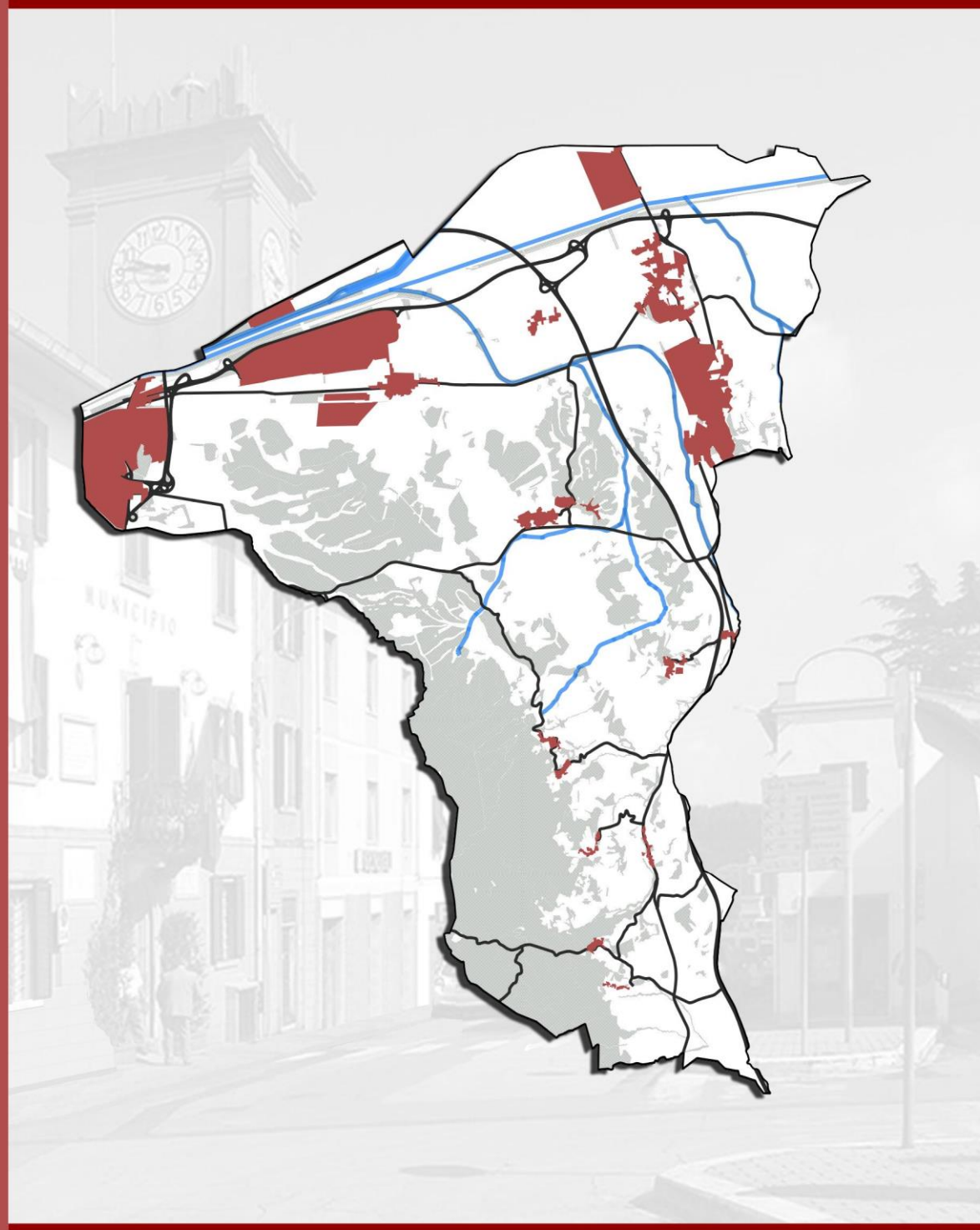




# PIANO STRUTTURALE

ai sensi dell'art.92 della Legge Regionale Toscana n.65 del 10 Novembre 2014

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## A2.7 – STUDIO IDROLOGICO IDRAULICO

# RELAZIONE IDROLOGICA E IDRAULICA

ALL. 4  
DOC.1



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## 1. INTRODUZIONE

Il presente studio è realizzato per l'aggiornamento di quadro conoscitivo della pericolosità idraulica del territorio del Comune di Collesalveti per le aree indicate di interesse da parte della Amministrazione Comunale.

Lo studio è realizzato ai sensi del DPGR N.5/R DEL 30 Gennaio 2020 "Regolamento di attuazione dell'articolo 104 della Legge Regionale 10 novembre 2014, n. 65 (Norme per il governo del territorio) contenente disposizioni in materia di indagini geologiche, idrauliche e sismiche" e della L.R. 41/2018 del 24 luglio 2018 "Disposizioni in materia di rischi alluvioni e di tutela dei corsi d'acqua in attuazione del decreto legislativo 23 febbraio 2010 n 49 (Attuazione della direttiva 2007/60/CE relativa alla valutazione e alla gestione dei rischi di alluvioni)".

Lo studio è stato sviluppato, sostanzialmente, secondo la presente procedura:

- acquisizione di studi e rilievi esistenti;
- analisi dei dati topografici ed integrazione dei rilievi esistenti;
- analisi idrologica ed idraulica;
- confronto con gli studi esistenti per la taratura dei modelli;
- analisi delle aree inondabili, della magnitudo, delle classi di pericolosità e individuazione delle aree protette dagli argini e delle aree di fondovalle
- individuazione degli interventi per l'attenuazione del rischio idraulico

Come meglio specificato nel seguito, lo studio ripercorre le procedure e le modalità di analisi idrologica e idraulica già utilizzate nel precedente "Studio idrologico idraulico a supporto del Regolamento Urbanistico del Comune di Collesalveti" del Luglio 2015 andandole ad aggiornare, principalmente, con i nuovi valori del CN, le geometrie del territorio e degli alvei modificati e inserendo, come nuovi elementi, la magnitudo e le aree protette dagli argini e le aree di fondovalle.

### 1.1 DOCUMENTAZIONE DI SUPPORTO

Ai fini della predisposizione dello studio, i seguenti elaborati hanno costituito documentazione di supporto:

- Consorzio di Bonifica, Ufficio dei Fiumi e Fossi, "Sistemazione idraulica della piana di Guasticce nel comune di Collesalveti (LI) - Completamento Fosso delle Chiaviche" - 2009;
- Provincia di PISA, "Adeguamento idraulico del Canale Scolmatore d'Arno"- Progetto definitivo - 2013;
- Ing. Pietro Chiavaccini, "Studio Idrologico idraulico a supporto del Regolamento Urbanistico del Comune di Collesalveti" - 2008;
- Prof. Geol. Giovanni Pranzini, "Studio Idrogeologico per il progetto di autoparco in località Faldo" Relazione, Comune di Collesalveti - Luglio 2000;

- Dott. Ing. Mario Lodà, Dott. Ing. Antonio Sacconi, “Studio Idraulico di supporto alla variante dello strumento urbanistico in località “Il Faldo” per la previsione di un autoparco”, “ Verifica disposti D.C.R.T. N°230 del 21/06/1994” Comune di Collesalveti - Luglio 2000;
- Dott. Ing. Francesco Uzzani, “Studio di rischio idraulico finalizzato alla realizzazione di un Parco Commerciale per medie strutture di vendita in località Stagno” Comune di Collesalveti - Novembre 2007;
- Prof. Ing. Stefano Pagliara, “Studio idrologico idraulico finalizzato al piano convenzionato di lottizzazione in loc. Guasticce” Comune di Collesalveti - Agosto 2008;
- Prof. Ing. Stefano Pagliara, “Studio idraulico del tratto terminale del T. Ugione” Comune di Livorno;
- Consorzio di Bonifica, Ufficio dei Fiumi e Fossi, “Studio sul rischio idraulico relativo al bacino del Fosso Cateratto” - Giugno 2008;
- Provincia di Pisa, Dipartimento del Territorio Servizio Difesa del Suolo e Protezione Civile U.O. Opere Idrauliche e Marittime, “Progetto Preliminare – Adeguamento Idraulico e Navigabilità del Canale Scolmatore d’Arno” - Settembre 2008;
- Valentina Altieri, Tesi di Laurea, “Sistemazione del Fosso Fologno” - A.A. 2003 - 2004;
- Dati Topografici Lidar - Volo 2009 - Fonte Ministero Ambiente;
- Consorzio di Bonifica, “Adeguamento delle sezioni idrauliche del F. Cateratto nel Comune di Collesalveti” - Novembre 2017;
- Dott. Ing. Silvia Lucia, “Studio idrologico-idraulico del territorio comunale di Crespina (PI)”;
- Studio PR.I.MA Ingegneria, “Valutazione di natura idraulica per lo spostamento delle vasche di laminazione del Colatore Est e determinazione dei profili liquidi del Colatore” - Dicembre 2019;
- Studio PR.I.MA Ingegneria, “Studio idrologico idraulico a supporto del Regolamento Urbanistico del Comune di Collesalveti” - Luglio 2015;
- Comune di Bientina, “Studio idrologico-idraulico finalizzato al riesame delle mappe di pericolosità da alluvione del comune di Bientina” – Settembre 2020;
- H.S. Ingegneria, “Studio Idrologico – Idraulico a sostegno dell’Adeguamento del Piano Strutturale e Regolamento Urbanistico del Comune di Crespina Lorenzana” – Dicembre 2016.
- Consorzio 4 Basso Valdarno “Adeguamento delle sezioni idrauliche del F. Cateratto nel Comune di Collesalveti (LI)” – Novembre 2017;
- “Adeguamento delle sezioni idrauliche del F, Cateratto nel Comune di Collesalveti (LI) – stralcio N.2” – Maggio 2018.

## 2. INQUADRAMENTO TERRITORIALE

Lo studio copre un'estensione di circa 260 km<sup>2</sup> ed interessa in parte i Comuni di Livorno e Pisa e per intero il Comune di Collesalvetti.

Il deflusso delle acque è assicurato da un complesso sistema di aste fluviali che è possibile schematizzare in diversi bacini e sottobacini. In particolare, a nord del canale Scolmatore dell'Arno, si trovano il bacino del Biscottino e quello del Fossa Nuova, mentre a sud sono localizzabili il sottobacino del Torretta, del Tora, dell'Isola ed i restanti sottobacini dell'Interporto, dell'Acqua Salsa e dell'Ugione. Più precisamente:

- Il bacino del Biscottino, a nord-ovest del canale scolmatore dell'Arno, si estende nel Comune di Collesalvetti ed è stato suddiviso in due sottobacini (Biscottino 1 e del Biscottino 2) ubicati rispettivamente ad est e a ovest dell'idrovora Acque Industriali. La superficie totale del primo risulta pari a 0.18 km<sup>2</sup> con quote che per gran parte della superficie sono posizionate al di sotto del l.m.m. La pendenza del collettore principale che corre lungo la SS Arnaccio presenta una media pari circa allo 0,04%. Il Biscottino 2 ricopre, invece, una superficie complessiva di 0.64 km<sup>2</sup> con quote che, anche in questo caso, oscillano attorno al l.m.m. ed una pendenza media sull'intero percorso pari a circa lo 0,0250%;
- il bacino del Fossa Nuova, situato a nord-est del canale scolmatore dell'Arno, ricade in parte nel comune di Collesalvetti ed in parte nella Provincia di Pisa. È stato suddiviso all'altezza della Località "Il Faldo" in due sottobacini (Fossa Nuova 1 e del Fossa Nuova2), a cui aggiungere il contributo del Fosso degli Alessandrini e del Fosso Solaiola. La superficie drenata complessiva è di circa 34 km<sup>2</sup> e presenta pendenze dell'ordine dello 0,07% nella parte terminale e minori (0,05% circa) in quella iniziale. La sommità del bacino è a circa 8.8 m sul l.m.m.;
- il bacino del Torretta comprende i sottobacini dell'Antifossetto e del Fattoria. Il primo ricopre una superficie complessiva di 22 km<sup>2</sup> e presenta pendenze dell'ordine dello 0,7% nei tratti a monte, che diminuiscono a circa lo 0,025% nei tratti terminali (zona Interporto e Stagno). Il secondo, invece, si estende per 9,5 km<sup>2</sup> e presenta pendenze maggiori (dell'ordine dello 0,2%) nel sottobacino del Fosso Fologno. La sommità del sottobacino dell'Antifossetto è a 42.6 m sul l.m.m., quella del sottobacino del Fattoria è, invece, a 11.5 m sul l.m.m.;
- il bacino del Fiume Isola, così come quello del Torretta, ricade in parte nella Provincia di Pisa e in parte nel Comune di Collesalvetti. La rete idrografica è costituita dal Fiume Isola, corso d'acqua principale, e dai corsi d'acqua secondari Borra, Ecina, Tremoscio e Tavola. La superficie drenata complessiva è pari a 31 km<sup>2</sup> e presenta pendenze maggiori (dell'ordine del 3,5%) nel sottobacino del Borra e minori (0,4% circa) nel sottobacino del Fiume Isola. L'altezza massima del bacino raggiunge i 387 m sul l.m.m.;

- il bacino del Torrente Tora ricade in parte nella Provincia di Pisa e in parte nel Comune di Collesalveti. La rete idrografica è costituita dal Tora, corso d'acqua principale, e dai suoi cinque affluenti: Cunella, Loti, Morra, Nugola e Tanna. La superficie drenata complessiva è di circa 93 km<sup>2</sup> e presenta pendenze elevate (dell'ordine del 8,5%) nella parte collinare del territorio (Botro di Loti, Cunella) per scendere a valori di circa lo 0,1% circa subito a valle dell'abitato di Collesalveti nel suo tratto terminale. L' altezza massima del Bacino raggiunge i 430 m sul l.m.m.;
- il bacino connesso all'Interporto ricade interamente nel comune di Collesalveti. La rete idrografica è costituita da una serie di collettori (interni al lotto) ed alcuni fossi tra cui il Colmata Orti e il Chiaviche Est che convogliano le acque ad una batteria di idrovore (con capacità totale di smaltimento di circa 15 m<sup>3</sup>/s) che scaricano direttamente nello Scolmatore. La superficie drenata complessiva è di circa 6 km<sup>2</sup> e presenta pendenze maggiori (dell'ordine del 1,0%) nel sottobacino del Chiaviche Est e minori (0,07% circa) lungo i collettori. L' altezza massima del Bacino è di 5,5 m sul l.m.m.;
- il bacino dell'Acquasalsa ricade interamente nel comune di Collesalveti. La rete idrografica è costituita dall'Acqua Salsa (che nel tratto terminale subito a valle dell'abitato di Stagno viene a chiamarsi fosso delle Acque Chiare), dal Fosso del Cateratto e nella parte iniziale del bacino dal Fosso di Stigliano. Nel complesso la superficie drenata è di circa 18 km<sup>2</sup> e presenta pendenze maggiori (dell'ordine del 1,75%) nel sottobacino dello Stigliano e minori (0,025% circa) in quello del Fosso Acque Chiare. L' altezza massima del Bacino è di 50 m sul l.m.m.;
- il bacino dell'Ugione ricade in parte nel comune di Collesalveti ed in parte in quello di Livorno. La rete idrografica è costituita dall' Ugione, corso d'acqua principale, e dai suoi due affluenti: il Rio Vallelunga ed il Rio dell'Acqua Puzzolente. La superficie drenata complessiva al Ponte sull'Aurelia (abitato di Stagno) è di circa 24 km<sup>2</sup> e presenta pendenze dell'ordine del 4,7% nella parte a monte (indicato con Ugione 1) che si riducono allo 0,3% subito a valle della Via Aiaccia. L' altezza massima del Bacino è di circa 400 m sul l.m.m.

In *Tabella 1* si riportano le principali caratteristiche dei bacini precedentemente introdotti.

Tabella 1: Caratteristiche dei bacini.

ID	S (km <sup>2</sup> )	ID	S (km <sup>2</sup> )
B-ACQUASALSA1A	1.88	B-FOLOGNO 4	0.77
B-ACQUASALSA1B	1.63	B-FOLOGNO 5	0.82
B-ACQUASALSA1C	2.80	B-FONTINO	5.84
B-ACQUASALSA2	1.20	B-FOSSA_NUOVA2	4.16
B-ACQUASALSA3	3.60	B-FOSSANUOVA1	10.43
B-ACQUASALSA4	0.80	B-FOSSO_VALLELUNGA	4.26
B-ACQUASALSA 5	0.33	B-ISOLA1	13.16
B-ACQUECHIARE	1.78	B-LENZEA	0.57
B-ALESSANDRINI	1.79	B-LENZEB	0.54
B-ANTIFOSSETTO1	10.46	B-LOTI	3.66
B-ANTIFOSSETTO2	1.01	B-MARIGNANO	3.55
B-ANTIFOSSETTO3	0.86	B-MORRA1	8.09
B-ANTIFOSSETTO4	0.32	B-MORRA2	5.14
B-BISCOTTINO EST	0.56	B-NUGOLA	5.5
B-BISCOTTINO OVEST	0.21	B-PUZZOLENTE	6.53
B-BORRA	11.83	B-RIOVALLELUNGA	2.43
B-CATERATTO	1.84	B-SOLAIOLA	17.19
B-CHIAVICHE_EST	1.00	B-STIGLIANO	2.07
B-CIGNA1	0.45	B-TANNA_2_4	0.56
B-CIGNA2	1.80	B-TANNA_2_6	0.28
B-CIGNA3	1.29	B-TANNA1	9.39
B-CIGNOLO	3.86	B-TANNA2_1	0.57
B-COLLETORE_EST	0.58	B-TANNA2_2	0.65
B-COLLETORE_NORD2	1.37	B-TANNA2_3.1	0.93
B-COLLETORE_OVEST	0.43	B-TANNA 2_3.2	0.33
B-COLLETORE_SUD2	0.88	B-TANNA 2_5	0.38
B-COLLETORE NORD1	0.68	B-TANNA 2_7	0.08
B-COLLETORE SUD1	0.18	B-TAVOLA	8.29
B-COLLETORE SUD3	0.32	B-TORA1	32.44
B-COLMATA_ORTI_STAGNO	0.15	B-TORA2	6.33
B-COLMATA ORTI GUASTICCE	1.00	B-TORA3	6.47
B-CUNELLA	11.52	B-TORA4	0.22
B-ECINA	6.19	B-TORAVECCHIA1	1.8
B-FATTORIA1	1.99	B-TORRETTA1	0.46
B-FATTORIA2	1.92	B-TORRETTA2	0.58
B-FOLOGNO_1	0.91	B-TREMOSCIO	4.25
B-FOLOGNO 2	0.24	B-UGIONE1	8.89
B-FOLOGNO 3	0.28	B-UGIONE2	1.43

## 2.1 INTERVENTI IDRAULICI PREGRESSI

Il territorio è stato oggetto di diverse attività di manutenzione e di miglioramento ai fini della riduzione del rischio idraulico. Di seguito si illustrano le principali caratteristiche degli interventi che si sono susseguiti sui vari corsi d'acqua. Si trascurano gli interventi di manutenzione che non hanno modificato le capacità idrauliche della rete e si riportano gli interventi già citati anche nello studio idraulico del 2015.

### 2.1.1 ACQUASALSA

Il fosso dell'Acquasalsa è stato soggetto a due principali interventi:

- risagomatura ed innalzamento degli argini nel tratto a valle dell'abitato di Guasticce per circa 2400 m (progetto Provincia di Livorno-2000);
- realizzazione di un sistema di casse di laminazione (nominate Cassa 2 e Cassa 3) nel tratto a monte dell'abitato di Guasticce finalizzate a ridurre la portata di transito sotto il ponte della Ferrovia.



Figura 1 - Intervento di risagomatura del Fosso dell'Acqua Salsa

La Cassa 2 è ubicata a monte dell'abitato di Guasticce, in corrispondenza dell'immissione con il Botro Stigliano, ed ha una superficie complessiva di 85000 m<sup>2</sup> con una capacità di circa 90000 m<sup>3</sup>. Nelle condizioni attuali, la cassa consente di laminare portate trentennali garantendo valori che, in uscita, raggiungono al massimo i 13 m<sup>3</sup>/sec (per una pioggia di durata pari a 5h); al contrario, la laminazione della portata duecentennale per la stessa durata di pioggia, non garantisce la messa in sicurezza dell'area poiché fornisce, in uscita, valori di portata di 30 m<sup>3</sup>/sec circa.



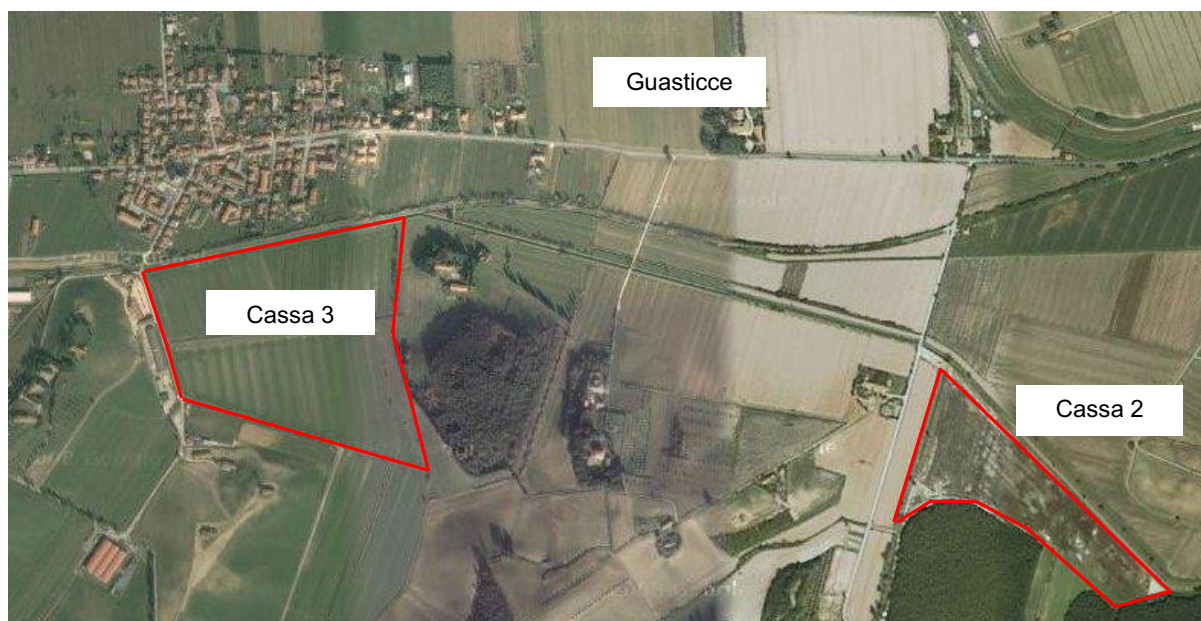


Figura 2 - casse in derivazione lungo il Fosso Acquasalsa



Figura 3 - cassa di espansione 2 lungo il Fosso Acqua Salsa

La Cassa 3 (Figura 4) è ubicata a sud dell'abitato di Guasticce ed è costituita da due casse in serie aventi una superficie complessiva di 175000 m<sup>2</sup> con una capacità di circa 150000 m<sup>3</sup>. Allo stato attuale, la cassa consente di laminare portate trentennali assicurando in uscita valori che al massimo raggiungono i 12 m<sup>3</sup>/sec, mentre la laminazione della portata duecentennale non garantisce la messa in sicurezza dell'area poiché fornisce, in uscita, valori di portata di 41 m<sup>3</sup>/sec circa.



Figura 4 - cassa di espansione 3 lungo il Fosso Acqua Salsa

### 2.1.2 FOSSO DELLE CHIAVICHE EST

Il tratto immediatamente a valle di Guasticce è stato oggetto di intervento da parte del Consorzio di Bonifica, Ufficio Fiumi e Fossi. In particolare, per un km a monte della rotatoria della S.P. 555 delle Colline (Figura 5). La nuova sezione tipo è caratterizzata da una larghezza al fondo di 2 m, da una scarpa delle sponde pari a 3/2 nei tratti in cui è previsto semplice inerbimento e di 1/1 nei tratti in cui è prevista la realizzazione delle palificate (sponda sinistra del fosso lungo il rilevato ferroviario).

L'altezza del fosso rispetto al ciglio è compresa tra 2 e 3 m (andando da monte verso valle), mentre gli scatolari utilizzati per le coperture sono caratterizzati da una luce libera di 2,5 m x 2,0 m.



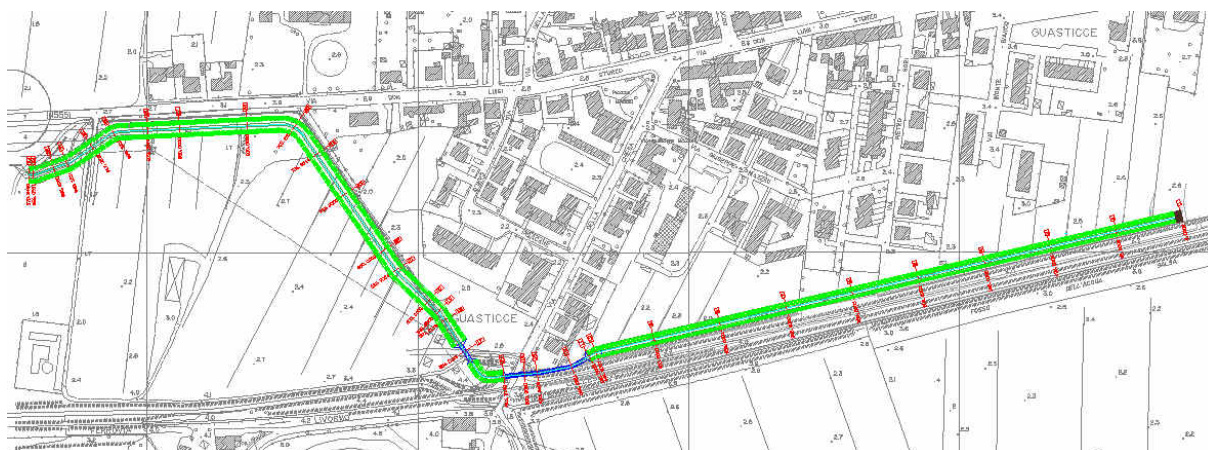


Figura 5 - risagomatura del Fosso delle Chiaviche Est

### 2.1.3 T. TORA

Nell'area di studio sono presenti due casse di laminazione in linea sul Fiume Tora, comprese all'interno del Comune di Crespina Lorenzana ed entrambe ubicate a monte dell'abitato di Acciaio.



Figura 6 - casse in linea lungo il Torrente Tora

Ai fini della modellazione sono state rappresentate su HMS come elementi reservoir e per la coppia di curve necessarie al calcolo si è fatto riferimento allo "Studio Idrologico – Idraulico a sostegno dell'Adeguamento Piano Strutturale e Regolamento Urbanistico del Comune di Crespina Lorenzana" – 2016, H.S. Ingegneria.



*Figura 7 – Cassa di espansione 1 sul Torrente Tora*



*Figura 8 – Cassa di espansione 2 sul Torrente Tora*



#### 2.1.4 FOSSO ACQUECHIARE

A seguito del franamento della SGG FI-PI-LI in prossimità della rampa di ingresso alla Darsena Toscana del Porto di Livorno, si è verificata una parziale ostruzione del tratto terminale del Fosso delle Acquechiare che ha richiesto la realizzazione di un bypass provvisorio che consentisse il deflusso delle acque. Il bypass è costituito da uno scatolare di circa 3.6x2m ed ha messo in comunicazione il Fosso delle Acquechiare con il fosso Torretta garantendo così continuità idraulica (Figura 9).

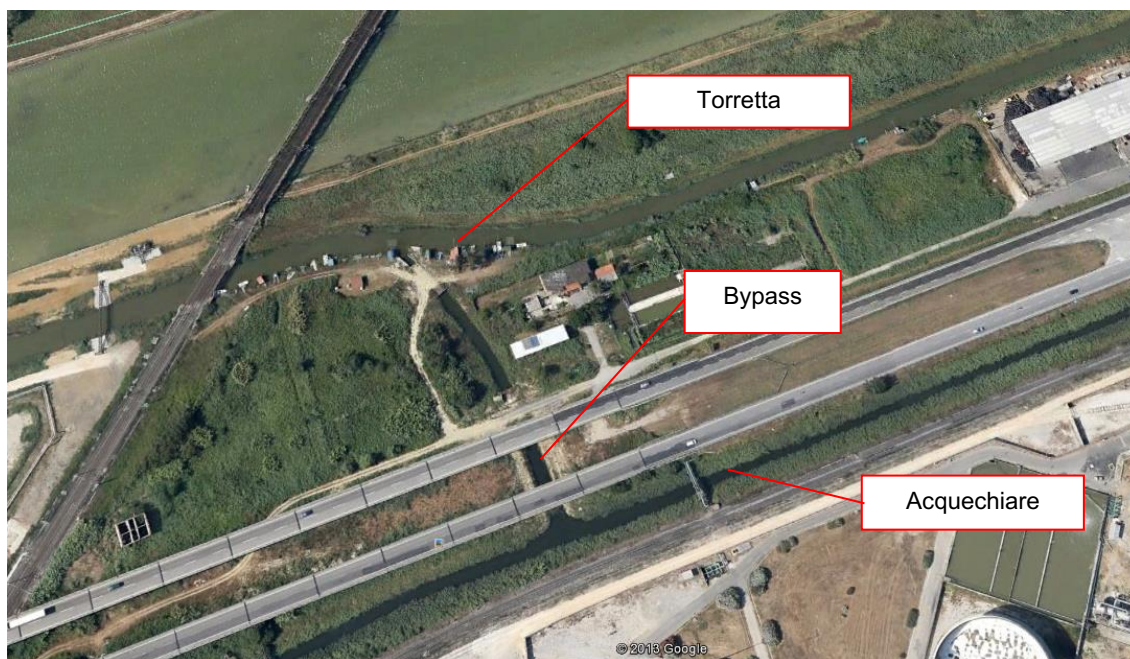


Figura 9 - bypass di collegamento tra il fosso Acquechiare ed il fosso Torretta

#### 2.1.5 COLATORE EST

È stato realizzato un nuovo fosso Colatore Est immediatamente ad ovest dell'abitato di Guasticce (Figura 10). Di tale fosso si è tenuto in considerazione nella modellazione bi-dimensionale in quanto dotato di argini che possono influire sui percorsi di esondazione (quote e tracciato ricavabili ad esempio dalla relazione di "Valutazioni di natura idraulica per lo spostamento delle vasche di laminazione del colatore est e determinazione dei profili liquidi del colatore", PR.I.MA. INGEGNERIA, 2019).



Figura 10 - Localizzazione del nuovo Colatore Est

### 3. IDROLOGIA

L'analisi idrologica è stata compiuta contestualmente per il reticolo di acque alte e di acque basse, adottando una metodologia omogenea per tutto il territorio. I risultati in termini di portate e di durata degli eventi sono stati confrontati con i risultati degli studi esistenti citati in precedenza.

La modellazione idrologica ai fini della determinazione degli idrogrammi di piena è stata eseguita con l'ausilio del software HEC-HMS v. 4.3 (Hydrologic Modeling System), sviluppato dal US Army Corps of Engineers, Hydrologic Engineering Center.

Ad ogni bacino è stato fornito in ingresso uno ietogramma di pioggia, per diversi tempi di ritorno.

La pioggia netta è stata calcolata utilizzando il metodo SCS Curve Number del Soil Conservation Service. La trasformazione afflussi-deflussi è stata effettuata con il modello di Clark, mentre i deflussi in uscita dai singoli sottobacini vengono propagati verso valle con il metodo di Muskingum-Cunge, fino ad ottenere gli idrogrammi di piena nelle sezioni di interesse.

Successivamente, gli idrogrammi di piena determinati sono stati utilizzati per implementare le simulazioni con il software HEC-RAS, dell'Hydrologic Engineering Center.

#### 3.1 CURVE DI POSSIBILITÀ CLIMATICA REGIONE TOSCANA 2014

Nel mese di aprile 2014 sono state definitivamente presentate le nuove curve di possibilità climatica regionale, derivate da un accordo di collaborazione tra la Regione Toscana e l'Università di Firenze di cui alla DGRT 1133/2012, al fine di procedere ad un'implementazione e un aggiornamento del quadro conoscitivo idrologico del territorio toscano. Le nuove curve fanno riferimento ad un aggiornamento dell'analisi di frequenza regionale delle precipitazioni estreme fino all'anno 2012 compreso. La metodologia prevede l'individuazione dei parametri di una legge di tipo monomia  $h = at^n$  su celle di 1x1 km sull'intero territorio regionale e per diversi tempi di ritorno.

Per la stima delle piogge intense, quindi, si è fatto riferimento ai valori dei parametri  $a$  e  $n$  (per vari tempi di ritorno) forniti dalla Regione Toscana nell'ambito della "Analisi di Frequenza Regionale delle Precipitazioni Estreme LSPP – Aggiornamento 2012"; come indicato nel "verbale di incontro di coordinamento per condivisione attività da svolgere per l'aggiornamento delle carte di pericolosità idraulica a supporto del redigendo Piano Strutturale del Comune di Collesalveti", 23 Novembre 2020, tra l'Autorità di Distretto, la Regione Toscana, il Comune di Collesalveti e lo Studio PR.I.MA Ingegneria.

Tra i risultati di tale analisi sono presenti le griglie di risoluzione 1 km su tutta la regione dei parametri  $a$  e  $n$ .

Si riportano, nelle Figura 11 e Figura 12, le griglie dei parametri indagati per il tempo di ritorno di 200 anni.

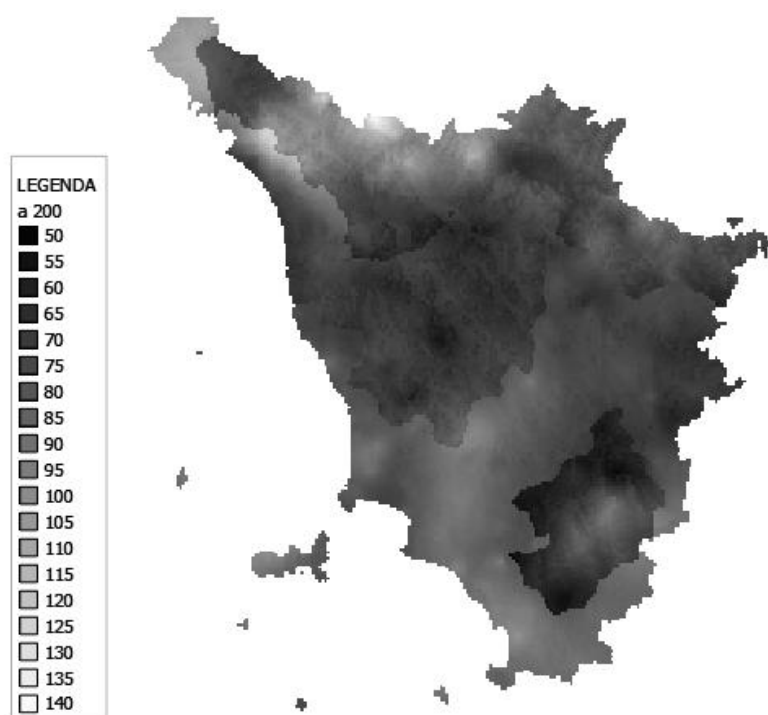


Figura 11 - spazializzazione del parametro a della Linea Segnalatrice di Possibilità Pluviometrica per Tempo di ritorno 200 anni

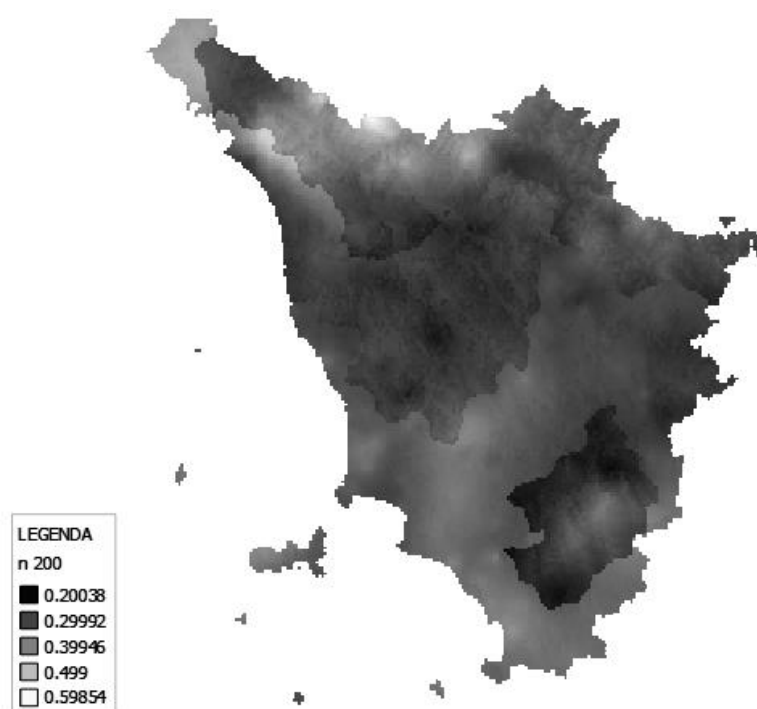


Figura 12 - spazializzazione del parametro n della Linea Segnalatrice di Possibilità Pluviometrica per Tempo di ritorno 200 anni



La media spaziale sui singoli bacini indagati (Figura 13) per i prefissati tempi di ritorno (30, 200 e 500 anni) ha condotto ai risultati illustrati in *Tabella 2*.

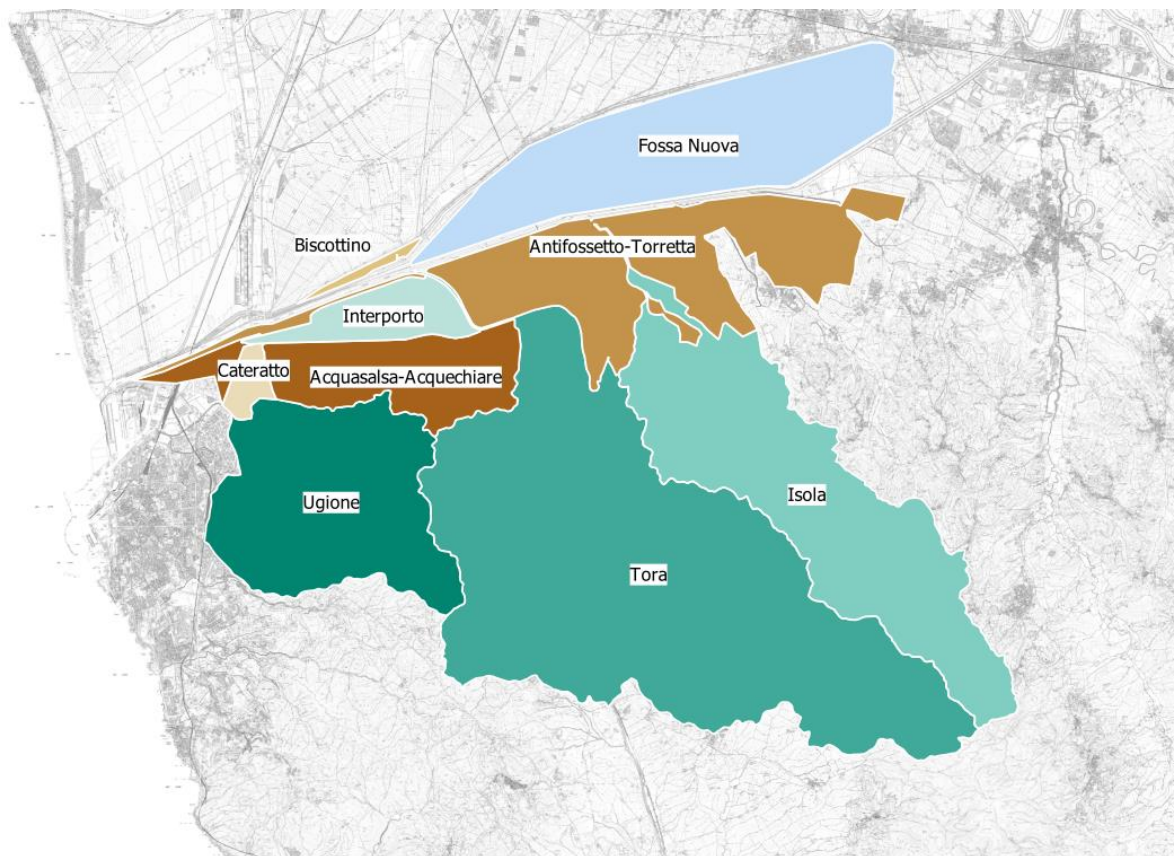


Figura 13 – Bacini per media spaziale a ed n

Tabella 2 - Parametri delle curve di possibilità climatica Regione Toscana 2014.

STAZIONE	Tr30		Tr200		Tr500	
	a	n	a	n	a	n
Acquasalsa-Acquechiare	64.703	0.265	90.041	0.29	102.699	0.297
Antifossetto-Torretta	62.131	0.266	86.461	0.291	98.616	0.298
Biscottino	65.782	0.268	91.543	0.293	104.408	0.3
Cateratto	67.966	0.255	94.583	0.28	107.88	0.287
Fossa Nuova	61.916	0.266	86.163	0.291	98.276	0.298
Interporto	65.659	0.261	91.371	0.287	104.216	0.293
Isola	60.485	0.256	84.172	0.282	96.004	0.288
Tora	61.623	0.258	85.752	0.285	97.840	0.292
Ugione	73.051	0.241	101.613	0.302	116.702	0.315

### 3.2 USO DELLE CURVE

L'adozione dei parametri  $a$  e  $n$  precedentemente introdotti verrà impiegata per definire le portate massime per il singolo corso d'acqua.

Relativamente alla riduzione areale delle precipitazioni, si è considerato per i corsi d'acqua afferenti a bacini di superficie complessiva superiore a 30 km<sup>2</sup>, cioè per i corsi d'acqua in *Tabella 3*. Il coefficiente di riduzione areale  $K$  è determinato con la formula USBW:

$$K = 1 - e^{(-\alpha \cdot d^\beta)} + e^{(-\alpha \cdot d^\beta - \gamma \cdot A)}$$

Dove:

- $A$  è la superficie in km<sup>2</sup>;
- $d$  è la durata in h.

*Tabella 3: Coefficienti di ragguglio.*

	Durata (h)	A (kmq)	$\alpha$	$\beta$	$\gamma$	Coefficiente di ragguglio K (USWB)
Tora	4	88.71	1.1	0.25	0.0386	0.80
J-Tora Morra2	4	67.18	1.1	0.25	0.0386	0.80
Tanna	4	3.83	1.1	0.25	0.0386	0.97
B-Tanna1	4	9.34	1.1	0.25	0.0386	0.94
B-Nugola	4	5.5	1.1	0.25	0.0386	0.96
B-Tora3	4	6.47	1.1	0.25	0.0386	0.95
Isola Tremoscio	4	88.71	1.1	0.25	0.0386	0.84
Tavola	4	67.18	1.1	0.25	0.0386	0.94
J-Isola Fine	4	3.83	1.1	0.25	0.0386	0.83

### 3.3 IETOGRAMMI

L'andamento temporale dell'evento pluviometrico è stato schematizzato ricorrendo ad uno ietogramma sintetico, che pur non rappresentando il reale andamento dell'evento di pioggia, introduce nelle procedure di trasformazione afflussi-deflussi una variabilità temporale dell'evento pluviometrico in grado di produrre risultati tali da ritenersi cautelativi. La legge di distribuzione che si introduce rappresenta, in tal modo, lo ietogramma di "progetto" o ietogramma "sintetico". Per lo studio in questione, tra gli ietogrammi noti in letteratura, si è deciso di utilizzare due tipologie di ietogramma sintetico:

- Ad intensità costante (IDF), applicato a eventi pluviometrici di durata  $t$  variabile dalle 2 alle 24 h ed aventi tempi di ritorno pari a 30, 200 e 500 anni. La valutazione per eventi di diverse durate ha consentito di definire la durata critica dell'evento che massimizza il deflusso per i diversi bacini esaminati;



- di tipo "Chicago", con intensità di picco posizionata a  $0.4t_p$  della durata di pioggia. Tale ietogramma è stato applicato, coerentemente con le indicazioni degli autori che ne hanno definito le caratteristiche (Keifer e Chu, 1957 Synthetic storm pattern for drainage design. ASCE Journal of the Hydraulics Division 83 (HY4): 1-25), per la sola durata critica riferita al singolo bacino.

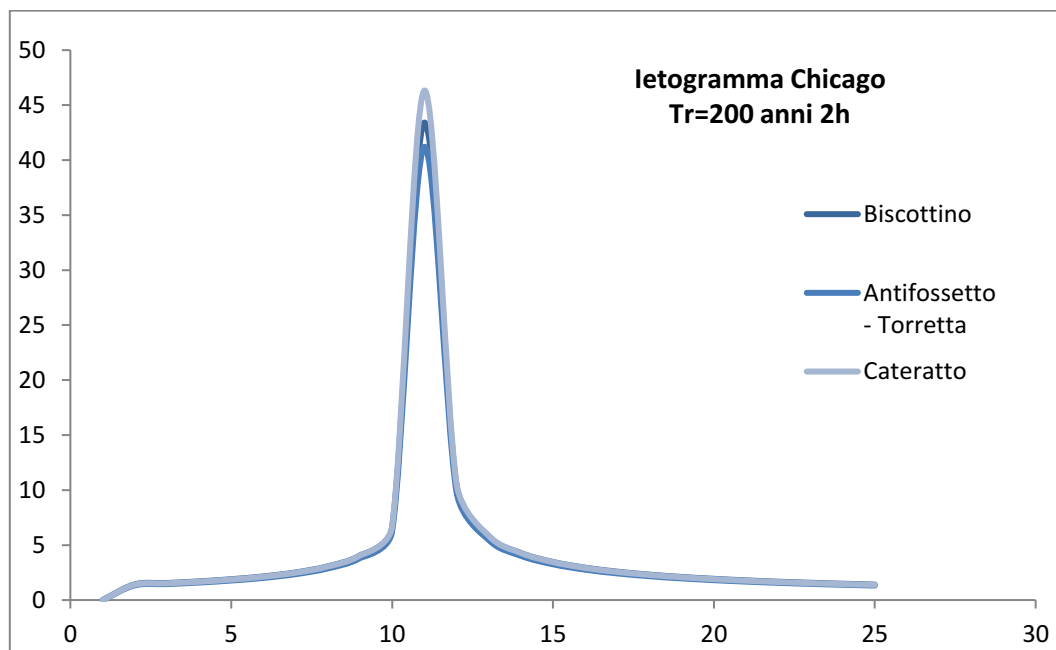


Figura 14 - esempio di ietogramma di tipo Chicago per  $Tr=200$  anni, durata  $t_p=2h$  e picco a  $0.4t_p$

### 3.4 PERDITE IDROLOGICHE

Per la determinazione delle perdite di bacino è stato utilizzato il metodo del CN del Soil Conservation Service, che consente di determinare il deflusso corrispondente allo scorrimento superficiale di bacini per i quali non esistano osservazioni di deflusso.

Il metodo si basa sul concetto che il deflusso superficiale è nullo fino a che non è raggiunto un valore minimo pari alle perdite iniziali  $I_a$ . In letteratura tecnica è riconosciuta l'esistenza di una correlazione positiva fra la perdita iniziale  $I_a$  e la capacità di ritenzione potenziale  $S$  espressa dalla seguente espressione:

$$I_a = 0.2 S$$

Dove  $S$  è la capacità di ritenzione potenziale, cioè la quantità di acqua immagazzinabile nel bacino, definita come:  $S = 25.4 \cdot \left( \frac{1000}{CN} - 10 \right)$ .

*S* dipende da CN (Runoff Curve Number), parametro determinato mediante apposite tabelle in funzione della natura del terreno, del tipo di copertura vegetale e del corrispondente grado di imbibizione.

Nel caso in esame si è considerata la Tabella 5, che fornisce i parametri CN in funzione del codice LAND CORINE dell'uso del suolo, definita a partire dai dati presenti in "Modellazione idrologica caso pilota" di Fabio Castelli, novembre 2014, opportunamente integrata e contenente il catalogo di classi presenti in "Specifiche tecniche per l'acquisizione in formato digitale di dati geografici telematici" della Regione Toscana – Consorzio LaMMA, dicembre 2012.

Al fine della definizione del parametro CN si è fatto riferimento al "DB Uso e Copertura del Suolo della Regione Toscana", aggiornato nel 2016 e al "DB Pedologico della Regione Toscana", aggiornato nel 2017 per quanto riguarda la classificazione del suolo in funzione della capacità di deflusso (categorizzazione A, B, C e D).

In caso di mancata disponibilità di dati relativi alla natura del suolo si è fatto riferimento ai valori del CN definiti dalla Regione Toscana nel 2014.

I valori di CN indicati nelle tabelle fanno riferimento ad una condizione media di umidità del terreno antecedente l'evento di pioggia considerato (AMC II: Antecedent Moisture Condition classe II).

Contestualmente si è effettuata una modifica ai valori assegnati alle aree boscate (codici CORINE 311, 312 e 313) evidenziata nella Tabella 4.

Tabella 4: Parametro CN per le aree boscate.

Aree boscate	Valori Regione Toscana				Valori USDA			
	A	B	C	D	A	B	C	D
Boschi di latifoglie (311)	36	60	73	79	36	48	57	63
Boschi di conifere (312)	36	60	73	79	36	48	57	63
Boschi misti di latifoglie e conifere (313)	36	60	73	79	36	48	57	63

Tabella 5: Parametri CN relativi alla classe II di umidità (AMC) per le quattro classi litologiche e per i vari tipi di uso del suolo.

Cod.	Nomi categorie CORINE Toscana 2012	A	B	C	D
111	Zone residenziali a tessuto continuo	89	92	94	95
112	Zone residenziali a tessuto discontinuo	77	85	90	92
1121	Pertinenza abitativa, edificato sparso	77	85	90	92
121	Aree industriali, commerciali e servizi pubblici e privati	98	98	98	98
1211	Depuratori	98	98	98	98
1212	Impianto fotovoltaico	98	98	98	98
122	Reti stradali, ferroviarie ed infrastrutture tecniche	98	98	98	98
1221	Strade in aree boscate	98	98	98	98

123	Aree portuali	98	98	98	98
124	Aeroporti	98	98	98	98
131	Aree estrattive	76	85	89	91
132	Discariche, depositi di rottami	81	88	91	93
133	Cantieri, edifici in costruzione	77	86	91	94
141	Aree verdi urbane	49	69	79	84
1411	Cimitero	49	69	79	84
142	Aree ricreative e sportive	68	79	86	89
210	Seminativi irrigui e non irrigui	64	75.5	83	86.5
2101	Serre	68	79	86	89
2102	Vivai	68	79	86	89
213	Risaie	62	71	78	81
221	Vigneti	76	85	90	93
222	Frutteti	43	65	76	82
2221	Arbicoltura	43	65	76	82
223	Oliveti	43	65	76	82
231	Prati stabili	49	69	79	84
241	Colture temporanee associate a colture permanenti	61	73	81	84
242	Sistemi colturali e particellari complessi	61	73	81	84
243	Colture agrarie con presenza di spazi naturali importanti	61	73	81	84
244	Aree agroforestali	43	65	76	82
311	Boschi di latifoglie	36	48	57	63
312	Boschi di conifere	36	48	57	63
313	Boschi misti di conifere e latifoglie	36	48	57	63
321	Pascoli naturali e praterie	49	69	79	84
322	Brughiere e cespuglieti	49	69	79	84
323	Vegetazione sclerofilla	35	56	70	77
324	Vegetazione boschiva ed arbustiva in evoluzione	35	56	70	77
331	Spiagge, dune e sabbie	46	65	77	82
332	Rocce nude, falesie, rupi, affioramenti	96	96	96	96
333	Vegetazione rada	63	77	85	88
3331	Casse parafuoco	63	77	85	88
334	Aree percorse da incendi	63	77	85	88
411	Paludi interne	98	98	98	98
421	Paludi salmastre	98	98	98	98
423	Zone intertidali	98	98	98	98
511	Corsi d'acqua, canali ed idrovie	98	98	98	98
512	Specchi d'acqua	98	98	98	98
521	Lagune	98	98	98	98
523	Mare	98	98	98	98

Successivamente, la media pesata dei valori del CN II ottenuti sulla superficie complessiva di ogni sottobacino ha consentito di ottenere i risultati riportati in Tabella 6.

Nel caso in esame, procedendo in maniera cautelativa, si è considerato una condizione di umidità AMCIII e pertanto i valori di CN sono stati modificati con la seguente formula:

$$CN_{III} = \frac{CN_{II}}{0.43 + 0.0057 \cdot CN_{II}}$$

Tabella 6: Parametri CN relativi alla classe II e III di umidità per i sottobacini analizzati.

Sottobacino	CN II	CN III	Sottobacino	CN II	CN III	Sottobacino	CN II	CN III
Acquasalsa 1A	74	87	Collettore Ovest	86	93	Nugola	75	87
Acquasalsa 1B	78	89	Collettore Sud 1	87	94	Puzzolente	67	82
Acquasalsa 1C	79	90	Collettore Sud 2	89	95	Rio Vallelunga	66	82
Acquasalsa 2	87	94	Collettore Sud 3	86	93	Solaiola	85	93
Acquasalsa 3	69	84	Colmata Orti Stagno	84	92	Stigliano	76	88
Acquasalsa 4	86	93	Comata Orti Guasticce	86	93	Tanna 1	74	87
Acquasalsa 5	80	90	Cunella	79	90	Tanna 2_1	68	83
Acquechiare	89	95	Ecina	74	87	Tanna 2_3.1	64	80
Alessandrini	86	93	Fattoria 1	84	92	Tanna 2_3.2	81	91
Antifossetto 2	86	93	Fattoria 2	86	93	Tanna 2_5	86	93
Antifossetto 3	84	93	Fologno 3	88	94	Tanna 2_6	83	92
Antifossetto 4	82	92	Fologno 4	86	93	Tanna 2_7	85	93
Antifossetto1	85	93	Fologno 5	88	95	Tanna_2_4	78	89
Biscottino Est	87	94	Fologno_1	86	94	Tavola	68	83
Biscottino Ovest	85	93	Fontino	86	94	Tora 2	82	91
Borra	69	84	Fossa Nuova 1	86	93	Tora 1	77	88
Cateratto	86	94	Fossa Nuova 2	87	94	Tora 3	78	89
Chiaviche	87	94	Fosso Vallelunga	68	83	Tora 4	75	87
Cigna1	68	83	Isola 1	75	88	Tora Vecchio 1	87	94
Cigna2	84	92	Lenze A	84	92	Torretta 1	82	91
Cigna3	70	85	Lenze B	86	93	Torretta 2	83	92
Cignolo	77	89	Loti-Pietreto	69	84	Tremoscio	77	88
Collettore est	89	95	Marignano	85	93	Ugione 1	63	79
Collettore nord 1	85	93	Morra 2	84	93	Ugione 2	86	94
Collettore nord 2	90	95	Morra1	69	84	Fologno 2	87	94
						Tanna 2_2	71	85

### 3.5 TRASFORMAZIONE AFFLUSSI-DEFLUSSI

L'estensione dello studio ed il grado di dettaglio nella suddivisione dei bacini, nonché la diversità delle caratteristiche dei bacini esaminati (di acque alte e basse) ha suggerito l'applicazione di una metodologia che tenesse conto sia dei processi di scorrimento superficiale che del contributo degli invasi e degli immagazzinamenti. Per tale motivo si è scelto il metodo di Clark che esprime l'idrogramma di piena attraverso due parametri: il tempo di corrivazione  $T_c$  e la costante di ritardo  $R$ .

I risultati saranno confrontati con quelli ottenuti dagli studi esistenti.

La valutazione del tempo di corrivazione è stata effettuata mediando i valori che si ottengono da molteplici formulazioni impiegate in letteratura:

- Formula di Kerby - Hathaway:  $T_c = 1/60 \left( \frac{0.67 \cdot (1000 \cdot L / 0.3048 \cdot N)}{i^{0.5}} \right)^{0.467}$
- formula di Giandotti:  $T_c = \frac{(4 \cdot \sqrt{A} + 1.5 \cdot L)}{0.8 \cdot H_m}$
- formula di Ventura:  $T_c = 0.127 \left( \frac{A}{i_B} \right)^{0.5}$
- formula di Kirpich:  $T_c = 0.0003257 \left( \frac{L^{0.77}}{i_B^{0.385}} \right)$
- formula di Pasini:  $T_c = 0.108 \left( \frac{(AL)^{0.33}}{i^{0.5}} \right)$
- formula di Pezzoli:  $T_c = 0.055 \left( \frac{L}{i^{0.5}} \right)$
- formula di Rosso et al:  $T_c = 0.26 \left( \frac{L^{0.82}}{i_B^{0.2}} \right) \cdot (1 + S)^{0.13}$
- formula di Ferro:  $T_c = 0.675 \cdot A^{0.5}$
- formula PIN Regione Toscana:  $T_c = (0.17 \cdot L / 0.6)$ ;  $T_c = (0.32 \cdot A^{0.5} / 0.6)$

Dove:

- A è la superficie del Bacino in km<sup>2</sup>;
- L è la lunghezza dell'asta in km;
- i è la pendenza media del corso d'acqua;
- $i_B$  è la pendenza media del bacino;
- N è il coefficiente di copertura del suolo (pari a 0.2 per suoli privi di significativa copertura vegetale come nel caso della condizione invernale);
- S è la capacità di ritenzione potenziale (definita attraverso il Curve Number) sopra determinato.

Per il bacino del T. Ugione, il parametro  $T_c$  di riferimento è stato determinato con la formula di Kerby (anziché con la media delle varie formulazioni) in quanto i risultati ottenuti risultano maggiormente coerenti con quanto desumibili da altri studi.

Per quanto riguarda il coefficiente di immagazzinamento R si è fatto riferimento alla formula originale di Clark:

$$R = 0.8 \cdot (L/1.60934) / (i_B \cdot 100)^{0.5}$$

I valori riassuntivi dei parametri idrologici per i vari sottobacini analizzati sono riassunti in Tabella 7.

Tabella 7: parametri riassuntivi del modello Idrologico.

SOTTOBACINO	S(km <sup>2</sup> )	Tc medio	R Clark	SOTTOBACINO	S(km <sup>2</sup> )	Tc medio	R Clark
Acquasalsa 1A	1.88	1.25	0.97	Fologno 5	0.82	1.66	2.00
Acquasalsa 1B	1.63	0.83	0.44	Fologno_1	0.91	1.19	0.53
Acquasalsa 1C	2.80	1.23	0.55	Fontino	5.84	3.67	4.72
Acquasalsa 2	1.20	2.17	1.20	Fossa Nuova 1	10.43	9.51	17.97
Acquasalsa 3	3.60	1.54	1.42	Fossa Nuova 2	4.16	2.60	1.54
Acquasalsa 4	0.80	1.17	0.40	Fosso Vallelunga	4.26	1.858	1.68
Acquasalsa 5	0.33	0.94	0.85	Isola 1	13.16	4.65	4.18
Acquechiare	1.78	2.85	3.40	Lenze A	0.57	1.21	1.05
Alessandrini	1.79	3.77	5.22	Lenze B	0.54	1.56	1.90
Antifossetto 2	1.01	1.67	2.00	Loti-Pietreto	3.66	1.12	0.63
Antifossetto 3	0.86	3.11	5.42	Marignano	3.55	2.42	2.90
Antifossetto 4	0.32	2.92	8.16	Morra 2	5.14	1.98	0.83
Antifossetto1	10.46	5.71	5.10	Morra1	8.09	1.95	1.50
Biscottino Est	0.56	2.01	3.25	Nugola	5.50	1.76	1.38
Biscottino Ovest	0.21	1.14	1.48	Puzzolente	6.53	1.56	1.74
Borra	11.83	2.67	2.25	Rio Vallelunga	2.43	1.38	1.11
Cateratto	1.84	1.96	1.79	Solaiola	17.19	10.47	9.24
Chiaviche	1.00	2.46	2.87	Stigliano	2.07	1.12	0.65
Cigna1	0.45	0.69	0.31	Tanna 1	9.39	1.99	1.42
Cigna2	1.80	1.56	1.48	Tanna 2_1	0.57	0.77	0.27
Cigna3	1.29	0.87	0.36	Tanna 2_2	0.65	1.39	0.83
Cignolo	3.86	1.28	1.11	Tanna 2_3.1	0.93	0.64	0.26
Collettore est	0.58	1.09	0.80	Tanna 2_3.2	0.33	0.76	0.31
Collettore nord 1	0.68	0.71	0.42	Tanna 2_5	0.38	0.67	0.53
Collettore nord 2	1.37	2.98	4.80	Tanna 2_6	0.28	0.73	0.47
Collettore Ovest	0.43	1.54	2.07	Tanna 2_7	0.08	0.35	0.23
Collettore Sud 1	0.18	0.99	0.77	Tanna_2_4	0.56	1.21	0.77
Collettore Sud 2	0.88	1.50	1.16	Tavola	8.29	2.86	2.12
Collettore Sud 3	0.32	1.20	1.38	Tora 1	32.44	3.96	3.92
Colmata Orti Stagno	0.15	0.57	0.53	Tora 2	6.33	2.04	0.55
Colmata Orti Guasticce	1.00	1.43	0.89	Tora 3	6.47	3.86	2.27
Cunella	11.52	3.12	2.09	Tora 4	0.22	1.70	3.22
Ecina	6.19	1.57	0.99	Tora Vecchio 1	1.80	1.41	0.81
Fattoria 1	1.99	1.98	2.37	Torretta 1	0.46	1.53	1.89

Fattoria 2	1.92	2.21	1.84	Torretta 2	0.58	2.09	3.79
Fologno 2	0.24	1.23	1.48	Tremoscio	4.25	2.23	2.31
Fologno 3	0.28	0.41	0.13	Ugione 1	8.89	1.61	1.84
Fologno 4	0.77	0.98	0.65	Ugione 2	1.43	1.48	0.86

Nella figura seguente si riporta la schematizzazione dei bacini per l'implementazione del modello idrologico. Il contributo congiunto di più bacini è assegnato a singoli nodi (junction) o ad aste fluviali in cui si innesca il meccanismo della propagazione delle piene (reach). Quest'ultimo è stato schematizzato secondo il metodo di Muskingum-Cunge per alvei assimilabili a trapezoidali.



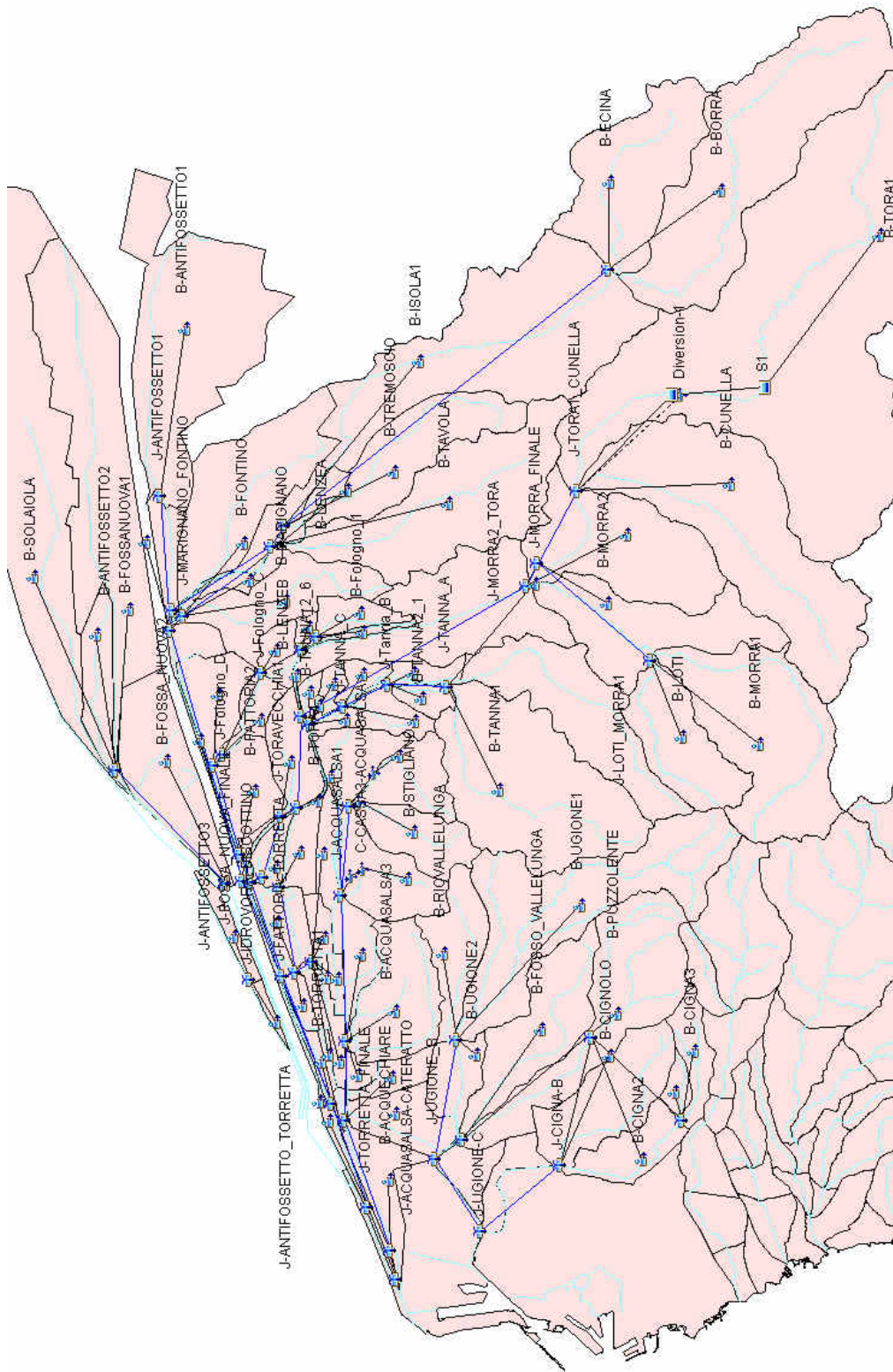


Figura 15 - elementi del modello idrologico



### 3.5.1 RISULTATI DEL MODELLO AFFLUSSI-DEFLUSSI PER IETOGRAMMI AD INTENSITA' COSTANTE

I risultati hanno evidenziato che il massimo delle portate si verifica per quasi la totalità dei bacini in un intervallo compreso tra 2 e 6h (*Tabella 8*).

A livello di macro-bacini, i picchi si registrano in un arco temporale variabile tra 2 e 6 h (ad eccezione del bacino del Fossa Nuova). Risulta in particolare importante definire i contributi nei vari tratti di interesse per l'analisi delle esondazioni come meglio riportato in Tabella 8.

*Tabella 8: durate critiche dei bacini.*

BACINO	DURATA CRITICA
T. UGIONE	3 h
TORRENTE TORA	4 h
TORRENTE TANNA	4 h
TORRENTE MORRA	5 h
ANTIFOSSETTO	6 h
F. ACQUASALSA	4 h
CATERATTO	2 h
FOSSO FOLOGNO	2 h
F. TORRETTA	3 h
RETE INTERPORTO	2 h
FOSSA NUOVA	18 h
IDROVORA BISCOTTINO	3 h
F. TORAVECCHIA	2 h
F. MARIGNANO	5 h
F. FONTINO	5 h
TORRENTE ISOLA	4 h
FATTORIA	3 h

Di seguito si riportano gli idrogrammi di piena ottenuti nelle condizioni  $T_r=200$  anni e per ietogramma costante.

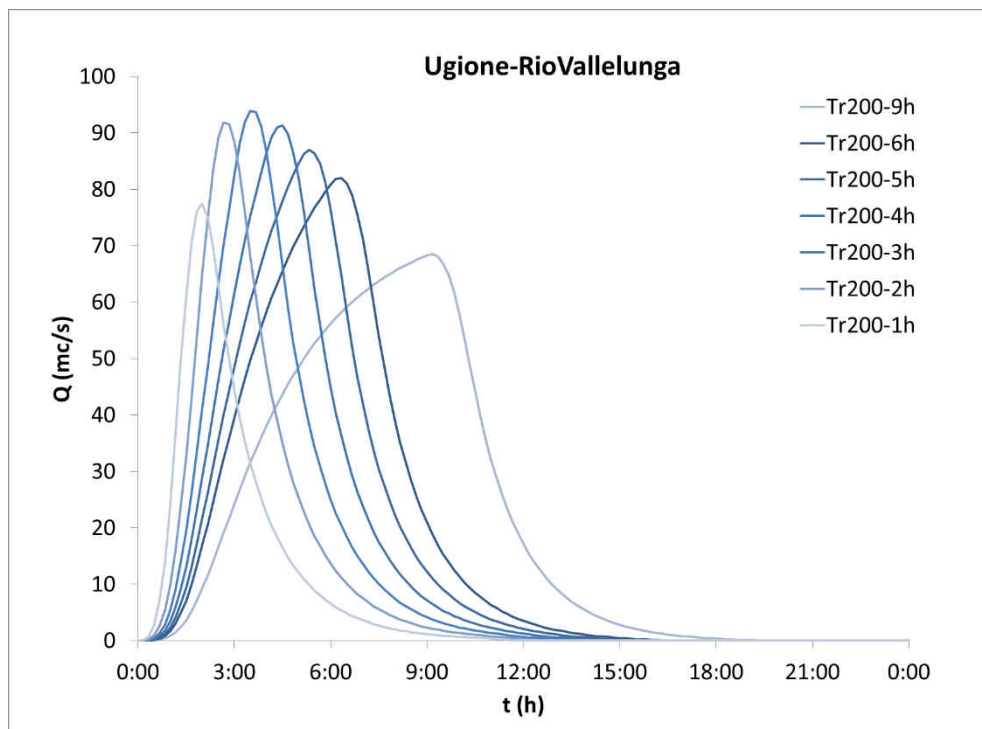


Figura 16 - idrogramma di piena confluenza T. Ugione- Rio Vallelunga per  $T_r=200$  anni e ietogrammi ad intensità costante

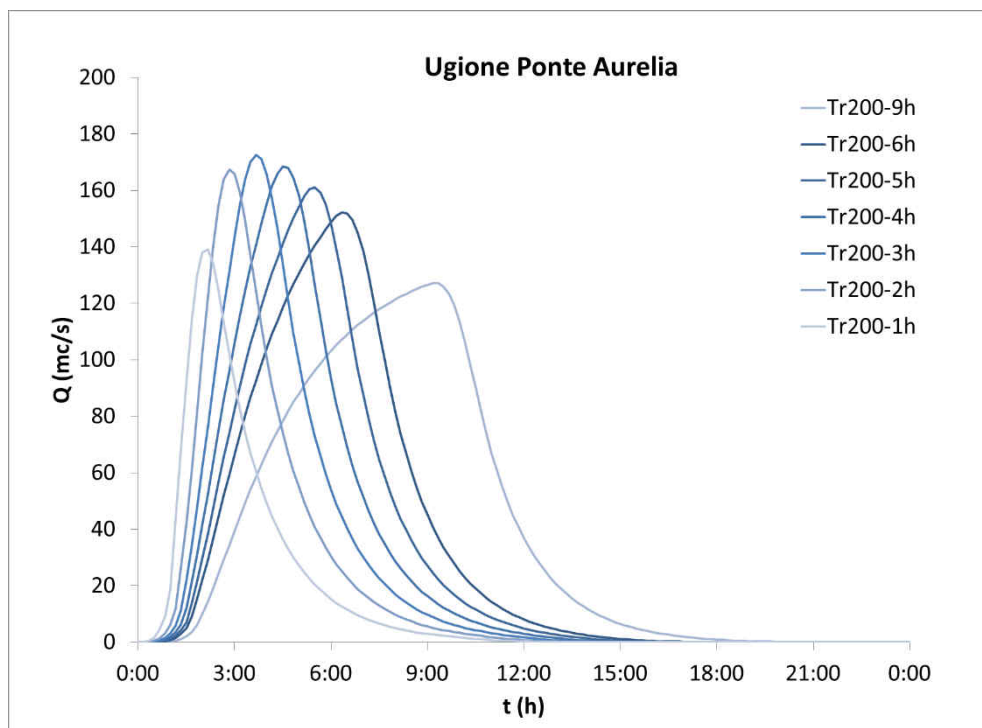


Figura 17 - idrogramma di piena confluenza T. Ugione- al ponte sulla via Aurelia per  $T_r=200$  anni e ietogrammi ad intensità costante

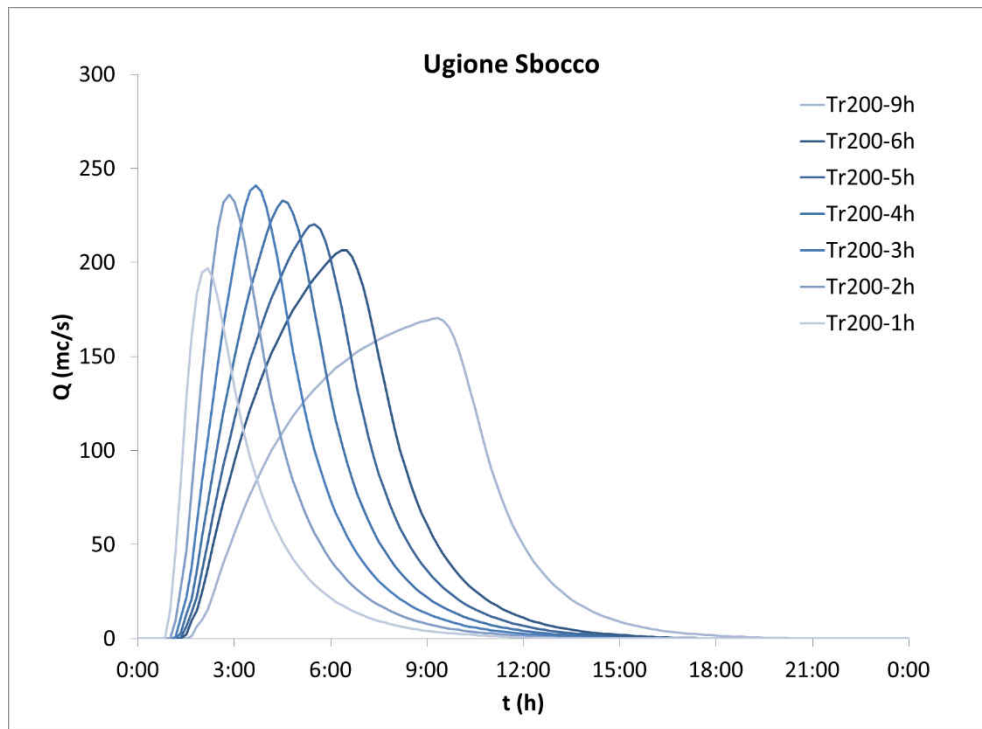


Figura 18 - idrogramma di piena confluente T. Ugione- sbocco per  $T_r=200$  anni e ietogrammi ad intensità costante

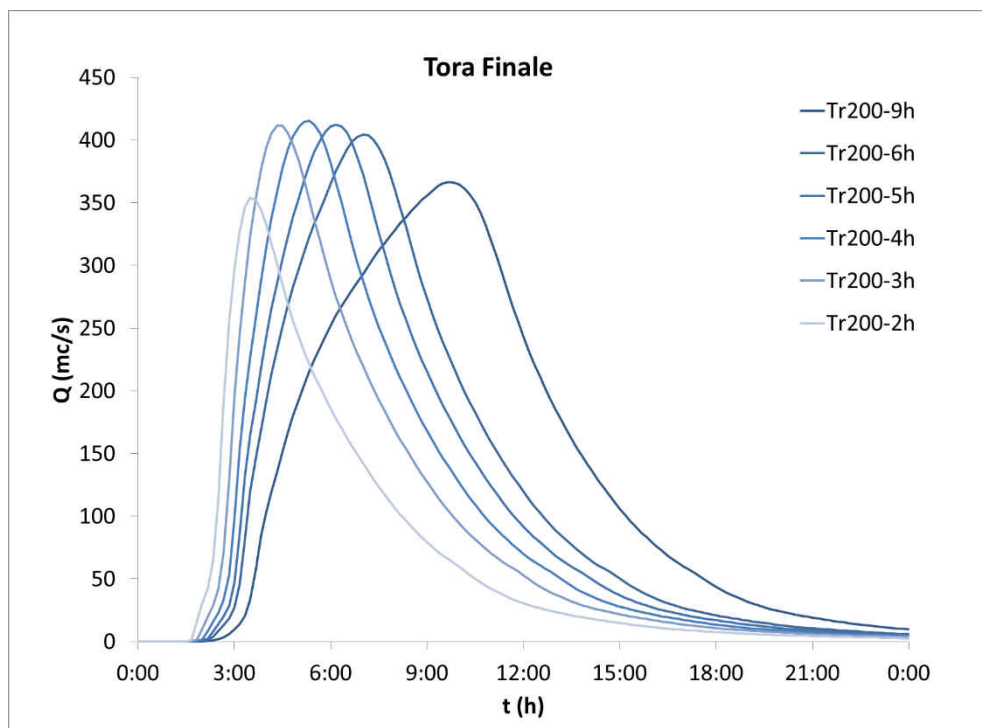


Figura 19 - idrogramma di piena allo sbocco del T. Tora per  $T_r=200$  anni e ietogrammi ad intensità costante

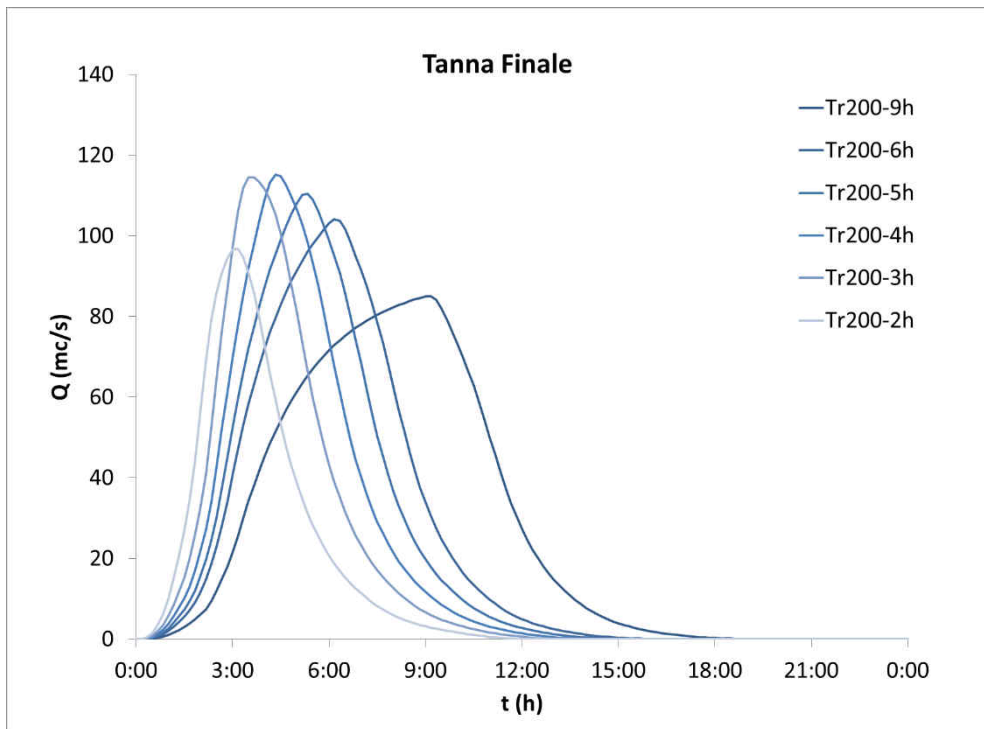


Figura 20 - idrogramma di piena allo sbocco del T. Tanna per  $T_r=200$  anni e ietogrammi ad intensità costante

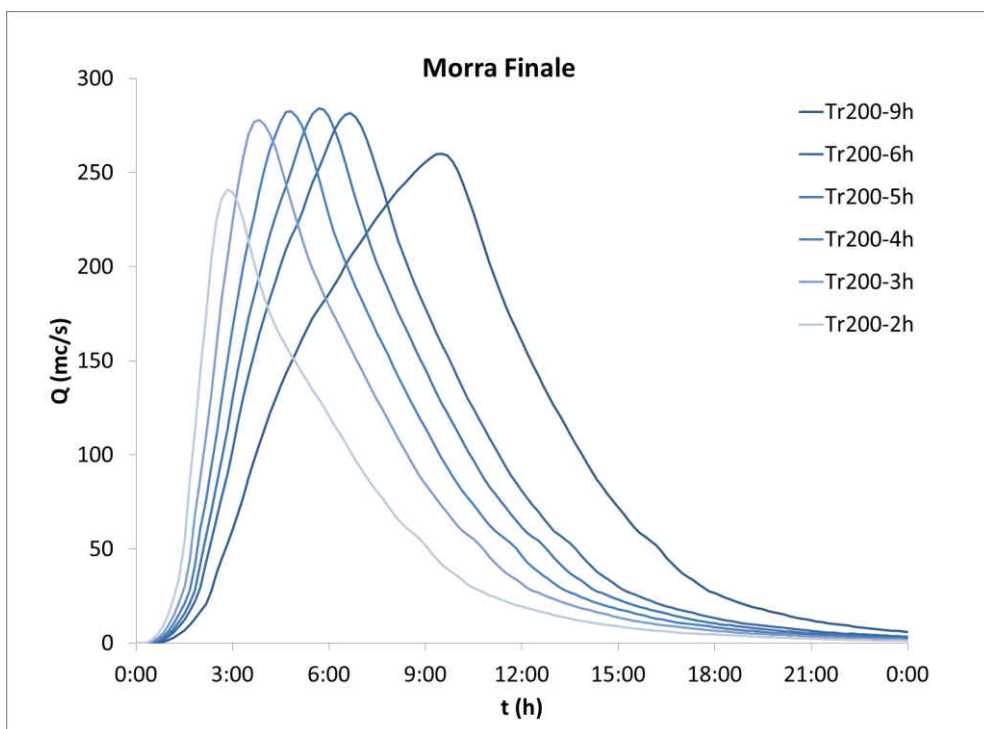


Figura 21 - idrogramma di piena allo sbocco del T. Morra per  $T_r=200$  anni e ietogrammi ad intensità costante

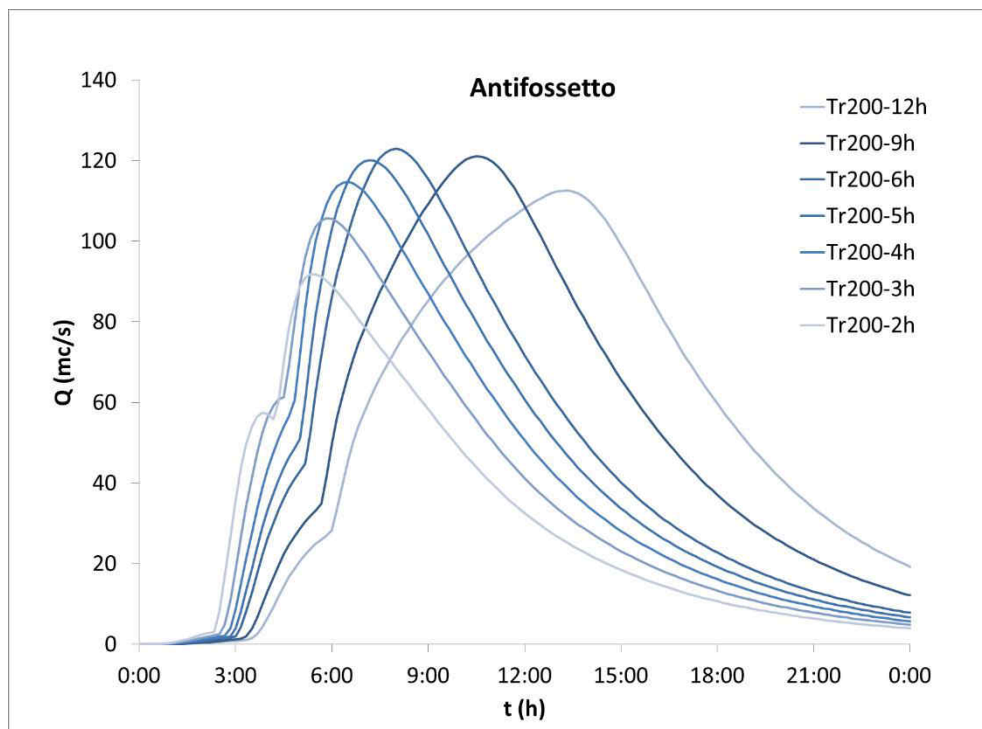


Figura 22 - idrogramma di piena allo sbocco dell'Antifossetto per  $T_r=200$  anni e ietogrammi ad intensità costante

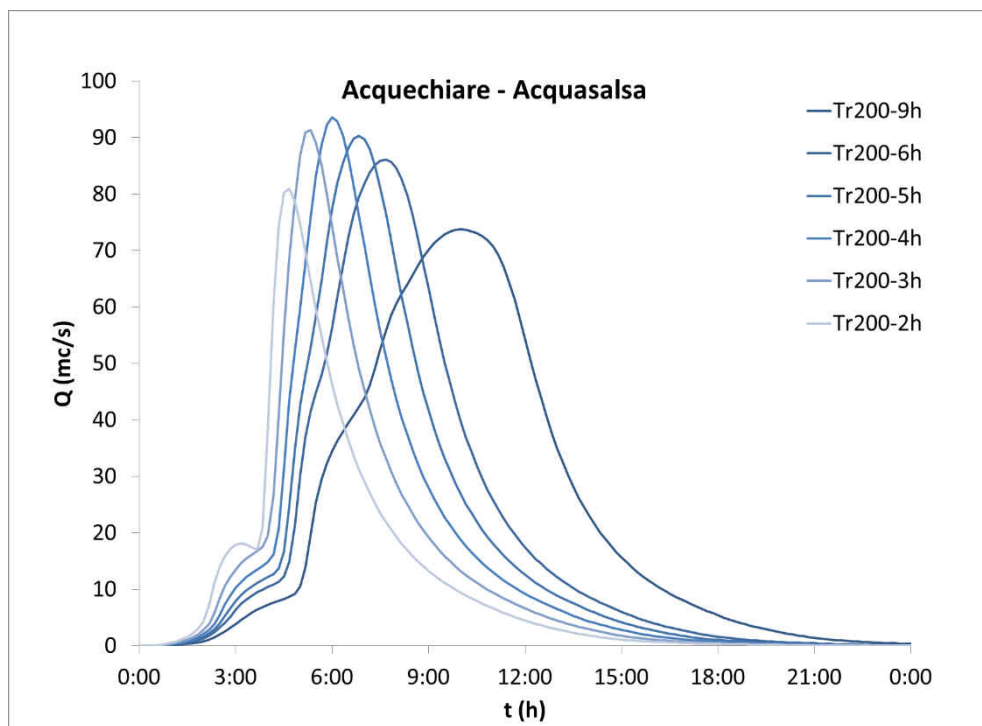


Figura 23 - idrogramma di piena del F. Acquasalsa a Guasticce per  $T_r=200$  anni e ietogrammi ad intensità costante

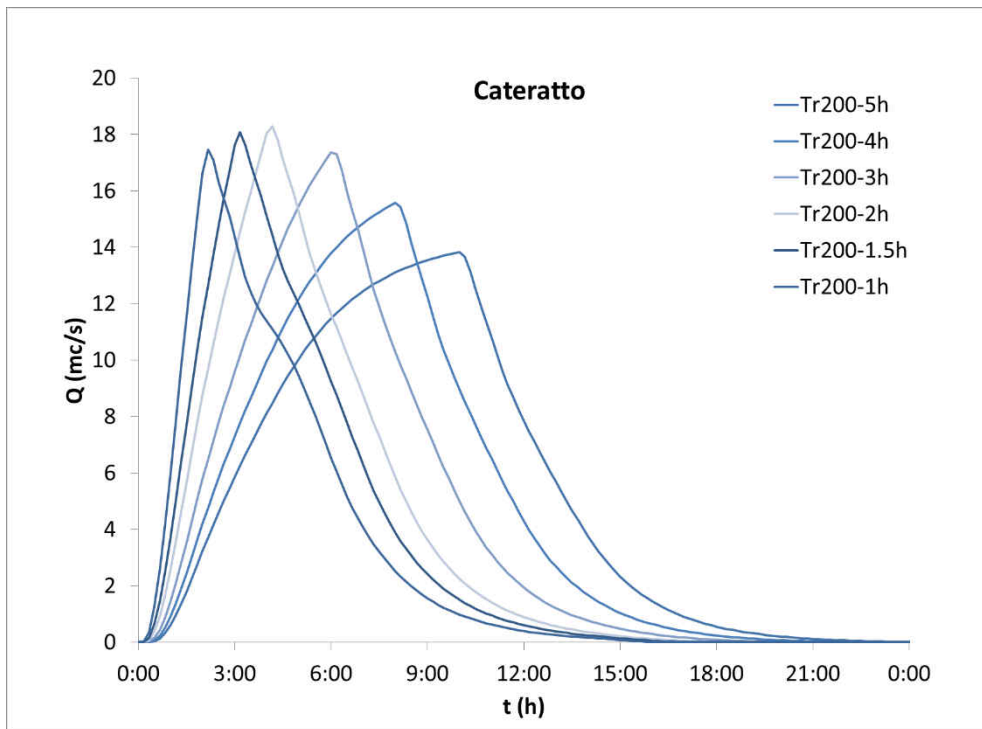


Figura 24 - idrogramma di piena del F. Cateratto per  $T_r=200$  anni e ietogrammi ad intensità costante

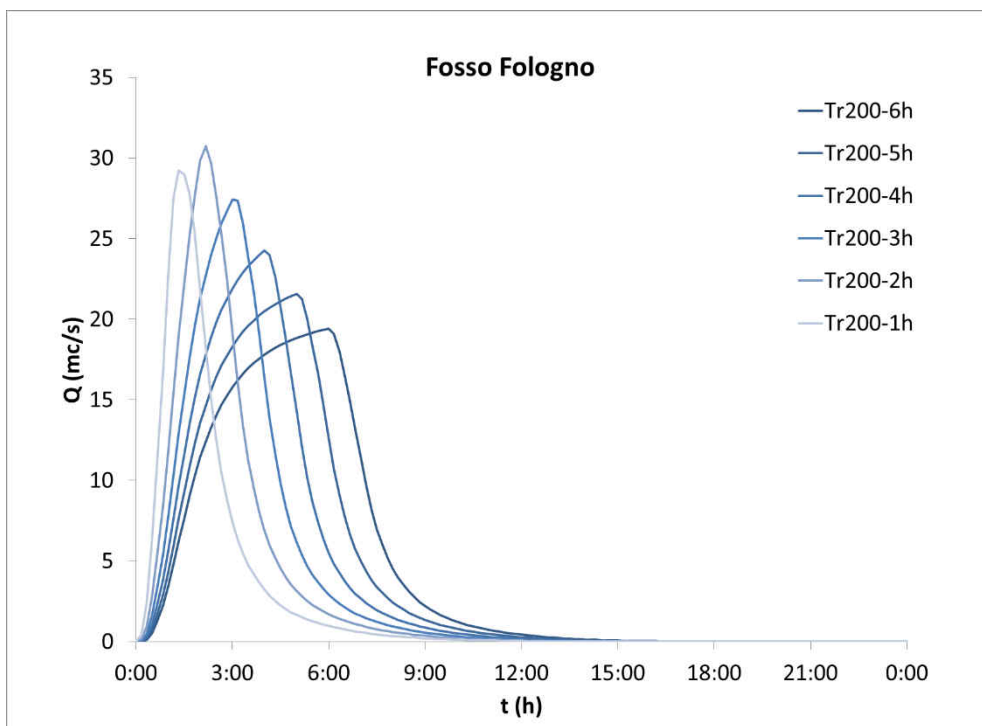


Figura 25 - idrogramma di piena allo sbocco del Fosso Fologno per  $T_r=200$  anni e ietogrammi ad intensità costante

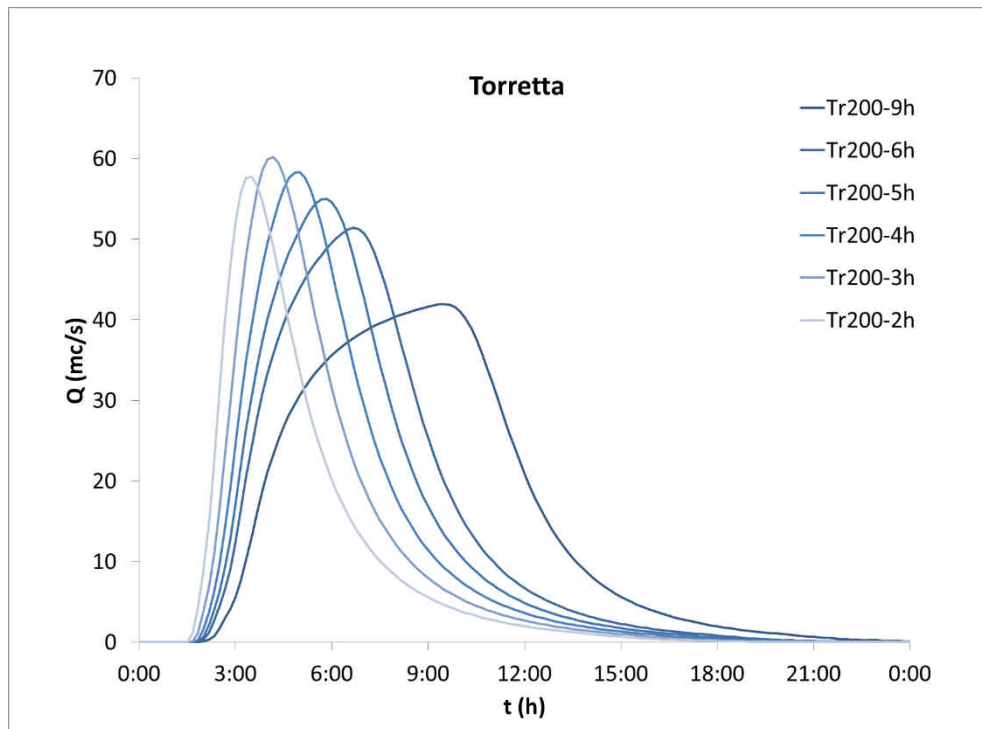


Figura 26 - idrogramma di piena allo sbocco del F. Torretta per  $T_r=200$  anni e ietogrammi ad intensità costante

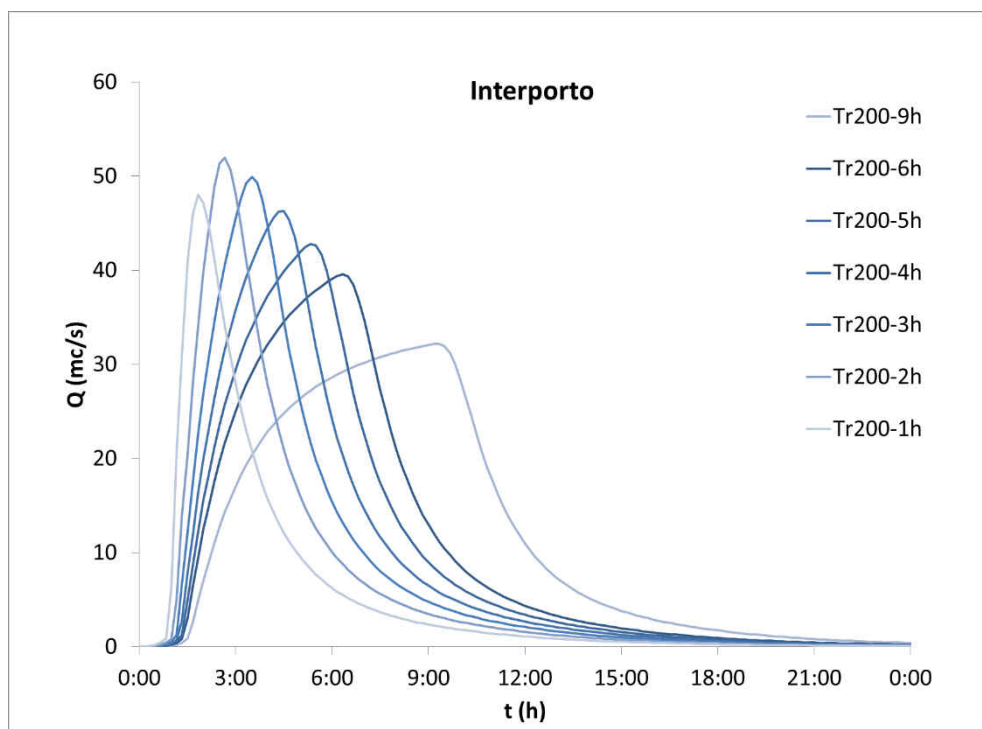


Figura 27 - idrogramma di piena allo sbocco del complesso Interporto per  $T_r=200$  anni e ietogrammi ad intensità costante



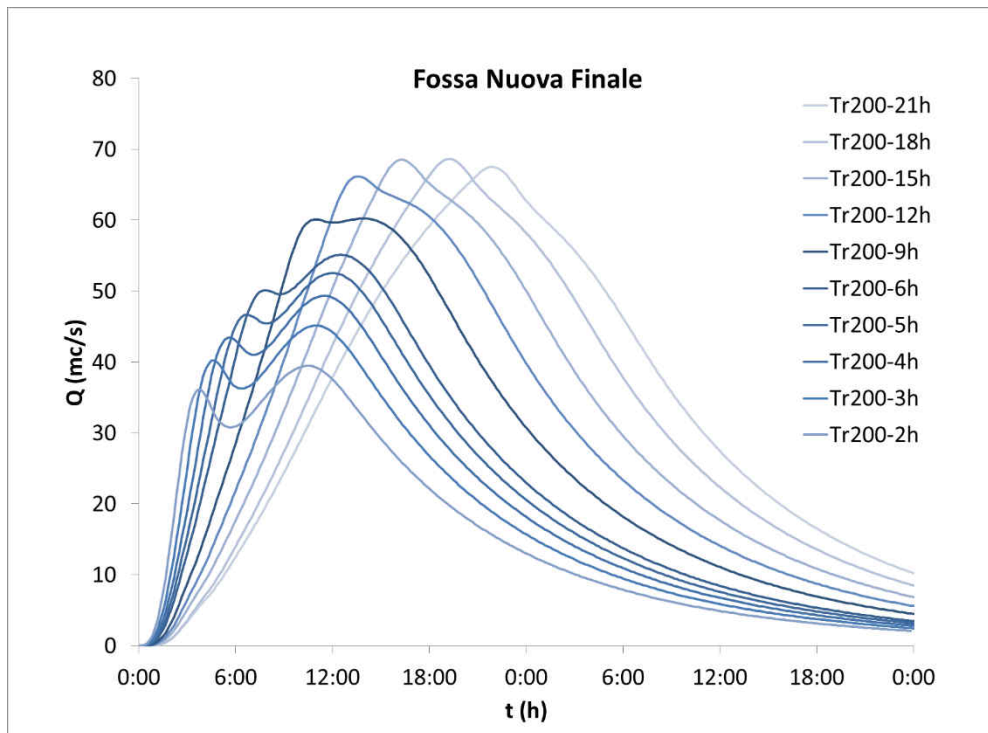


Figura 28 - idrogramma di piena allo sbocco del Fossa Nuova per  $T_r=200$  anni e ietogrammi ad intensità costante

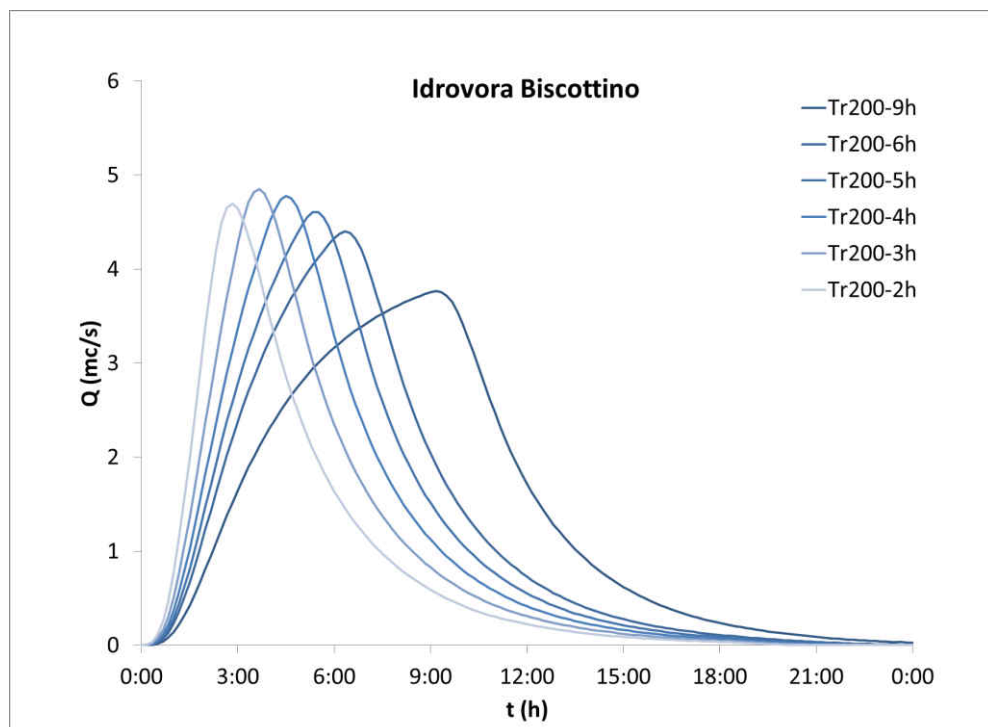


Figura 29 - idrogramma di piena allo sbocco della Idrovora Biscottino per  $T_r=200$  anni e ietogrammi ad intensità costante



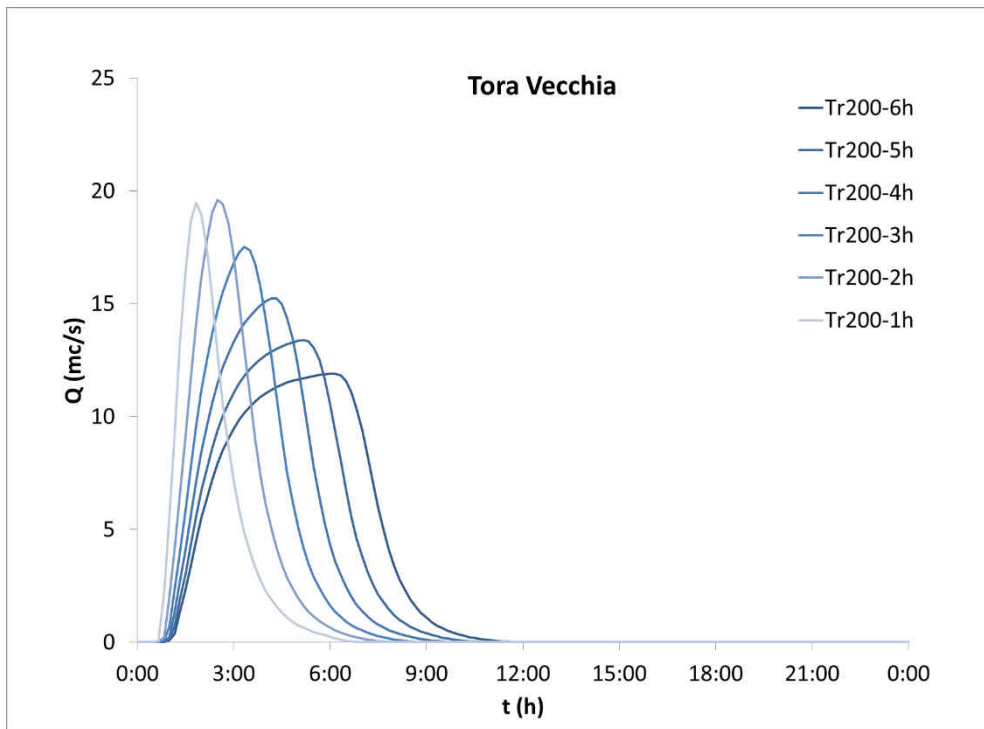


Figura 30 - idrogramma di piena allo sbocco del torrente Tora Vecchia per  $T_r=200$  anni e ietogrammi ad intensità costante

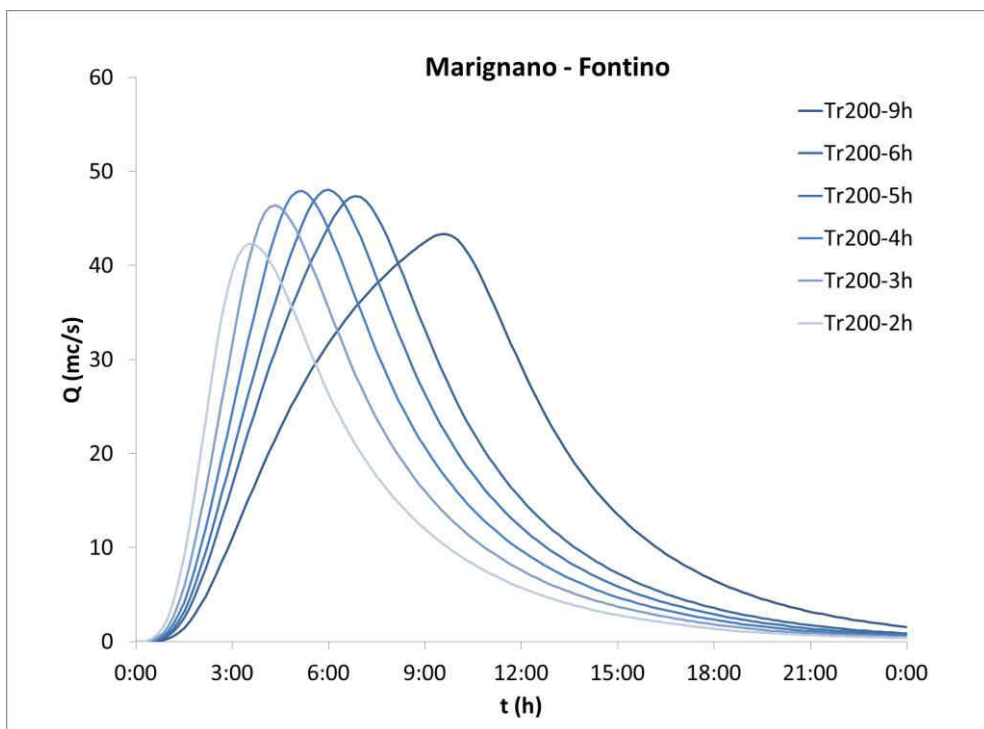


Figura 31 - idrogramma di piena allo sbocco della confluenza tra Fosso Marignano e Fosso Fontino per  $T_r=200$  anni e ietogrammi ad intensità costante

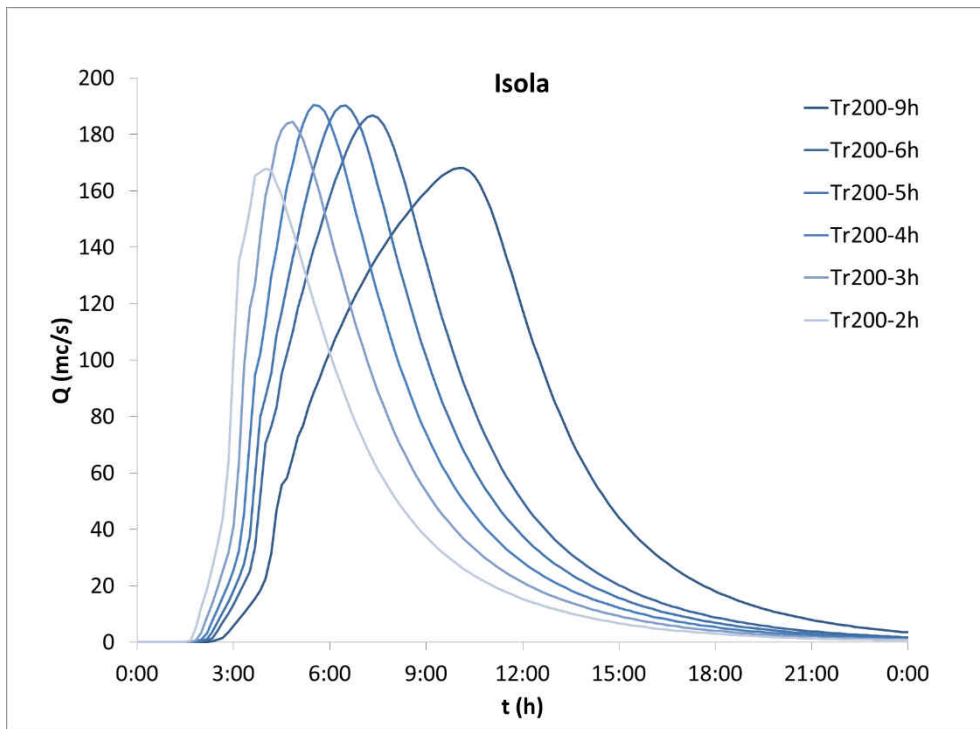


Figura 32 - idrogramma di piena allo sbocco del Torrente Isola per  $T_r=200$  anni e ietogrammi ad intensità costante

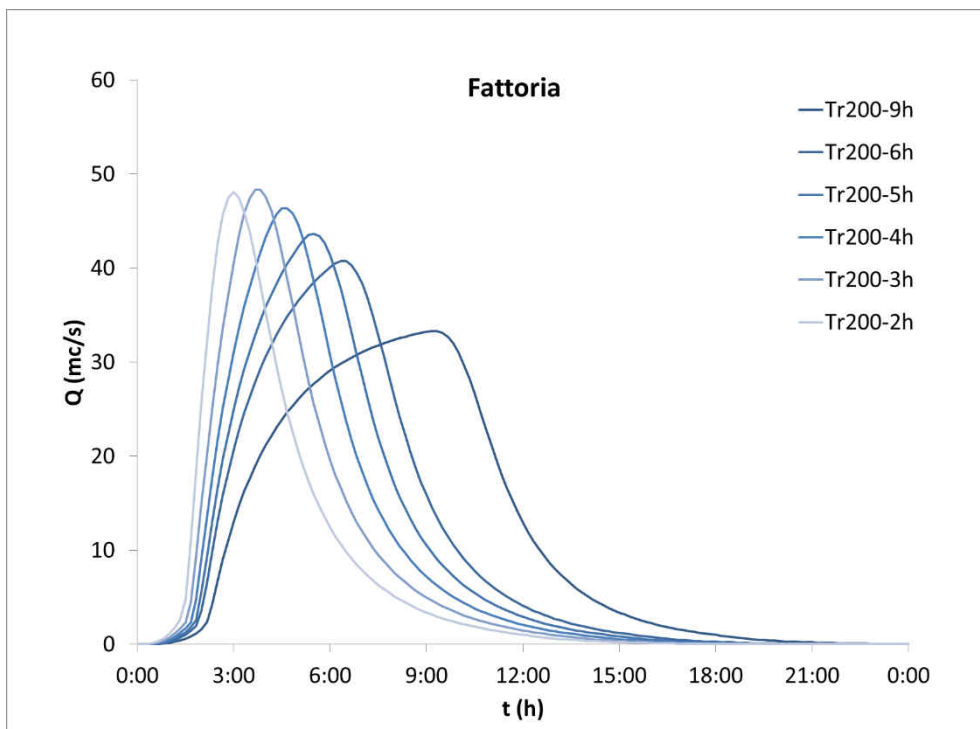


Figura 33 - idrogramma di piena allo sbocco del Torrente Fattoria per  $T_r=200$  anni e ietogrammi ad intensità costante

Tabella 9: portate massime per diverse durate e  $T_r=200$  anni nell'ipotesi di ietogramma ad intensità costante

Elemento	Area (km <sup>2</sup> )	Durata												
		1h	2h	3h	4h	5h	6h	9h	12h	15h	18h	21h	24h	36h
B-TORA1	32.44	80.09	91.112	113.427	119.644	122.437	123.075	118.002	108.943	99.408	90.664	83.035	76.481	58.193
S1	32.44	79.711	90.683	112.855	119.029	121.879	122.538	117.69	108.777	99.33	90.605	82.998	76.46	58.189
S2	32.44	75.432	86.047	107.215	113.737	117.19	118.585	115.219	107.411	98.368	90.083	82.718	76.294	58.153
B-CUNELLA	11.52	48.388	53.708	63.333	63.705	62.302	59.965	51.539	44.092	38.283	33.839	30.432	27.737	20.876
J-TORA1_CUNELLA	43.96	108.035	123.325	152.637	161.902	166.47	167.625	161.339	148.826	135.343	123.305	112.851	103.873	79.007
R-TORA2	43.96	108.071	123.28	152.623	161.847	166.438	167.647	161.306	148.8	135.329	123.294	112.842	103.866	79.003
B-MORRA1	8.09	38.716	42.218	48.88	47.873	45.714	43.103	35.699	30.064	26.026	23.061	20.785	18.981	14.36
B-LOTI	3.66	32.549	31.606	30.995	27.367	24.211	21.727	16.772	13.85	11.909	10.516	9.459	8.627	6.512
J-LOTI_MORRA1	11.75	61.968	67.624	76.592	73.67	69.018	64.442	52.352	43.898	37.936	33.576	30.245	27.608	20.872
R-MORRA	11.75	61.986	67.432	76.602	73.449	69.066	64.282	52.331	43.844	37.893	33.546	30.222	27.591	20.863
B-MORRA2	5.14	45.488	45.966	46.163	41.33	36.784	32.879	24.984	20.434	17.464	15.354	13.767	12.524	9.391
J-MORRA_FINALE	16.89	107.473	113.398	121.983	114.223	105.139	96.769	77.123	64.206	55.308	48.871	43.97	40.101	30.249
B-TORA2	6.33	58.587	59.417	58.74	51.535	45.125	40.114	30.484	24.97	21.362	18.795	16.861	15.345	11.519
J-MORRA2_TORA	67.18	221.348	240.961	277.972	282.551	284.023	281.475	260.108	234.495	210.675	190.397	173.388	159.141	120.75
R-TORA3	67.18	218.92	238.867	275.983	280.983	282.74	280.207	259.327	233.952	210.424	190.155	173.242	159.062	120.707
B-TANNA1	9.39	51.828	55.626	62.388	60.229	56.769	53.04	43.037	35.859	30.899	27.294	24.55	22.384	16.873
B-NUGOLA	5.5	32.205	34.087	37.809	36.145	33.833	31.41	25.307	21.041	18.117	15.998	14.387	13.116	9.885
J-TANNA_A	14.89	83.329	89.573	100.184	96.373	90.55	84.45	68.345	56.901	49.016	43.292	38.937	35.501	26.759
R-TANNA_A	14.89	82.409	88.518	99.561	95.909	90.278	84.106	68.189	56.857	48.982	43.265	38.915	35.483	26.751
B-TANNA2_2	0.65	4.962	5.007	5.194	4.712	4.255	3.846	2.988	2.47	2.124	1.876	1.687	1.538	1.161
B-TANNA2_1	0.57	7.327	6.082	5.22	4.409	3.836	3.412	2.612	2.152	1.849	1.632	1.468	1.339	1.011
J-Tanna_B	16.11	85.504	92.277	104.64	101.697	96.355	90.176	73.478	61.341	52.88	46.731	42.044	38.343	28.916
R-TANNA_B	16.11	85.159	92.334	104.611	101.576	96.201	90.18	73.454	61.336	52.878	46.723	42.035	38.333	28.911
B-TANNA2_3.1	0.93	11.45	9.309	8.137	6.91	6.036	5.385	4.145	3.427	2.952	2.61	2.351	2.146	1.625
B-Tanna_2_4	0.56	5.408	5.162	5.012	4.424	3.905	3.491	2.666	2.188	1.874	1.65	1.481	1.349	1.014
J-TANNA_C	17.6	87.516	95.099	109.548	108.504	103.933	97.667	79.992	66.868	57.67	50.968	45.86	41.826	31.55
R-TANNA	17.6	87.444	95.18	109.555	108.399	103.742	97.693	79.971	66.827	57.648	50.954	45.85	41.819	31.547
B-Tanna_2_5	0.38	5.636	4.666	3.919	3.259	2.798	2.465	1.855	1.514	1.293	1.136	1.019	0.926	0.694
B-Tanna_2_3.2	0.33	5.402	4.173	3.388	2.798	2.403	2.119	1.598	1.306	1.116	0.981	0.88	0.801	0.601
B-TANNA_2_6	0.28	4.178	3.429	2.869	2.384	2.049	1.806	1.361	1.112	0.95	0.835	0.749	0.681	0.511
B-Tanna_2_7	0.08	1.648	1.104	0.845	0.692	0.592	0.521	0.391	0.319	0.272	0.239	0.215	0.195	0.146
J-TANNA-FINALE	18.67	88.452	96.703	114.509	115.1	110.491	104.049	85.005	71.078	61.279	54.146	48.712	44.422	33.499
B-TORA3	6.47	22.743	25.701	31.289	32.163	32.009	31.301	27.813	24.216	21.235	18.849	16.979	15.491	11.682
J_TORA_TANNA	92.32	323.792	355.078	412.77	415.035	412.006	404.121	366.072	326.277	291.441	262.423	238.486	218.688	165.838
R-TORA4	92.32	322.656	353.114	410.639	414.318	411.297	403.393	365.673	325.934	291.209	262.247	238.389	218.623	165.801
B-TORA4	0.22	0.744	0.82	0.98	1.003	0.998	0.978	0.886	0.786	0.7	0.628	0.57	0.521	0.394
J-TORA_FINALE	92.54	323.287	353.86	411.578	415.259	412.251	404.345	366.55	326.716	291.903	262.874	238.956	219.142	166.195
B-FONTINO	5.84	16.578	20.283	22.141	23.076	23.431	23.431	22.327	20.59	18.8	17.157	15.718	14.479	11.001



B-MARIGNANO	3.55	15.162	18.063	19.067	19.18	18.824	18.224	15.987	13.89	12.182	10.827	9.742	8.878	6.683
B-LENZEA	0.57	5.289	5.503	5.096	4.577	4.089	3.679	2.821	2.313	1.981	1.744	1.566	1.426	1.072
R-LENZE	0.57	5.184	5.462	5.07	4.552	4.082	3.674	2.819	2.313	1.98	1.744	1.565	1.426	1.072
B-LENZEB	0.54	3.407	3.841	3.838	3.679	3.46	3.228	2.623	2.188	1.878	1.654	1.485	1.353	1.017
J-MARIGNANO_FONTINO	10.5	34.105	42.248	46.387	47.938	48.07	47.384	43.344	38.828	34.783	31.361	28.5	26.129	19.773
B-ANTIFOSSETTO1	10.46	23.505	29.53	32.986	35.066	36.256	36.823	36.423	34.525	32.157	29.766	27.535	25.534	19.635
J-ANTIFOSSETTO1	10.46	23.505	29.53	32.986	35.066	36.256	36.823	36.423	34.525	32.157	29.766	27.535	25.534	19.635
R-ANTIFOSSETTO2	10.46	23.298	29.273	32.727	34.838	36.05	36.648	36.305	34.444	32.101	29.725	27.506	25.513	19.631
B-ANTIFOSSETTO2	1.01	6.066	6.907	6.962	6.713	6.344	5.954	4.879	4.086	3.511	3.094	2.778	2.53	1.903
J-ANTIFOSSETTO2	21.97	48.821	62.139	70.631	76.443	80.296	82.324	81.363	75.995	69.779	63.891	58.64	54.106	41.303
R-ANTIFOSSETTO3	21.97	48.357	61.476	69.786	75.454	79.11	81.104	80.451	75.407	69.418	63.664	58.499	54.012	41.288
B-ANTIFOSSETTO3	0.86	2.219	2.724	2.984	3.121	3.186	3.202	3.097	2.895	2.673	2.462	2.272	2.103	1.615
J-ANTIFOSSETTO3	22.83	50.271	63.926	72.576	78.423	82.208	84.231	83.517	78.285	72.076	66.115	60.764	56.107	42.902
R-ANTIFOSSETTO4	22.83	49.25	62.633	71.109	76.793	80.45	82.469	82.235	77.468	71.561	65.8	60.569	55.987	42.884
B-Fologno_1	0.91	12.434	11.378	9.474	7.964	6.851	6.043	4.557	3.725	3.184	2.801	2.512	2.287	1.718
B-Fologno_2	0.24	1.929	2.077	1.984	1.829	1.673	1.526	1.194	0.98	0.839	0.738	0.662	0.603	0.453
J-Fologno_A	1.15	14.242	13.355	11.426	9.764	8.514	7.567	5.751	4.705	4.023	3.539	3.175	2.89	2.171
B-Fologno_3	0.28	6.283	4.006	3.029	2.48	2.122	1.867	1.405	1.147	0.98	0.862	0.773	0.704	0.529
J-Fologno_B	1.43	16.65	16.739	14.382	12.244	10.636	9.434	7.156	5.852	5.003	4.401	3.948	3.593	2.699
B-Fologno_4	0.77	9.861	9.196	7.809	6.646	5.753	5.083	3.84	3.142	2.687	2.364	2.121	1.931	1.451
J-Fologno_C	2.2	26.067	25.935	22.168	18.89	16.388	14.517	10.996	8.994	7.69	6.765	6.069	5.525	4.151
B-FOLOGNO 5	0.82	5.284	5.92	5.899	5.643	5.302	4.948	4.017	3.349	2.87	2.525	2.266	2.063	1.549
J-Fologno_D	3.02	29.229	30.746	27.418	24.267	21.58	19.419	15.01	12.343	10.56	9.29	8.335	7.587	5.7
B-FATTORIA1	1.99	9.86	11.597	12.017	11.873	11.462	10.945	9.282	7.913	6.866	6.065	5.452	4.968	3.74
J-FATTORIA_FOLOGNO	5.01	34.738	38.722	37.787	35.165	32.491	30.079	24.257	20.25	17.426	15.355	13.787	12.555	9.44
R-FATTORIA1	5.01	30.326	35.158	35.286	33.627	31.534	29.394	24.019	20.163	17.392	15.338	13.776	12.547	9.437
B-FATTORIA2	1.92	11.205	12.983	13.197	12.793	12.124	11.37	9.305	7.773	6.674	5.88	5.28	4.809	3.617
J-FATTORIA2	6.93	41.374	48.049	48.345	46.372	43.658	40.764	33.314	27.932	24.062	21.218	19.056	17.356	13.054
R-FATTORIA2	6.93	38.828	46.1	47.147	45.603	43.085	40.414	33.195	27.887	24.044	21.208	19.05	17.351	13.052
B-TORAVECCHIA1	1.8	19.368	19.562	17.477	15.273	13.395	11.901	9.001	7.362	6.295	5.538	4.969	4.522	3.398
J-TORAVECCHIA1	1.8	19.368	19.562	17.477	15.273	13.395	11.901	9.001	7.362	6.295	5.538	4.969	4.522	3.398
R-TORA_VECCHIA2	1.8	19.466	19.603	17.505	15.241	13.392	11.892	8.997	7.36	6.294	5.537	4.968	4.522	3.397
J-TORA_VECCHIA	1.8	19.466	19.603	17.505	15.241	13.392	11.892	8.997	7.36	6.294	5.537	4.968	4.522	3.397
J-FATTORIA_TORA_VECCHIA	8.73	50.418	60.944	62.283	59.611	55.826	51.893	42.118	35.229	30.334	26.743	24.015	21.872	16.449
R-FATTORIA3	8.73	47.099	57.766	60.203	58.298	55.012	51.405	41.954	35.167	30.309	26.73	24.008	21.867	16.447
J-FATTORIA_TORRETTA	8.73	47.099	57.766	60.203	58.298	55.012	51.405	41.954	35.167	30.309	26.73	24.008	21.867	16.447
R-TORRETTA1	8.73	44.001	54.561	57.943	56.958	54.147	50.845	41.762	35.1	30.282	26.718	24.001	21.861	16.445
B-TORRETTA1	0.46	2.724	3.118	3.146	3.035	2.869	2.688	2.202	1.844	1.587	1.399	1.258	1.146	0.863
B-ANTIFOSSETTO4	0.32	0.582	0.725	0.807	0.859	0.891	0.91	0.923	0.9	0.862	0.819	0.774	0.731	0.588
J-ANTIFOSSETTO_TORRETTA	32.34	70.788	91.809	105.702	114.744	120.135	122.903	121.115	112.551	102.924	94.019	86.21	79.496	60.753
R-TORRETTA2	32.34	69.13	89.905	103.79	113.187	118.841	121.694	120.319	112.103	102.664	93.864	86.117	79.438	60.743
B-TORRETTA2	0.58	2.041	2.464	2.64	2.698	2.69	2.644	2.416	2.16	1.93	1.737	1.577	1.443	1.089
J-TORRETTA_FINALE	32.92	70.093	91.232	105.371	114.981	120.76	123.712	122.323	113.976	104.417	95.479	87.608	80.821	61.823



B-STIGLIANO	2.07	22.685	22.848	20.17	17.533	15.339	13.664	10.471	8.617	7.382	6.461	5.801	5.341	4.006
C-CASSA2-STIGLIANO	2.07	16.761	22.12	20.17	17.533	15.339	13.664	10.471	8.617	7.382	6.461	5.801	5.341	4.006
B-ACQUASALSA1A	1.88	15.879	17.291	16.306	14.841	13.341	12.068	9.393	7.761	6.66	5.835	5.243	4.829	3.626
C-CASSA2-ACQUASALSA	1.88	4.546	14.022	16.02	14.841	13.341	12.068	9.393	7.761	6.66	5.835	5.243	4.829	3.626
J-ACQUASALSA_STIGLIANO	3.95	20.302	28.303	34.788	32.374	28.618	25.724	19.864	16.378	14.042	12.296	11.044	10.17	7.632
R-ACQUASALSA1a	3.95	17.862	25.587	32.575	32.29	28.536	25.65	19.832	16.358	14.028	12.286	11.037	10.165	7.643
B-ACQUASALSA1C	2.8	33.975	33.323	28.678	24.523	21.234	18.825	14.341	11.774	10.072	8.808	7.903	7.27	5.446
C-CASSA3-ACQUASALSA	2.8	33.783	33.323	28.678	24.523	21.234	18.825	14.341	11.774	10.072	8.808	7.903	7.27	5.446
C-CASSA3-ACQUASALSA-VALLE	2.8	14.974	29.401	28.678	24.523	21.234	18.825	14.341	11.774	10.072	8.808	7.903	7.27	5.446
B-ACQUASALSA1B	1.63	23.698	20.84	17.068	14.349	12.352	10.933	8.321	6.832	5.845	5.112	4.588	4.222	3.164
R-ACQUASALSA 1B	1.63	22.651	20.423	16.953	14.272	12.299	10.9	8.309	6.825	5.841	5.11	4.586	4.22	3.163
J-ACQUASALSA1	8.38	39.774	69.333	69.452	69.439	62.028	55.266	42.459	34.951	29.94	26.203	23.526	21.656	16.239
R-ACQUASALSA1c	8.38	27.359	48.223	51.511	53.824	50.199	46.993	39.511	33.802	29.458	25.973	23.402	21.582	16.163
B-ACQUASALSA3	3.6	20.69	24.432	24.824	23.994	22.531	21.023	17.216	14.436	12.467	10.959	9.87	9.109	6.865
B-ACQUASALSA2	1.2	9.588	10.701	10.411	9.669	8.794	8.005	6.224	5.107	4.364	3.813	3.419	3.143	2.35
B-ACQUASALSA 5	0.33	3.581	3.579	3.201	2.809	2.473	2.207	1.688	1.387	1.186	1.038	0.931	0.857	0.642
J-ACQUASALSA2	13.51	57.613	86.123	89.373	90.155	83.911	78.202	64.616	54.718	47.475	41.783	37.622	34.691	26.02
R-ACQUASALSA2	13.51	51.967	76.339	85.285	85.865	81.799	76.827	64.031	54.448	47.324	41.69	37.56	34.648	25.991
B-ACQUASALSA4	0.8	12.219	10.842	8.757	7.28	6.232	5.496	4.158	3.403	2.907	2.539	2.276	2.093	1.565
J-ACQUASALSA-CATERATTO	14.31	52.011	76.569	85.742	86.454	82.58	77.889	65.819	56.818	49.72	43.945	39.657	36.625	27.461
R-ACQUECHIARE	14.31	50.061	73.304	82.914	84.677	81.554	77.428	65.68	56.695	49.641	43.89	39.627	36.6	27.441
B-ACQUECHIARE	1.78	7.368	8.753	9.286	9.426	9.288	9.065	8.141	7.177	6.334	5.616	5.066	4.662	3.489
J-ACQUECHIARE_ACQUASALSA	16.09	56.018	80.975	91.349	93.538	90.339	86.072	73.736	63.818	55.931	49.481	44.668	41.246	30.912
J-ACQUECHIARE_TORRETTA	49.01	105.087	149.041	181.016	199.961	206.403	206.875	194.52	176.678	159.732	144.646	132.13	121.994	92.735
B-BORRA	11.83	38.897	49.283	53.673	54.927	54.498	53.164	47.189	41.236	36.319	32.377	29.259	26.756	20.284
B-ECINA	6.19	43.564	48.957	47.138	43.482	39.542	35.994	28.029	23.134	19.865	17.516	15.737	14.337	10.787
J-ECINA_BORRA	18.02	71.667	88.546	94.259	94.229	91.491	87.482	74.811	64.266	56.129	49.873	44.99	41.094	31.071
R-ISOLA1	18.02	73.47	89.317	93.79	93.984	91.208	87.287	74.645	64.127	56.061	49.813	44.94	41.052	31.052
B-ISOLA1	13.16	28.663	36.718	41.195	43.775	45.151	45.667	44.538	41.643	38.359	35.205	32.378	29.909	22.846
B-TREMOSCIO	4.25	17.185	20.864	22.051	22.126	21.607	20.815	18.007	15.5	13.527	11.986	10.793	9.844	7.417
J-ISOLA_TREMOSCIO	35.43	109.063	135.401	147.762	152.835	153.014	150.397	135.891	120.673	107.612	96.818	87.994	80.718	61.282
R-ISOLAA	35.43	110.562	134.874	147.642	152.816	153.079	150.356	135.906	120.684	107.62	96.821	87.991	80.72	61.282
B-TAVOLA	8.29	26.274	33.739	36.962	37.98	37.782	36.898	32.794	28.667	25.244	22.516	20.361	18.629	14.142
J-ISOLA_TAVOLA	43.72	136.783	168.531	184.423	190.565	190.333	186.83	168.213	149.054	132.721	119.273	108.315	99.332	75.419
R-ISOLA2	43.72	135.376	167.919	184.46	190.347	190.215	186.704	168.133	149.022	132.704	119.251	108.308	99.313	75.414
J-ISOLA_FINE	43.72	135.376	167.919	184.46	190.347	190.215	186.704	168.133	149.022	132.704	119.251	108.308	99.313	75.414
B-SOLAIOLA	17.19	21.214	27.016	30.813	33.546	35.579	37.115	39.695	40.392	40.045	39.114	37.859	36.44	30.666
B-FOSSANUOVA1	10.43	8.408	10.677	12.157	13.246	14.091	14.766	16.119	16.849	17.2	17.305	17.242	17.066	15.801
B-ALESSANDRINI	1.79	4.511	5.577	6.137	6.442	6.588	6.634	6.434	6.02	5.561	5.12	4.721	4.368	3.35
J-FOSSA_NUOVA_SOLAIOLA	29.41	31.229	39.774	45.411	49.529	52.646	55.038	59.348	60.973	61.105	60.319	58.956	57.258	49.638
R-FOSSANUOVA	29.41	30.765	39.192	44.744	48.816	51.924	54.344	58.764	60.509	60.7	59.966	58.655	57.004	49.517
B-FOSSA_NUOVA2	4.16	25.826	30.015	30.387	29.187	27.41	25.48	20.436	16.888	14.467	12.735	11.43	10.406	7.821
J-FOSSA_NUOVA_FINALE	33.57	30.99	39.479	45.125	49.31	52.554	55.124	60.234	66.196	68.529	68.631	67.517	65.751	56.996





B-UGIONE1	8.89	42.887	53.91	57.513	57.59	56.174	53.874	46.269	39.835	34.842	31.071	28.135	25.788	19.703
B-RIOVALLELUNGA	2.43	18.565	21.486	21.28	20.06	18.532	17.088	13.612	11.357	9.821	8.706	7.854	7.181	5.458
B-UGIONE2	1.43	17.852	18.284	16.472	14.49	12.754	11.369	8.627	7.073	6.06	5.34	4.797	4.372	3.297
J-UGIONE_A	12.75	77.415	91.813	93.885	91.277	86.949	81.98	68.456	58.217	50.723	45.117	40.787	37.341	28.458
R-UGIONE2	12.75	77.274	91.763	93.849	91.142	86.888	81.903	68.4	58.185	50.696	45.095	40.769	37.325	28.449
B-PUZZOLENTE	6.53	36.704	44.976	46.946	46.277	44.4	42.207	35.456	30.133	26.208	23.288	21.013	19.249	14.65
B-FOSSO_VALLELUNGA	4.26	25.285	30.691	31.797	31.162	29.76	28.152	23.452	19.839	17.219	15.283	13.788	12.617	9.591
J-PUZZOLENTE_VALLE	10.79	61.988	75.667	78.743	77.439	74.16	70.359	58.908	49.97	43.428	38.57	34.801	31.866	24.241
J-UGIONE_B	23.54	139.078	167.43	172.592	168.467	160.983	152.134	127.15	108.152	94.081	83.631	75.549	69.177	52.687
R-UGIONE3	23.54	138.005	166.485	171.885	167.971	160.505	151.831	127.012	108.052	94.023	83.6	75.528	69.156	52.674
B-CIGNOLO	3.86	37.807	41.261	39.124	35.681	32.323	29.293	22.767	18.775	16.133	14.242	12.809	11.687	8.835
B-CIGNA2	1.8	15.67	17.405	17.025	15.95	14.704	13.533	10.709	8.836	7.585	6.69	6.014	5.484	4.14
B-CIGNA3	1.29	20.583	18.295	15.05	12.708	11.045	9.818	7.512	6.193	5.325	4.705	4.236	3.866	2.928
B-CIGNA1	0.45	7.39	6.319	5.183	4.369	3.8	3.38	2.592	2.14	1.842	1.628	1.467	1.339	1.016
J-CIGNA-A	1.74	27.821	24.604	20.234	17.077	14.844	13.199	10.104	8.333	7.167	6.333	5.703	5.206	3.943
J-CIGNA-C	3.54	38.061	39.507	36.338	32.564	29.402	26.674	20.813	17.169	14.752	13.023	11.716	10.689	8.083
J-CIGNA-B	7.4	72.53	79.588	74.959	68.231	61.579	55.952	43.58	35.944	30.886	27.265	24.526	22.376	16.918
R-CIGNA-A	7.4	71.84	79.419	74.665	68.078	61.474	55.838	43.527	35.911	30.865	27.252	24.516	22.369	16.915
J-UGIONE-C	30.94	196.997	235.851	240.94	232.798	220.334	206.471	170.322	143.877	124.885	110.848	100.038	91.521	69.586
B-COLLETTORE_NORD2	1.37	4.478	5.364	5.776	5.959	6.005	5.966	5.607	5.125	4.652	4.23	3.865	3.553	2.688
B-COLLETTORE_NORD1	0.68	11.783	9.58	7.602	6.263	5.368	4.727	3.556	2.903	2.479	2.179	1.954	1.777	1.333
B-COLLETTORE_EST	0.58	7.493	7.118	6.157	5.274	4.591	4.052	3.048	2.487	2.123	1.865	1.672	1.521	1.14
B-COLLETTORE_SUD2	0.88	8.616	8.968	8.351	7.511	6.73	6.047	4.617	3.77	3.22	2.829	2.536	2.307	1.729
B-COLMATA_ORTI_STAGNO	0.15	2.406	2.02	1.645	1.369	1.176	1.037	0.781	0.638	0.545	0.48	0.43	0.391	0.294
R-COLLETTORE_NORD	1.68	18.445	19.008	16.947	14.783	12.983	11.563	8.756	7.158	6.117	5.378	4.823	4.388	3.292
B-CHIAVICHE_EST	1	4.746	5.577	5.838	5.837	5.701	5.497	4.779	4.127	3.606	3.196	2.87	2.613	1.961
B-COLMATA_ORTI_GUASTICCE	1	10.608	10.922	9.899	8.741	7.71	6.882	5.213	4.262	3.642	3.202	2.871	2.612	1.959
B-COLLETTORE_SUD3	0.32	2.802	2.982	2.826	2.587	2.353	2.138	1.662	1.362	1.165	1.024	0.918	0.836	0.627
R-COLLETTORE_SUD	3.11	24.692	26.61	25.494	23.491	21.564	19.794	15.77	13.138	11.309	9.969	8.943	8.137	6.103
B-COLLETTORE_OVEST	0.43	2.751	3.102	3.112	2.996	2.83	2.652	2.172	1.818	1.561	1.374	1.233	1.122	0.842
B-COLLETTORE_SUD1	0.18	2.352	2.207	1.906	1.631	1.418	1.252	0.943	0.77	0.658	0.578	0.518	0.471	0.353
COLLETTORE_SUD	2.11	22.03	22.792	20.697	18.317	16.234	14.524	11.052	9.028	7.71	6.776	6.074	5.525	4.142
J-COLMATA	1.68	19.927	19.794	17.289	14.947	13.076	11.609	8.769	7.165	6.121	5.381	4.825	4.389	3.292
J-INTERPORTO_FINALE	6.59	48.015	51.94	49.932	46.297	42.788	39.591	32.18	27.204	23.63	20.948	18.861	17.199	12.925
B-CATERATTO	1.84	13.07	14.641	14.536	13.852	12.948	12.036	9.658	7.992	6.83	6	5.375	4.886	3.656
B-BISCOTTINO_EST	0.56	2.565	3.012	3.164	3.175	3.115	3.02	2.664	2.325	2.046	1.823	1.643	1.497	1.127
B-BISCOTTINO_OVEST	0.21	1.872	1.974	1.872	1.717	1.565	1.424	1.112	0.913	0.782	0.688	0.617	0.562	0.423
J-IDROVORA_BISCOTTINO	0.77	3.977	4.698	4.852	4.779	4.604	4.402	3.765	3.235	2.827	2.511	2.26	2.06	1.55



### 3.5.2 RISULTATI DEL MODELLO AFFLUSSI-DEFLUSSI PER IETOGRAMMI DI TIPO CHICAGO

La valutazione della durata critica attraverso gli ietogrammi ad intensità costante consente di definire quale sia la durata di pioggia che massimizza la portata di deflusso per i diversi bacini analizzati e, di conseguenza, di poter effettuare degli approfondimenti sui picchi di piena considerando uno ietogramma di tipo Chicago (applicato alle curve di possibilità climatica e pluviometrica calcolate come descritto nei capitoli precedenti).

- ietogramma di durata 2 h:

Tabella 10: portate massime per i bacini con durata critica 2 h.

BACINO	DURATA CRITICA	Tr30	Tr200	Tr500
FOSSO FOLOGNO	2h	23.4	35.4	41.4
F. TORAVECCHIA	2h	15.7	23.6	27.6
RETE INTERPORTO	2h	37.7	56.6	66.2
CATERATTO	2h	13.0	19.6	22.9
F. TORRETTA	2h	42.3	65.8	77.5

- ietogramma di durata 3 h:

Tabella 11: portate massime per i bacini con durata critica 3 h.

BACINO	DURATA CRITICA	Tr30	Tr200	Tr500
TORRENTE UGIONE	3h	159.8	274.2	335.1
IDROVORA BISCOTTINO	3h	3.5	5.3	6.2
FATTORIA (BOTTE SIFONE TORA)	3h	36.3	55.4	64.8

- ietogramma di durata 4 h:

Tabella 12: portate massime per i bacini con durata critica 4 h.

BACINO	DURATA CRITICA	Tr30	Tr200	Tr500
TORRENTE ISOLA	4h	101.7	168.4	202.7
TORRENTE TANNA	4h	82.9	137.5	165.3
TORRENTE TORA	4h	293.3	471.4	559.6
F. ACQUASALSA-ACQUECHIARE	4h	50.0	105.0	132.8

- ietogramma di durata 5h:

Tabella 13: portate massime per i bacini con durata critica 5 h.

BACINO	DURATA CRITICA	Tr30	Tr200	Tr500
F. MARIGNANO	5 h	34.1	52.4	61.4
F. FONTINO	5 h	34.1	52.4	61.4
T. MORRA	5h	164.5	259.8	307.3

- letogramma di durata 6h:

Tabella 14: portate massime per i bacini con durata critica 6 h.

BACINO	DURATA CRITICA	Tr30	Tr200	Tr500
ANTIFOSSETTO (BOTTE SIFONE TORA)	6 h	81.0	127.4	150.5

- letogramma di durata 18h:

Tabella 15: portate massime per i bacini con durata critica 18 h.

BACINO	DURATA CRITICA	Tr30	Tr200	Tr500
FOSSA NUOVA	15 h	48.5	76.0	89.5

### 3.5.3 CONFRONTO CON STUDI ESISTENTI

Al fine di verificare la validità dello schema idrologico adottato si effettua un confronto con i risultati dello “Studio idrologico idraulico a supporto del Regolamento Urbanistico del Comune di Collesalveti” - Luglio 2015 ad opera di PR.I.MA Ingegneria. Si riportano, inoltre, a solo scopo informativo, i risultati relativi ad altri studi esistenti.

Tabella 16: confronto risultati.

BACINO	STUDIO PRESENTE		STUDIO 2015		ALTRI STUDI		FONTE
	Tr200	Tr30	Tr200	Tr30	Tr200	Tr30	
J-ACQUALSALSA 1	84.51	33.0	74.86	24.19	45	-	CONSORZIO BONIFICA
J-ACQUASALSA - ACQUECHIARE	104.99	49.98	92.14	44.5	46	31	PROVINCIA PISA
CATERATTO (J1)	13.49	8.84	14.19	8.83	7.53	-	CONSORZIO BONIFICA
COLMATA ORTI GUASTICCE	12.85	8.46	10.9	6.85	7	-	ING.PAGLIARA
B- FOSSA NUOVA 1	19.04	12.16	14	7.72	6.78	-	ING. LODA E SACCONI
INTERPORTO FINALE	56.60	37.68	45.57	28.42	16.1	12	ING. PAGLIARA
J-FATTORIA2	55.36	36.32	51.73	32.54	-	-	TESI LAUREA
F. FOLOGNO FINALE	35.39	23.44	34.4	22	-	-	TESI LAUREA
ISOLA FINALE	168.36	101.73	169.12	84.16	158.33	-	ALTO
J-TANNA FINALE	137.52	82.94	127.9	72.9	128.02	-	ALTO
J-TORA-TANNA	376.12	234.54	377.59	216.51	330.33	-	ALTO
TORRETTA (FINALE)	128.1	81.15	118.55	69.8	96	55	ING. PAGLIARA
UGIONE PONTE AURELIA	195.71	111.74	217.6	129.8	228.2	-	CONSORZIO BONIFICA
UGIONE PONTE AURELIA	195.71	111.74	217.6	129.8	233.36	-	ING. PAGLIARA
UGIONE - RIO VALLELUNGA	107.81	61.90	117.6	69.5	117.3	60	BACINO TOSCANA COSTA

UGIONE - RIO VALLELUNGA	107.81	61.90	117.6	69.5	97.64	-	ALTO
UGIONE - RIO VALLELUNGA	107.81	61.90	117.6	69.5	187.06	-	CONSORZIO BONIFICA
UGIONE SBOCCO	269.8	167.4	280.55	183.89	271.11	-	ING. PAGLIARA
UGIONE SBOCCO	269.8	167.4	280.55	183.89	265.69	-	ALTO
J – MORRA FINALE	144.12	88.81	138.66	83.4	135.11	-	ALTO

Rispetto al precedente studio del 2015, si osservano differenze nei picchi di portata al massimo nell'ordine del 10% e tali modifiche sono da attribuire principalmente al differente valore del CN (aggiornato ora ai più recenti database pedologico e in tema di uso e copertura del suolo della Regione Toscana). Altro motivo di differenza è rappresentato dal fatto che nel presente studio, più correttamente, la coppia di valore  $a$  e  $n$  della curva di possibilità pluviometrica è determinata per ogni bacino sovrapponendo l'estensione dello stesso sulla carta dei valori di  $a$  e  $n$  della Regione Toscana (Figura 13), mentre nel precedente studio la coppia di valori  $a$  e  $n$  di ogni bacino era determinata per ogni topoieta ricavato dalle stazioni pluviometriche (alcuni bacini ricadevano quindi in più topoieti).

### 3.5.4 FOSSO CATERATTO

Il bacino del Fosso del Cateratto è stato oggetto di un approfondimento specifico derivante dall'indicazione fornita dal Consorzio di Bonifica Ufficio Fiumi e Fossi sull'assetto delle fognature esistente e delle altre immissioni.

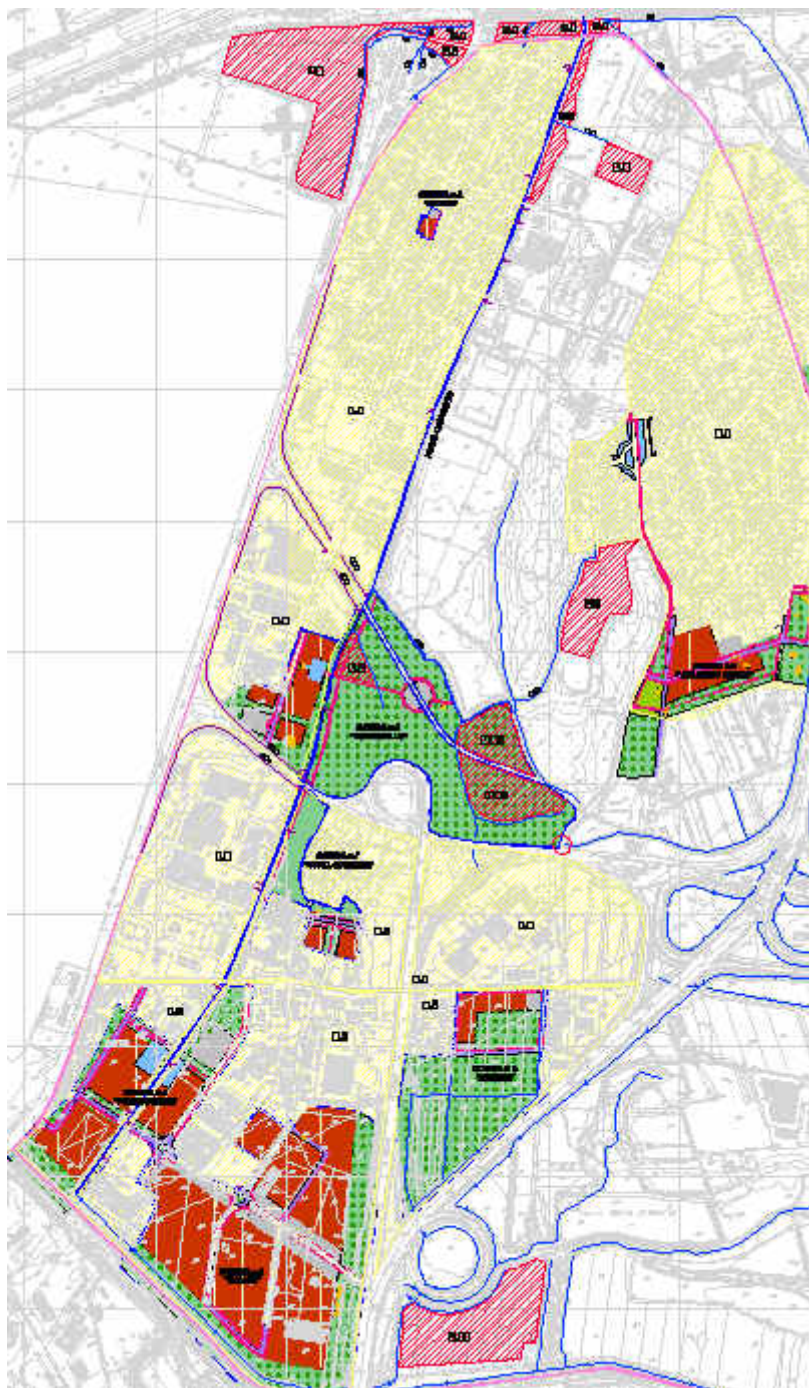


Figura 34 - Dettagli della rete di drenaggio nell'area di Stagno

L'intera area è stata suddivisa in sei sottobacini le cui caratteristiche sono indicate in Figura 35.



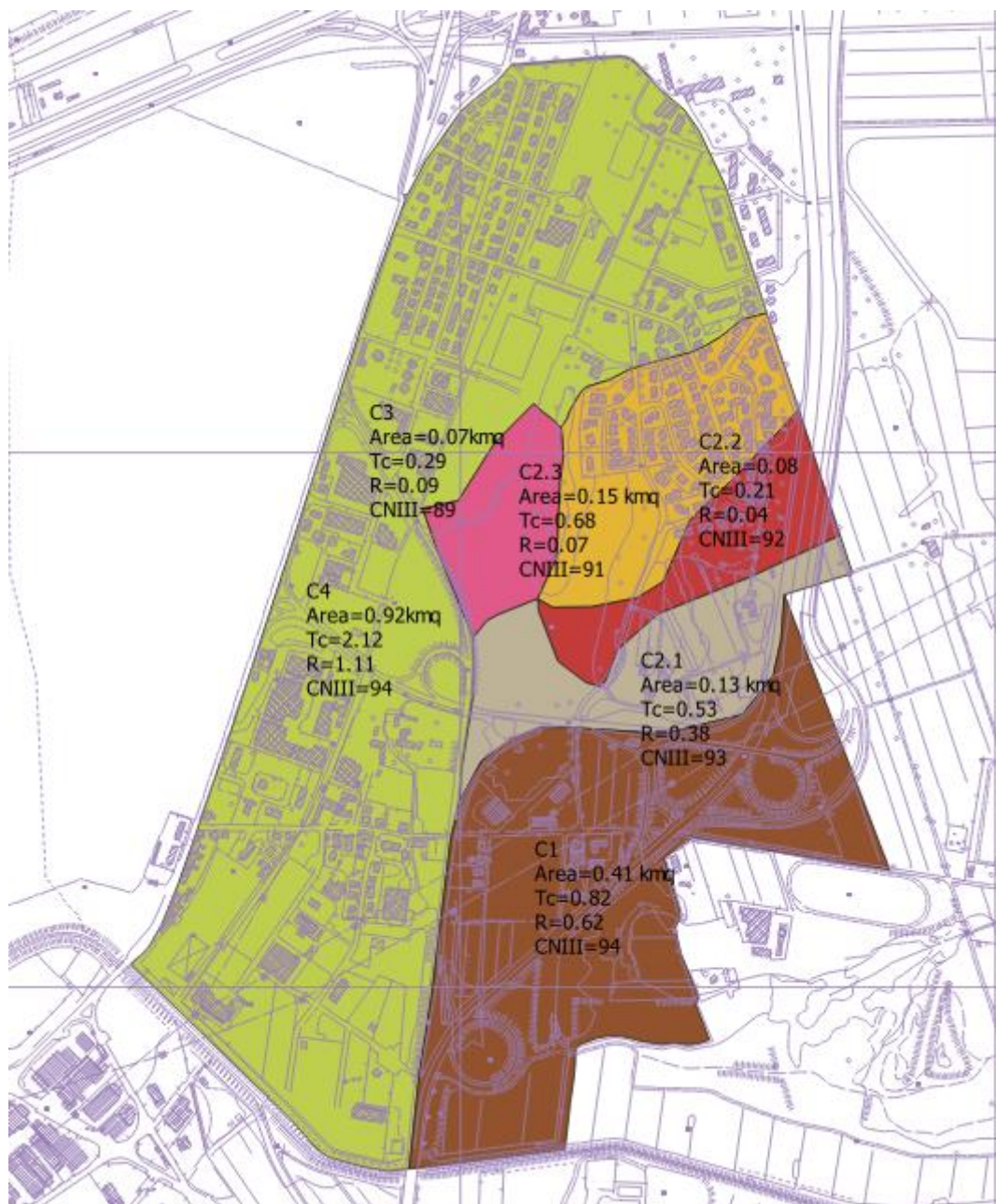


Figura 35 - Suddivisione in sottobacini dell'area afferente al Fosso Cateratto

Le modellazioni idrologiche sono state eseguite per durata  $t=2h$ , che con questa schematizzazione è risultata quella critica. Il sottobacino C4 presenta numerosi punti di immissione relativi alle condotte delle fognature dell'area urbana. Questi sono stati sintetizzati in 13 scarichi in ognuno delle quali è stato inserito 1/13 dell'intera portata afferente dal sottobacino C4.

Lo schema del modello idrologico complessivo è indicato in figura seguente.

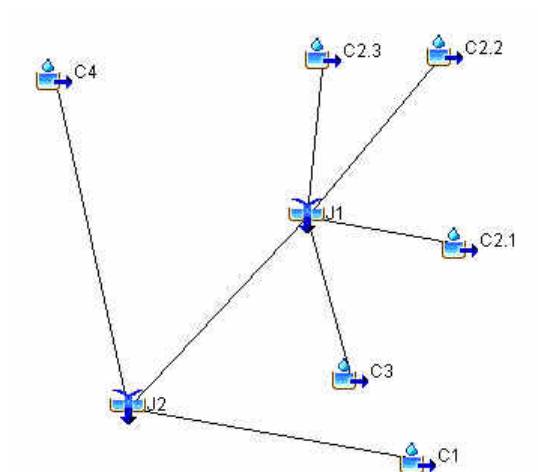


Figura 36 - schema del modello idrologico

Di seguito gli idrogrammi di piena nei punti principali del modello.

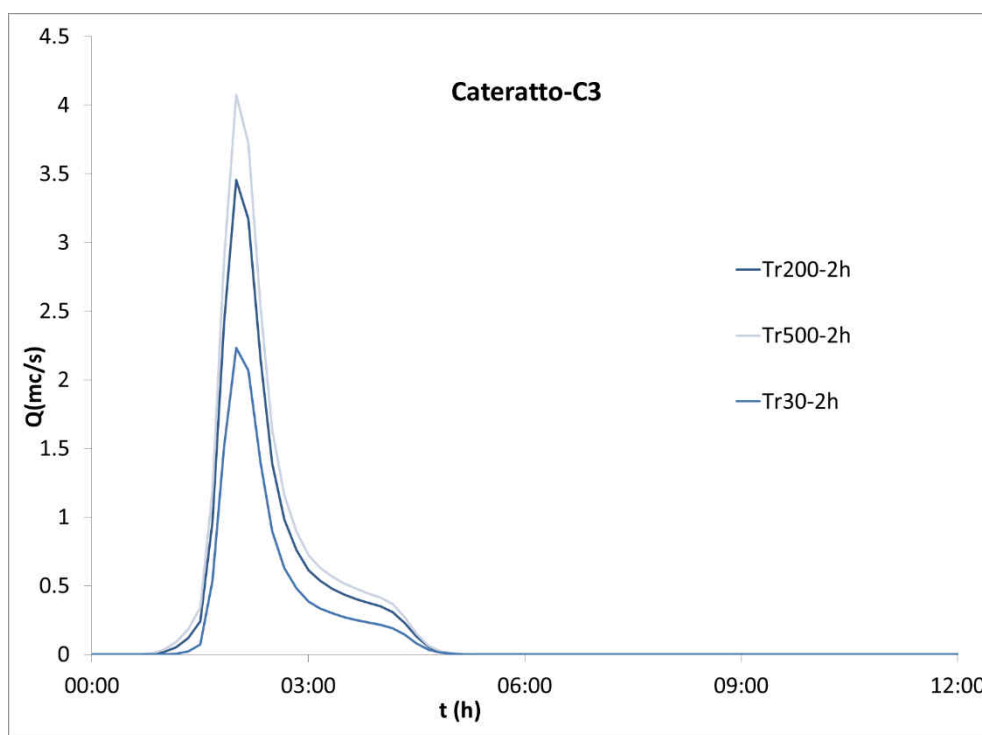


Figura 37 - idrogramma di piena area di Stagno C3

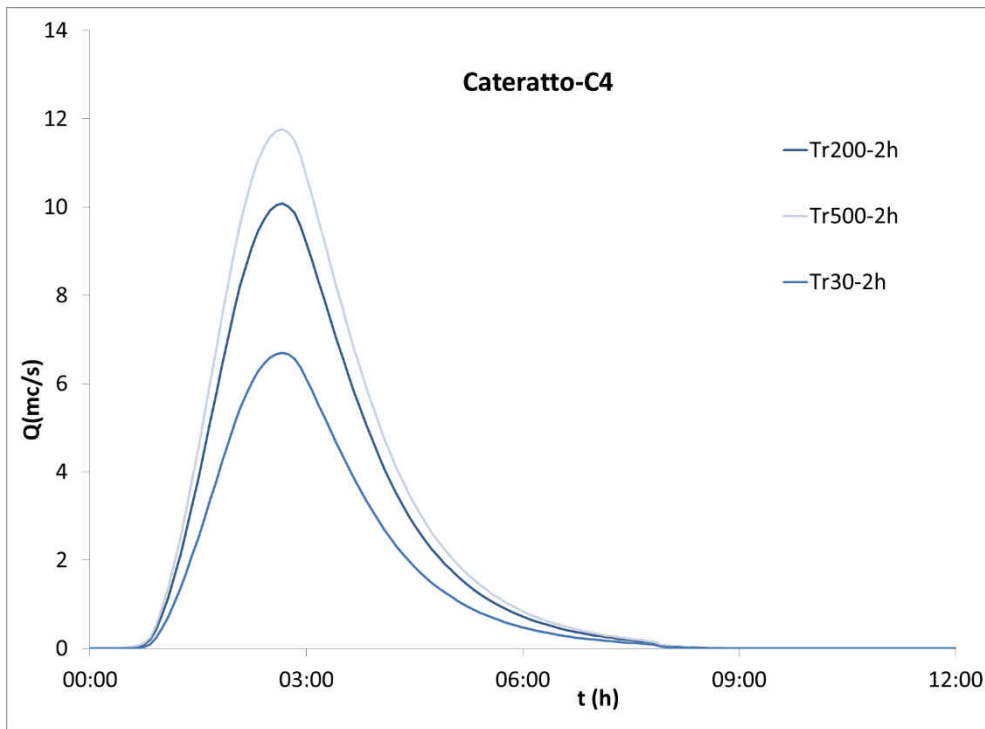


Figura 38 - idrogramma di piena bacino C4

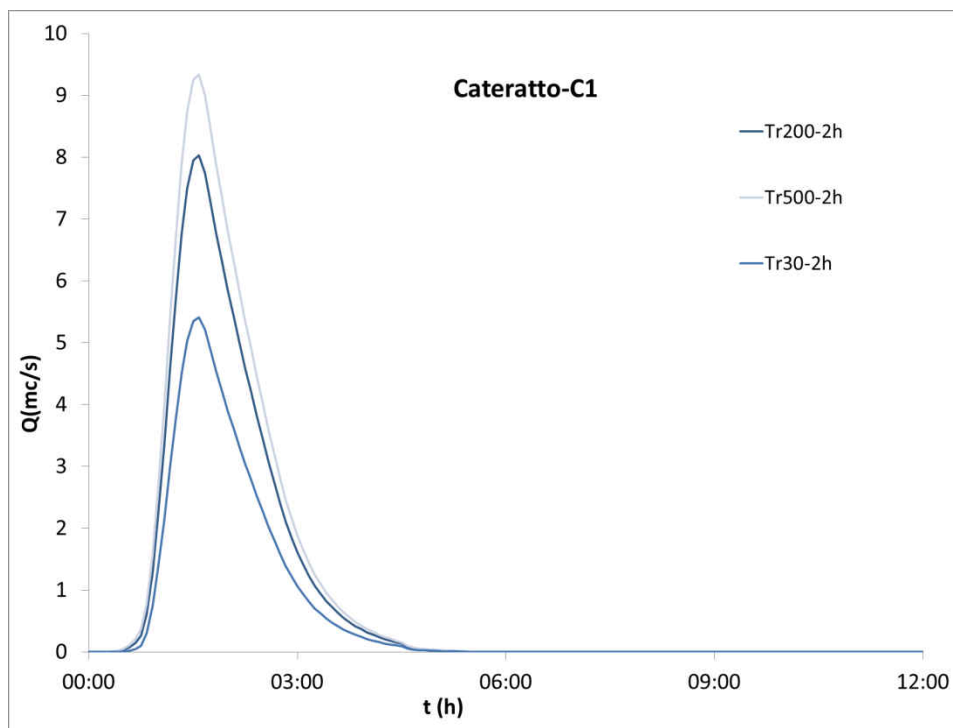


Figura 39 - idrogramma di piena bacino C1

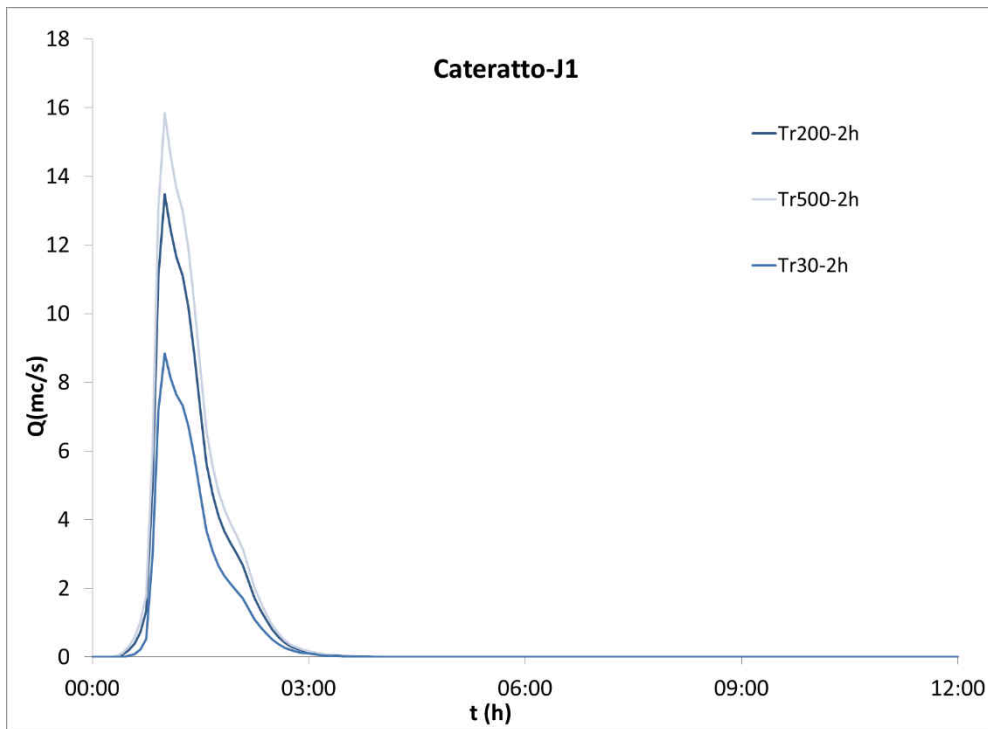


Figura 40 - idrogramma di piena alla confluenza J1

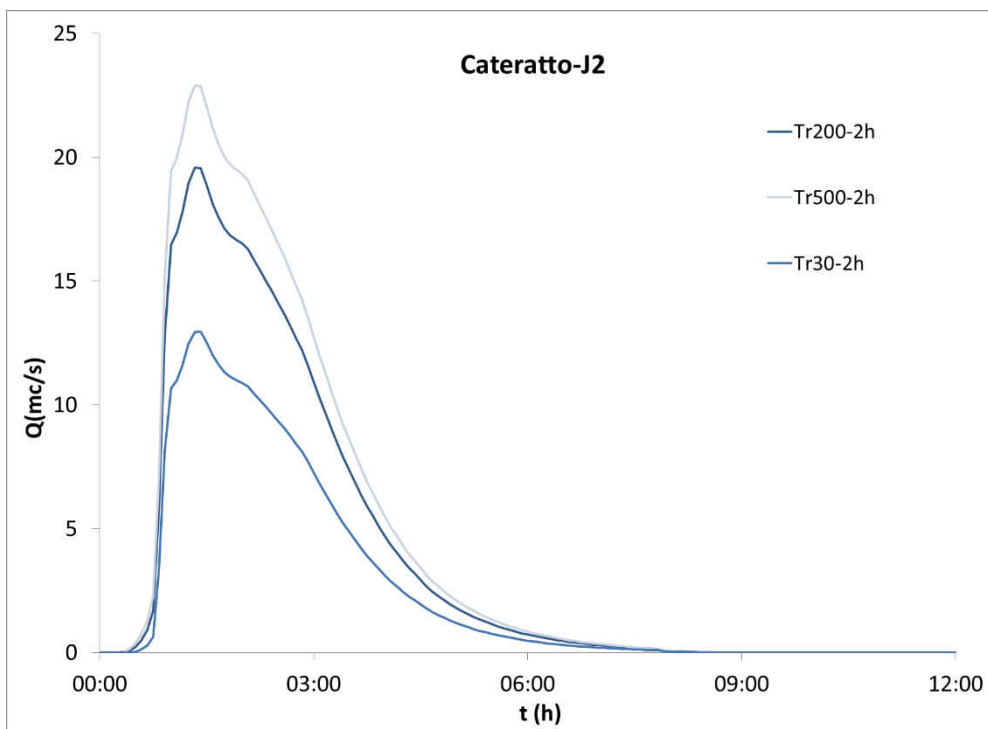


Figura 41 - idrogramma di piena alla confluenza J2

## 3.6 ALTRI CORSI D'ACQUA

Parte del territorio è attraversato da corsi d'acqua che indirettamente possono influenzare l'andamento delle esondazioni. Si tratta dell'Emissario del Bientina, del Fossa Chiara e del Canale Scolmatore dell'Arno. Di seguito si forniscono alcune indicazioni relativamente caratteristiche idrologiche ed idrauliche

### 3.6.1 EMISSARIO BIENTINA

Nello "Studio Idrologico Idraulico finalizzato al riesame delle mappe di pericolosità da alluvione del Comune di Bientina" del 2020 è condotta un'analisi conoscitiva dell'intero bacino del Canale Emissario Bientina, fino alla sezione de "la Botte", in corrispondenza della quale il corso d'acqua si interra e sottopassa il fiume Arno.

Il Canale Emissario Bientina nasce dalla confluenza tra il Canale Rogio e il Rio Navareccia, in prossimità dell'estremità nord del territorio di Bientina. Ha un bacino di 320 km<sup>2</sup>, mentre il bacino di monte, in corrispondenza della confluenza, presenta una superficie di circa 173 km<sup>2</sup>.

Da quando il Canale Emissario Bientina diventa asta principale, riceve le acque sia in destra che in sinistra idraulica da numerosi affluenti, di cui alcuni assai rilevanti.

Complessivamente possono essere individuati 31 diversi sottobacini che vanno a costituire l'intero bacino del Canale Emissario fino a "la Botte".

Le modellazioni idrologiche condotte nello studio sopra citato hanno portato alla definizione dei seguenti idrogrammi di piena per durate di 1, 2, 3, 4, 5, 6, 9, e 12 ore. Hanno stimato, in corrispondenza delle uscite dei bacini di monte, una durata che massimizza gli idrogrammi del Canale Emissario Bientina pari a 5 ore e una massima portata duecentennale per il nodo Emissario-S\_C pari a 1140 m<sup>3</sup>/s. Gli idrogrammi duecentennali relativi a tale nodo sono illustrati in Figura 42.

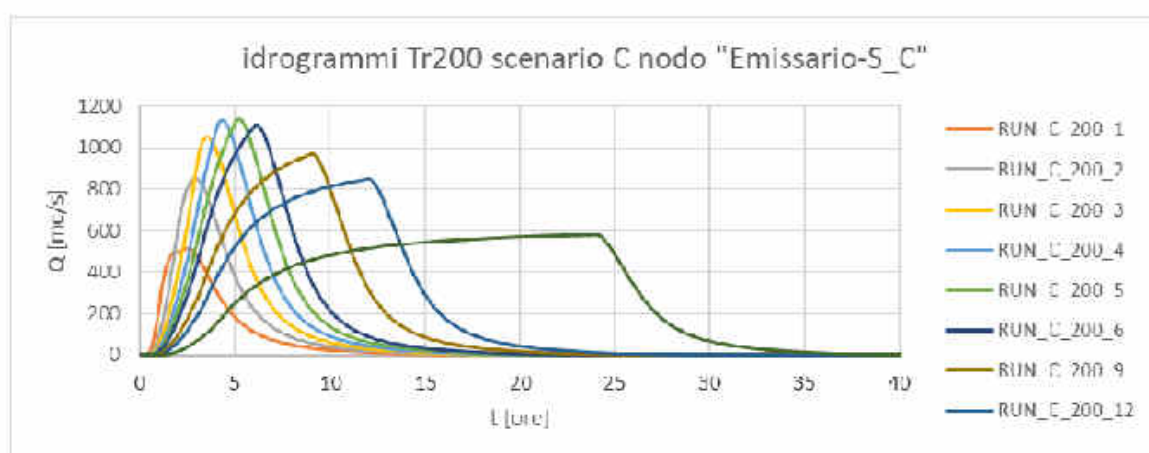


Figura 42 - idrogrammi duecentennali nodo Emissario-S\_C scenario C



La sezione di chiusura del bacino, in corrispondenza de “la Botte”, impone il passaggio di una portata di circa 85 mc/s. Questo valore, riportato nello “Studio Idrologico Idraulico di supporto al Regolamento Urbanistico del comune di Bientina” del 2009, è stato prelevato dalla documentazione messa a disposizione dalla Provincia di Pisa relativa a “la Botte” e al progetto di raddoppio della stessa (anni '70).

Il valore di portata fissato dalle botti a sifone sull’Arno si mantiene all’incirca costante fino allo sbocco del canale, data la modesta estensione del bacino tributario a valle (780 ha circa); ne segue che per il tratto di canale di interesse per l’area oggetto di studio il picco di portata in arrivo è sempre pari a 85 m<sup>3</sup>/s, per qualsiasi tempo di ritorno.

In Figura 43 si riporta l'idrogramma di piena a valle della botte per un evento ventennale, così come fornito dallo studio idraulico citato.

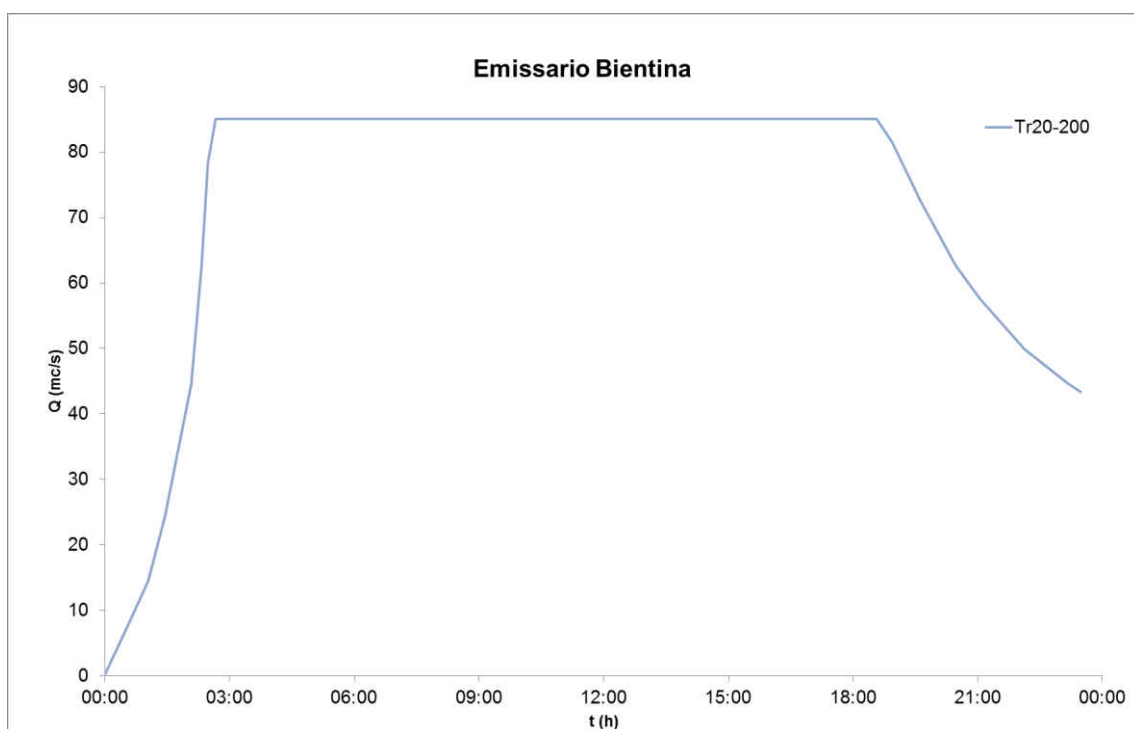


Figura 43 - idrogramma di piena a valle de "la Botte" per l'emissario del Bientina

Analogo andamento dell'idrogramma può essere considerato per tutti gli altri tempi di ritorno.

### 3.6.2 FOSSA CHIARA

Il Fossa Chiara è un canale di bonifica nel quale scaricano sia collettori di bonifica di acque basse, attraverso gli impianti idrovori della Padulella (0,5 mc/s) e dell'Arnaccio (6,5mc/s), sia canali di acque alte. Ha una lunghezza di circa 7986 m dall'origine, situata nel Comune di Calcinaia; mentre lo sbocco nel canale dei Navicelli è ubicato a poche centinaia di metri prima della confluenza con lo Scolmatore. Il suo bacino è di circa 6564 ha (di cui 2373 ha a scolo meccanico e 4191 ha a scolo naturale) e include sia aree a destinazione agricola sia vaste aree industriali attualmente in forte crescita, in particolare nei Comuni di Pisa e Cascina.

Il canale Fossa Chiara costituisce anche il recapito finale di diversi canali di drenaggio urbano nei quali scolano i centri abitati di Riglione e Fornacette compresi a cavallo della dorsale Tosco Romagnola.

Negli allegati al "Progetto Preliminare e definitivo di Adeguamento Idraulico e Navigabilità del Canale Scolmatore dell'Arno" si riporta un valore di portata, relativa ad una durata dell'evento di pioggia di 24 ore e un tempo di ritorno di 50 anni, di 15 m<sup>3</sup>/s, di cui 7 m<sup>3</sup>/s relativi agli impianti idrovori.

Secondo il citato studio il bacino del Fossa Chiara (parte a deflusso naturale) presenta una pendenza media di bacino dello 0.22%, dell'asta fluviale dello 0.1% ed un tempo di corrivazione di circa 25.92 h. La costante di invaso per il metodo di Clark risulta pari a R=26h.

Considerando che il bacino è prevalentemente interessato da terreni agricoli irrigati, corrispondenti al codice Land Corine 212 e alla categoria del suolo B, risulta attribuibile un valore CN(II)=78 (da "Modellazione idrologica caso pilota. Implementazione modello distribuito per la Toscana MOBIDIC" Fabio Castelli) corrispondente a CN(III)=89.

La portata massima stimata con la metodologia del presente studio (ietogramma Chicago e condizioni AMC=III) assume valori variabili tra 39.9 m<sup>3</sup>/s per Tr=30 anni e 70.6 m<sup>3</sup>/s per Tr=500 anni. A tutti gli idrogrammi deve essere aggiunto il contributo delle idrovore che può essere stimato costante e pari a circa 7 m<sup>3</sup>/s ottenendo i valori della seguente tabella:

Tabella 17: portate di picco per il Fossa Chiara per diversi tempi di ritorno.

BACINO	Tr30	Tr200	Tr500
FOSSA CHIARA	39.95	60.51	70.62

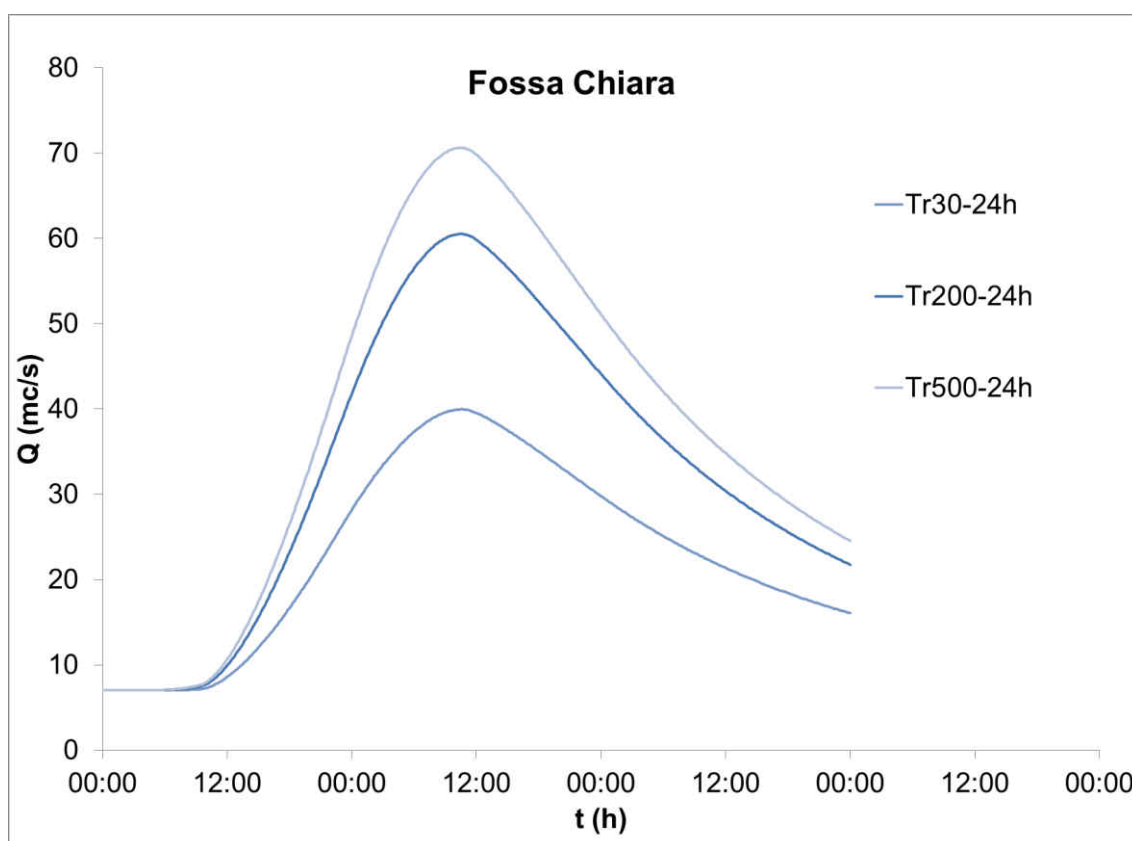


Figura 44 - Idrogramma di piena del Fossa Chiara

### 3.6.3 SCOLMATORE DELL'ARNO

Il canale Scolmatore presenta una lunghezza complessiva di 28,3 km sviluppandosi in sinistra idrografica dell'Arno. Dalla presa, costituita da una soglia sfiorante posta subito a valle della confluenza dell'Era con l'Arno, segue la direzione Sud-Ovest, fino a sfociare in mare circa 1 km a Nord del porto di Livorno. In merito allo Scolmatore, si è seguita la medesima trattazione già riportata nello studio del 2015, salvo l'aggiornamento di alcuni valori di portata derivanti dal presente studio.

#### 3.6.3.1 Studi precedenti

Al momento della realizzazione dello Scolmatore d'Arno era stata ipotizzata una portata di progetto complessiva pari a  $1.400 \text{ m}^3/\text{s}$ , di cui  $500 \text{ m}^3/\text{s}$  provenienti dai comprensori di Fucecchio e Bientina e  $900 \text{ m}^3/\text{s}$  derivabili dal Fiume Arno. Gli affluenti principali sono il Canale di Usciana, il Fosso Zannone, i torrenti Rotina, Rio Pozzino e Riopozzale, il T. Orcina, il T. Crespina, il Fossa Nuova Meridionale, il Canale dei Navicelli e gran parte dei corsi d'acqua oggetti del presente studio: T. Tora, F. Isola, F. Acquisalsa-Acquechiare, F. Torretta-Antifossetto, Fossa Chiara, Emissario Bientina, Fossa Nuova. Come indicato nel progetto di adeguamento dello Scolmatore della Provincia di Pisa, la capacità di deflusso dello Scolmatore risulta variabile lungo l'asta. Nel tratto di monte e fino alla confluenza del

Fosso Zannone-Crespina, infatti, è stimata in 1.400 m<sup>3</sup>/s (coincidente con il valore di progetto originario) mentre a valle di tale confluenza e fino all'immissione del Tora la capacità di deflusso diminuisce fino ad un minimo di 900 m<sup>3</sup>/s per poi aumentare dalla confluenza della Fossa Nuova fino all'immissione in mare dove può essere stimata in 1.000 m<sup>3</sup>/s.

Dal suddetto studio sono state estrapolate le portate scolmate dall'Arno nel Canale Scolmatore presso l'opera di presa, riportate nei seguenti grafici:

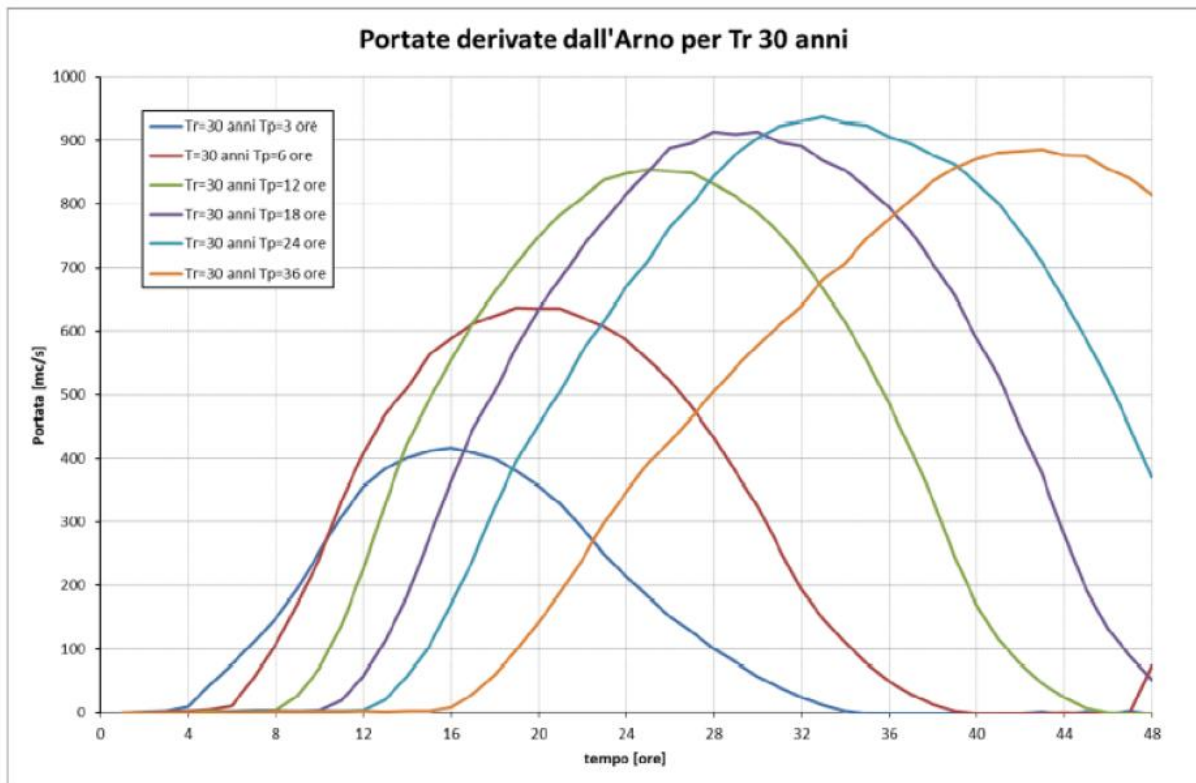


Figura 45. – Idrogrammi di portata derivata nello Scolmatore per Tr30 per tempi di pioggia di 3, 6, 12, 18, 24 e 36 ore

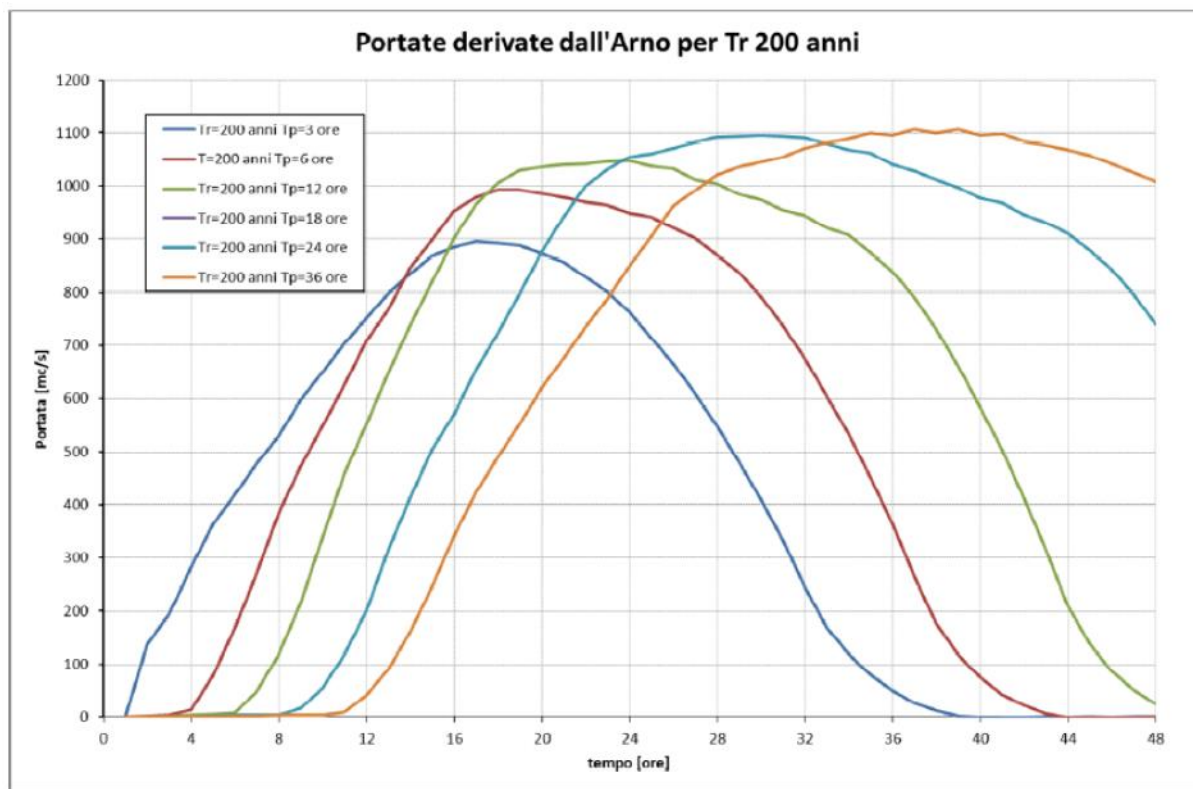


Figura 46. – Idrogrammi di portata derivata nello Scolmatore per Tr200 per tempi di pioggia di 3, 6, 12, 18, 24 e 36 ore

Successivamente si riportano le portate di picco per ciascun tratto dello Scolmatore, tenendo conto progressivamente dell'immissione degli affluenti procedendo dalla testa del canale fino al mare, per diversi tempi di ritorno e di pioggia.

Per quanto riguarda l'apporto dovuto solo agli affluenti, il contributo si massimizza per durate di pioggia di 24 h, comunque inferiori al tempo di corrivazione dei singoli bacini esaminati che hanno durate critiche inferiori a 6h. Si riportano nelle seguenti tabelle i valori di picco dei relativi idrogrammi:

Tabella 18: portate nello Scolmatore dell'Arno senza il contributo delle portate derivate dall'Arno per Tr=30 anni.

TRATTO	Tp=3h	Tp=6h	Tp=12h	Tp=24h	Tp=36h
TRA ORCINA ED ISOLA	257	411	620	508	413
TRA ISOLA E TORA	268	427	686	540	437
TRA TORA E FOSSA NUOVA	350	529	855	644	552
TRA FOSSA NUOVA ED EMISSARIO	363	547	885	672	551
TRA EMISSARIO E FOCE	552	754	1134	907	786

Tabella 19: portate nello Scolmatore dell'Arno senza il contributo delle portate derivate dall'Arno per  $T_r=200$  anni.

TRATTO	Tp=3h	Tp=6h	Tp=12h	Tp=24h	Tp=36h
TRA ORCINA ED ISOLA	429	600	678	602	579
TRA ISOLA E TORA	463	656	788	658	621
TRA TORA E FOSSA NUOVA	643	832	1059	817	744
TRA FOSSA NUOVA ED EMISSARIO	781	860	1106	863	787
TRA EMISSARIO E FOCE	1150	1103	1444	1165	1067

Di conseguenza sono state ottenute le seguenti tabelle relativamente alle piene combinate tra bacini propri dello Scolmatore e portate derivate dall'Arno:

Tabella 20: portate nello Scolmatore dell'Arno con il contributo delle portate derivate dall'Arno per  $T_r=30$  anni.

TRATTO	Tp=3h	Tp=6h	Tp=12h	Tp=24h	Tp=36h
TRA ORCINA ED ISOLA	534	802	1146	1221	1192
TRA ISOLA E TORA	534	802	1148	1223	1197
TRA TORA E FOSSA NUOVA	551	821	1178	1271	1256
TRA FOSSA NUOVA ED EMISSARIO	560	833	1199	1294	1279
TRA EMISSARIO E FOCE	721	1002	1393	1498	1486

Tabella 21: Portate nello Scolmatore dell'Arno con il contributo delle portate derivate dall'Arno per  $T_r=200$  anni.

TRATTO	Tp=3h	Tp=6h	Tp=12h	Tp=24h	Tp=36h
TRA ORCINA ED ISOLA	1051	1278	1542	1626	1672
TRA ISOLA E TORA	1051	1278	1543	1672	1710
TRA TORA E FOSSA NUOVA	1068	1302	1566	1814	1828
TRA FOSSA NUOVA ED EMISSARIO	1145	1320	1595	1854	1867
TRA EMISSARIO E FOCE	1412	1510	1807	2122	2131

Il citato progetto di sistemazione del Fiume Arno della Provincia di Pisa non fornisce l'andamento delle onde di piena per tutti i tratti interessati, in particolare per quanto concerne il comportamento misto dello Scolmatore con l'Arno.



### 3.6.3.2 Studio attuale

Dati sulle onde di piena sono stati forniti dall'Autorità di Bacino dell'Arno, che hanno indicato le portate prelevate dalle paratoie a Pontedera per eventi di durata di 24 e 36 h e tempo di ritorno 30 e 200 anni.

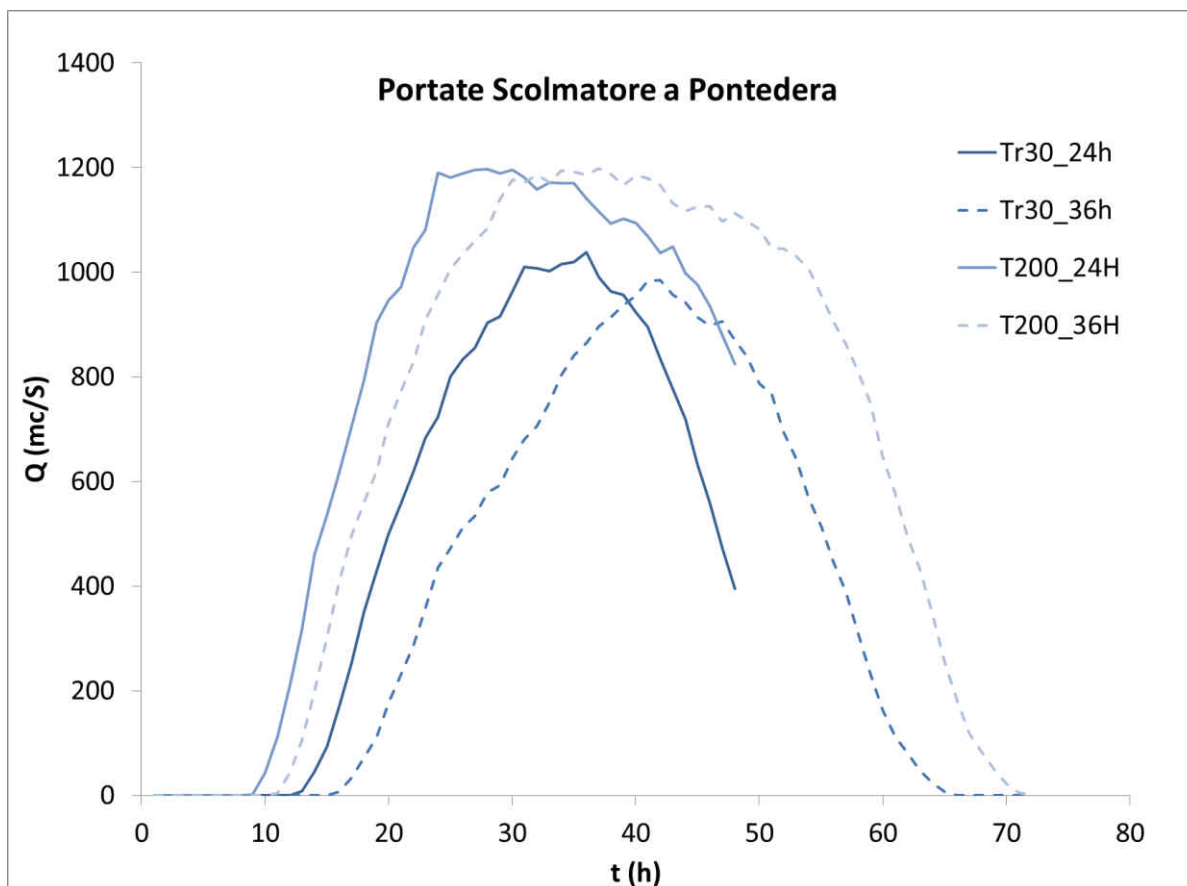


Figura 47 - portate prelevate dalle paratie a Pontedera per vari tempi di ritorno

Oltre a questi dati sono stati forniti anche quelli del canale Usciana per le stesse durate e tempi di ritorno. Il contributo è da sommarsi a quello proveniente dal Fiume Arno direttamente in testa al Canale Scolmatore.

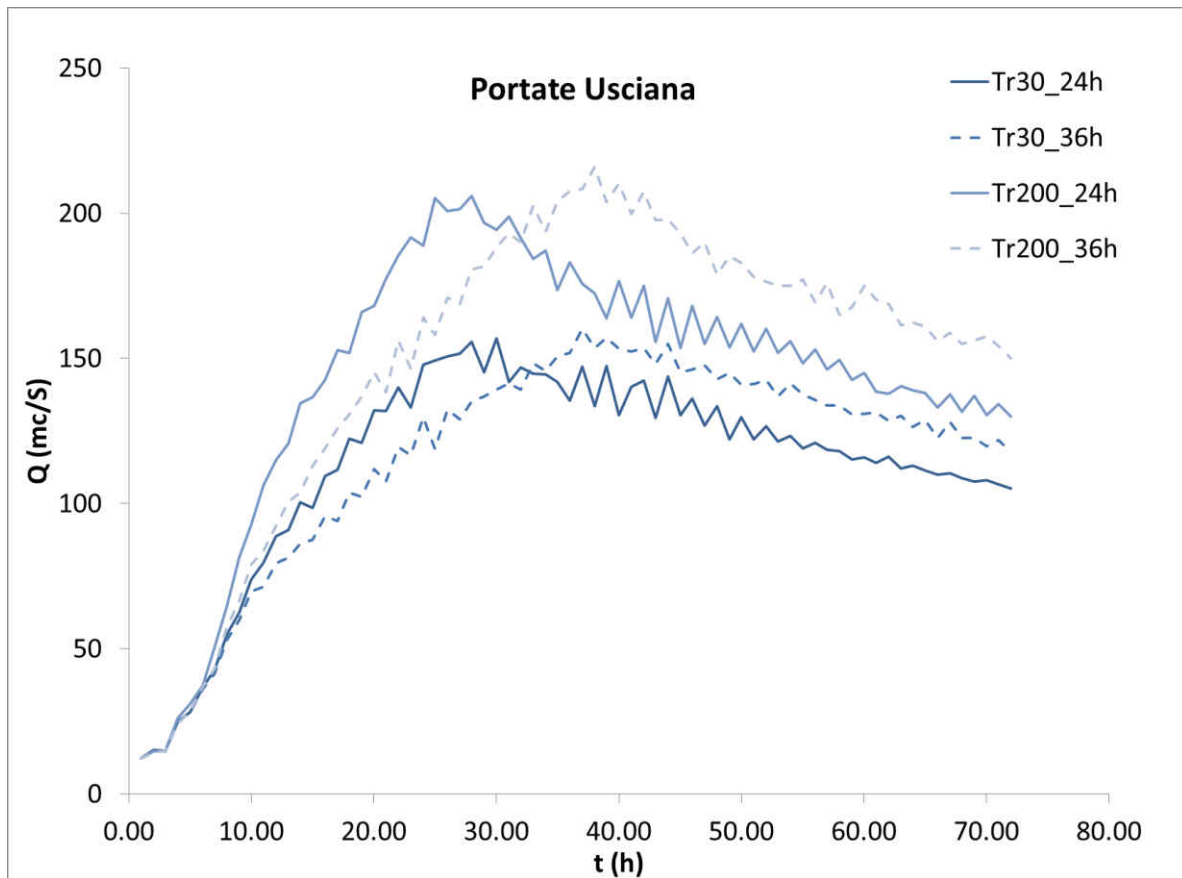


Figura 48 - contributo del canale Usciana per Tr=30 e Tr=200 anni

Procedendo verso valle si ha una serie di contributi i cui dati sono stati ricavati da studi esistenti e da elaborazioni specifiche. In particolare sono stati applicati modelli idrologici per piogge relative alle durate e ai tempi di ritorno indicati in precedenza. Tali modelli sono stati basati su pluviometrie della Regione Toscana e ietogrammi ad intensità costante.

Per Fossa Nuova, Torrente Tora, Torrente Isola, Emissario Bientina e Fossa Chiara si fa riferimento ai capitoli precedenti del presente studio; per gli altri contributi sono stati considerati i dati riportati nello *Studio idrologico-idraulico del territorio comunale di Crespina* ad opera dell'Ing. Lucia.

Tabella 22: parametri idrologici di alcuni affluenti dello Scolmatore.

BACINO	SUPERFICIE (km <sup>2</sup> )	CN	TC (h)	R (Clark)	Pluviometro (topoiето di riferimento)	Fonte
Orcina	5.23	86	1.24	-	Pontedera	Studio Ing. Lucia
Crespina	14.6	83	3.47	-	Pontedera	Studio Ing. Lucia
Zannone	20.3	84	2.35	-	Pontedera	Studio Ing. Lucia

Sono stati poi considerati i contributi dei vari impianti idrovori che scaricano nello Scolmatore (quasi tutti indirettamente, attraverso il Fossa Chiara e l'Emissario del Bientina). Il contributo di detti impianti è stato considerato costante nel tempo, procedendo così in via cautelativa.

Tabella 23: portate degli impianti idrovori.

IDROVORA	PORTATA (mc/s)
Ragnaione	13.6
Padulella	0.5
Interporto	15
Pisa sud	12
Calambrone	4.2
La Vettola	3.75
Aeroporto	9
TOTALE	58.05

Gli idrogrammi di piena sono riportati nelle figure che seguono.

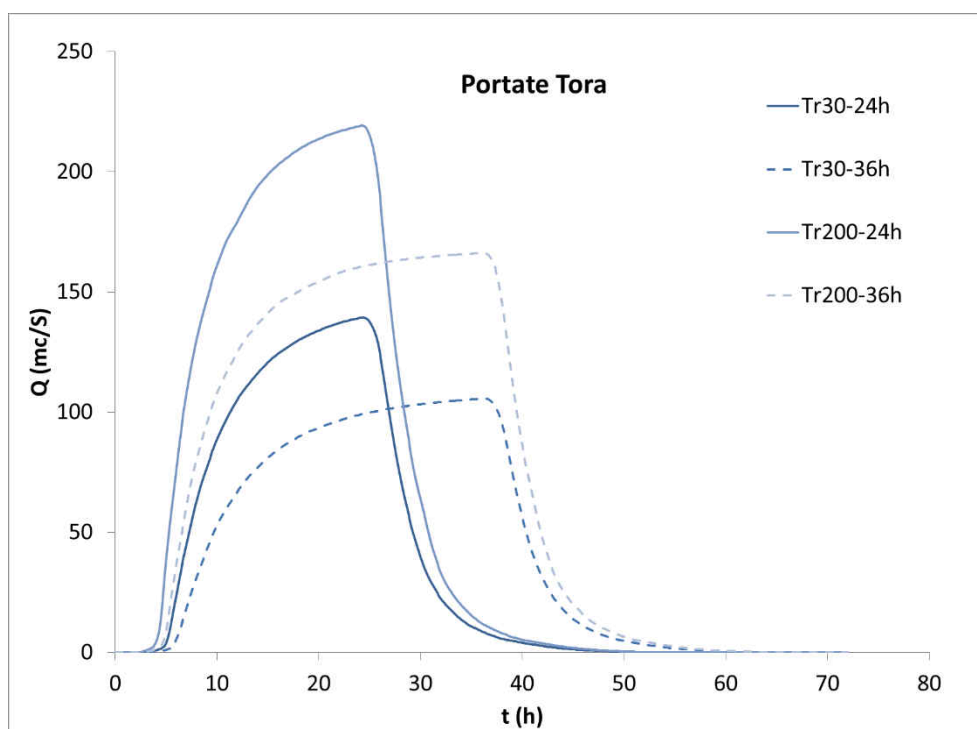


Figura 49 - contributo del canale Usciana per Tr=30 e Tr=200 anni

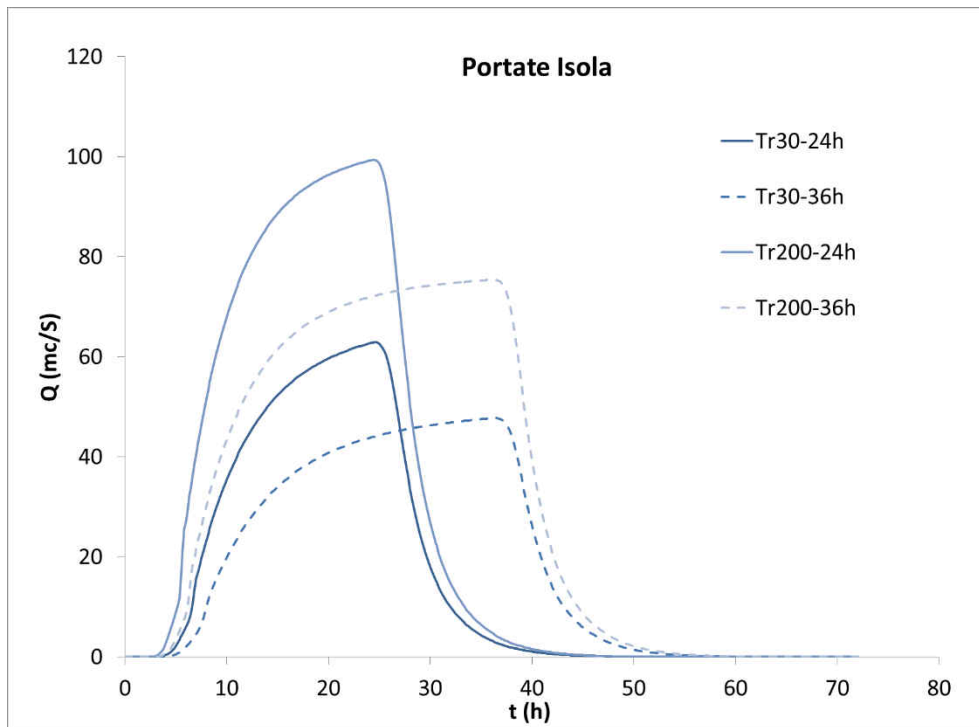


Figura 50 - contributo del canale Usciana per  $Tr=30$  e  $Tr=200$  anni

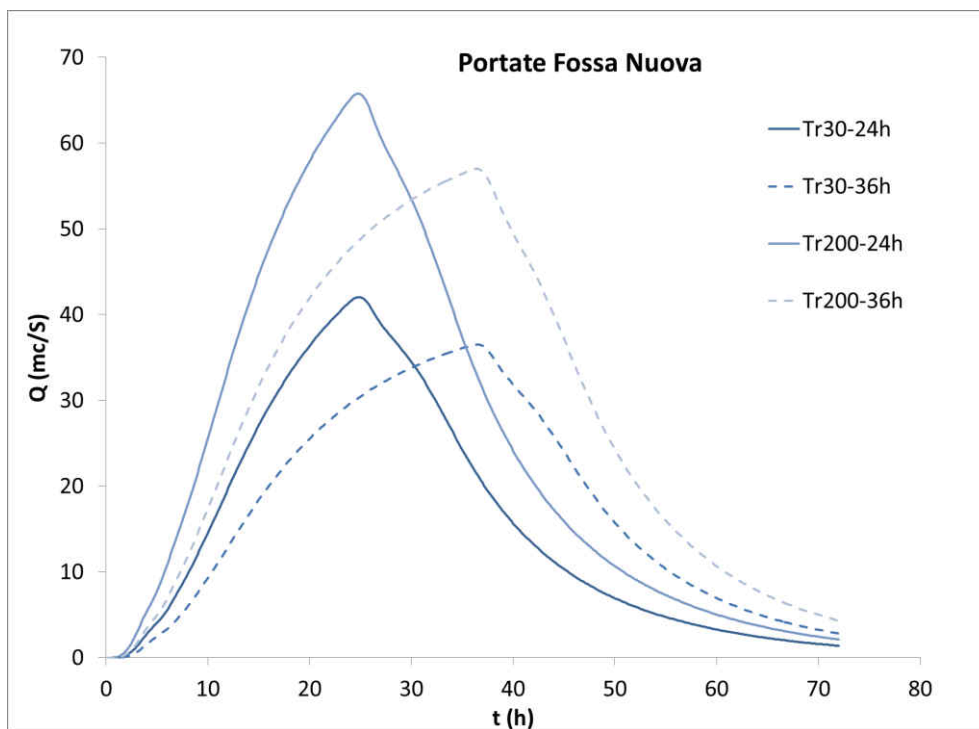


Figura 51 - contributo del canale Usciana per  $Tr=30$  e  $Tr=200$  anni

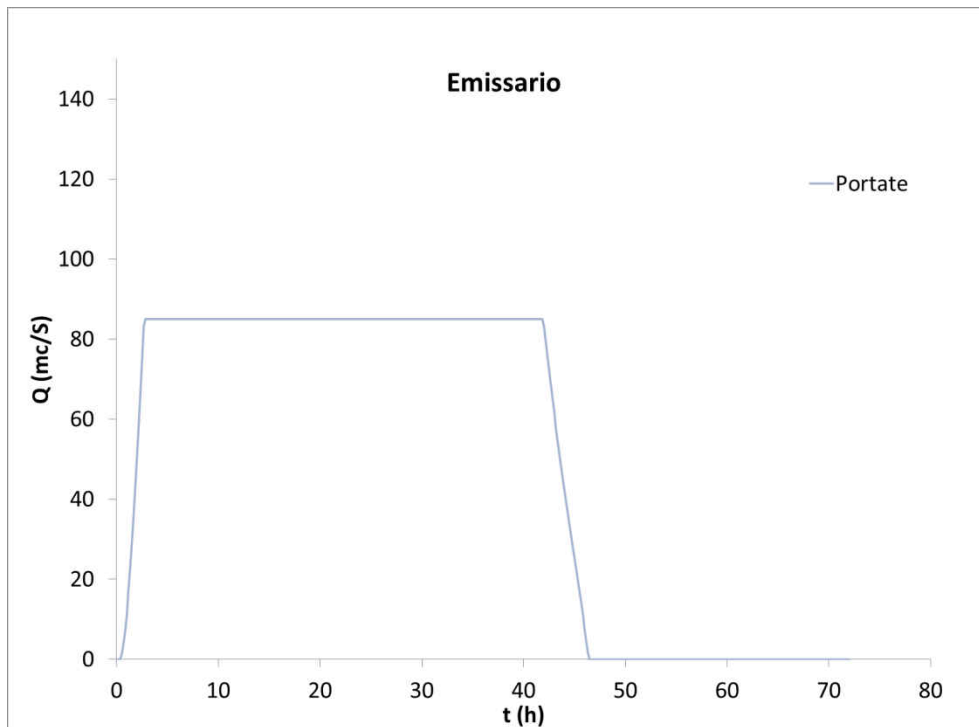


Figura 52 - contributo del canale Usciana per  $Tr=30$  e  $Tr=200$  anni

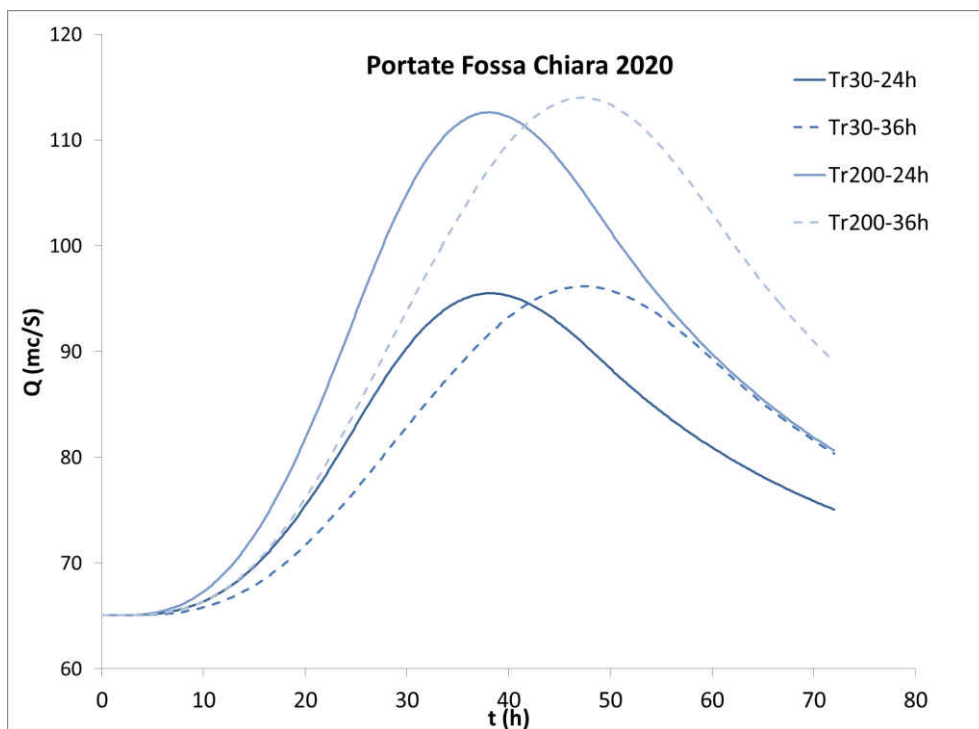


Figura 53 - contributo del canale Usciana per  $Tr=30$  e  $Tr=200$  anni

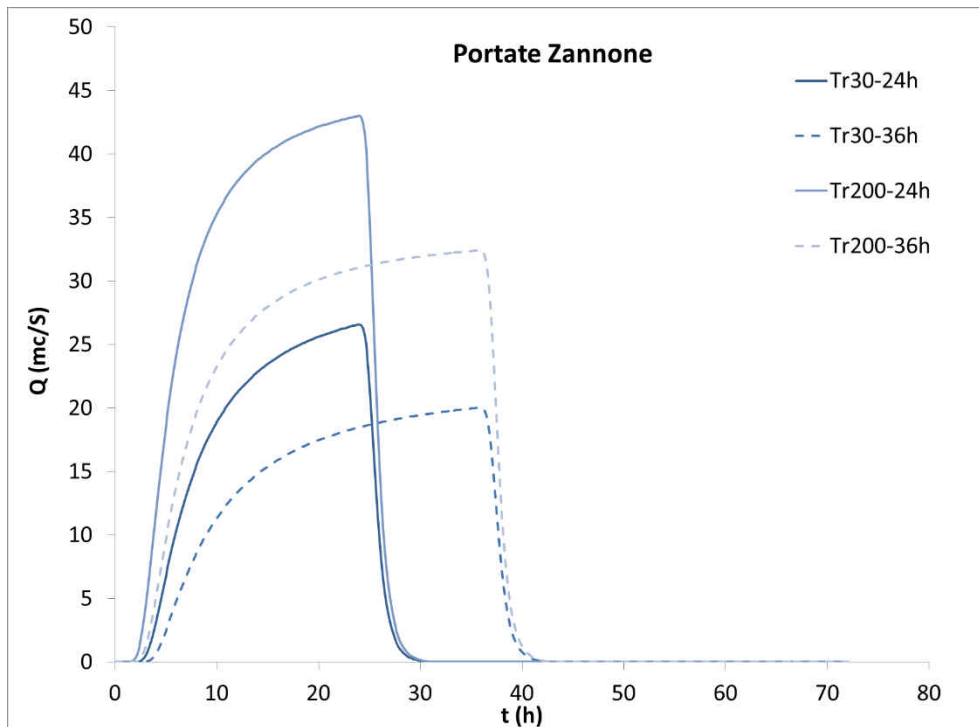


Figura 54 - contributo del canale Usciana per  $Tr=30$  e  $Tr=200$  anni

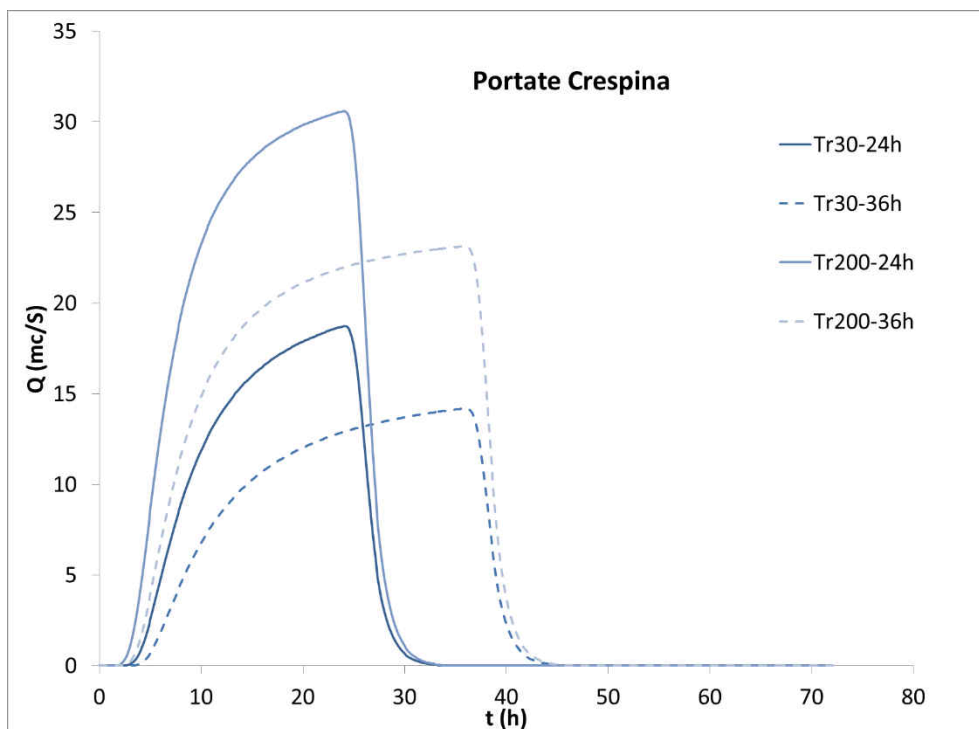


Figura 55 - contributo del canale Usciana per  $Tr=30$  e  $Tr=200$  anni



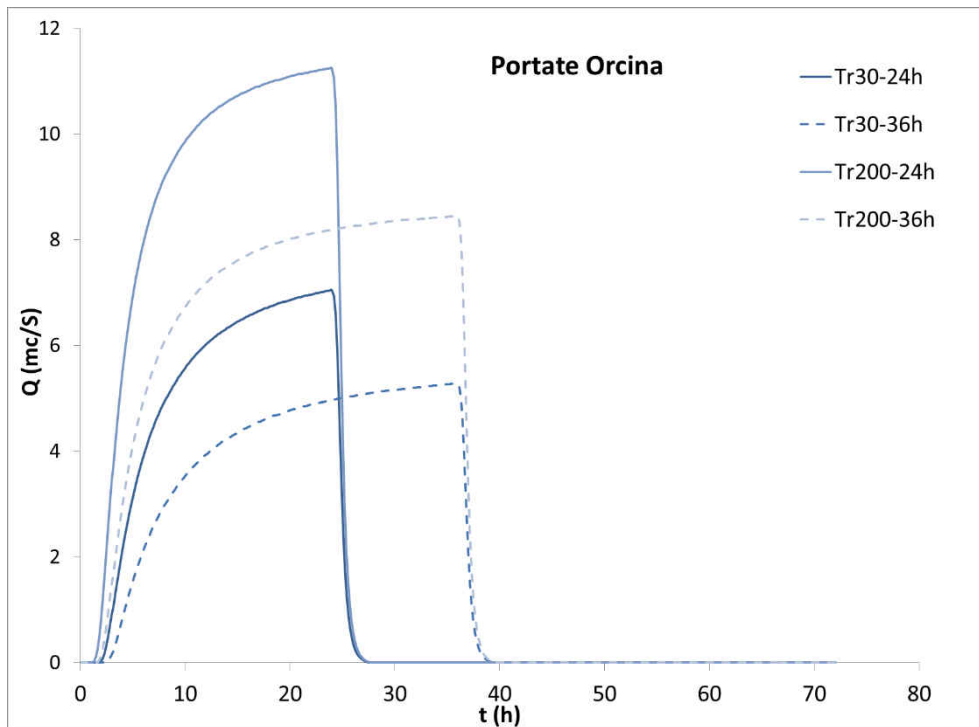


Figura 56 - contributo del canale Usciana per  $Tr=30$  e  $Tr=200$  anni

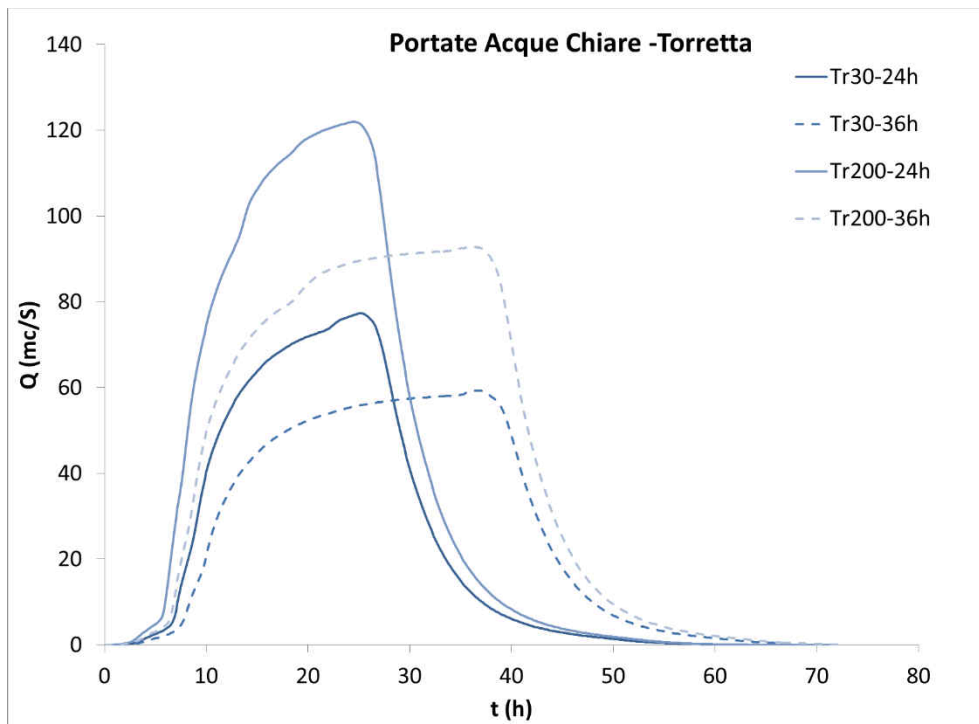


Figura 57 - contributo del canale Usciana per  $Tr=30$  e  $Tr=200$  anni

Si riportano i valori riassuntivi delle portate nei vari tratti ricavati dal progetto definitivo dello Scolmatore dell'Arno e nel presente studio. In particolare, i valori massimi per tempo di ritorno di 30 anni si sono registrati per le durate di 36h (tranne che per il tratto tra Isola e Tora) mentre per i 200 anni si sono registrati per le durate di 24h.

Tabella 24: confronto delle portate.

TRATTO	PROGETTO SCOLMATORE		PRESENTE STUDIO	
	Tr=30	Tr=200	Tr=30 - 36h	Tr=200 - 24h
TRA ISOLA E TORA	1223	1710	1176	1563
TRA TORA E FOSSA NUOVA	1271	1828	1240	1782
TRA FOSSA NUOVA ED EMISSARIO	1294	1867	1277	1847
TRA EMISSARIO E FOCE	1498	2131	1512	2145

Tuttavia, ai fini della massimizzazione dei volumi, in modellazione sono state inserite le portate relative ai tempi di ritorno di Tr30 e Tr200 per durate di 36h.

## 4. STUDIO IDRAULICO

Lo studio idraulico è condotto sia con modello monodimensionale in moto permanente implementato nel software HEC-RAS, sia con analisi bidimensionale TuFlow® in condizioni di moto vario, su base topografica da dati Lidar.

### 4.1 CONDIZIONI AL CONTORNO

Le condizioni al contorno adottate per lo studio sono le seguenti:

- corsi d'acqua con sbocco diretto a mare: elevazione marina pari a 0.8 m per tenere conto dell'effetto delle mareggiate e delle condizioni barometriche sfavorevoli;
- tratti di corsi d'acqua isolati: scala di deflusso a condizioni di moto uniforme determinata con l'equazione di Manning;
- condizioni di livello liquido nello Scolmatore del F. Arno al massimo della capacità corrispondente alla portata di circa 900 mc/s;
- condizioni di completa uscita dai bordi della griglia (comunque esterna ai confini comunali).

Lo studio è stato condotto per i seguenti corsi d'acqua nel territorio vallivo:

- Torrente Isola compreso T. Tavola
- Torrente Tora e Torrente Tanna e Nugola
- Fosso Acquasalsa-Acquechiare
- Fosso Torretta comprensivo di Antifossetto di Fattoria, Antifossetto, Fosso Fologno, Fosso Fontino, Fosso Lenze, Fosso Tora Vecchia e Fosso di Marignano
- Torrente Ugione
- Fosso Cateratto
- Colatori rete Interporto compreso Fosso Chiaviche Est
- Emissario Bientina
- Fosso Acque Chiare
- Rete area Biscottino
- Fossa Nuova
- Emissario Bientina
- Fossa Chiara
- Scolmatore dell'Arno

## 4.2 ANALISI IN MOTO PERMANENTE

L'analisi in moto permanente è stata eseguita utilizzando il codice di calcolo HEC-RAS, in grado di fornire i profili liquidi dei vari corsi d'acqua. La procedura di calcolo si basa sulla soluzione dell'equazione dell'energia, con perdite di carico valutate mediante l'equazione di Manning. Il coefficiente di Manning assunto per lo studio in esame pari a  $n=0.03$ , corrispondente a canali in terra in non buone condizioni di manutenzione.

L'analisi idraulica monodimensionale è stata condotta considerando l'interazione tra i vari corsi d'acqua che presentano confluenze ed in particolare l'influenza, in termini di rigurgito, del Canale Scolmatore su alcuni di essi (Isola, Tora, Torretta e Acquechiare-Acquasalsa). Nel dettaglio, sono state estrapolate scale di deflusso nelle sezioni finali dei principali immissari, ottenute considerando nello Scolmatore una portata costante pari a 900 mc/s; tali scale di deflusso sono state poi assunte come condizioni al contorno di valle per le successive simulazioni bidimensionali. A titolo esemplificativo, si riporta in Figura 58 il caso corrispondente al Fosso Acquasalsa.

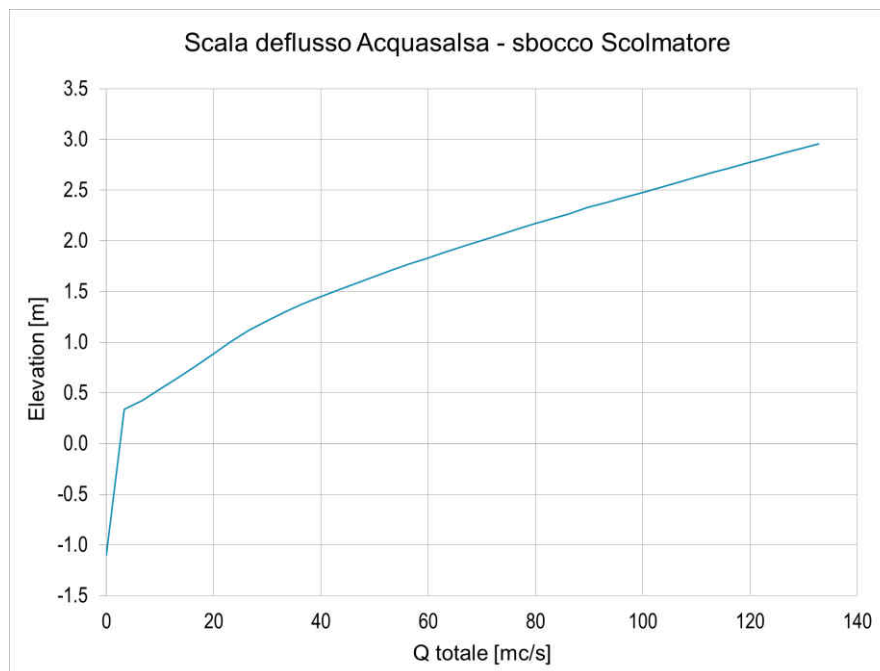


Figura 58 - Scala deflusso alla sezione terminale del F. Acquasalsa

Da sottolineare che l'effetto di rigurgito indotto dallo Scolmatore ha effetto per tratti limitati (circa 500 m) a monte delle confluenze. Nei paragrafi successivi si riportano i risultati ottenuti al termine della simulazione, realizzata considerando le aste fluviali di maggior interesse idraulico.

Per i corsi d'acqua regolati da pompe di sollevamento si è fatto riferimento ad una condizione al contorno di moto uniforme con pendenza di fondo pari a 0.005.

#### 4.2.1 RISULTATI RELATIVI AI CORSI D'ACQUA DEL BACINO

La simulazione idraulica è stata effettuata per tempi di ritorno pari a 30, 200 e 500 anni (Figura 59).



Figura 59 - Aste fluviali del Bacino

Le portate assunte nei vari tratti sono riportate nella seguente tabella:

Tabella 25: portate assunte in modellazione idraulica.

River	Reach	RS	Tr30	Tr200	Tr500
A.Salsa	A.Salsa	365	13.49	21.9	26.15
A.Salsa	A.Salsa	342	15.31	37.06	53.53
A.Salsa	A.Salsa	309	34.88	67.79	89.82
A.Salsa	A.Salsa	233	48.56	103.39	132.66
A.Salsa	A.Salsa	115	48.56	103.39	132.66
A.Salsa	A.Salsa	104	44.83	98.8	126.79
A.Salsa	A.Salsa	14.7	49.98	104.99	132.84
Antifossetto	Grecciano	76	26.42	40.9	48.05
Antifossetto	Grecciano	66	32.14	49.62	58.27
Antifossetto	Antifossetto	58	55.05	85.66	100.82
Antifossetto	Antifossetto2	12	81.02	127.43	150.46
Cateratto	Cateratto	113	12.96	19.57	22.9
Chiaviche Est	Chiaviche Est	133	3.91	5.91	6.91
Chiaviche Est	Chiaviche Est	7	9.98	14.88	17.32
E. Bientina	E. Bientina	40	85	85	85
F. Chiara	F. Chiara	32	39.96	60.52	70.63
F.Fattoria	F.Fattoria Monte	1027	8.7	13.49	15.88
F.Fattoria	F.Fattoria Monte2	109	36.32	55.36	64.8
F.Fattoria	F.Fattoria V1	24	51.98	78.96	92.36
Fontino	Fontino	16	17.08	26.07	30.52
Fosso Fologno	Fosso Fologno	42	10.06	15.08	17.59
Fosso Fologno	Fosso Fologno	36	11.25	16.97	19.83
Fosso Fologno	Fosso Fologno	32.1	12.7	19.13	22.33
Fosso Fologno	Fosso Fologno	24	20.43	30.91	36.17
Fosso Fologno	Fosso Fologno	14	23.44	35.39	41.35
Interporto	Colatore Nord	68	8.46	12.85	15.04
Interporto	Colatore Nord	63	18.19	27.48	32.16
Interporto	Colatore Nord2	75	9.73	14.63	17.11
Interporto	Colatore Nord1	59	21.91	33.05	38.65
Interporto	Colatore Sud	32	1.95	2.97	3.49
Interporto	Colatore Sud	22	3.83	5.79	6.77
Interporto	Colatore Sud	16	10.86	16.23	18.91
Interporto	Colatore Sud	15	13.08	19.6	22.86
Interporto	Colatore Ovest	51	2.2	3.36	3.94
Isola	Isola	39	82.18	135.69	162.5
Isola	Isola2	30	101.73	168.36	202.7
Lenze	Lenze	18	4.73	7.24	8.48



Lenze	Lenze	12	7.84	11.98	14.03
Marignano	Marignano1	23	3.87	5.88	6.87
Marignano	Marignano Monte	30	12.8	19.45	22.74
Marignano	Marignano Valle	17	20.21	30.68	35.87
Marignano	Marignano Valle	11	25.32	38.45	44.96
Marignano	Marignano2	5	22.49	34.44	40.37
Marignano	Marignano3	1.9	39.56	60.51	70.89
Puzzolente	Puzzolente	7	49.95	87.87	108
Scolmatore	Scolmatore	93	900	900	900
Scolmatore	Scolmatore2	72.1	900	900	900
Scolmatore	Scolmatore3	48.1	900	900	900
Scolmatore	Scolmatore4	10	900	900	900
Scolmatore	Scolmatore5	8	900	900	900
Scolmatore	Scolmatore5.1	7	900	900	900
Scolmatore	Scolmatore6	6	900	900	900
Tanna	Nugola	5	26.88	44.21	53
Tanna	Tanna1	31	42.96	70.74	84.81
Tanna	Tanna2	22	69.84	114.95	137.8
Tanna	Tanna2	12	78.56	129.9	155.97
Tanna	Tanna2	6	90.66	151.25	182.13
Tanna	Tanna2	3	105.51	173.76	208.45
Tavola	Tavola	5	23.14	40.17	48.94
Tora	Tora	44	164.48	259.77	307.26
Tora	Tora	42	186.17	294.85	349.07
Tora	Tora_2	23	234.54	376.12	446.93
Tora Vecchia	Tora Vecchia 1	24	15.67	23.6	27.56
Ugione	medio	69	61.9	107.81	132.43
Ugione	valle	30	111.85	195.69	240.43
Ugione	valle	2.4	159.75	274.2	335.07

#### 4.2.1.1 Fiume Isola

Il Fiume Isola presenta insufficienze diffuse in gran parte del tratto analizzato, anche per portate con tempi di ritorno ridotti. Il corso d'acqua non risente del rigurgito dello Scolmatore dell'Arno (il cui fondo è circa 3 m più basso), da cui è idraulicamente sconnesso dalla presenza di una bocca tarata con soglia sfiorante (Figura 60). Tale opera risulta inadeguata per la portata duecentennale e produce, comunque, un innalzamento del profilo liquido a monte anche per portate inferiori. Il profilo liquido (Figura 62) si mantiene per quasi tutto il tratto in esame superiore alla quota arginale. Altra insufficienza significativa si registra all'altezza dei ponti che sono ubicati in corrispondenza della confluenza con il torrente Tavola (Figura 61).

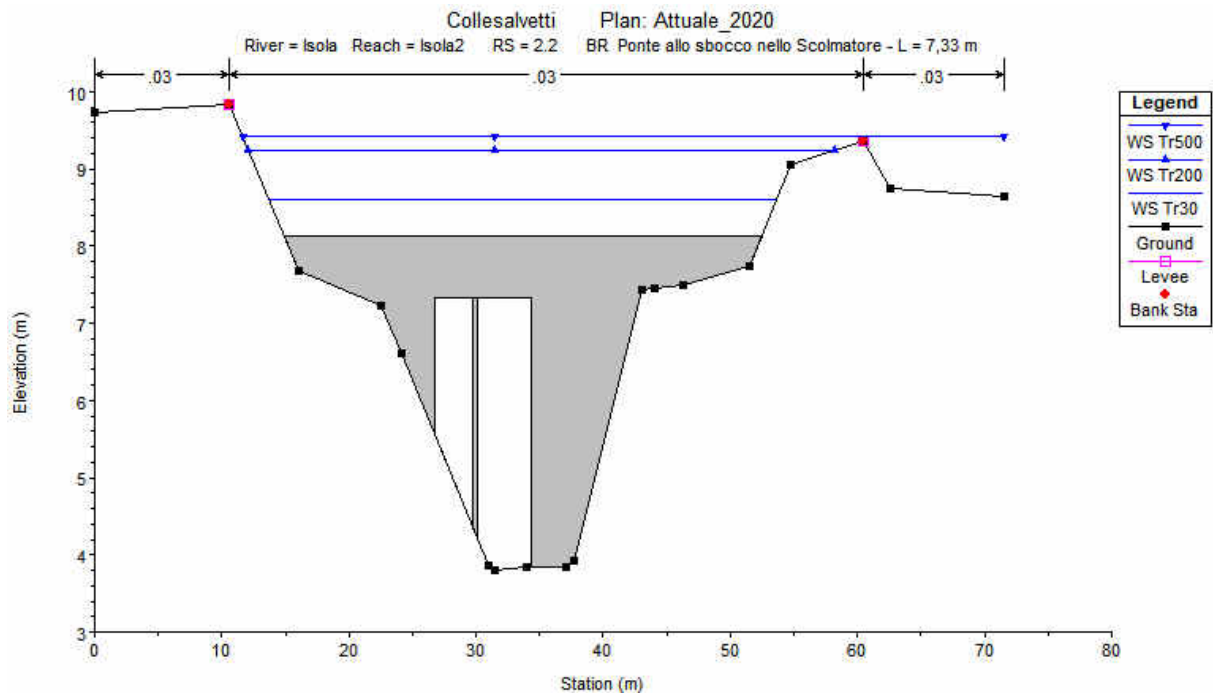


Figura 60 - Fiume Isola Bocca tarata alla confluenza con lo Scolmatore

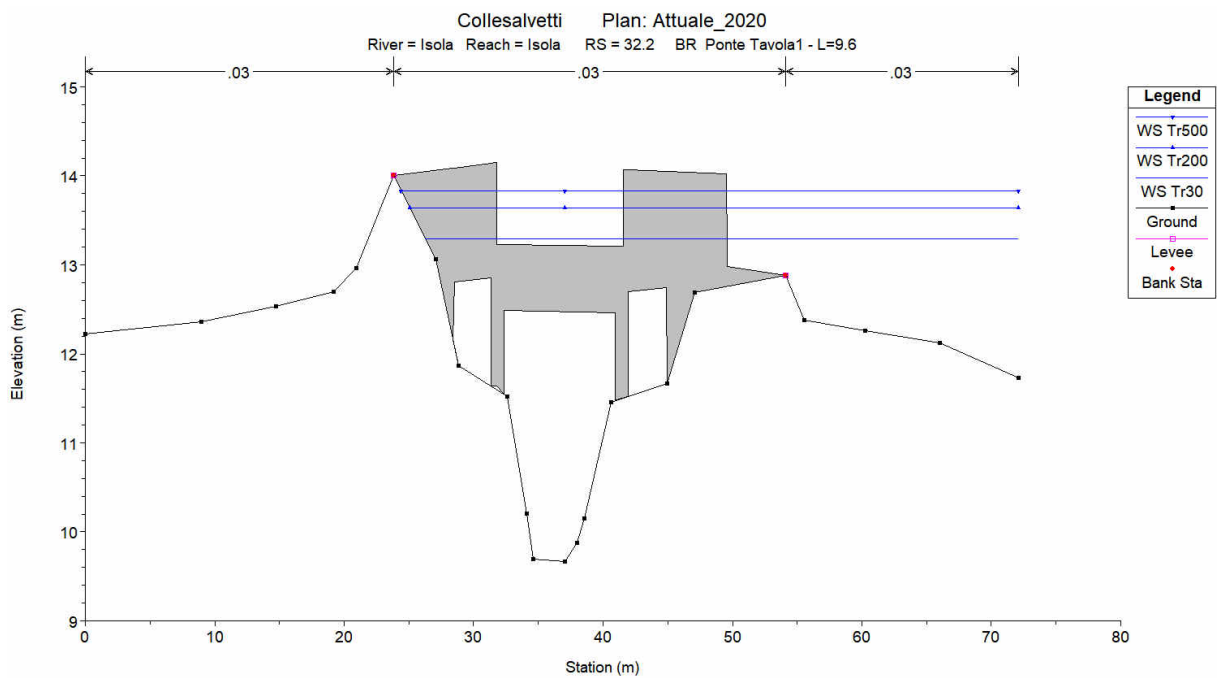


Figura 61 - Fiume Isola - Ponte Tavola

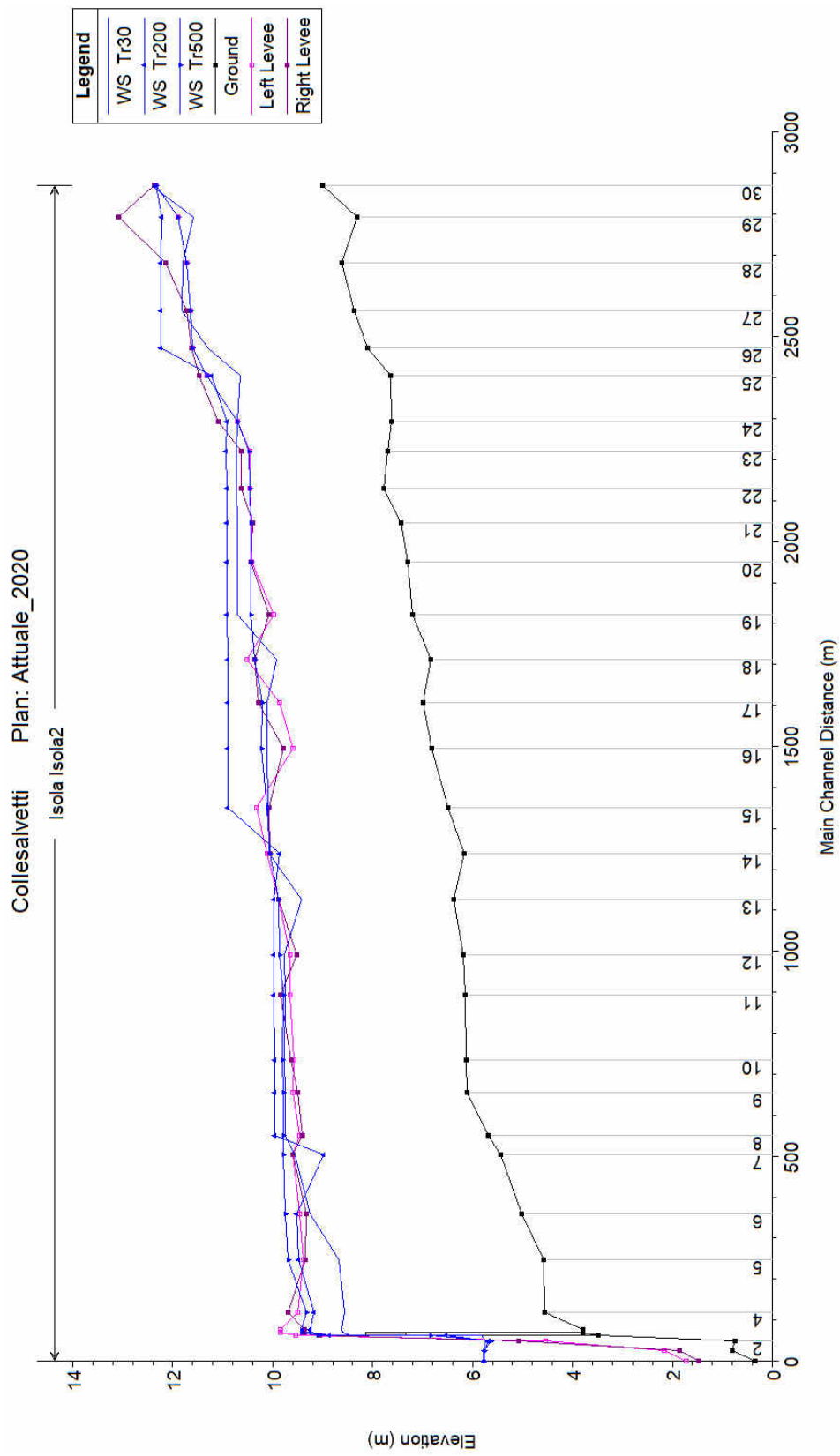


Figura 62 - Profilo liquido del Torrente Isola

#### 4.2.1.2 Fosso Fologno

Il Fosso Fologno presenta sezioni generalmente insufficienti per il deflusso di portate anche trentennali (Figura 64). Particolari criticità si evidenziano nella parte iniziale del corso d'acqua, in prossimità dell'area artigianale del comune di Collesalveti, dove i rigurgiti indotti dai manufatti di attraversamento tendono a sormontare le quote di sponda, ed in corrispondenza dell'attraversamento della ferrovia (Figura 63).

Altre criticità sono presenti in prossimità dell'abitato di Vicarello e nella parte terminale, in corrispondenza dell'immissione sul fosso Fattoria.

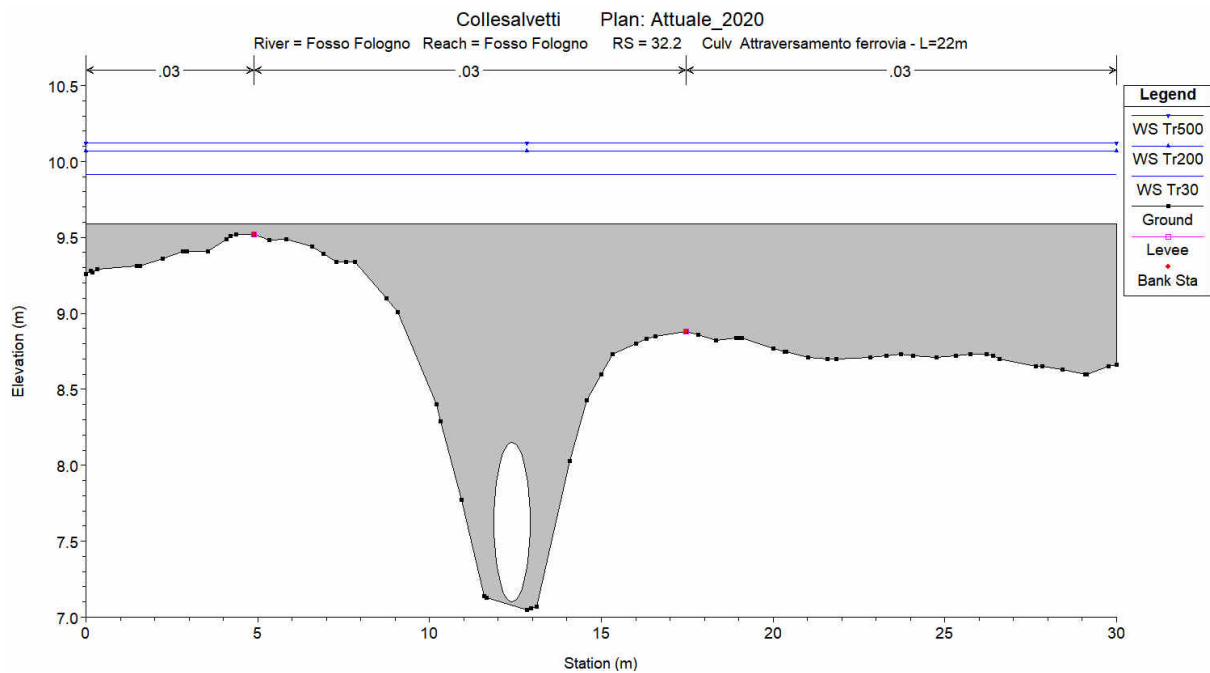


Figura 63 - Fosso Fologno – sezione a monte dell'attraversamento ferroviario

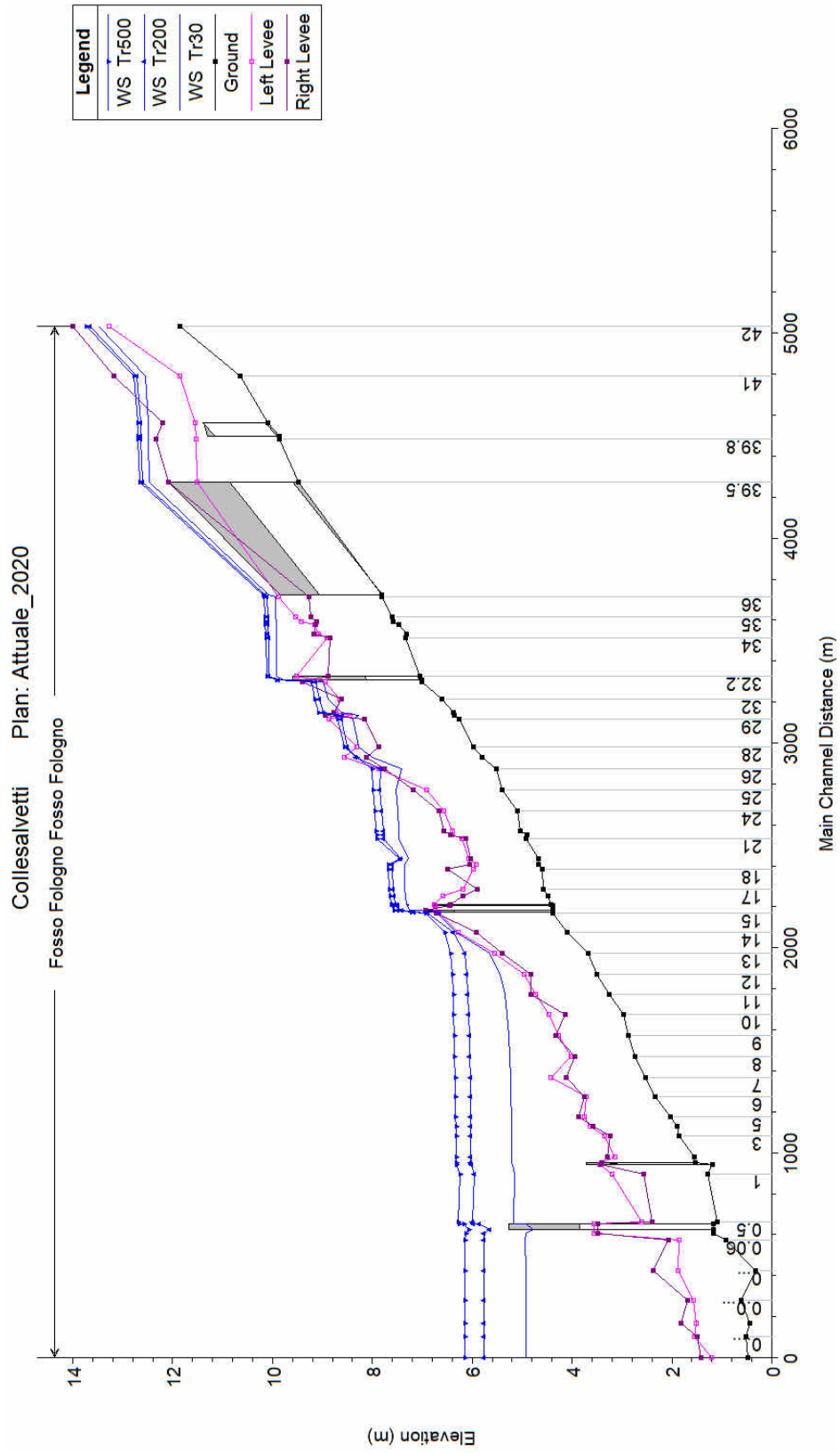


Figura 64 - Profilo idraulico Fosso Fologno

#### 4.2.1.3 Antifossetto - Torretta

Quasi parallelamente allo Scolmatore dell'Arno scorre l'Antifossetto, il cui deflusso risulta fortemente condizionato dalla botte a sifone sotto il Torrente Tora, che determina problemi di sormonto arginale anche in presenza di portate trentennali. Il tratto a valle risente del rigurgito dello Scolmatore e delle insufficienze diffuse che si verificano dopo l'abitato di Stagno. La vicinanza degli argini del F. di Fattoria, che scorre in adiacenza all'Antifossetto, contribuisce comunque a limitare i pericoli di esondazione. Da segnalare l'interrimento del tratto terminale, dovuto sia al rallentamento della corrente nel tratto vallivo sia alla scarsa capacità di ricezione dello Scolmatore.

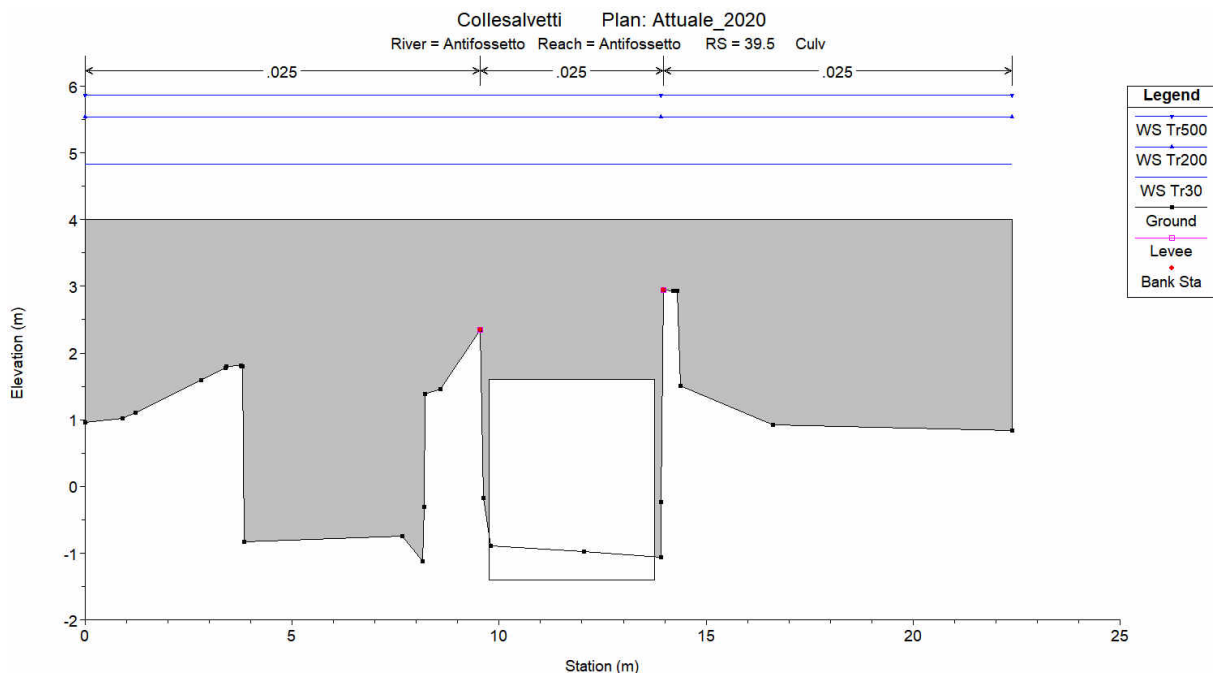


Figura 65 - Antifossetto – botte a sifone



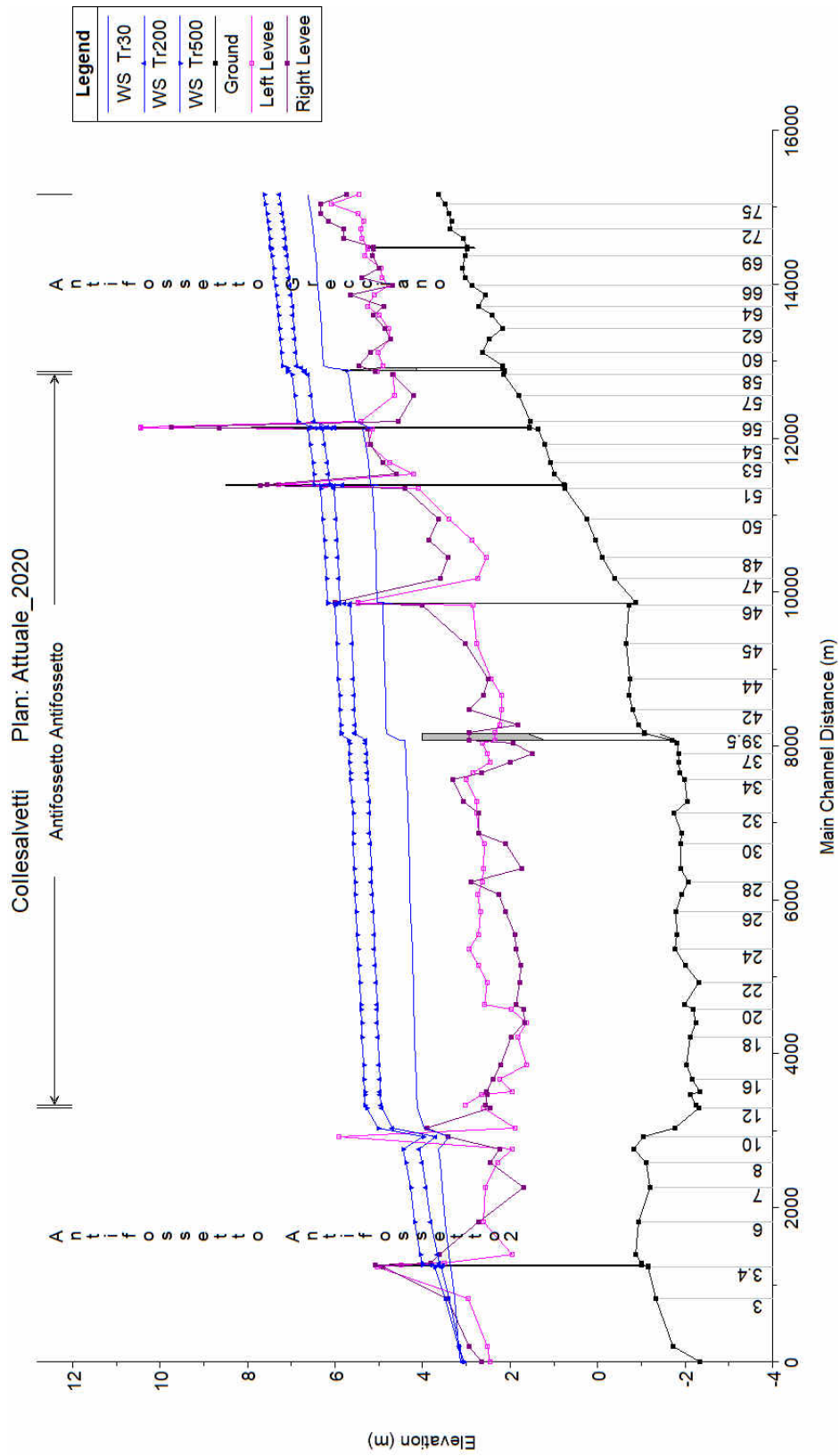


Figura 66 - Profilo idraulico Antifossetto-Torretta

#### 4.2.1.4 Fosso di Marignano, Fontino e Fosso delle Lenze

I suddetti fossi rappresentano corsi d'acqua di drenaggio della piana ad est dell'abitato di Vicarello e si immettono nell'Antifossetto. Tutti i fossi in questione presentano insufficienze idrauliche diffuse, anche per bassi tempi di ritorno. Le cause della bassa capacità di deflusso sono dovute sia alla presenza di attraversamenti sia alla riduzione di sezione data dall'interrimento; non trascurabili sono, inoltre, gli effetti di rigurgito dell'Antifossetto.

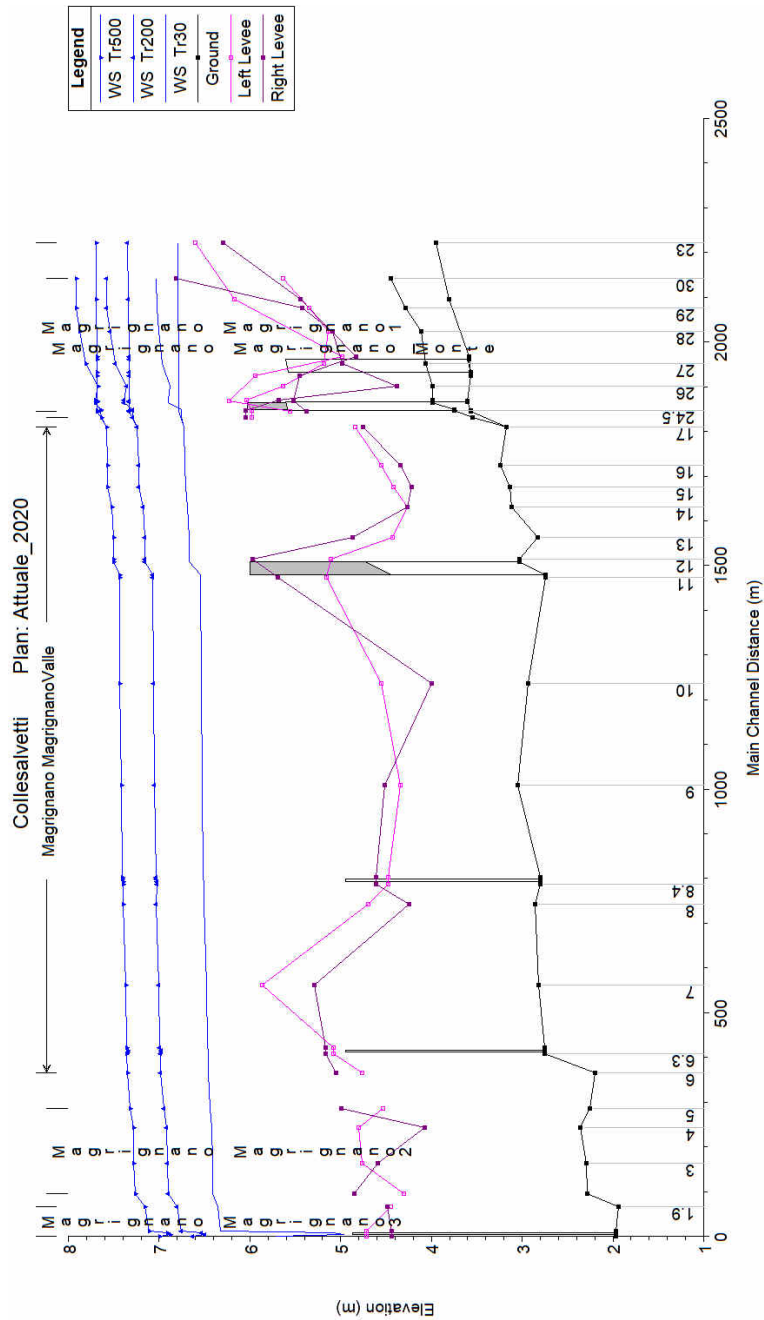


Figura 67 – Profilo idraulico Fosso Marignano

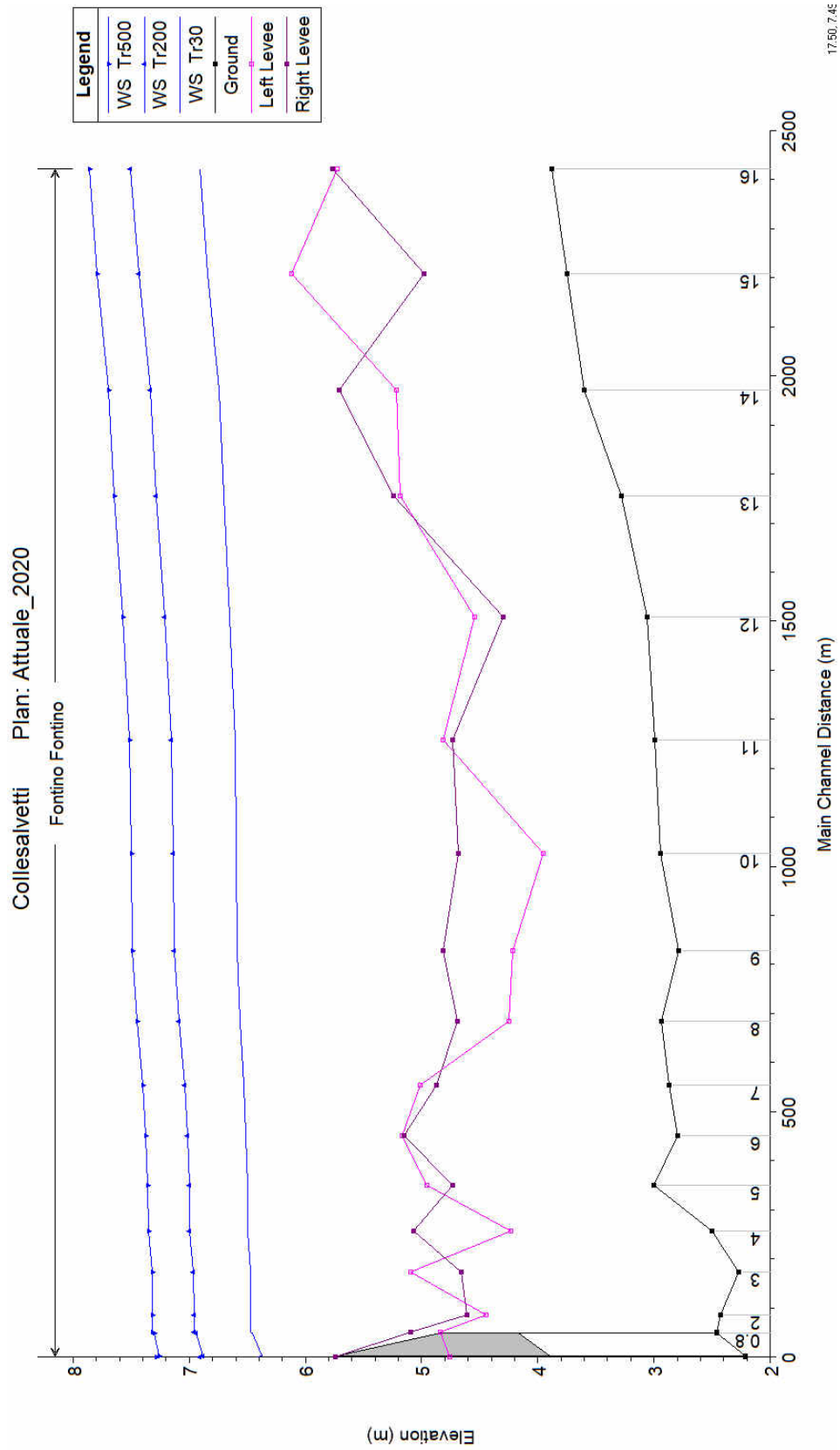


Figura 68 - Profilo idraulico Fosso Fontino

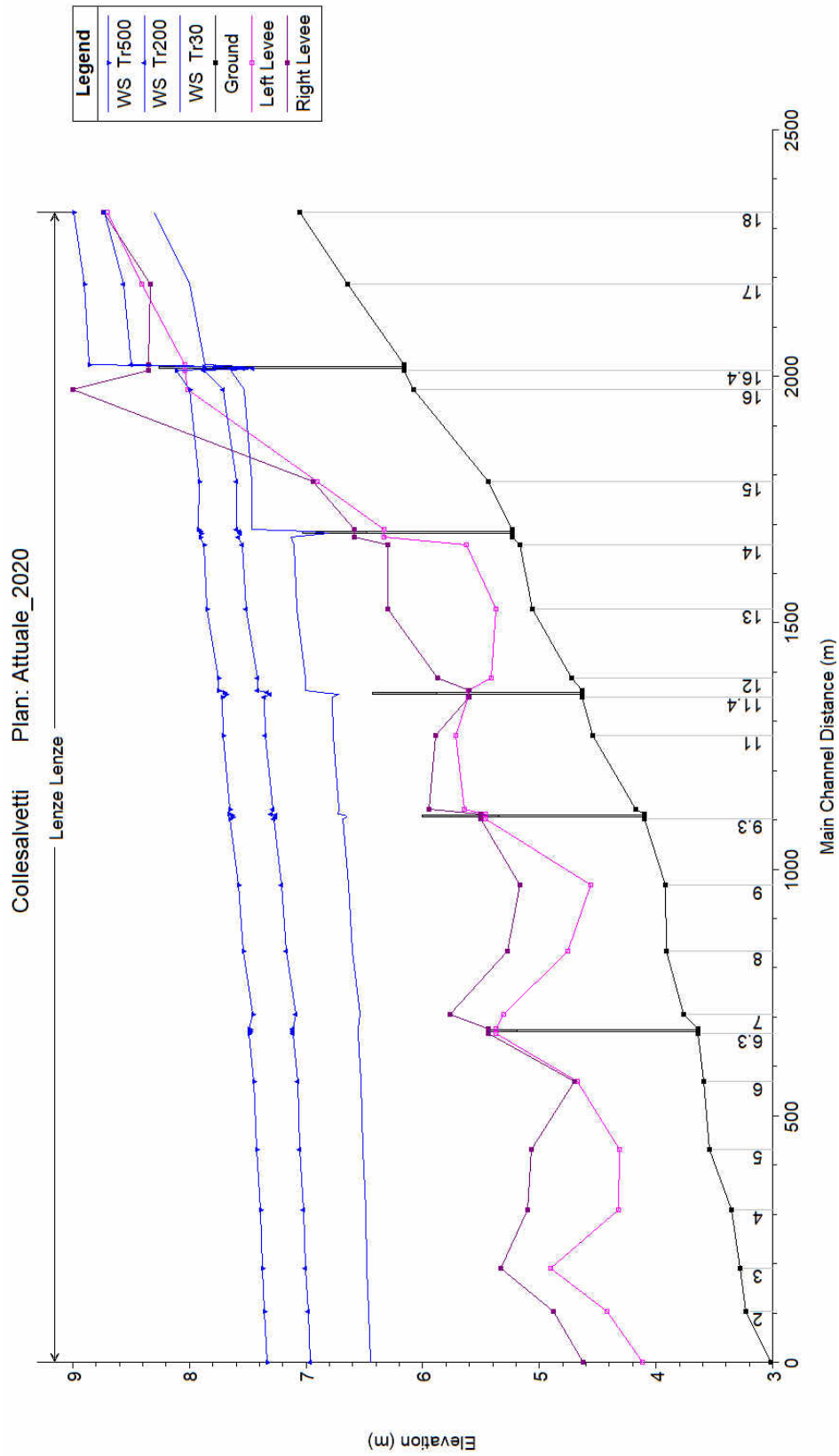


Figura 69 - Profilo idraulico Fosso Lenze

#### 4.2.1.5 Antifosso di Fattoria

Per l'Antifosso di Fattoria valgono considerazioni analoghe a quelle precedentemente condotte per l'Antifossetto. Le problematiche si registrano in particolare in tutto il tratto iniziale fino alla botte a sifone sotto il T. Tora, con la formazione di un considerevole rigurgito che si riflette anche nel principale affluente (F. Fologno). A valle della botte a sifone continuano a verificarsi insufficienze diffuse, dovute essenzialmente alle elevate portate teoriche che vi affluiscono.

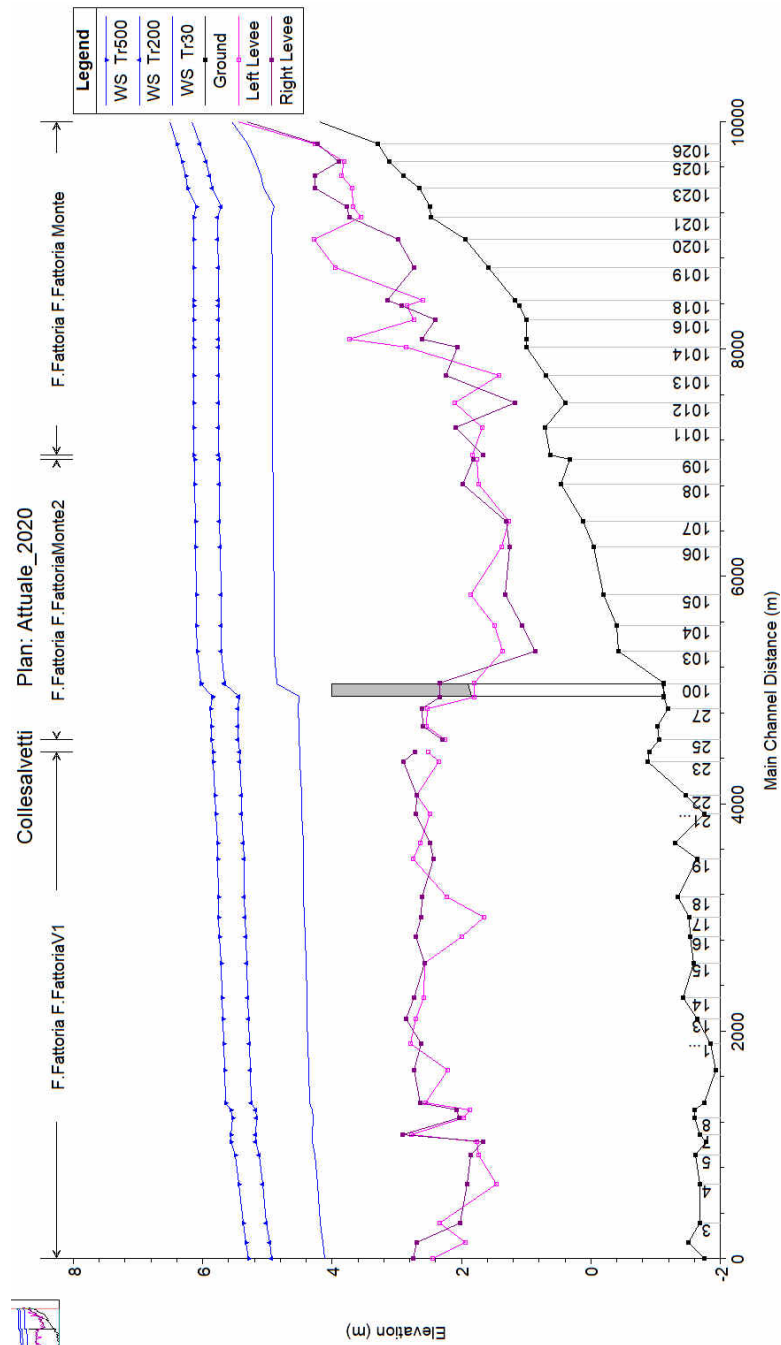


Figura 70 - Profilo idraulico Antifosso di Fattoria

#### 4.2.1.6 F. Toravecchia

Le principali criticità del F. di Toravecchia sono dovute da una parte alle insufficienze del sifone sotto il T. Tora e dall'altra al rigurgito dovuto alla confluenza con il F. Fattoria. Da notare che l'ultimo tratto di corso d'acqua (circa 800m) è stato oggetto di un adeguamento arginale con innalzamento delle sponde rispetto ai tratti a monte.

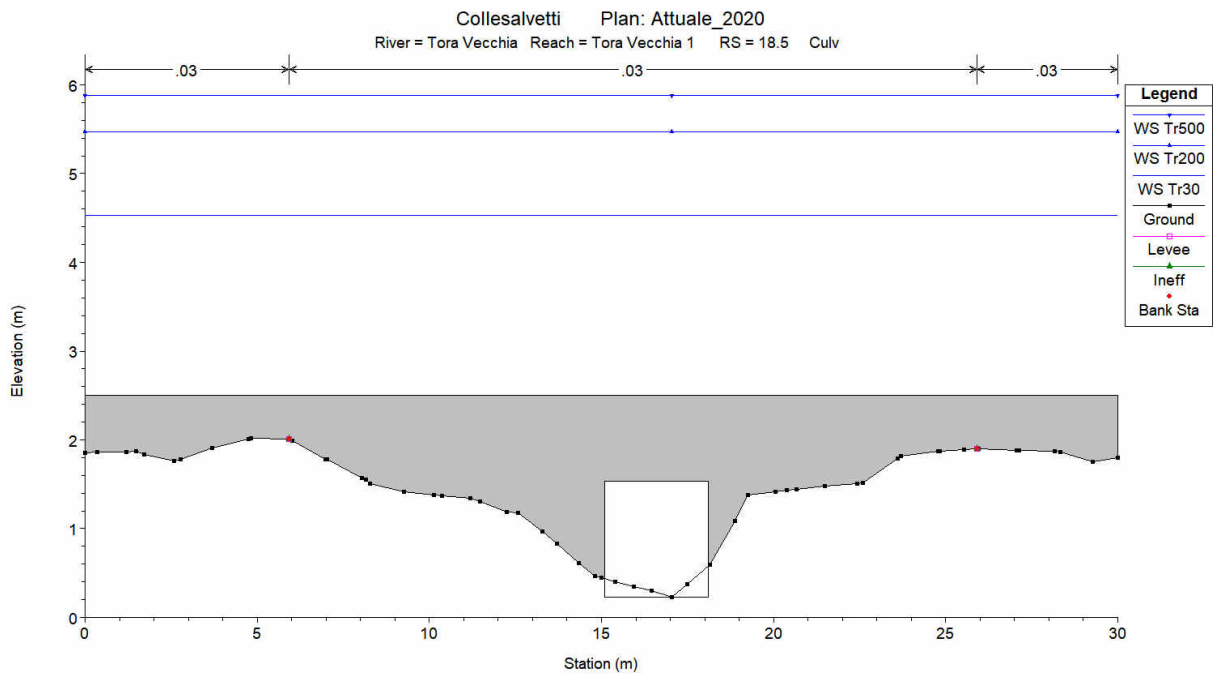


Figura 71 - Sezione del sifone del Tora Vecchia sotto il T. Tora



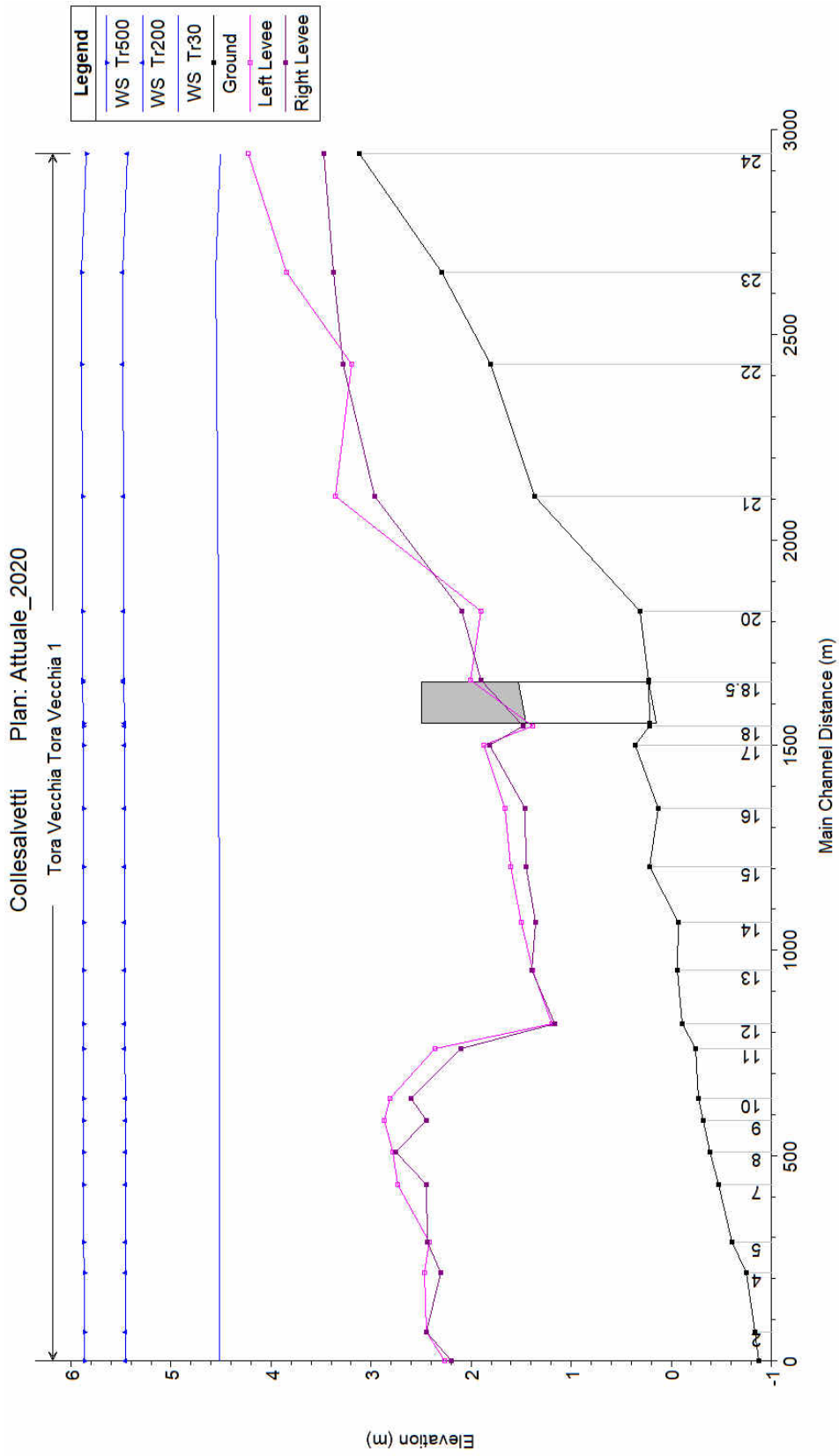


Figura 72 - Profilo del Fosso Tora Vecchia

#### 4.2.1.7 Torrente Tora

Il T. Tora è uno dei maggiori affluenti del Canale Scolmatore. Il tratto investigato, dall'abitato di Collesalvetti fino alla confluenza con lo Scolmatore, si presenta regolare con una pendenza di circa 0.15 %. L'analisi del corso d'acqua ha evidenziato alcune criticità soprattutto a valle della confluenza con il fiume Tanna, dove la presenza di alcuni restringimenti artificiali determina l'innalzamento del profilo liquido ed il sormonto delle quote arginali della sponda in sinistra.

In generale, le sezioni idrauliche del Tora risultano adeguate a contenere piene con tempi di ritorno trentennali, mentre risulta inadeguata per la portata duecentennale (Figura 75).

Più precisamente si verificano sormonti nel tratto compreso fra la sezione TO-100 (o sez. 18) e la sezione TO 140 (o sez. 28), relativa al ponte in località Le Murrelle (Figura 74).

Si fa presente che il tratto terminale (dalla sezione TO-40, o sez. 6, verso valle per una lunghezza di circa 1500 m) risente del rigurgito dello Scolmatore. Pertanto, con condizioni al contorno diverse da quelle assunte nel presente modello si possono verificare aumenti delle quote liquide con possibili sormonti delle quote arginali.

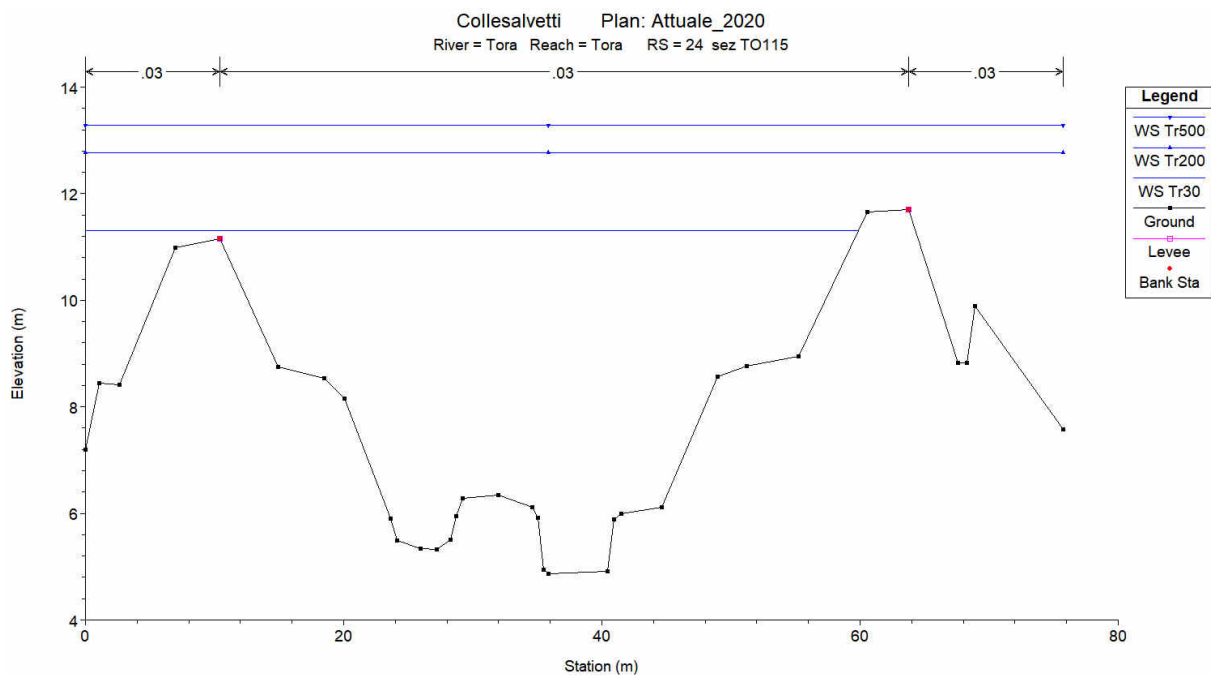


Figura 73 - Sez. TO-115

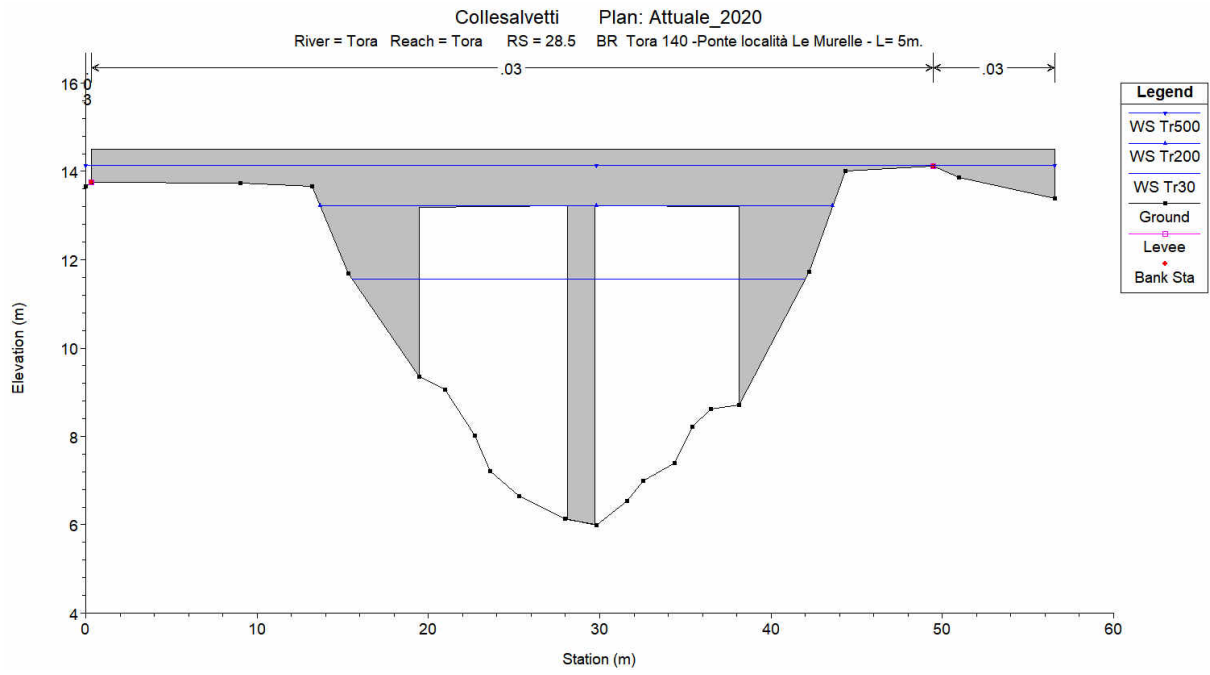


Figura 74 - Sez. TO-140 ponte in località Le Morelle

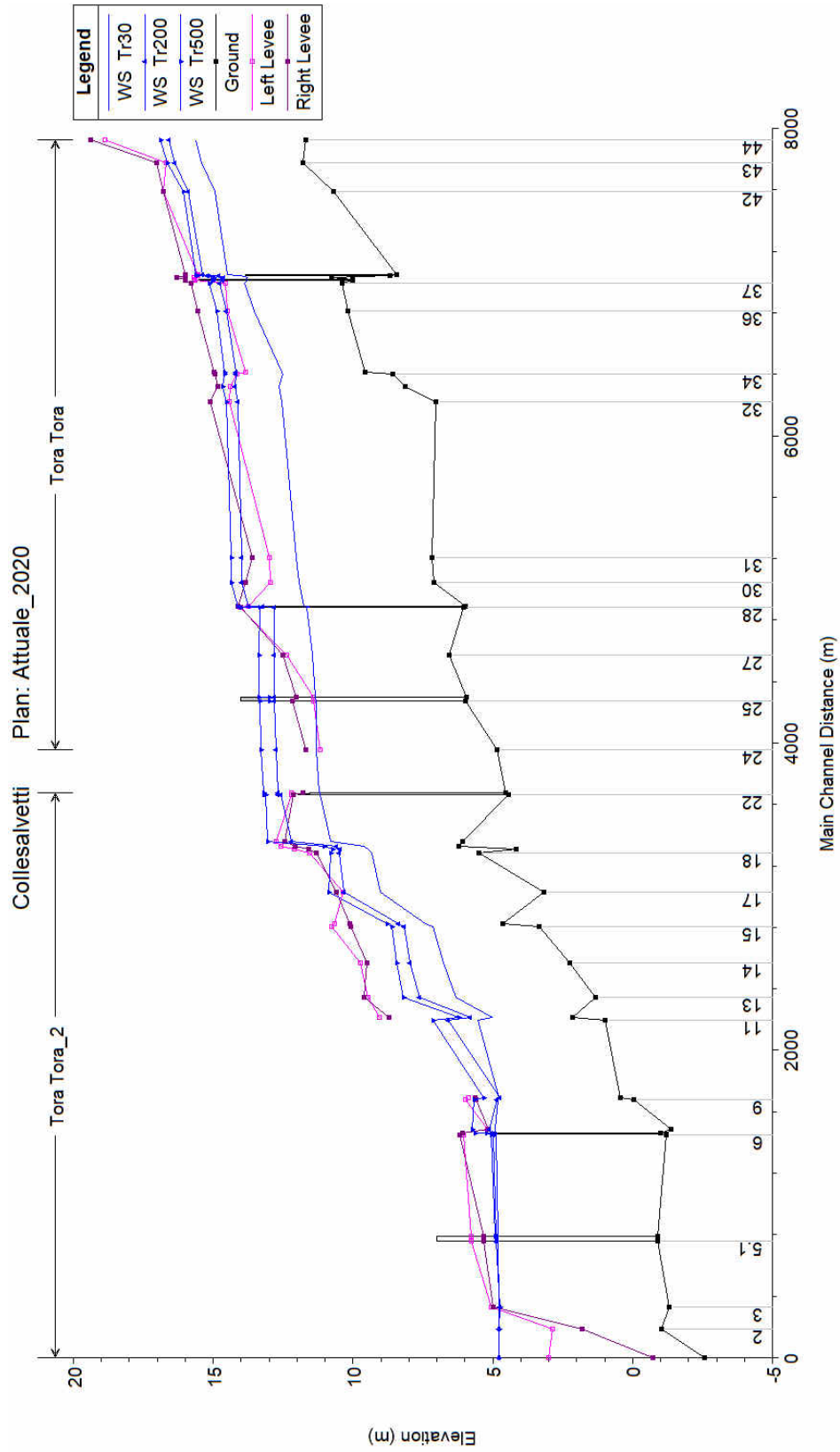


Figura 75 - Profilo idraulico T. Tora

#### 4.2.1.8 T. Tanna e Nugola

Il torrente Tanna è il principale affluente del T. Tora e risente, in particolare, degli effetti di rigurgito alla confluenza, in particolare per la presenza del ponte sulla ex SS555. Si evidenzia inoltre l'insufficienza dei principali attraversamenti sulla SP4 "delle Sorgenti" in particolare per gli eventi con  $Tr > 30$  anni.

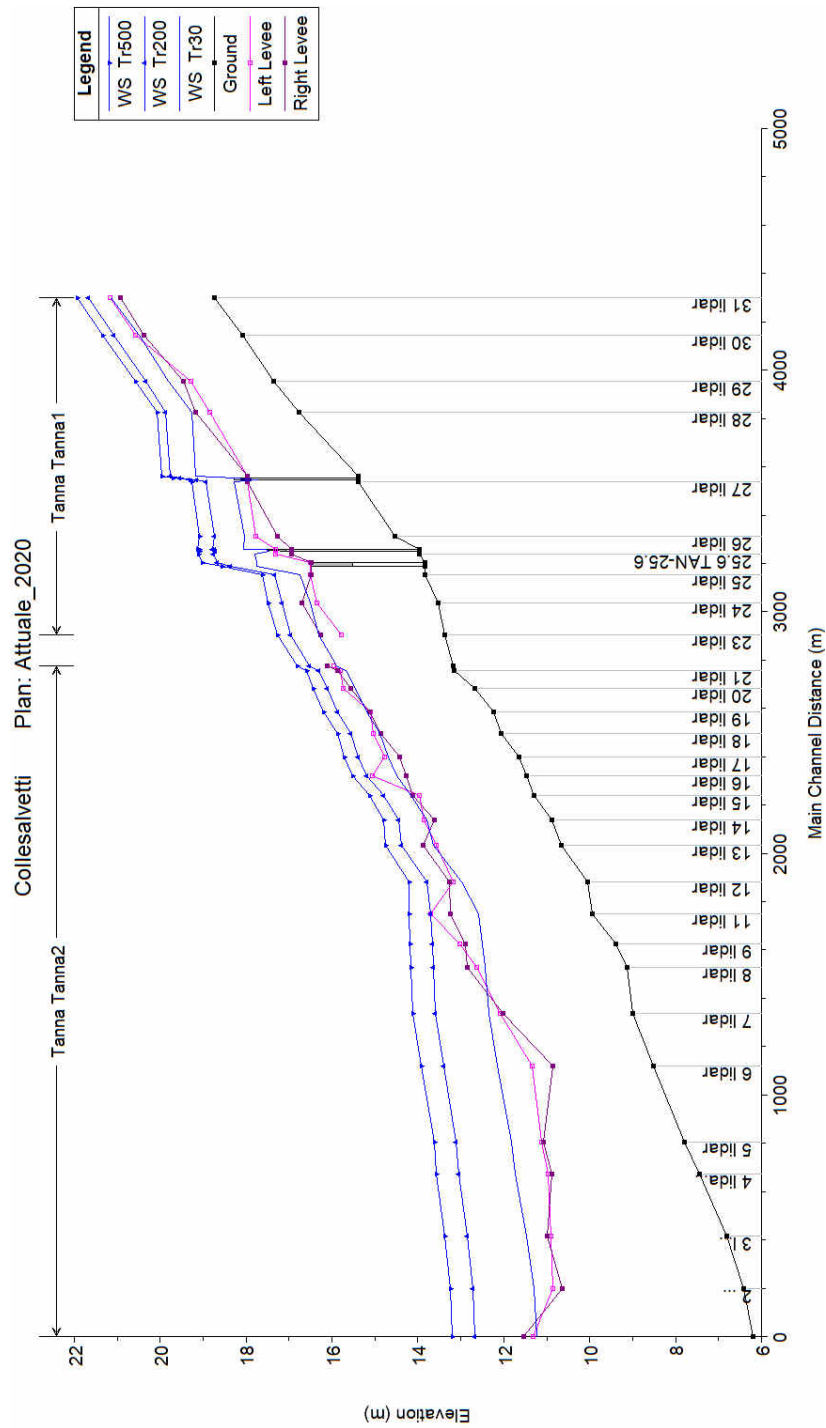


Figura 76 – Profilo idraulico T. Tanna

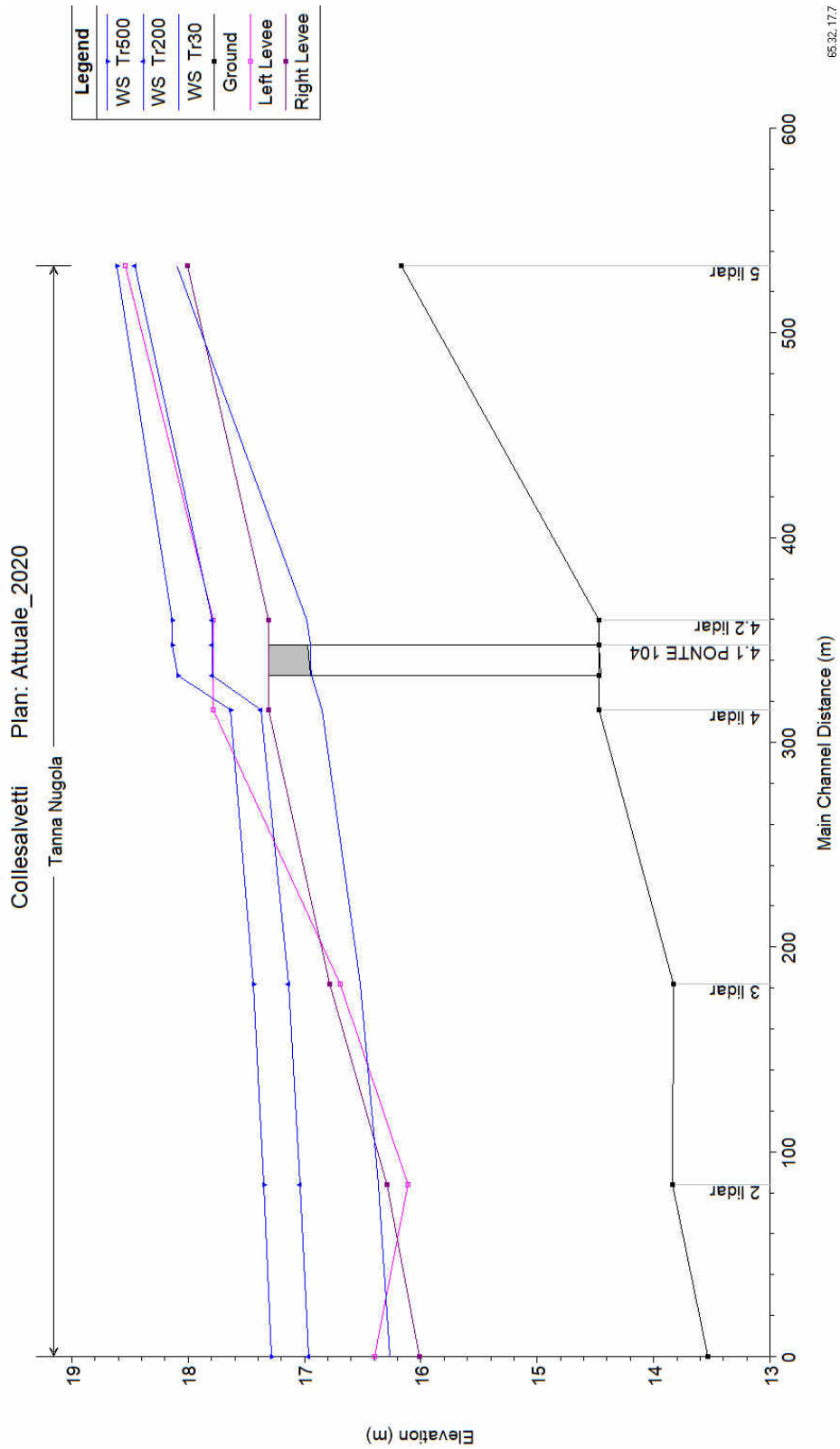


Figura 77 - Profilo idraulico T. Nugola

#### 4.2.1.9 Fosso Acquasalsa

L'analisi dei profili idraulici evidenzia diffuse criticità, in particolare a valle dei tratti in passato oggetto di sistemazione da parte del Consorzio di Bonifica Fiumi e Fossi (sez. 202 di Figura 78).

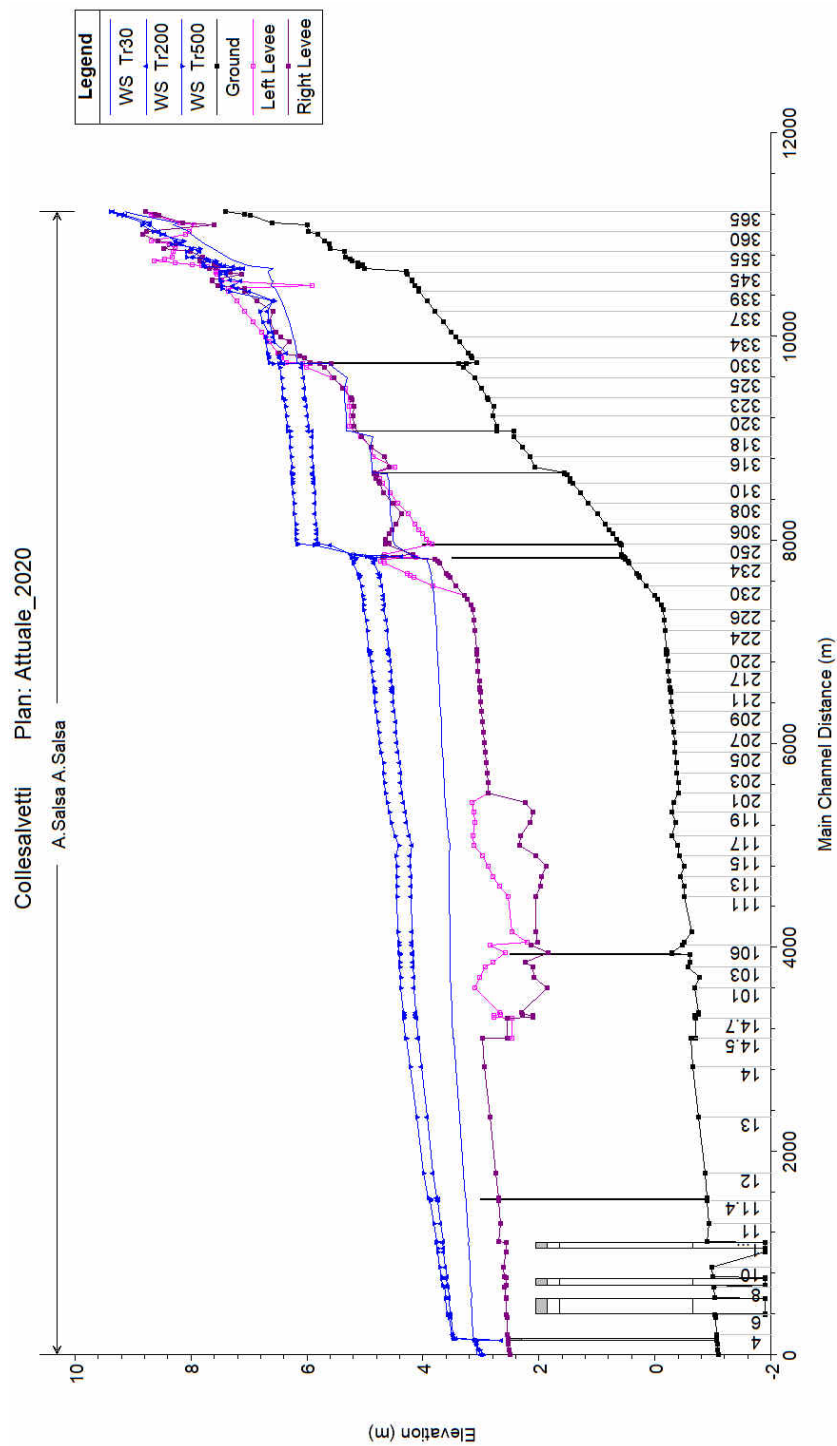


Figura 78 - Profilo idraulico F. Acquasalsa



I risultati ottenuti hanno permesso di osservare una diffusa inadeguatezza delle sezioni del corso d'acqua nei confronti di portate duecentennali e anche trentennali, soprattutto nel tratto vallivo. In particolare, risulta del tutto insufficiente allo smaltimento di portate trentennali il tratto compreso tra la sez. 230 e la foce.

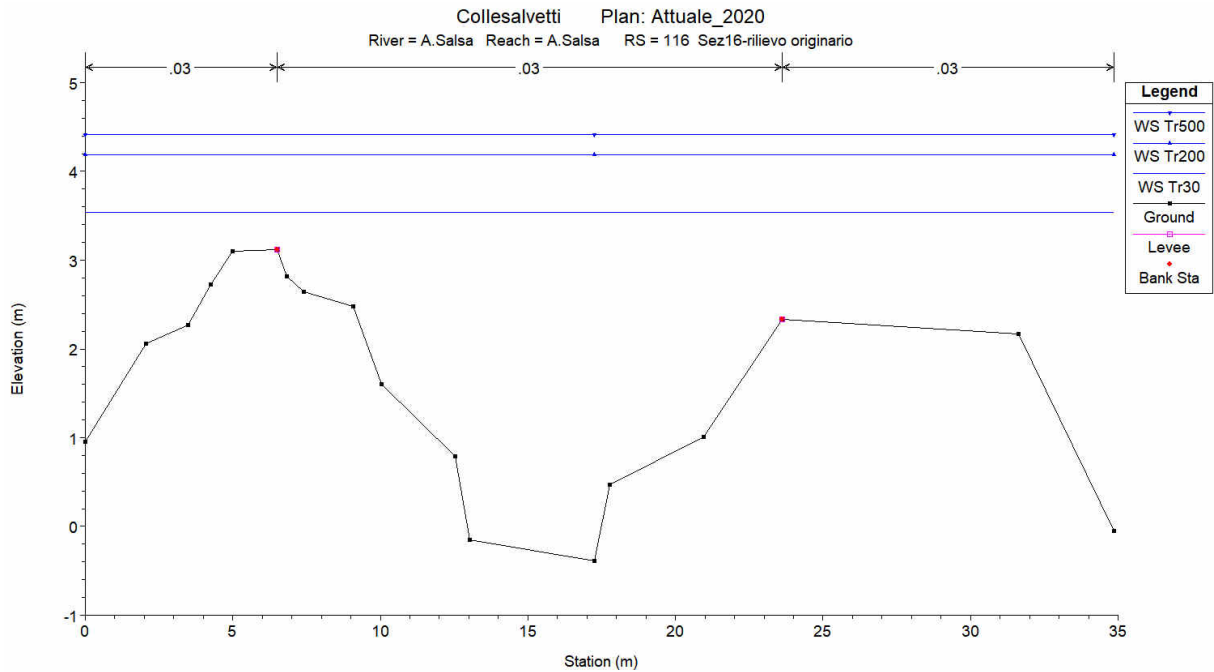


Figura 79 - Acquasalsa sez. 116

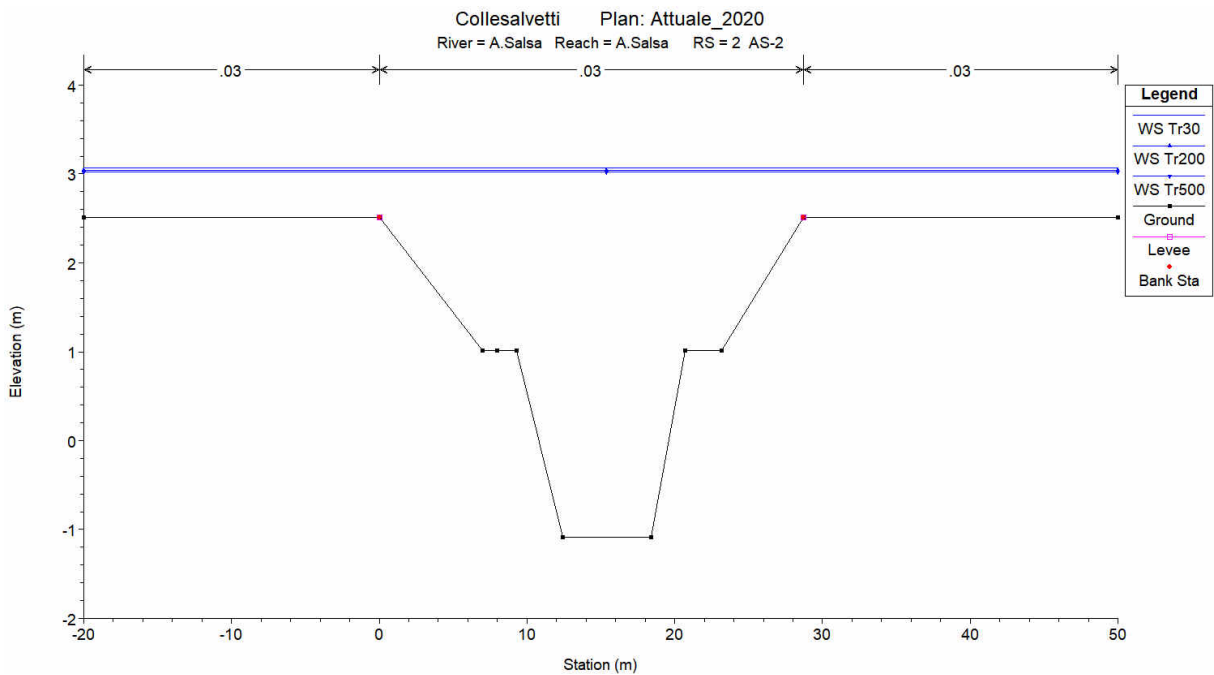


Figura 80 - Acquasalsa sez. 2

#### 4.2.1.10 Fosso Cateratto

Il Fosso del Cateratto defluisce nel F. dell'Acquasalsa a nord dell'abitato di Stagno, Tramite sbocco regolato da paratoia a controllo manuale. Un impianto idrovoro della capacità di 1,2 m<sup>3</sup>/sec, posto all'estremità meridionale del fosso, consente di aumentarne la capacità di smaltimento, in particolare in corrispondenza di eventi che richiedono di effettuare una disconnessione idraulica con il fosso dell'Acquasalsa. L'idrovora scarica direttamente nel T. Ugione, che non ne risulta praticamente influenzato, sia per i diversi tempi di corrivazione sia per il fatto che vi defluiscono portate decisamente superiori. Nel presente studio si è fatta l'ipotesi semplificata che il corso d'acqua sia esclusivamente controllato dai suddetti sollevamenti meccanici.

L'analisi dei profili liquidi, anche per portate con tempi di ritorno ridotti, mostra insufficienze diffuse lungo l'intero corso d'acqua. Il livello liquido trentennale (Figura 81) si mantiene, per tutto il tratto in esame, superiore alla quota arginale. Inoltre, considerando uno sbocco libero non rigurgitato (con pendenza della linea dell'energia pari alla pendenza di fondo) si evidenziano una serie di criticità ad entrambe le estremità, accentuate per tempi di ritorno elevati.

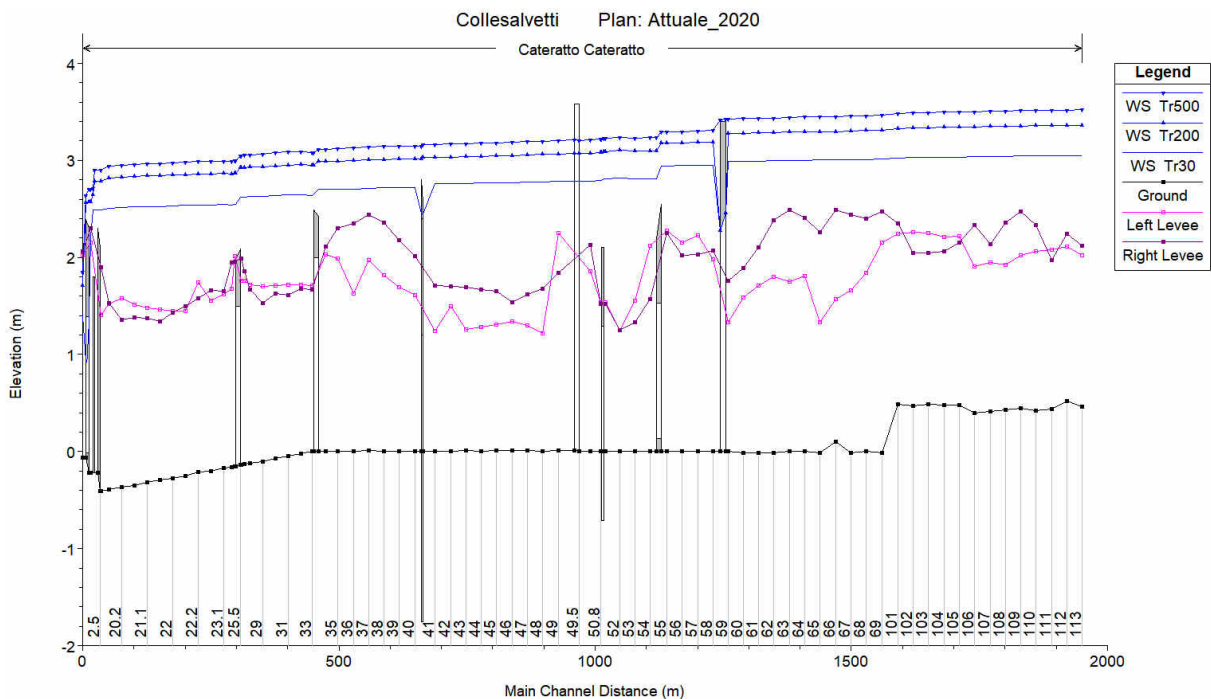


Figura 81 - Profilo idraulico fosso Cateratto

#### 4.2.1.11 Rete interporto

La rete dell'Interporto è a sollevamento meccanico con impianto idrovoro avente una capacità complessiva di circa 20 mc/s.

Assumendo condizioni al contorno di moto uniforme, si evidenzia complessivamente una insufficienza dei collettori a nord, mentre il resto della rete presenta problemi connessi agli eventi più estremi. I pregressi interventi presso il fosso delle Chiaviche hanno consentito di eliminare i problemi presso l'abitato di Guasticce, mentre sussistono ancora problemi nel tratto in adiacenza alla ex SS555. Il colatore ovest risulta in sicurezza per le portate proprie del bacino, sebbene sia capace di ricevere anche le acque provenienti dal colatore sud, che presenta in corrispondenza dell'inizio del colatore ovest una sezione arginale ribassata.

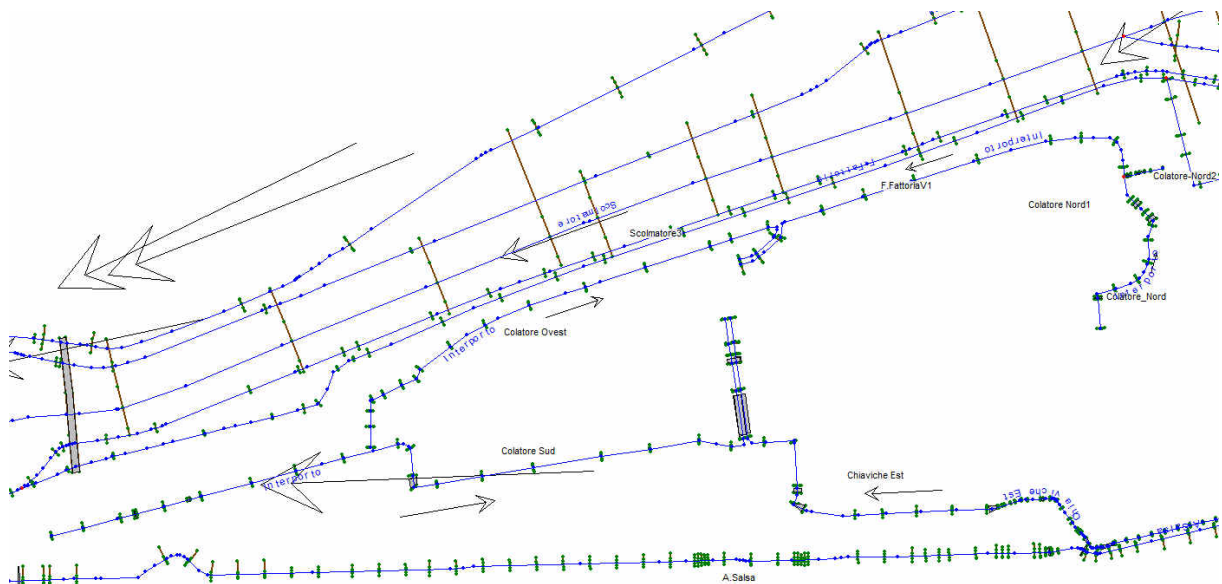


Figura 82 – Modellazione rete Interporto

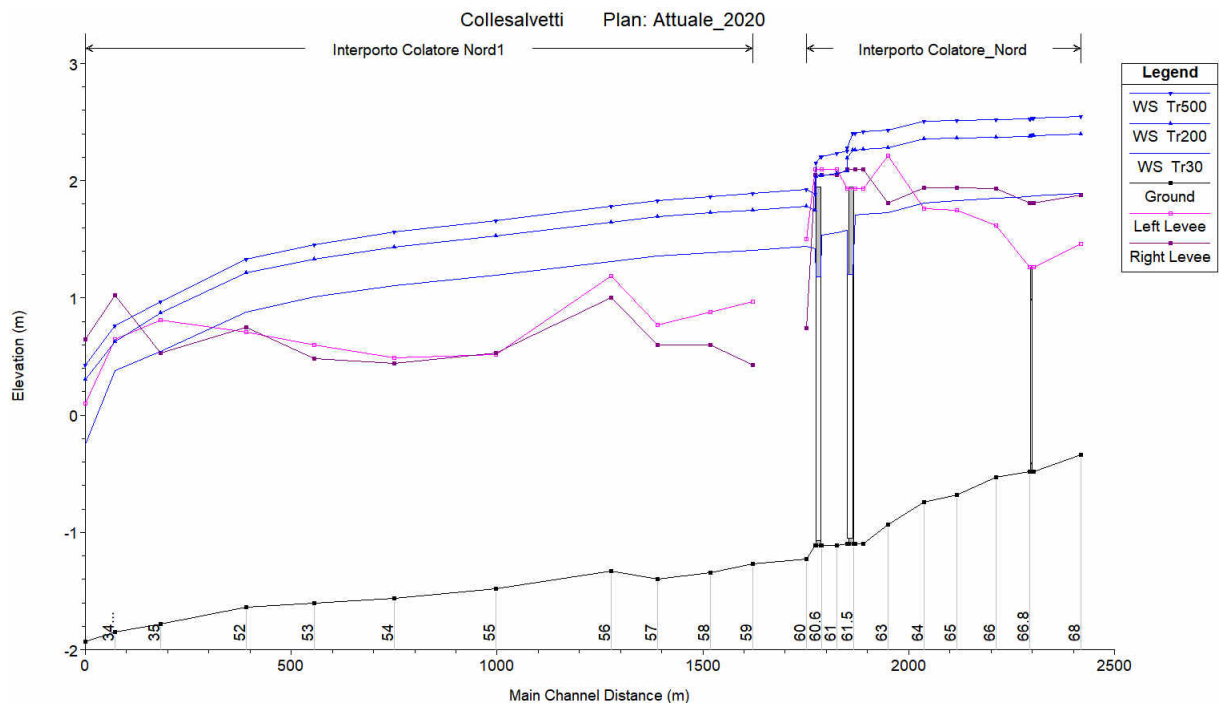


Figura 83 - Profilo idraulico Colatore nord

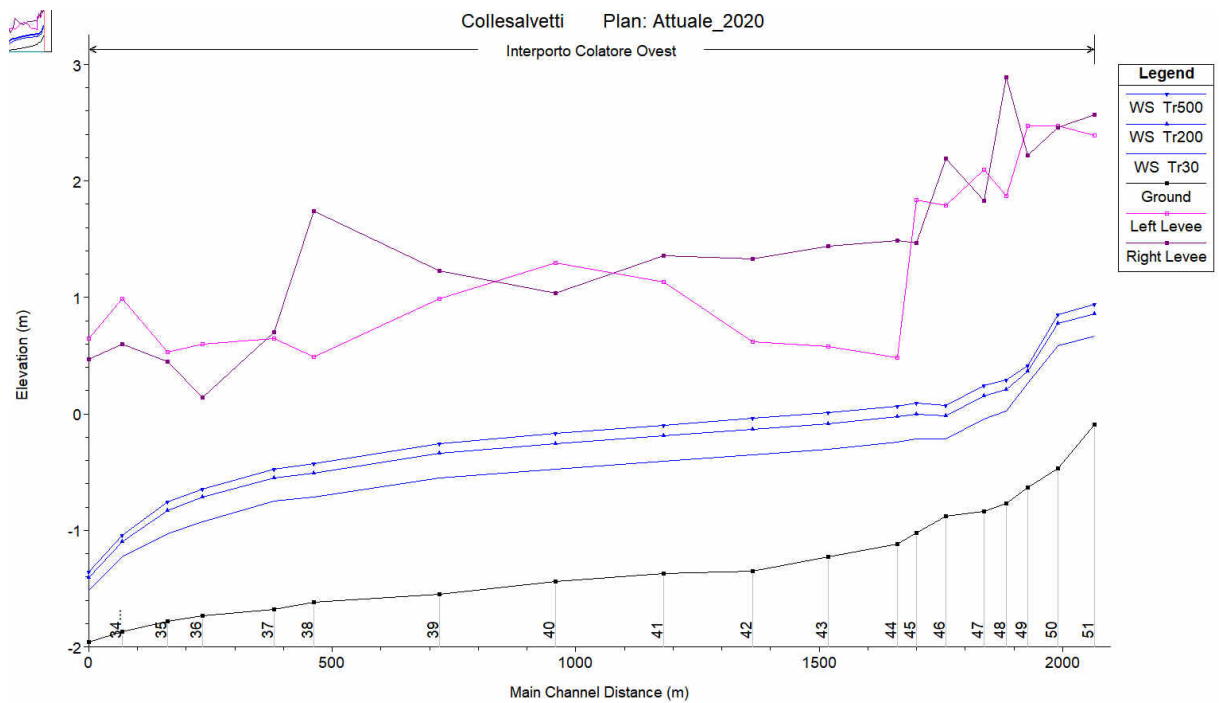


Figura 84 - Profilo idraulico Colatore ovest

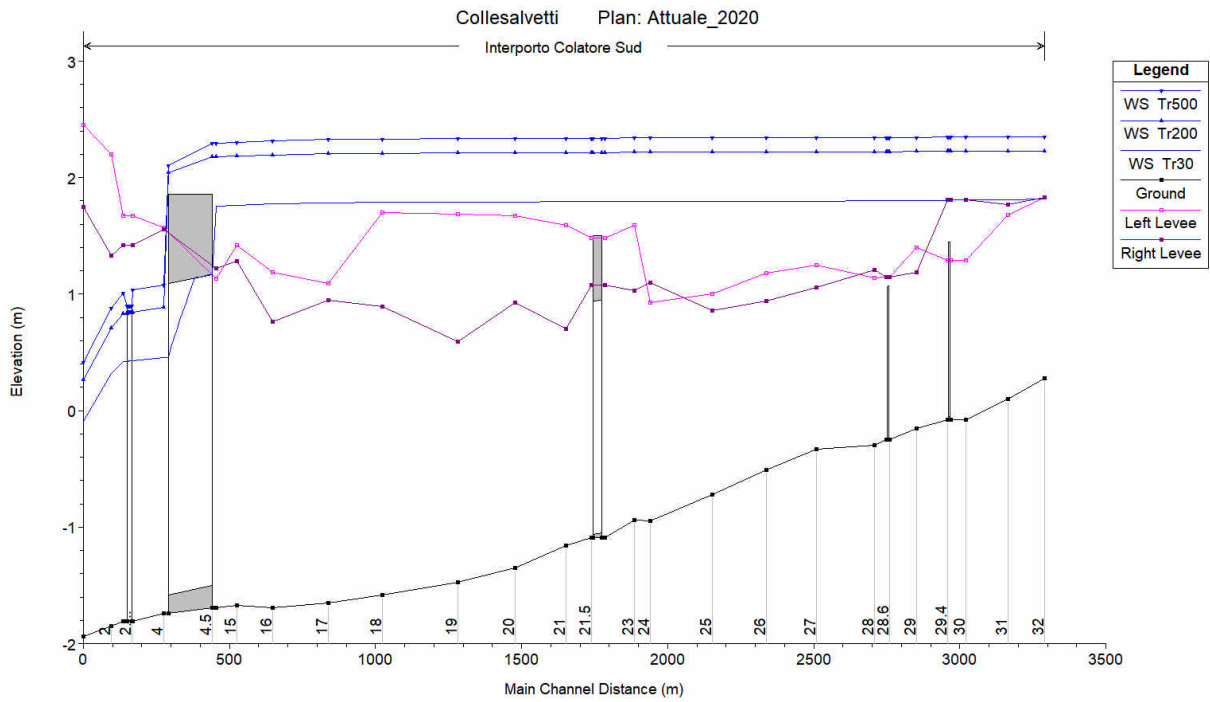


Figura 85 - Profilo idraulico Colatore sud

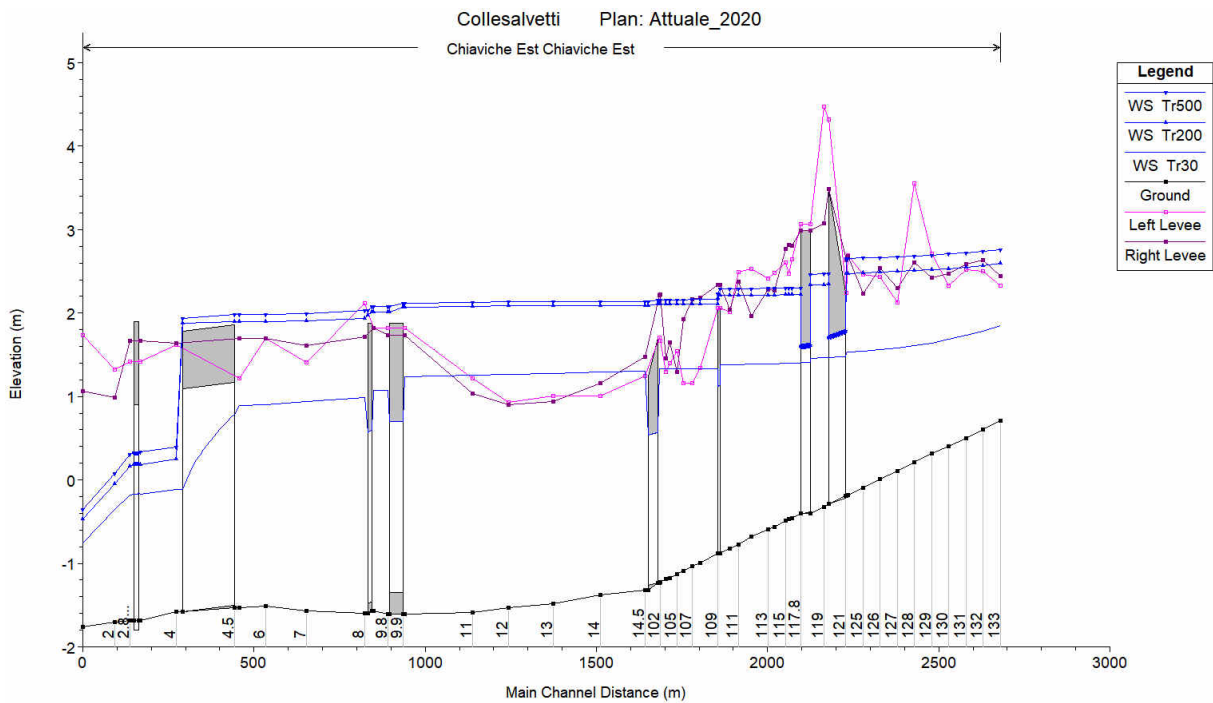


Figura 86 - Profilo idraulico Colatore est (Chiaviche Est)

#### 4.2.1.12 Torrente Ugione

Le verifiche idrauliche effettuate lungo il corso d'acqua mostrano che gli argini del torrente sono in grado di contenere portate con tempi di ritorno 30 anni, limitatamente al tratto di monte, fino all'inizio dell'abitato di Stagno, mentre immediatamente a valle della confluenza con il Fosso della Puzzolente si verificano insufficienze diffuse per tutte le portate investigate. La situazione diventa critica essenzialmente per rigurgito indotto da una successione di attraversamenti di sezione inadeguata che comportano innalzamenti del profilo liquido ben oltre le sommità arginali (per esempio attraversamento lungo la via Aurelia - Figura 87).

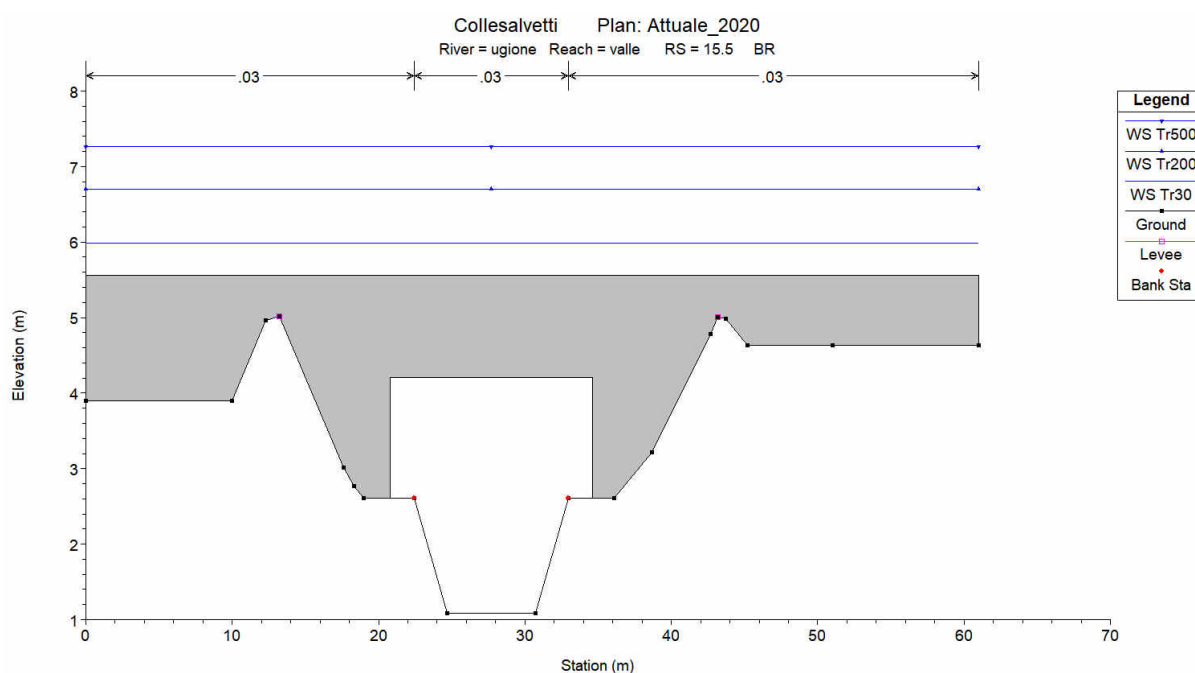


Figura 87 - Ugione sez. 15.5

Da sottolineare che nella parte iniziale del tratto investigato si verifica la tendenza, specialmente per le portate più elevate, al sormonto arginale sia in destra che in sinistra idraulica. Analoga condizione si verifica lungo il Fosso della Puzzolente prima dell'immissione nel T. Ugione. Studi mirati alla sistemazione idraulica del T. Ugione e del Fosso delle Puzzolente (Provincia di Livorno, 2005) hanno evidenziato che la presenza di numerosi attraversamenti nel tratto terminale del Fosso della Puzzolente determina una laminazione delle portate con allagamenti diffusi sul territorio circostante, riducendo il valore della portata al colmo ad una massimo di 30 mc/s. Entrambi i fattori, pertanto, conducono ad un beneficio sulle capacità di deflusso dei tratti a valle e possono essere considerati per analizzare lo stato attuale relativamente a tempi di ritorno non elevati.

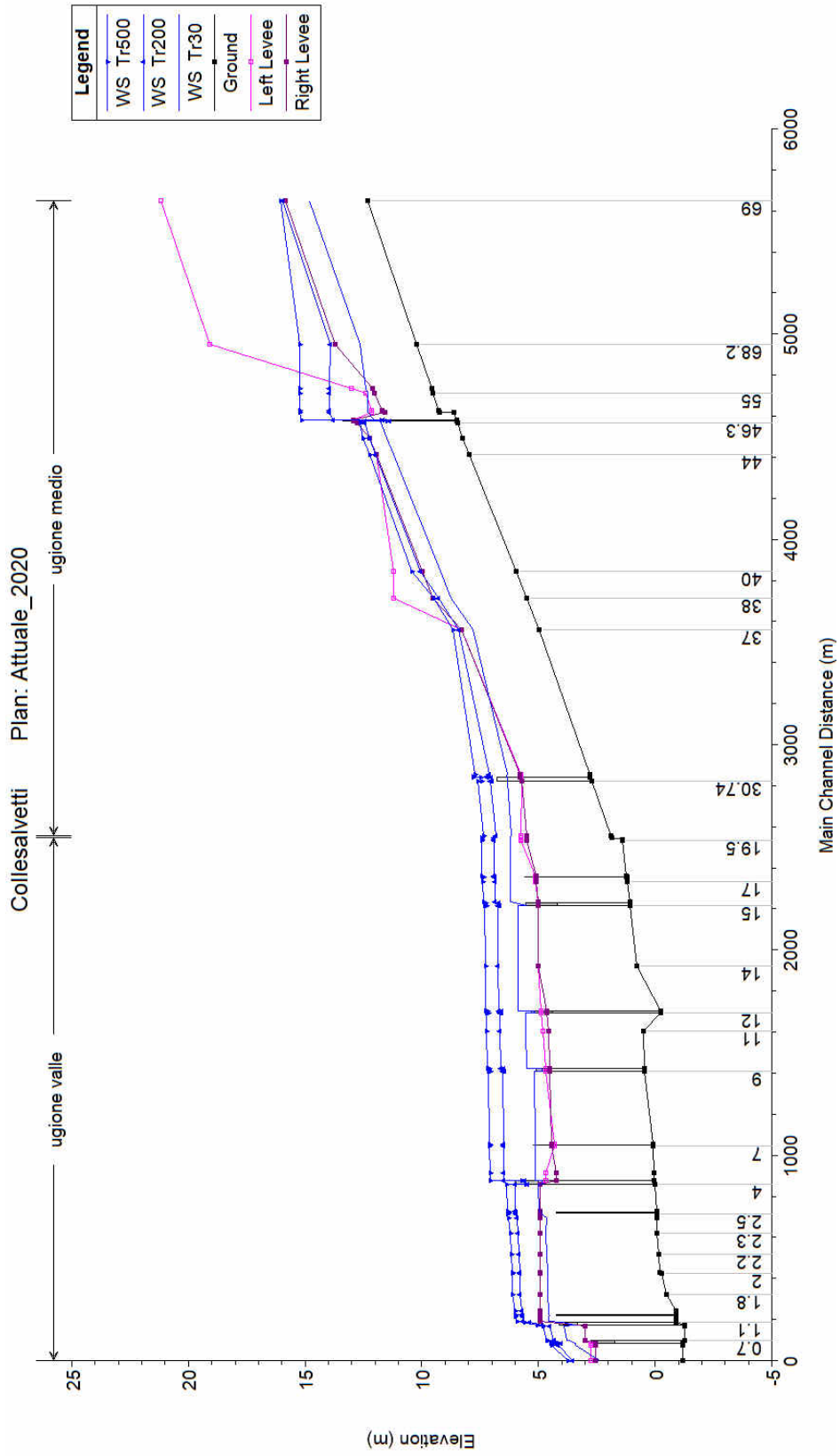


Figura 88 - Profilo idraulico T. Ugione



#### 4.2.1.13 Emissario Bientina

La portata dell'emissario del Bientina si può considerare pressoché costante, in quanto limitata dalla botte a sifone presso Bientina. Il corso d'acqua si presenta con fondo ed arginature irregolari. Pur ritenendo opportuno effettuare una campagna di rilievi specifica, si evidenzia l'importante effetto di rigurgito dello Scolmatore dell'Arno e l'inadeguatezza di gran parte delle sezioni, in particolare in destra idraulica.

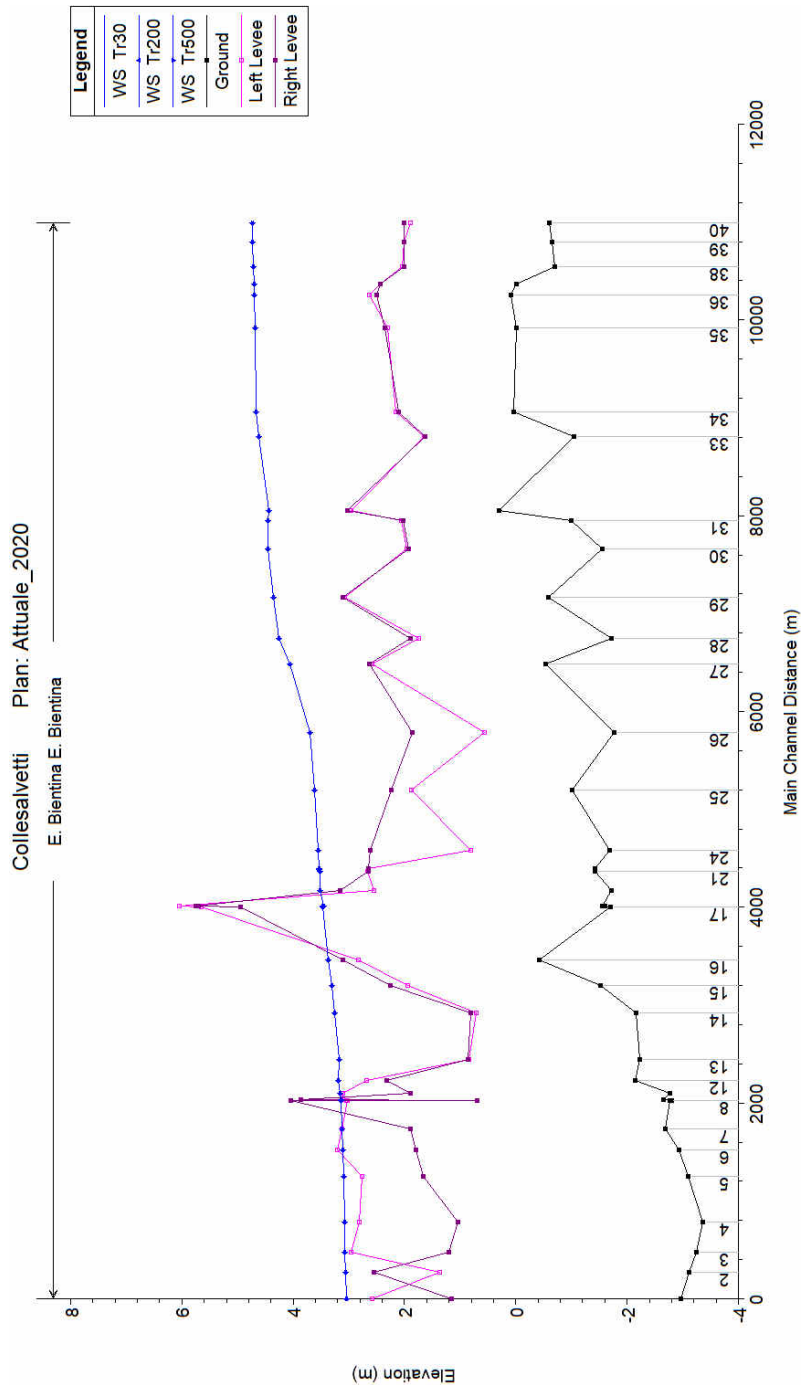


Figura 89 - Profilo idraulico Emissario Bientina

#### 4.2.1.14 Fossa Chiara

Il F. Chiara presenta problematiche dovute in particolare al rigurgito dello Scolmatore che influenza i profili idraulici per circa 3km a monte. Anche in questo caso, analogamente al caso dell’Emissario Bientina, si evidenzia una profonda irregolarità di fondo e degli argini, con diffusi tratti di insufficienza per quasi tutti i tempi di ritorno investigati

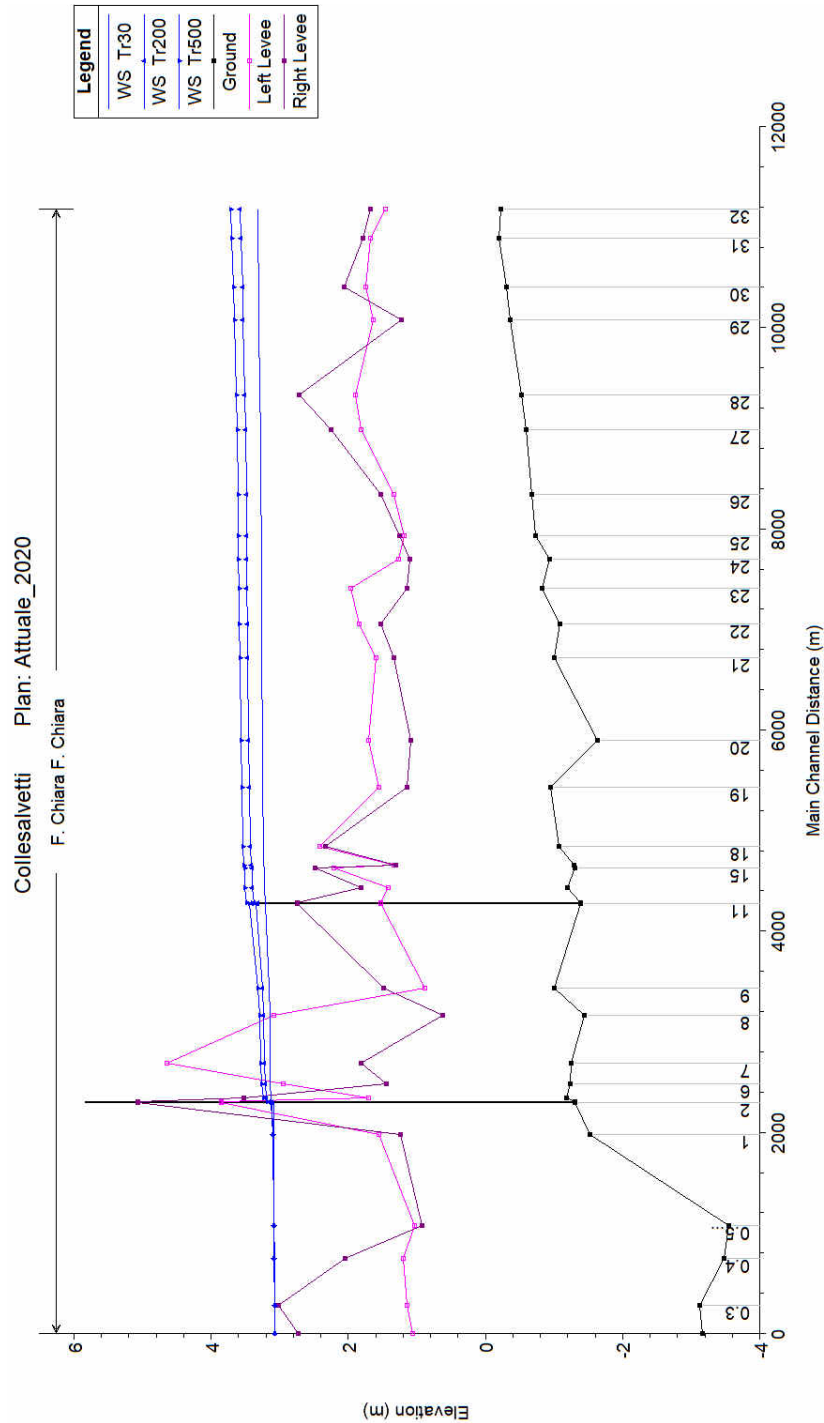


Figura 90 - Profilo idraulico Fossa Chiara

#### 4.2.1.15 Scolmatore

Per quanto riguarda la simulazione monodimensionale del canale Scolmatore, sono state assunte le sezioni tratte dallo studio idraulico del progetto esecutivo di adeguamento del canale.

Basandosi su quanto già riportato nel paragrafo 3.6.3, ed in particolare sui dati forniti dall'Autorità di bacino, opportunamente aggiornati, nel canale sono state assunte le seguenti portate:

Tabella 26: Portate modellate per lo Scolmatore.

Sez.	Immissione	Tr30 (24h)	Tr30 (36h)	Tr200 (24h)	Tr200 (36h)
131.1	Arno/Usciana	1173.31	1137.63	1403.37	1405.96
88	Zannone/Crespina	1173.31	1138.19	1452.8	1454.4
83	Orcina	1173.31	1138.19	1464.05	1459.79
73	Isola	1176.57	1155.97	1563.22	1535.02
49	Tora	1194.85	1240.85	1782.18	1700.94
21	Fossa nuova	1235.04	1277.2	1847.28	1757.36
9	Emissario/Navicelli/Fossa Chiara	1480.4	1512.03	2145.22	2037.78

Per quanto riguarda invece la condizione di valle, è stata assunta un'elevazione del livello marino pari a 0.80 m slm. Dalle simulazioni condotte per il precedente studio del 2015 era comunque emerso quanto poco la variazione di detta elevazione incidesse sul profilo idraulico, in quanto a causa delle elevate portate in arrivo il punto di equilibrio delle spinte idrodinamiche è spostato ben più a largo della sezione terminale del tratto analizzato.

Il coefficiente di Manning è stato posto uguale a 0.025. La simulazione idraulica è stata effettuata per tempi di ritorno pari a 30 e 200 anni e per durate di 24 e 36h. In tutti gli scenari la portata liquida è ben al di sopra della sommità arginali, con problematiche che pertanto risultano essere diffuse in tutta l'asta fluviale, in particolare nel territorio del Comune di Collesalveti.

Solo nella parte a monte le condizioni d'alveo risultano essere meno critiche ed una riduzione dei livelli liquidi per effetto delle esondazioni fa ipotizzare il contenimento delle portate nelle sezioni disponibili. A valle, invece, l'effetto combinato dell'incremento di portata e della riduzione della pendenza di fondo (dovuta al progressivo interrimento del corso d'acqua) contribuisce ad innalzare i livelli liquidi, che crescono sensibilmente, in particolare a partire dall'immissione del Tora (sez. 49).

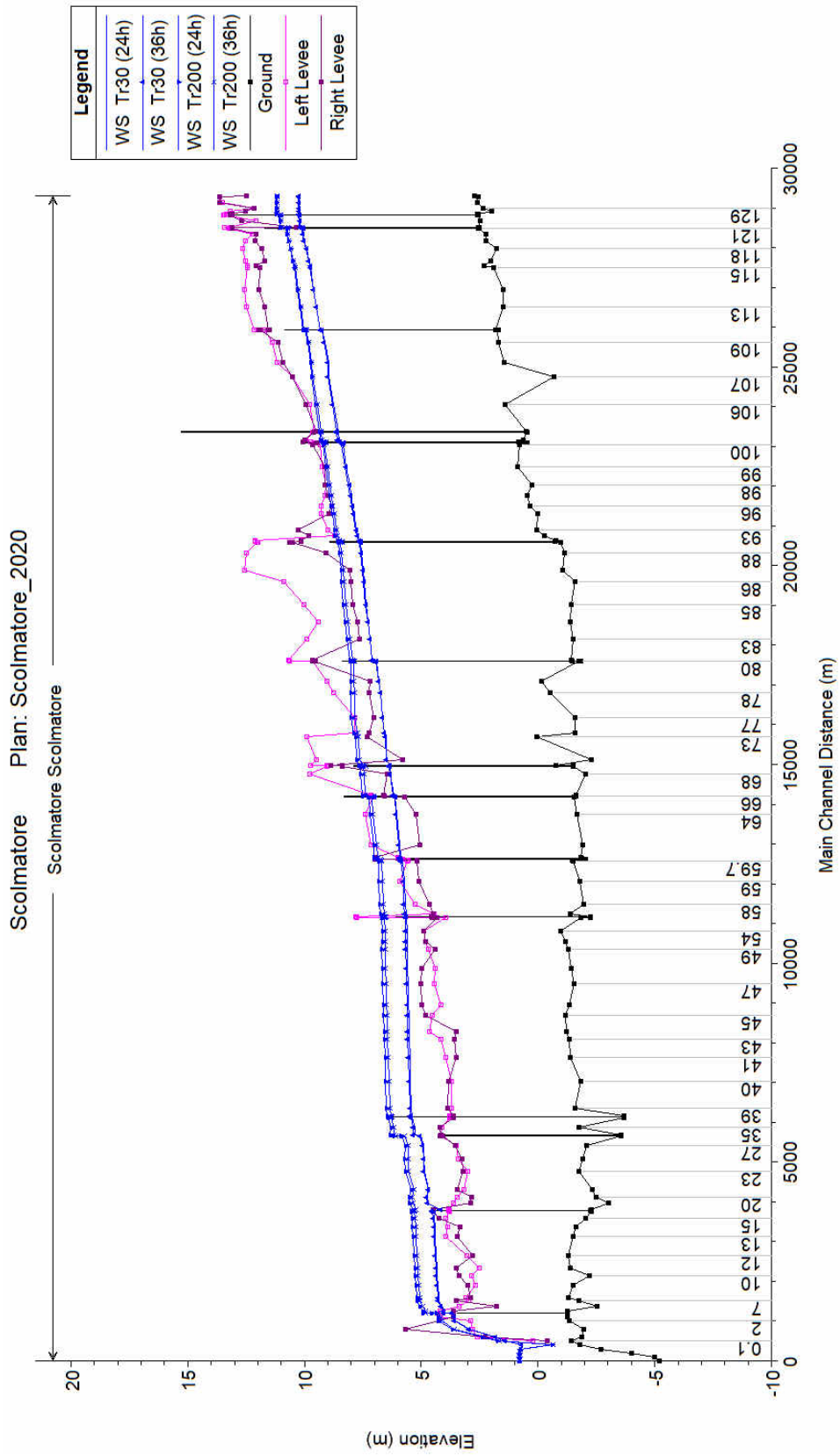


Figura 91 - Profilo idraulico Scolmatore

Le simulazioni sono state condotte anche nell'ipotesi di verificare le capacità limite allo stato attuale. In particolare sono state considerate tre portate costanti sull'intero tratto:

- 500 mc/s, pari alla portata ordinaria per le piene del solo bacino dello Scolmatore;
- 1000 mc/s, pari alla portata corrispondente al manifestarsi di criticità;
- 1400 mc/s, pari alla portata di progetto.

La prima portata risulta defluire in sicurezza, salvo in alcuni tratti (sezioni 40-41) in cui potrebbero verificarsi piccoli sormonti.

Ipotizzando un coefficiente di scabrezza pari a 0.025, si nota come la portata di 1000 mc/s rappresenti invece effettivamente una condizione limite, oltre la quale si hanno fenomeni di esondazione (Figura 92) e criticità anche per i vari affluenti, che vengono rigurgitati fino alle quote arginali, specialmente nel tratto terminale (Emissario Bientina, Fossa Chiara, Antifosso, Acquechiare,..). Le principali criticità si hanno nel tratto antistante l'Interporto sia in destra che in sinistra idraulica.

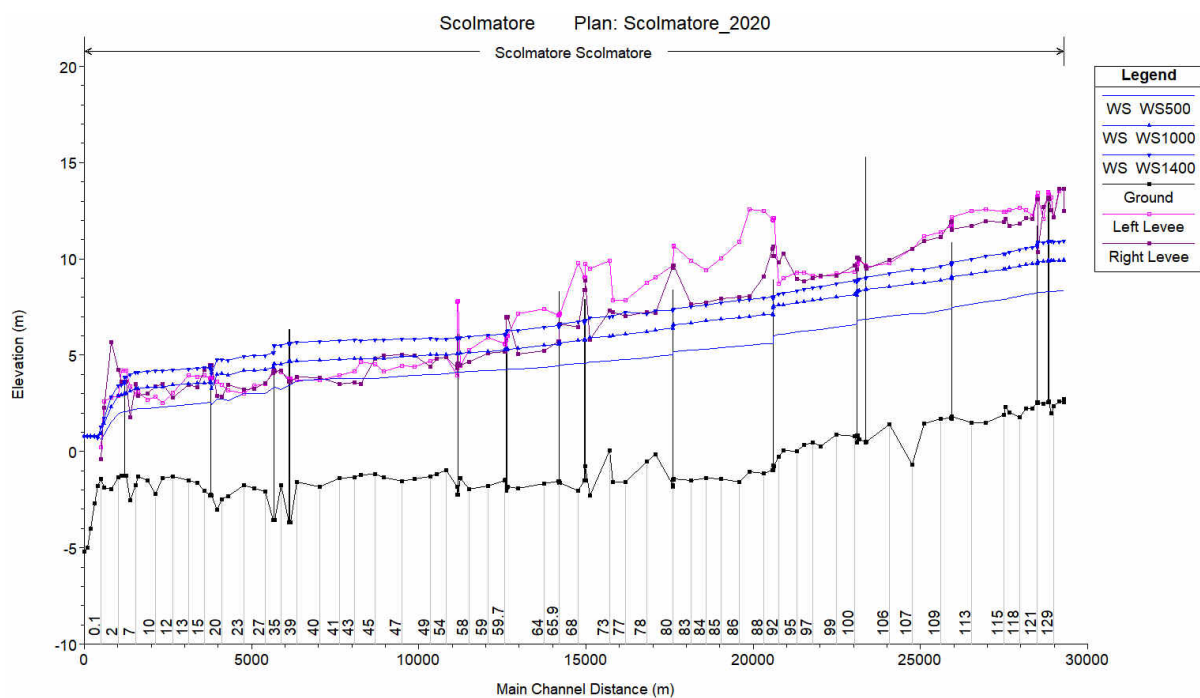


Figura 92 - Profilo idraulico Scolmatore (per portate di 500, 1000, 1400 mc/s)

### 4.3 ANALISI IN MOTO VARIO

La costruzione del modello digitale del terreno è realizzata mediante l'utilizzo di punti georeferenziati di coordinate x,y,z frutto dell'acquisizione Lidar. La definizione dei coefficienti di scabrezza è stata fatta distinguendo il moto nei canali e quello nella piana alluvionale. Nel primo caso si è assunto un valore  $n=0.03$ , mentre nel secondo si è fatto riferimento a valori di letteratura associati ai codici di uso del suolo del Land Corine Cover (vedasi Pestana et al., 2014), e riportati nella seguente tabella.

Tabella 27: Coefficienti di scabrezza impiegati nel modello bidimensionale.

Codice	Nomi categorie CORINE Toscana 2012	n
111	Zone residenziali a tessuto continuo	0.23
112	Zone residenziali a tessuto discontinuo	0.115
1121	Pertinenza abitativa, edificato sparso	0.115
121	Aree industriali, commerciali e servizi pubblici e privati	0.23
1211	Depuratori	0.23
1212	Impianto fotovoltaico	0.23
122	Reti stradali, ferroviarie ed infrastrutture tecniche	0.038
1221	Strade in aree boscate	0.038
123	Aree portuali	0.07
124	Aeroporti	0.23
131	Aree estrattive	0.104
132	Discariche, depositi di rottami	0.115
133	Cantieri, edifici in costruzione	0.115
141	Aree verdi urbane	0.02
1411	Cimitero	0.02
142	Aree ricreative e sportive	0.023
210	Seminativi irrigui e non irrigui	0.043
2101	Serre	0.043
2102	Vivai	0.043
211	Seminativi non irrigati	0.043
212	Suolo permanentemente irrigato	0.043
213	Risaie	0.023
221	Vigneti	0.043
222	Frutteti	0.043
2221	Arbicoltura	0.043
223	Oliveti	0.043
231	Prati stabili	0.298
241	Colture temporanee associate a colture permanenti	0.043
242	Sistemi colturali e particellari complessi	0.023
243	Colture agrarie con presenza di spazi naturali importanti	0.058
244	Aree agroforestali	0.058

311	Boschi di latifoglie	0.23
312	Boschi di conifere	0.127
313	Boschi misti di conifere e latifoglie	0.23
321	Pascoli naturali e praterie	0.039
322	Brughiere e cespuglieti	0.058
323	Vegetazione sclerofilla	0.058
324	Vegetazione boschiva ed arbustiva in evoluzione	0.058
331	Spiagge, dune e sabbie	0.138
332	Rocce nude, falesie, rupi, affioramenti	0.104
333	Vegetazione rada	0.104
3331	Casse parafuoco	0.104
334	Aree percorse da incendi	0.104
411	Paludi interne	0.115
421	Paludi salmastre	0.1
423	Zone intertidali	0.1
511	Corsi d'acqua, canali ed idrovie	0.035
512	Specchi d'acqua	0.035
521	Lagune	0.03
523	Mare	0.03

Le modellazioni e simulazioni idrauliche sono state eseguite in modo del tutto analogo al precedente studio del 2015 secondo il seguente schema:

- sull'intero territorio vallivo, su griglia complessiva di 17.5x10 km con celle di 10x10 m;
- sul Fossa Nuova, su griglia di 10x3 km e celle 10x10 m;
- sul Fossa Chiara ed Emissario Bientina, su un'area 12.4x2.8 km e celle 10x10 m;
- nel tratto del torrente Ugione le cui esondazioni possono interessare il comune di Collesalveti, su una griglia di estensione 5.5x3.5 km con celle di dimensione 5x5 m;
- in corrispondenza dell'abitato del Crocino (Fosso della Morra) per un'area di 1.77x1.11 km con celle di dimensione 2x2 m;
- per il canale Scolmatore, su griglia di dimensioni 17.5x8km e celle 10x10m.

Per il canale Scolmatore, le simulazioni sono state svolte per i tempi di ritorno di 30 e 200 anni, non avendo a disposizione dati sul tempo di ritorno di 500 anni (come già avvenuto per lo studio del 2015). La base topografica è costituita da dal LIDAR. La zona dell'Interporto, oggetto di recenti modifiche morfologiche è stata integrata con dati di rilievi specifici forniti per il tramite dell'Amministrazione che individuano la quota terreno a circa +1.85 m sul l.m.m. Sono stati inoltre aggiunti gli argini del nuovo colatore est di cui al paragrafo 2.1.5



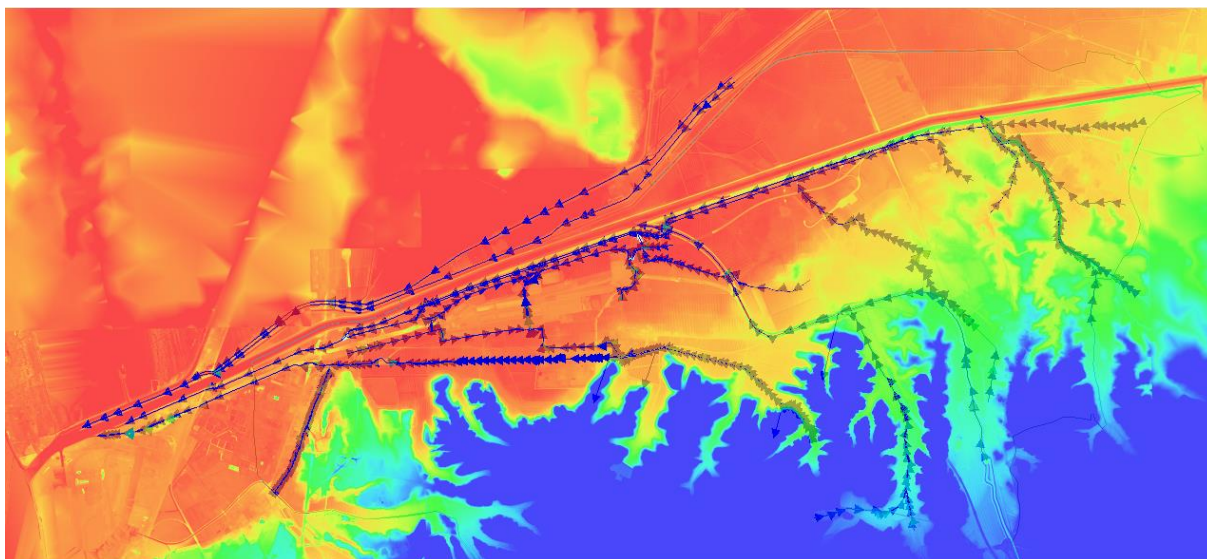


Figura 93 - Griglia di calcolo per il territorio vallivo

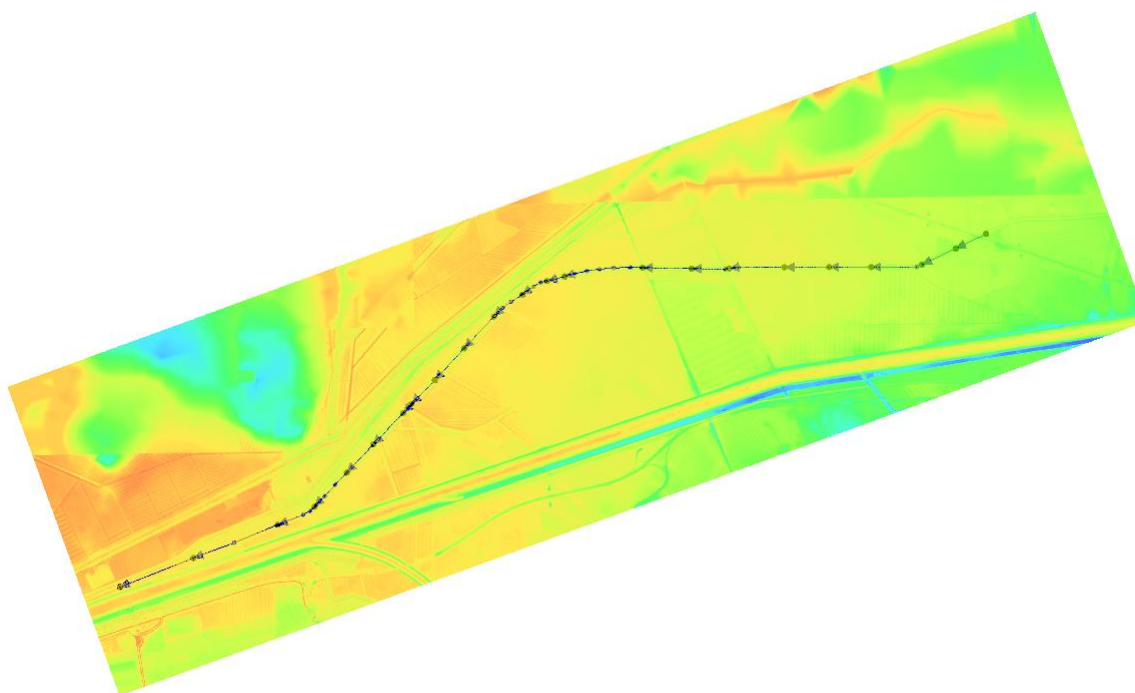


Figura 94 - Griglia di calcolo per Fossa Nuova

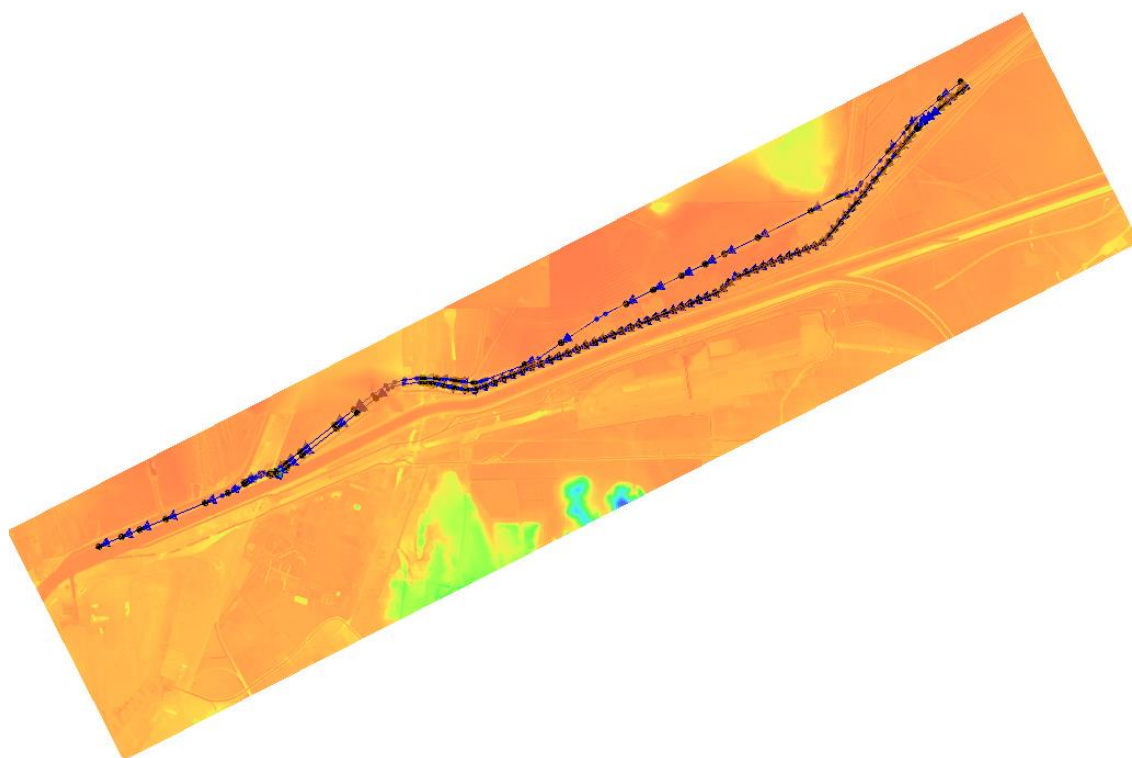


Figura 95 - Griglia di calcolo per Fossa Chiara ed Emissario Bientina

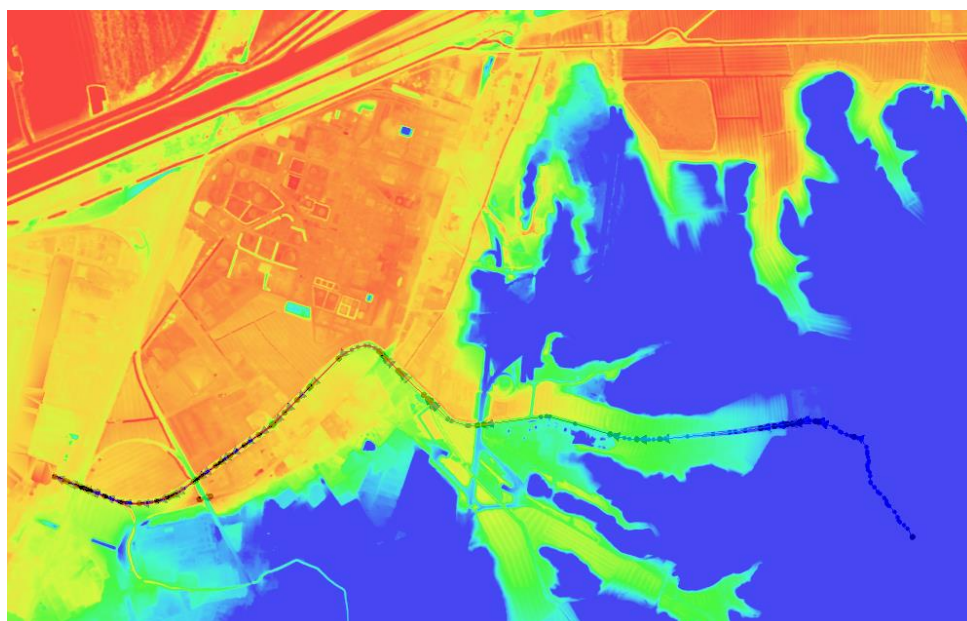


Figura 96 - Griglia di calcolo per il T. Ugione

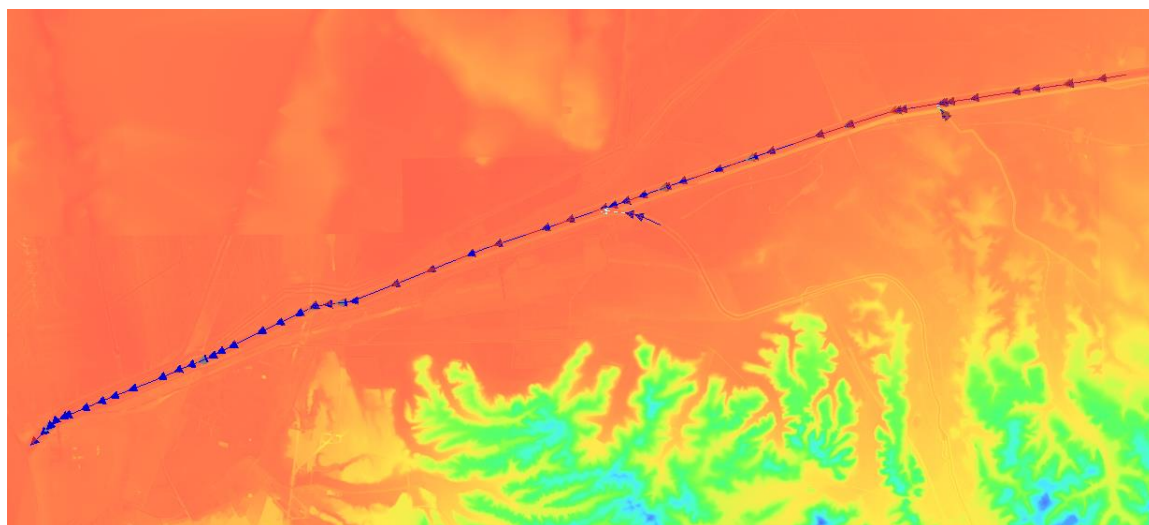


Figura 97 - Griglia di calcolo per lo Scolmatore

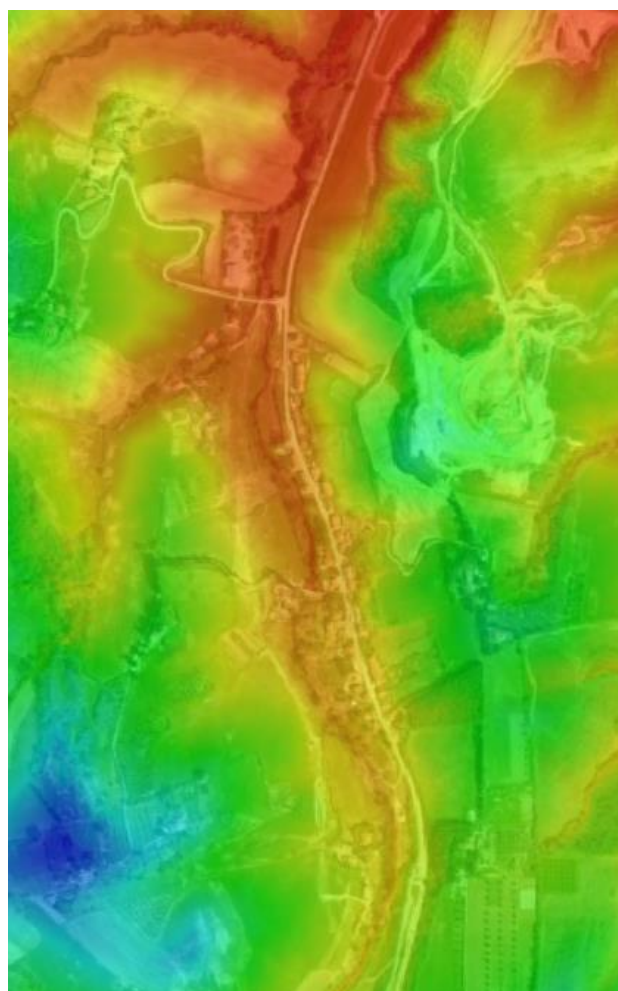


Figura 98 - Griglia di calcolo per il Fosso della Morra al Crocino

La suddivisione è scaturita per una migliore rappresentazione delle aree allagate e per meglio individuare le criticità dei singoli corsi d'acqua.

Le analisi idrauliche sono state condotte considerando i contributi dei corsi d'acqua e dei bacini al loro valore idrologico. Il modello impiegato è del tipo 1D/2D, in cui i canali sono analizzati nel dominio 1D e nell'evenienza in cui il livello liquido raggiuga la sommità arginale, si innesca la propagazione bidimensionale sul territorio circostante. L'interfaccia 1D-2D è di tipo bidirezionale, cioè consente la propagazione da e verso il canale, in funzione delle condizioni topografiche. La scelta di procedere con il modello misto 1D/2D anziché con quello puramente bidimensionale è derivato da due fattori:

- le dimensioni delle celle di calcolo adottate non avrebbero consentito nella maggior parte del territorio di ben rappresentare i corsi d'acqua;
- il dato lidar spesso non consente di definire correttamente la topografia alveale dei corsi d'acqua.

Esclusivamente per l'analisi del Fosso della Morra al Crocino, data la limitata estensione del modello e la buona qualità del lidar, è stata eseguita un'analisi interamente bidimensionale, in cui sono state inserite puntualmente le opere d'arte, tra le quali il sottopasso della nuova rotatoria.

Le sezioni analizzate sono state prese dagli studi esistenti dove disponibili. Negli altri casi si è fatto riferimento alle sezioni ricavate dai dati Lidar, integrati con misure specifiche per manufatti e singolarità.



## 5. DEFINIZIONE DEGLI ELABORATI GRAFICI

Dalle simulazioni idrauliche svolte per tempi di ritorno di 30, 200 e 500 anni (eccetto per il canale Scolmatore per il quale si hanno a disposizione i valori delle portate per Tr 30 e 200 anni), si sono ricavate le aree soggette ad esondazione, i relativi battenti idrici, le velocità di esondazione e di conseguenza la magnitudo e le carte di pericolosità.

In particolare, dalla estensione delle aree di esondazioni e considerando il valore della pericolosità maggiore tra quelli insistenti in una determinata zona e proveniente da differenti simulazioni, si sono determinate le carte di pericolosità ai sensi del PGRA:

- P3 (frequenti): a eventi con tempo di ritorno  $Tr \leq 30$  anni;
- P2 (poco frequenti): a eventi con tempo di ritorno  $Tr \leq 200$  anni;
- P1 (rare): a eventi con tempo di ritorno  $Tr \leq 500$  anni.

I battenti idrici riportati graficamente per le esondazioni con tr pari a 200 anni, rappresentano il massimo valore per un determinato corso/corsi d'acqua oggetto di simulazione e suddivisi nelle relative tavole. Per determinare quindi il massimo valore del battente idrico di esondazione in una determinata zona, è necessario confrontare il valore dei battenti idrici delle eventuali esondazioni che insistono in tale zona e provenienti da differenti corsi d'acqua.

Analoga osservazione può essere svolta per le velocità delle correnti di esondazione di cui si riporta il valore massimo per ogni simulazione con tr di 200 anni.

Le tavole della magnitudo sono realizzate secondo la lettera *h* del c.1 dell'art. 2 della LR41/2018 e smi.

Non sono state considerate le problematiche legate al drenaggio delle singole zone di territorio e eventuali occlusioni, crolli di tombamenti, ponti ed eventi simili.

Tra gli elaborati grafici, vi è anche l'individuazione delle aree presidiate dai sistemi arginali e le aree di fondovalle.

In particolare, per le prime, si è seguito quanto riportato alla lettera *s* del c.1 dell'art. 2 della LR41/2018 e smi. Il dato di partenza per determinare la quota del piede arginale è il lidar. Per la determinazione delle aree protette dagli argini, oltre ad opportuni sopralluoghi, è stato effettuato una analisi visiva delle sezioni che si possono trarre da lidar e non sono stati considerati argini quelle forme con sagoma irregolare, presenti per tratti brevi e con altezza inferiore ai 50 cm rispetto al terreno circostante.

In merito alle aree di fondovalle, di cui al punto B.4 dell'allegato A (*Direttive tecniche per lo svolgimento delle indagini geologiche, idrauliche e sismiche.*) del DPGR 5/R/2020, si evidenzia che le

aree indicate sono solo quelle esterne alle zone oggetto di simulazione e modellazione idraulica. La loro individuazione si basa sul dato lidar. Come criterio di individuazione di tali aree, osservando il profilo dei corsi di acqua, si è assunto che le aree di fondovalle possano ragionevolmente essere definite quando la pendenza del corso d'acqua diventa inferiore all'1%. Si tenga presente che nella piana di Collesalveti, dove in effetti si è eseguita la modellazione idraulica e non è quindi necessario individuare le aree di fondovalle, le pendenze sono di uno o due ordini inferiori rispetto all'1%. In Figura 99 si riporta un esempio di quanto detto in merito alla individuazione delle aree di fondovalle per il Rio Tanna.

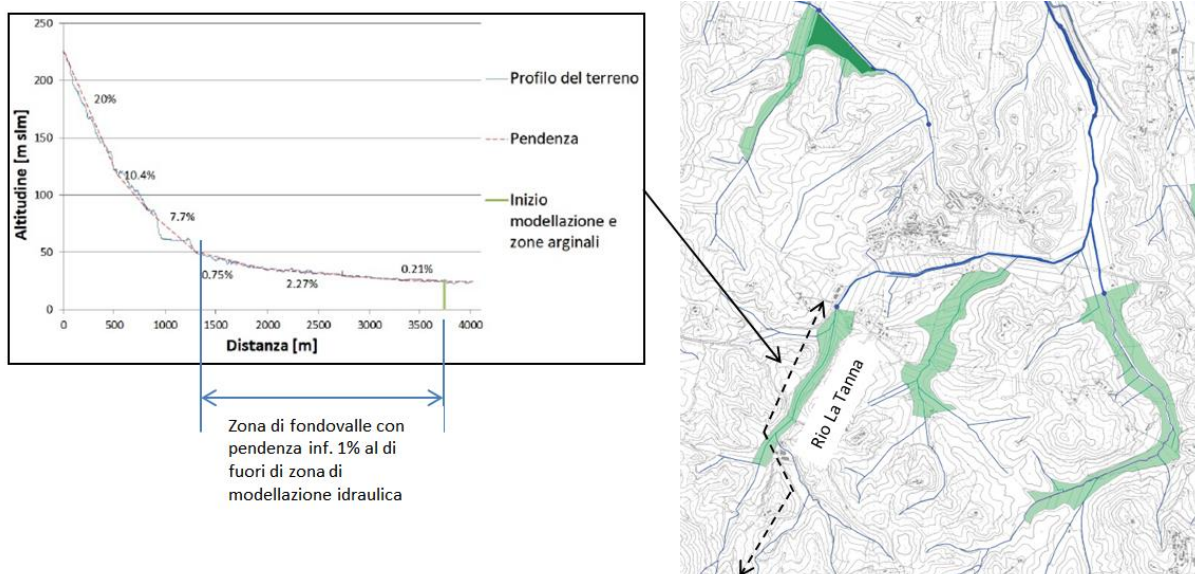


Figura 99 - Esempio di individuazione dell'area di fondovalle per il Rio Tanna

## 6. CRITICITÀ E POSSIBILI INTERVENTI

Trattandosi di una rete idraulica particolarmente complessa si farà riferimento prevalentemente ad interventi già previsti in precedenti studi, aggiornandoli e giustificandoli alla luce delle indagini effettuate. In particolare si ripercorre quanto già riportato nel precedente studio idrologico-idraulico del 2015. Ovviamente studi di dettaglio potranno individuare soluzioni diverse da quelle proposte purché efficaci per la riduzione del rischio idraulico.

### 6.1 F. Isola

Il torrente Isola presenta insufficienze diffuse fino alla confluenza con il T. Tavola. Il suo sbocco è completamente svincolato dai livelli idrici che si registrano nello Scolmatore dell'Arno ed è regolato dalla presenza di un manufatto idraulico con soglia sfiorante e bocca di fondo. Tale manufatto provoca rigurgiti che in generale non sono contenuti in alveo. Pertanto i problemi di rischio idraulico possono essere attenuati aumentando la capacità di deflusso al manufatto finale e più in generale provvedendo all'adeguamento delle sezioni in gran parte del corso d'acqua. Punti critici si hanno anche in presenza di manufatti di attraversamento (per esempio Ponte sulla Tavola) di cui è opportuno provvedere ad un adeguamento. Altri sistemi di mitigazione del rischio possono essere associati alla creazione di aree per laminazione delle piene che però devono essere opportunamente individuate anche al di fuori del Comune di Collesalveti. Queste casse di espansione devono essere dimensionate per diminuire la portata a circa 40-45 mc/s corrispondente ai valori che possono defluire senza dar luogo ad esondazioni.

### 6.2 F. Fologno e Fattoria

Le problematiche evidenziate richiedono diverse tipologie di intervento:

- Sostituzione di attraversamenti (in particolare quello della ferrovia e quelli presenti nell'area artigianale di Collesalveti- Figura 100)
- Risagomatura di sezione in particolare in prossimità dell'abitato di Vicarello
- Risagomatura d'alveo nel tratto terminale fino alla confluenza con il fosso Fattoria;
- Ricalibratura ed approfondimento del fosso di Fattoria

Per il fosso Fologno si può ipotizzare anche l'impiego di aree di laminazione nel tratto iniziale (prima dell'attraversamento impianto Ecomar).



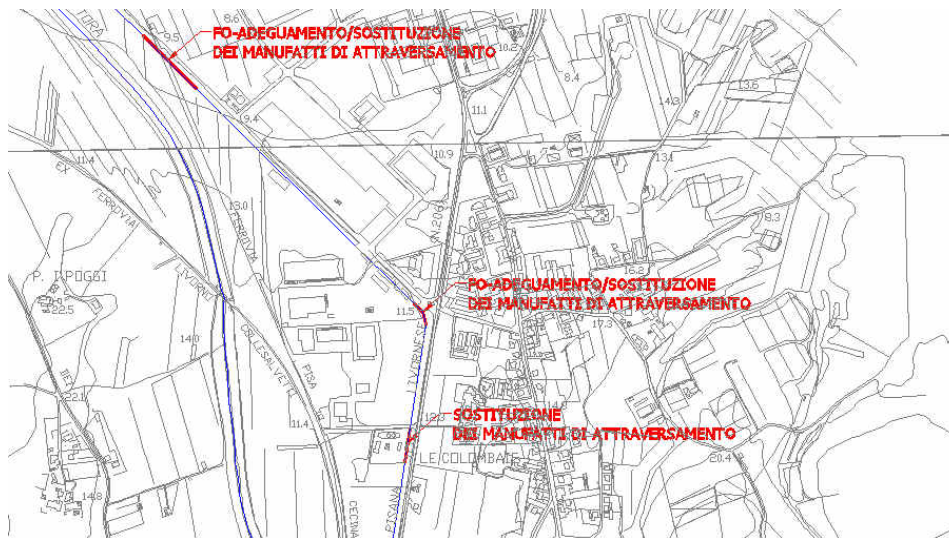


Figura 100 - Interventi su manufatti idraulici lungo il F. Fologno

Altri interventi possibili consistono del delimitare le aree allagabili in sinistra idraulica del Fosso Fattoria conferendo una destinazione simile a quelle delle casse di espansione.

### 6.3 F. Marignano

Le criticità del Fosso di Marignano possono essere superate provvedendo alla risagomatura del corso d'acqua ed alla sostituzione dei manufatti di attraversamento esistenti. La sezione tipo della parte a monte la confluenza con il fosso Fontino deve essere adeguata alla portata duecentennale (circa 19.5 mc/s) e può essere ottenuta portando la larghezza a circa 3.5 m e la profondità a circa 1.6 m come nella Tabella 28.

Tabella 28: sezione per il deflusso della portata duecentennale nel Fosso Marignano.

geometria:	trapezia
base inferiore:	4.5 m
profondità idraulica massima:	1.6 m
scarpa:	1.5
scabrezza (Manning)	0.03
Pendenza:	0.0025
Area:	11.2 mq
Contorno bagnato:	10.37 m
Raggio idraulico:	1.08 m
Portata moto uniforme (f. Manning):	19.65 mc/s

## 6.4 T. Tora

Il torrente Tora presenta criticità nel tratto in corrispondenza della confluenza con il T. Tanna. Le problematiche sono presenti esclusivamente per la portata duecentennale e possono essere risolte procedendo con la realizzazione di casse di laminazione nel tratto a monte al fine di ridurre le portate in arrivo. E' possibile anche intervenire localmente nel tratto in corrispondenza della confluenza sia con risagomature di sezione sia provvedendo ad una modifica dei manufatti idraulici esistenti che nelle condizioni attuali sono responsabili degli innalzamenti del profilo liquido.

Lo Scolmatore dell'Arno provoca fenomeni di rigurgito nel tratto terminale (per circa 2000m dalla confluenza) per portate dello Scolmatore superiori a 800-900 mc/s e possono verificarsi nel caso si dia seguito agli interventi di potenziamento ed adeguamento dello Scolmatore (finalizzati a far defluire una portata di 1400 mc/s). In questo caso si rimanda alle soluzioni proposte nel suddetto intervento, consistente in un adeguamento delle sommità arginali e nella sostituzione del ponte ad arco in loc. Mortaiolo (vedasi Progetto preliminare per l'adeguamento e potenziamento dello Scolmatore d'Arno- Provincia di Pisa- 2007).

## 6.5 Antifosso Fosso Reale - Torretta

Le problematiche del fosso sono diverse a seconda del tratto analizzato. Il tratto a monte della botte a sifone sotto il T. Tora è caratterizzato da insufficienze diffuse sia per mancanza di argini adeguati sia per scarsa capacità di deflusso del corso d'acqua. Pertanto è necessario intervenire mediante risagomatura dell'alveo con formazione di nuovi argini individuando, ove necessario, aree per l'accumulo temporaneo delle acque.

Il tratto a valle risente invece del rigurgito dello Scolmatore. In questo caso è necessario procedere ad un adeguamento della sezione per tutto il tratto in modo da contenere gli incrementi di livello liquido.

## 6.6 F. Acqua Salsa - Acquechiare

Il fosso è fortemente influenzato dal rigurgito dello scolmatore e da diffuse insufficienze specialmente nel tratto terminale (Acqua Chiara) che provocano innalzamenti del profilo idraulico per un tratto di circa 9 km dallo sbocco. Tale situazione è stata già oggetto di diversi studi e progetti (in particolare da parte del Consorzio di Bonifica Ufficio Fiumi e Fossi) che hanno già dato luogo a primi interventi di messa in sicurezza (realizzazione di due casse di espansione ad est dell'abitato di Guasticce e risagomatura d'alveo tra Guasticce e l'ex immissione con il Fosso delle Chiaviche). Ulteriori interventi proposti in detti studi per aumentare la sicurezza idraulica fino ad un tempo di ritorno di 200 anni consistono in:

- Realizzazione di nuove casse di espansione (cassa 1 alla confluenza con il Rio della fontanaccia e cassa 4 in prossimità del Padule, ad est della Bretella di collegamento con

l'Autostrada A12 (Figura 101). Di fatto sono già aree allagabili che necessitano di opere specifiche per essere considerate casse di laminazione

- Creazione di una rete di drenaggio con sollevamento meccanico per lo smaltimento delle acque provenienti dalle colline a sud di Guasticce (Figura 101);
- Adeguamento delle sezioni tra l'ex immissione con il Fosso delle Chiaviche fino all'abitato di Stagno;
- Inserimento di una nuova idrovora a valle dell'abitato di Stagno per la sottrazione di parte delle portate in arrivo; tale idrovora avrà la mandata nel canale Scolmatore.

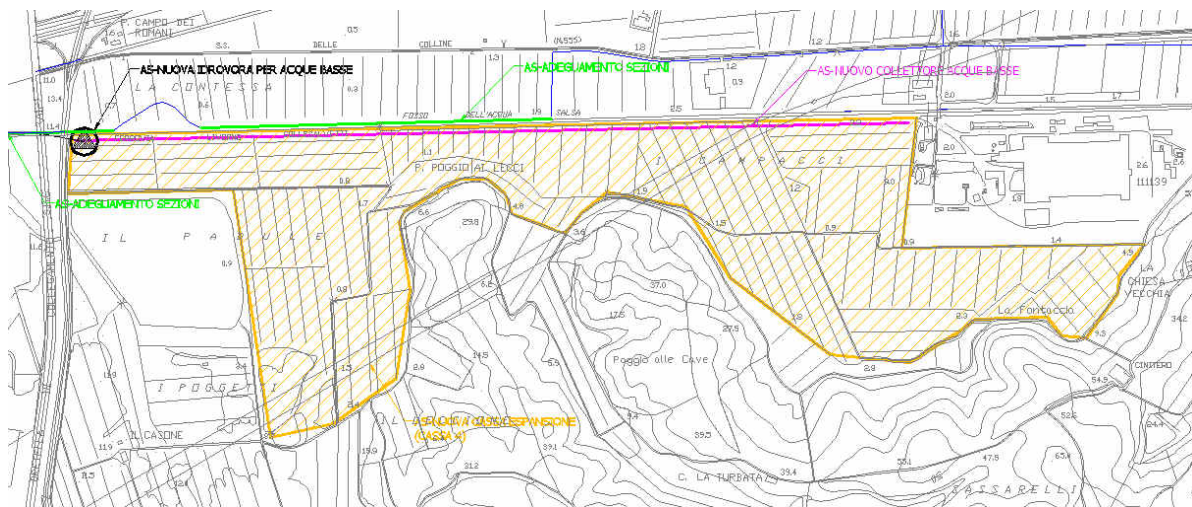


Figura 101 - Nuova cassa di espansione nell'Acqua Salsa e rete di drenaggio a scolo meccanico

- nuova cassa in linea all'inizio del tratto dell'Acquasalsa a monte della cassa n° 2 come da prime indicazioni progettuali del Consorzio



Figura 102 - Nuova cassa in linea all'inizio del F. Acquasalsa



## 6.7 F. Cateratto

Il Cateratto presenta insufficienze di sezione. E' stato redatto dal Consorzio di Bonifica un progetto esecutivo di un nuovo impianto idrovoro che scarichi le acque del Cateratto entro il T. Ugione e due area di laminazione in corrispondenza del F. Acquasalsa e in prossimità dell'Ugione immediatamente a monte della Via Aurelia per le quali sono stati affidati i lavori (Figura 103).

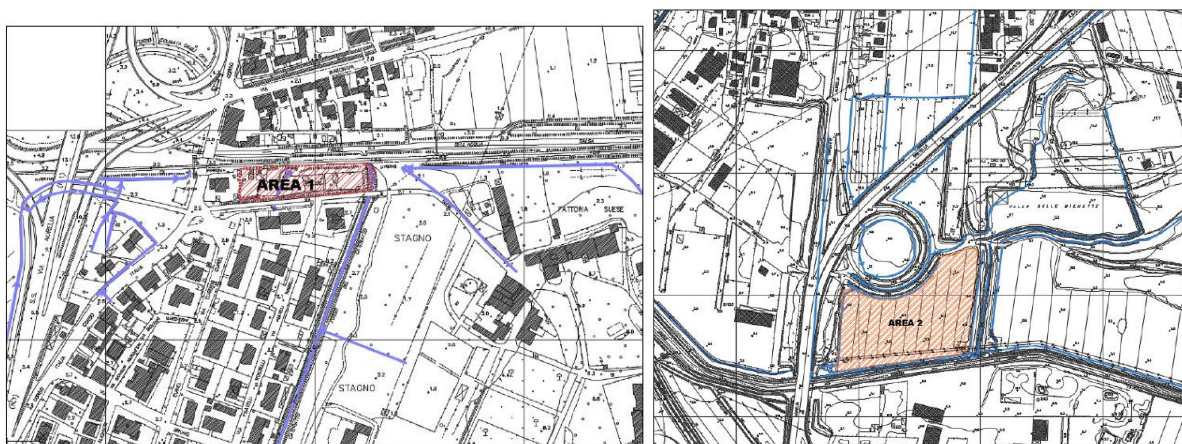


Figura 103 - Aree di laminazione per le quali sono stati affidati i lavori

## 6.8 Biscottino

L'area presenta problematiche connesse alla rete delle acque basse ed alle insufficienze del Canale Emissario del Bientina e del Fosso Chiara (che delimitano l'area rispettivamente a sud e a nord). Tralasciando le problematiche connesse a questi ultimi, si forniscono indicazioni sulla risoluzione del rischio idraulico derivato dalle insufficienze della rete di acque basse esistente che periodicamente provocano esondazioni specialmente nelle aree depresse. L'intervento principale consiste nella eliminazione dell'attuale idrovora (capace di smaltire le portate con circa  $Tr=2$  anni) con un gruppo nuovo capace di smaltire portate fino ed oltre 3 mc/s e abbinando aree da adibire a casse di laminazione delle piene.

## 6.9 Chiaviche est

L'intervento di messa in sicurezza in corrispondenza dell'abitato di Guasticce ha consentito la messa in sicurezza fino alla rotatoria di accesso all'interporto Est. Problematiche residue possono aversi a monte dell'abitato (cui è possibile far fronte con una arginatura a contenimento delle esondazioni a monte dell'abitato di Guasticce in destra idraulica presso il podere Beretta) ed a valle dove è

necessario procedere con una risagomatura d'alveo ed eventualmente con la realizzazione di aree di espansione prima dell'ingresso presso l'interporto.

## 6.10 F. Tora Vecchia

La sistemazione idraulica comporta l'adeguamento della sezione del corso d'acqua al fine di limitare fenomeni di esondazioni. La portata teorica per  $T_r=200$  anni è di circa  $23.4 \text{ m}^3/\text{s}$ . Assumendo una pendenza dello 0.2% a tale sezione può essere assegnata una forma trapezia con base 2.5 m ed altezza 1.8 m come ricavato nella Tabella 29.

Tabella 29: Sezione per il deflusso della portata duecentennale del Fosso Tora Vecchia.

geometria:	trapezia
base inferiore:	3.2 m
profondità idraulica massima:	1.8 m
scarpa:	1.5
scabrezza (Manning)	0.03
Pendenza:	0.002
Area:	14.4 mq
Contorno bagnato:	12.42 m
Raggio idraulico:	1.16 m
Portata moto uniforme (f. Manning):	23.69 mc/s

La conformazione proposta dovrà comunque essere riverificata alla luce di rilievi di dettaglio che forniscano le esatte caratteristiche delle pendenze e degli attraversamenti esistenti.

## 6.11 Fossa Chiara ed Emissario Bientina

Le principali problematiche sono dovute all'effetto di rigurgito dello Scolmatore ed alle insufficienze arginali, aggravatesi nel tempo anche per effetto di cedimenti e fenomeni di subsidenza. Per ridurre di effetti del rigurgito sono previsti interventi nel progetto più generale di sistemazione dello Scolmatore dell'Arno. Per i problemi di contenimento delle piene è invece necessario prevedere ad una ricalibratura e ricarica arginale estesa in pratica sull'intero tratto di interesse.

## 6.12 Interporto

I corsi d'acqua interni all'Interporto e che interessano anche i terreni circostanti possono essere messi in sicurezza nei confronti delle portate duecentennali ricorrendo o all'incremento delle potenzialità dell'idrovora terminale ricalibrando le sezioni di interesse al fine del contenimento delle portate oppure

prevedendo apposite aree di espansione delle piene su cui convogliare i volumi in eccesso. Tale soluzione che appare la più facilmente attuabile dovrà essere opportunamente valutata a seguito di progetti esecutivi degli interventi urbanistici.

Le aree di laminazione potranno essere ricavate nelle zone a nord dell'Interporto o nelle aree agricole immediatamente a sud.

### 6.13 T. Ugione

Il T. Ugione è oggetto di un progetto di sistemazione e di lavori in fase di esecuzione da parte del Commissario Delegato, Regione Toscana, che prevedono la realizzazione di quattro aree di invaso immediatamente a monte della Via Aurelia ("Int. 2017ELI0151 - Torrente Ugione e affluenti – interventi di adeguamento alveo, casse di espansione e argini comuni di Livorno e Collesalvetti).

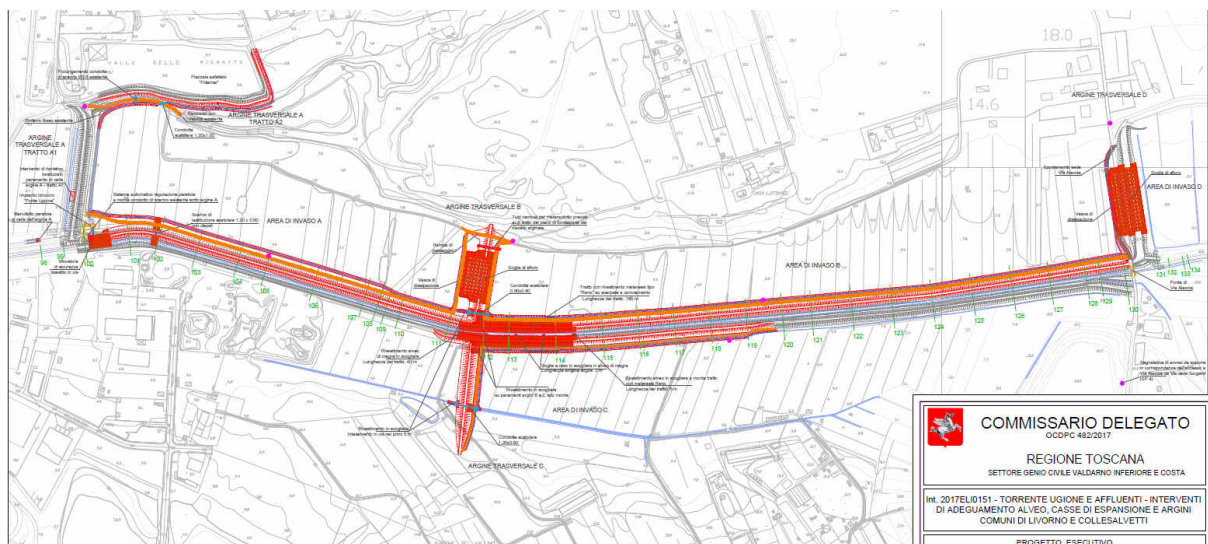


Figura 104 - Interventi previsti per la realizzazione di nuove aree di invaso sull'Ugione a monte della Via Aurelia

## 7. APPENDICE

### 7.1 DESCRIZIONE DEL MODELLO TUFLOW

In appendice si riportano i codici di calcolo del modello TUFLOW, tratti dai capitoli del manuale riguardanti le equazioni che governano le simulazioni. Il TUFLOW (*Two-dimensional Unsteady FLOW*) è un modello bi-dimensionale alle differenze finite in grado di simulare inondazioni e variazioni di marea e comprende sia il programma ESTRY (1D, quasi-2D) sia l'algoritmo di soluzione completamente bidimensionale.

ESTRY è un potente programma in grado di modellare matematicamente le inondazioni e le maree sviluppato da WBM Oceanics Australia e applicato con successo su migliaia di casi relativi sia a

semplici corsi d'acqua (1D) che a situazioni complesse (2D). Il modello si basa sulla soluzione numerica delle equazioni di continuità e della quantità di moto in condizioni non permanenti, considerando anche i termini inerziali.

$$B \frac{\partial \zeta}{\partial t} + \frac{\partial(Au)}{\partial x} = 0 \text{ (Equazione di continuità 1D)}$$

$$\frac{\partial u}{\partial t} + u \frac{\partial u}{\partial x} + g \frac{\partial \zeta}{\partial x} + k \cdot |u| \cdot u = 0 \text{ (Quantità di moto 2D)}$$

dove  $u$  è la velocità alla profondità ed alla larghezza medie,  $\zeta$  è il livello liquido,  $t$  il tempo,  $x$  la distanza,  $A$  l'area della sezione,  $B$  la larghezza,  $k$  il coefficiente che tiene conto delle perdite di

energia:  $K = \frac{g \cdot n^2}{R^{4/3}}$  dove  $n$  è il coefficiente di Manning,  $R$  il raggio idraulico e  $g$  l'accelerazione di gravità.

Tali equazioni sono risolte nel TUFLOW mediante la tecnica di Runge-Kutta alle differenze finite e la soluzione 1D è determinata tenendo conto di termini fondamentali quali la propagazione delle onde, l'attrito al fondo (equazione di Manning), i termini inerziali.

Unitamente agli scenari di un normale canale a pelo libero, ESTRY è inoltre in grado di modellare regimi di corrente subcritici e supercritici, canali non inerziali, tombini circolari e rettangolari, ponti, stramazzi, strutture definite dall'utente e canali unidirezionali.

Per quanto riguarda l'algoritmo completamente bidimensionale, il TUFLOW risolve le equazioni bidimensionali del livello liquido in acque basse (SWE). Queste sono utilizzate per modellare le onde lunghe causate, per esempio, dalle maree, dalle piene o da improvvisi ed importanti innalzamenti del livello liquido. Tali equazioni sono ricavate sotto le ipotesi che lungo la verticale la velocità orizzontale sia uniforme e sia trascurabile l'accelerazione rendendo dunque valida la distribuzione idrostatica delle pressioni. Queste ipotesi sono valide dove la lunghezza d'onda è molto più grande della profondità d'acqua. Quanto appena descritto si traduce nelle equazioni differenziali riportate di seguito:

$$\frac{\partial \zeta}{\partial t} + \frac{\partial(Hu)}{\partial x} + \frac{\partial(Hv)}{\partial y} = 0 \text{ (Equazione di continuità 2D)}$$

$$\frac{\partial u}{\partial t} + u \frac{\partial u}{\partial x} + v \frac{\partial u}{\partial y} - c_f \cdot v + g \frac{\partial \zeta}{\partial x} + g \cdot u \frac{\sqrt{u^2 + v^2}}{C^2 \cdot H} - \mu \left( \frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} \right) + \frac{1}{\rho} \frac{\partial p}{\partial x} = F_x \text{ (Quantità di moto)}$$

lungo l'asse x)

$$\frac{\partial v}{\partial t} + u \frac{\partial v}{\partial x} + v \frac{\partial v}{\partial y} + c_f \cdot u + g \frac{\partial \zeta}{\partial x} + g \cdot v \frac{\sqrt{u^2 + v^2}}{C^2 \cdot H} - \mu \left( \frac{\partial^2 v}{\partial x^2} + \frac{\partial^2 v}{\partial y^2} \right) + \frac{1}{\rho} \frac{\partial p}{\partial y} = F_y \text{ (Quantità di moto)}$$

lungo l'asse y)

dove  $\zeta$  è l'elevazione della livello liquido,  $u$  e  $v$  le componenti della velocità alla profondità media rispettivamente lungo l'asse  $x$  e  $y$ ,  $H$  la profondità d'acqua,  $t$  il tempo,  $x$  ed  $y$  le distanze lungo le





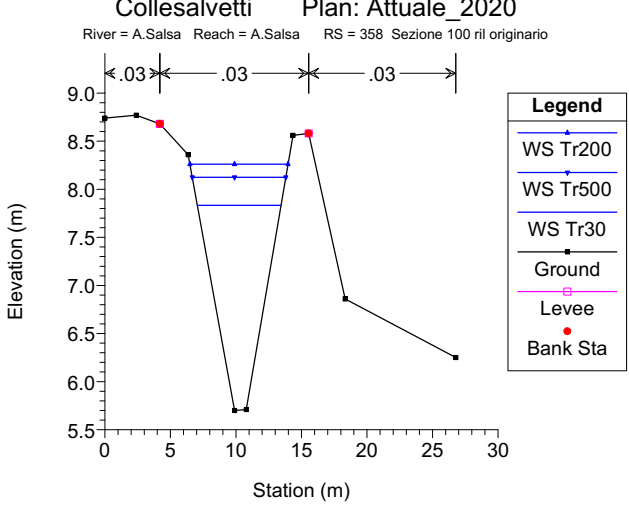
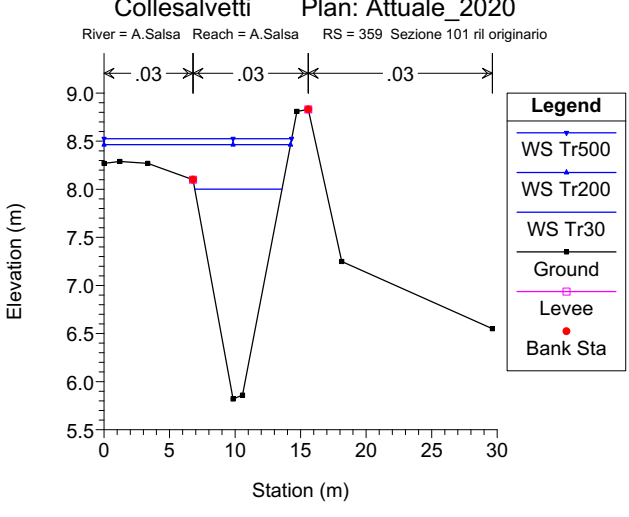
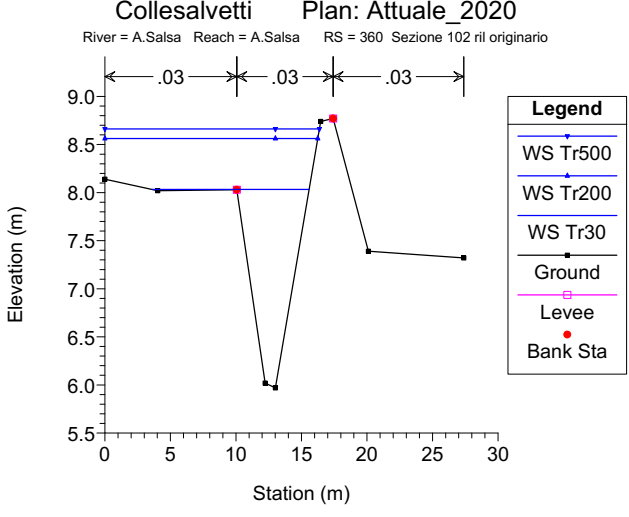
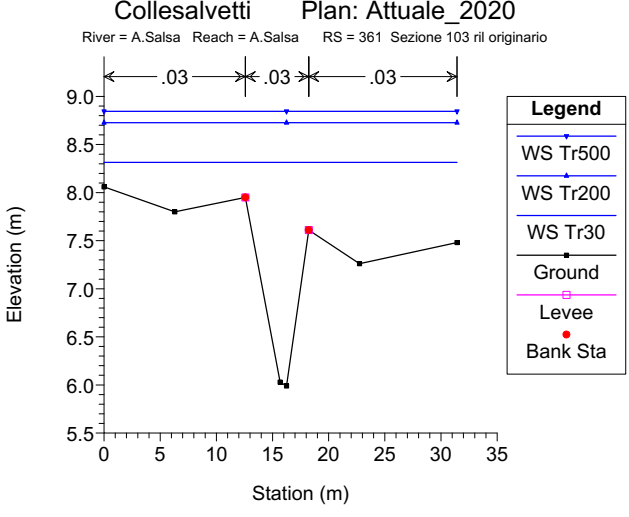
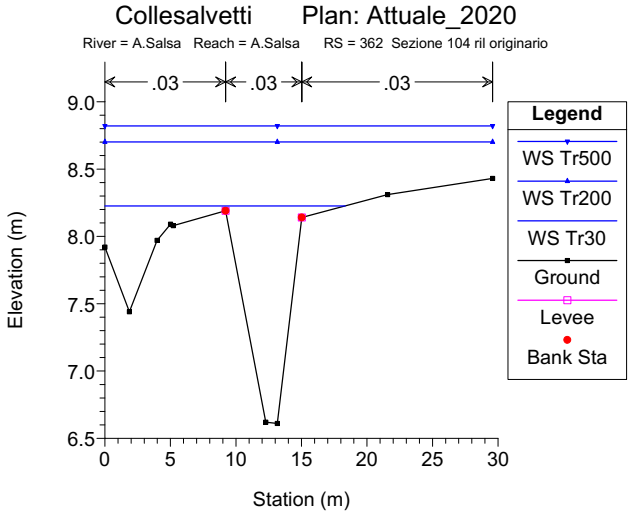
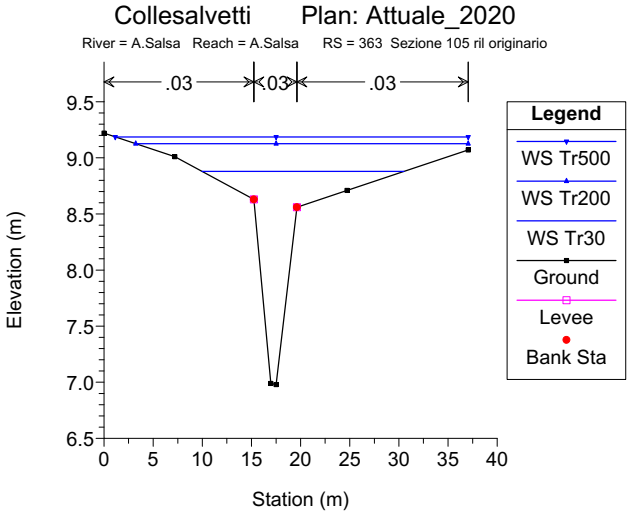
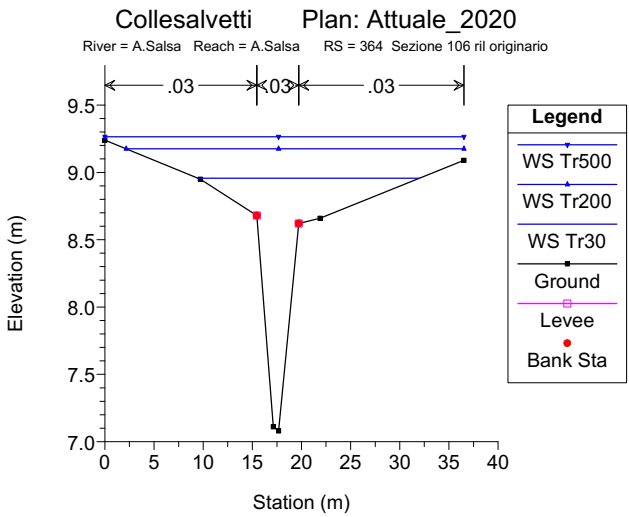
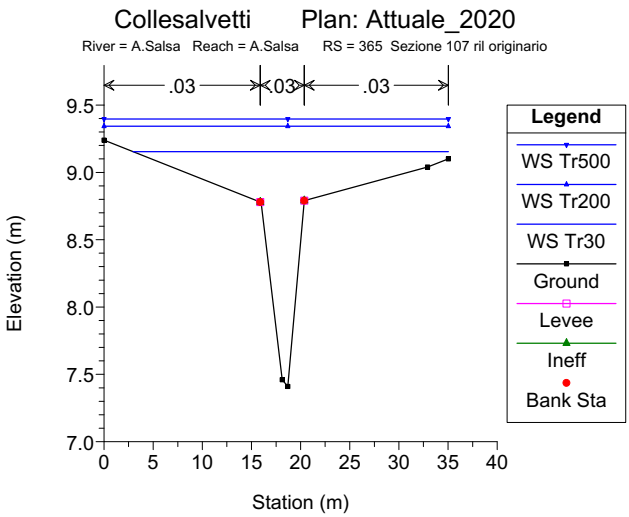
rispettive direzioni,  $c_f$  il coefficiente di Coriolis,  $C$  il coefficiente di Chezy,  $\mu$  il coefficiente di diffusione orizzontale,  $p$  la pressione atmosferica,  $\rho$  la densità dell'acqua,  $F_x$  e  $F_y$  la somma delle componenti delle forze esterne lungo l'asse  $x$  e  $y$ , rispettivamente. I termini delle equazioni appena scritte sono da attribuirsi a differenti fenomeni fisici: la propagazione delle onde dovute alle forze gravitazionali, i fenomeni di diffusione ed avvezione, le azioni delle forze esterne come attrito al fondo, rotazione della terra, vento, le onde e la pressione barometrica.

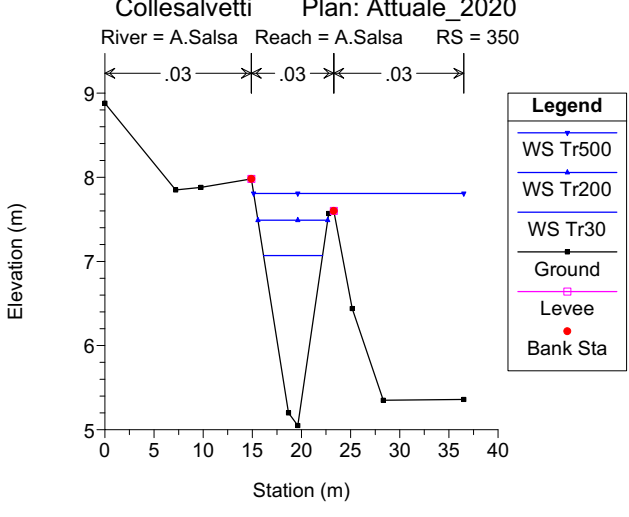
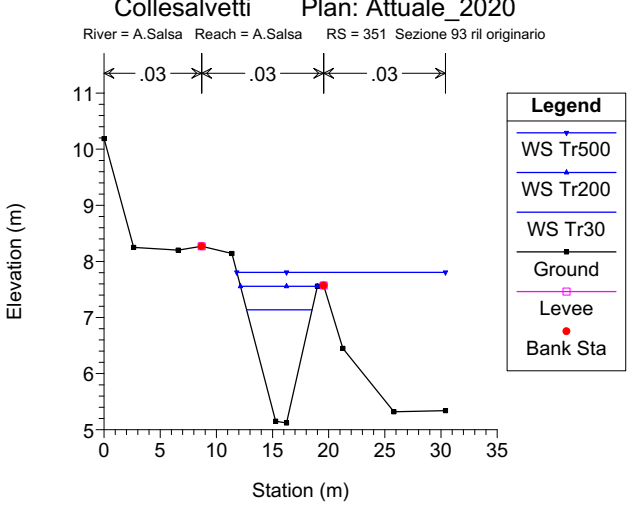
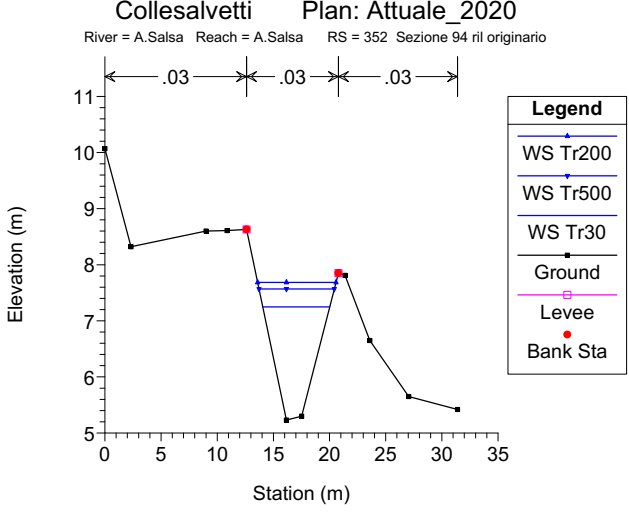
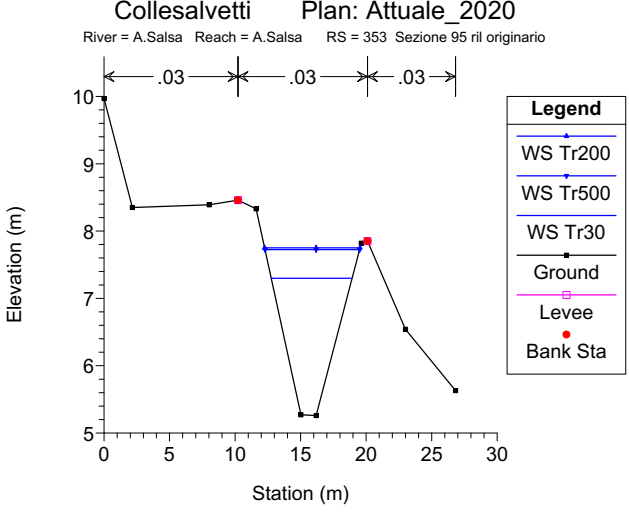
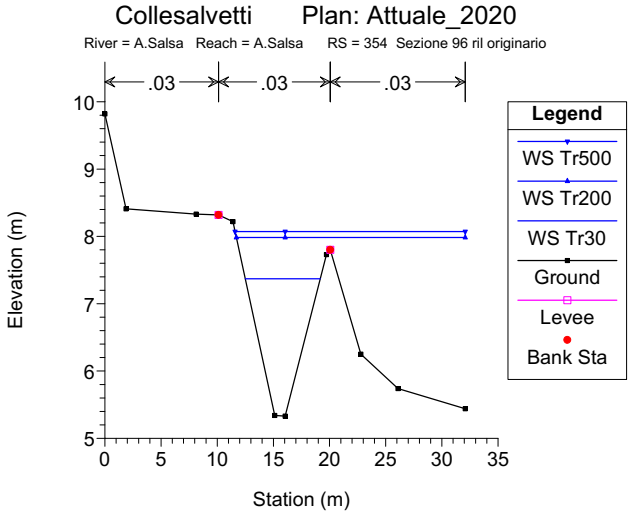
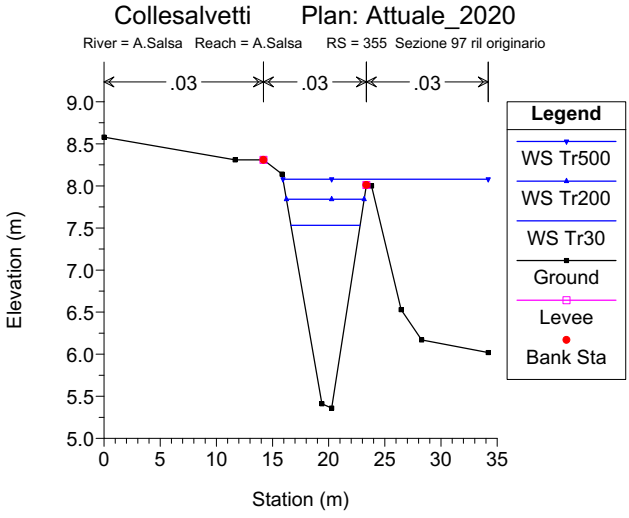
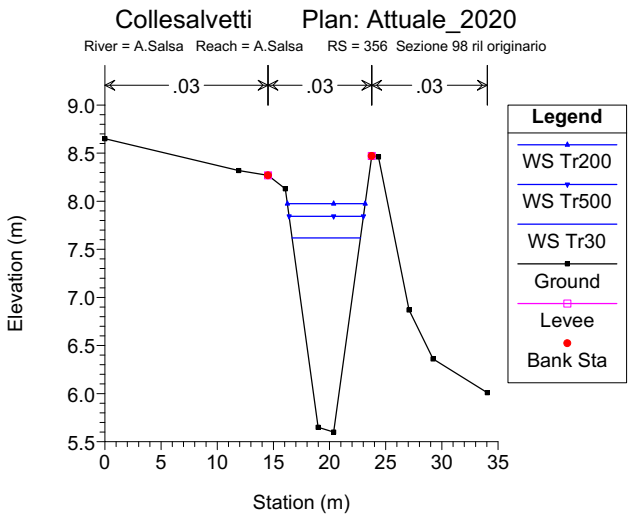
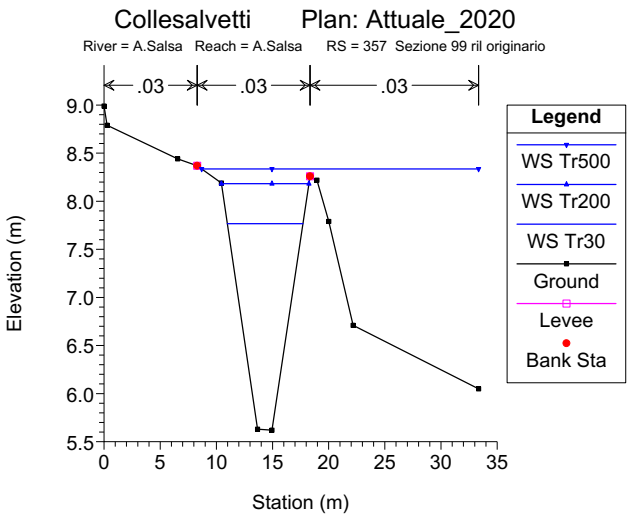
La procedura di calcolo per risolvere tali equazioni è composta di due stadi ognuno dei quali avente due fasi. Nella prima fase del primo stadio, il programma risolve l'equazione della quantità di moto lungo  $y$  per la velocità lungo tale direzione attraverso un metodo del tipo predictor/corrector. Nella seconda fase del primo stadio, viene calcolato il livello liquido e la velocità lungo l'asse  $x$  risolvendo le equazioni di continuità e della quantità di moto.

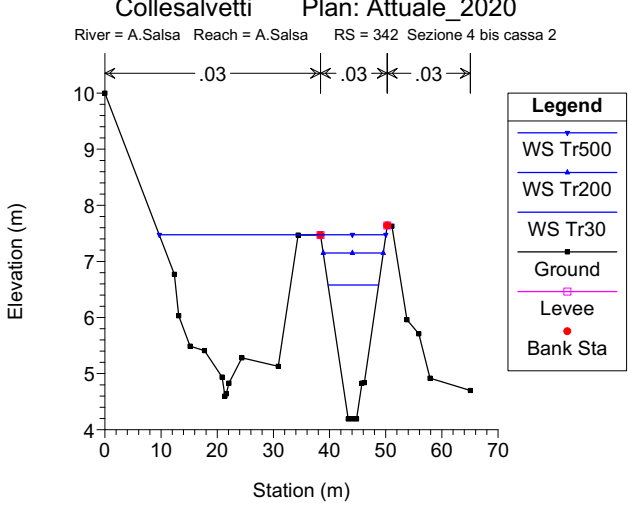
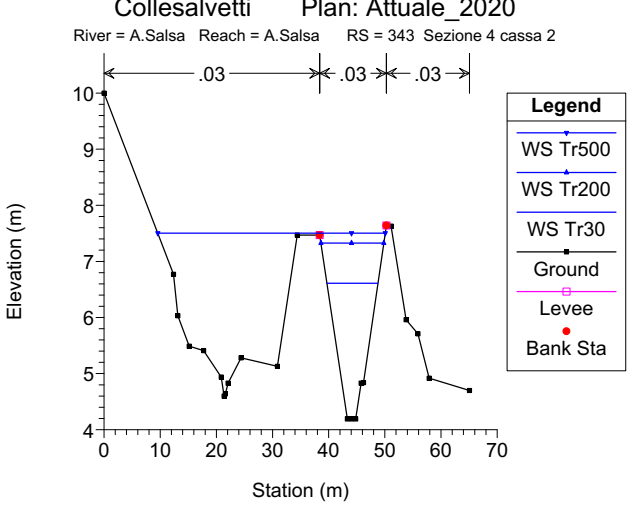
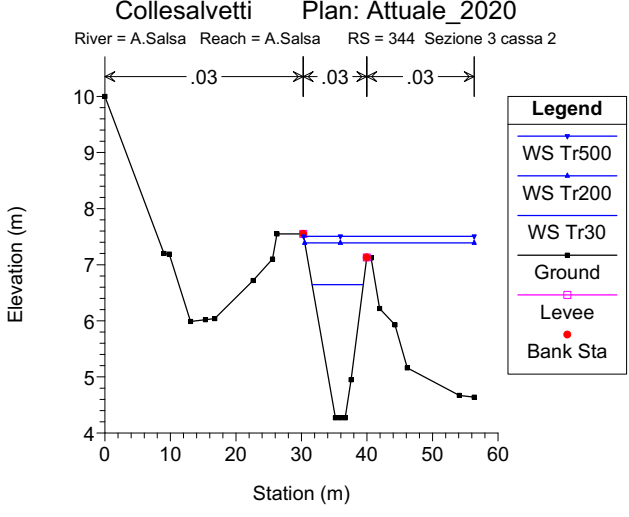
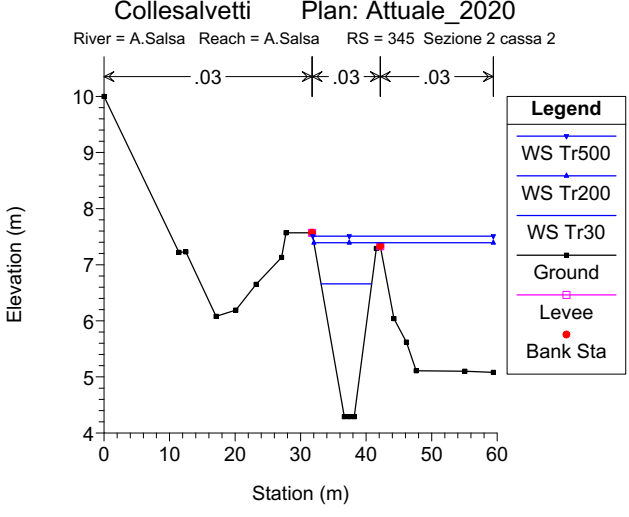
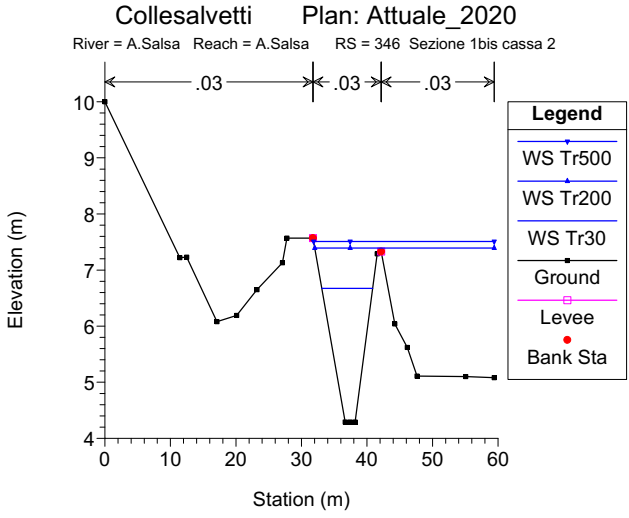
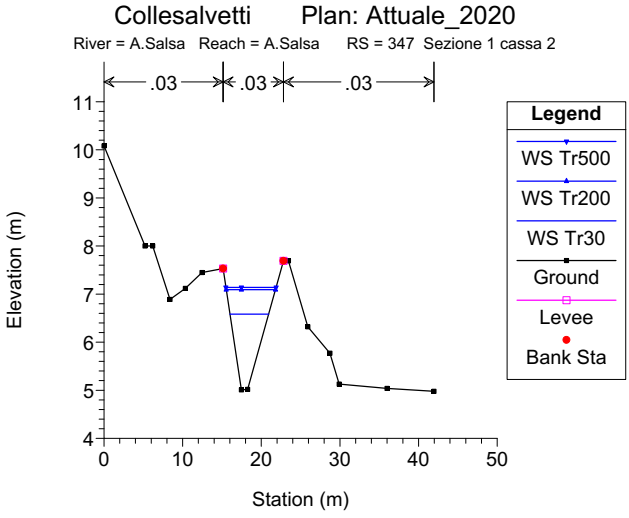
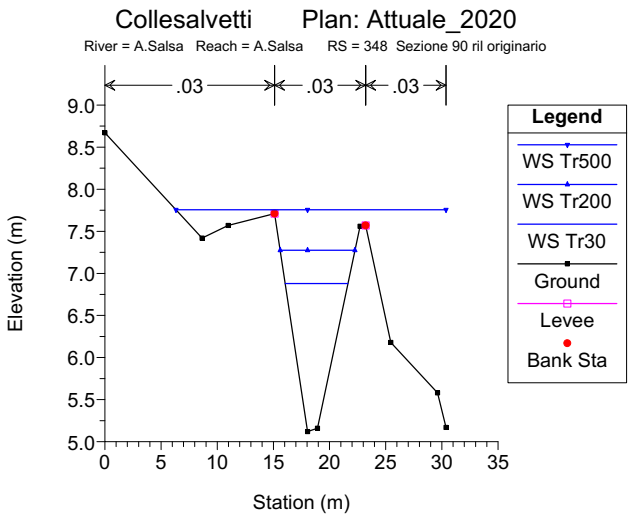
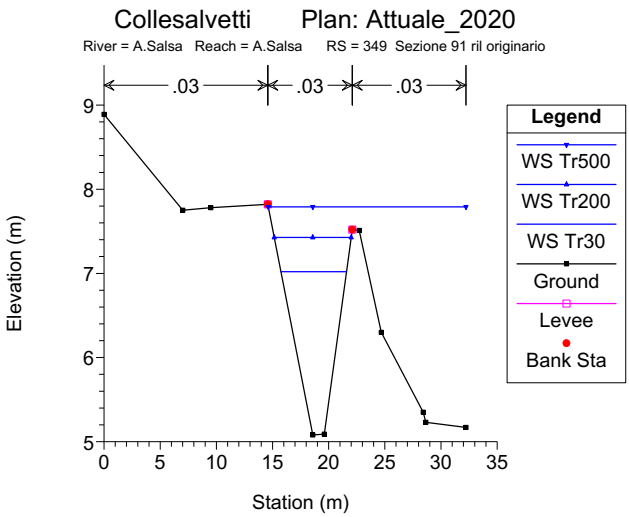
Nel secondo stadio vengono risolte le stesse equazioni ma lungo le altre due direzioni: nella prima fase del secondo stadio lungo  $x$ , nella seconda fase del secondo stadio lungo  $y$ .

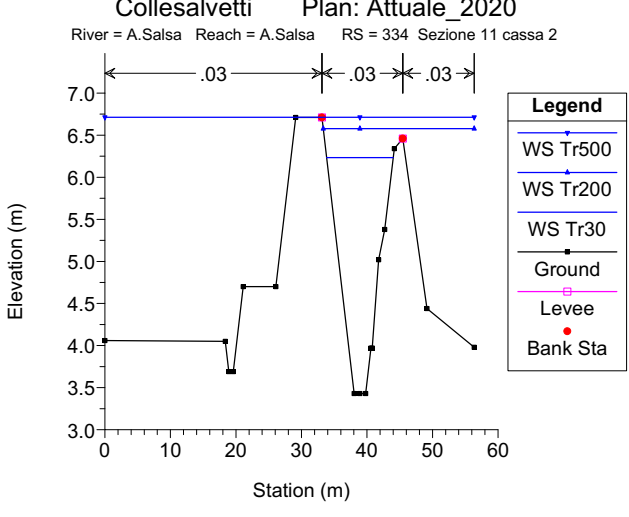
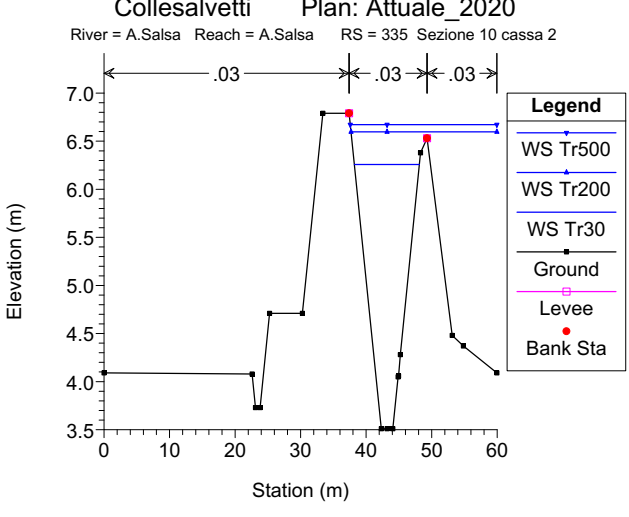
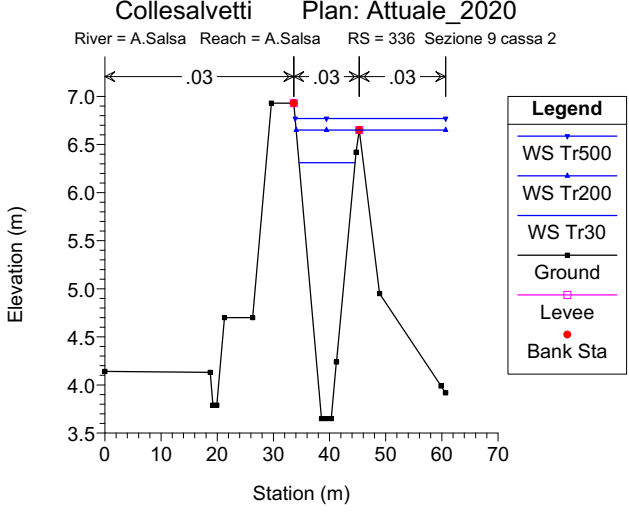
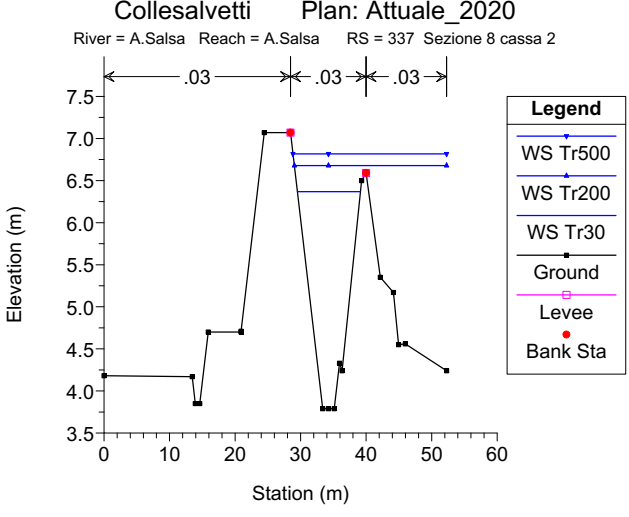
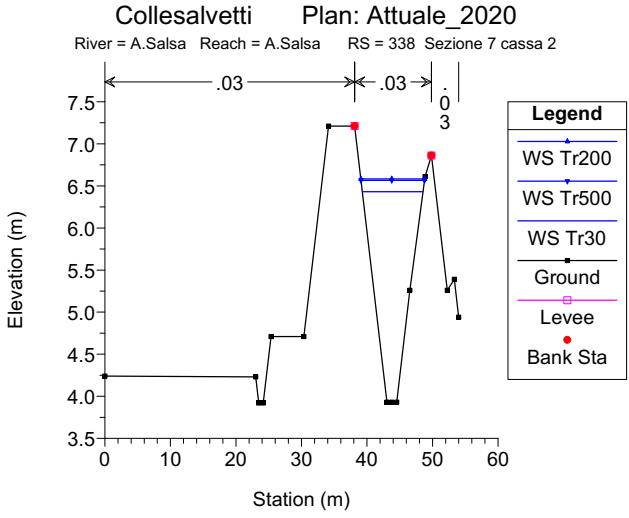
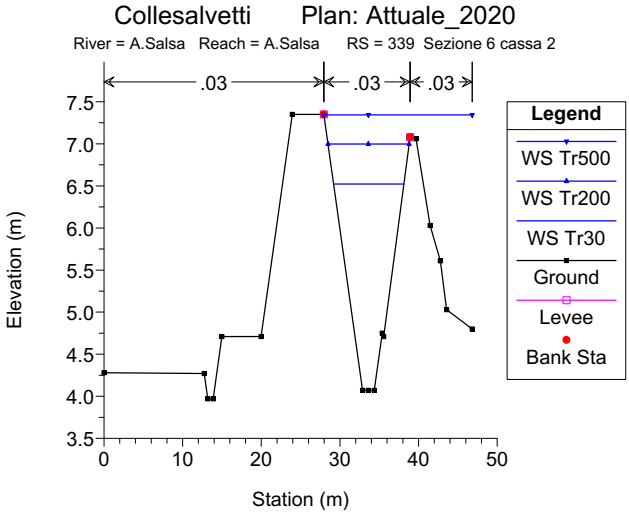
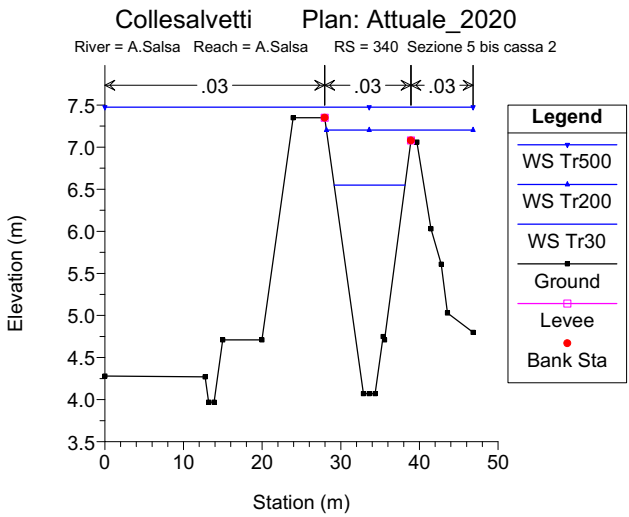
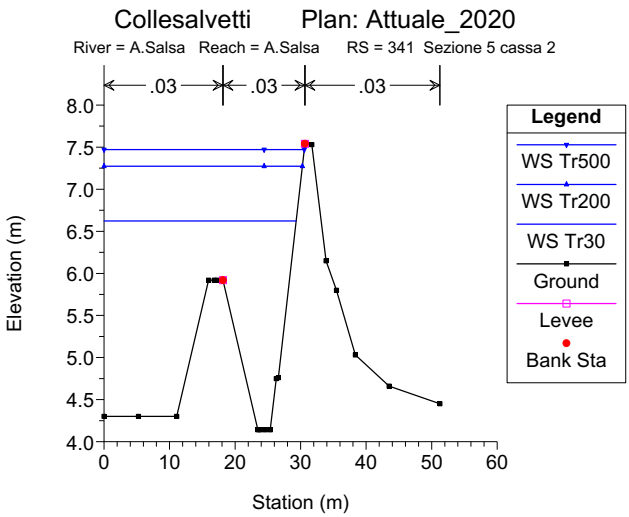
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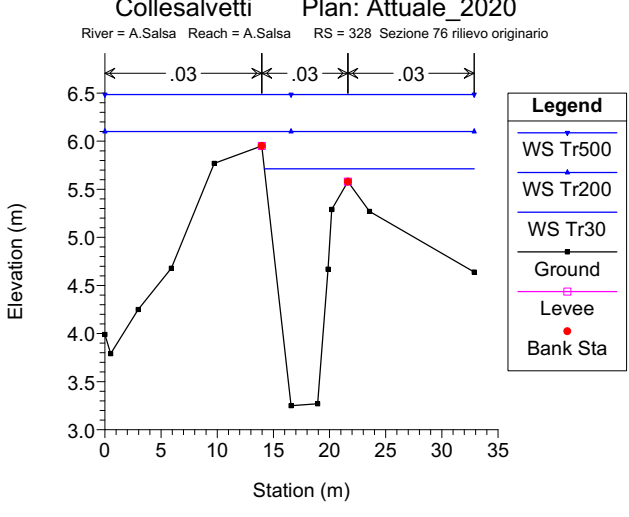
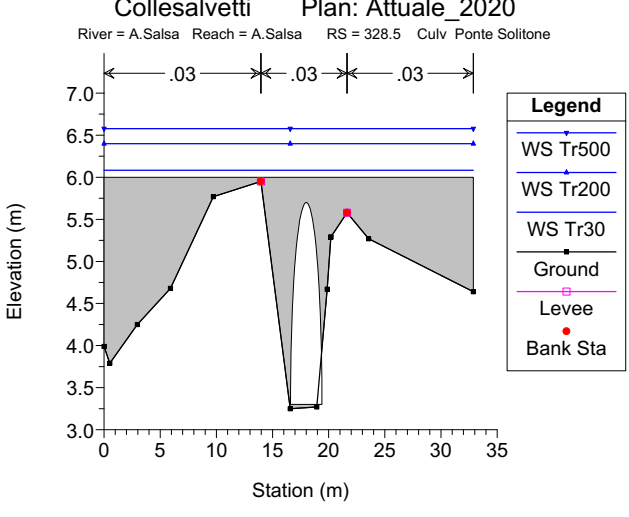
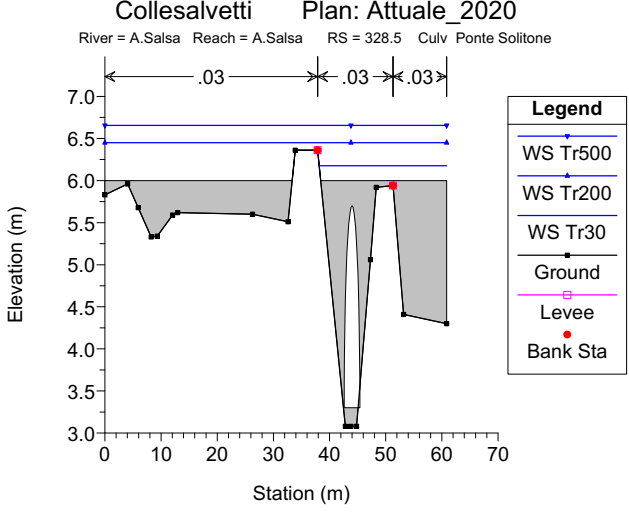
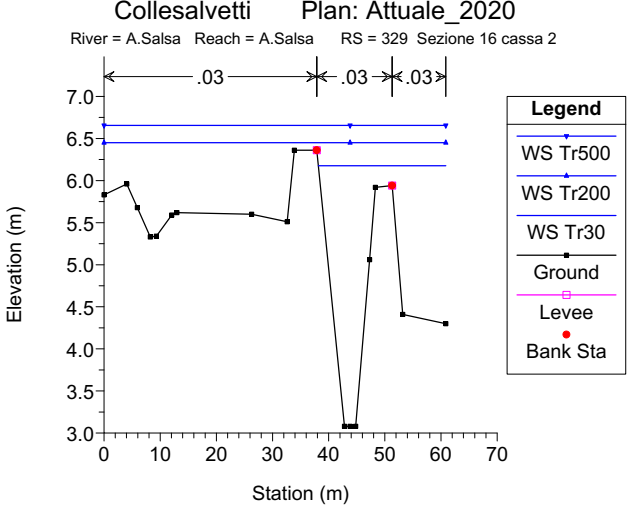
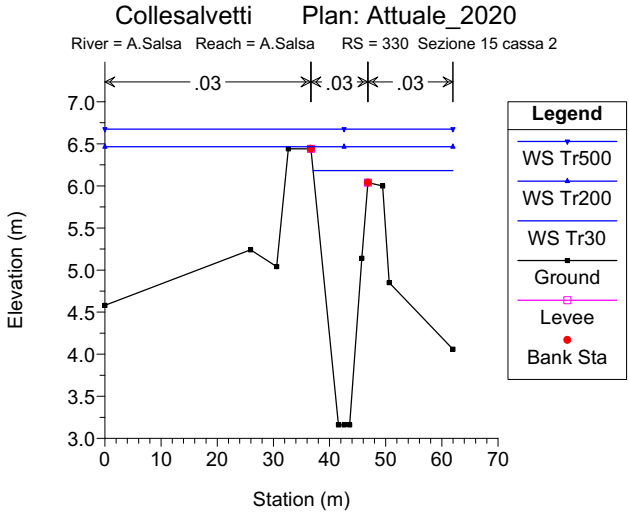
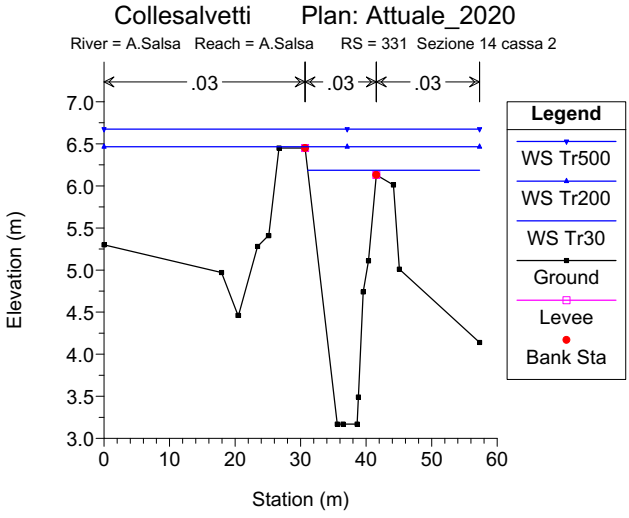
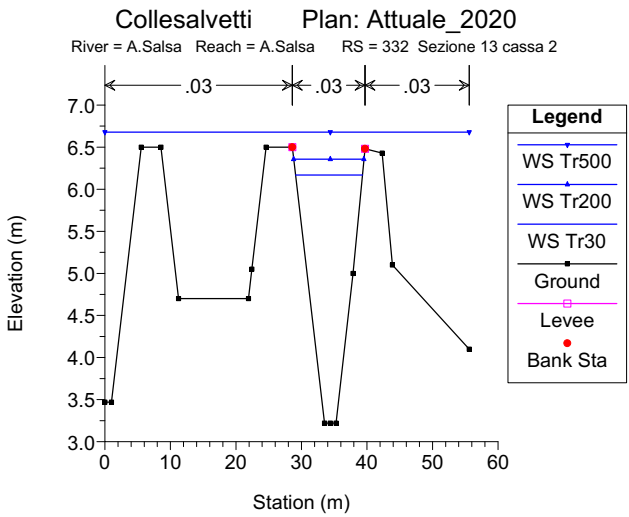
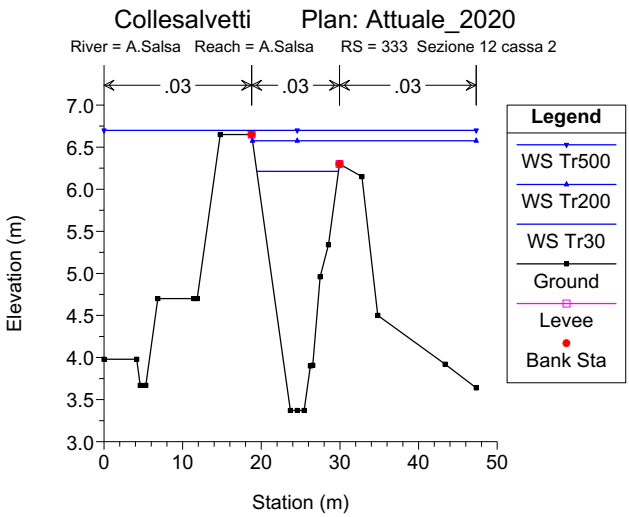
In allegato gli output di calcolo monodimensionale condotto con HEC-RAS.

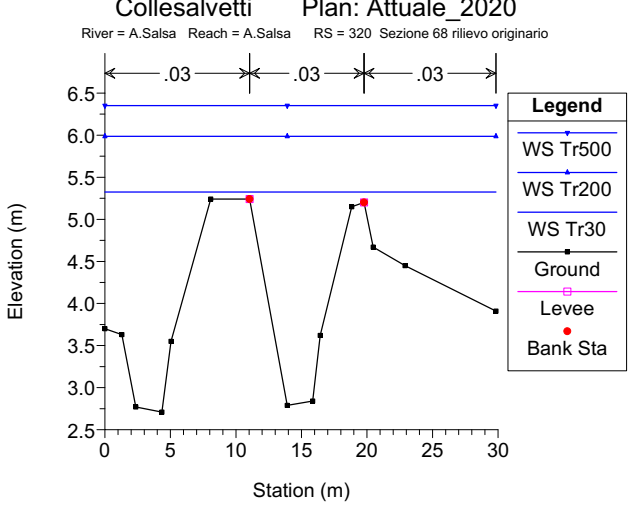
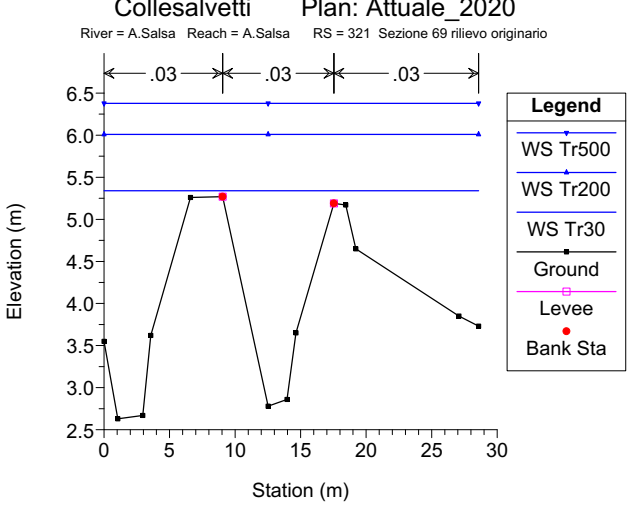
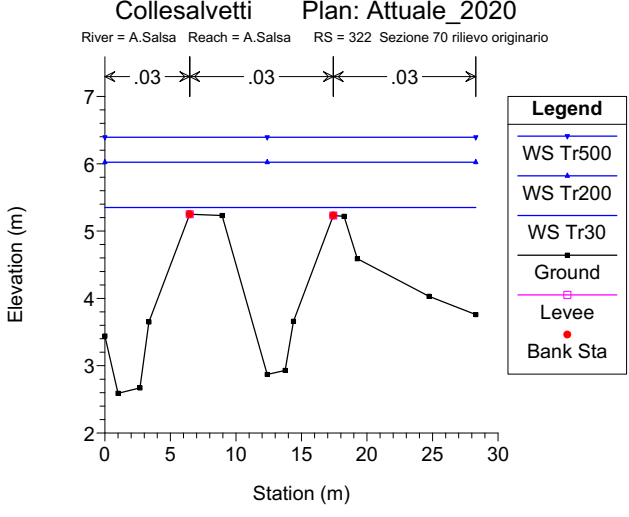
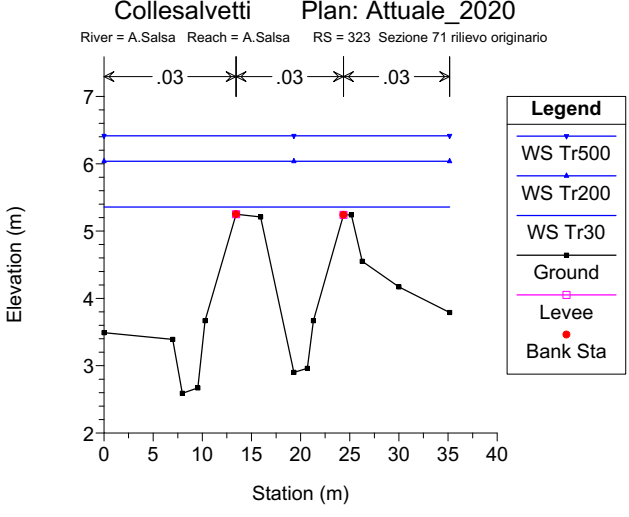
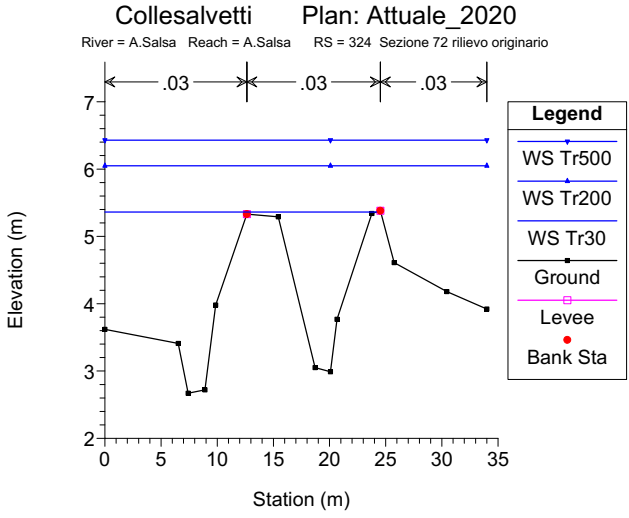
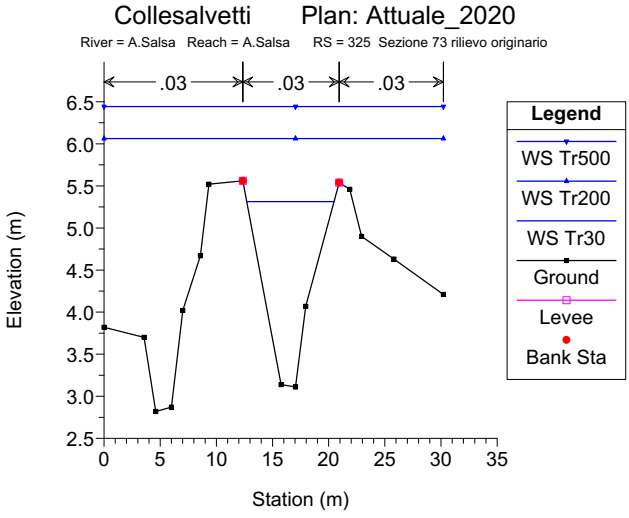
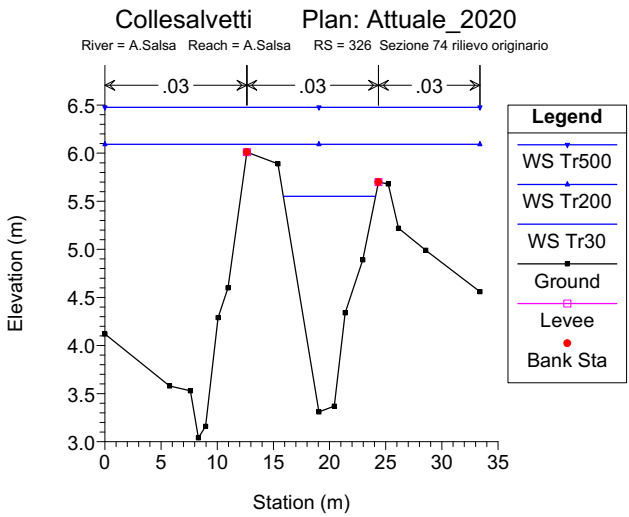
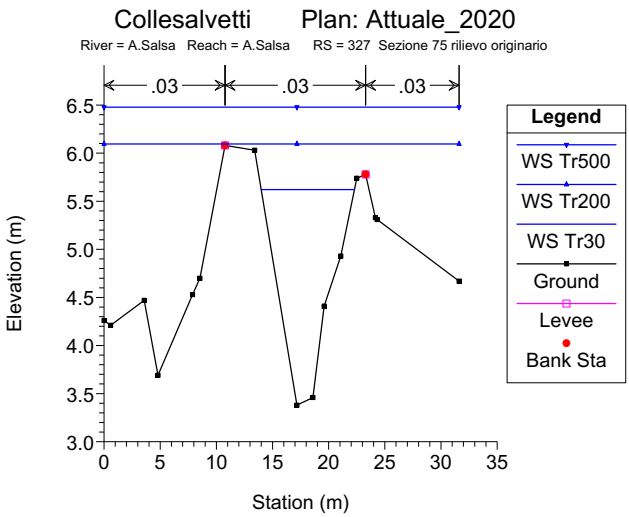




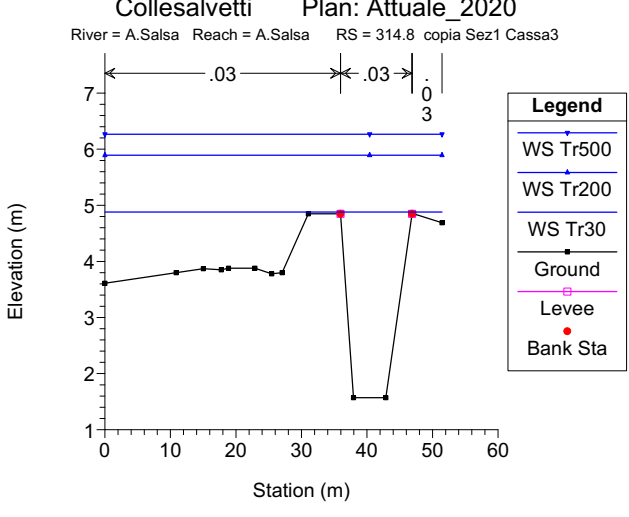
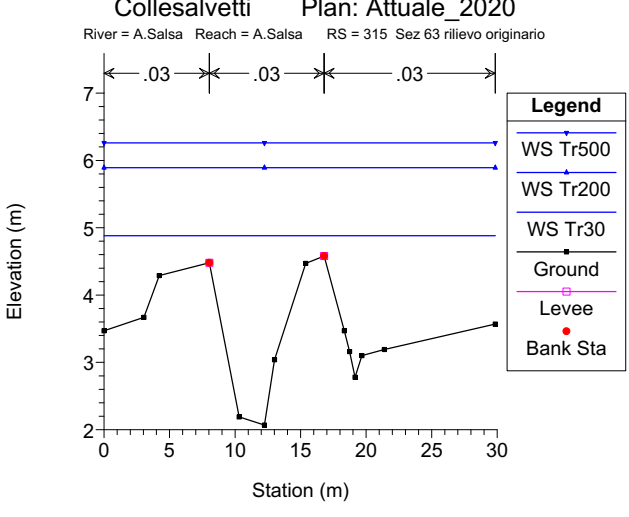
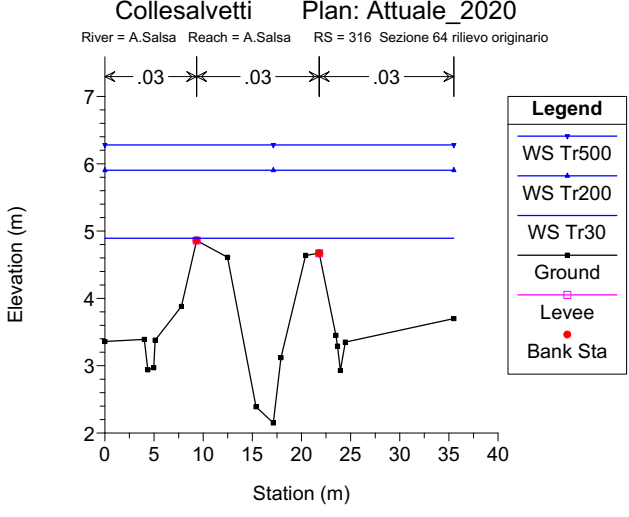
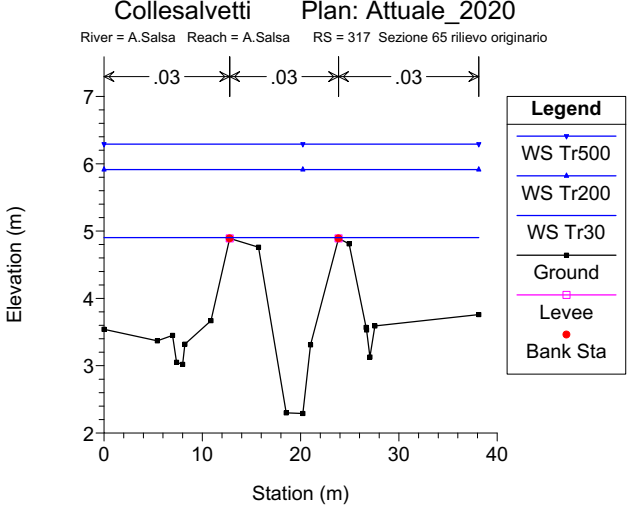
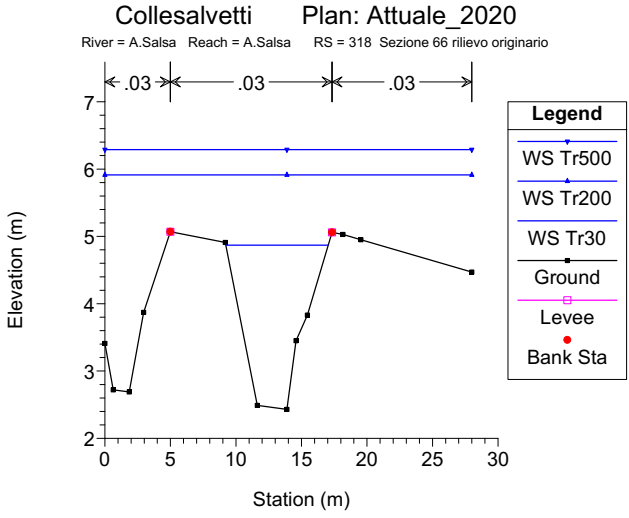
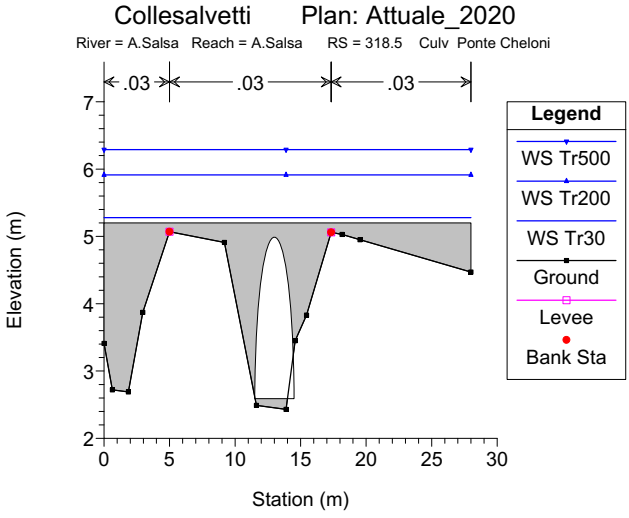
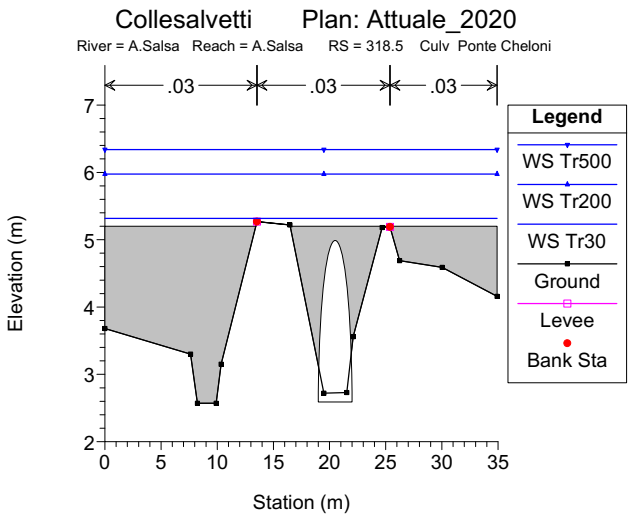
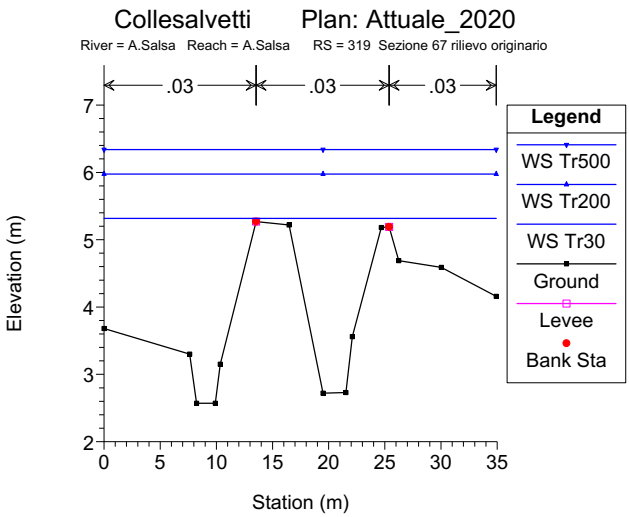


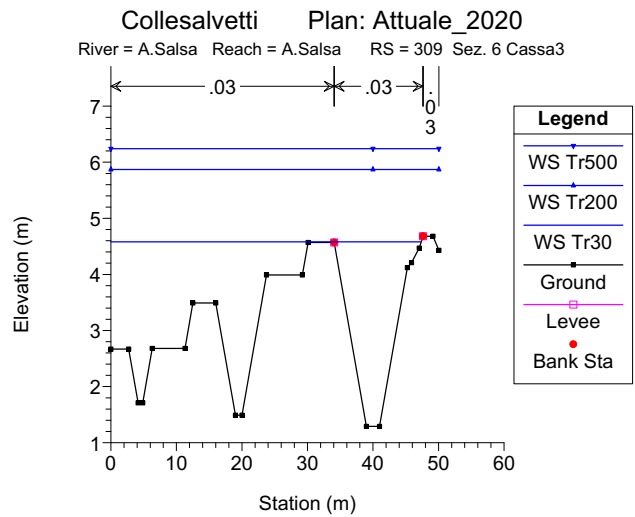
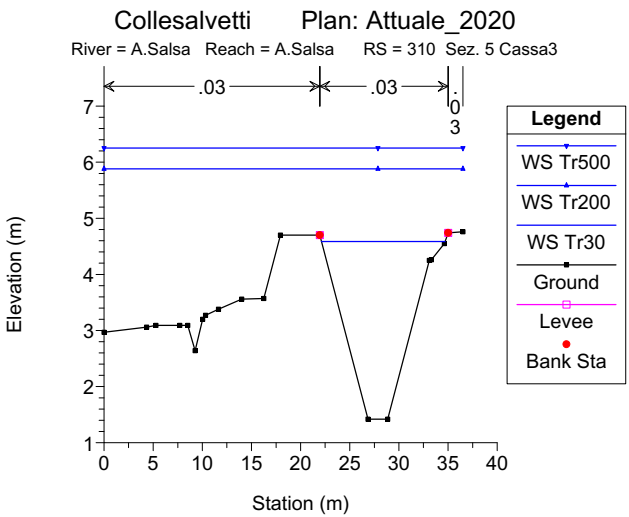
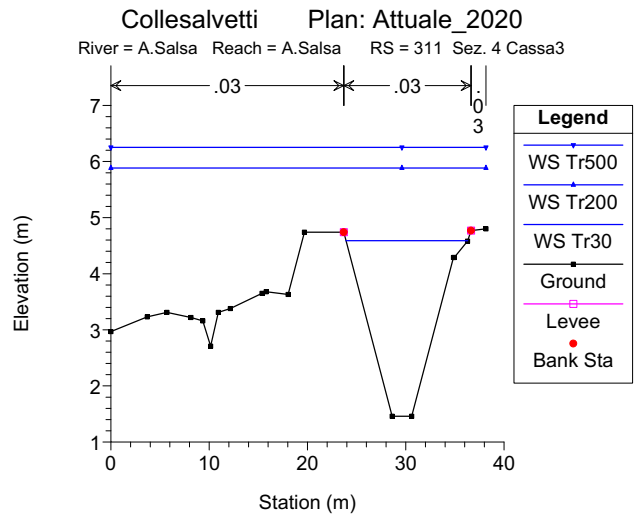
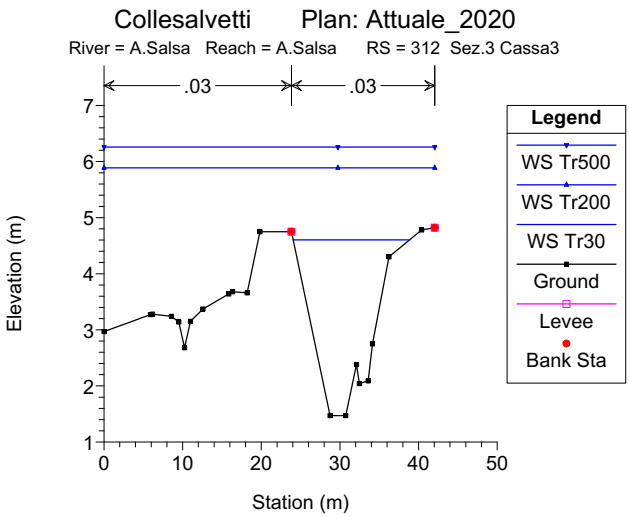
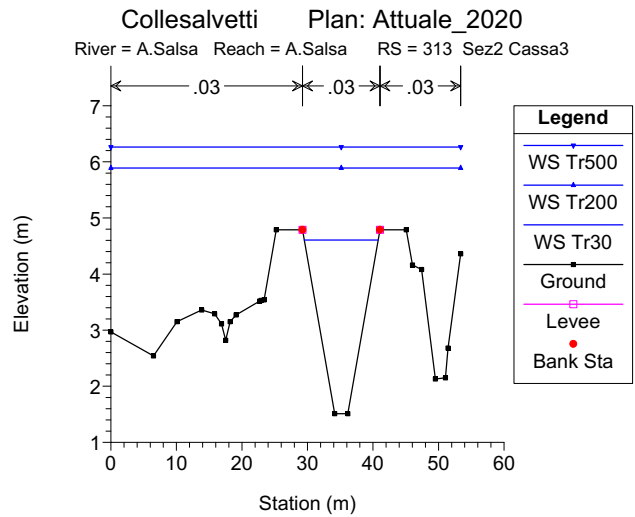
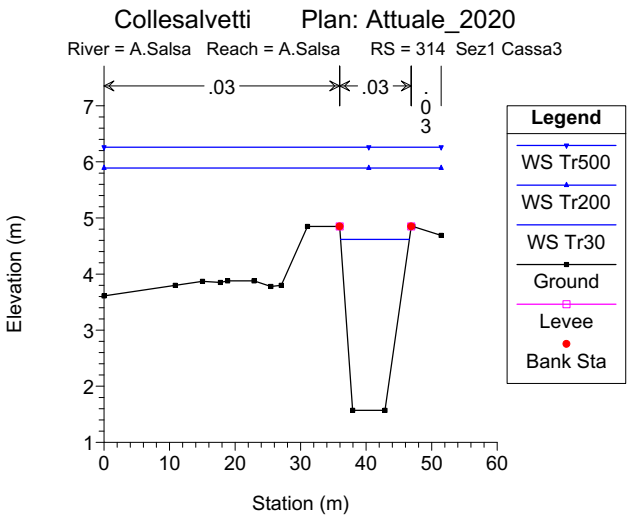
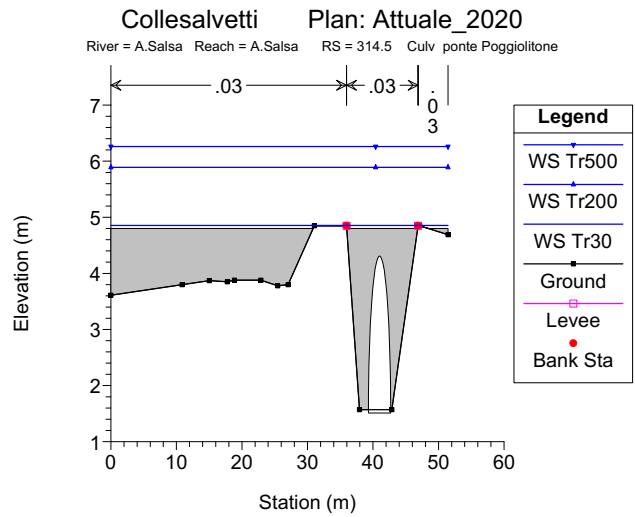
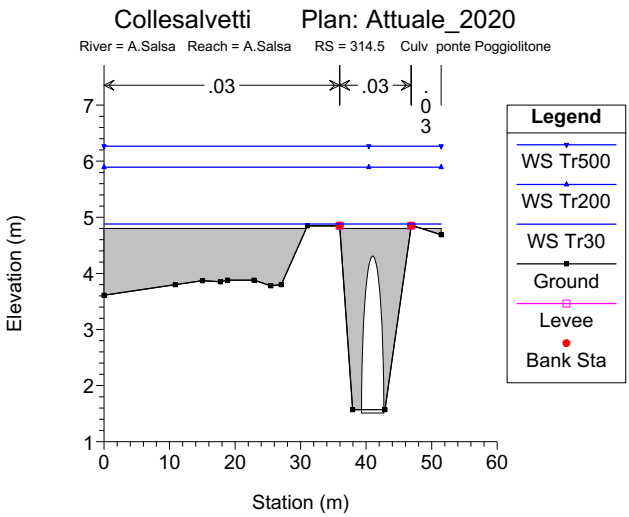


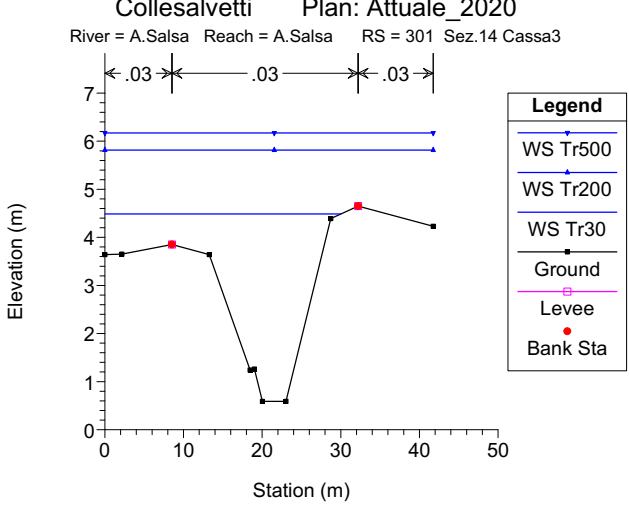
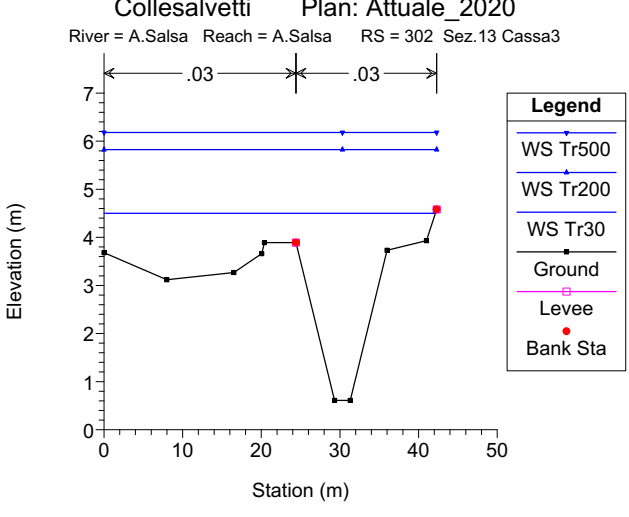
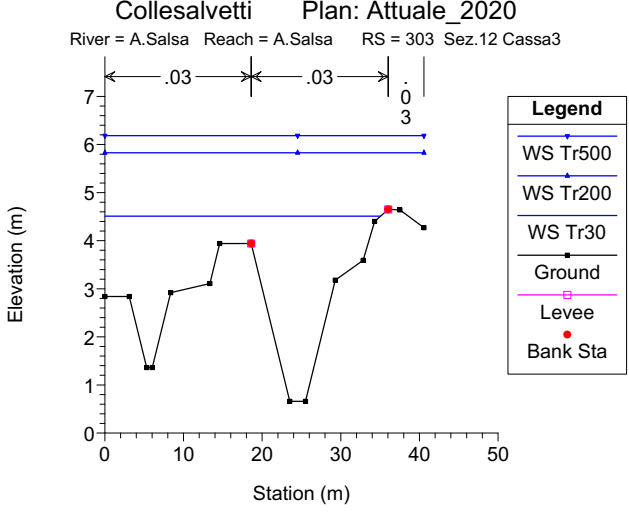
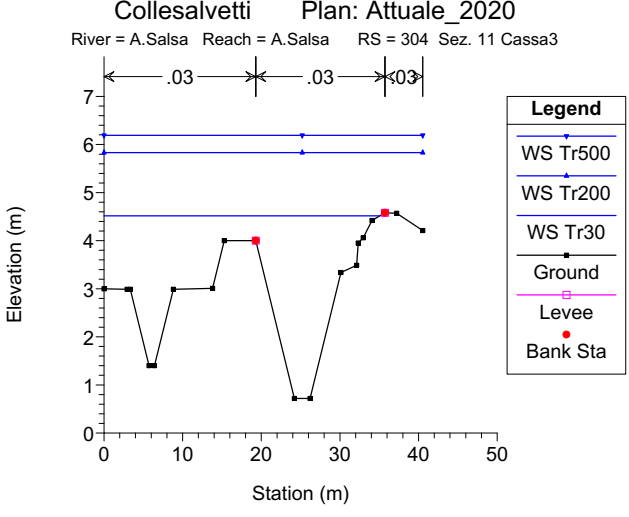
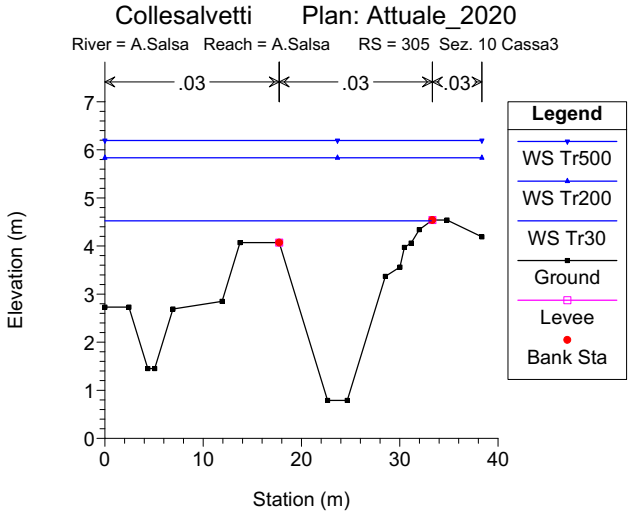
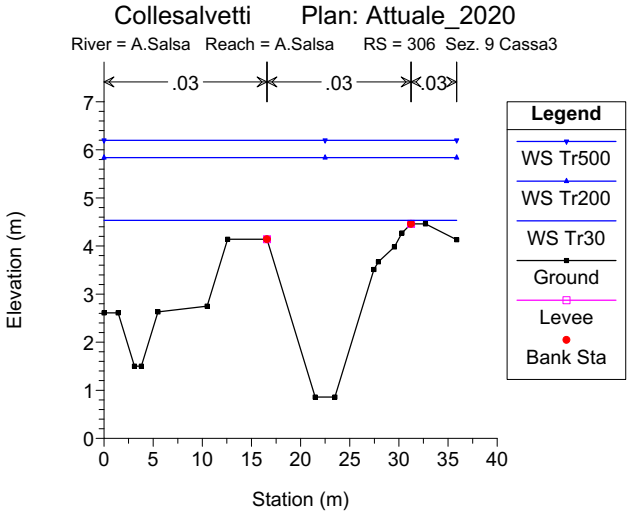
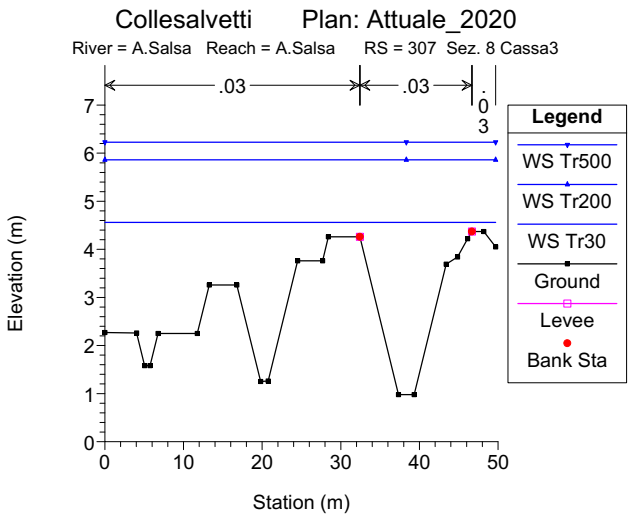
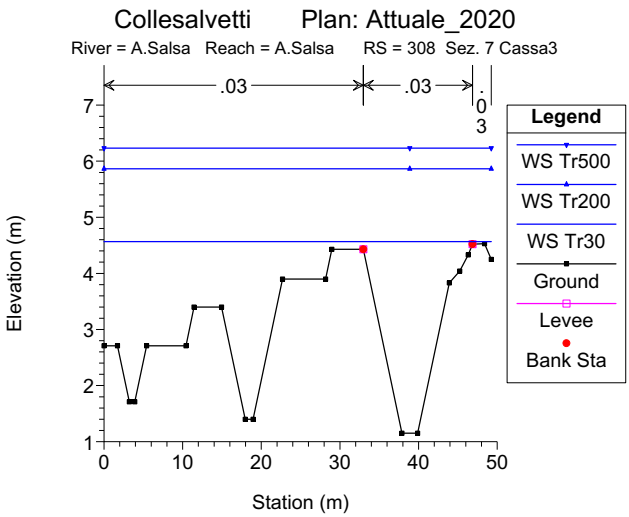


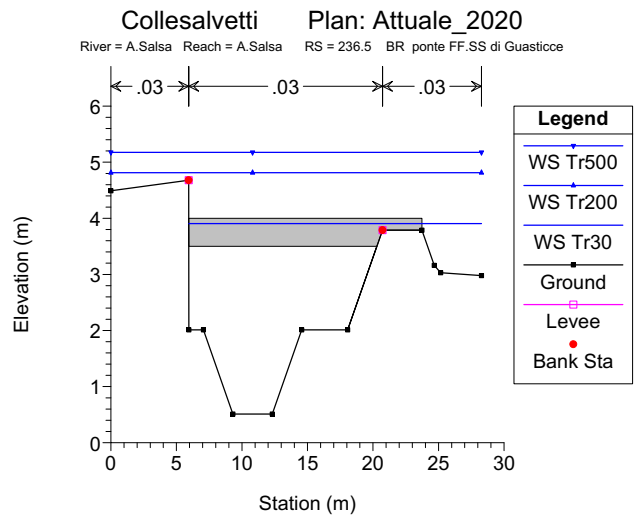
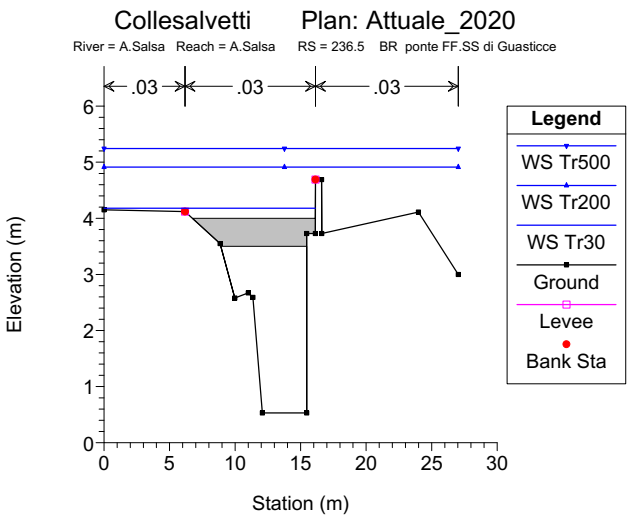
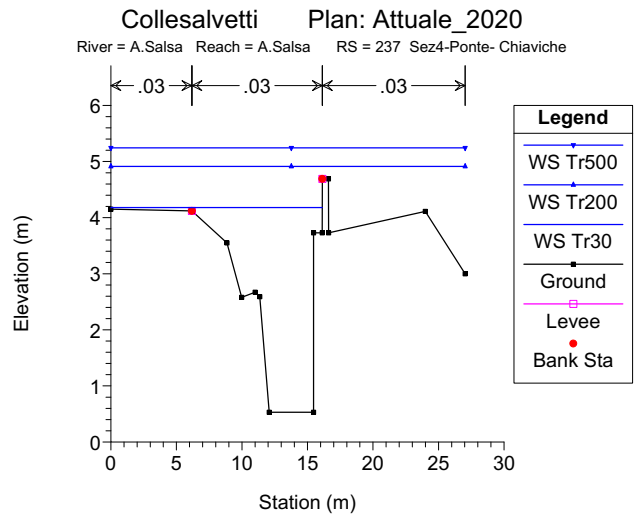
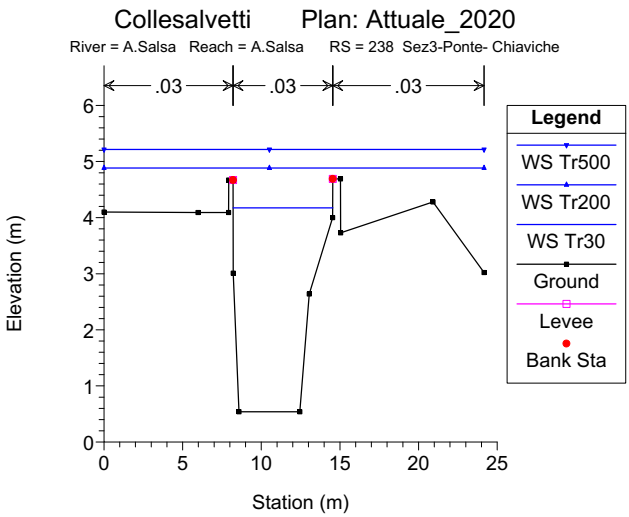
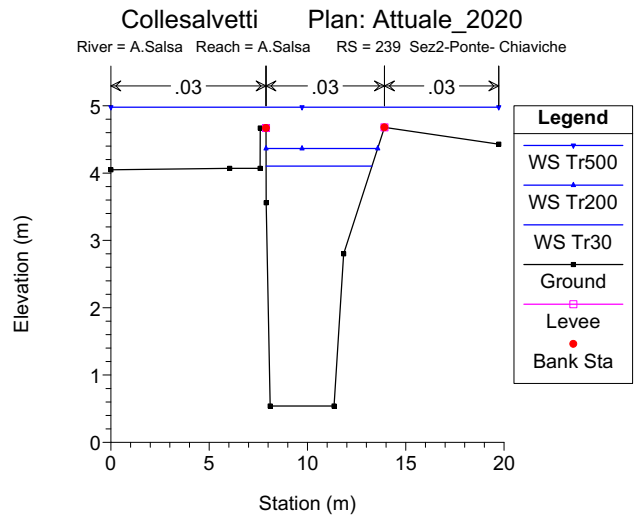
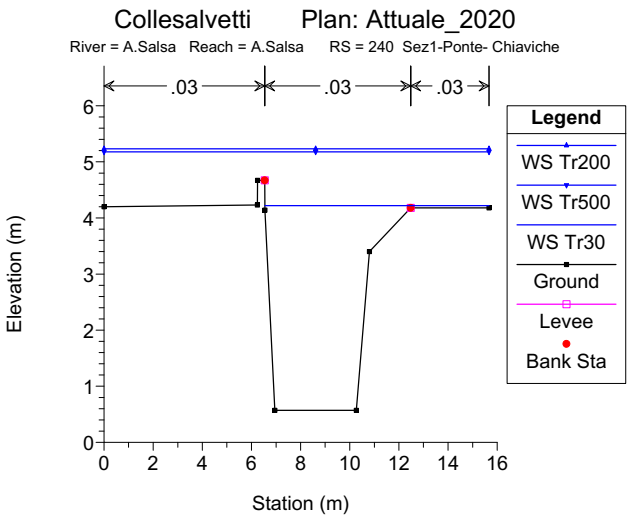
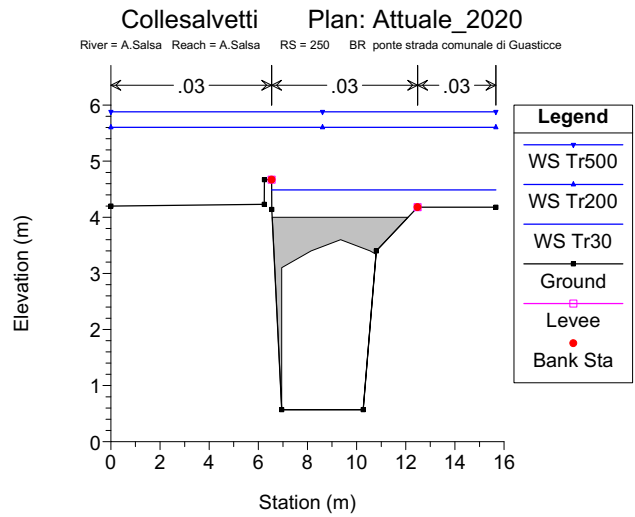
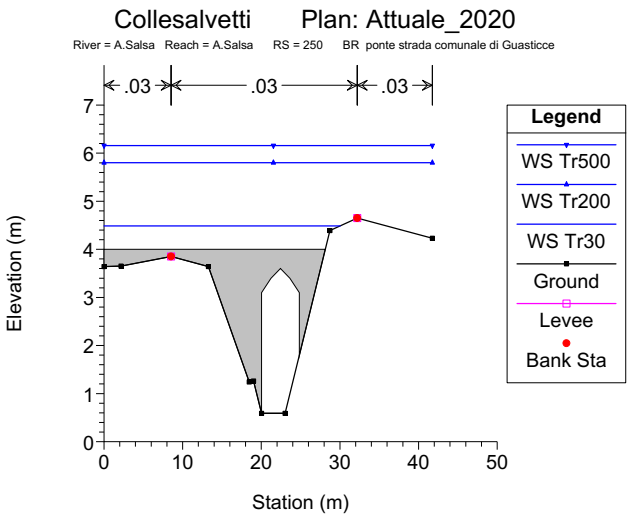


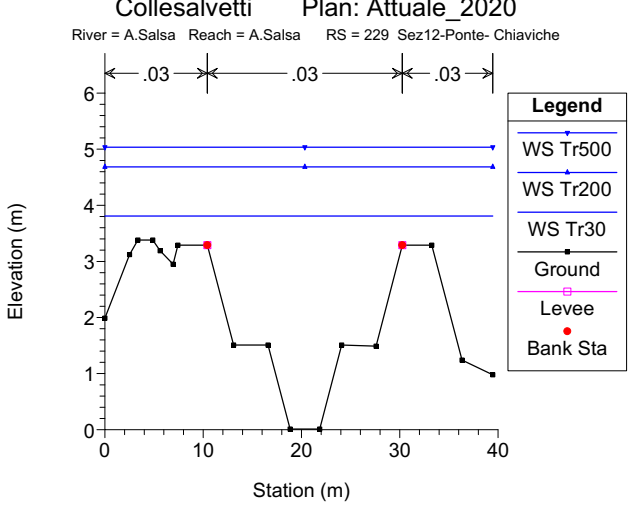
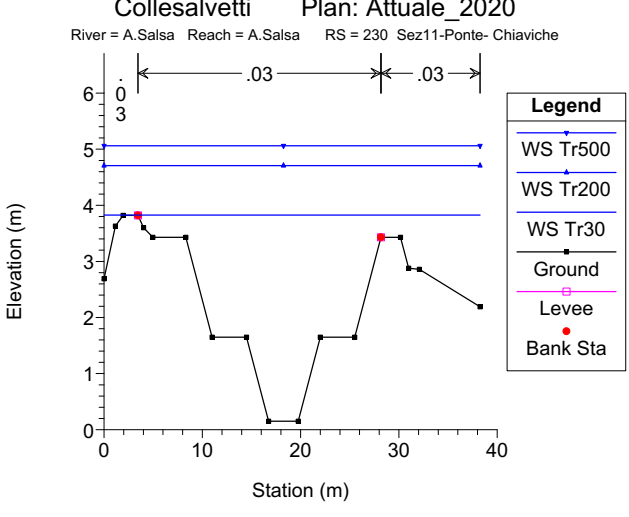
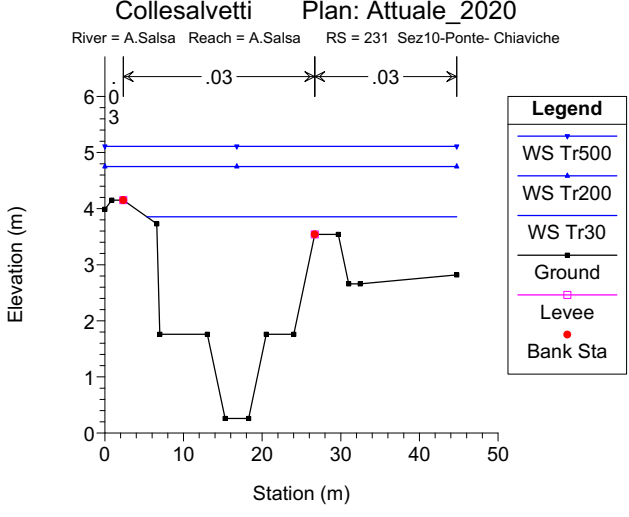
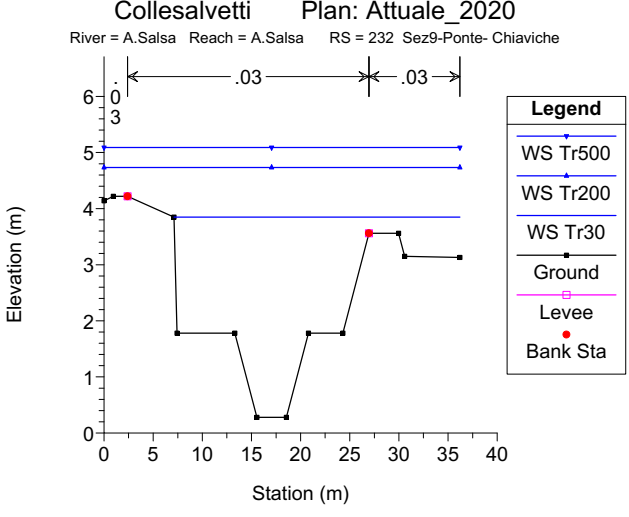
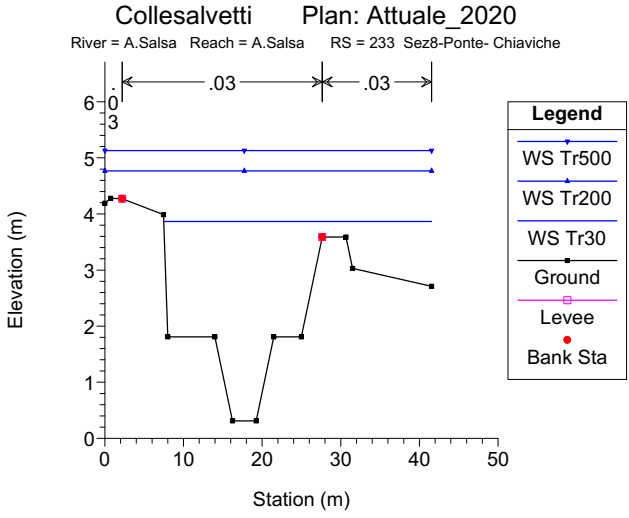
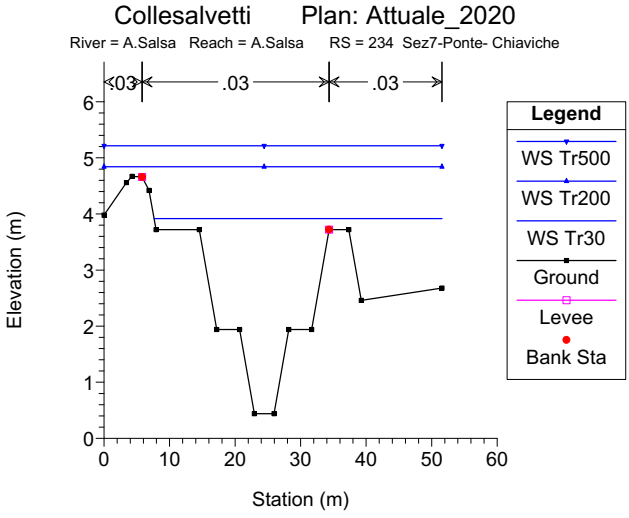
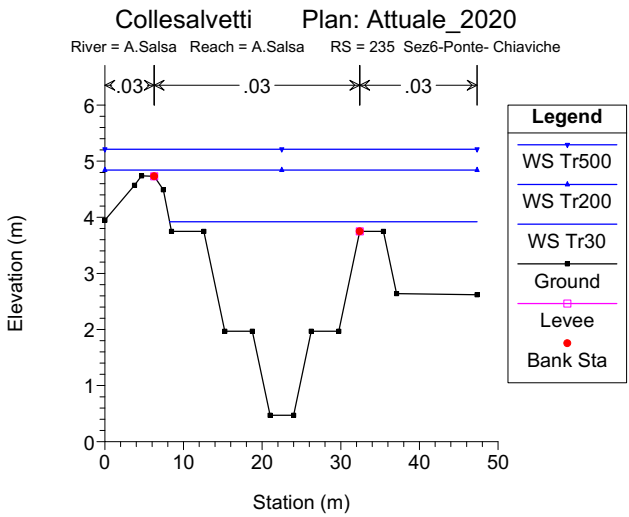
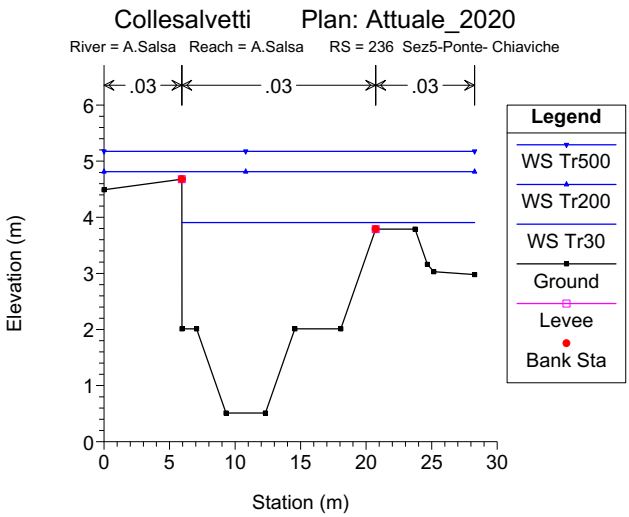


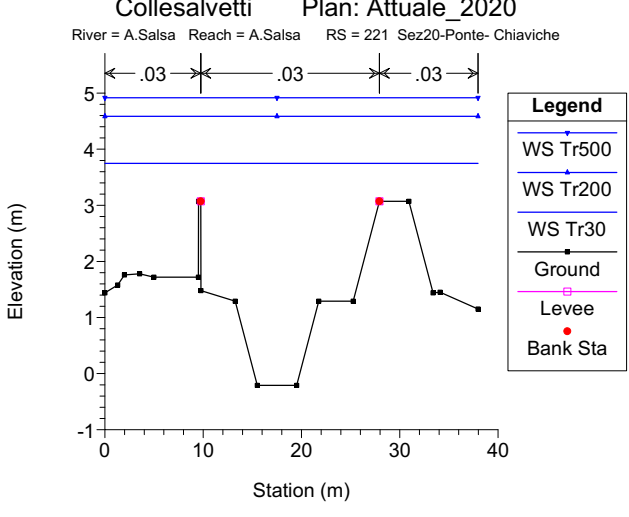
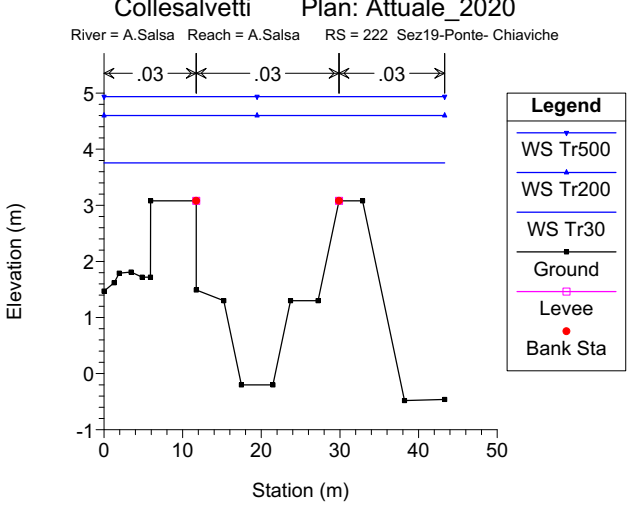
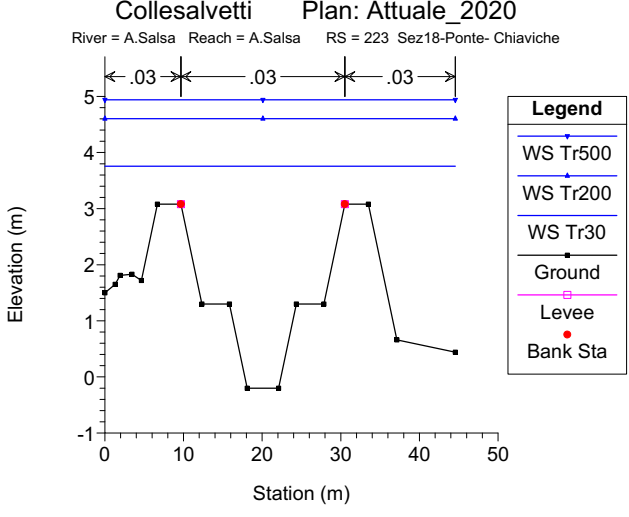
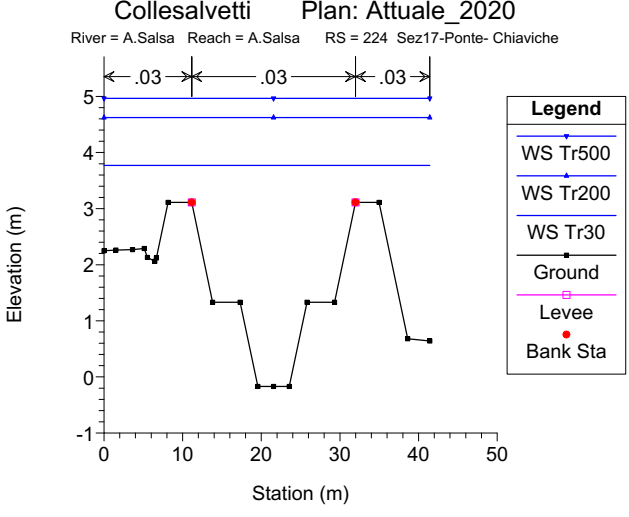
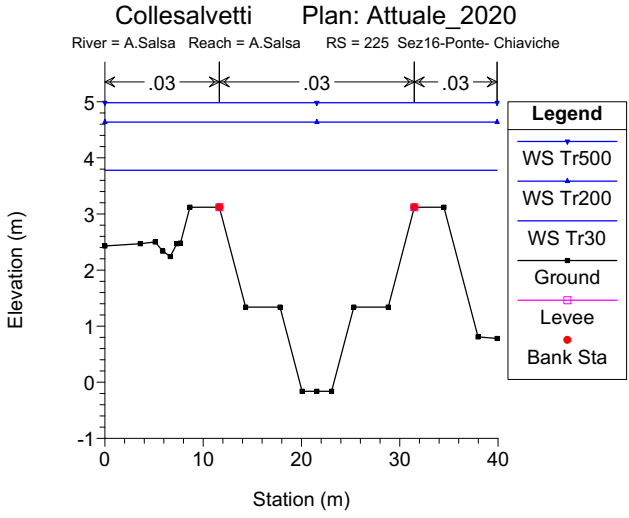
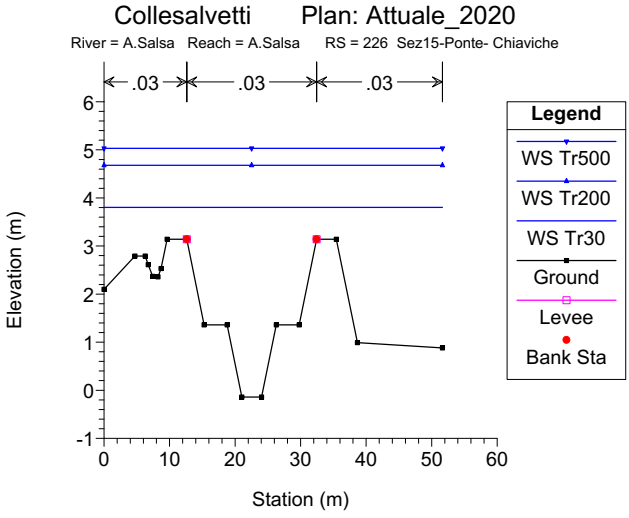
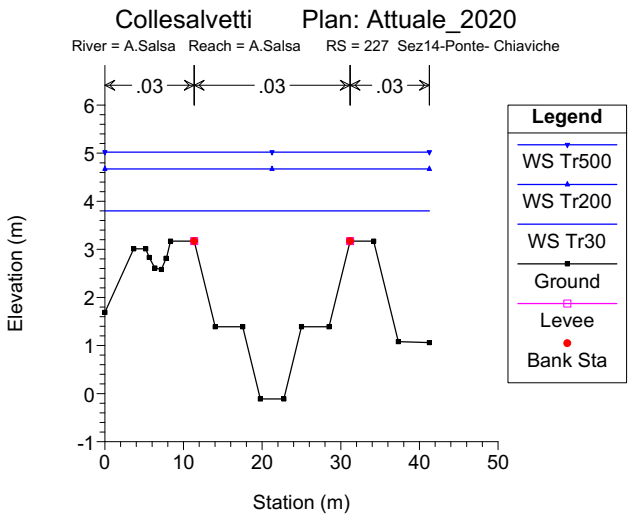
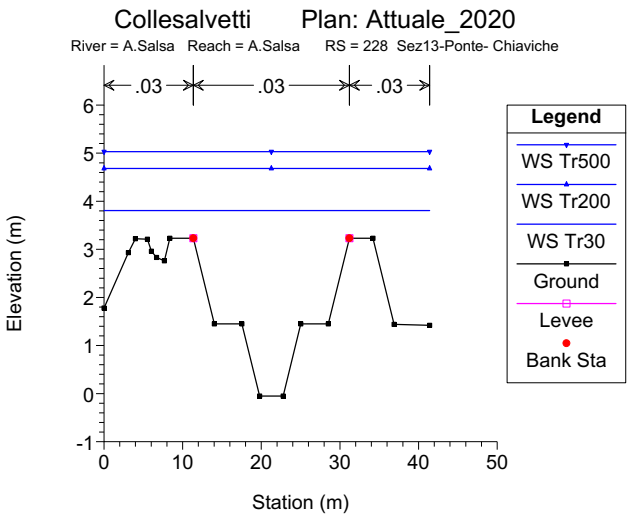


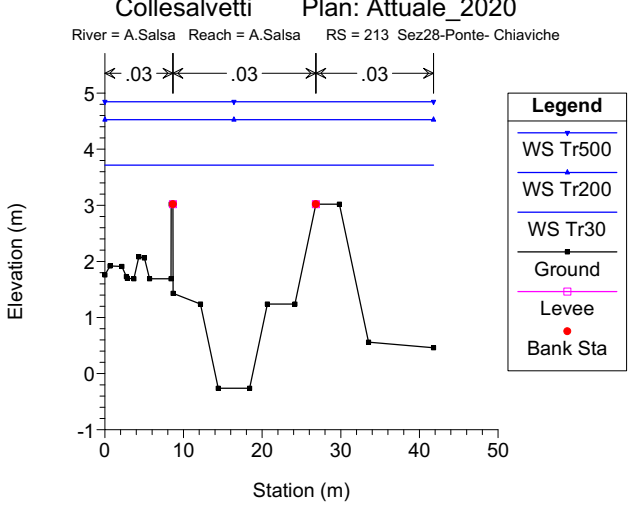
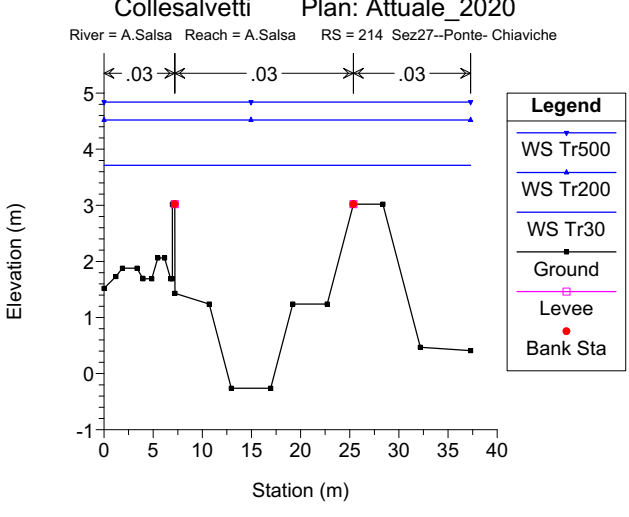
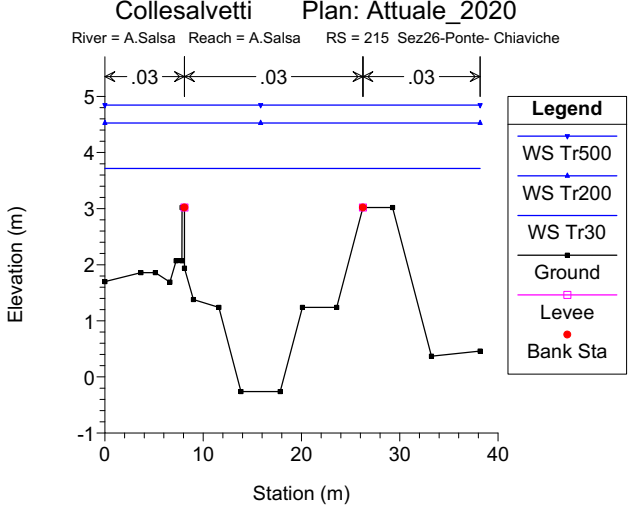
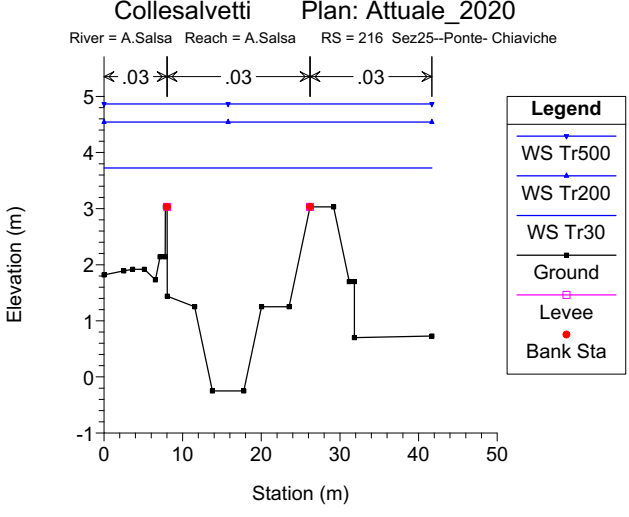
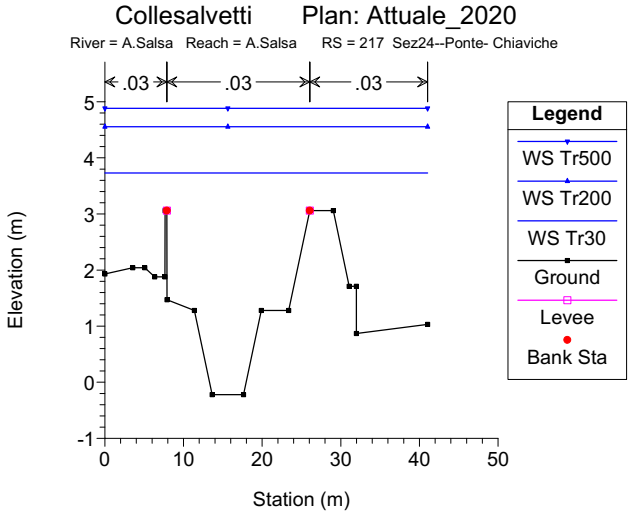
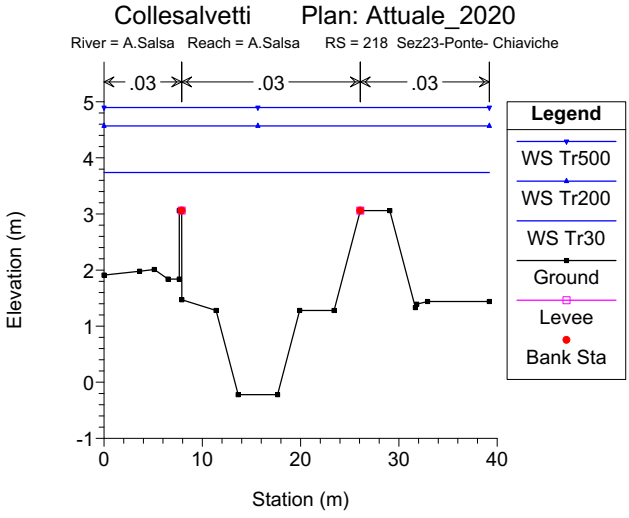
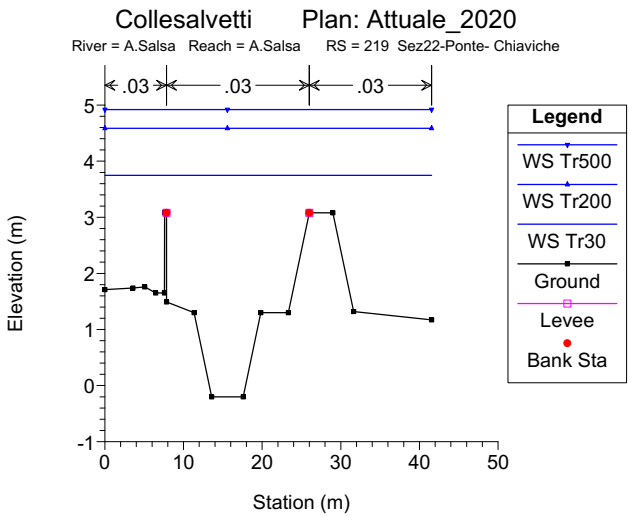
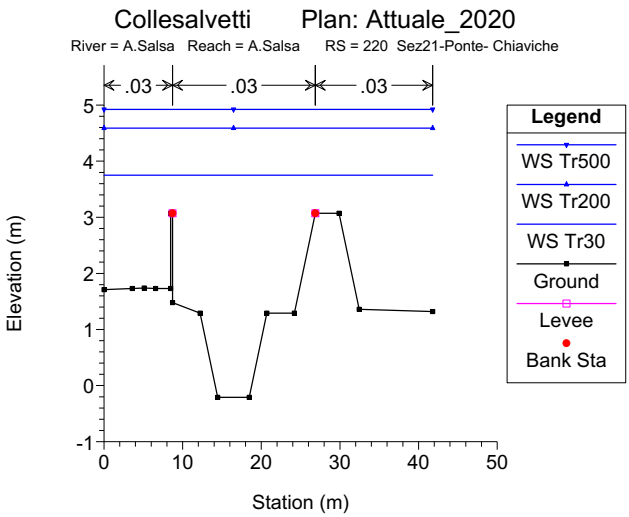




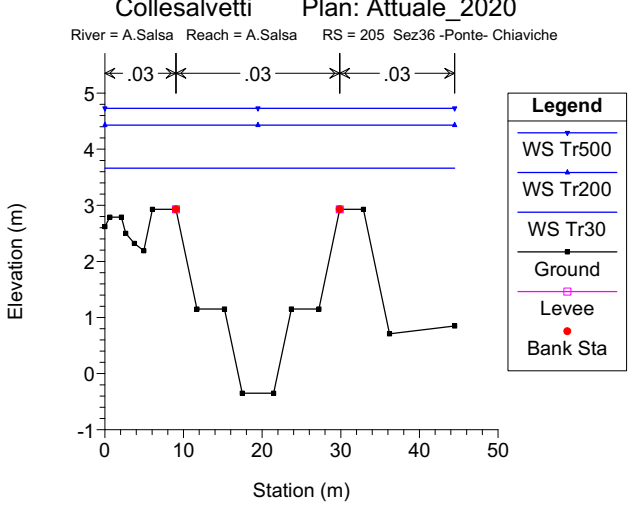
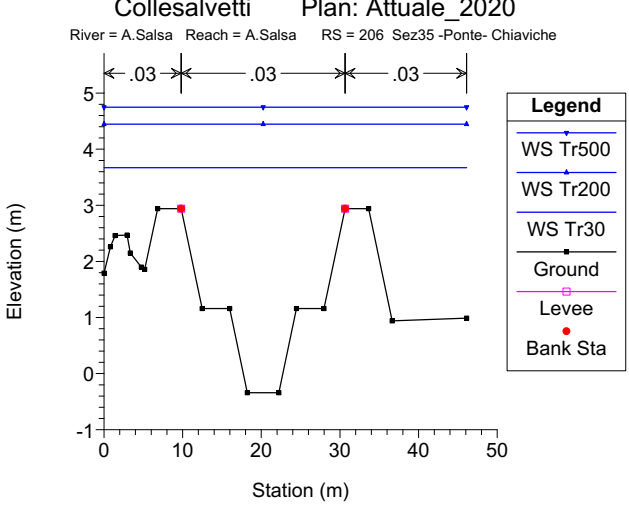
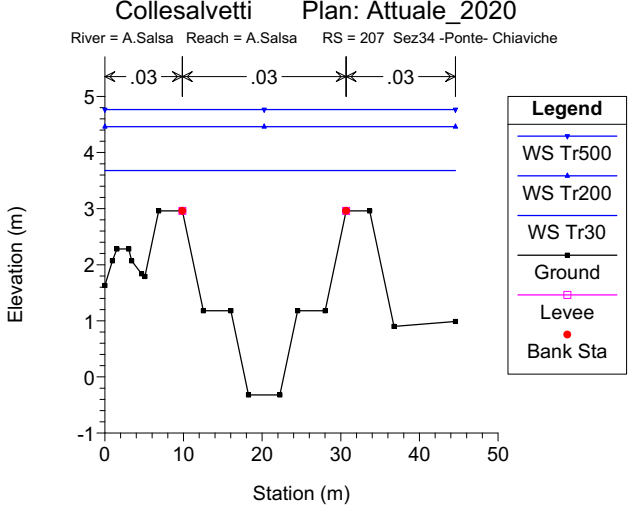
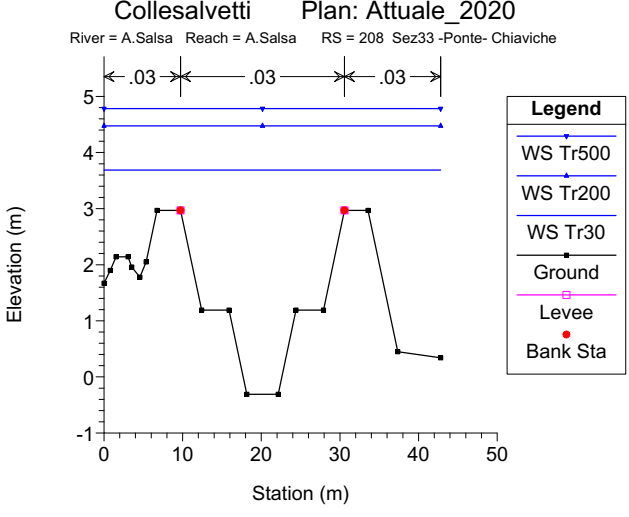
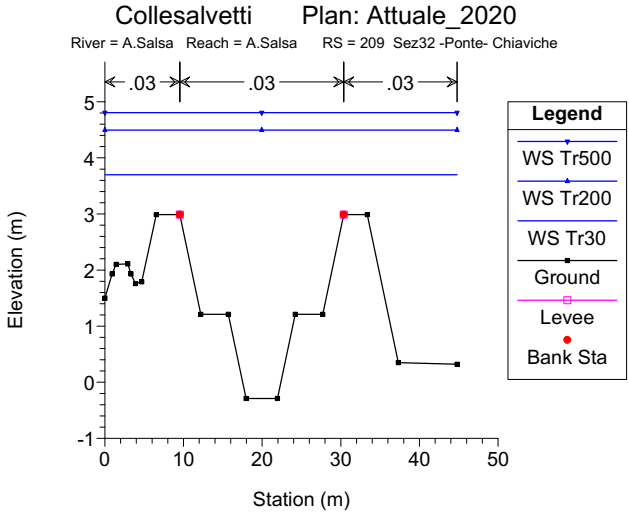
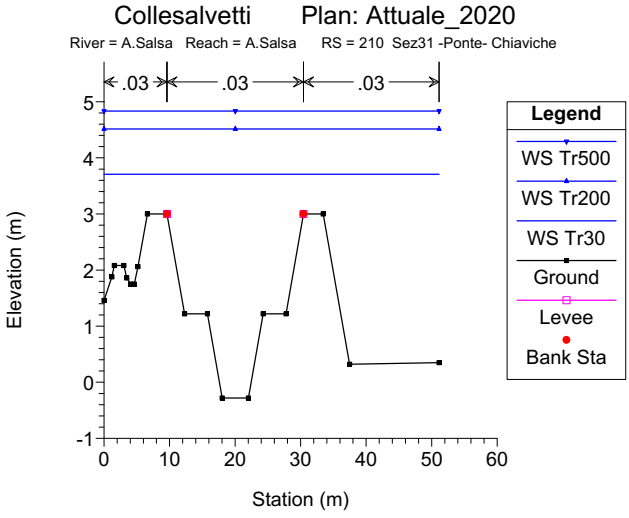
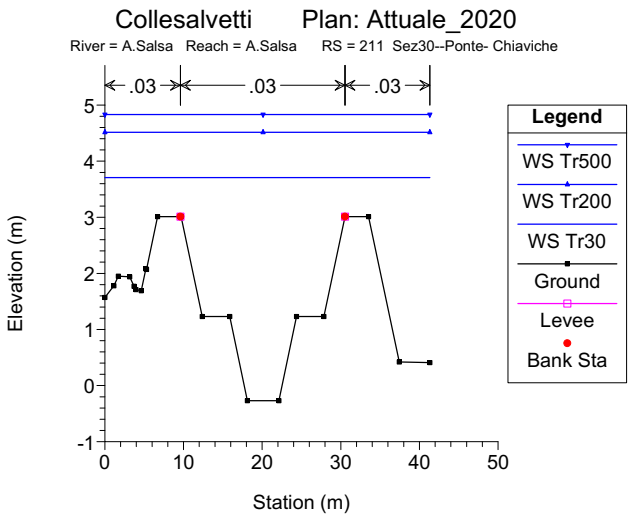
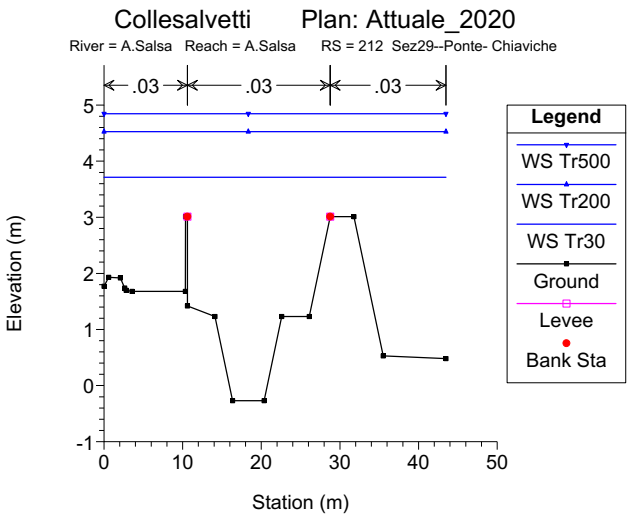


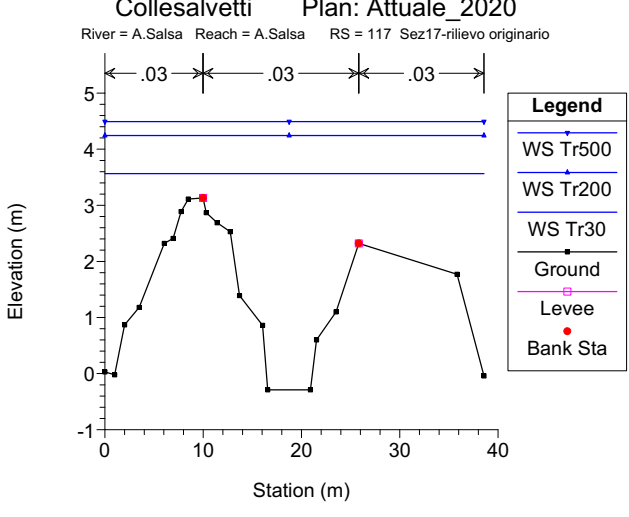
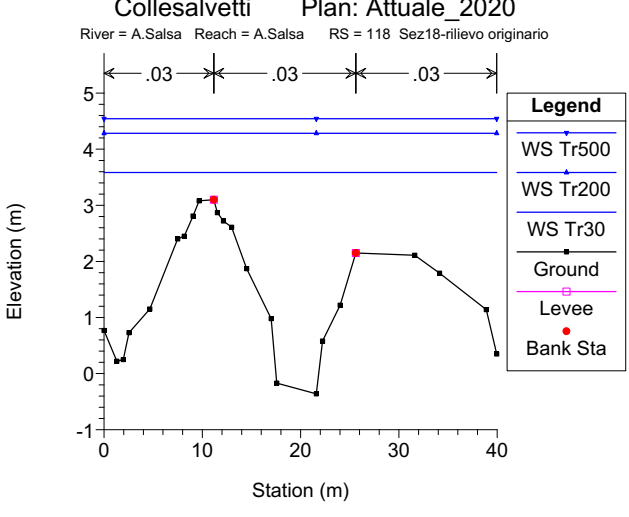
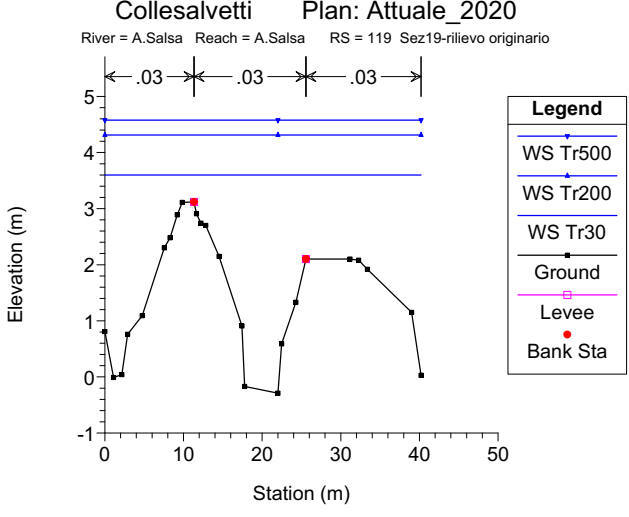
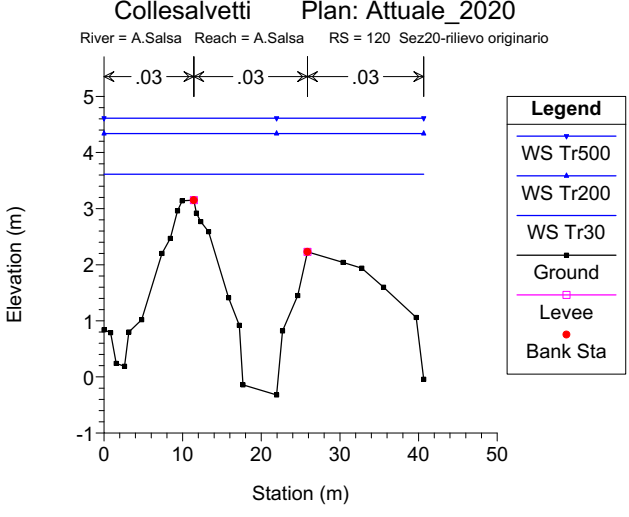
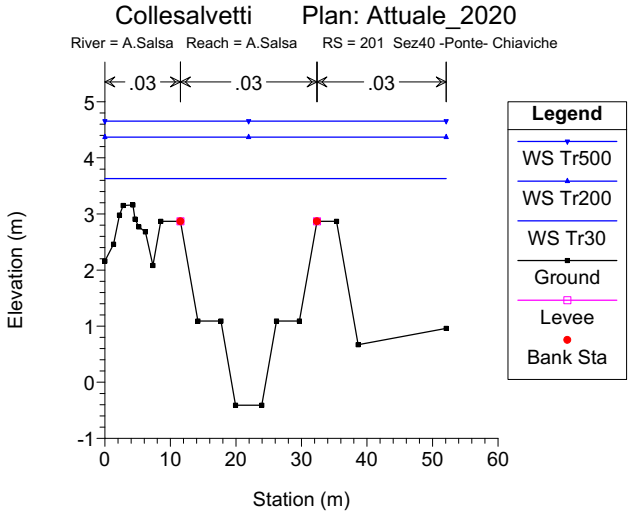
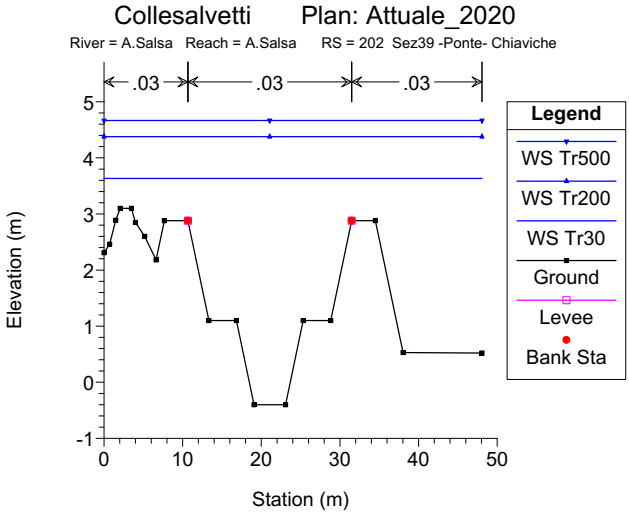
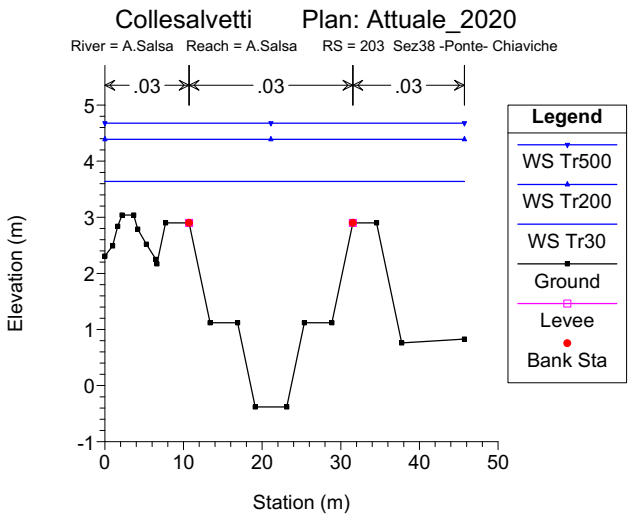
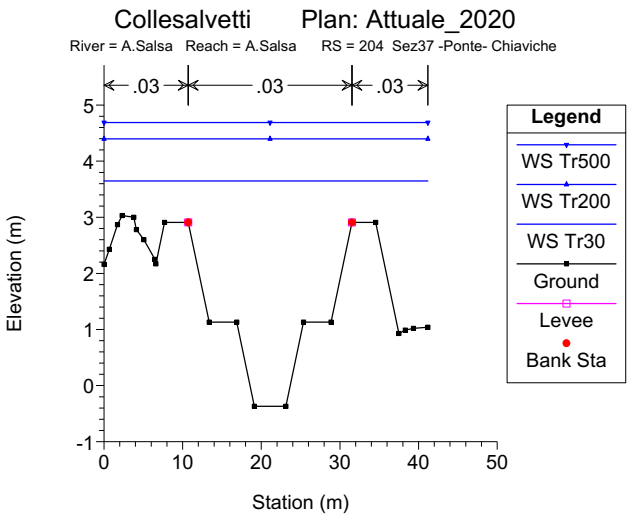


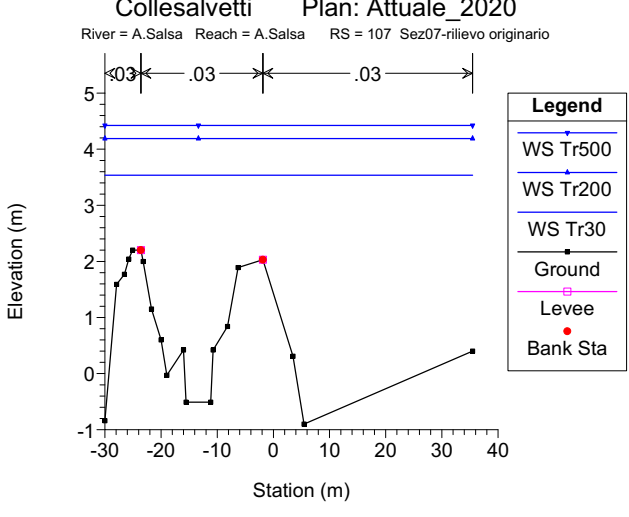
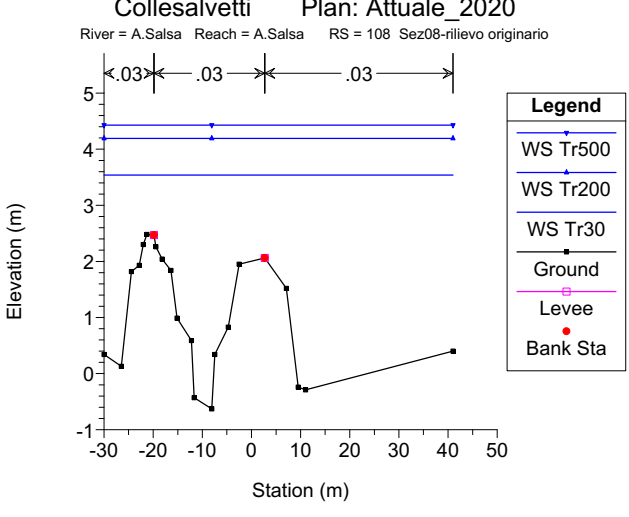
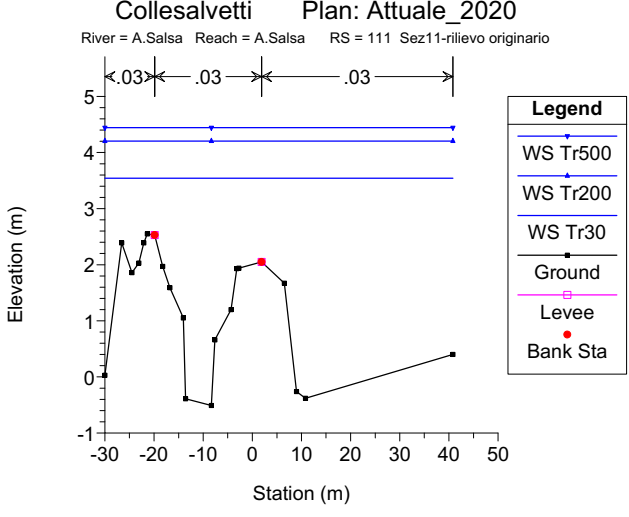
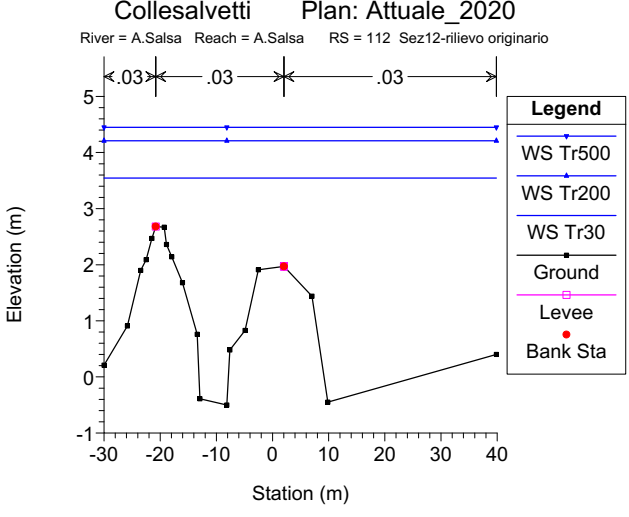
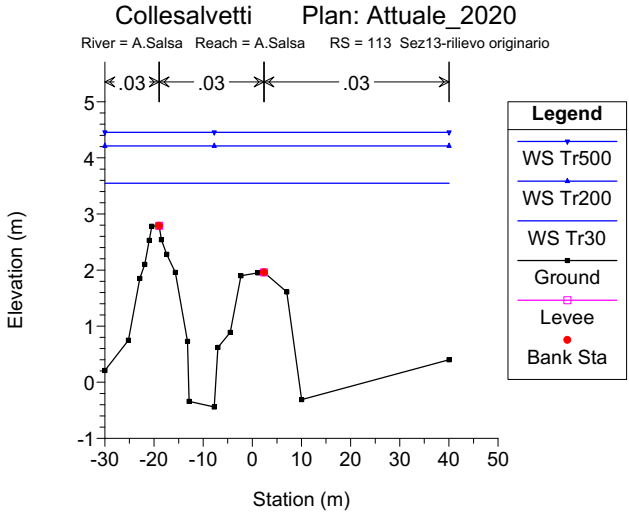
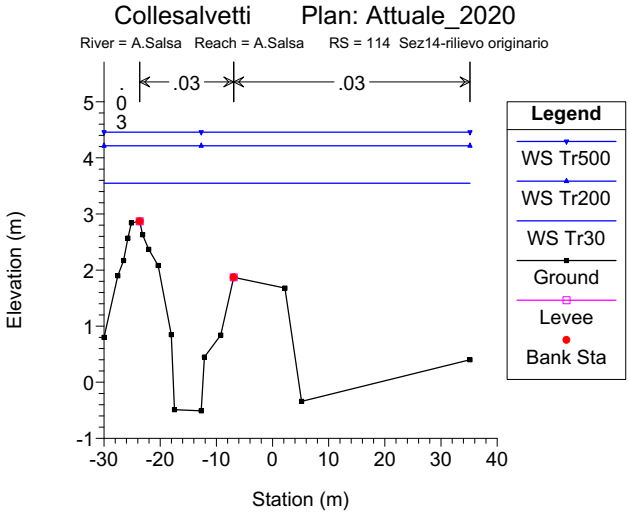
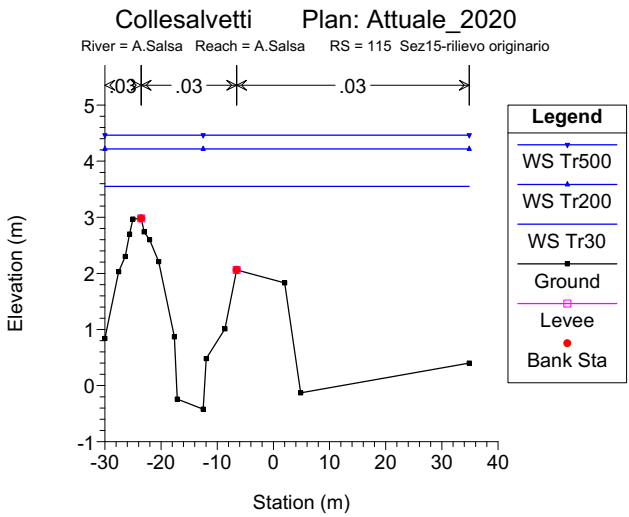
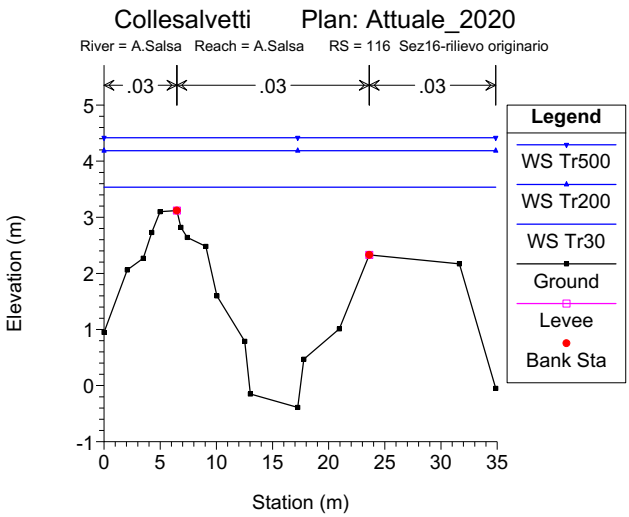


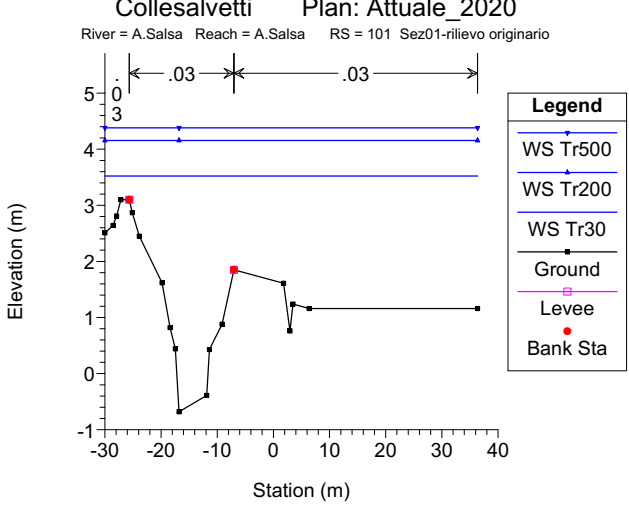
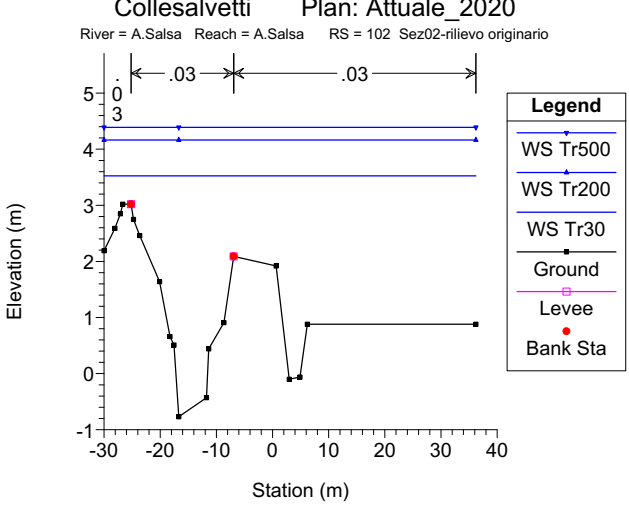
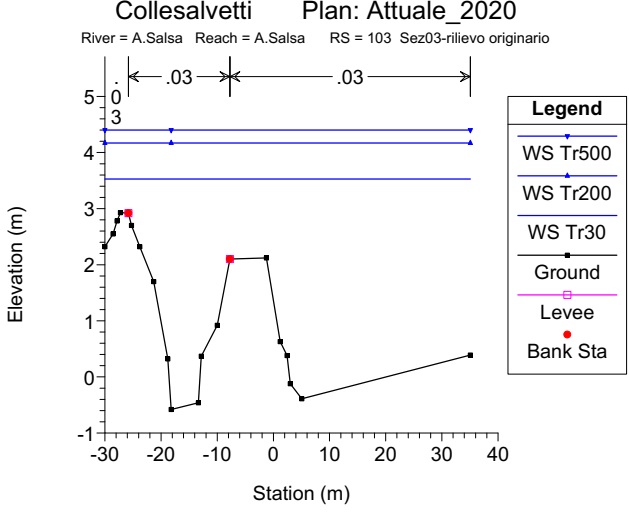
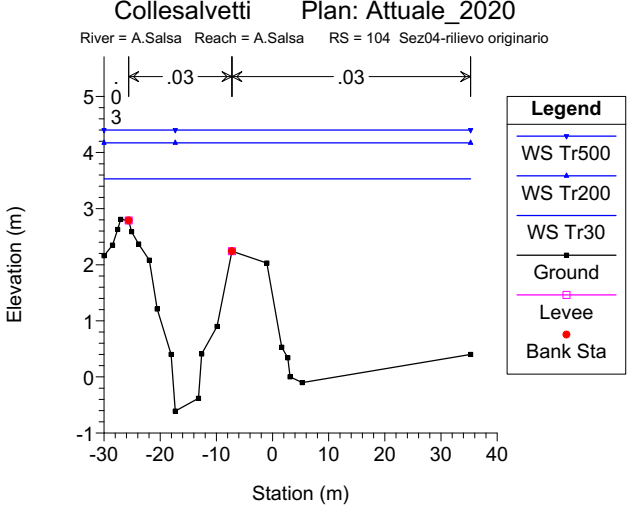
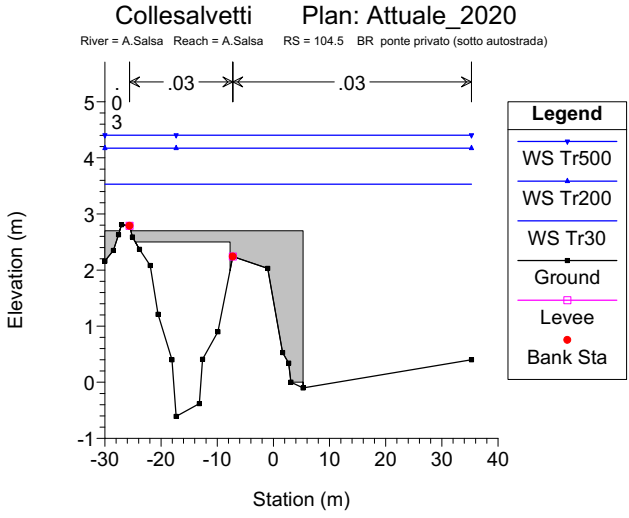
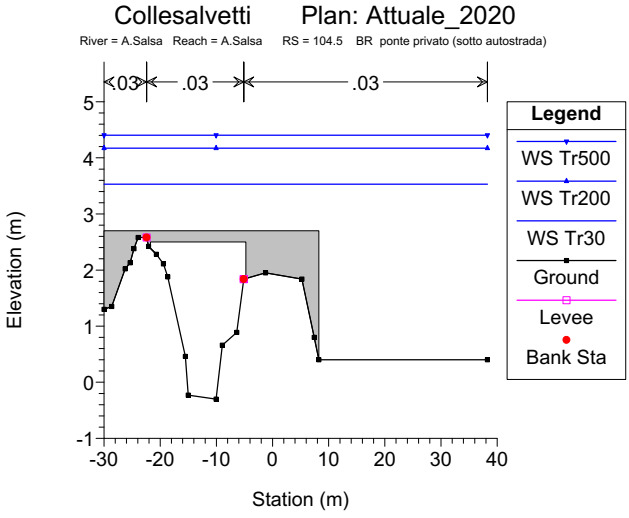
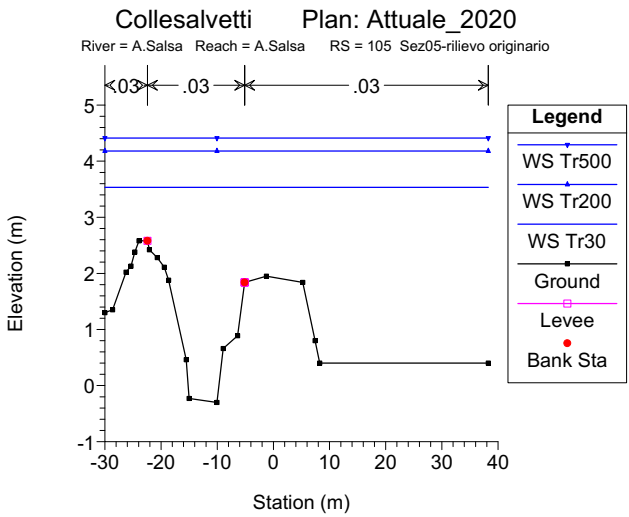
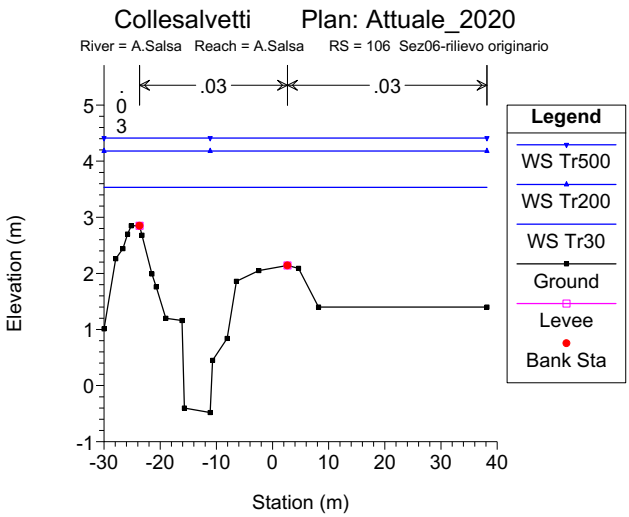


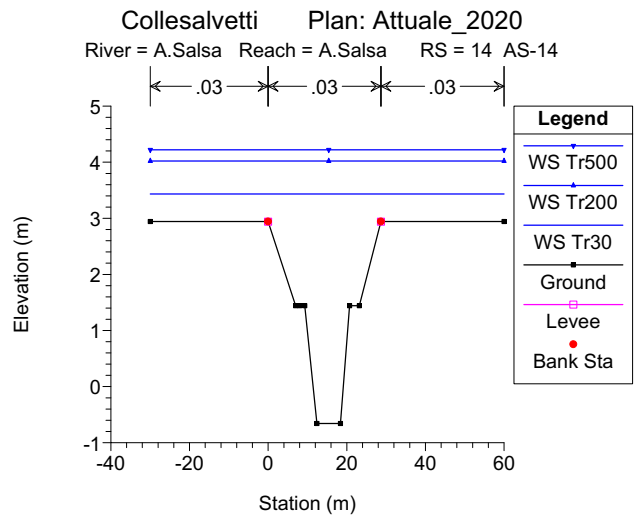
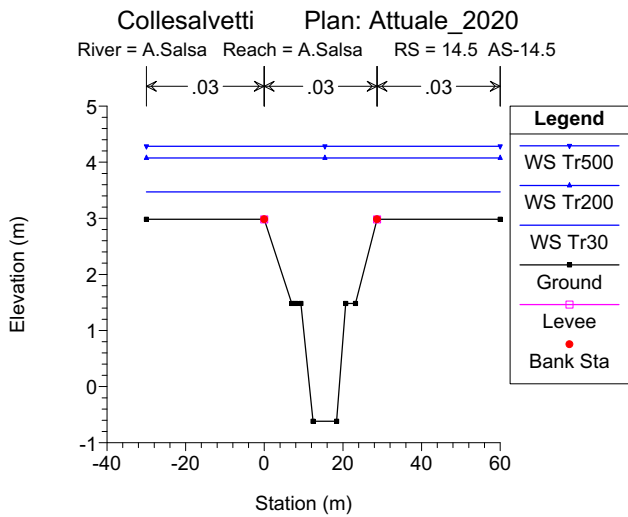
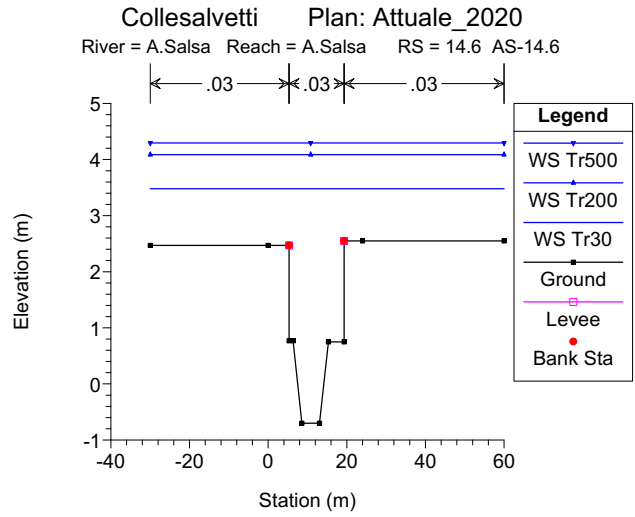
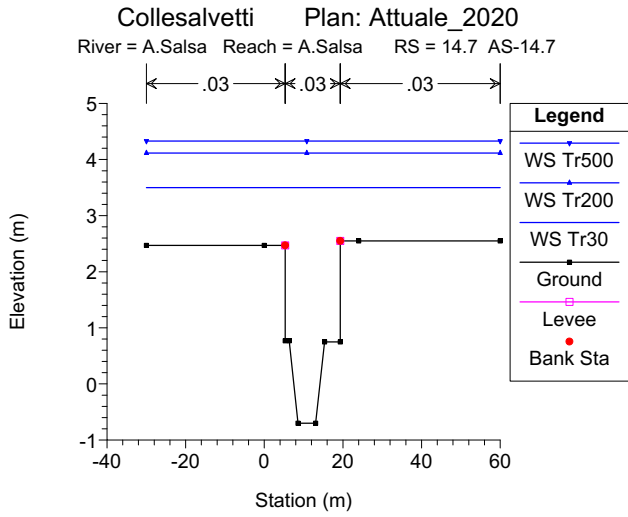
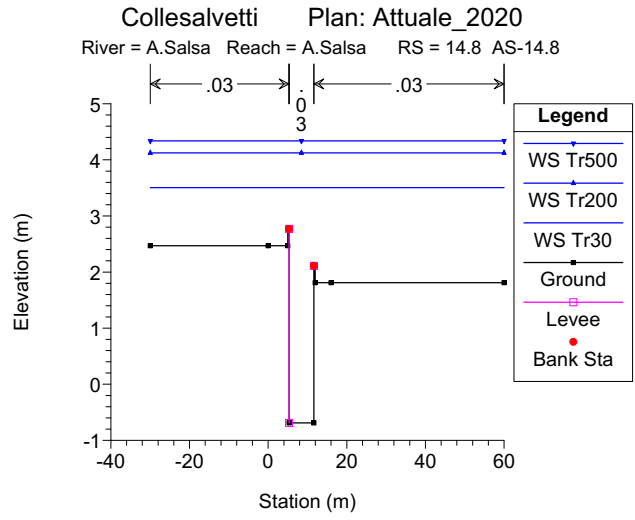
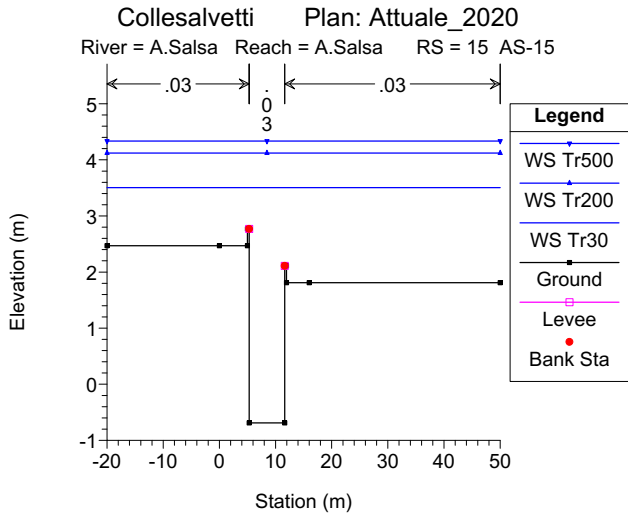
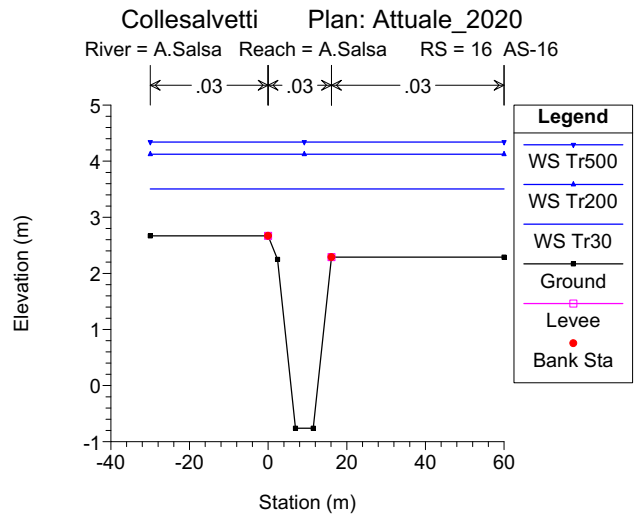
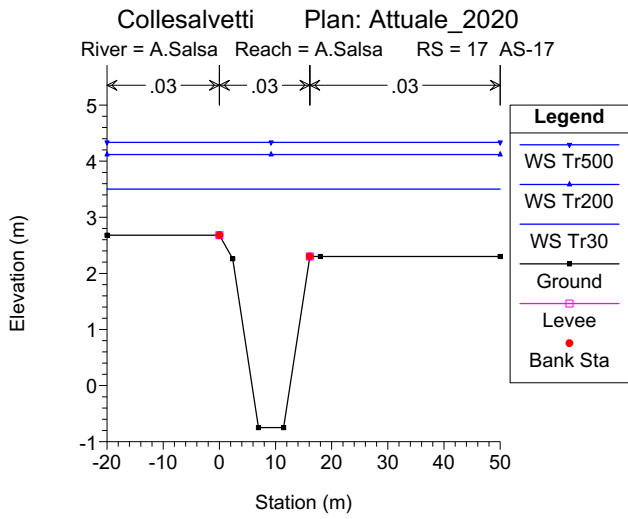


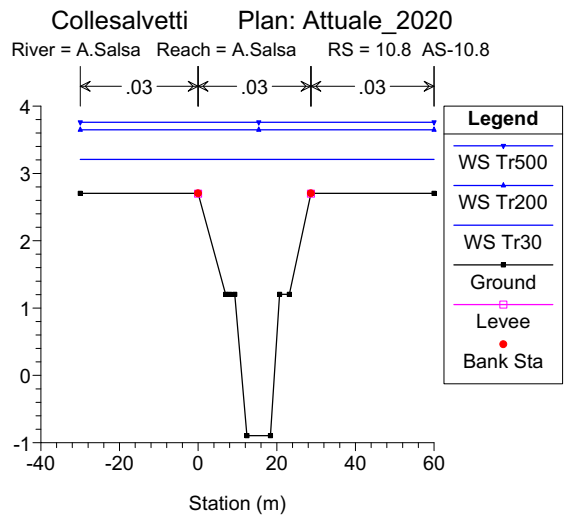
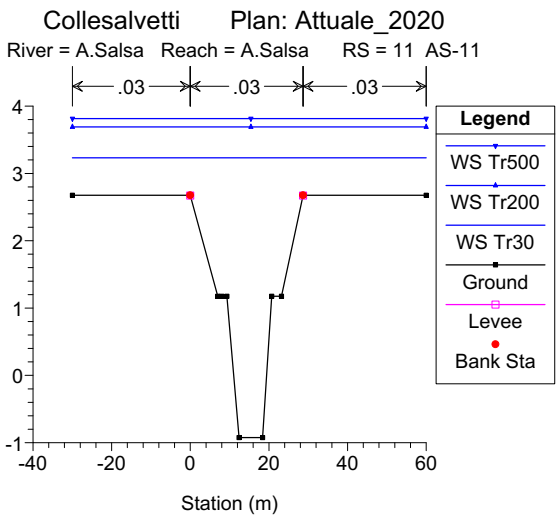
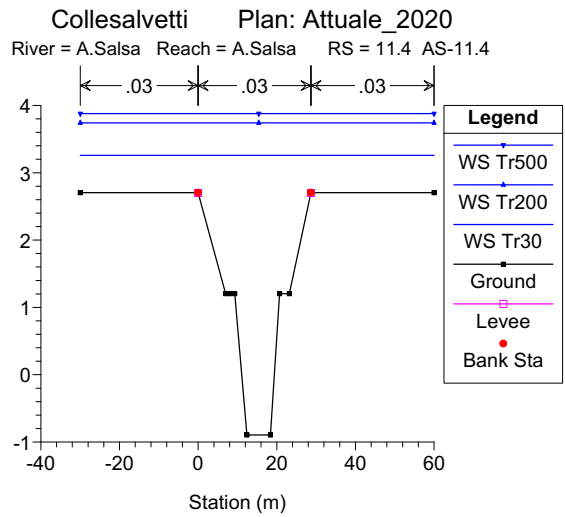
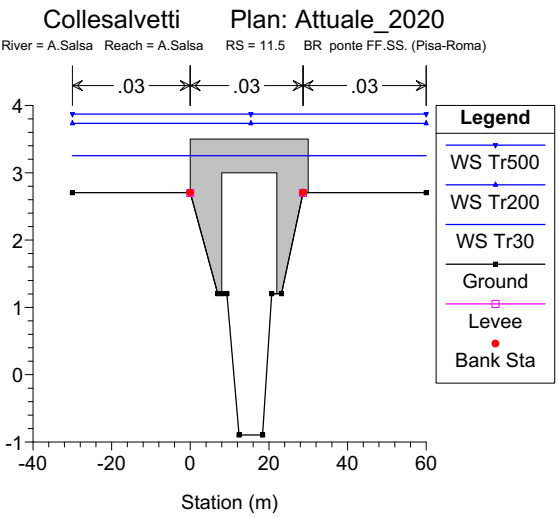
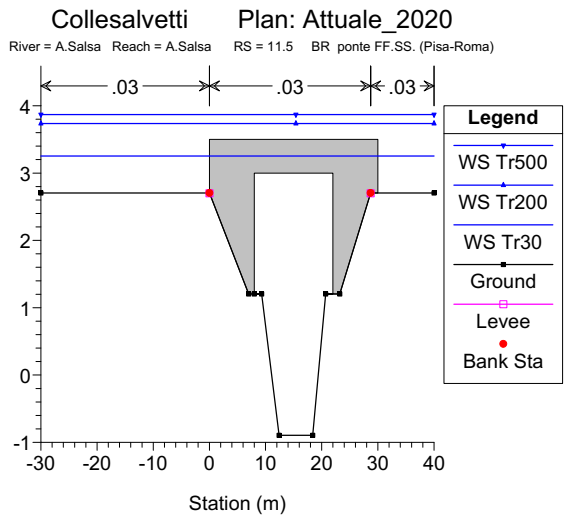
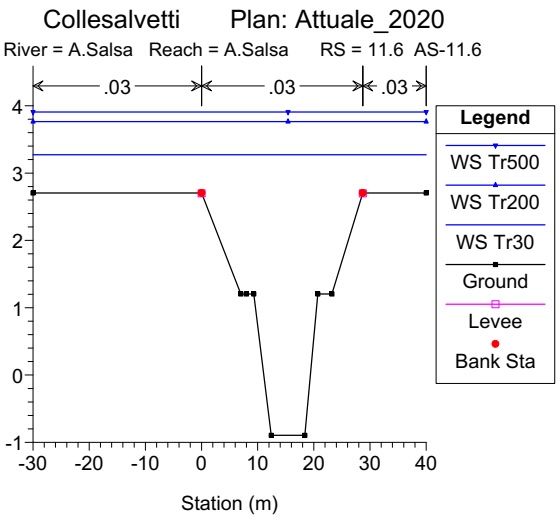
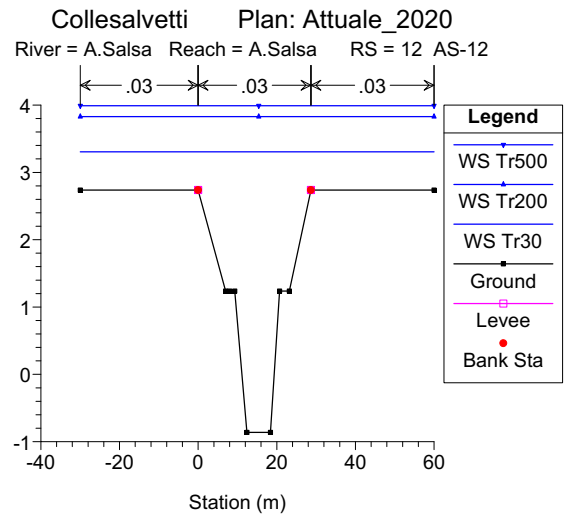
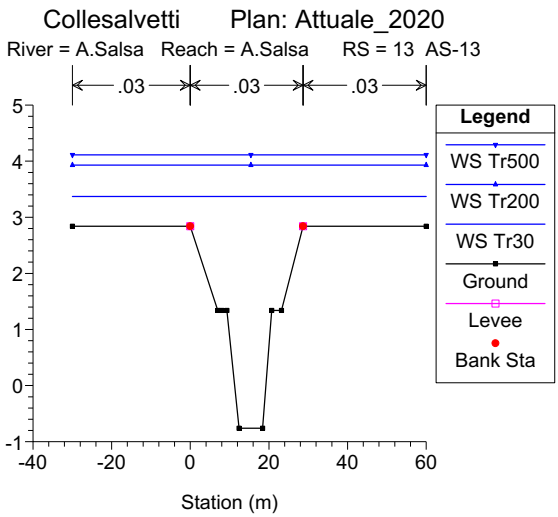


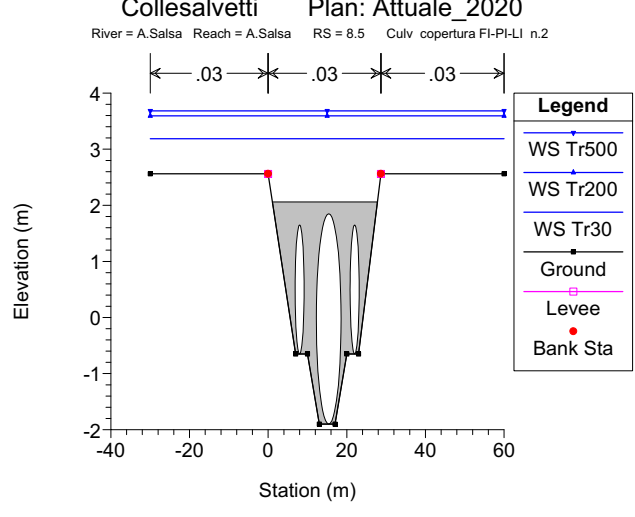
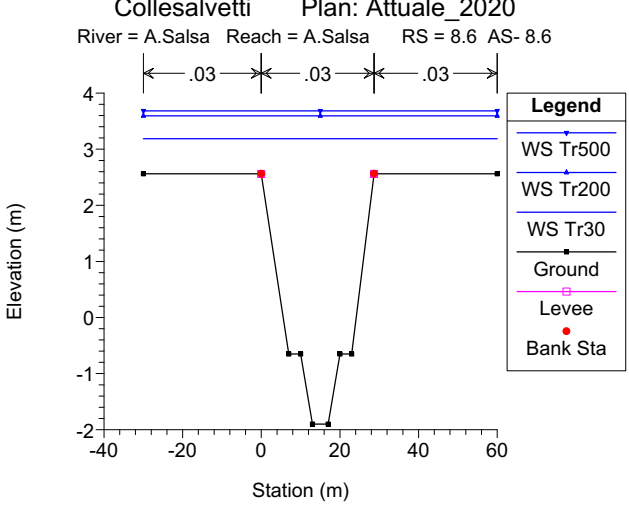
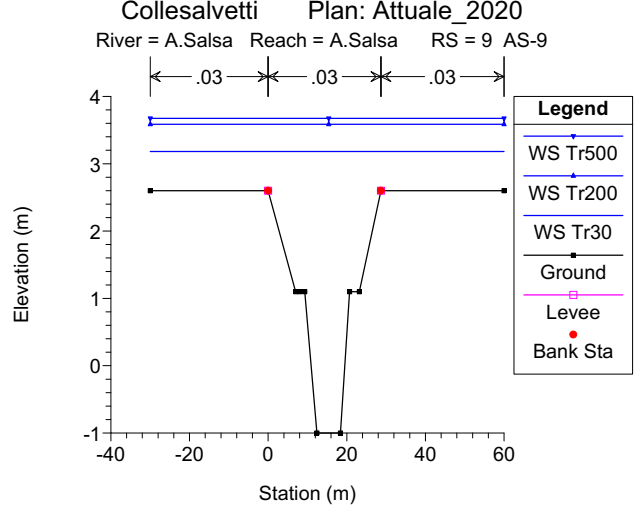
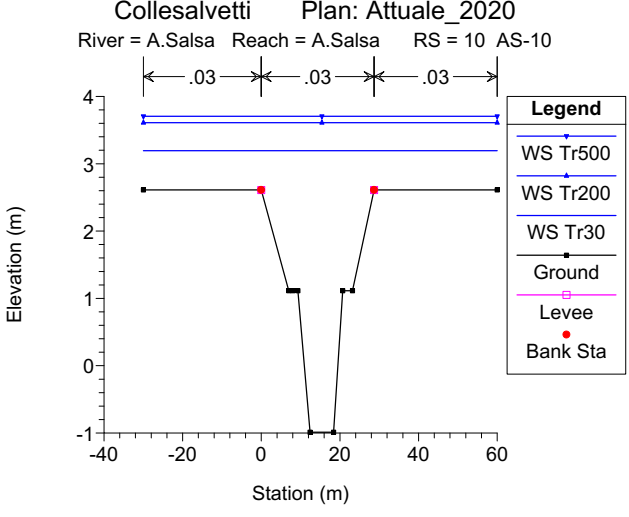
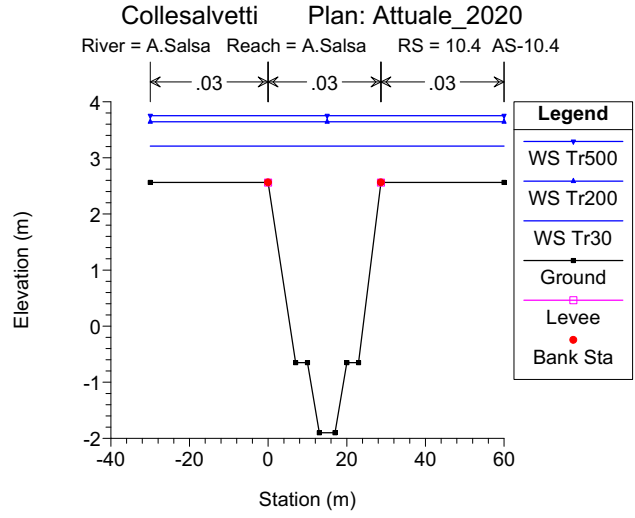
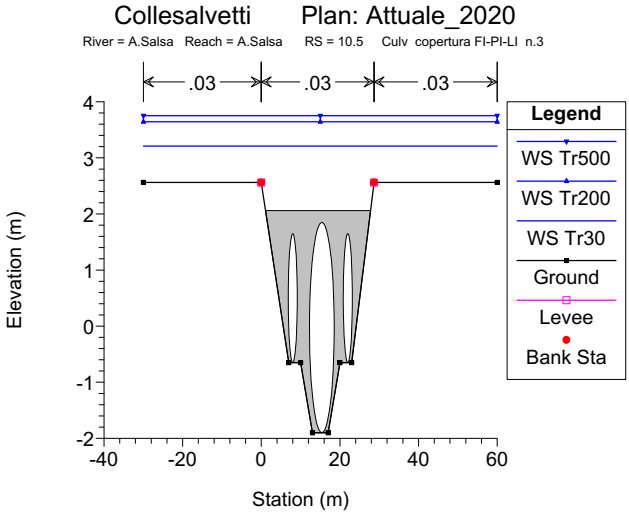
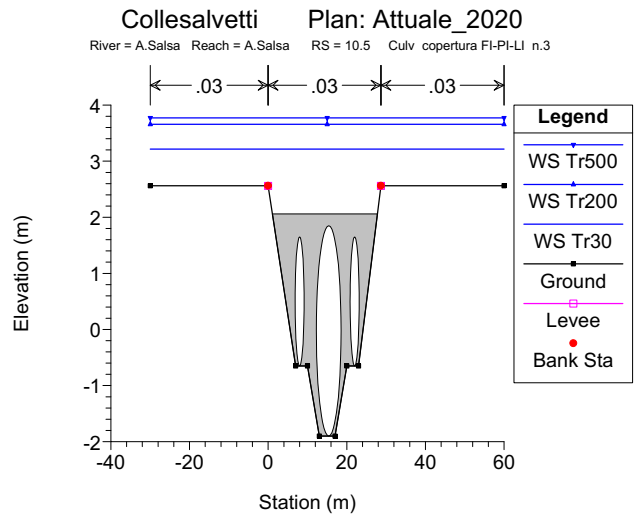
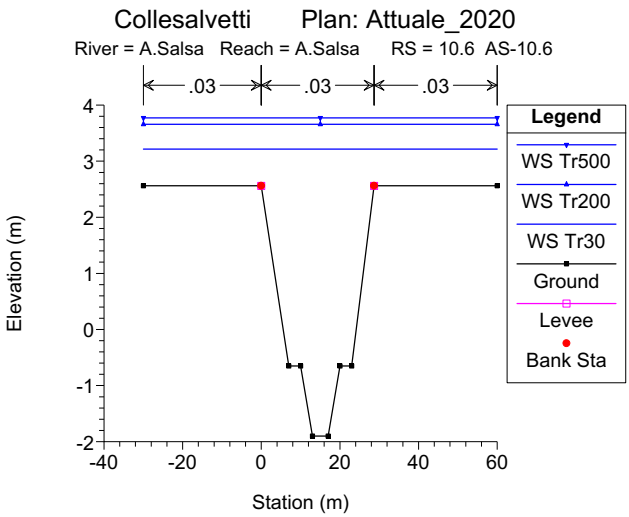




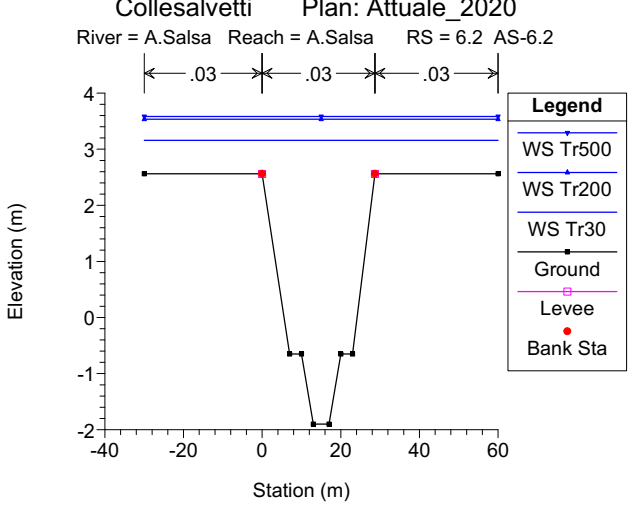
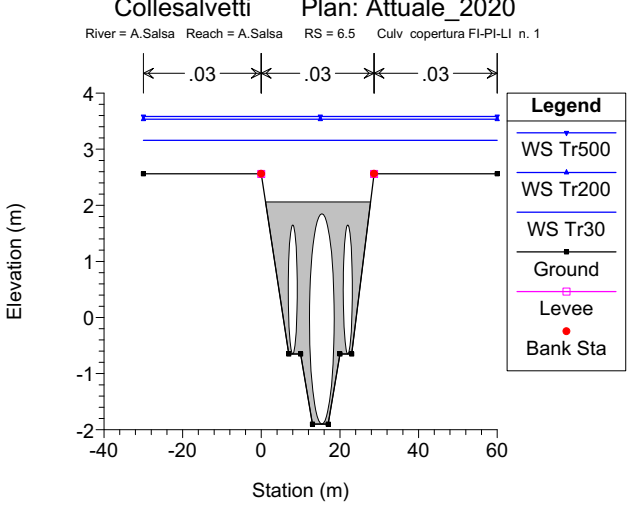
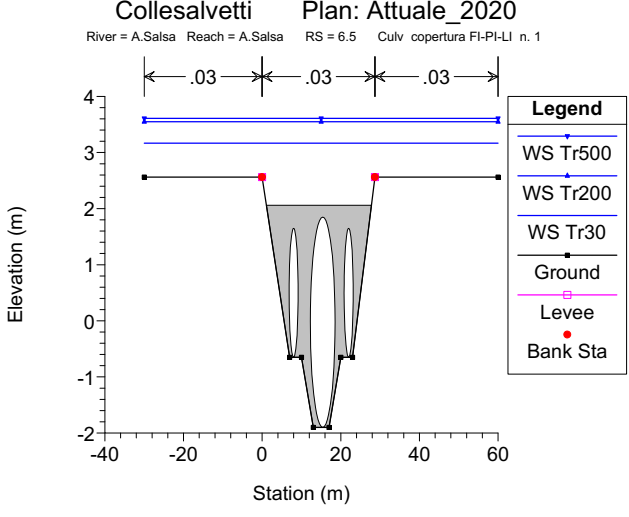
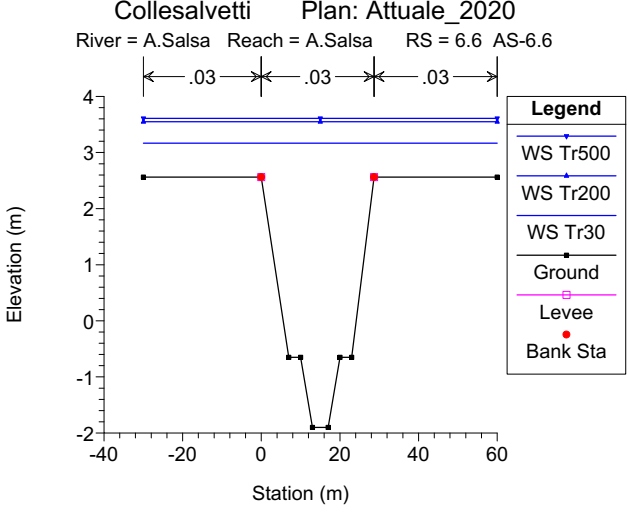
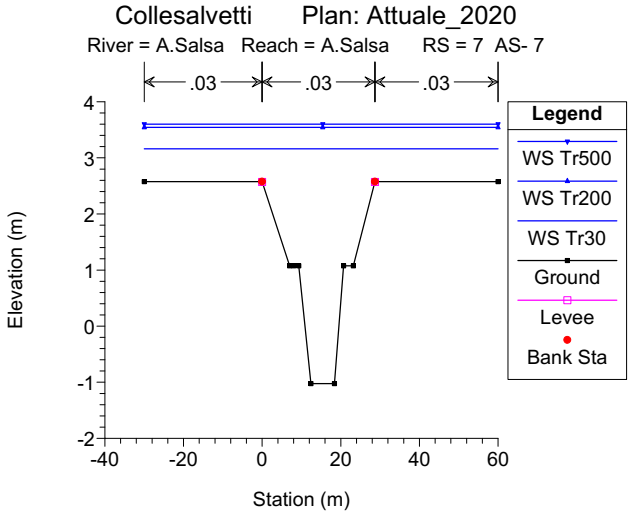
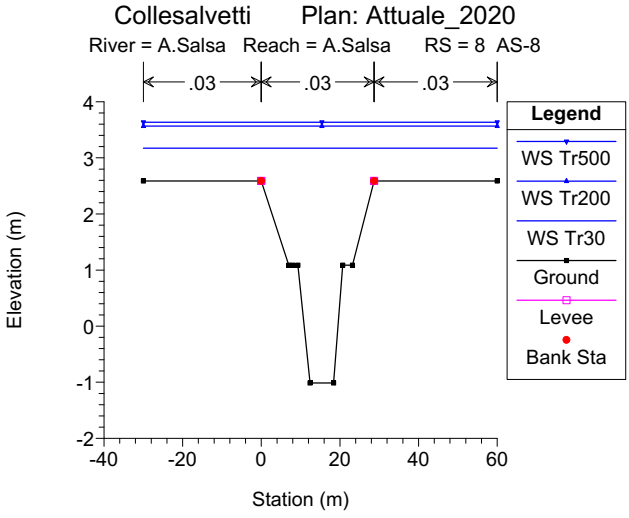
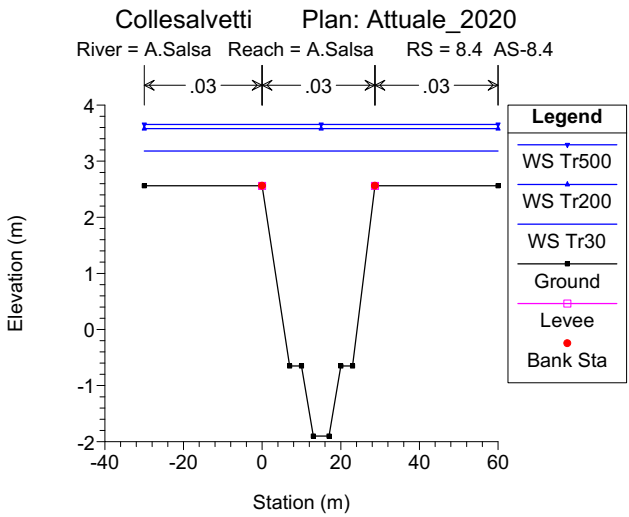
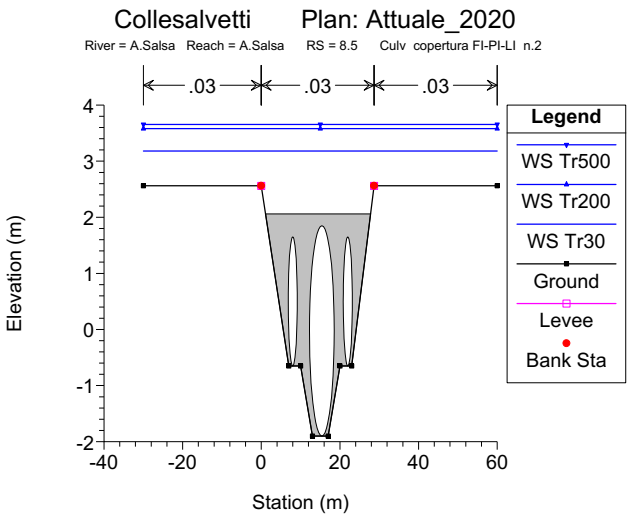


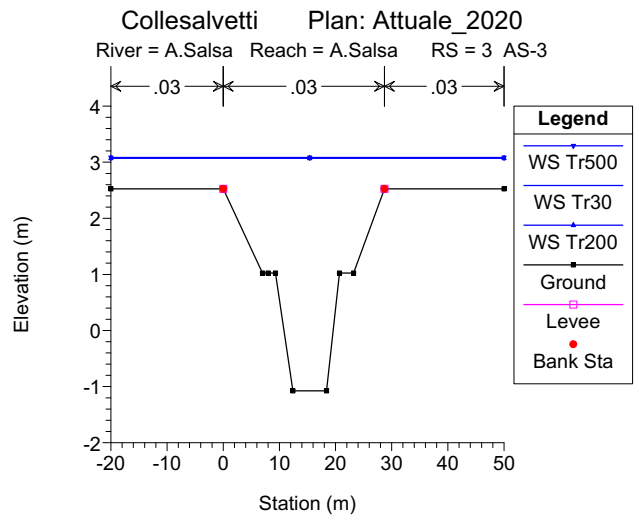
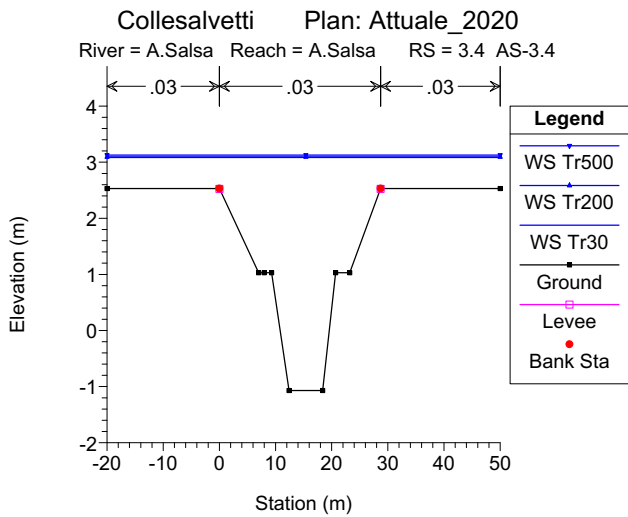
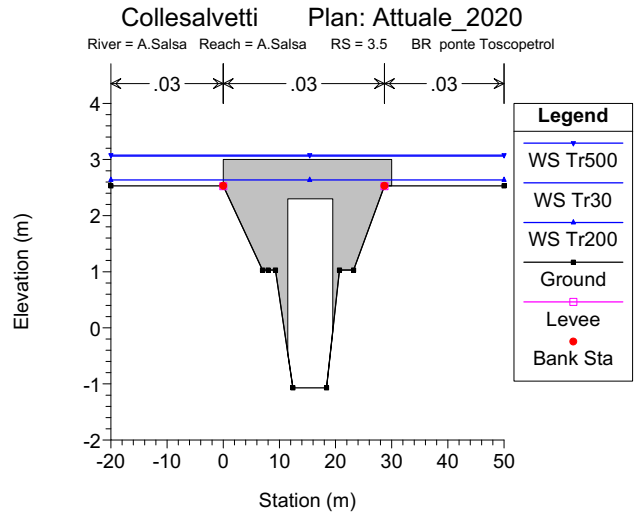
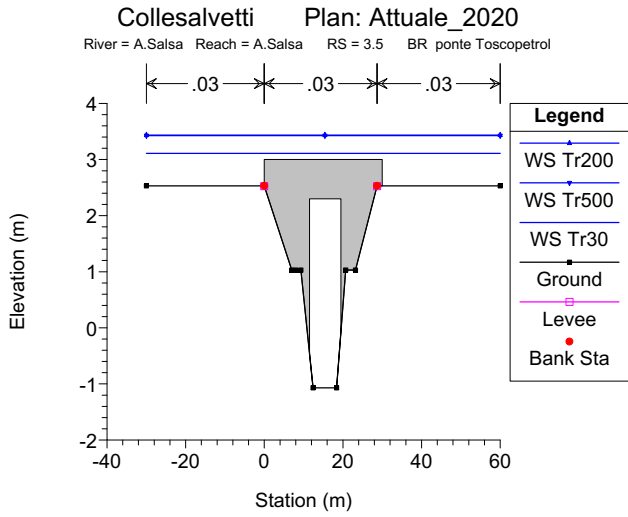
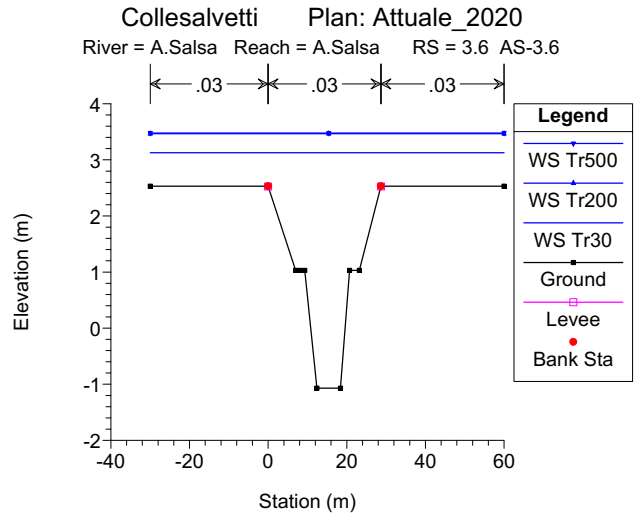
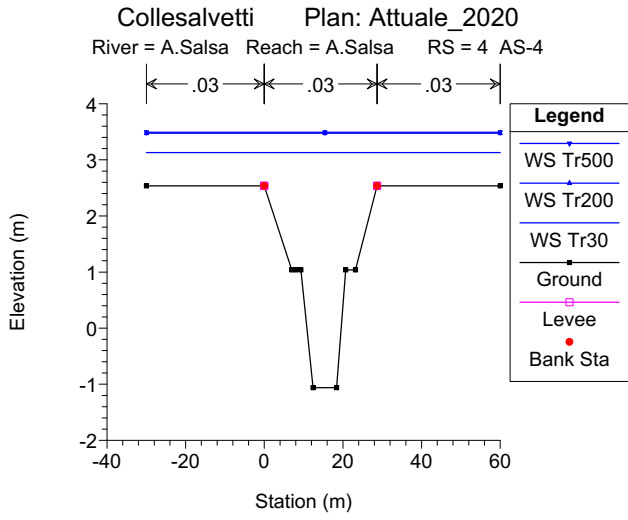
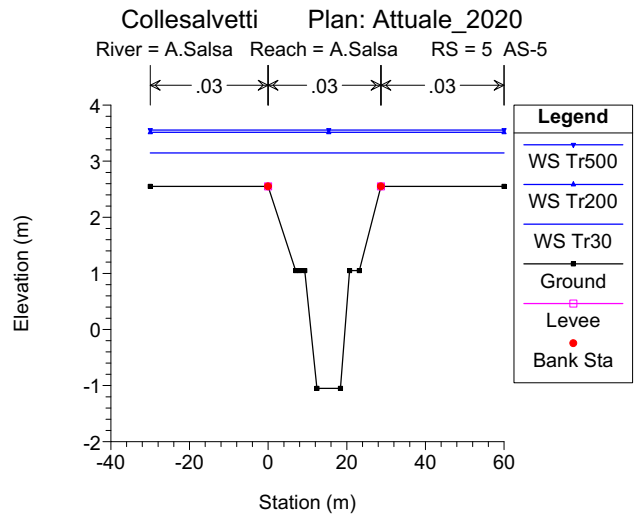
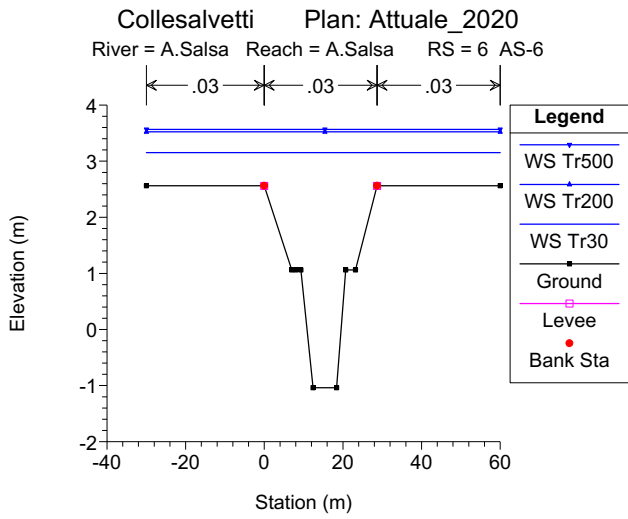


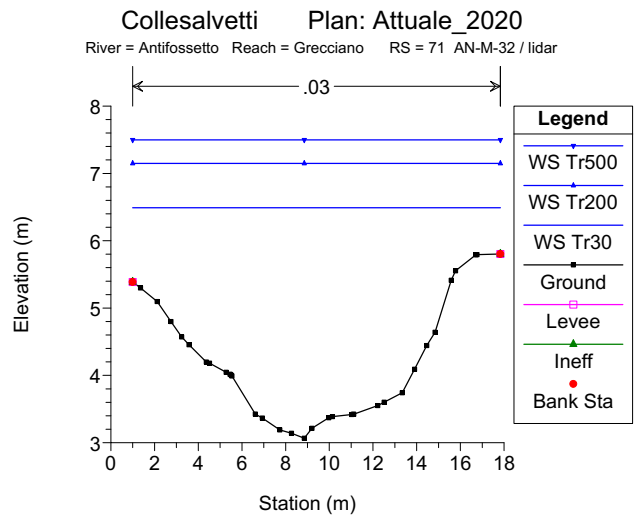
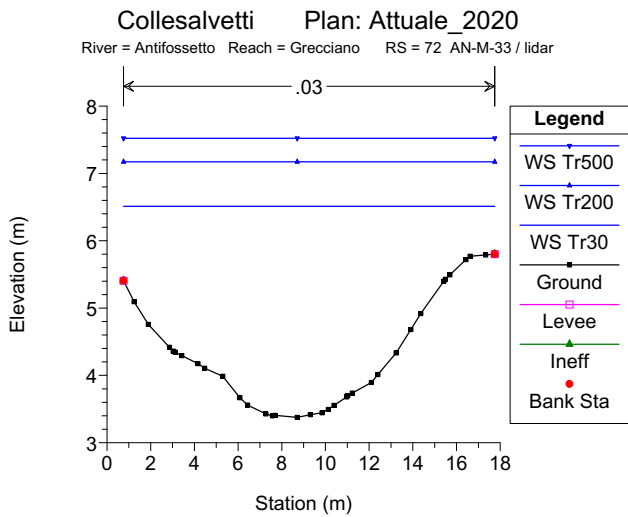
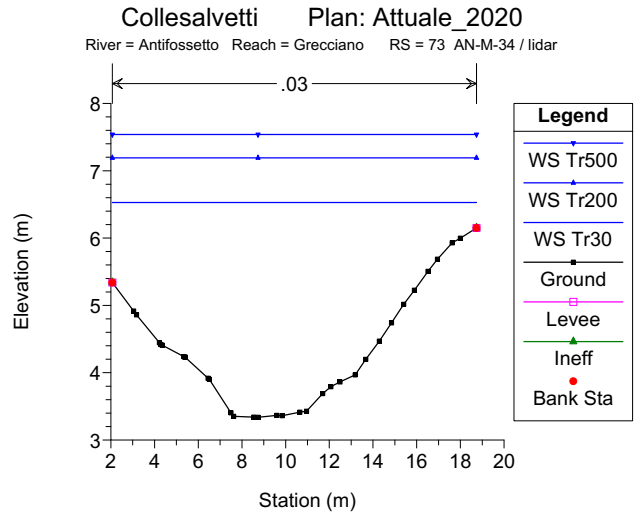
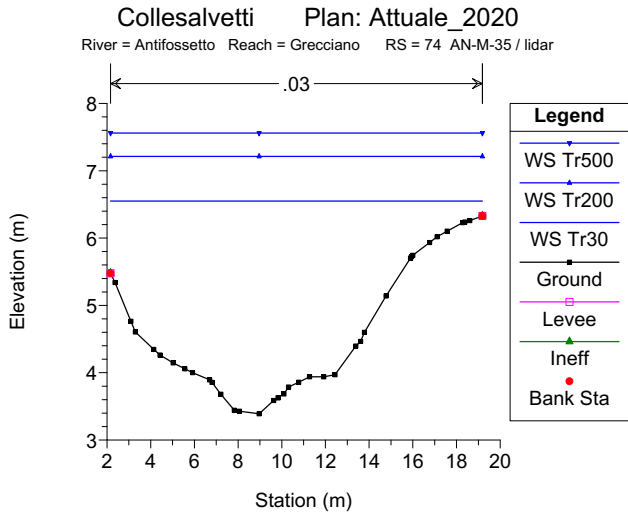
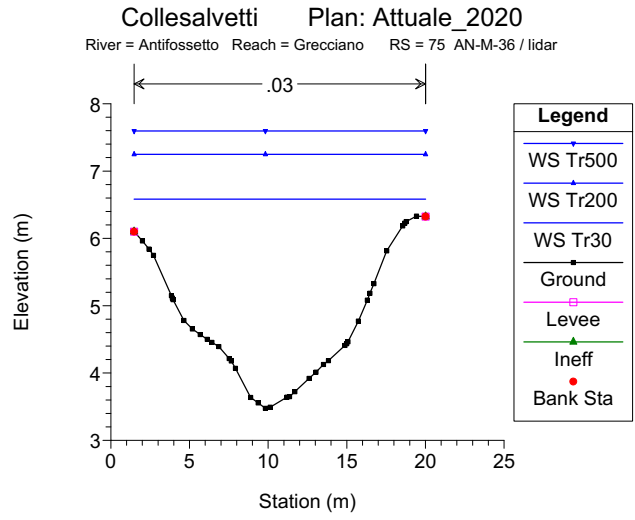
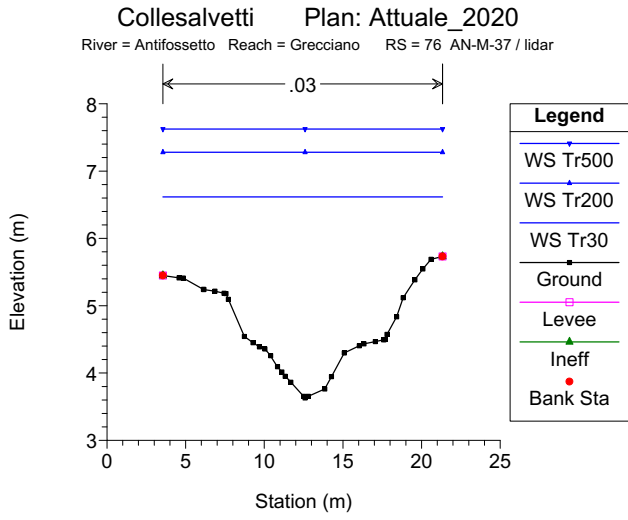
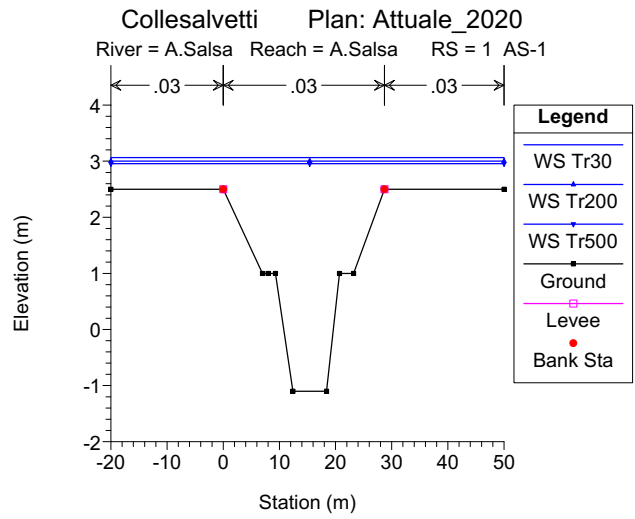
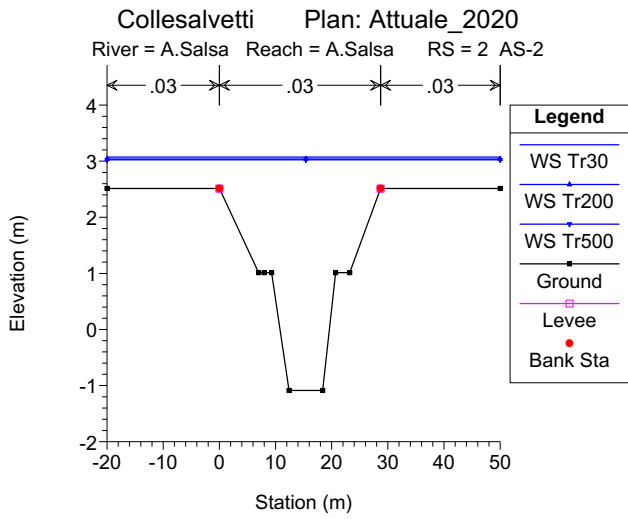


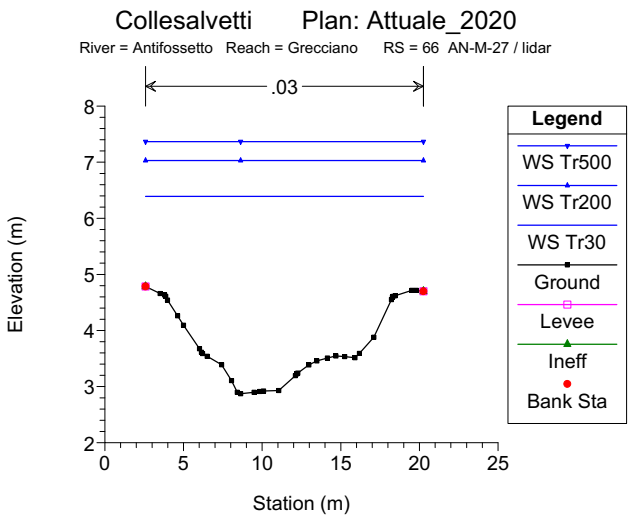
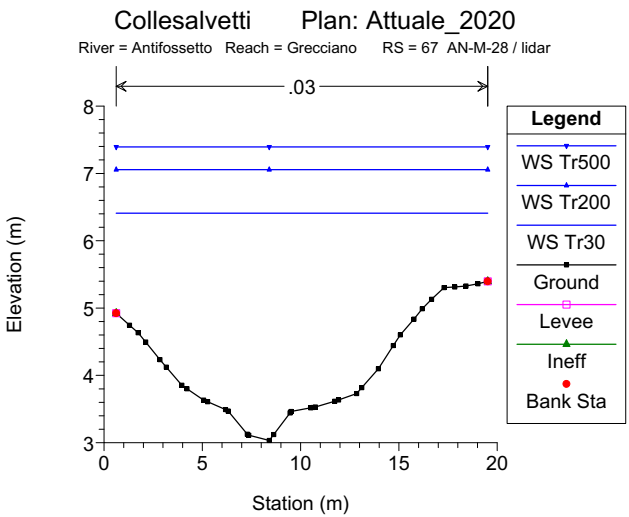
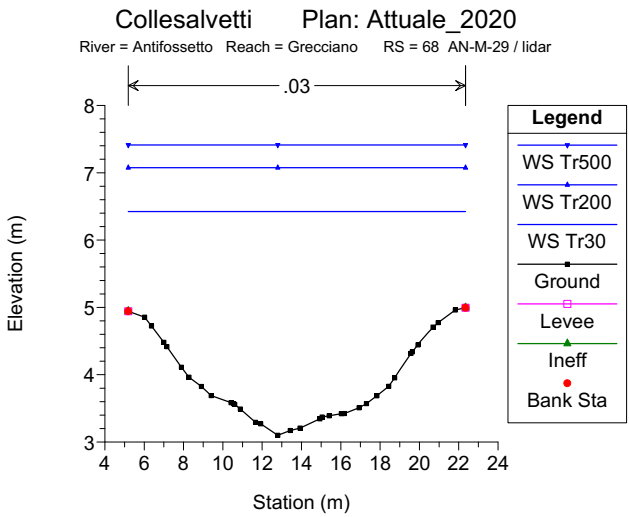
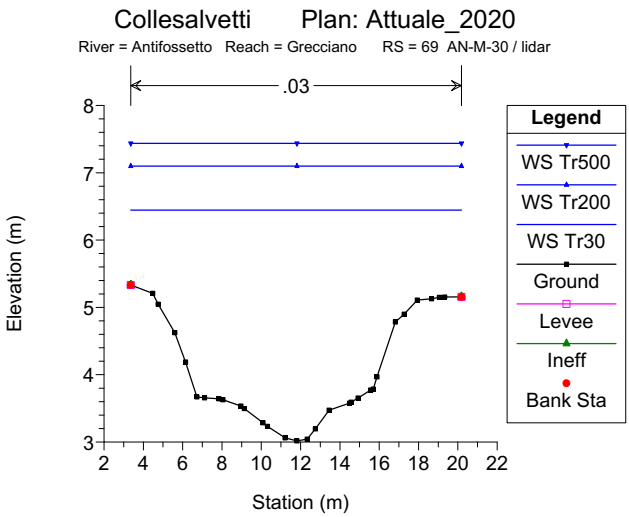
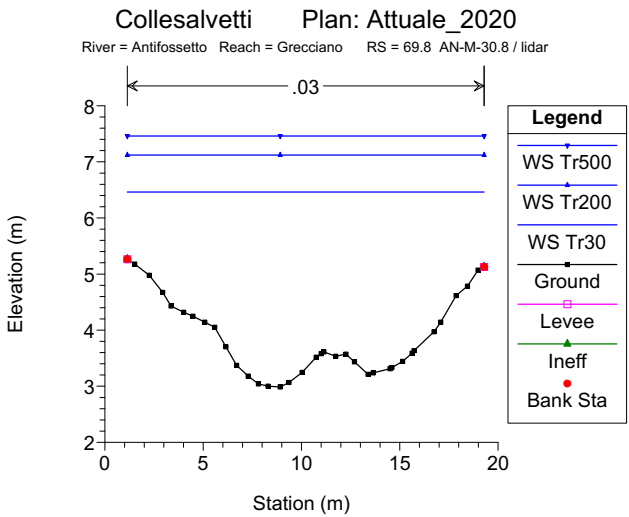
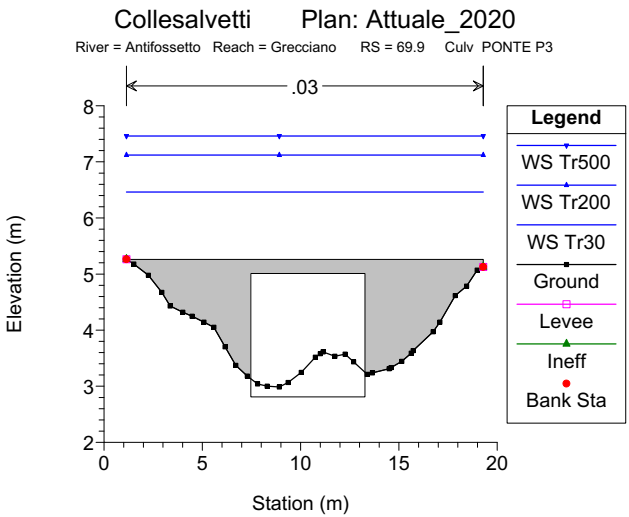
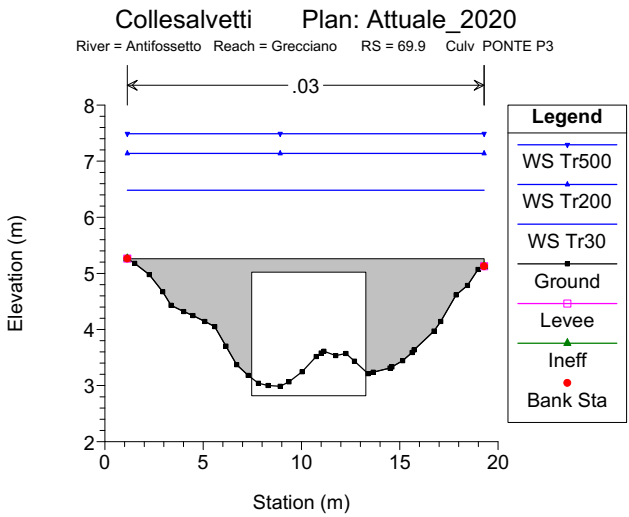
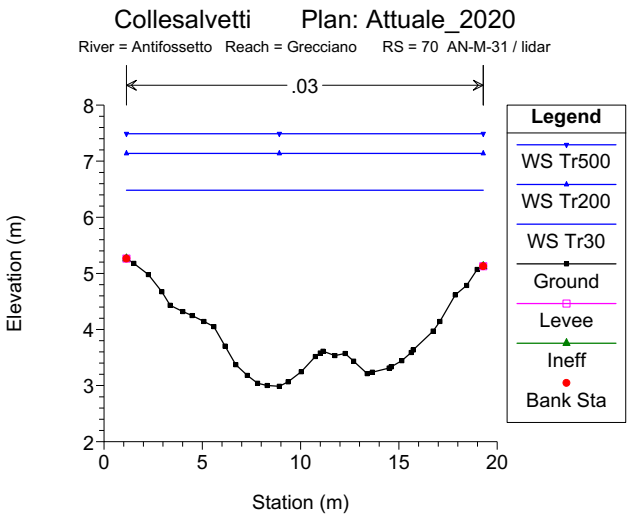


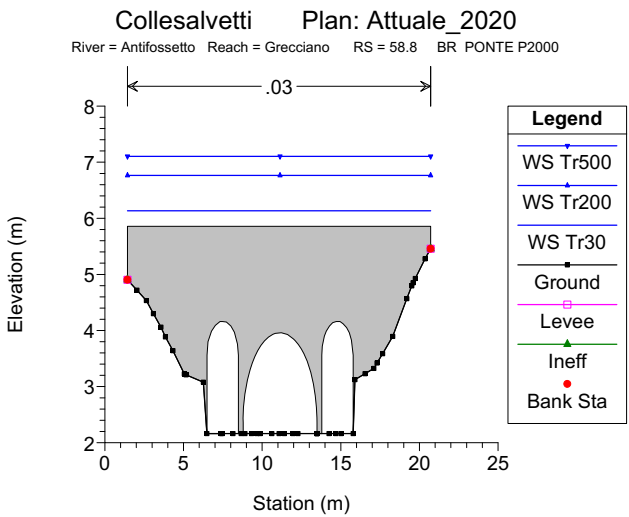
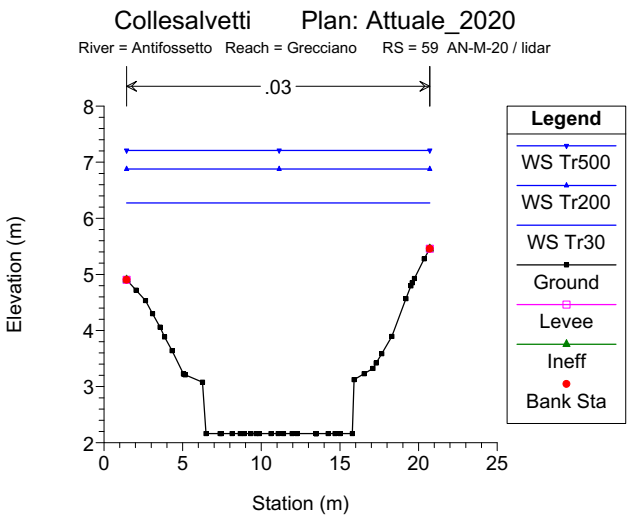
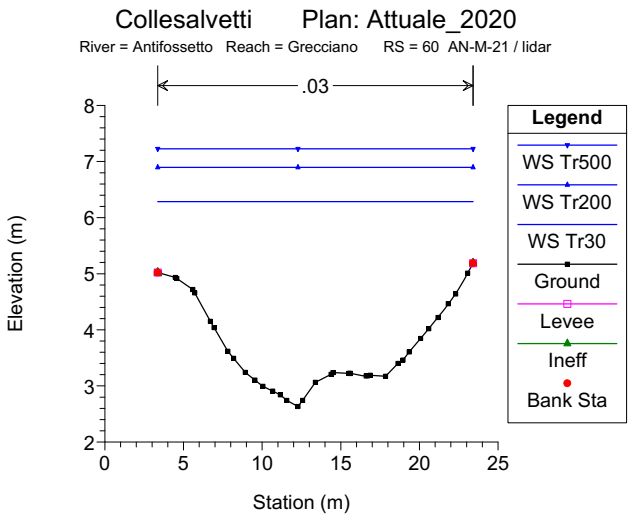
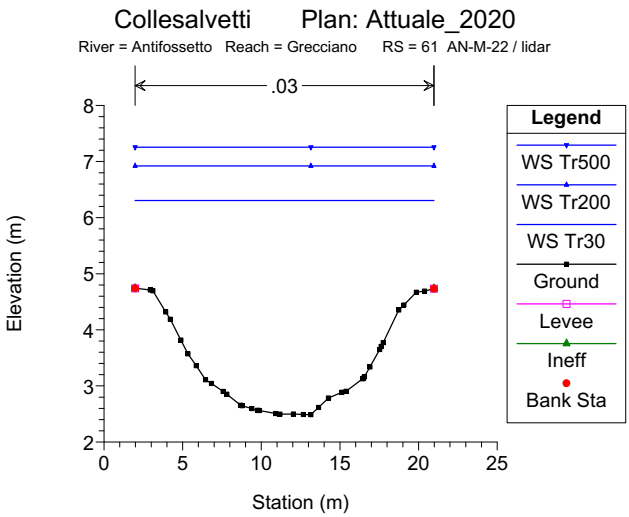
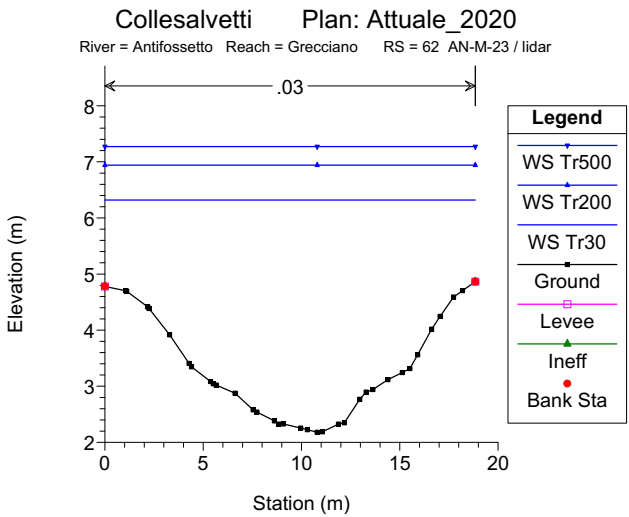
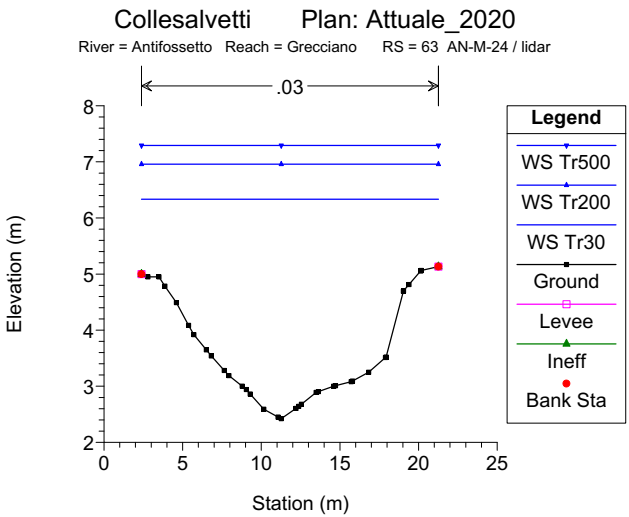
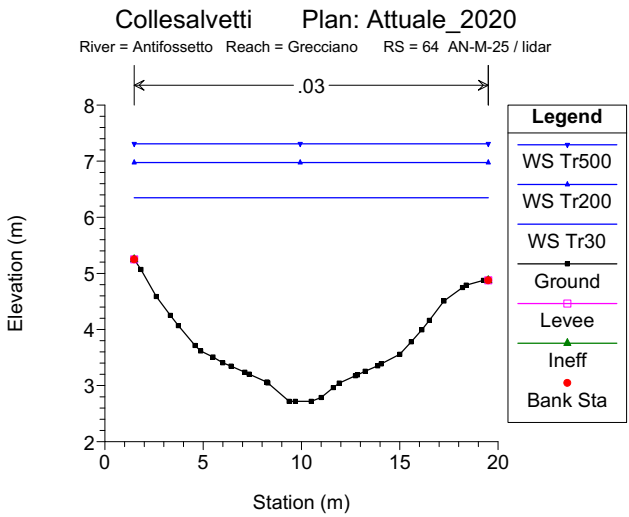
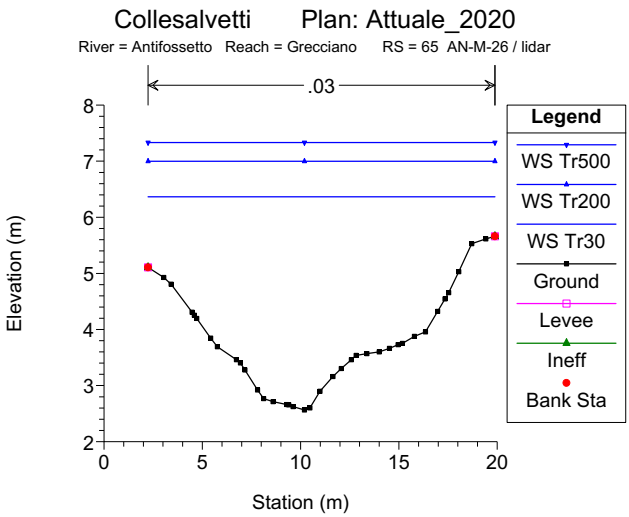


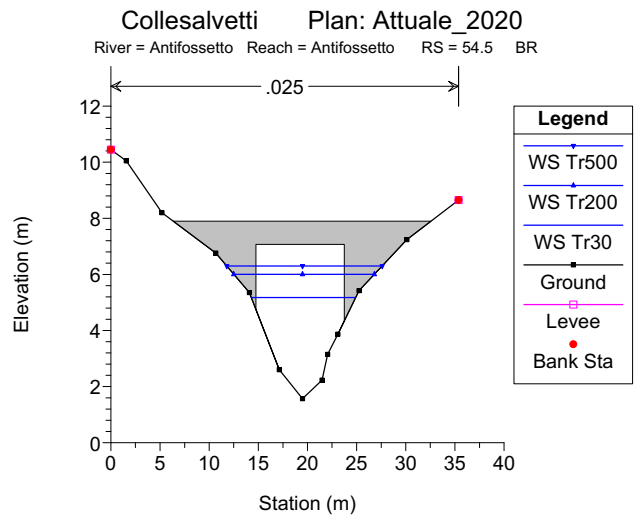
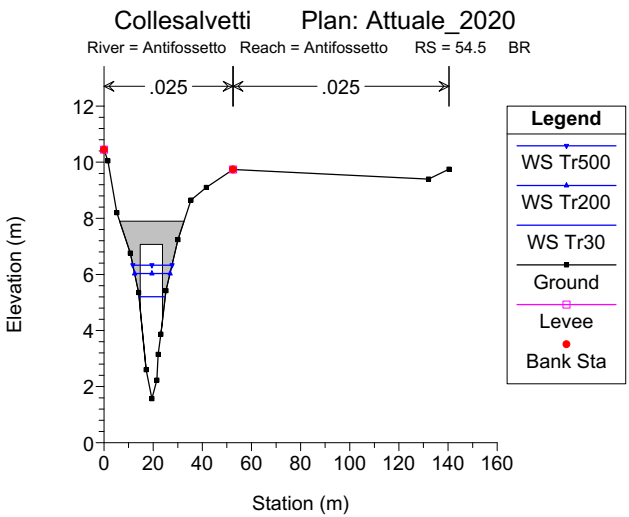
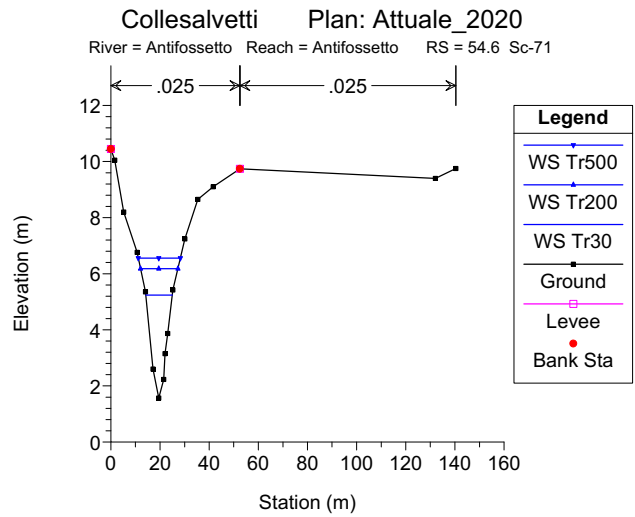
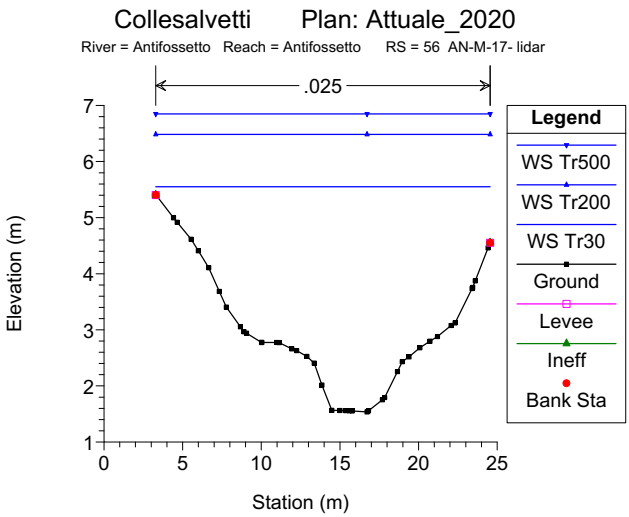
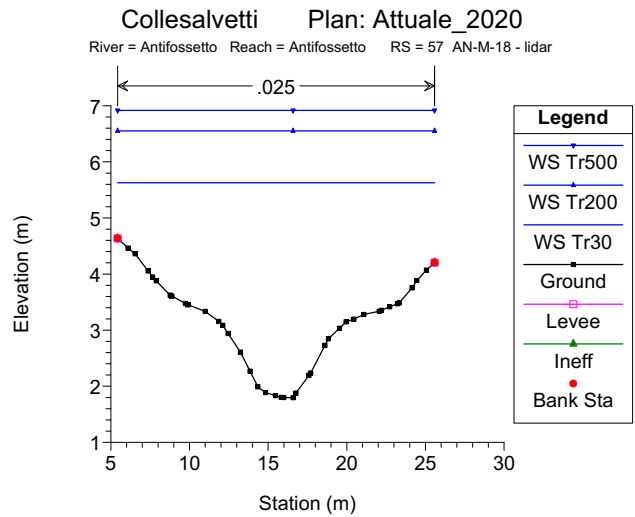
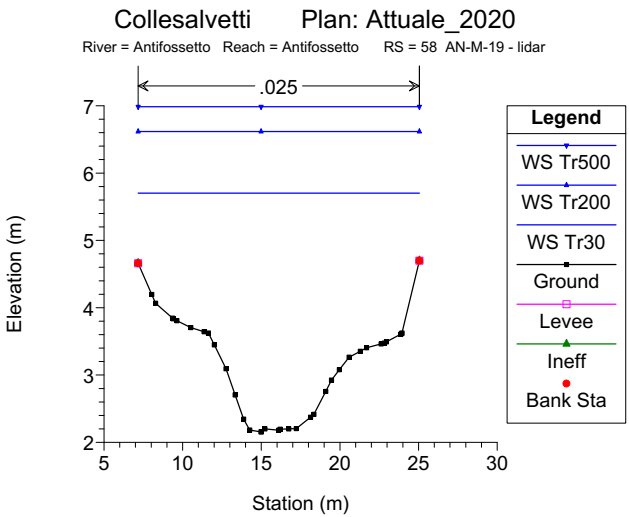
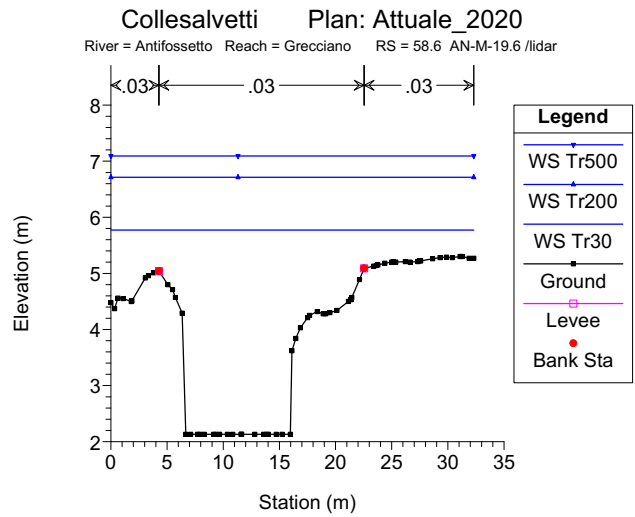
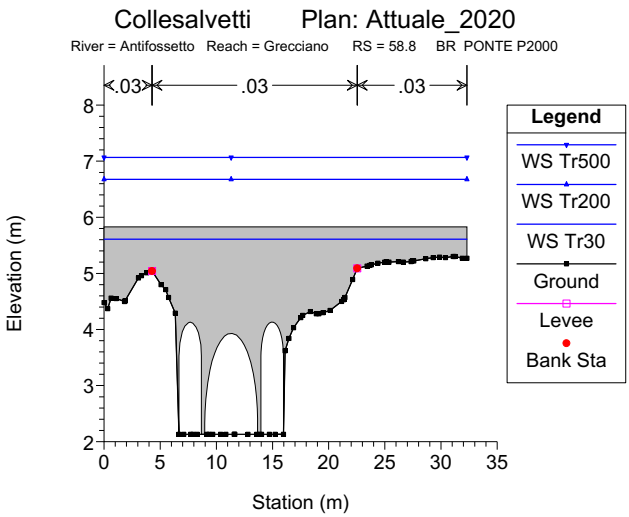


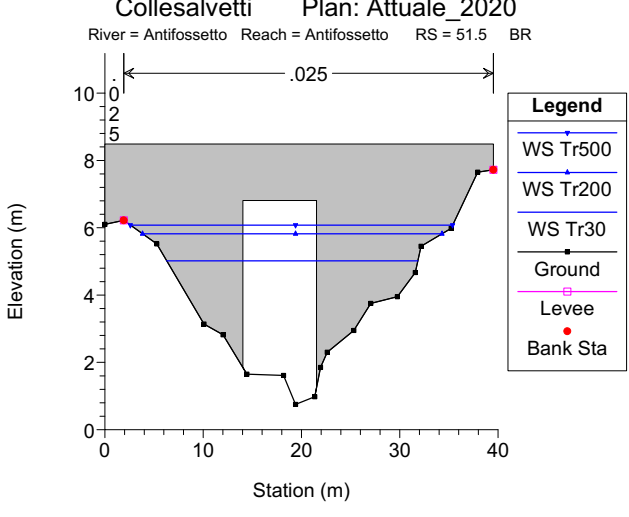
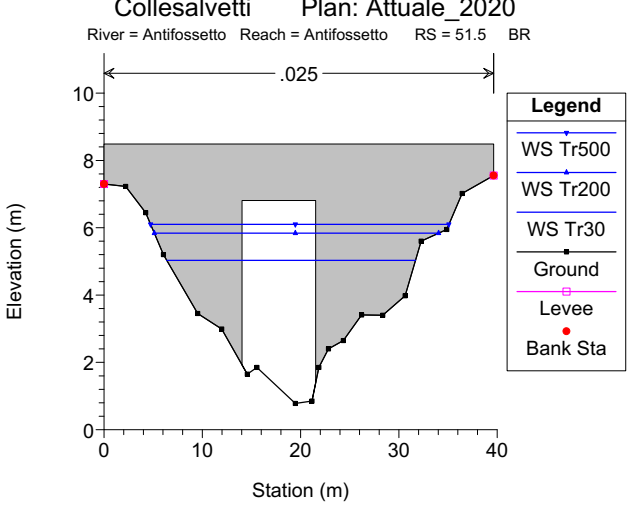
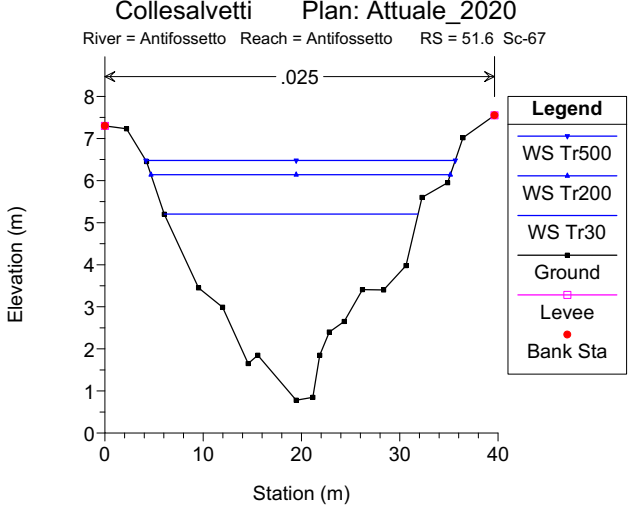
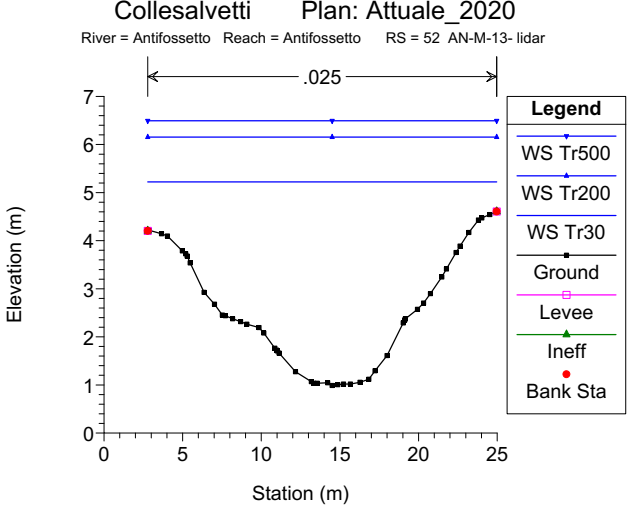
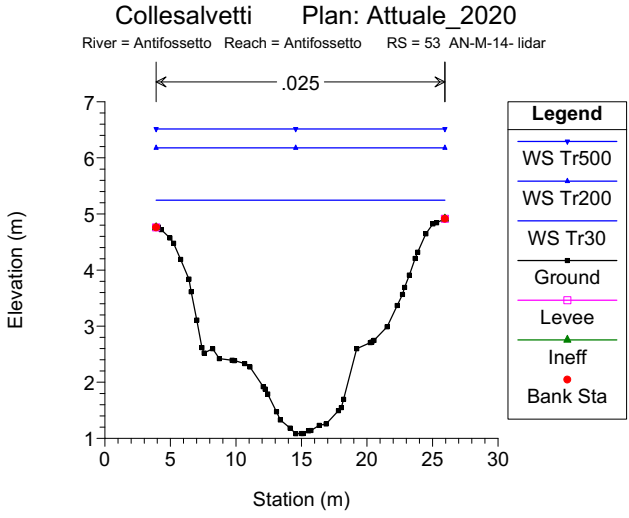
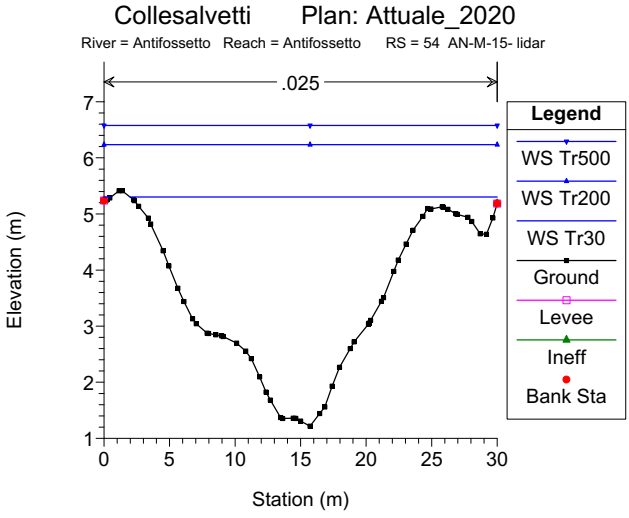
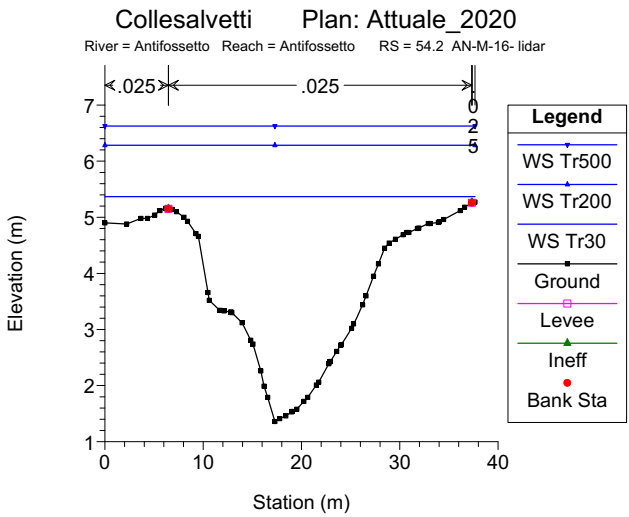
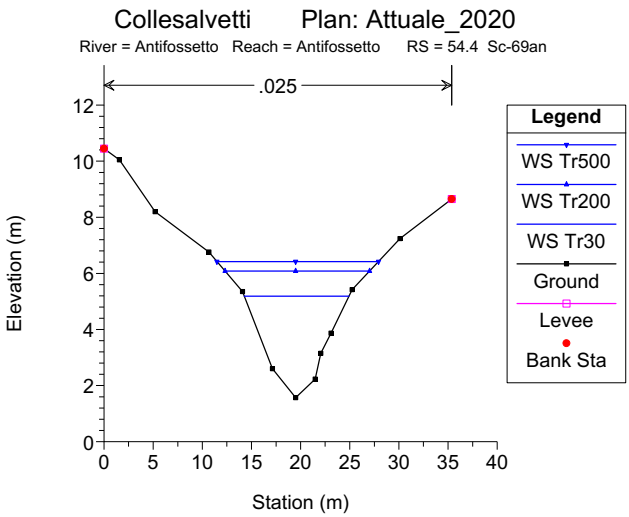




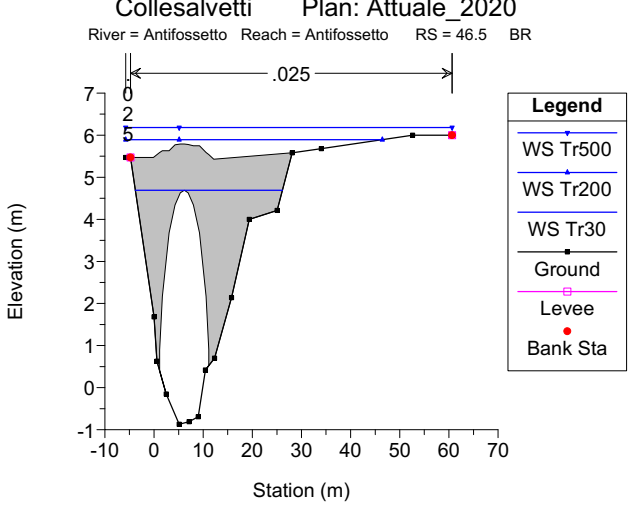
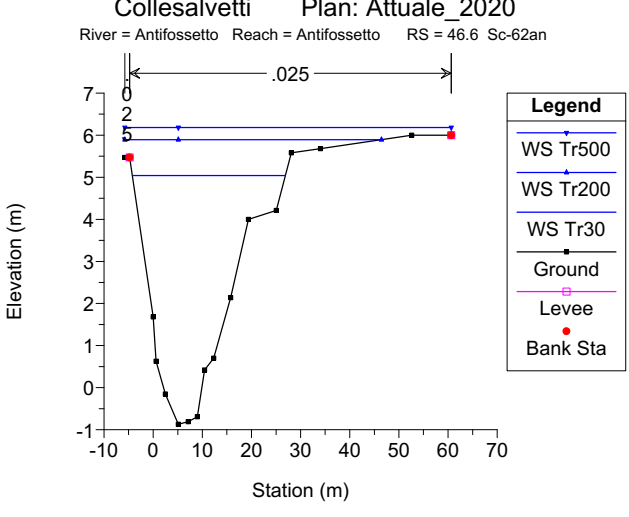
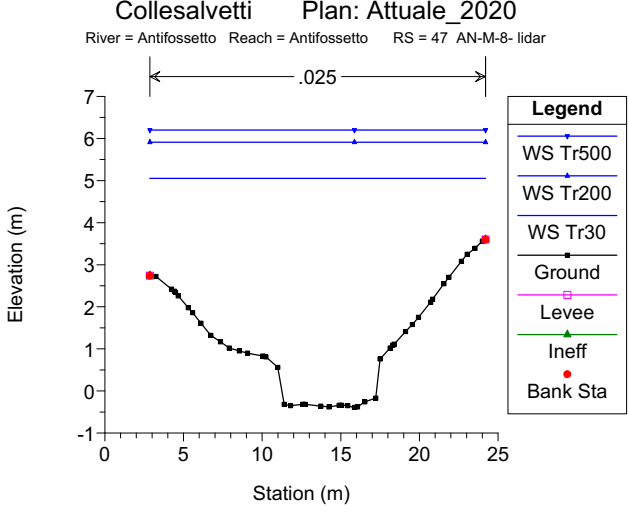
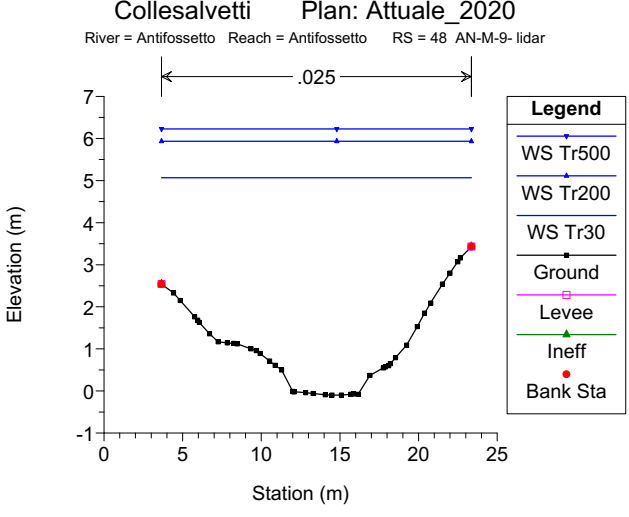
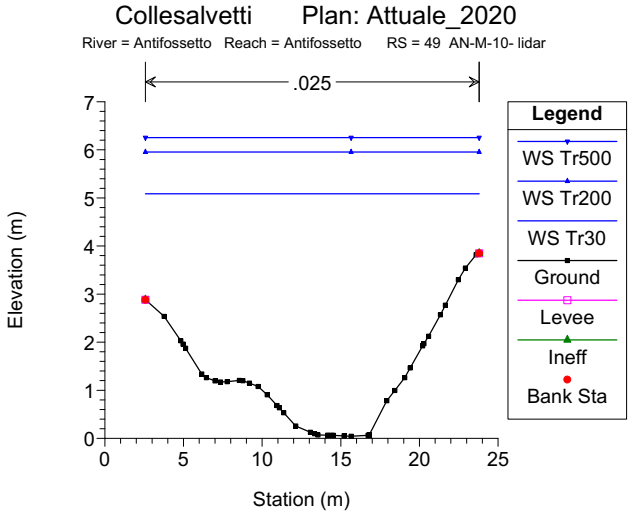
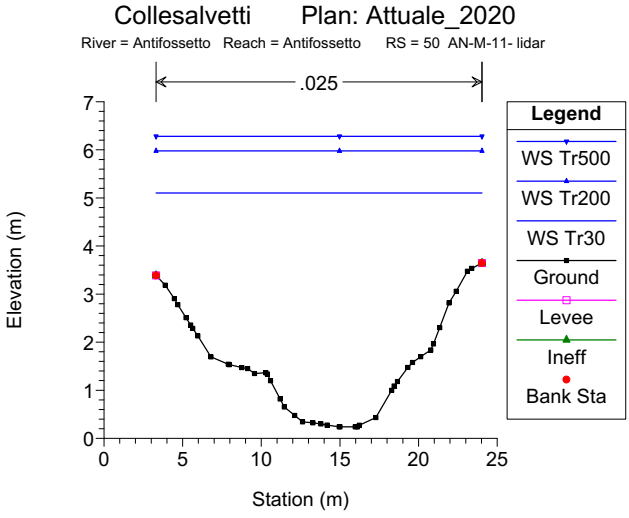
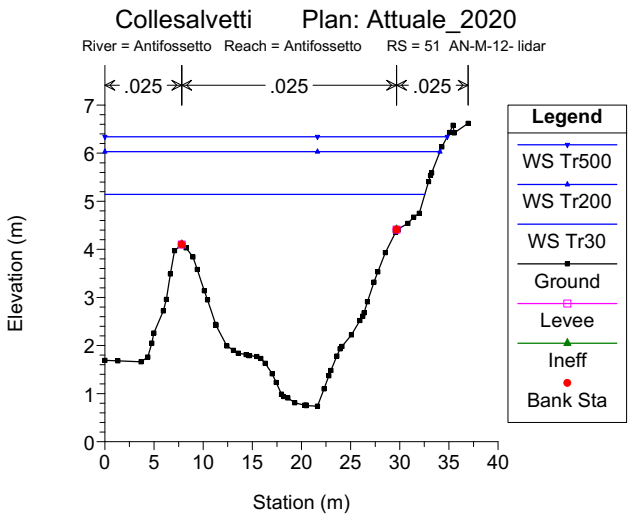
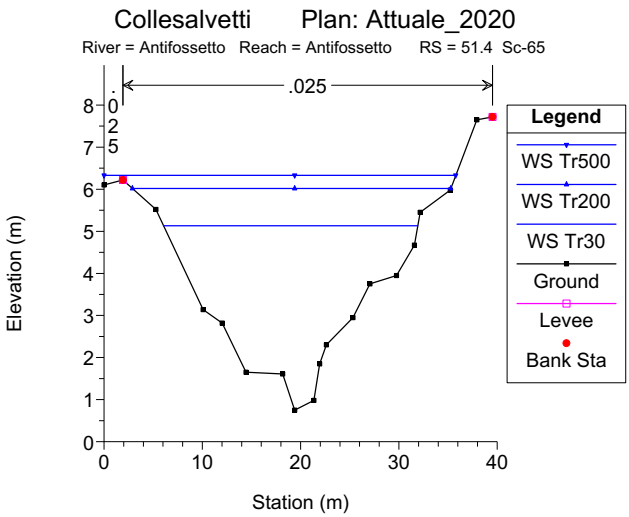


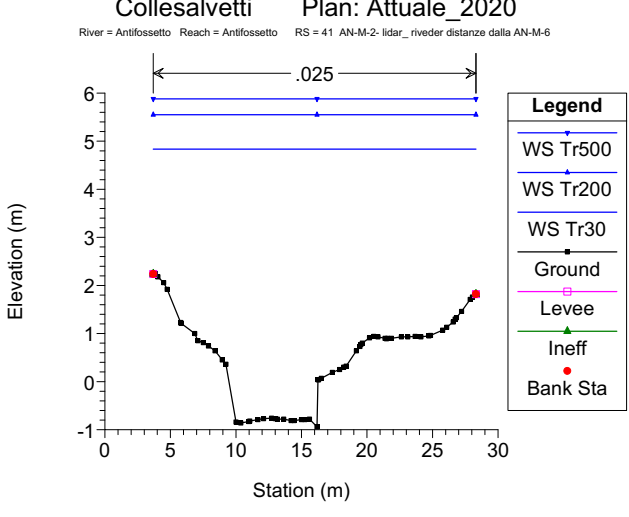
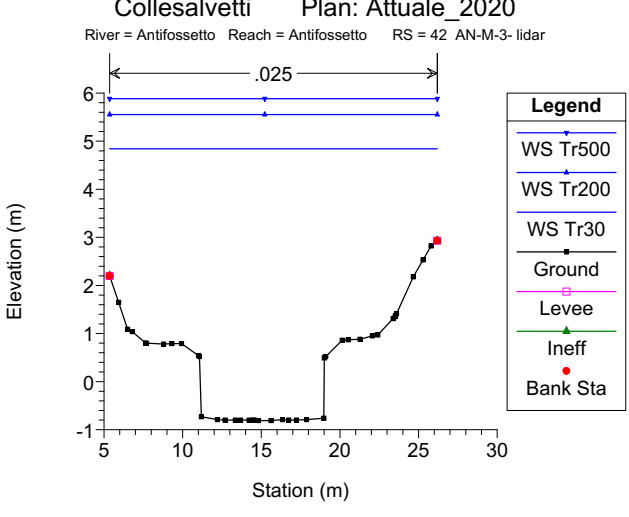
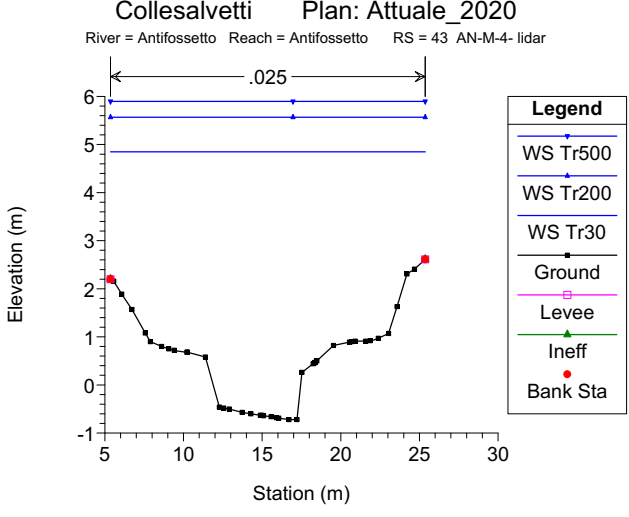
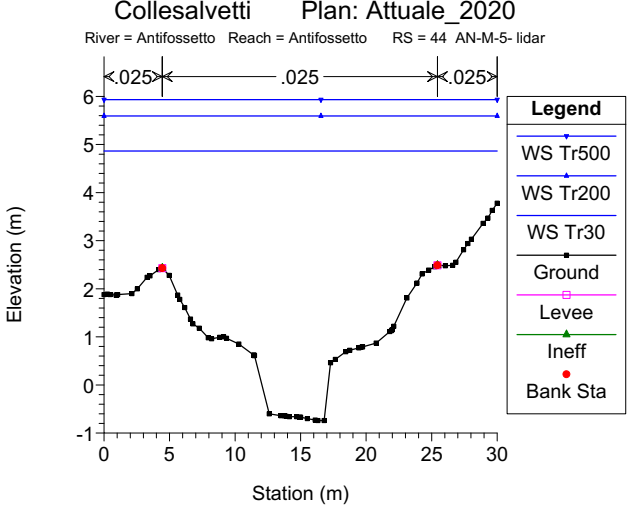
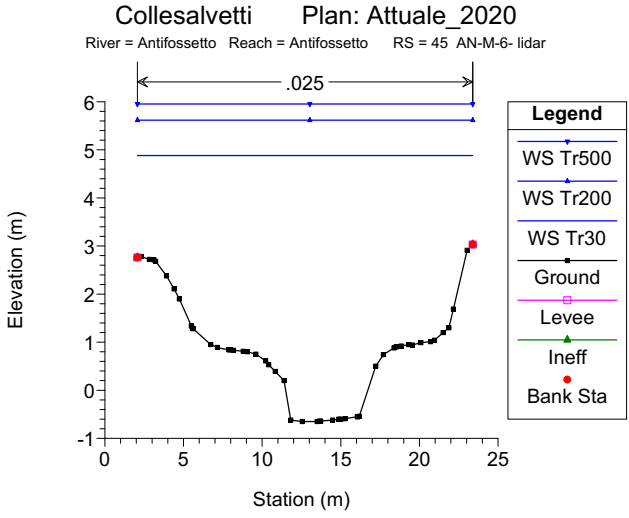
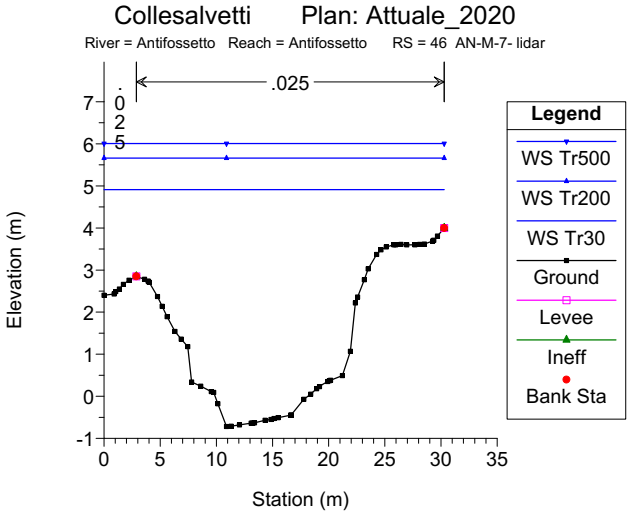
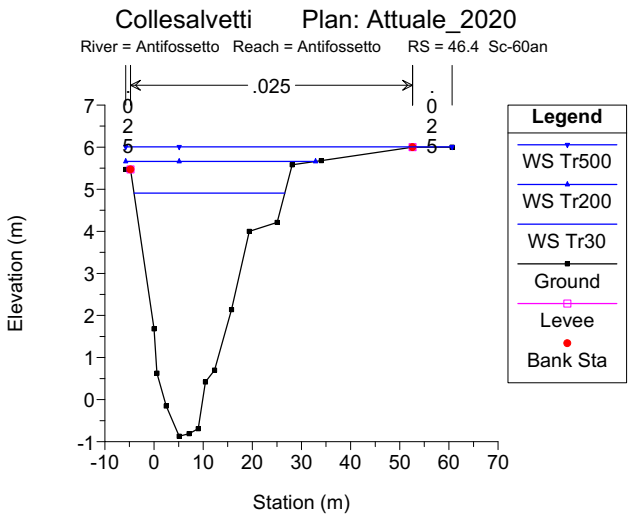
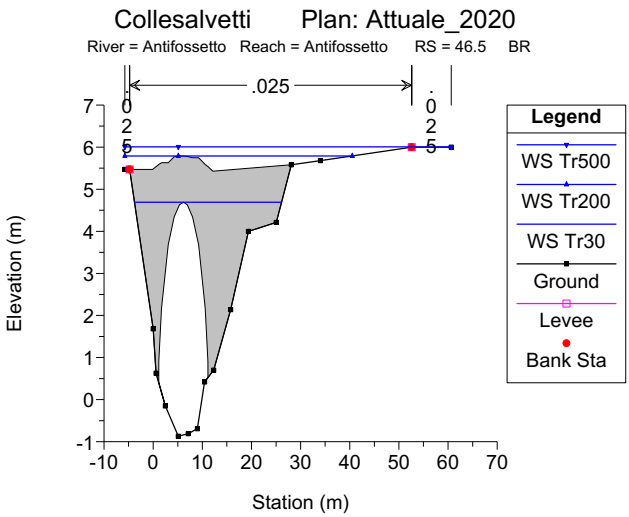


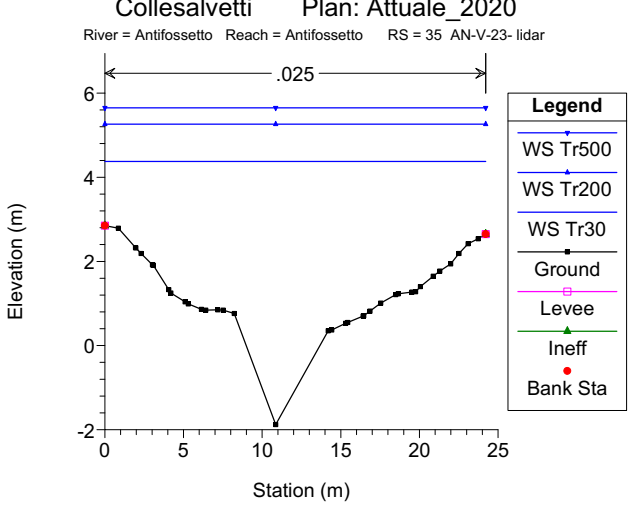
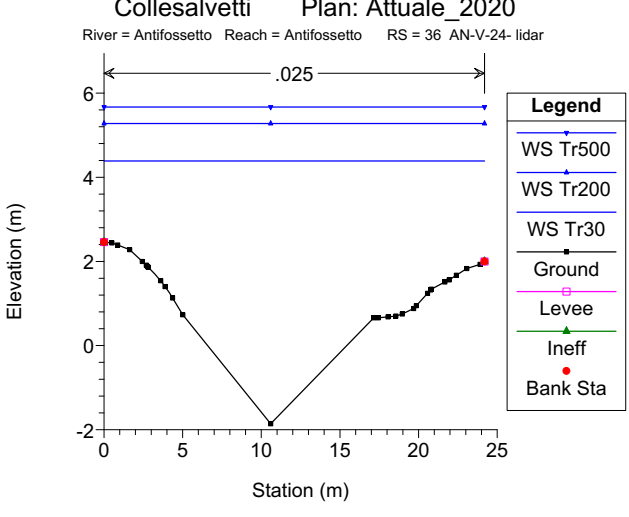
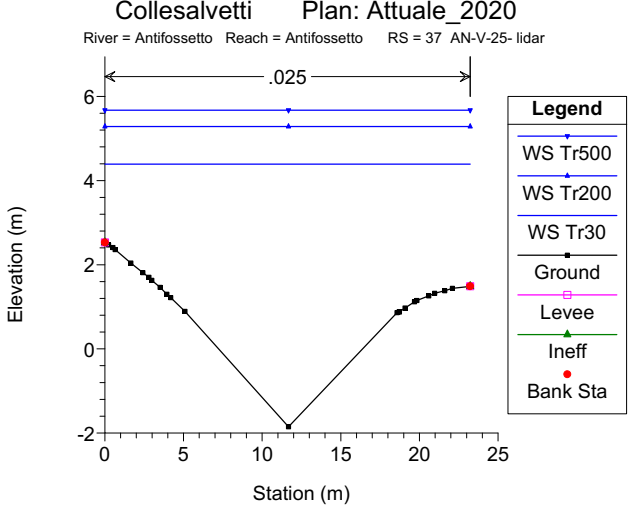
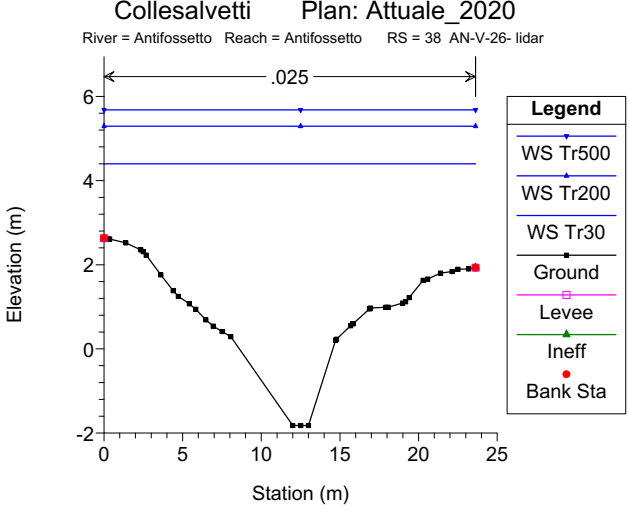
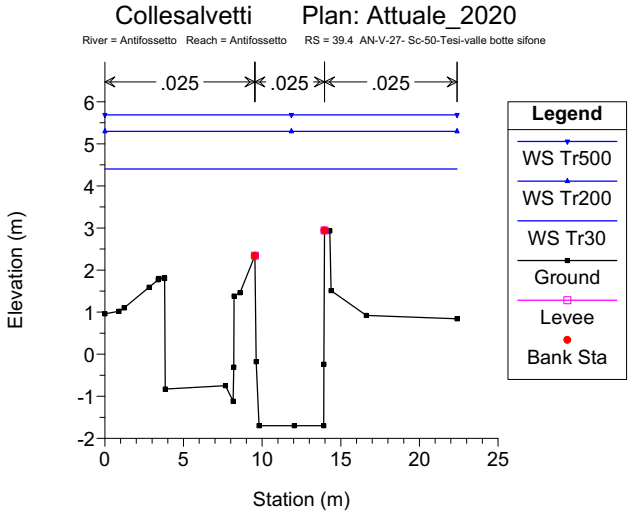
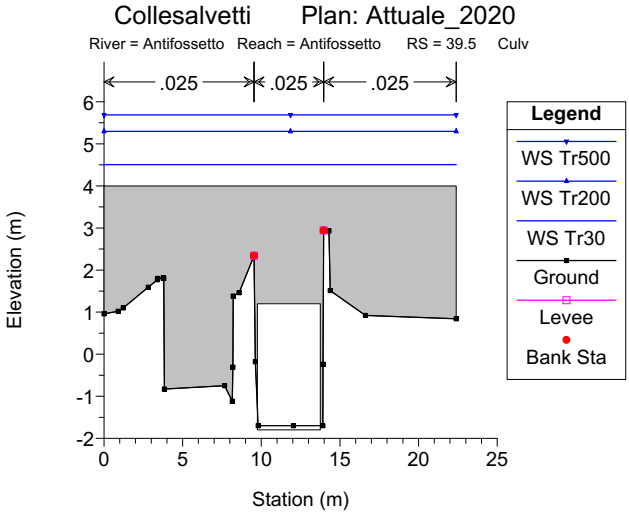
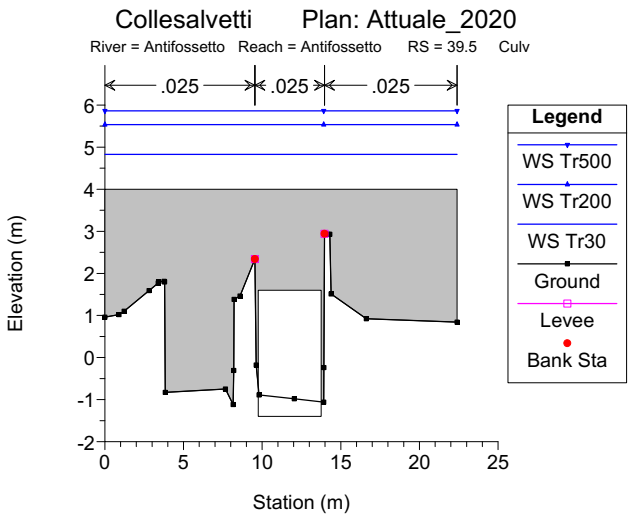
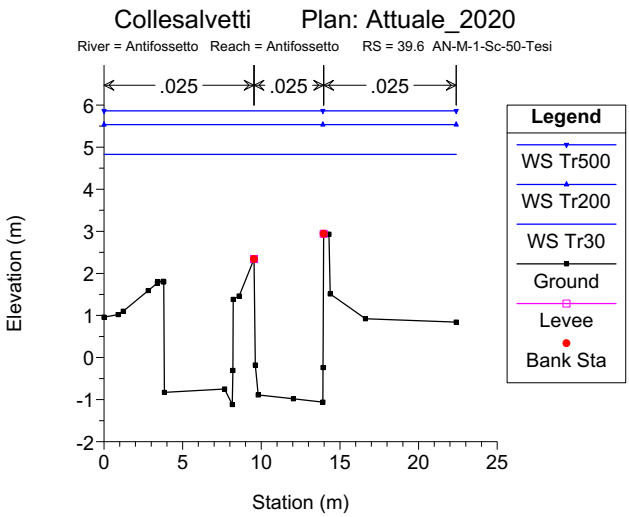


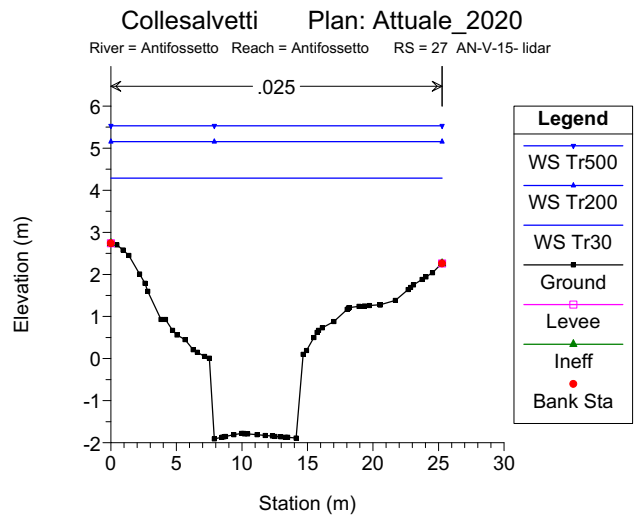
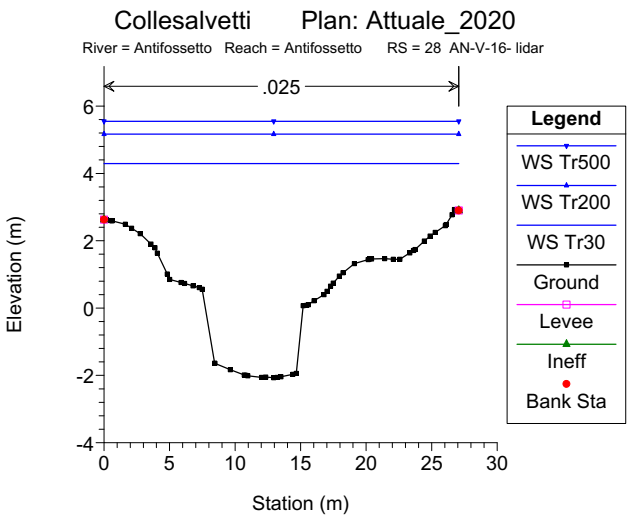
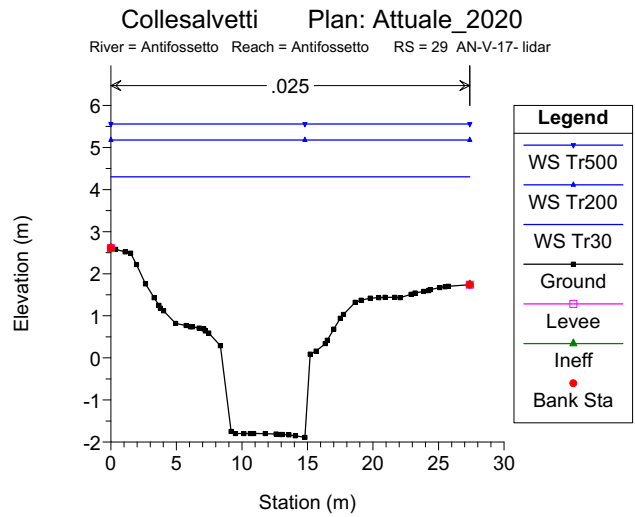
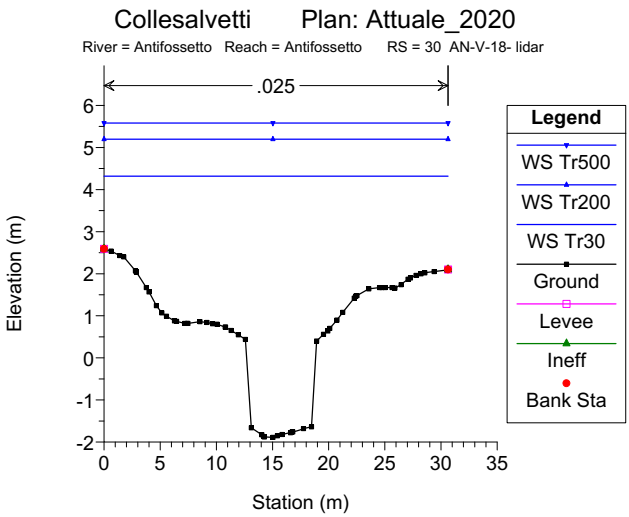
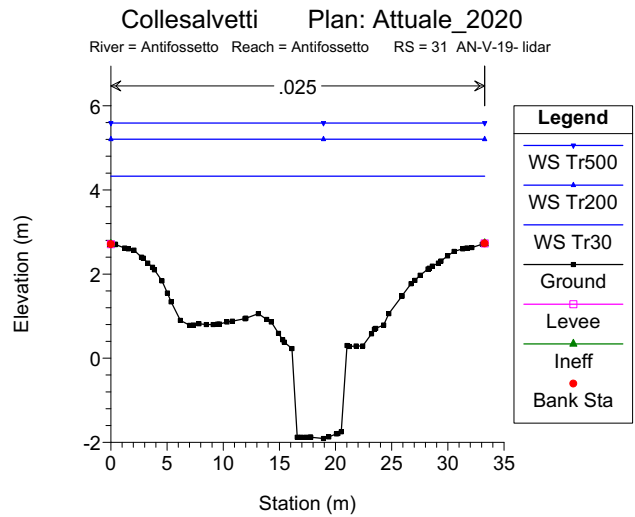
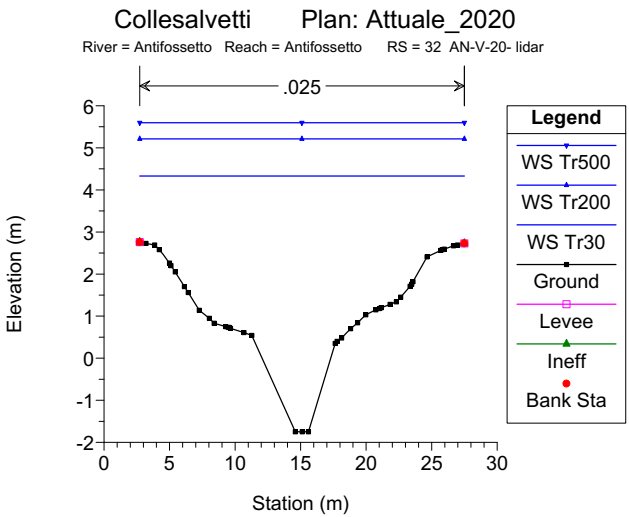
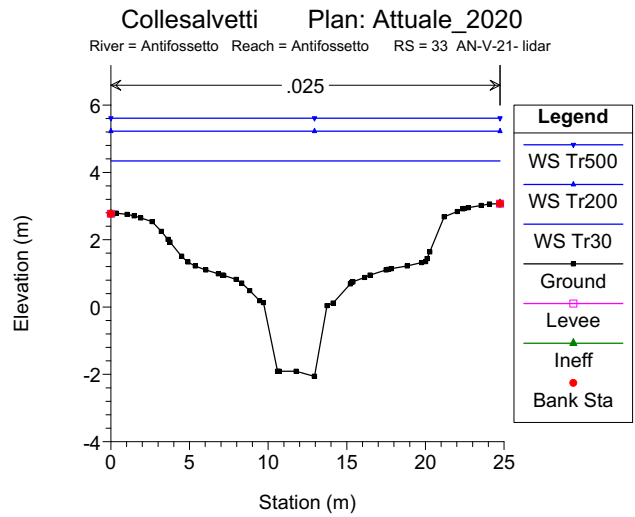
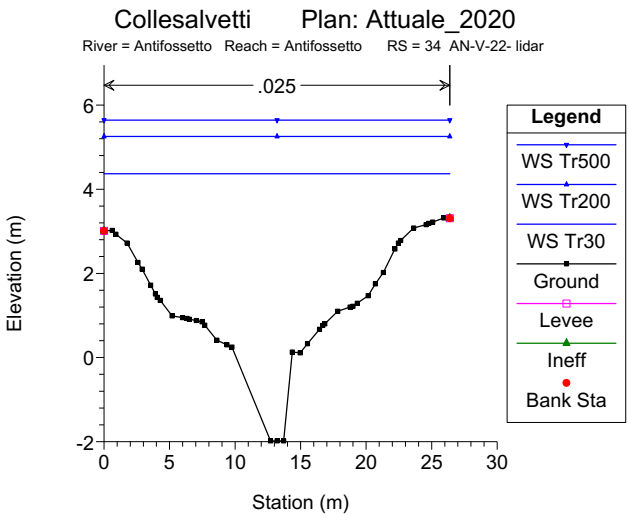


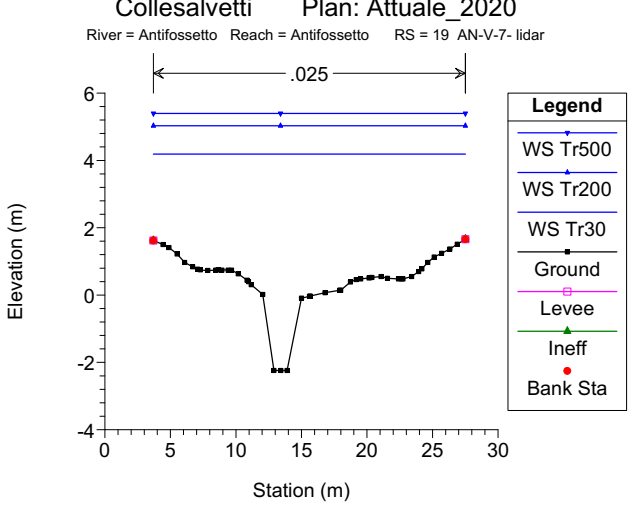
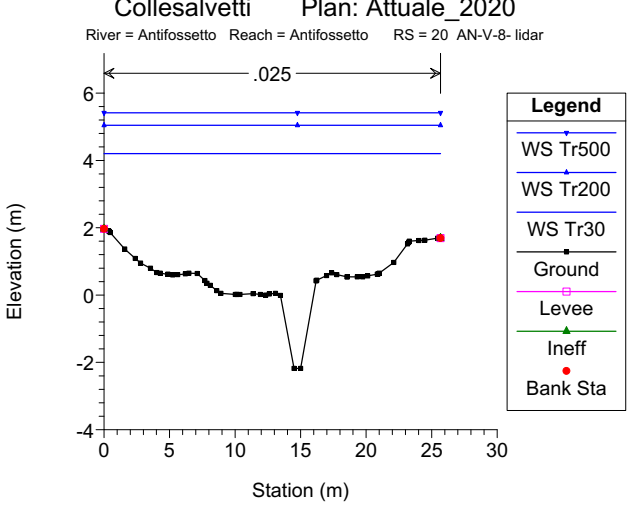
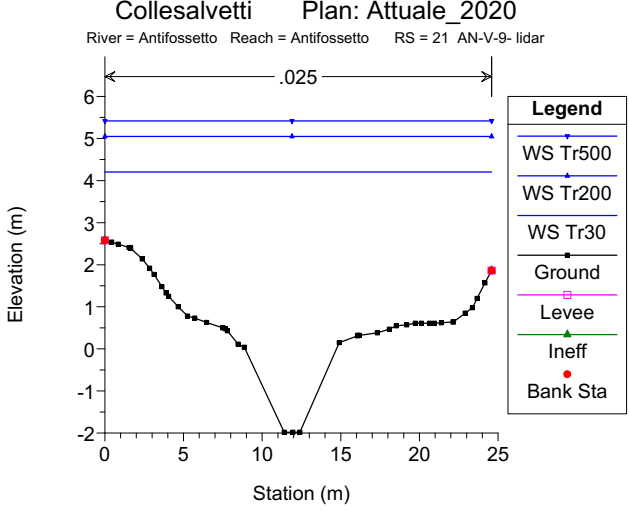
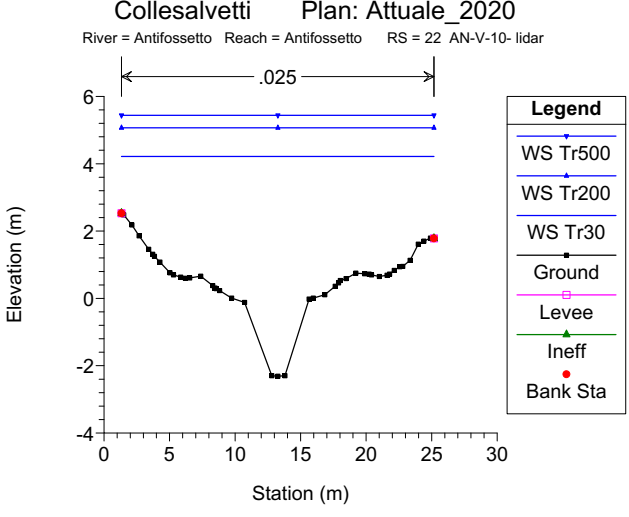
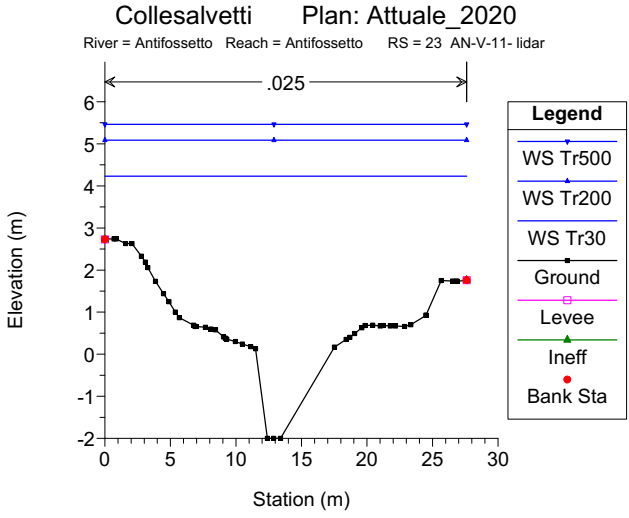
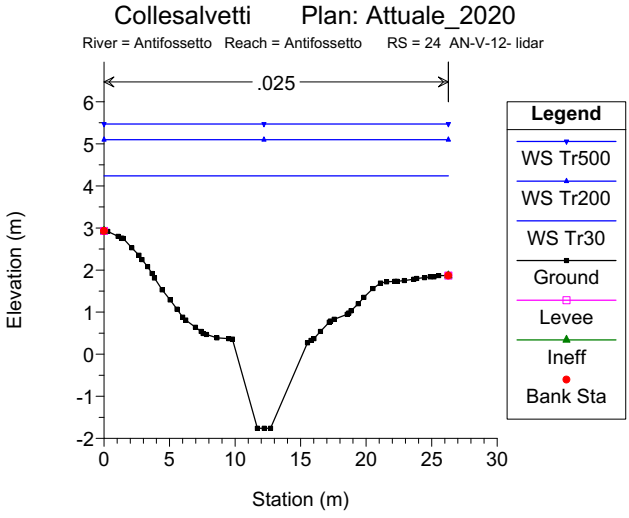
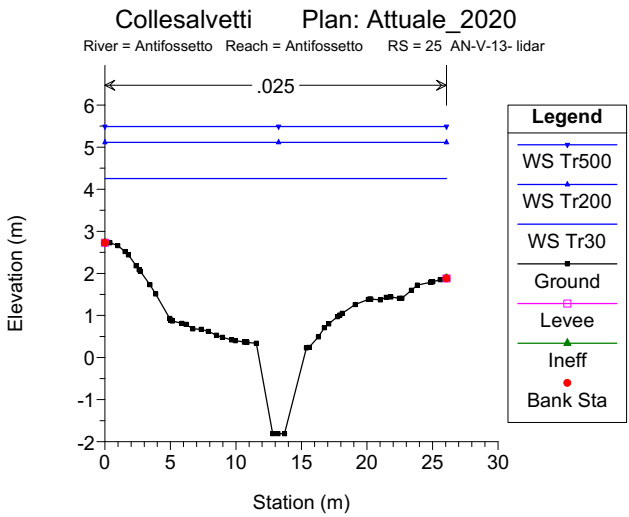
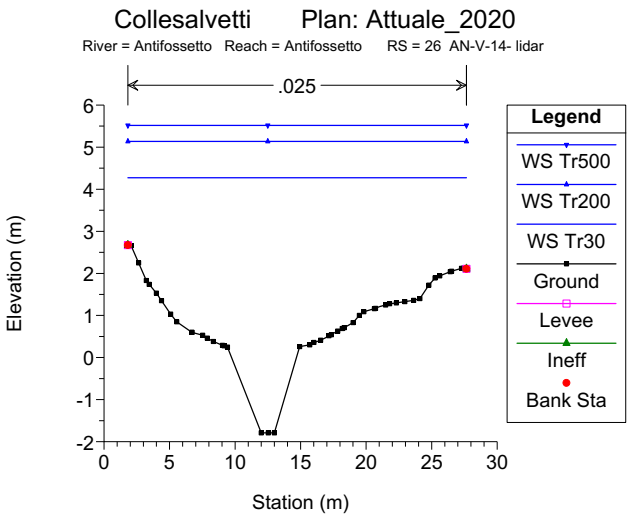


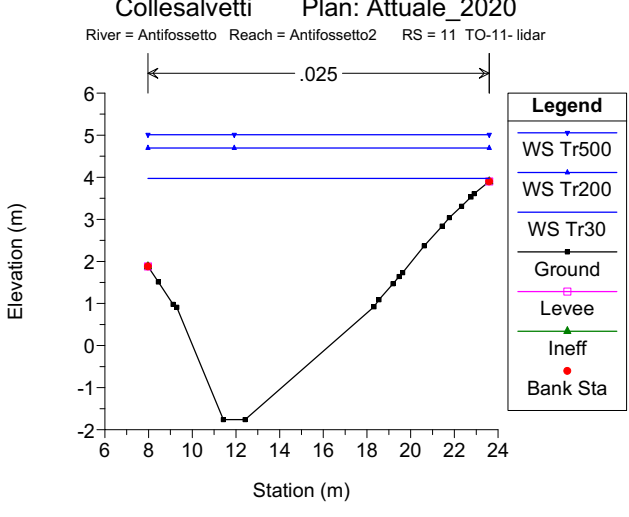
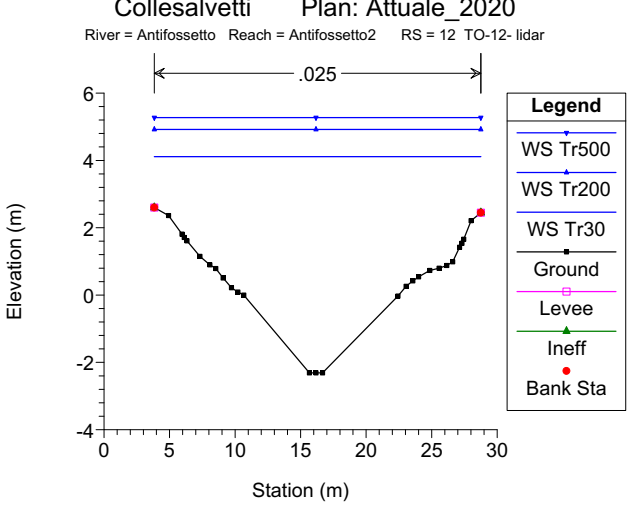
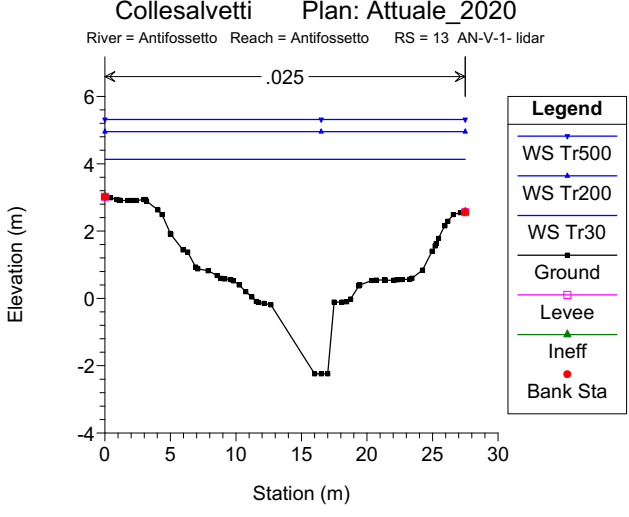
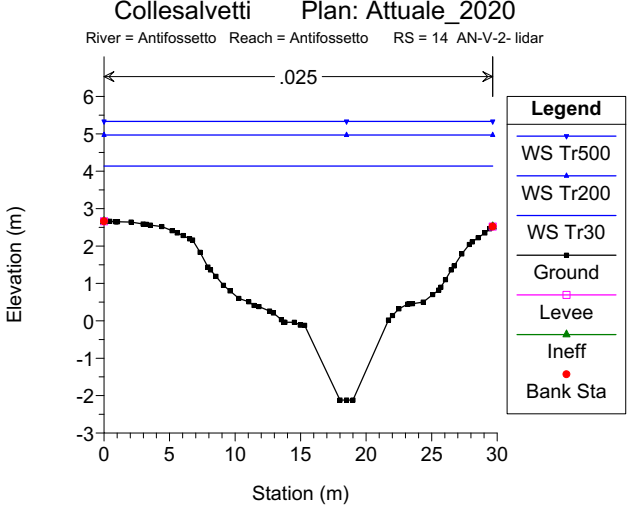
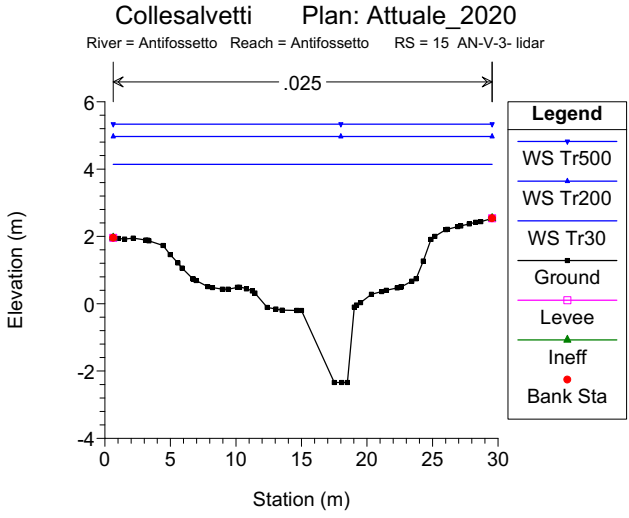
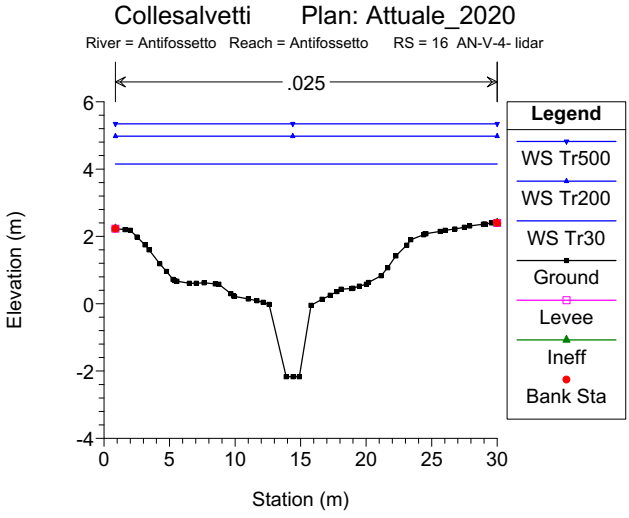
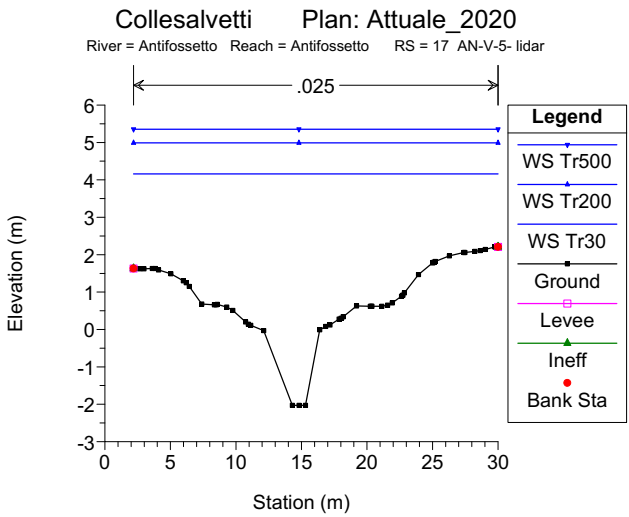
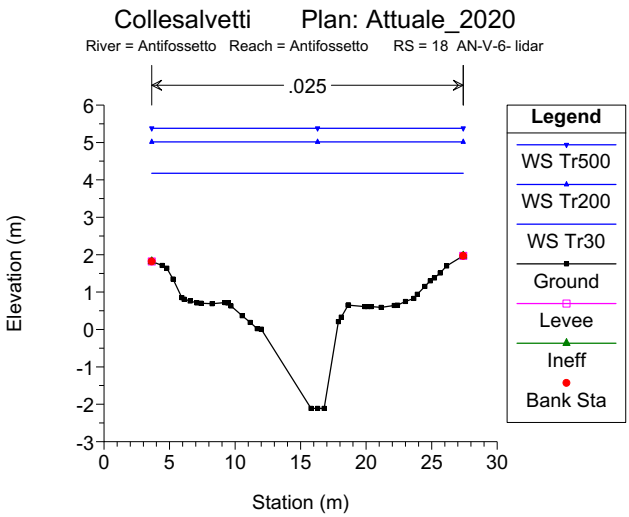


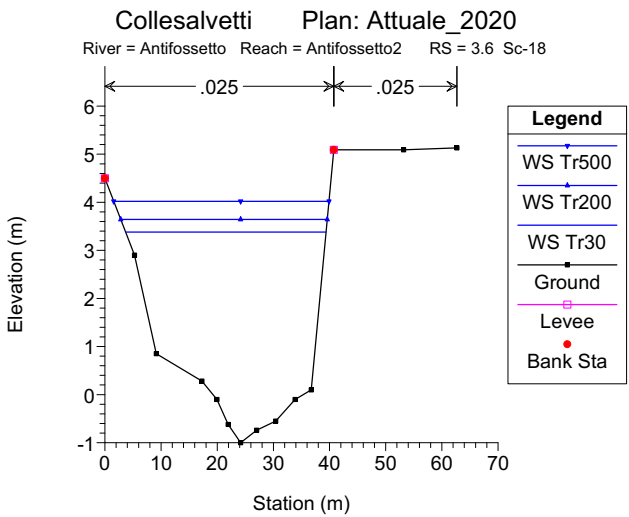
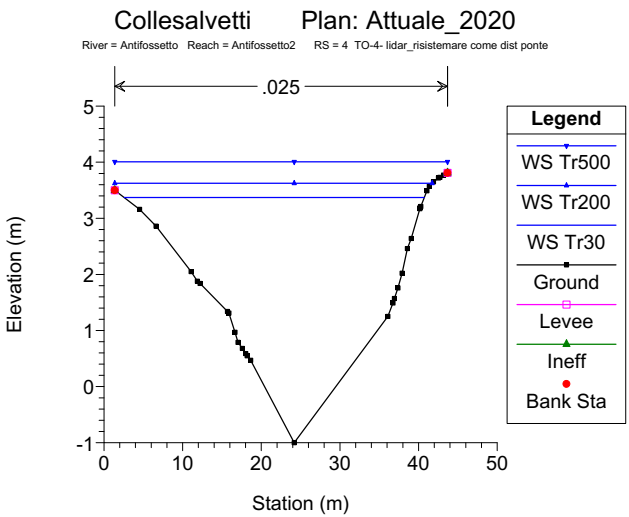
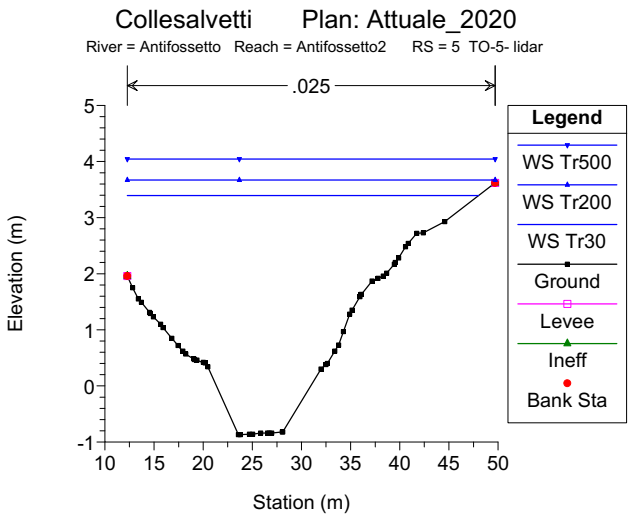
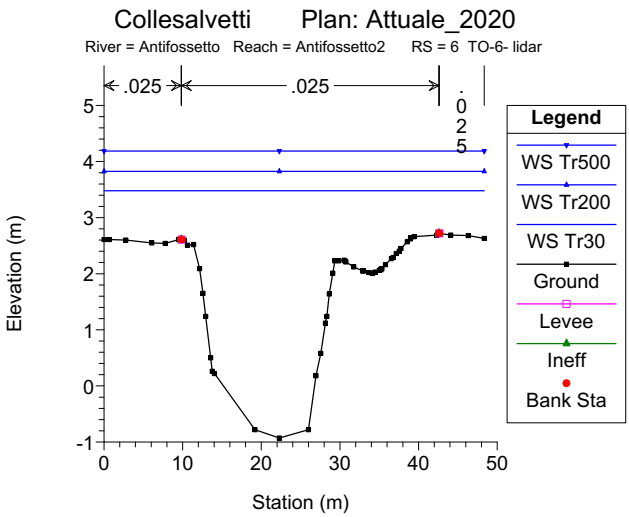
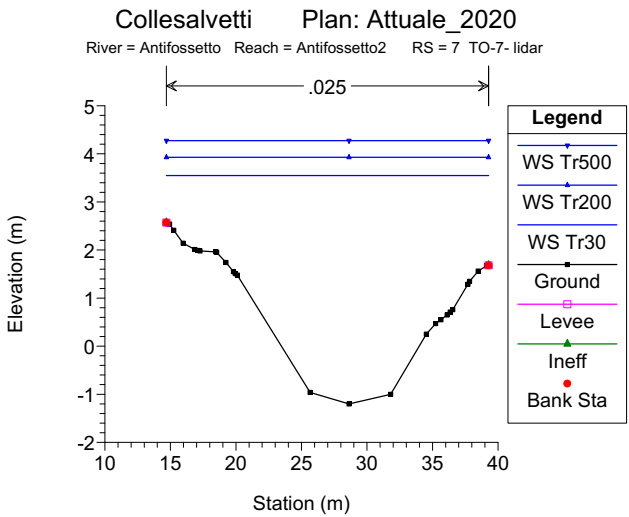
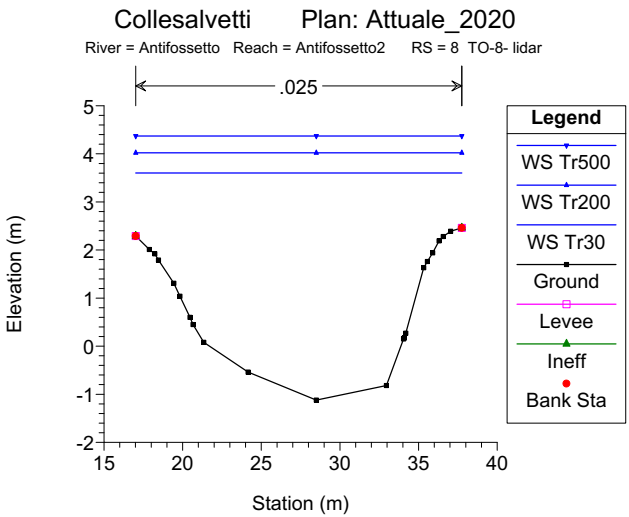
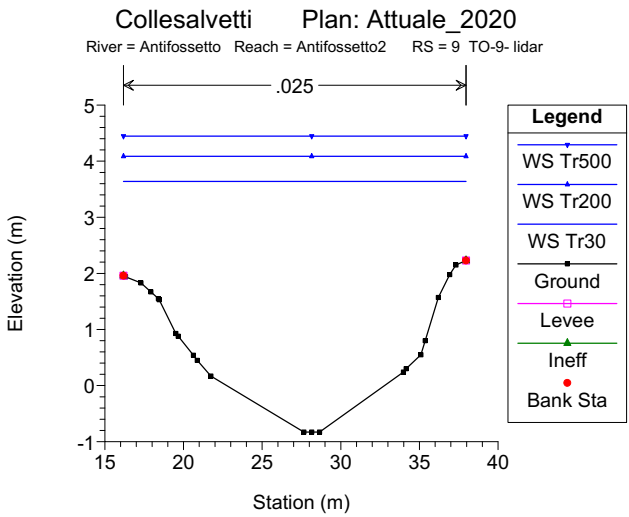
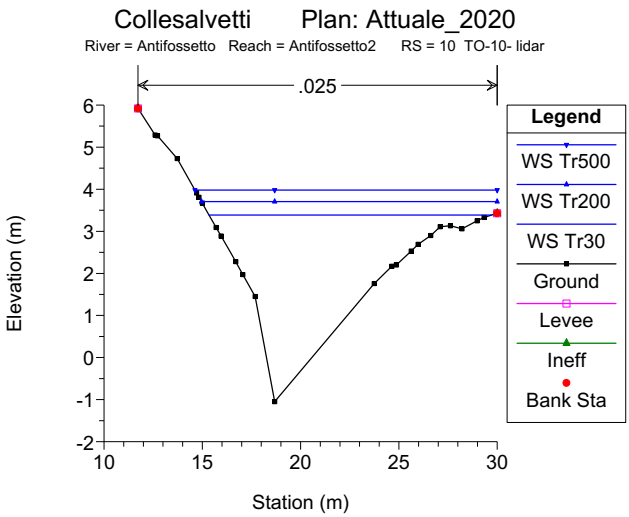




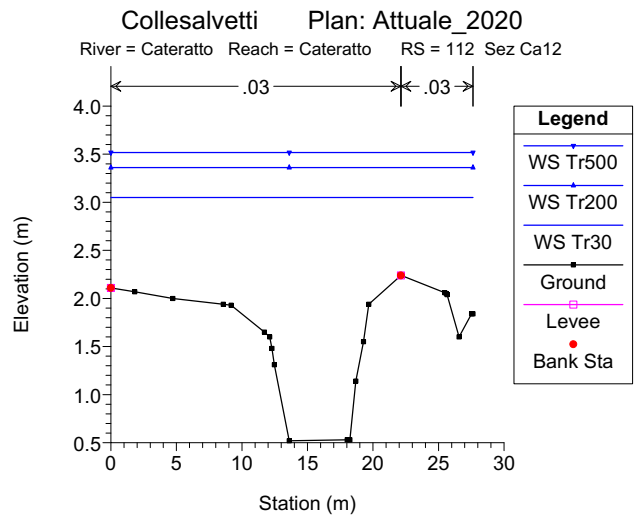
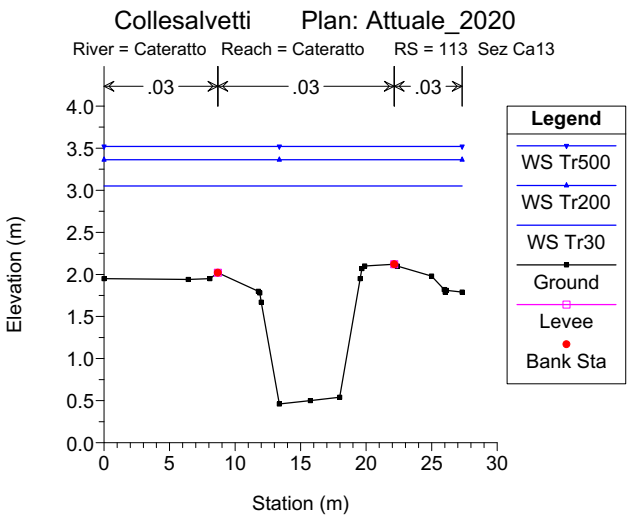
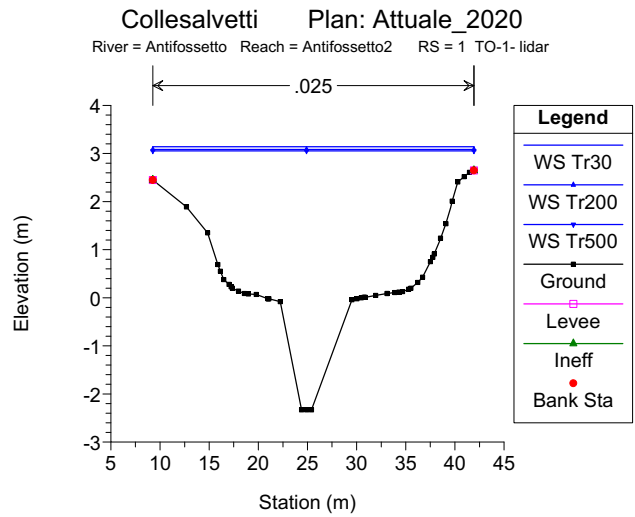
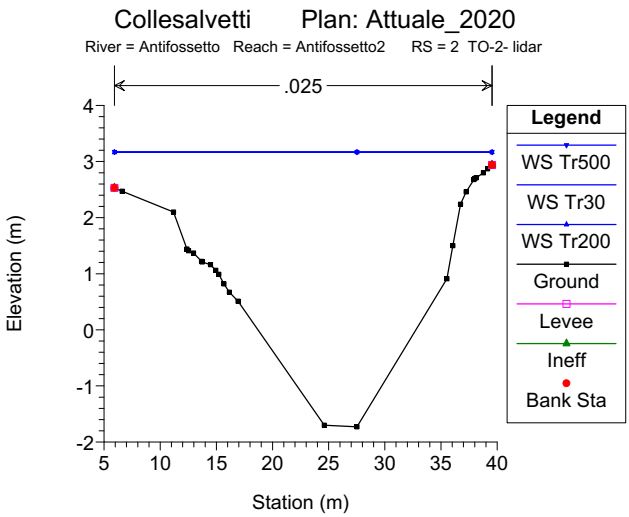
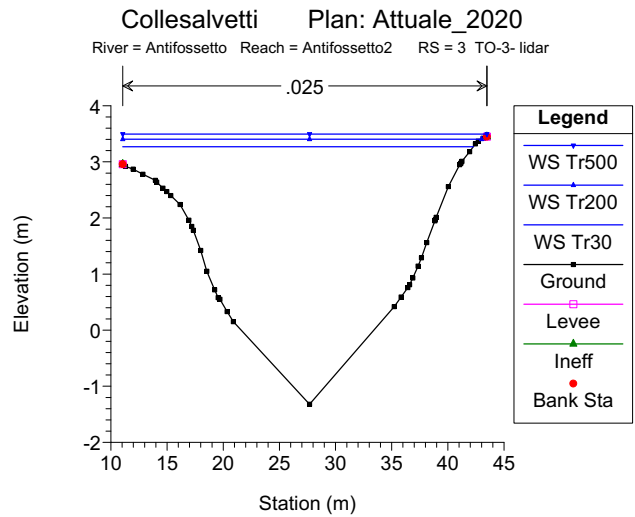
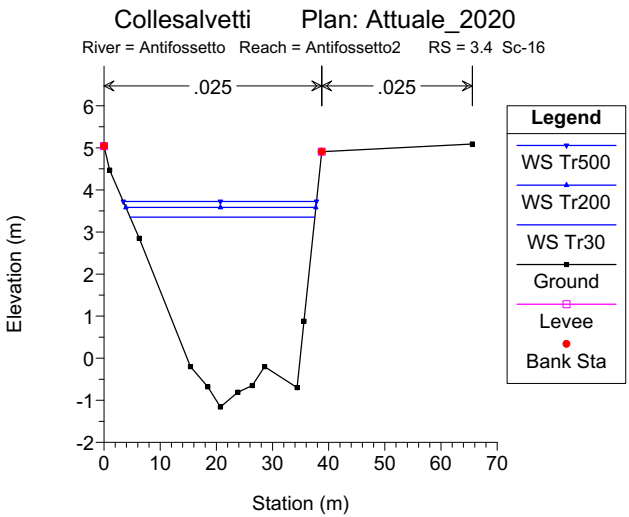
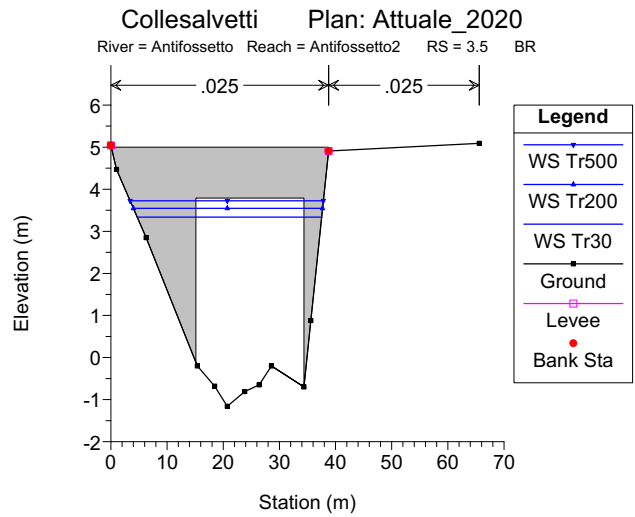
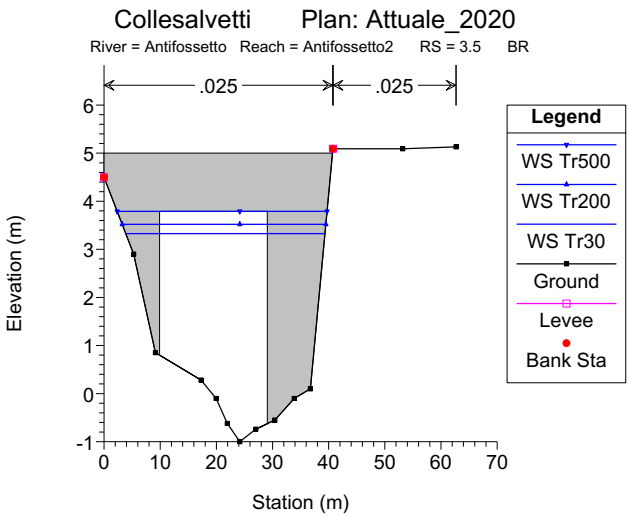


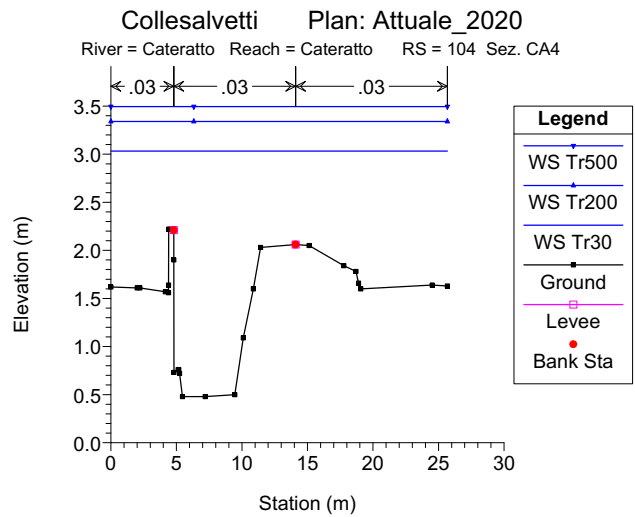
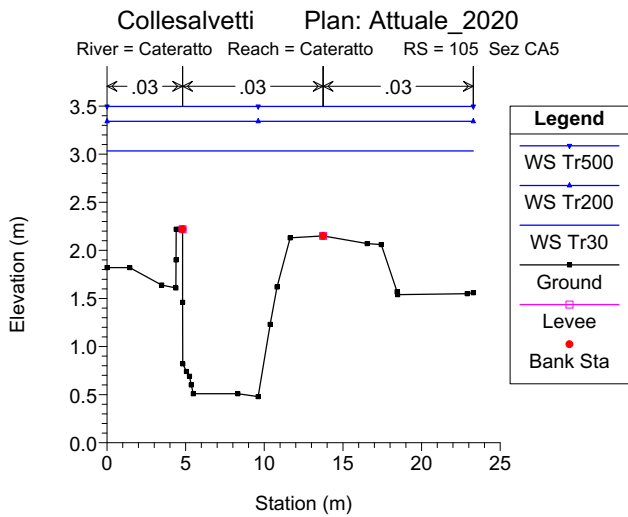
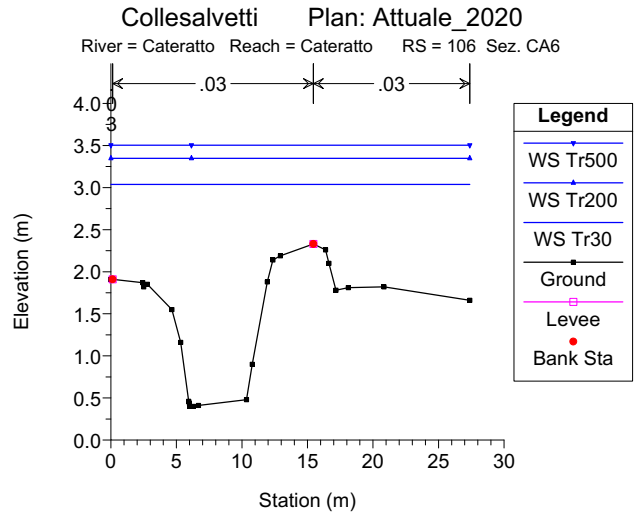
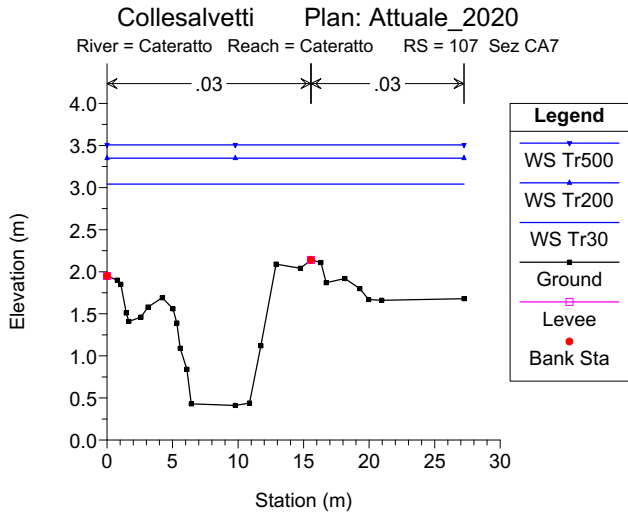
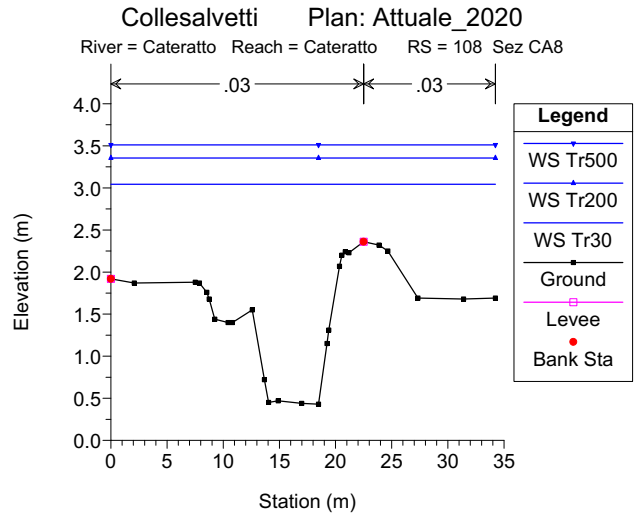
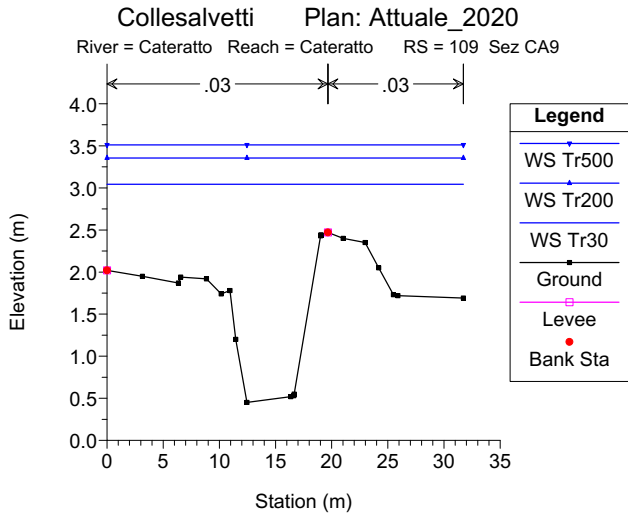
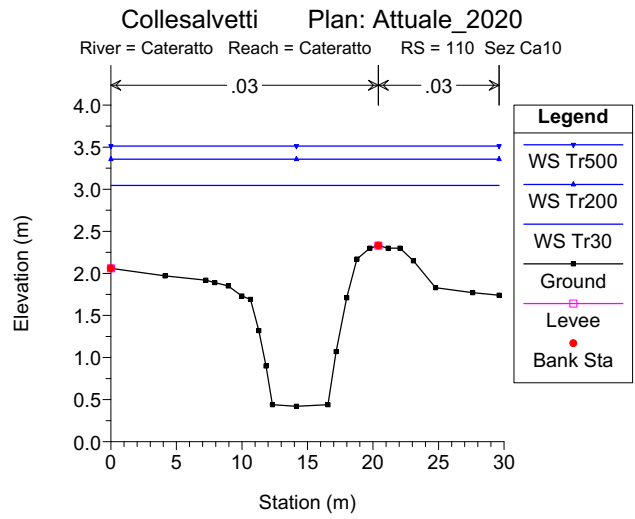
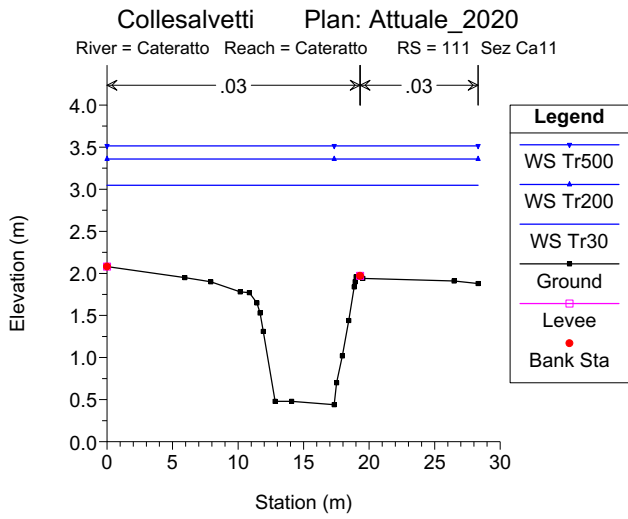


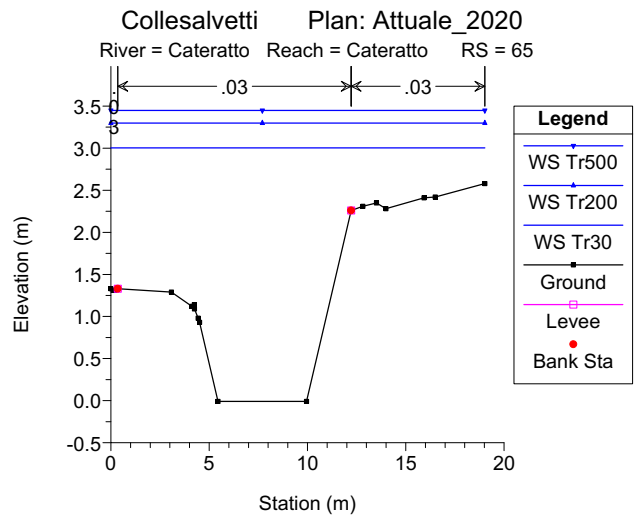
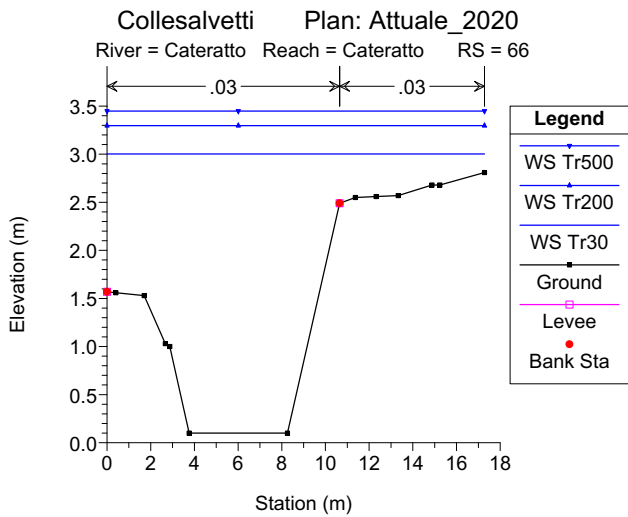
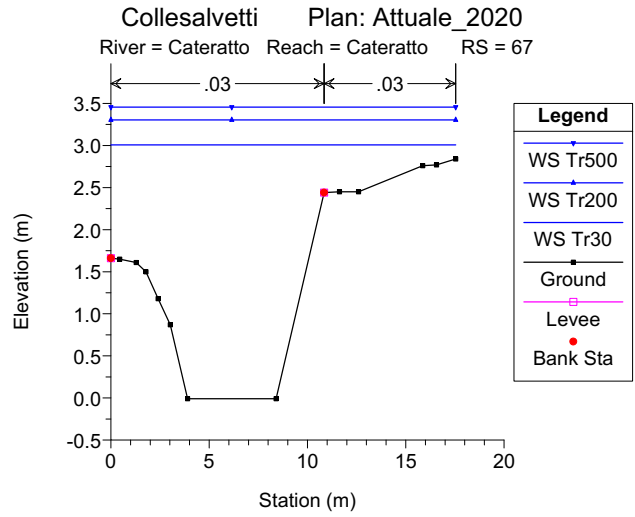
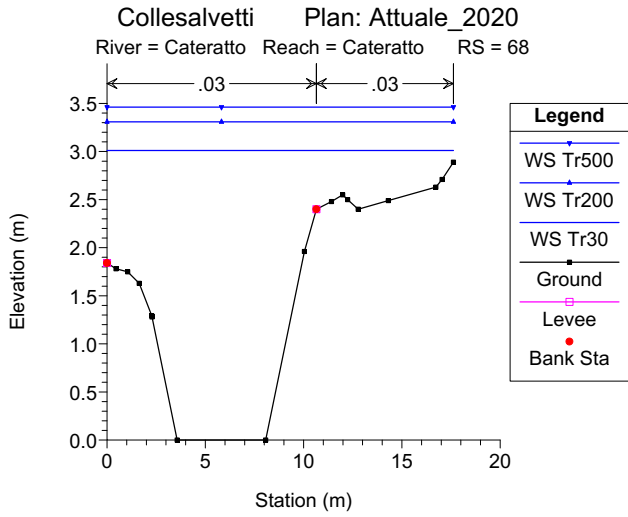
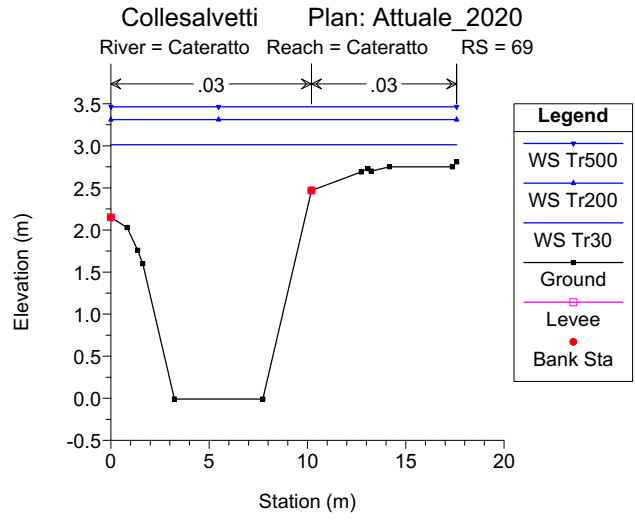
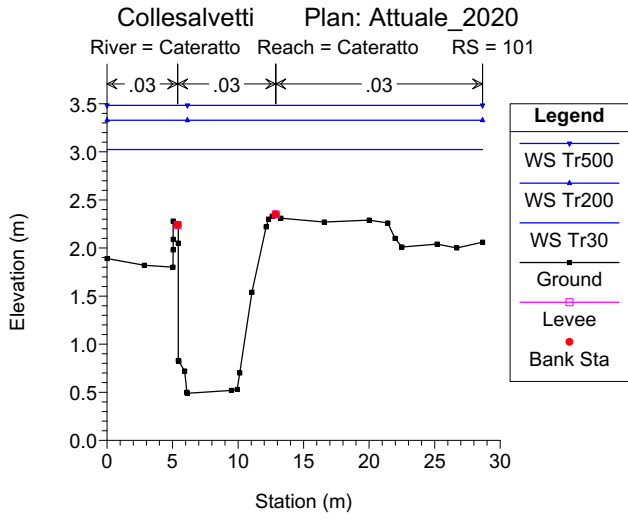
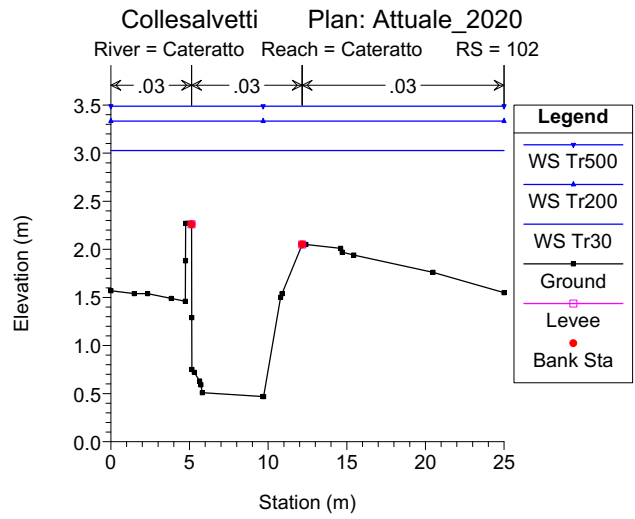
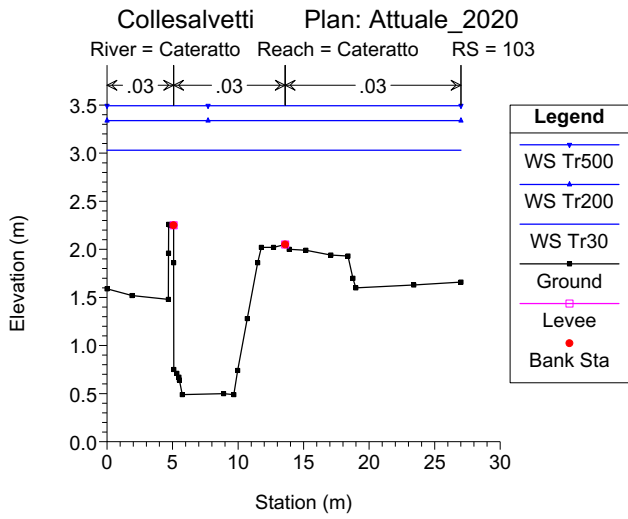


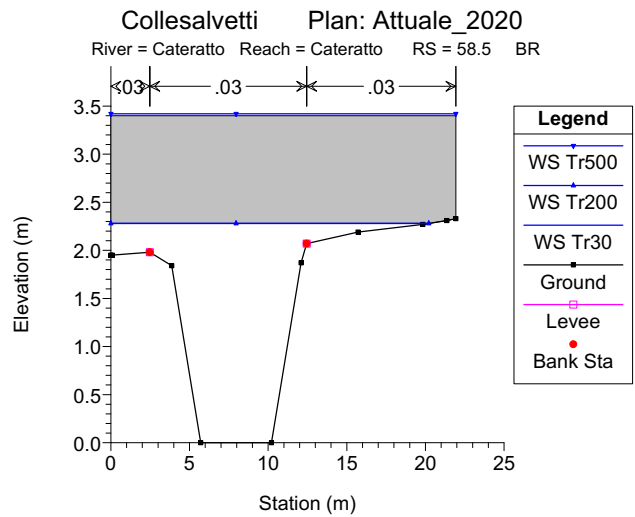
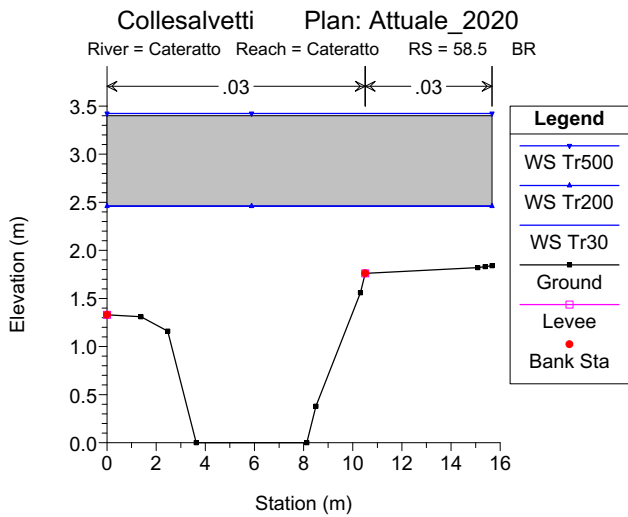
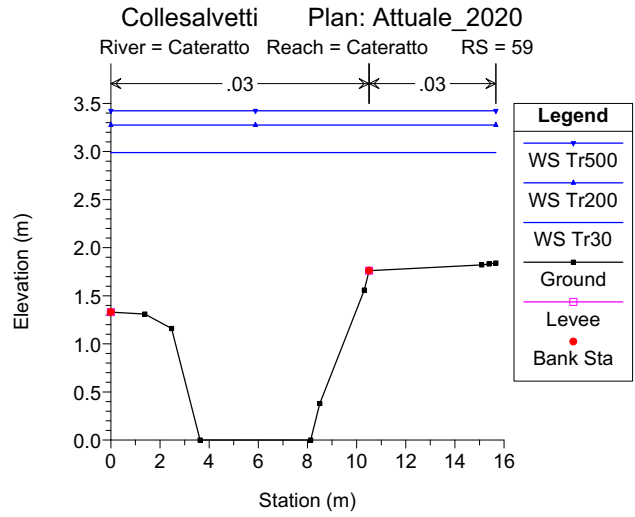
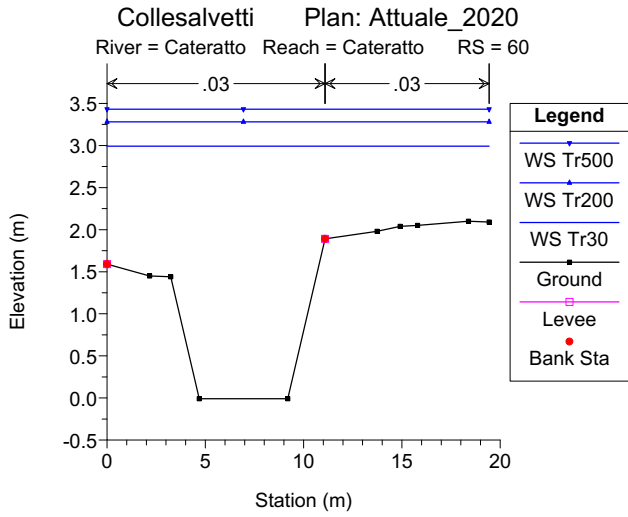
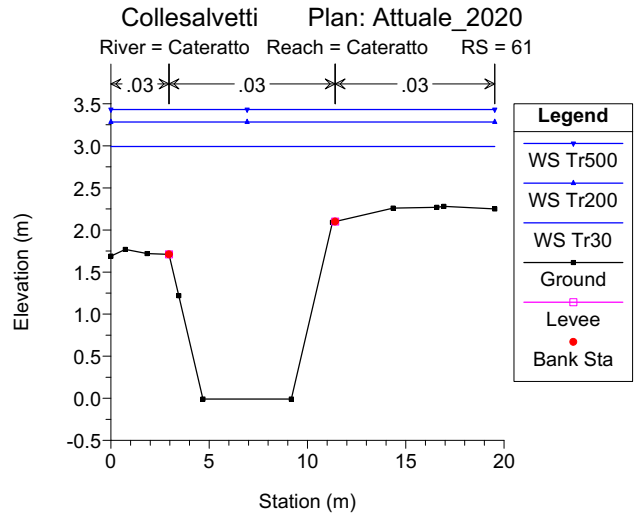
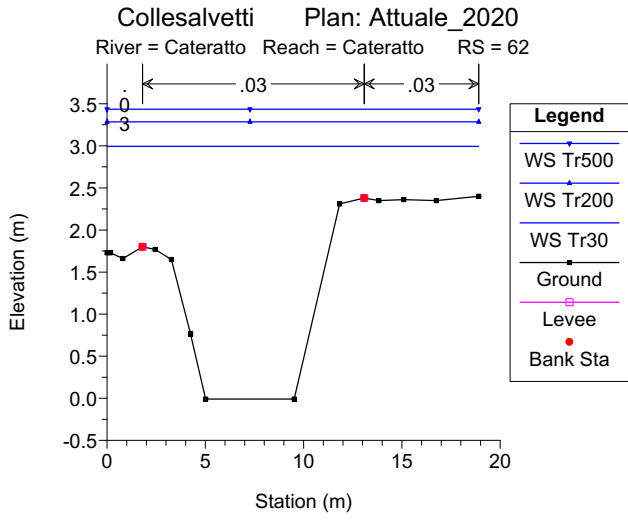
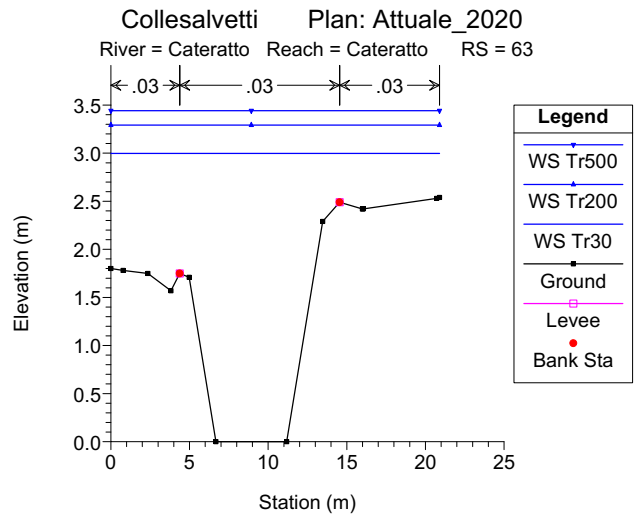
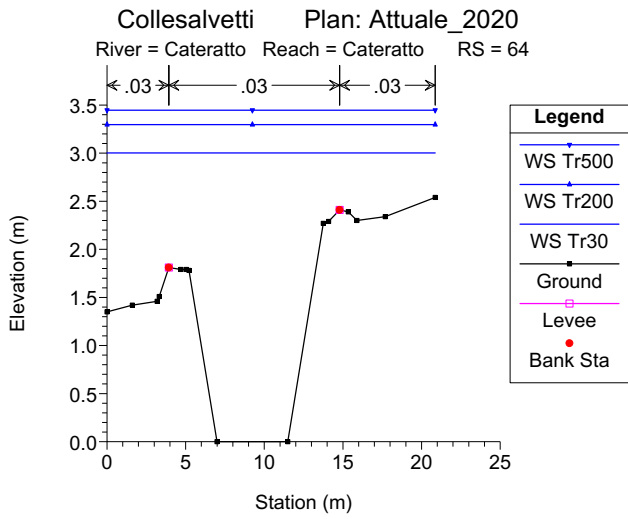


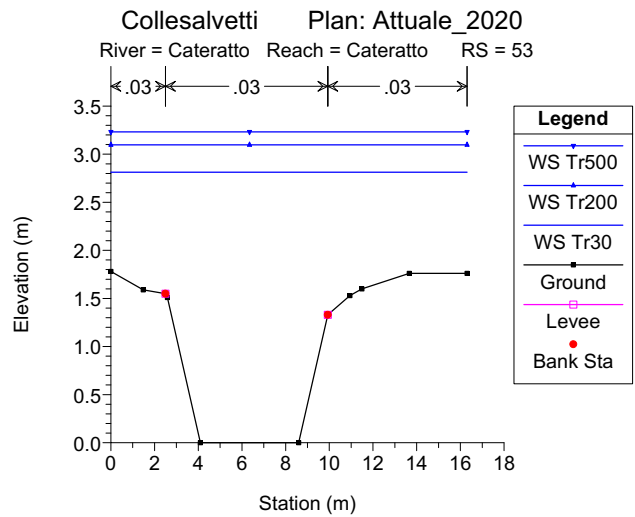
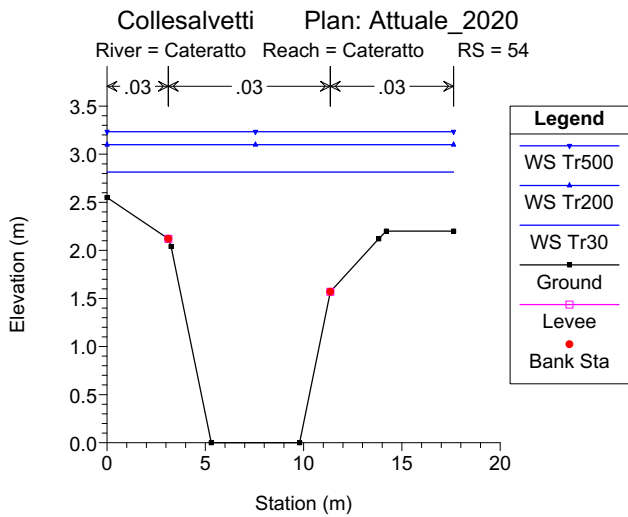
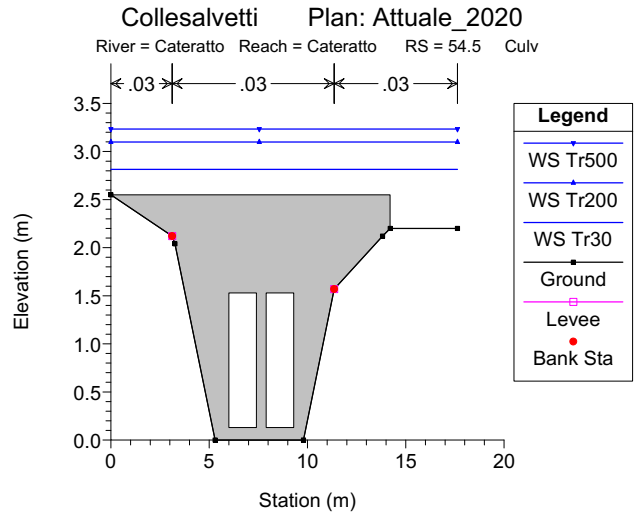
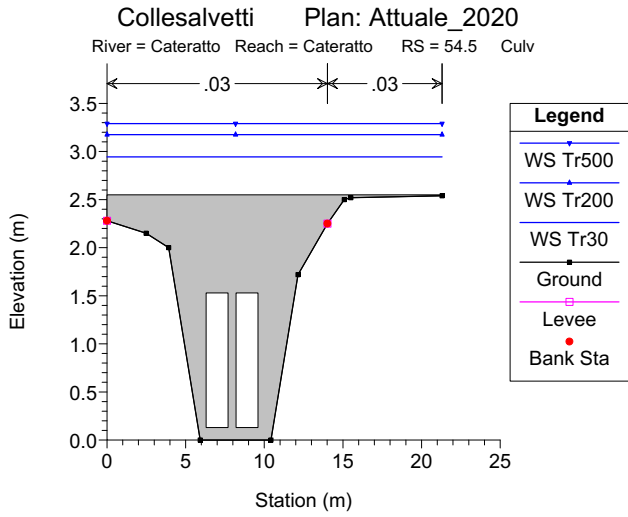
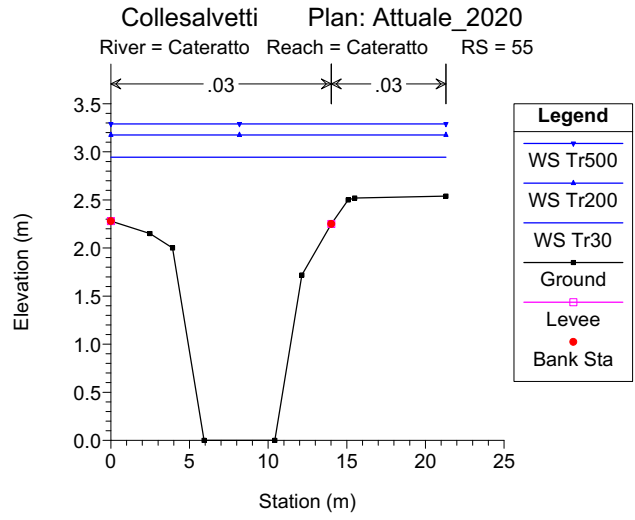
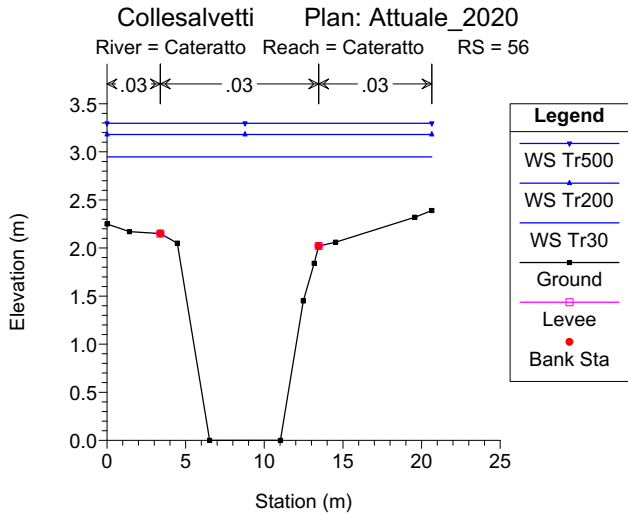
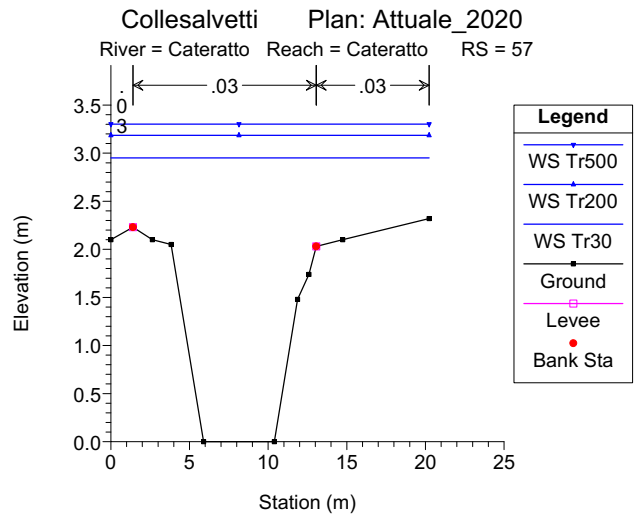
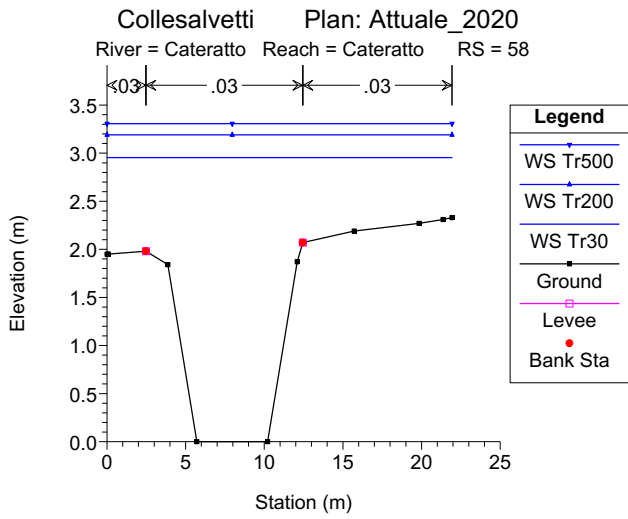


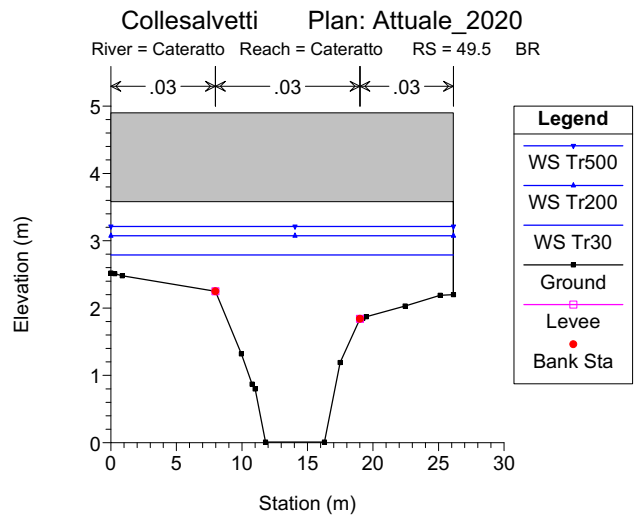
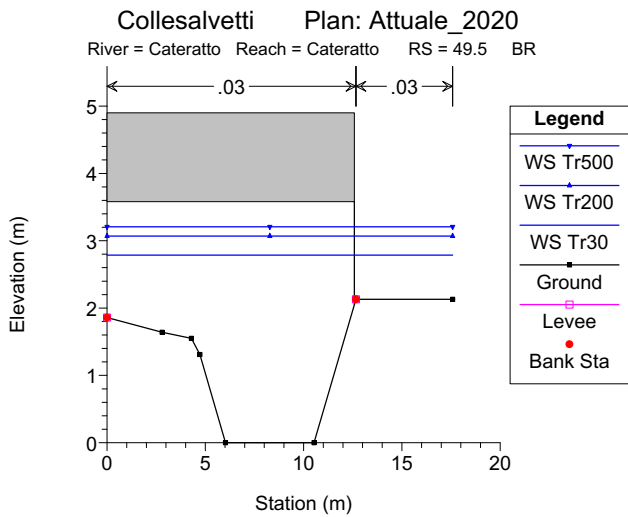
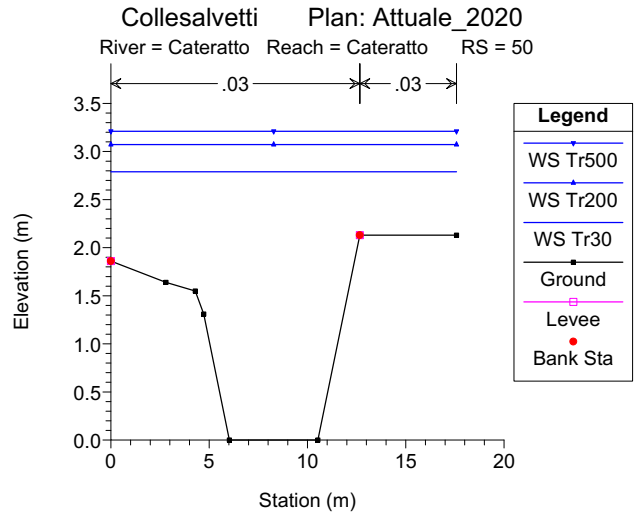
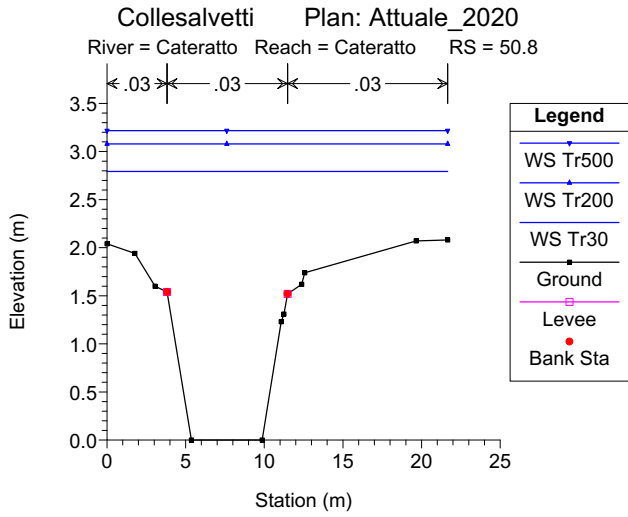
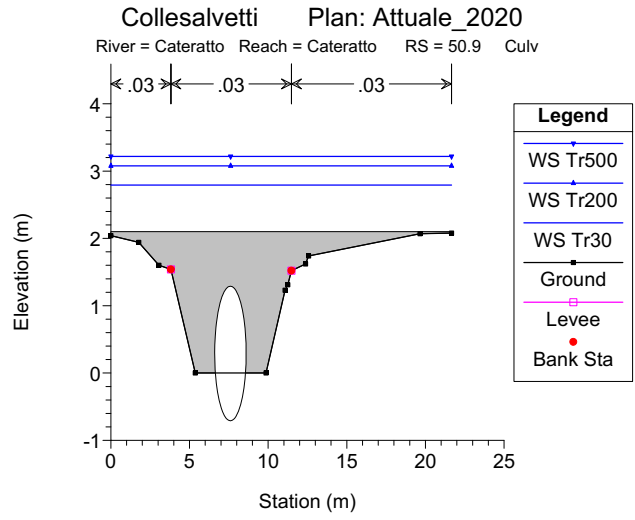
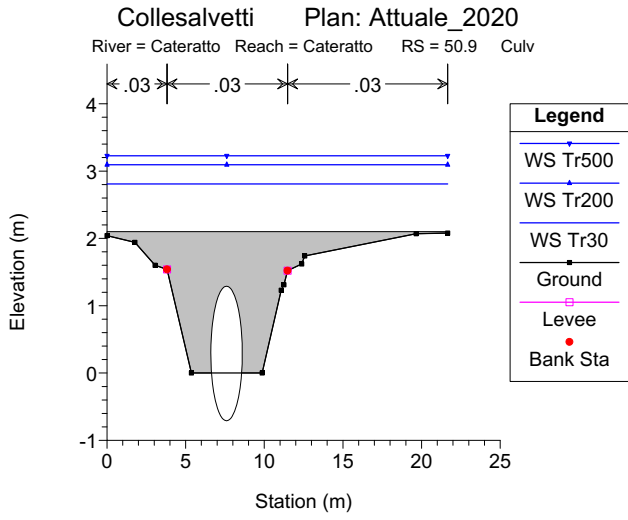
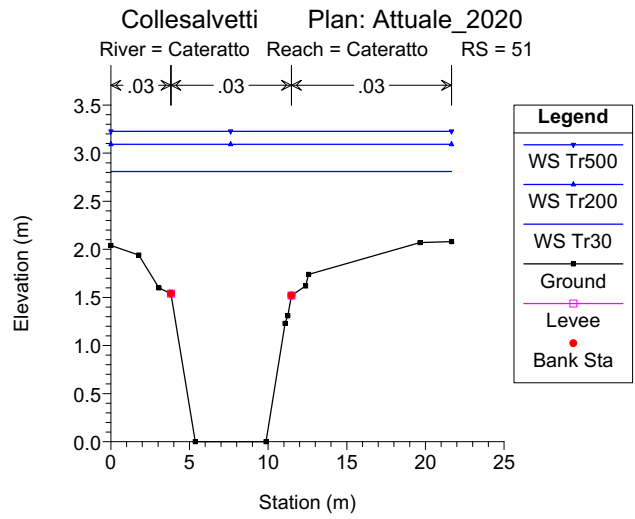
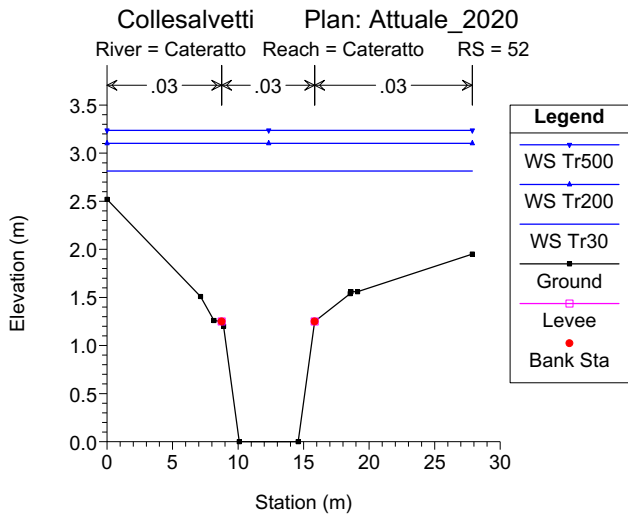


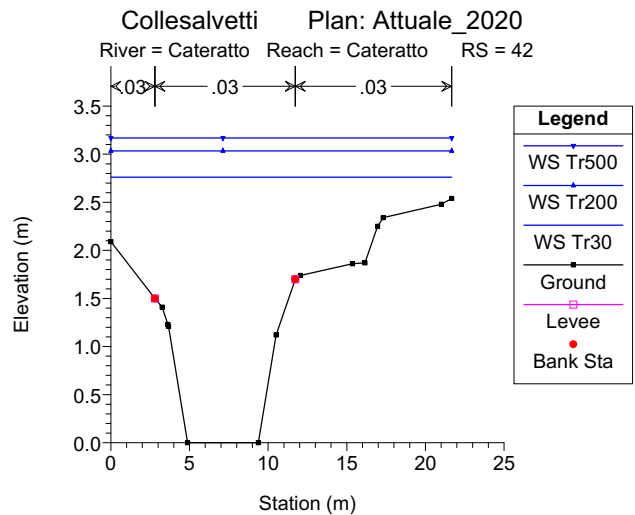
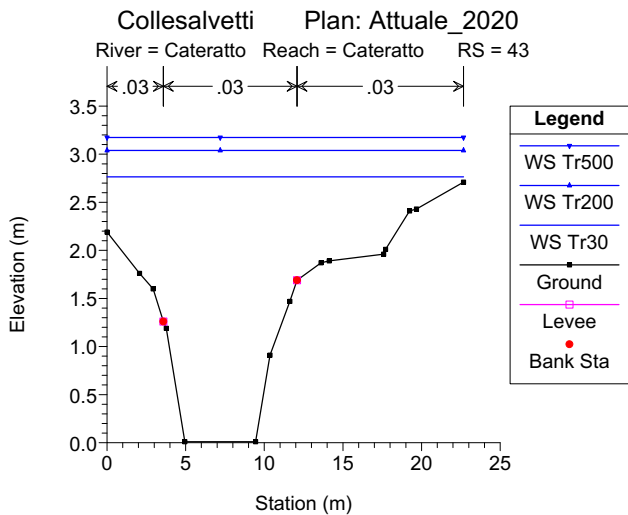
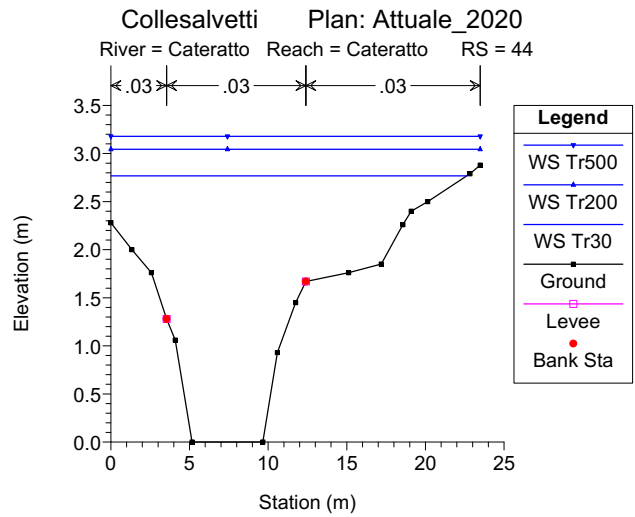
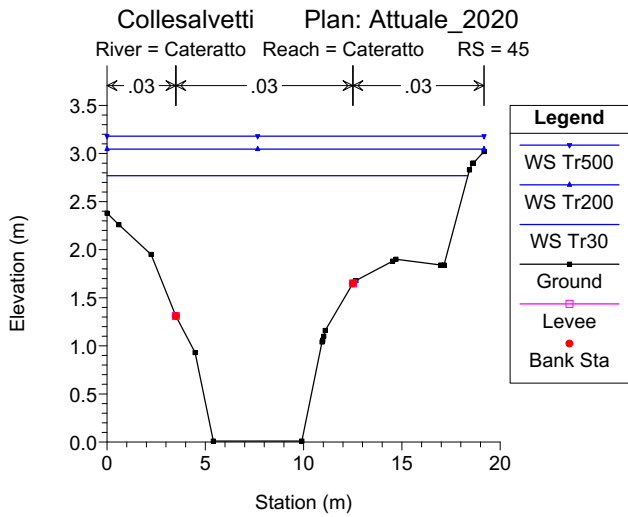
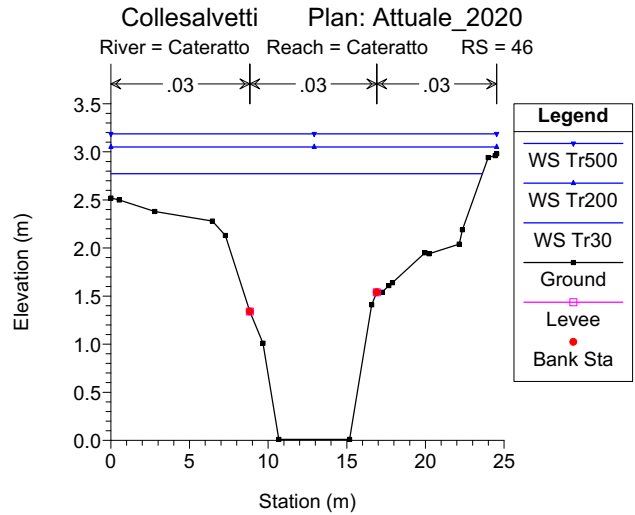
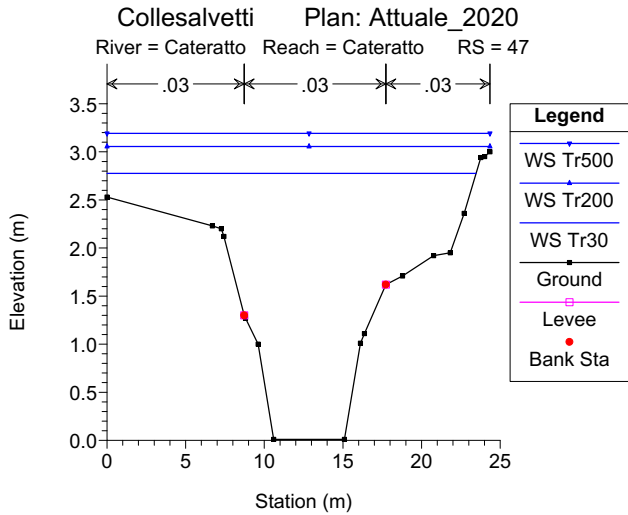
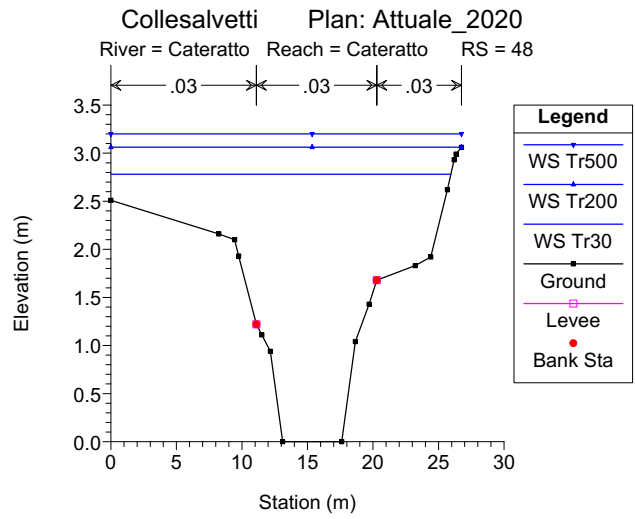
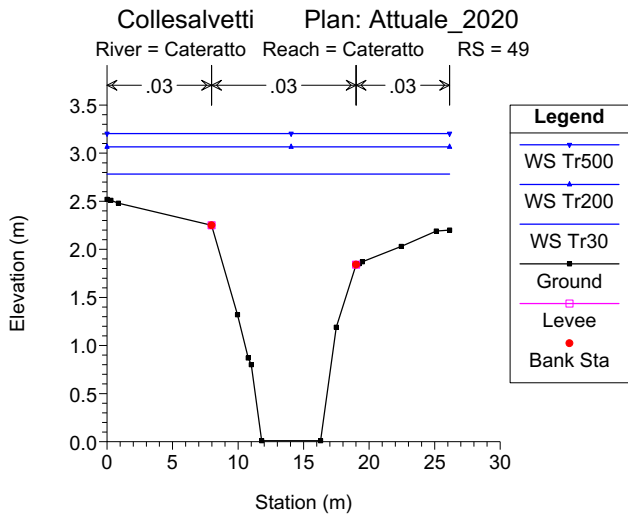




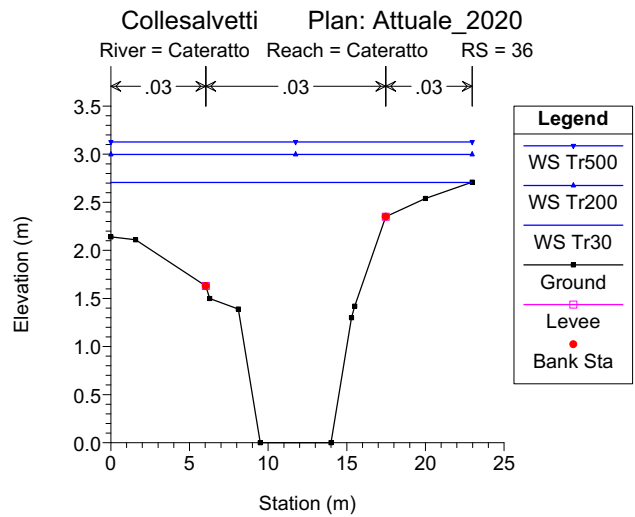
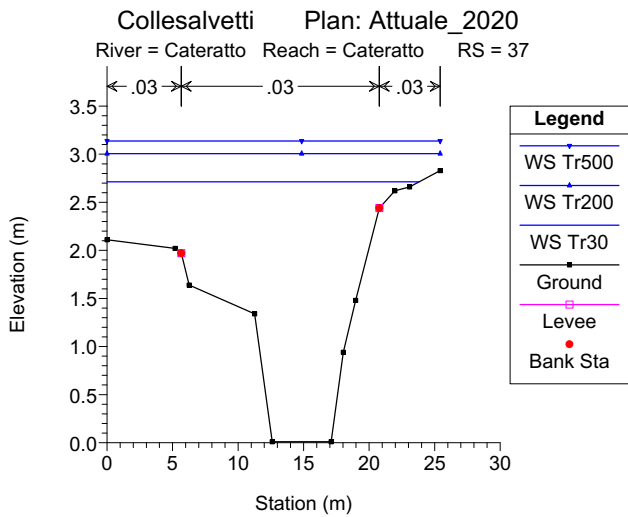
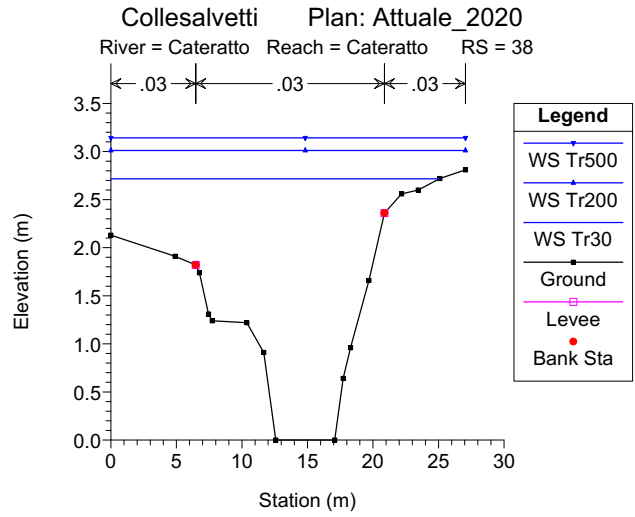
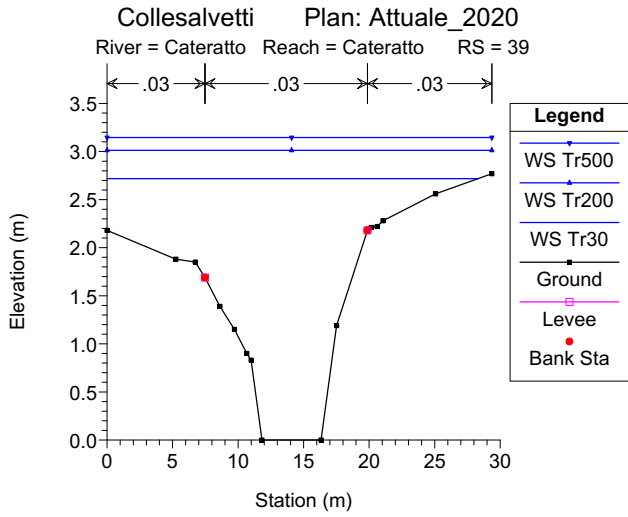
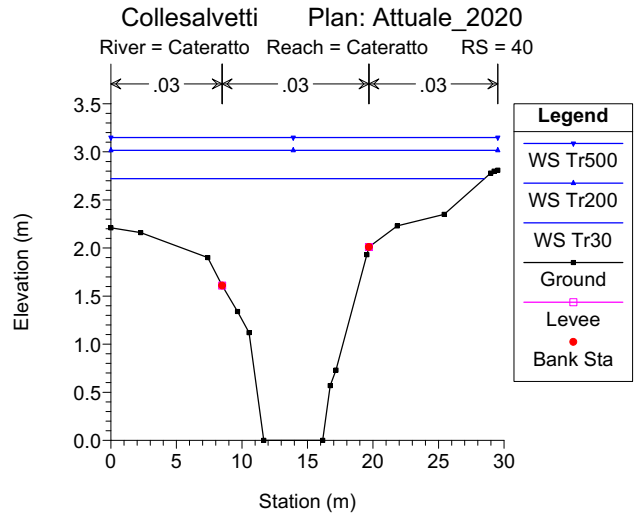
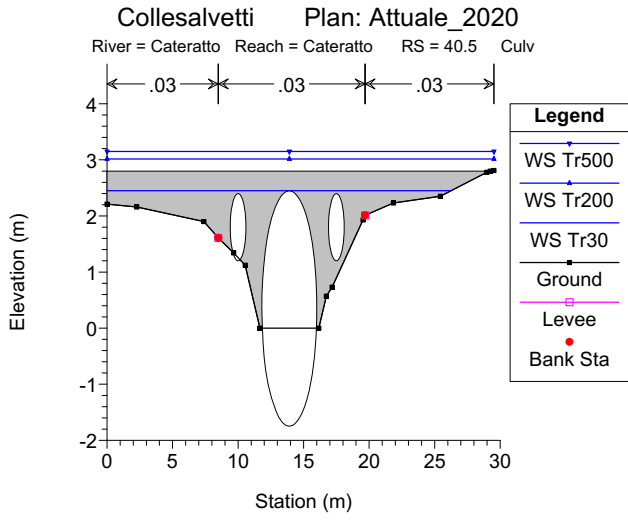
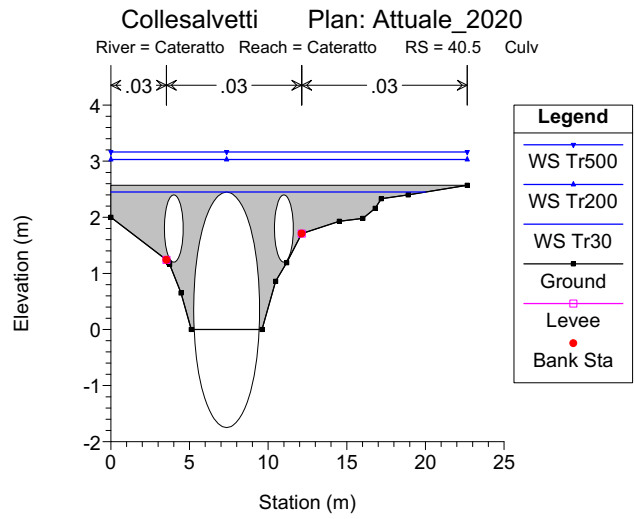
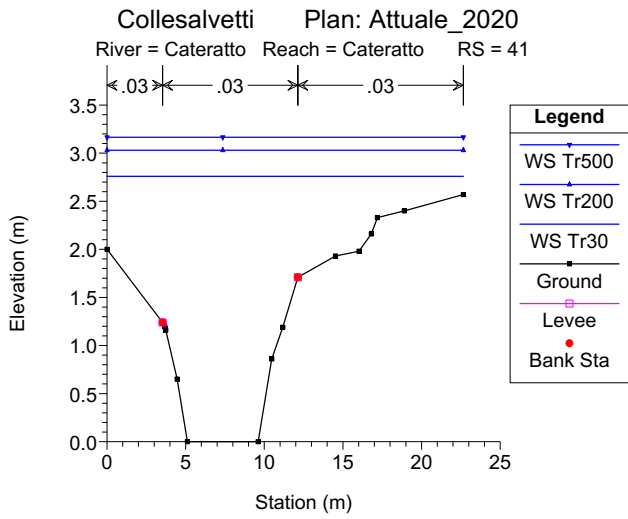


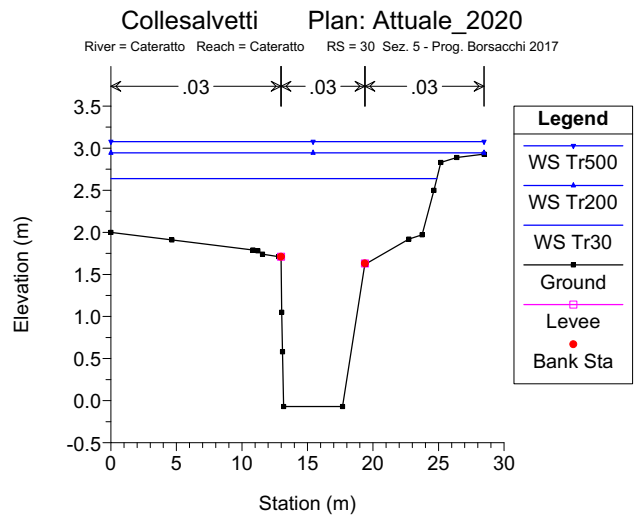
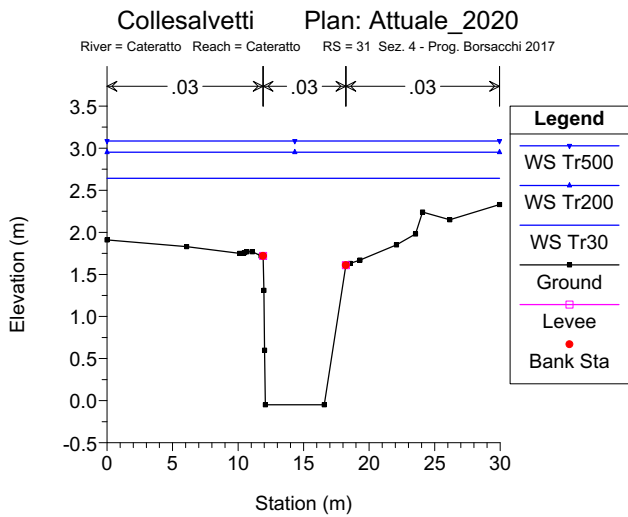
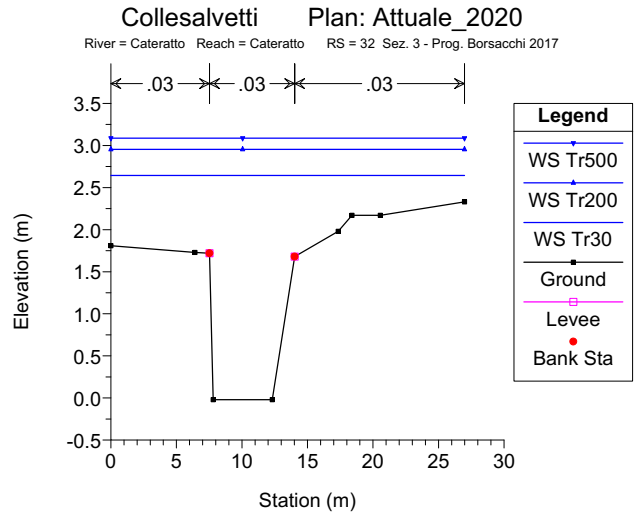
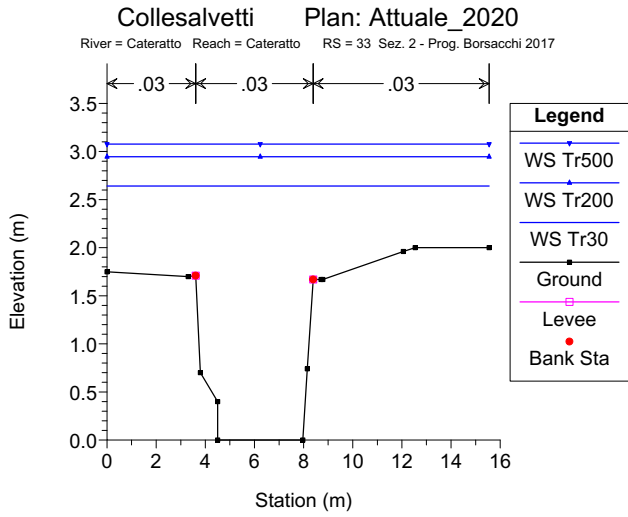
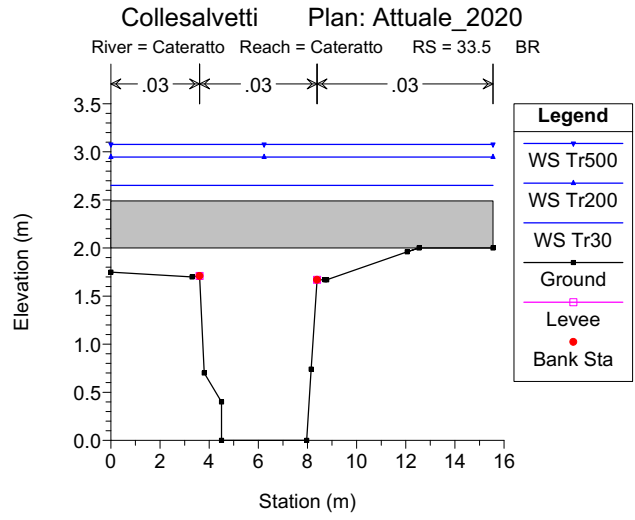
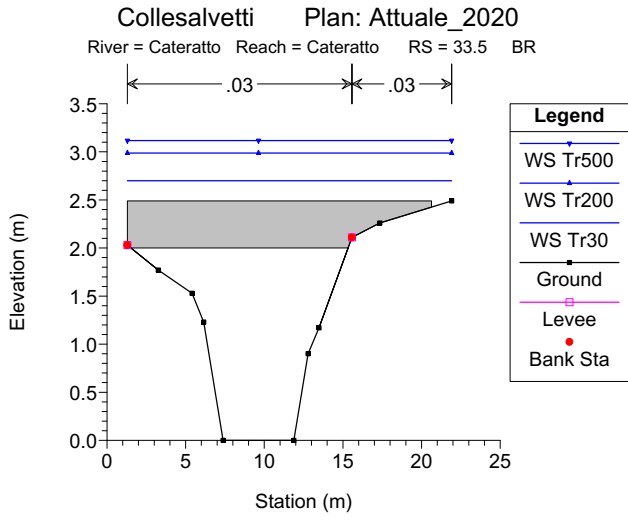
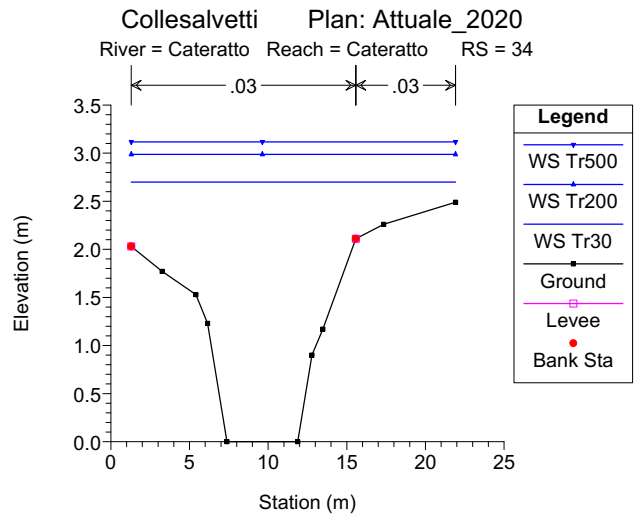
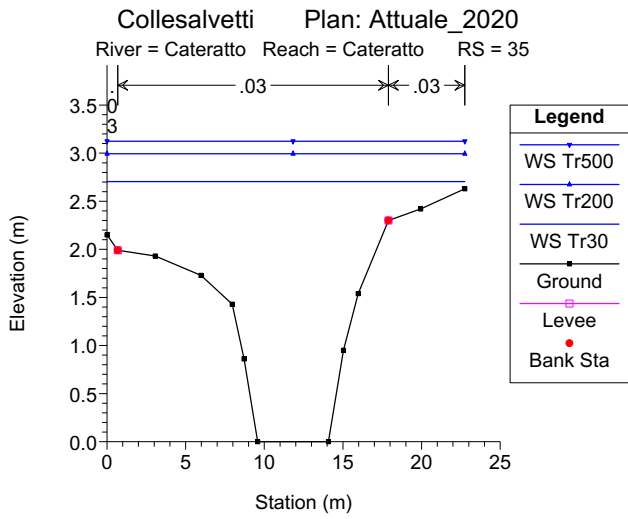


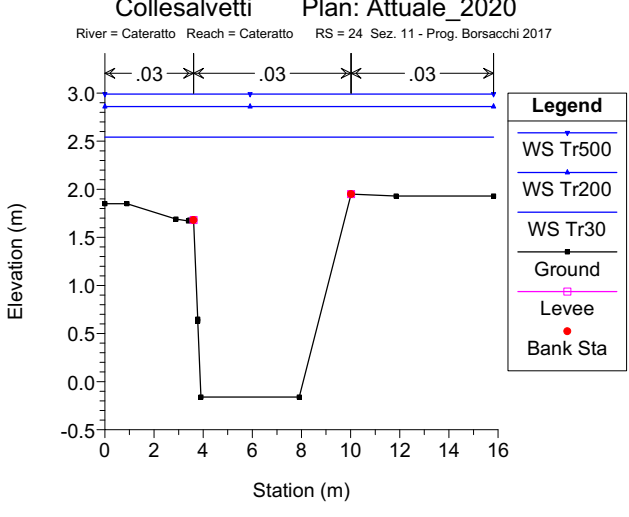
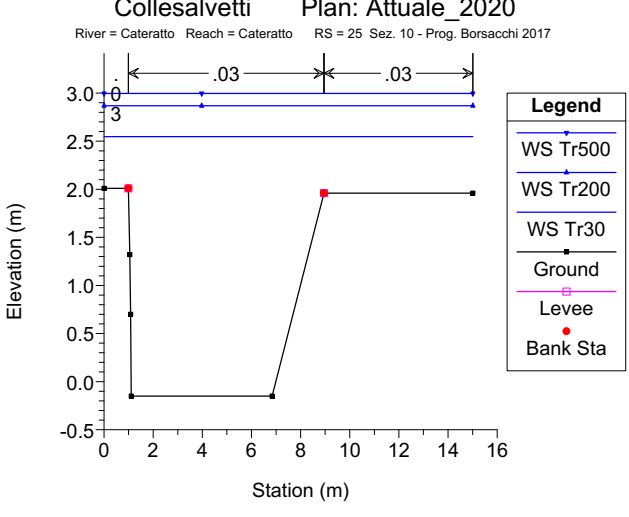
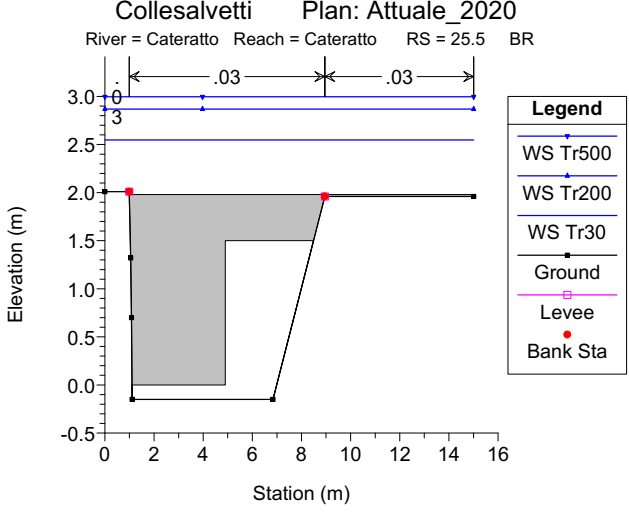
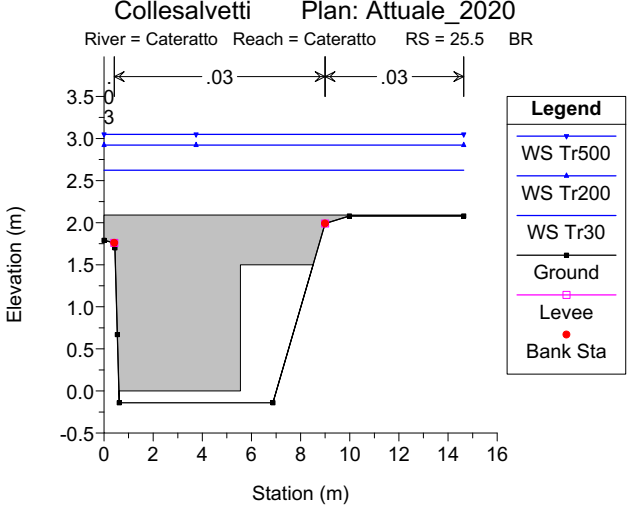
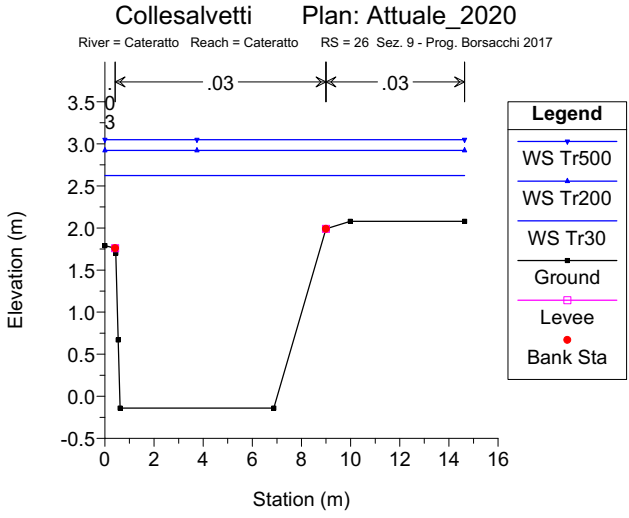
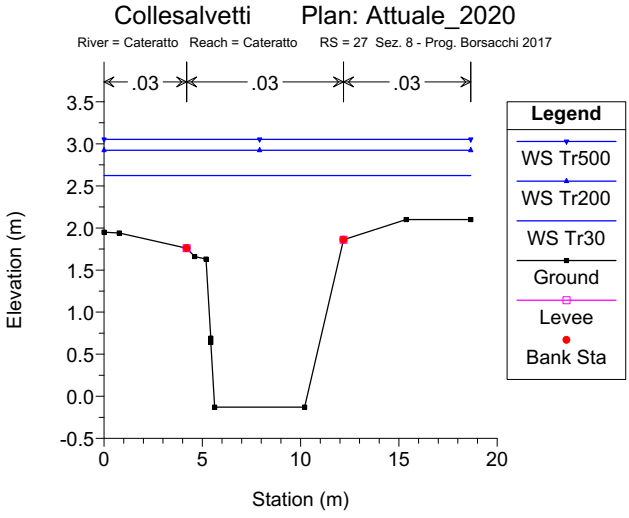
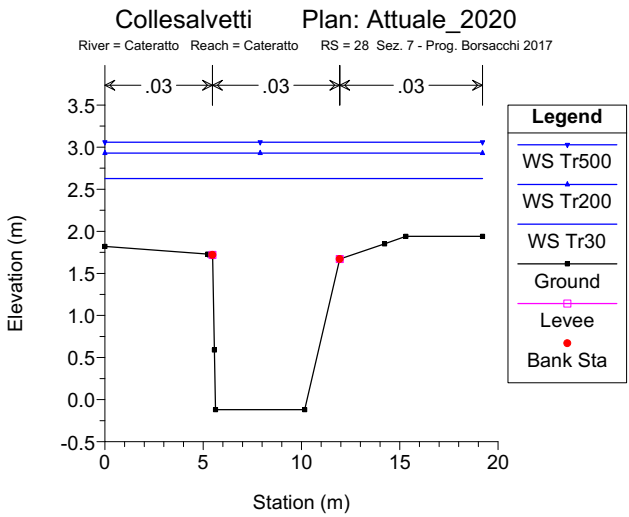
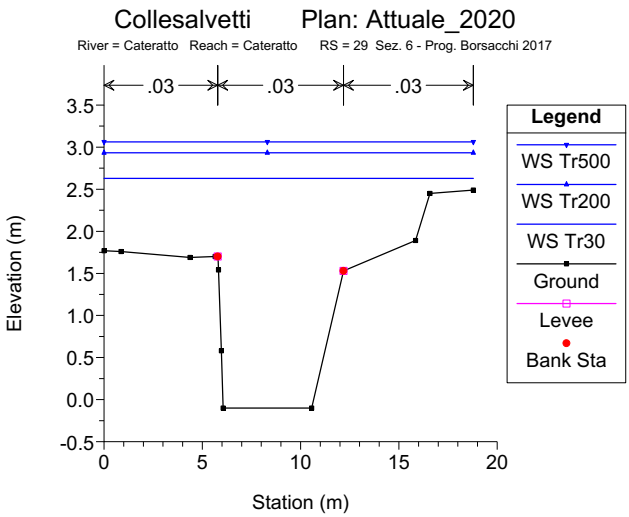


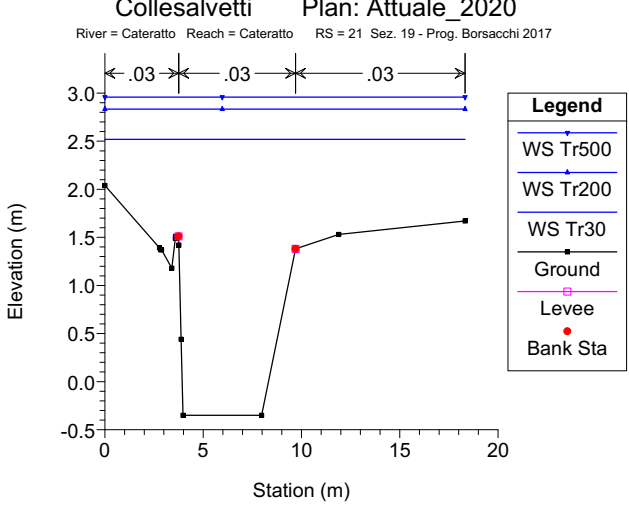
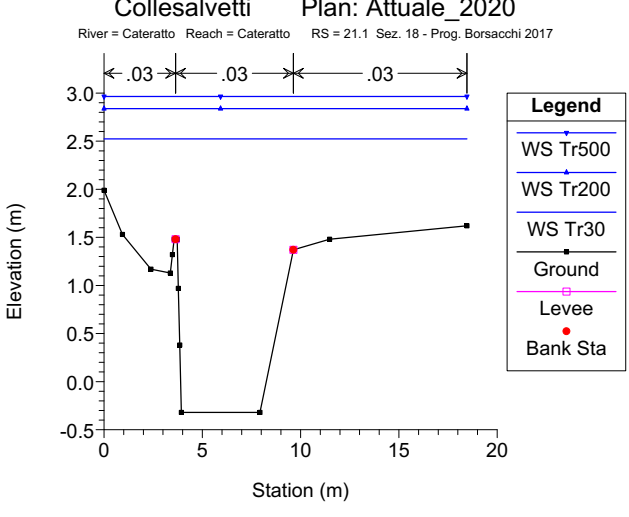
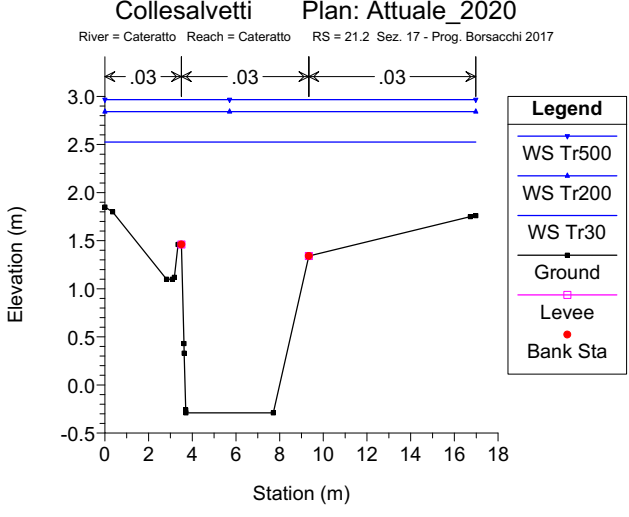
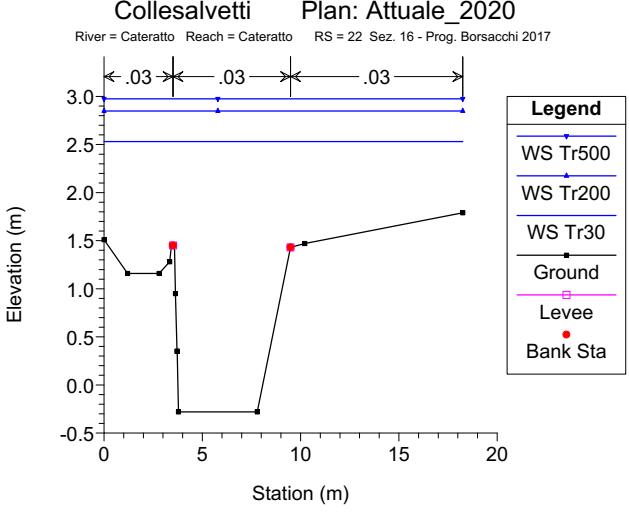
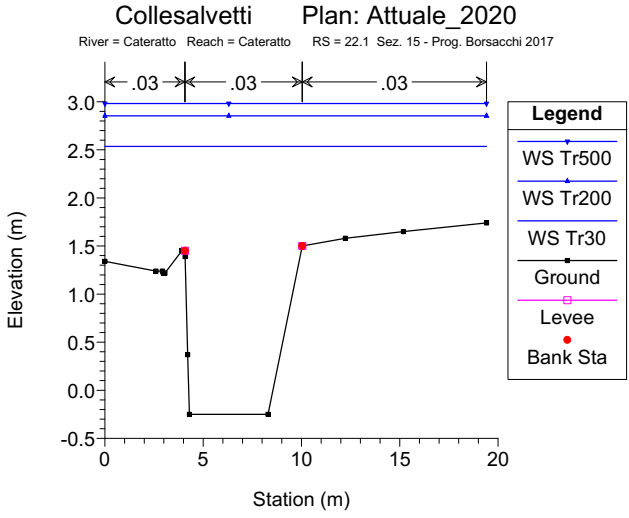
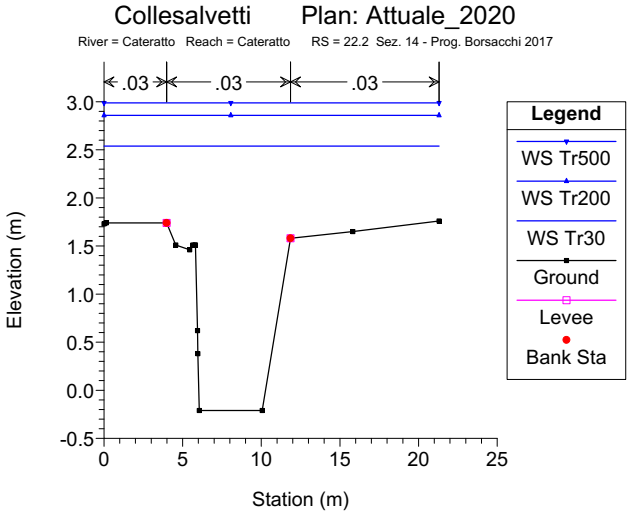
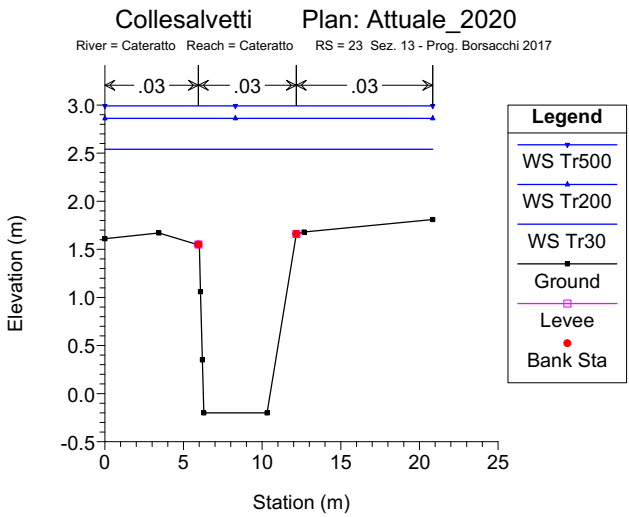
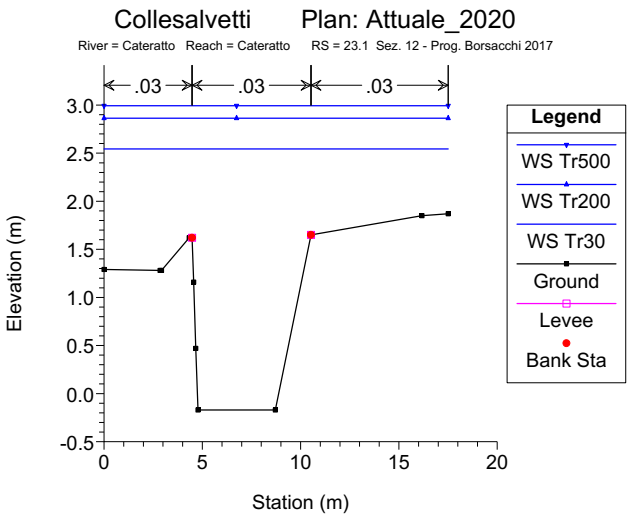


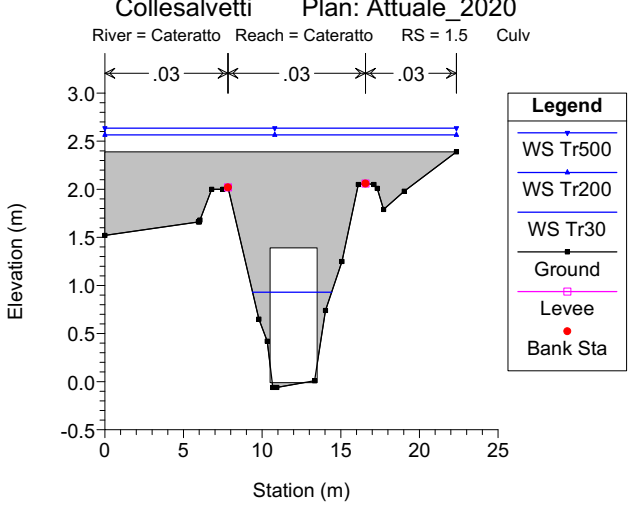
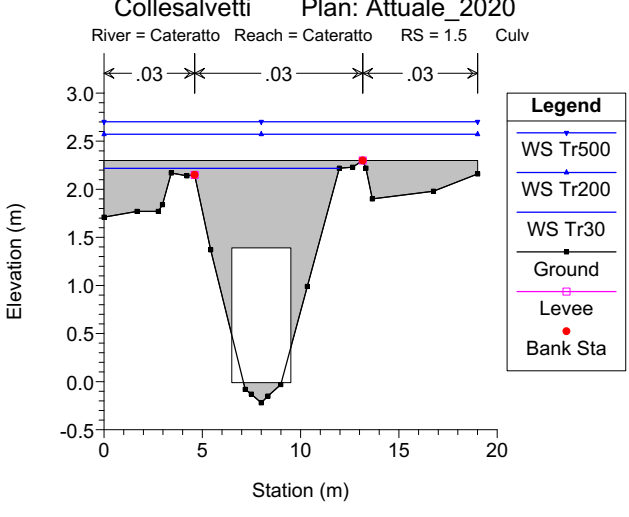
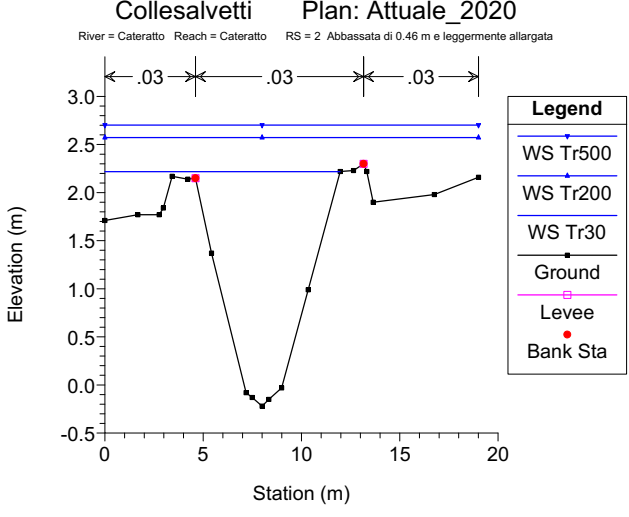
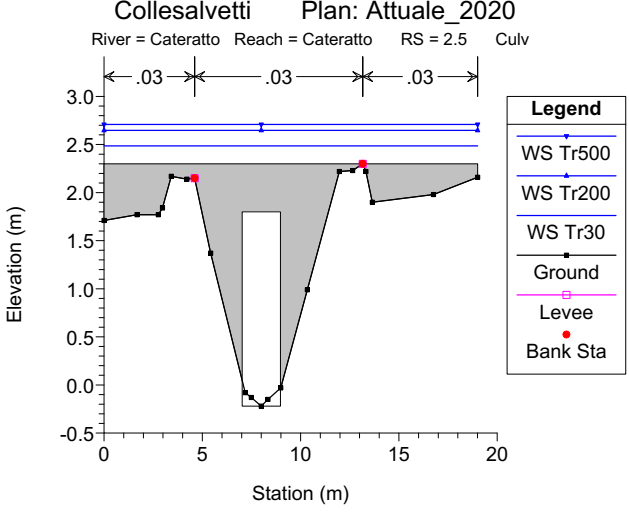
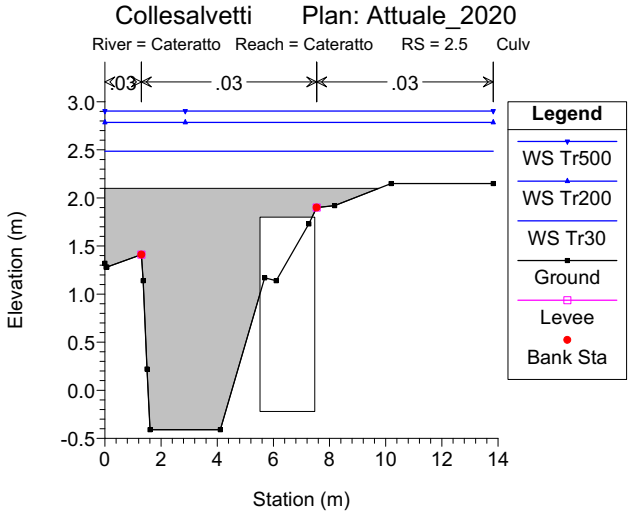
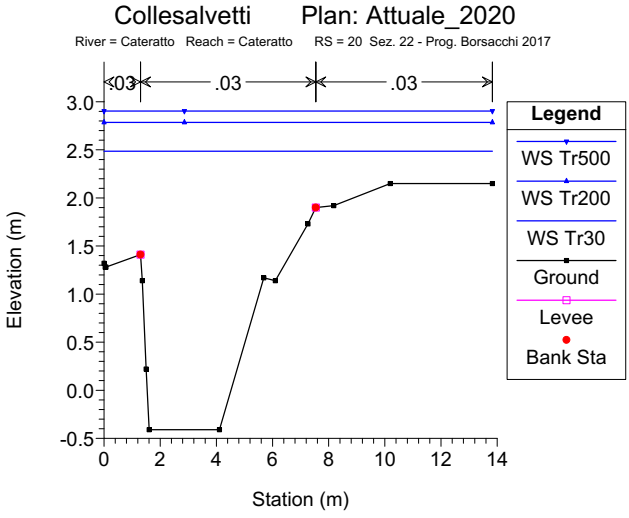
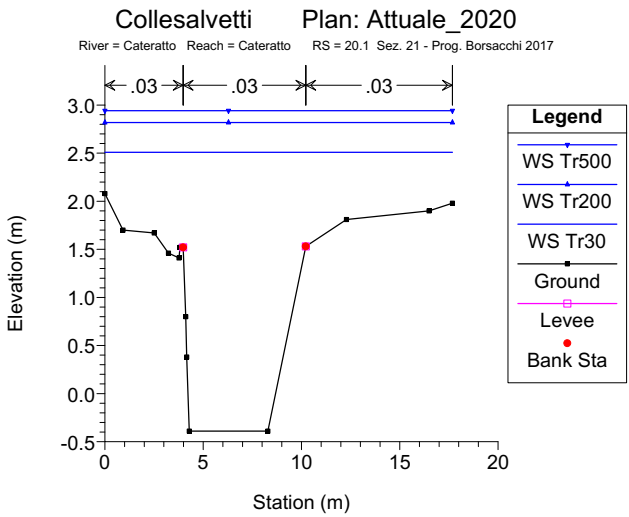
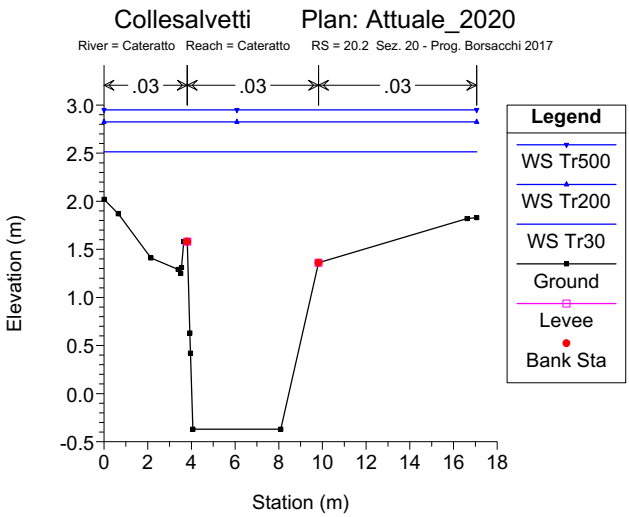


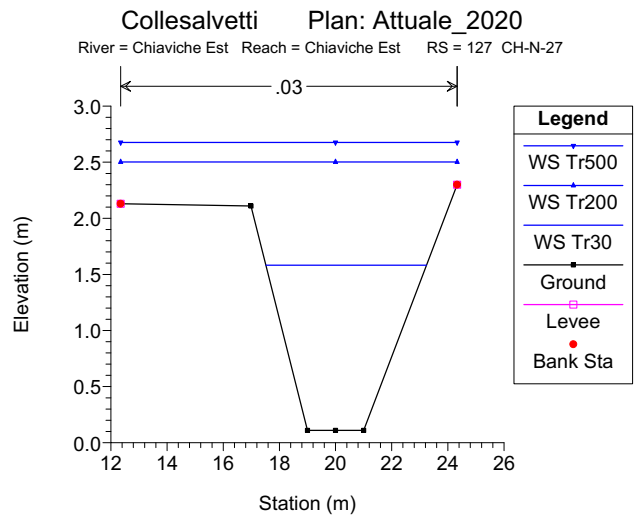
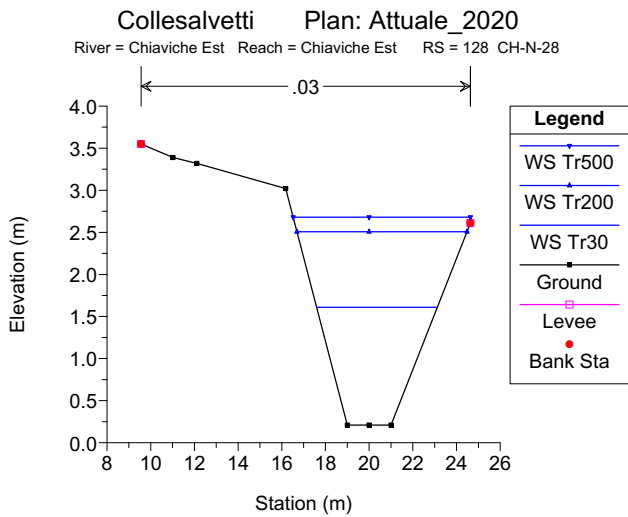
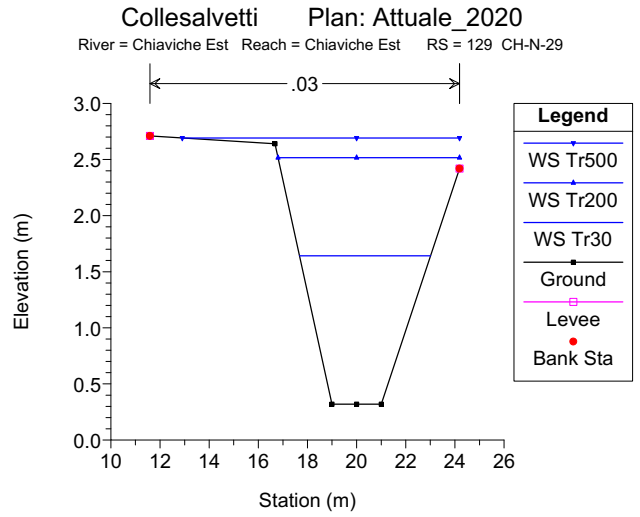
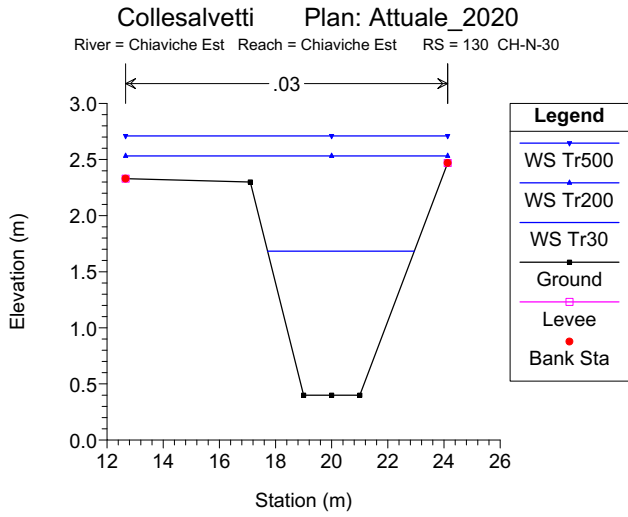
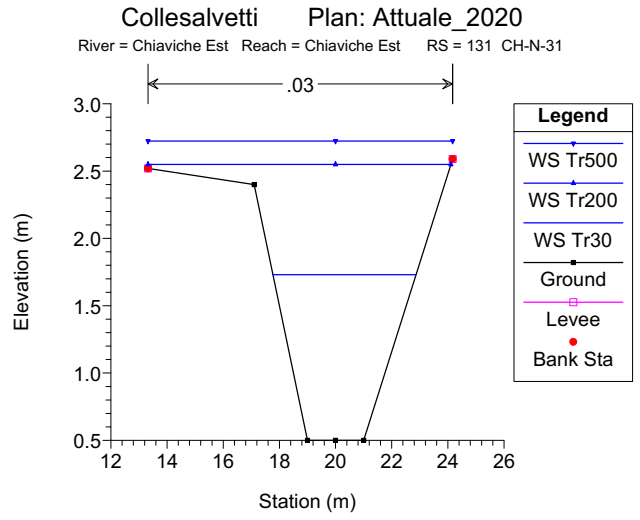
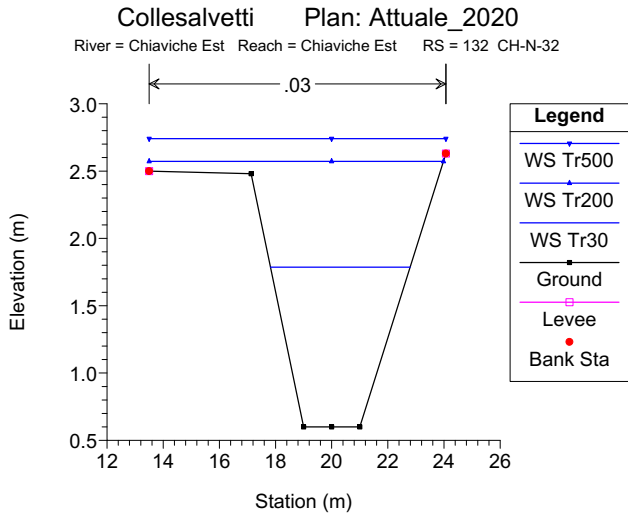
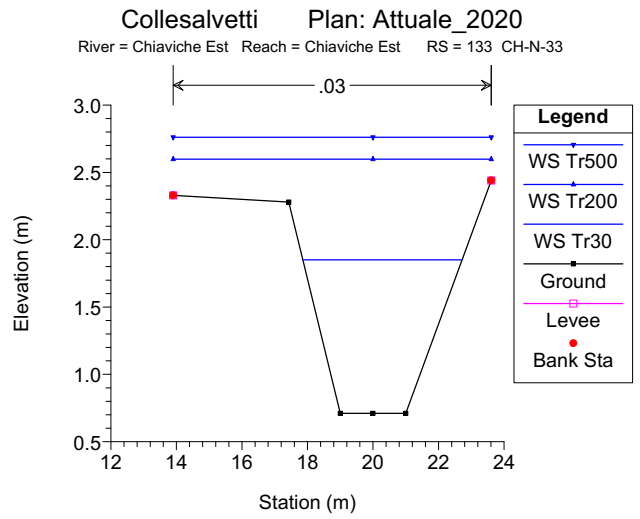
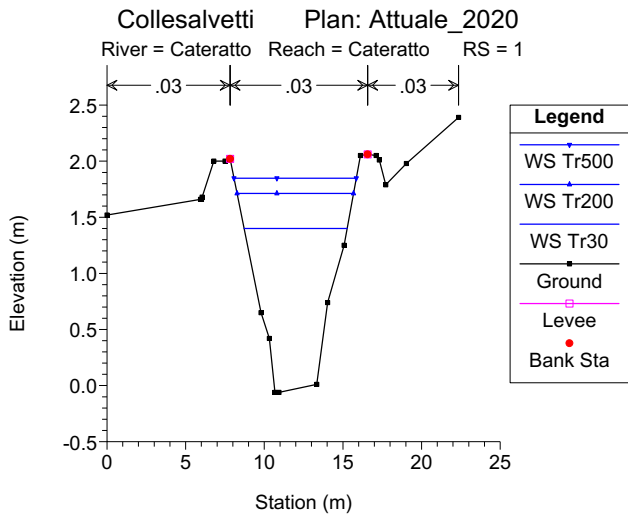


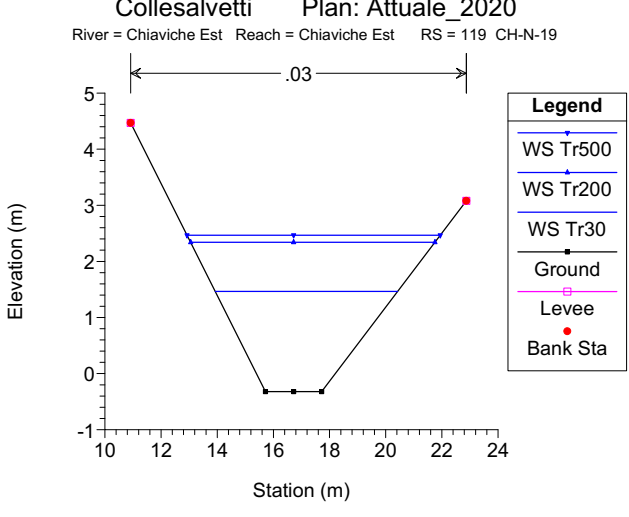
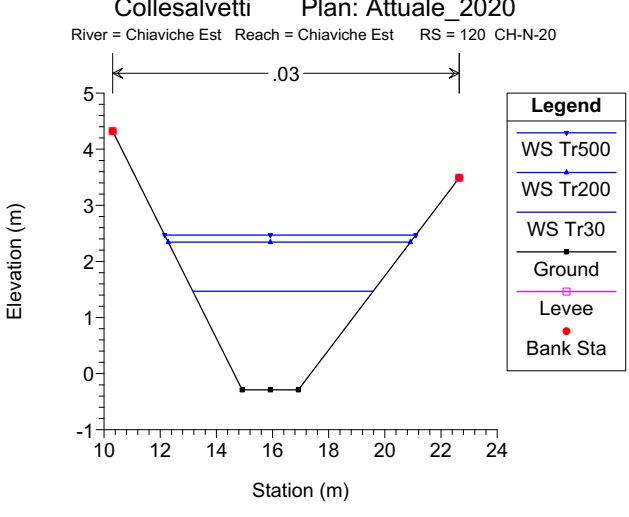
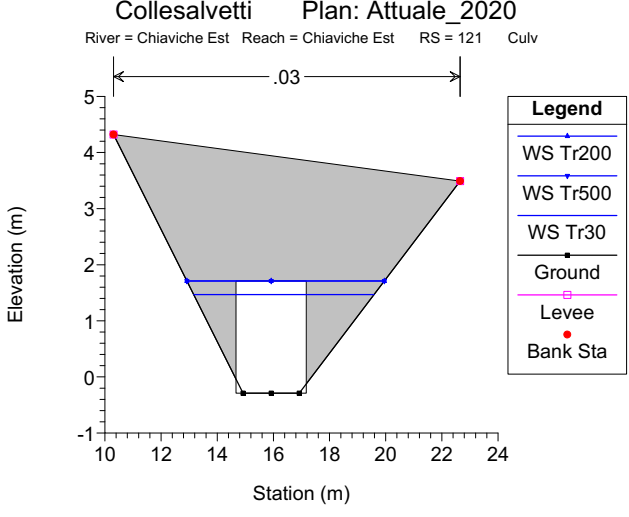
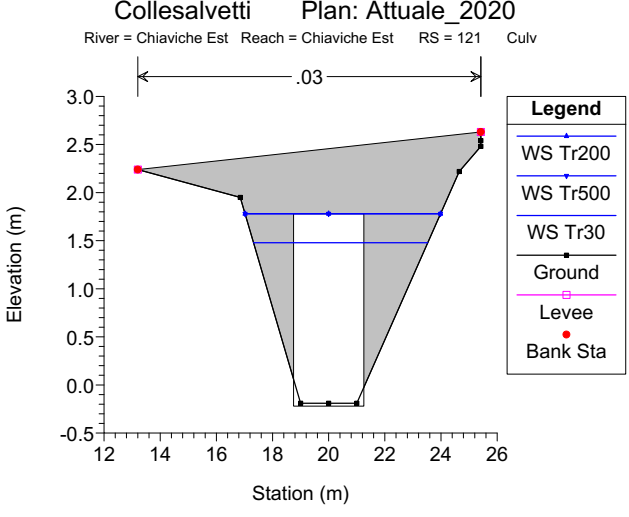
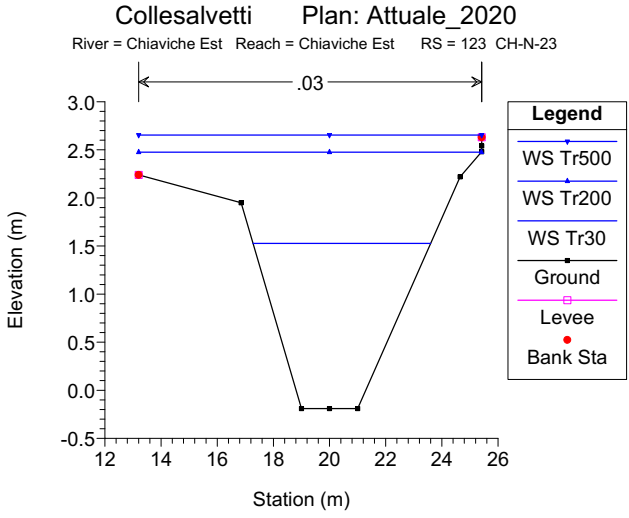
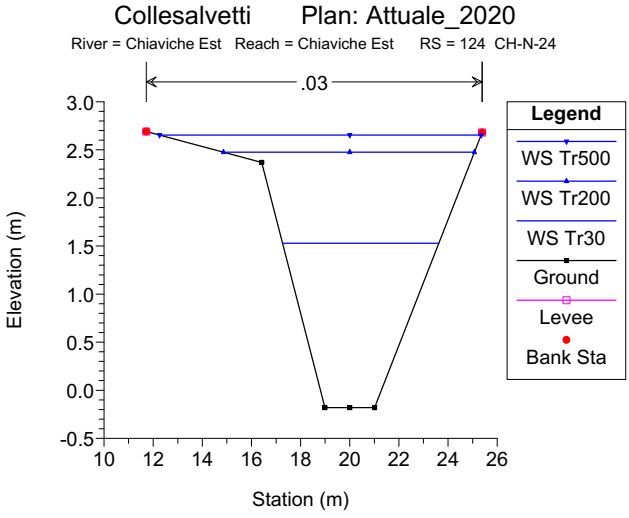
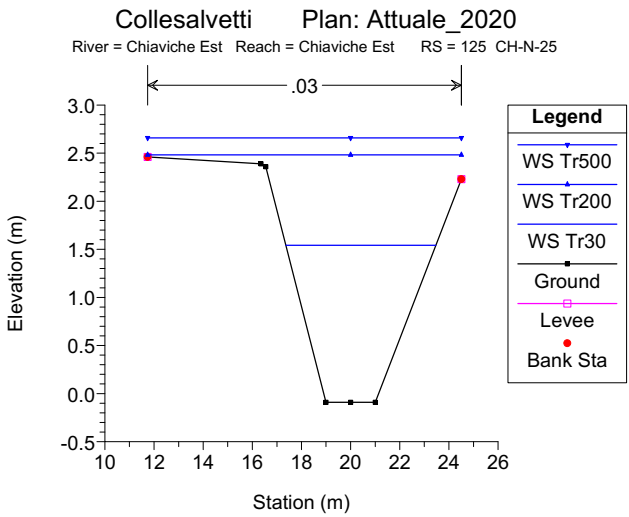
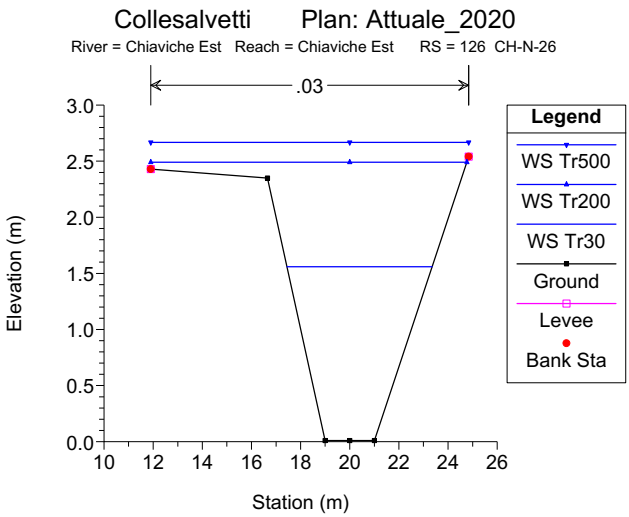




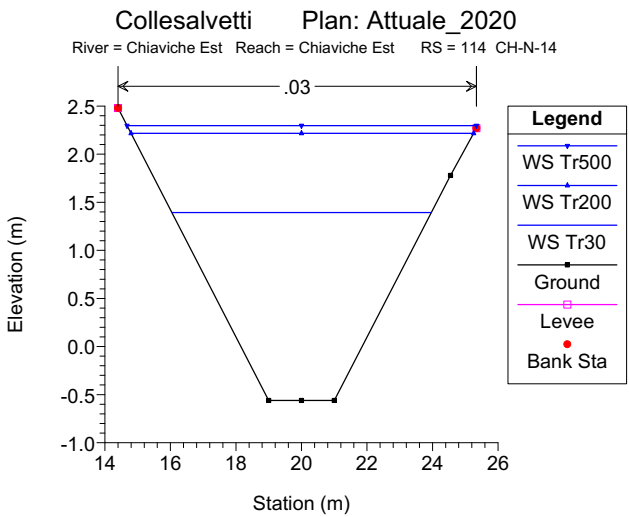
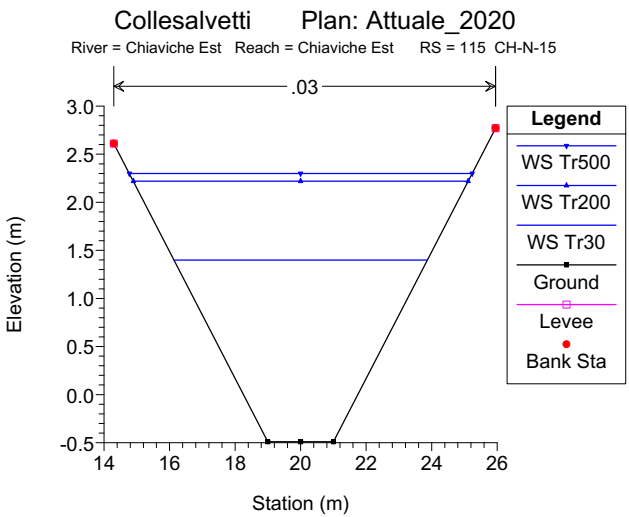
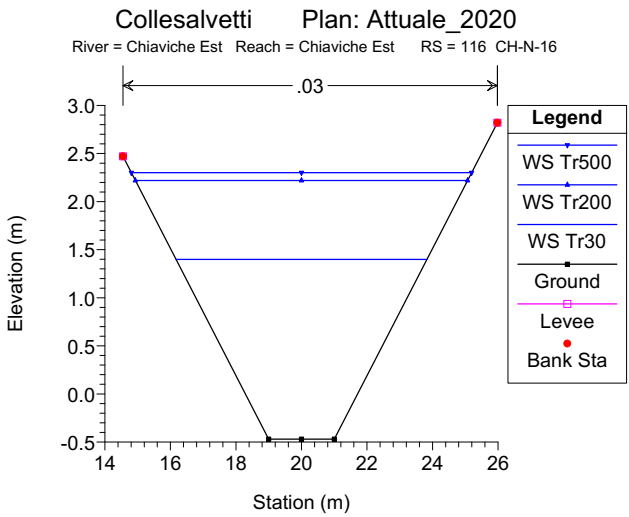
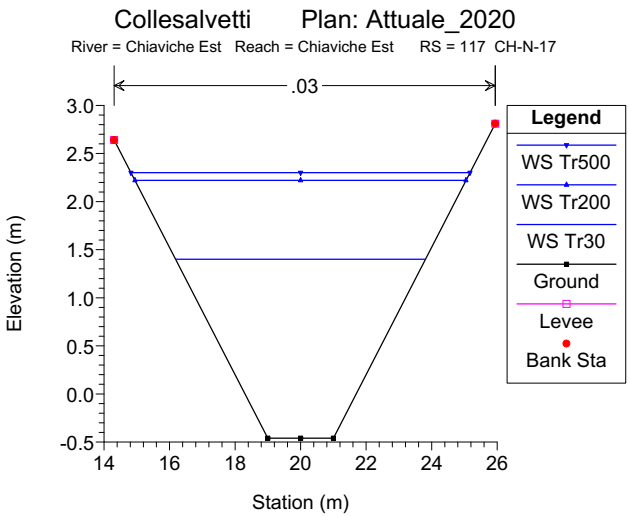
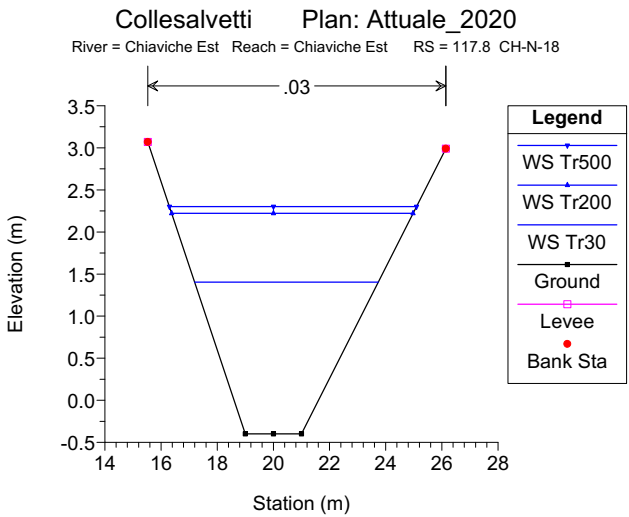
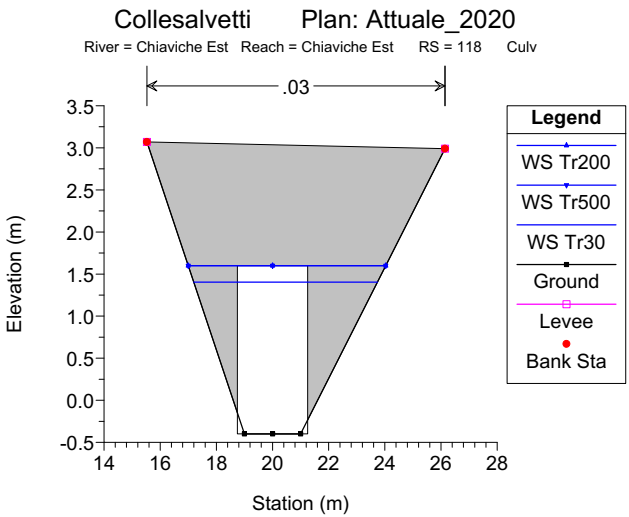
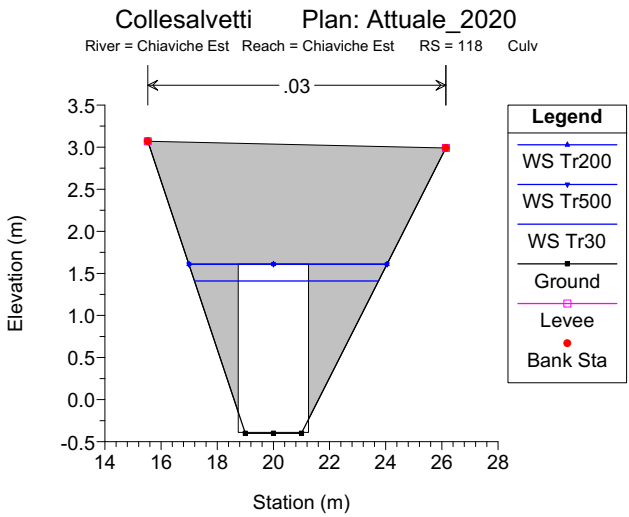
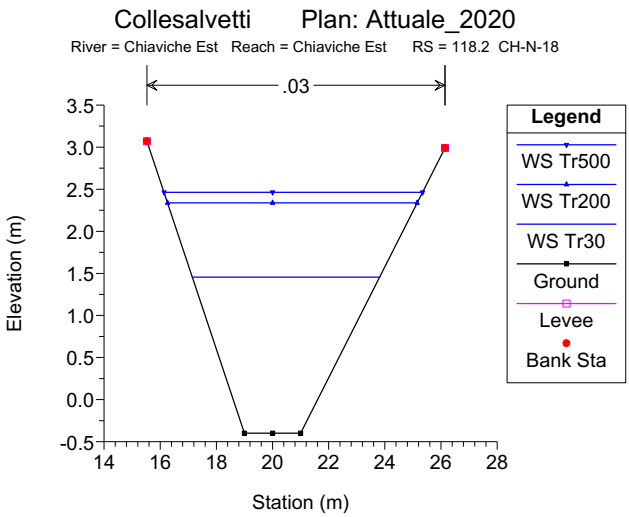


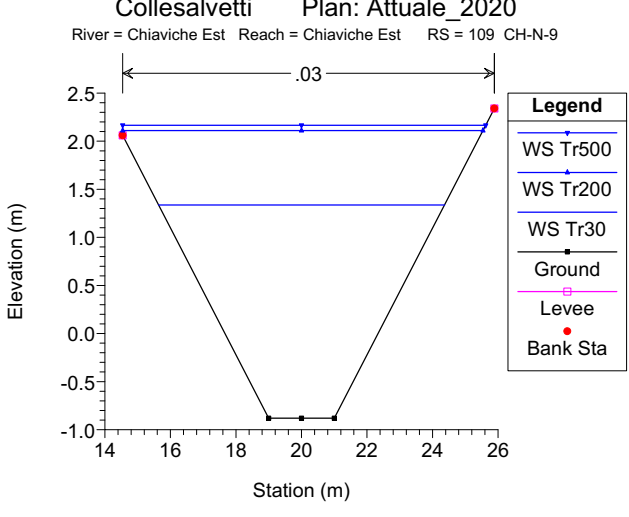
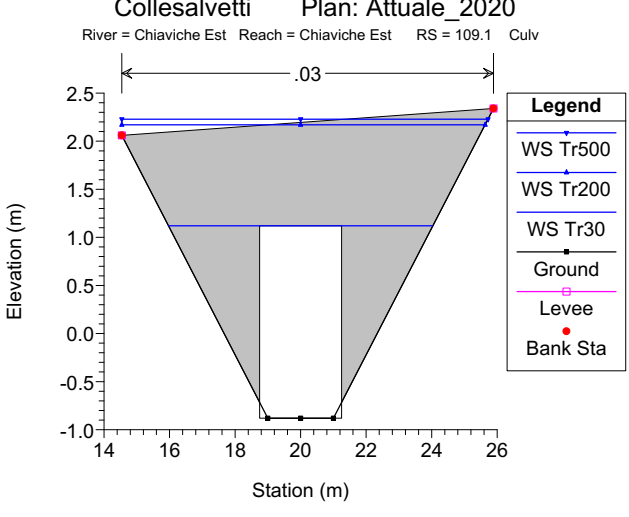
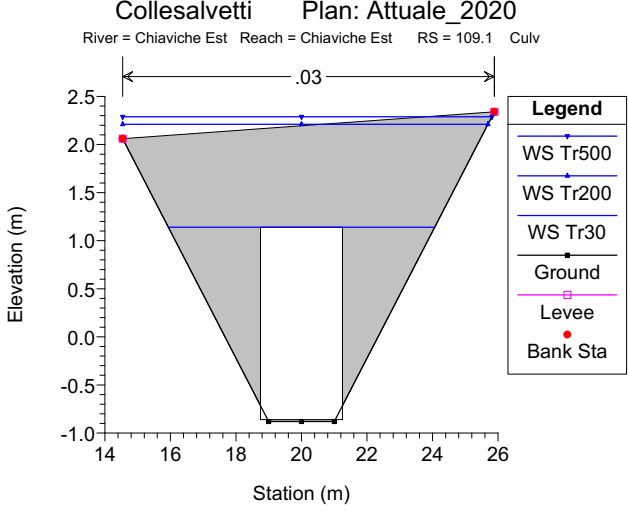
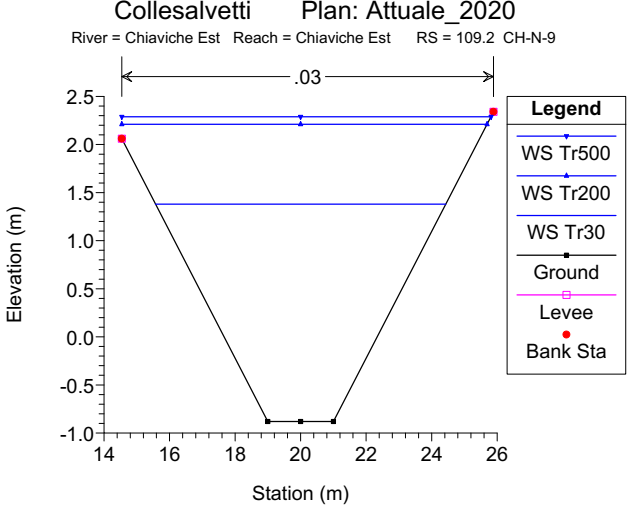
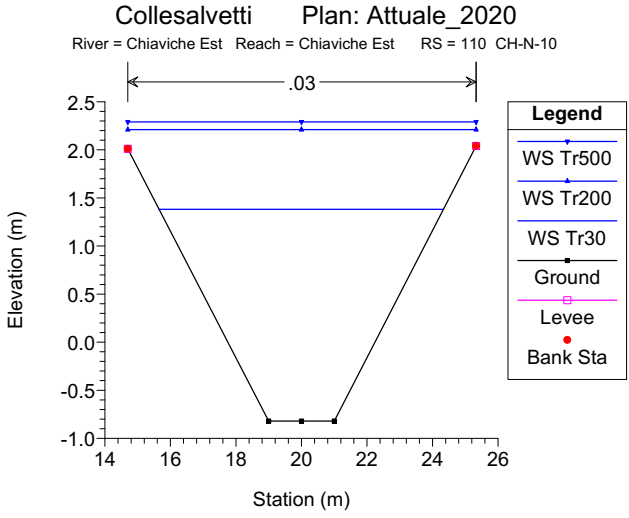
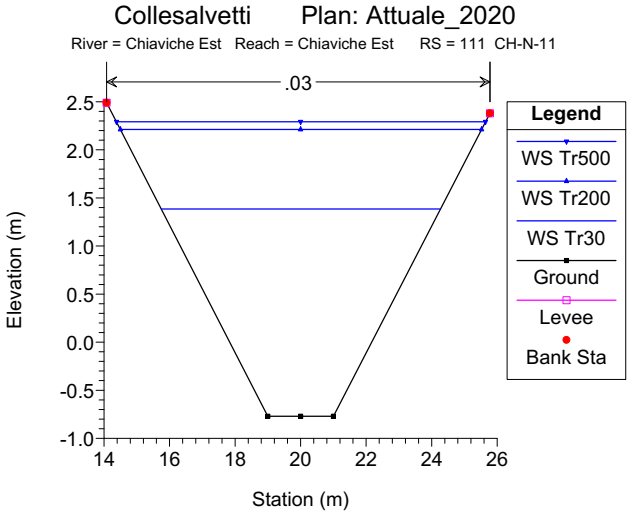
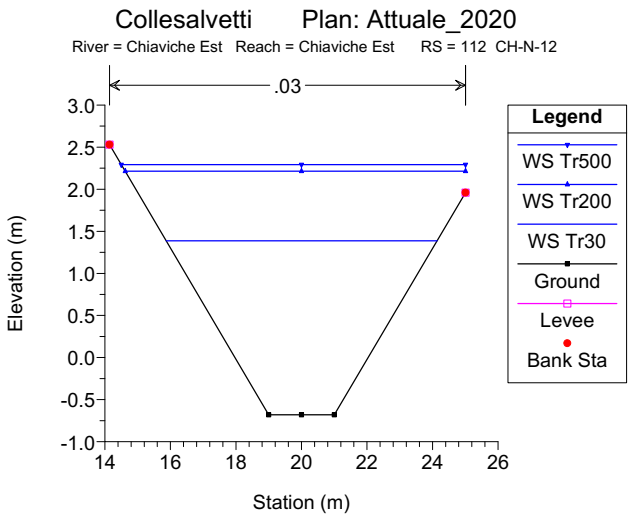
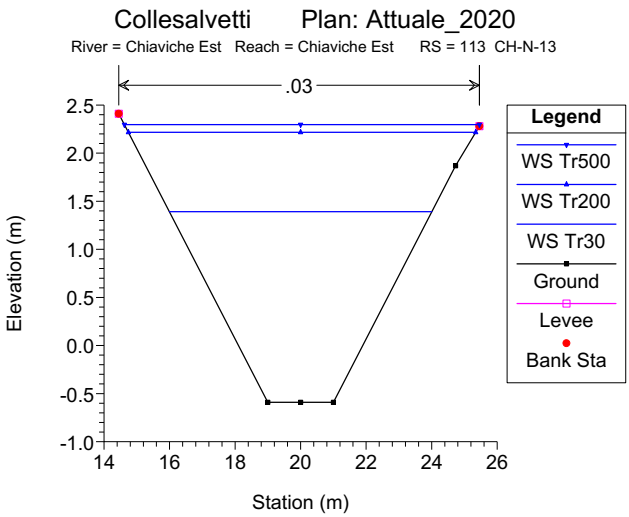


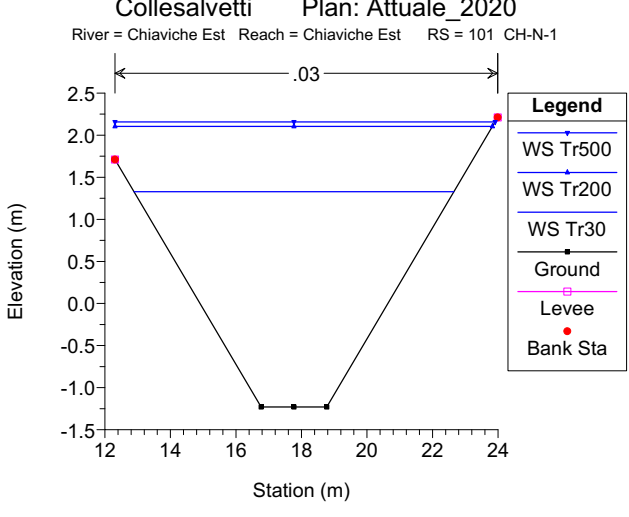
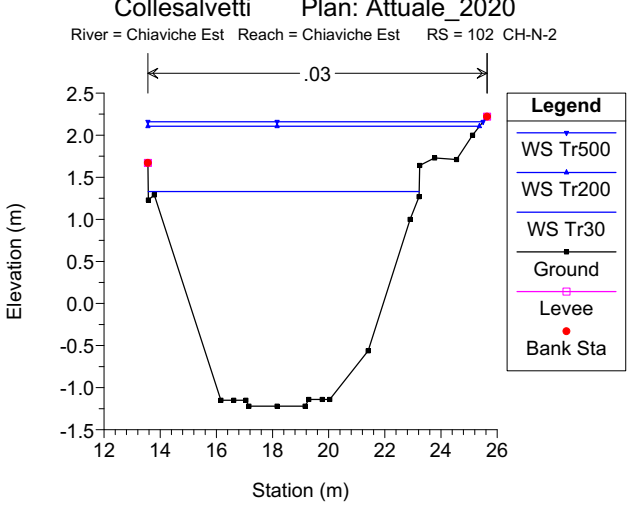
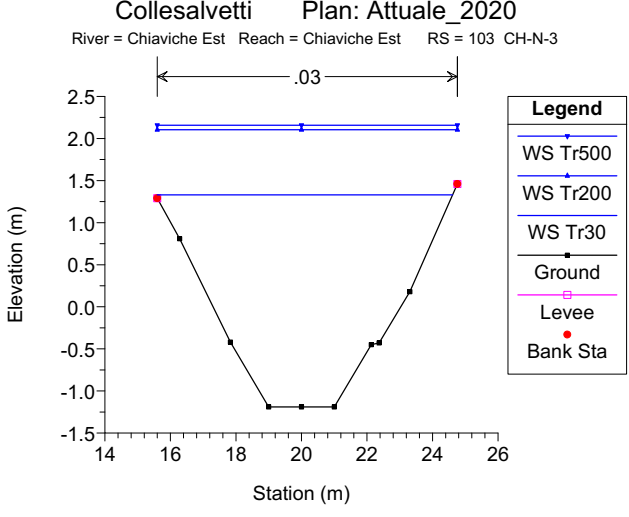
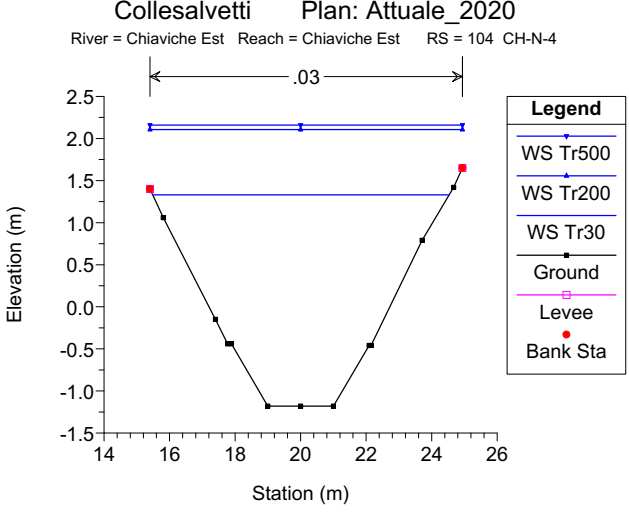
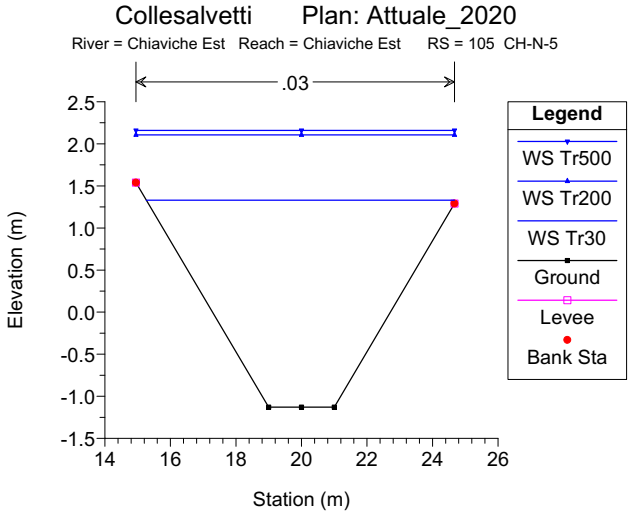
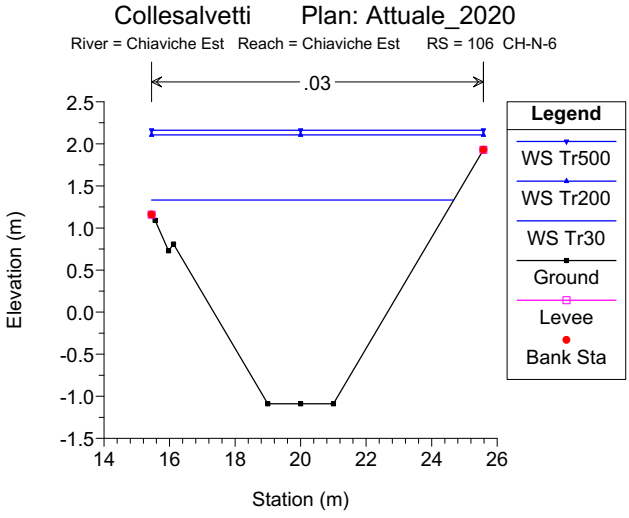
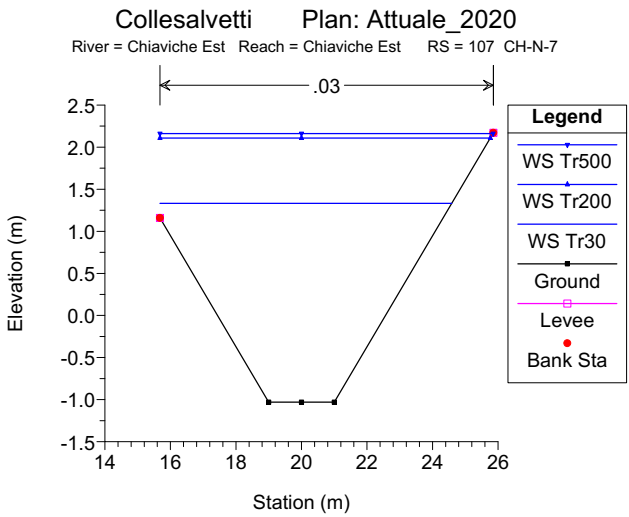
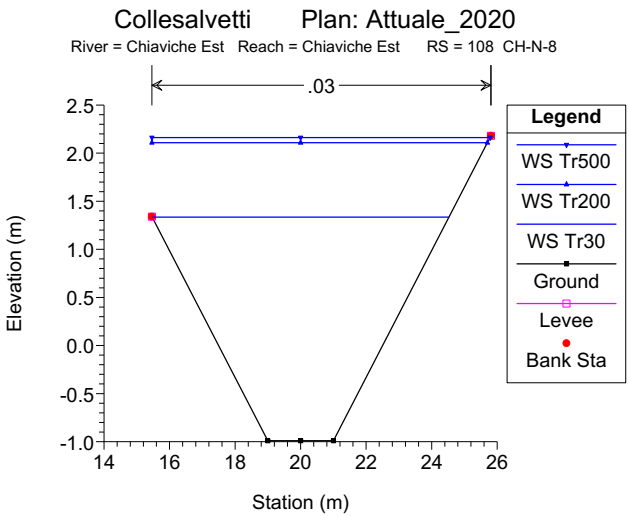


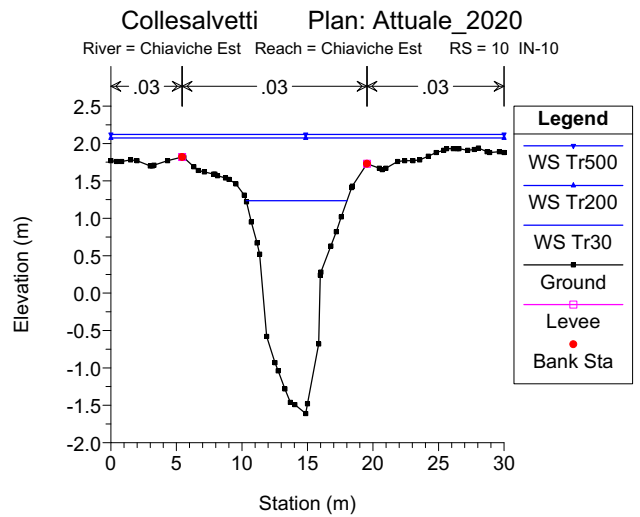
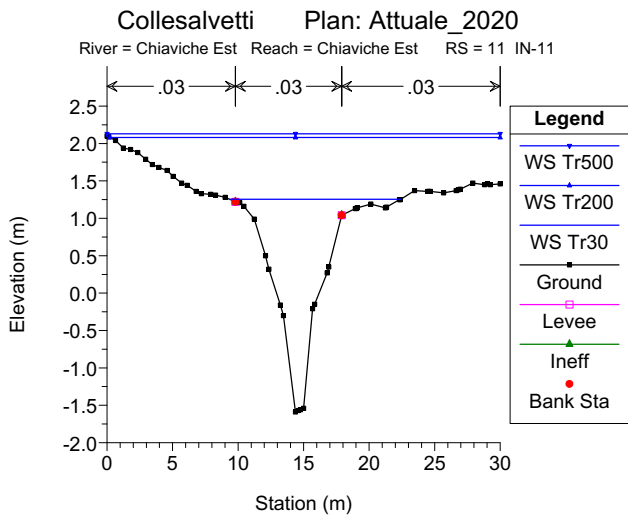
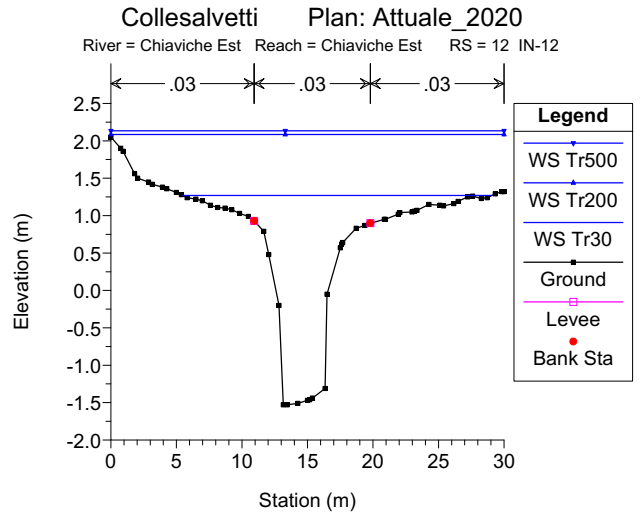
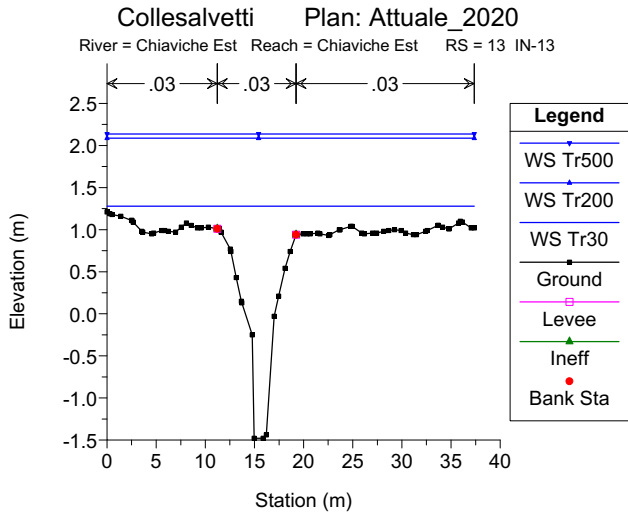
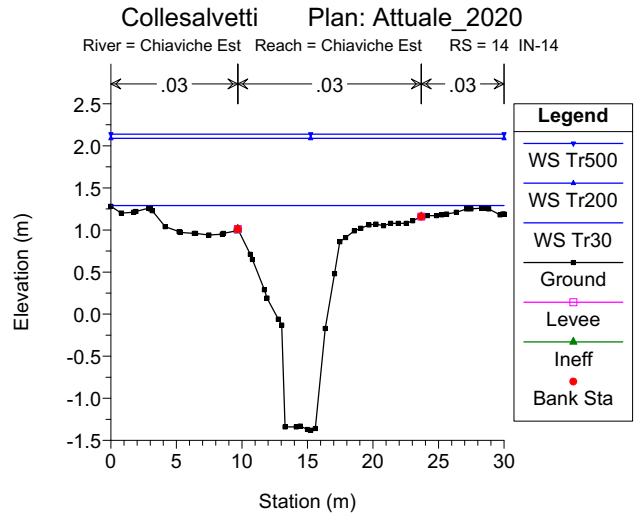
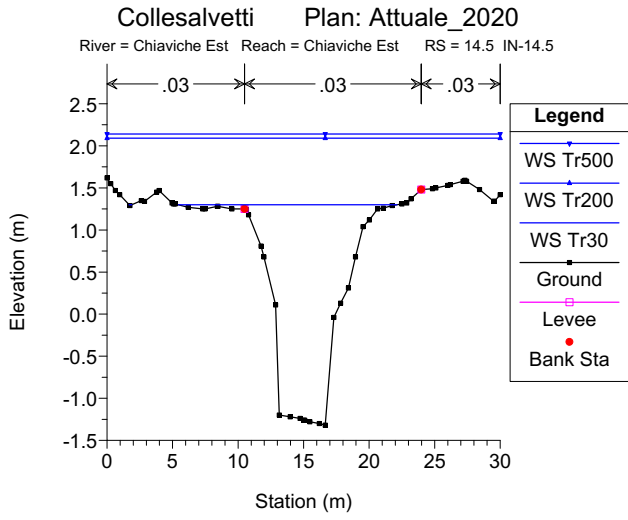
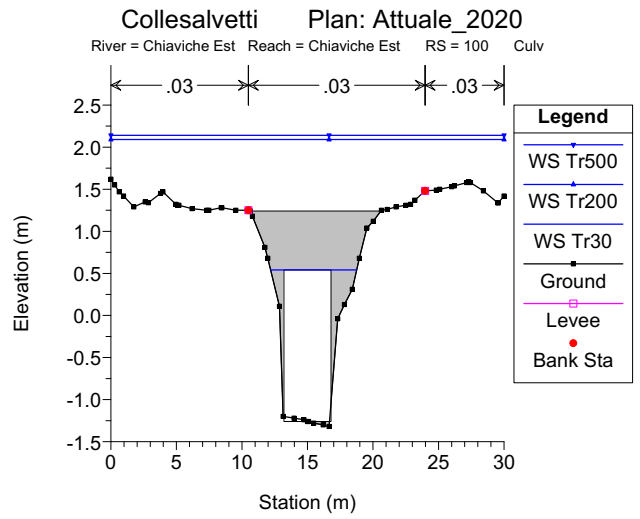
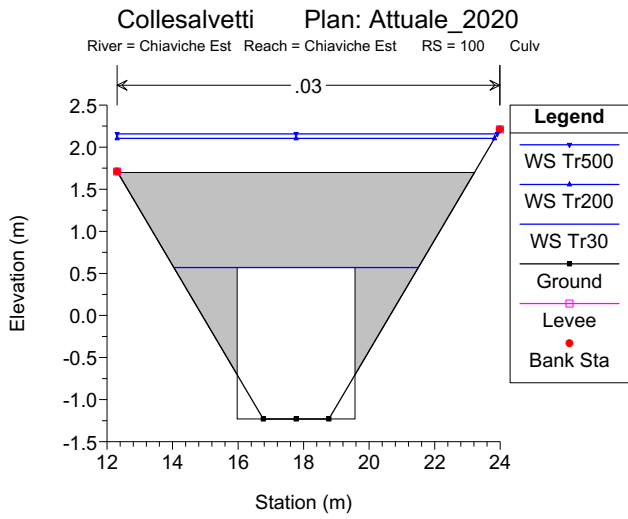


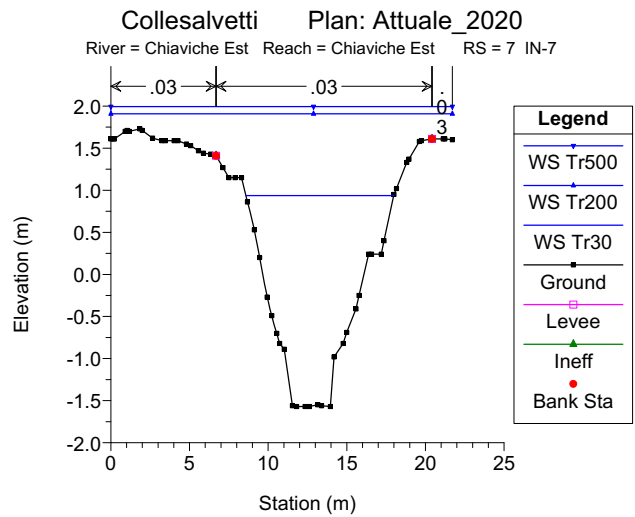
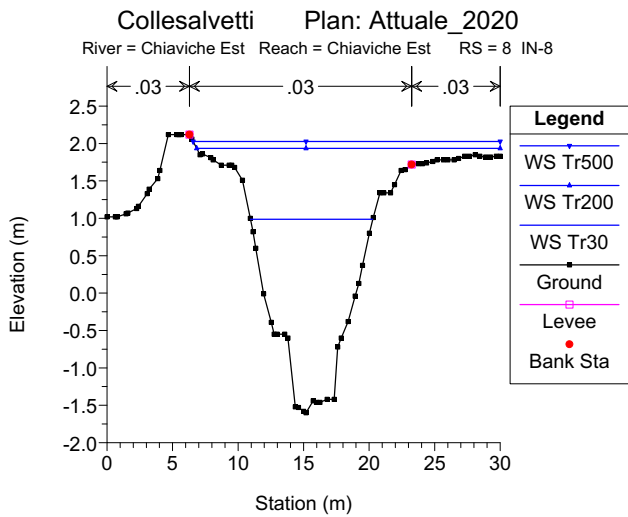
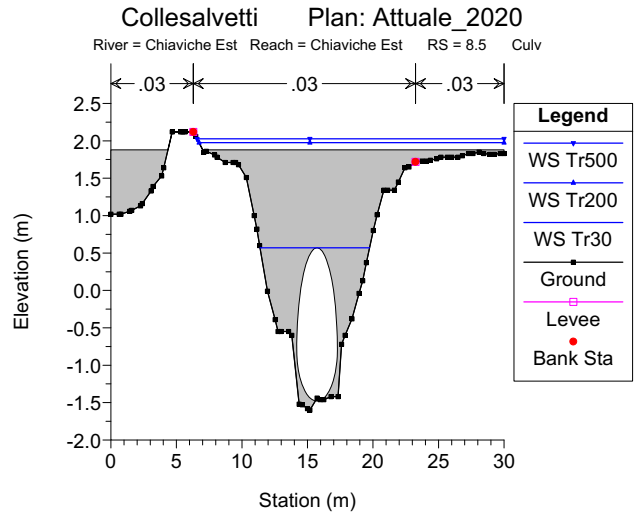
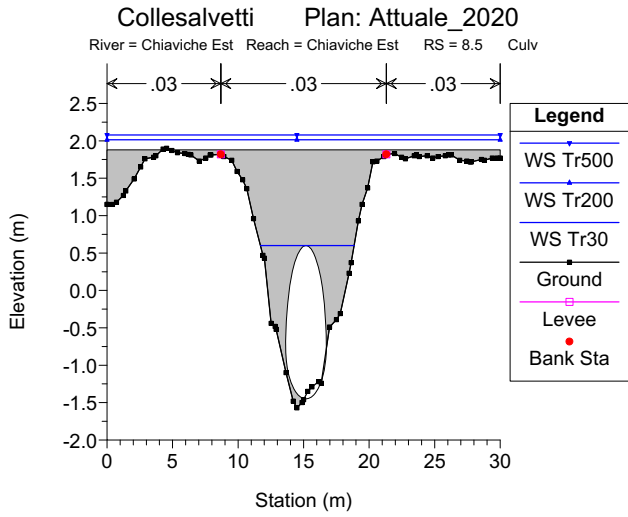
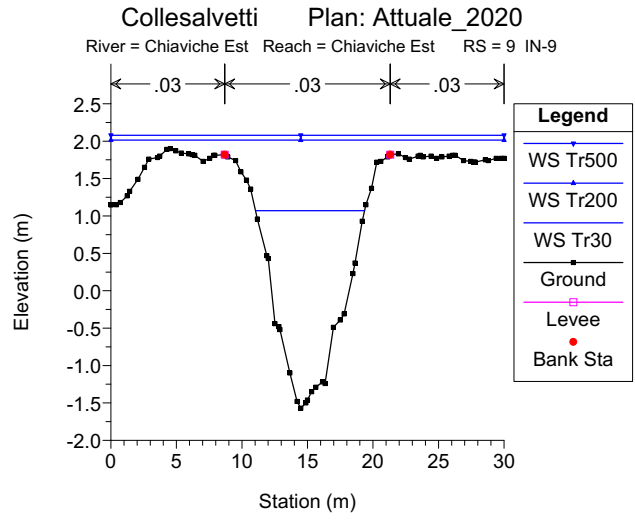
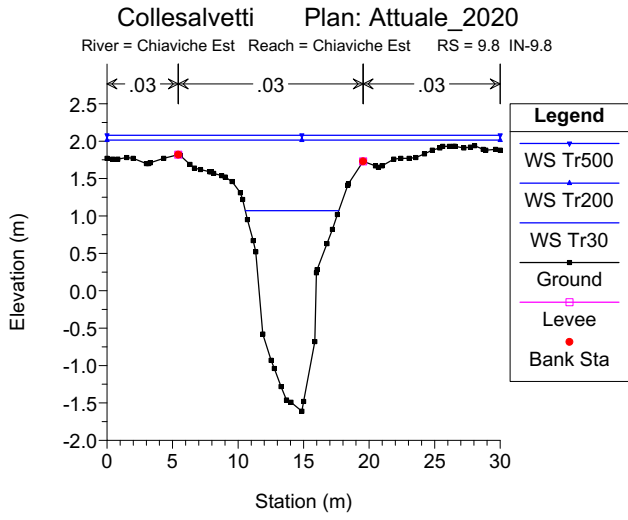
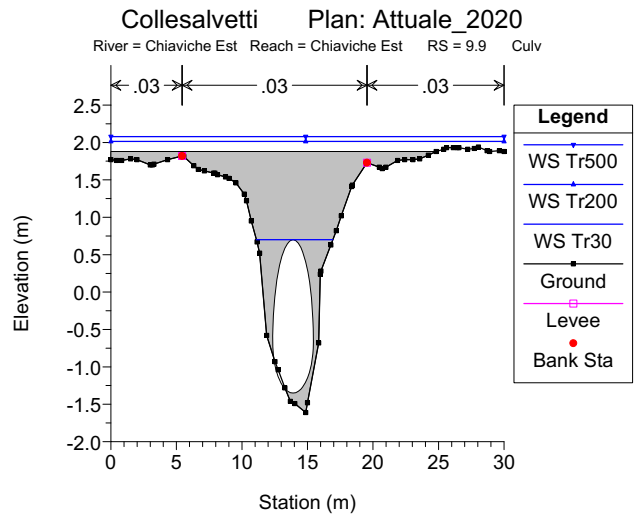
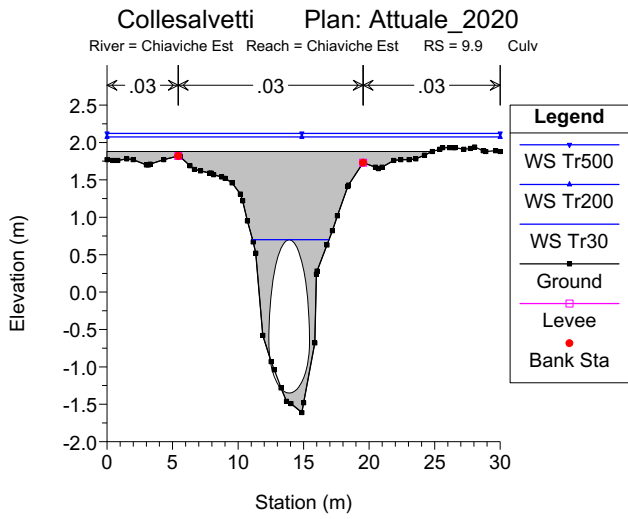


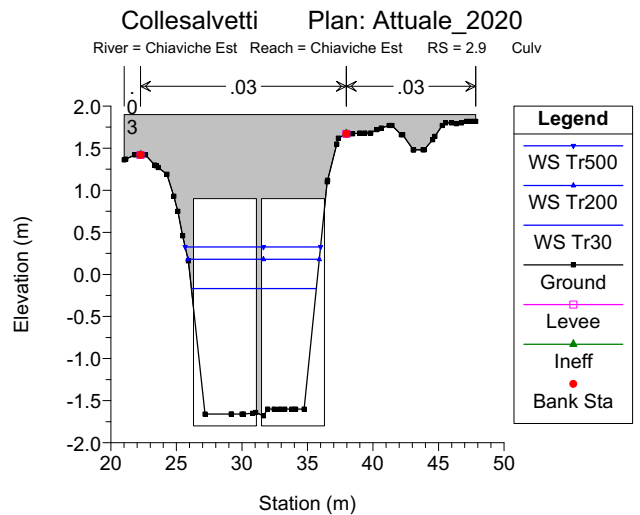
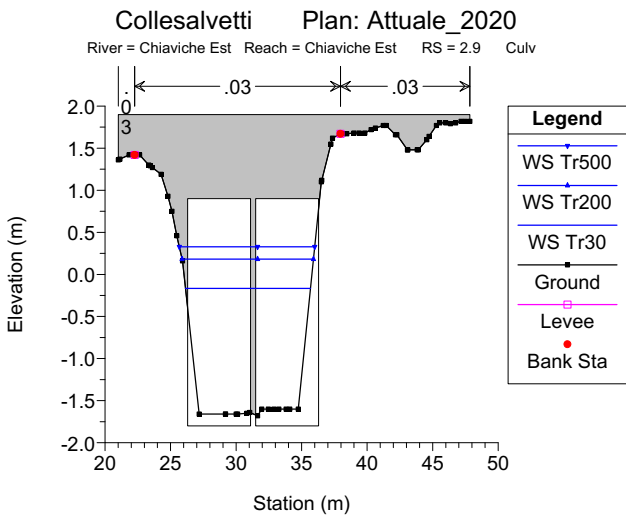
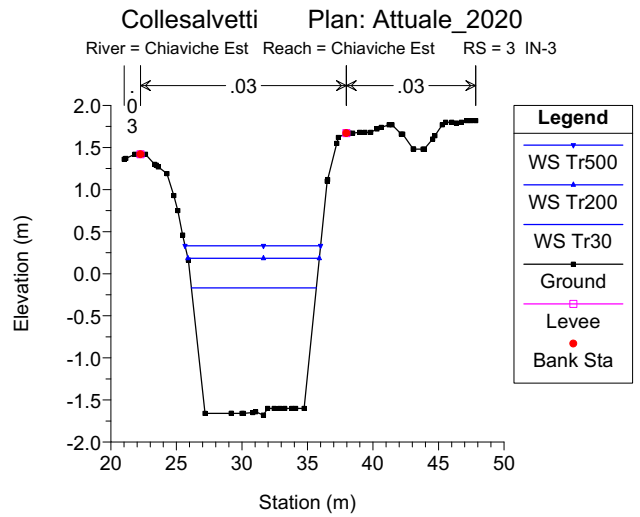
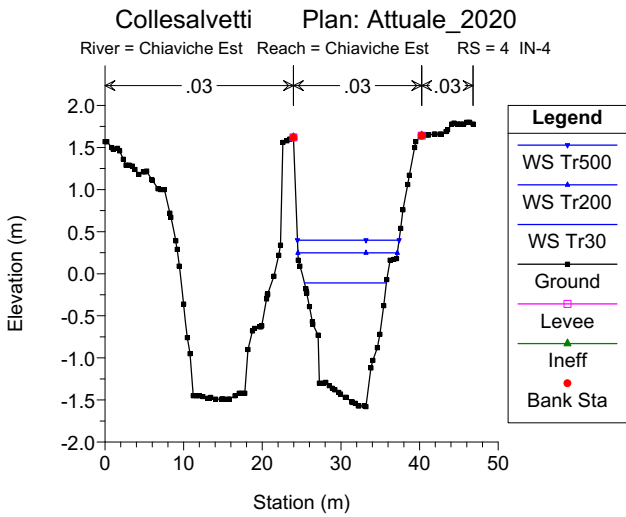
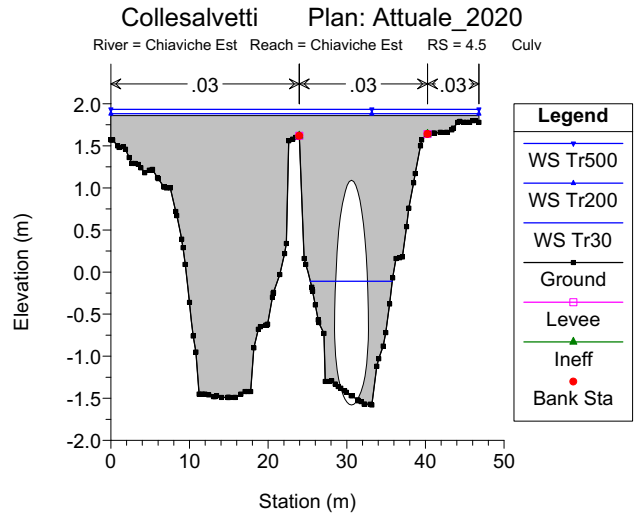
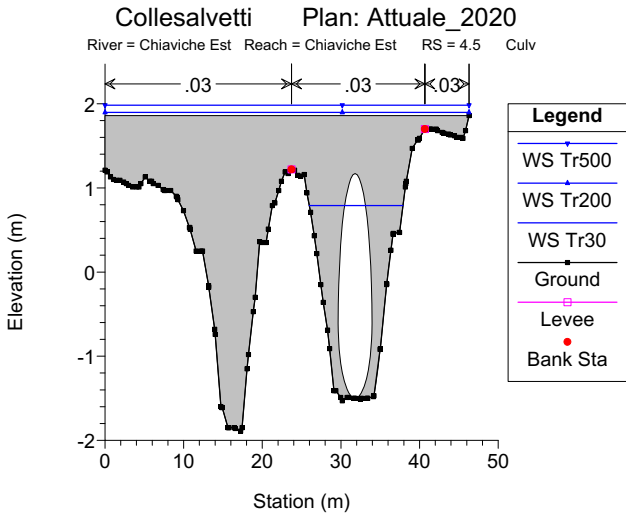
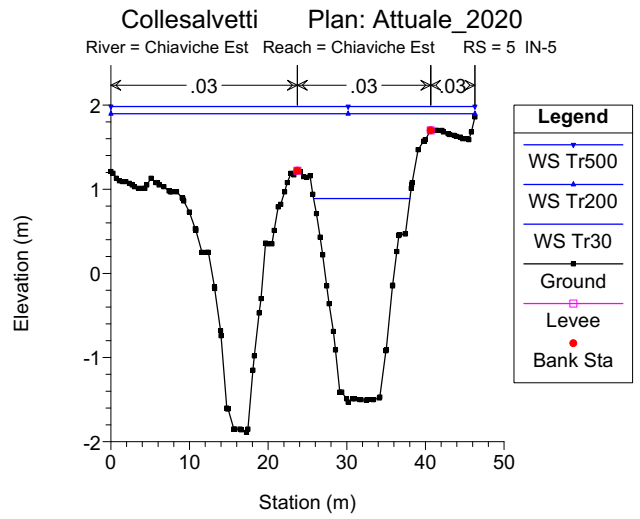
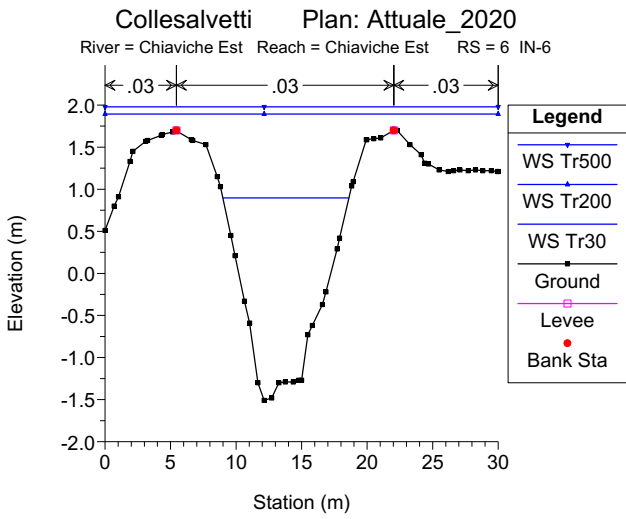


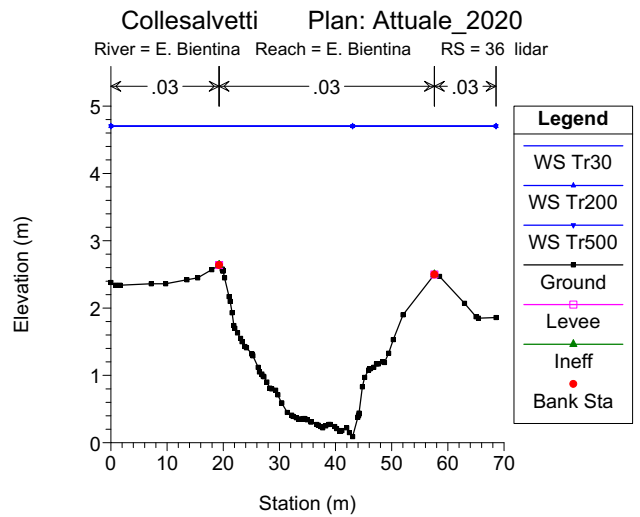
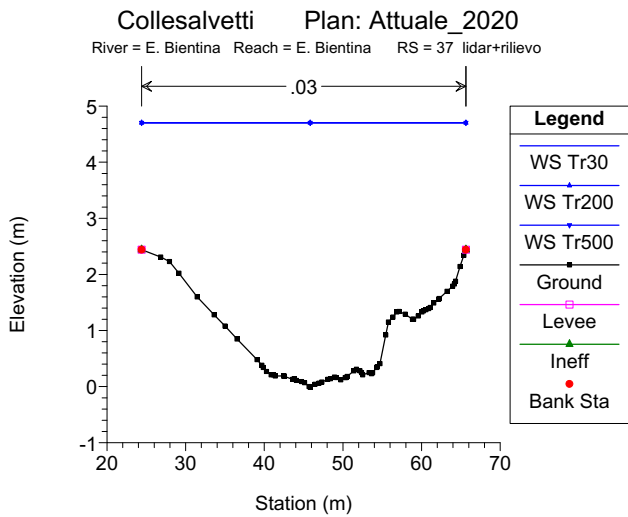
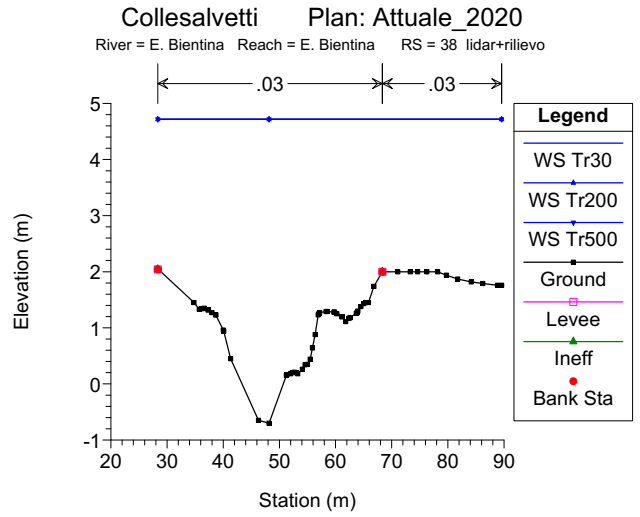
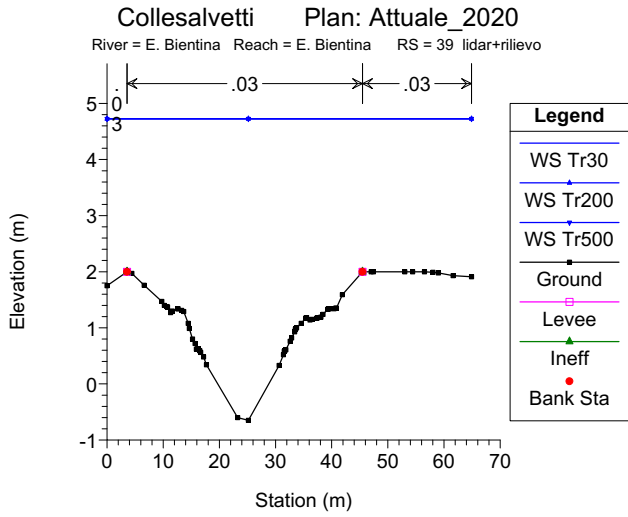
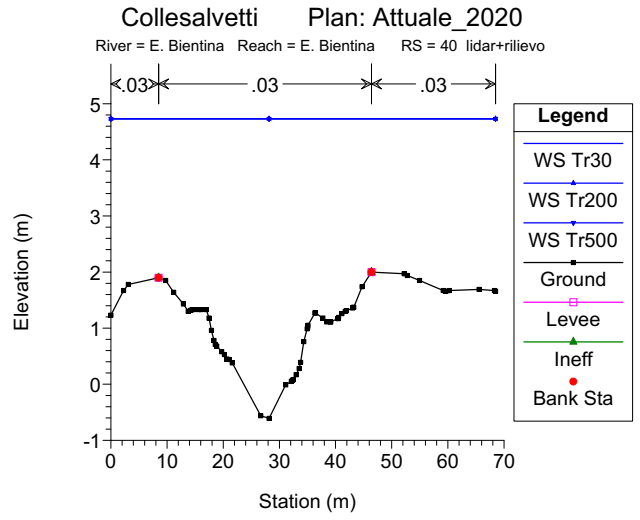
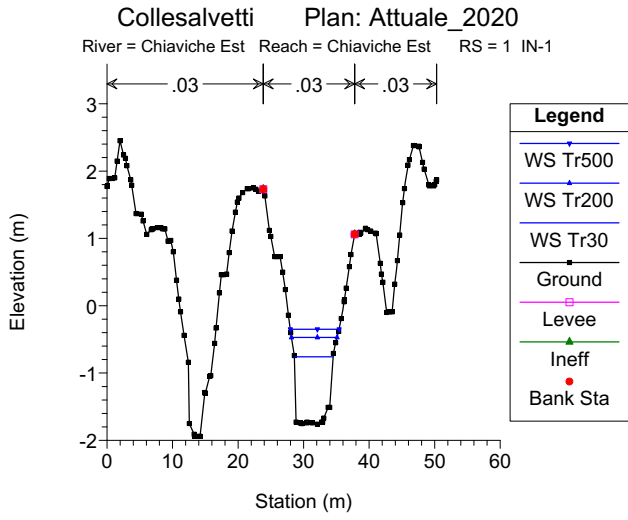
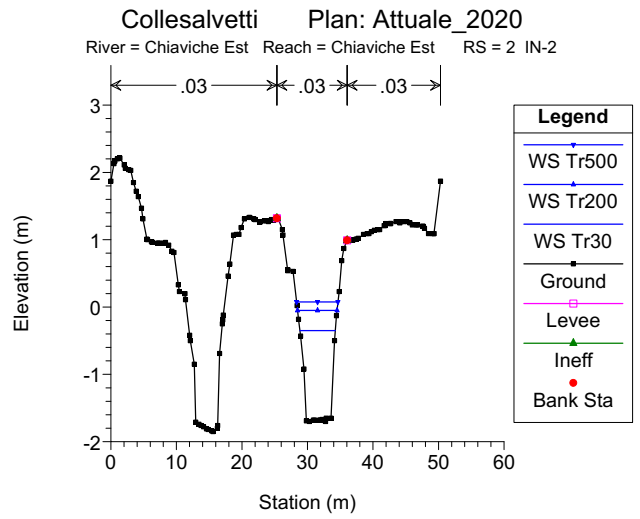
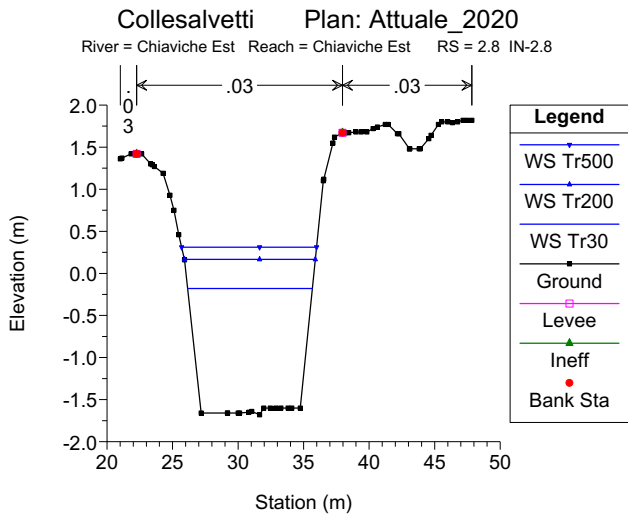




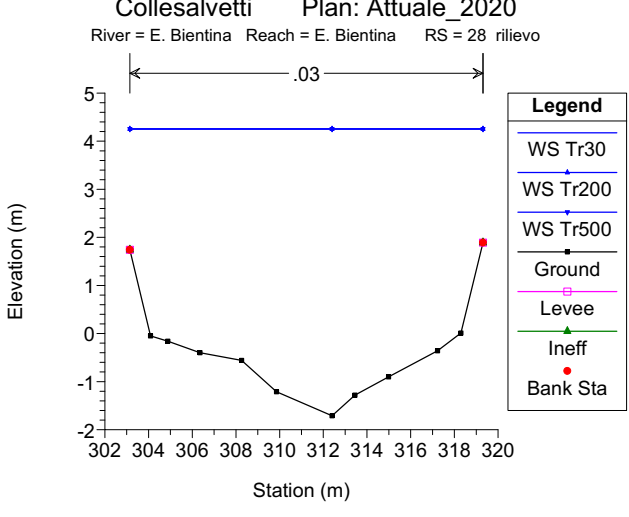
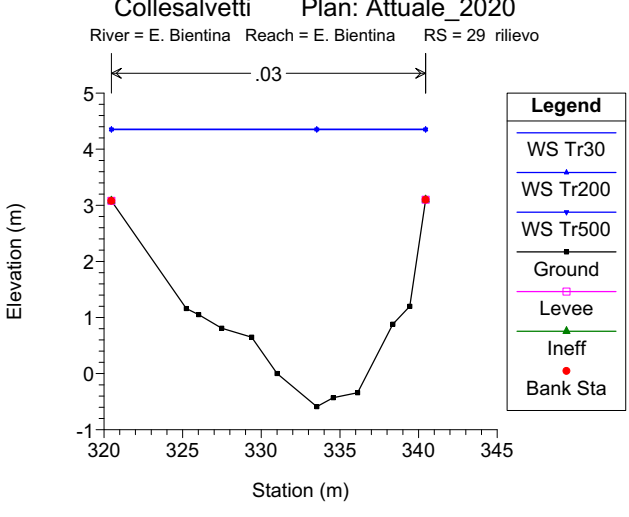
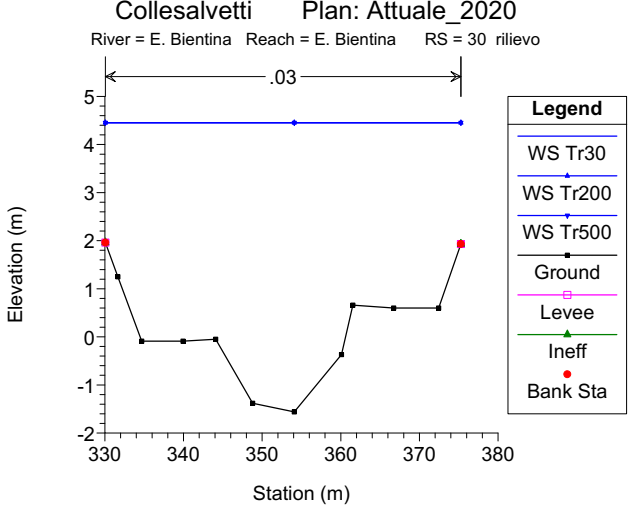
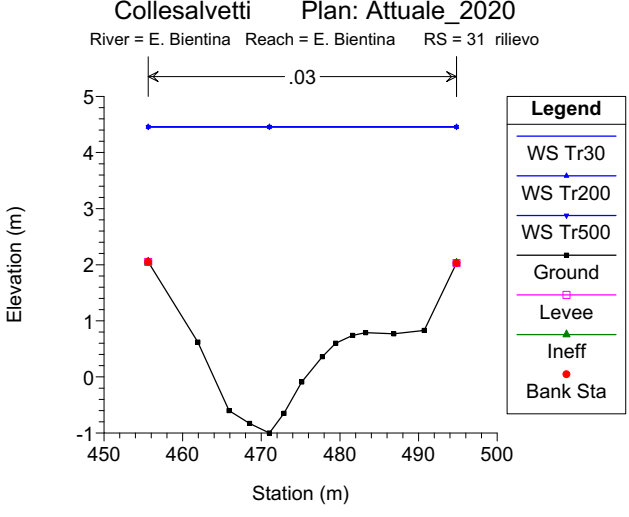
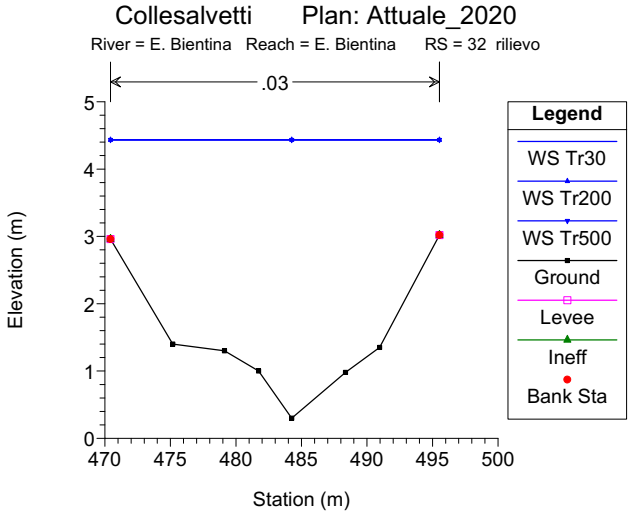
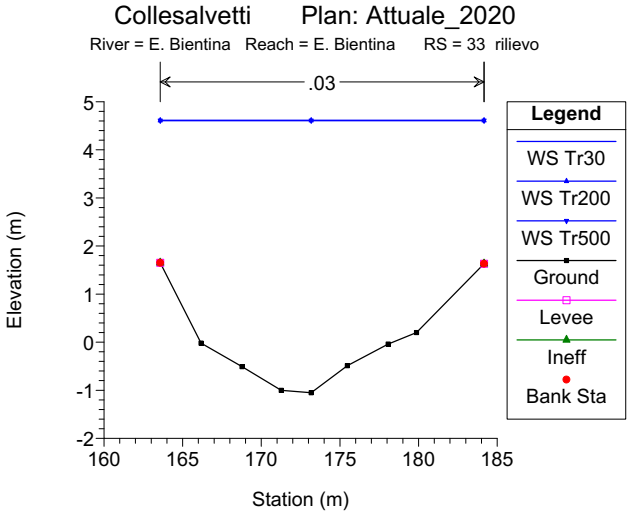
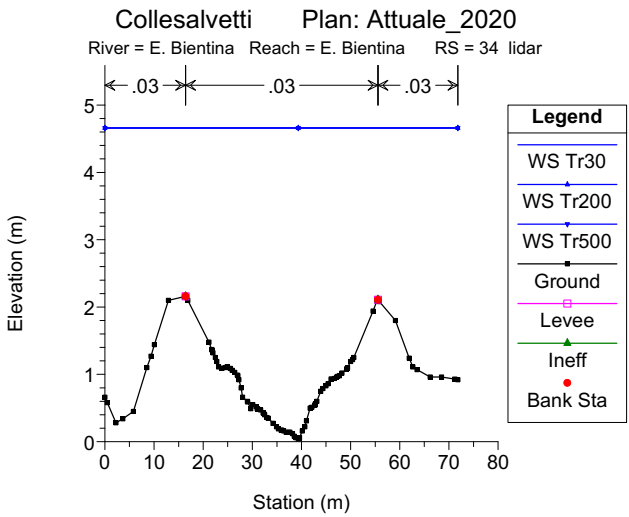
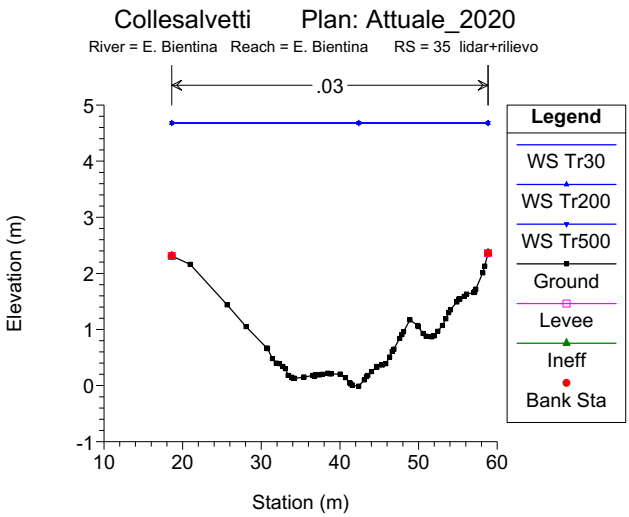


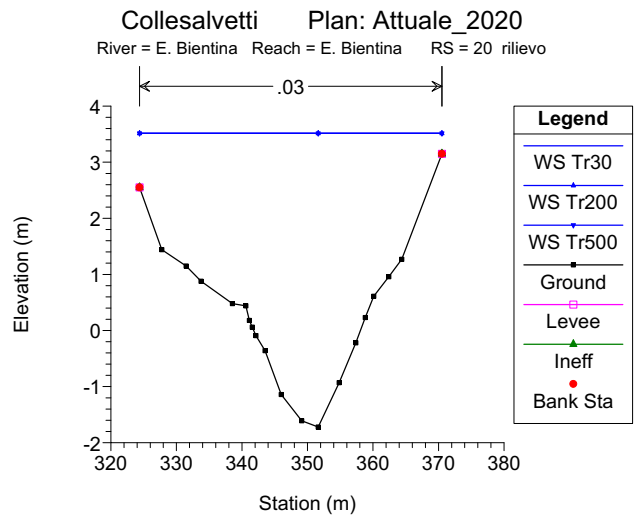
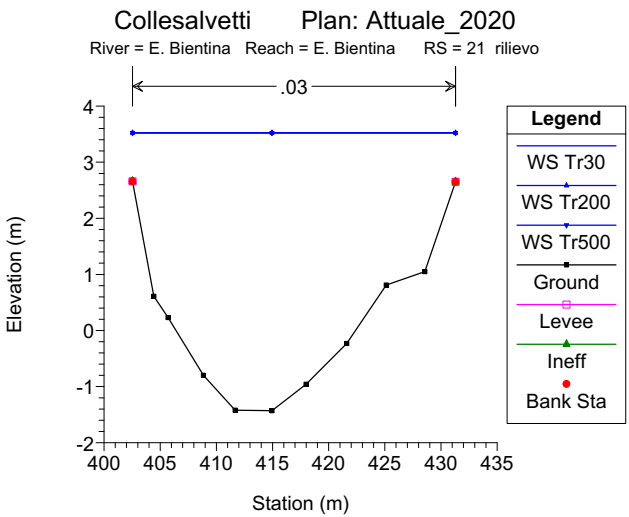
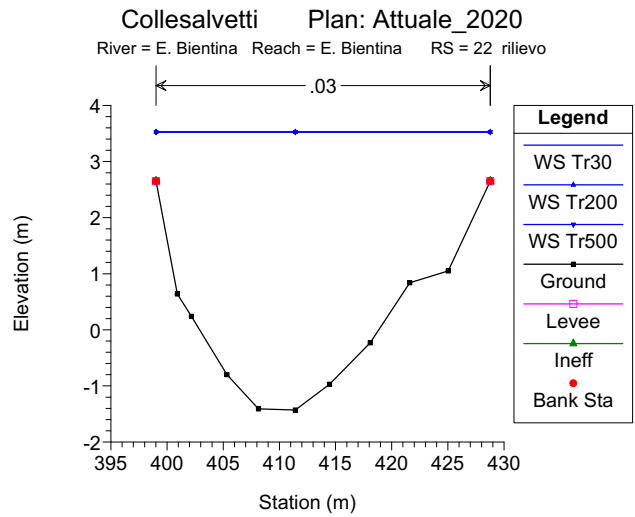
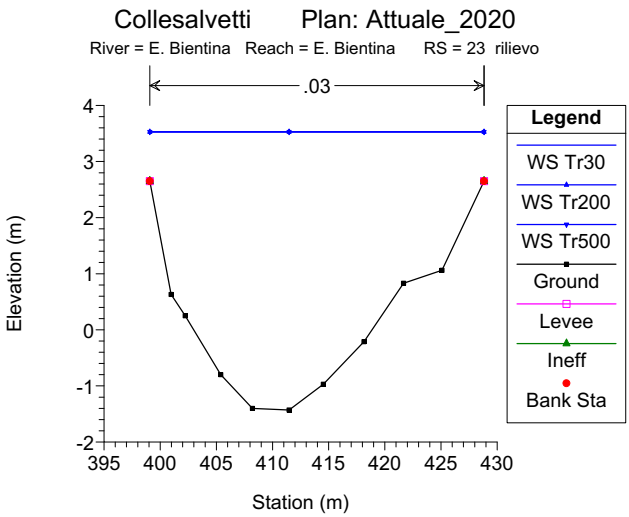
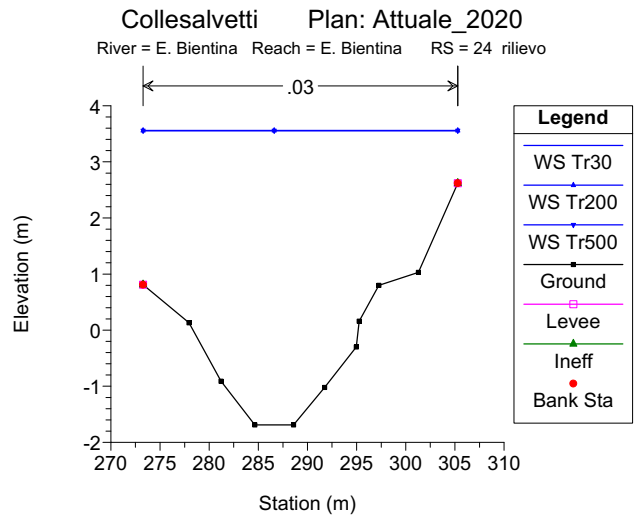
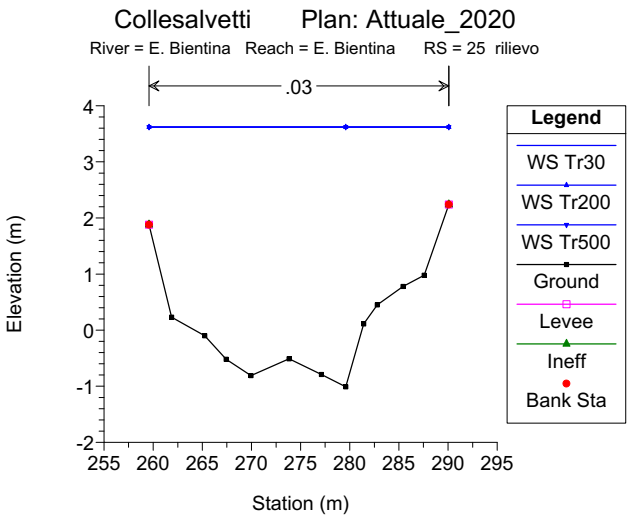
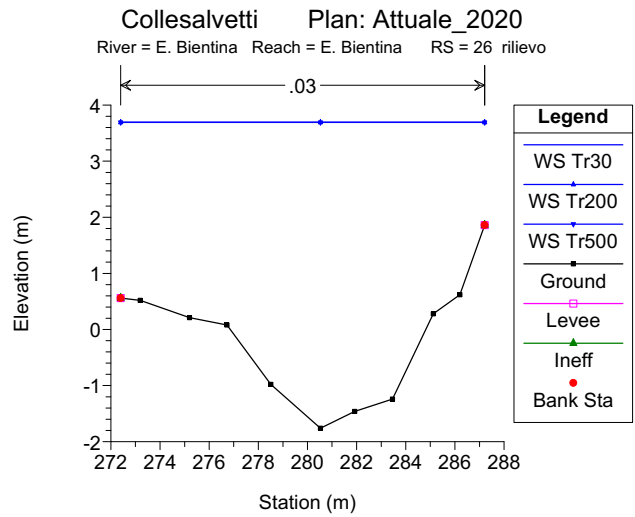
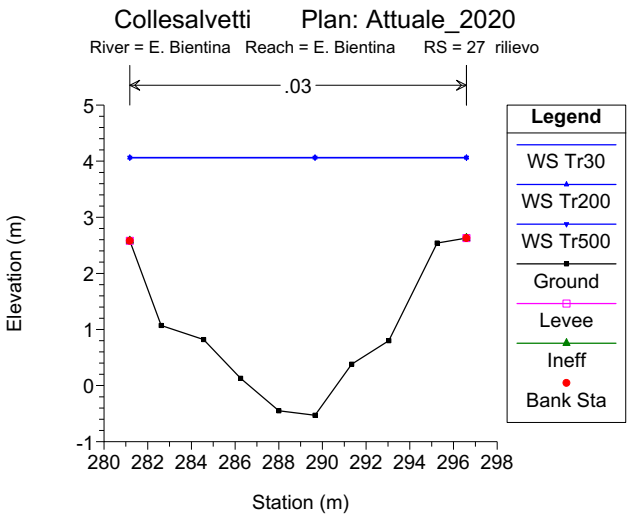


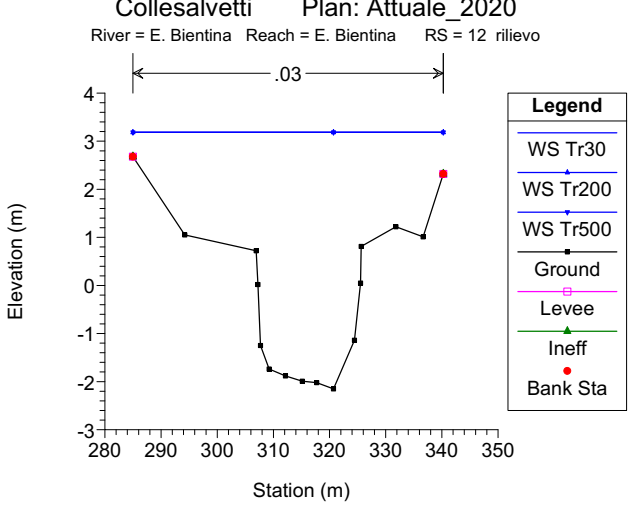
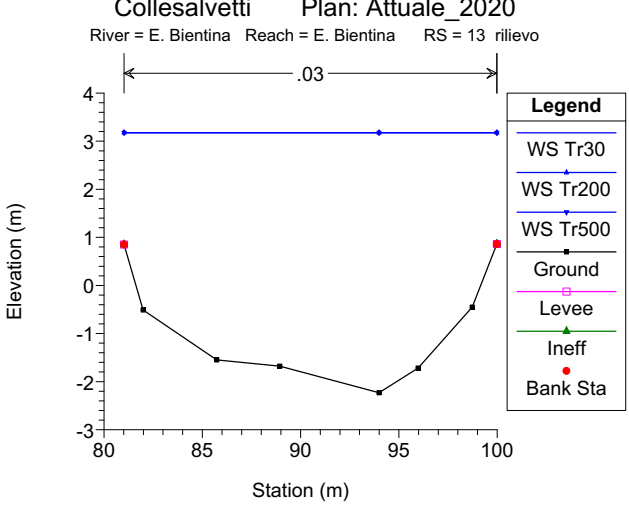
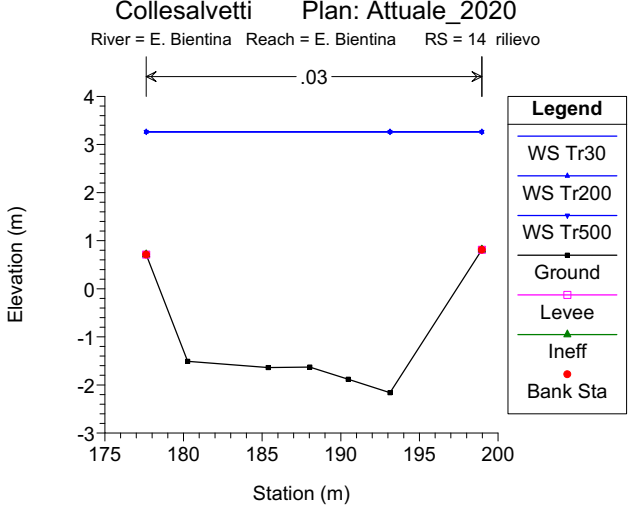
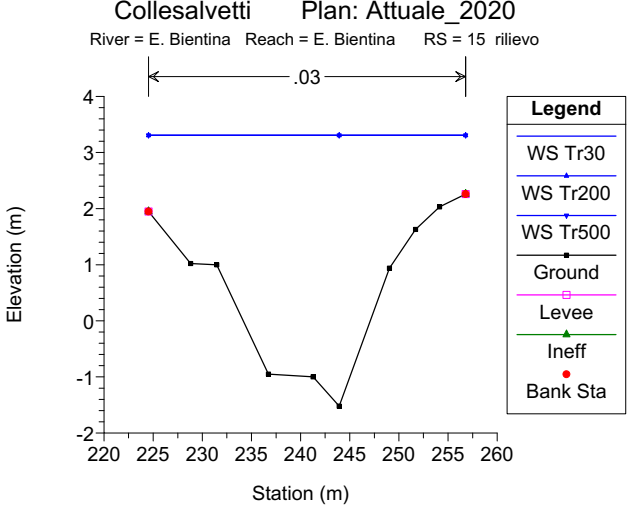
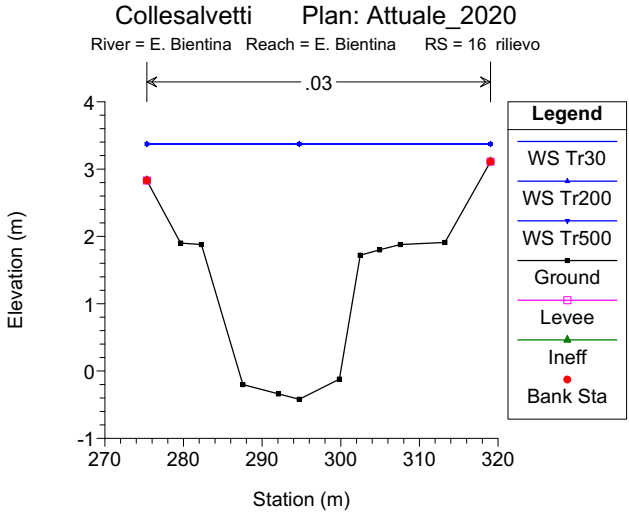
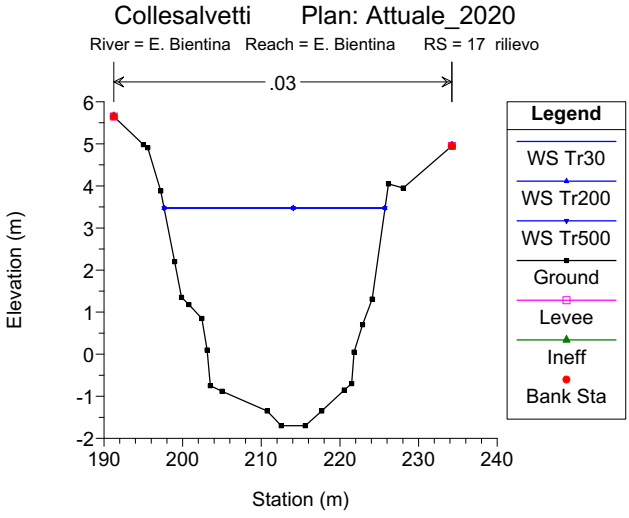
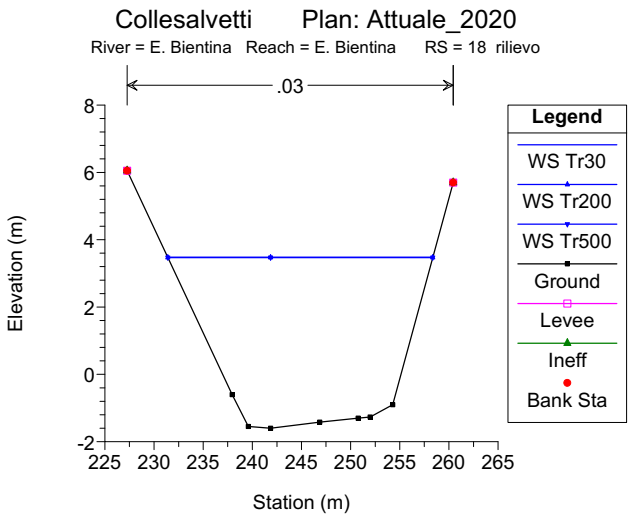
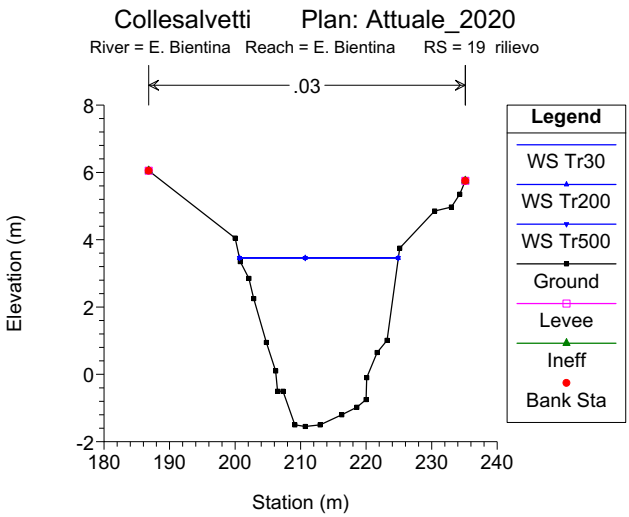


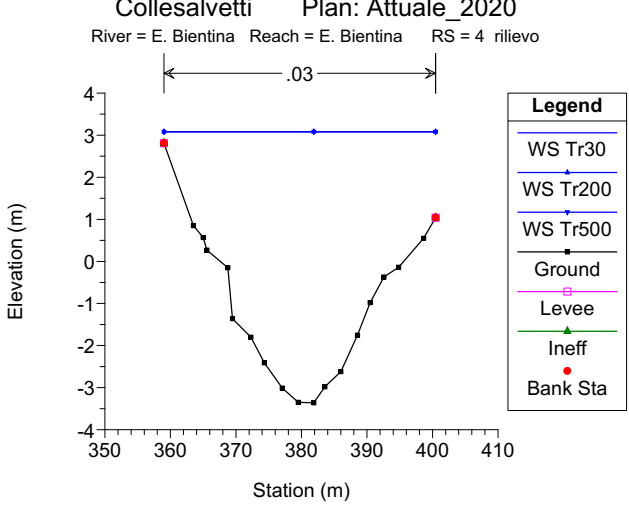
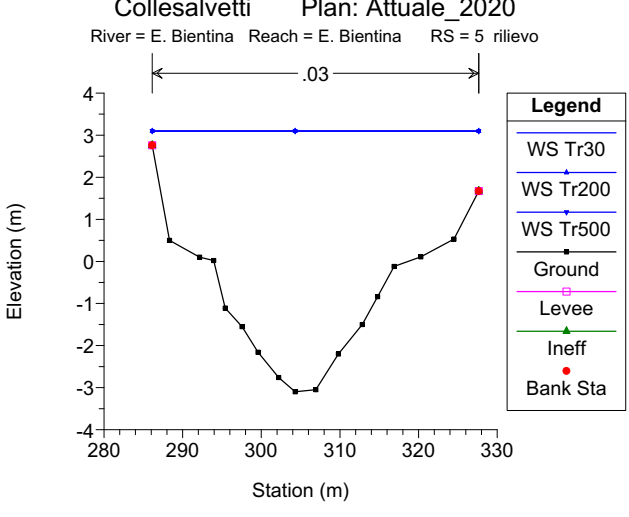
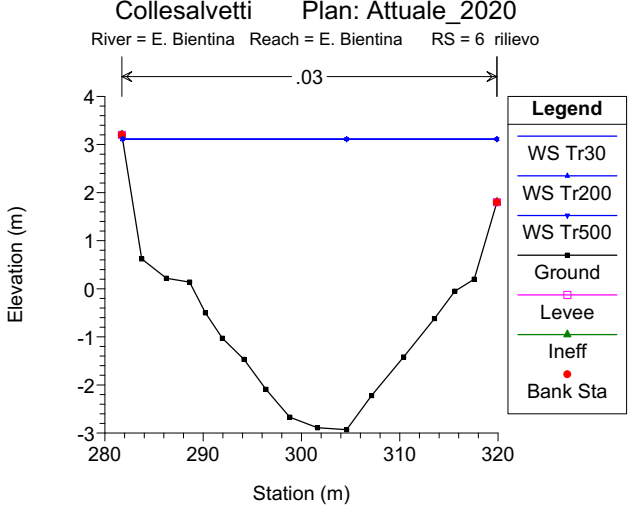
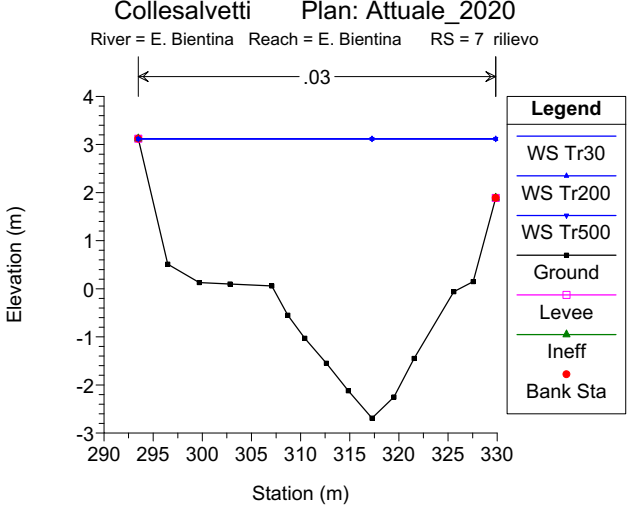
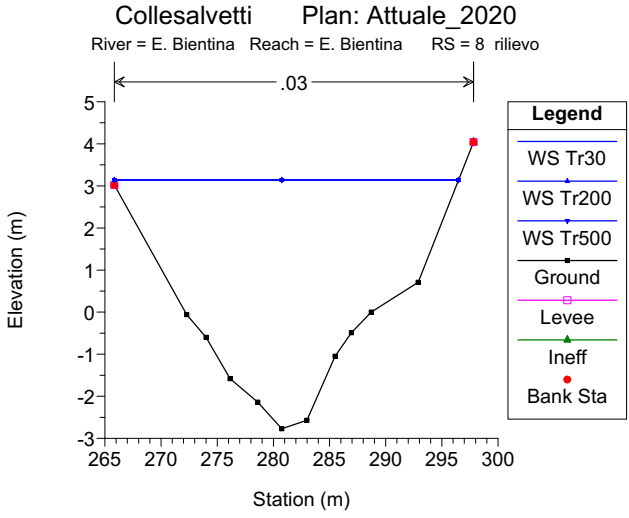
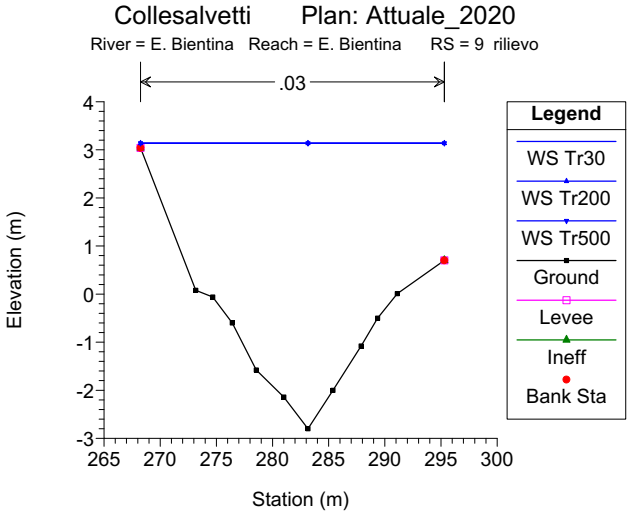
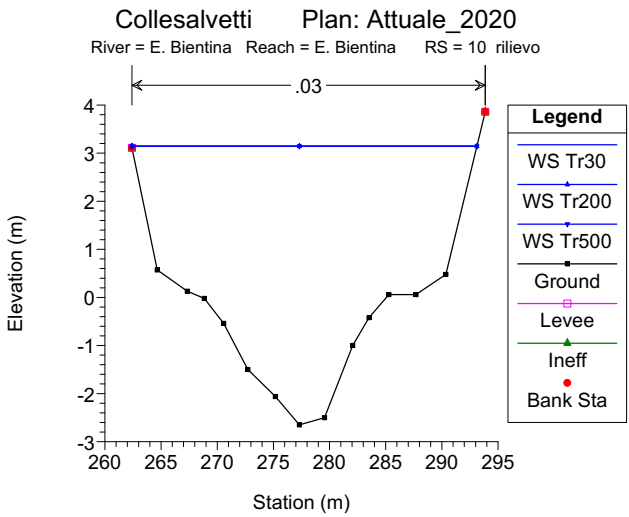
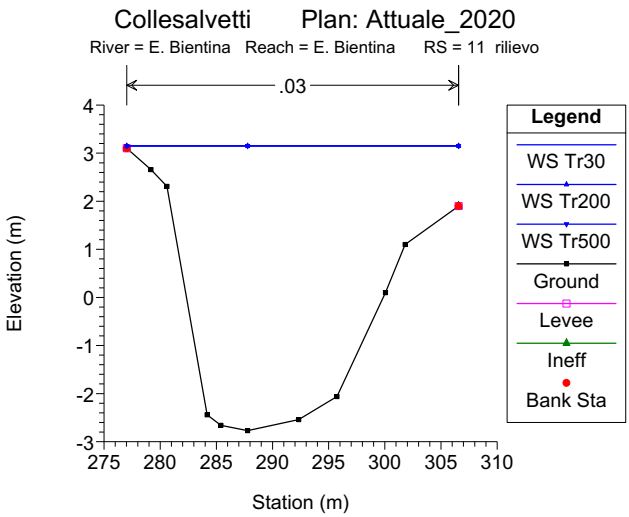


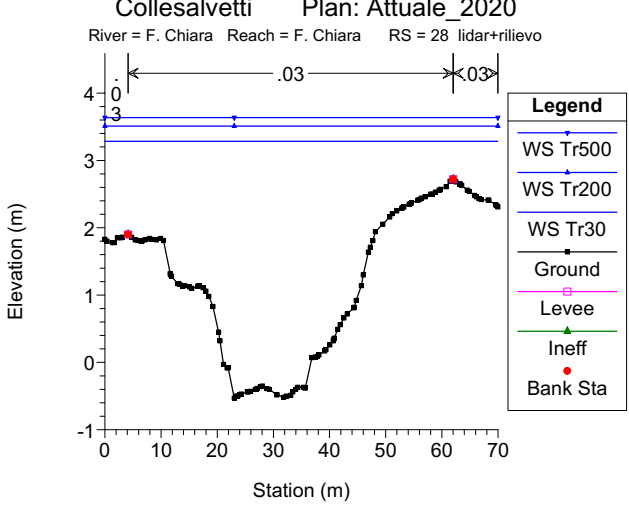
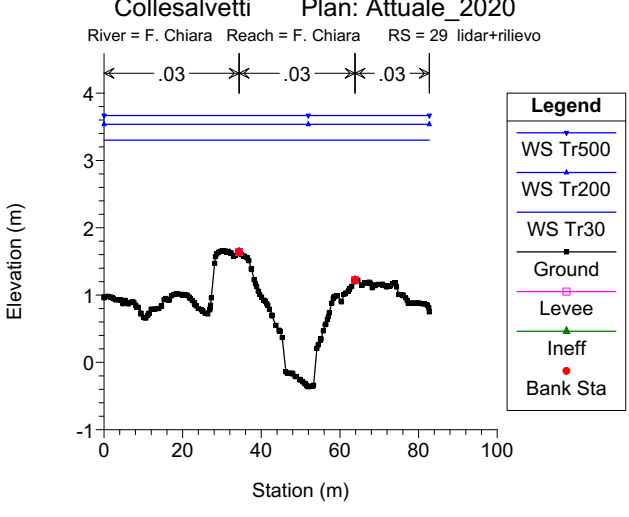
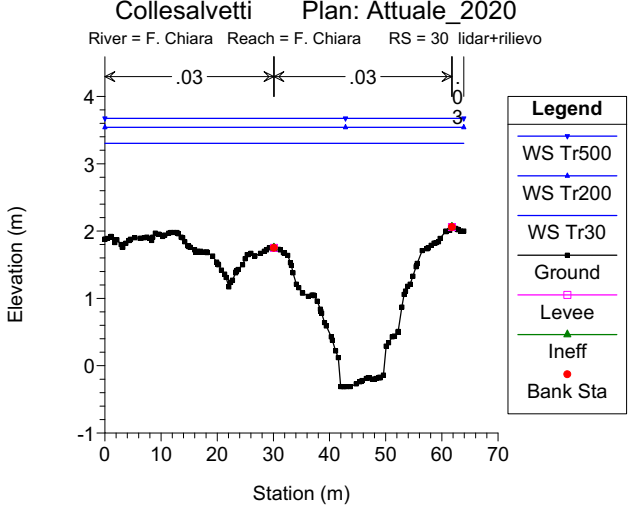
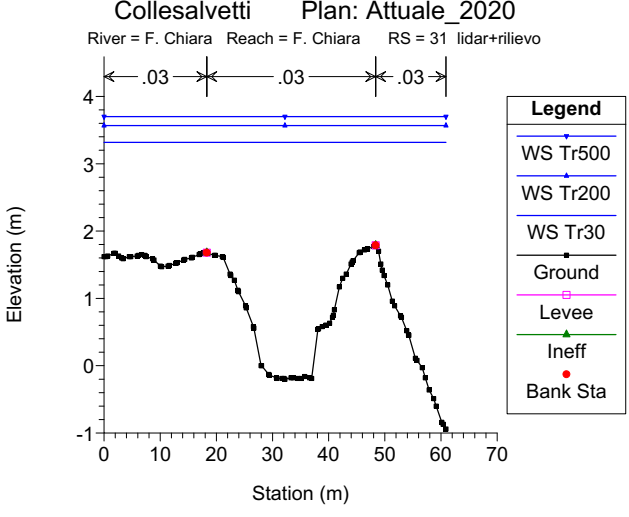
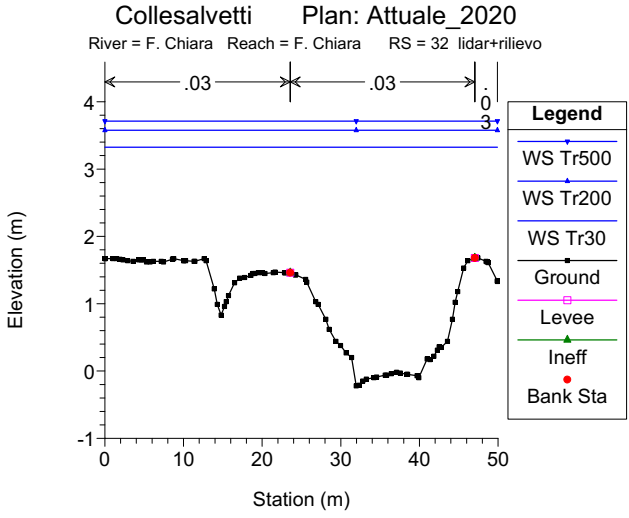
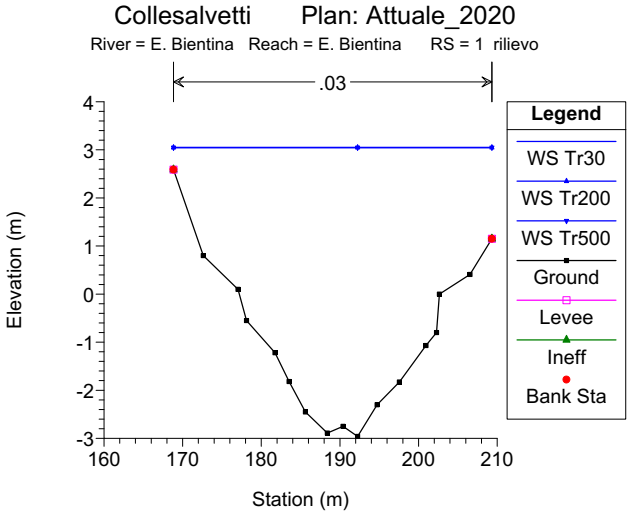
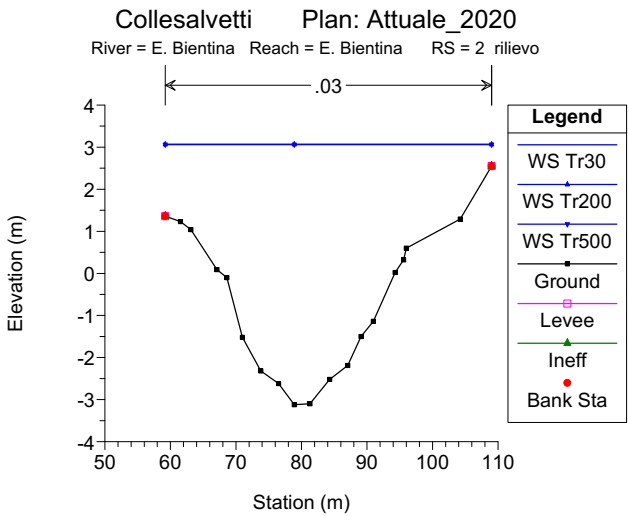
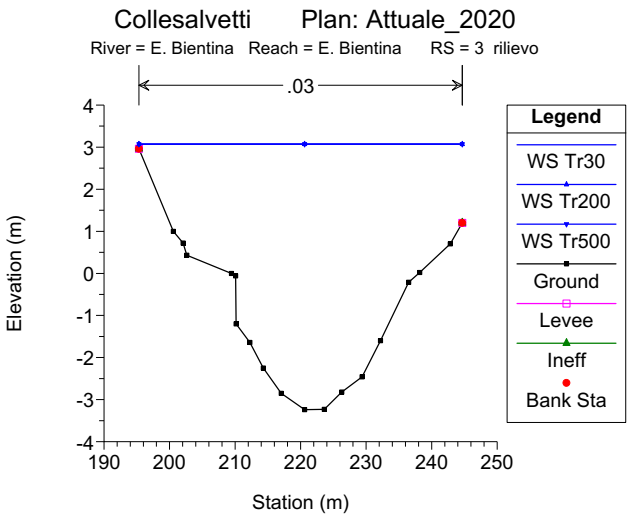


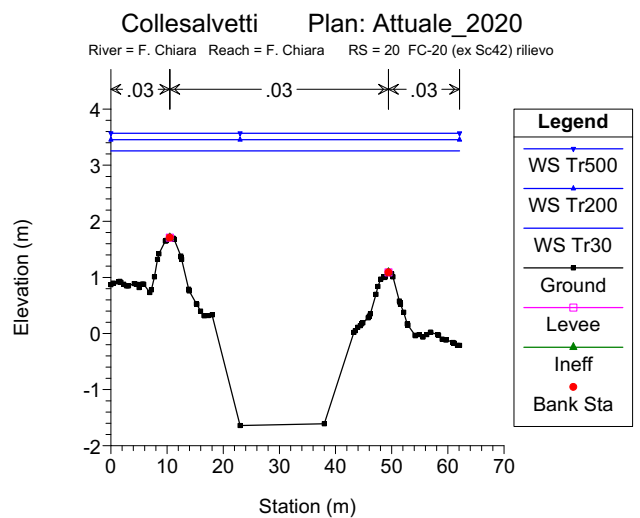
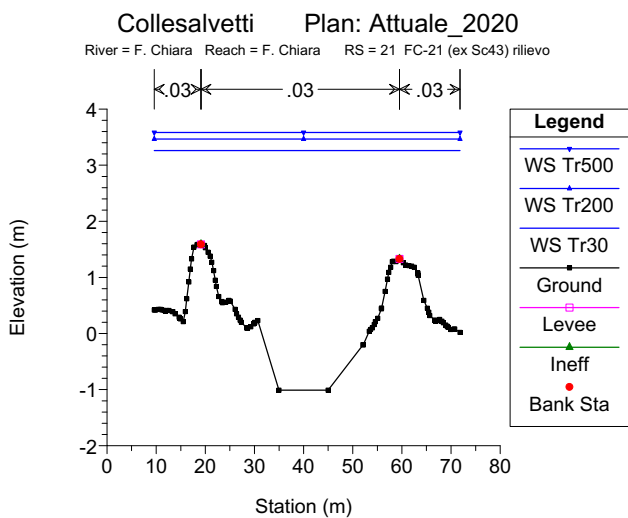
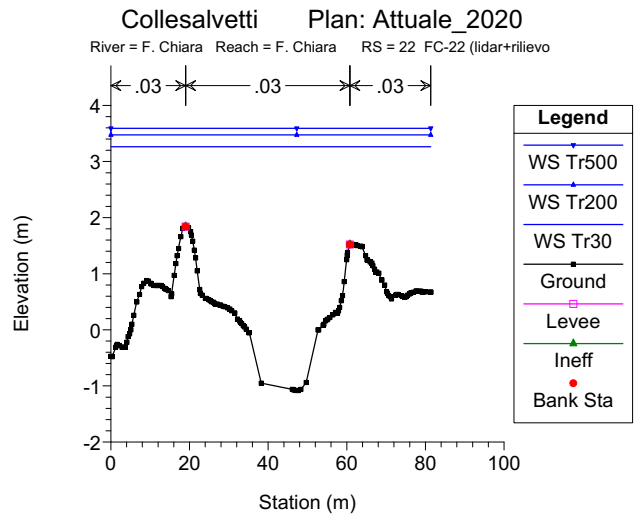
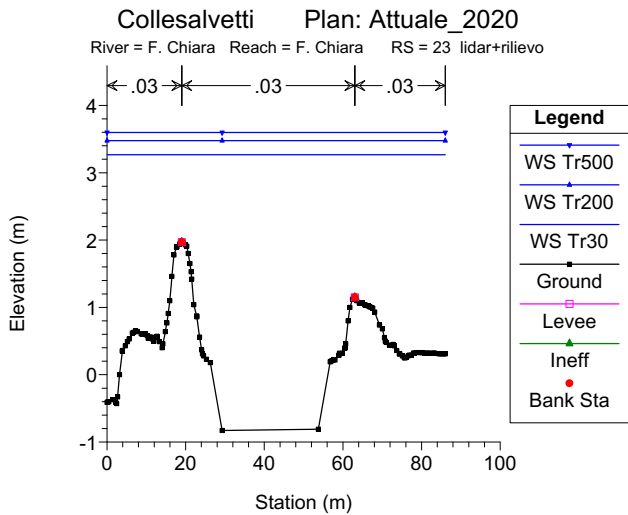
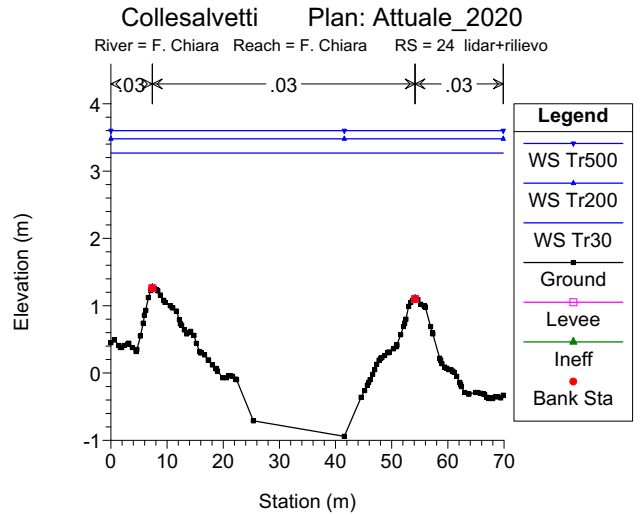
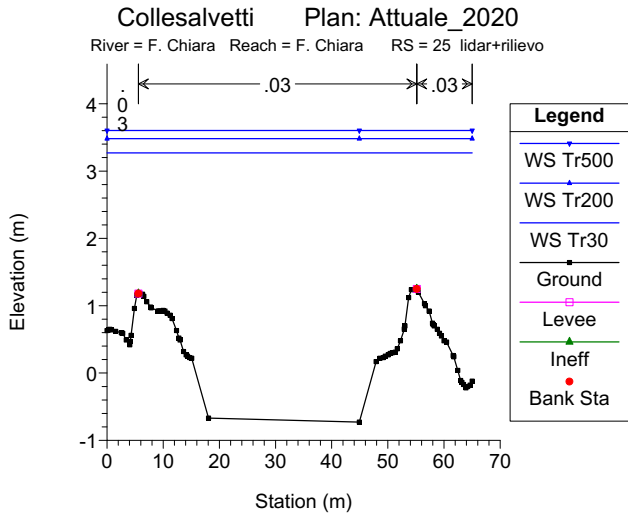
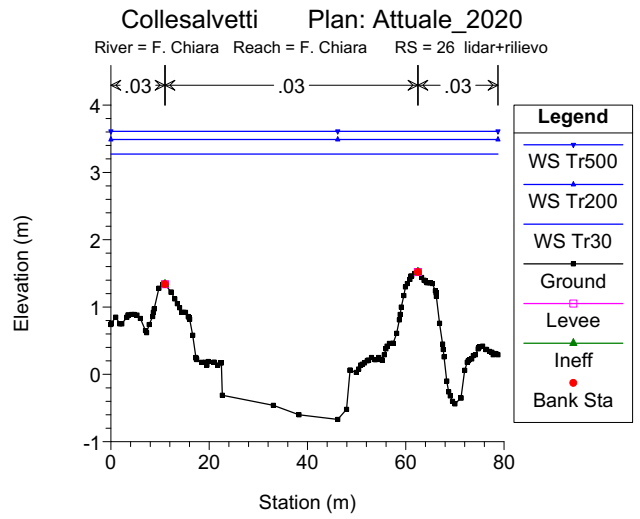
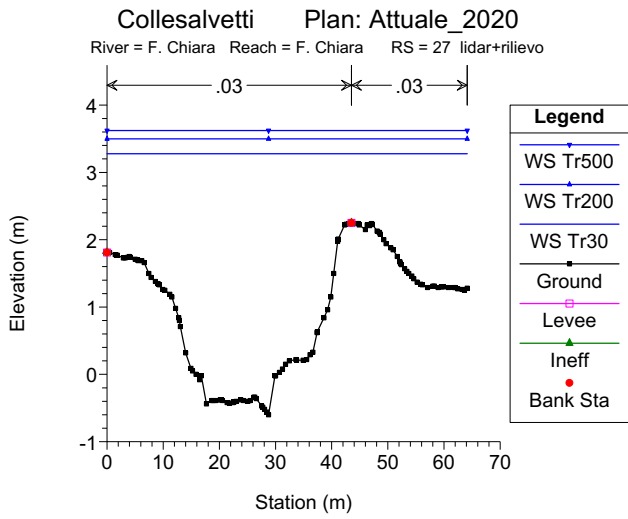


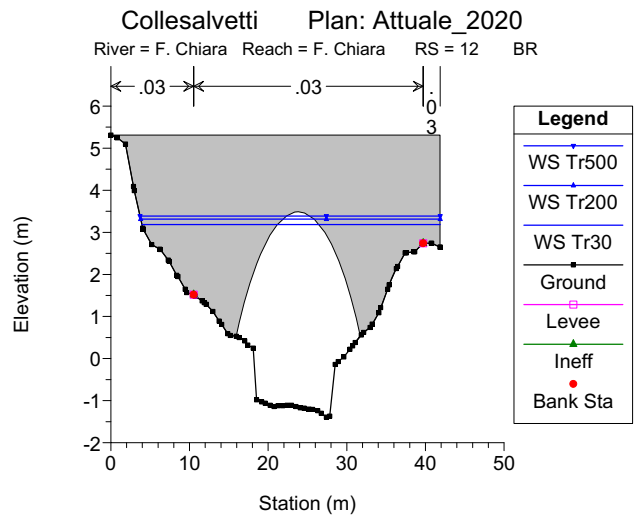
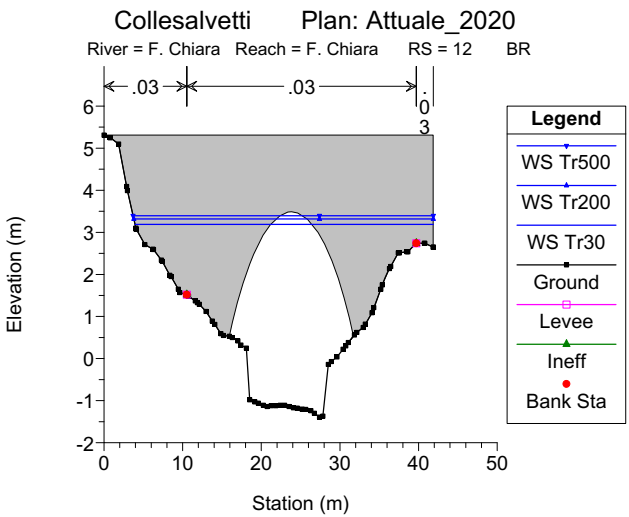
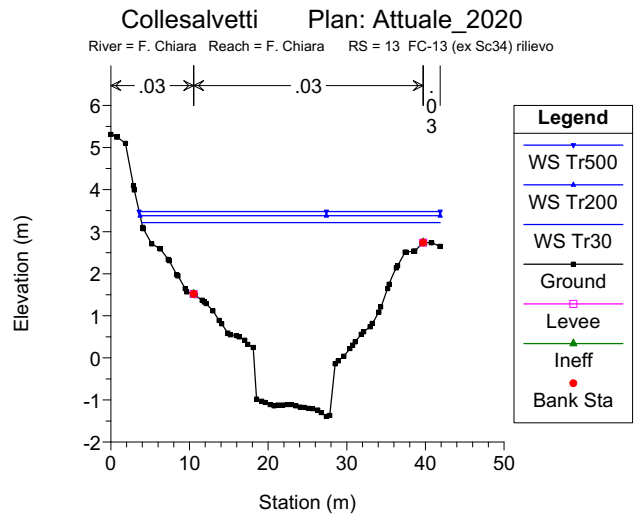
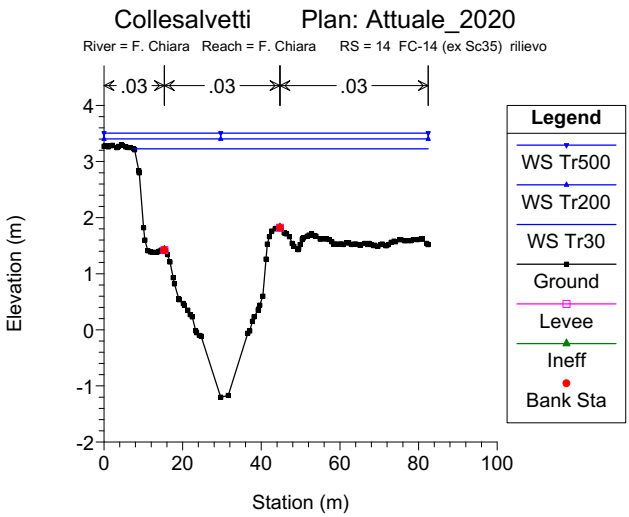
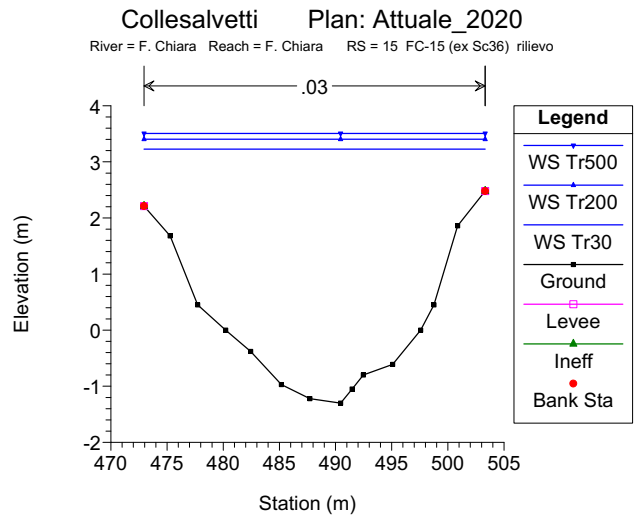
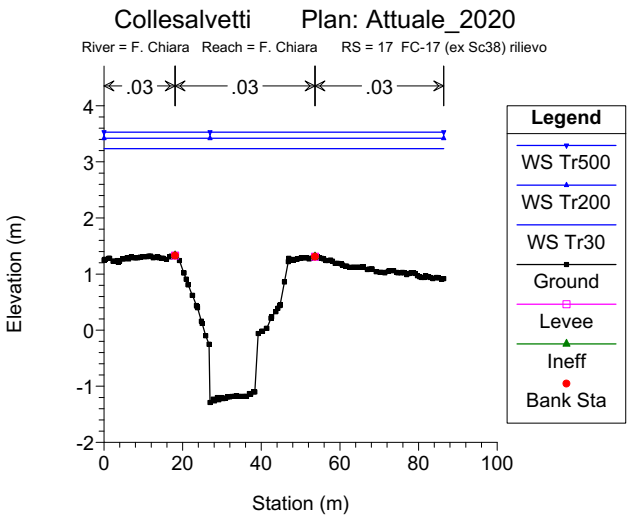
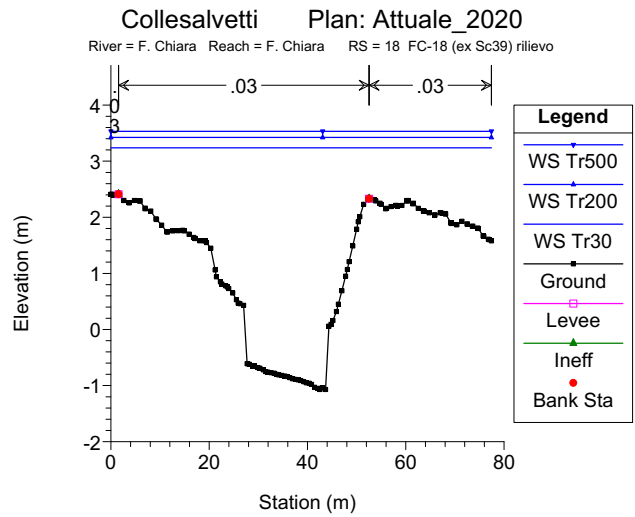
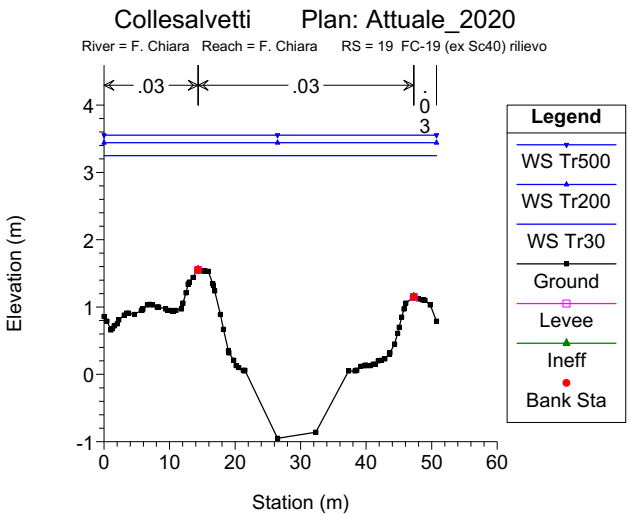


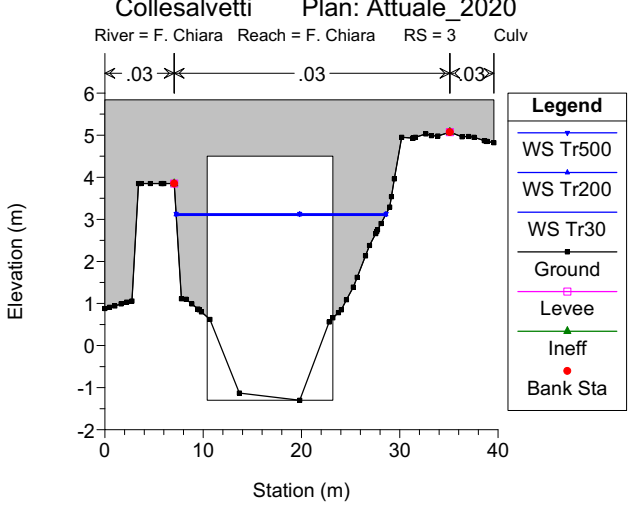
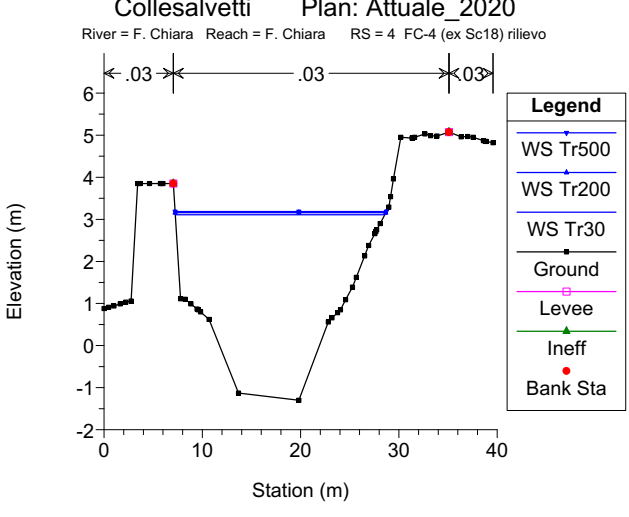
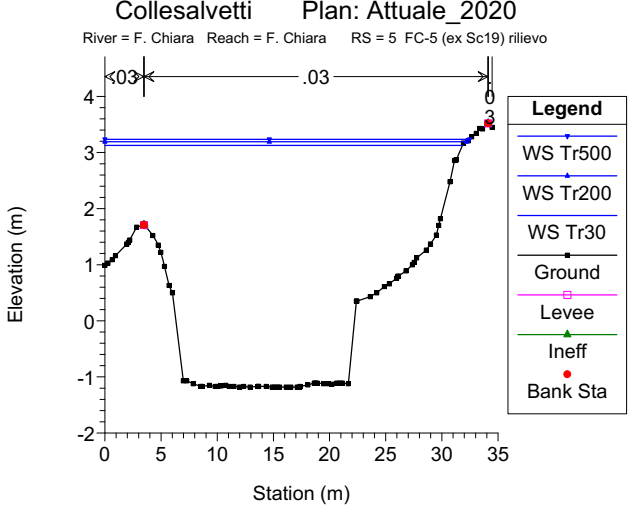
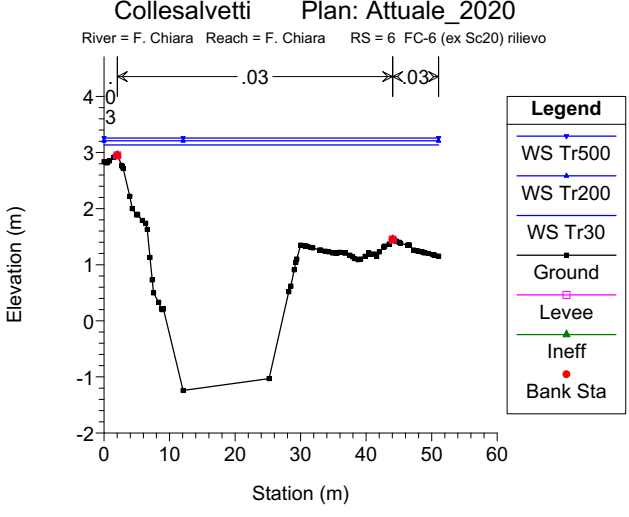
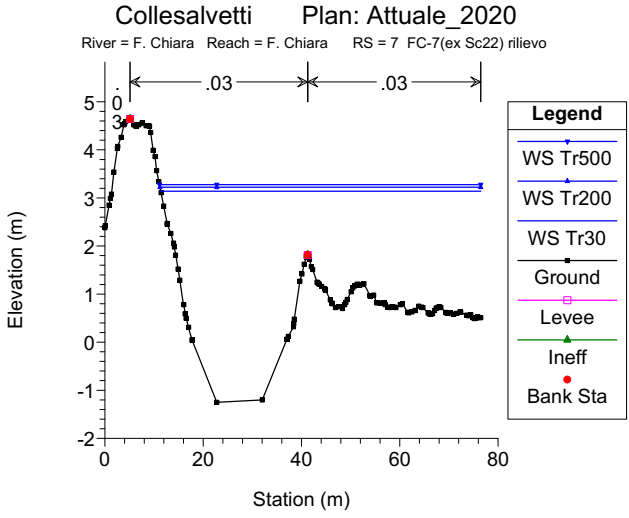
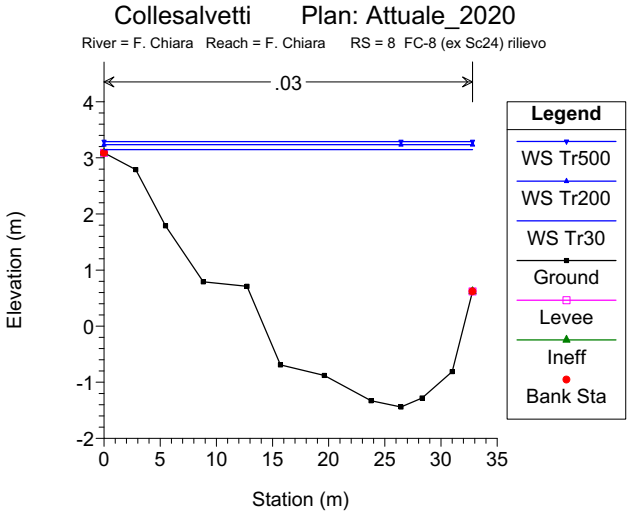
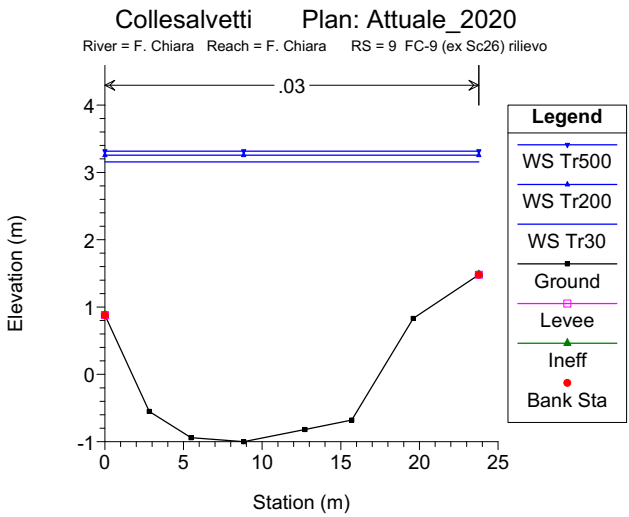
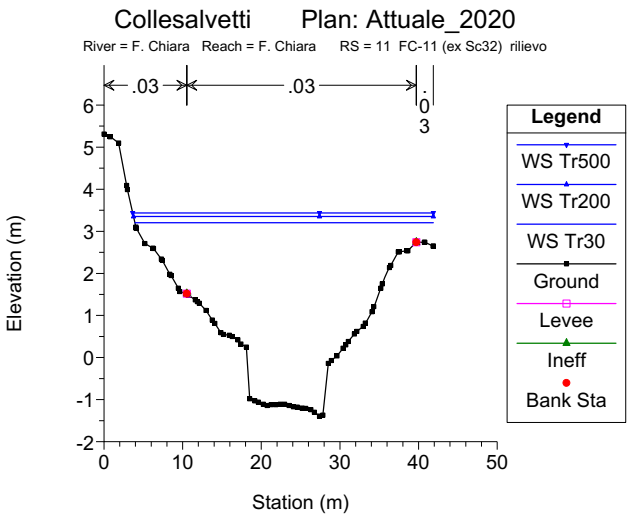




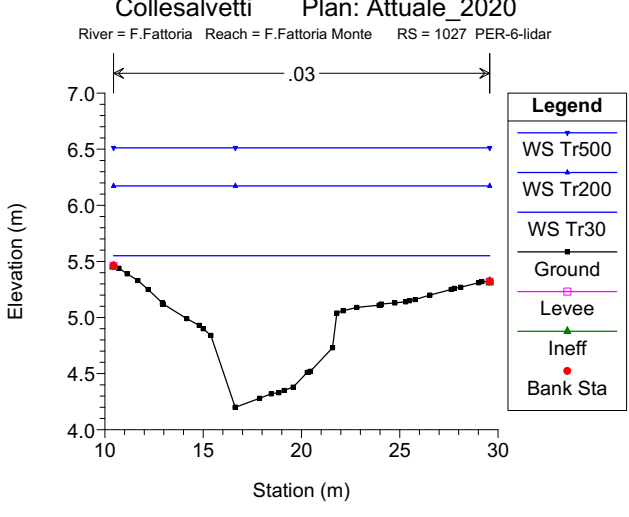
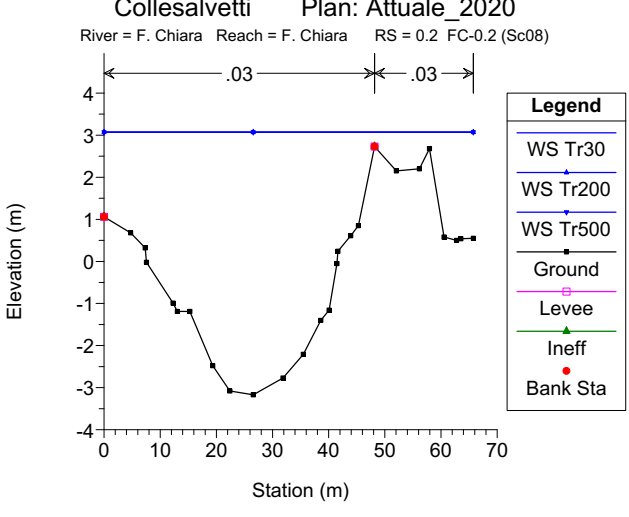
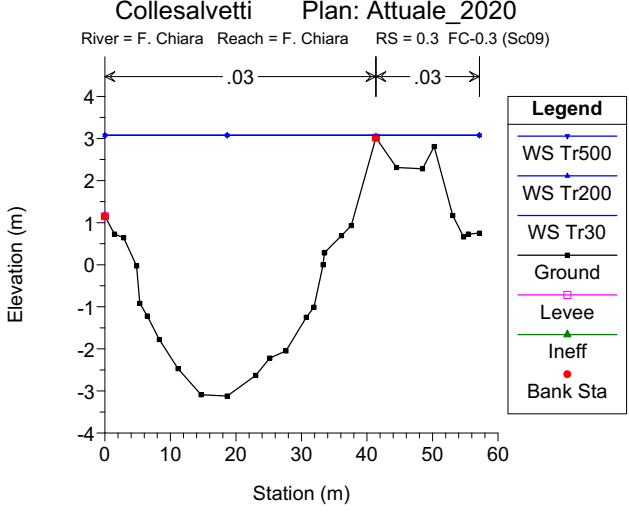
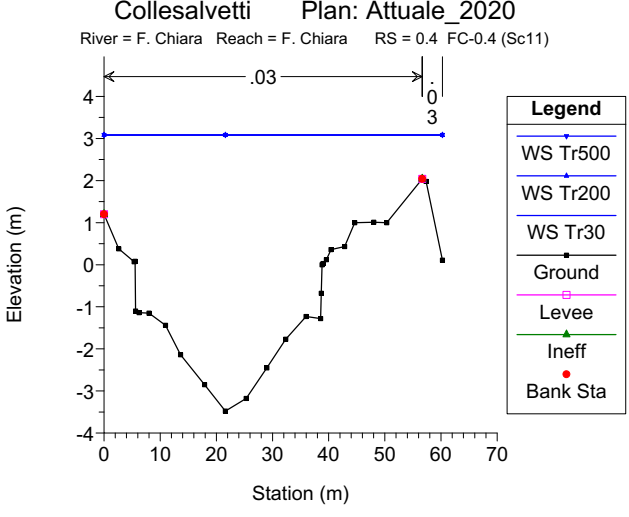
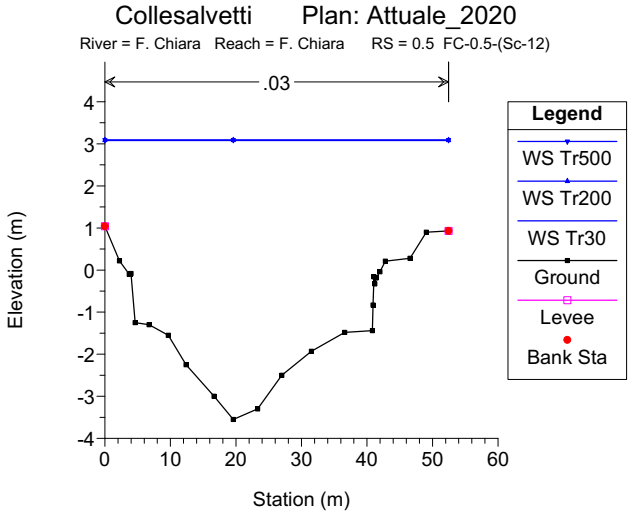
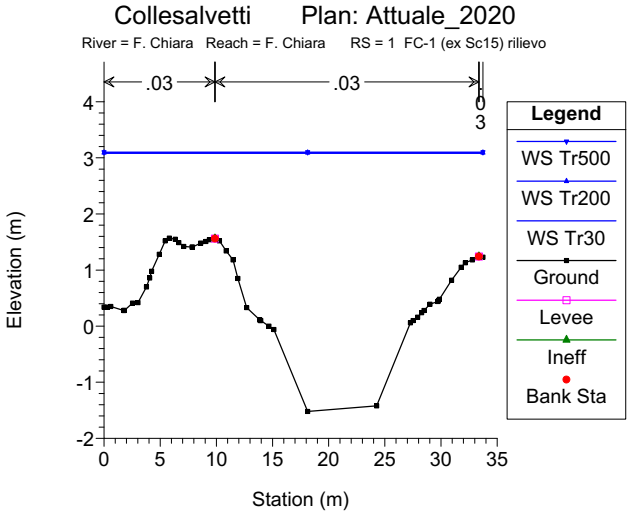
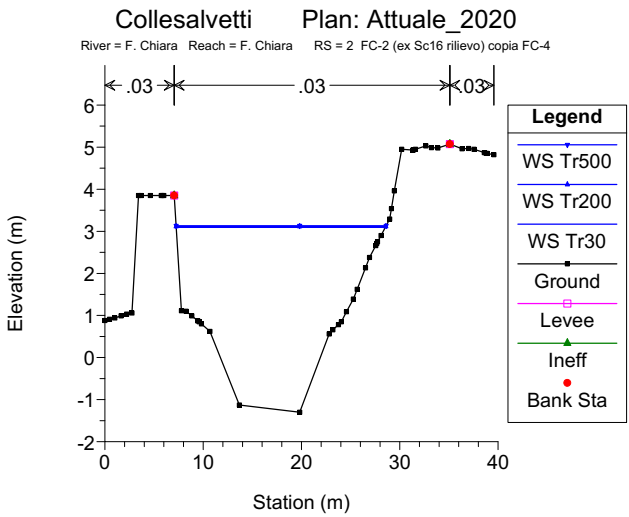
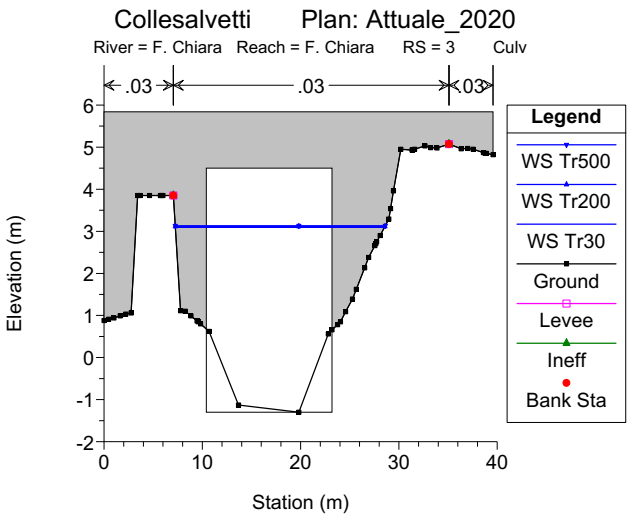


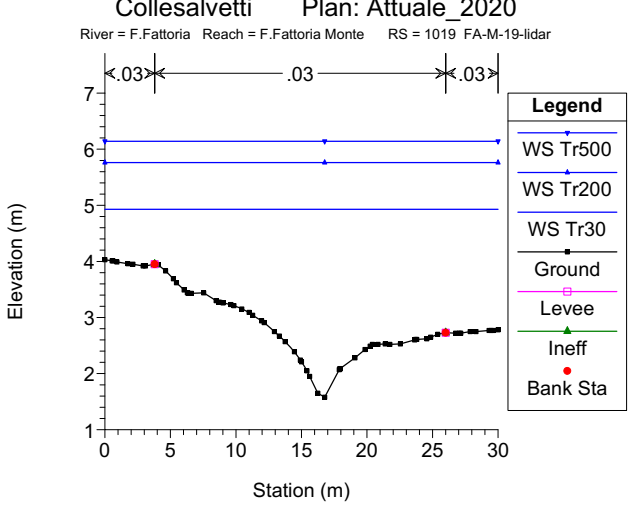
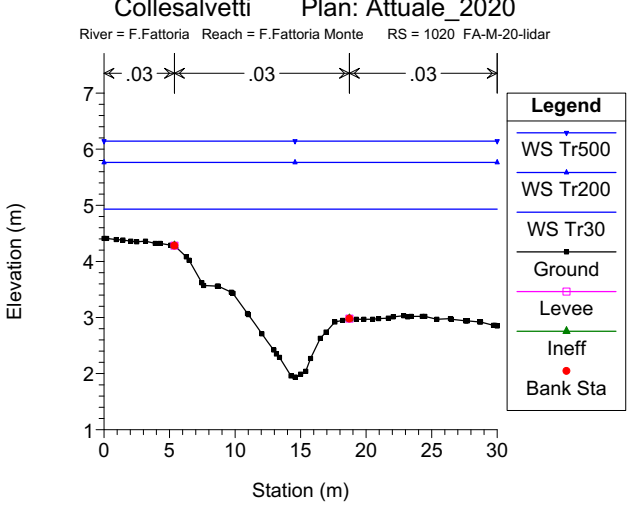
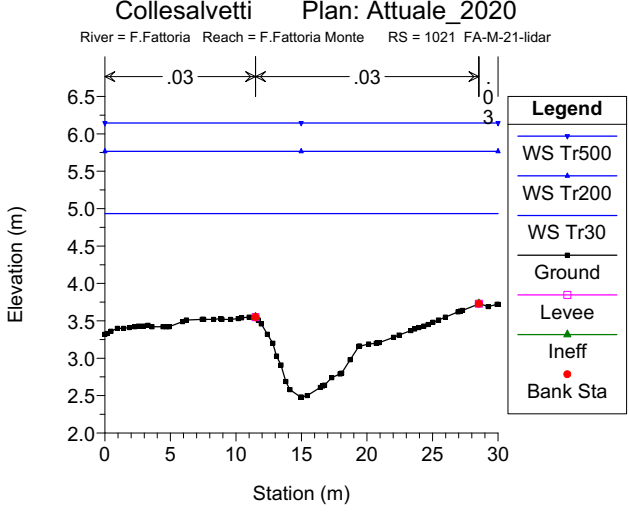
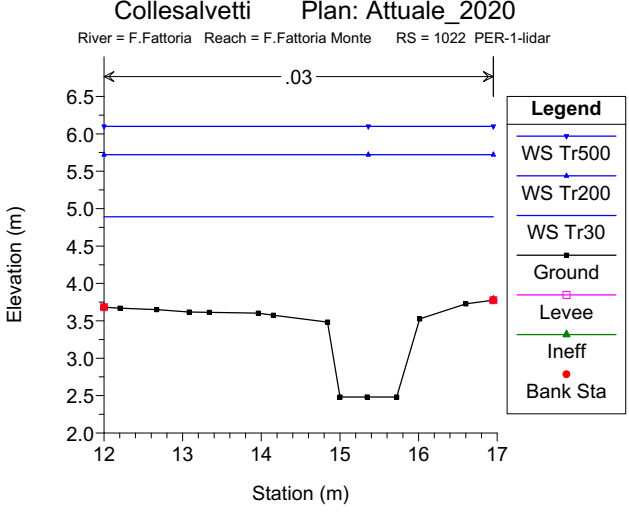
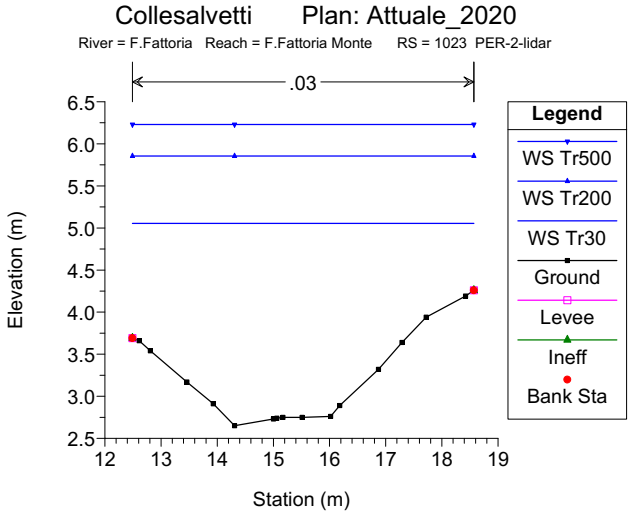
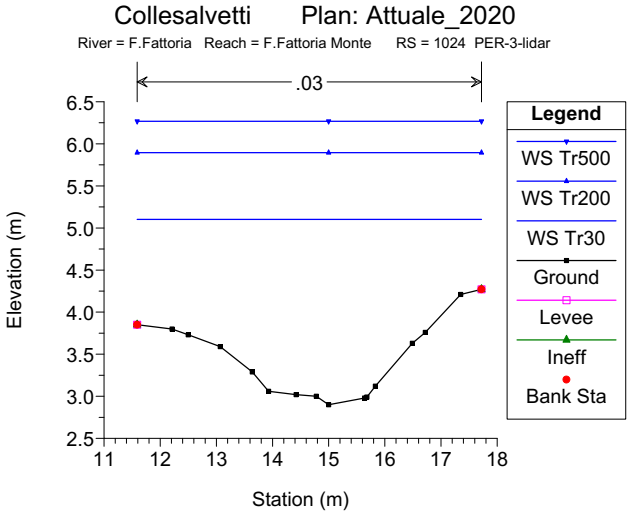
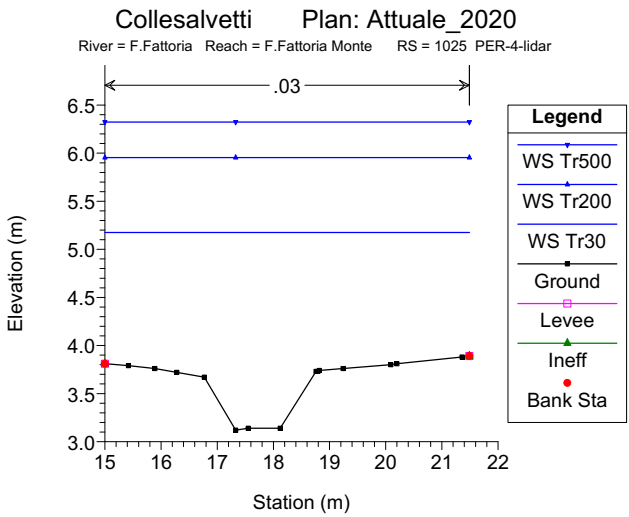
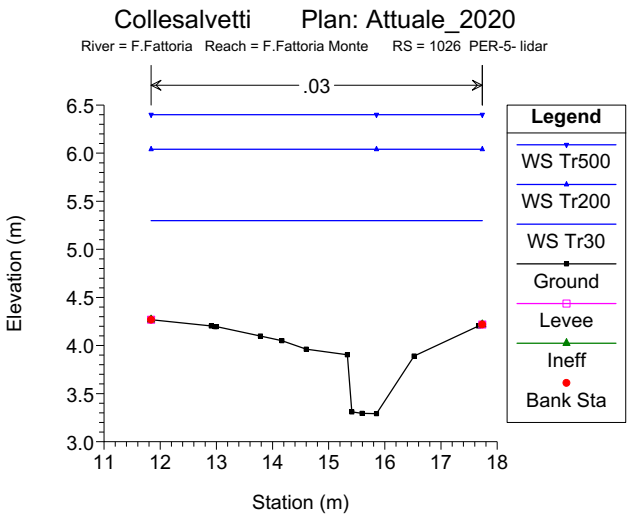


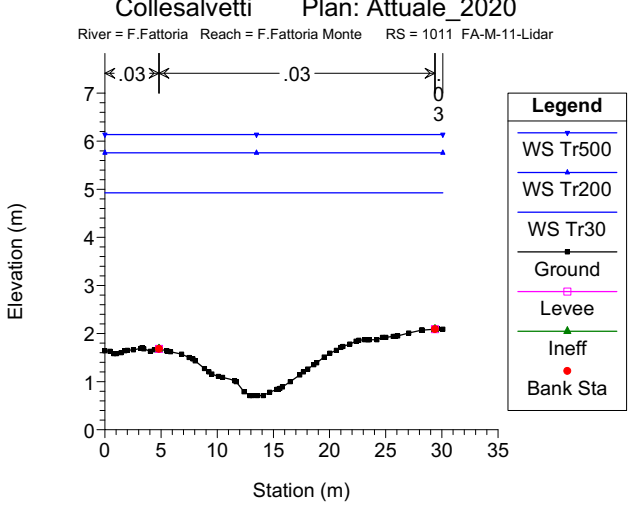
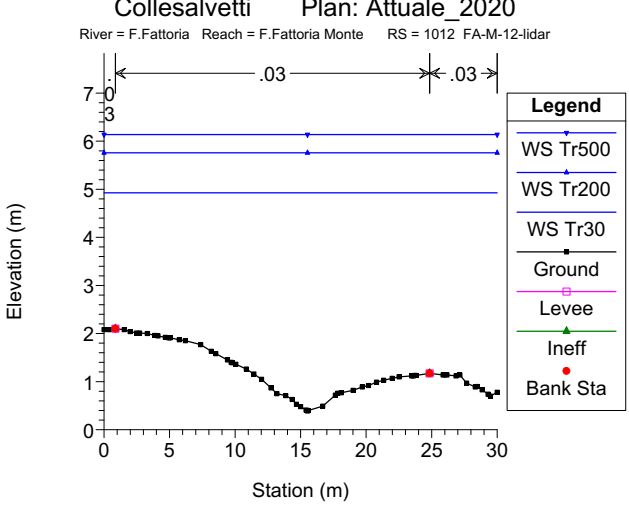
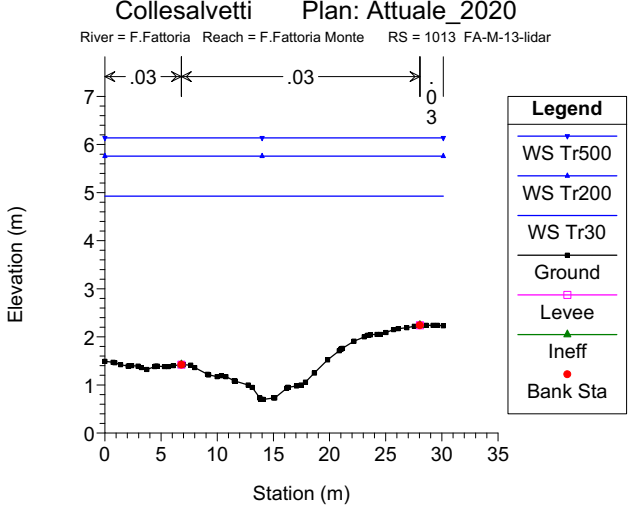
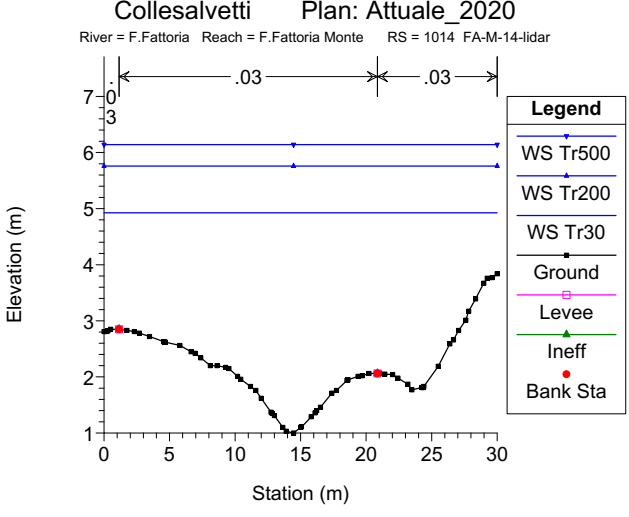
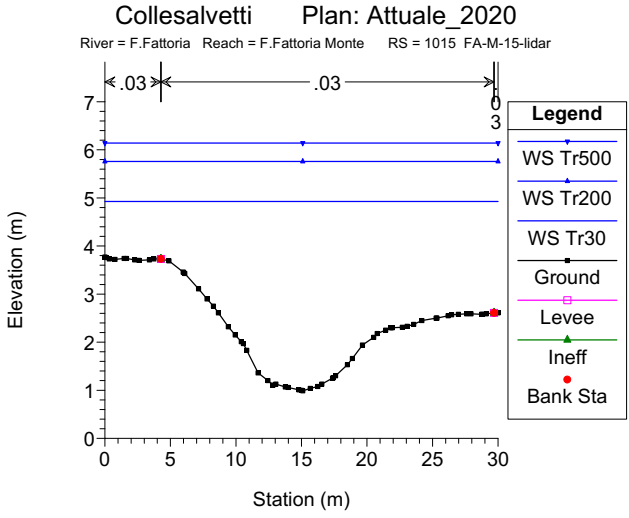
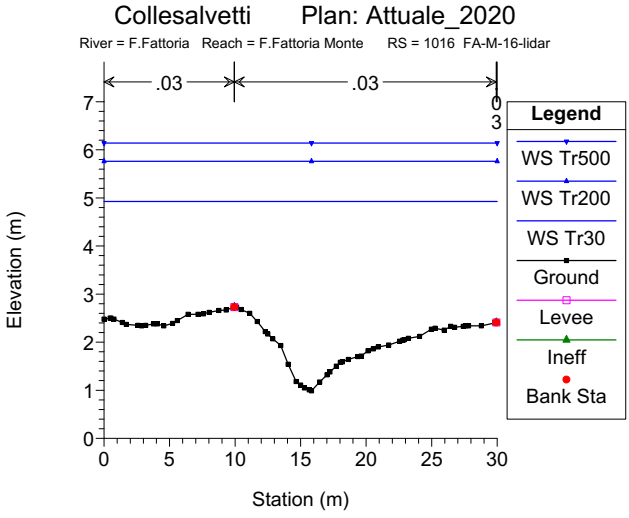
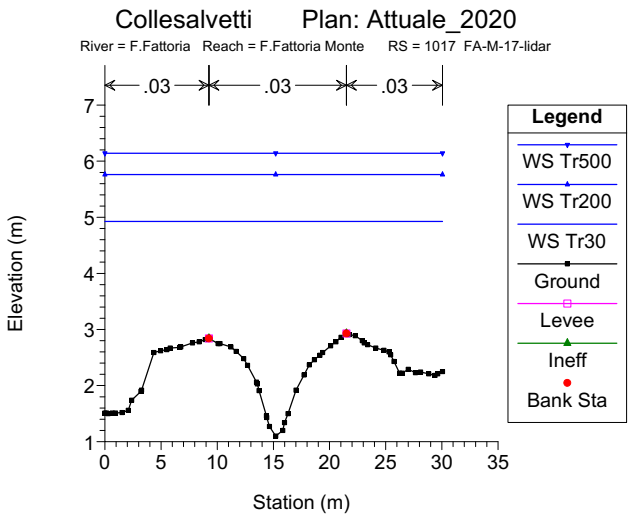
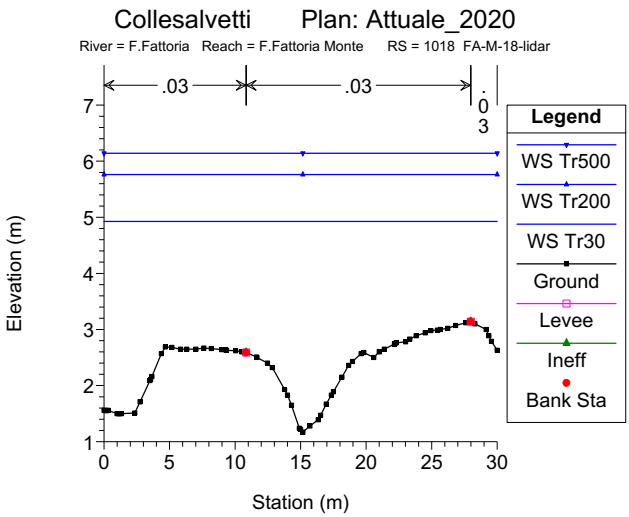


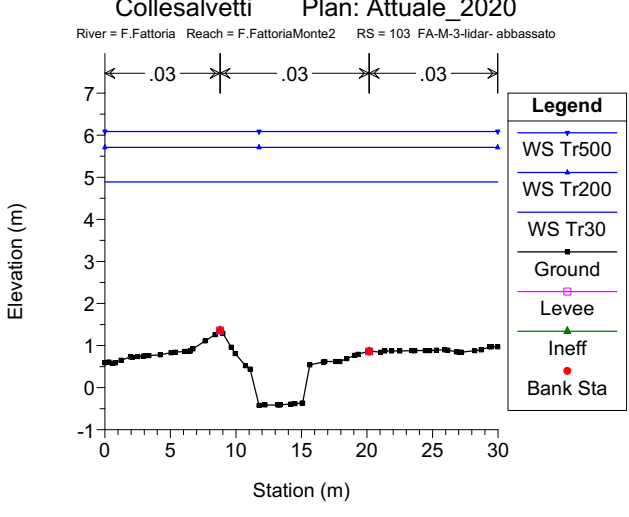
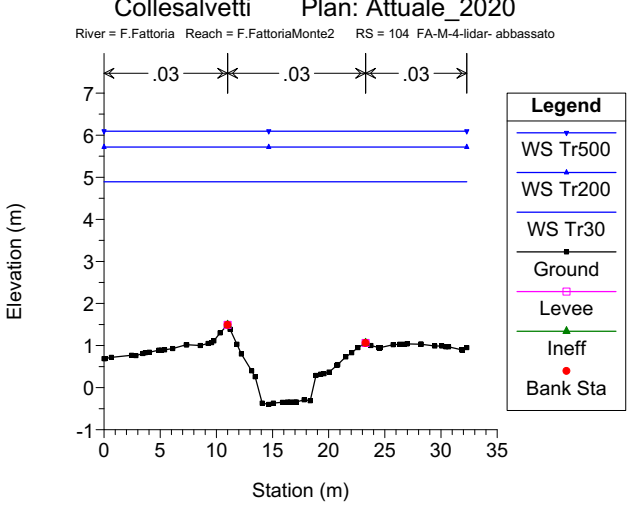
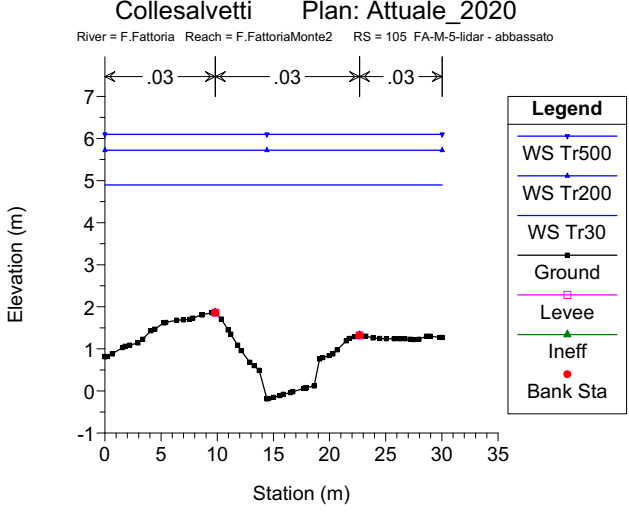
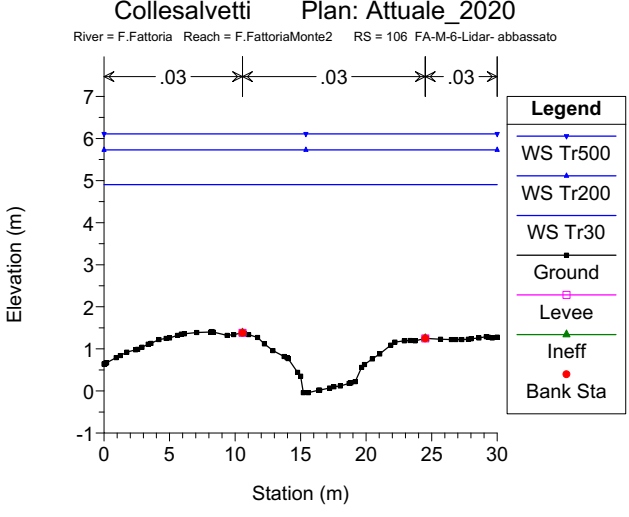
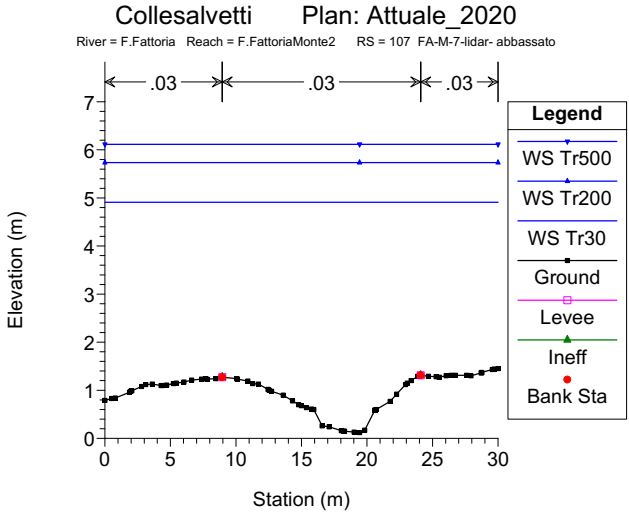
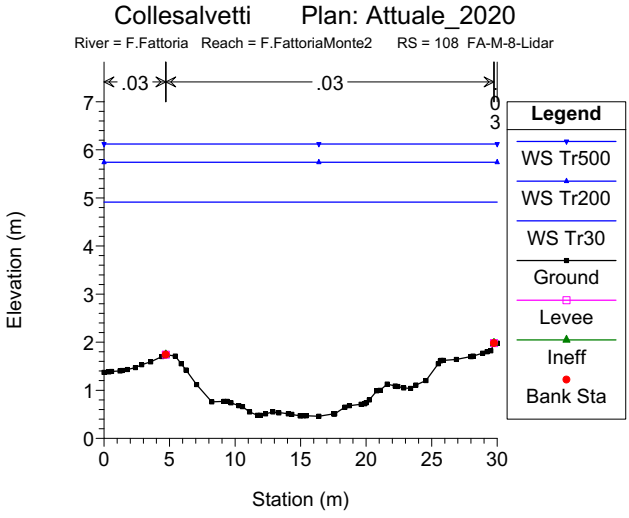
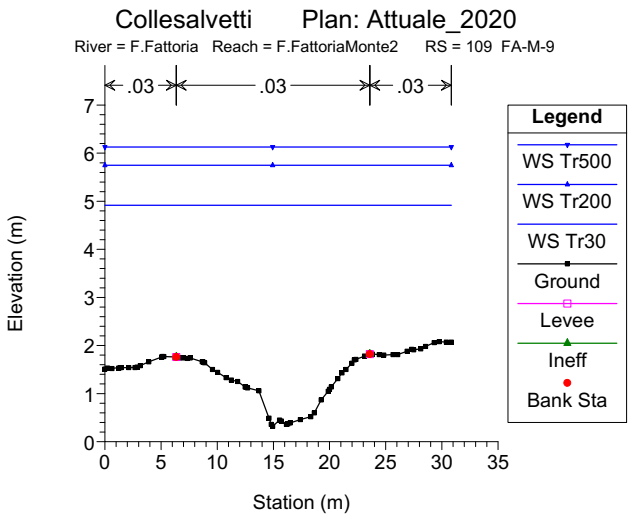
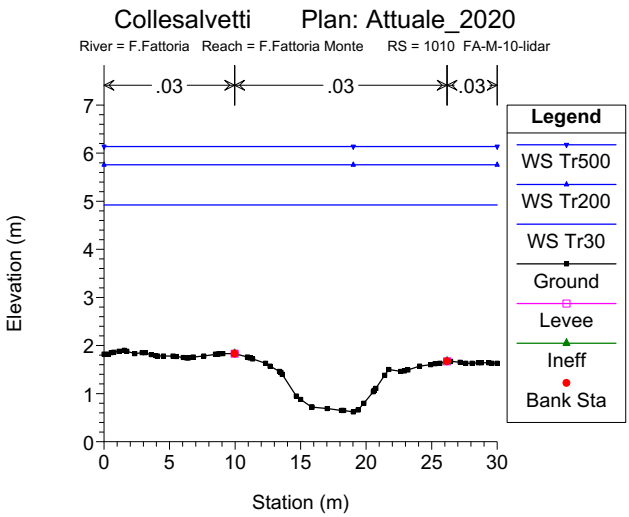


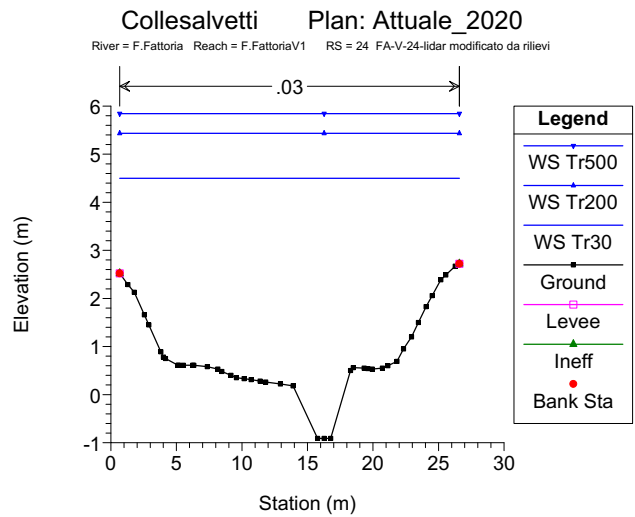
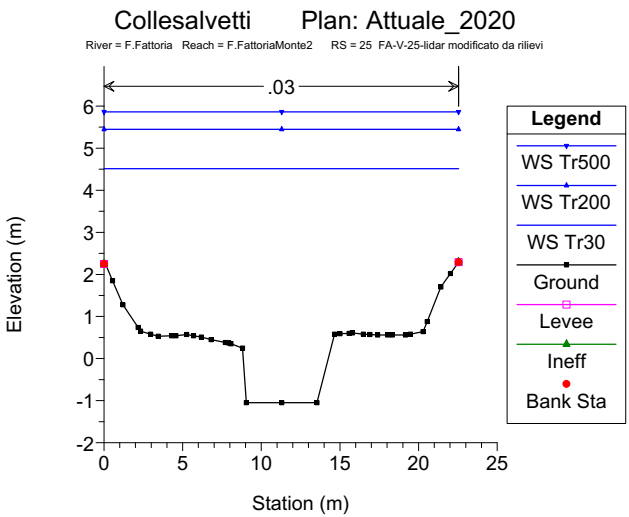
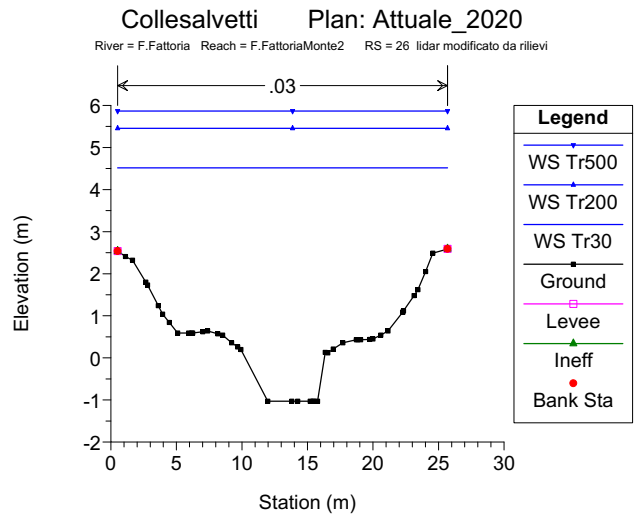
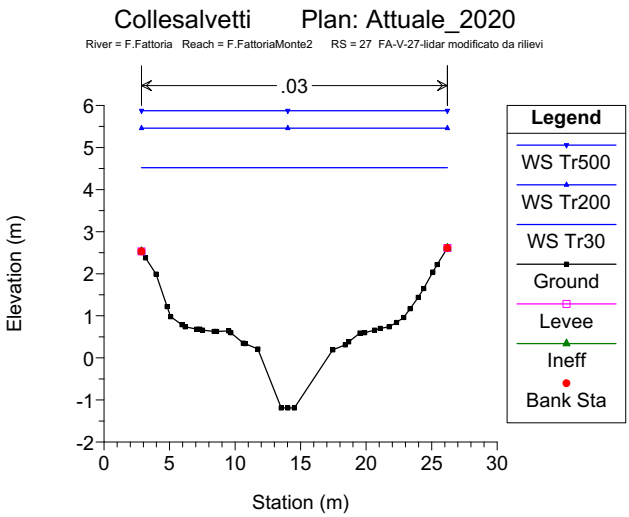
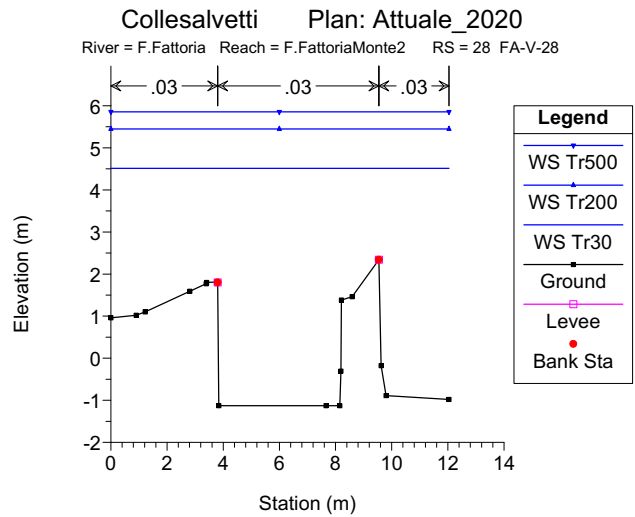
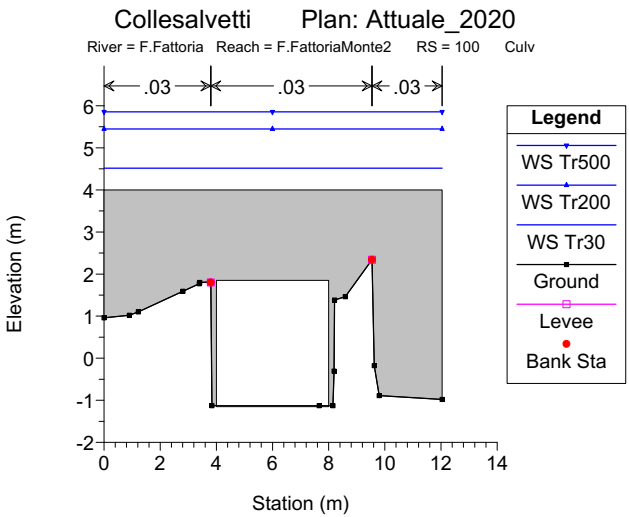
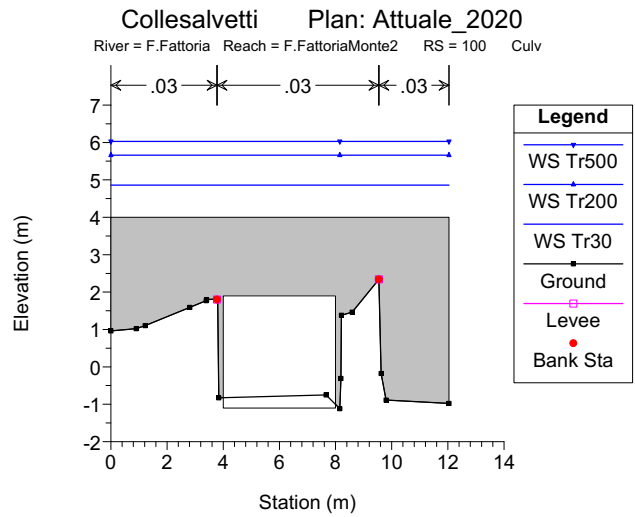
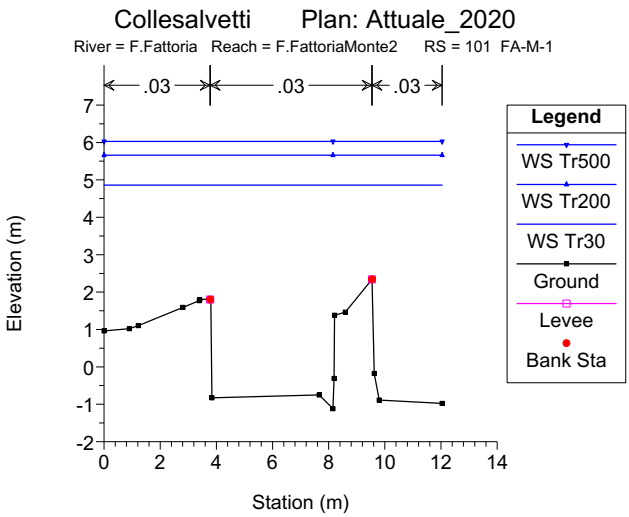






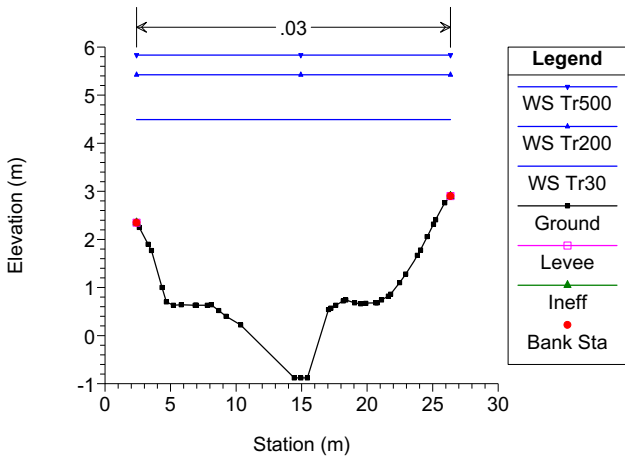






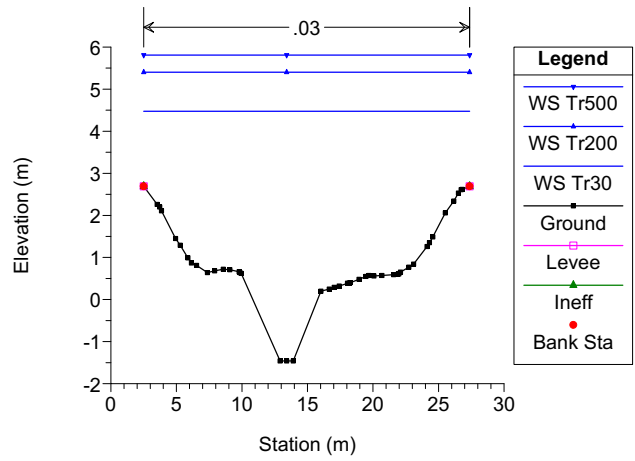
### Collesalvetti Plan: Attuale\_2020

River = F.Fattoria Reach = F.FattoriaV1 RS = 23 FA-V-23-lidar modificato da rilievi



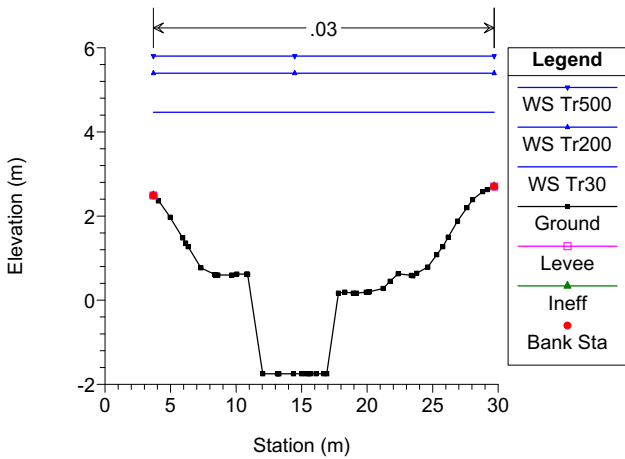
### Collesalvetti Plan: Attuale\_2020

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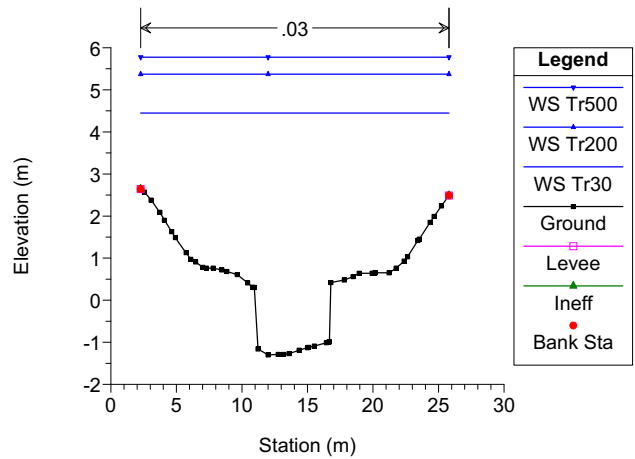
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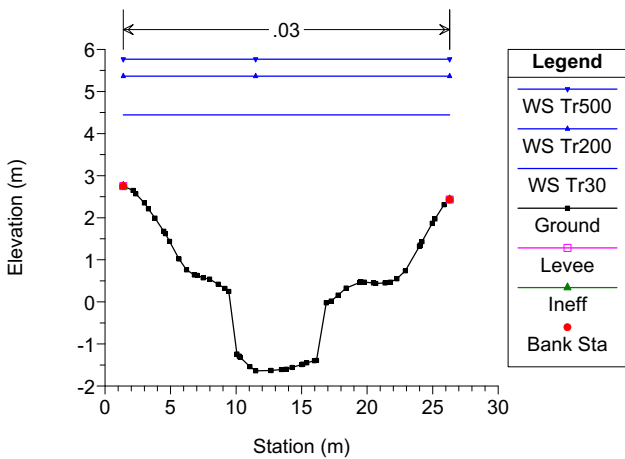
### Collesalvetti Plan: Attuale\_2020

River = F.Fattoria Reach = F.FattoriaV1 RS = 20 lidar modificato da rilievi ed abbassata



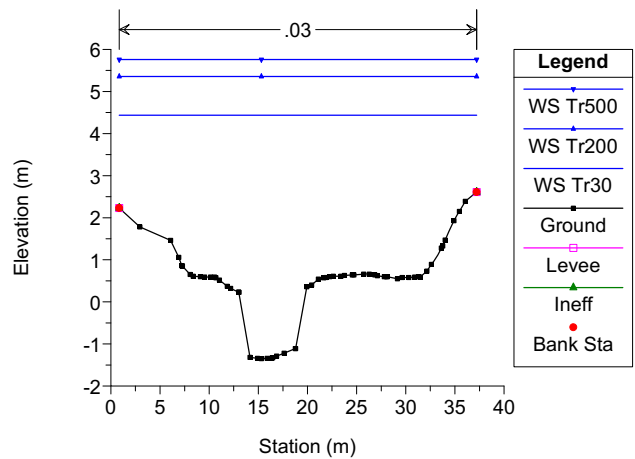
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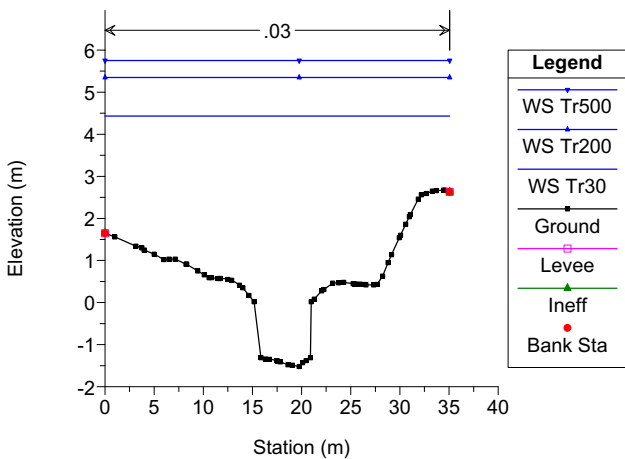
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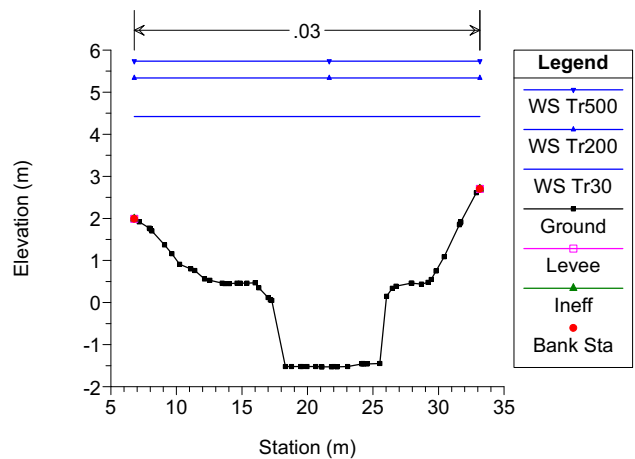
### Collesalvetti Plan: Attuale\_2020

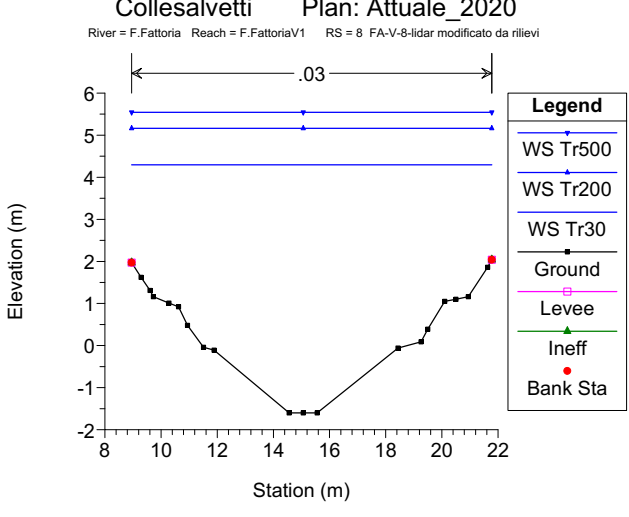
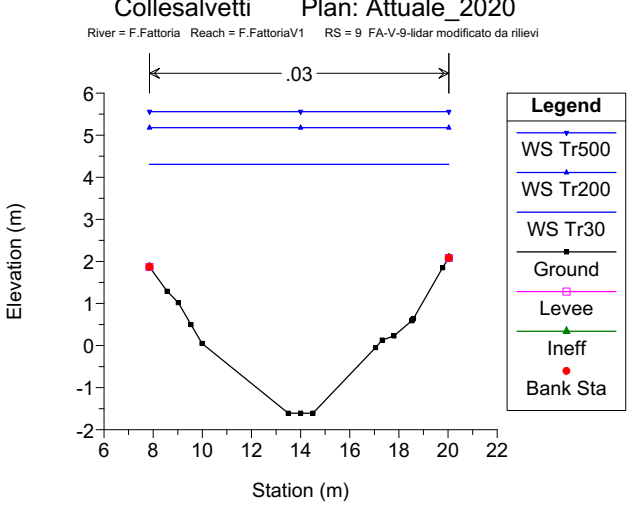
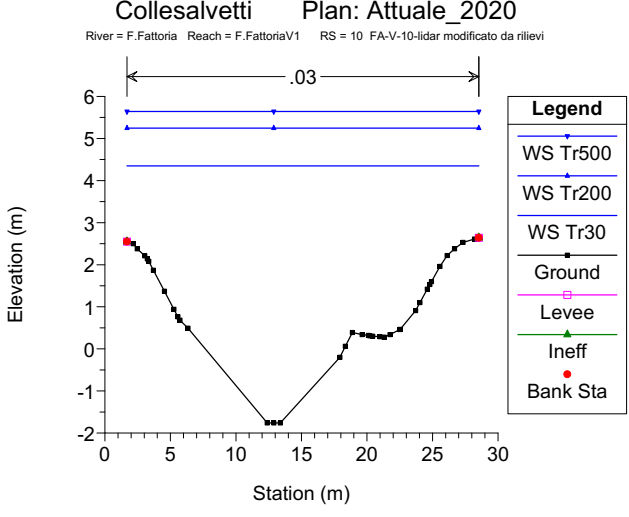
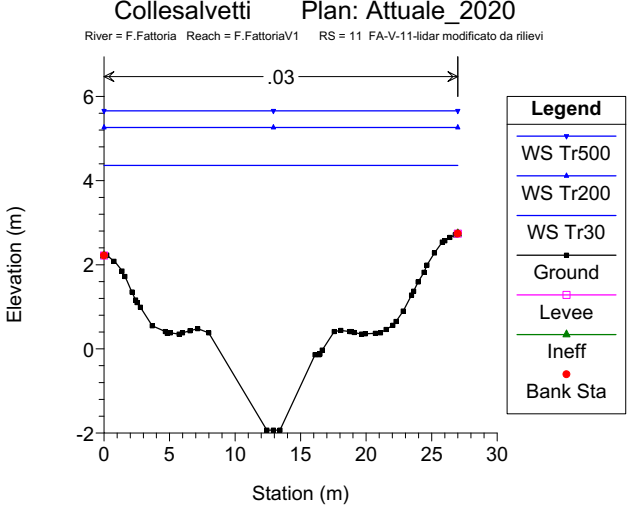
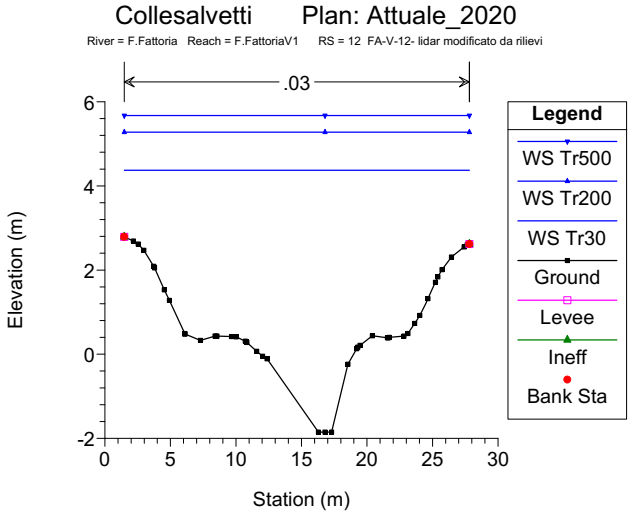
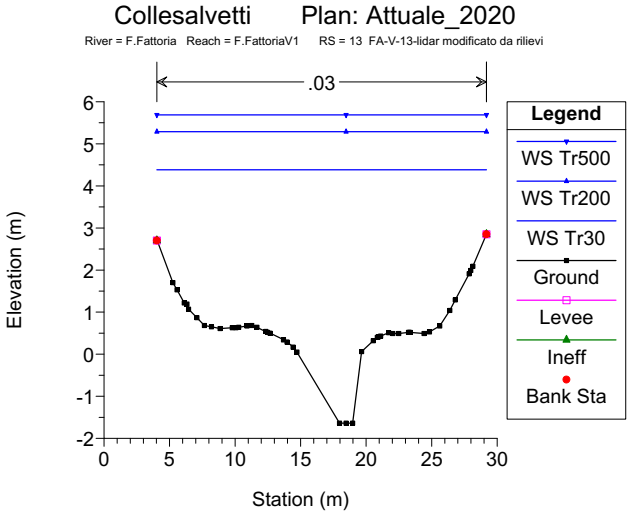
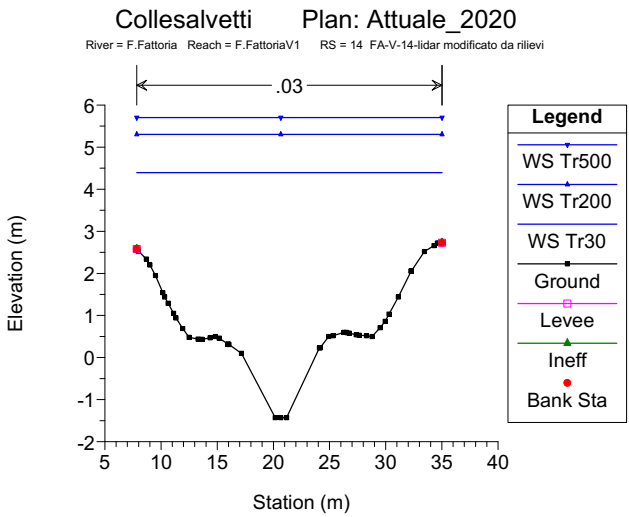
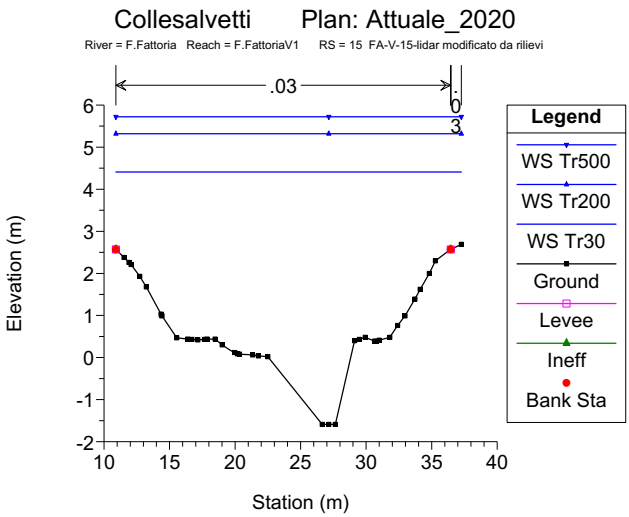
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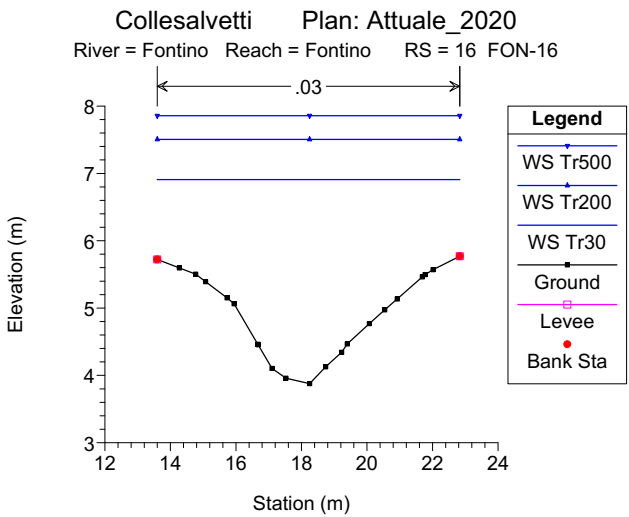
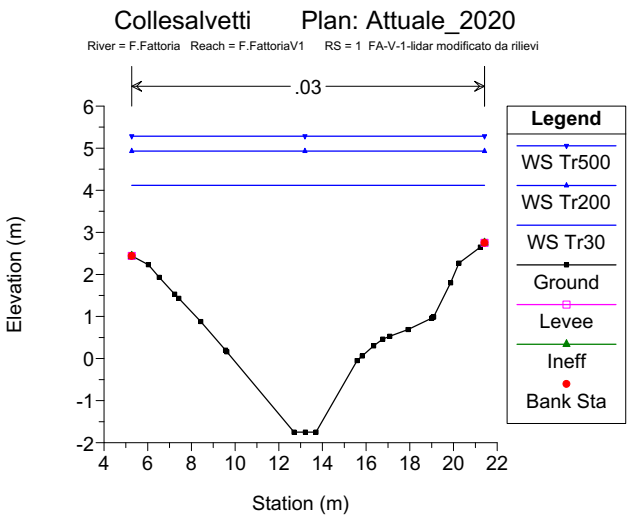
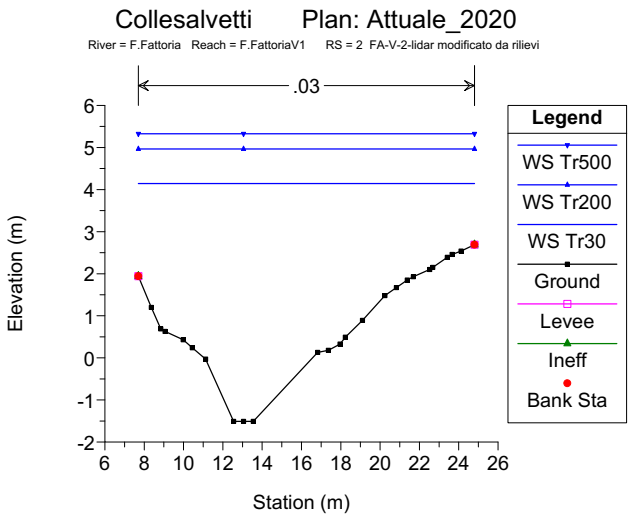
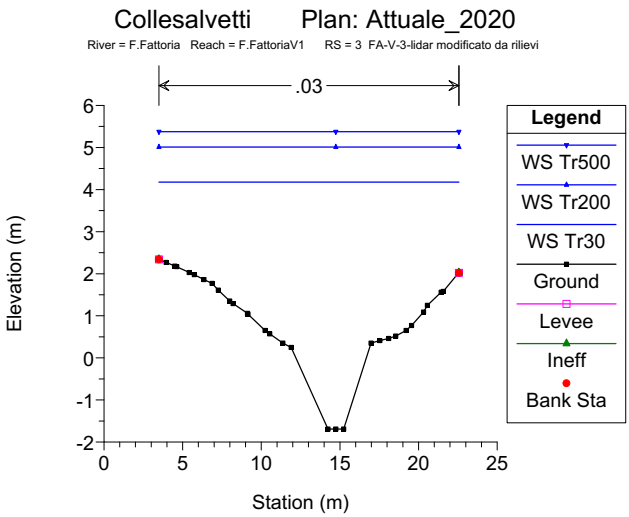
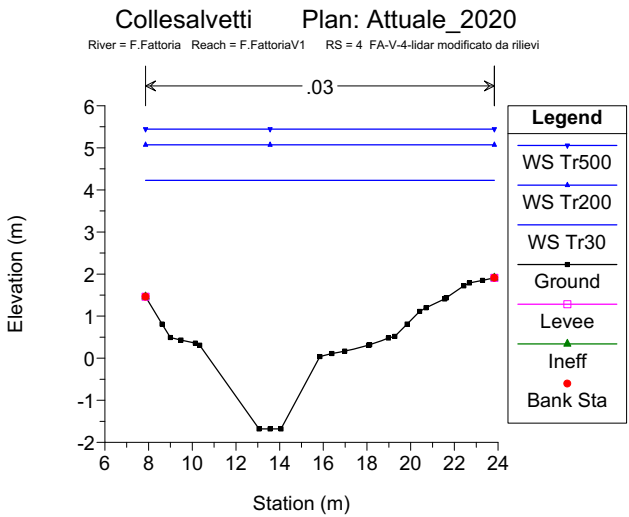
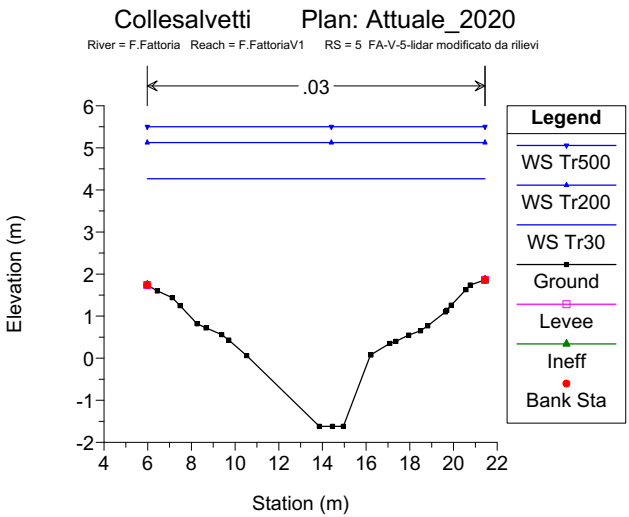
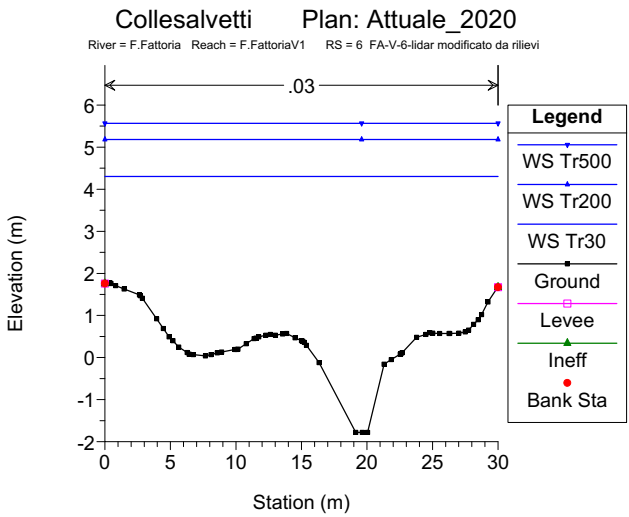
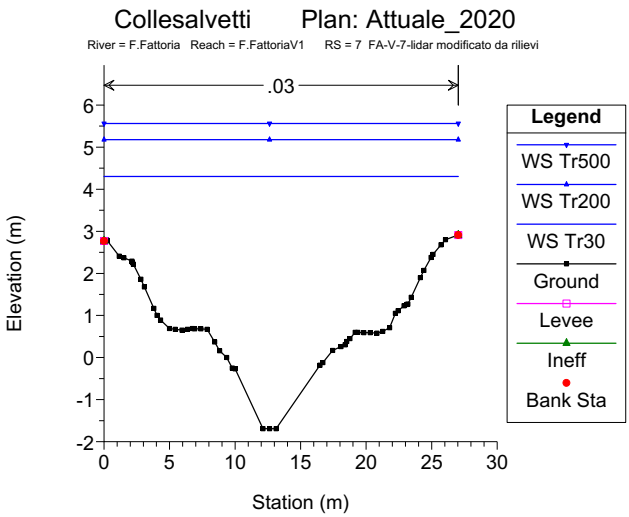


### Collesalvetti Plan: Attuale\_2020

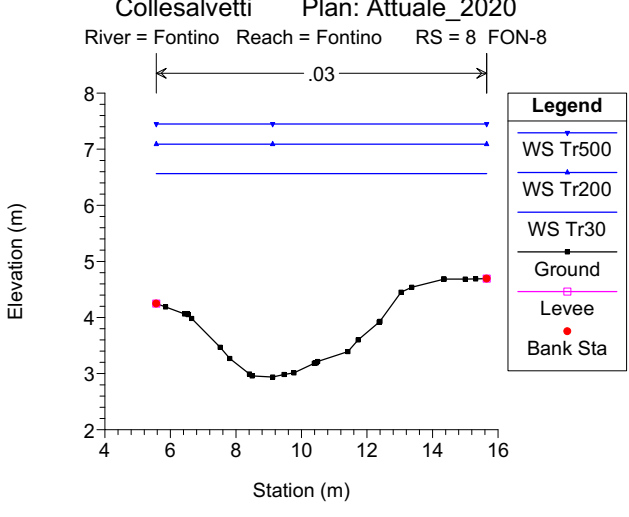
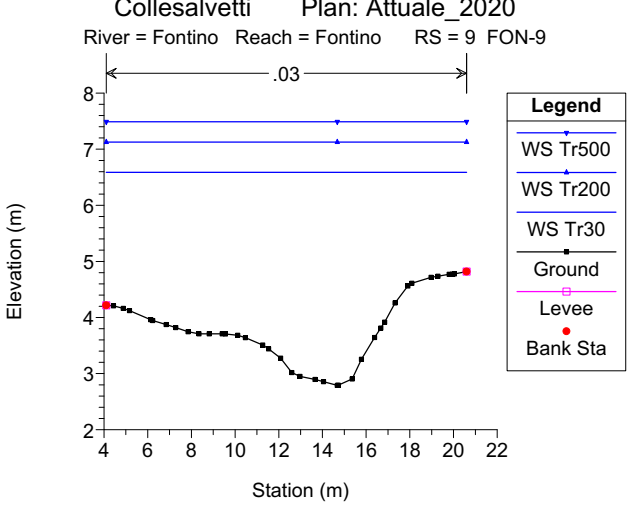
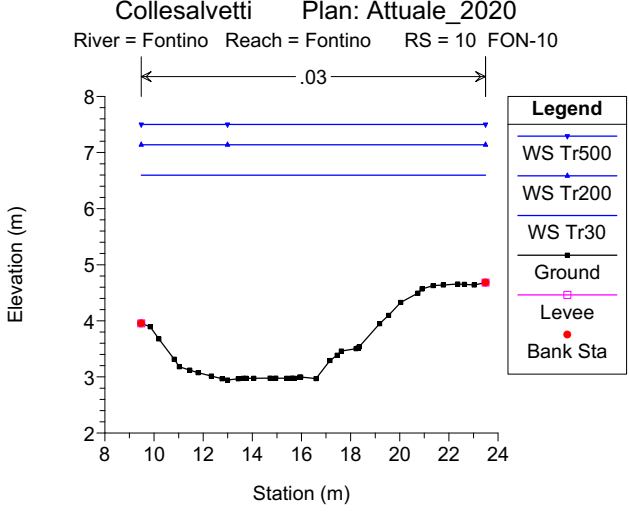
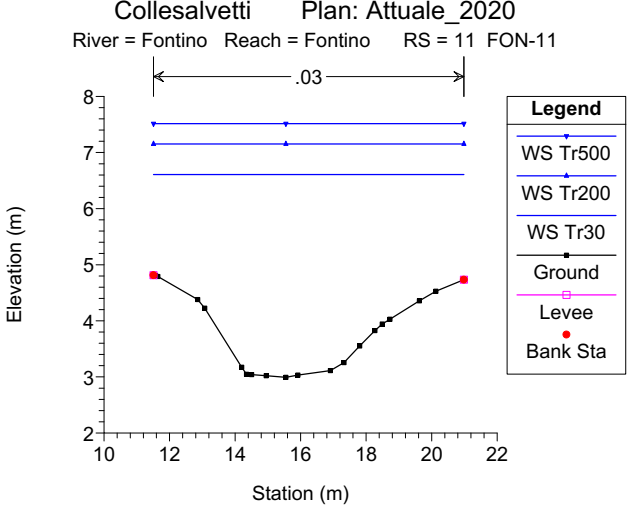
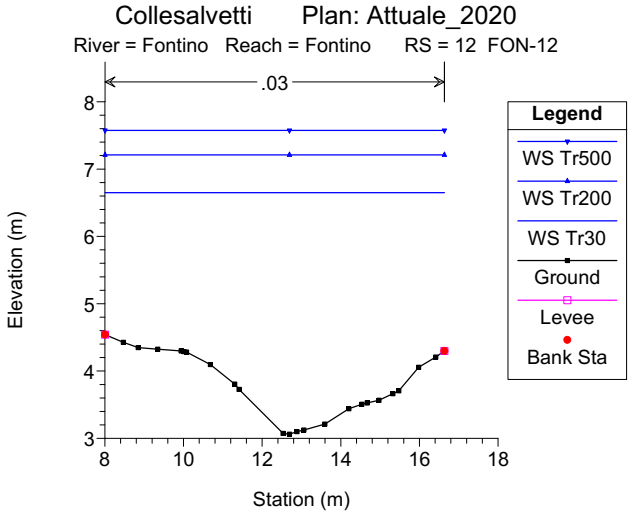
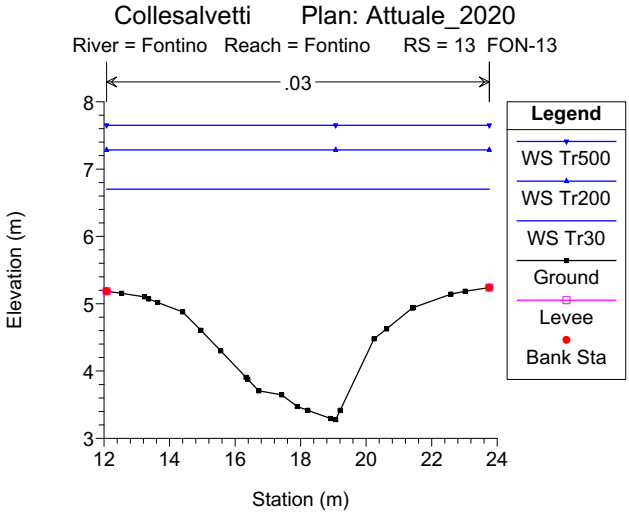
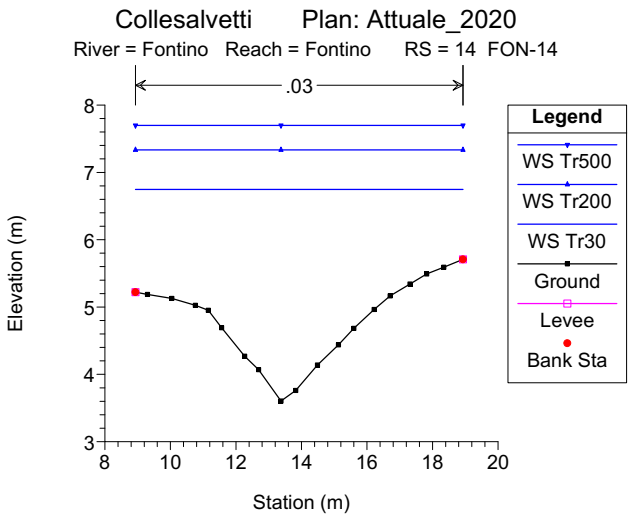
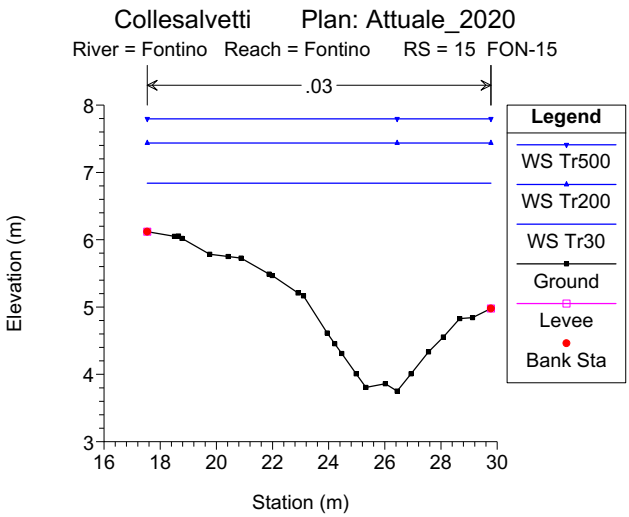
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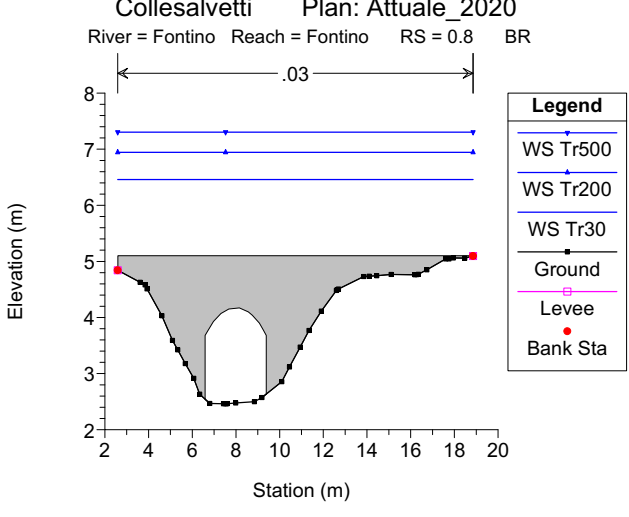
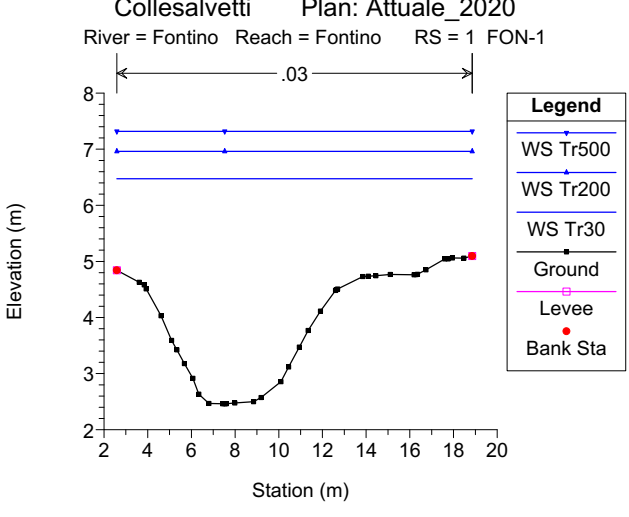
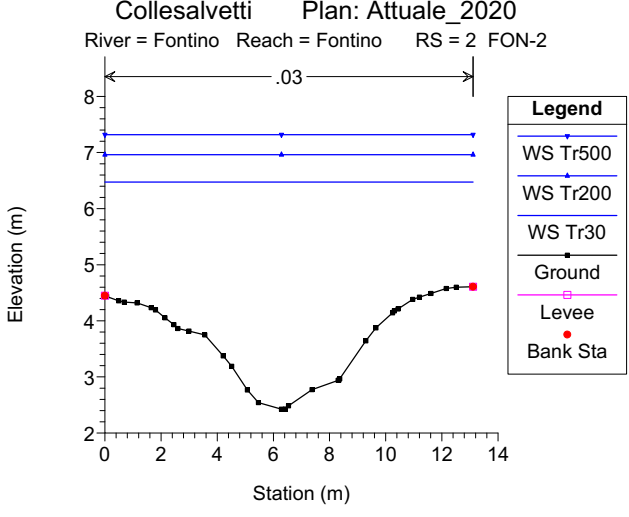
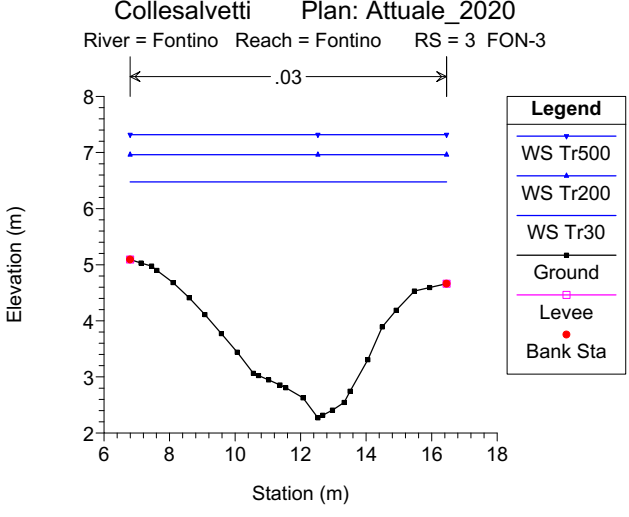
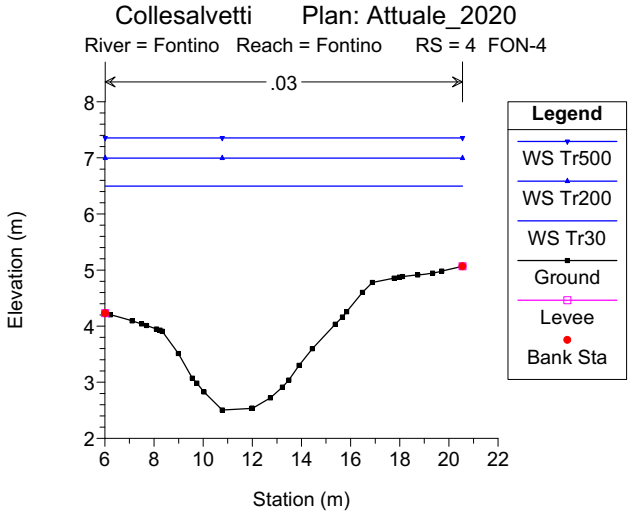
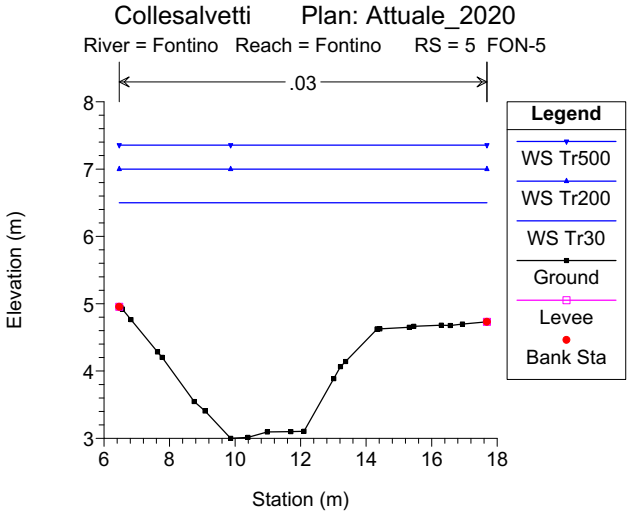
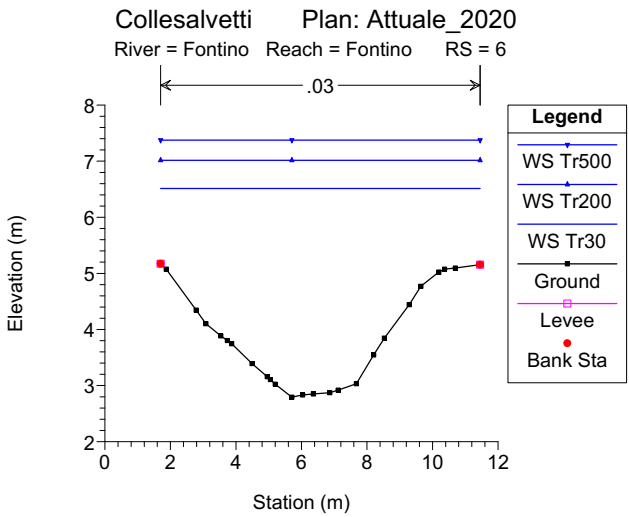
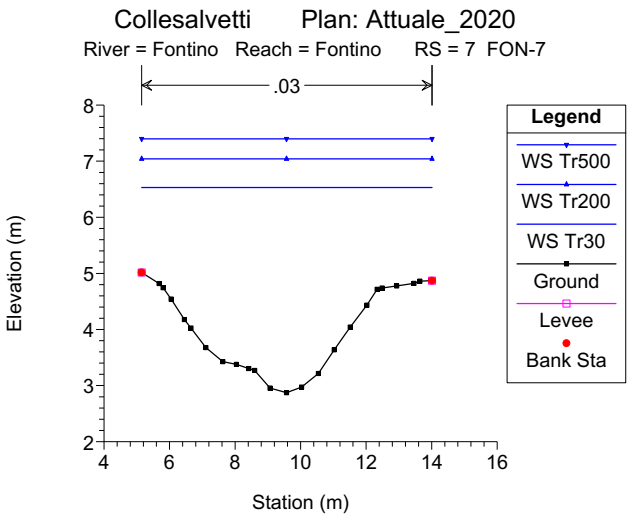


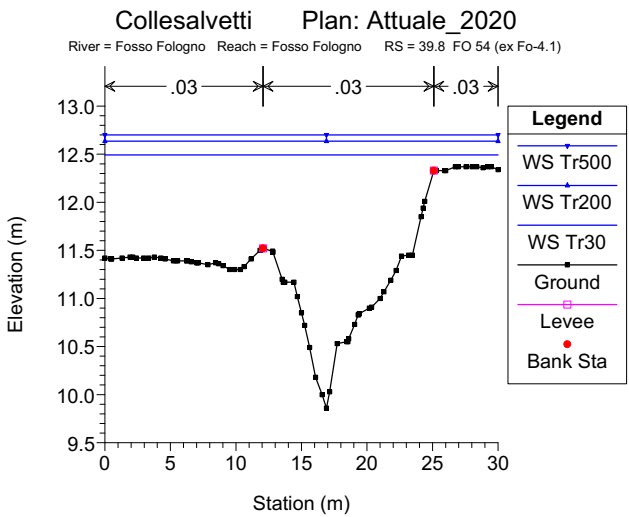
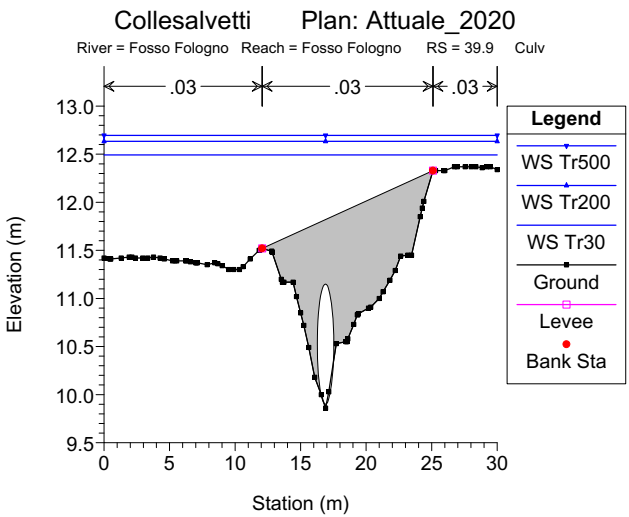
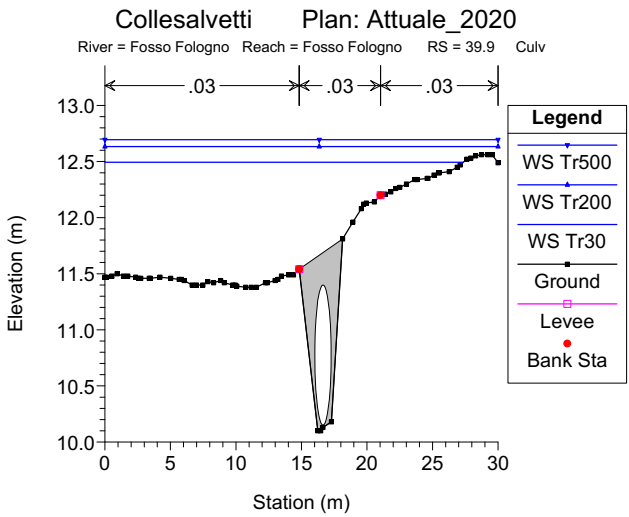
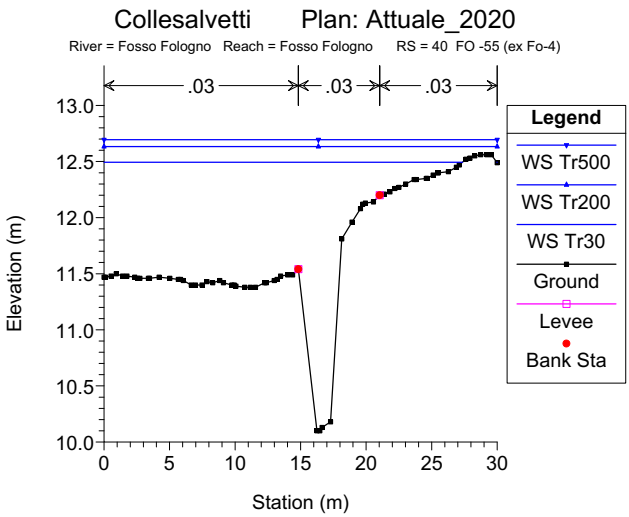
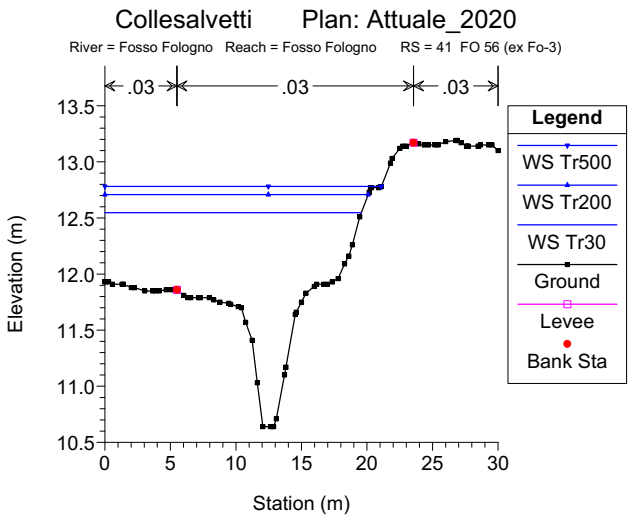
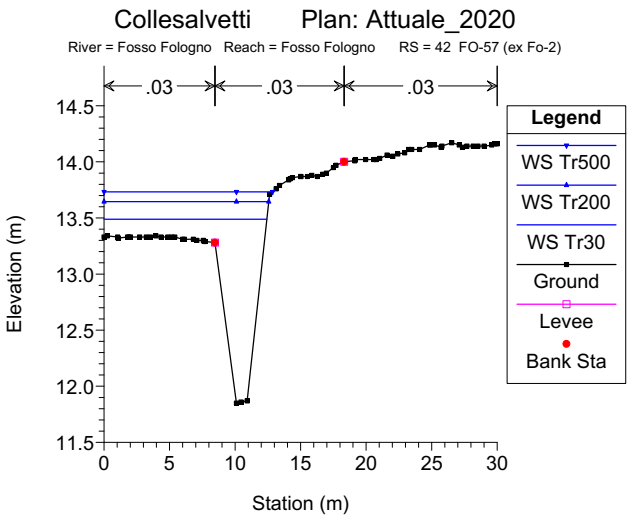
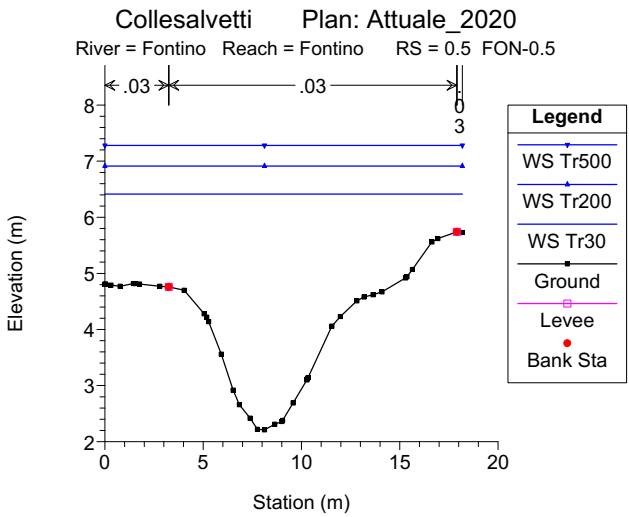
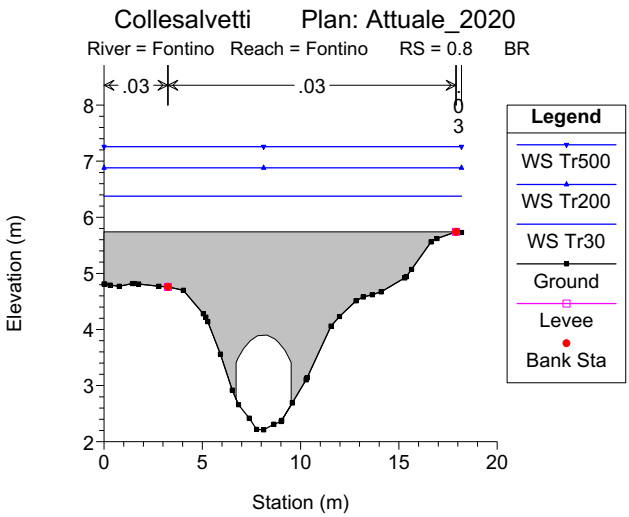


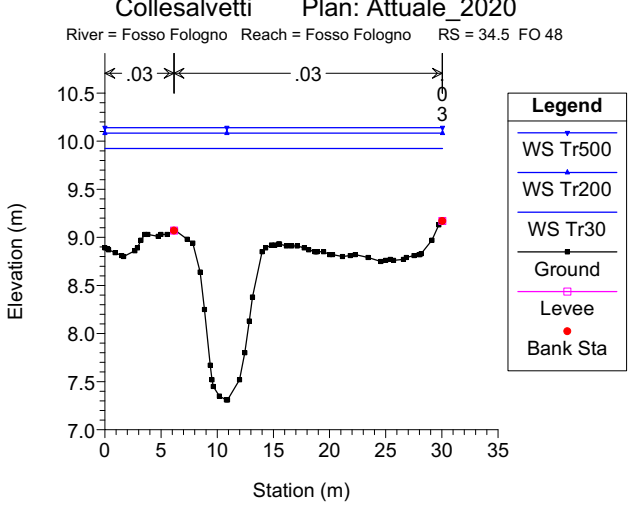
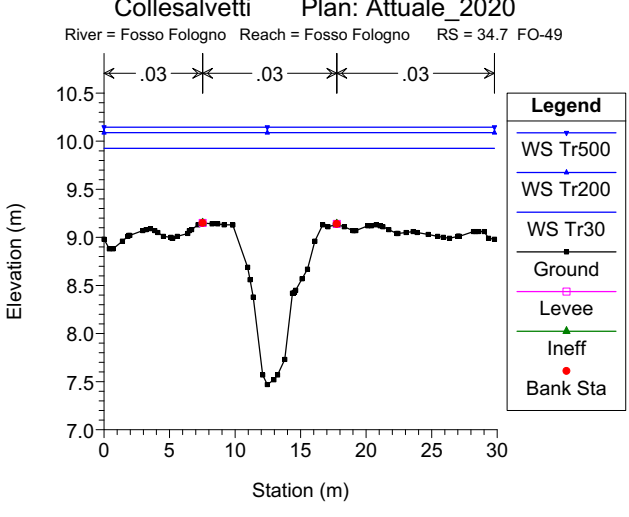
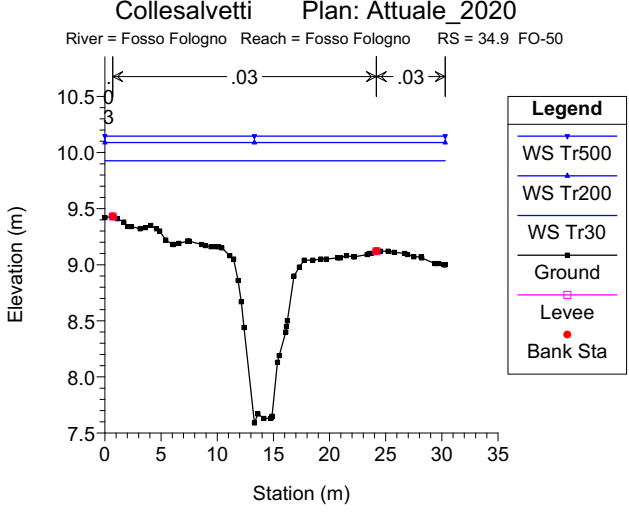
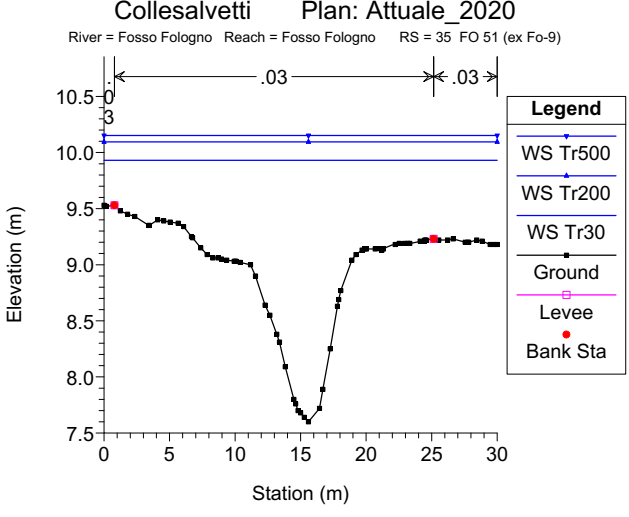
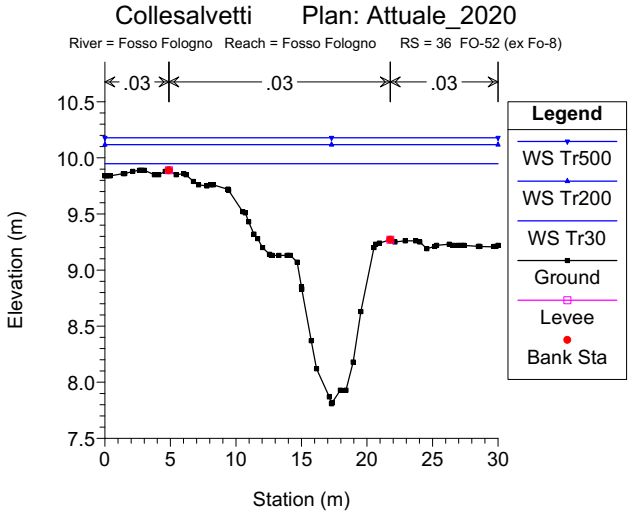
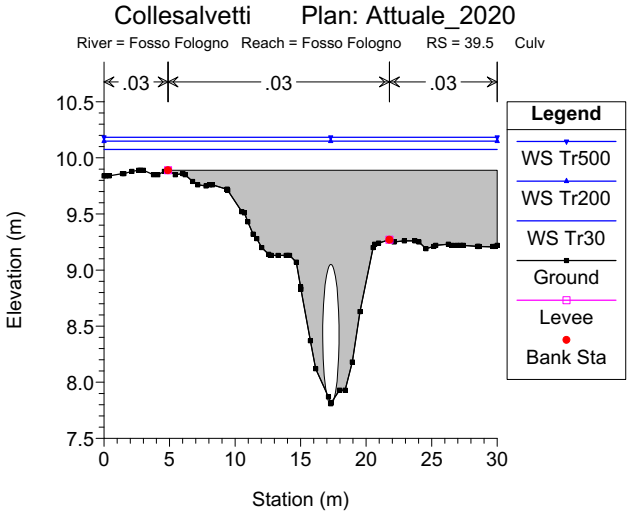
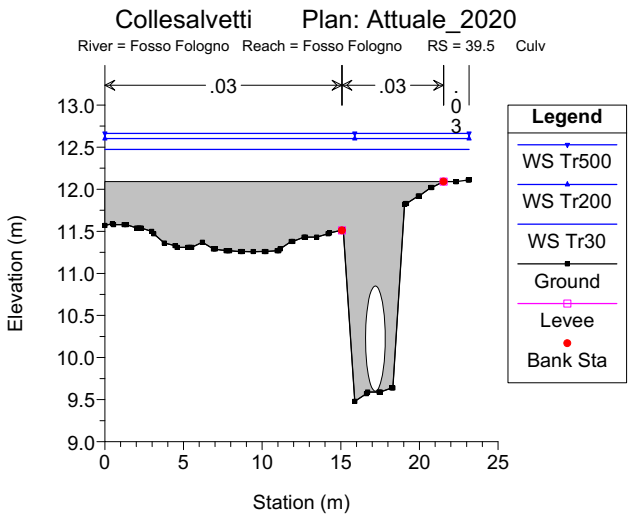
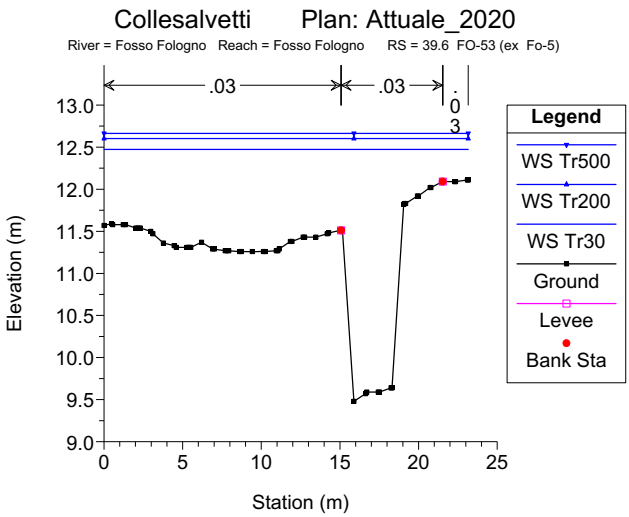


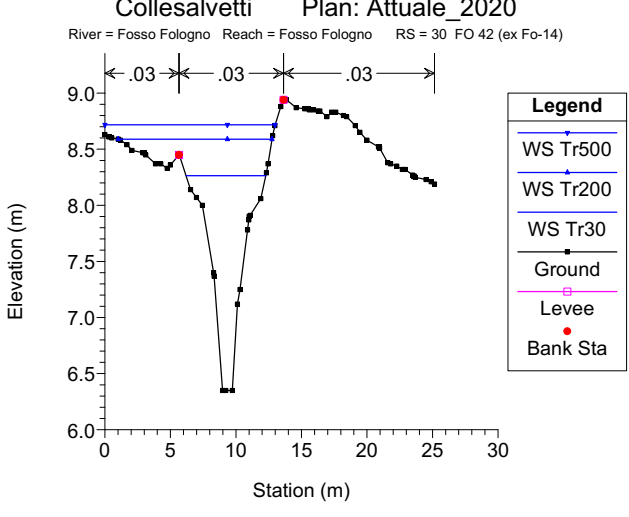
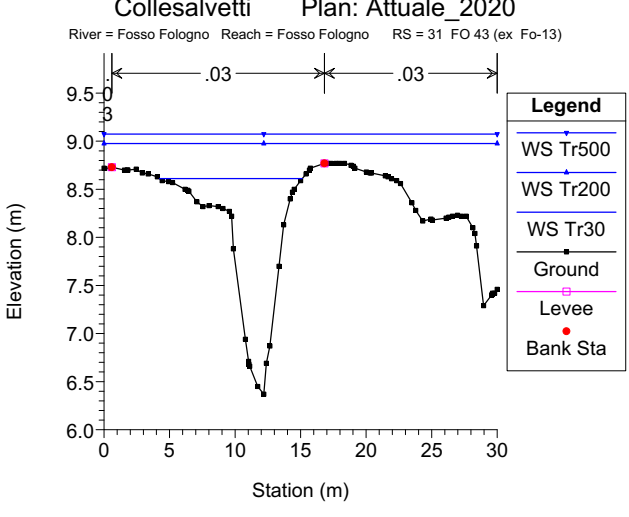
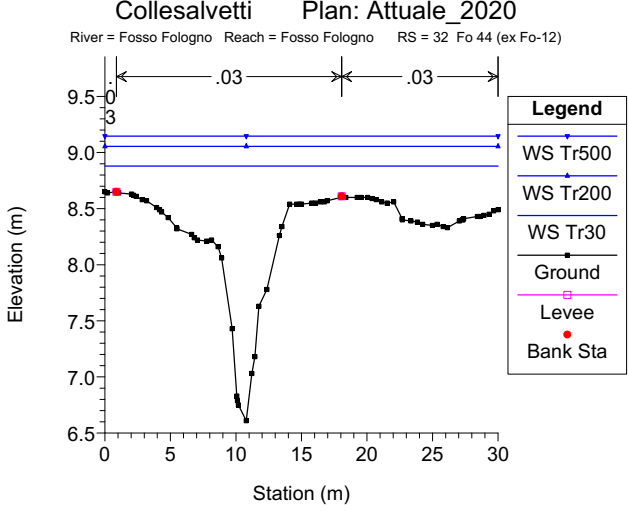
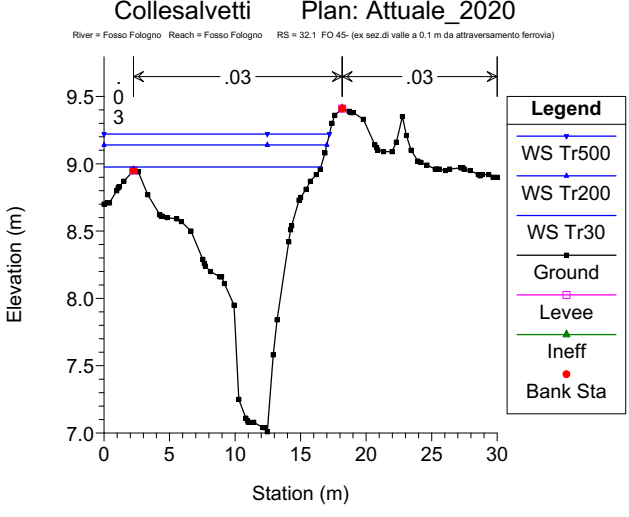
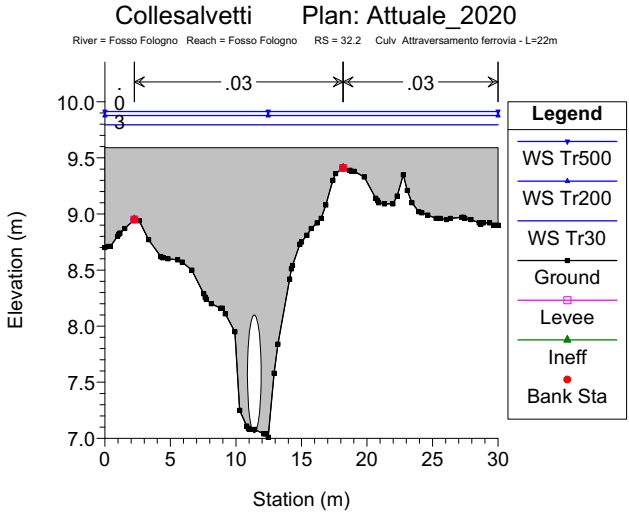
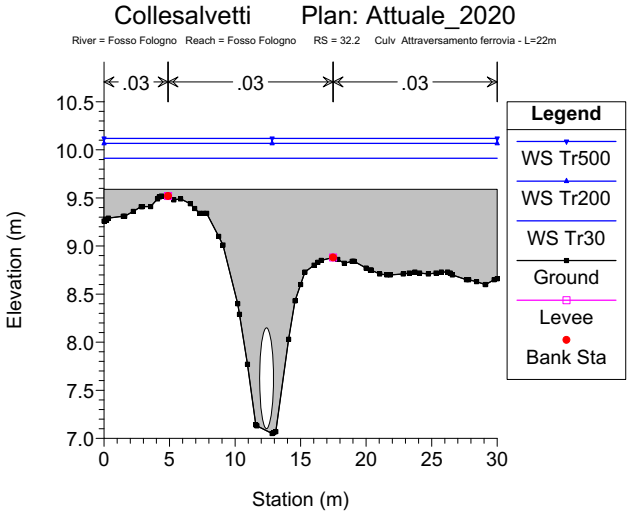
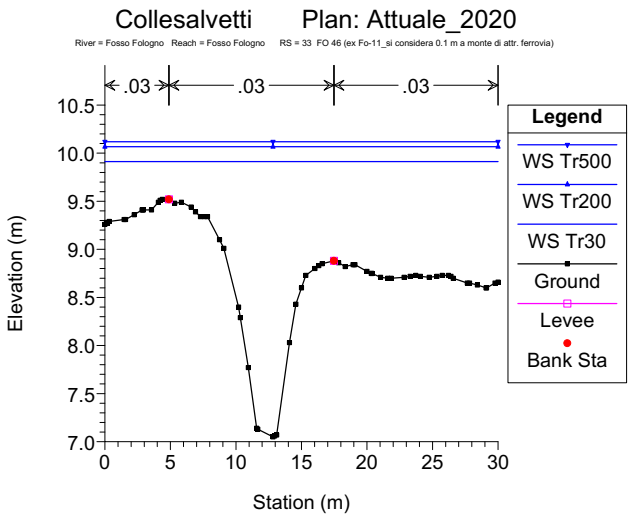
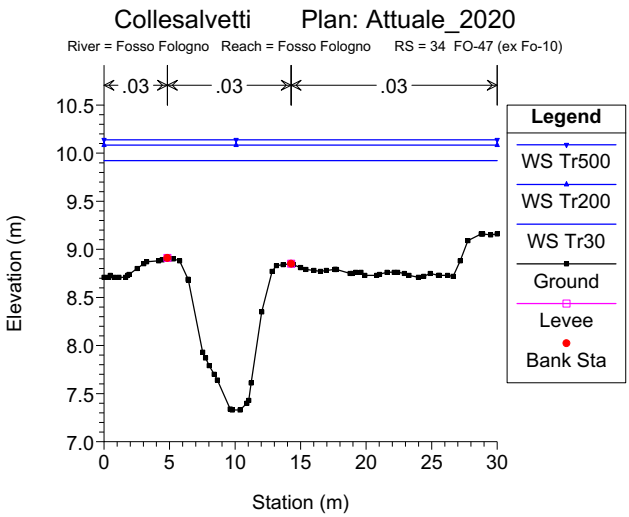


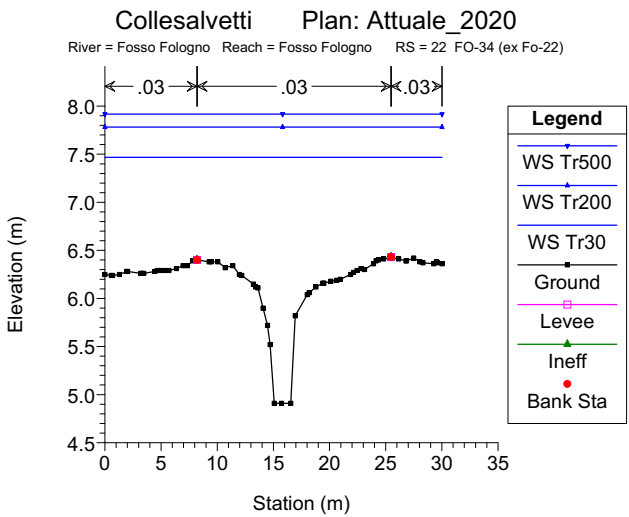
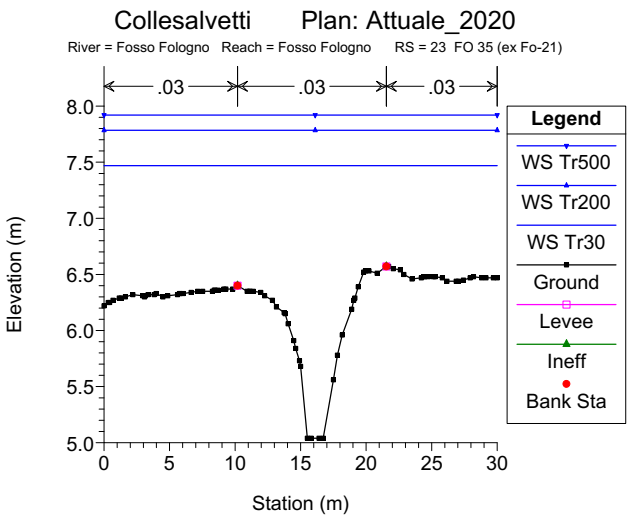
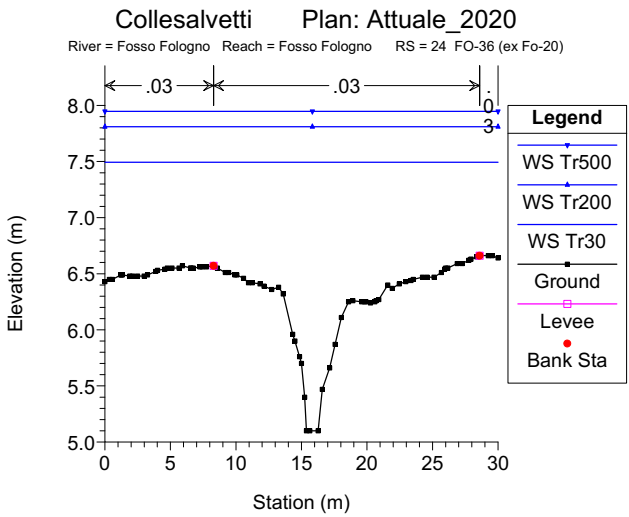
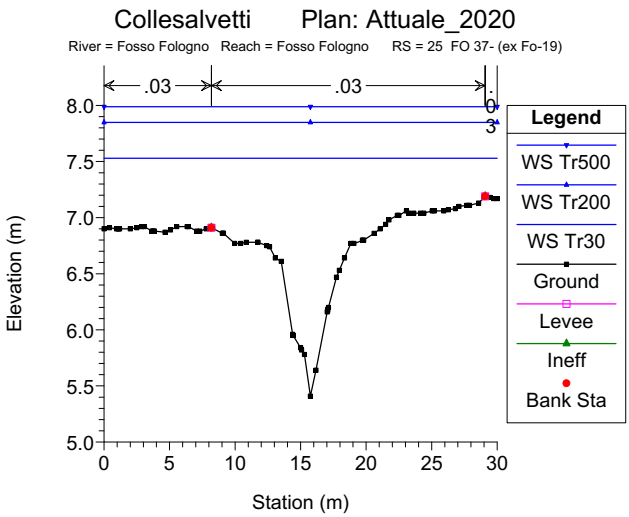
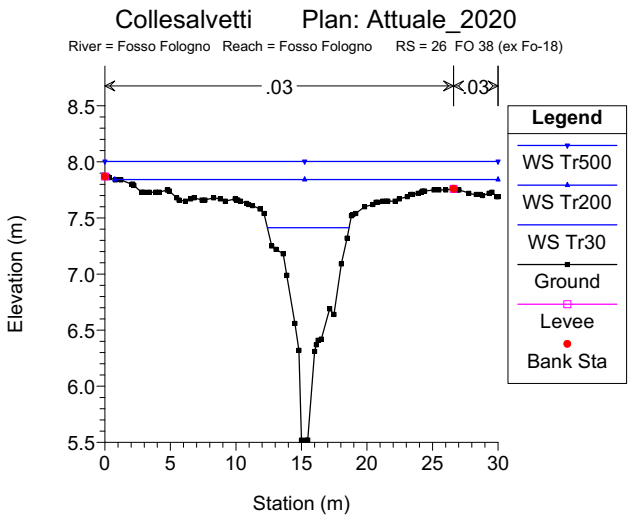
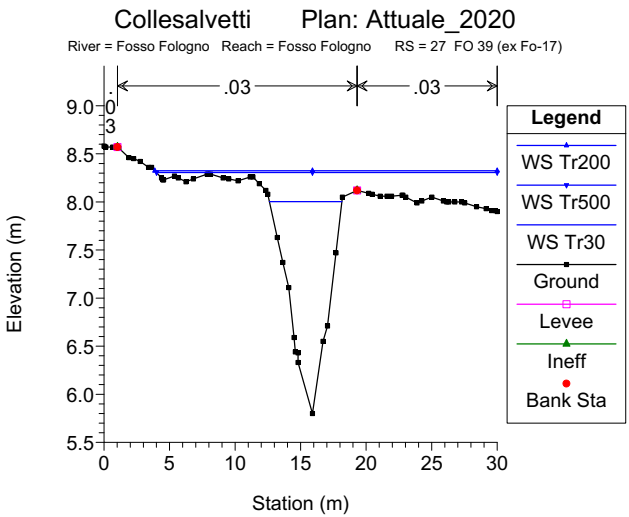
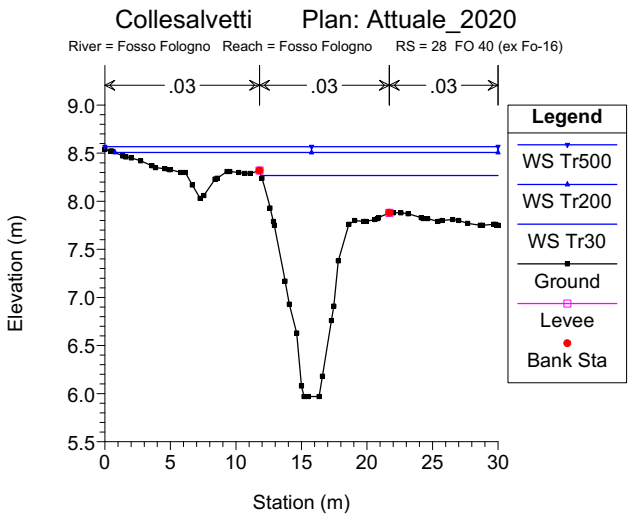
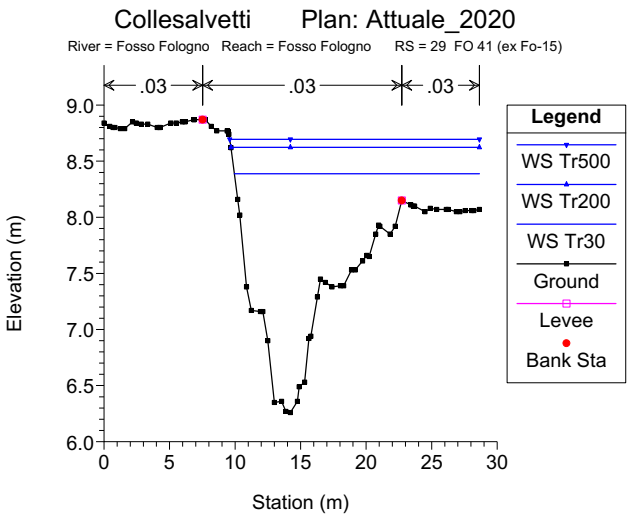


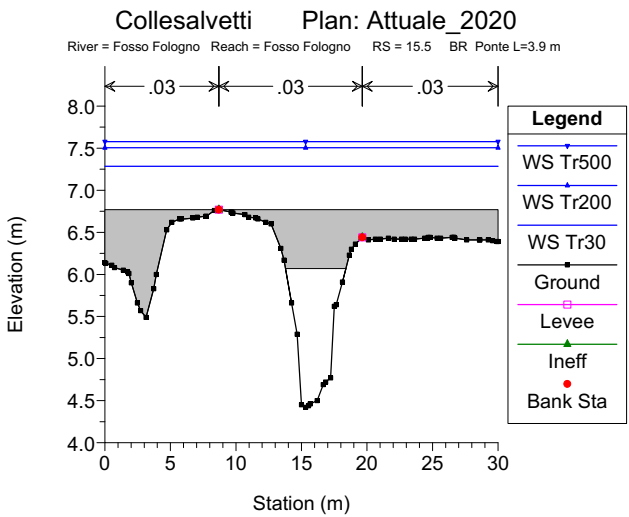
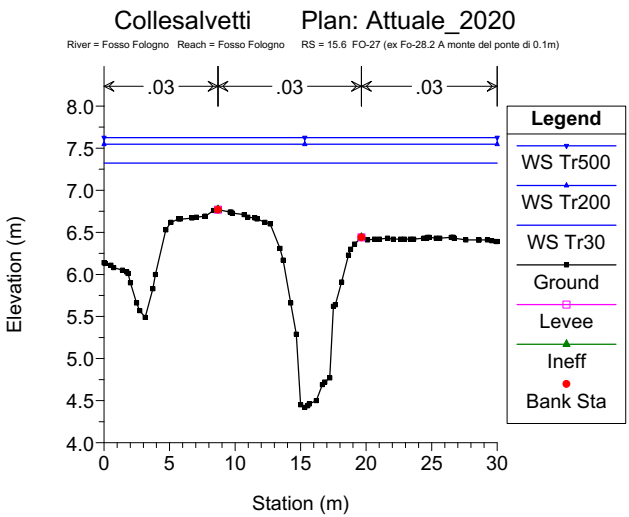
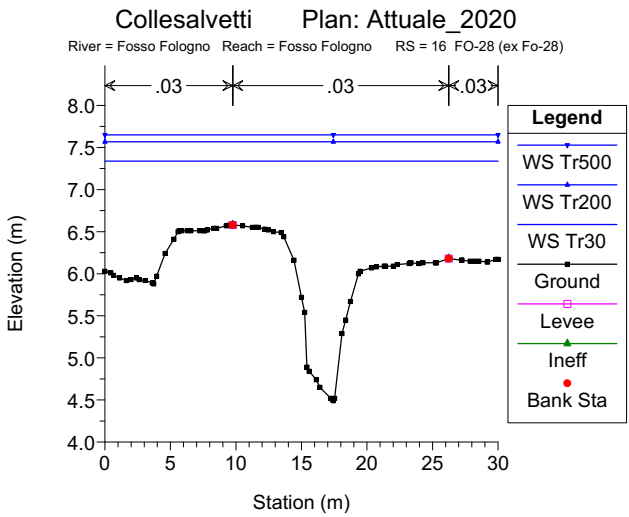
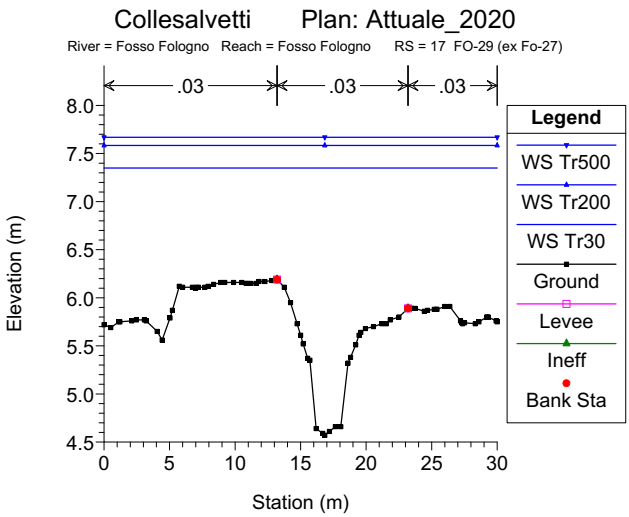
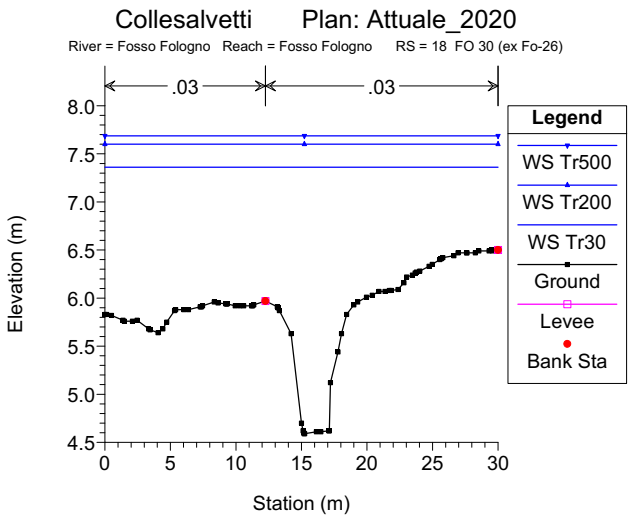
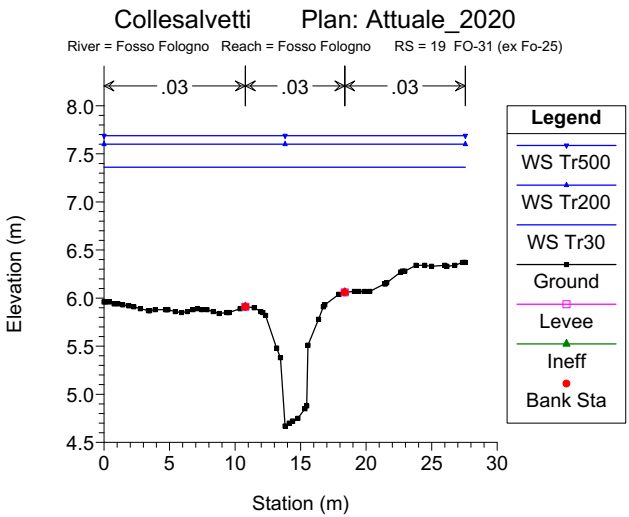
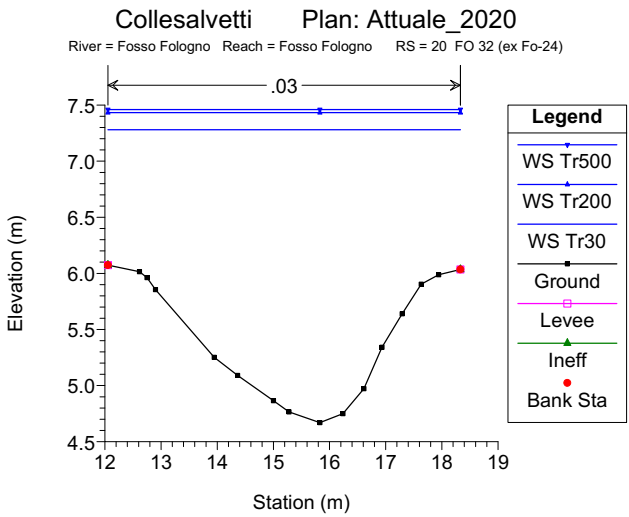
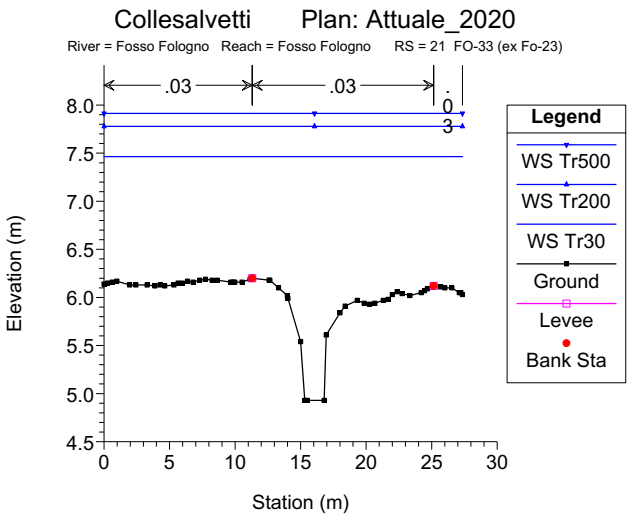


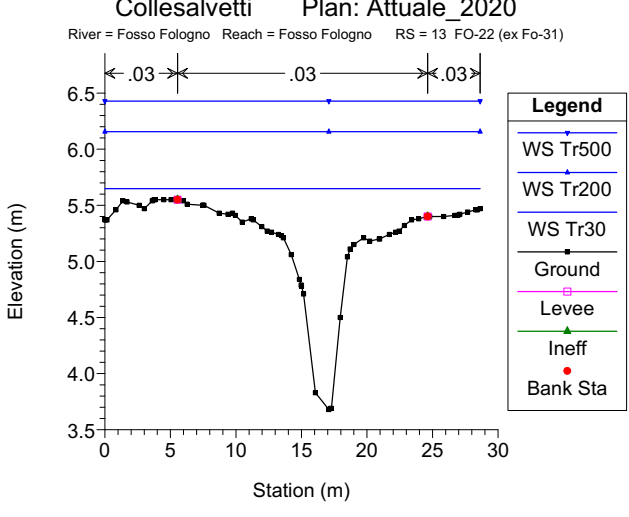
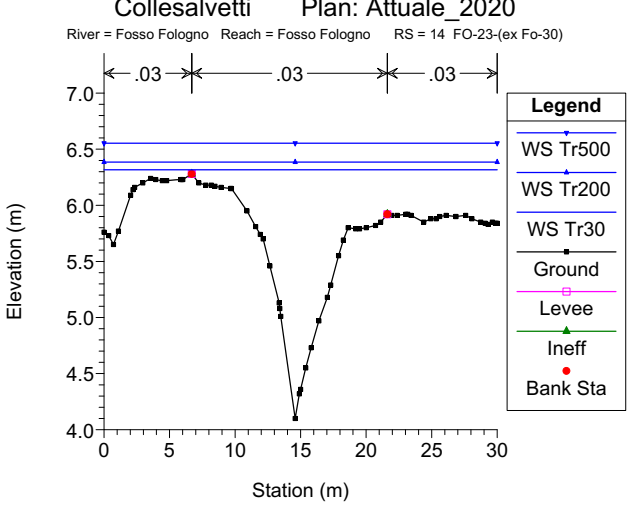
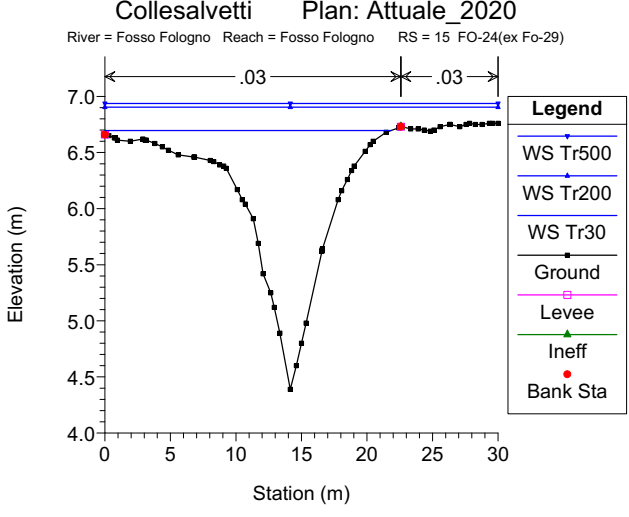
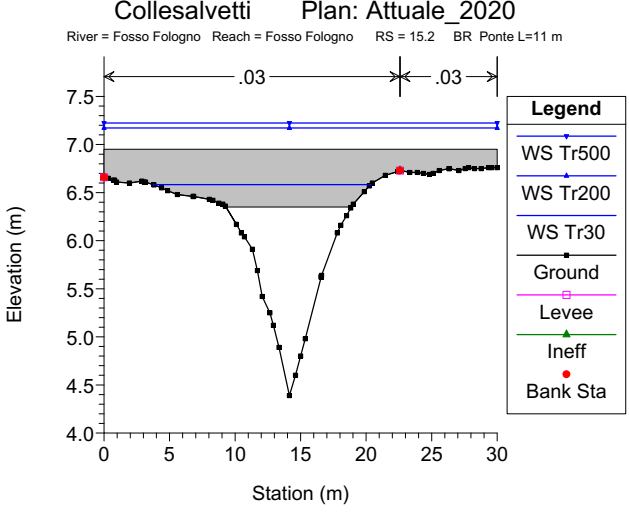
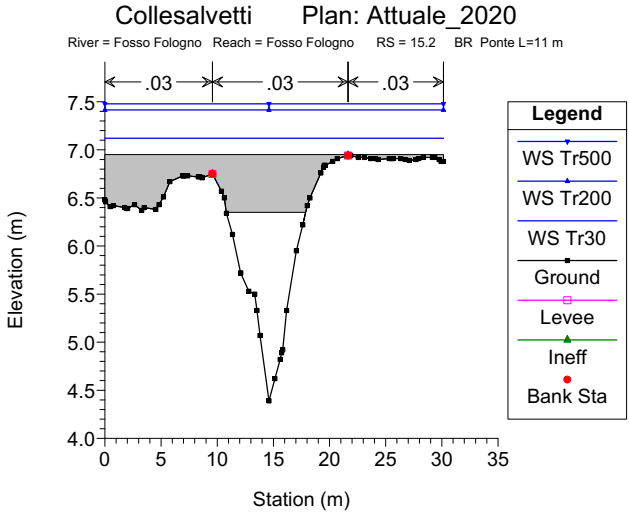
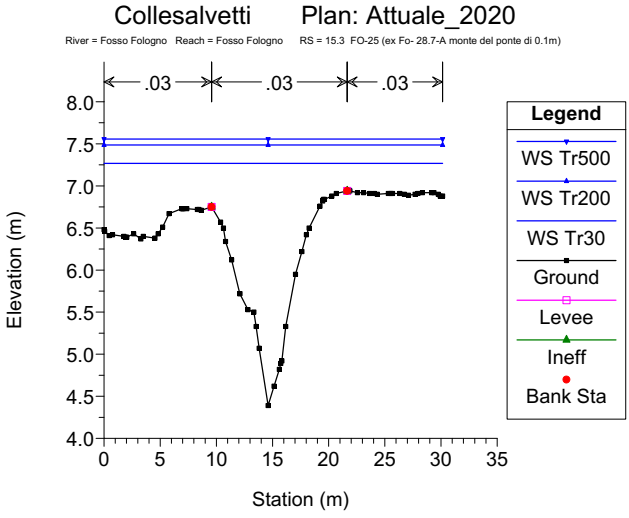
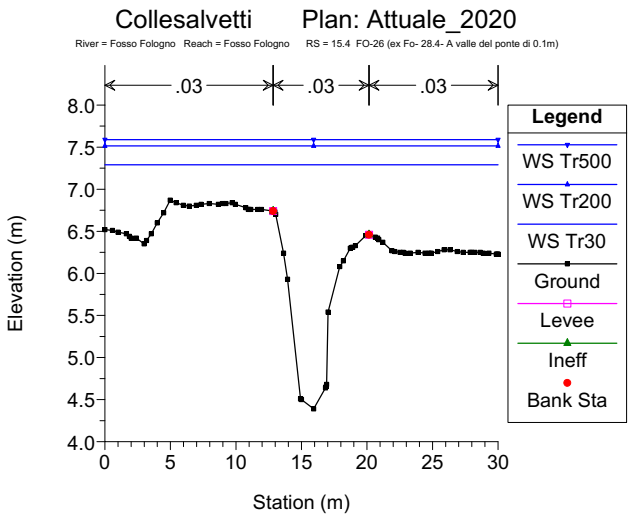
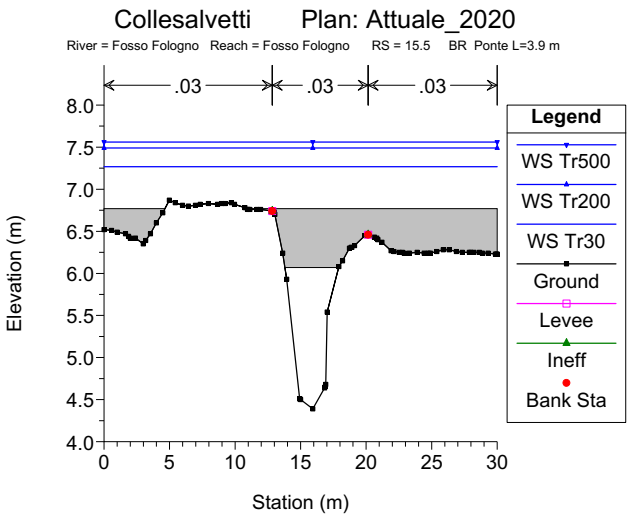




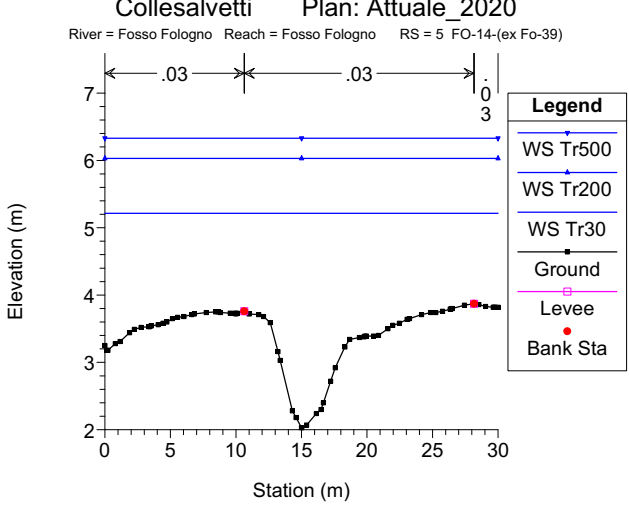
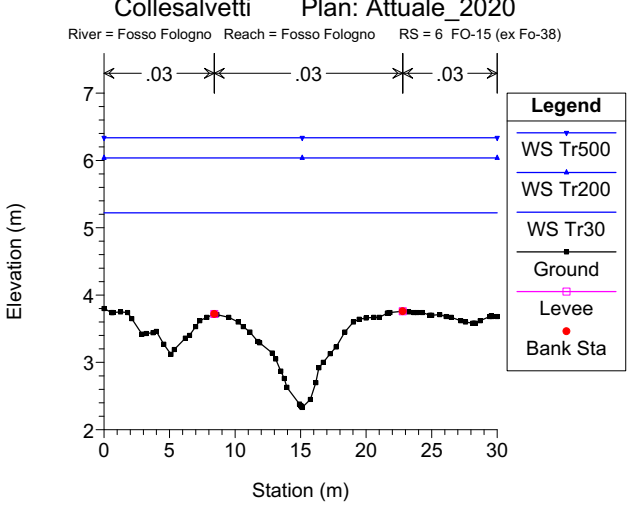
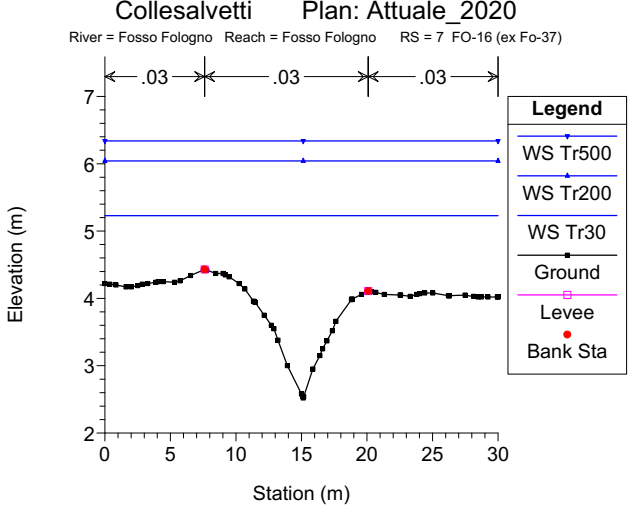
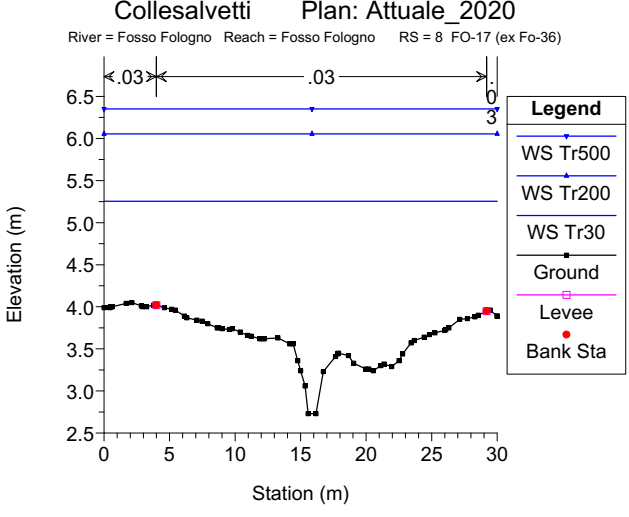
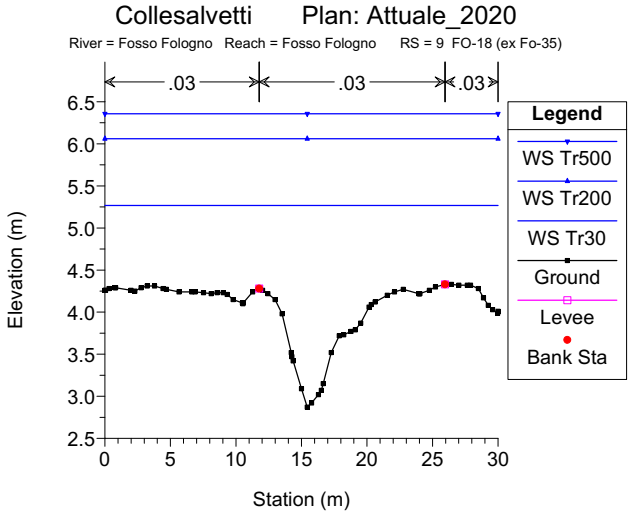
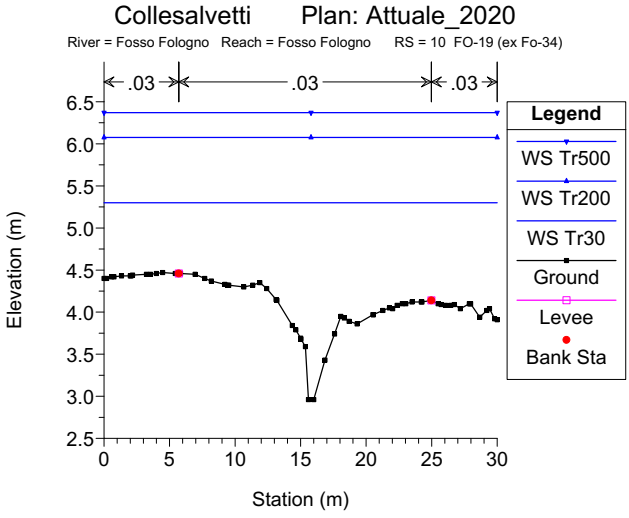
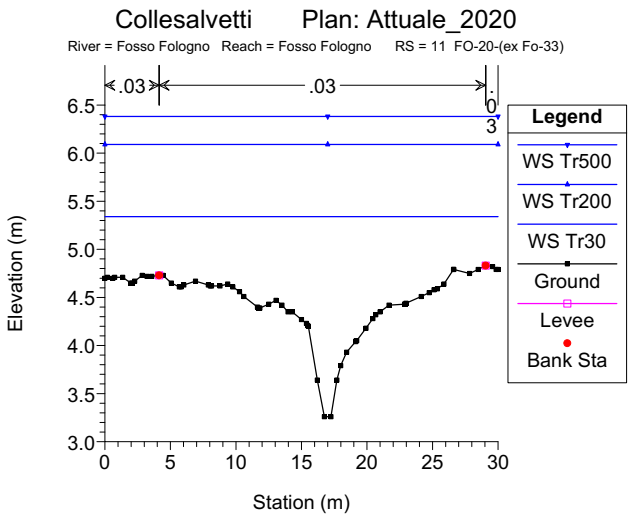
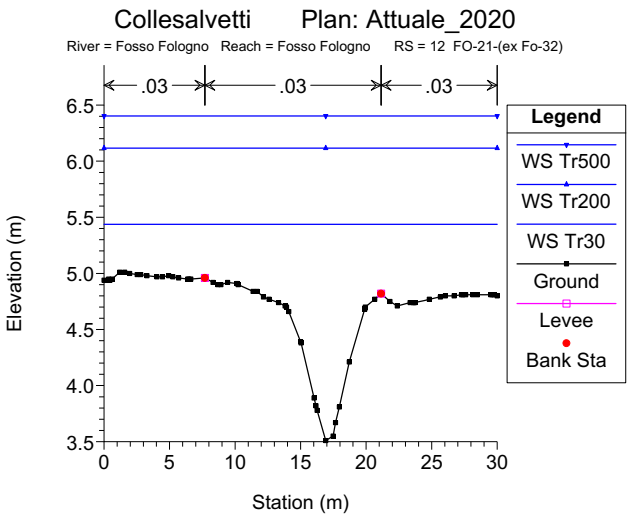


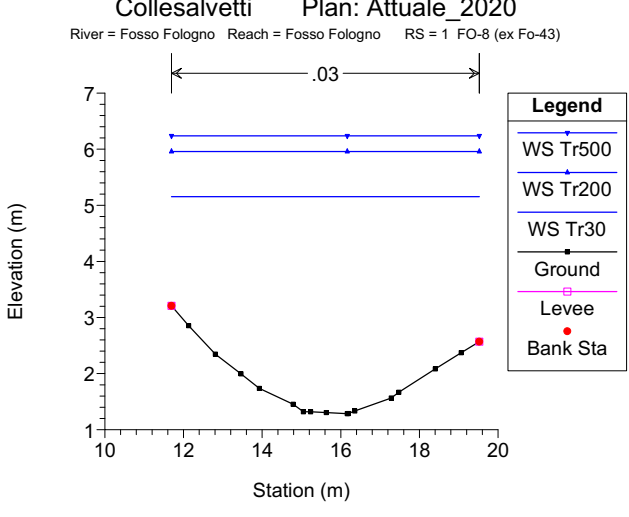
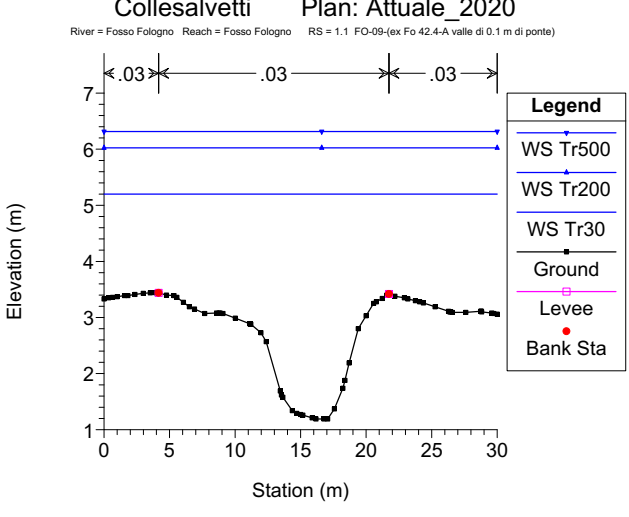
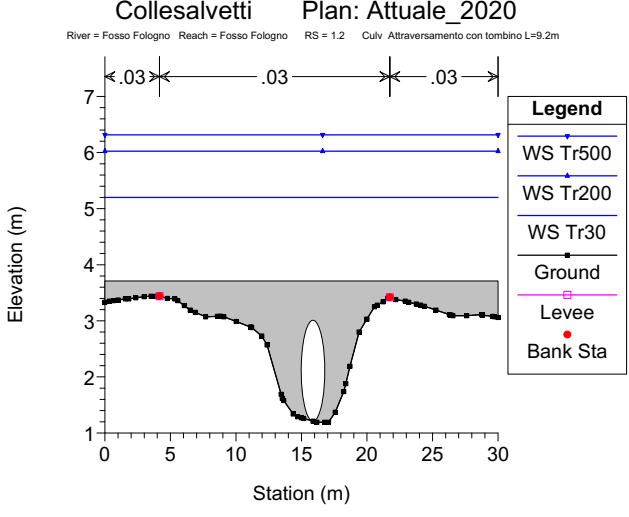
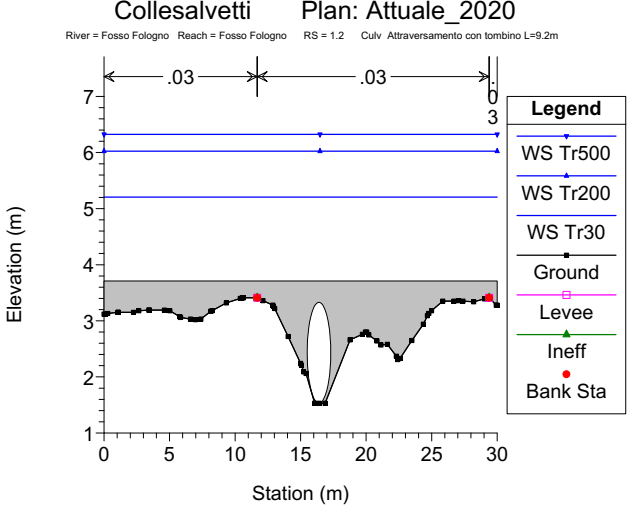
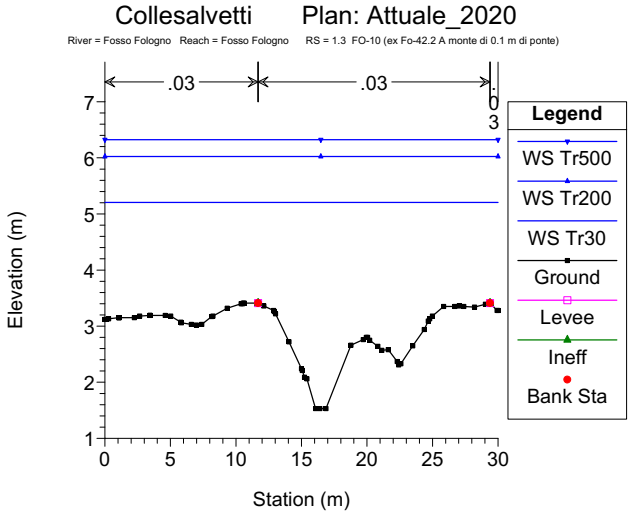
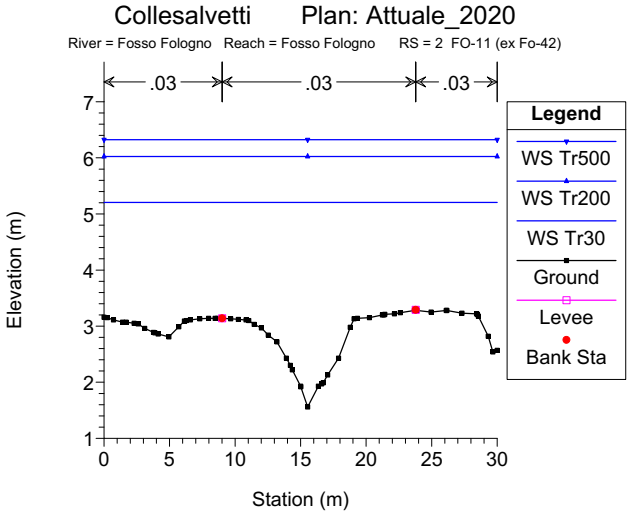
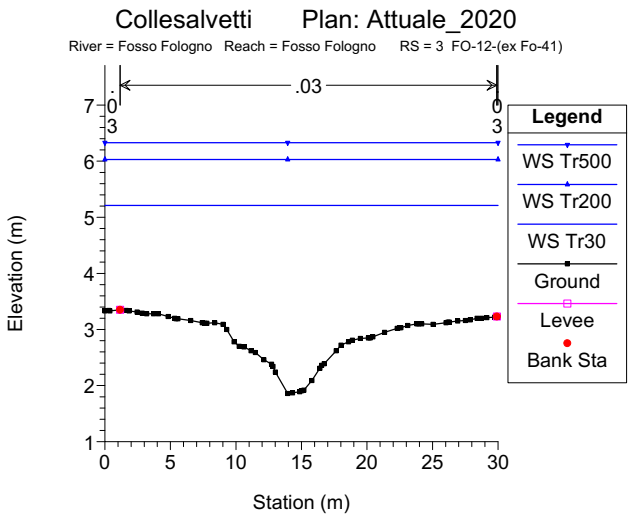
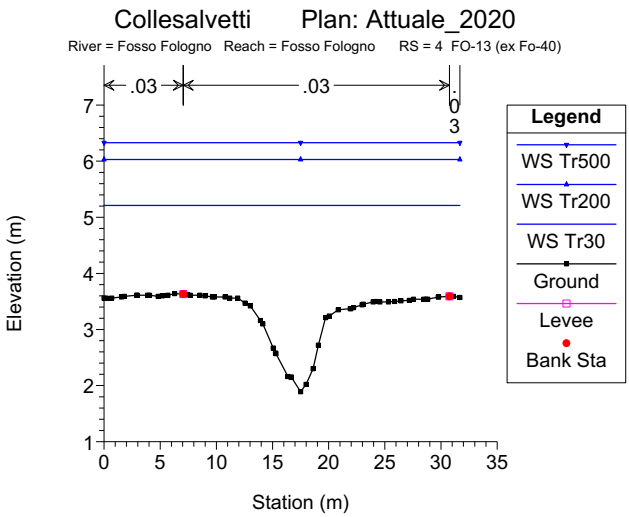


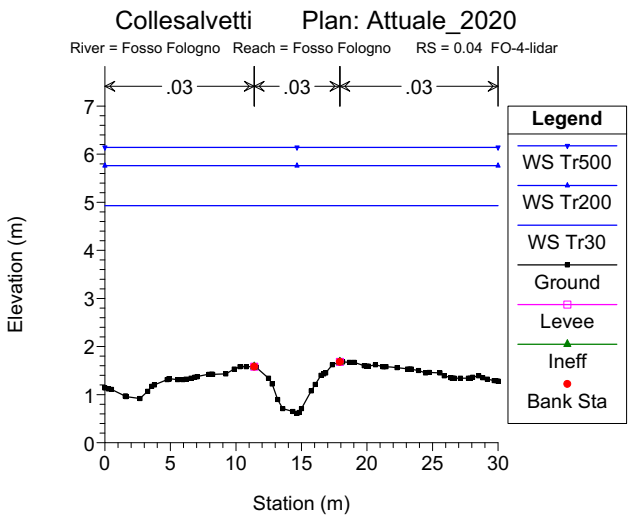
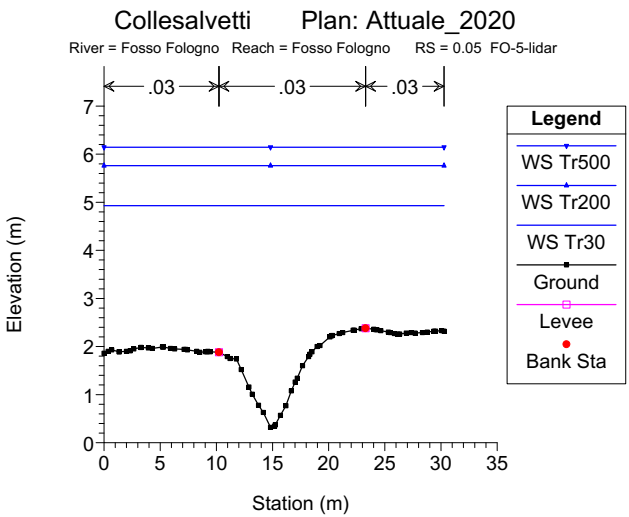
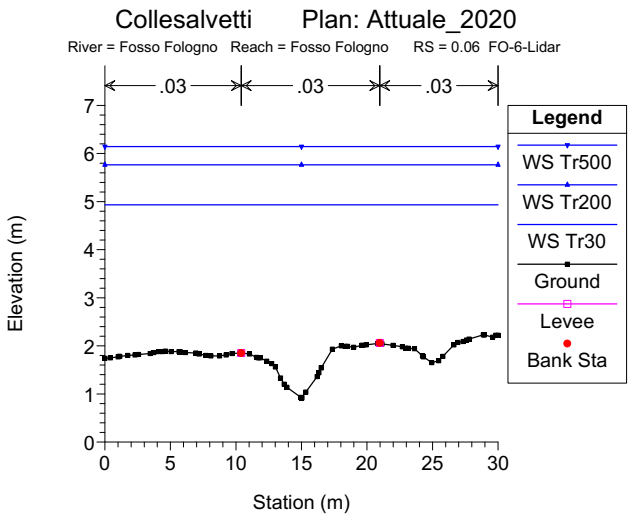
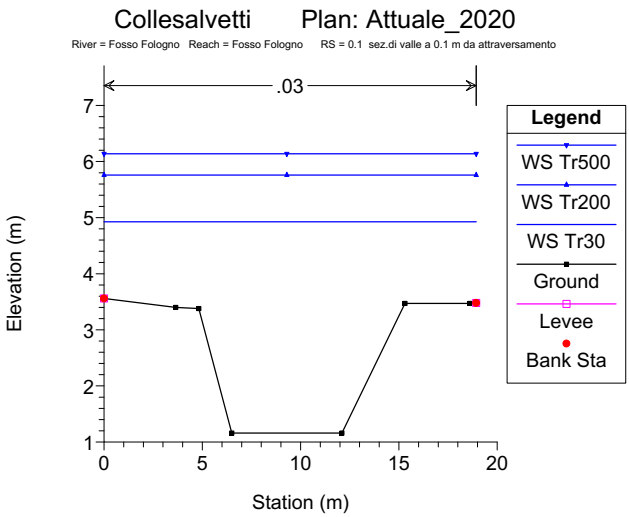
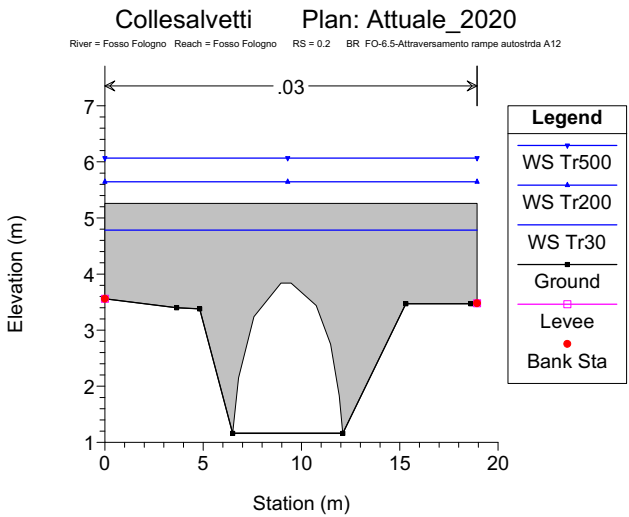
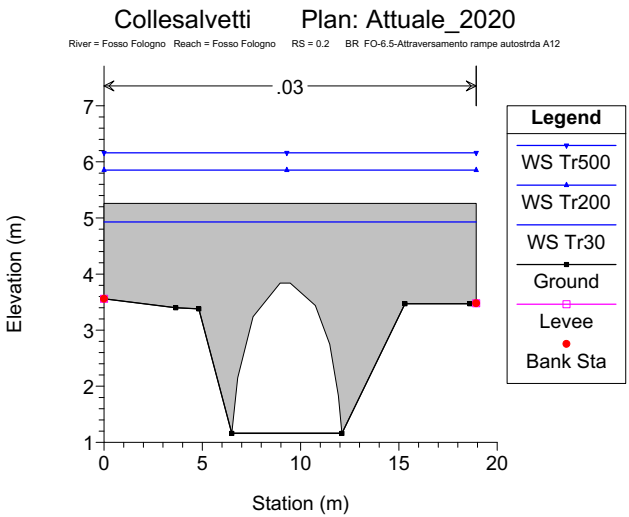
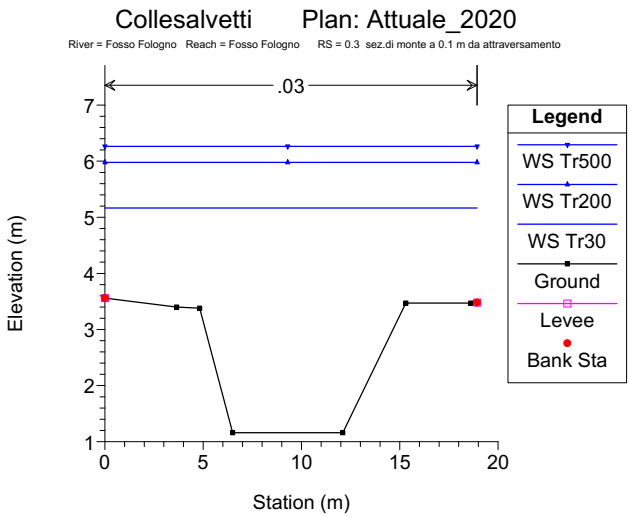
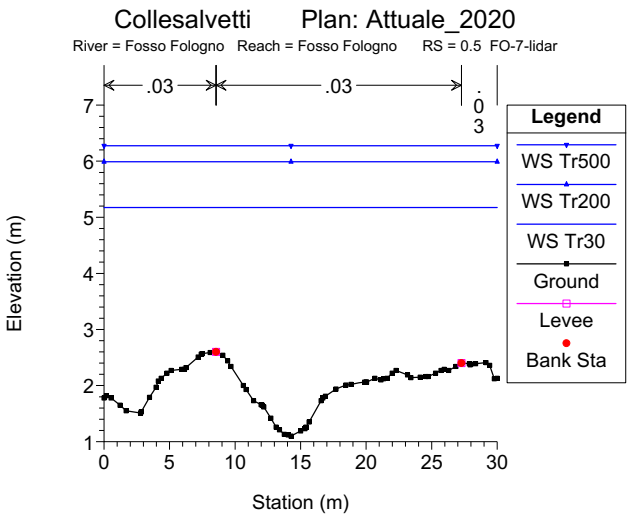


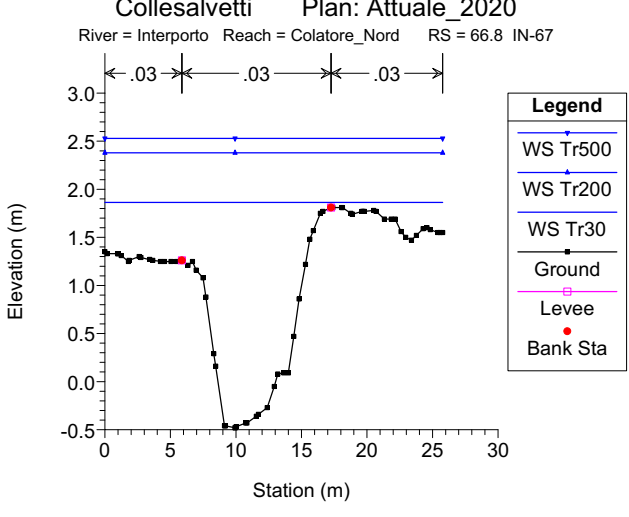
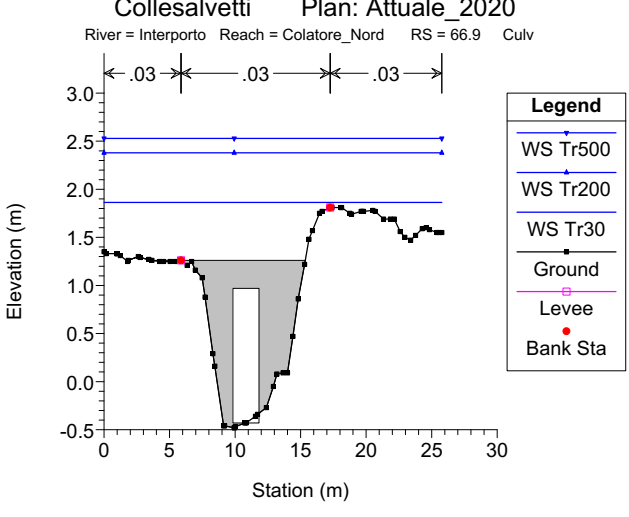
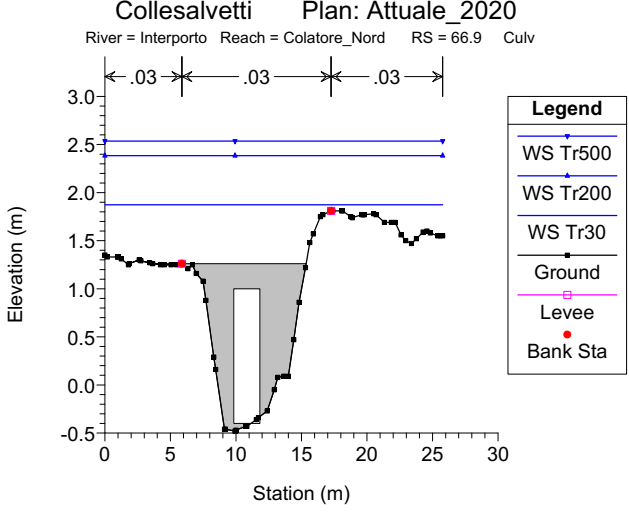
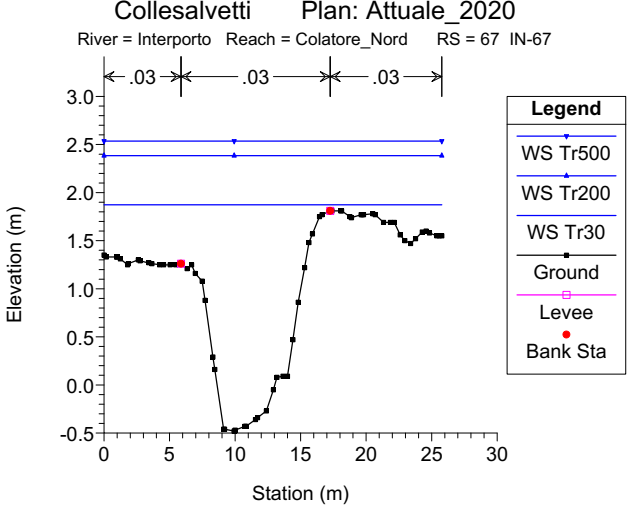
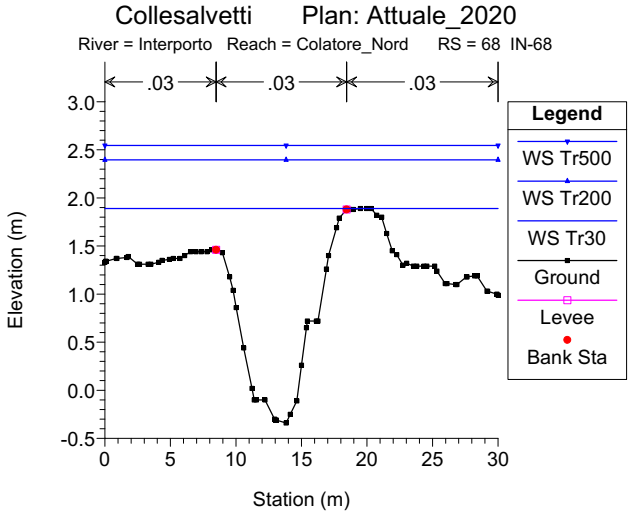
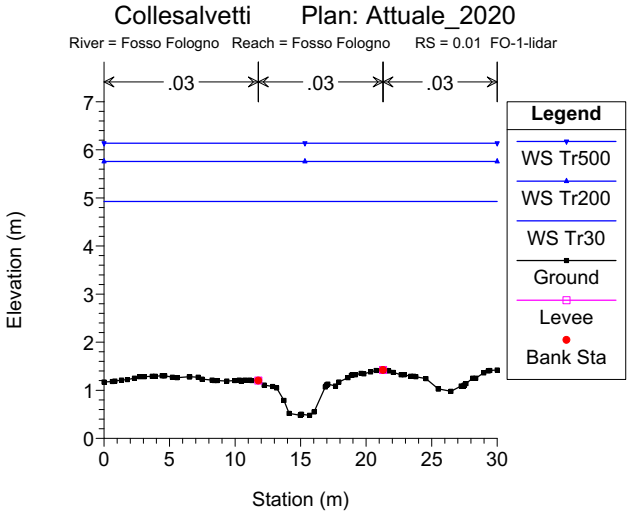
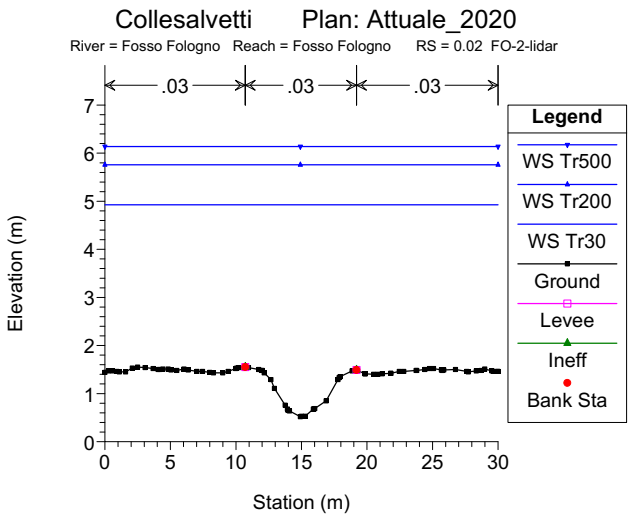
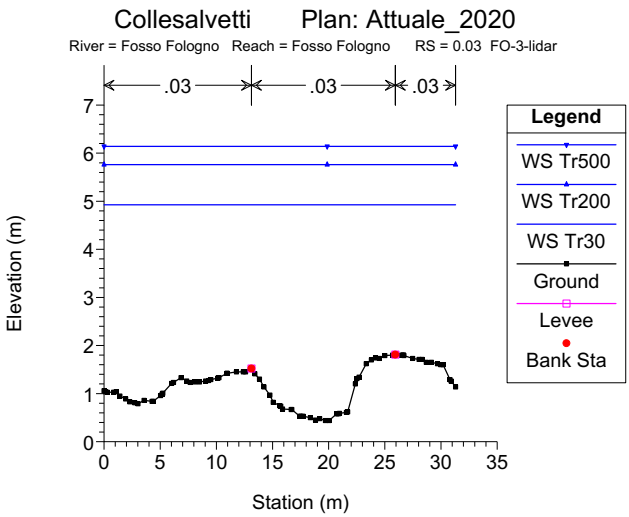


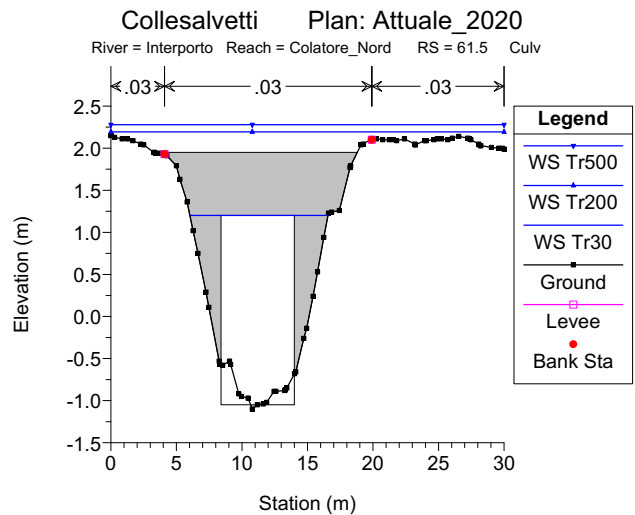
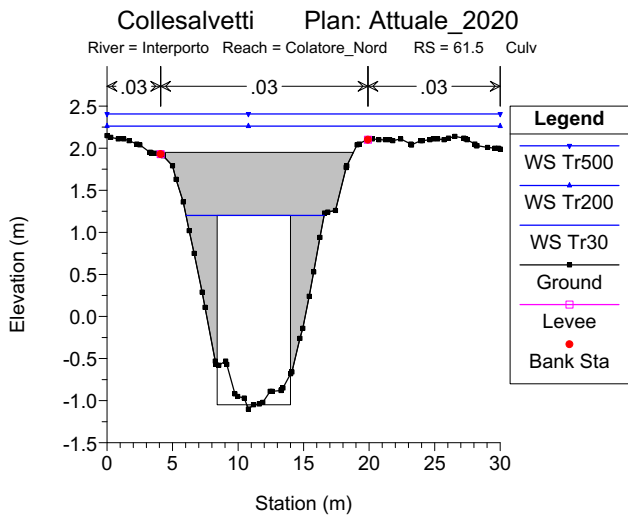
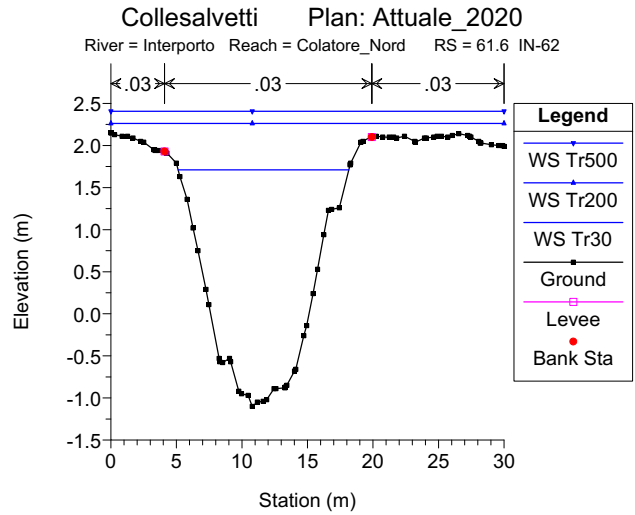
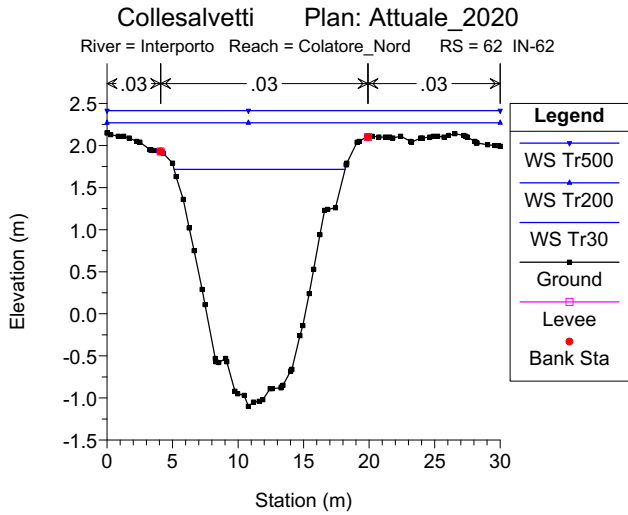
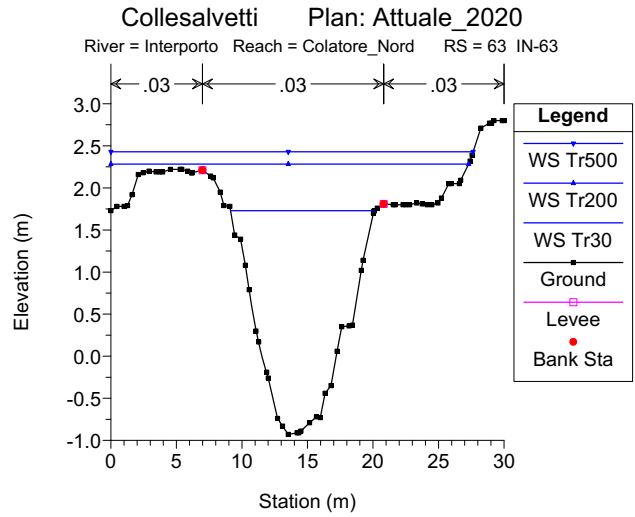
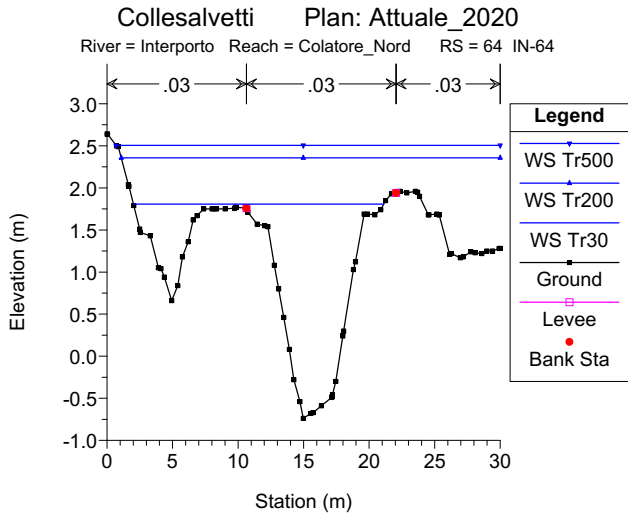
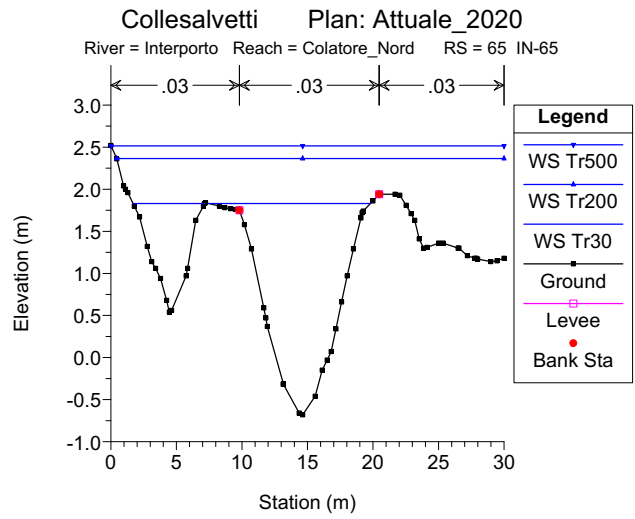
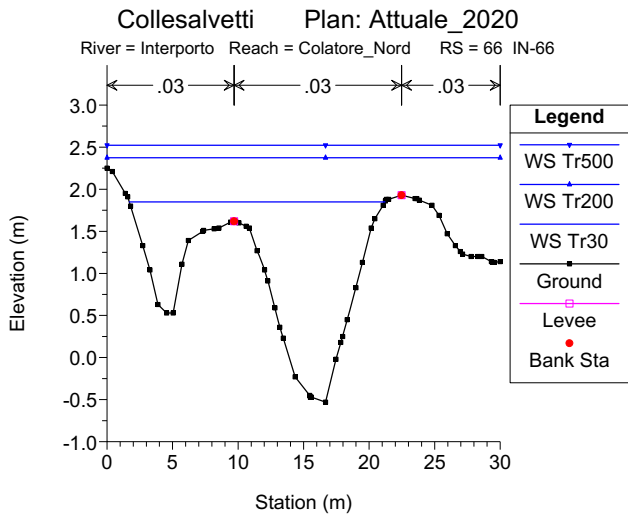


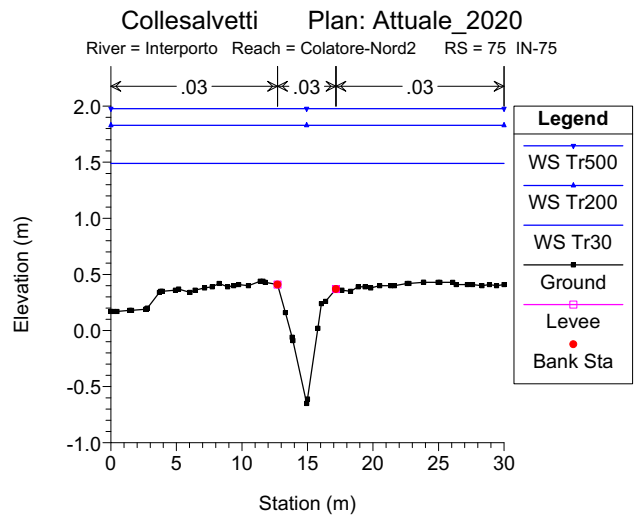
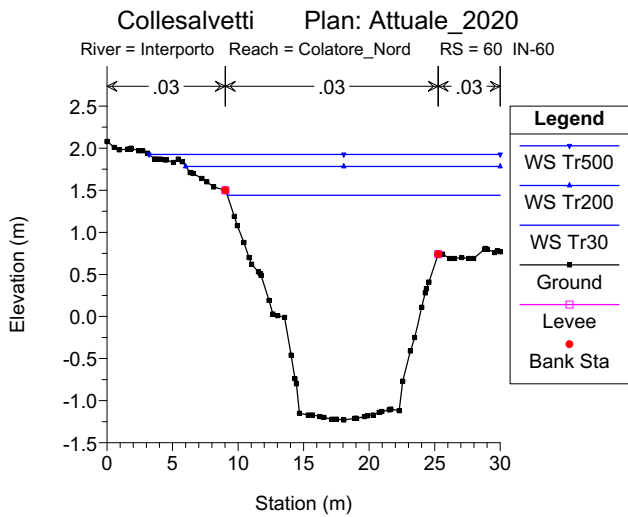
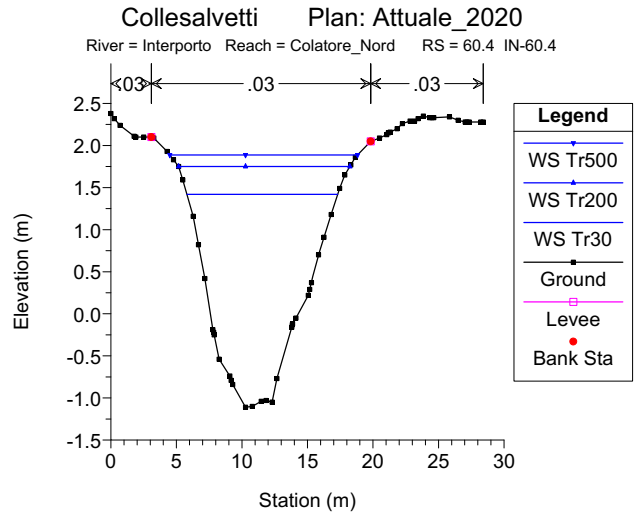
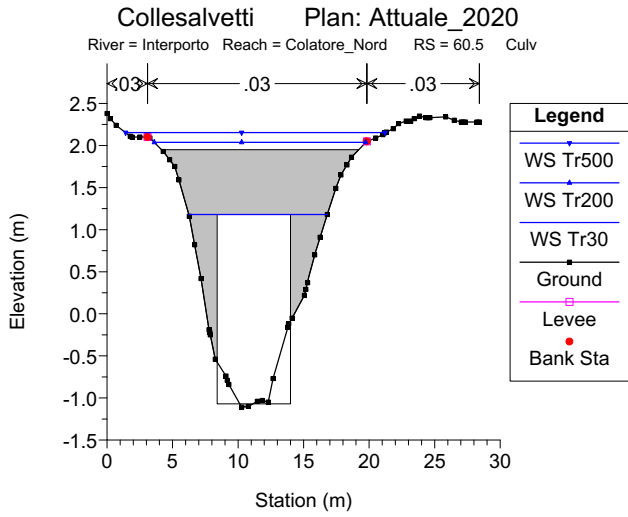
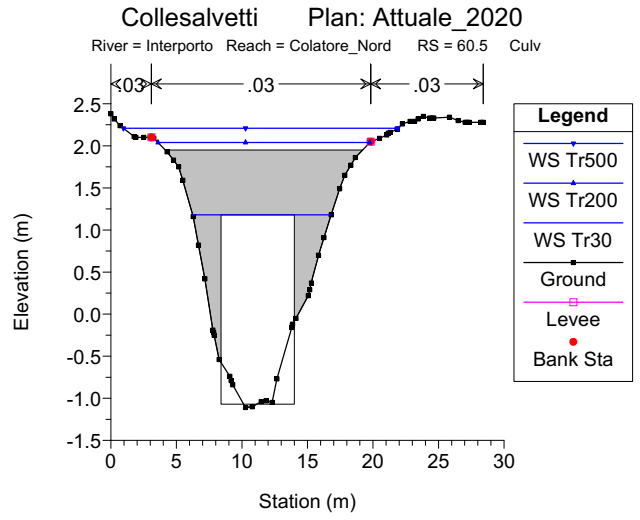
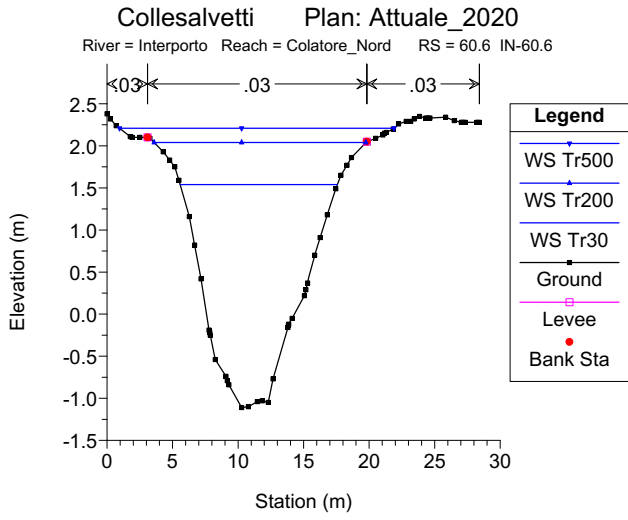
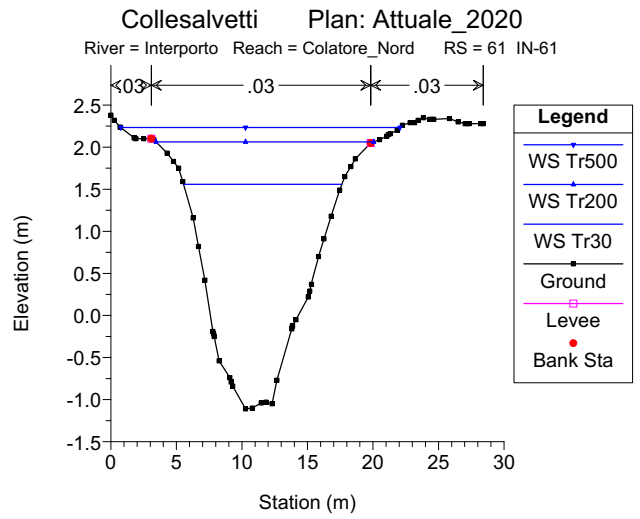
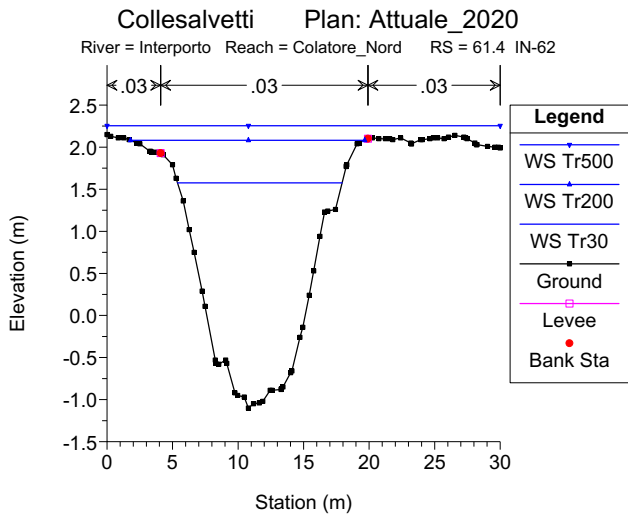


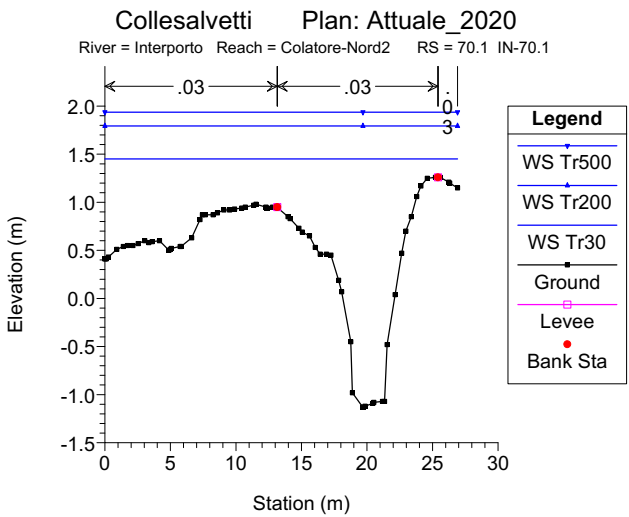
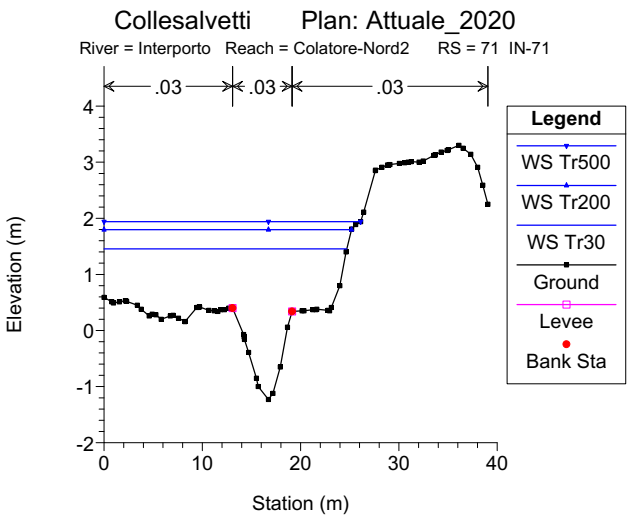
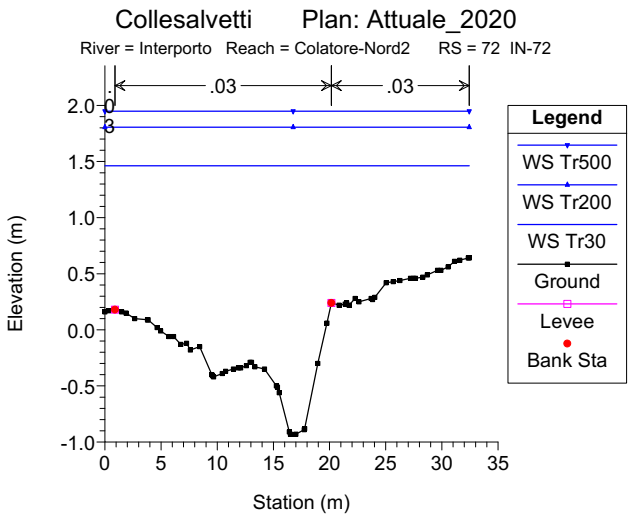
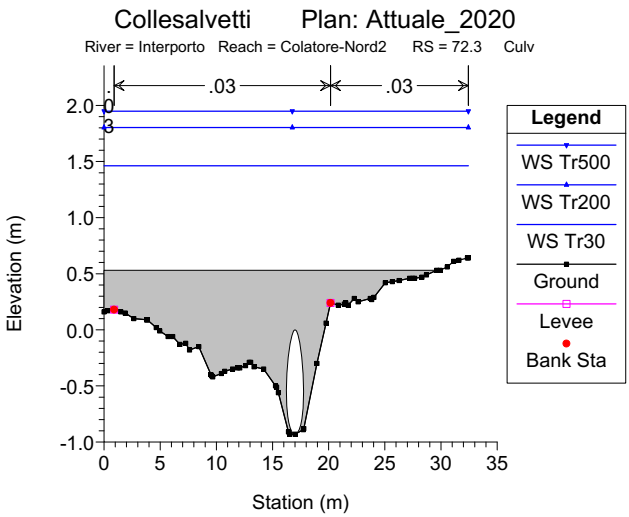
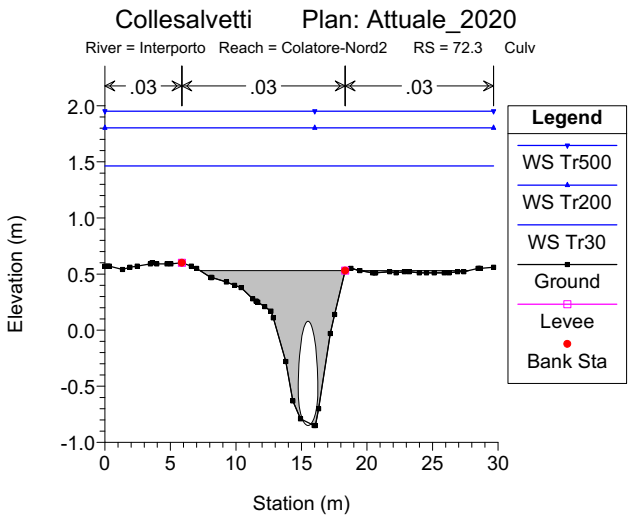
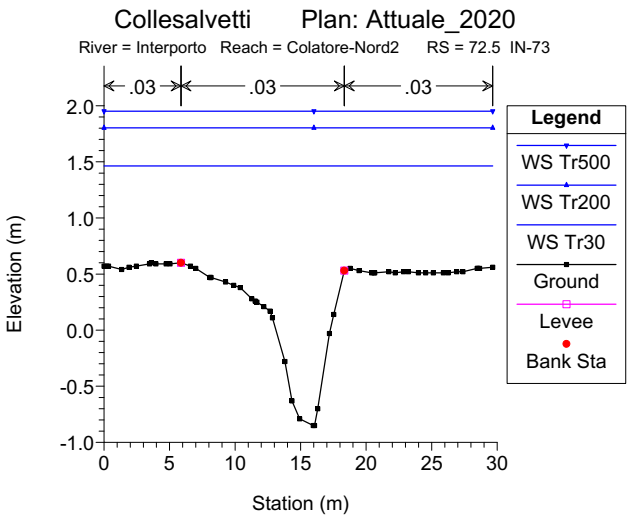
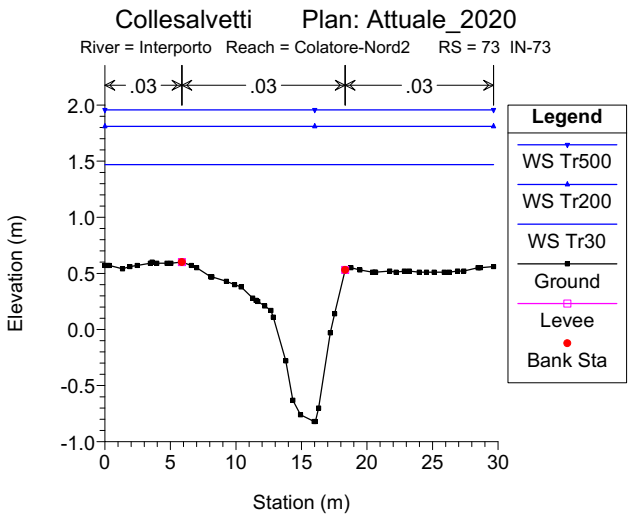
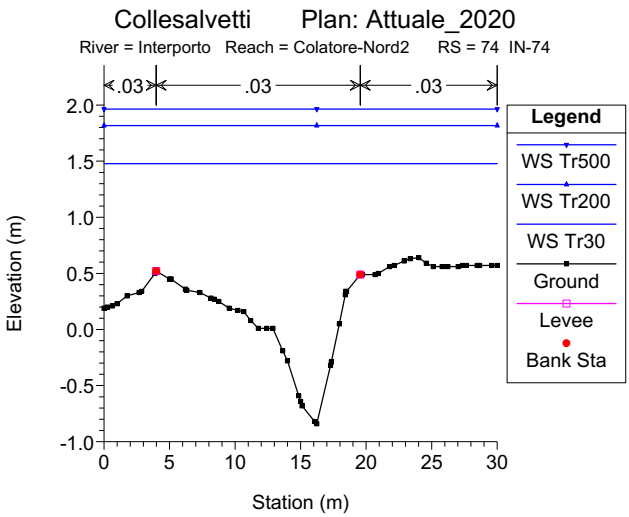


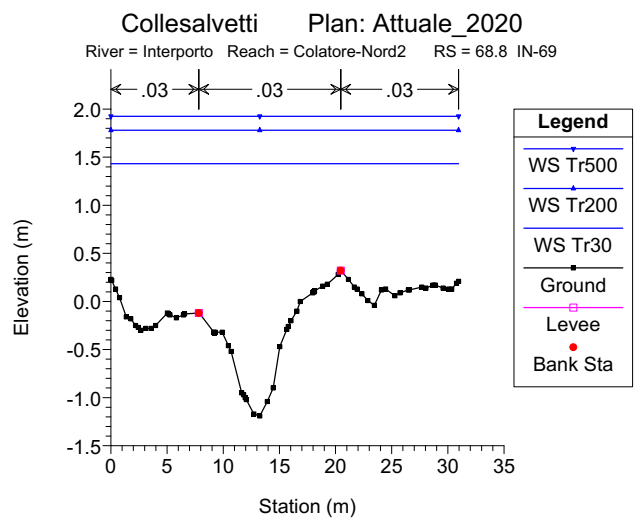
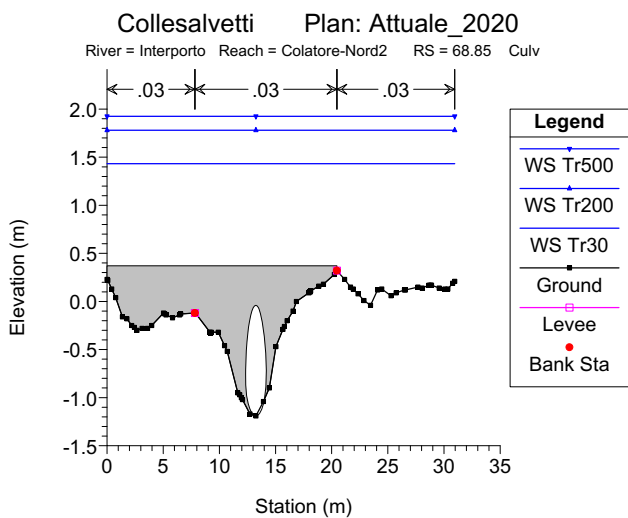
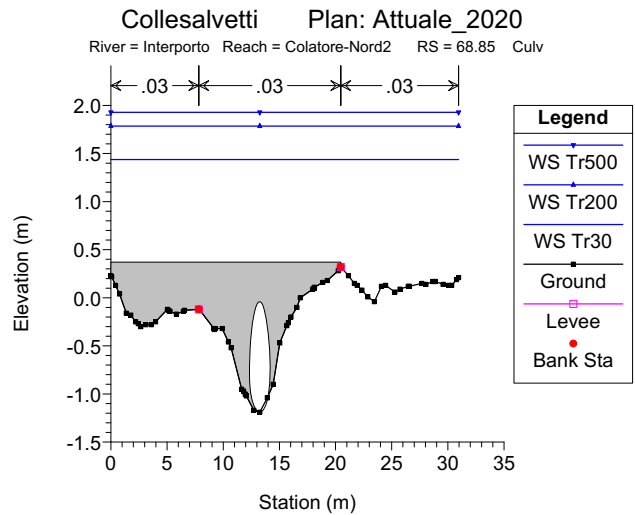
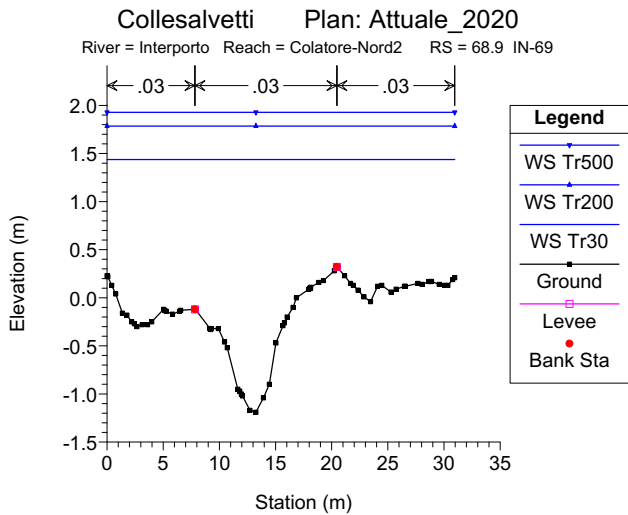
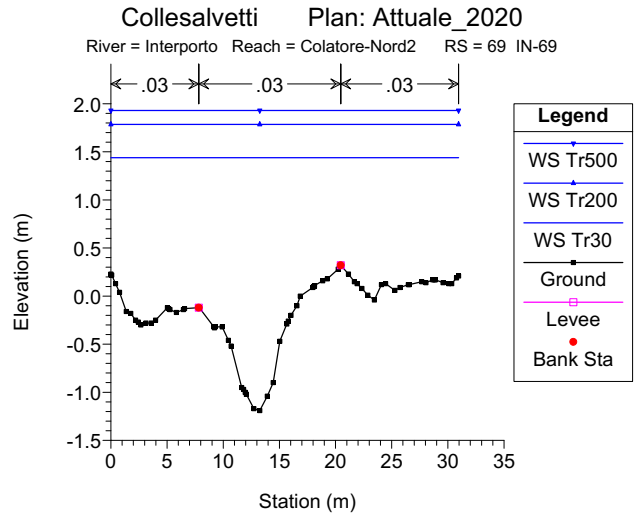
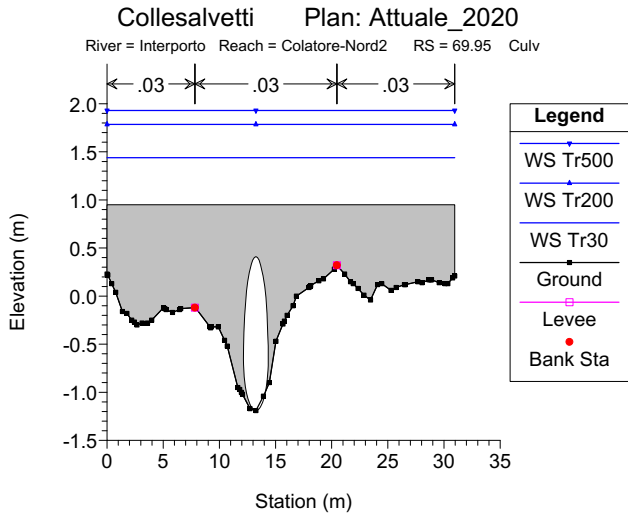
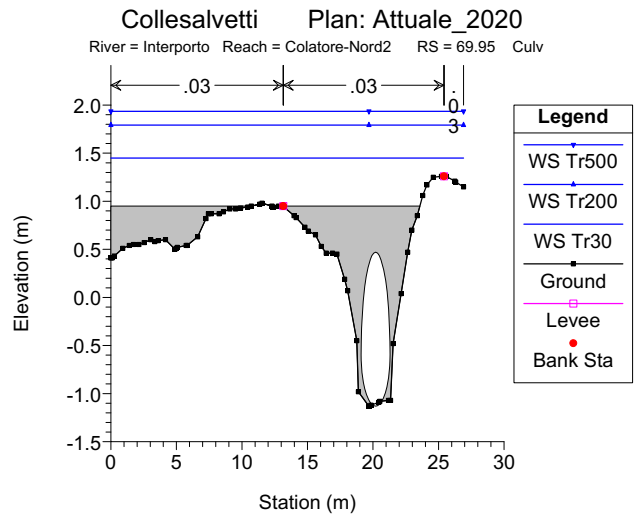
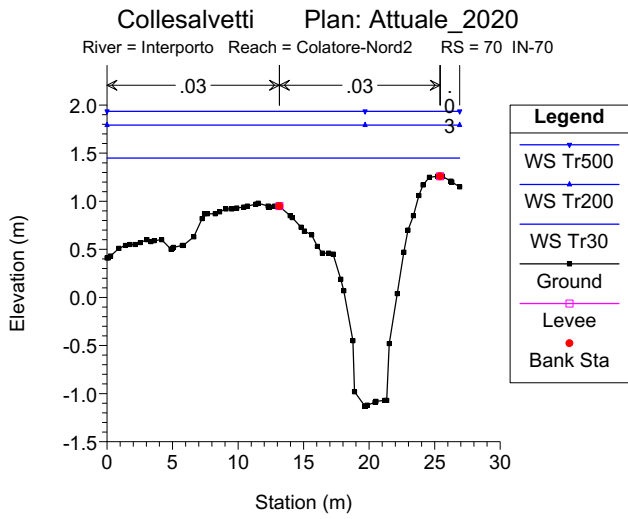




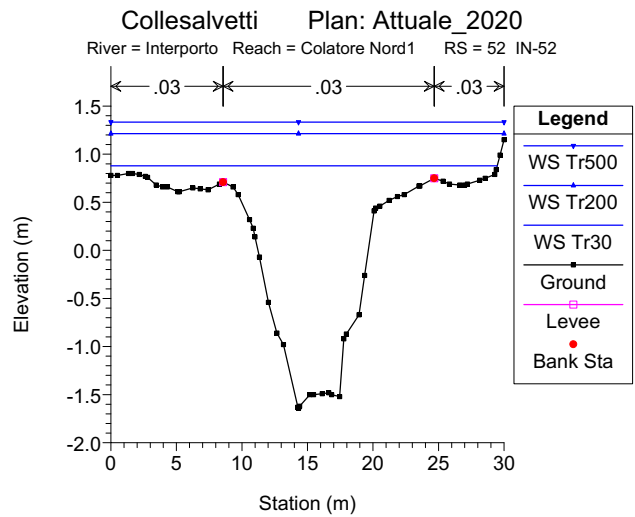
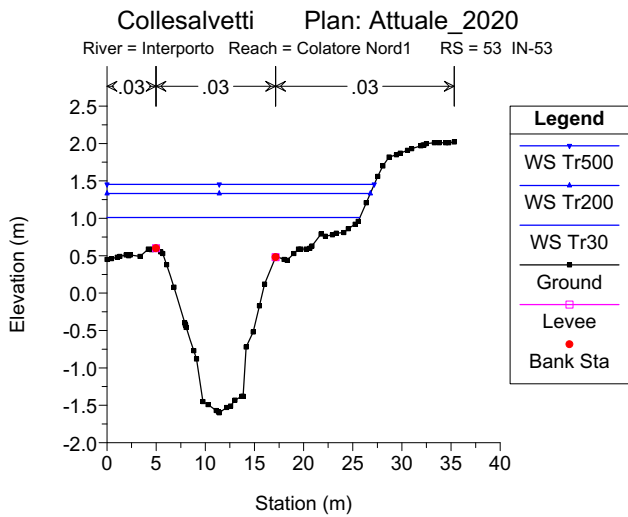
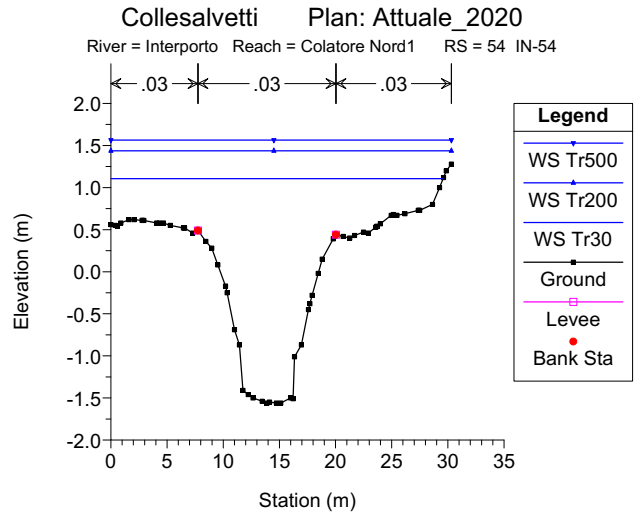
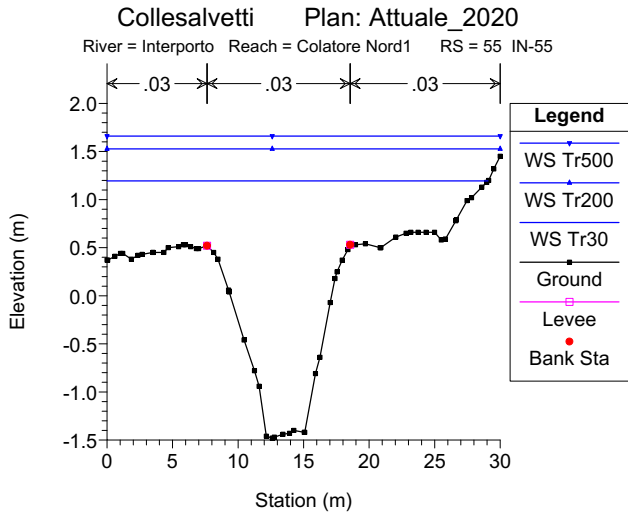
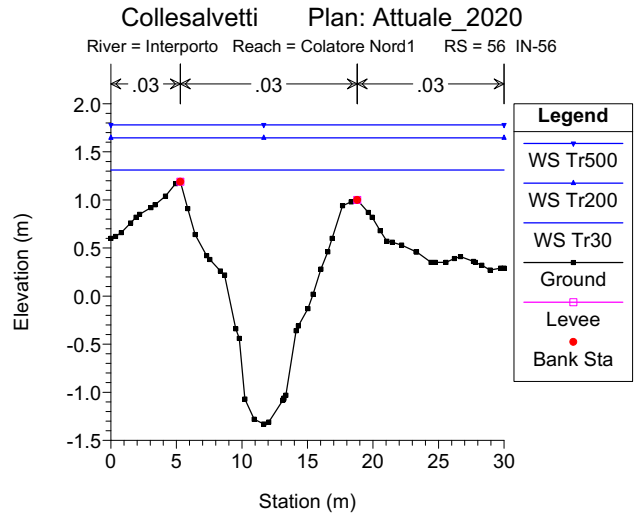
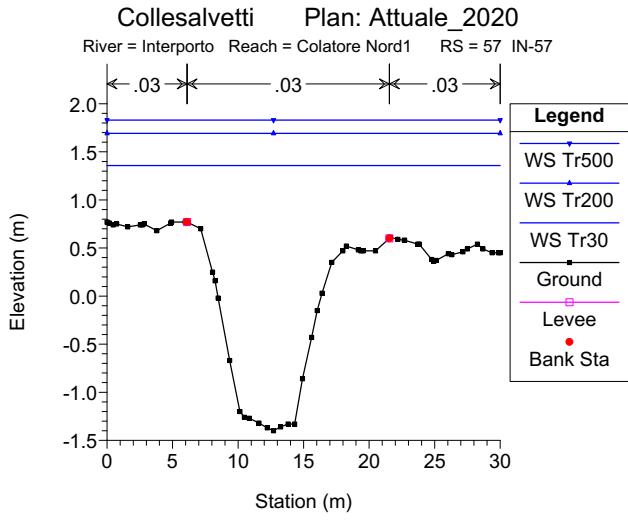
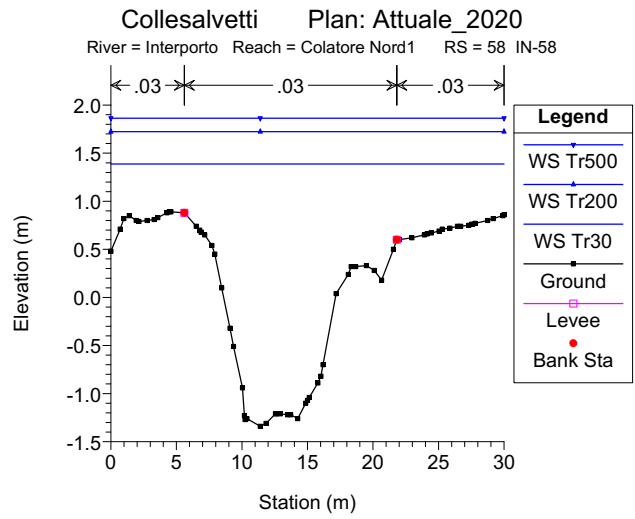
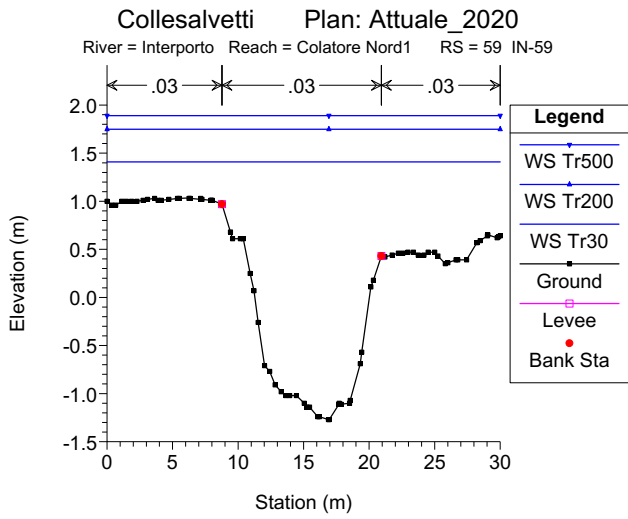


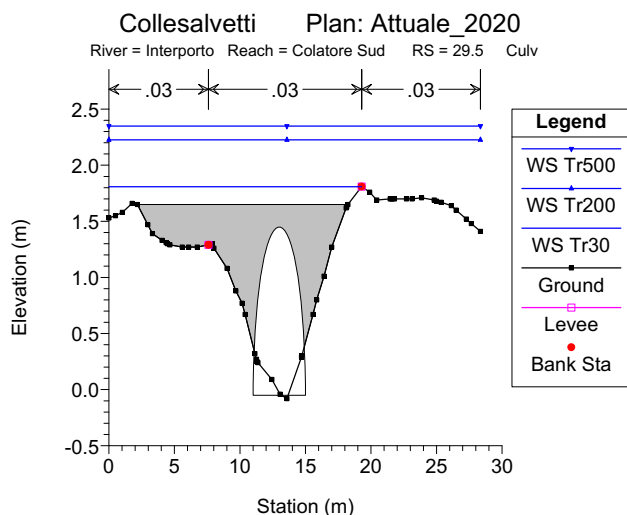
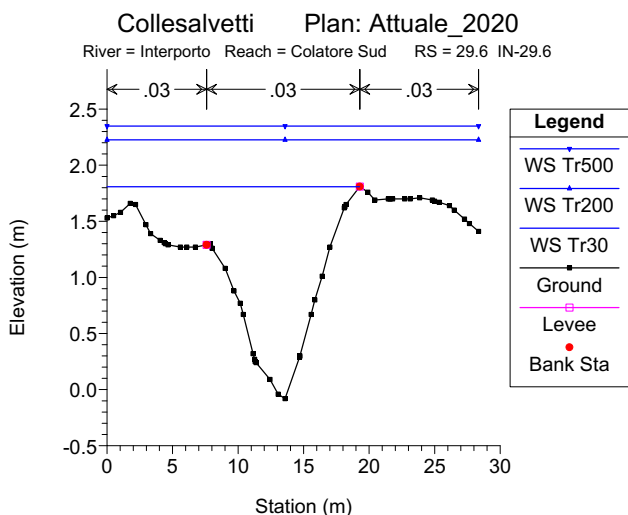
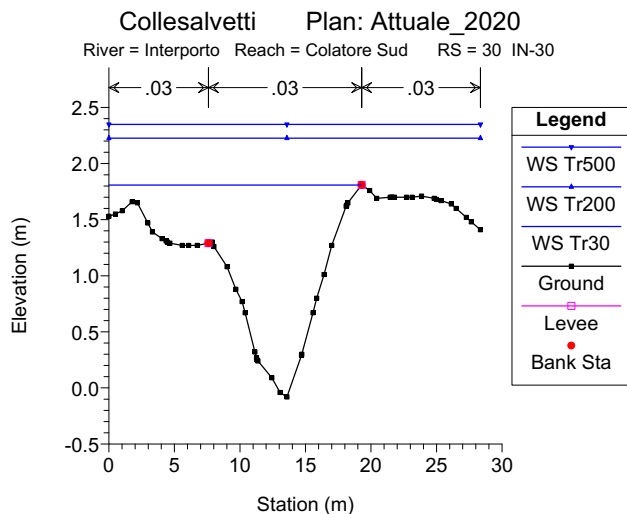
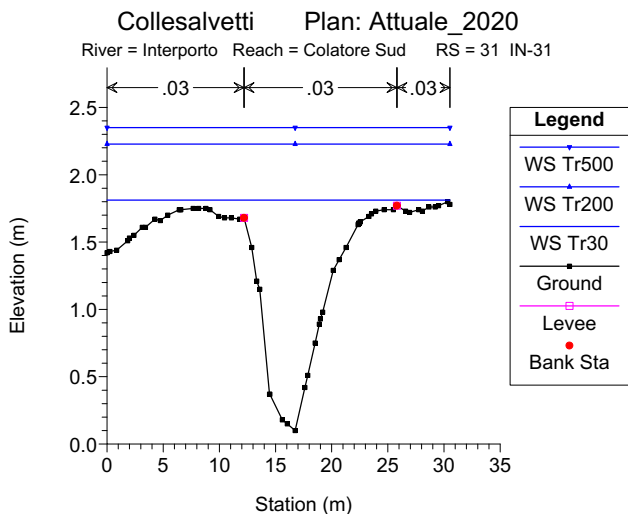
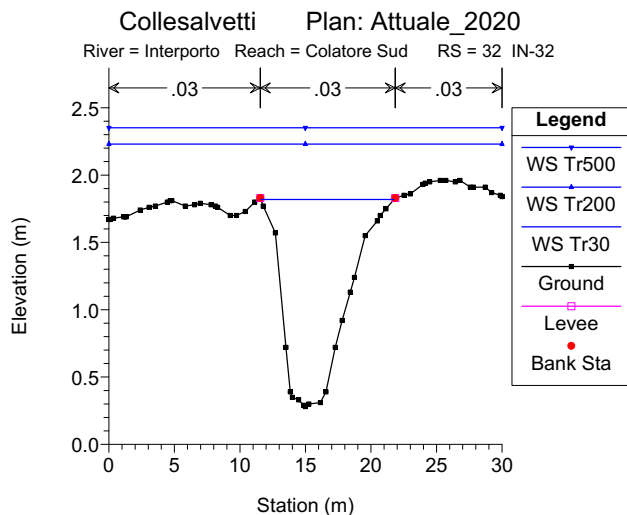
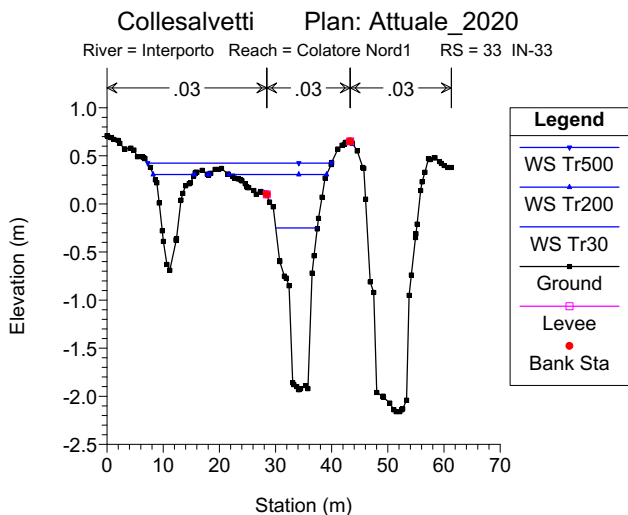
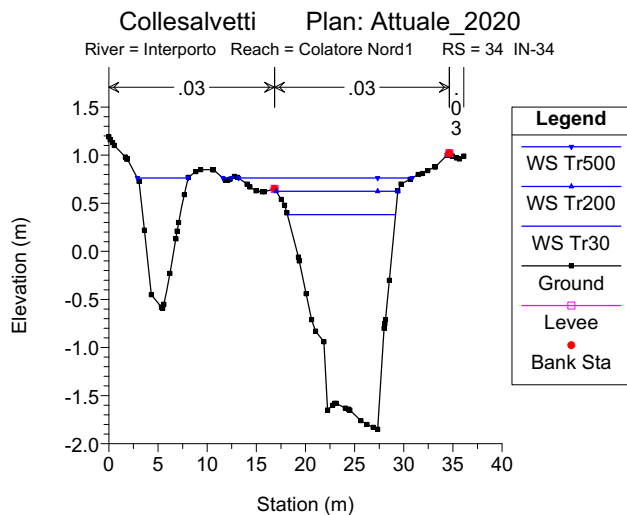
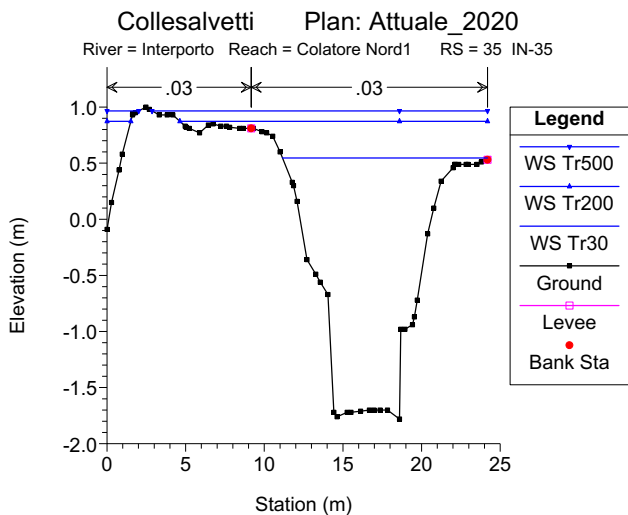


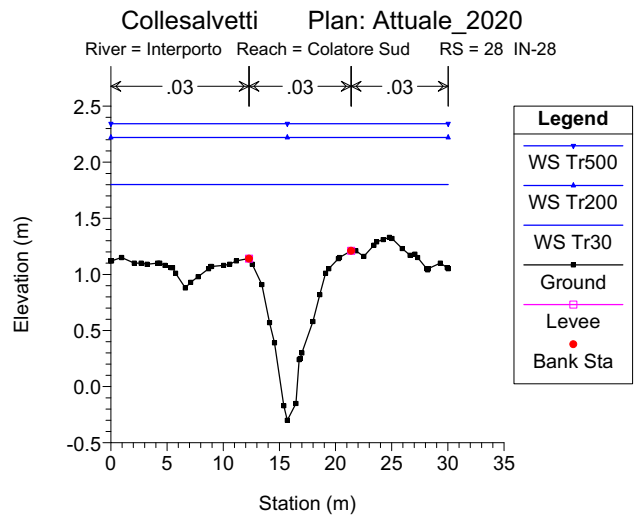
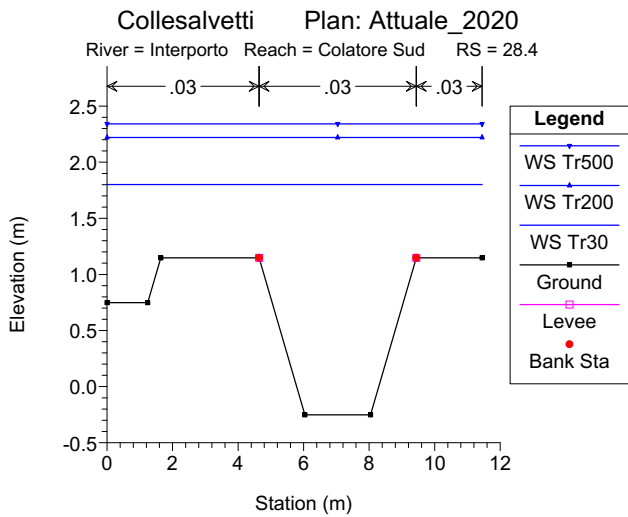
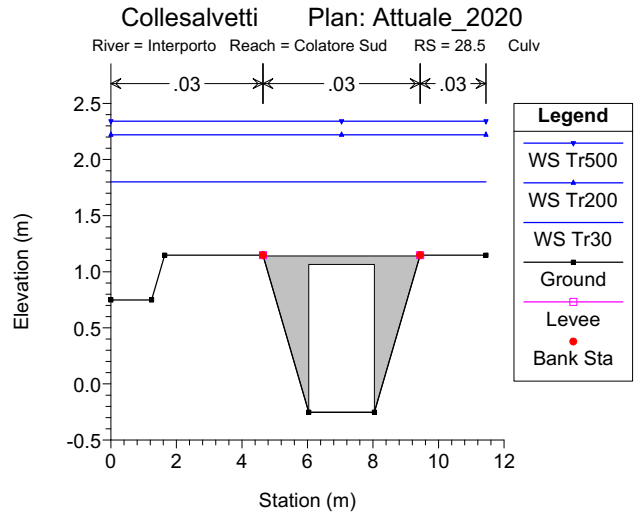
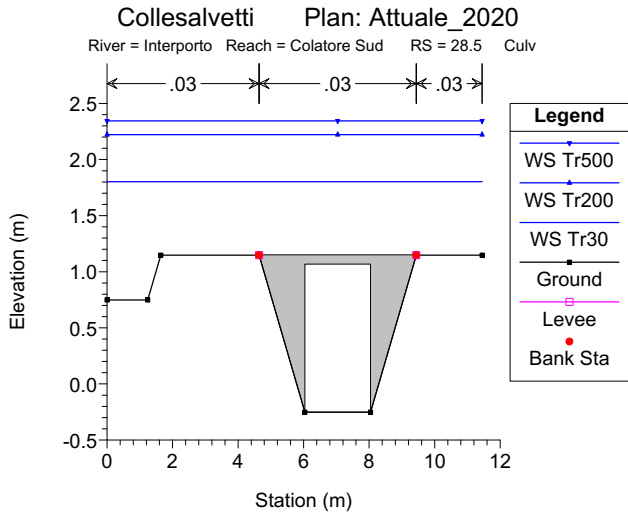
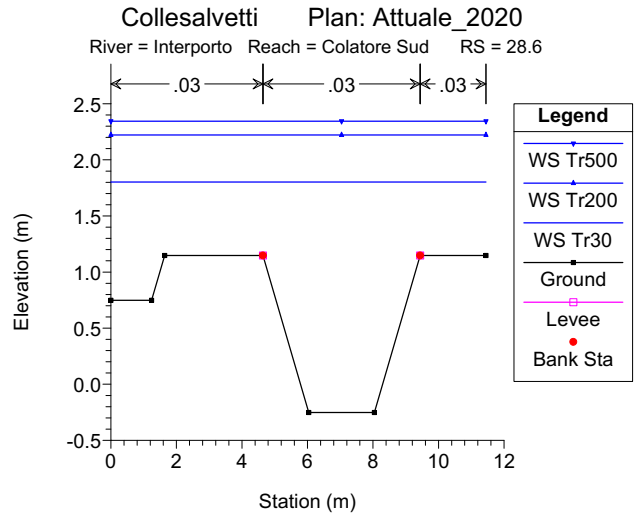
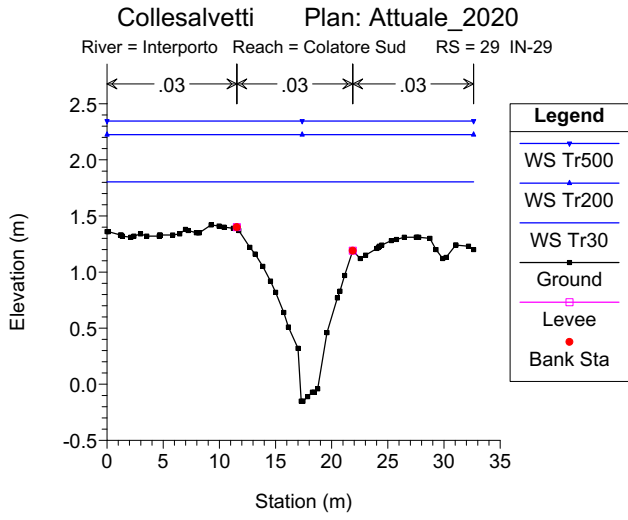
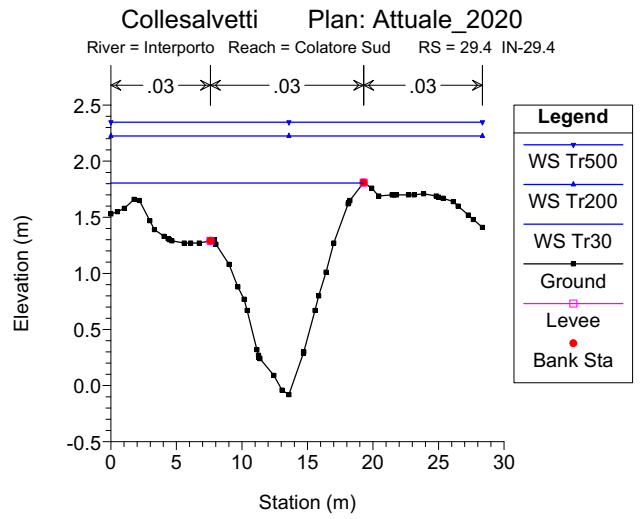
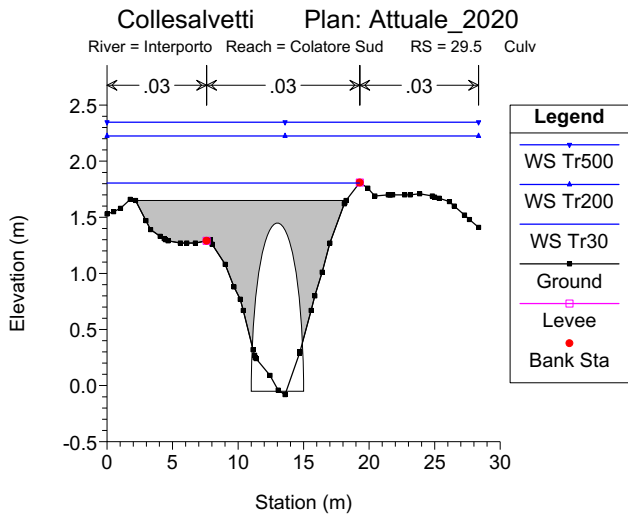


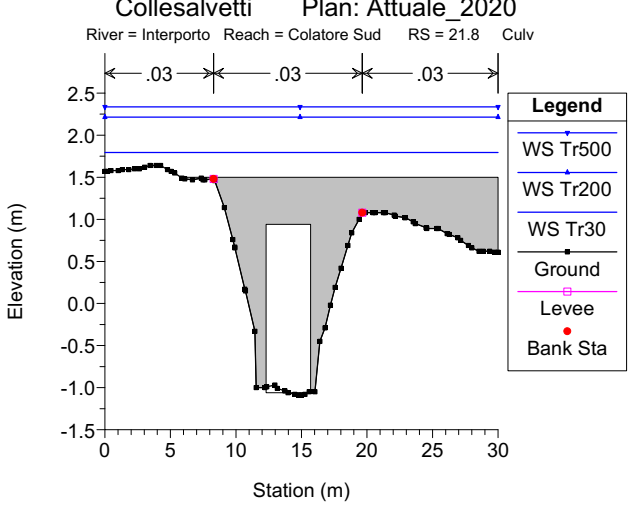
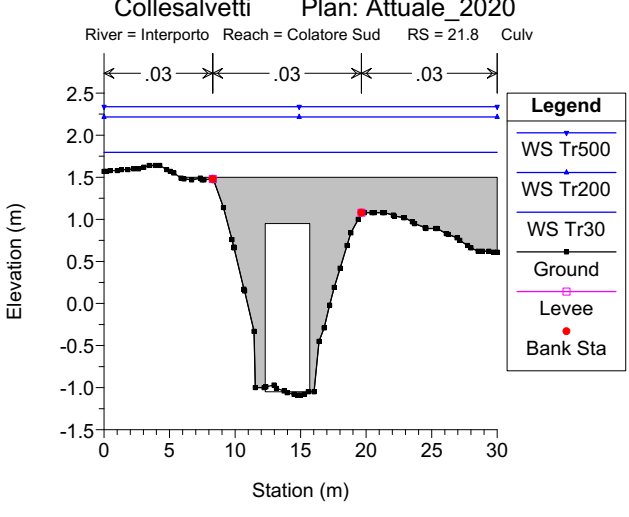
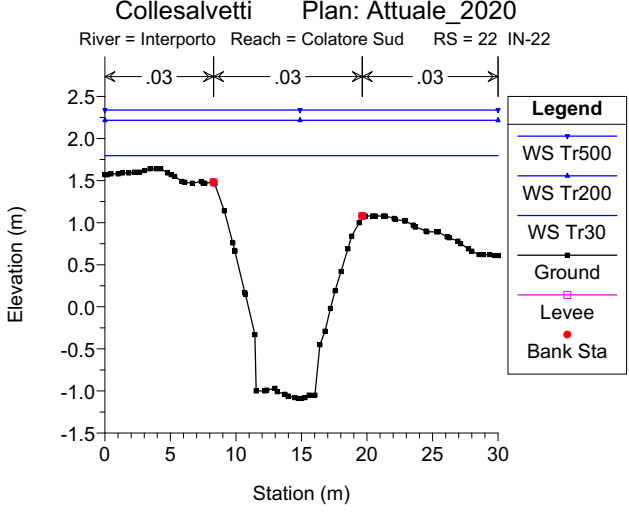
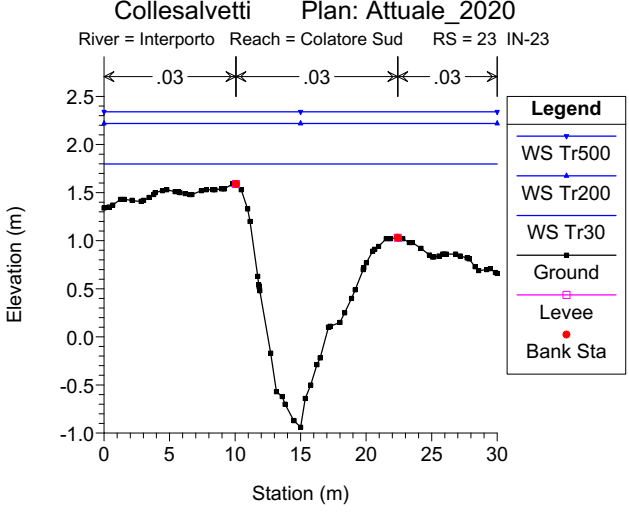
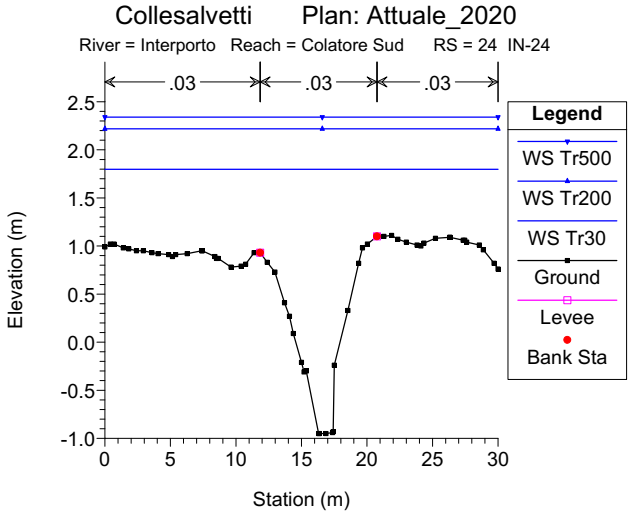
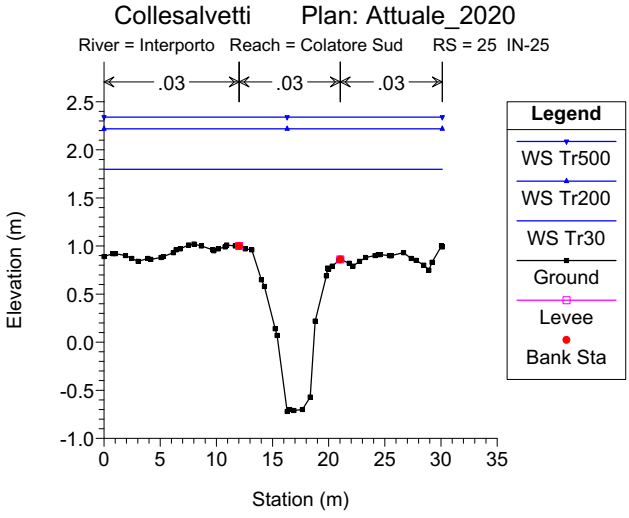
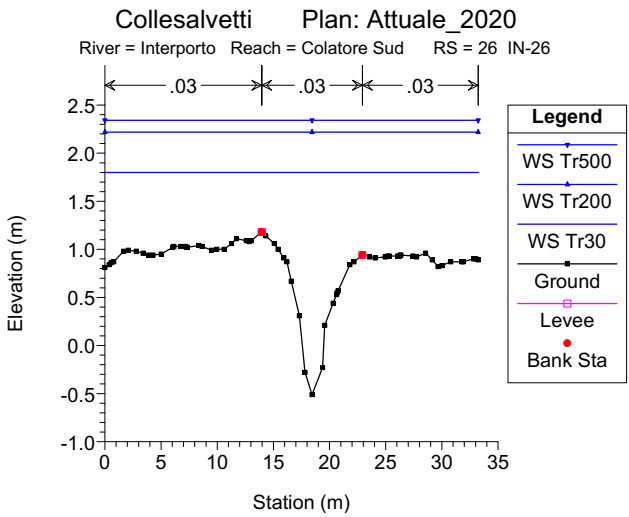
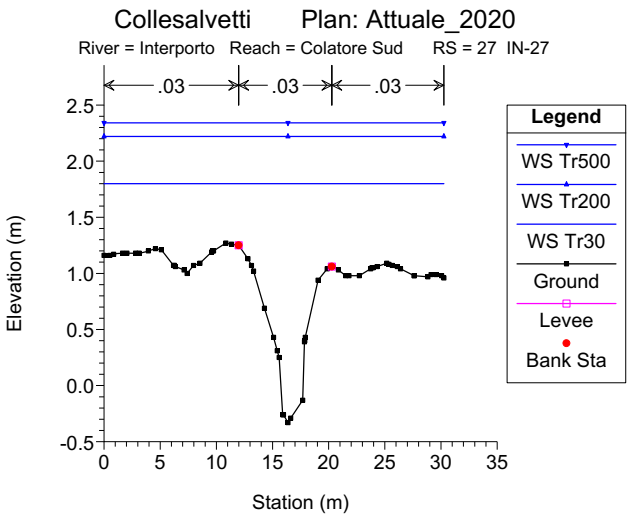


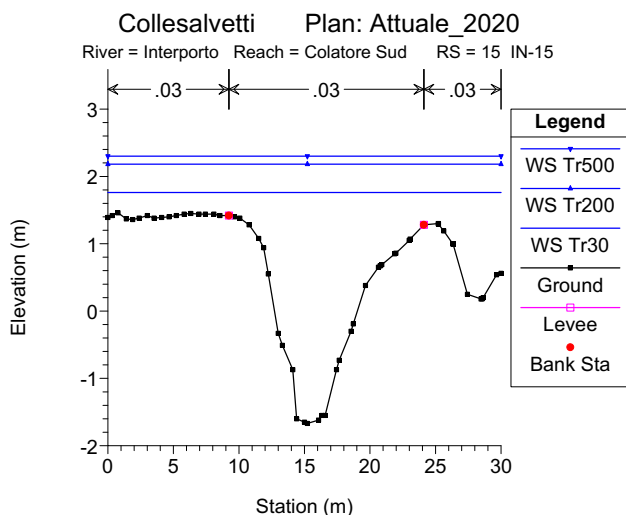
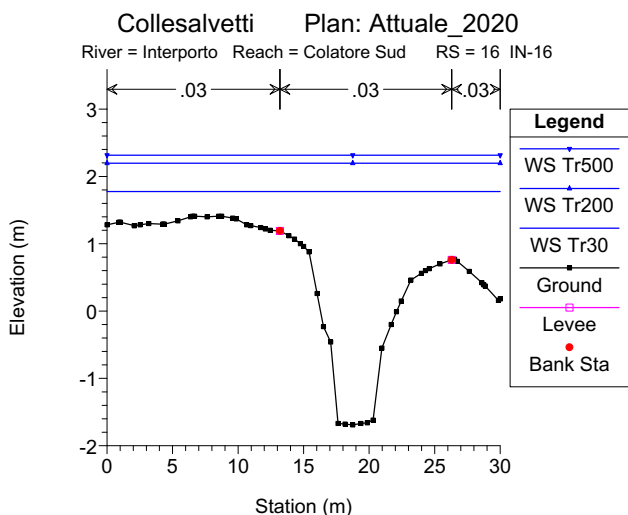
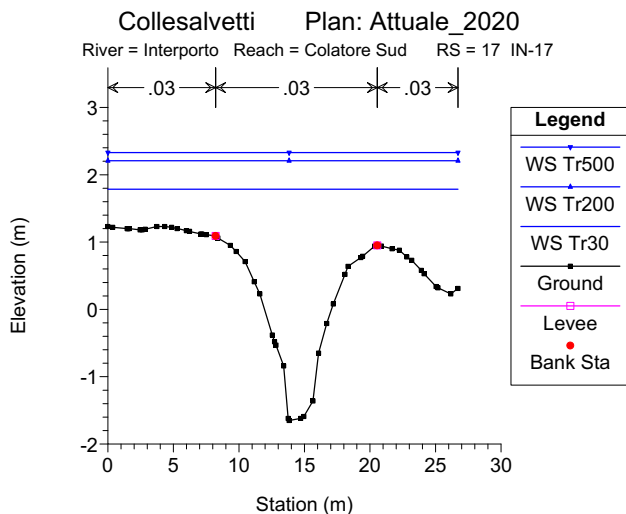
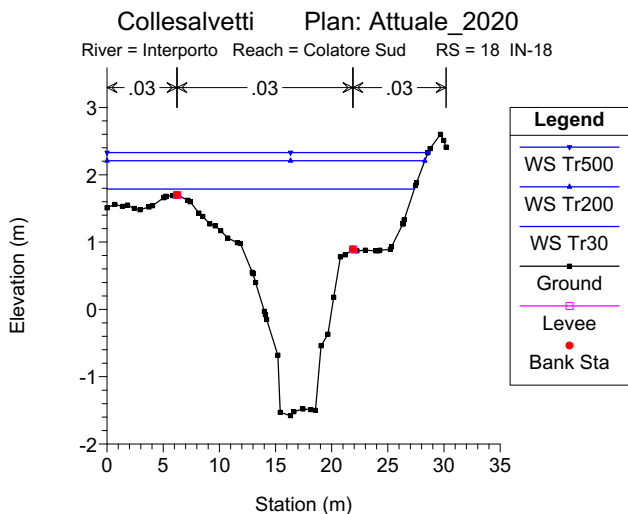
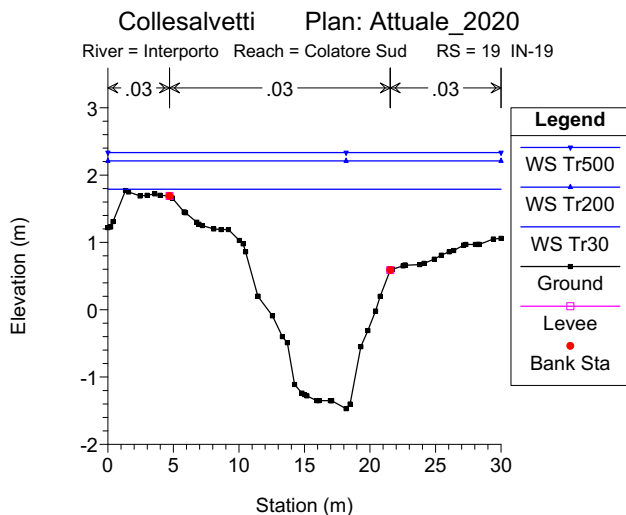
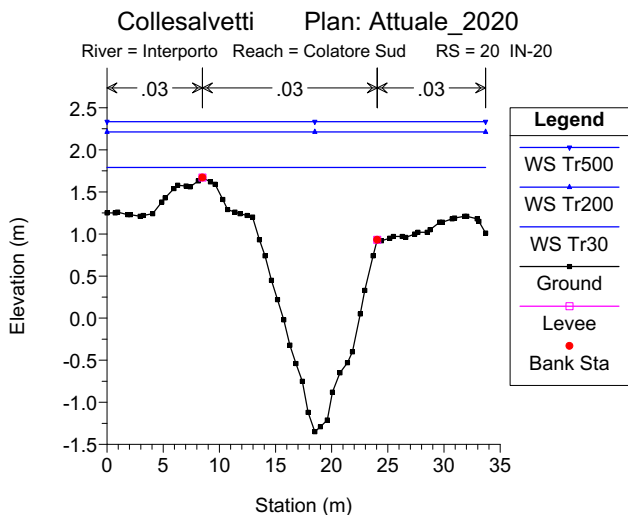
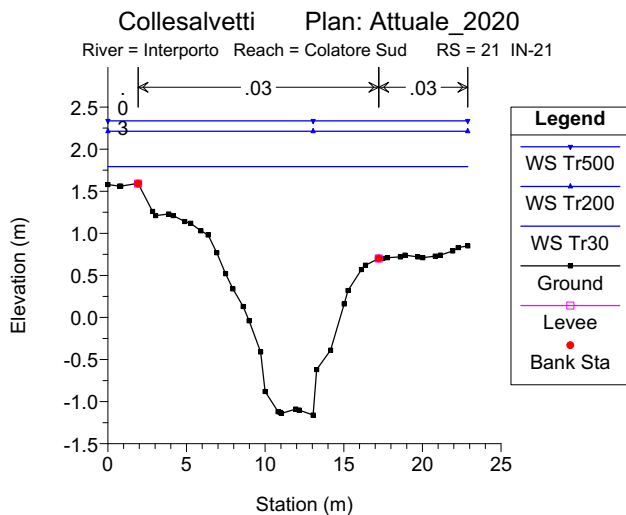
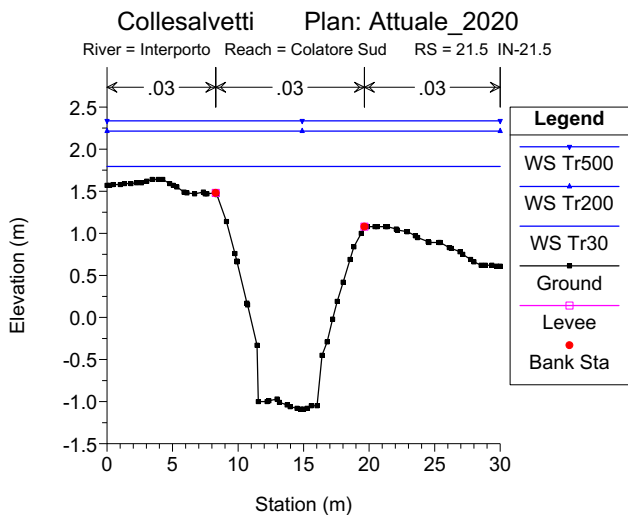


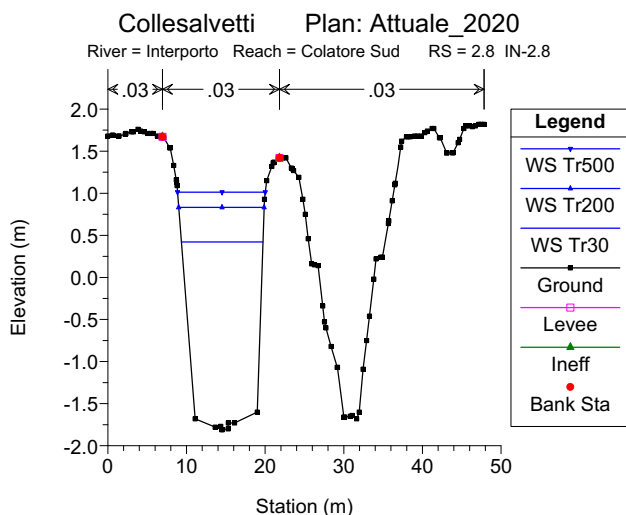
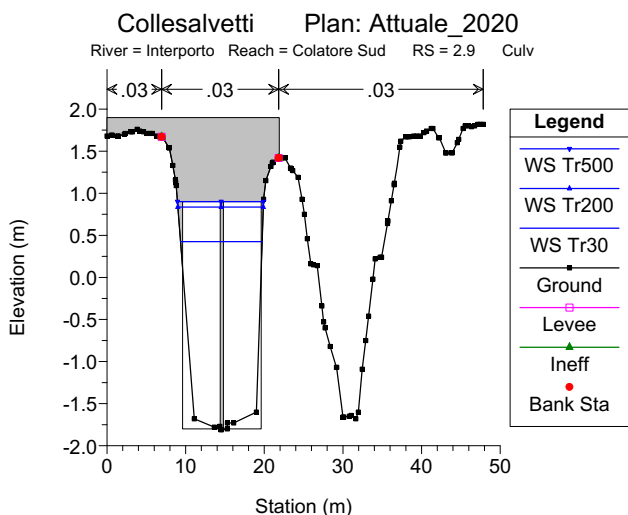
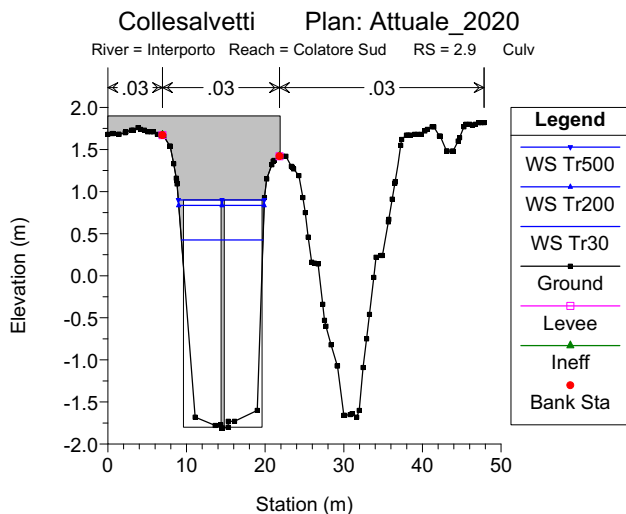
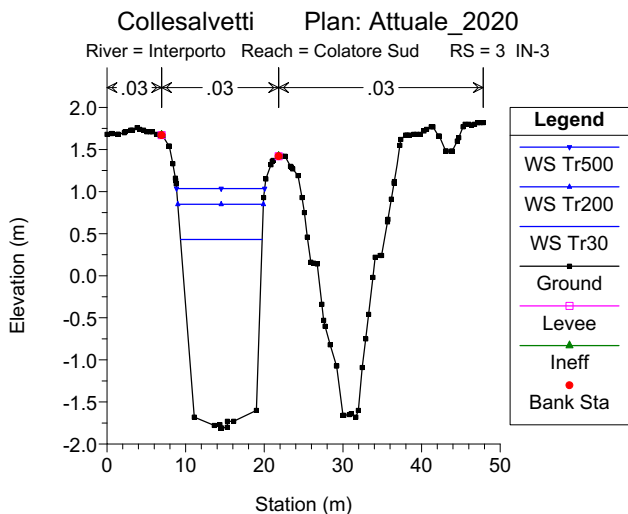
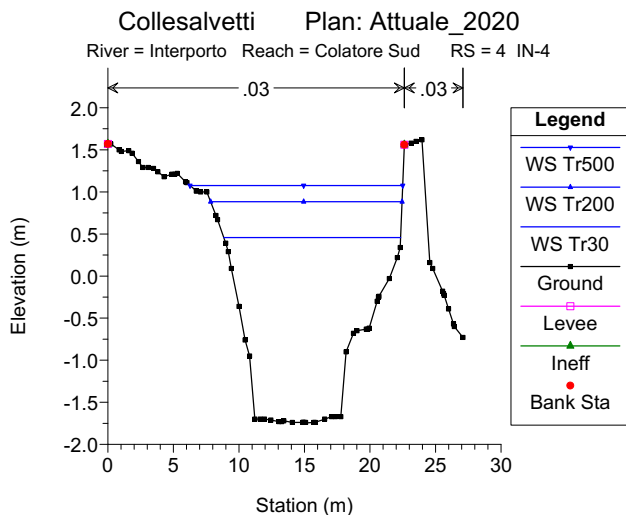
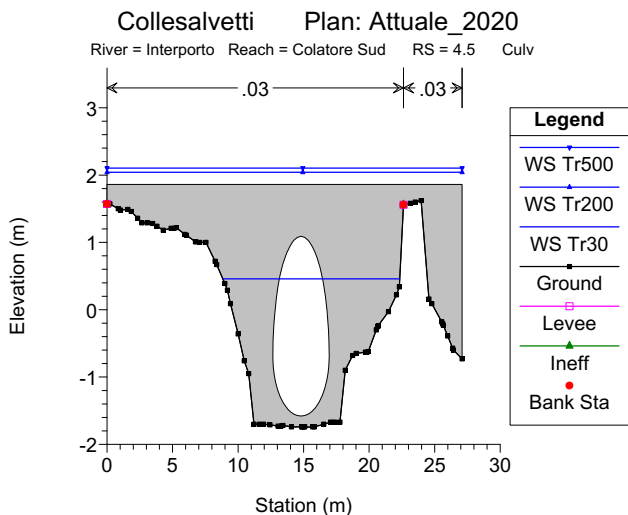
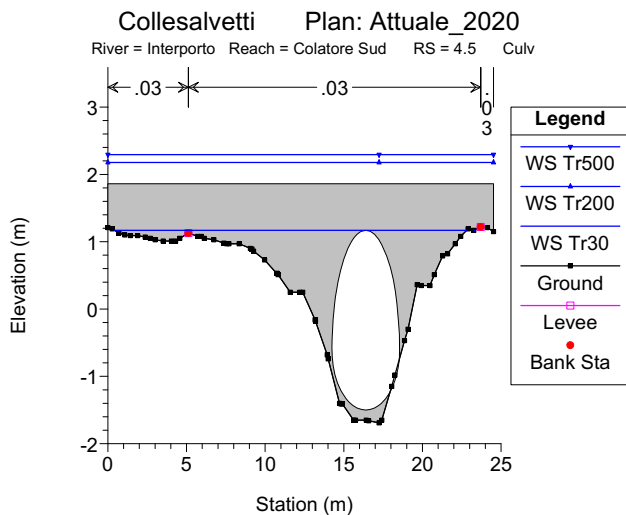
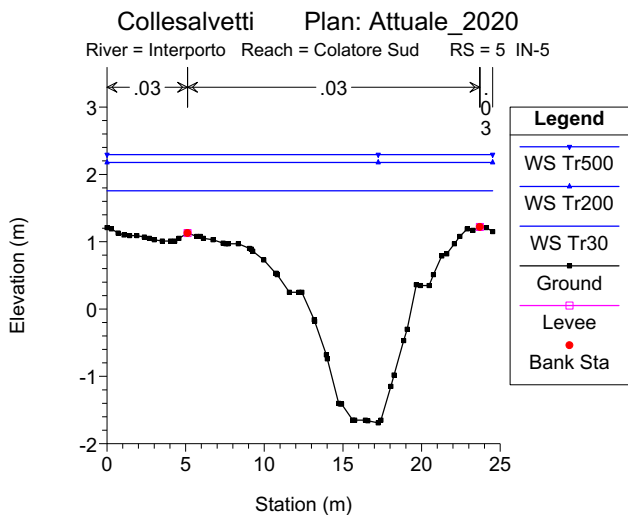


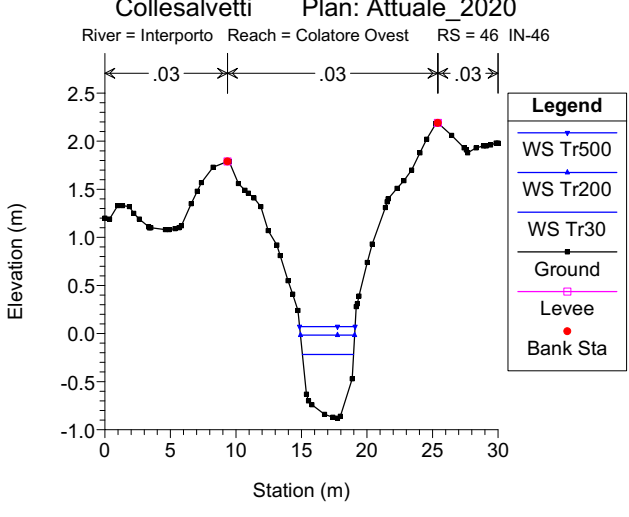
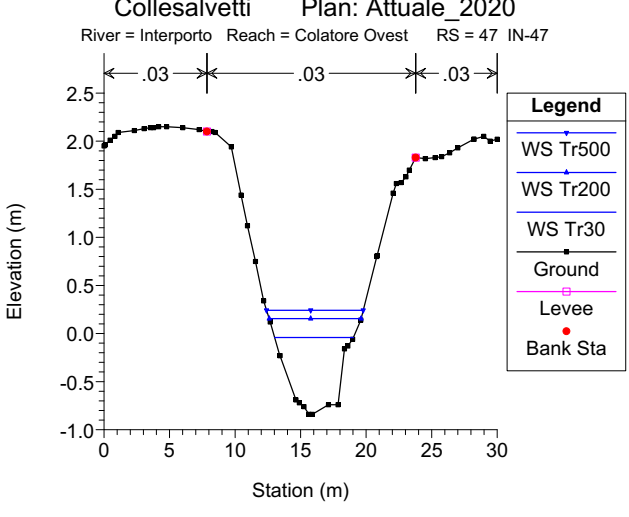
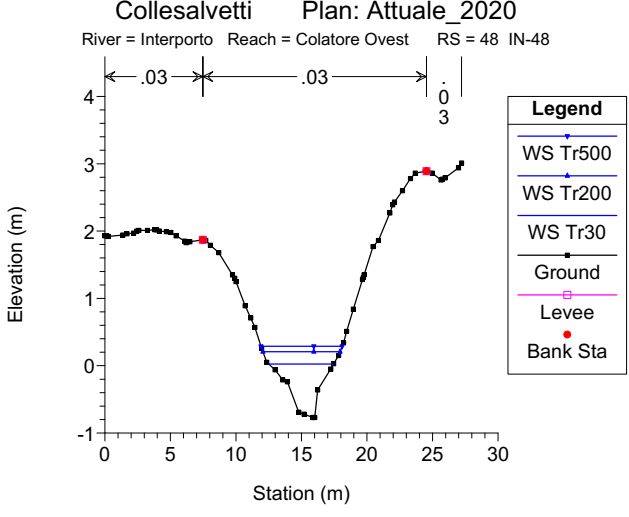
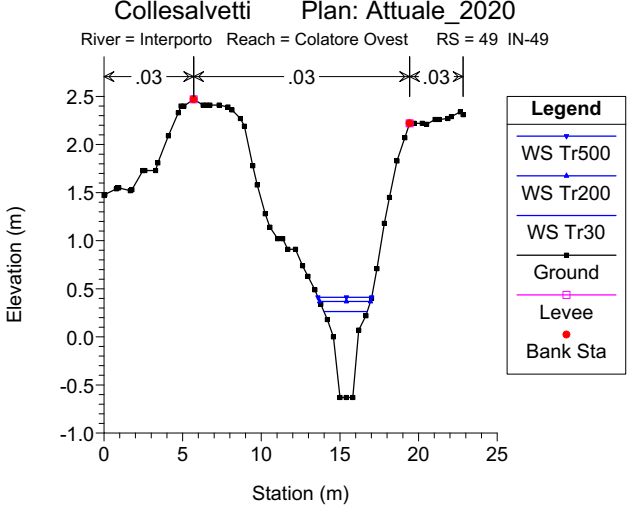
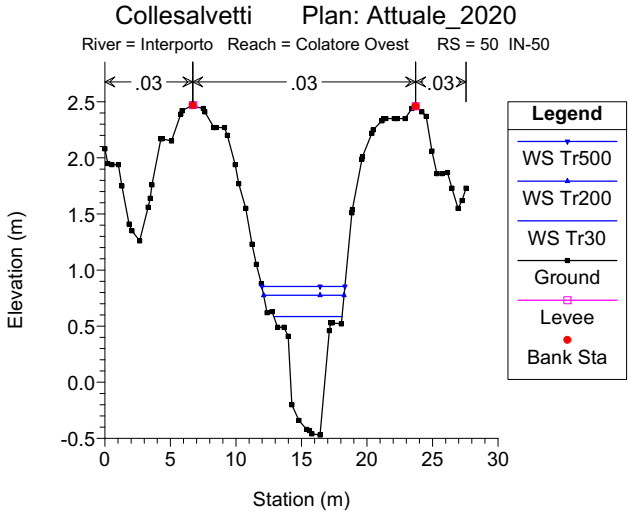
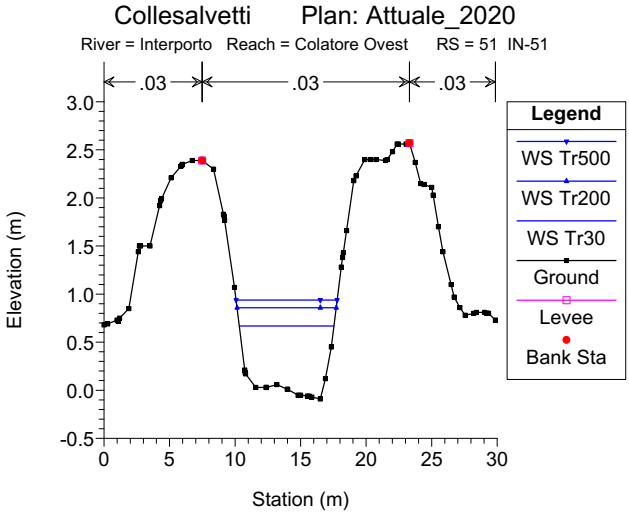
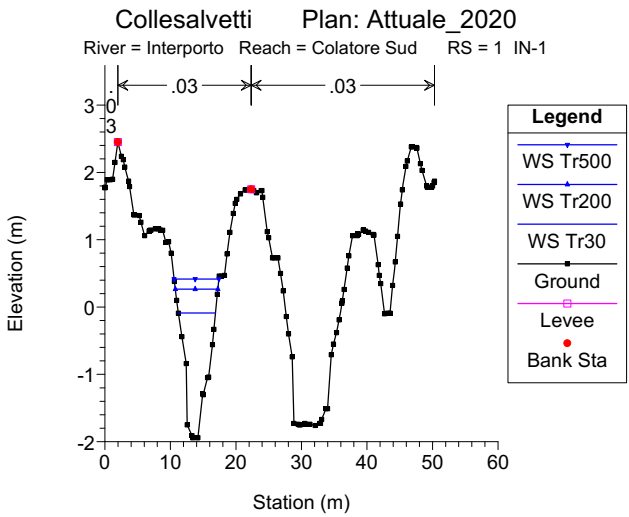
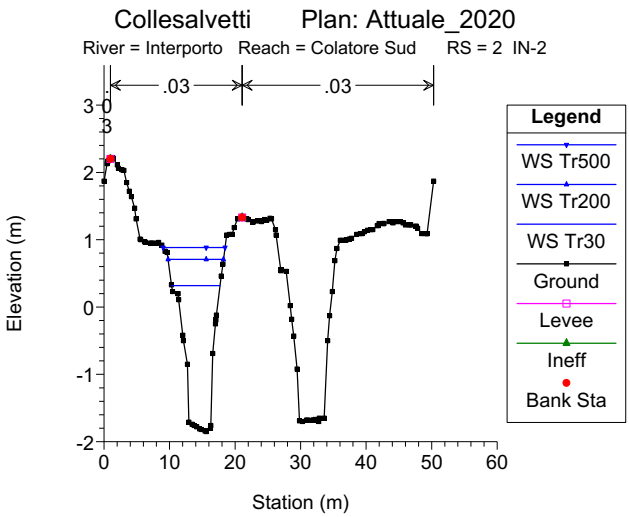


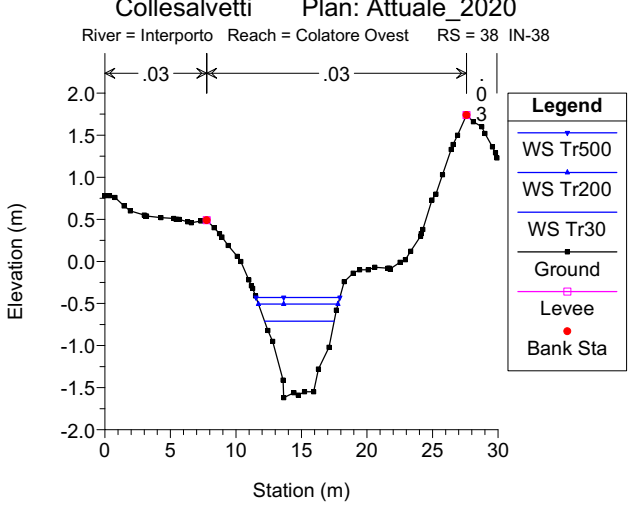
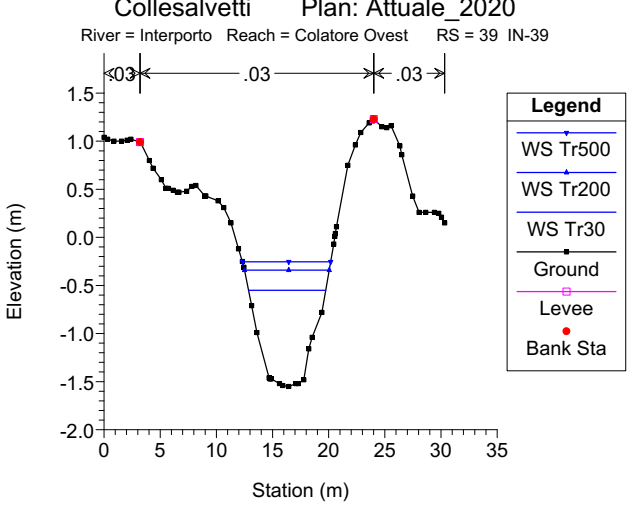
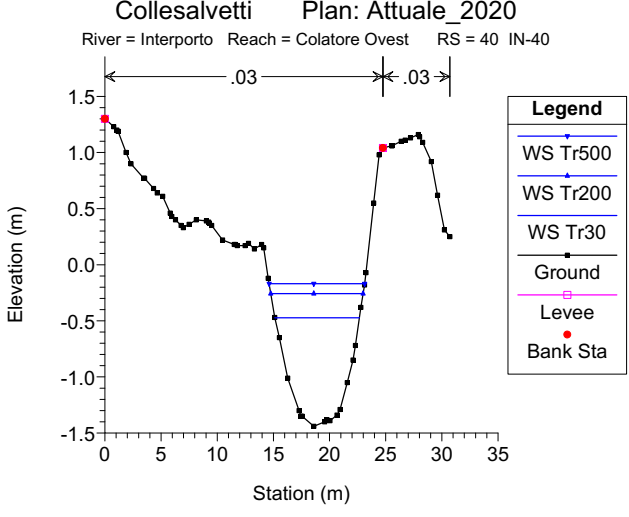
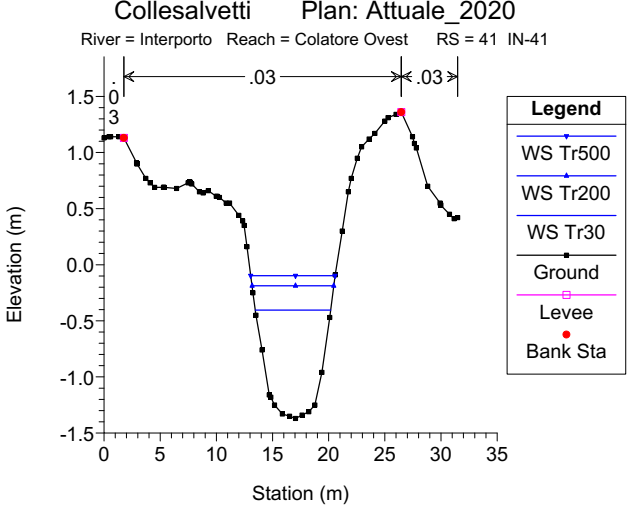
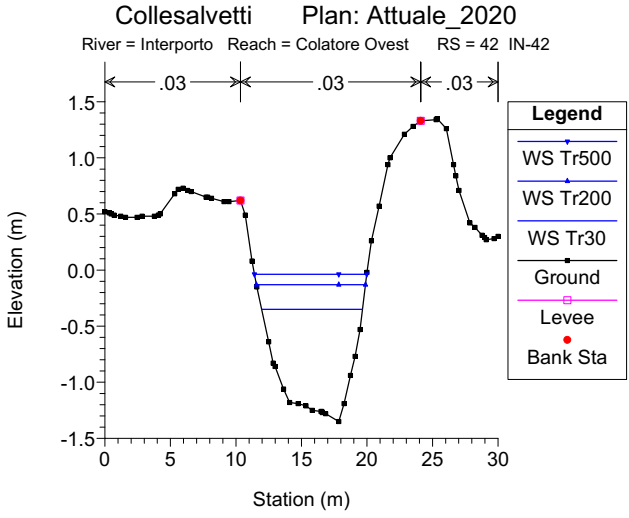
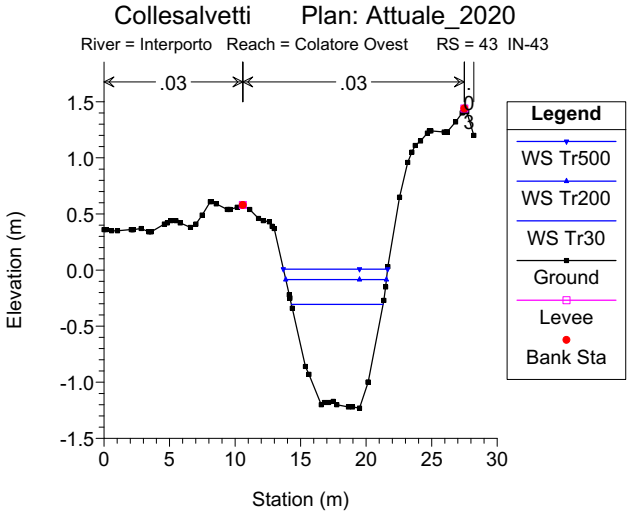
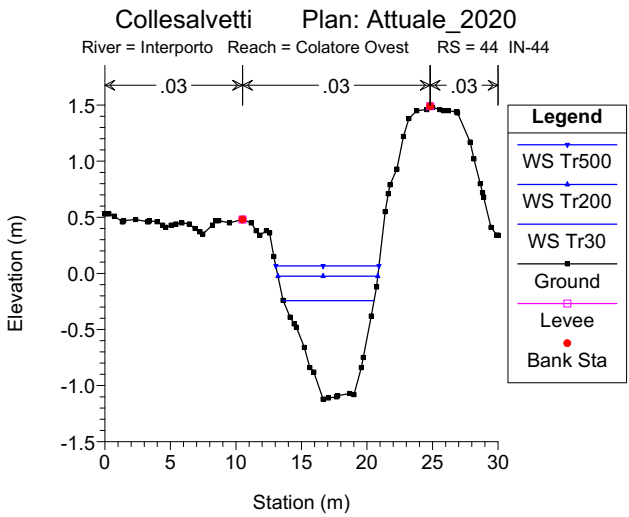
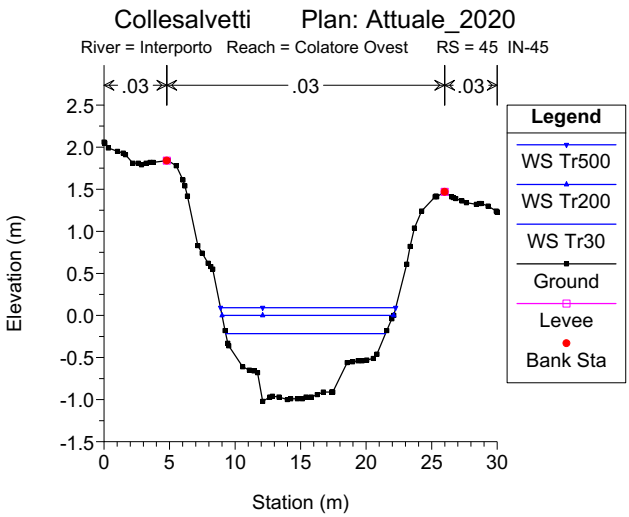




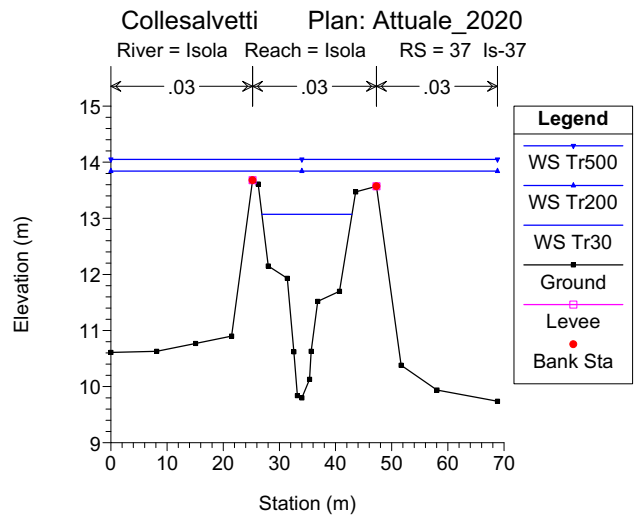
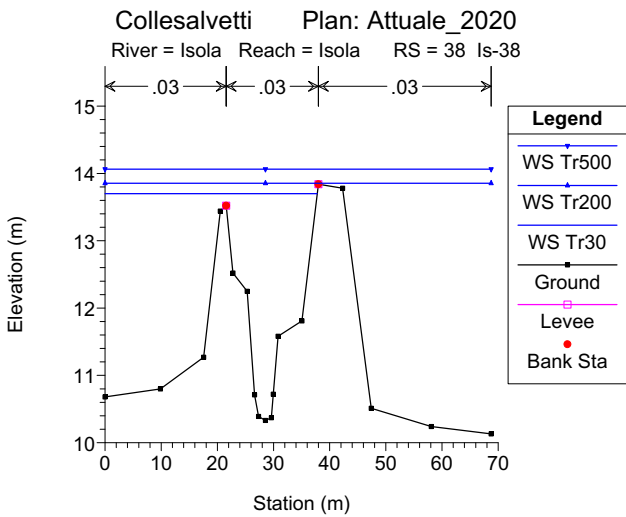
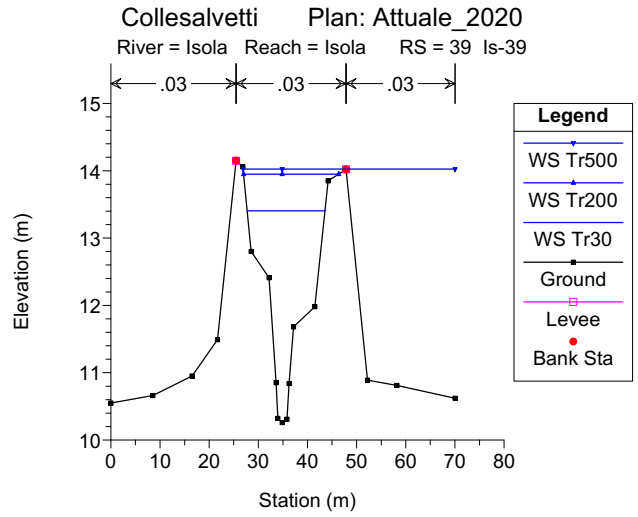
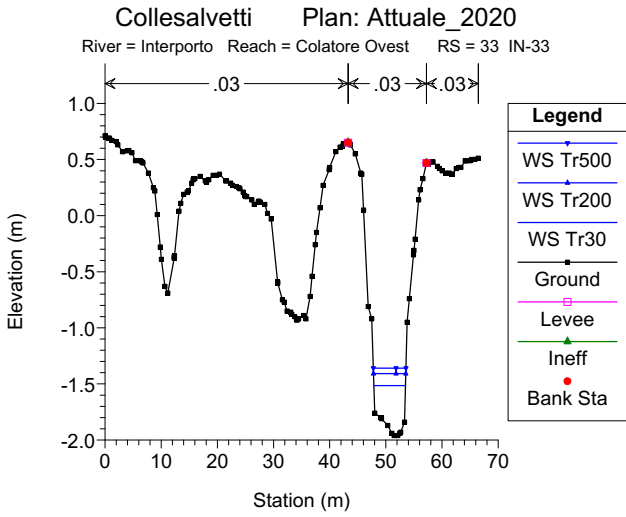
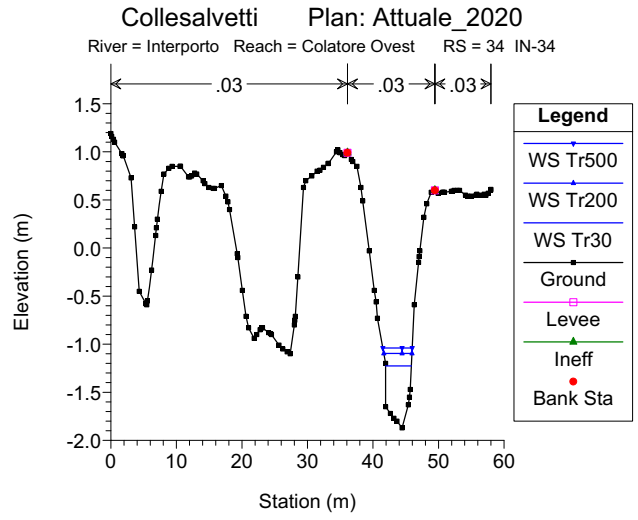
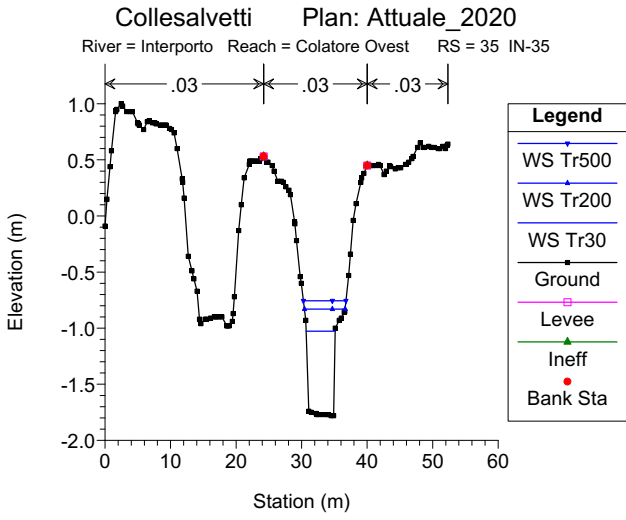
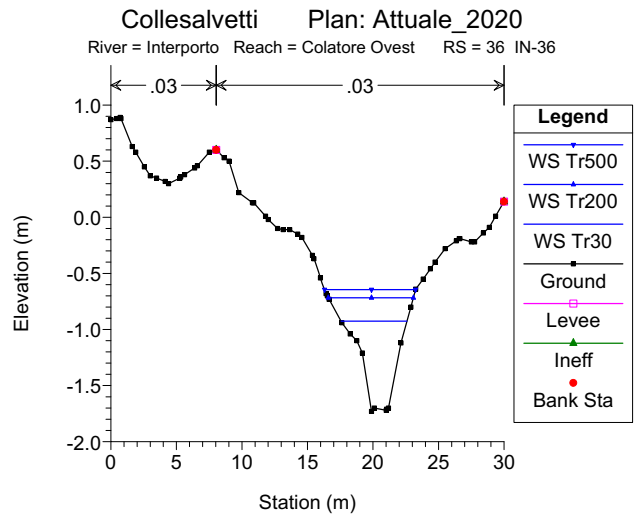
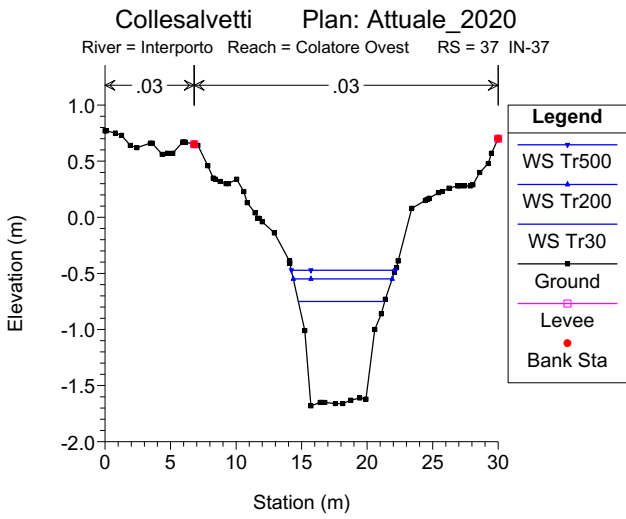


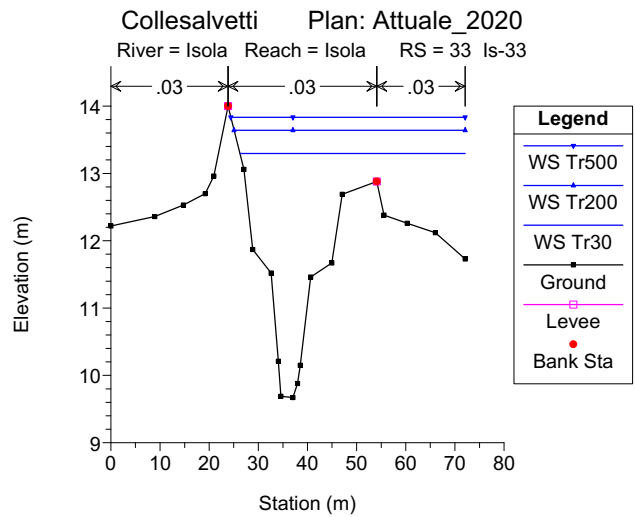
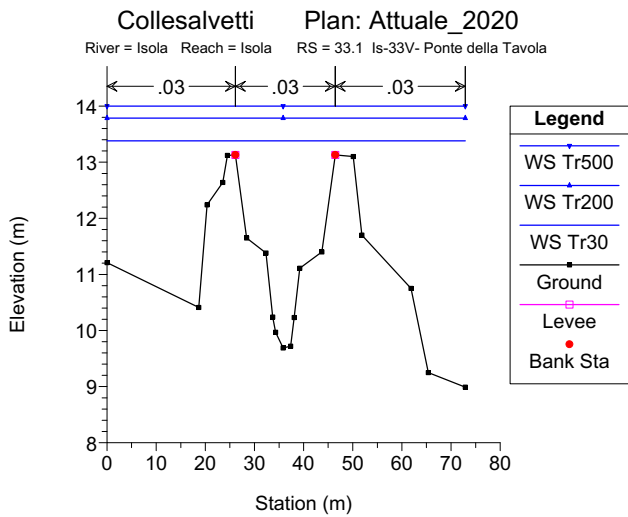
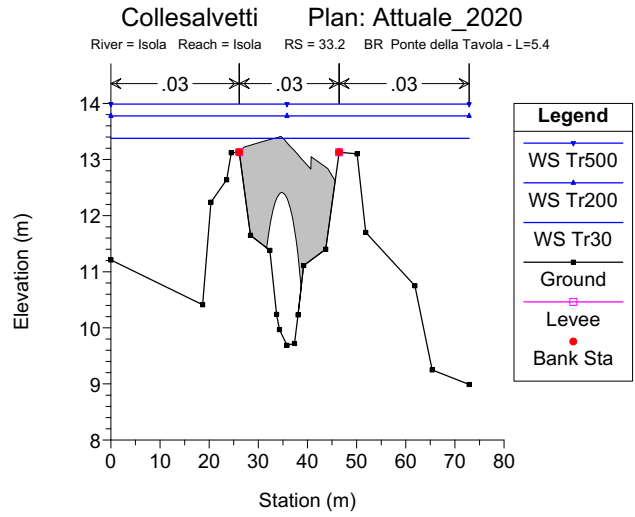
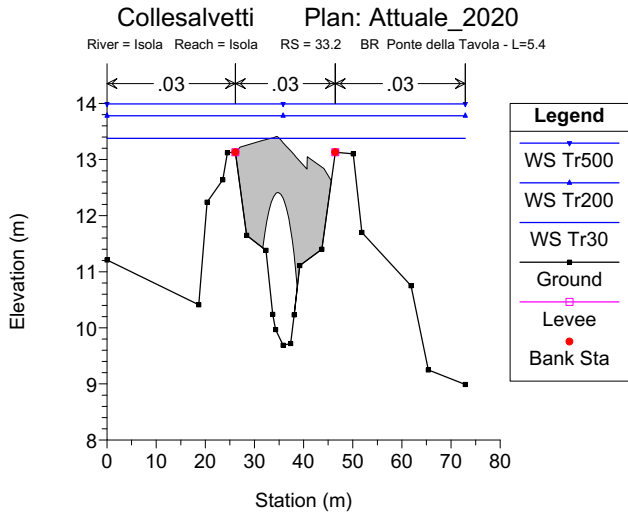
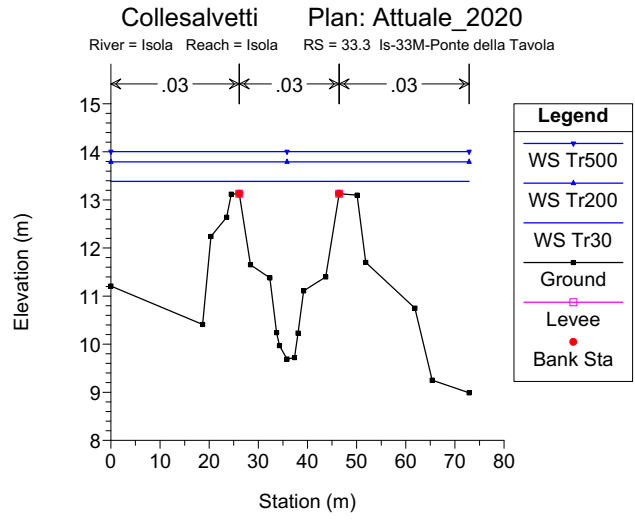
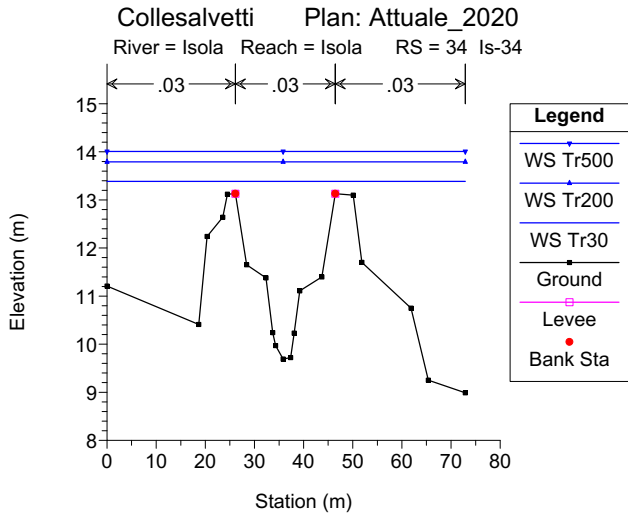
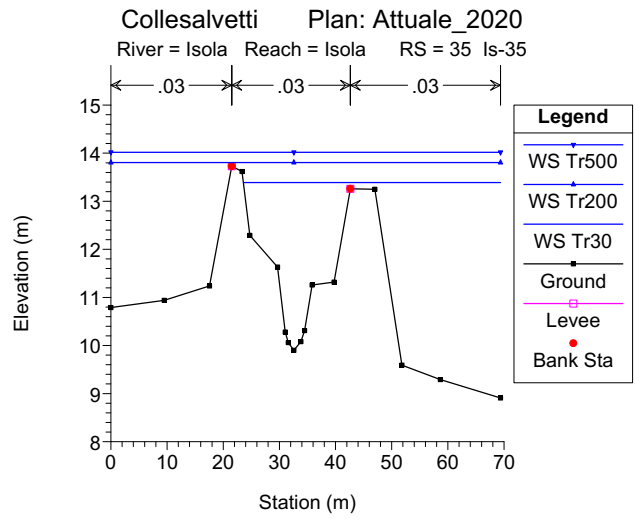
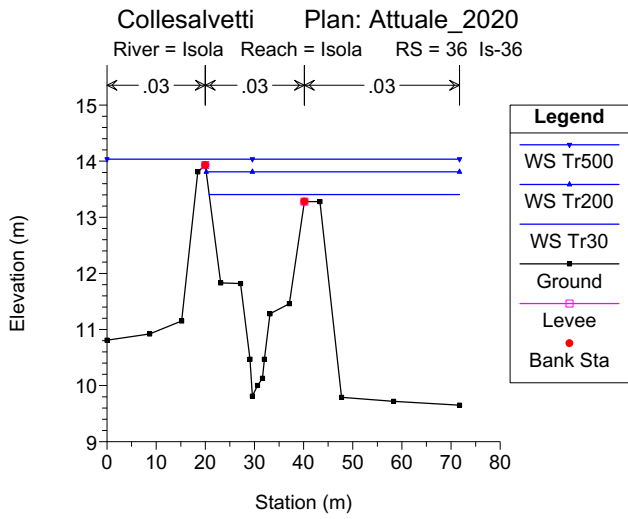


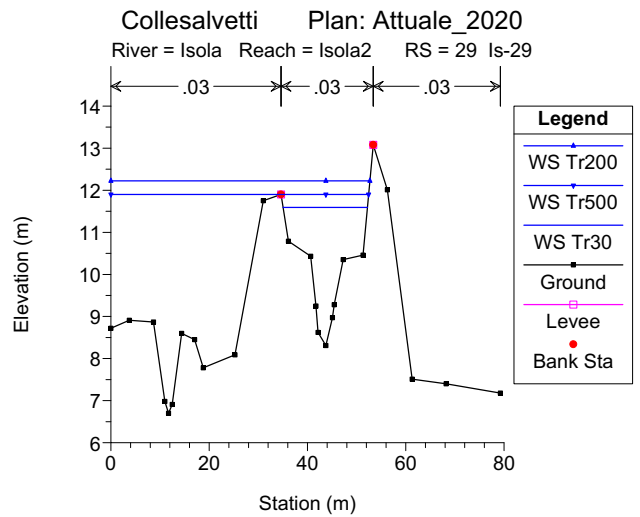
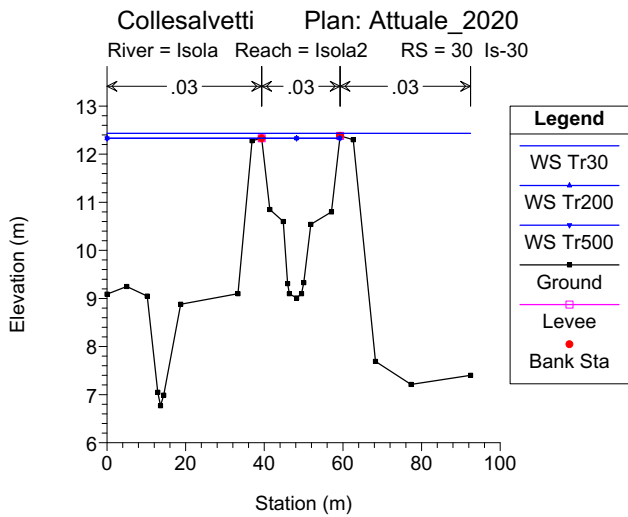
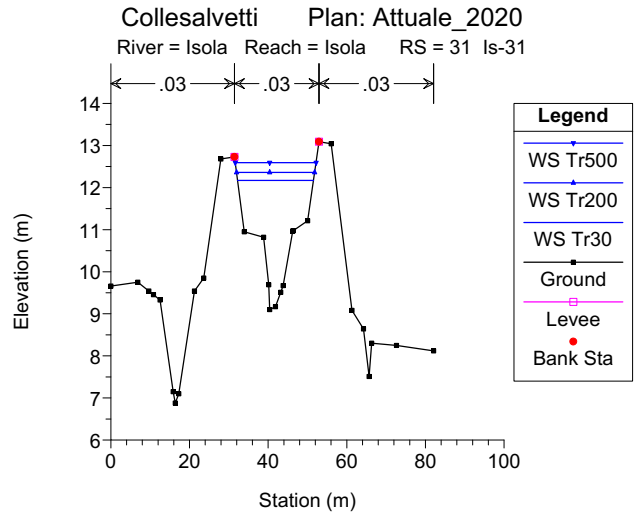
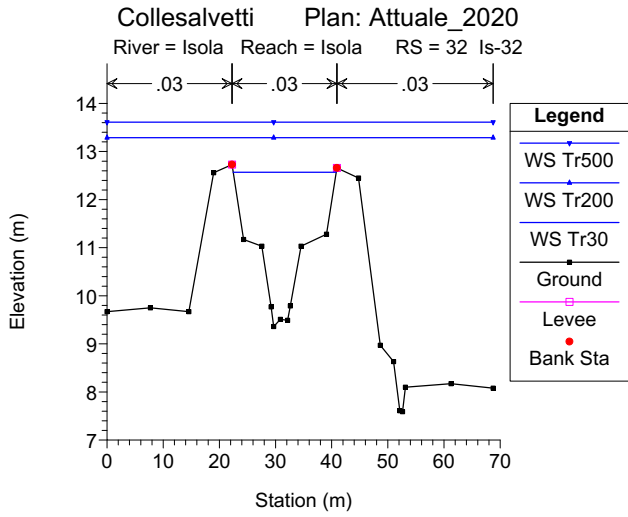
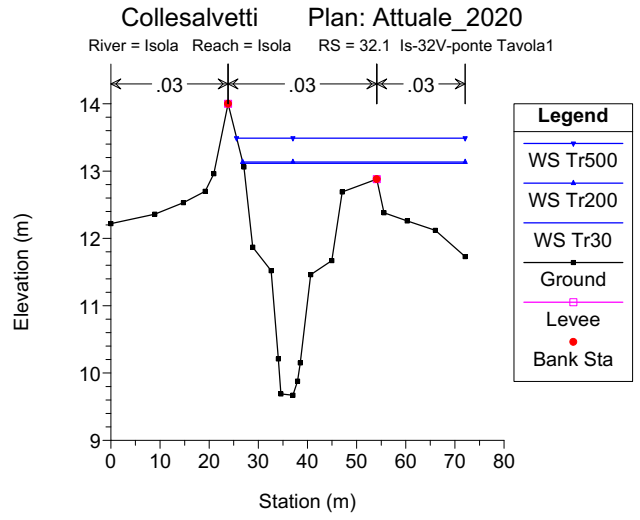
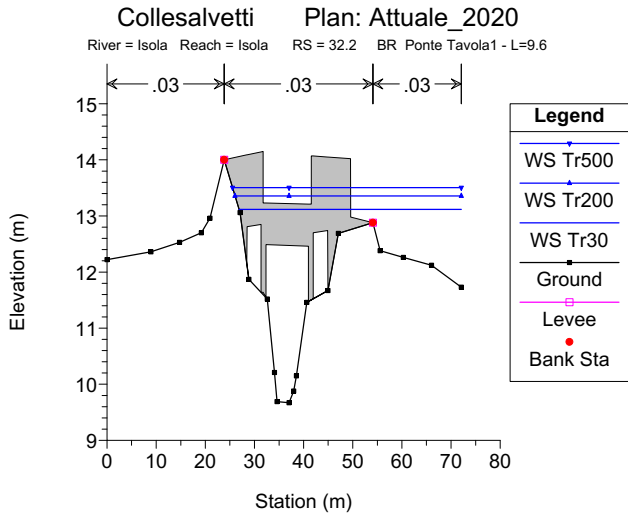
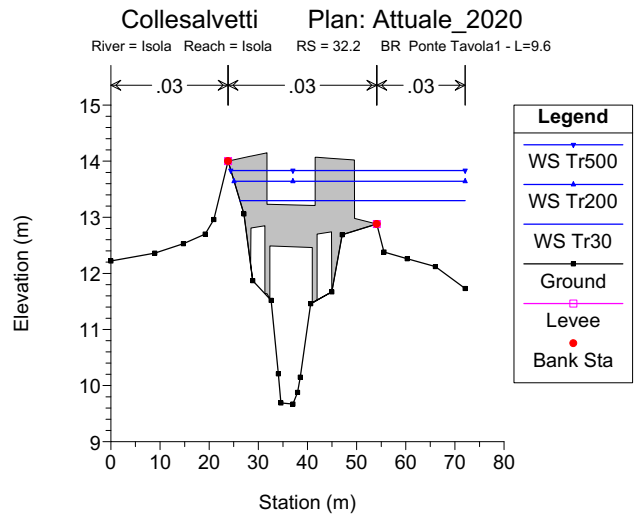
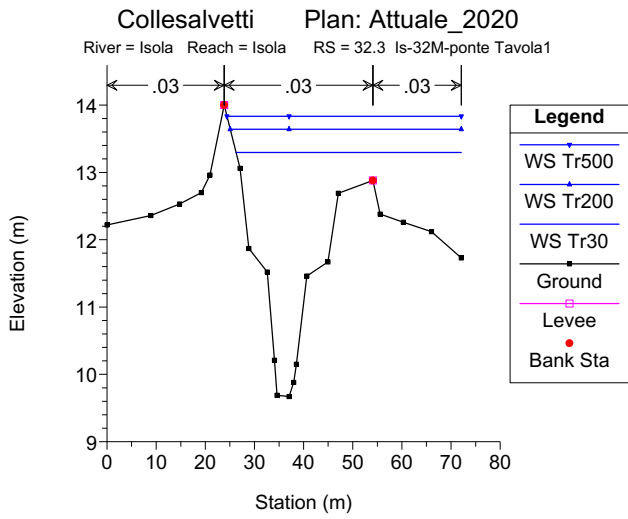


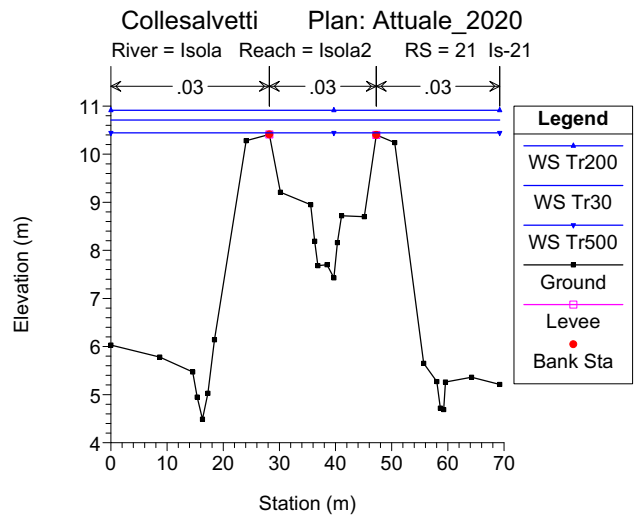
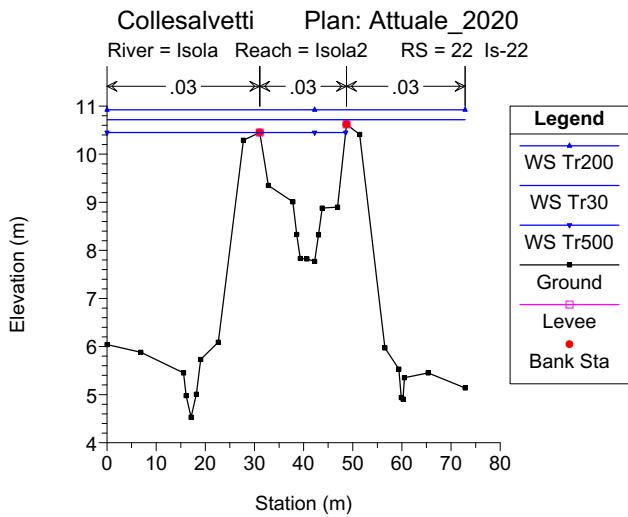
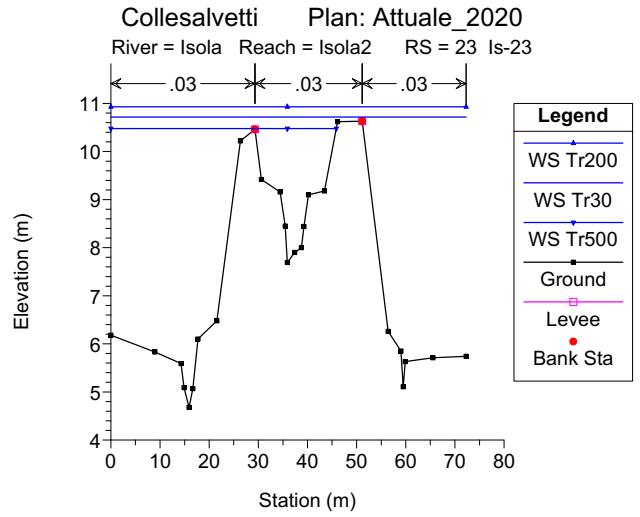
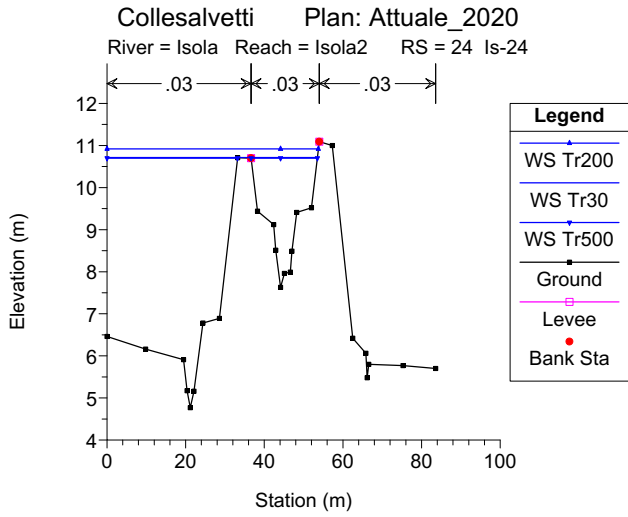
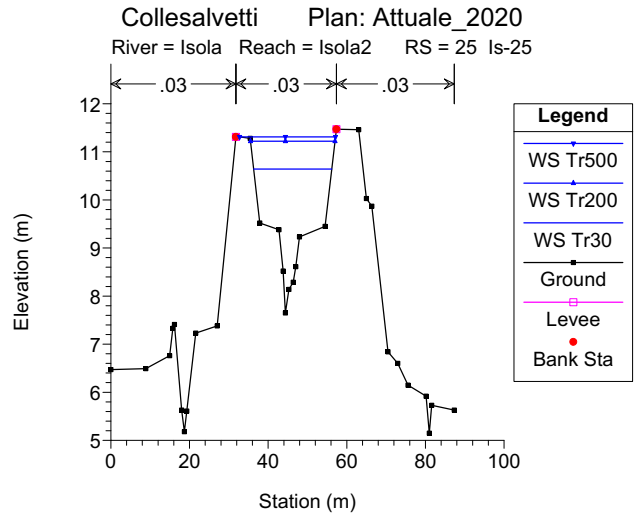
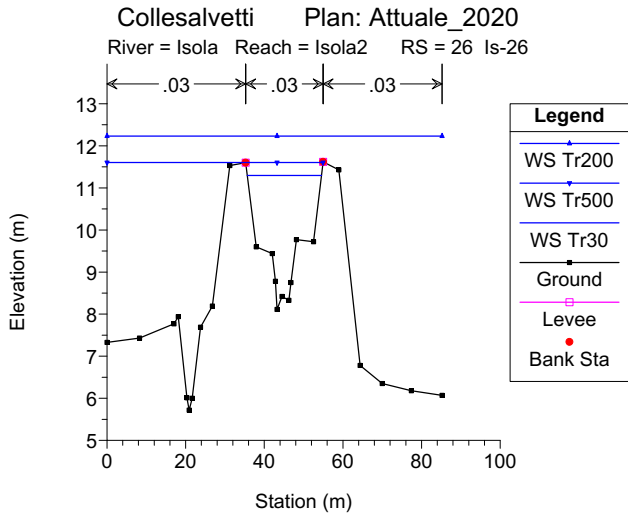
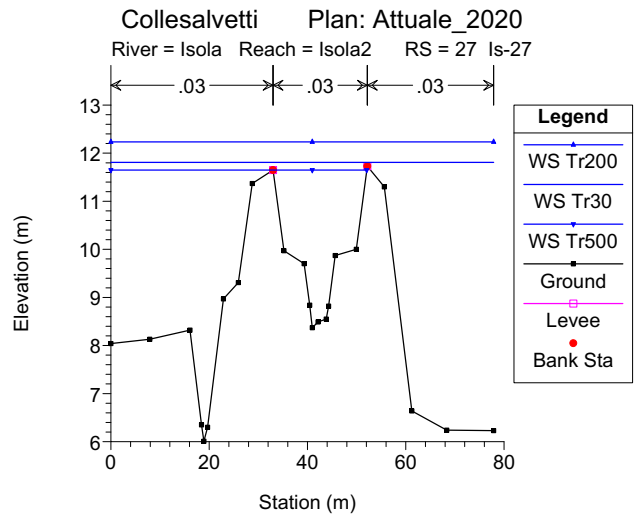
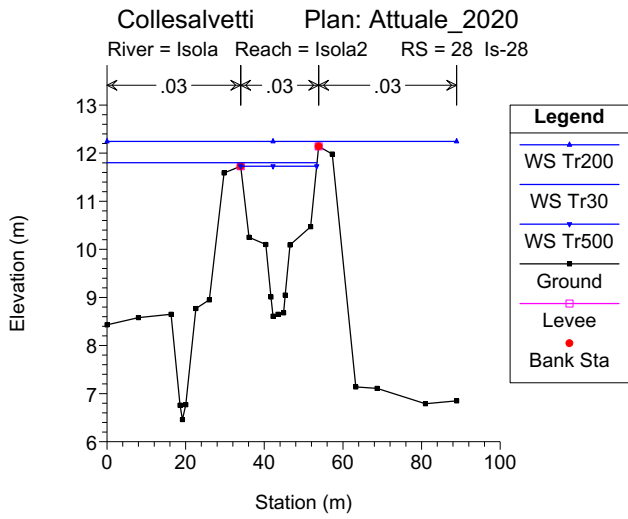


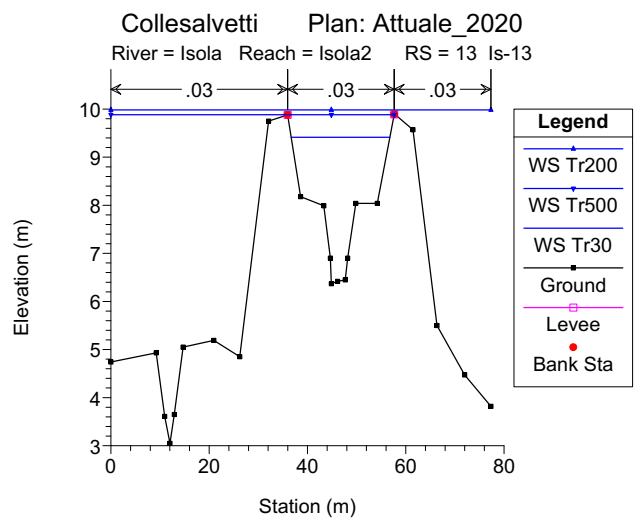
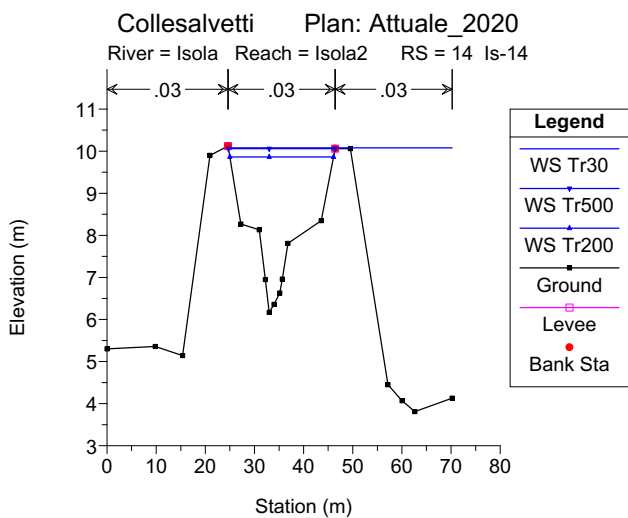
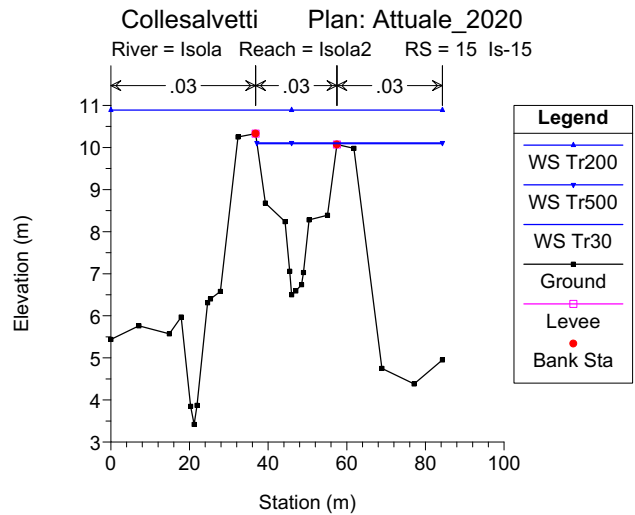
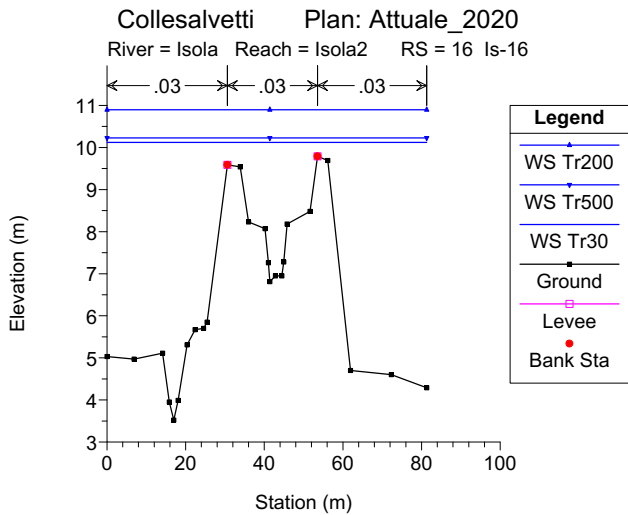
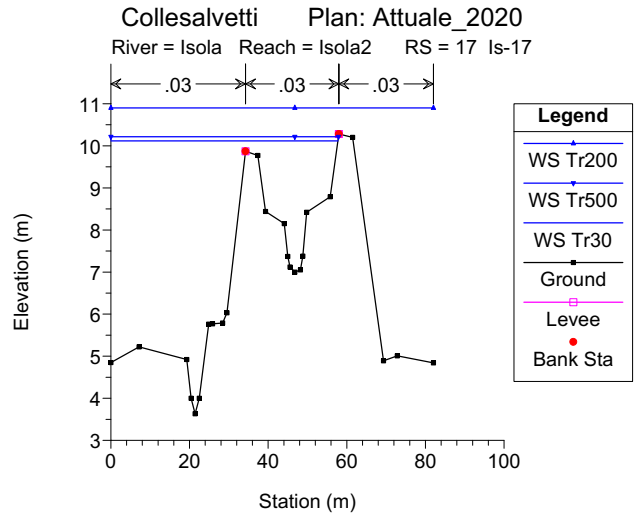
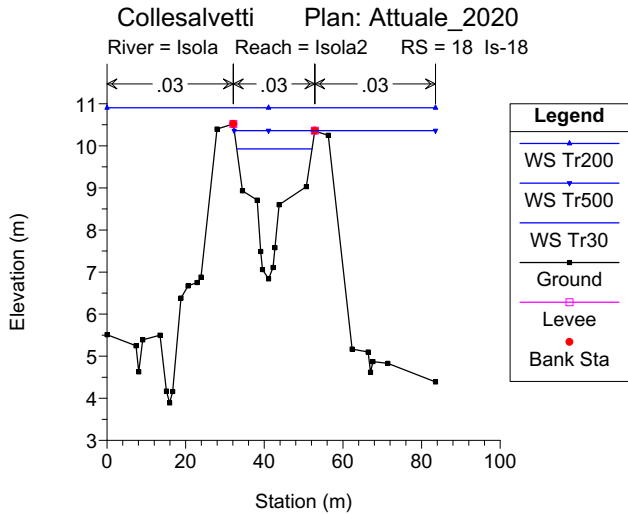
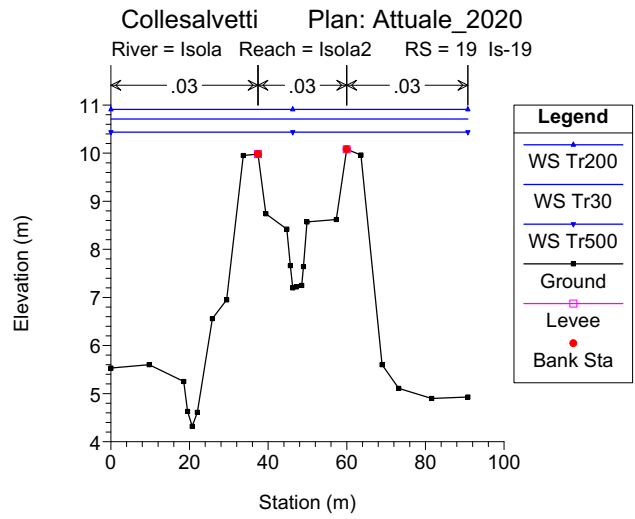
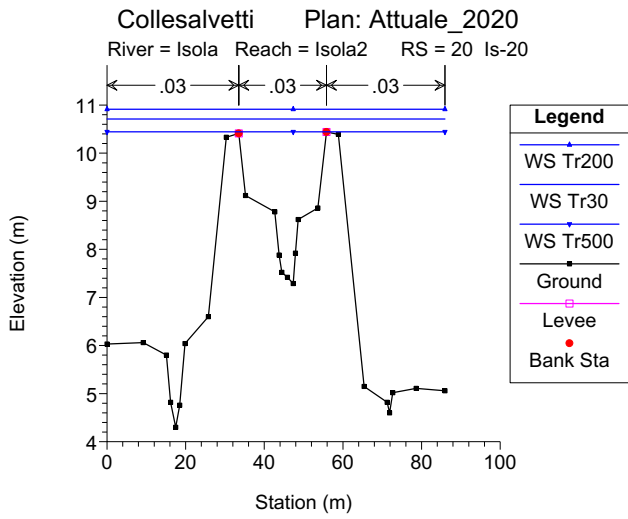


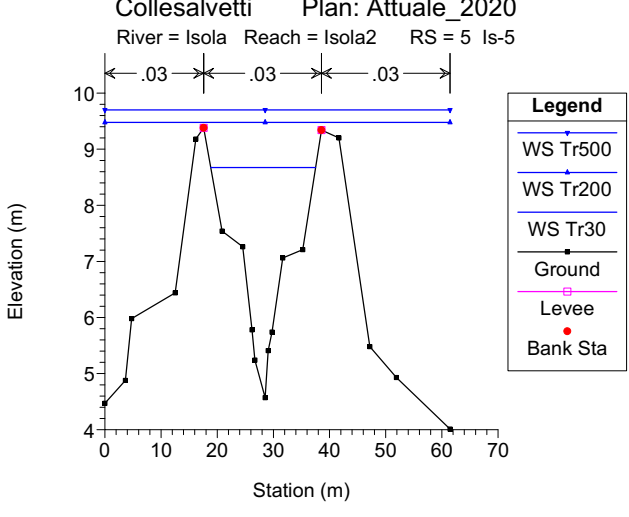
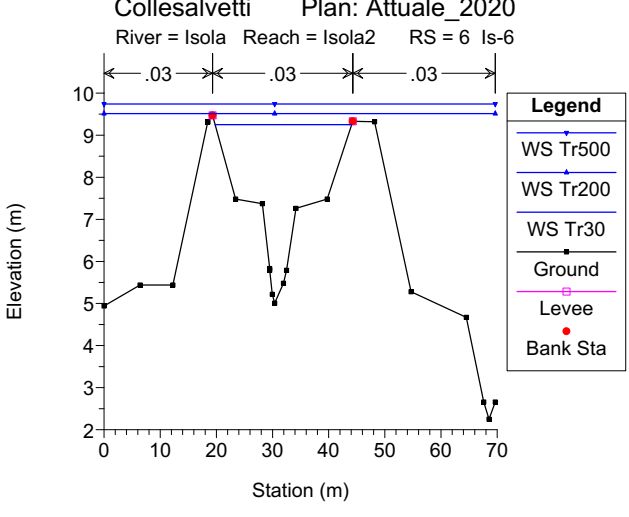
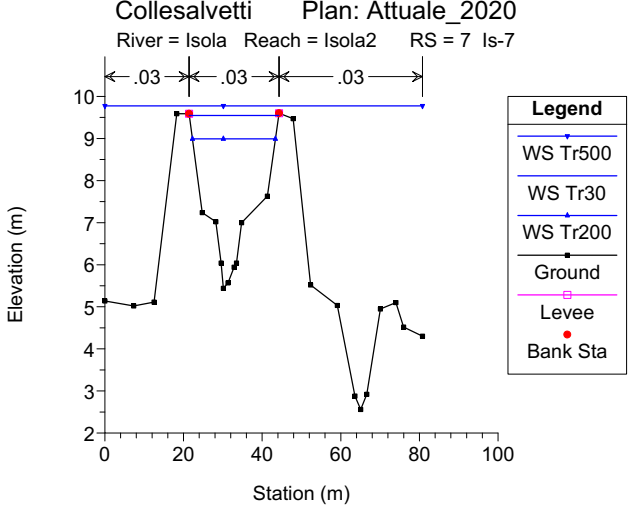
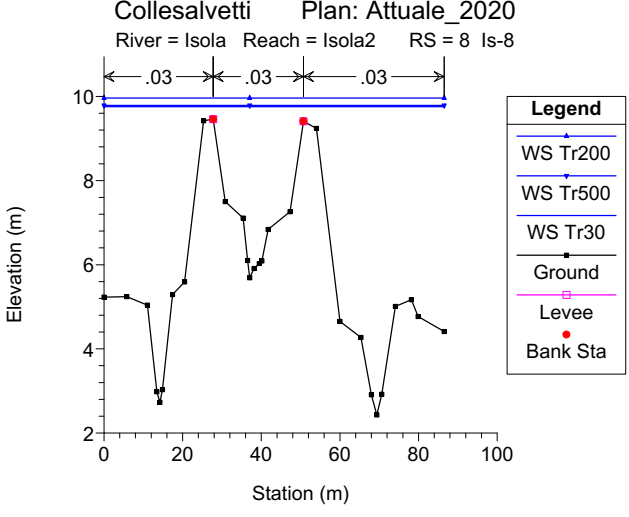
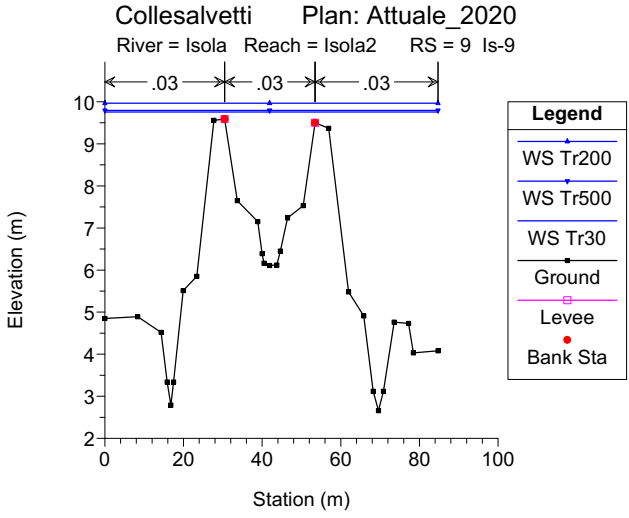
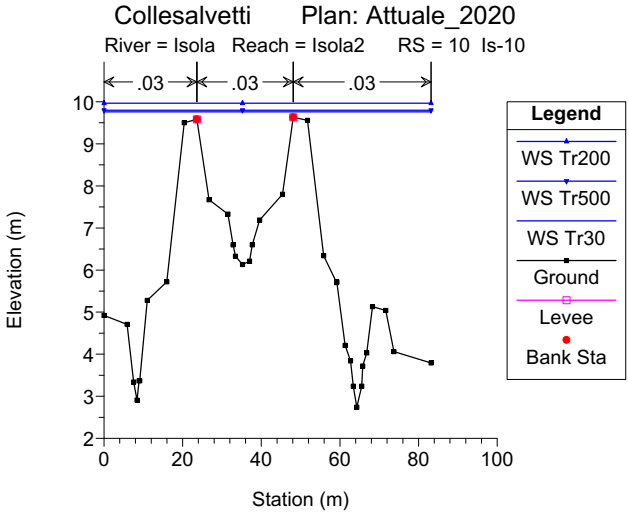
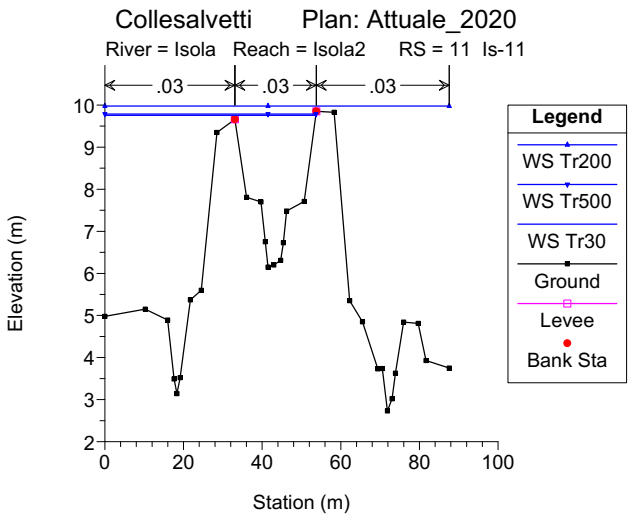
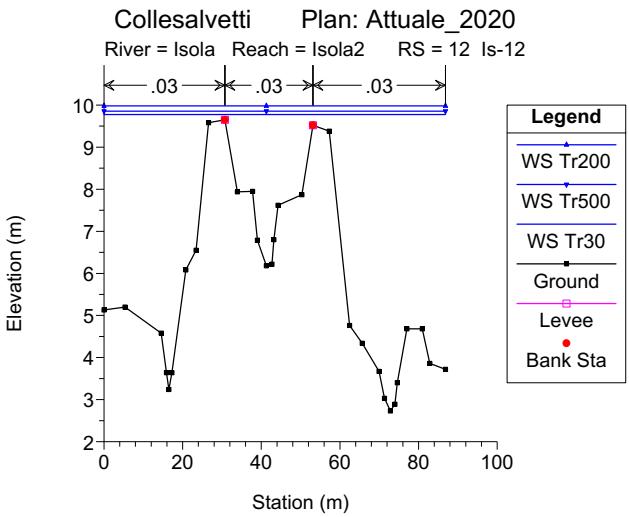


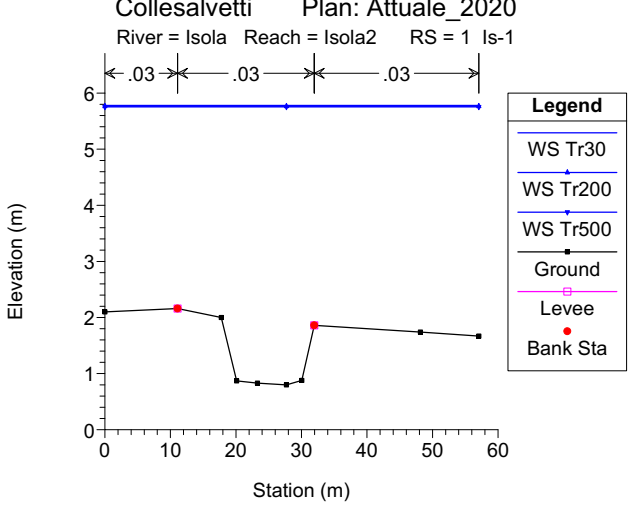
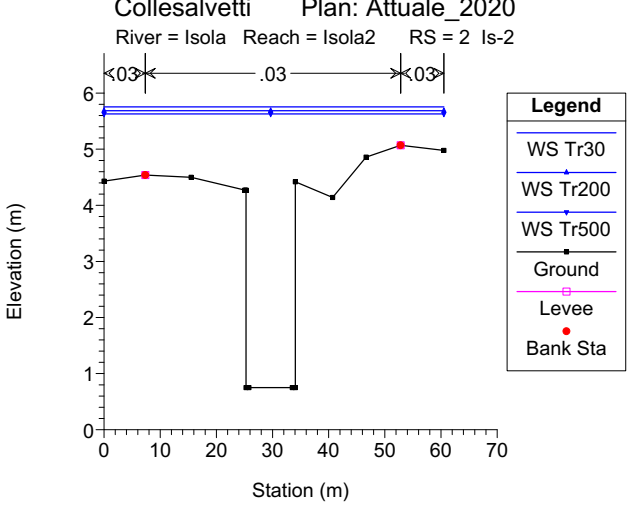
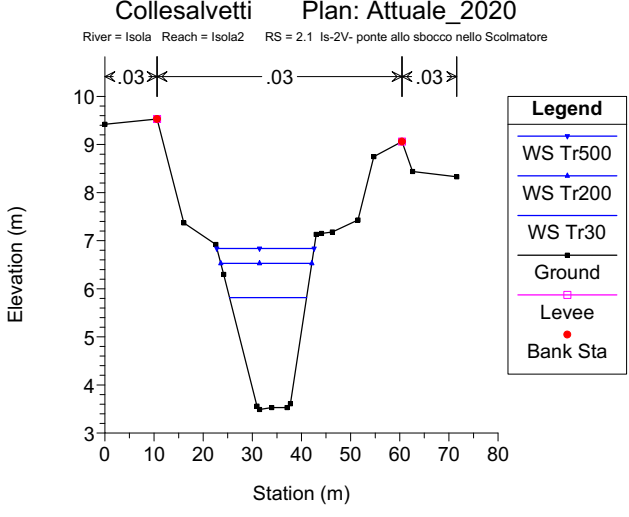
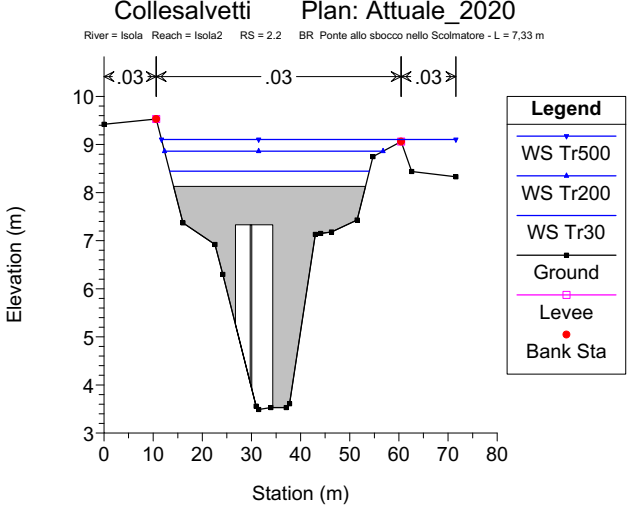
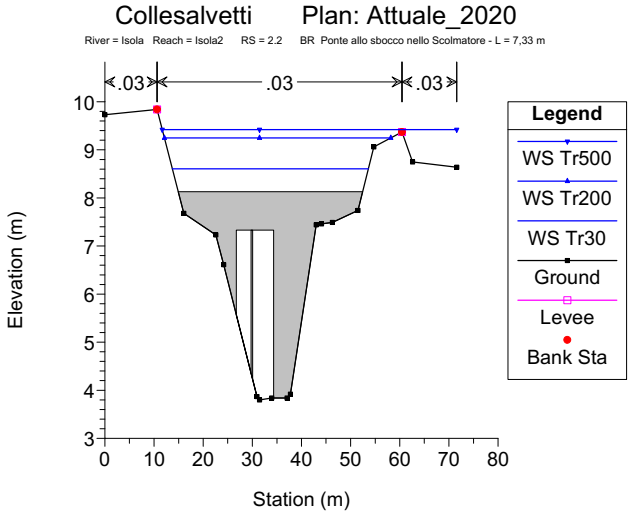
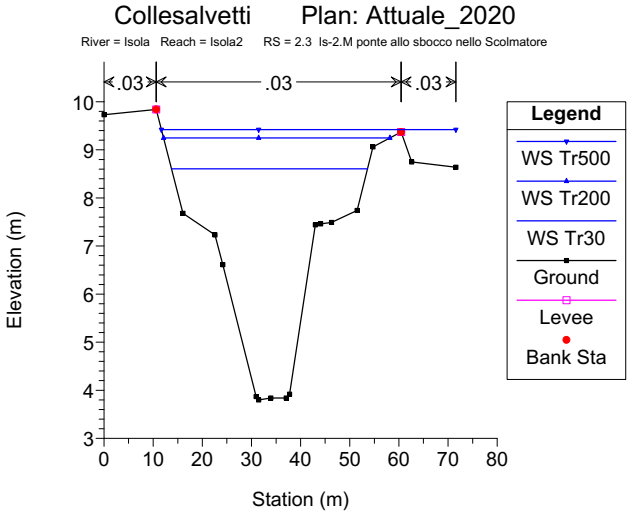
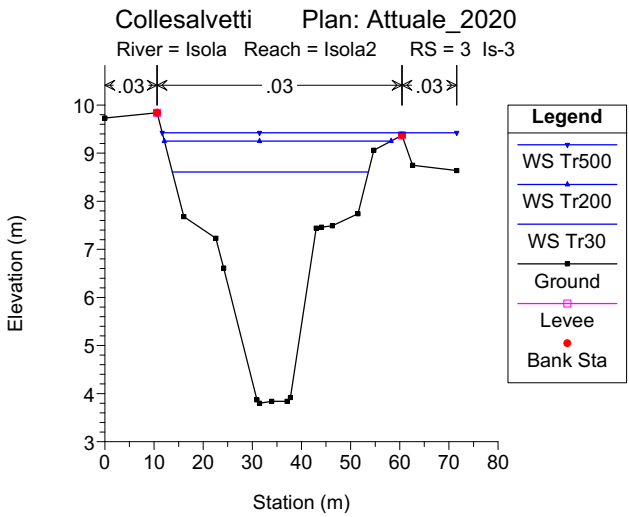
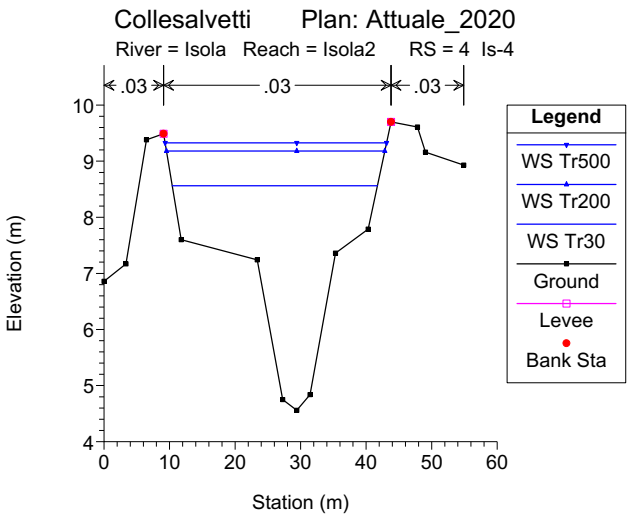


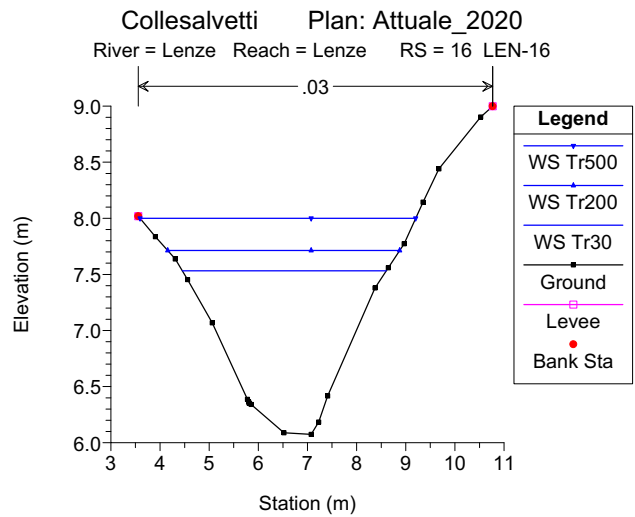
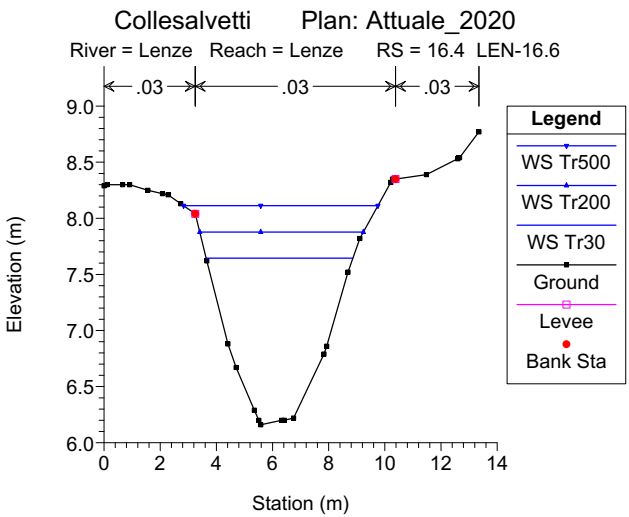
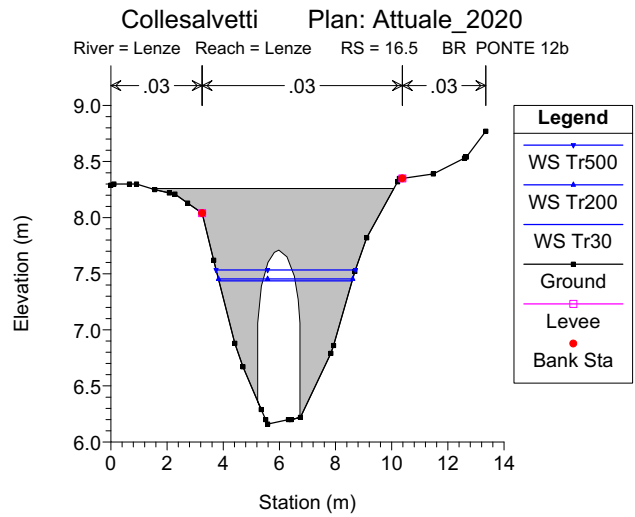
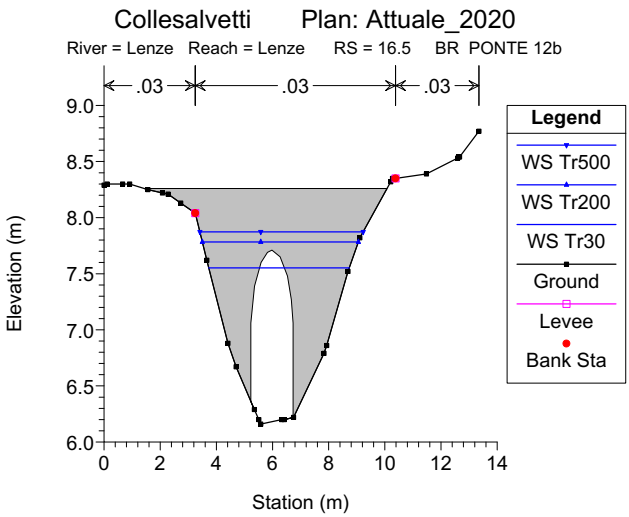
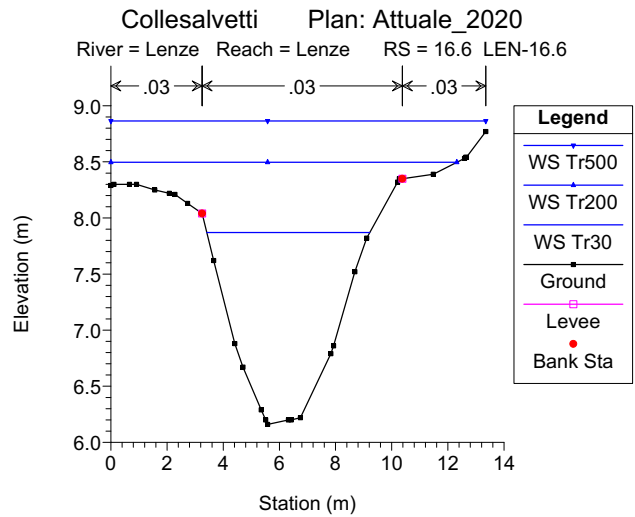
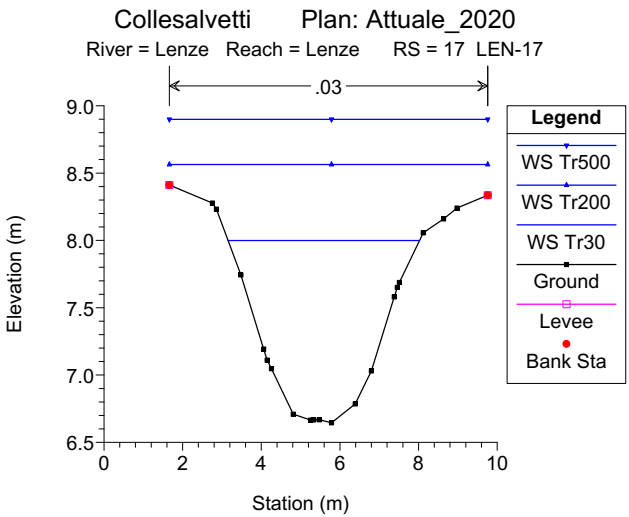
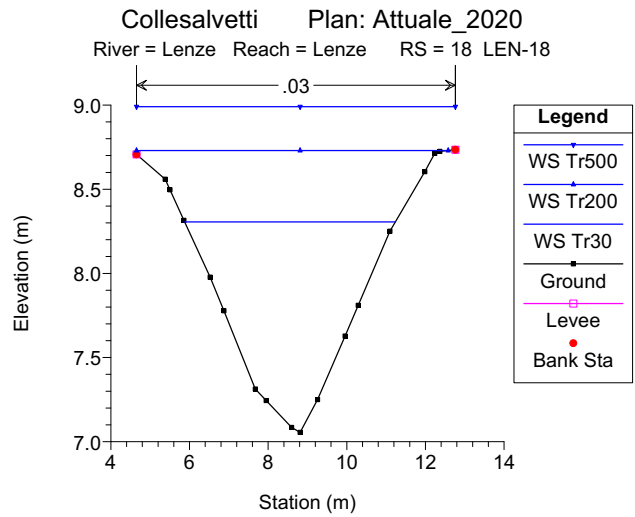
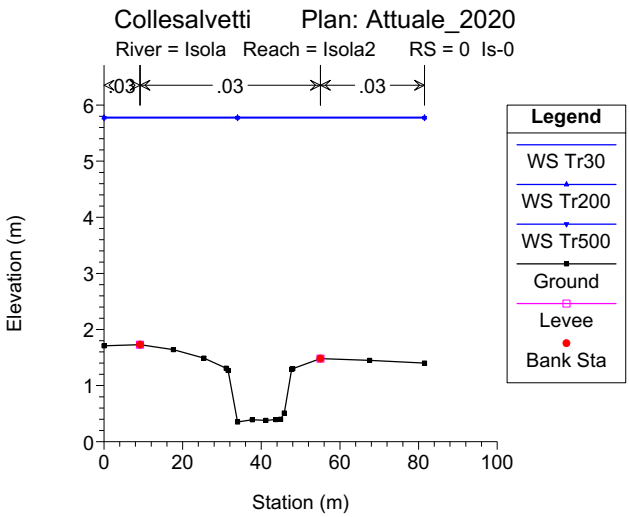




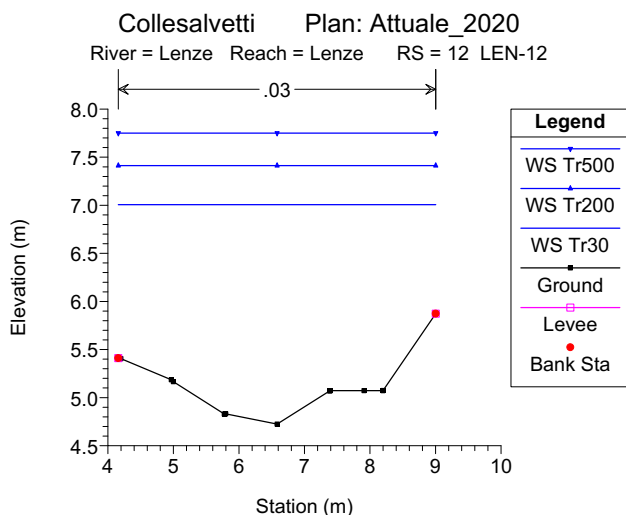
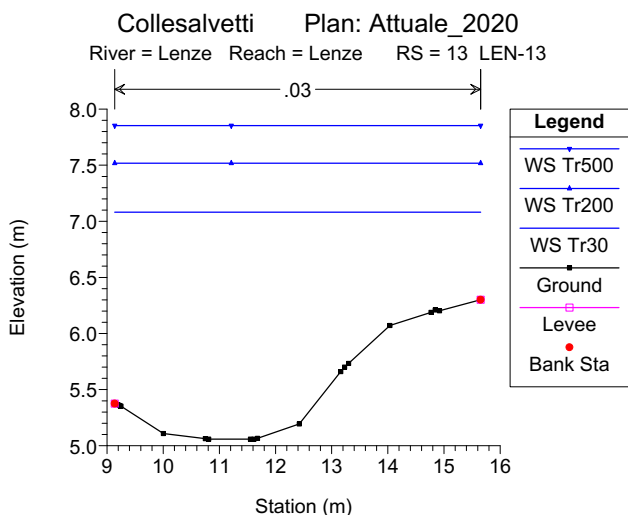
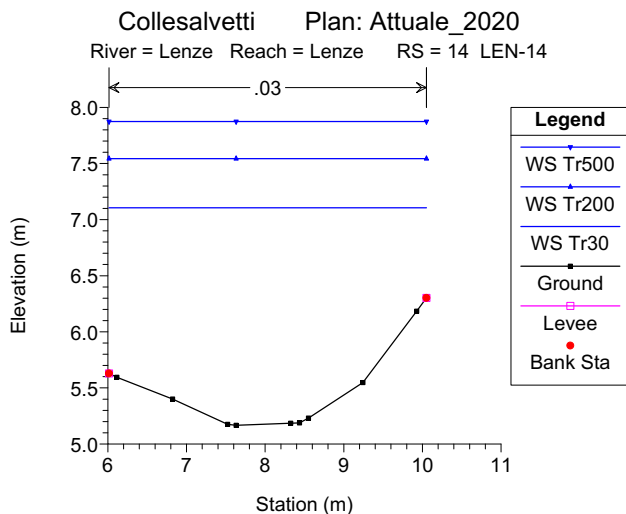
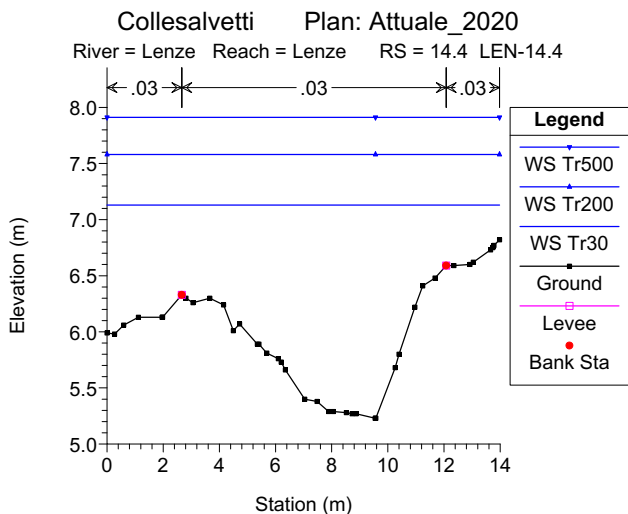
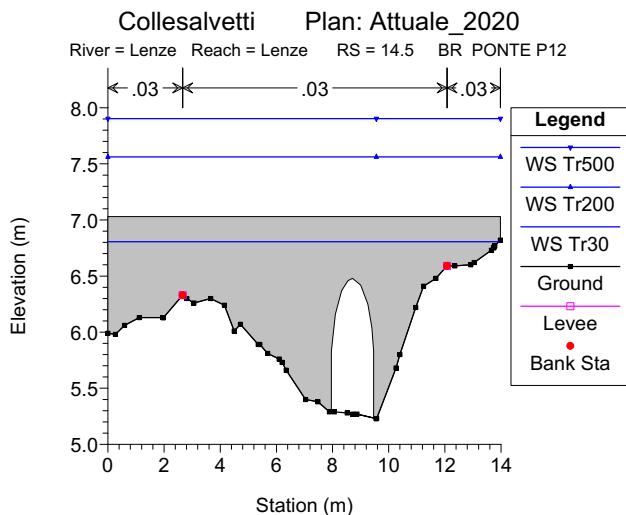
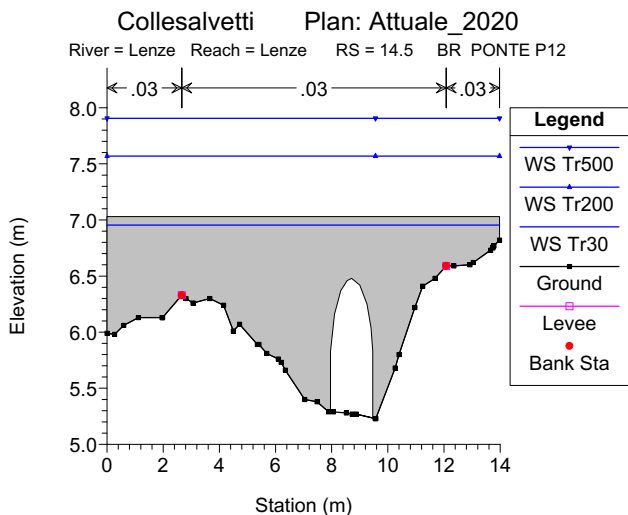
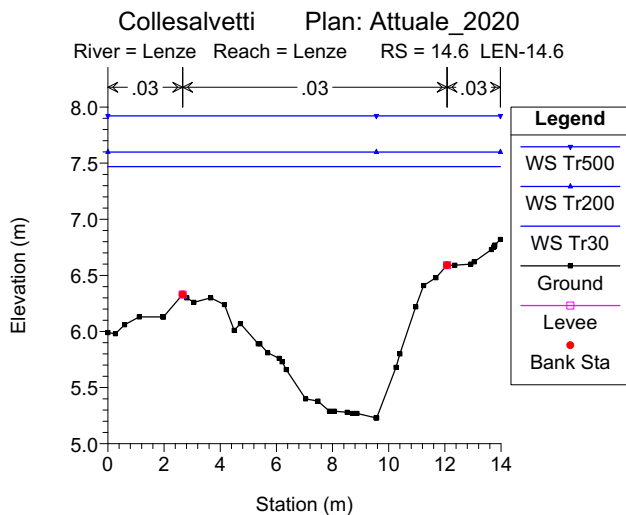
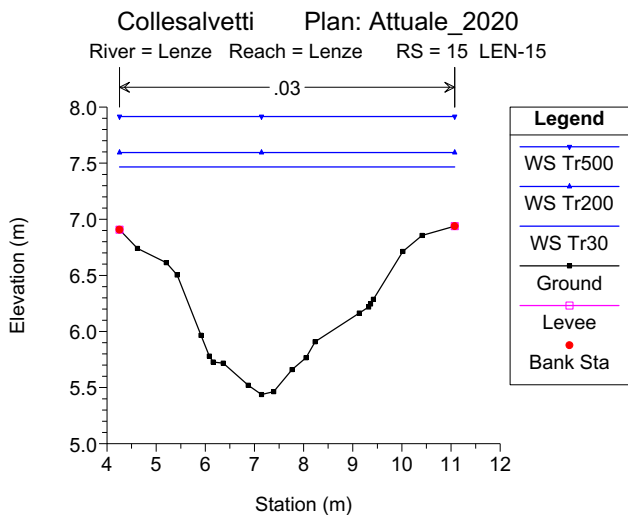


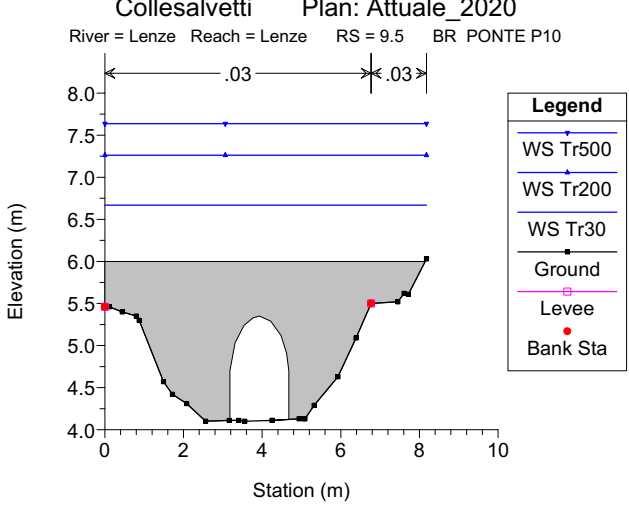
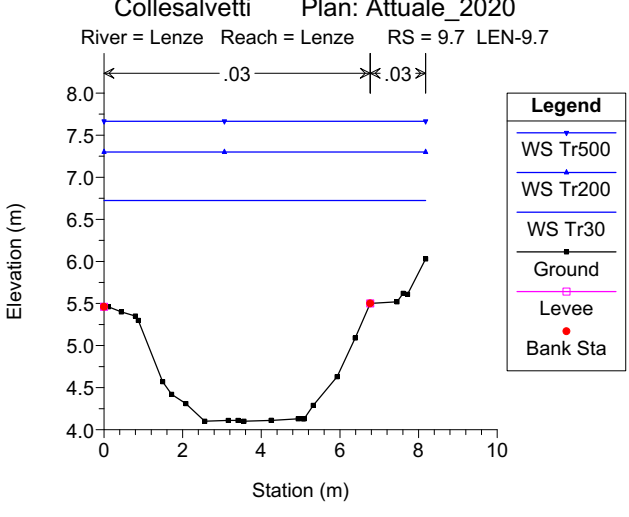
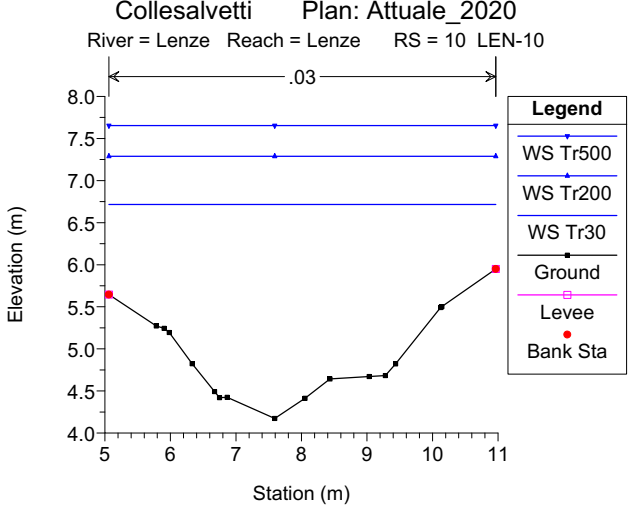
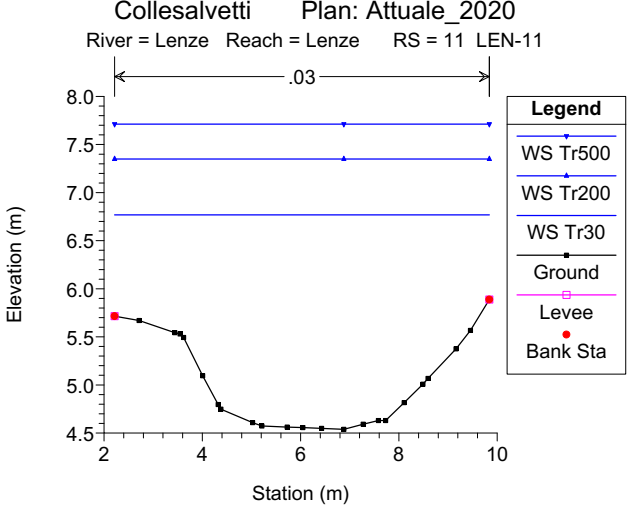
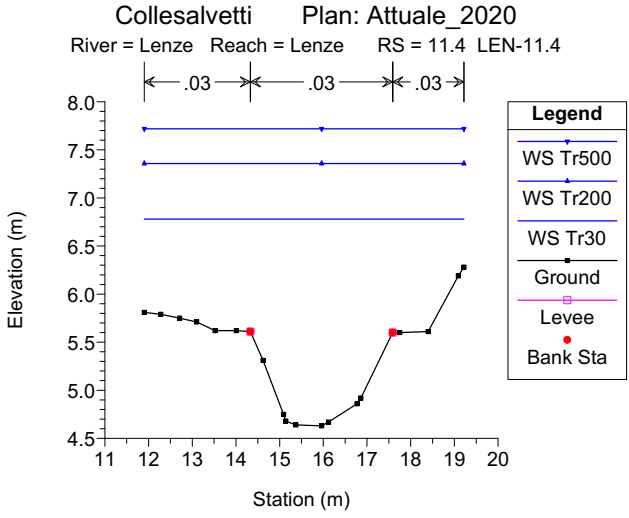
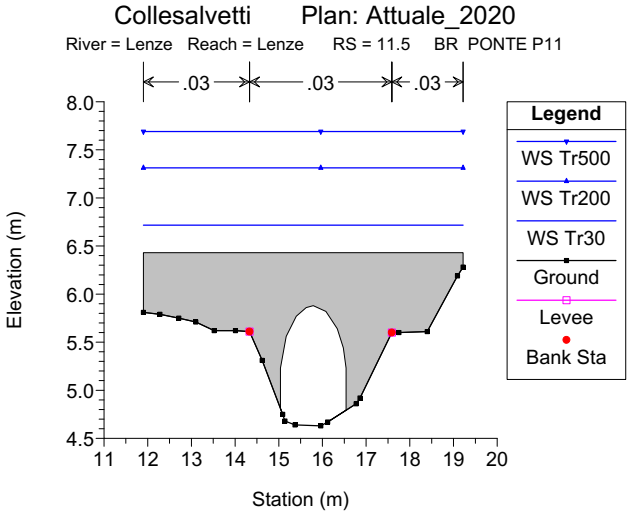
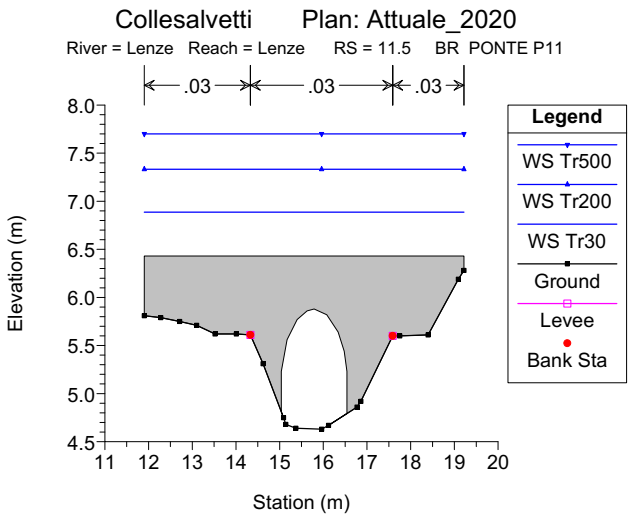
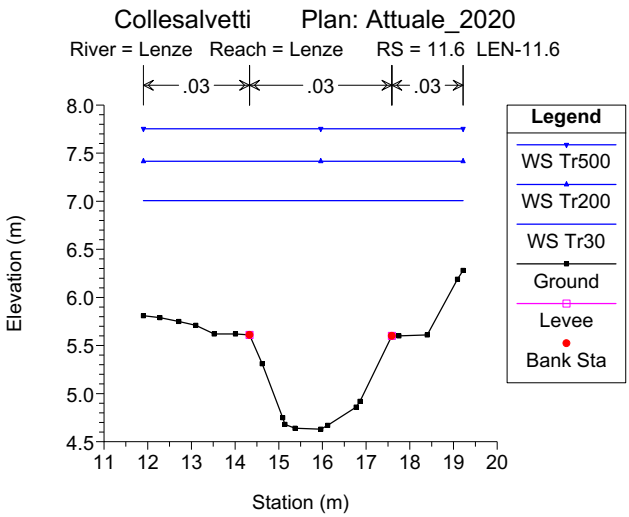


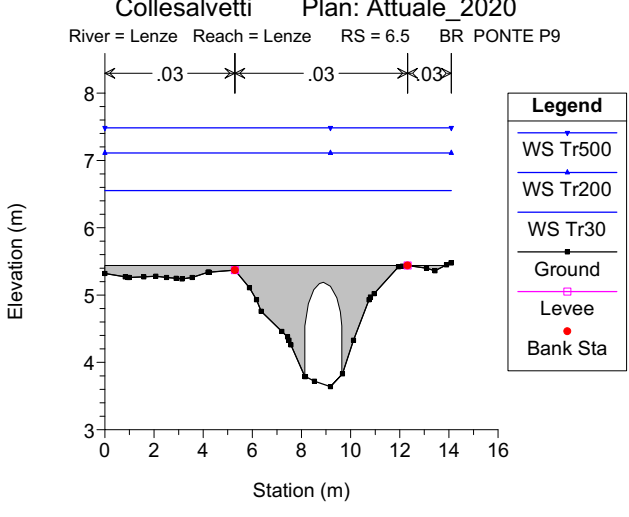
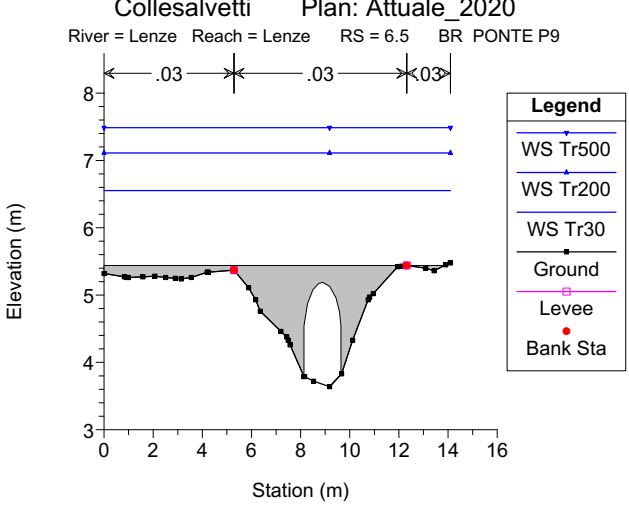
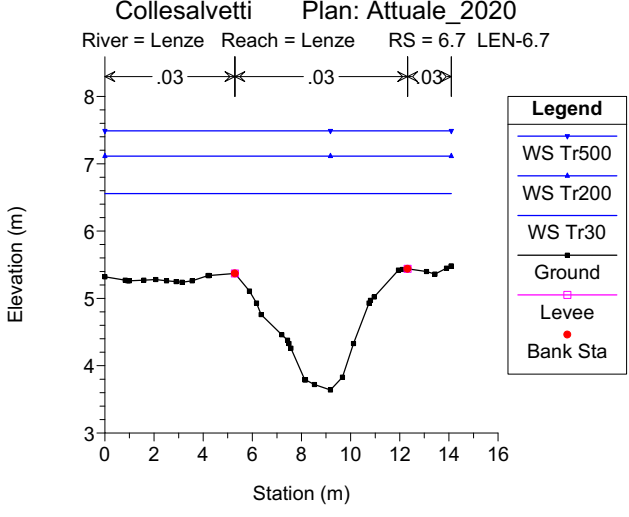
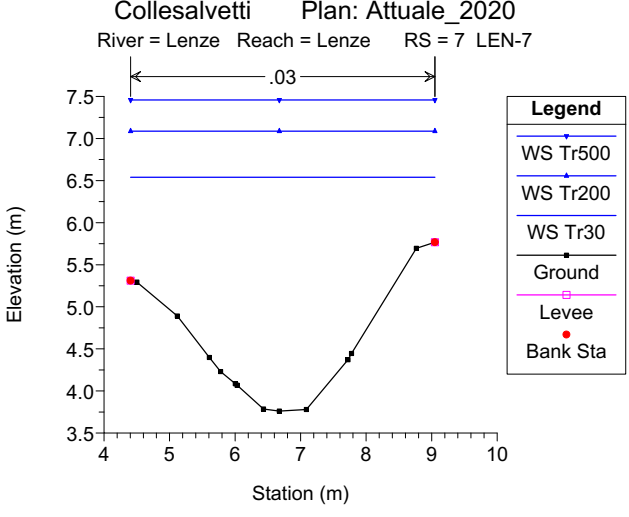
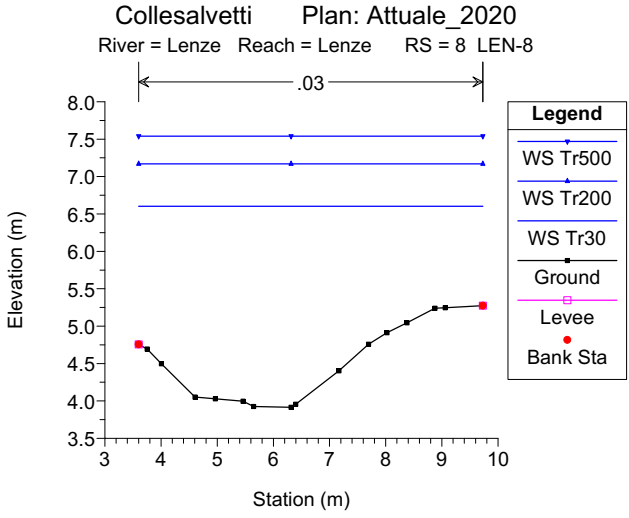
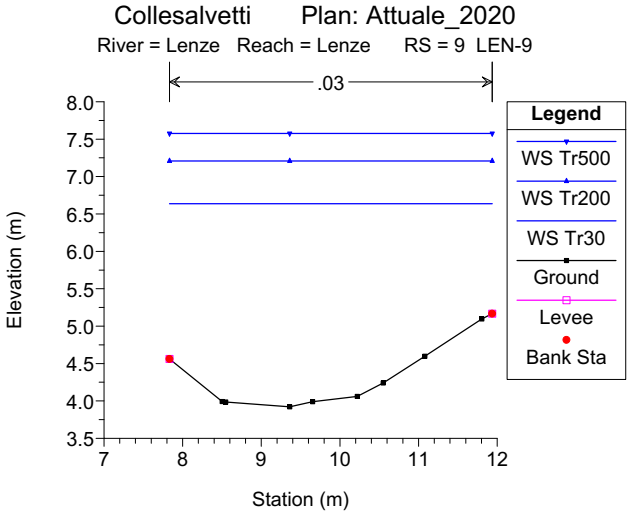
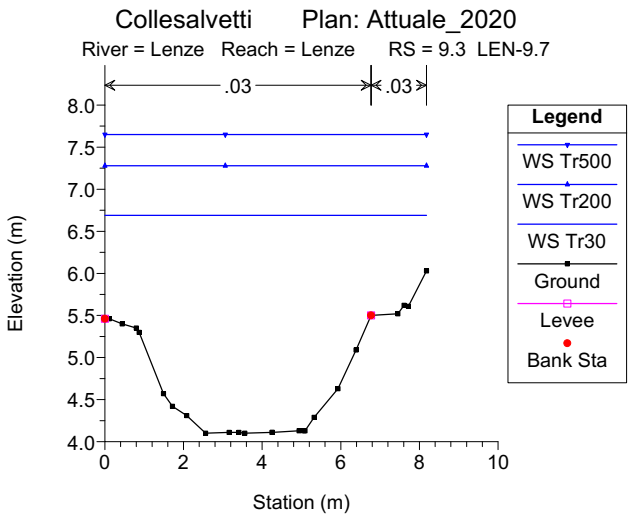
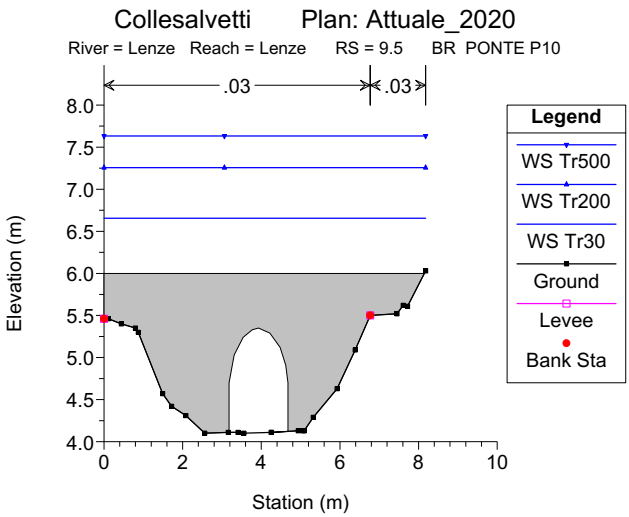


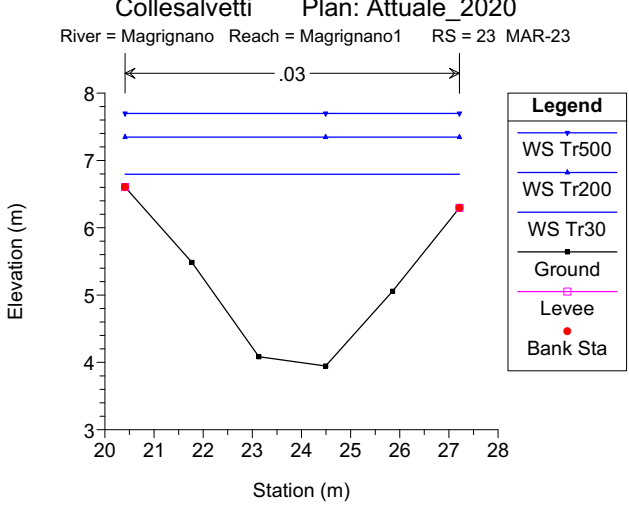
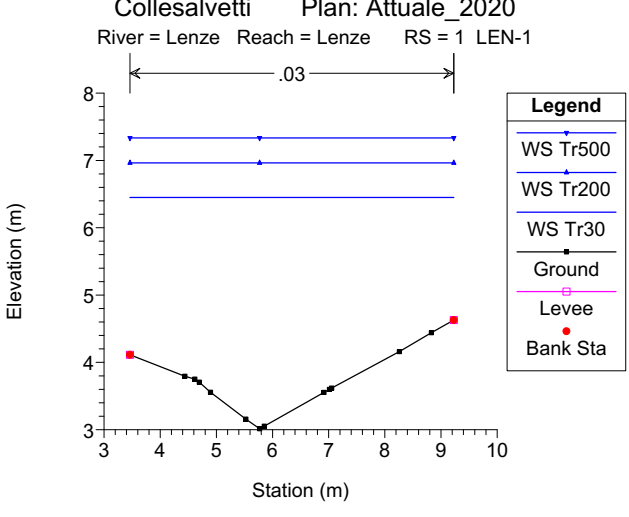
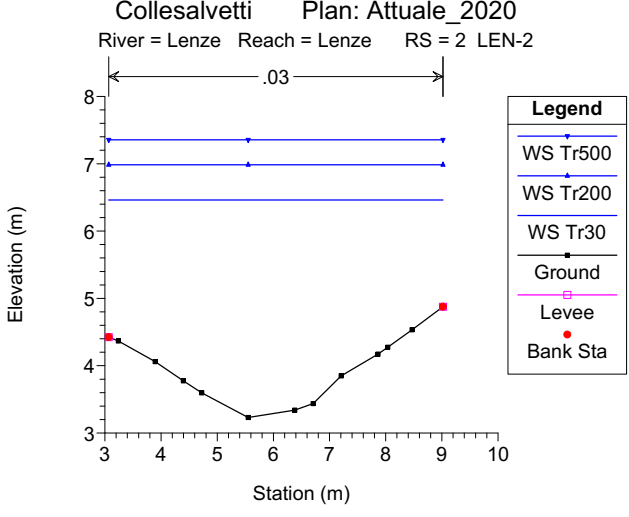
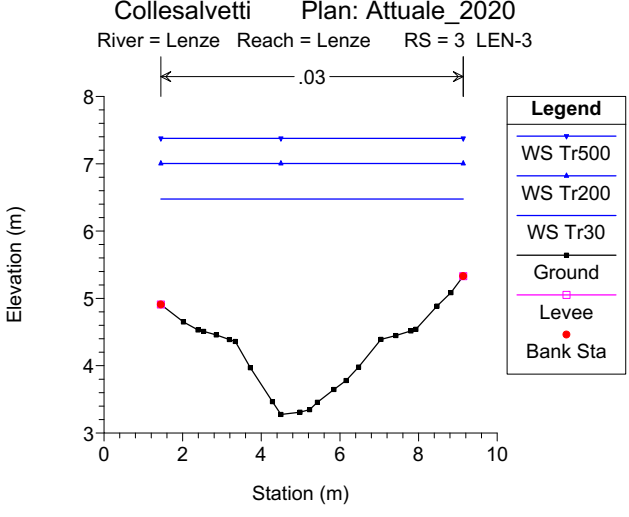
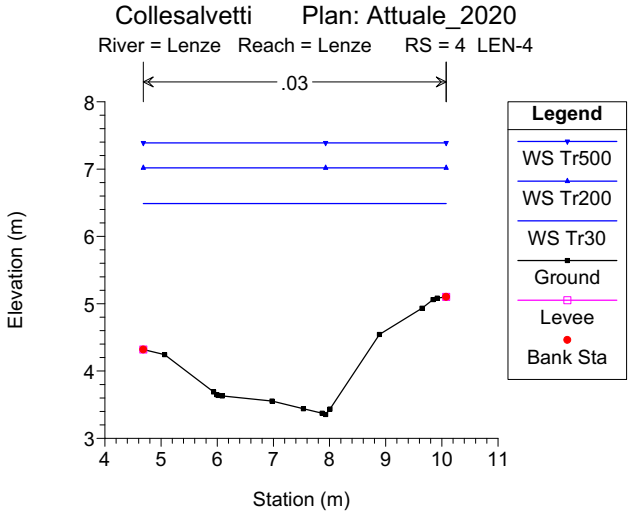
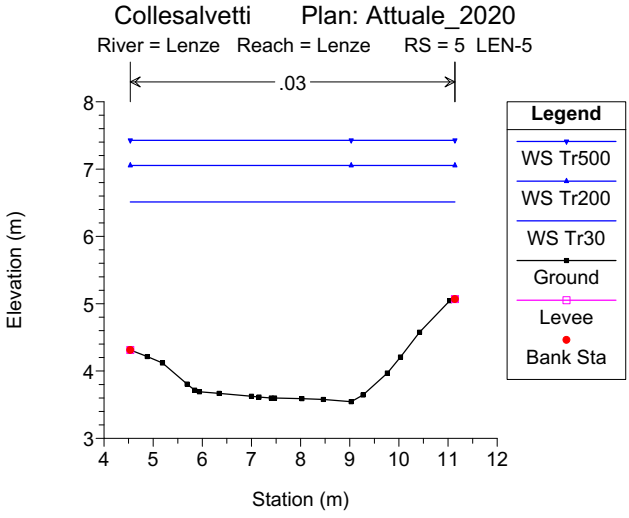
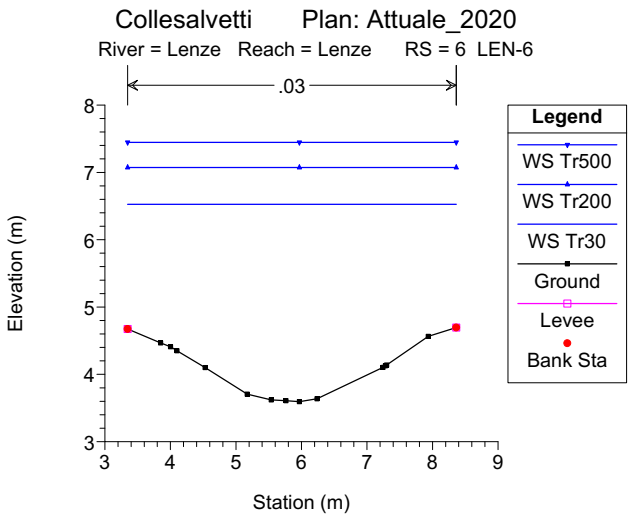
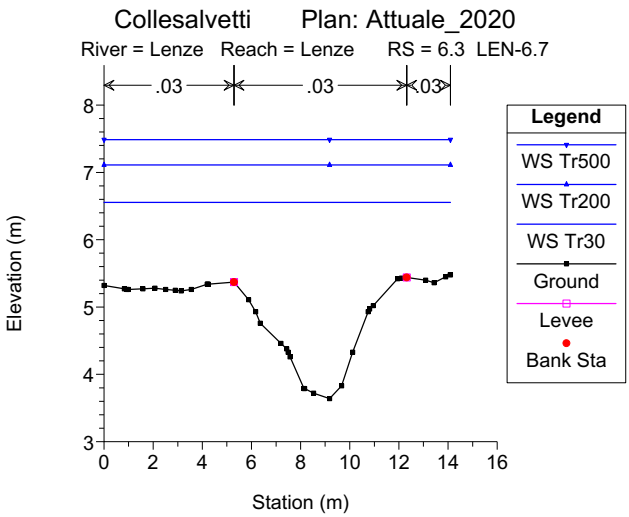


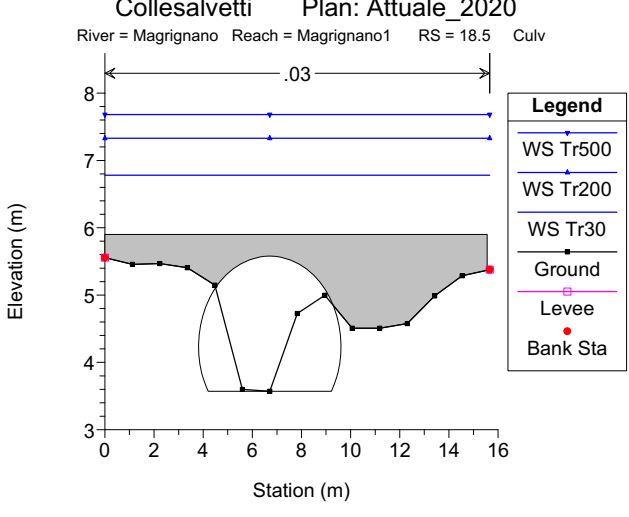
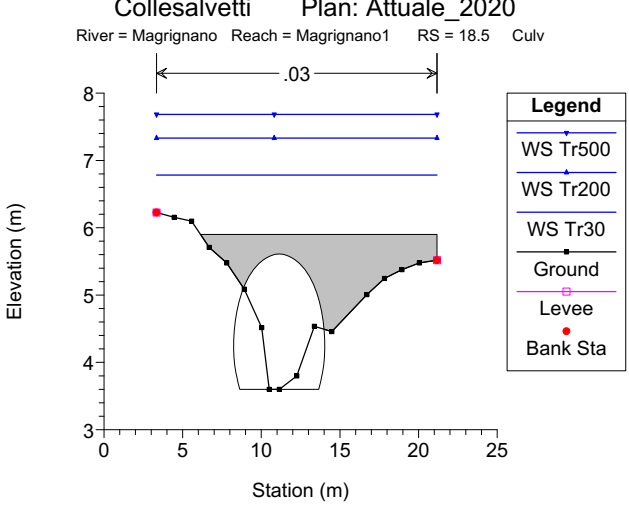
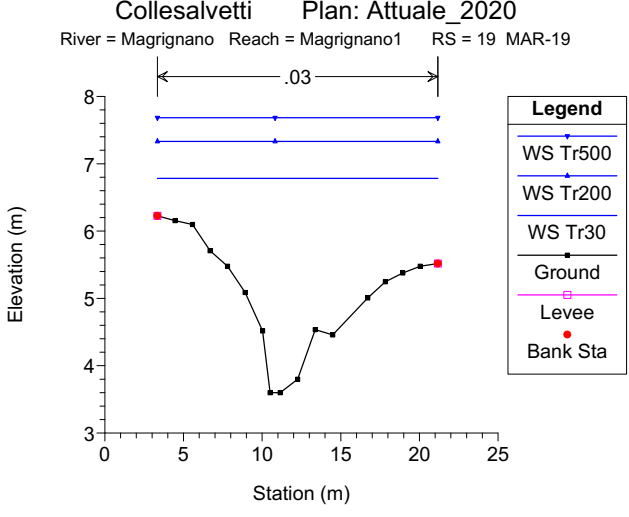
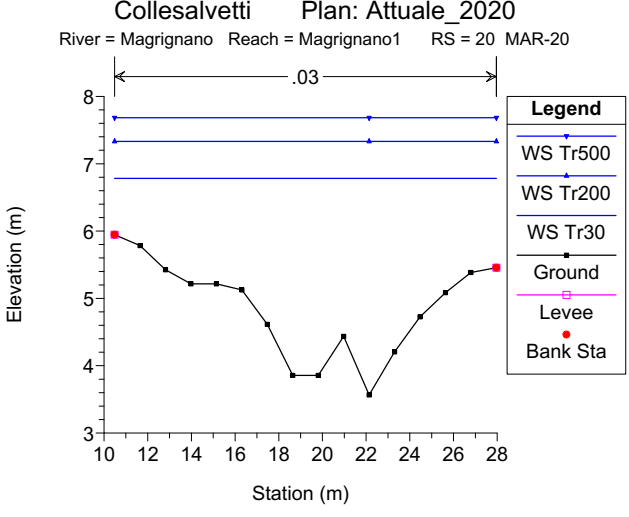
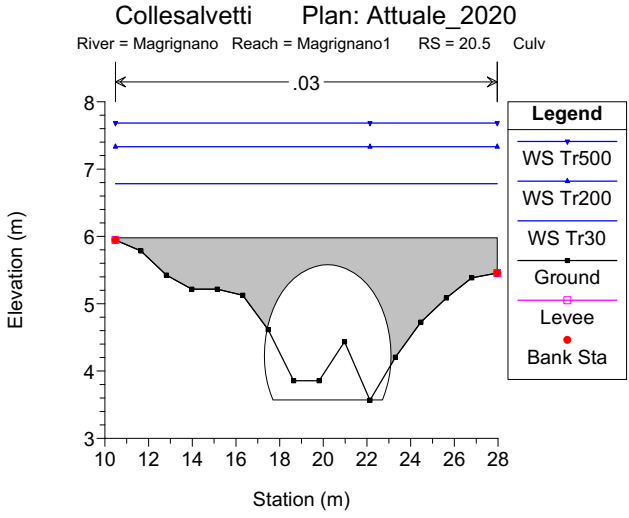
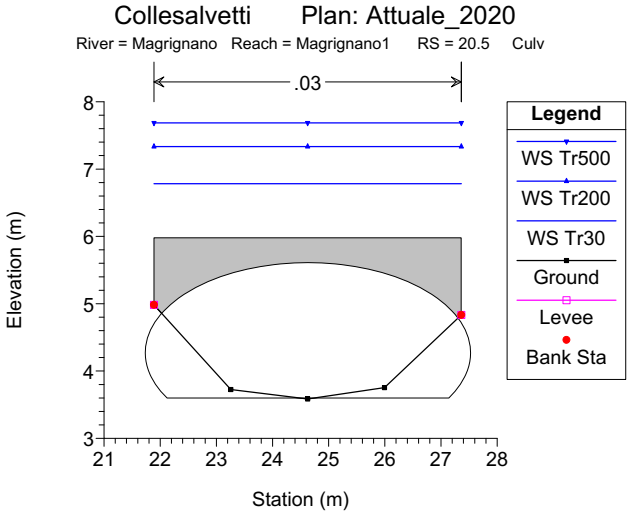
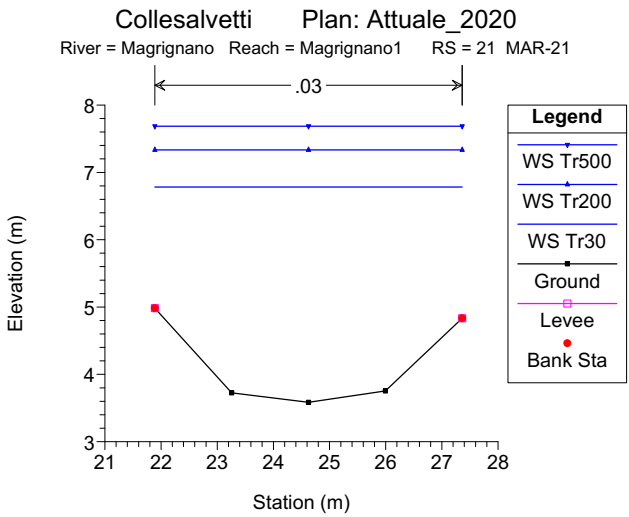
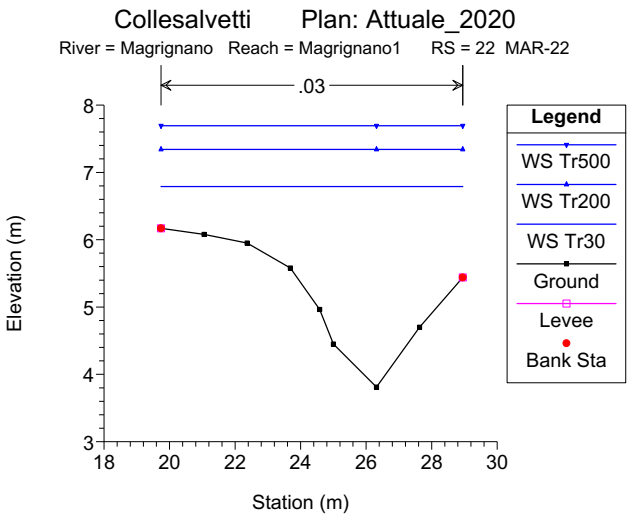


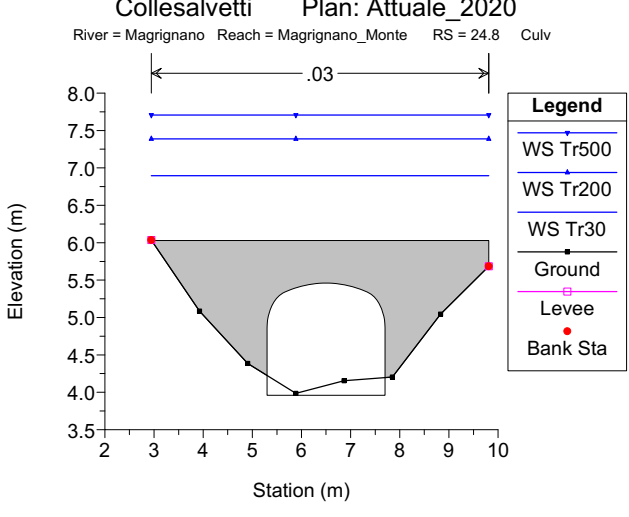
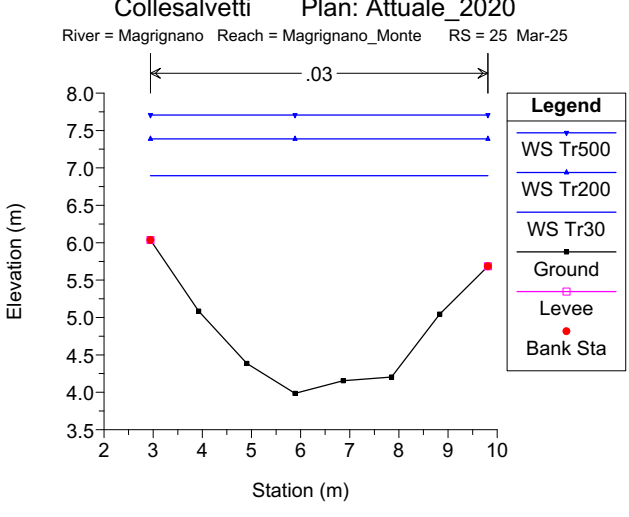
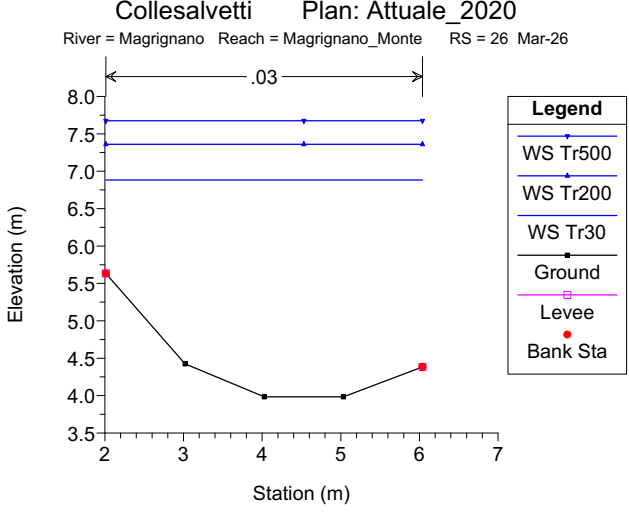
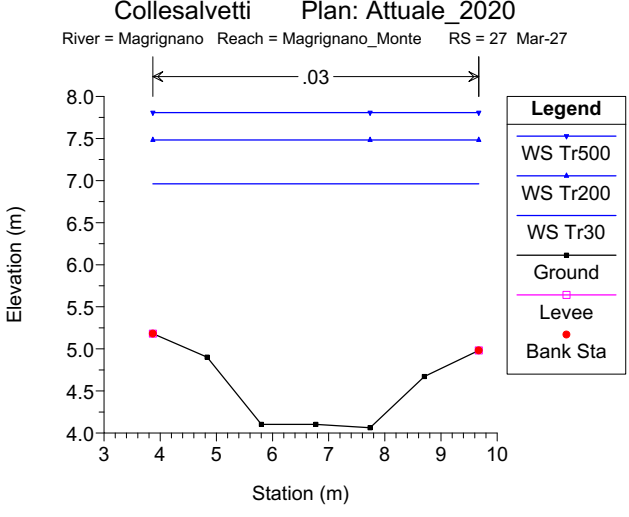
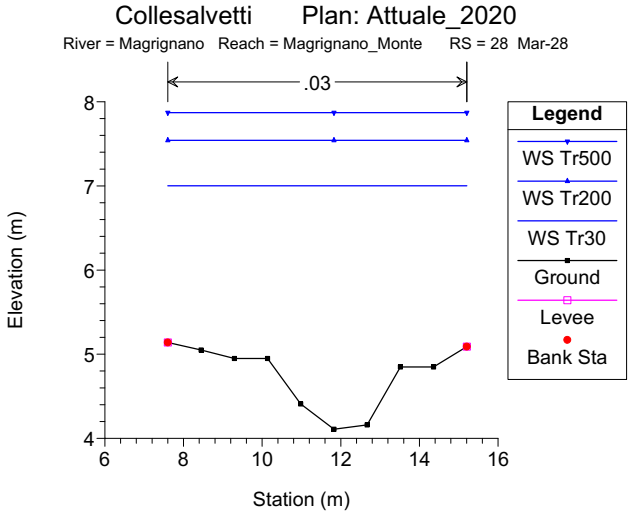
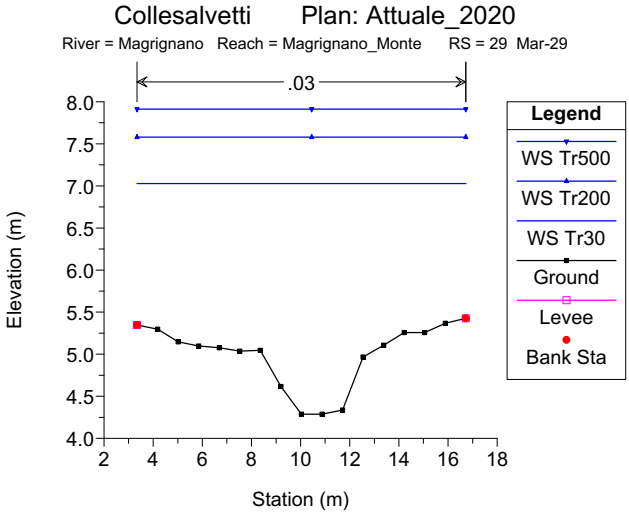
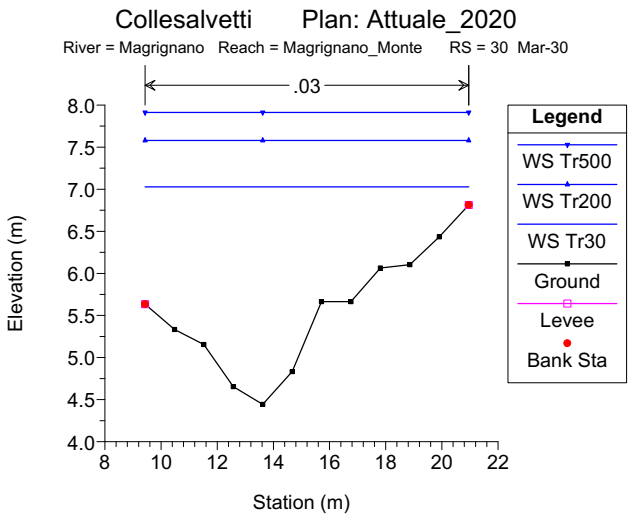
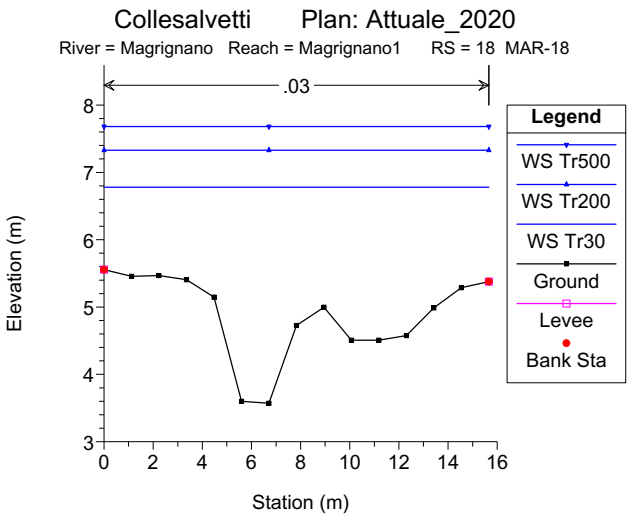


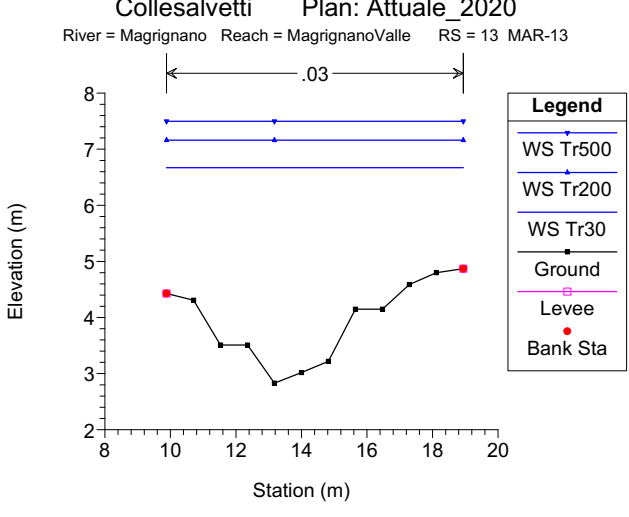
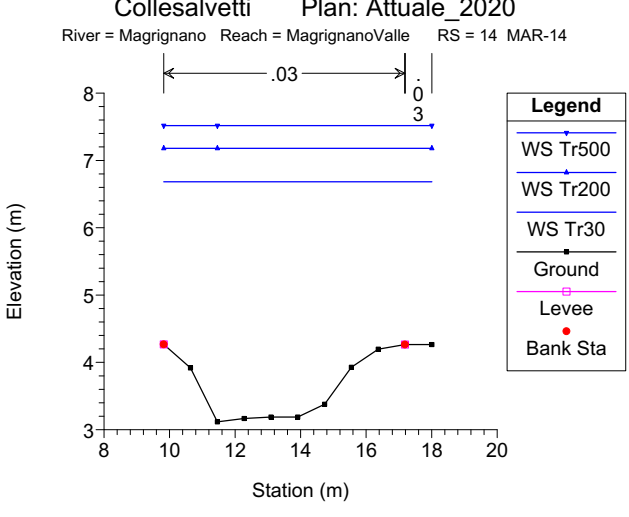
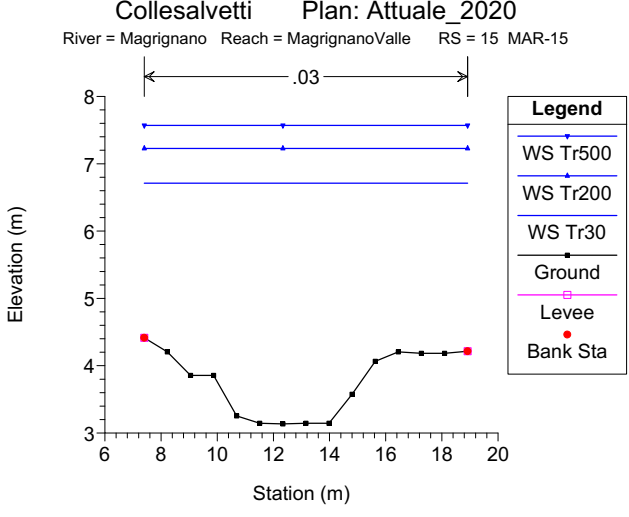
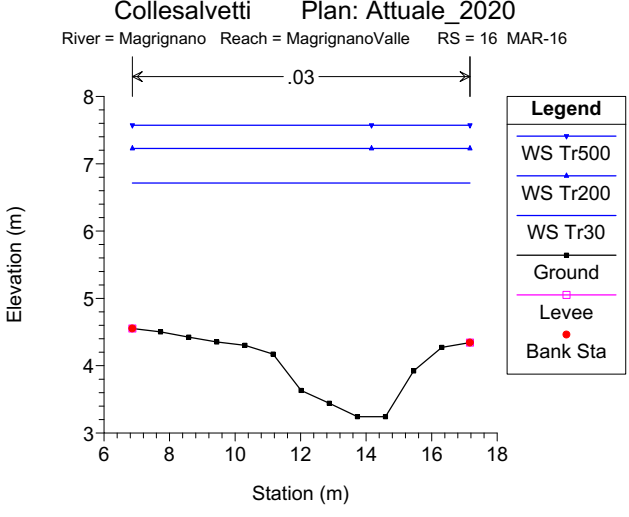
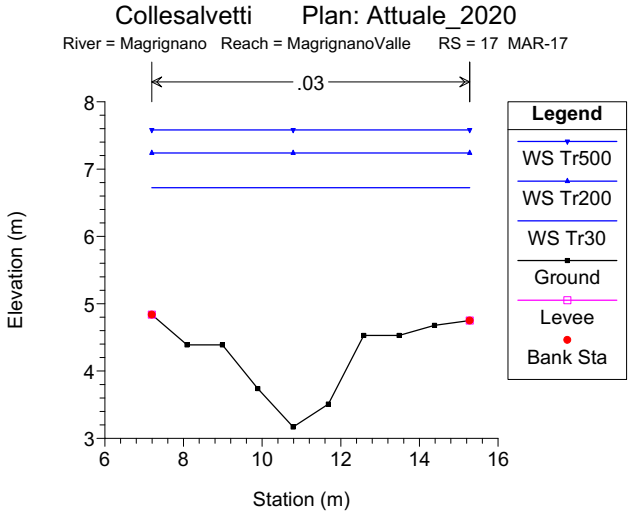
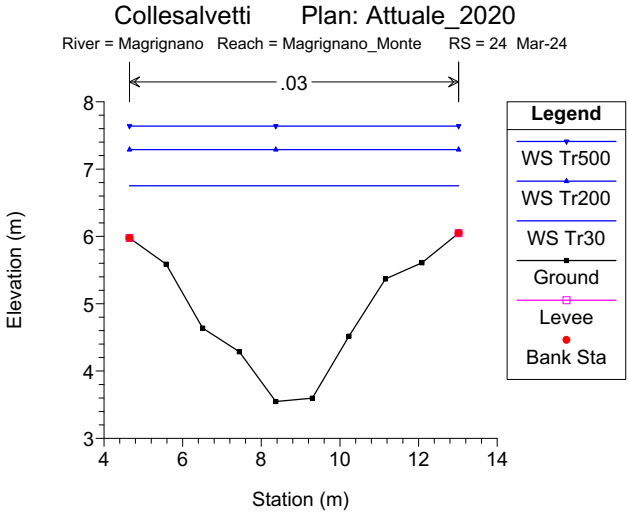
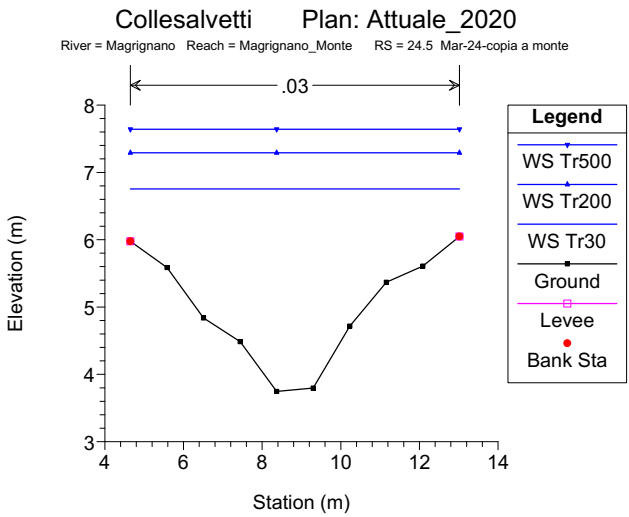
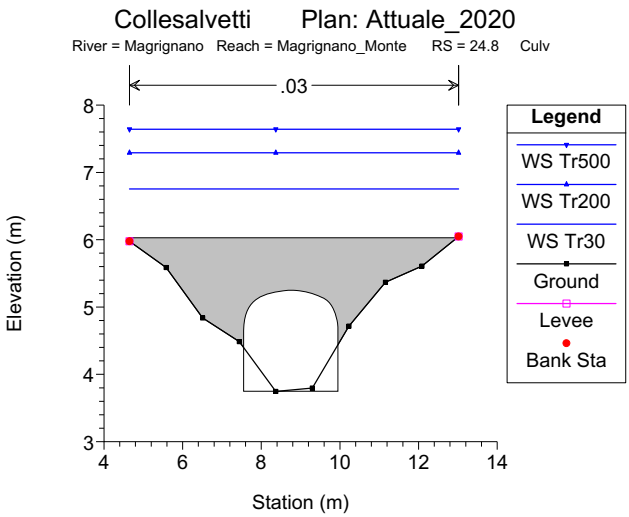


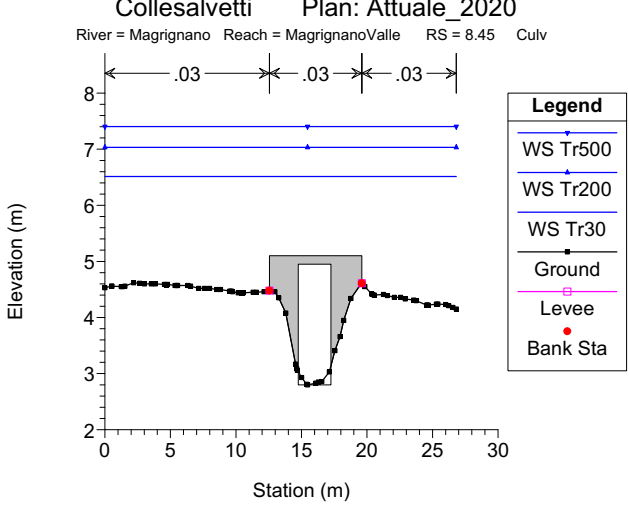
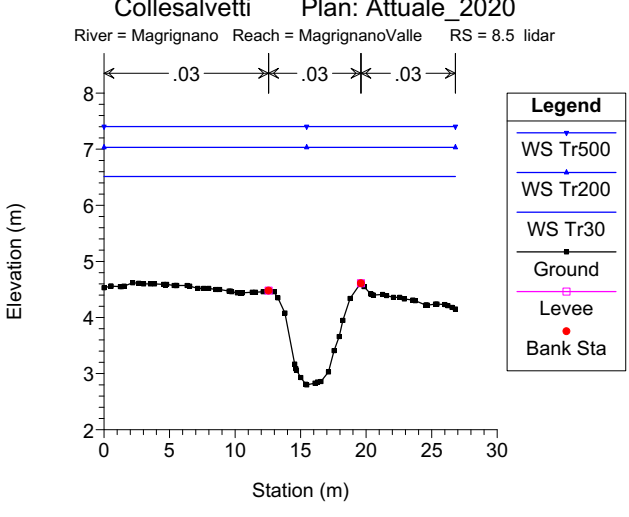
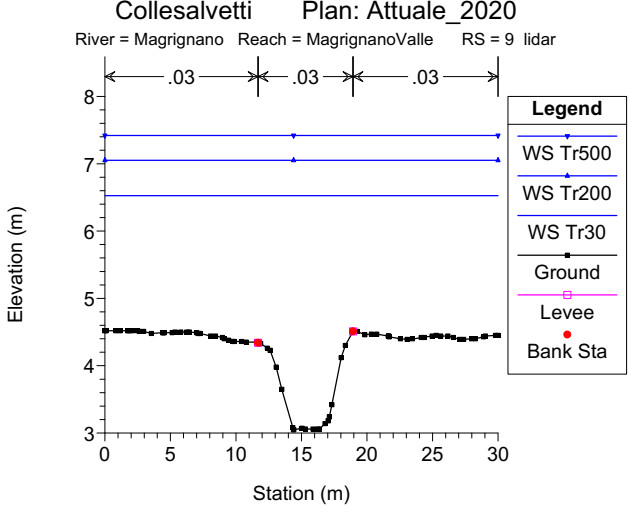
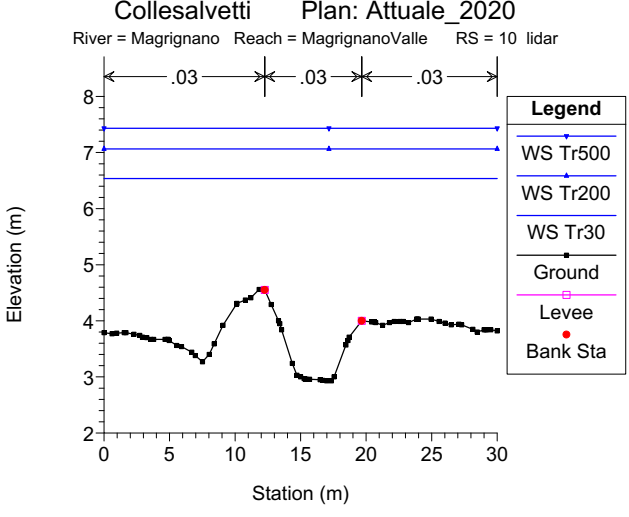
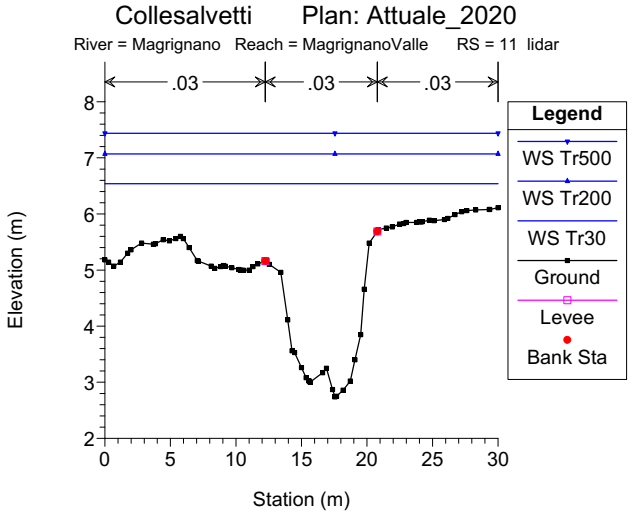
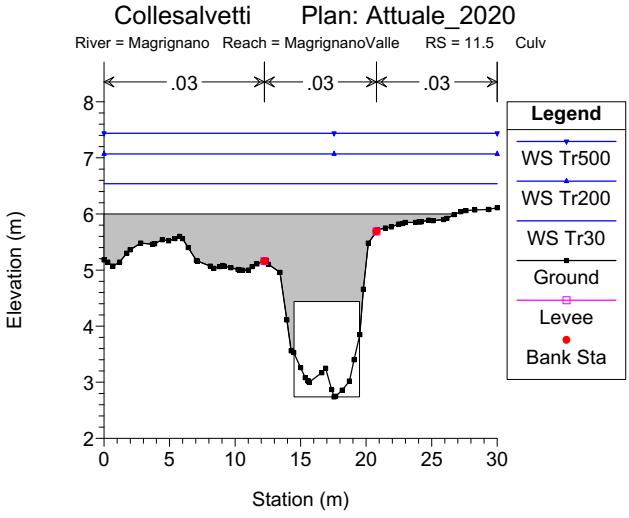
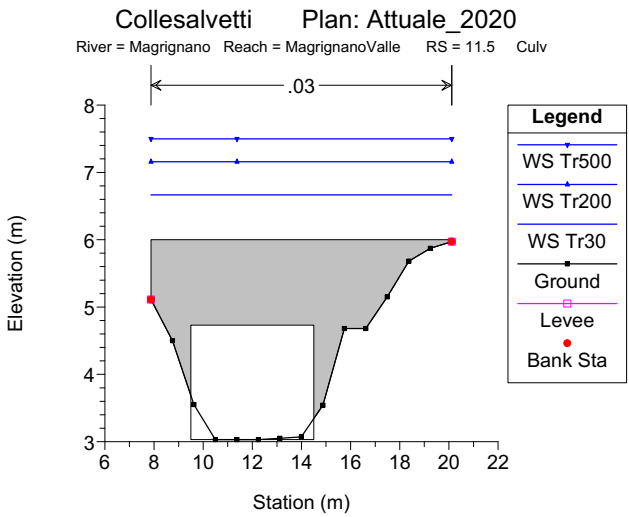
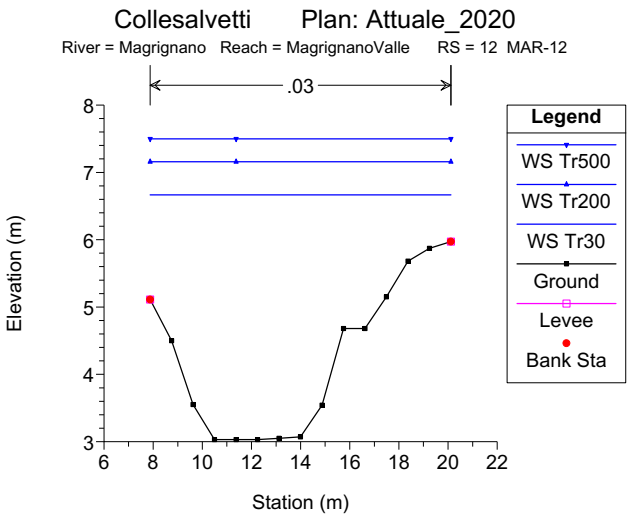




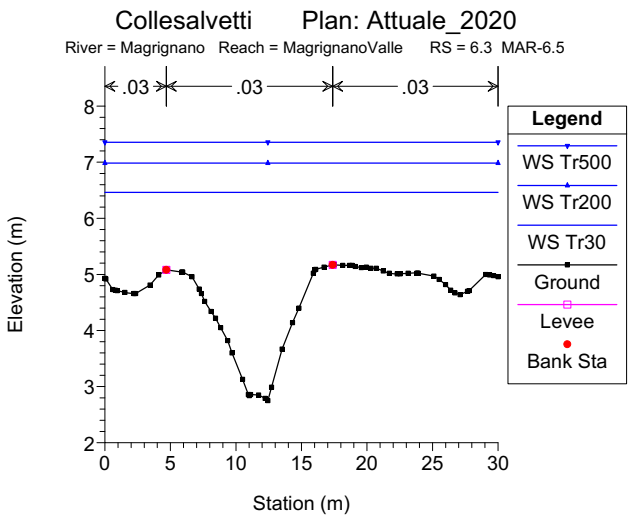
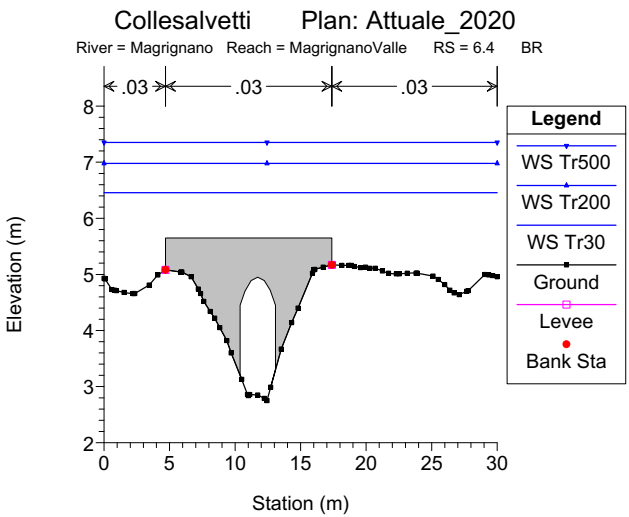
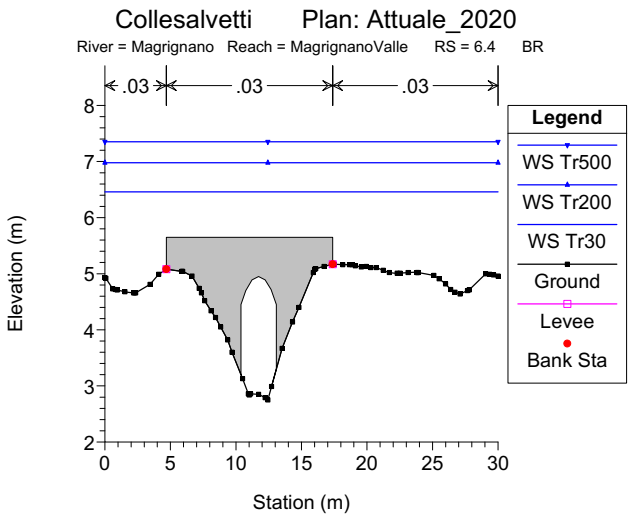
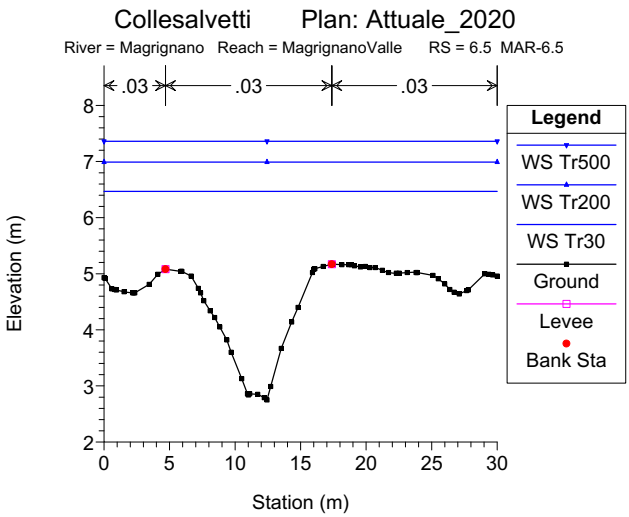
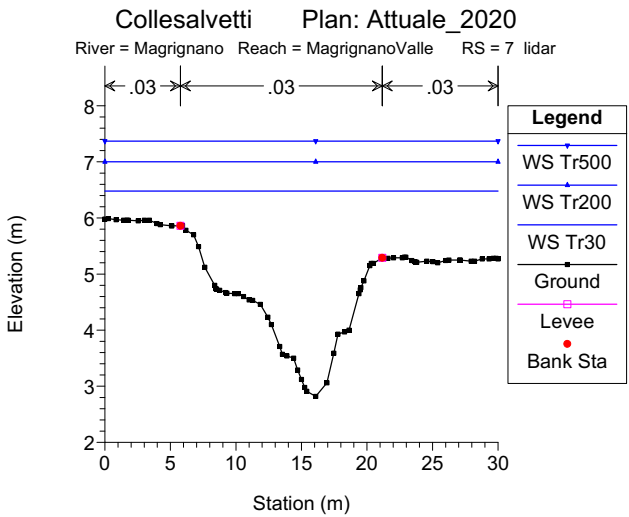
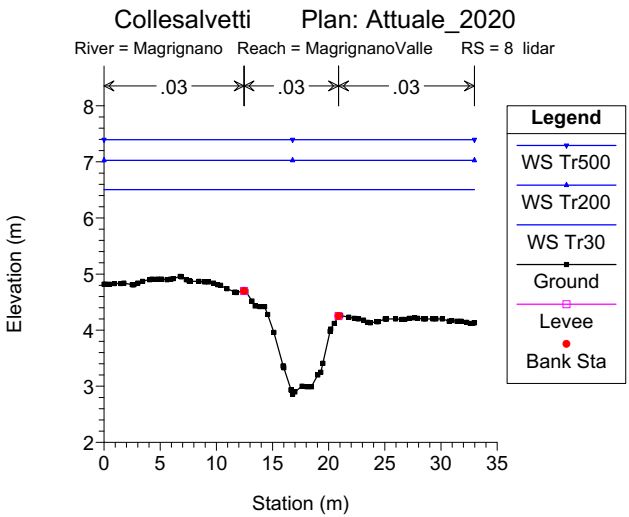
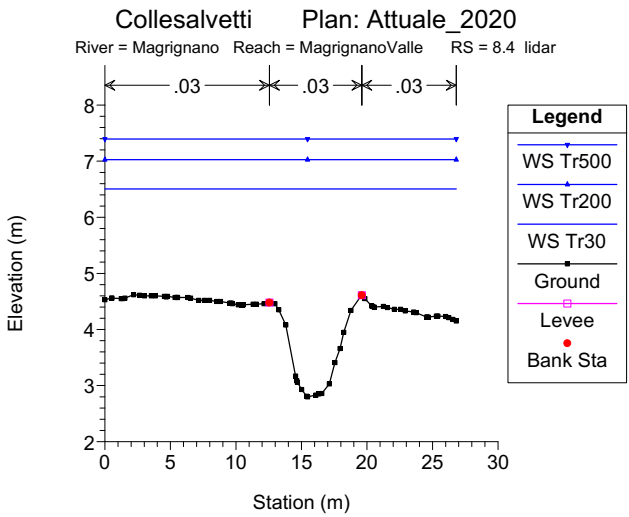
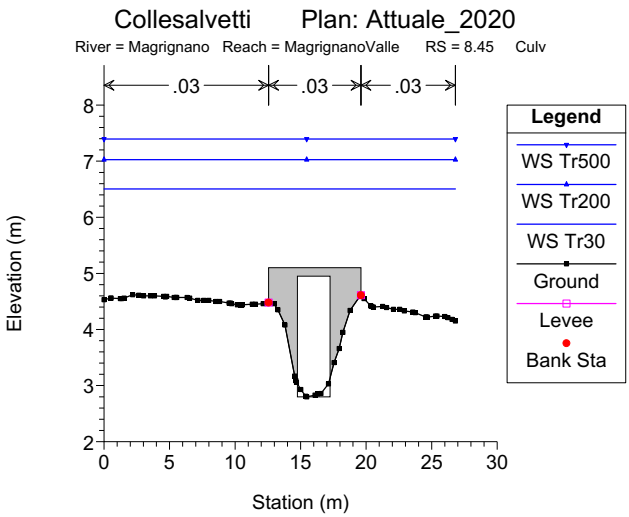


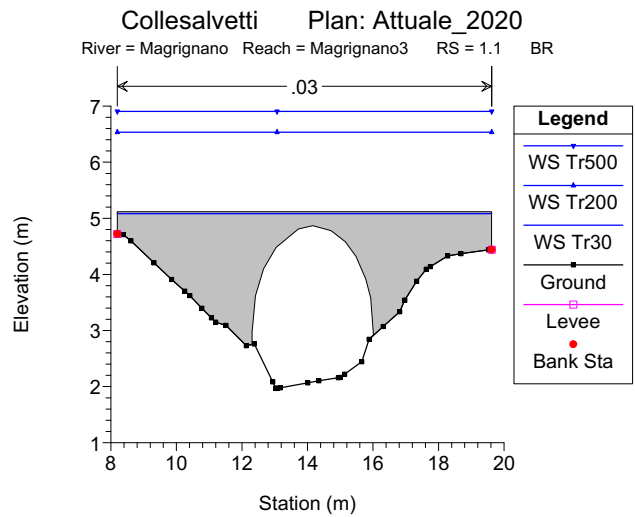
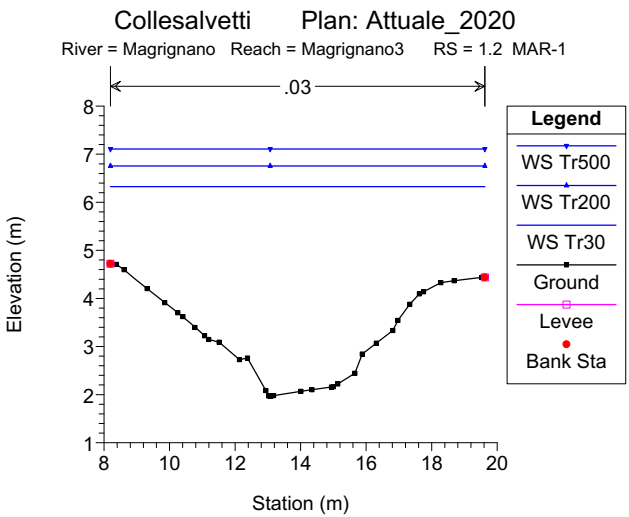
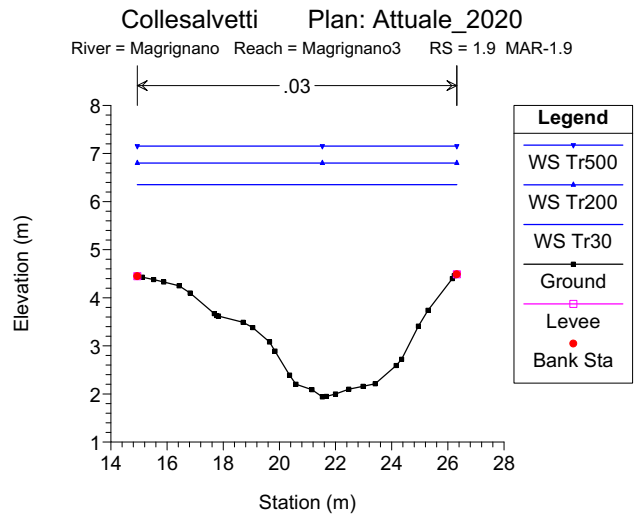
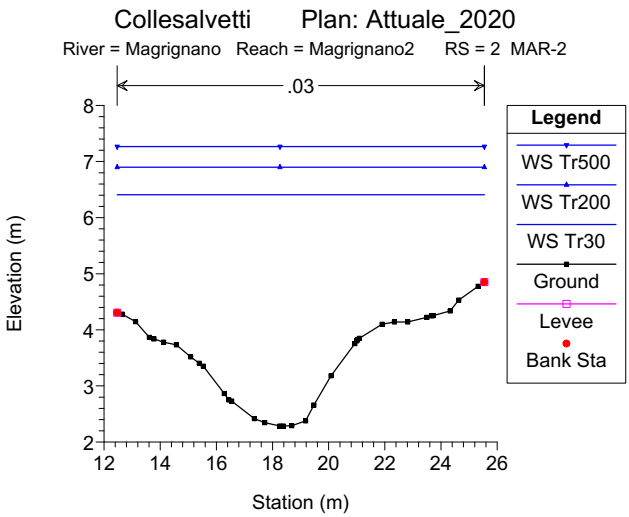
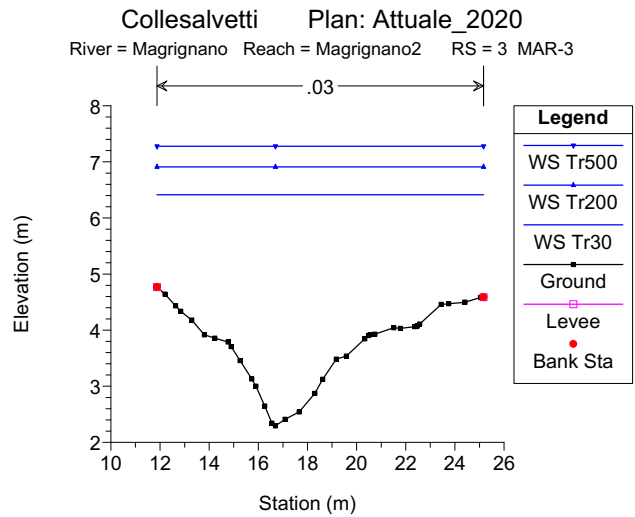
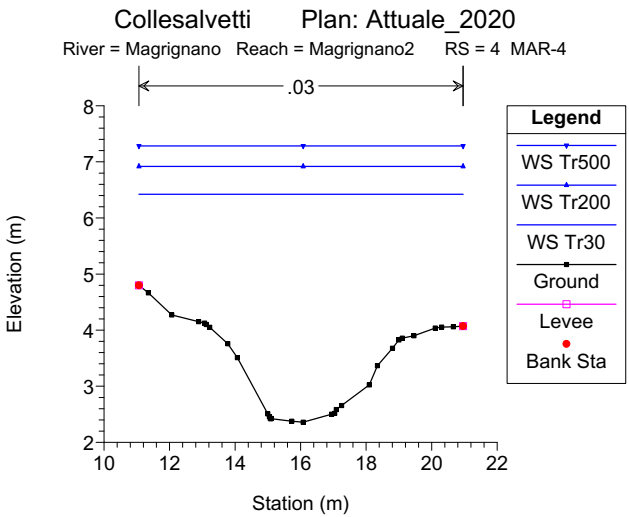
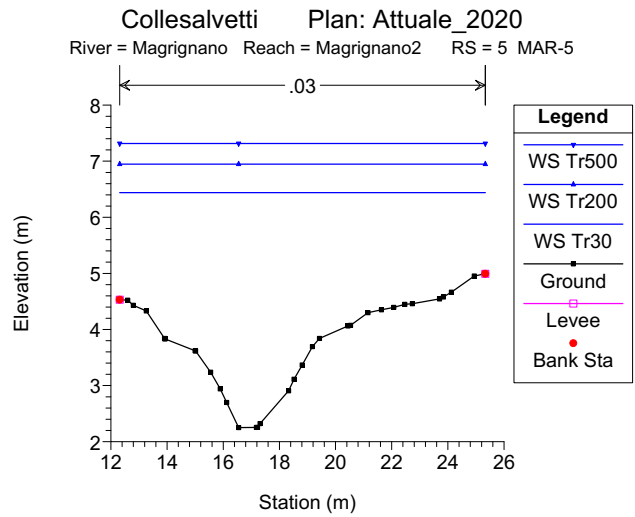
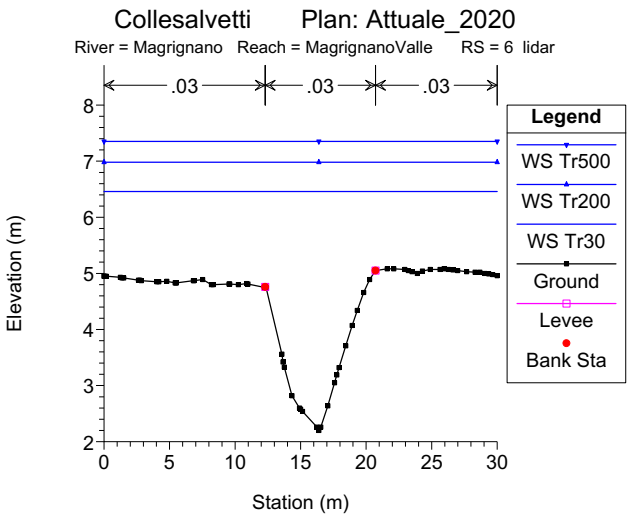


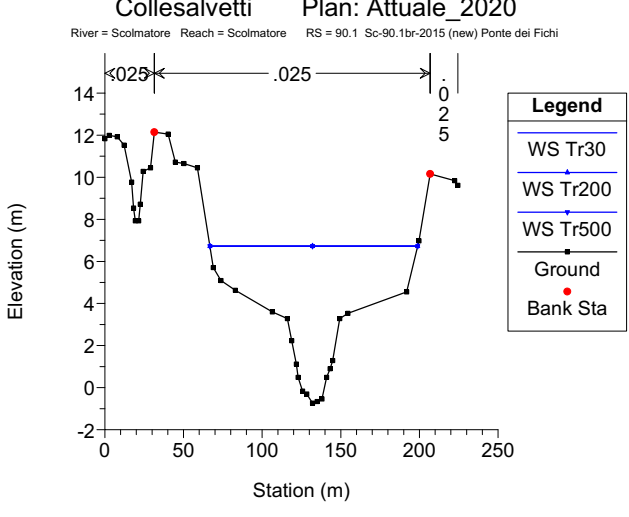
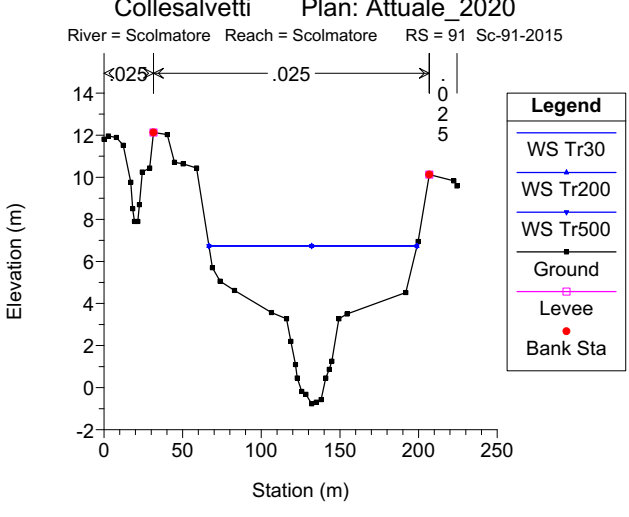
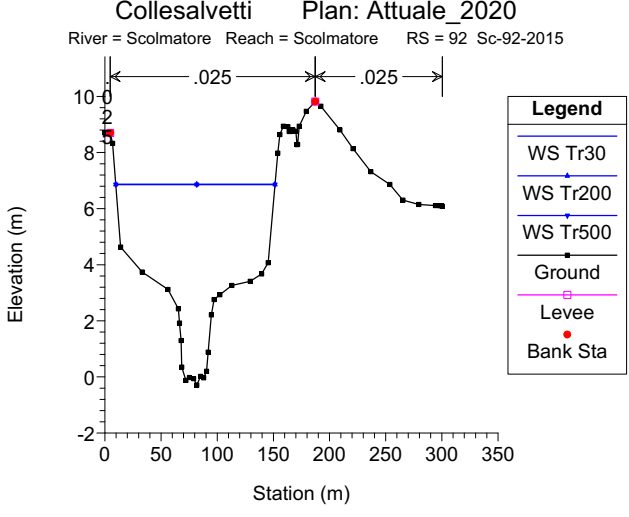
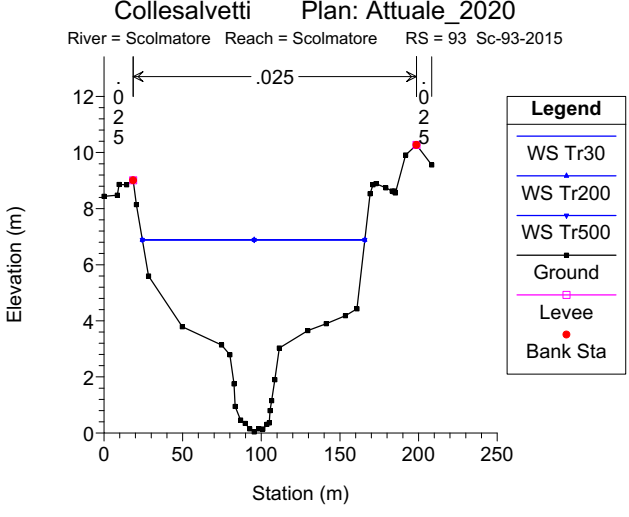
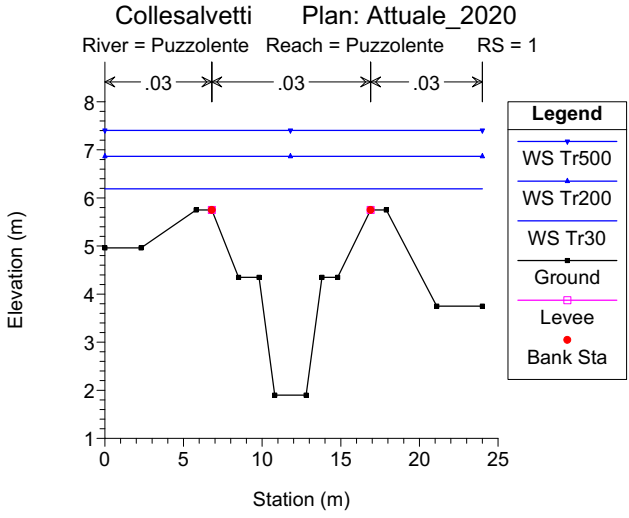
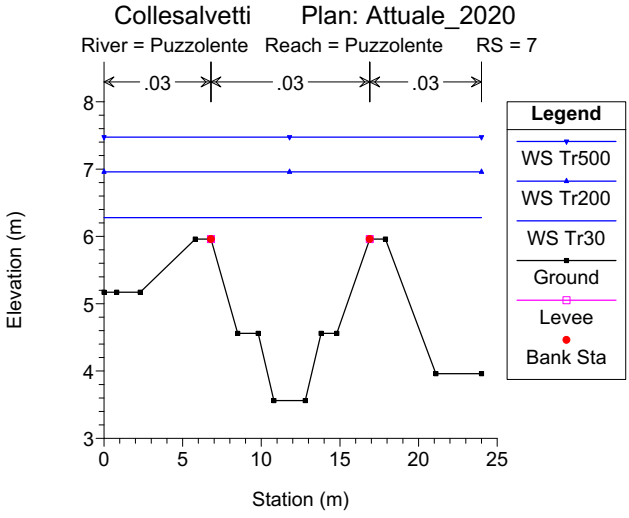
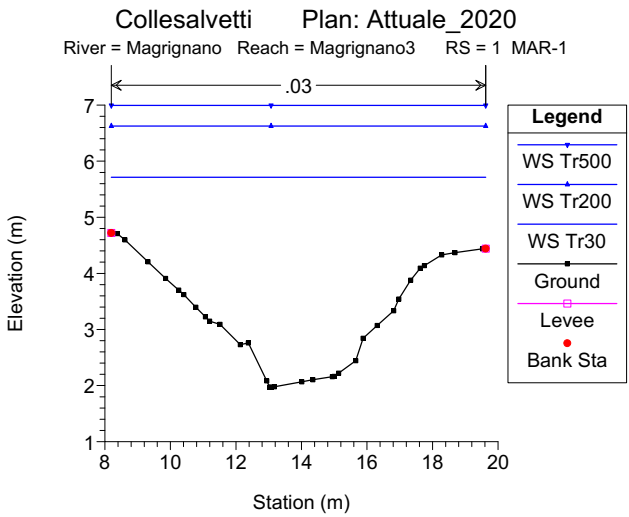
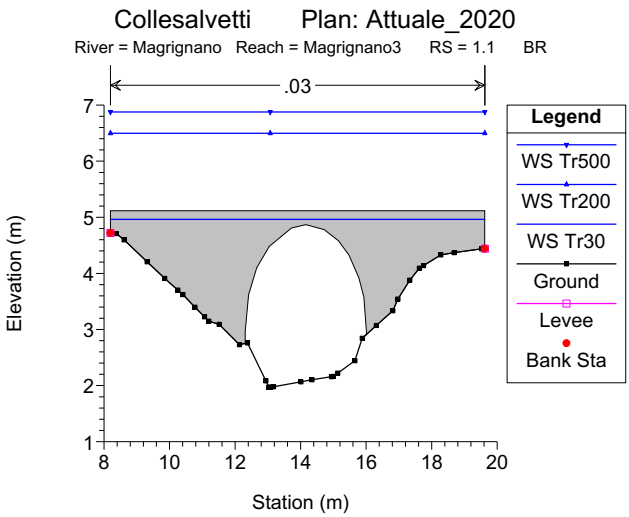


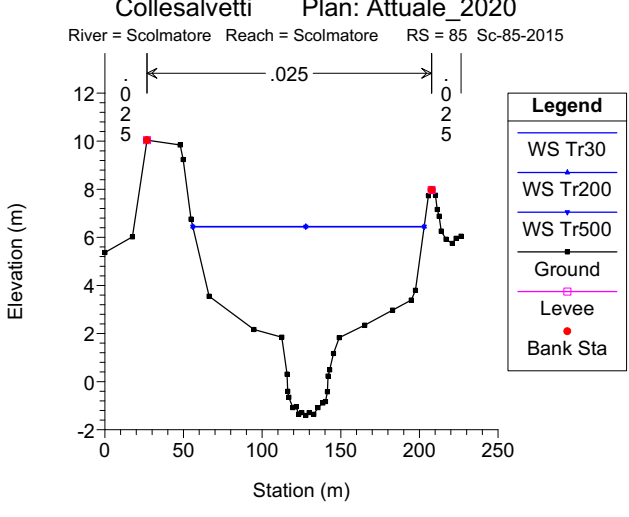
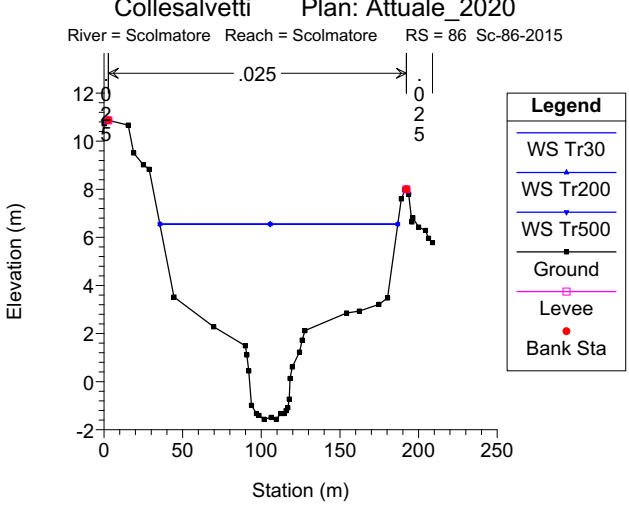
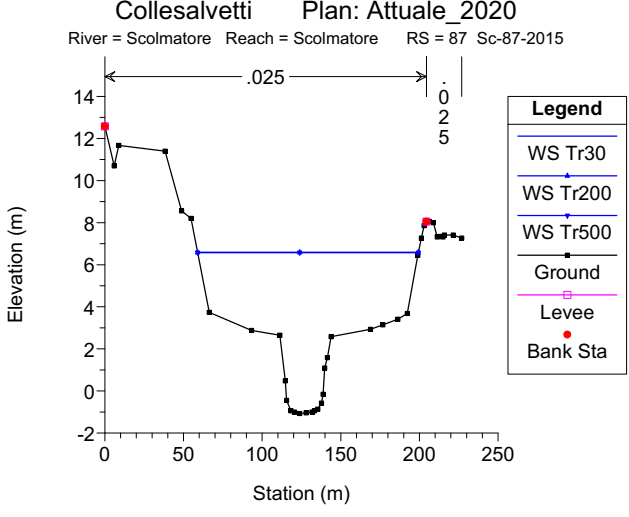
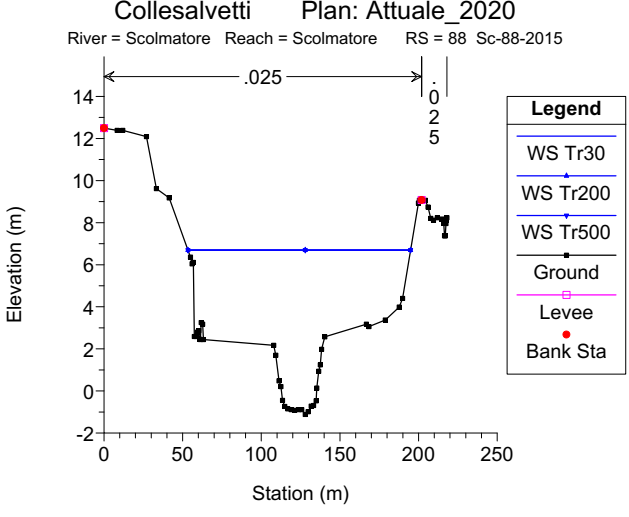
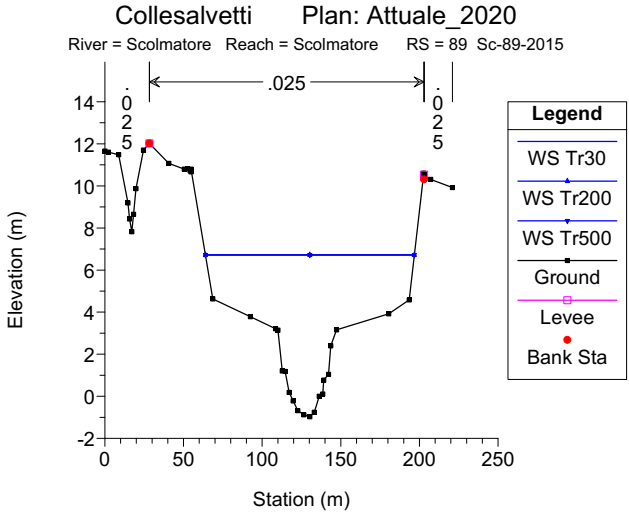
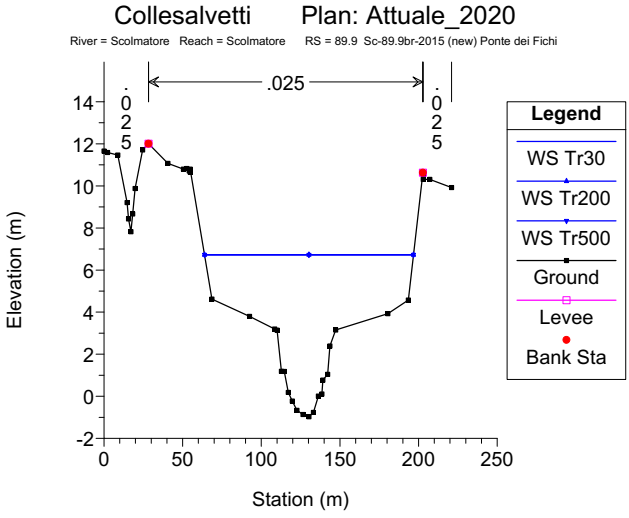
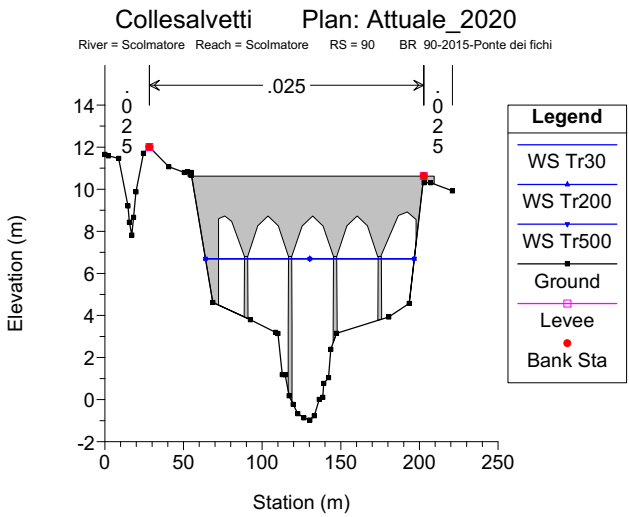
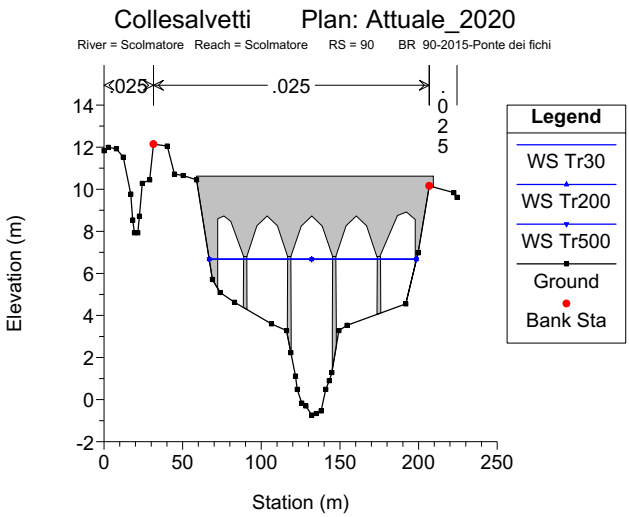


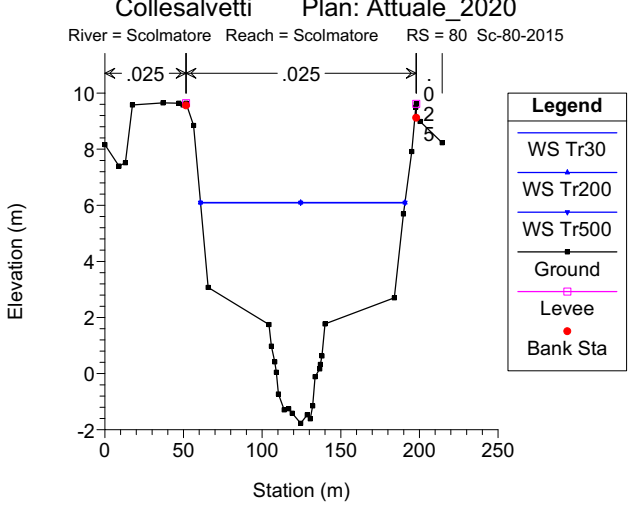
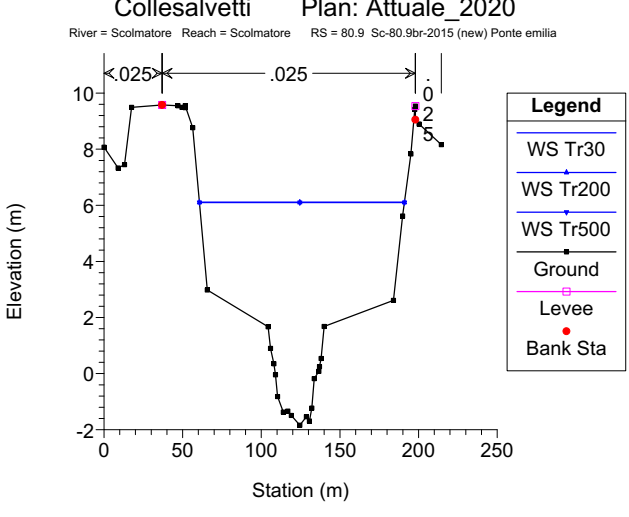
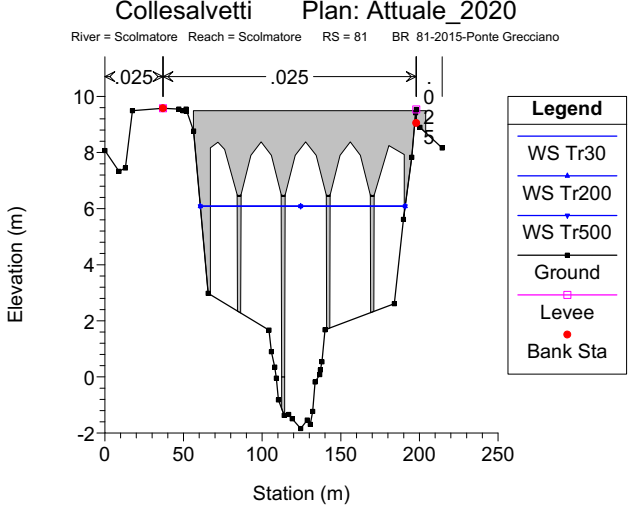
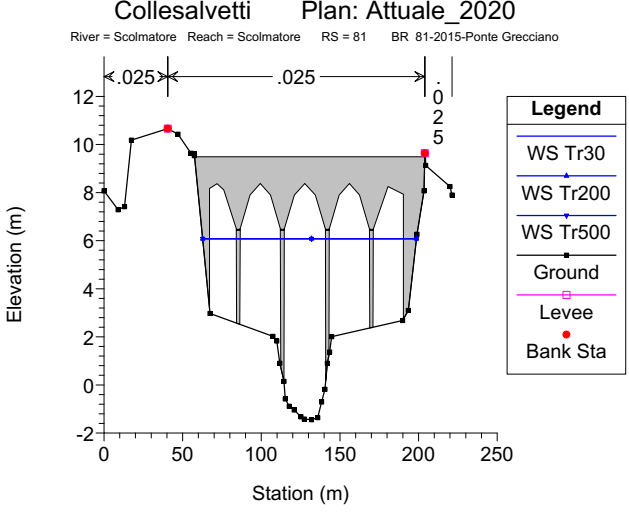
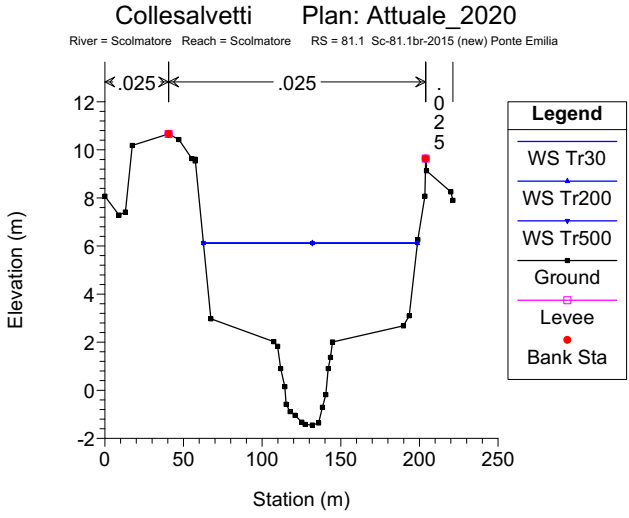
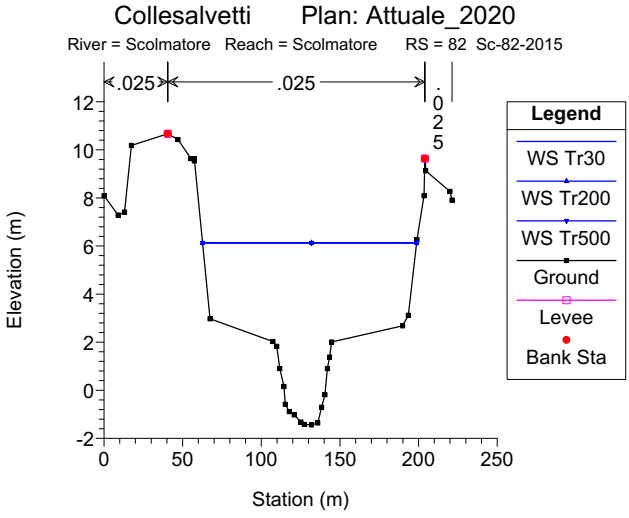
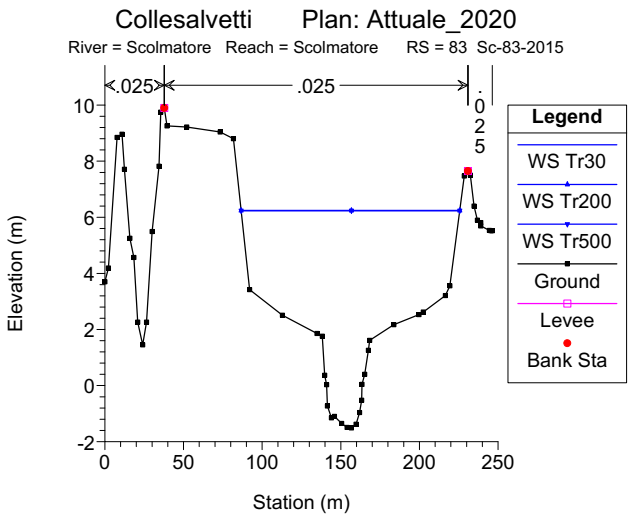
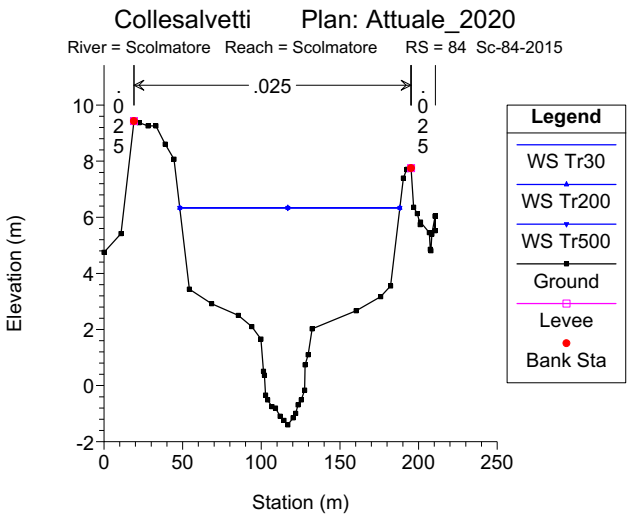


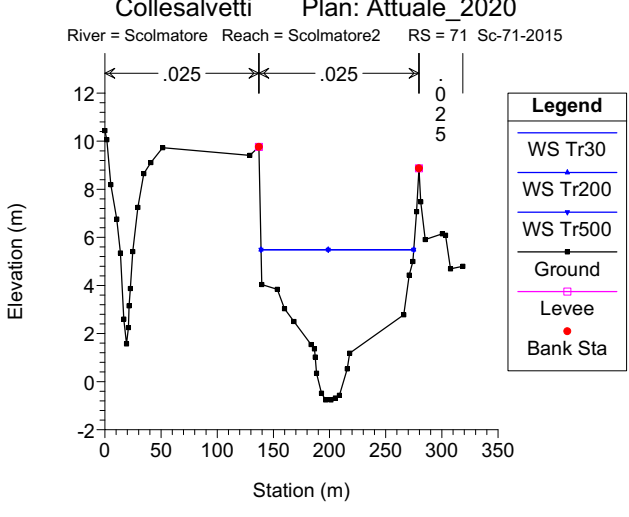
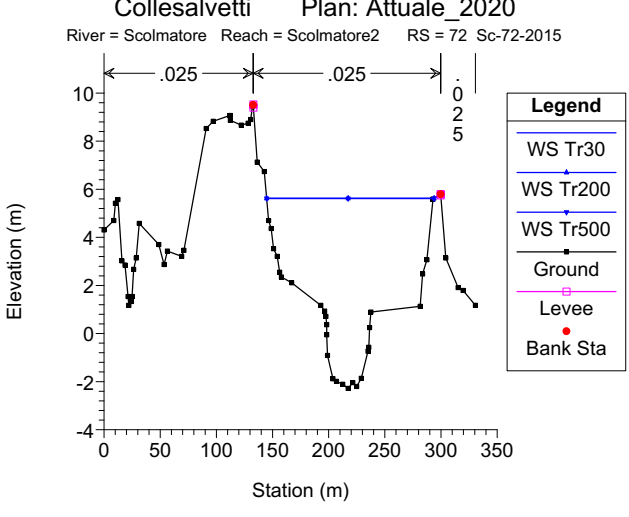
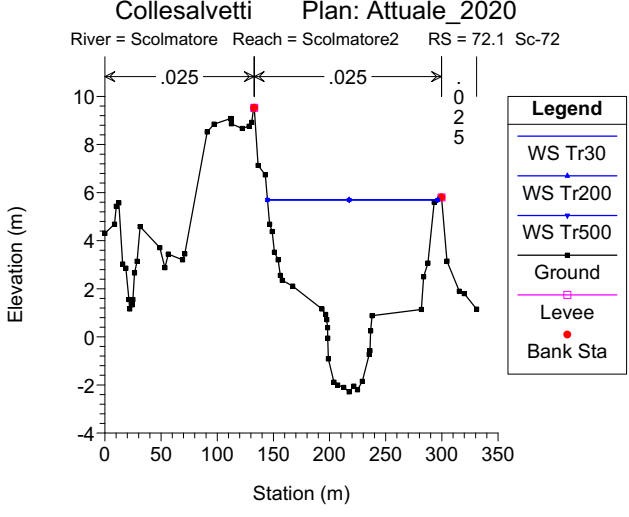
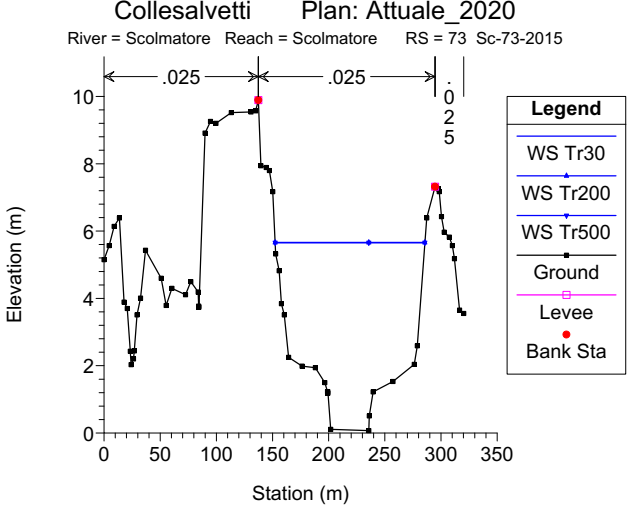
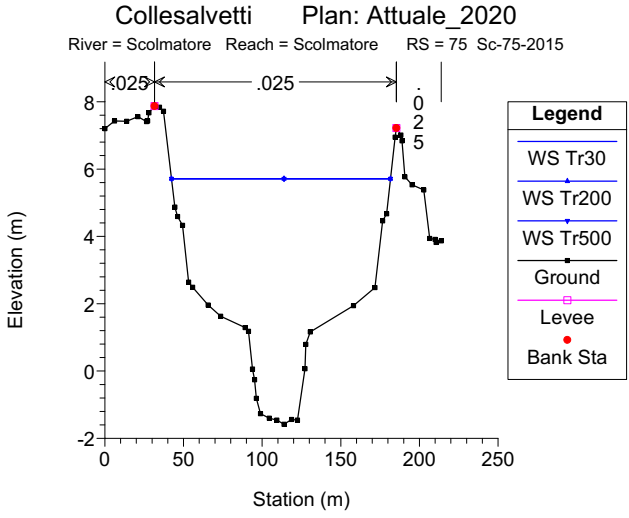
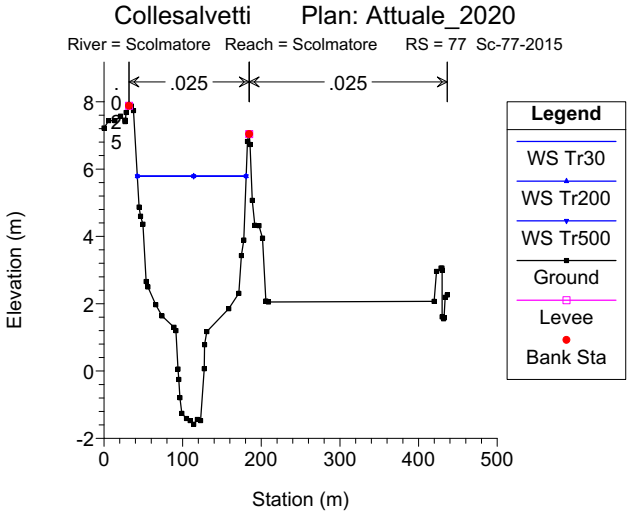
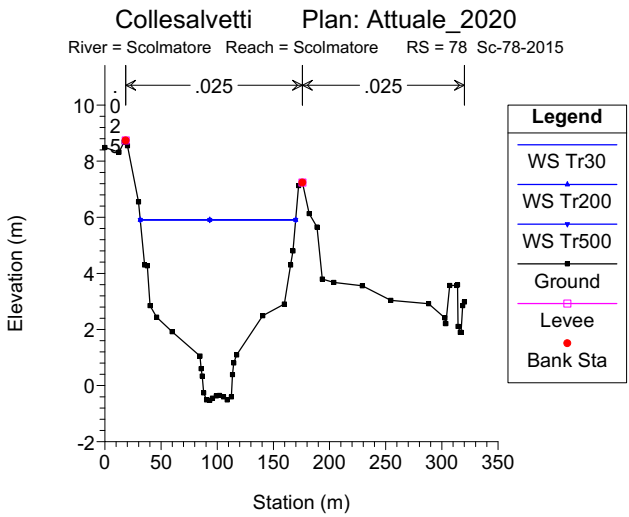
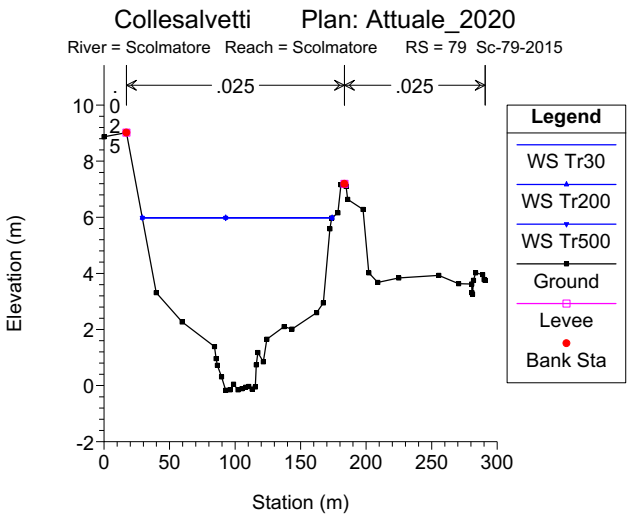


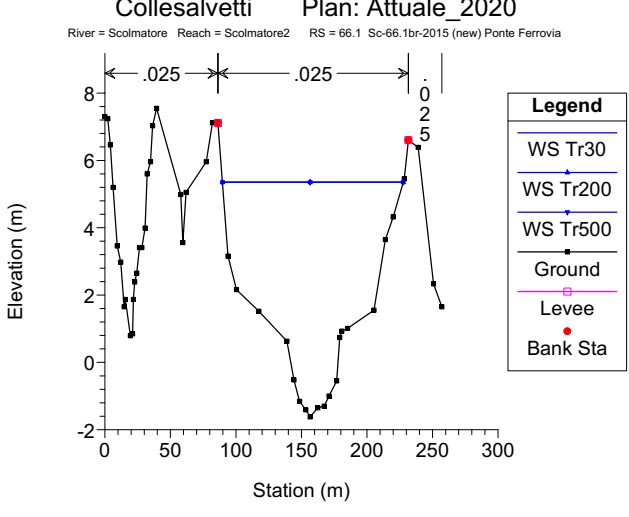
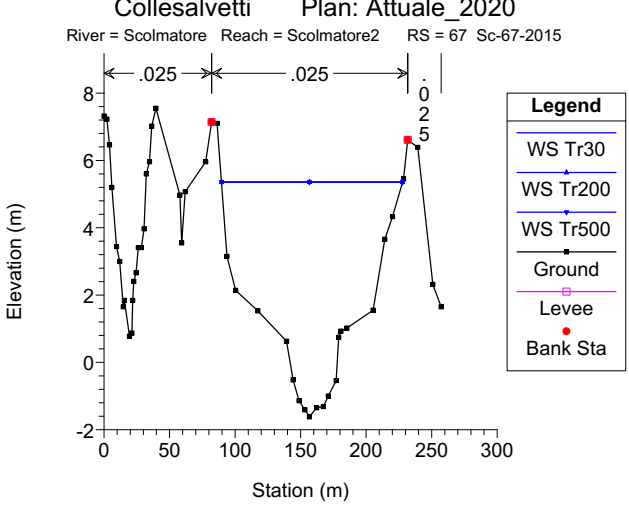
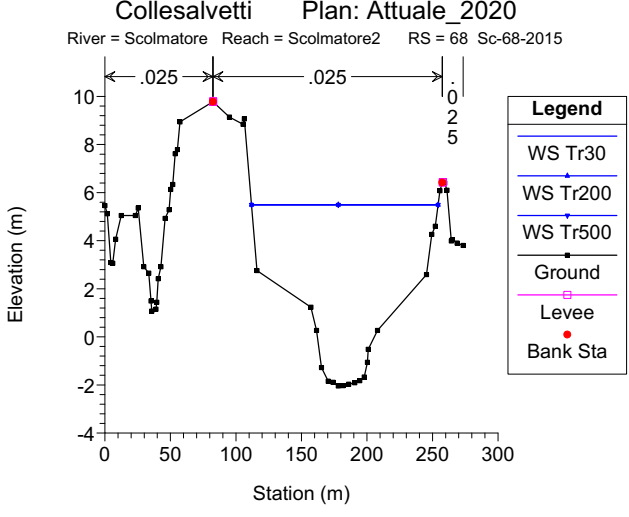
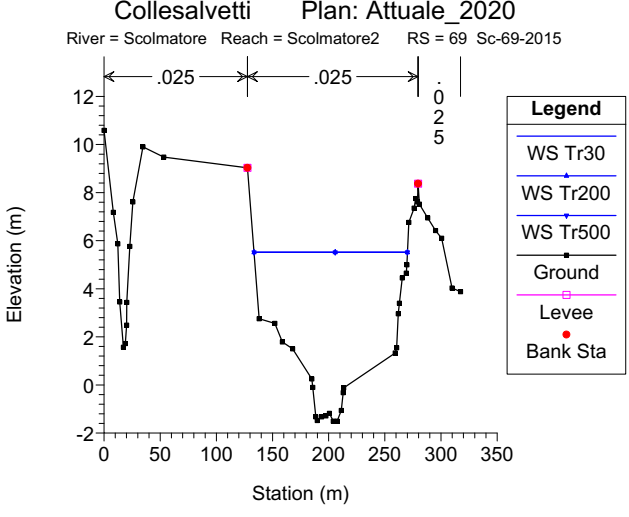
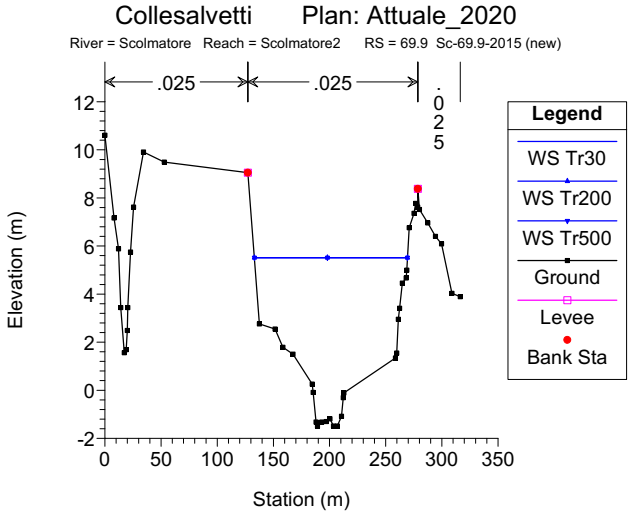
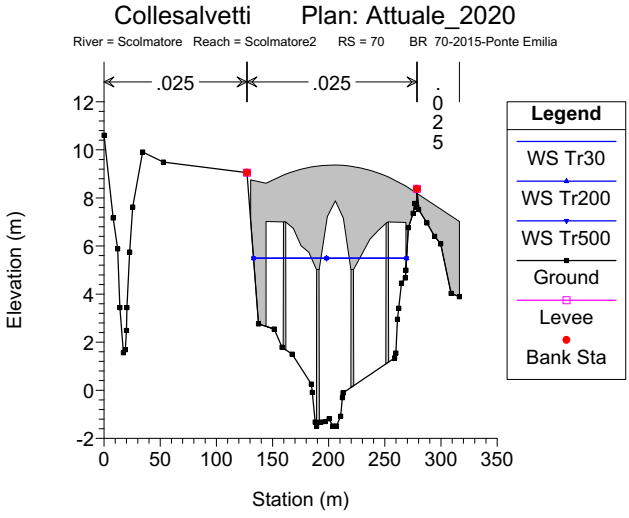
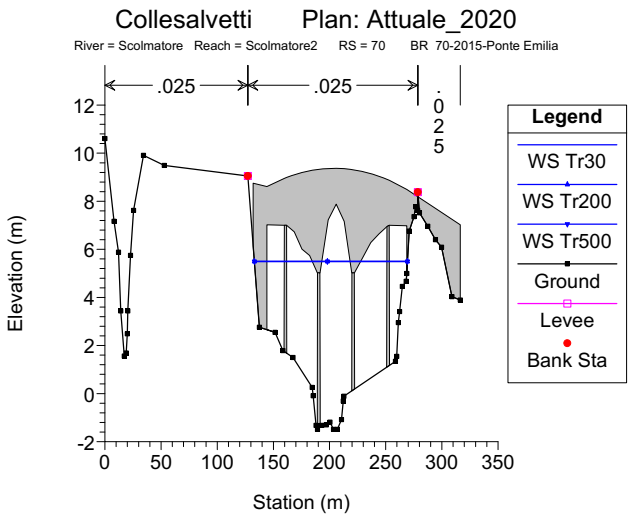
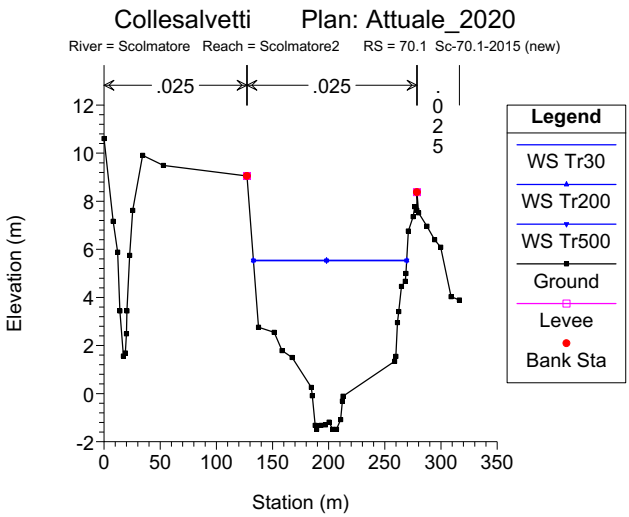


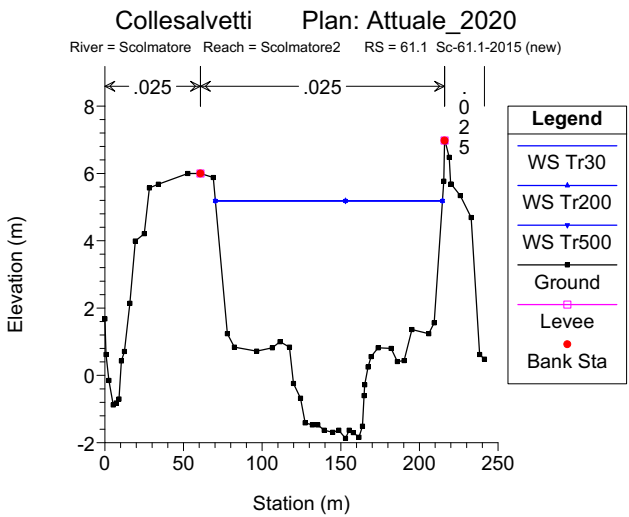
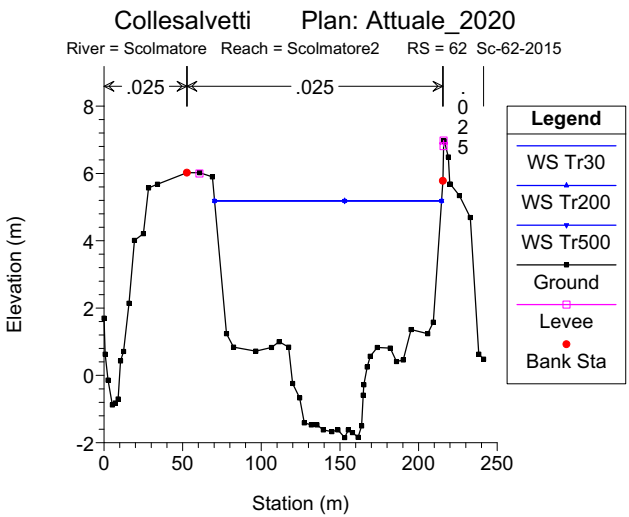
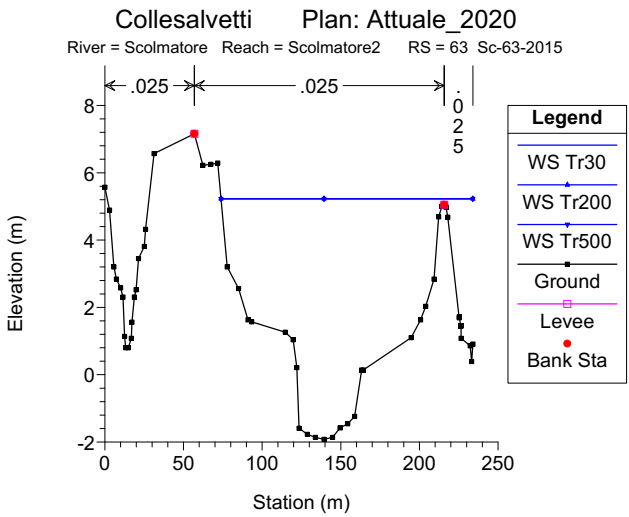
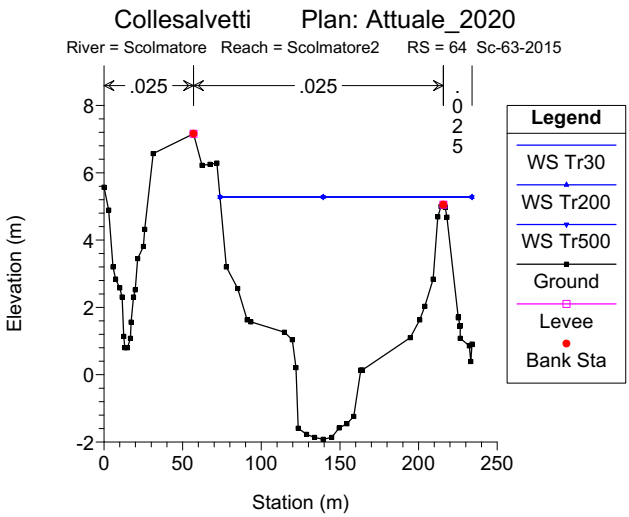
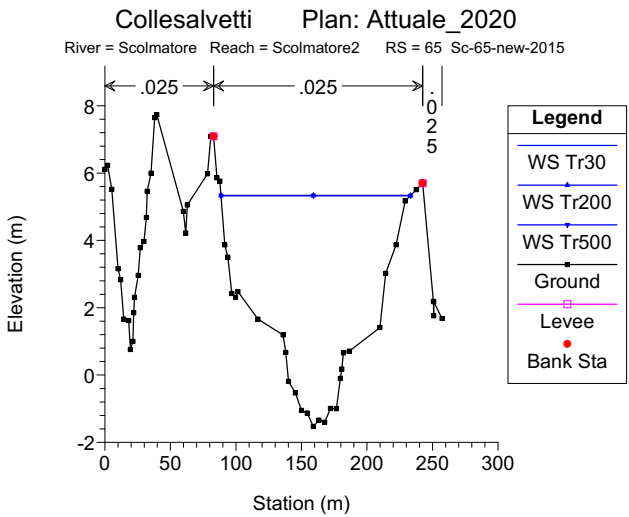
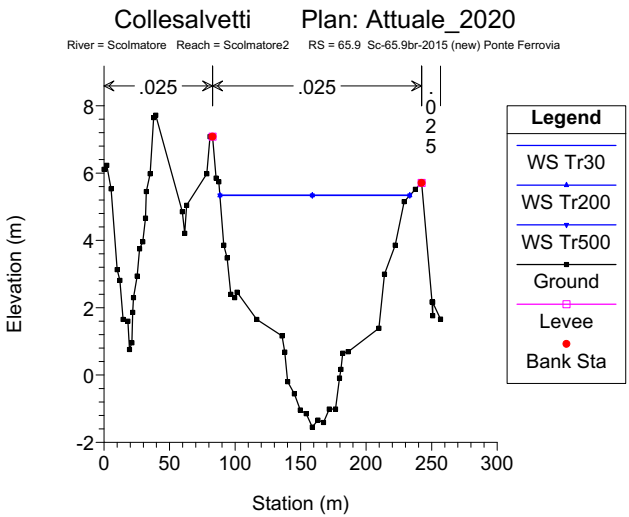
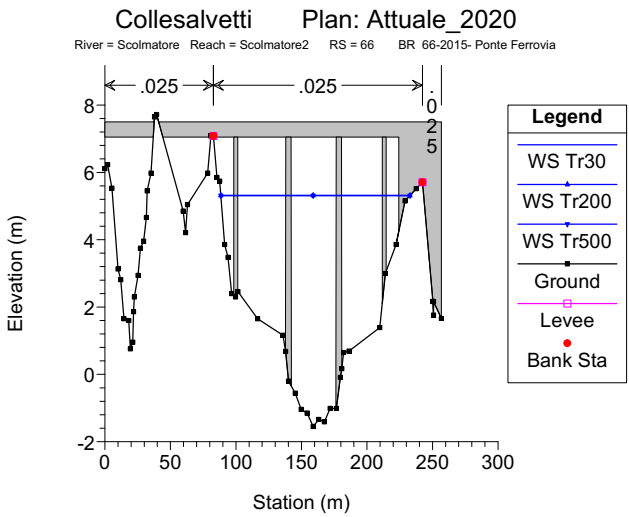
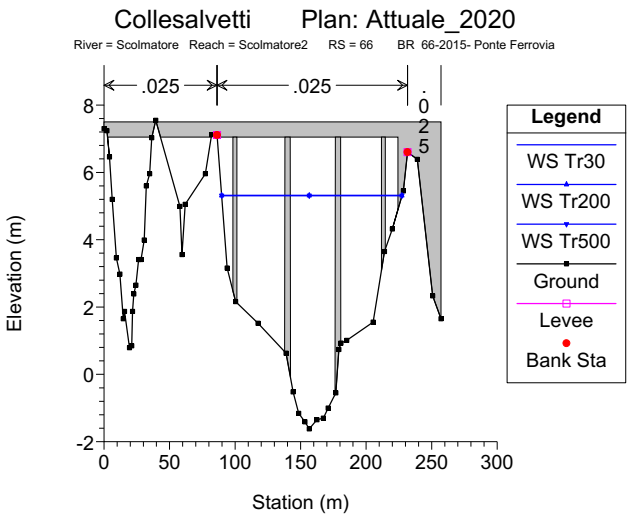




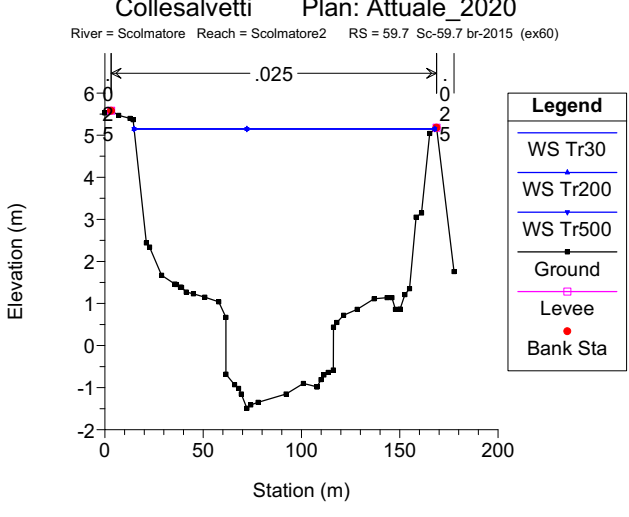
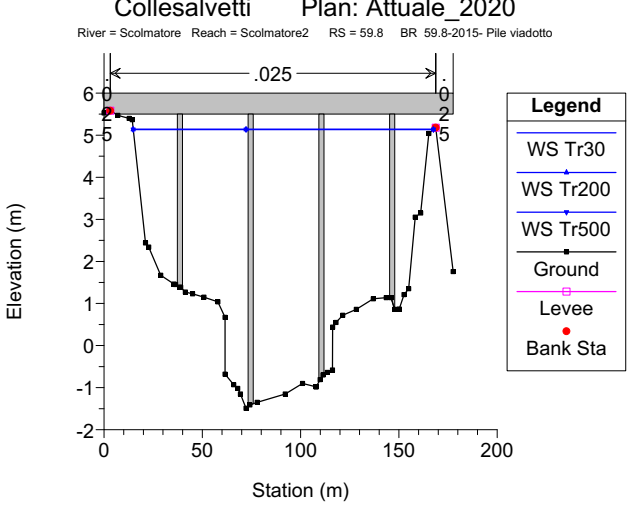
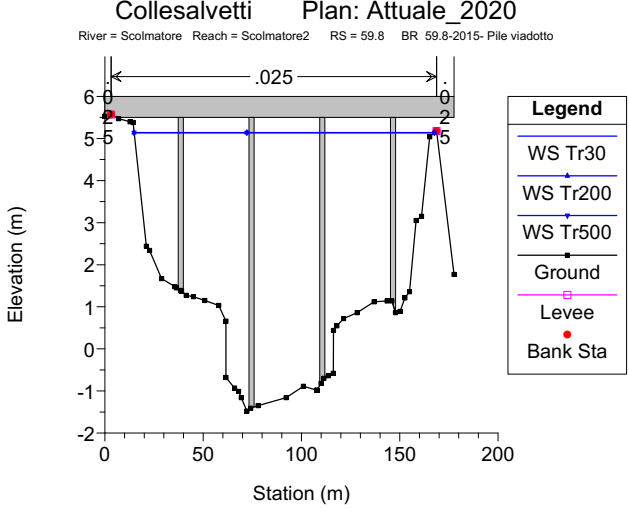
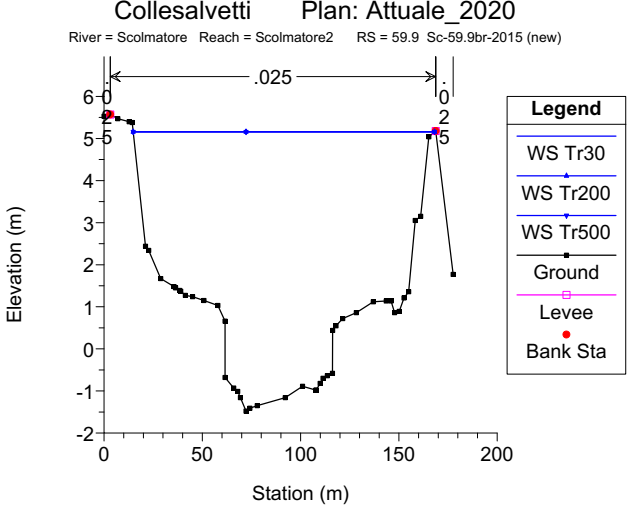
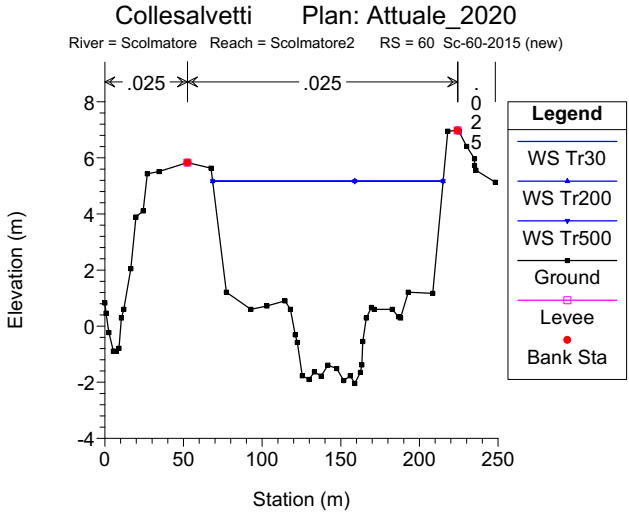
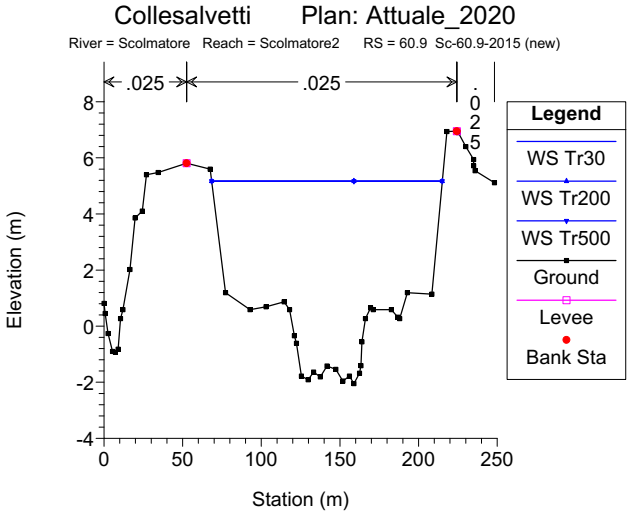
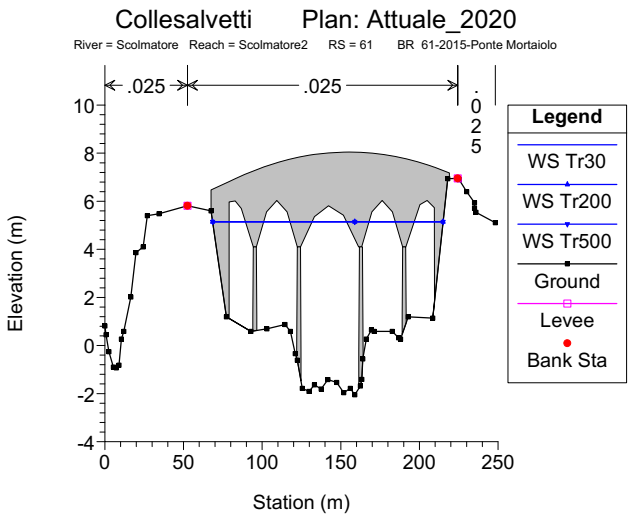
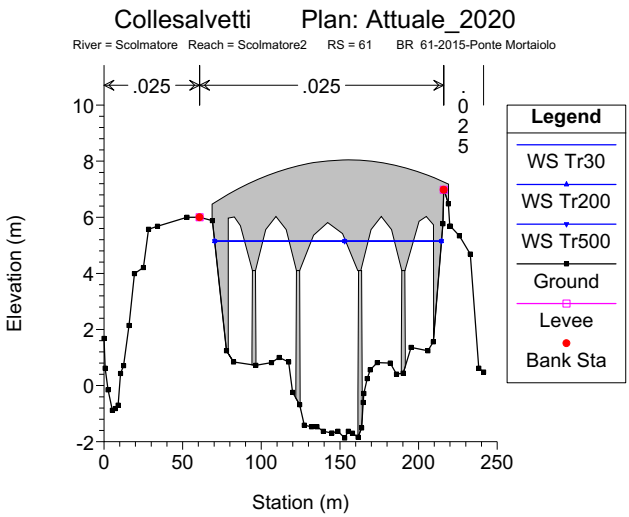


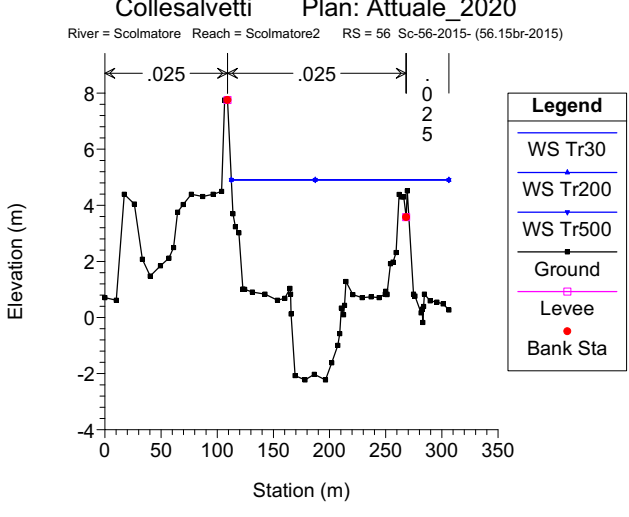
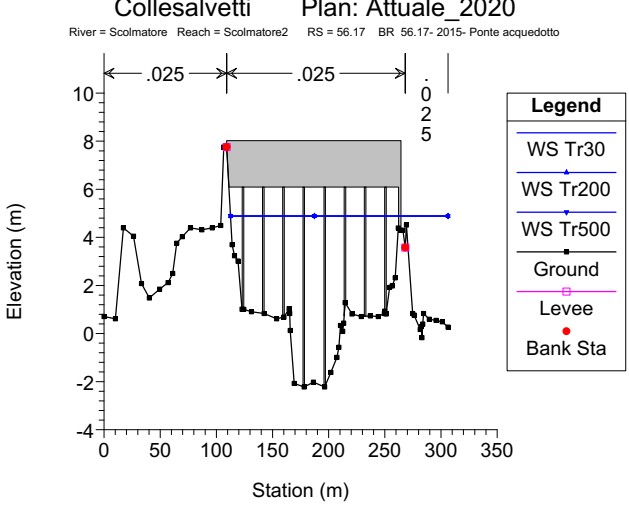
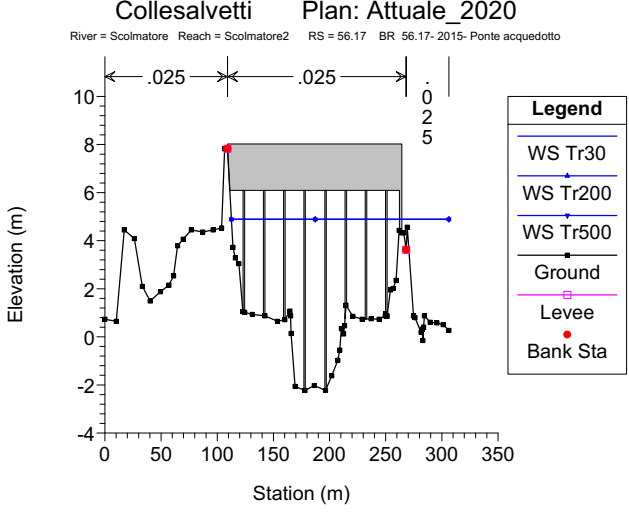
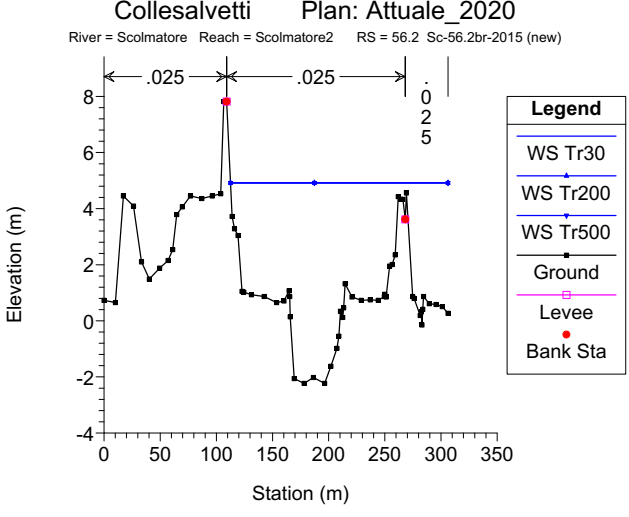
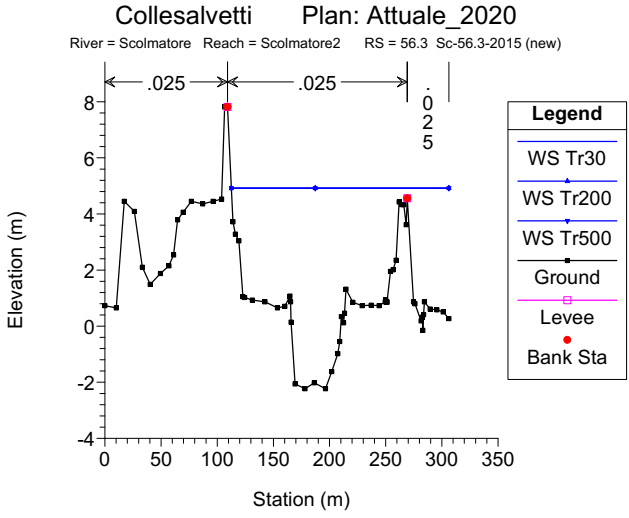
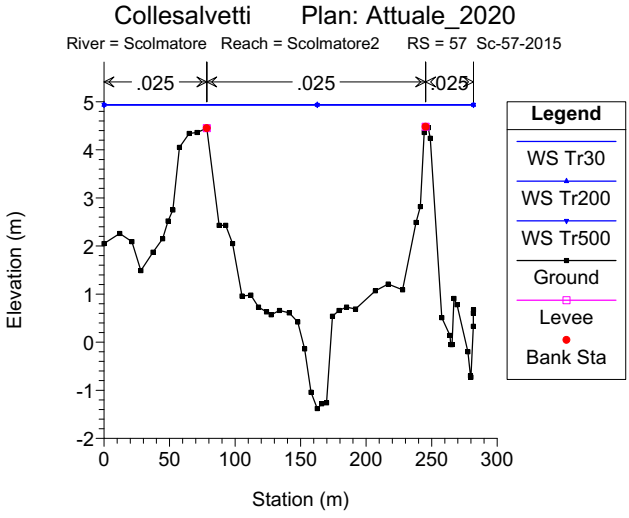
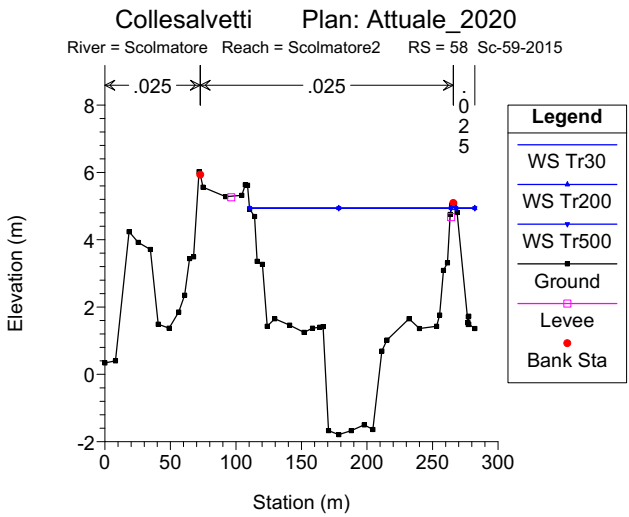
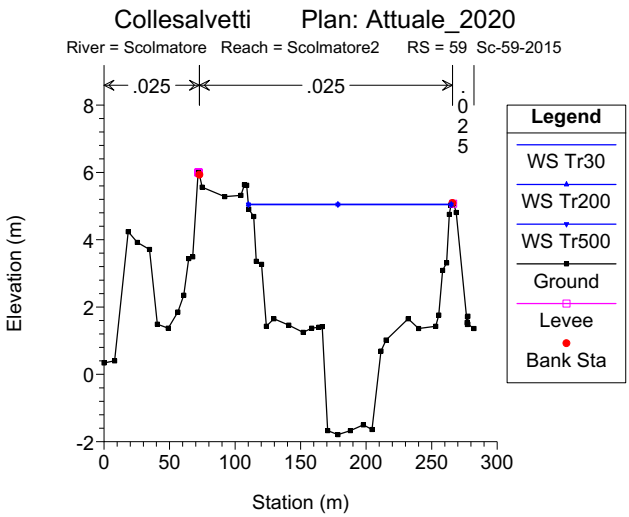


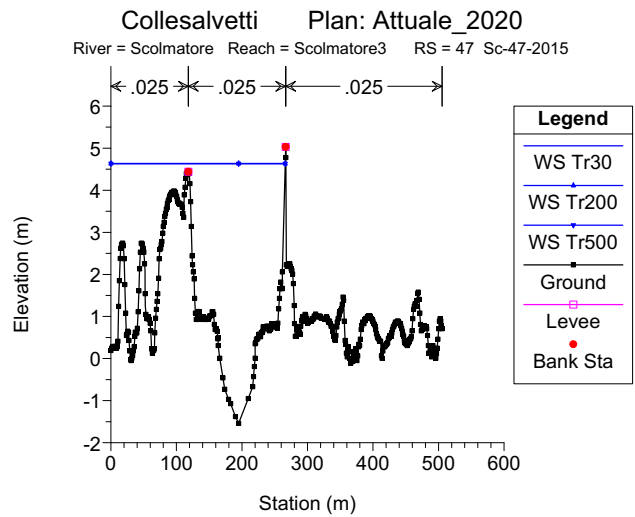
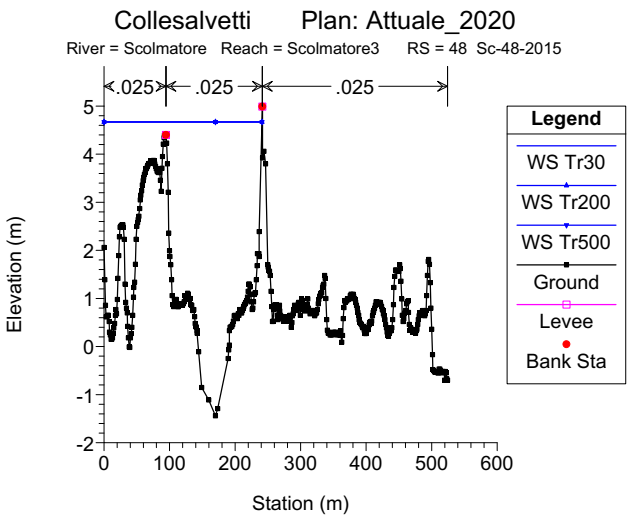
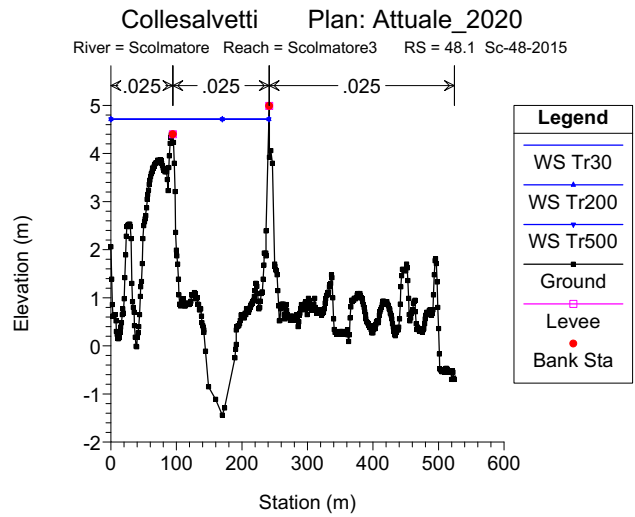
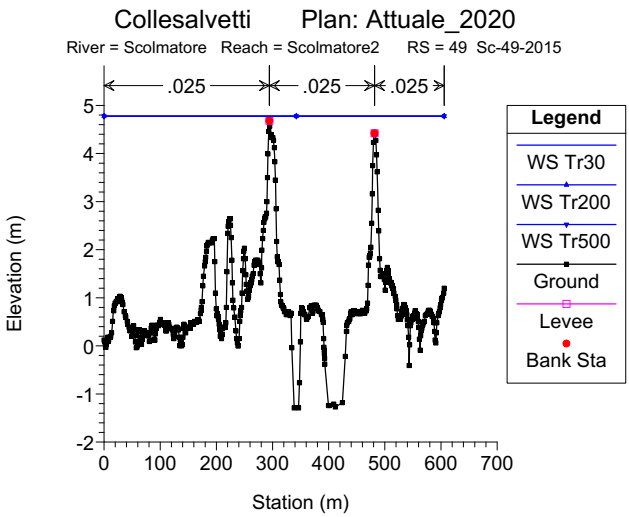
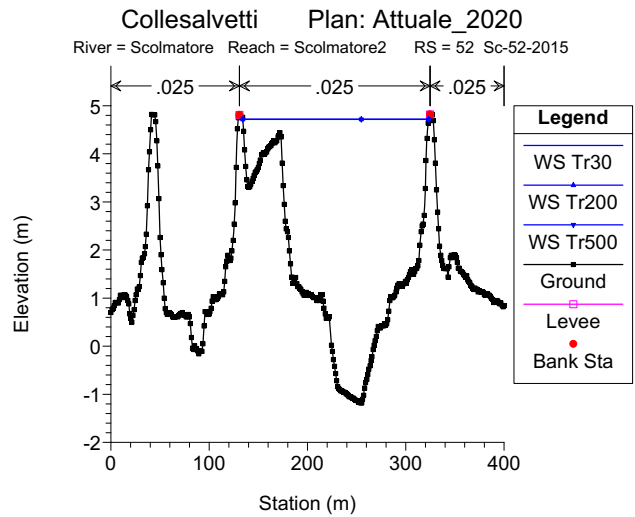
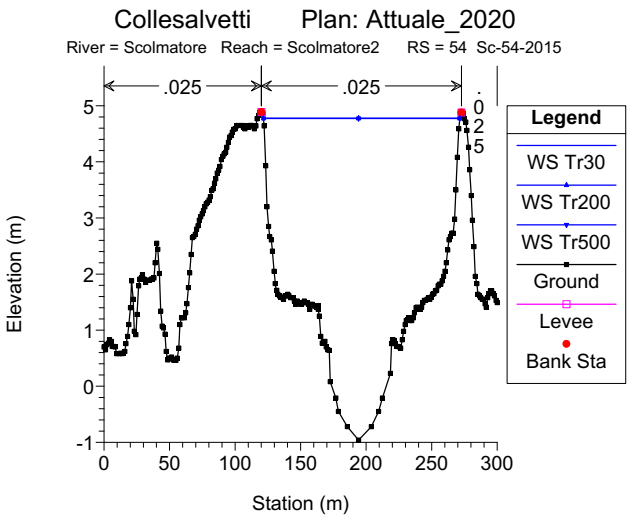
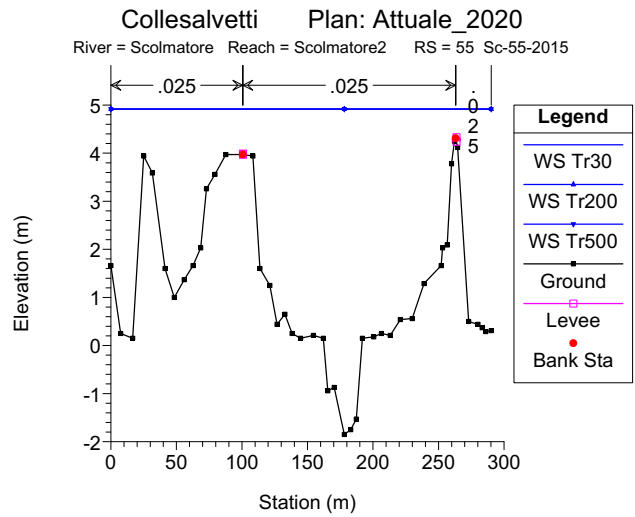
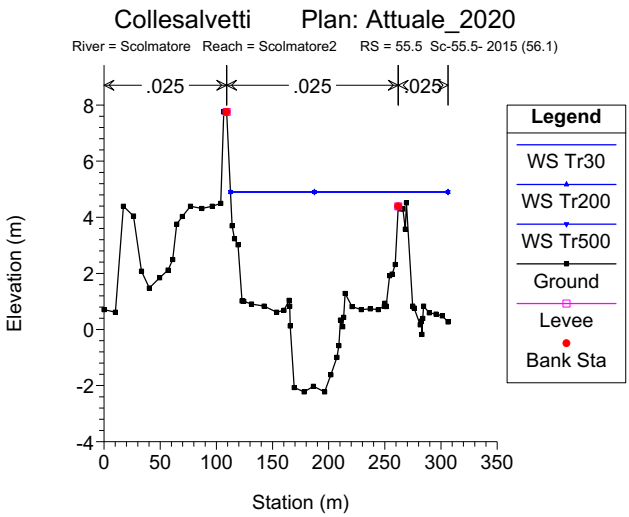


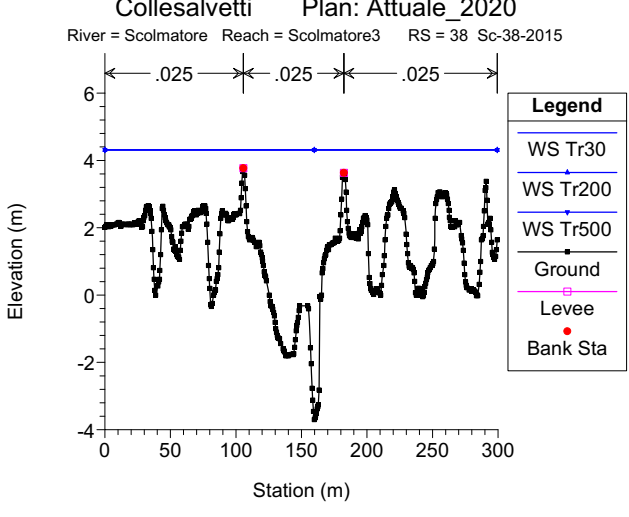
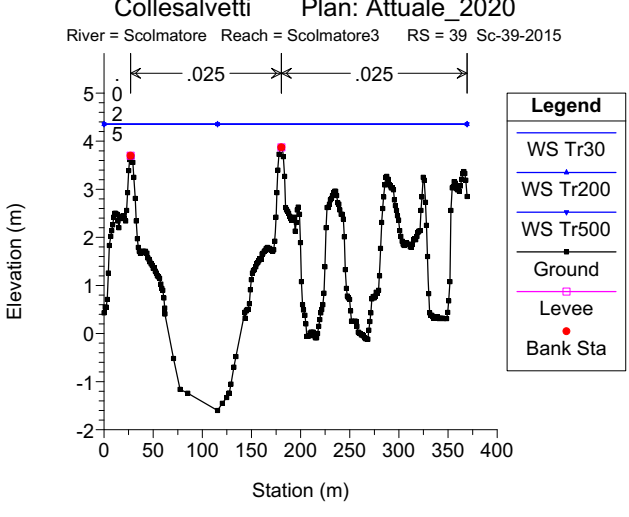
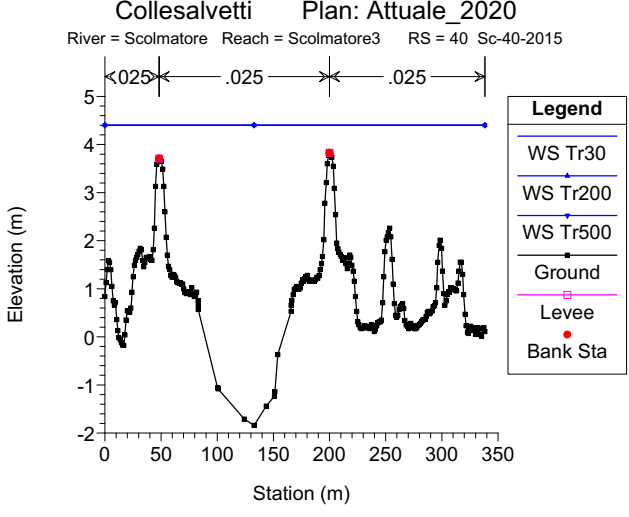
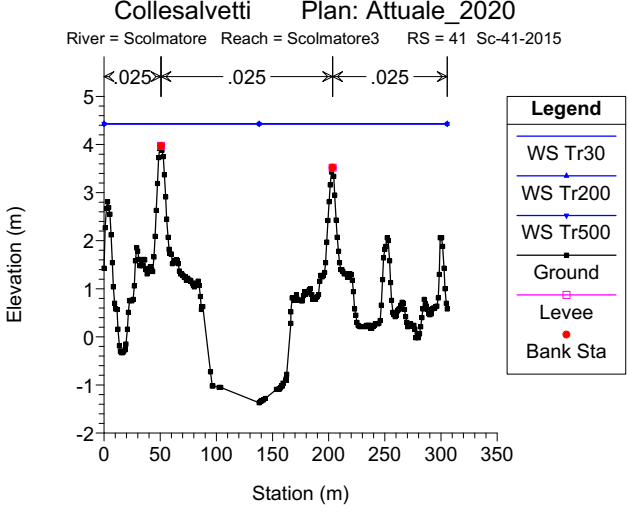
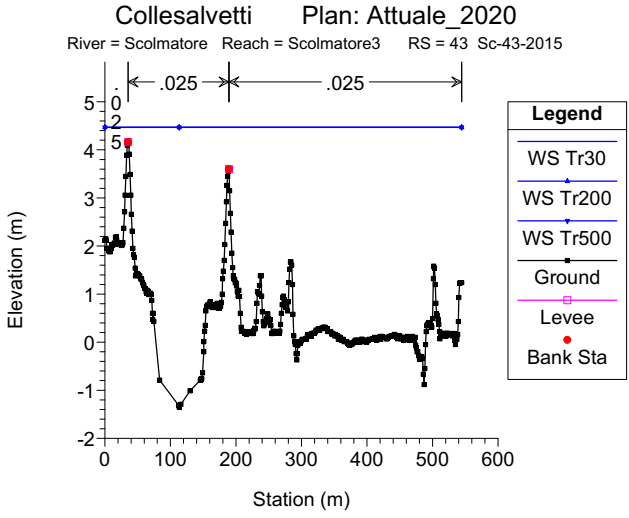
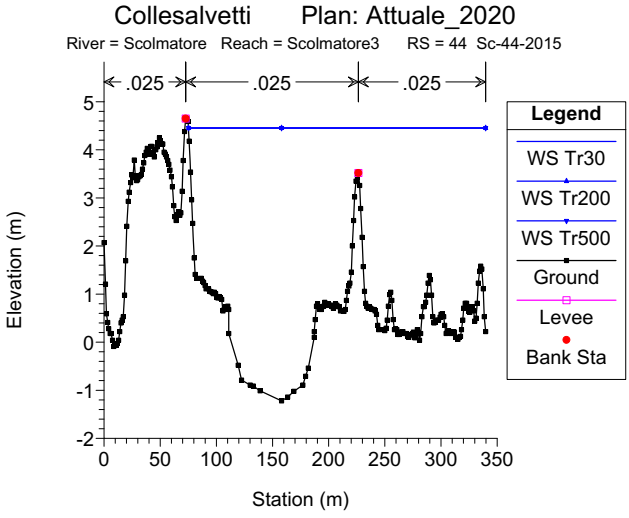
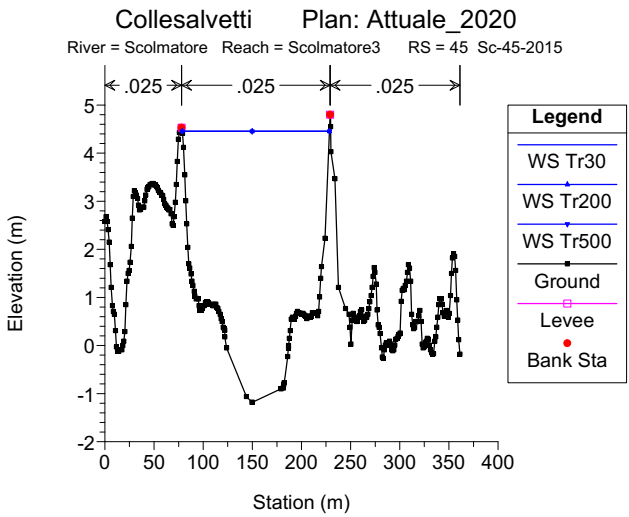
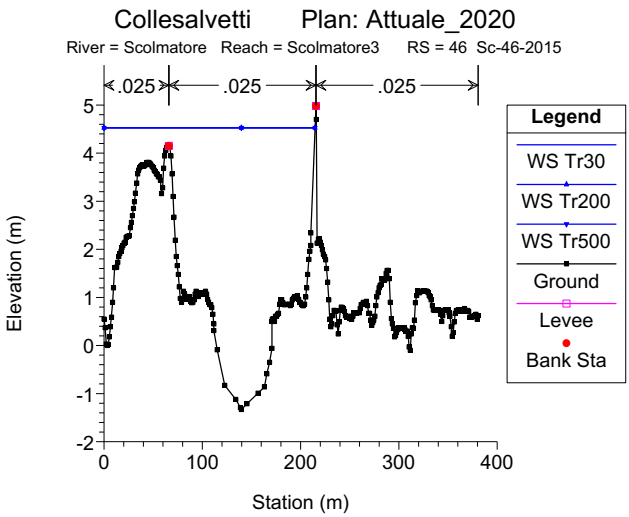


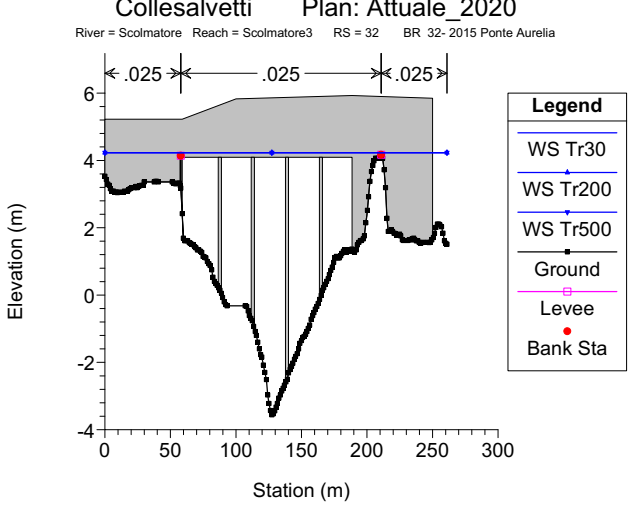
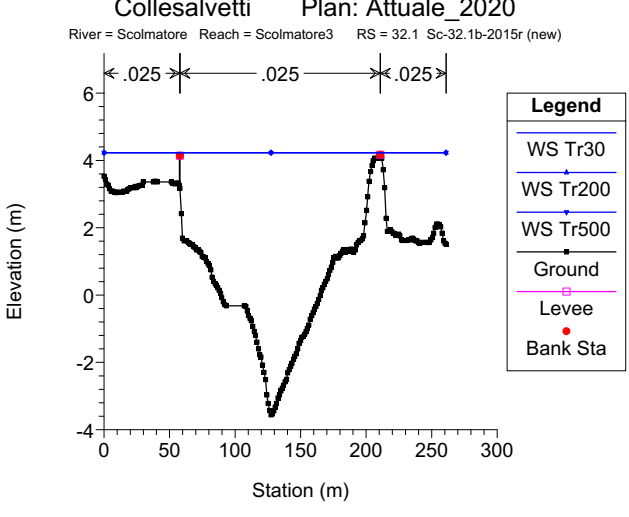
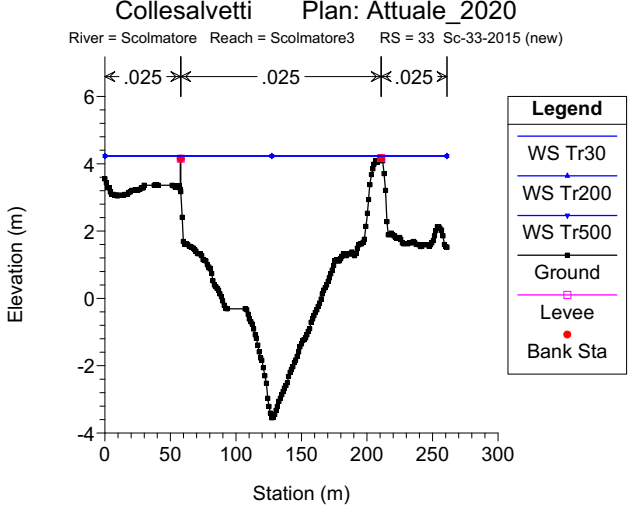
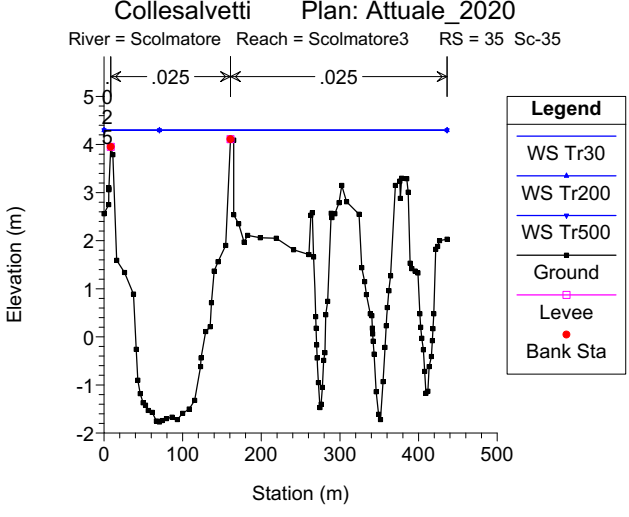
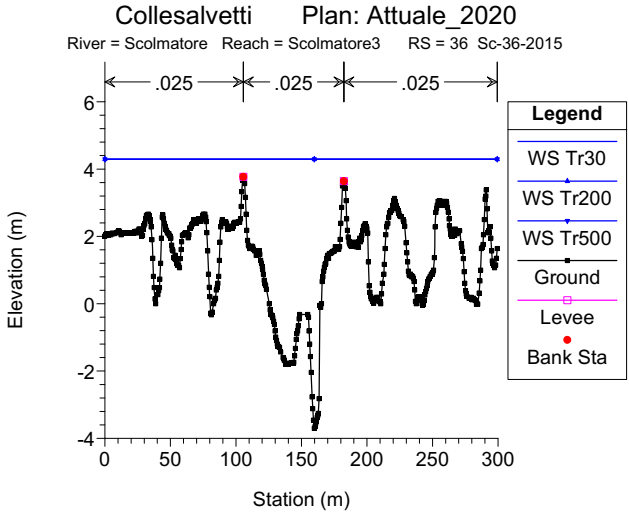
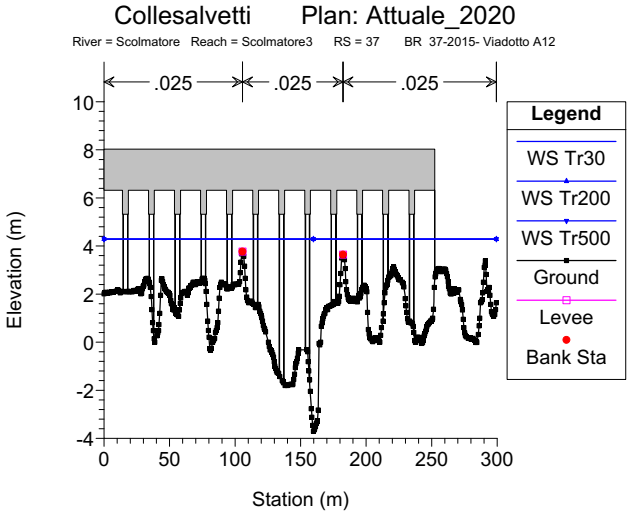
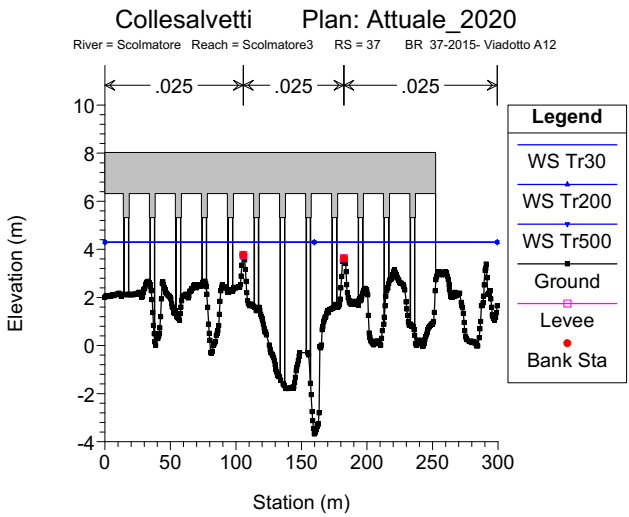
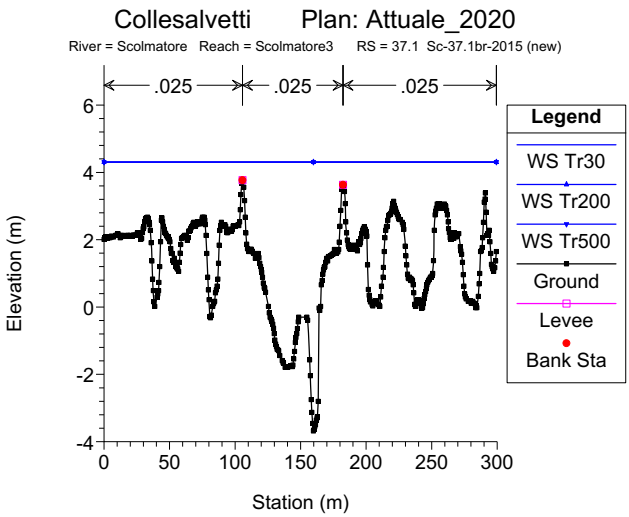


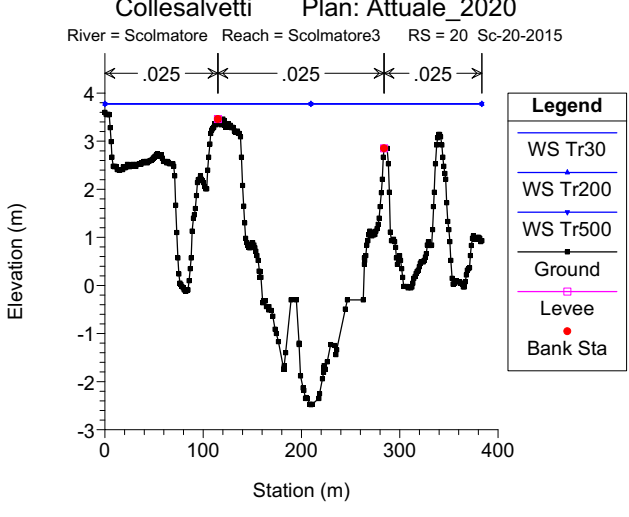
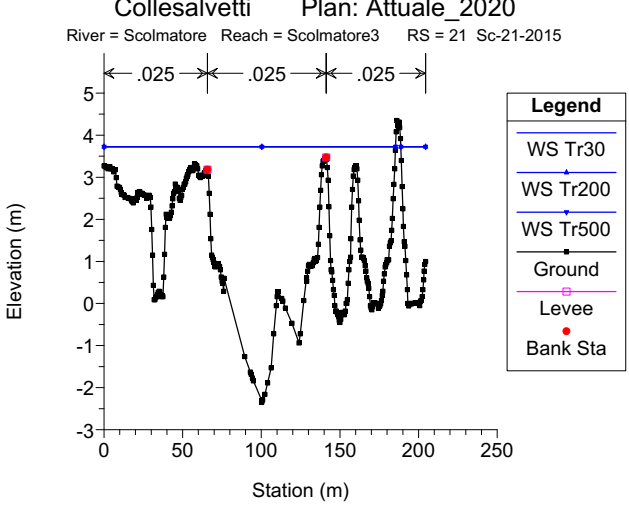
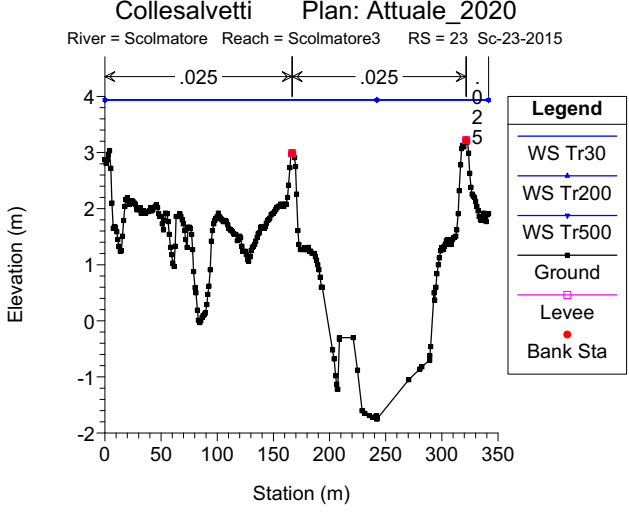
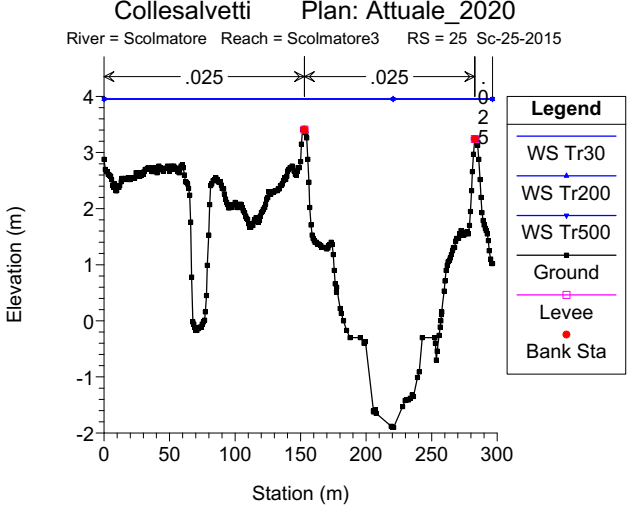
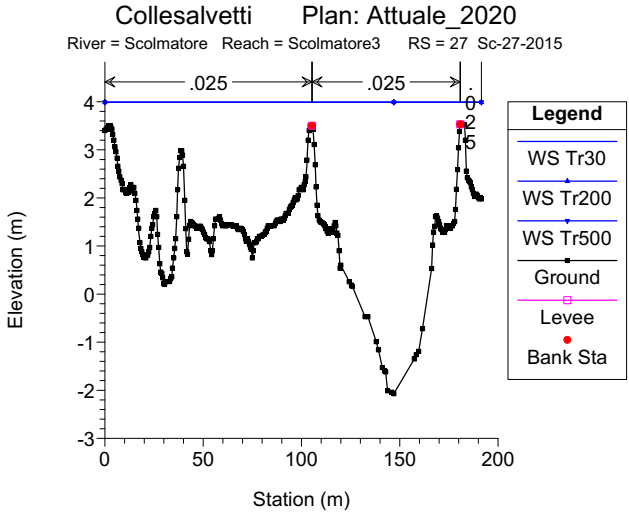
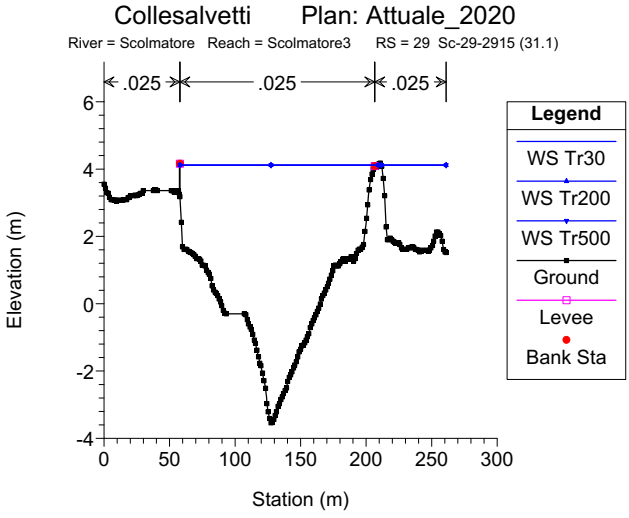
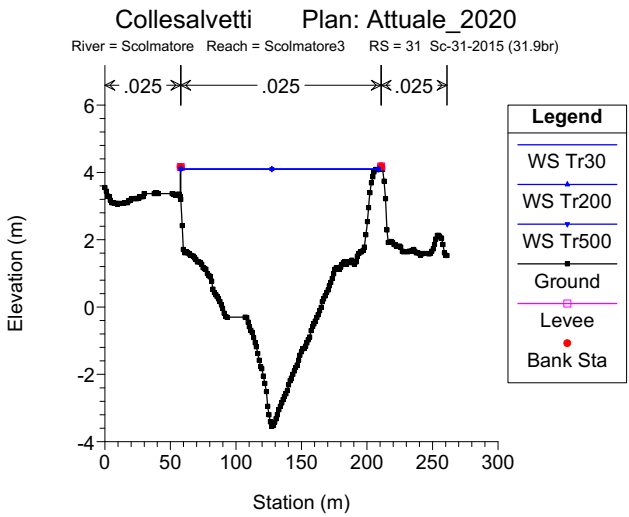
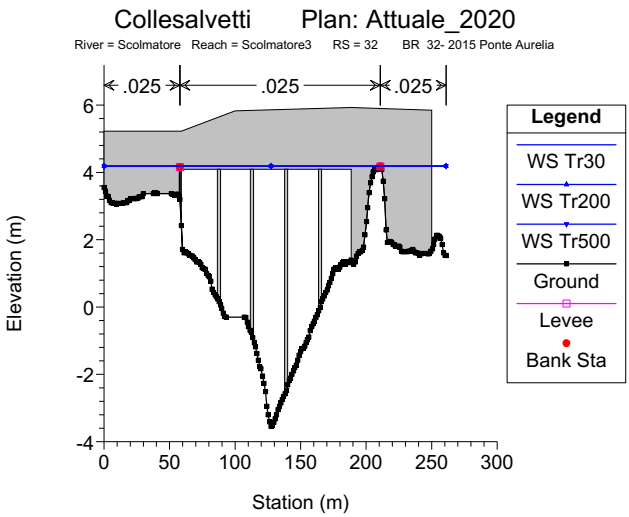


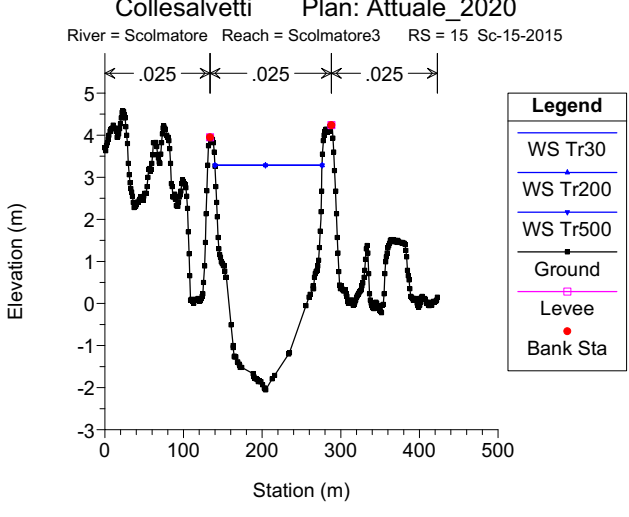
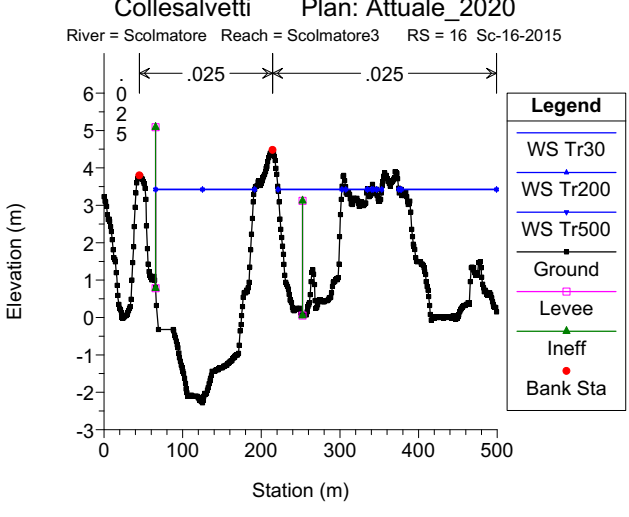
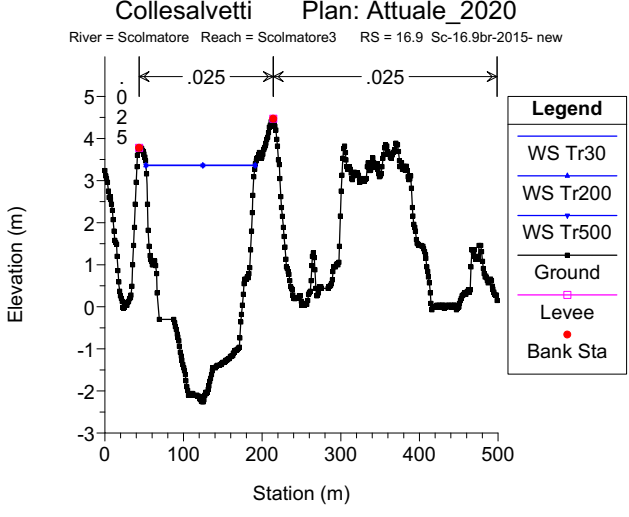
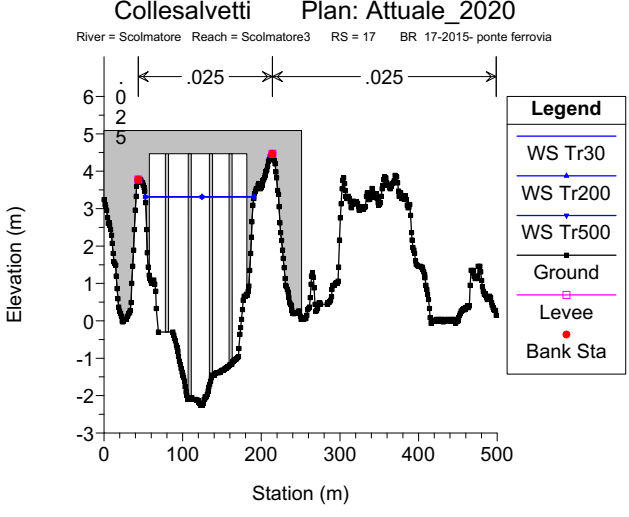
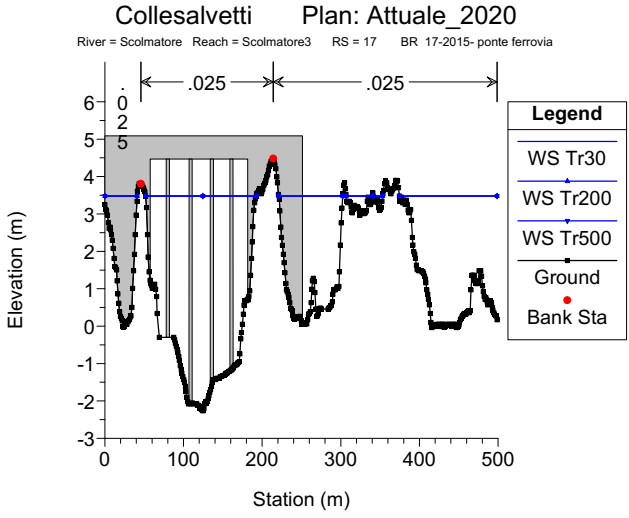
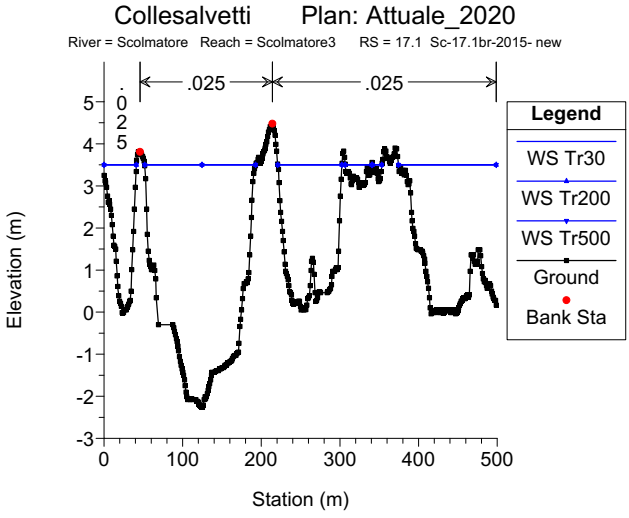
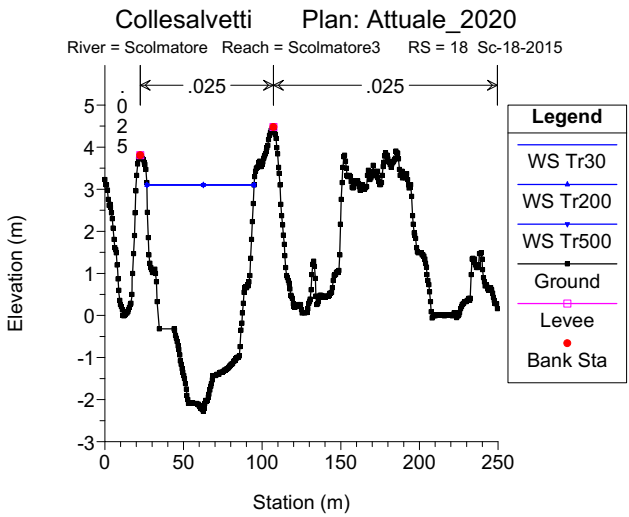
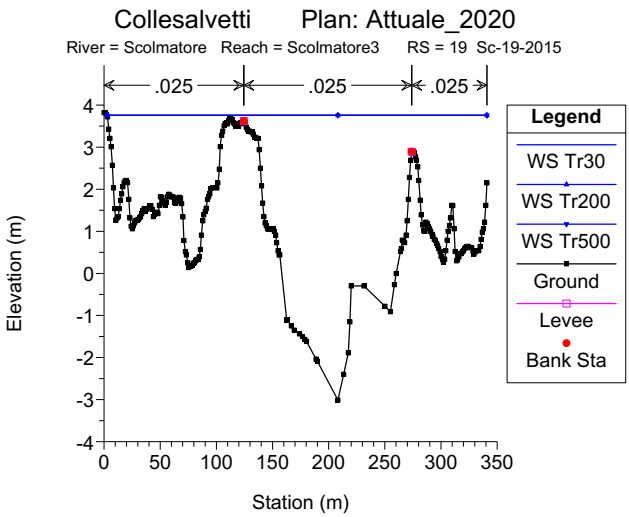


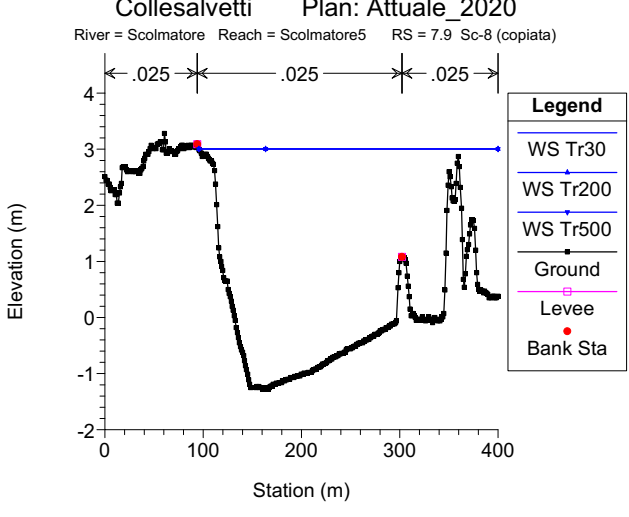
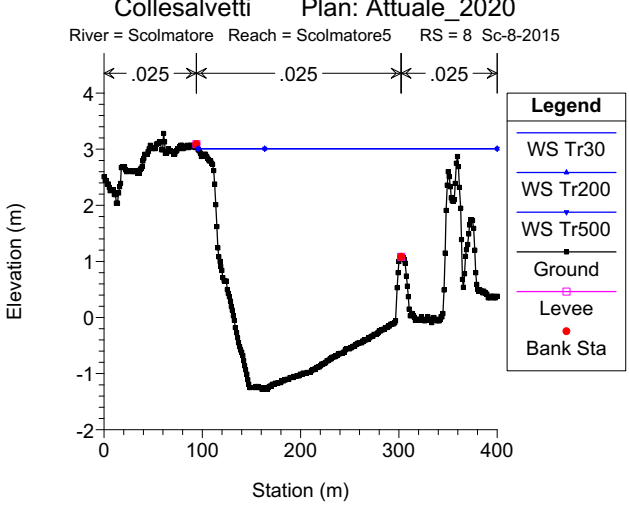
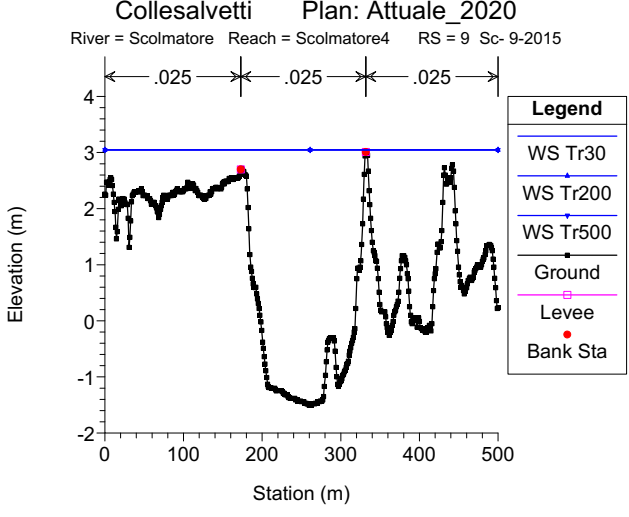
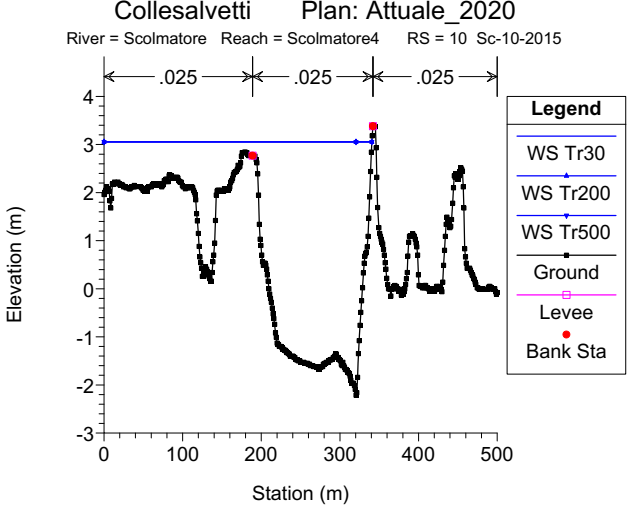
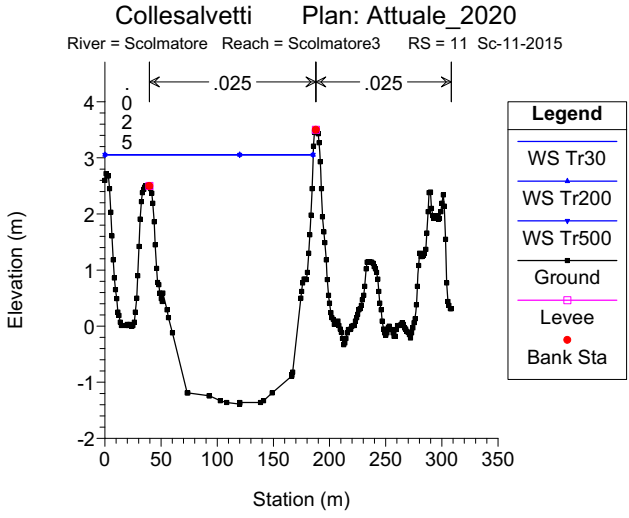
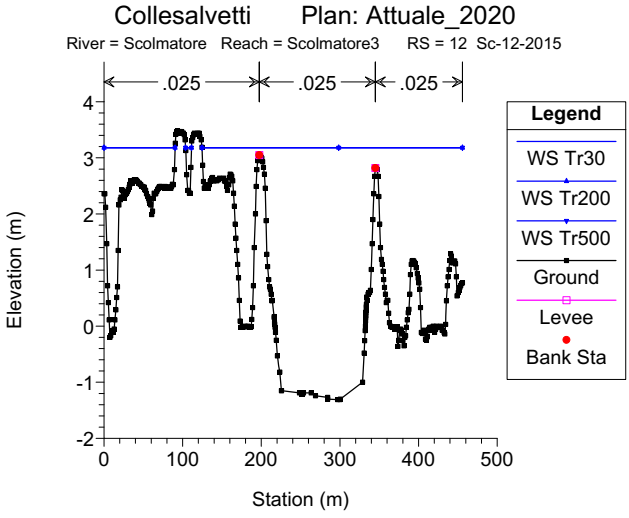
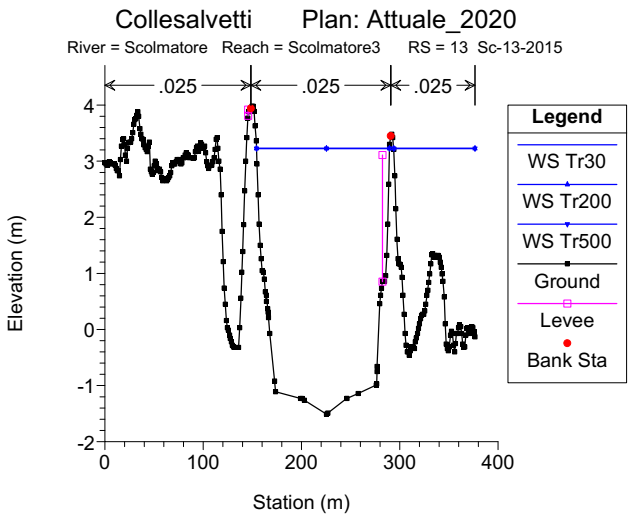
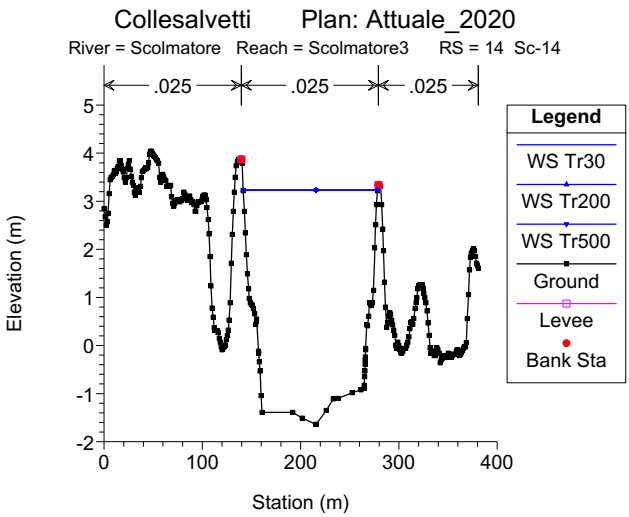




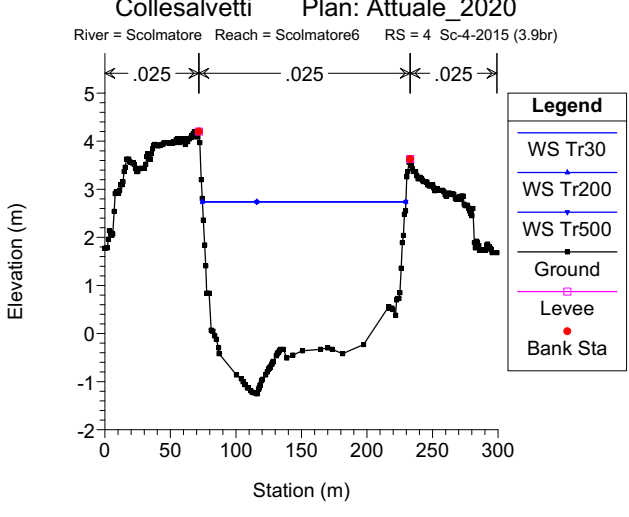
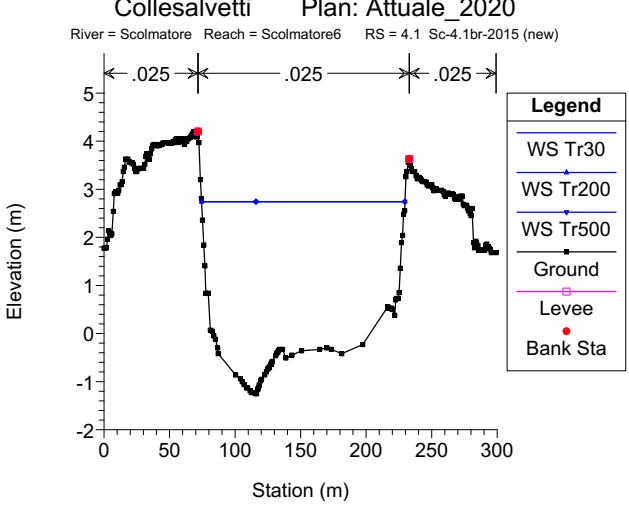
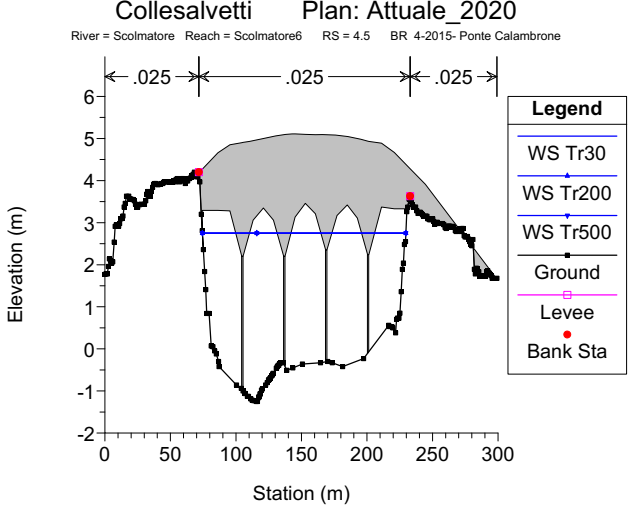
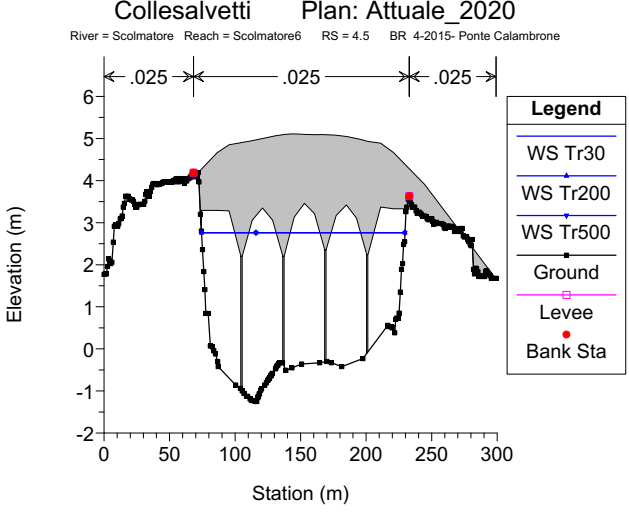
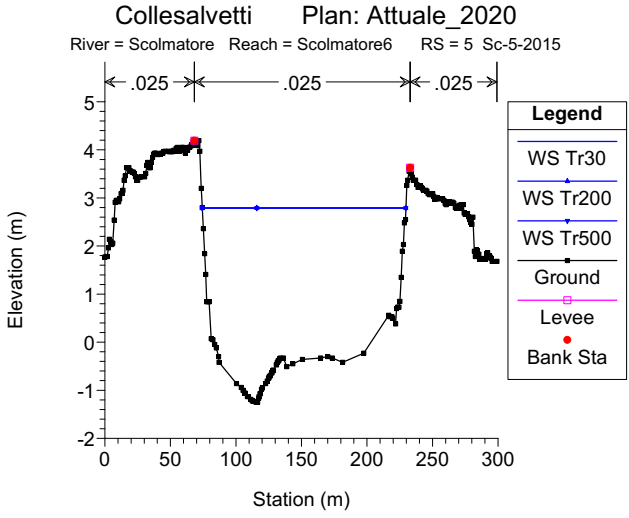
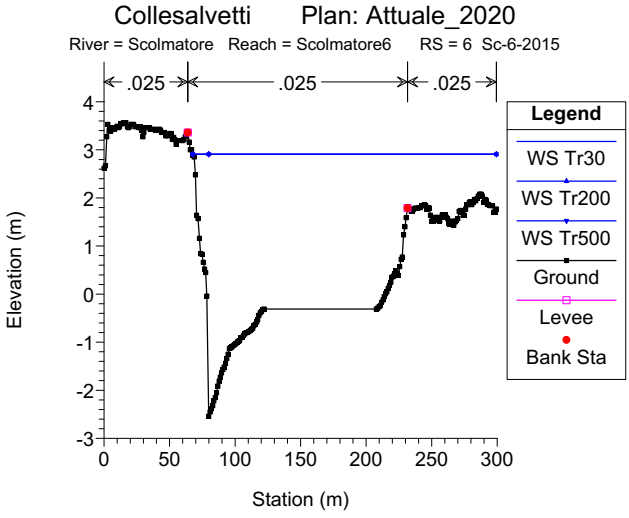
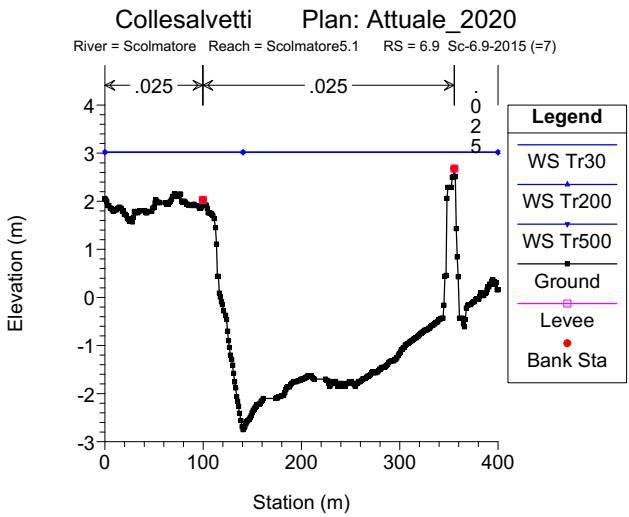
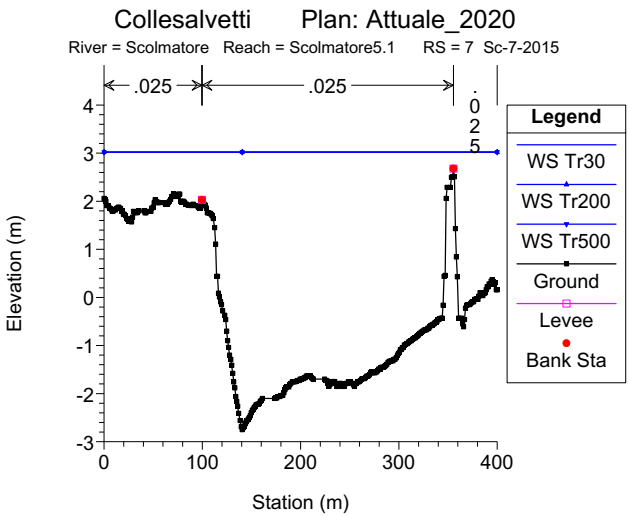


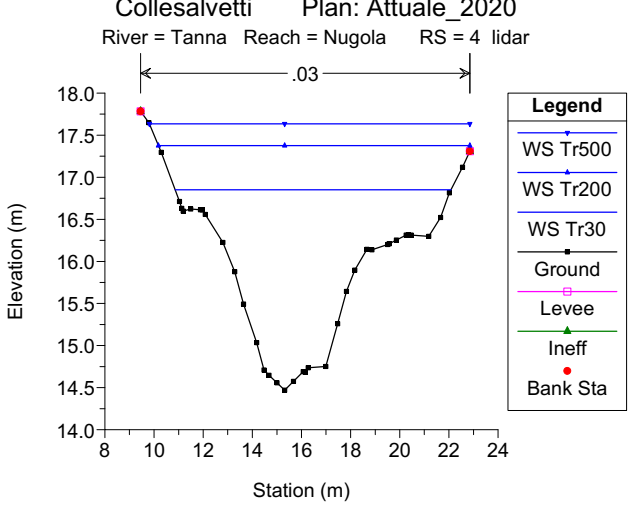
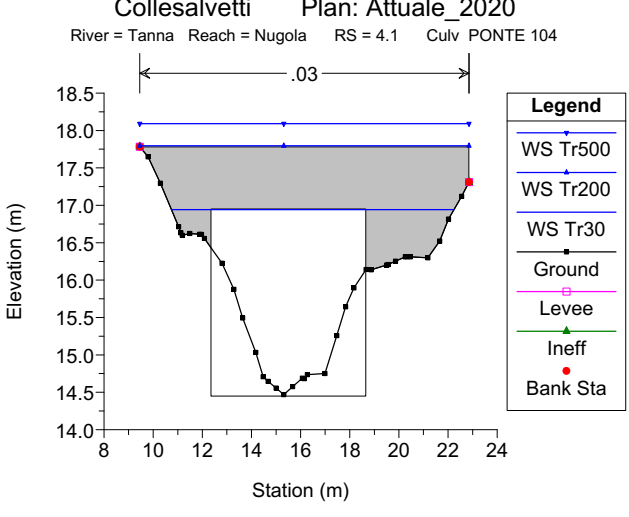
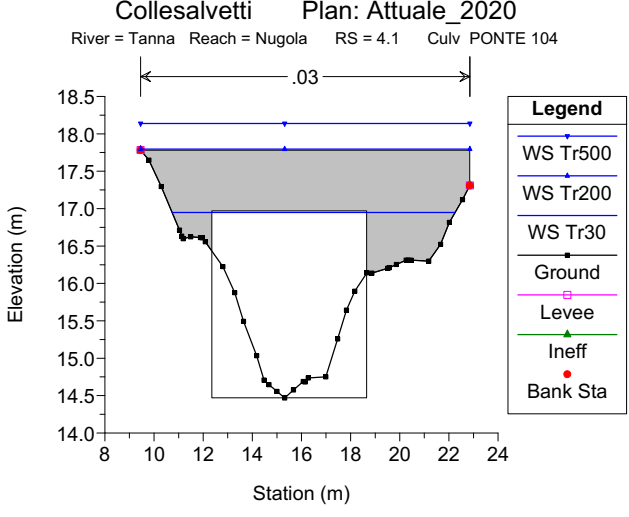
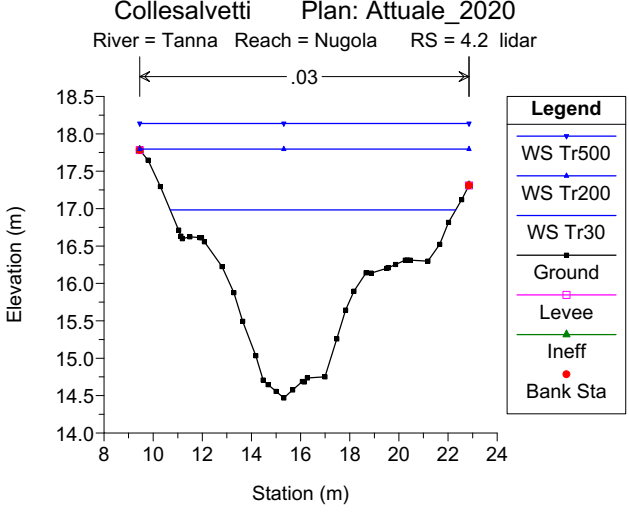
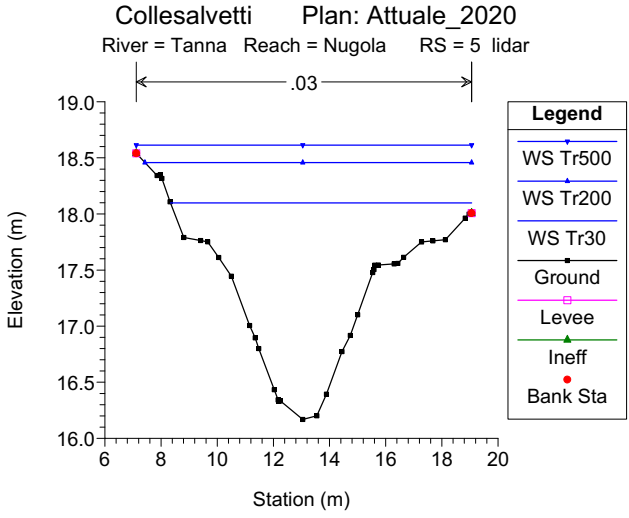
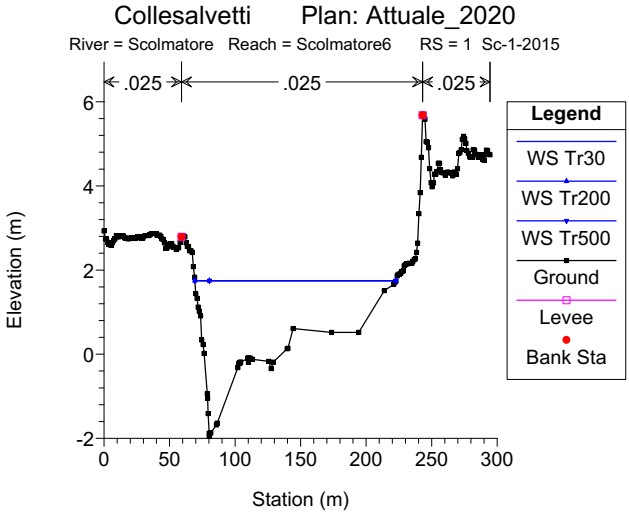
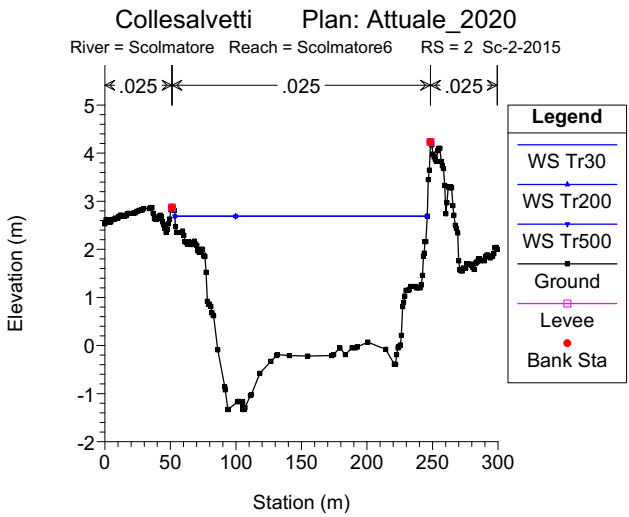
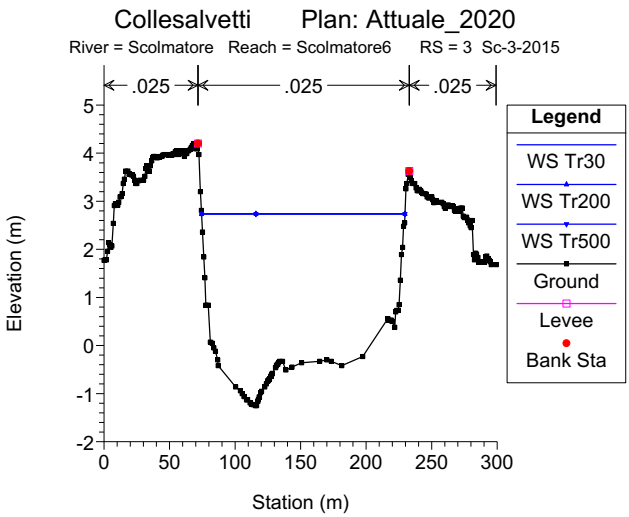


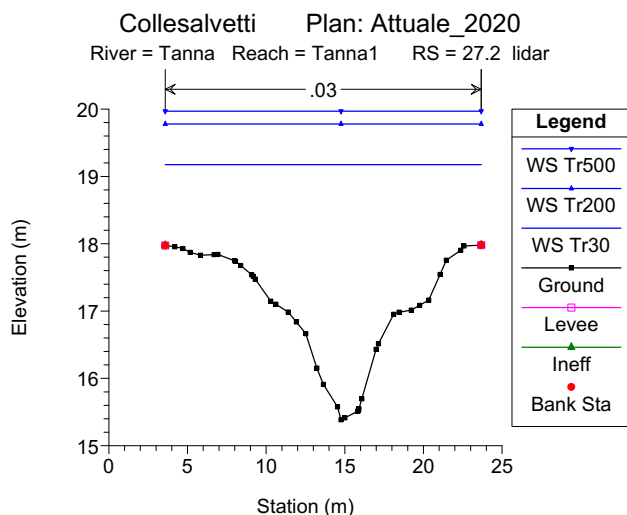
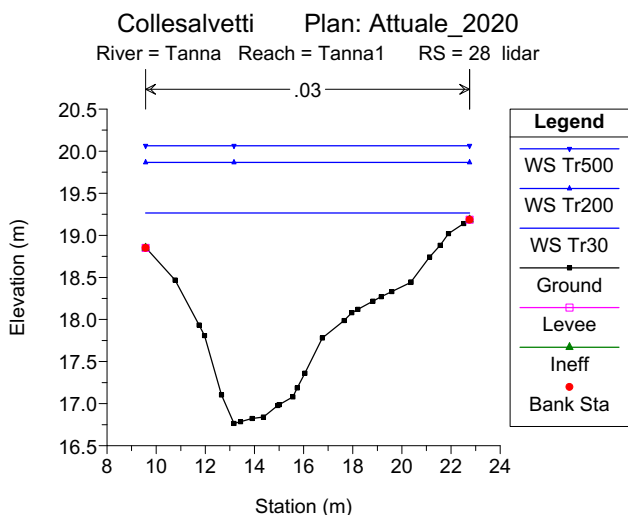
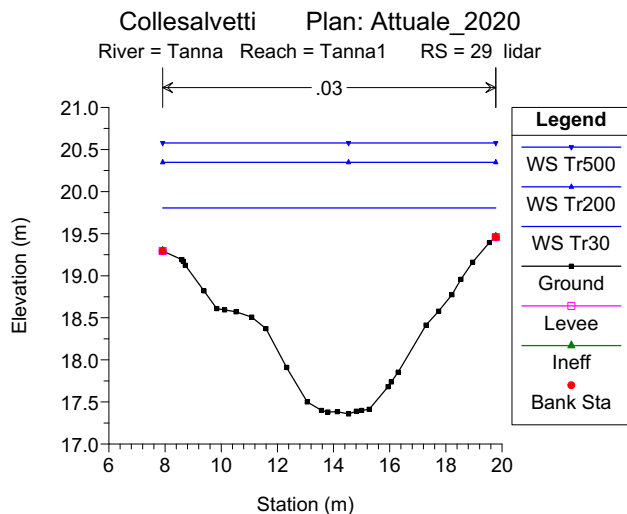
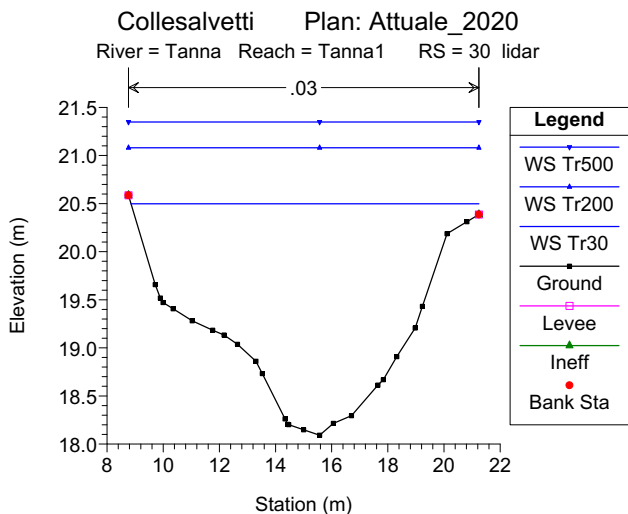
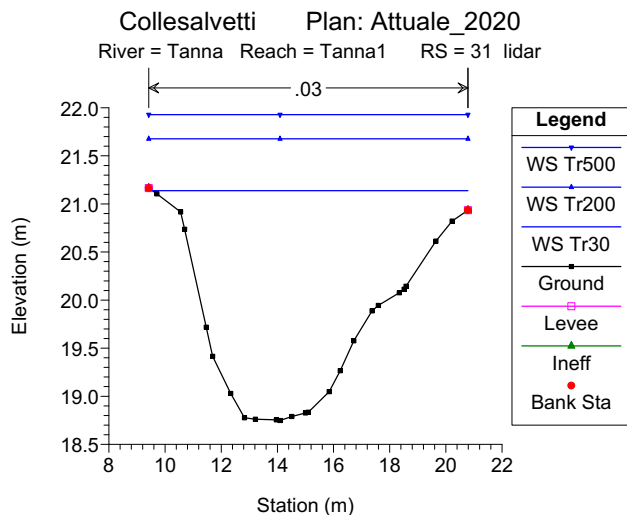
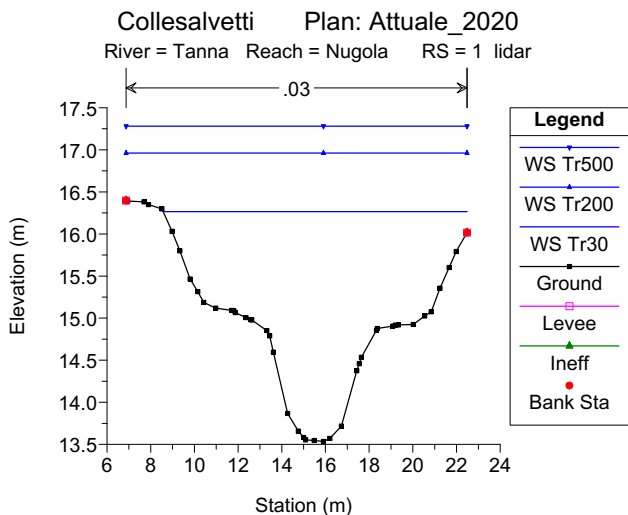
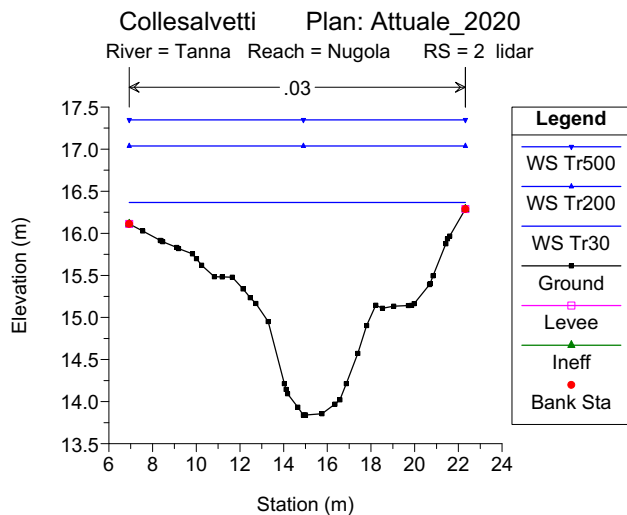
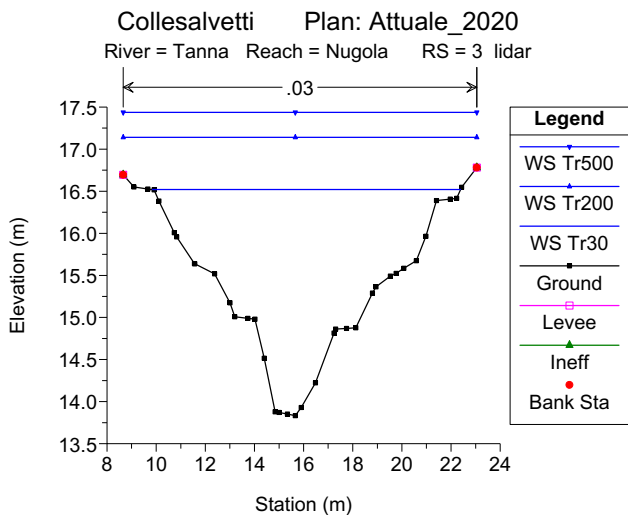


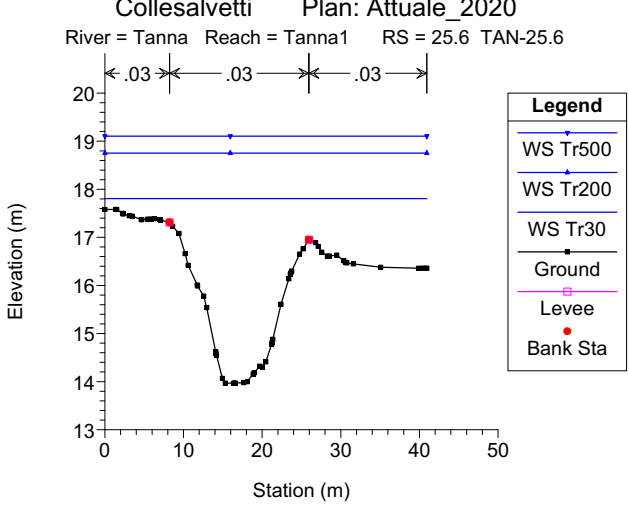
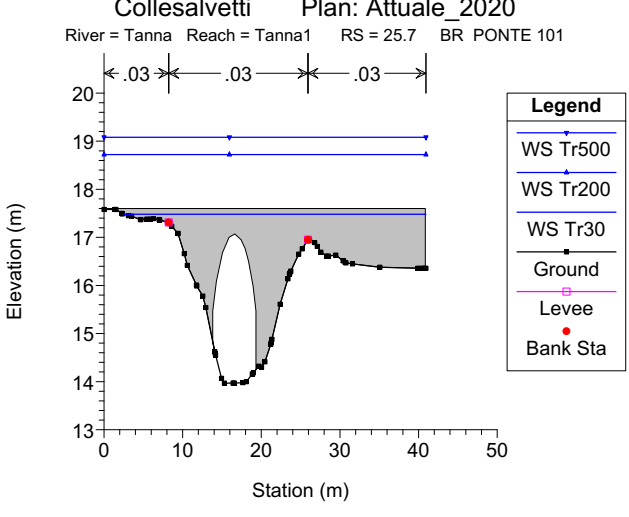
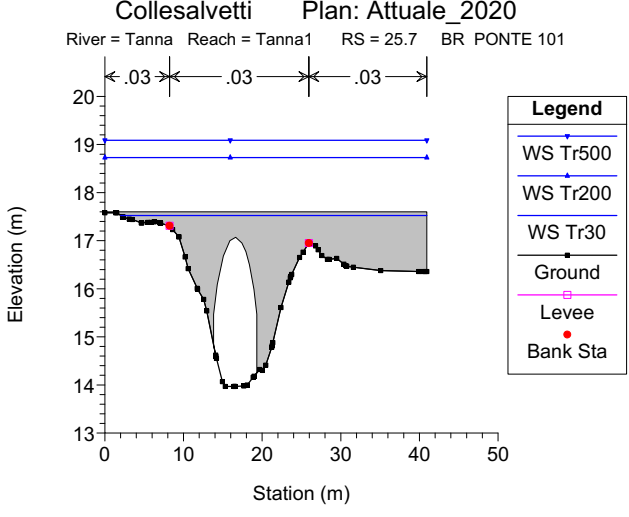
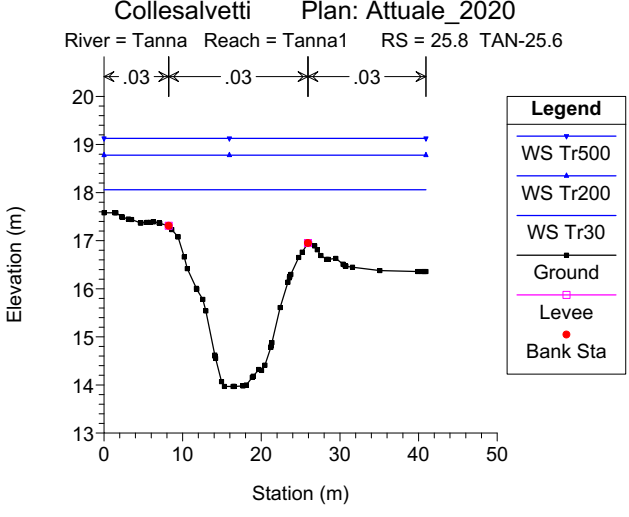
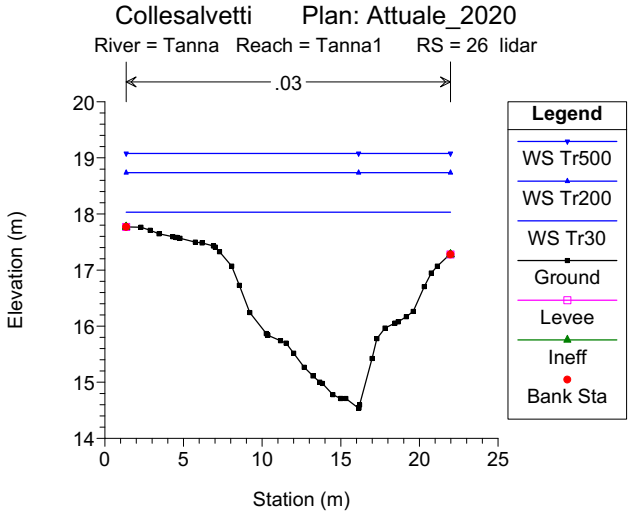
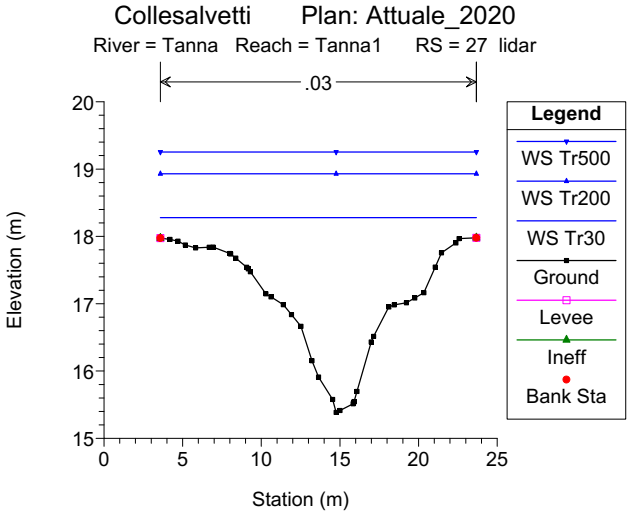
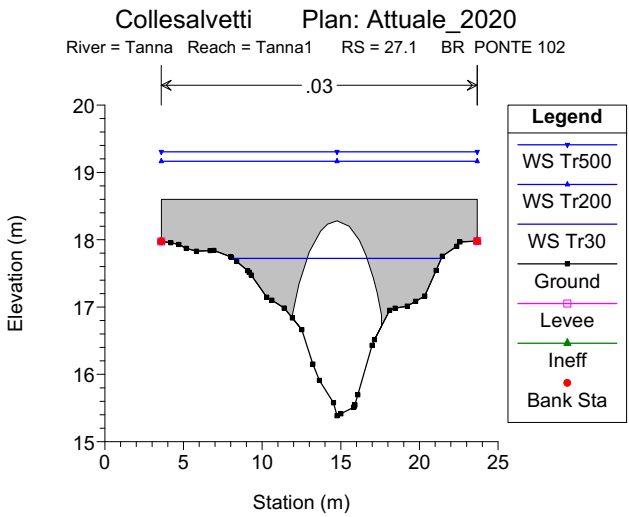
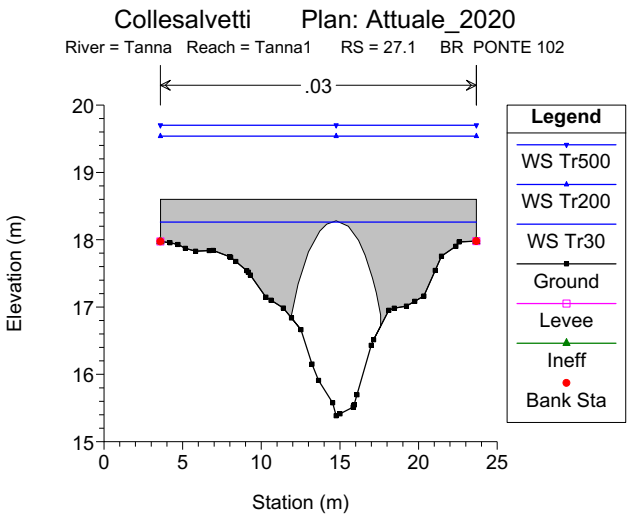


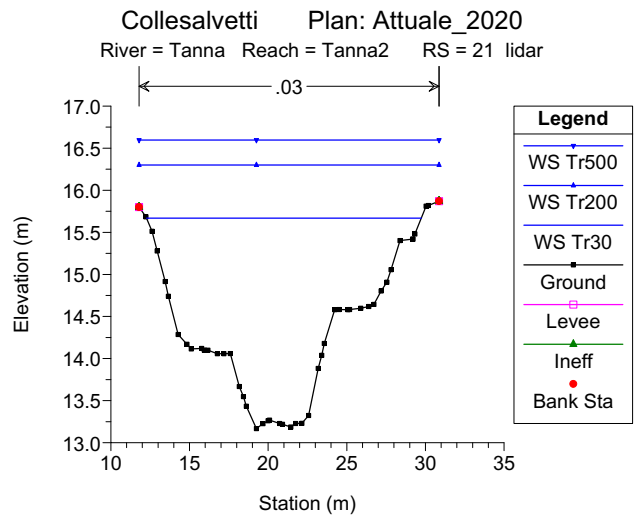
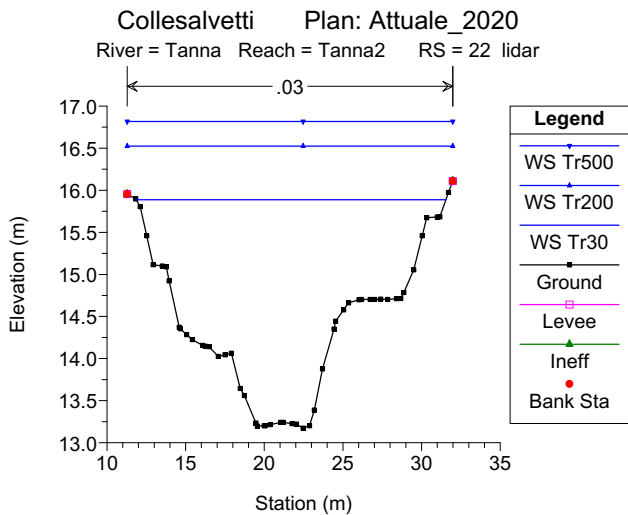
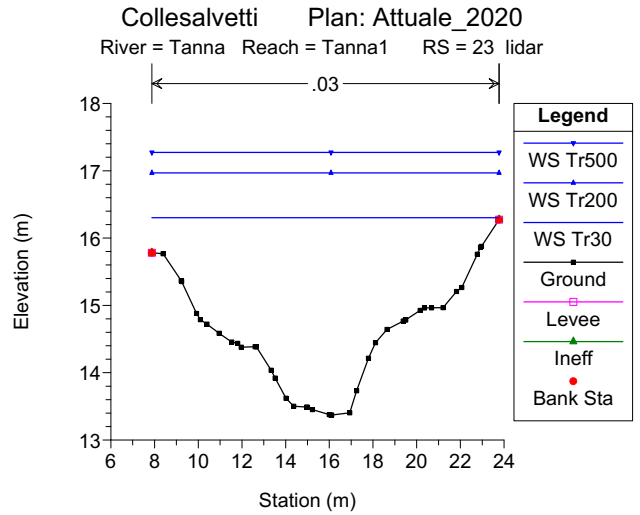
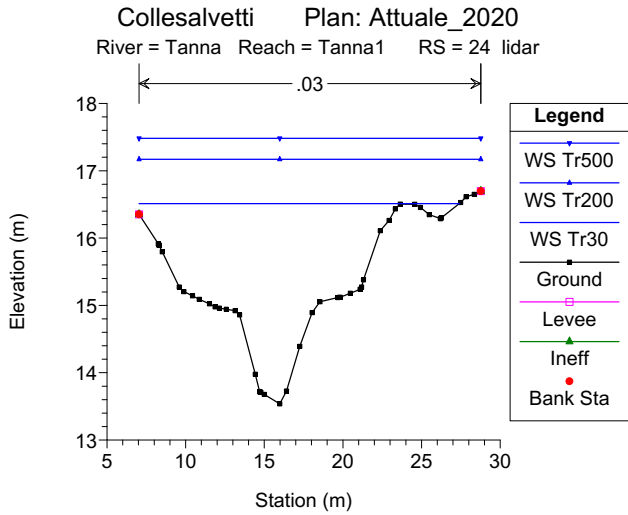
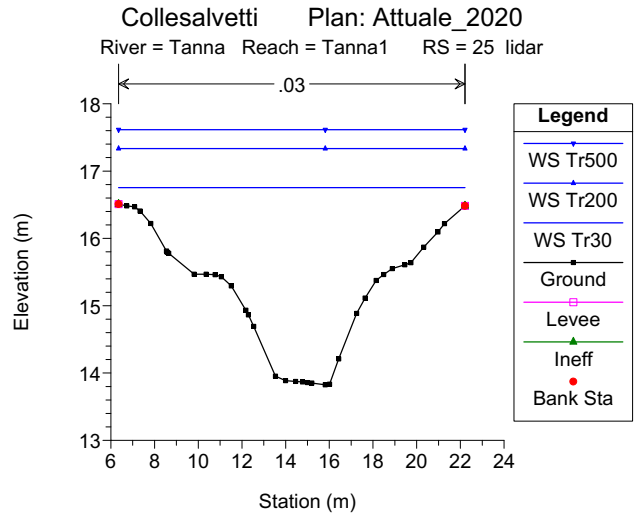
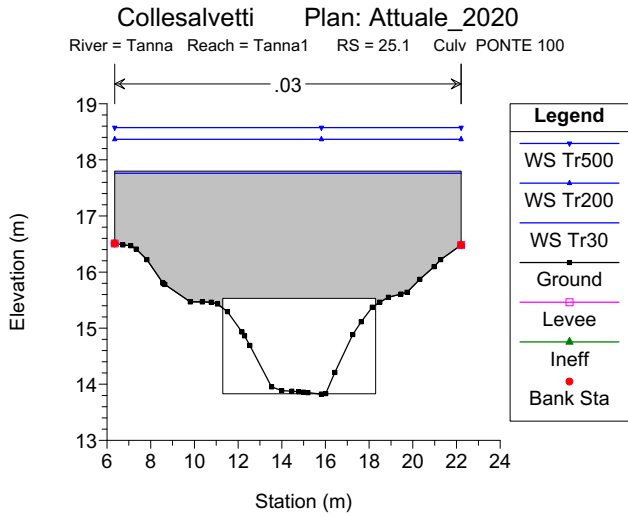
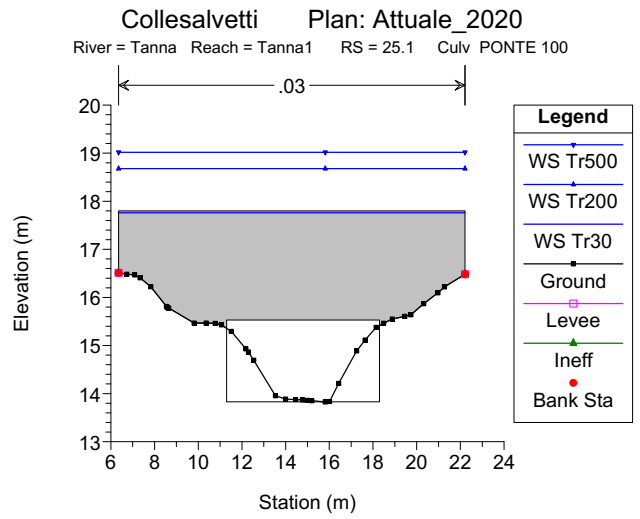
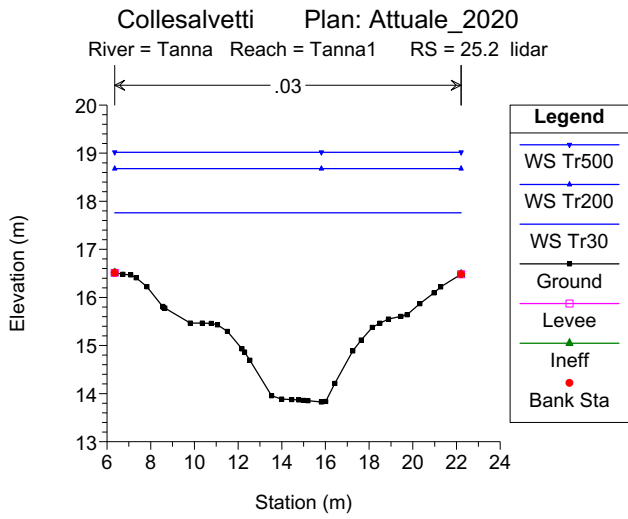


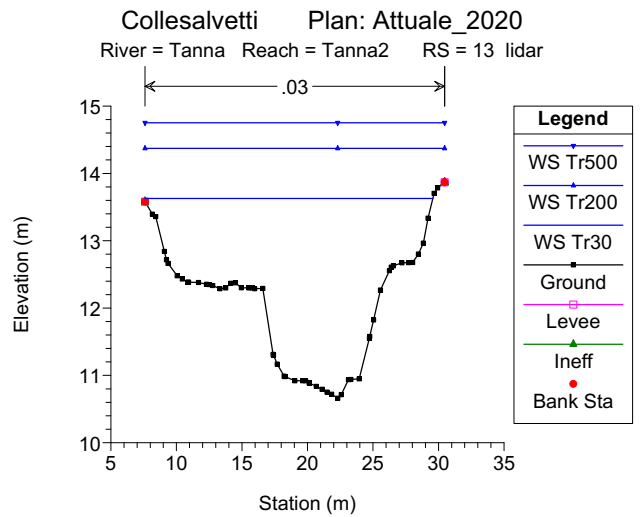
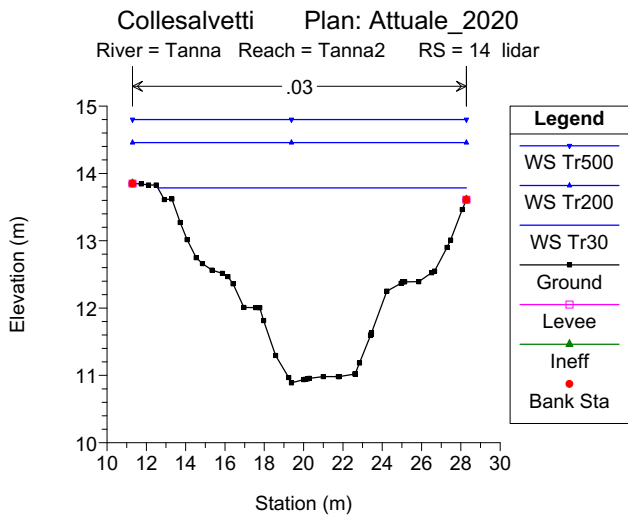
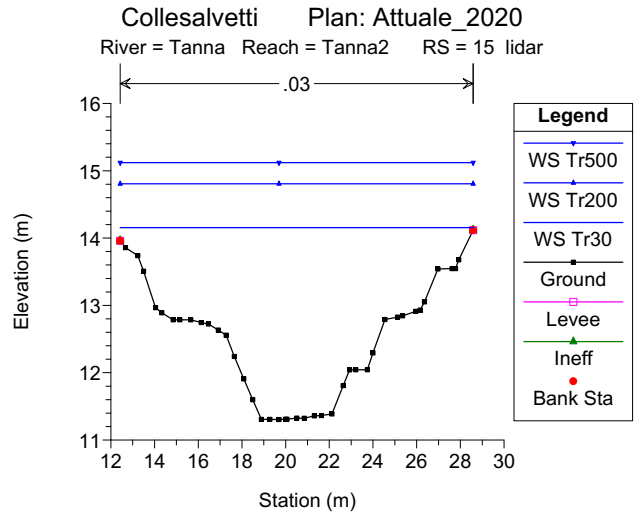
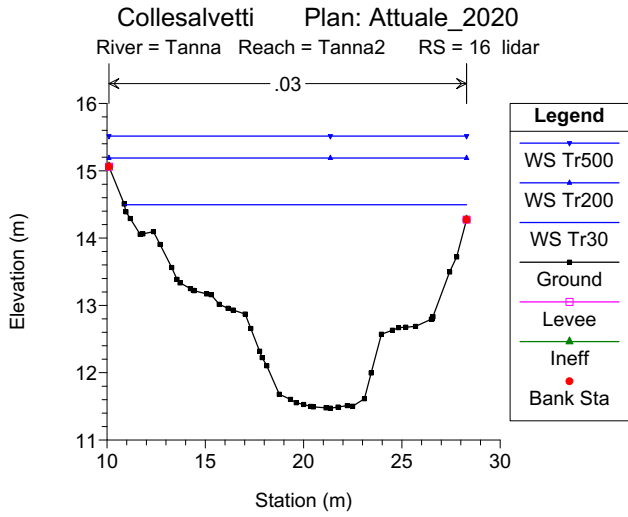
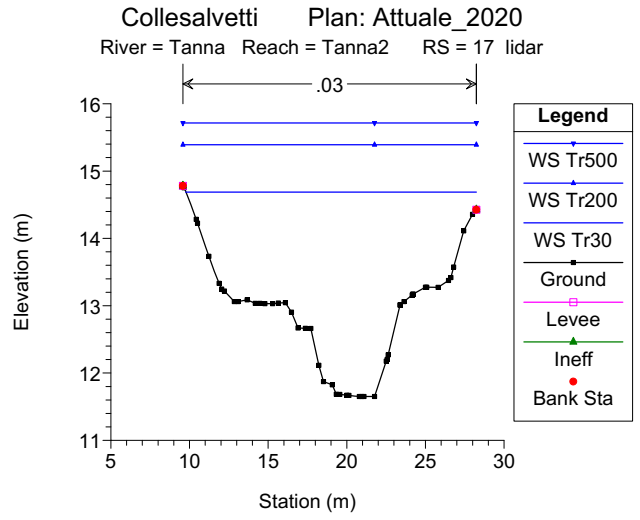
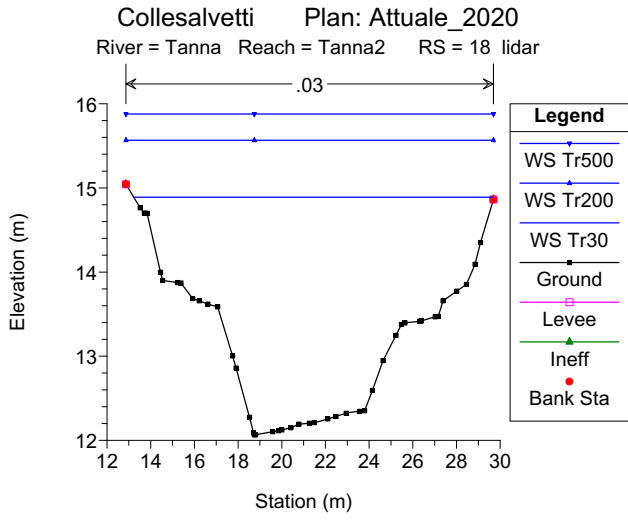
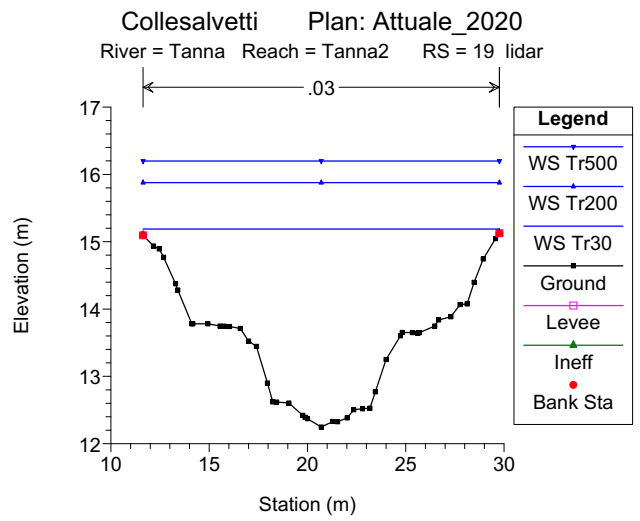
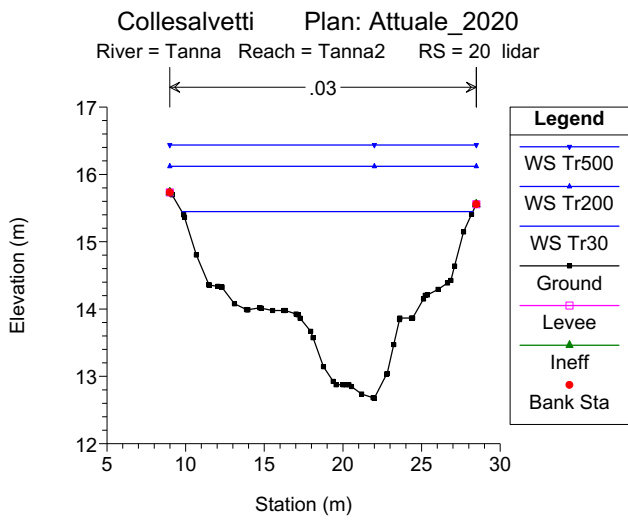


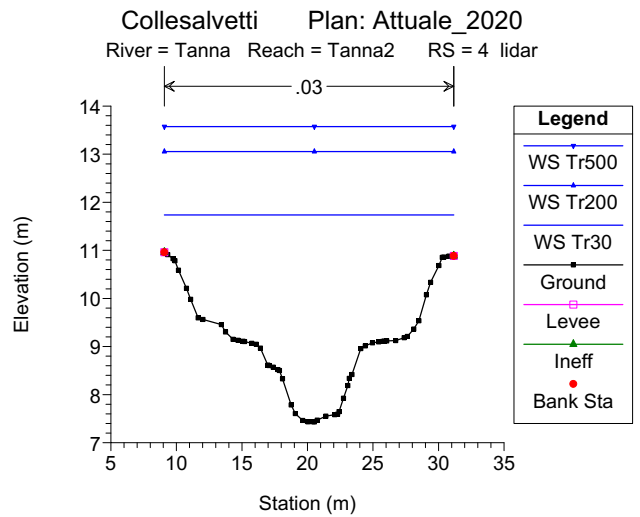
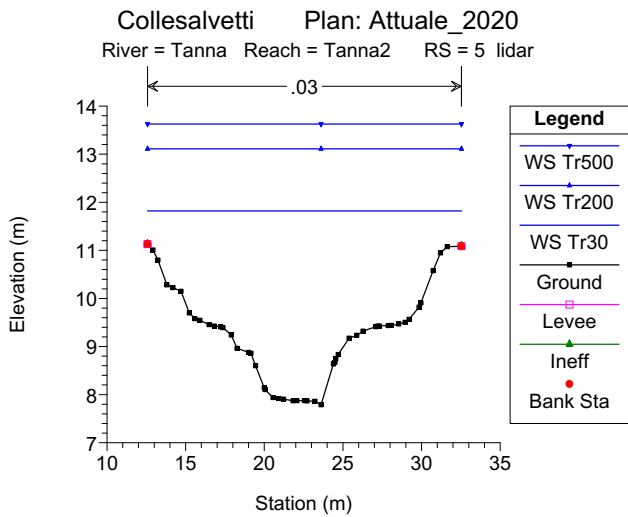
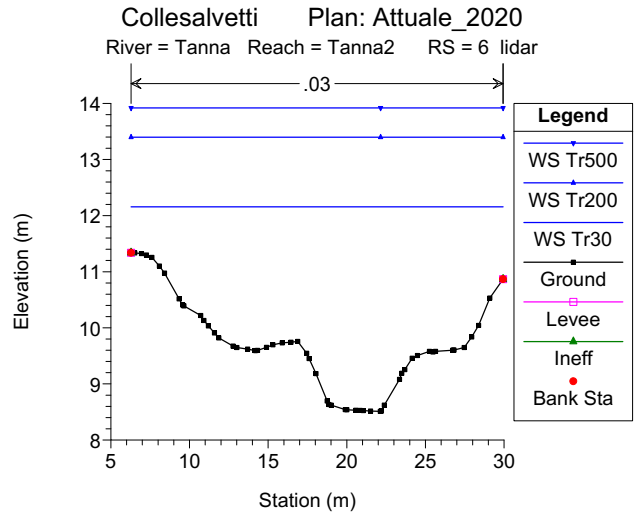
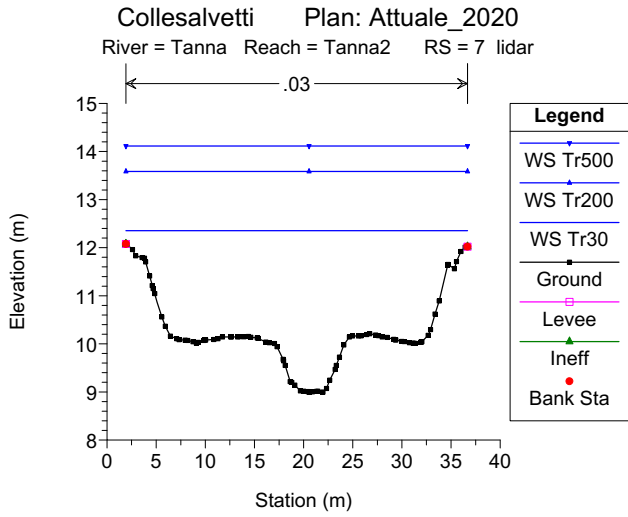
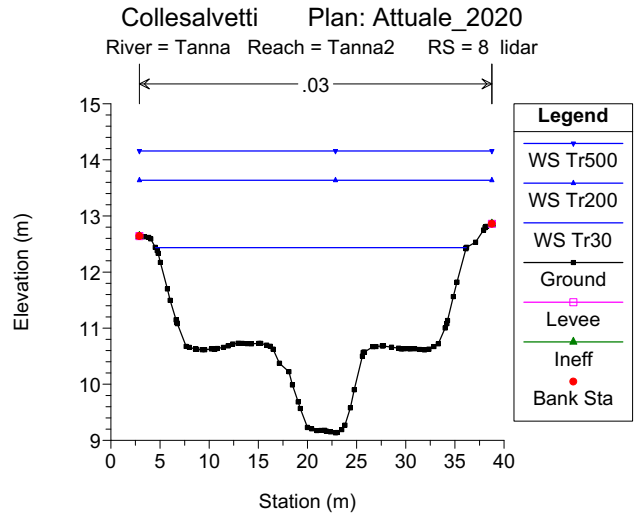
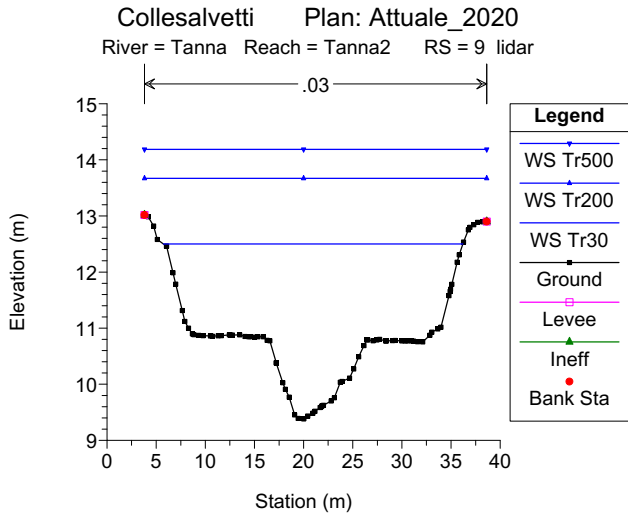
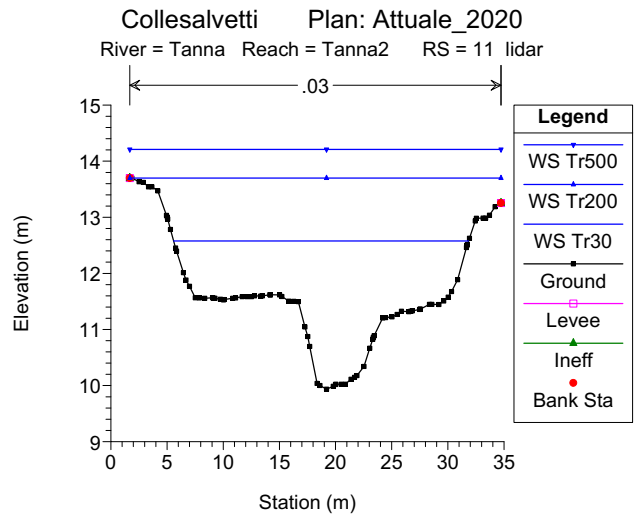
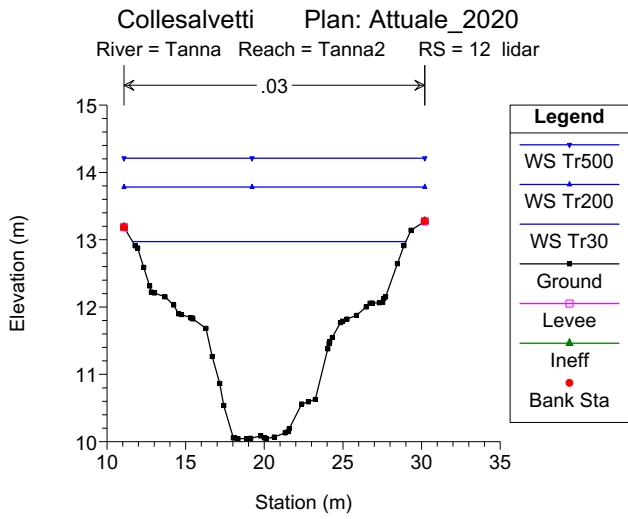


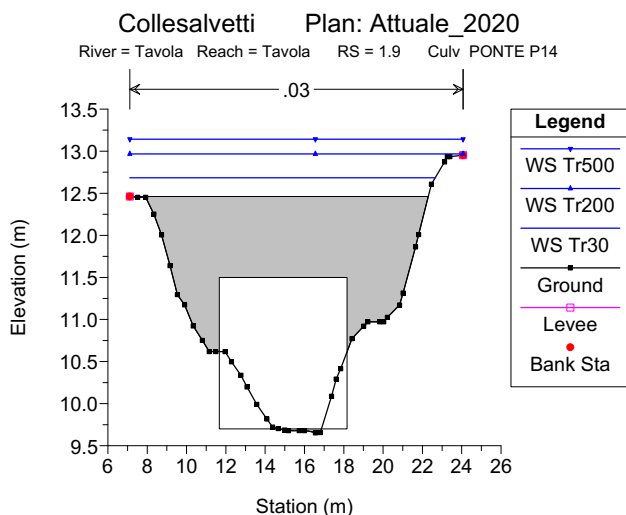
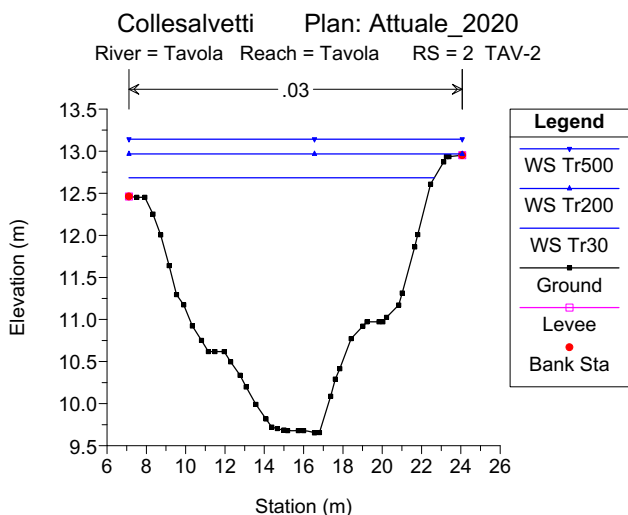
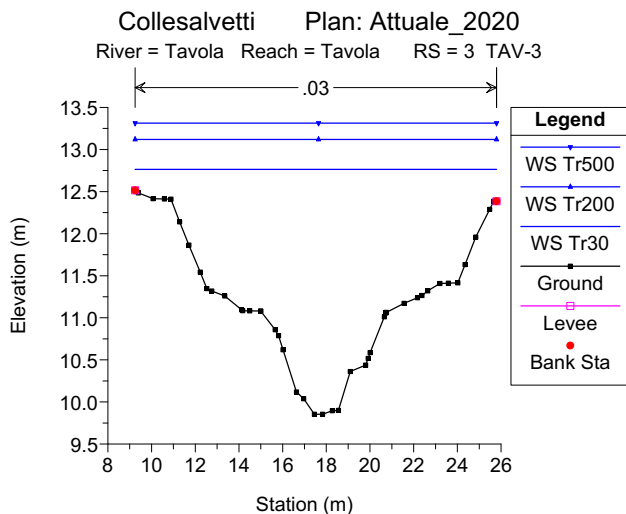
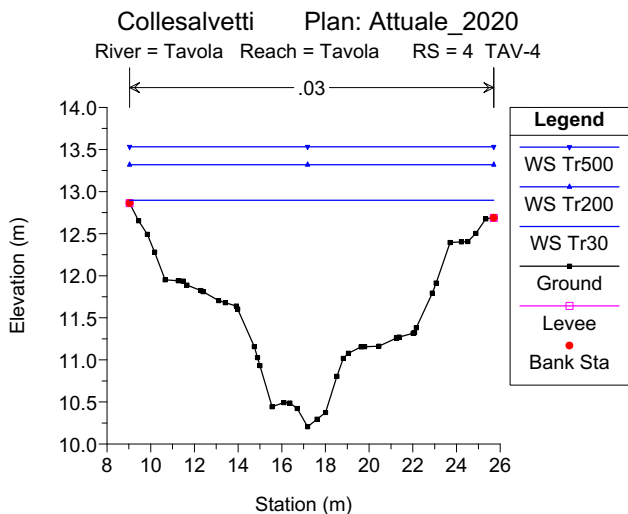
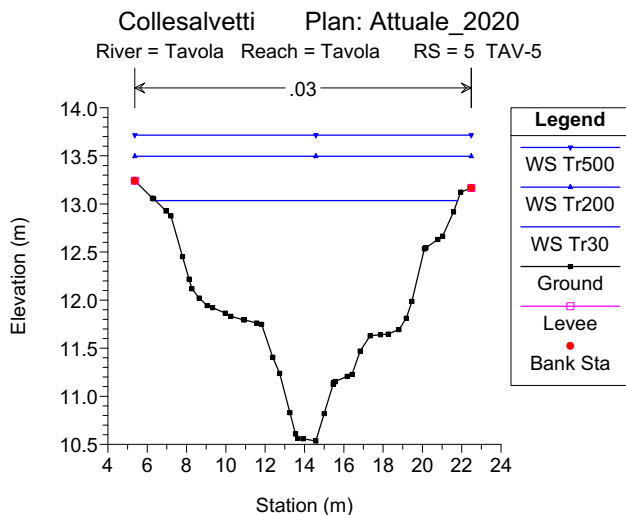
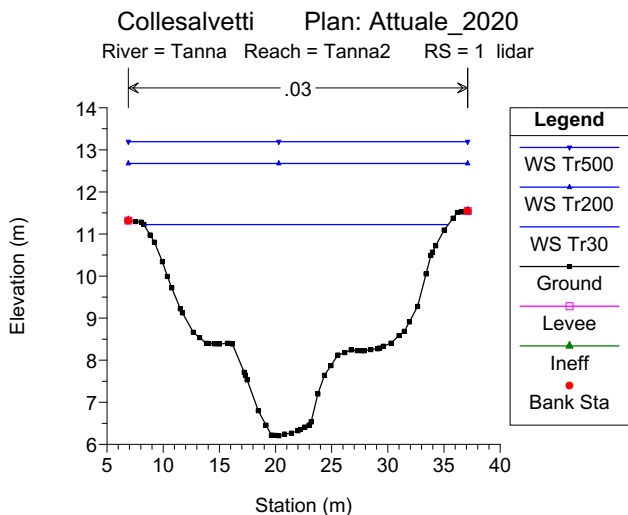
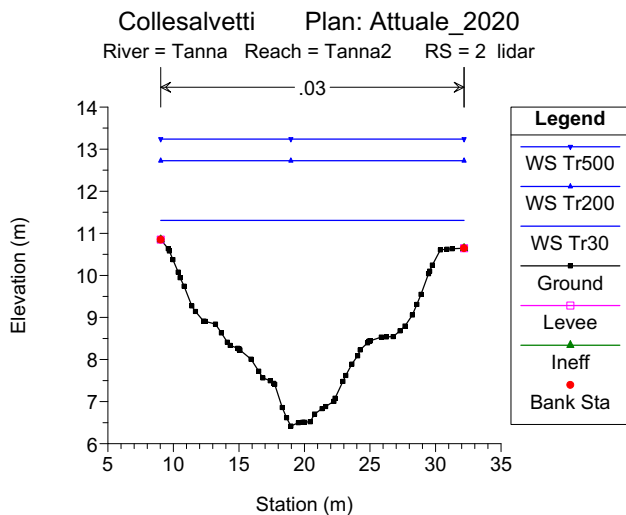
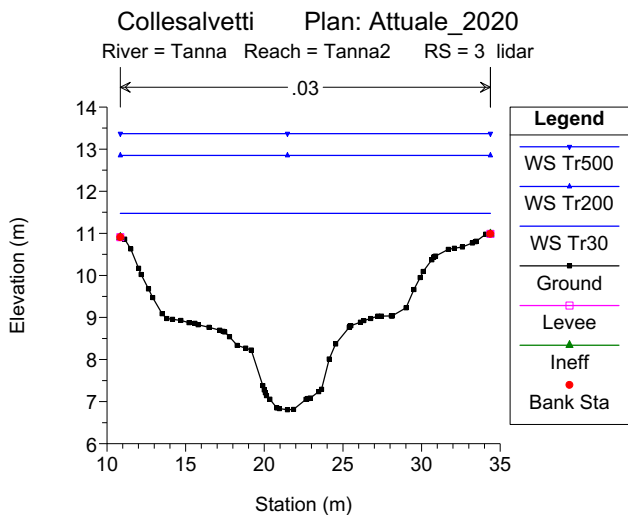




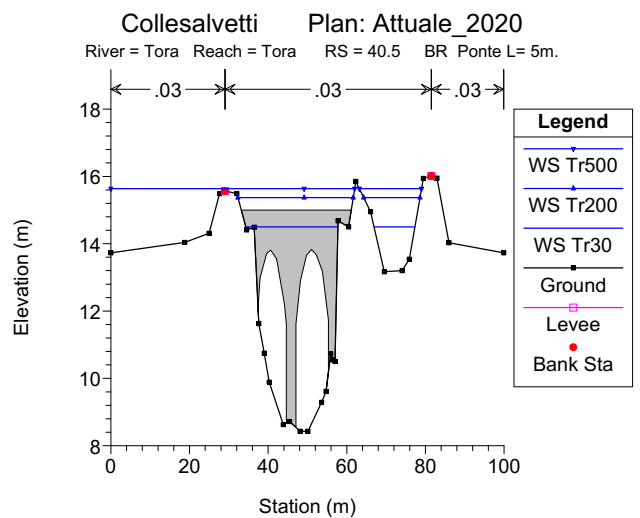
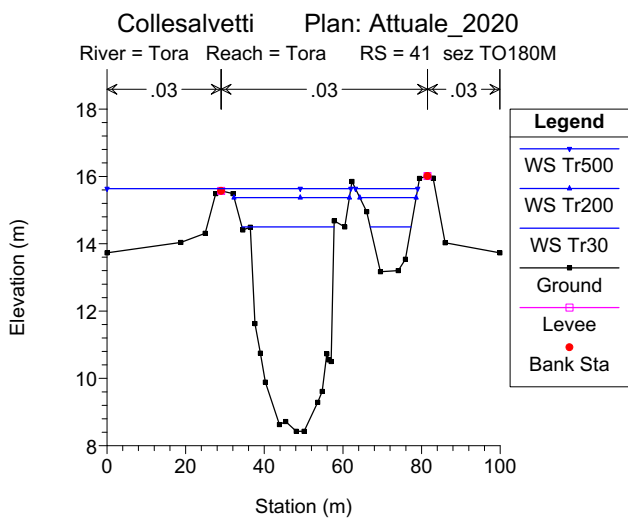
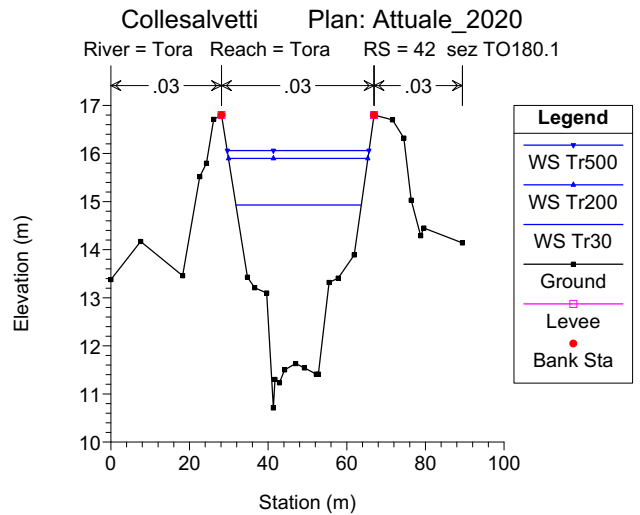
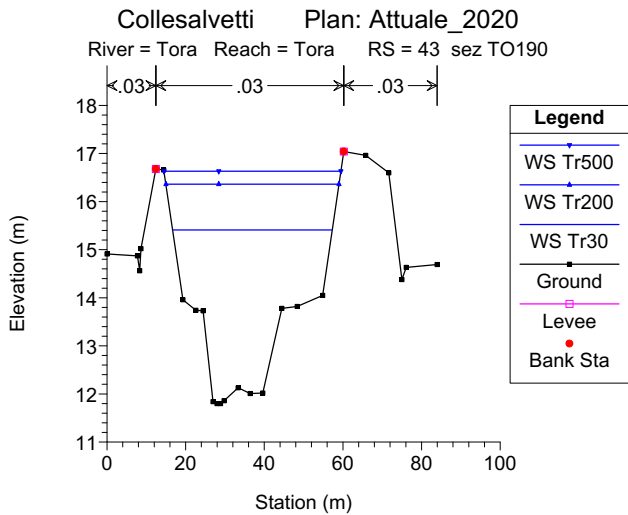
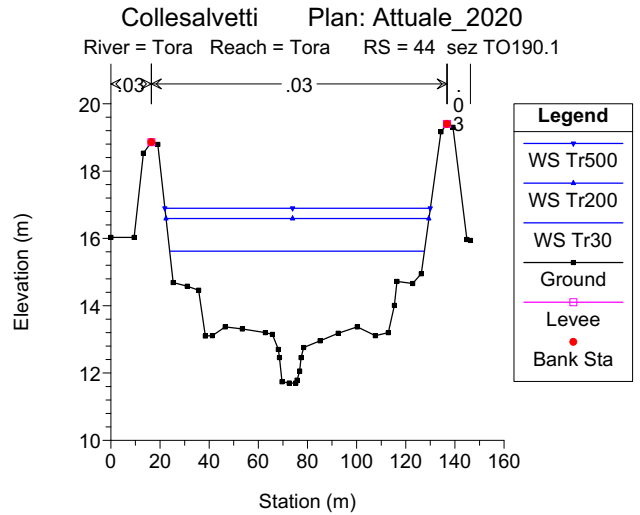
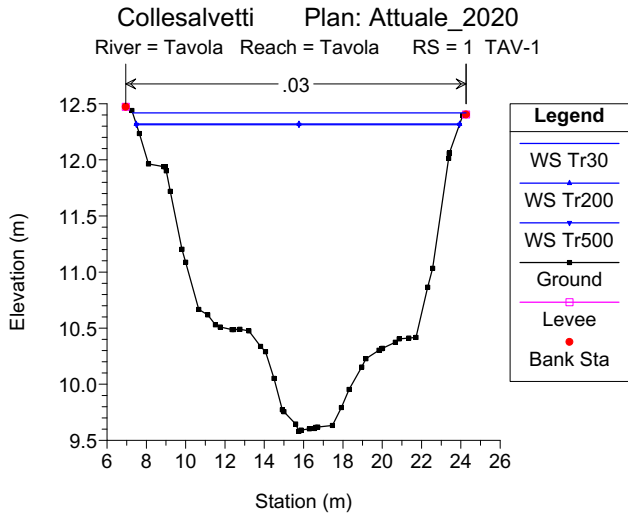
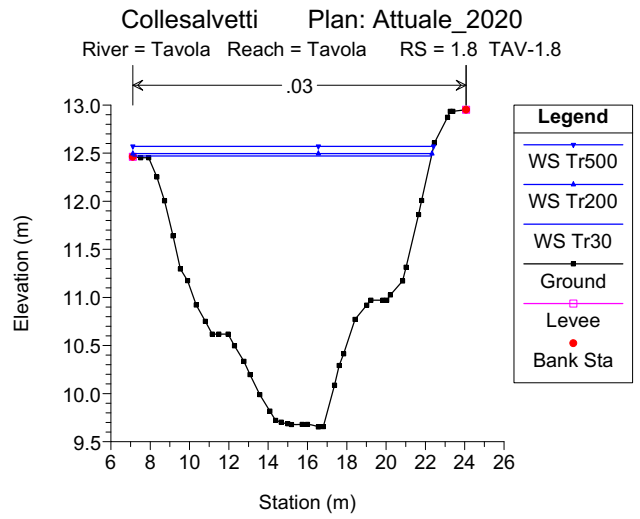
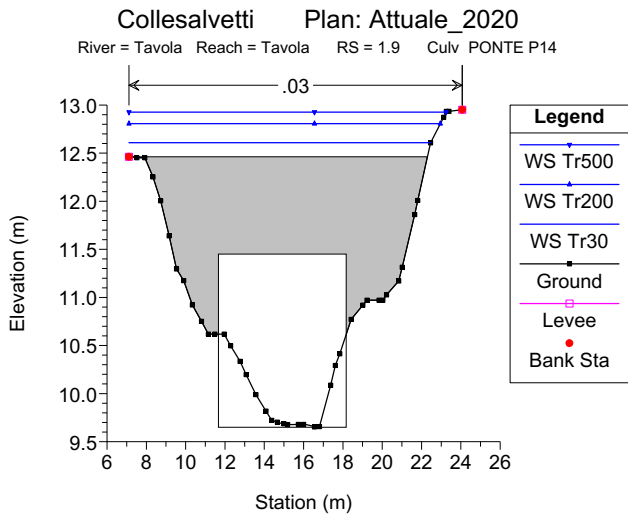


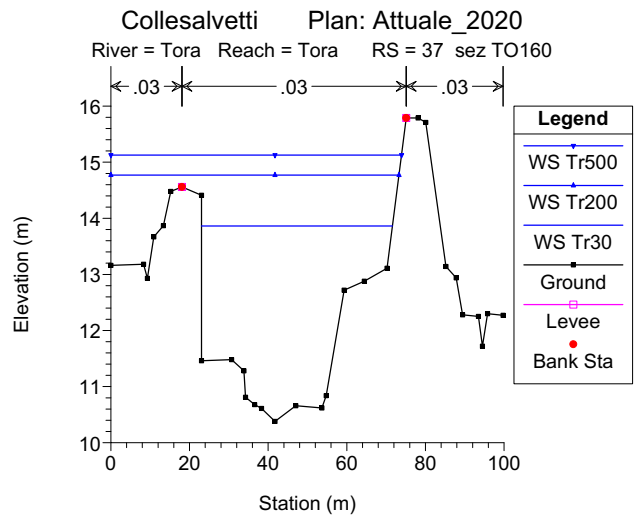
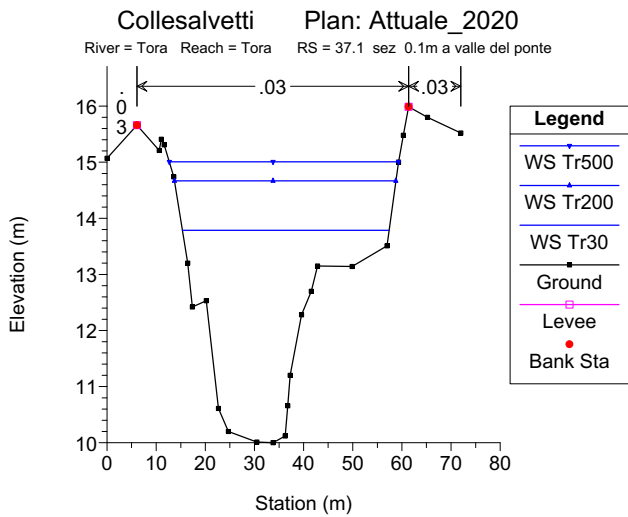
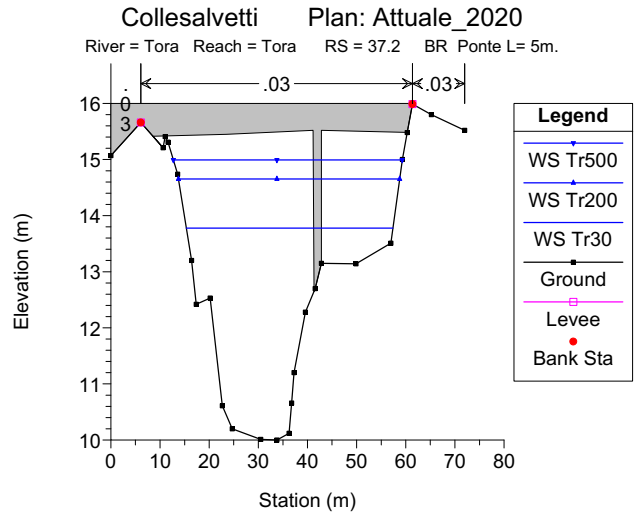
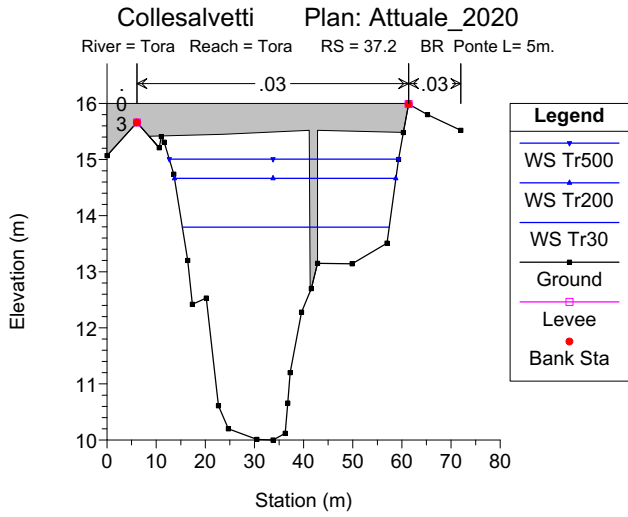
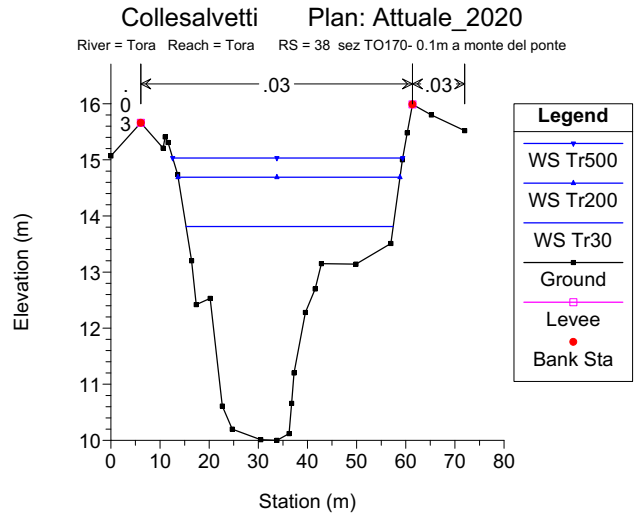
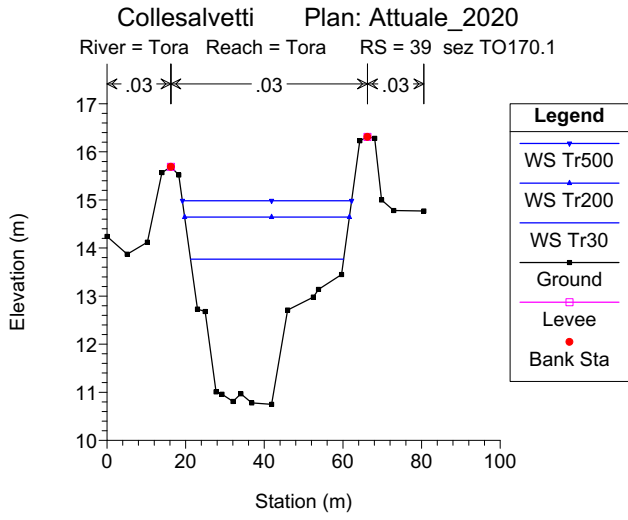
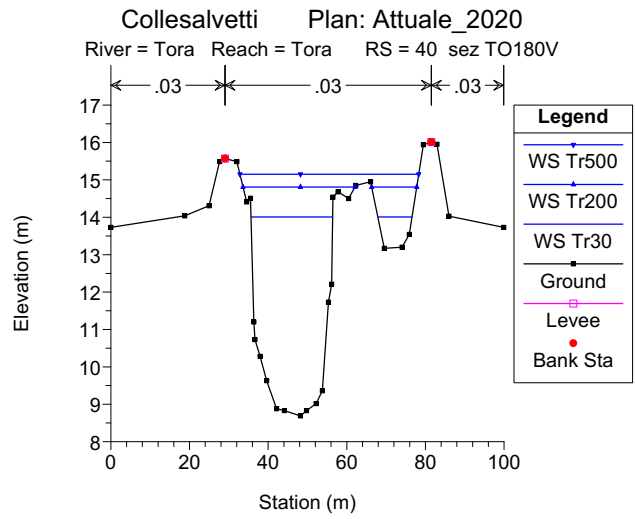
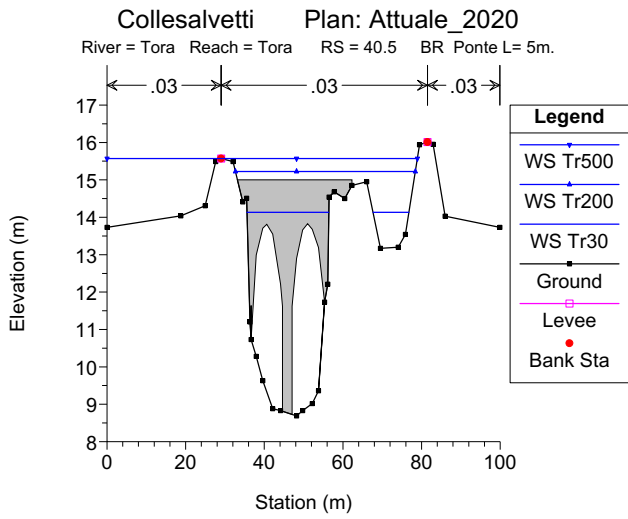


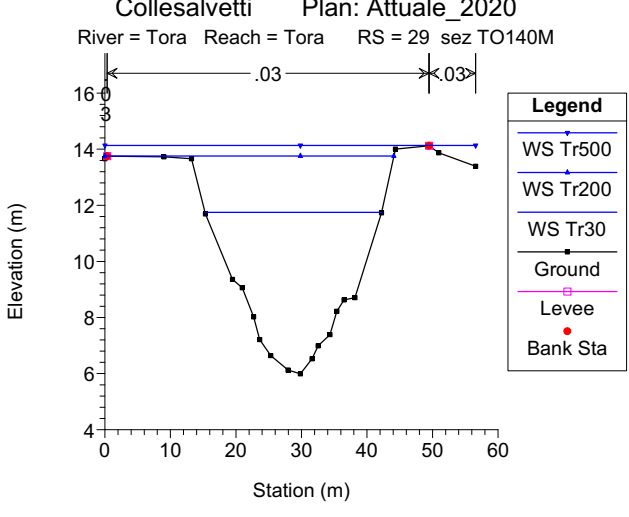
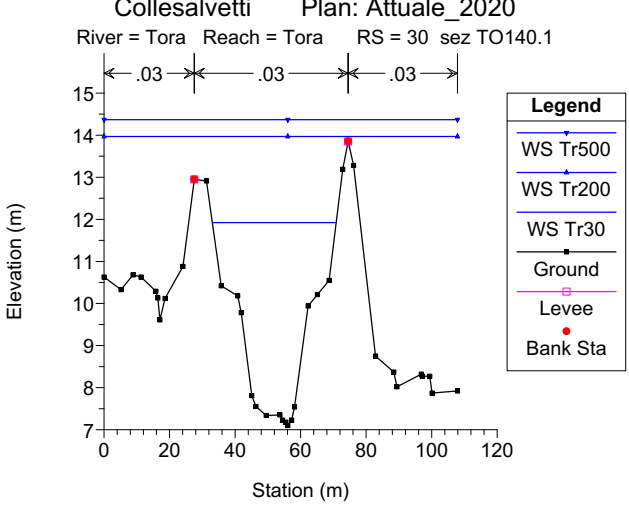
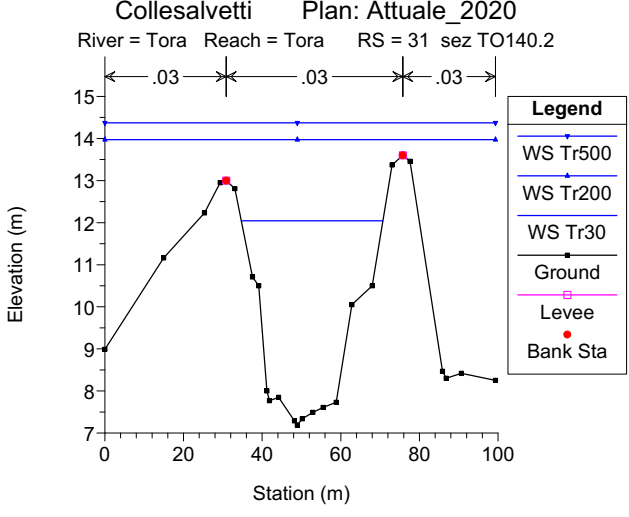
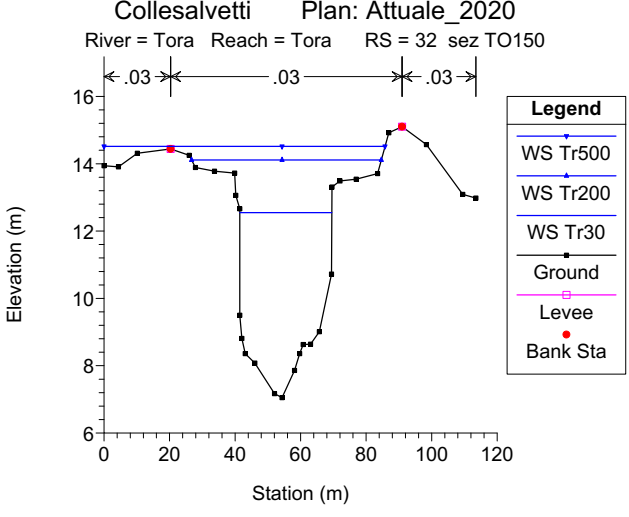
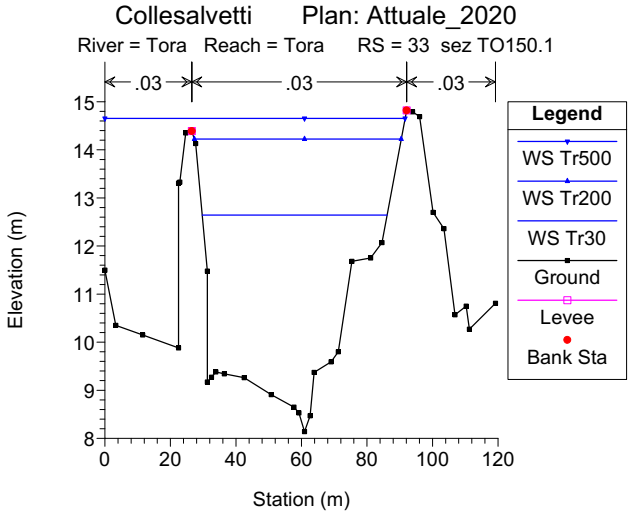
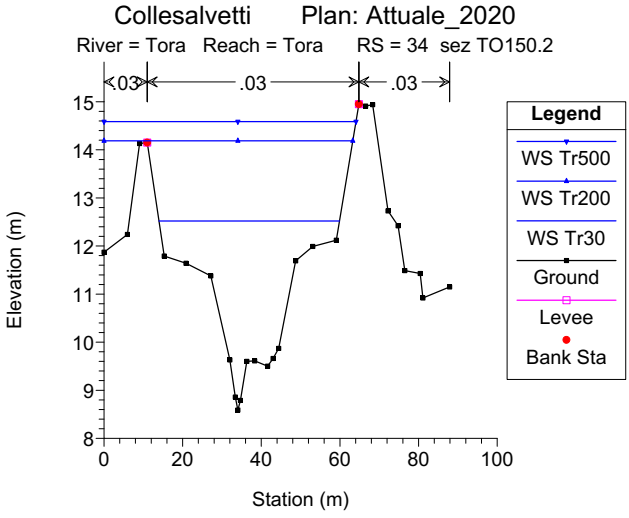
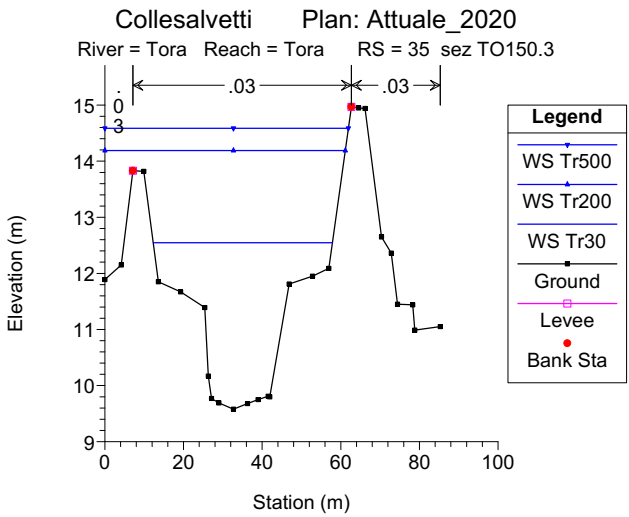
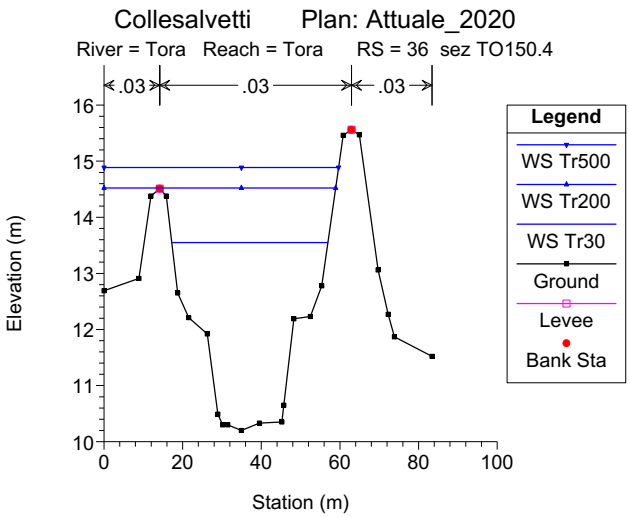


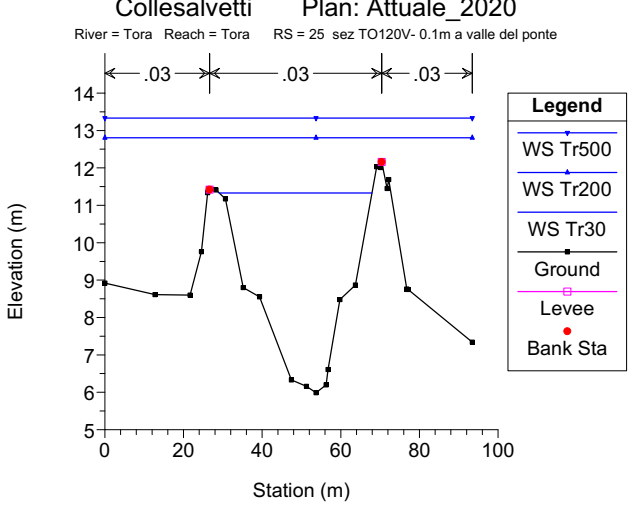
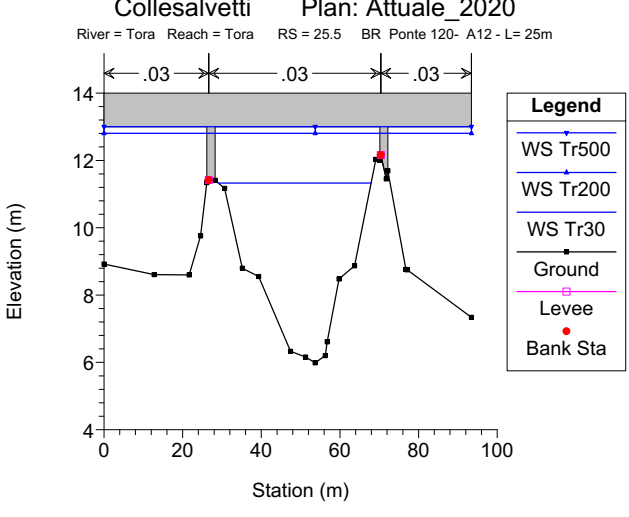
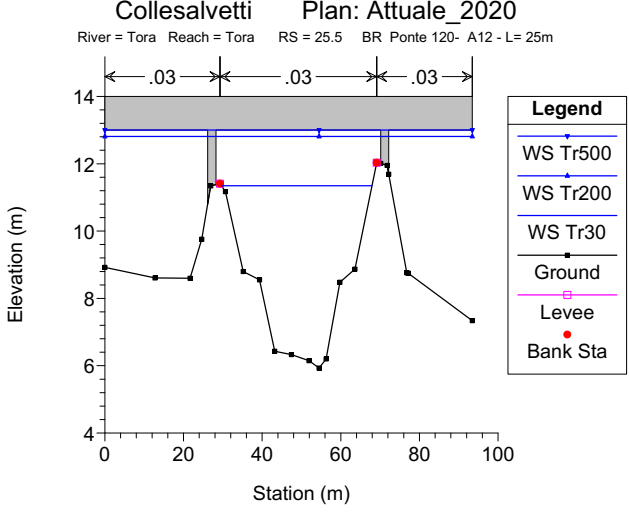
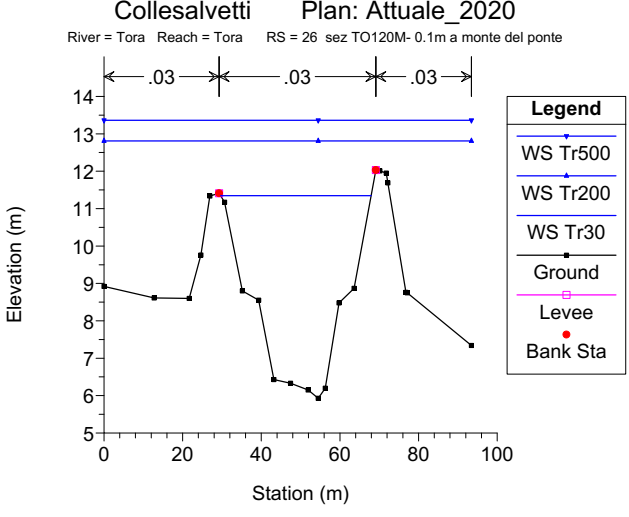
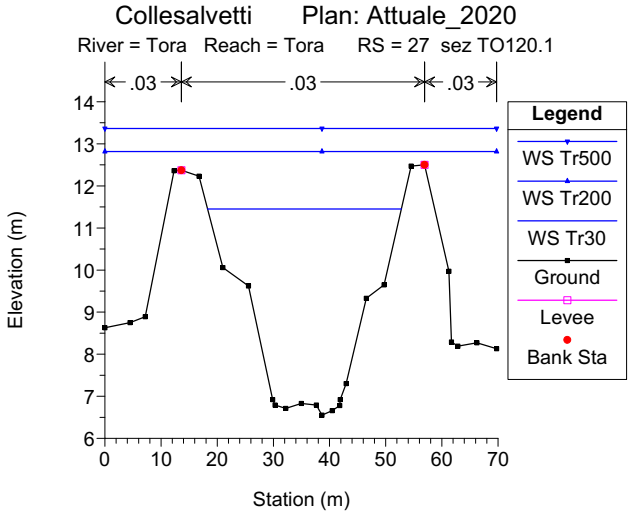
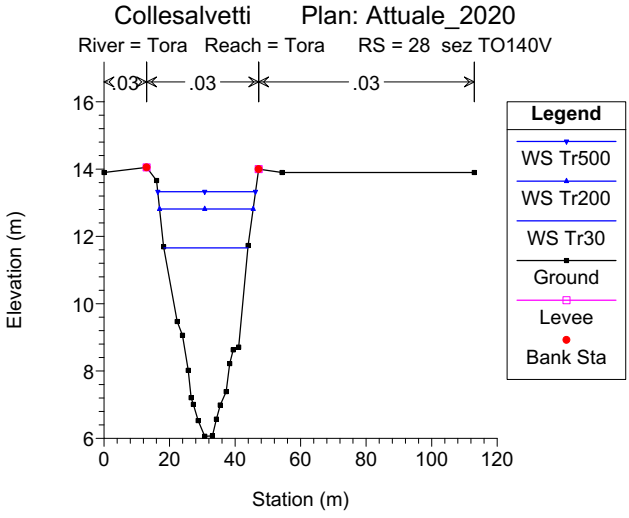
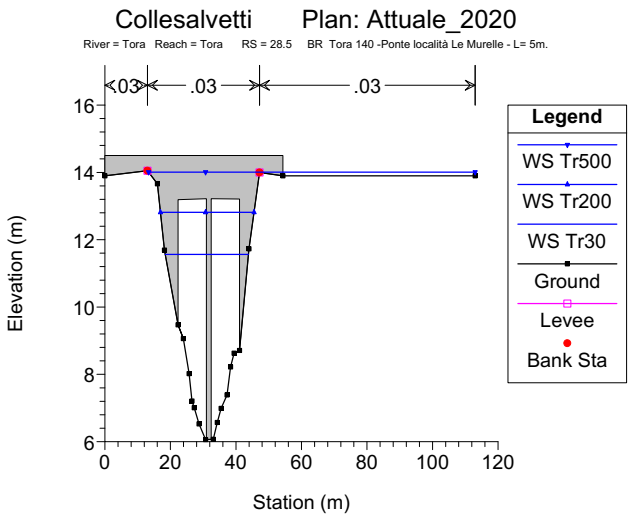
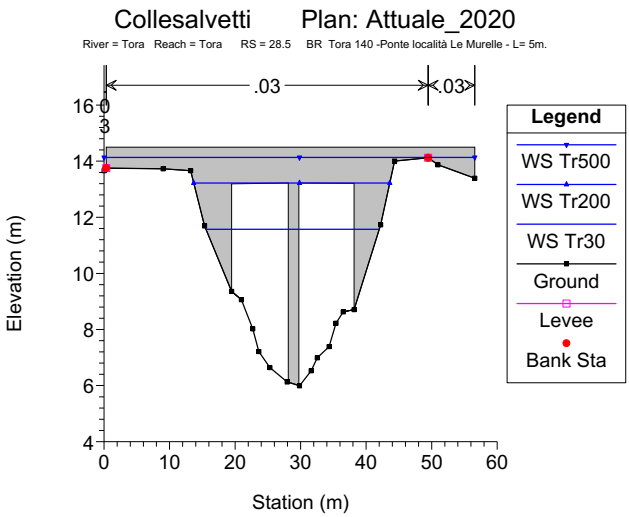


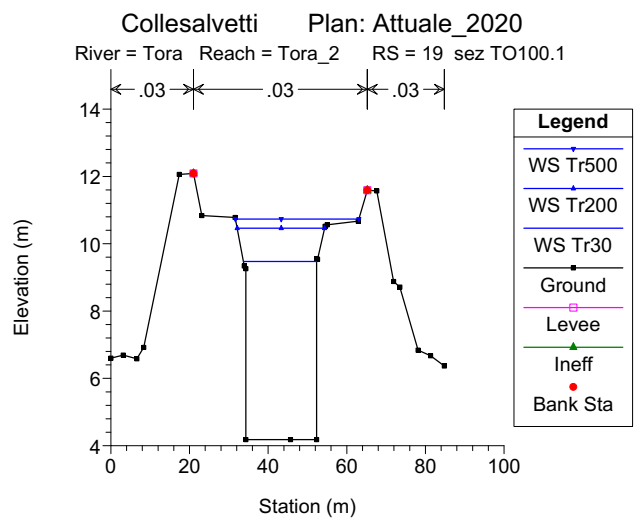
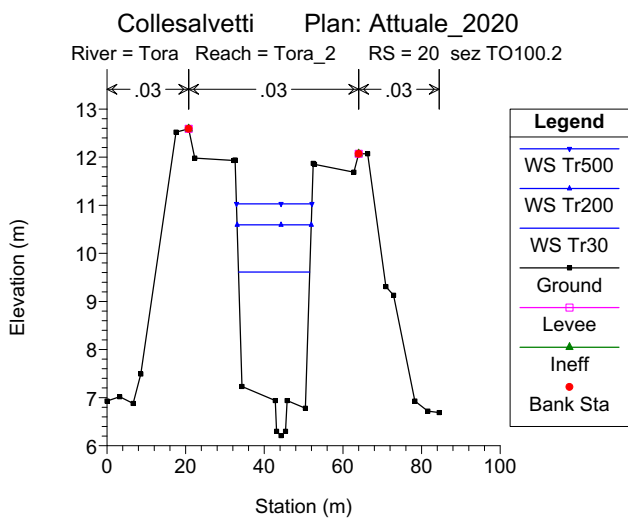
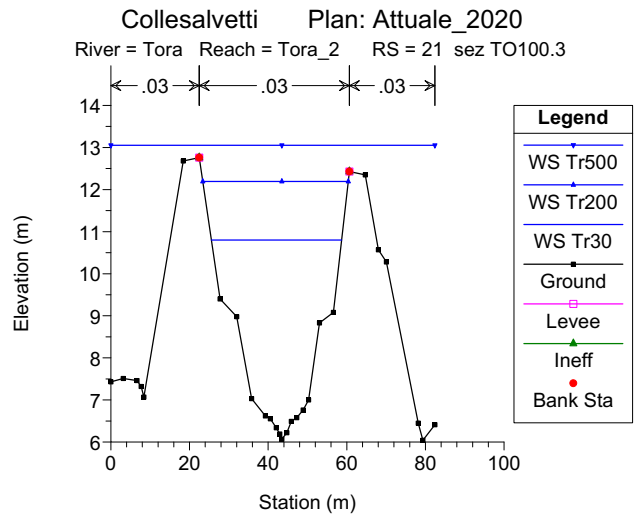
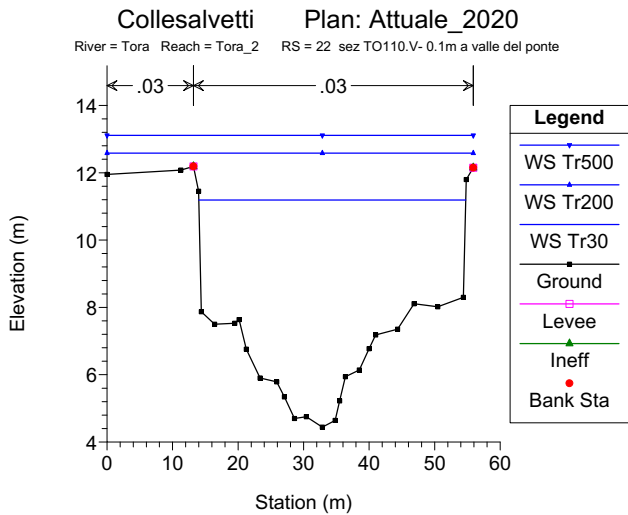
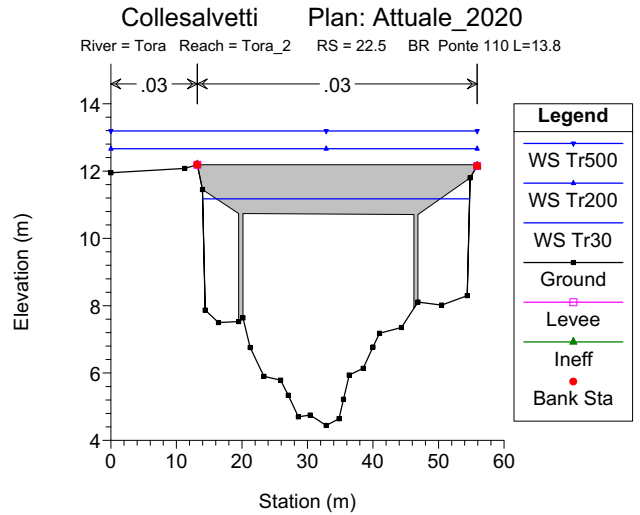
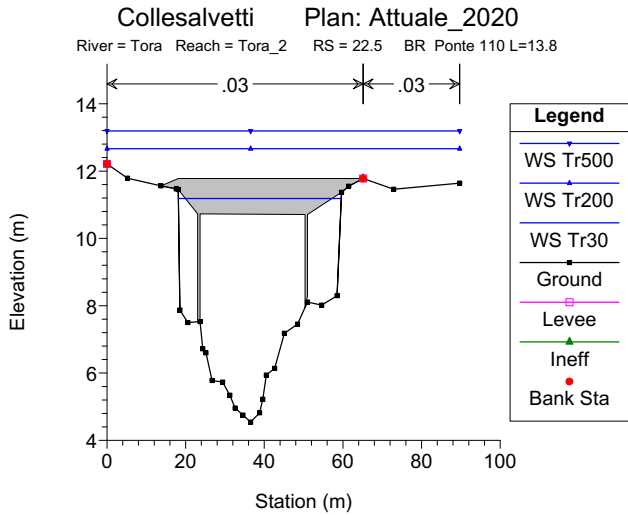
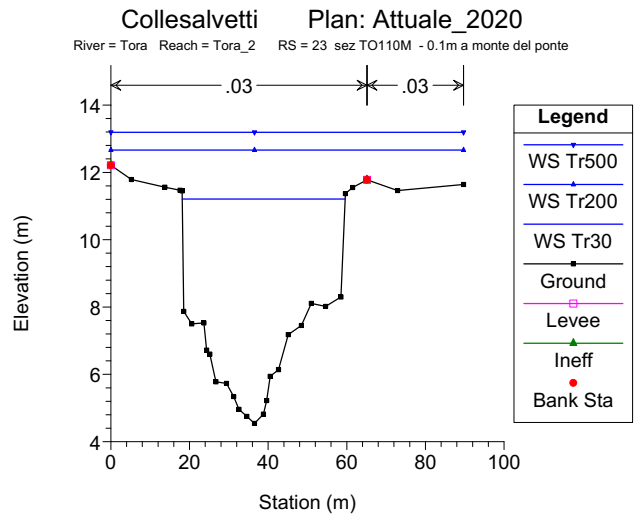
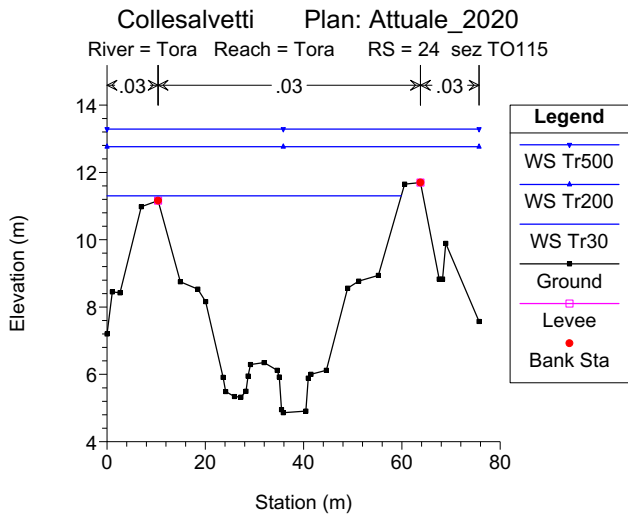


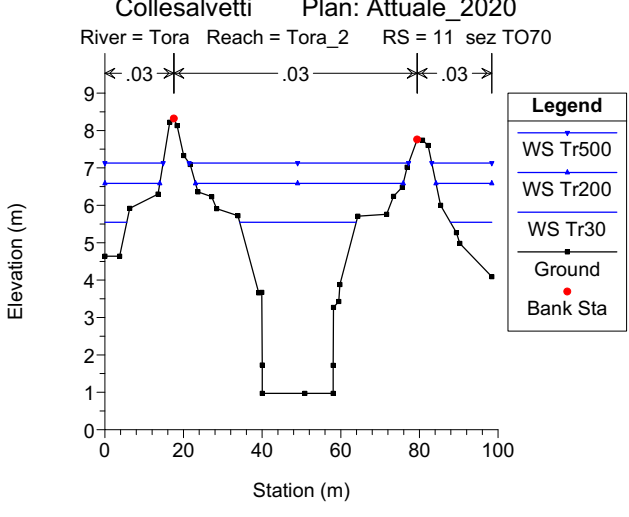
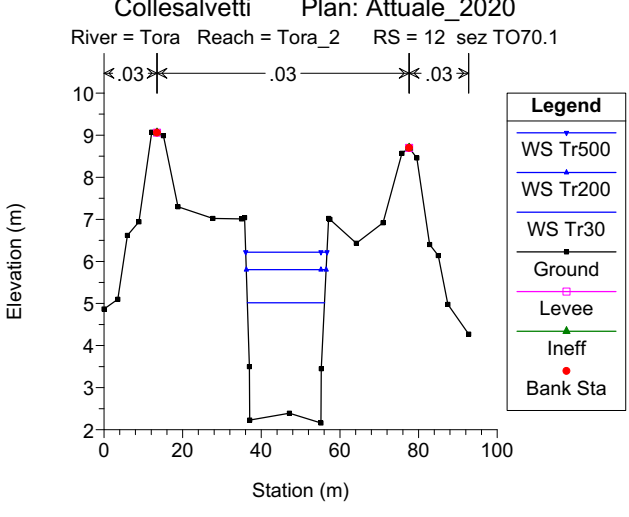
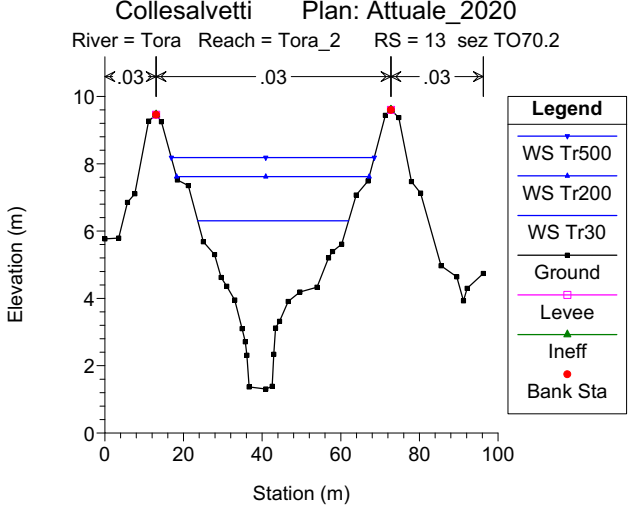
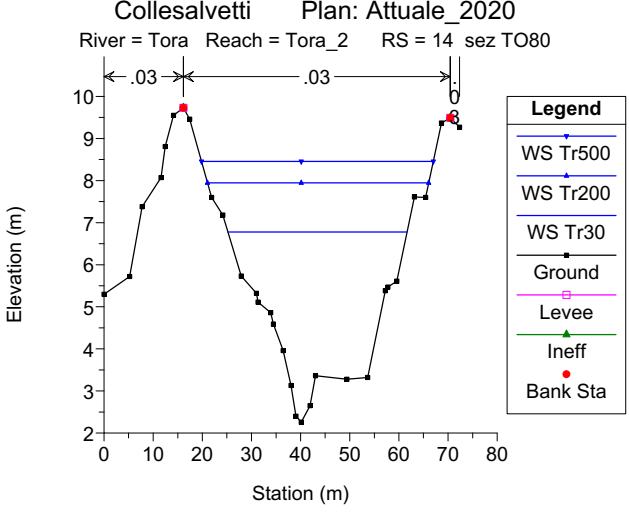
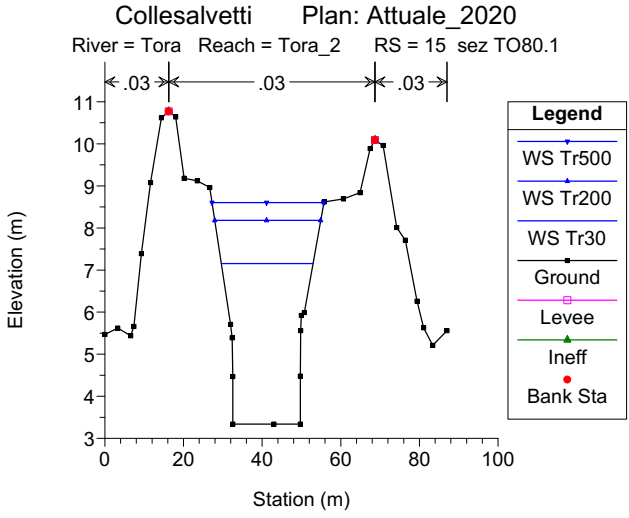
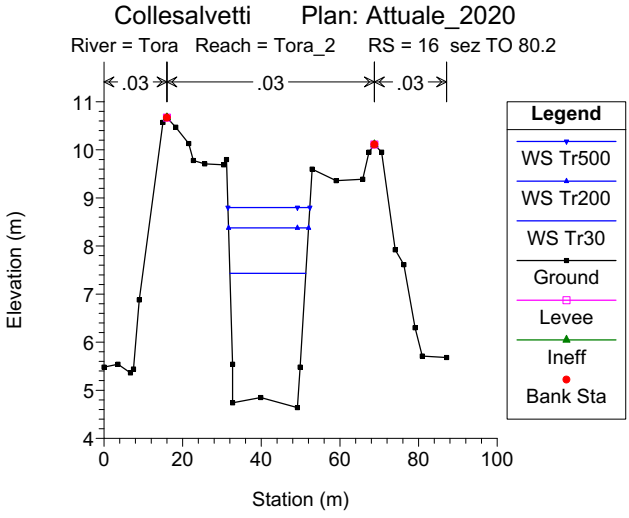
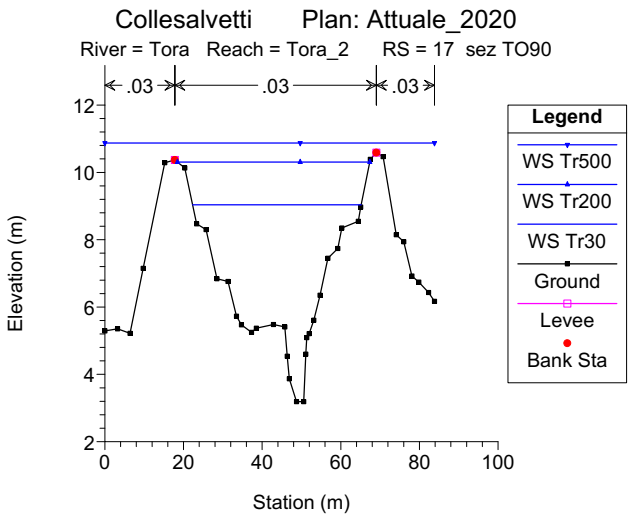
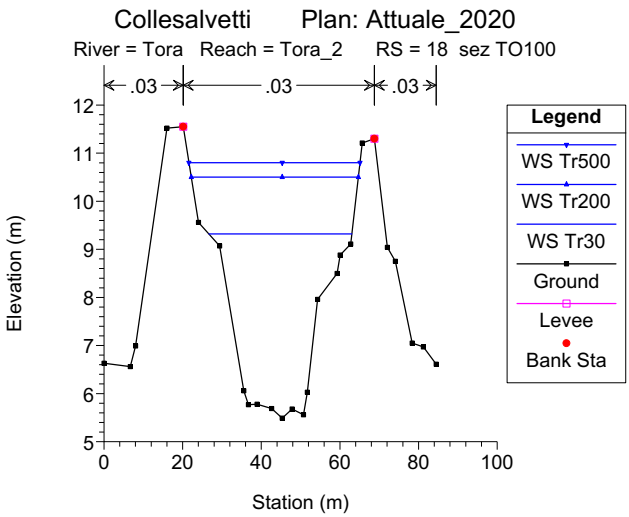


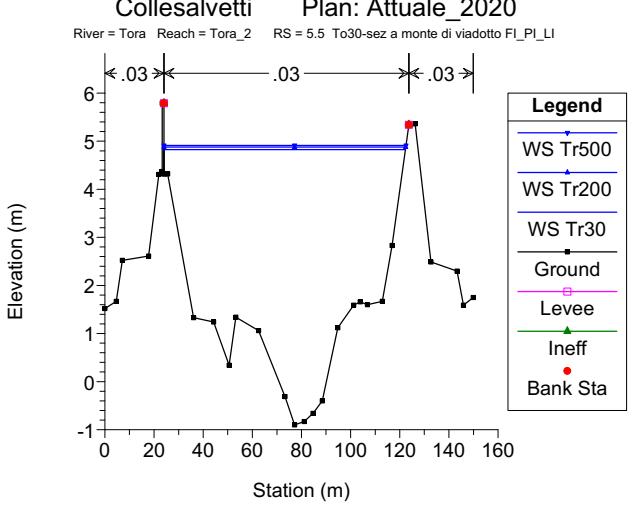
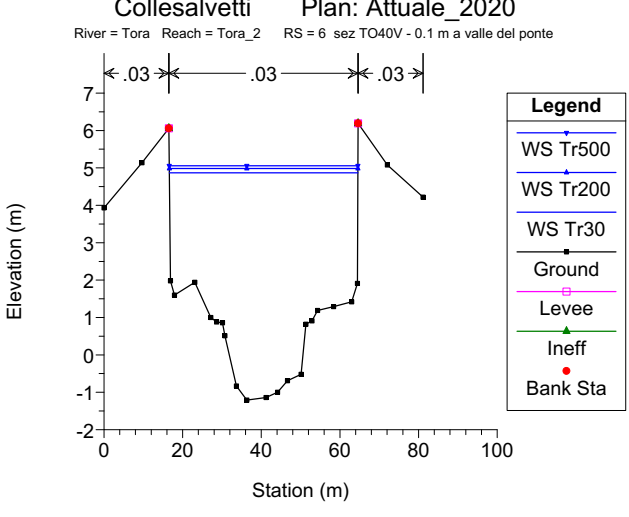
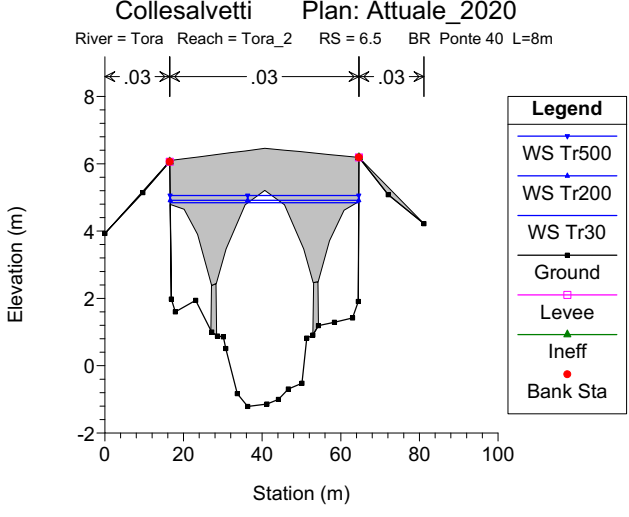
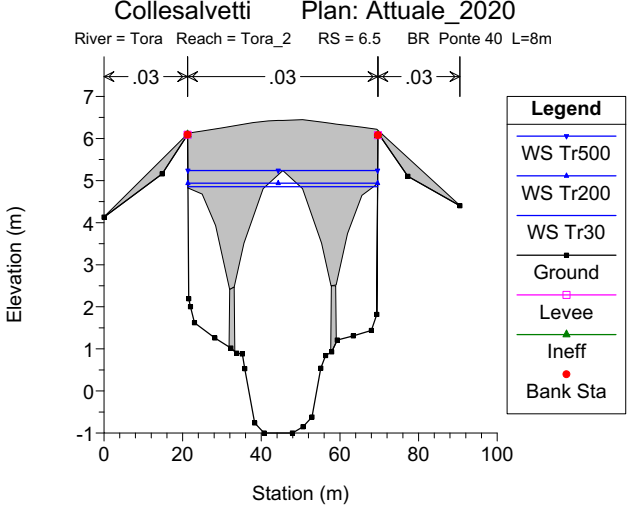
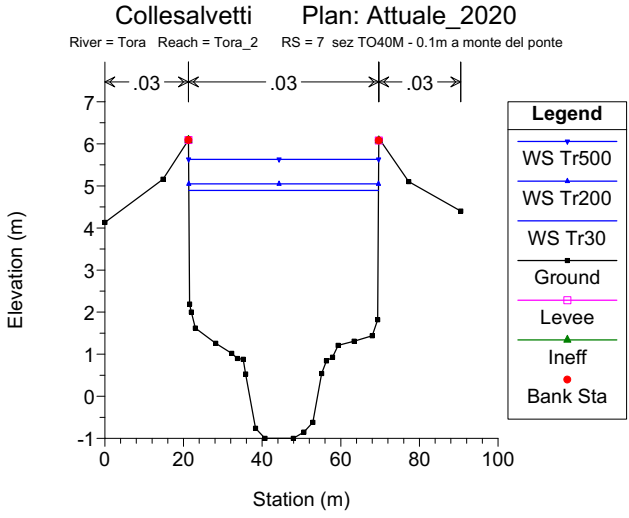
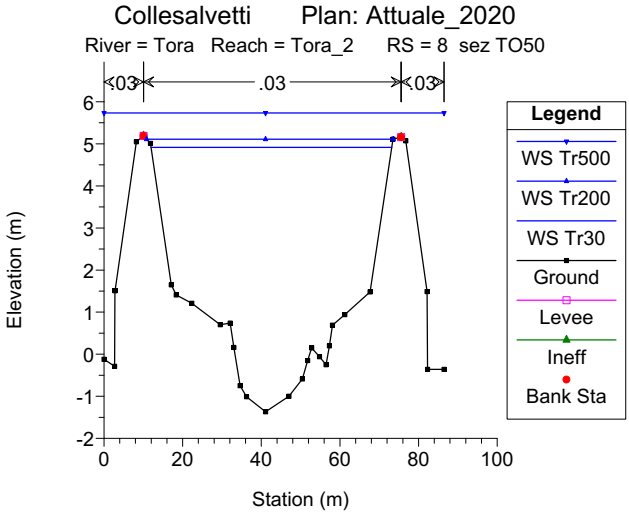
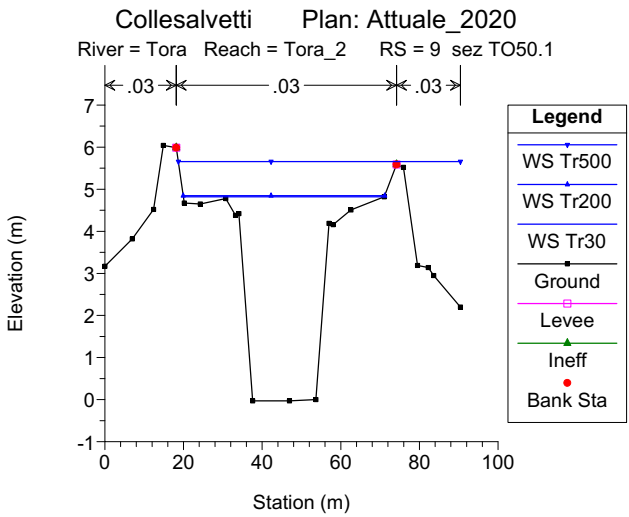
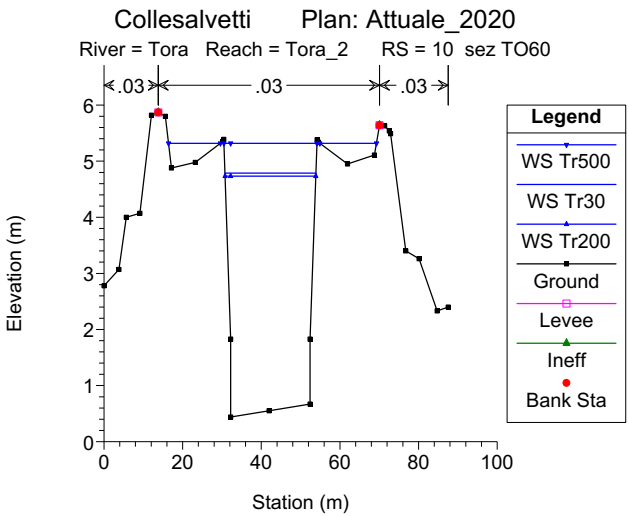


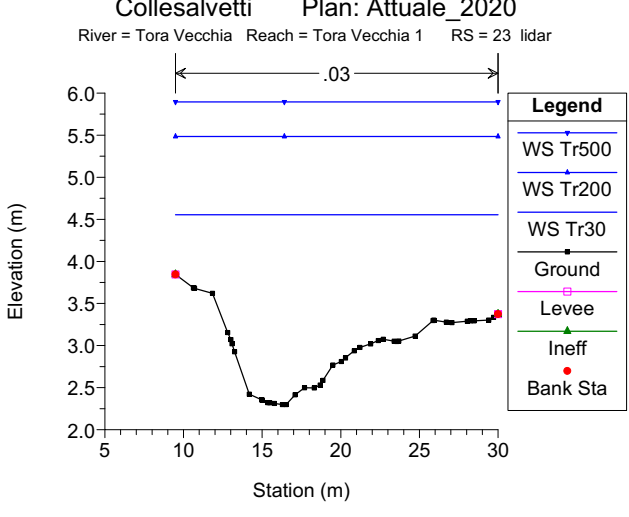
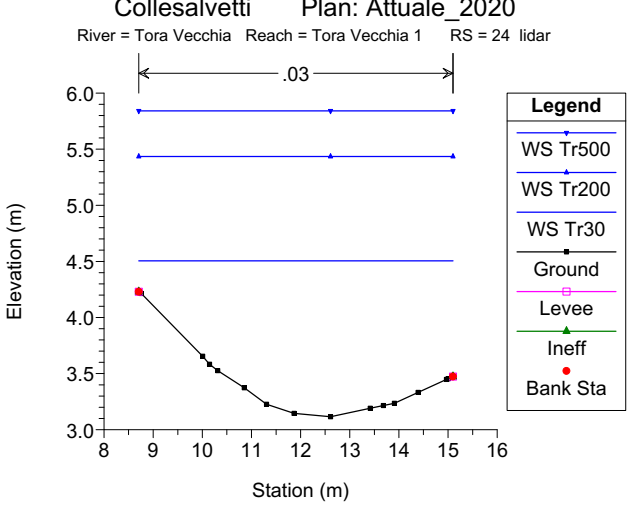
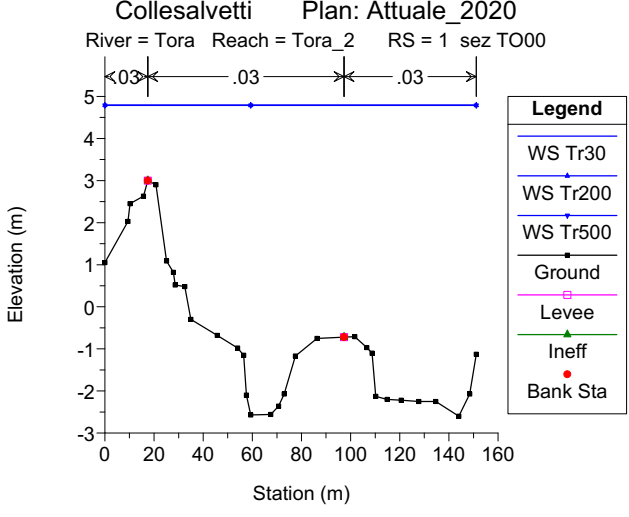
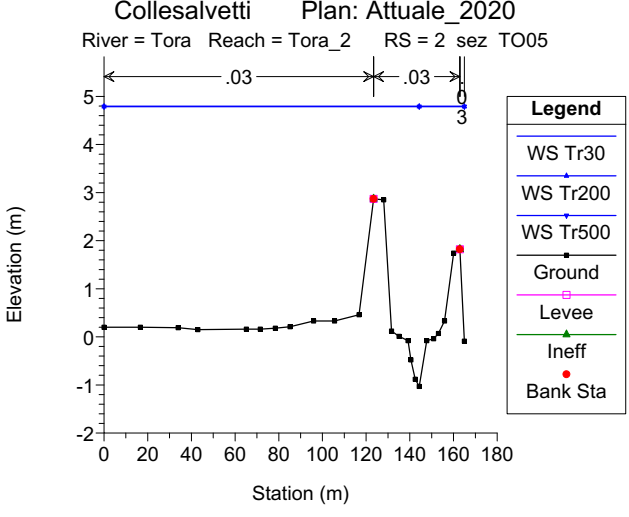
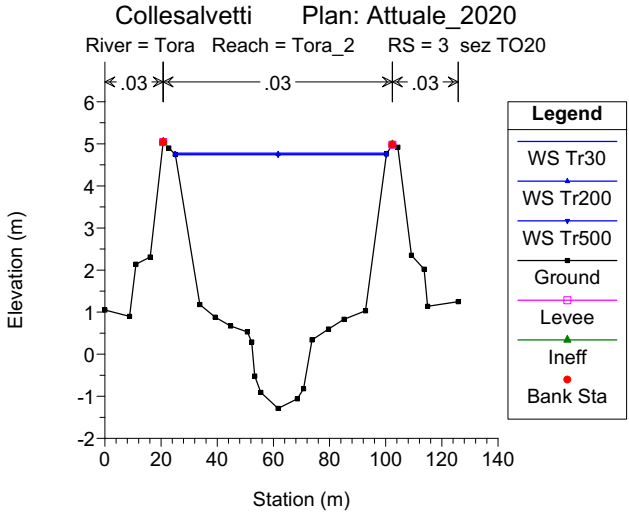
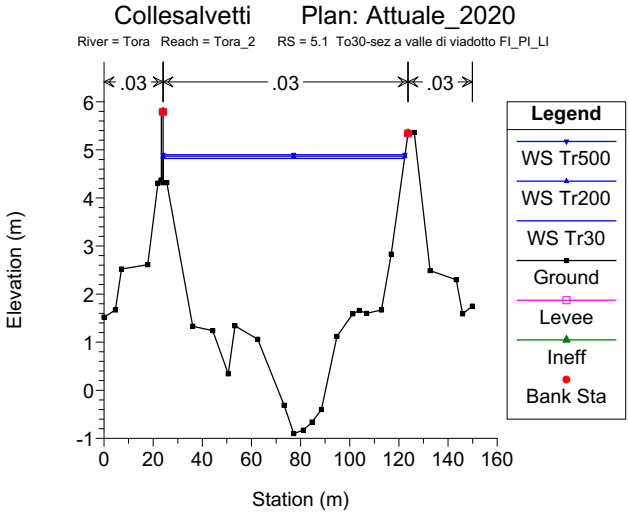
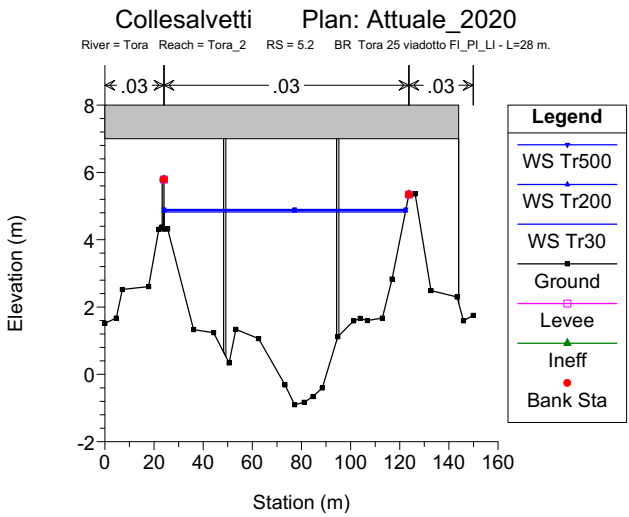
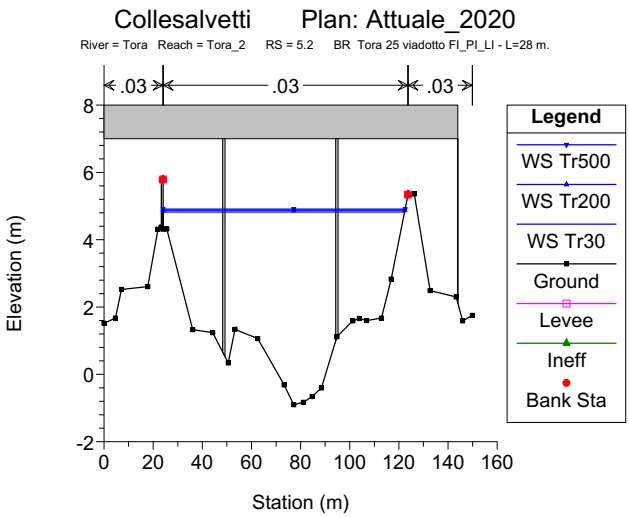




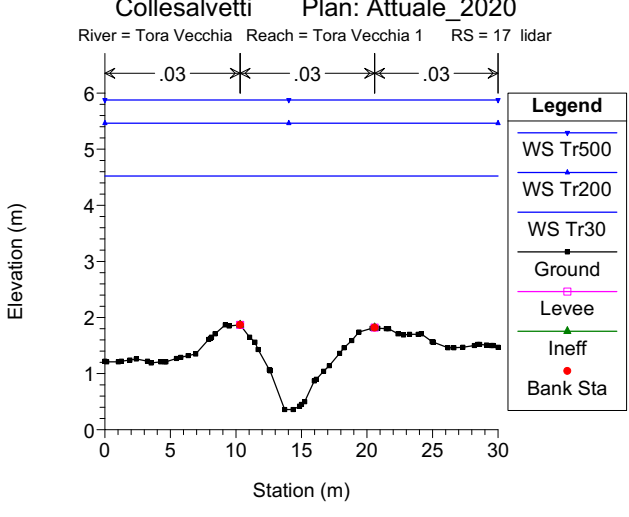
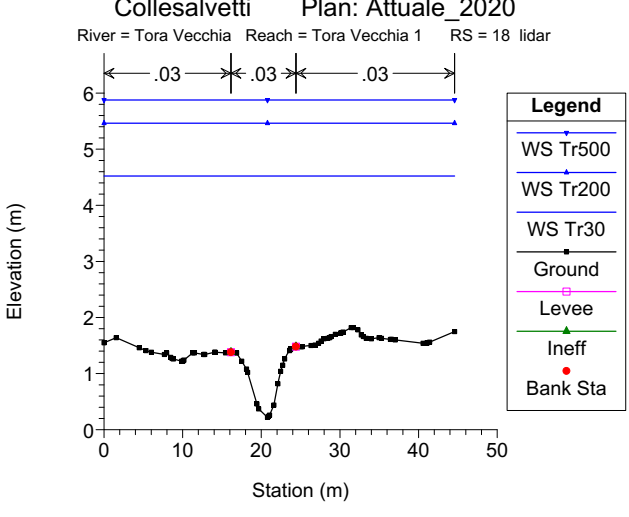
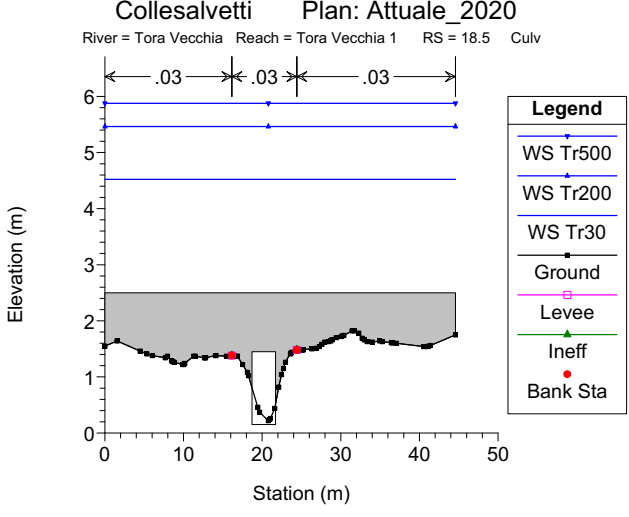
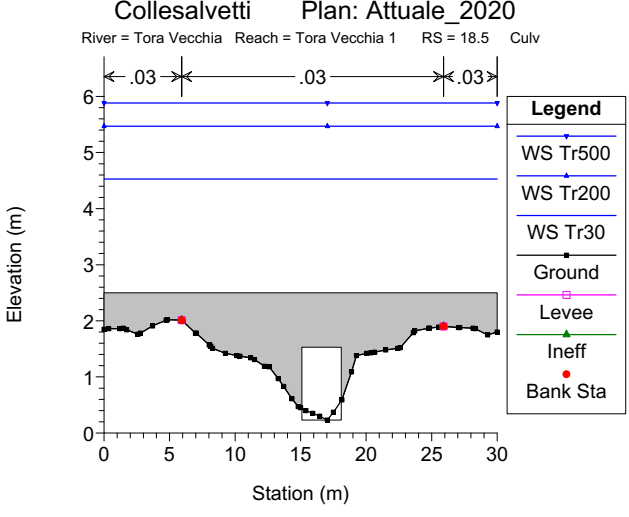
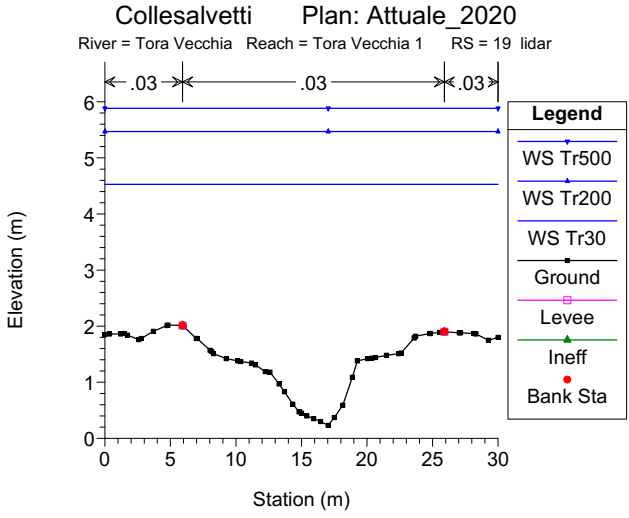
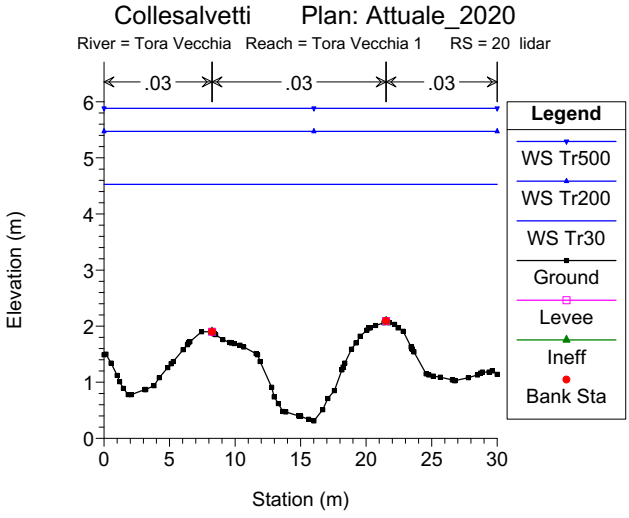
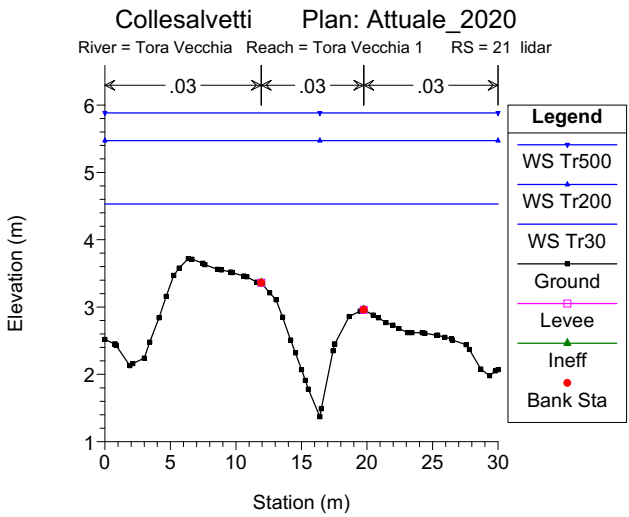
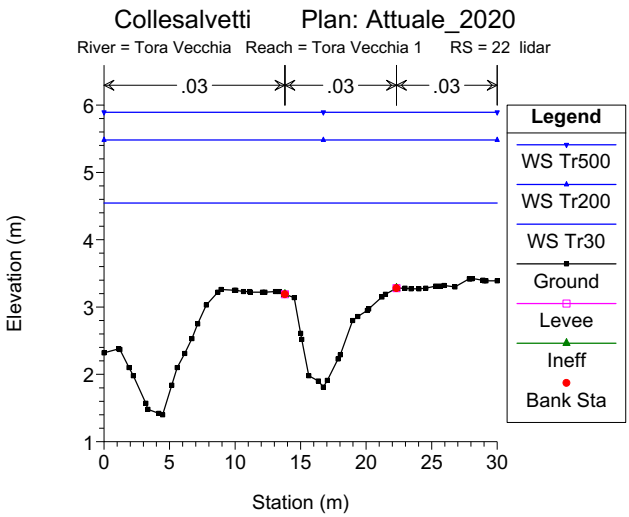


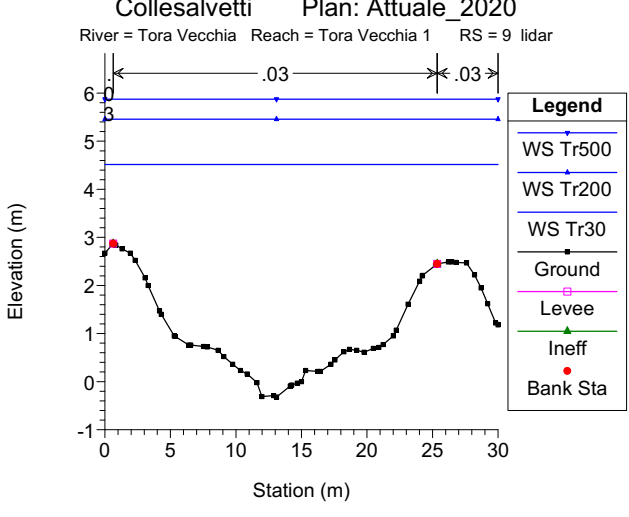
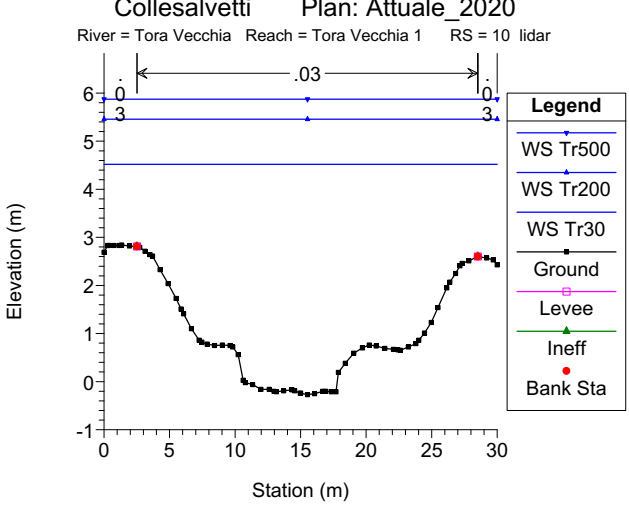
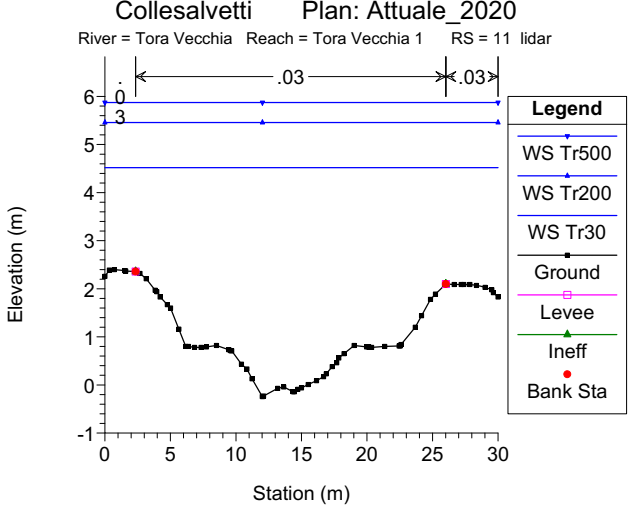
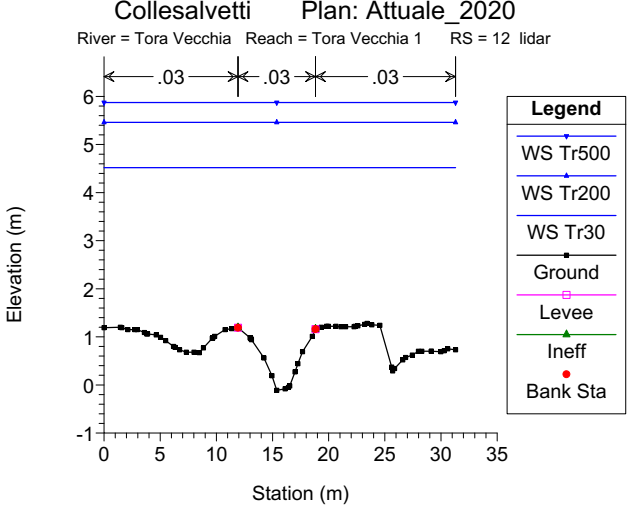
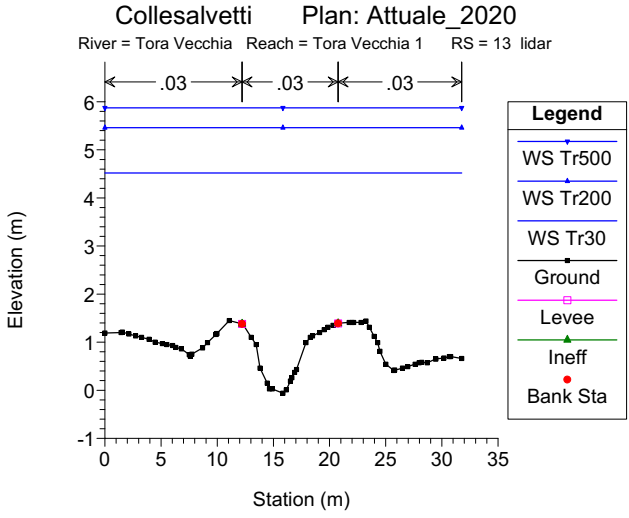
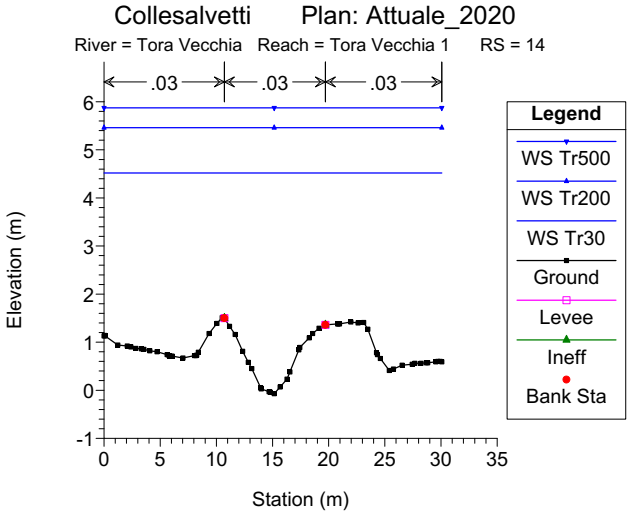
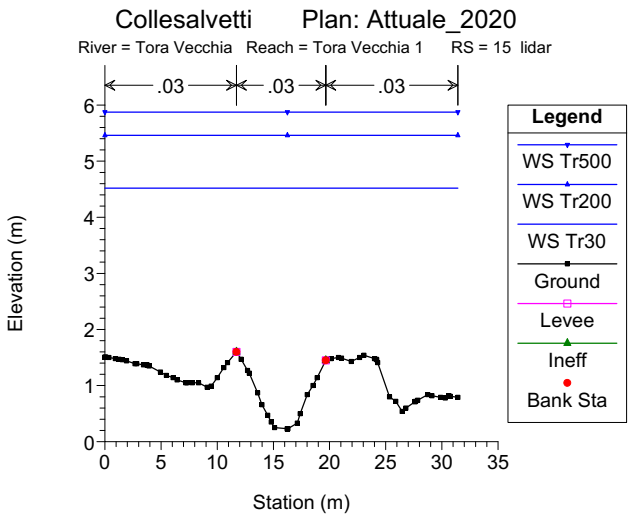
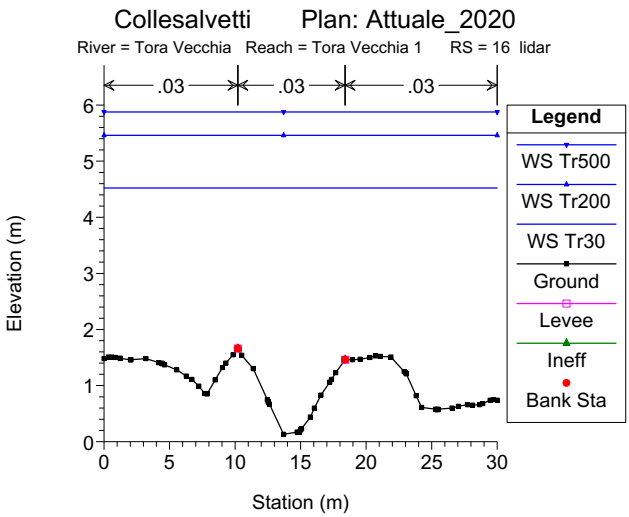


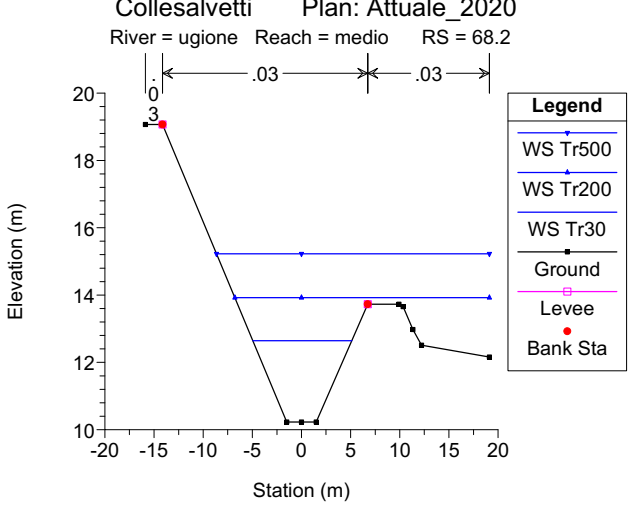
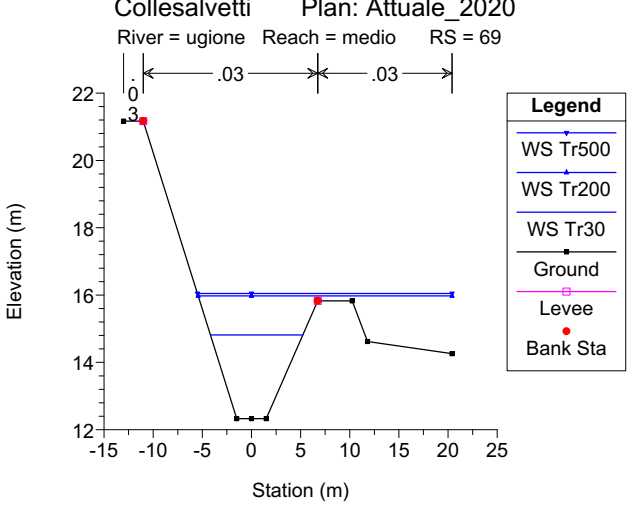
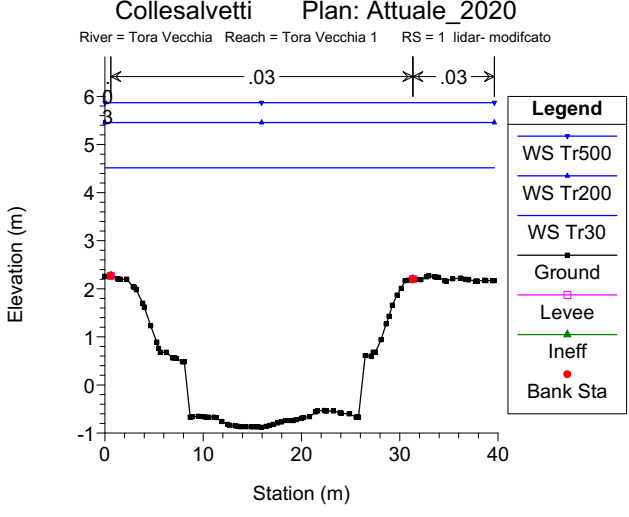
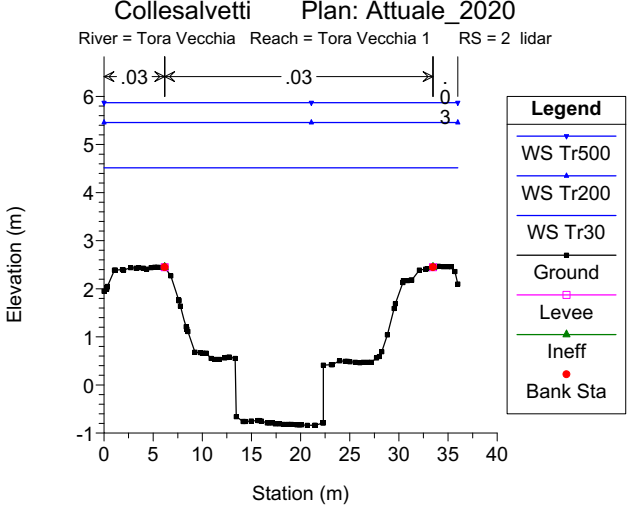
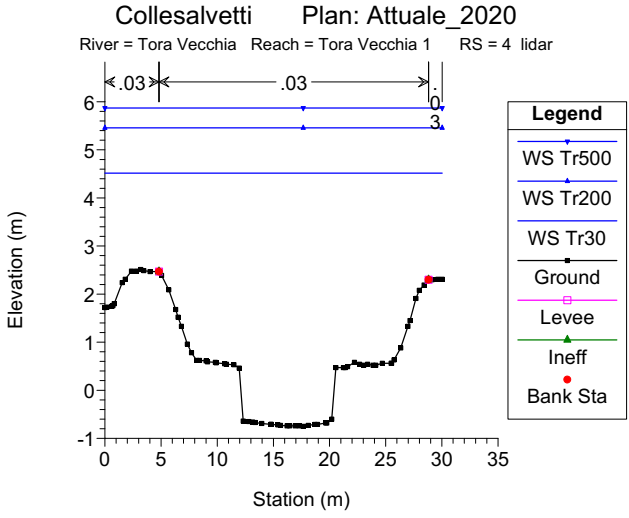
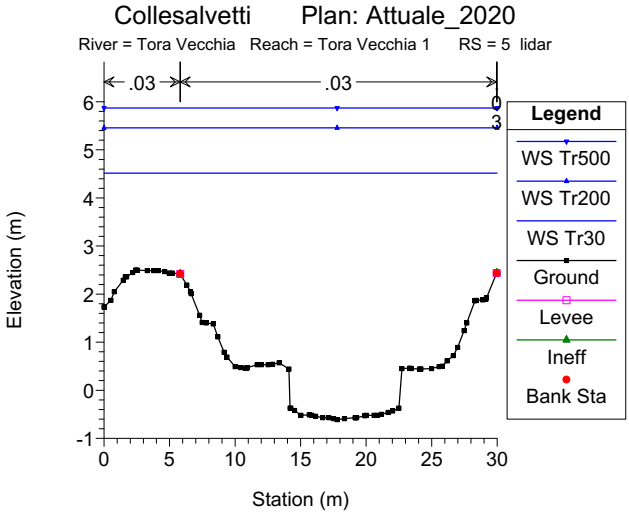
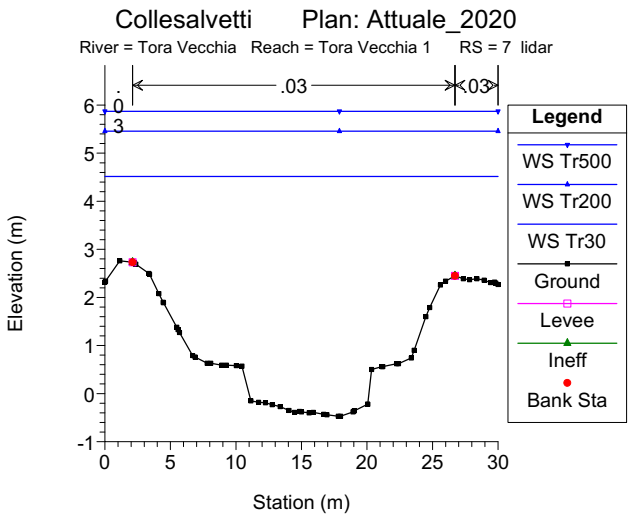
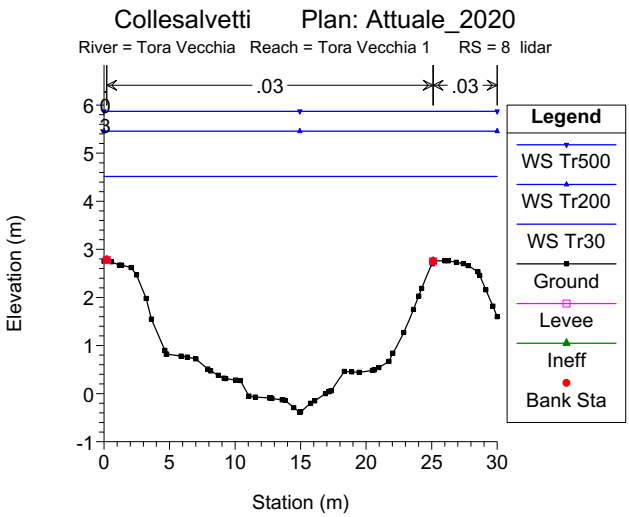


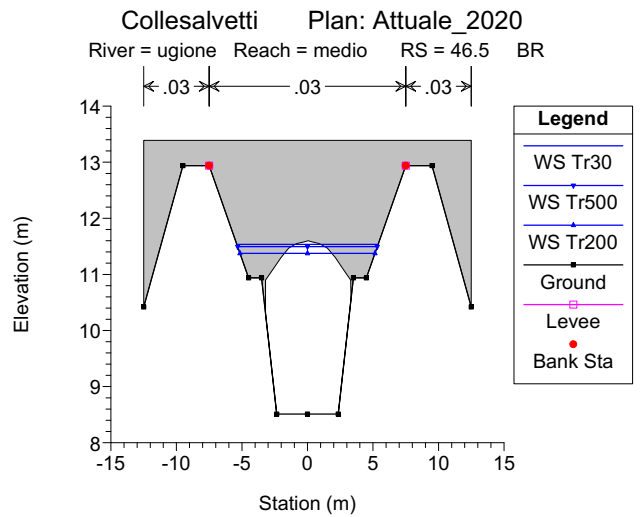
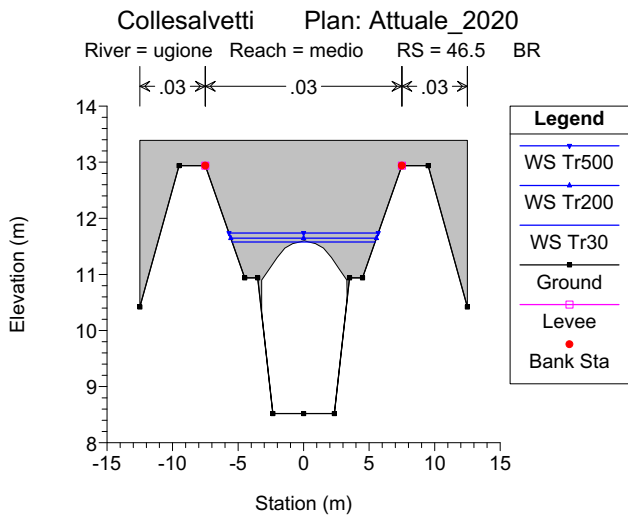
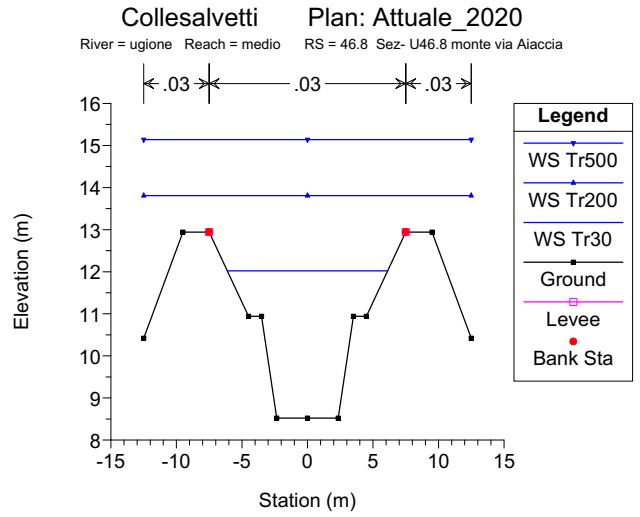
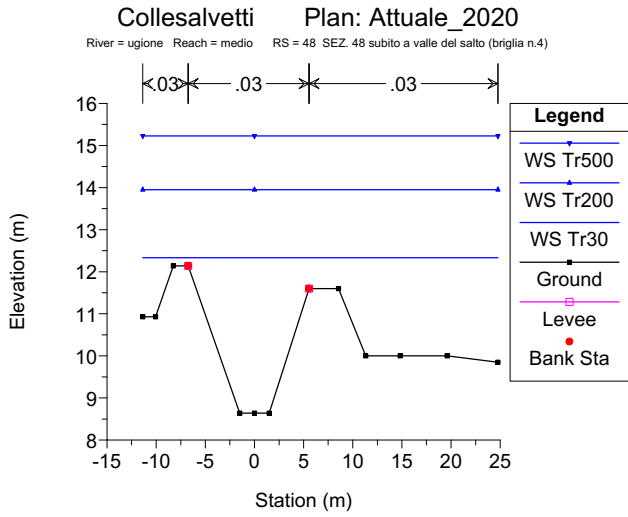
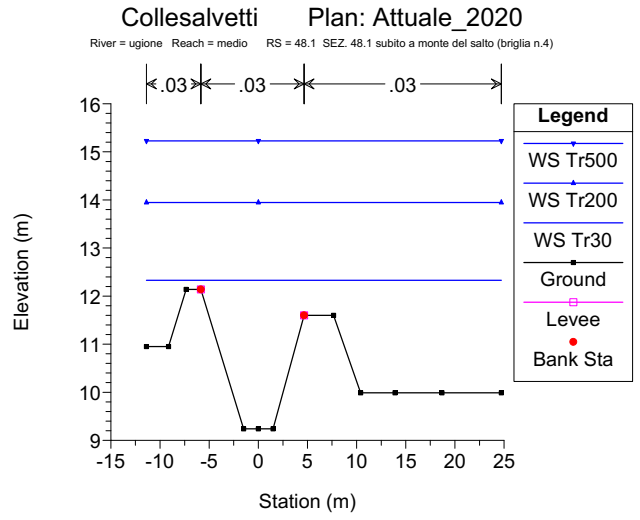
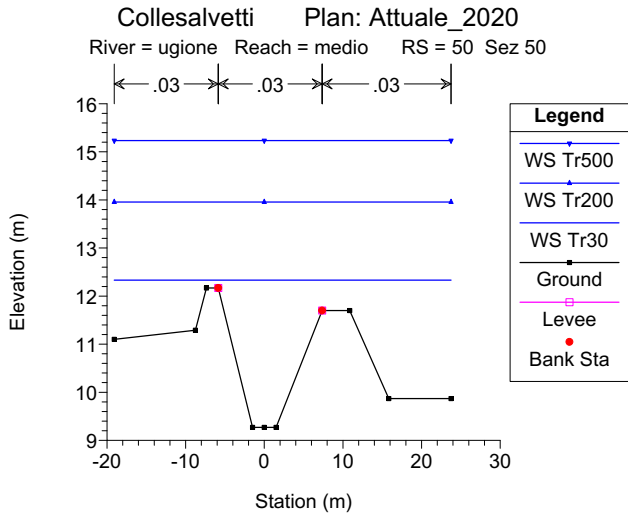
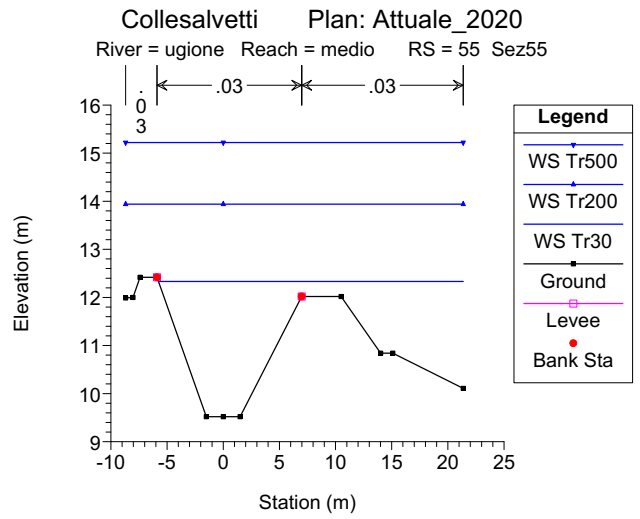
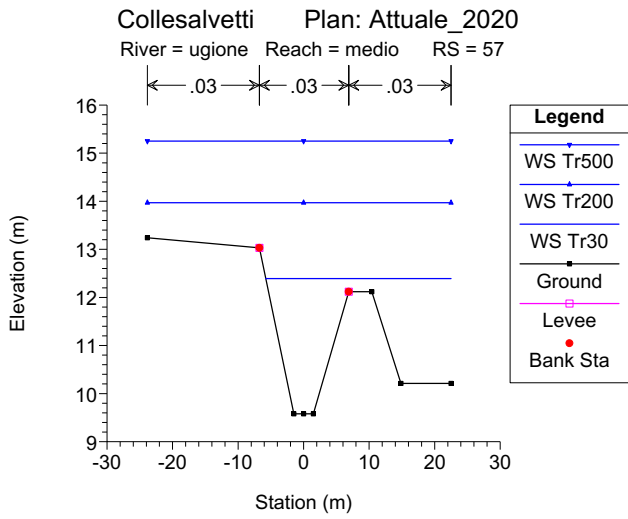


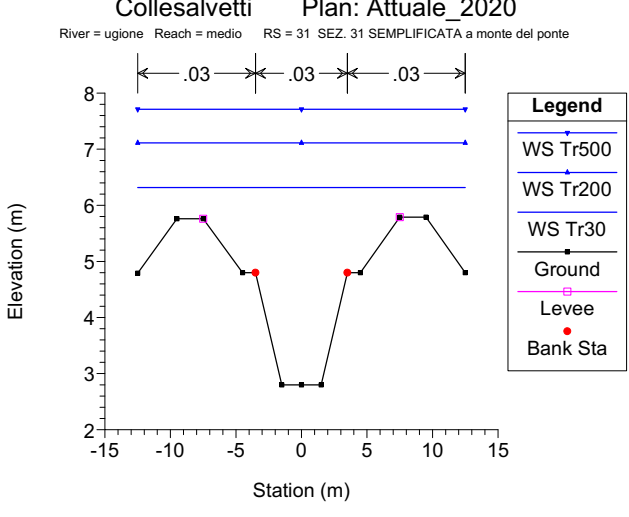
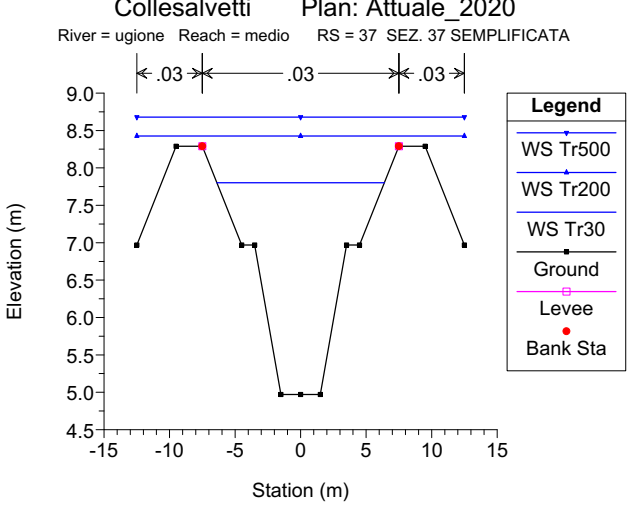
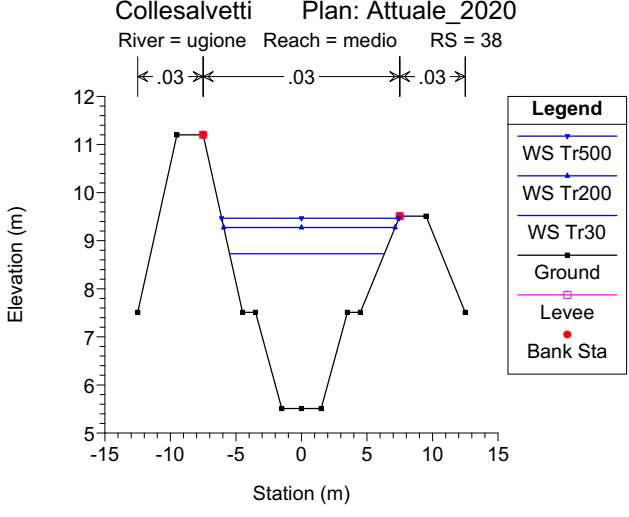
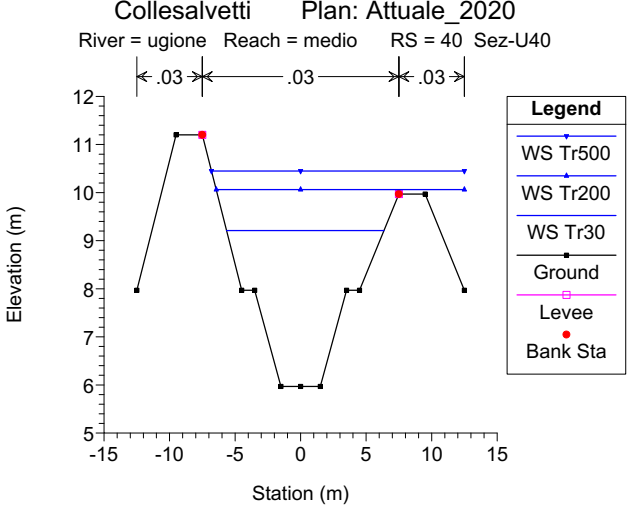
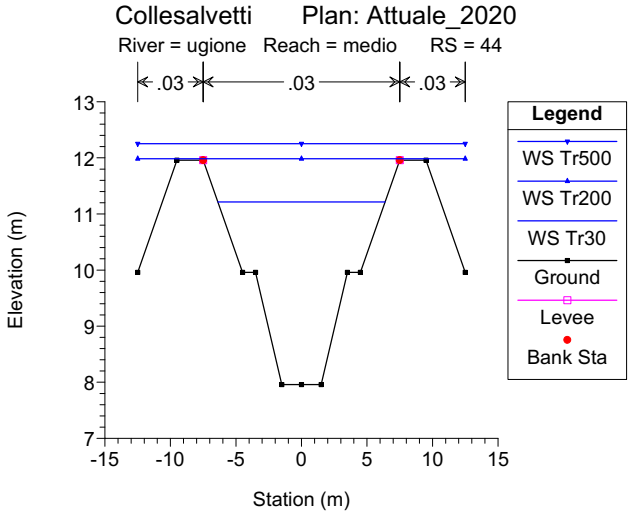
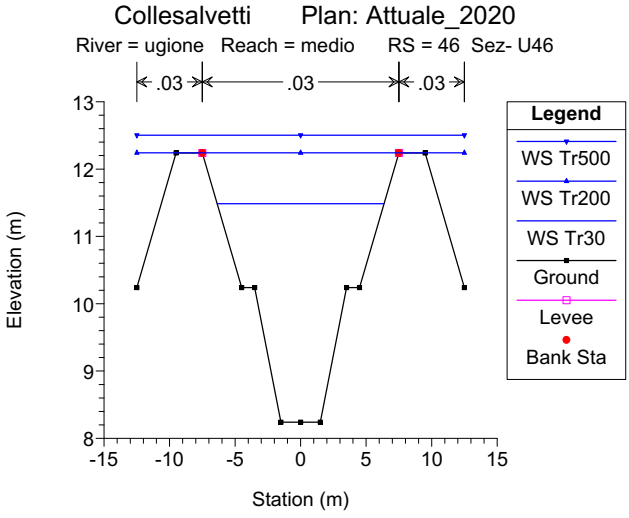
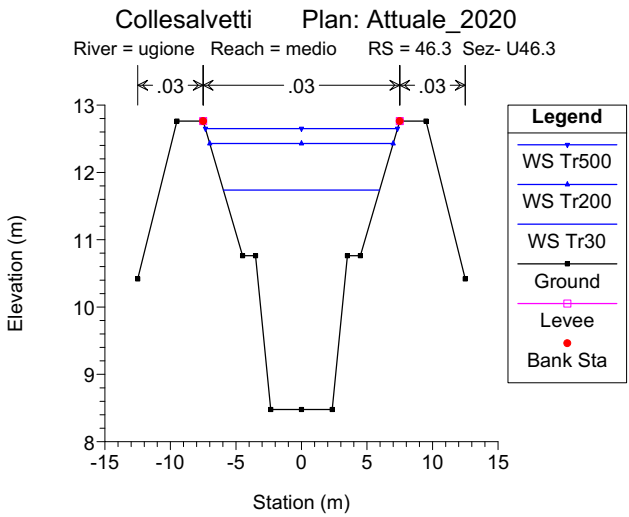
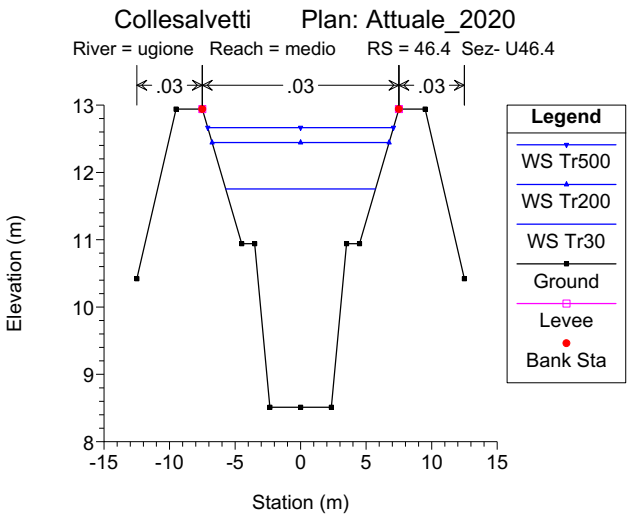






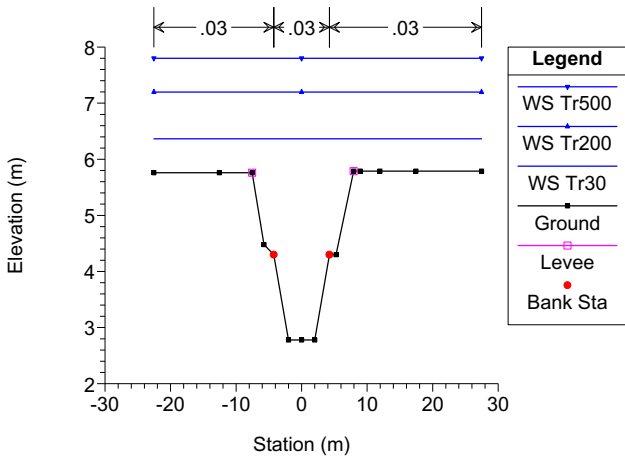






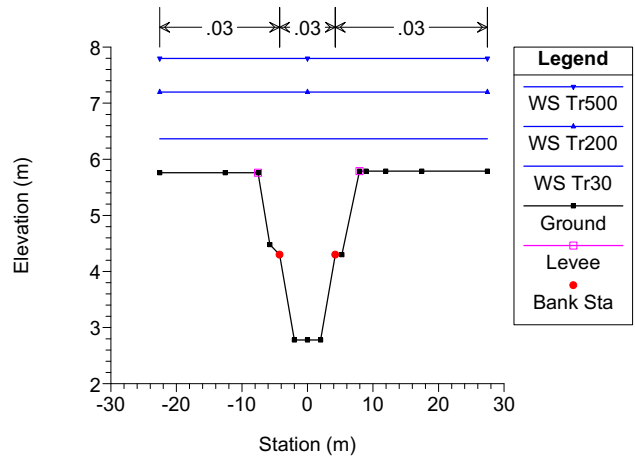
### Collesalvetti Plan: Attuale\_2020

River = ugone Reach = medio RS = 30.8 SEZ. 30.8 EFFETTIVA 2 m a monte del ponte



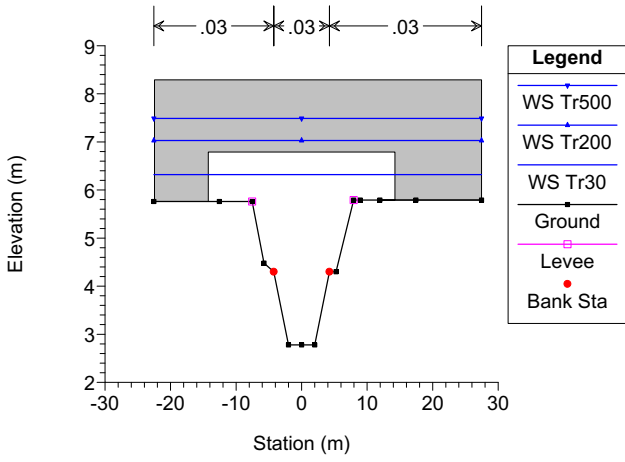
### Collesalvetti Plan: Attuale\_2020

River = ugone Reach = medio RS = 30.77 SEZ. 30.77 CREATA 0,1 m a monte del ponte



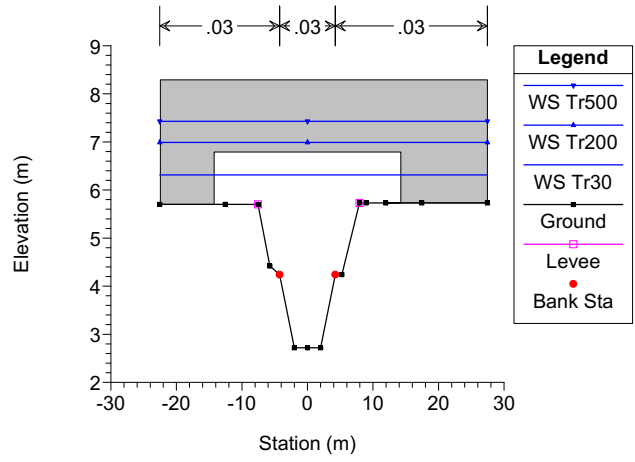
### Collesalvetti Plan: Attuale\_2020

River = ugone Reach = medio RS = 30.75 BR Ponte Variante



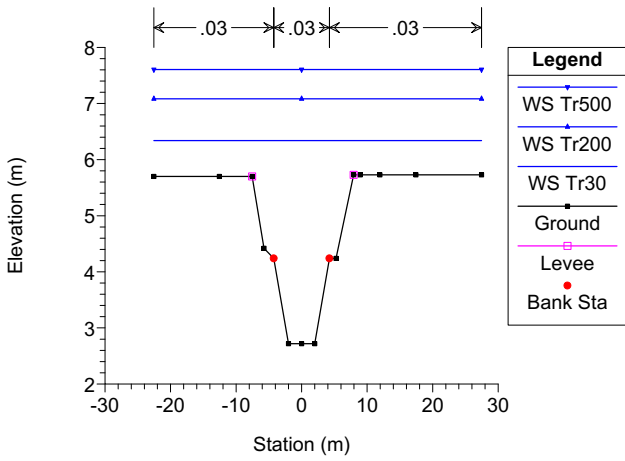
### Collesalvetti Plan: Attuale\_2020

River = ugone Reach = medio RS = 30.75 BR Ponte Variante



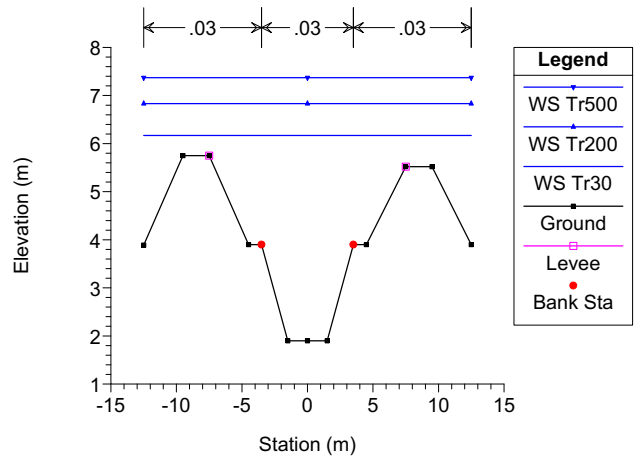
### Collesalvetti Plan: Attuale\_2020

River = ugone Reach = medio RS = 30.74 SEZ. 30.74 CREATA 0,1 m a valle del ponte



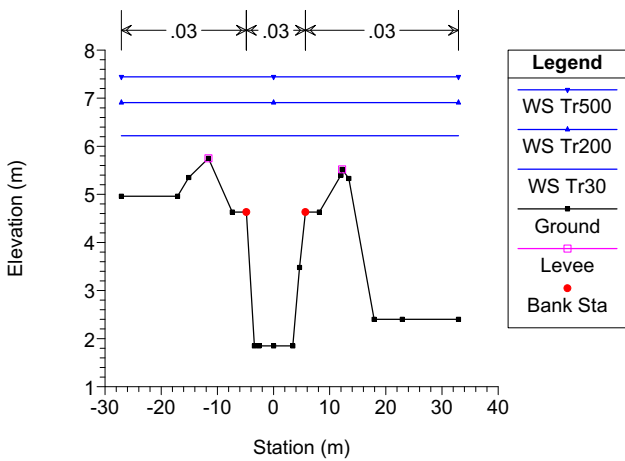
### Collesalvetti Plan: Attuale\_2020

River = ugone Reach = medio RS = 30.4 SEZ. 30.4 SEMPLIFICATA a monte immissione puzzolente



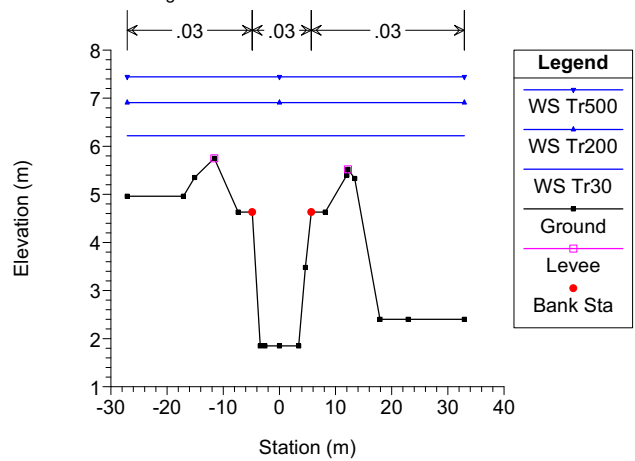
### Collesalvetti Plan: Attuale\_2020

River = ugone Reach = valle RS = 30 SEZ. 30 (sez. 25.1 rilievo Basilei) - quote assolute fondo ribas



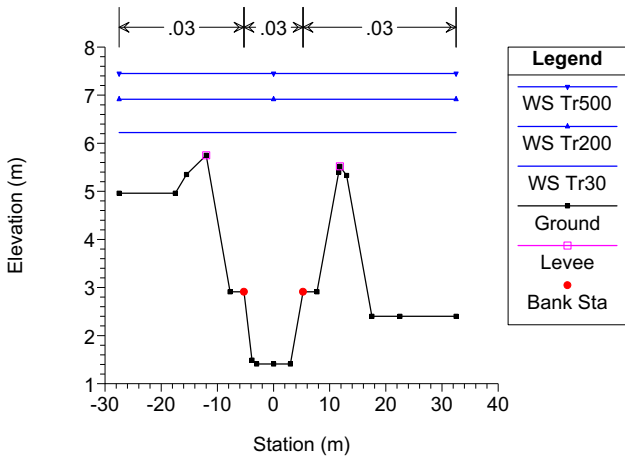
### Collesalvetti Plan: Attuale\_2020

River = ugone Reach = valle RS = 29 SEZ. 29 fittizia



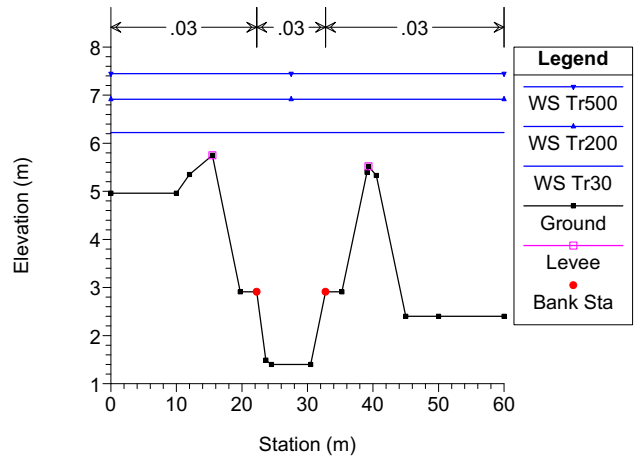
### Collesalvetti Plan: Attuale\_2020

River = ugone Reach = valle RS = 20 SEZ. 20 (sez. 25.5 rilievo basilei)



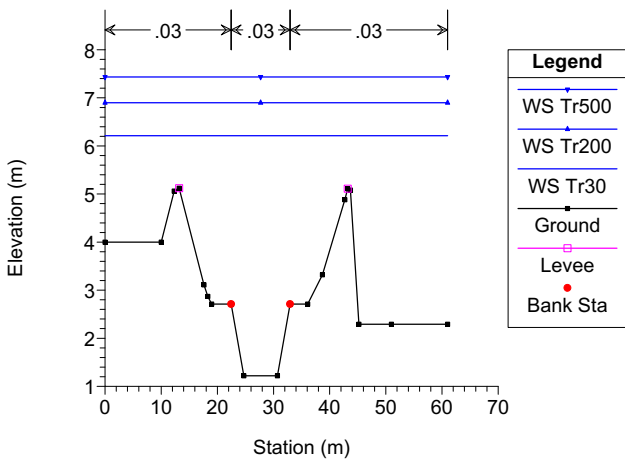
### Collesalvetti Plan: Attuale\_2020

River = ugone Reach = valle RS = 19.5 SEZ. 19.5 - sez. 25 rilievo Basilei - quote assolute (rif. cs. p



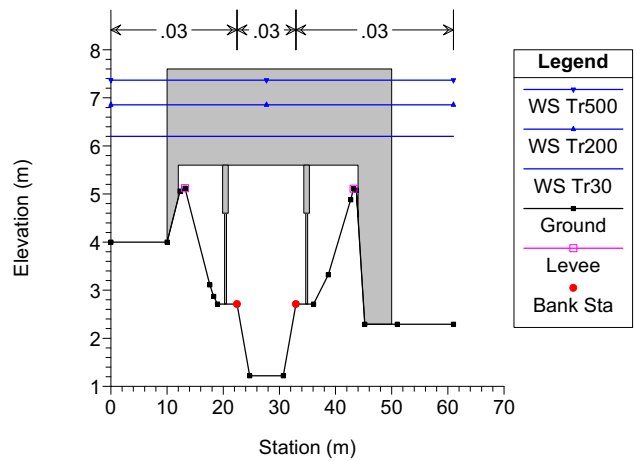
### Collesalvetti Plan: Attuale\_2020

River = ugone Reach = valle RS = 19 SEZ. 19 - sez. 23.6 rilievo Basilei - monte passerella tubazione



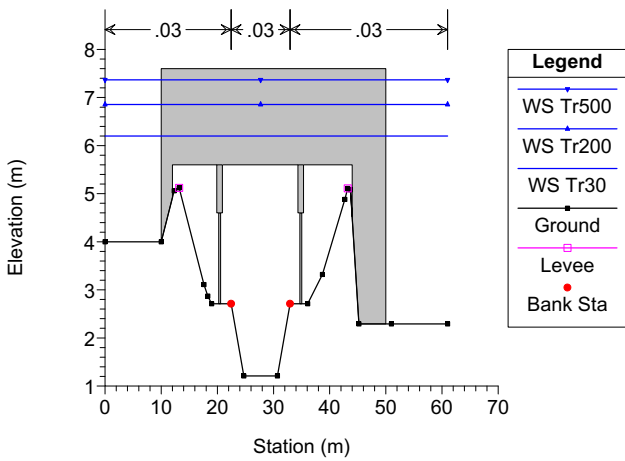
### Collesalvetti Plan: Attuale\_2020

River = ugone Reach = valle RS = 18.5 BR passerella tubazione acquedotto



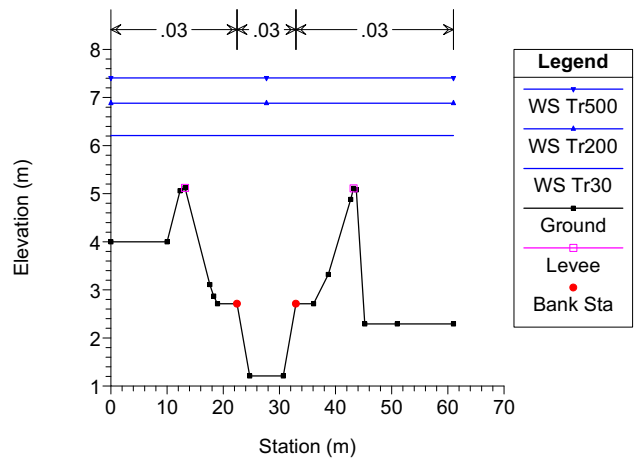
### Collesalvetti Plan: Attuale\_2020

River = ugone Reach = valle RS = 18.5 BR passerella tubazione acquedotto



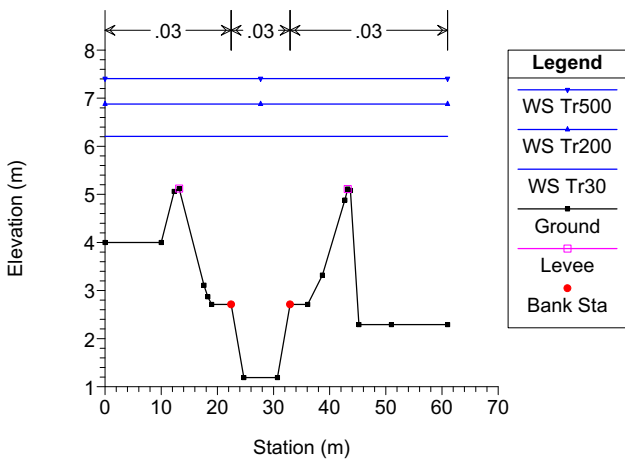
### Collesalvetti Plan: Attuale\_2020

River = ugone Reach = valle RS = 18 SEZ. 18 - sez. 23.2 rilievo Basilei - valle passerella tubazione



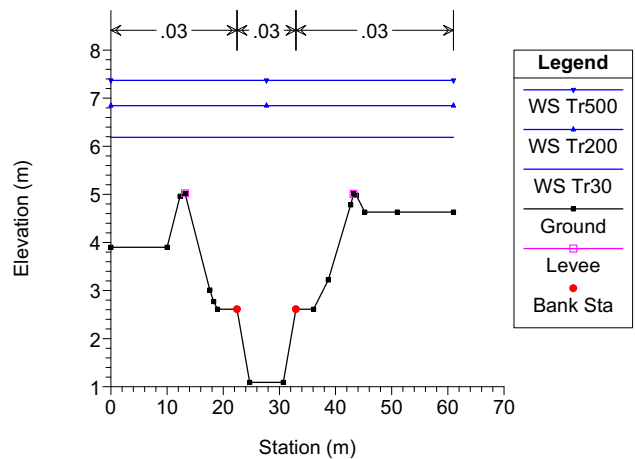
### Collesalvetti Plan: Attuale\_2020

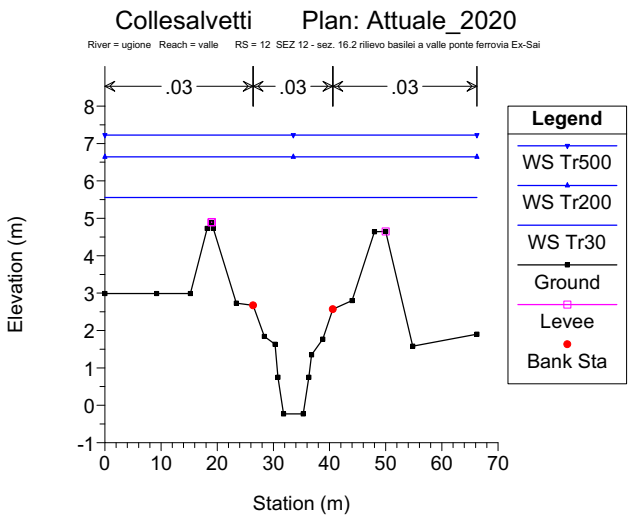
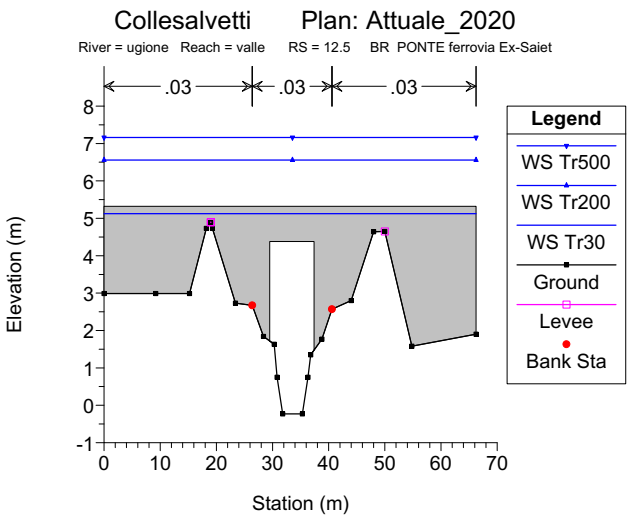
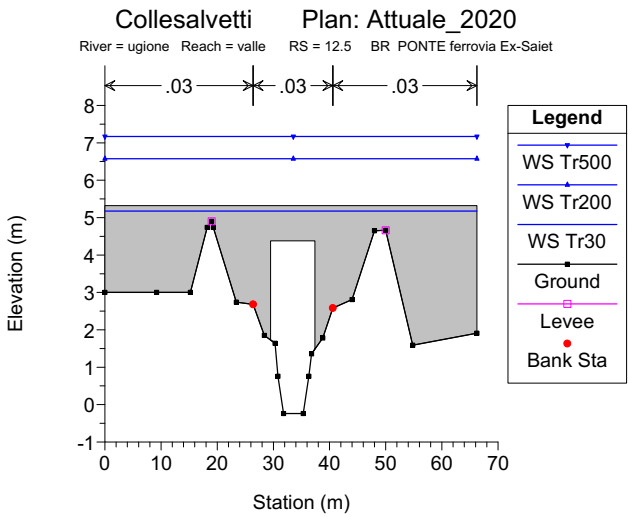
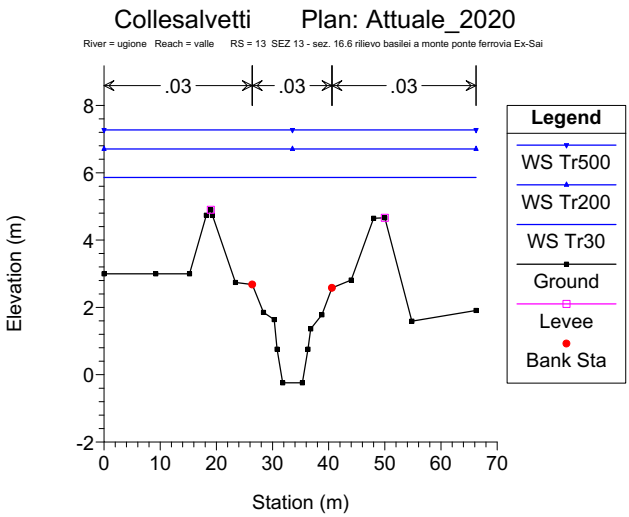
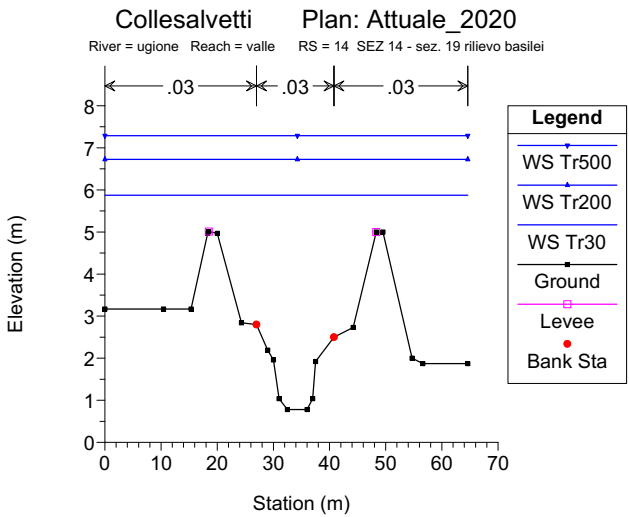
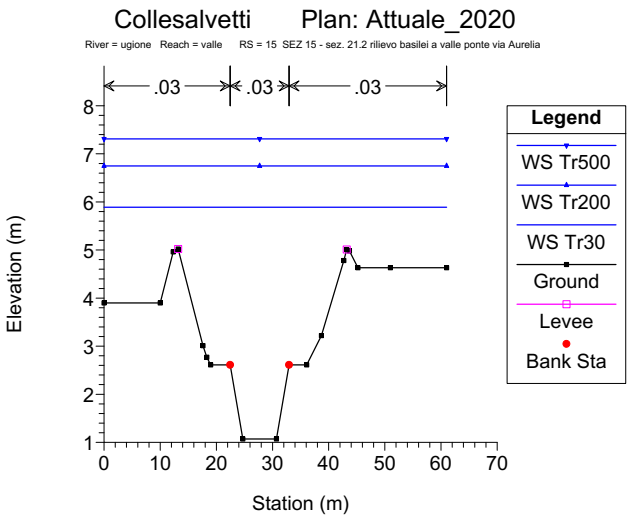
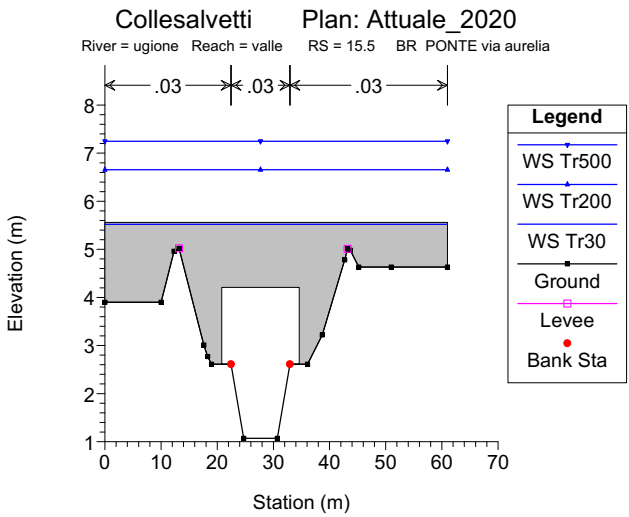
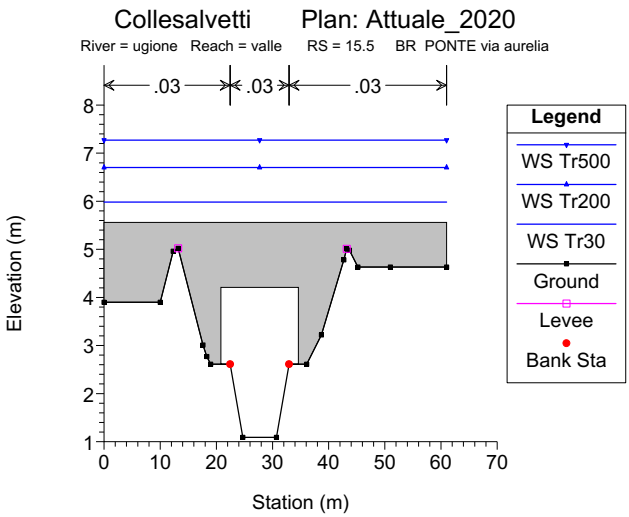
River = ugone Reach = valle RS = 17 SEZ 17 - sez. 23 rilievo basilei



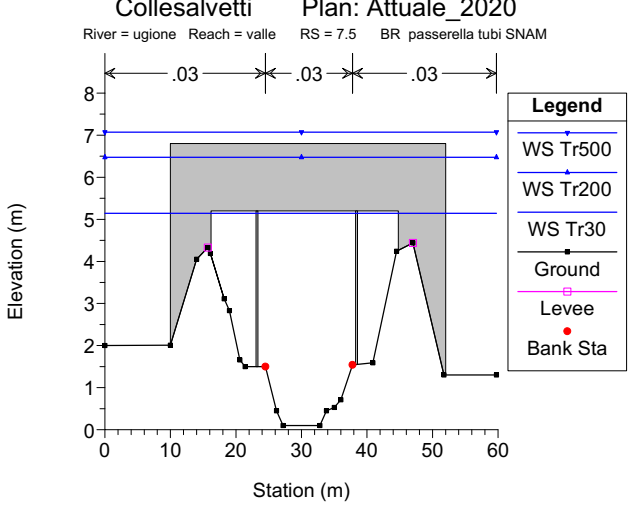
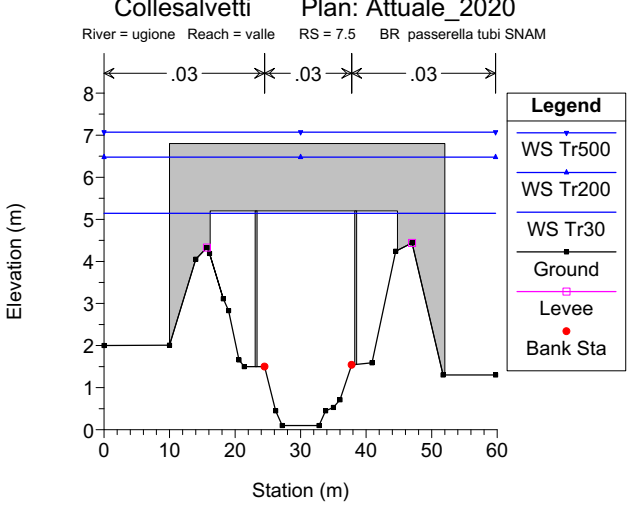
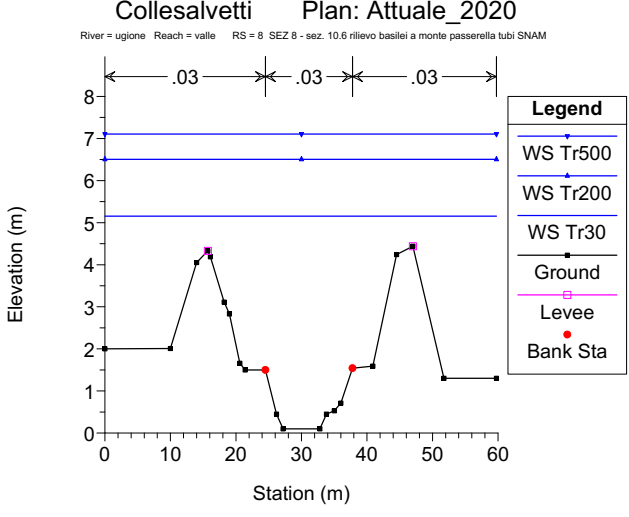
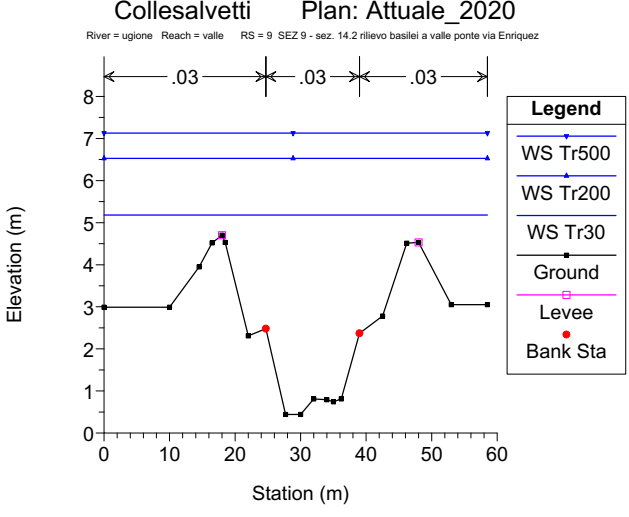
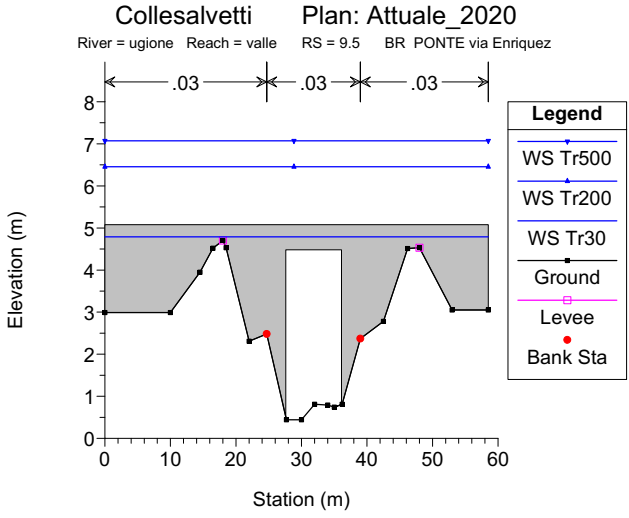
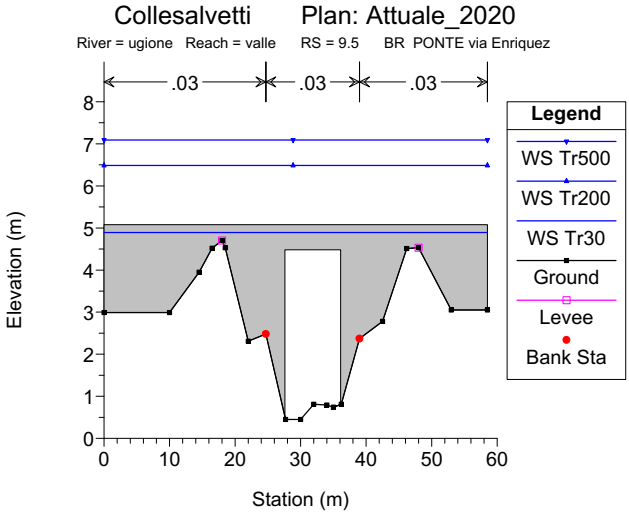
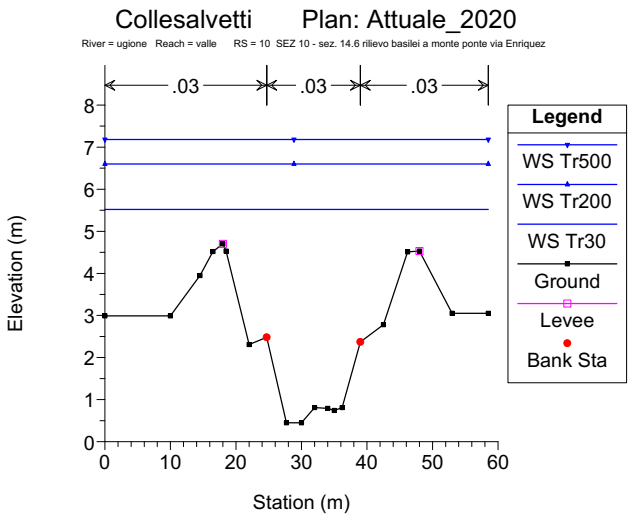
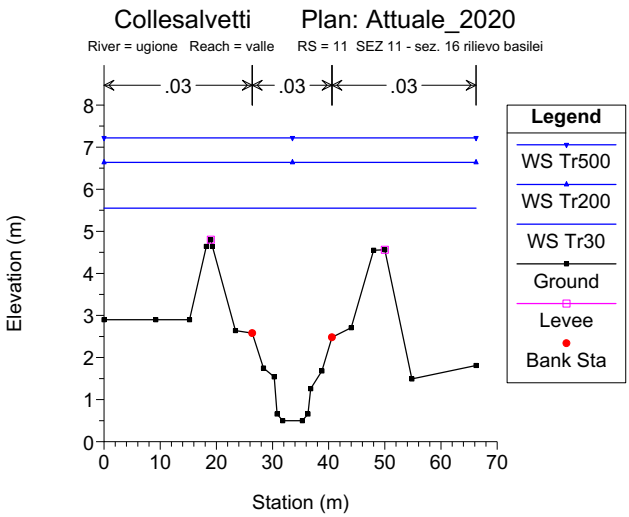
### Collesalvetti Plan: Attuale\_2020

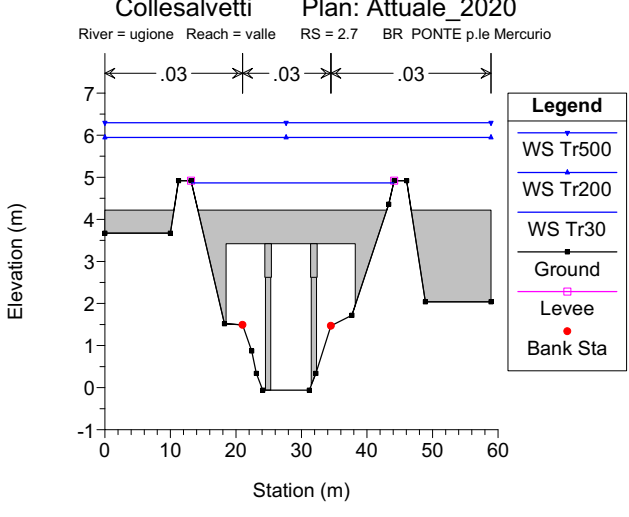
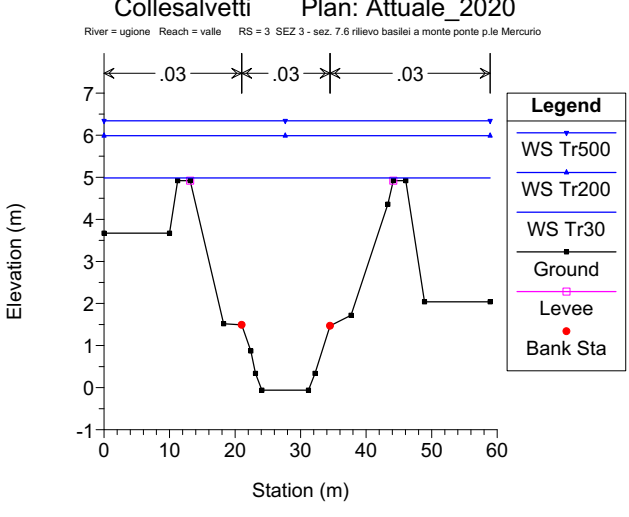
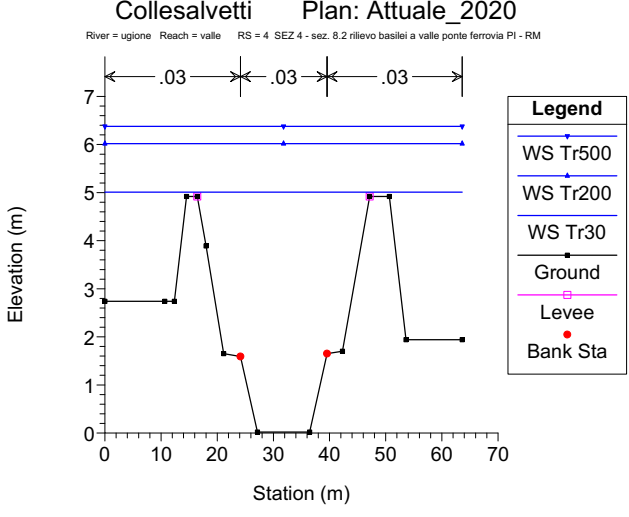
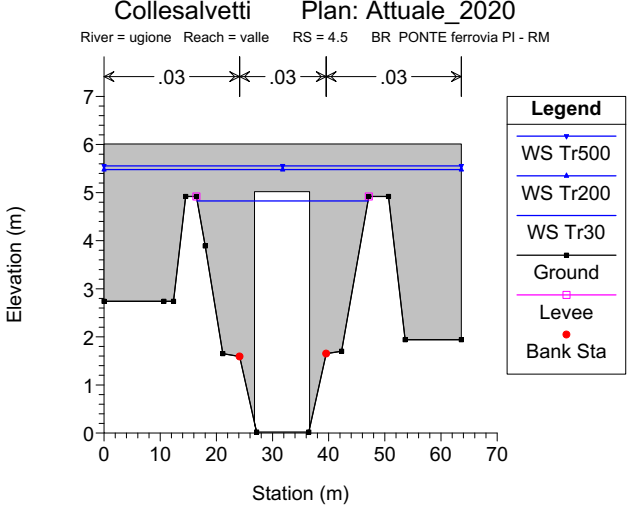
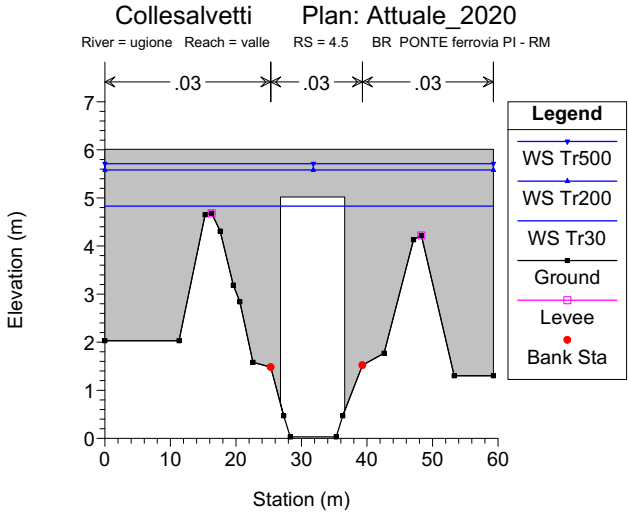
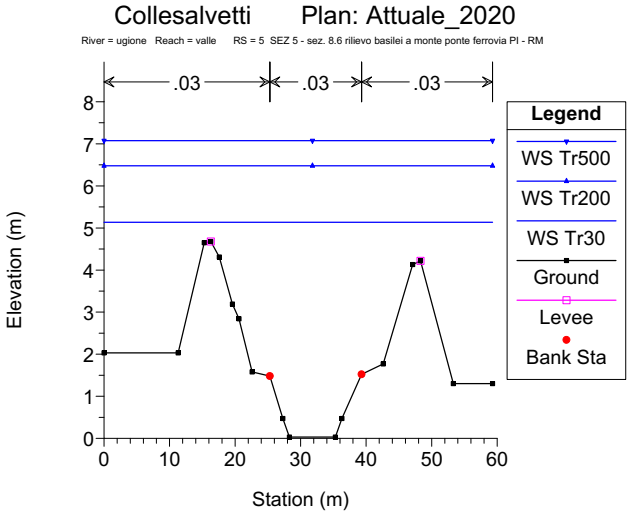
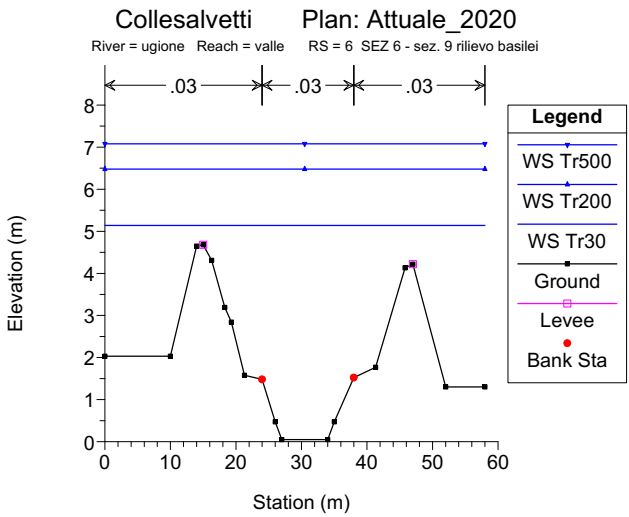
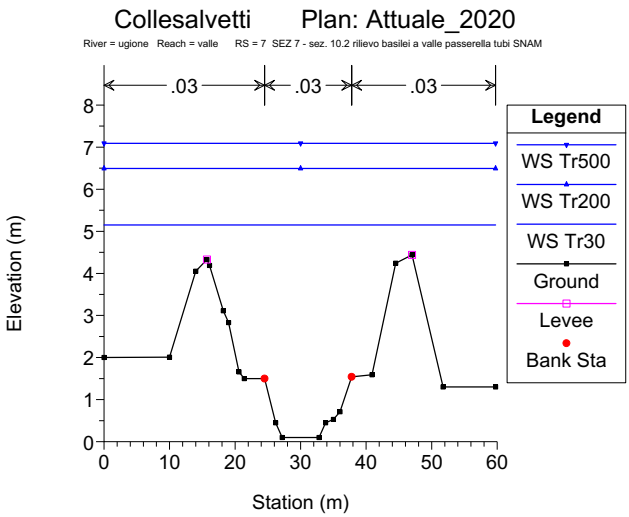
River = ugone Reach = valle RS = 16 SEZ 16 - sez. 22 rilievo basilei a monte ponte via Aurelia



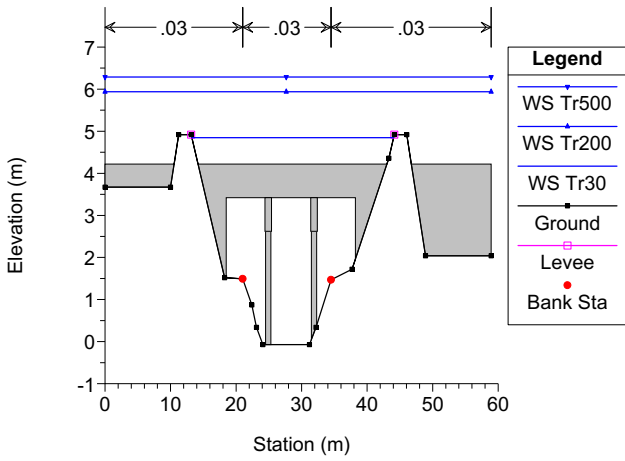




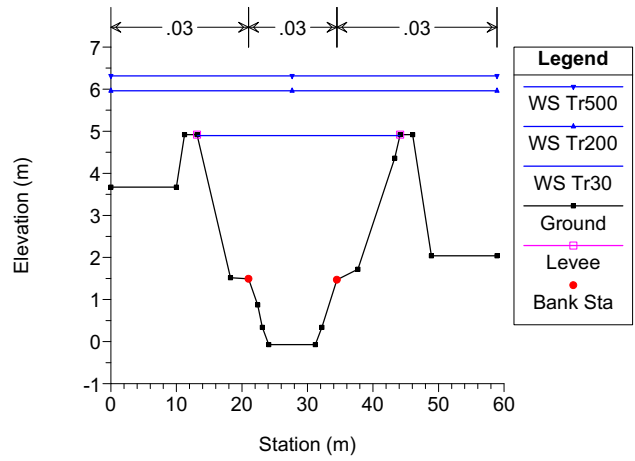




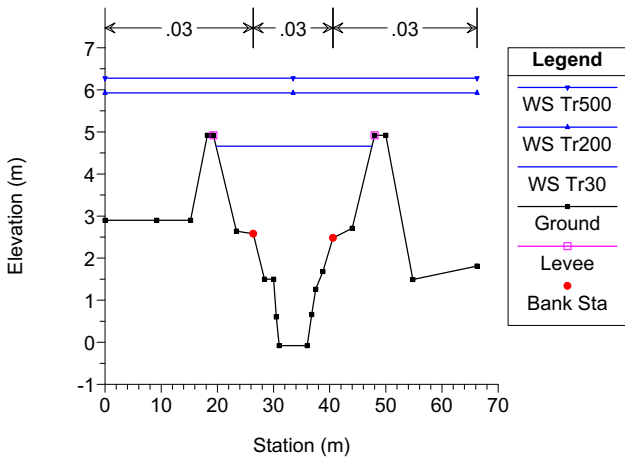
Collesalveti Plan: Attuale\_2020  
 River = ugone Reach = valle RS = 2.7 BR PONTE p.le Mercurio



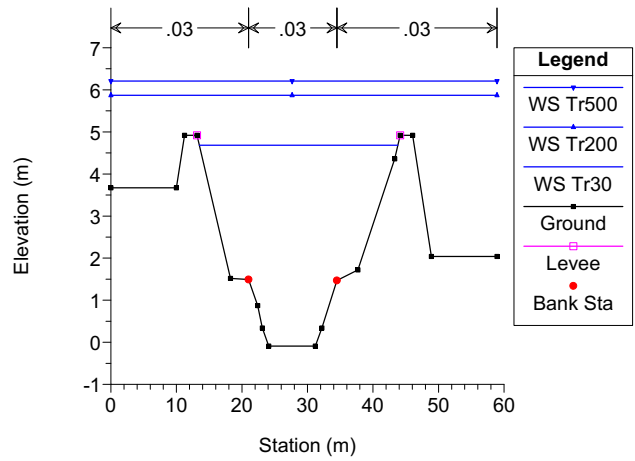
Collesalveti Plan: Attuale\_2020  
 River = ugone Reach = valle RS = 2.5 SEZ 2.5 - sez. 7 rilievo basilei a valle ponte p.le Mercurio



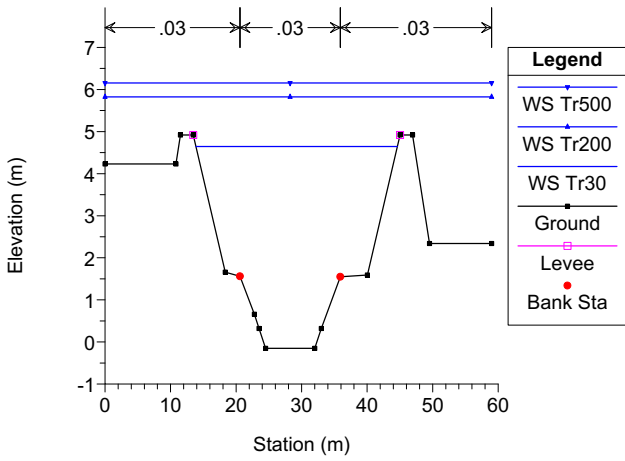
Collesalveti Plan: Attuale\_2020  
 River = ugone Reach = valle RS = 2.4 SEZ 2.4 - sez. 6.6 rilievo basilei



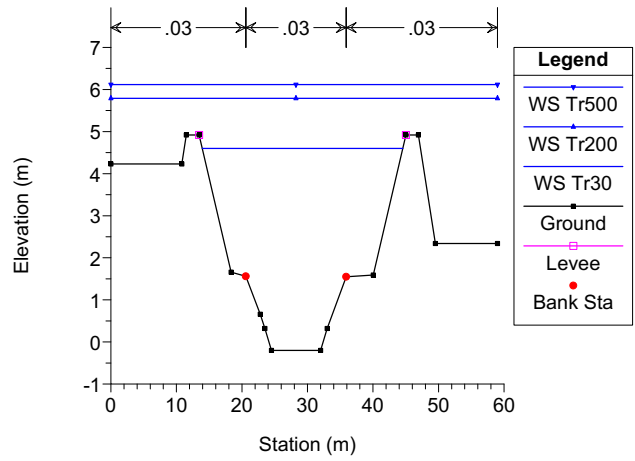
Collesalveti Plan: Attuale\_2020  
 River = ugone Reach = valle RS = 2.3 SEZ 2.3 - sez. 6 rilievo basilei



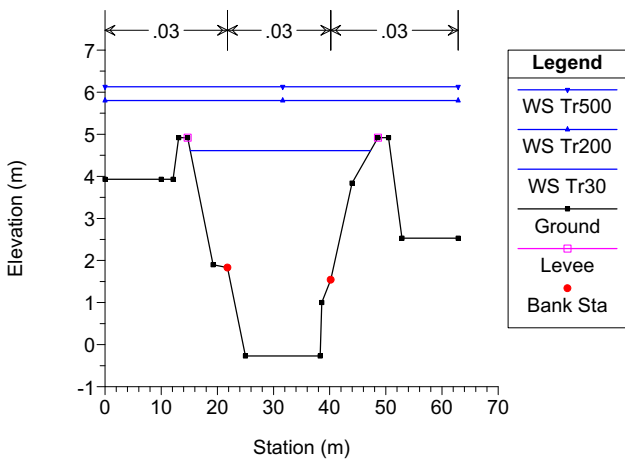
Collesalveti Plan: Attuale\_2020  
 River = ugone Reach = valle RS = 2.2 SEZ 2.2 - sez. 5 rilievo basilei



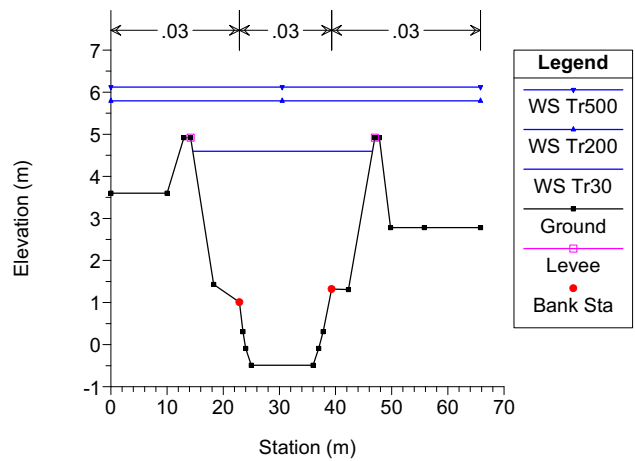
Collesalveti Plan: Attuale\_2020  
 River = ugone Reach = valle RS = 2.1 SEZ 2.1 - sez. 4.5 rilievo basilei a monte della confluenza del

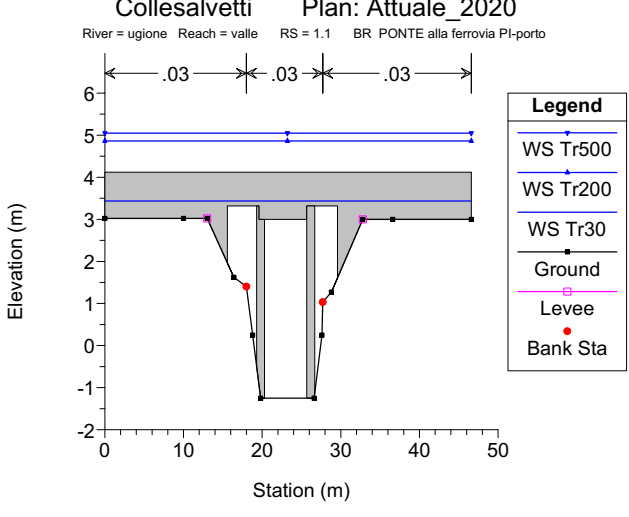
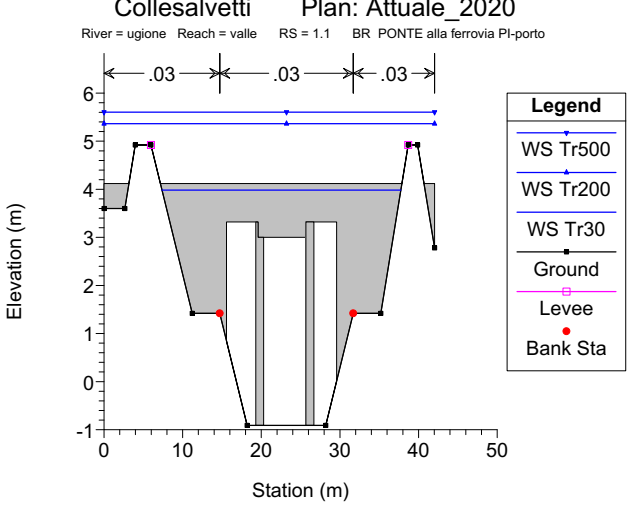
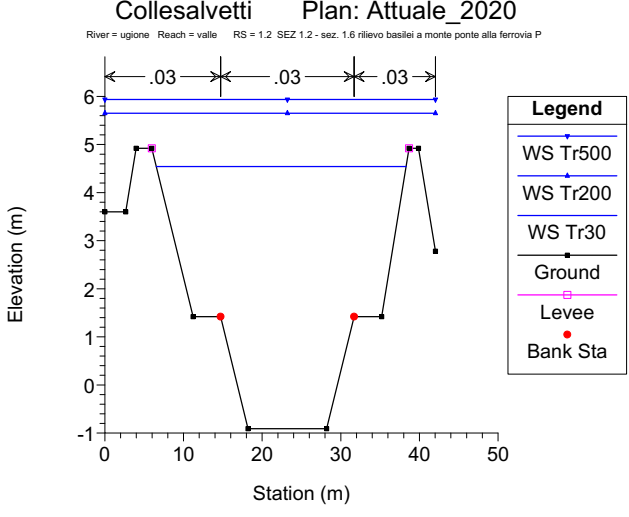
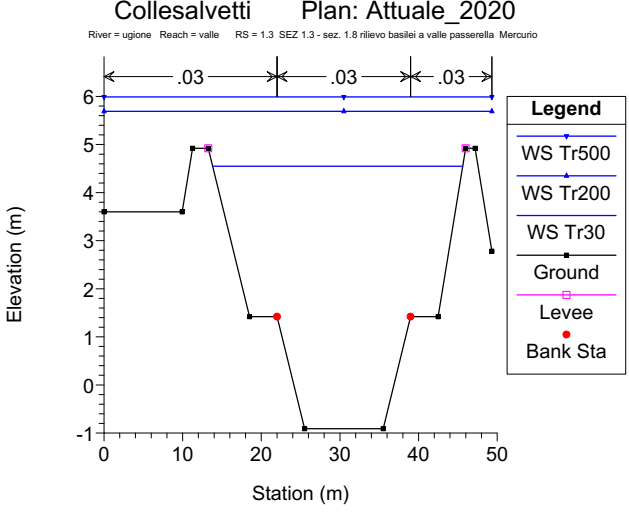
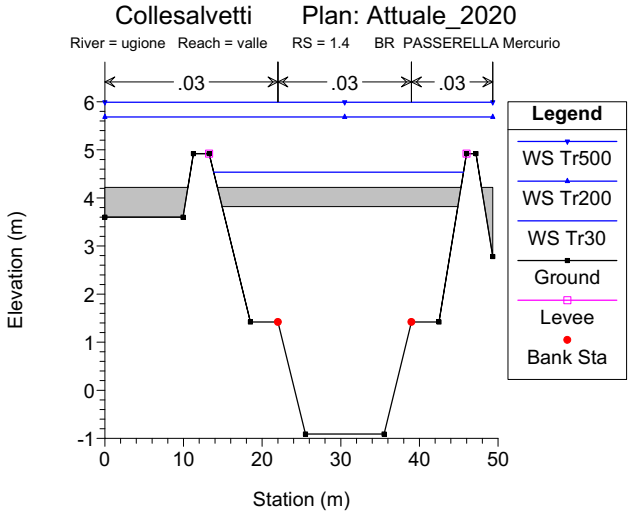
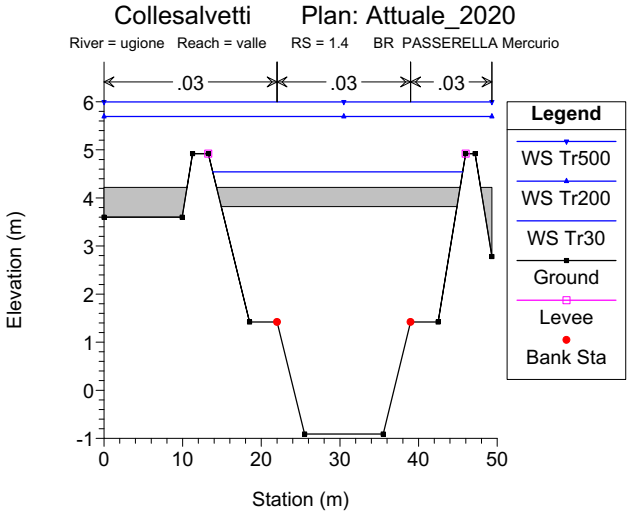
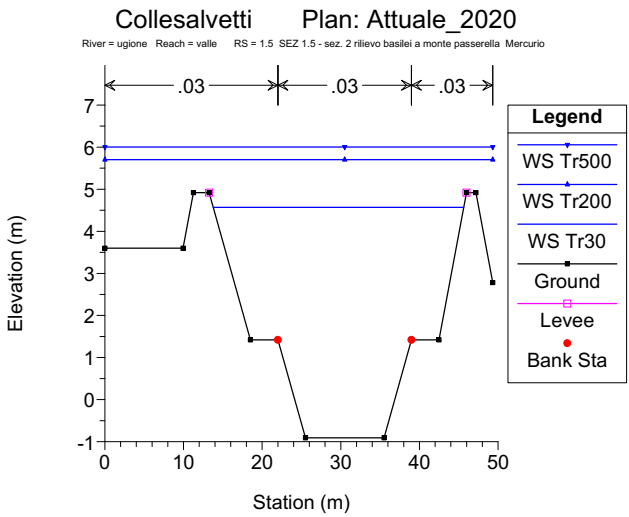
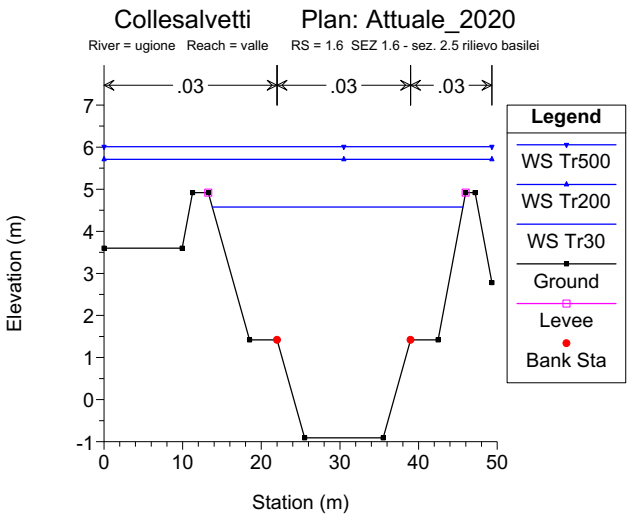


Collesalveti Plan: Attuale\_2020  
 River = ugone Reach = valle RS = 2 SEZ 2 - sez. 4 rilievo basilei a valle della confluenza del



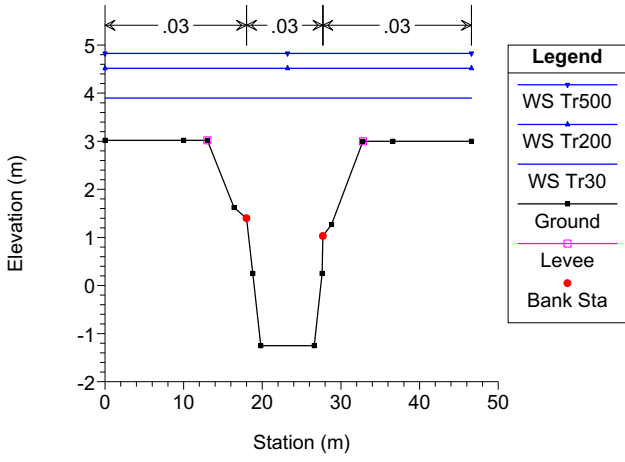
Collesalveti Plan: Attuale\_2020  
 River = ugone Reach = valle RS = 1.8 SEZ 1.8 - sez. 3 rilievo basilei





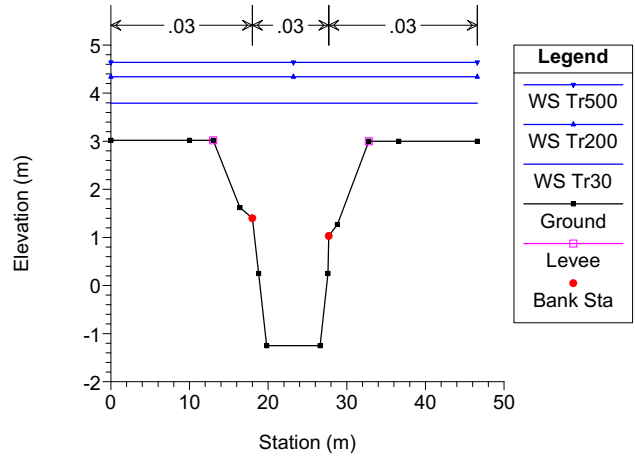
Collesalvetti Plan: Attuale\_2020

River = ugone Reach = valle RS = 1 SEZ 1 - sez. 1.2 rilievo basilei a valle ponte alla ferrovia PI-



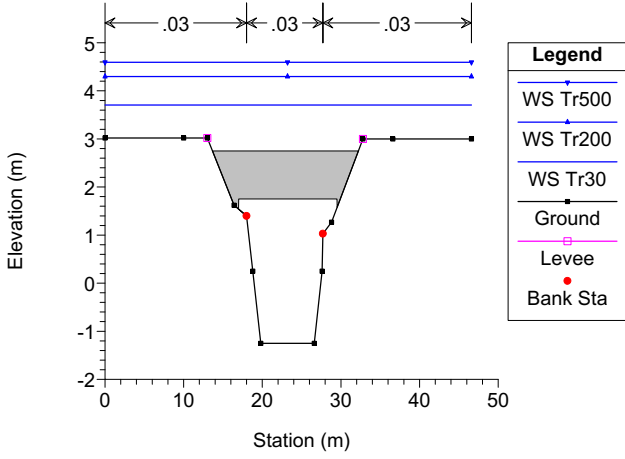
Collesalvetti Plan: Attuale\_2020

River = ugone Reach = valle RS = 0.8 SEZ 0.8 - sez. 0.6 rilievo basilei a monte Ponte via L. da Vinci



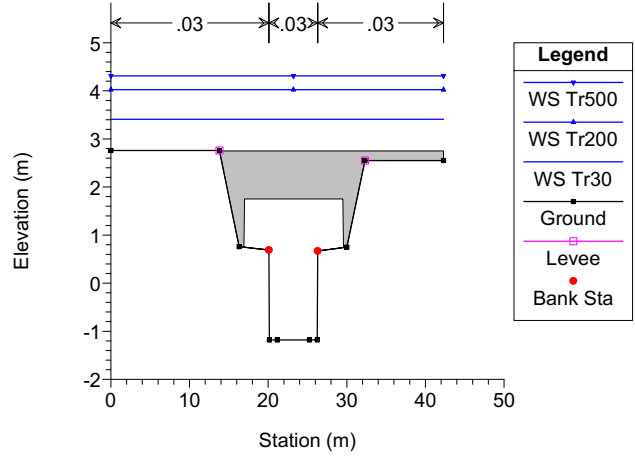
Collesalvetti Plan: Attuale\_2020

River = ugone Reach = valle RS = 0.7 BR PONTE via L. da Vinci



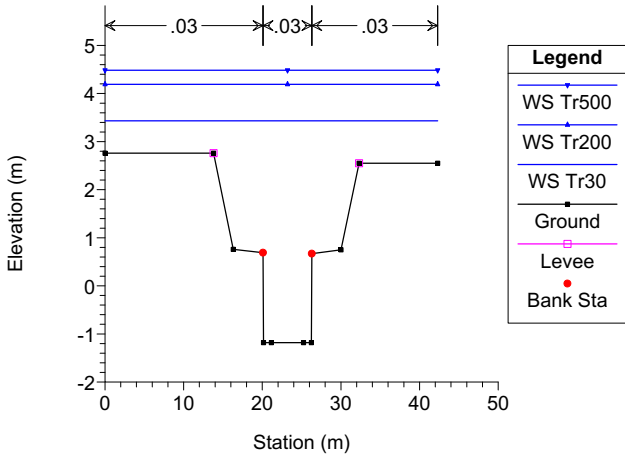
Collesalvetti Plan: Attuale\_2020

River = ugone Reach = valle RS = 0.7 BR PONTE via L. da Vinci



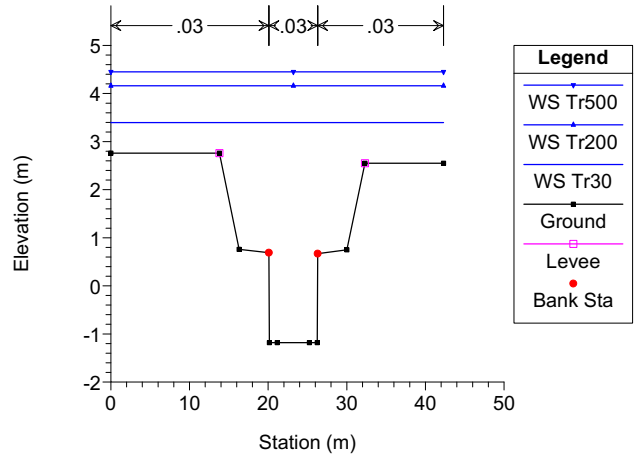
Collesalvetti Plan: Attuale\_2020

River = ugone Reach = valle RS = 0.6 SEZ 0.6 - sez. 0.2 rilievo basilei a valle Ponte via L. da Vinci



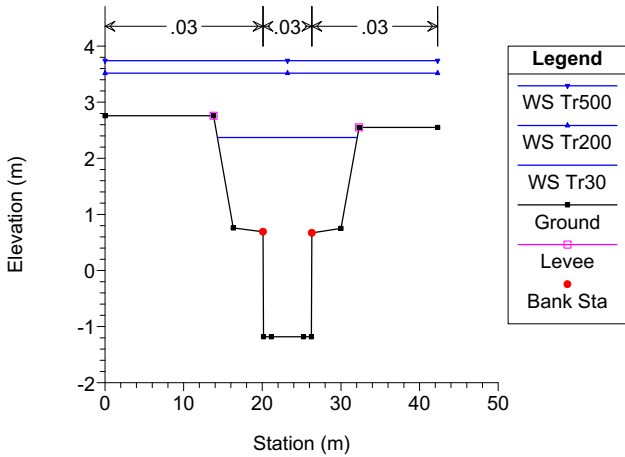
Collesalvetti Plan: Attuale\_2020

River = ugone Reach = valle RS = 0.5 SEZ 0.5 - sez. 0.1 rilievo basilei



Collesalvetti Plan: Attuale\_2020

River = ugone Reach = valle RS = 0 SEZ 0 - sez. 0 basilei sbocco in darsena



HEC-RAS Output Variables	
Variable Name	Description
# Barrels	Number of barrels in a culvert.
Alpha	Alpha - energy weighting coefficient.
Area	Flow area of the entire cross section including ineffective flow.
Area Channel	Flow area of the main channel including ineffective flow.
Area Left	Flow area of the left overbank including ineffective flow.
Area Right	Flow area of the right overbank including ineffective flow.
Base WS	Water surface for first profile (used in comparison to encroachment profiles).
Beta	Beta - momentum weighting coefficient.
BR Open Area	Total area of the entire bridge opening.
BR Open Vel	Average velocity inside the bridge opening (Maximum of BU and BD).
Br Sel Mthd	Selected bridge hydraulic modeling method.
Breach CL	Center line of weir breach.
Breach WD	Bottom width of weir breach.
Breach Bottom EI	Bottom Elevation of weir breach.
Breach Top EI	Top Elevation of weir breach.
Breach SSL	Left side slope of weir breach.
Breach SSR	Right side slope of weir breach.
C & E Loss	Contraction or expansion loss between two cross sections.
Center Station	Stationing of the center of the main channel.
Ch Sta L	Left station of main channel.
Ch Sta R	Right station of main channel.
Civ EG No Wr	Energy grade elevation at the culvert when calculated without the weir.
Coef of Q	WSPRO bridge method coefficient of discharge.
Conv. Chnl	Conveyance of main channel.
Conv. Left	Conveyance of left overbank.
Conv. Ratio	Ratio of the conveyance of the current cross section to the conveyance of the downstream cross section.
Conv. Right	Conveyance of right overbank.
Conv. Total	Conveyance of total cross section.
Crit Depth	Critical depth. Corresponds to critical water surface.
Crit E.G.	Critical energy elevation. Minimum energy on the energy versus depth curve.
Crit Enrgy 1	Energy associated with first critical depth.
Crit Enrgy 2	Energy associated with second critical depth.
Crit Enrgy 3	Energy associated with third critical depth.
Crit Num	Number of critical depths found.
Crit W.S.	Critical water surface elevation. Water surface corresponding to the minimum energy on the energy versus depth curve.
Crit W.S. 1	Water surface elevation of first critical depth.
Crit W.S. 2	Water surface elevation of second critical depth.
Crit W.S. 3	Water surface elevation of third critical depth.
Culv Crt Depth	Critical depth inside the culvert.
Culv Depth Blocked	Depth of fill in a culvert.
Culv EG In	Energy gradeline inside the culvert at the inlet.
Culv EG Out	Energy gradeline inside the culvert at the outlet.
Culv Ent Lss	Culvert entrance loss (energy loss due only to entrance).
Culv Ext Lss	Culvert exit loss (energy loss due to exit).
Culv Frctn Ls	Friction loss through the culvert barrel.
Culv Ful Lngth	The length that the culvert flows full.
Culv Inlet Mann n	The composite n value at the culvert inlet.
Culv Inv EI Dn	Culvert inside invert elevation downstream.
Culv Inv EI Up	Culvert inside invert elevation upstream.
Culv Length	Length of the culvert barrel.
Culv Nml Depth	Normal depth for this culvert (and flow).
Culv Outlet Mann n	The composite n value at the culvert outlet.
Culv Q	Flow through all barrels in a culvert group.
Culv Vel DS	Velocity inside of culvert at inlet.
Culv Vel US	Velocity inside of culvert at outlet.
Culv WS In	Water surface elevation inside the culvert at the inlet.
Culv WS Out	Water surface elevation inside the culvert at the outlet.
Cum Ch Len	Cumulative Channel Length.
Deck Width	Width of bridge/culvert Deck (top of embankment), in direction of flow.
Delta EG	Change in energy grade line through culvert(s) and bridge(s).
Delta WS	Change in water surface through culvert(s) and bridge(s).

<b>Dist Center L</b>	Distance from center of channel to left encroachment.
<b>Dist Center R</b>	Distance from center of channel to right encroachment.
<b>E.G. DS</b>	Energy grade elevation at downstream end of bridge or culvert.
<b>E.G. Elev</b>	Energy gradeline for calculated WS Elev.
<b>E.G. IC</b>	Upstream energy gradeline at culvert based on inlet control.
<b>E.G. OC</b>	Upstream energy gradeline at culvert based on outlet control.
<b>E.G. Slope</b>	Slope of the energy grade line.
<b>E.G. US.</b>	Energy grade elevation at upstream end of bridge or culvert (final answer).
<b>Enc Method</b>	Encroachment method used at this cross section.
<b>Enc Sta L</b>	Left station of encroachment.
<b>Enc Sta R</b>	Right station of encroachment.
<b>Enc Val 1</b>	Target for encroachment analysis.
<b>Enc Val 2</b>	Second target for encroachment analysis.
<b>Encr WD</b>	Top width between encroachments.
<b>Energy EG</b>	Energy grade elevation upstream of bridge for energy only method.
<b>Energy WS</b>	Water surface elevation upstream of bridge for energy only method.
<b>Energy/Wr EG</b>	Energy grade elevation upstream of bridge for low energy and weir method.
<b>Energy/Wr WS</b>	Water surface elevation upstream of bridge for low flow energy method and weir flow.
<b>Flow Area</b>	Total area of cross section active flow.
<b>Flow Area Ch</b>	Area of main channel active flow.
<b>Flow Area L</b>	Area of left overbank active flow.
<b>Flow Area R</b>	Area of right overbank active flow.
<b>Frctn Loss</b>	Friction loss between two cross sections.
<b>Frctn Slope</b>	Representative friction slope between two cross sections.
<b>Frctn Slp Md</b>	Friction slope averaging method used.
<b>Froude # Chl</b>	Froude number for the main channel.
<b>Froude # XS</b>	Froude number for the entire cross section.
<b>Gate #Open</b>	The number of gates opened in the current group.
<b>Gate Area</b>	The flow area in an opened gate.
<b>Gate Group Q</b>	Flow through all gate openings in a gate group.
<b>Gate Invert</b>	Gate spillway invert elevation.
<b>Gate Open Ht</b>	Height of gate opening.
<b>Gate Submerg</b>	Degree of gate submergence. The ratio of the downstream depth above the gate to the upstream depth above the gate.
<b>Headloss</b>	Total energy loss between two cross sections.
<b>Hydr Depth</b>	Hydraulic depth for cross section (Area/Topwidth of active flow).
<b>Hydr Depth C</b>	Hydraulic depth in channel (channel flow area/topwidth of channel flow).
<b>Hydr Depth L</b>	Hydraulic depth in left overbank (left overbank flow area/topwidth of left overbank flow).
<b>Hydr Depth R</b>	Hydraulic depth for right over bank (right overbank flow area/topwidth of right overbank flow).
<b>Ice Btm Chan</b>	The bottom elevation of ice in the main channel.
<b>Ice Btm LOB</b>	The bottom elevation of ice in the left overbank.
<b>Ice Btm ROB</b>	The bottom elevation of ice in the right overbank.
<b>Ice Err</b>	Convergence error in ice thickness for dynamic ice jam.
<b>Ice Thick Chan</b>	Ice thickness in the main channel.
<b>Ice Thick LOB</b>	Ice thickness in the left overbank.
<b>Ice Thick ROB</b>	Ice thickness in the right overbank.
<b>Ice Top Chan</b>	The top elevation of ice in the main channel.
<b>Ice Top LOB</b>	The top elevation of ice in the left overbank.
<b>Ice Top ROB</b>	The top elevation of ice in the right overbank.
<b>Ice Vol Total</b>	Cumulative volume of ice in an ice jam.
<b>Ice Vol. Chan</b>	Cumulative volume of ice in the main channel for an ice jam.
<b>Ice Vol. LOB</b>	Cumulative volume of ice in the left overbank for an ice jam.
<b>Ice Vol. ROB</b>	Cumulative volume of ice in the right overbank for an ice jam.
<b>Ice WS Err</b>	Convergence error in water surface for dynamic ice jam.
<b>Ineff EI Left</b>	The elevation of the left ineffective area.
<b>Ineff EI Right</b>	The elevation of the right ineffective area.
<b>Inflow</b>	Net inflow into a storage area.
<b>Invert Slope</b>	The slope from the invert of this cross section to the next cross section downstream.
<b>IW Gate Flow</b>	Total flow through all of the gate groups of an inline weir/spillway.
<b>K Perc L</b>	Conveyance reduction from left encroachment.
<b>K Perc R</b>	Conveyance reduction from right encroachment.
<b>L. Freeboard</b>	The freeboard in the main channel at the left bank (left bank elevation minus water surface elevation).
<b>L. Levee Frbrd</b>	The freeboard before the left levee is over-topped.
<b>Left Sta Eff</b>	Furthest left station where there is effective flow.

<b>Length Chnl</b>	Downstream reach length of the main channel.
<b>Length Left</b>	Downstream reach length of the left overbank.
<b>Length Right</b>	Downstream reach length of the right overbank.
<b>Length Wtd.</b>	Weighted cross section reach length, based on flow distribution, in left bank, channel, and right bank.
<b>Levee EI Left</b>	The elevation of the left levee.
<b>Levee EI Right</b>	The elevation of the right levee.
<b>LOB Elev</b>	The ground elevation at the left bank of the main channel.
<b>Mann Comp</b>	Composite Manning's n value for main channel.
<b>Mann Wtd Chnl</b>	Conveyance weighted Manning's n for the main channel.
<b>Mann Wtd Chnl</b>	Conveyance weighted Manning's n for the left overbank.
<b>Mann Wtd Right</b>	Conveyance weighted Manning's n for the right overbank.
<b>Mann Wtd Total</b>	Manning's n value for the total main cross section.
<b>Max Chl Dpth</b>	Maximum main channel depth.
<b>Min Ch EI</b>	Minimum main channel elevation.
<b>Min EI</b>	Minimum overall section elevation.
<b>Min EI Prs</b>	Elevation at the bridge when pressure flow begins.
<b>Min Error</b>	The minimum error, between the calculated and assumed water surfaces when balancing the energy equation.
<b>Min EI Weir Flow</b>	Elevation where weir flow begins.
<b>Min Weir EI</b>	Minimum elevation of a weir.
<b>Momen. EG</b>	Energy grade elevation upstream of bridge for momentum method.
<b>Momen. WS</b>	Water surface elevation upstream of bridge for momentum method.
<b>Net Flux</b>	Net inflow - outflow for a storage area.
<b>Num Trials</b>	Current number (or final number) of trials attempted before the energy equation is balanced.
<b>Obs WS</b>	Observed water surface elevation.
<b>Outflow</b>	Net outflow into a storage area.
<b>Perc Q Leaving</b>	Percentage of flow leaving through a lateral weir.
<b>Piping Flow</b>	Flow from piping weir failure.
<b>Power Chan</b>	Total stream power in main channel (main channel shear stress times main channel average velocity). Used in Yang's and other sediment transport equations.
<b>Power LOB</b>	Total stream power in left overbank (left overbank shear stress times left overbank average velocity). Used in Yang's and other sediment transport equations.
<b>Power ROB</b>	Total stream power in right overbank (right overbank shear stress times right overbank average velocity). Used in Yang's and other sediment transport equations.
<b>Power Total</b>	Total stream power (total cross section shear stress times total cross section average velocity). Used in Yang's and other sediment transport equations.
<b>Prof Delta EG</b>	Difference in EG between current profile and EG for first profile.
<b>Profile</b>	Profile number.
<b>Prs O EG</b>	Energy grade elevation upstream of bridge for pressure only method.
<b>Prs/Wr EG</b>	Energy grade elevation upstream of bridge for pressure and/or weir method.
<b>Prs/Wr WS</b>	Water surface elevation upstream of bridge for pressure and/or weir method.
<b>Pumping Head</b>	Pumping head for the pump station.
<b>Q Barrel</b>	Flow through one barrel in a culvert group.
<b>Q Bridge</b>	Flow through the bridge opening.
<b>Q Channel</b>	Flow in main channel.
<b>Q Culv</b>	Total flow in all culvert groups.
<b>Q DS</b>	Flow in cross section downstream of lateral weir.
<b>Q Lat RC</b>	Lateral rating curve flow.
<b>Q Leaving Total</b>	Total flow leaving in a lateral weir including all gates.
<b>Q Left</b>	Flow in left overbank.
<b>Q Perc Chan</b>	Percent of flow in main overbank.
<b>Q Perc L</b>	Percent of flow in left overbank.
<b>Q Perc R</b>	Percent of flow in right overbank.
<b>Q Pump Group</b>	Pump group flow.
<b>Q Pump Station</b>	Total flow in all pump groups in a pump station.
<b>Q Right</b>	Flow in right overbank.
<b>Q Total</b>	Total flow in cross section.
<b>Q US</b>	Flow in cross section upstream of a lateral weir.
<b>Q Weir</b>	Flow over the weir.
<b>R. Freeboard</b>	The freeboard in the main channel at the right bank (right bank elevation minus water surface elevation).
<b>R. Levee Frbrd</b>	The freeboard before the right levee is over-topped.
<b>Rght Sta Eff</b>	Furthest right station that still has effective flow.
<b>ROB Elev</b>	The ground elevation at the right bank of the main channel.
<b>SA Area</b>	Surface area of a storage area.



<b>SA Chan</b>	Cumulative surface area for main channel from the bottom of the reach.
<b>SA Left</b>	Cumulative surface area for left overbank from the bottom of the reach.
<b>SA Min El</b>	Minimum elevation of a storage area.
<b>SA Right</b>	Cumulative surface area for right overbank from the bottom of the reach.
<b>SA Total</b>	Cumulative surface area for entire cross section from the bottom of the reach.
<b>SA Volume</b>	Storage volume of a storage area.
<b>Shear Chan</b>	Shear stress in main channel ( $\gamma R_{CH} S_f$ ).
<b>Shear LOB</b>	Shear stress in left overbank ( $\gamma R_{LOB} S_f$ ).
<b>Shear ROB</b>	Shear stress in right overbank ( $\gamma R_{ROB} S_f$ ).
<b>Shear Total</b>	Shear stress in total section ( $\gamma R_T S_f$ ).
<b>Spc Force PR</b>	Specific force prime. For mixed flow, the specific force at this cross section for the flow regime that does not control.
<b>Specif Force</b>	The specific force for this cross section at the computed water surface elevation. $SF = A_T Y_{cent} + (Q^2)/(gA_{act})$
<b>Sta W.S. Lft</b>	Left station where water intersects the ground.
<b>Sta W.S. Rgt</b>	Right station where water intersects the ground.
<b>Std Stp Case</b>	Standard step method used to determine WSEL (1 = successful convergence, 2 = minimum error, 3 = resorted to critical depth).
<b>Top W Act Chan</b>	Top width of the wetted channel, not including ineffective flow.
<b>Top W Act Left</b>	Top width of the wetted left bank, not including ineffective flow.
<b>Top W Act Right</b>	Top width of the wetted right bank, not including ineffective flow.
<b>Top W Chnl</b>	Top width of the main channel. Does not include 'islands', but it does include ineffective flow.
<b>Top W Left</b>	Top width of the left overbank. Does not include 'islands', but it does include ineffective flow.
<b>Top W Right</b>	Top width of the right overbank. Does not include 'islands', but it does include ineffective flow.
<b>Top Wdth Act</b>	Top width of the wetted cross section, not including ineffective flow.
<b>Top Width</b>	Top width of the wetted cross section.
<b>Total Gate Flow</b>	Total flow through all of the gate groups of an inline/lateral weir.
<b>Trvl Tme Avg</b>	Cumulative travel time based on the average velocity of the entire cross section, per reach.
<b>Trvl Tme Chl</b>	Cumulative travel time based on the average velocity of the main channel, per reach.
<b>Vel Chnl</b>	Average velocity of flow in main channel.
<b>Vel Head</b>	Velocity head.
<b>Vel Left</b>	Average velocity of flow in left overbank.
<b>Vel Right</b>	Average velocity of flow in right overbank.
<b>Vel Total</b>	Average velocity of flow in total cross section.
<b>Vol Chan</b>	Cumulative volume of water in the channel (including ineffective flow).
<b>Vol Left</b>	Cumulative volume of water in the left overbank (including ineffective flow).
<b>Vol Right</b>	Cumulative volume of water in the right overbank (including ineffective flow).
<b>Volume</b>	Cumulative volume of water in the direction of computations (including ineffective flow).
<b>W.P. Channel</b>	Wetted perimeter of main channel.
<b>W.P. Left</b>	Wetted perimeter of left overbank.
<b>W.P. Right</b>	Wetted perimeter of right overbank.
<b>W.P. Total</b>	Wetted perimeter of total cross section.
<b>W.S. DS</b>	Water surface downstream of a bridge, culvert, or weir.
<b>W.S. Elev</b>	Calculated water surface from energy equation.
<b>WS Inlet</b>	WS at the inlet of a pump station.
<b>WS Outlet</b>	WS at the outlet of a pump station.
<b>W.S. Prime</b>	Water surface prime. For mixed flow, the water surface of the flow regime that does not control.
<b>W.S. US.</b>	Water surface elevation upstream of bridge or culvert.
<b>Weir Avg Depth</b>	The average depth of flow over the weir.
<b>Weir Max Depth</b>	The maximum depth of flow over the weir.
<b>Weir Sta DS</b>	Downstream station where weir flow ends.
<b>Weir Sta Lft</b>	Station where flow starts on the left side of weir.
<b>Weir Sta Rgt</b>	Station where flow ends on the right side of weir.
<b>Weir Sta US</b>	Upstream station for weir flow starts.
<b>Weir Submerg</b>	The ratio of the downstream depth above the weir to the upstream depth above the weir.
<b>Wr Flw Area</b>	Area of the flow going over the weir.
<b>Wr Top Wdth</b>	Top width of water over the weir.
<b>WS Air Entr.</b>	Water surface elevation accounting for air entrainment.
<b>WSPRO EG</b>	Energy grade elevation upstream of bridge for the WSPRO method.
<b>WSPRO WS</b>	Water surface elevation upstream of bridge for the WSPRO method.
<b>Wtd. n Chnl</b>	Conveyance weighted Manning's n for the main channel.
<b>Wtd. n Left</b>	Conveyance weighted Manning's n for the left overbank.
<b>Wtd. n Right</b>	Conveyance weighted Manning's n for the right overbank.
<b>XS Delta EG</b>	Change in energy gradeline between current section and next one downstream.
<b>XS Delta WS</b>	Change in water surface between current section and next one downstream.

<b>Yarnell EG</b>	Energy grade elevation upstream of bridge for Yarnell method.
<b>Yarnell WS</b>	Water surface elevation upstream of bridge for Yarnell method.

River	Reach	River Sta	Profile	Q Total	Min Ch	W.S.	Crit	E.G.	E.G.	Vel	Flow	Top	Froude
				(m3/s)	EI	Elev	W.S.	Elev	Slope	Chnl	Area	Width	
				(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		
A.Salsa	A.Salsa	1	Tr30	49.98	-1.1	3.07	0.59	3.08	0.000129	0.65	91.51	70	0.13
A.Salsa	A.Salsa	1	Tr200	104.99	-1.1	3	1.56	3.1	0.000642	1.42	87.12	70	0.3
A.Salsa	A.Salsa	1	Tr500	132.84	-1.1	2.96	1.83	3.12	0.001127	1.85	83.89	70	0.39
A.Salsa	A.Salsa	2	Tr30	49.98	-1.09	3.07	0.6	3.09	0.00013	0.65	91.08	70	0.13
A.Salsa	A.Salsa	2	Tr200	104.99	-1.09	3.04	1.57	3.13	0.000614	1.4	88.69	70	0.29
A.Salsa	A.Salsa	2	Tr500	132.84	-1.09	3.02	1.84	3.17	0.001008	1.78	87.81	70	0.37
A.Salsa	A.Salsa	3	Tr30	49.98	-1.08	3.08	0.62	3.1	0.000132	0.65	90.66	70	0.14
A.Salsa	A.Salsa	3	Tr200	104.99	-1.08	3.07	1.58	3.16	0.00059	1.38	90.13	70	0.29
A.Salsa	A.Salsa	3	Tr500	132.84	-1.08	3.08	1.86	3.22	0.00092	1.72	91.08	70	0.36
A.Salsa	A.Salsa	3.4	Tr30	49.98	-1.07	3.08	0.62	3.1	0.000132	0.65	90.67	70	0.14
A.Salsa	A.Salsa	3.4	Tr200	104.99	-1.07	3.1	1.59	3.18	0.000567	1.36	91.59	70	0.28
A.Salsa	A.Salsa	3.4	Tr500	132.84	-1.07	3.13	1.86	3.26	0.000854	1.68	93.78	70	0.35
A.Salsa	A.Salsa	3.5		Bridge									
A.Salsa	A.Salsa	3.6	Tr30	49.98	-1.07	3.13	0.62	3.14	0.000107	0.6	105.63	90	0.12
A.Salsa	A.Salsa	3.6	Tr200	104.99	-1.07	3.47	1.59	3.51	0.000243	0.98	136.18	90	0.19
A.Salsa	A.Salsa	3.6	Tr500	132.84	-1.07	3.48	1.86	3.54	0.000381	1.23	137.21	90	0.24
A.Salsa	A.Salsa	4	Tr30	49.98	-1.06	3.13	0.63	3.15	0.000108	0.6	105.34	90	0.12
A.Salsa	A.Salsa	4	Tr200	104.99	-1.06	3.48	1.59	3.51	0.000242	0.98	136.38	90	0.19
A.Salsa	A.Salsa	4	Tr500	132.84	-1.06	3.49	1.87	3.55	0.000375	1.22	137.91	90	0.23
A.Salsa	A.Salsa	5	Tr30	49.98	-1.05	3.15	0.64	3.16	0.000107	0.59	105.79	90	0.12
A.Salsa	A.Salsa	5	Tr200	104.99	-1.05	3.52	1.61	3.55	0.00023	0.96	138.84	90	0.18
A.Salsa	A.Salsa	5	Tr500	132.84	-1.05	3.56	1.88	3.61	0.000343	1.18	142.43	90	0.22
A.Salsa	A.Salsa	6	Tr30	49.98	-1.04	3.15	0.65	3.17	0.000109	0.6	104.95	90	0.12
A.Salsa	A.Salsa	6	Tr200	104.99	-1.04	3.52	1.62	3.56	0.000232	0.96	138.33	90	0.18
A.Salsa	A.Salsa	6	Tr500	132.84	-1.04	3.57	1.89	3.62	0.000344	1.18	142.23	90	0.23
A.Salsa	A.Salsa	6.2	Tr30	49.98	-1.9	3.16	-0.19	3.17	0.00004	0.46	134.17	90	0.08
A.Salsa	A.Salsa	6.2	Tr200	104.99	-1.9	3.53	0.43	3.56	0.000104	0.79	168.05	90	0.13
A.Salsa	A.Salsa	6.2	Tr500	132.84	-1.9	3.58	0.69	3.62	0.000156	0.97	172.48	90	0.16
A.Salsa	A.Salsa	6.5		Culvert									
A.Salsa	A.Salsa	6.6	Tr30	49.98	-1.9	3.17	-0.19	3.18	0.00004	0.45	134.88	90	0.08
A.Salsa	A.Salsa	6.6	Tr200	104.99	-1.9	3.55	0.43	3.57	0.000102	0.78	169.28	90	0.13
A.Salsa	A.Salsa	6.6	Tr500	132.84	-1.9	3.61	0.69	3.65	0.000151	0.96	174.79	90	0.16
A.Salsa	A.Salsa	7	Tr30	49.98	-1.03	3.16	0.66	3.18	0.00011	0.6	104.81	90	0.12
A.Salsa	A.Salsa	7	Tr200	104.99	-1.03	3.54	1.63	3.58	0.000229	0.96	139.01	90	0.18
A.Salsa	A.Salsa	7	Tr500	132.84	-1.03	3.6	1.91	3.66	0.000331	1.17	144.28	90	0.22
A.Salsa	A.Salsa	8	Tr30	49.98	-1.01	3.17	0.68	3.19	0.00011	0.6	104.67	90	0.12
A.Salsa	A.Salsa	8	Tr200	104.99	-1.01	3.57	1.64	3.6	0.000225	0.95	139.98	90	0.18
A.Salsa	A.Salsa	8	Tr500	132.84	-1.01	3.64	1.92	3.69	0.000319	1.15	146.24	90	0.22
A.Salsa	A.Salsa	8.4	Tr30	49.98	-1.9	3.18	-0.19	3.19	0.000039	0.45	136.25	90	0.08
A.Salsa	A.Salsa	8.4	Tr200	104.99	-1.9	3.58	0.43	3.61	0.000098	0.77	172.13	90	0.13
A.Salsa	A.Salsa	8.4	Tr500	132.84	-1.9	3.66	0.69	3.69	0.000142	0.94	178.92	90	0.15
A.Salsa	A.Salsa	8.5		Culvert									
A.Salsa	A.Salsa	8.6	Tr30	49.98	-1.9	3.19	-0.19	3.2	0.000039	0.45	136.71	90	0.08
A.Salsa	A.Salsa	8.6	Tr200	104.99	-1.9	3.59	0.43	3.62	0.000096	0.77	173.37	90	0.12
A.Salsa	A.Salsa	8.6	Tr500	132.84	-1.9	3.68	0.69	3.72	0.000137	0.93	181.41	90	0.15
A.Salsa	A.Salsa	9	Tr30	49.98	-1	3.18	0.69	3.2	0.000111	0.6	104.37	90	0.12
A.Salsa	A.Salsa	9	Tr200	104.99	-1	3.59	1.66	3.62	0.000221	0.94	140.82	90	0.18
A.Salsa	A.Salsa	9	Tr500	132.84	-1	3.67	1.93	3.73	0.000304	1.13	148.69	90	0.21
A.Salsa	A.Salsa	10	Tr30	49.98	-0.99	3.19	0.7	3.21	0.000111	0.6	104.25	90	0.12
A.Salsa	A.Salsa	10	Tr200	104.99	-0.99	3.61	1.67	3.65	0.000217	0.94	141.71	90	0.18
A.Salsa	A.Salsa	10	Tr500	132.84	-0.99	3.71	1.94	3.76	0.000294	1.12	150.38	90	0.21
A.Salsa	A.Salsa	10.4	Tr30	49.98	-1.9	3.21	-0.19	3.22	0.000037	0.44	138.84	90	0.08
A.Salsa	A.Salsa	10.4	Tr200	104.99	-1.9	3.64	0.43	3.67	0.00009	0.75	177.79	90	0.12
A.Salsa	A.Salsa	10.4	Tr500	132.84	-1.9	3.75	0.69	3.79	0.000126	0.9	187.56	90	0.14
A.Salsa	A.Salsa	10.5		Culvert									
A.Salsa	A.Salsa	10.6	Tr30	49.98	-1.9	3.21	-0.19	3.22	0.000037	0.44	139.26	90	0.08
A.Salsa	A.Salsa	10.6	Tr200	104.99	-1.9	3.66	0.43	3.68	0.000088	0.74	179.2	90	0.12
A.Salsa	A.Salsa	10.6	Tr500	132.84	-1.9	3.77	0.69	3.8	0.000123	0.89	189.34	90	0.14

A.Salsa	A.Salsa	10.8	Tr30	49.98	-0.89	3.21	0.79	3.23	0.000131	0.64	97.29	90	0.13
A.Salsa	A.Salsa	10.8	Tr200	104.99	-0.89	3.65	1.76	3.69	0.000239	0.97	136.92	90	0.19
A.Salsa	A.Salsa	10.8	Tr500	132.84	-0.89	3.76	2.04	3.81	0.000315	1.14	146.84	90	0.22
A.Salsa	A.Salsa	11	Tr30	49.98	-0.93	3.23	0.76	3.25	0.000117	0.61	102.07	90	0.13
A.Salsa	A.Salsa	11	Tr200	104.99	-0.93	3.69	1.73	3.73	0.00021	0.93	143.44	90	0.18
A.Salsa	A.Salsa	11	Tr500	132.84	-0.93	3.82	2.01	3.86	0.000272	1.09	154.59	90	0.2
A.Salsa	A.Salsa	11.4	Tr30	49.98	-0.89	3.26	0.79	3.28	0.000118	0.62	101.78	90	0.13
A.Salsa	A.Salsa	11.4	Tr200	104.99	-0.89	3.74	1.76	3.77	0.000203	0.92	145.1	90	0.17
A.Salsa	A.Salsa	11.4	Tr500	132.84	-0.89	3.88	2.04	3.92	0.000257	1.06	157.55	90	0.2
A.Salsa	A.Salsa	11.5		Bridge									
A.Salsa	A.Salsa	11.6	Tr30	49.98	-0.89	3.27	0.79	3.29	0.000128	0.65	91.69	70	0.13
A.Salsa	A.Salsa	11.6	Tr200	104.99	-0.89	3.77	1.76	3.81	0.000239	1	126.15	70	0.19
A.Salsa	A.Salsa	11.6	Tr500	132.84	-0.89	3.91	2.04	3.96	0.000308	1.17	136.06	70	0.22
A.Salsa	A.Salsa	12	Tr30	49.98	-0.86	3.31	0.83	3.32	0.000114	0.61	103.08	90	0.13
A.Salsa	A.Salsa	12	Tr200	104.99	-0.86	3.83	1.8	3.86	0.000184	0.88	150.19	90	0.17
A.Salsa	A.Salsa	12	Tr500	132.84	-0.86	3.99	2.07	4.03	0.000226	1.02	164.71	90	0.19
A.Salsa	A.Salsa	13	Tr30	49.98	-0.76	3.37	0.93	3.39	0.000124	0.63	99.6	90	0.13
A.Salsa	A.Salsa	13	Tr200	104.99	-0.76	3.93	1.9	3.96	0.000185	0.89	150.01	90	0.17
A.Salsa	A.Salsa	13	Tr500	132.84	-0.76	4.11	2.17	4.15	0.000219	1	166.49	90	0.18
A.Salsa	A.Salsa	14	Tr30	49.98	-0.66	3.43	1.03	3.45	0.000135	0.65	96.12	90	0.14
A.Salsa	A.Salsa	14	Tr200	104.99	-0.66	4.02	2	4.05	0.000188	0.89	149.15	90	0.17
A.Salsa	A.Salsa	14	Tr500	132.84	-0.66	4.22	2.27	4.26	0.000217	1	167.12	90	0.18
A.Salsa	A.Salsa	14.5	Tr30	49.98	-0.62	3.47	1.07	3.49	0.000136	0.65	95.91	90	0.14
A.Salsa	A.Salsa	14.5	Tr200	104.99	-0.62	4.07	2.04	4.11	0.000184	0.88	150.26	90	0.17
A.Salsa	A.Salsa	14.5	Tr500	132.84	-0.62	4.28	2.31	4.32	0.00021	0.99	168.96	90	0.18
A.Salsa	A.Salsa	14.6	Tr30	49.98	-0.7	3.48	1.14	3.49	0.000093	0.57	121.41	90	0.1
A.Salsa	A.Salsa	14.6	Tr200	104.99	-0.7	4.09	1.85	4.11	0.000139	0.78	176.08	90	0.12
A.Salsa	A.Salsa	14.6	Tr500	132.84	-0.7	4.3	2.15	4.32	0.000162	0.87	194.94	90	0.14
A.Salsa	A.Salsa	14.7	Tr30	49.98	-0.7	3.5	1.14	3.51	0.00009	0.57	123.08	90	0.1
A.Salsa	A.Salsa	14.7	Tr200	104.99	-0.7	4.11	1.85	4.13	0.000133	0.77	178.57	90	0.12
A.Salsa	A.Salsa	14.7	Tr500	132.84	-0.7	4.33	2.15	4.35	0.000155	0.86	197.86	90	0.13
A.Salsa	A.Salsa	14.8	Tr30	44.83	-0.69	3.5	1.03	3.51	0.000054	0.35	144.82	90	0.05
A.Salsa	A.Salsa	14.8	Tr200	98.8	-0.69	4.12	2.35	4.14	0.000092	0.5	200.46	90	0.07
A.Salsa	A.Salsa	14.8	Tr500	126.79	-0.69	4.34	2.47	4.36	0.000113	0.57	219.84	90	0.08
A.Salsa	A.Salsa	15	Tr30	44.83	-0.69	3.5	1.03	3.51	0.000081	0.43	117.49	70	0.07
A.Salsa	A.Salsa	15	Tr200	98.8	-0.69	4.12	2.39	4.14	0.000147	0.64	160.63	70	0.09
A.Salsa	A.Salsa	15	Tr500	126.79	-0.69	4.33	2.52	4.36	0.000181	0.73	175.6	70	0.1
A.Salsa	A.Salsa	16	Tr30	44.83	-0.76	3.5	1	3.51	0.000062	0.5	125.4	90	0.09
A.Salsa	A.Salsa	16	Tr200	98.8	-0.76	4.12	1.94	4.14	0.000101	0.72	181.17	90	0.12
A.Salsa	A.Salsa	16	Tr500	126.79	-0.76	4.34	2.75	4.36	0.000122	0.83	200.63	90	0.14
A.Salsa	A.Salsa	17	Tr30	44.83	-0.75	3.5	1.01	3.52	0.000083	0.57	104.1	70	0.11
A.Salsa	A.Salsa	17	Tr200	98.8	-0.75	4.12	1.96	4.15	0.000145	0.86	147.26	70	0.15
A.Salsa	A.Salsa	17	Tr500	126.79	-0.75	4.33	2.75	4.37	0.000178	1	162.26	70	0.16
A.Salsa	A.Salsa	101	Tr30	44.83	-0.68	3.52	1.3	3.53	0.000029	0.32	148.85	66.36	0.06
A.Salsa	A.Salsa	101	Tr200	98.8	-0.68	4.16	1.85	4.17	0.000064	0.55	190.91	66.36	0.1
A.Salsa	A.Salsa	101	Tr500	126.79	-0.68	4.38	1.96	4.4	0.000083	0.65	205.75	66.36	0.11
A.Salsa	A.Salsa	102	Tr30	44.83	-0.77	3.53	1.25	3.53	0.000023	0.29	161.05	66.2	0.06
A.Salsa	A.Salsa	102	Tr200	98.8	-0.77	4.16	2.09	4.18	0.000053	0.5	203.29	66.2	0.09
A.Salsa	A.Salsa	102	Tr500	126.79	-0.77	4.39	2.09	4.41	0.00007	0.6	218.26	66.2	0.1
A.Salsa	A.Salsa	103	Tr30	44.83	-0.58	3.53	1.3	3.53	0.000014	0.23	185.64	65.06	0.04
A.Salsa	A.Salsa	103	Tr200	98.8	-0.58	4.17	2.1	4.18	0.000036	0.41	227.43	65.06	0.07
A.Salsa	A.Salsa	103	Tr500	126.79	-0.58	4.4	2.1	4.41	0.000048	0.5	242.29	65.06	0.09
A.Salsa	A.Salsa	104	Tr30	44.83	-0.61	3.53	1.4	3.53	0.000015	0.23	180.79	65.28	0.05
A.Salsa	A.Salsa	104	Tr200	98.8	-0.61	4.17	2.24	4.18	0.000038	0.43	222.79	65.28	0.08
A.Salsa	A.Salsa	104	Tr500	126.79	-0.61	4.4	2.24	4.42	0.000051	0.52	237.74	65.28	0.09
A.Salsa	A.Salsa	104.5		Bridge									
A.Salsa	A.Salsa	105	Tr30	48.56	-0.3	3.53	1.51	3.54	0.000021	0.28	176.4	68.26	0.05
A.Salsa	A.Salsa	105	Tr200	103.39	-0.3	4.18	1.84	4.19	0.000047	0.48	220.6	68.26	0.08
A.Salsa	A.Salsa	105	Tr500	132.66	-0.3	4.41	1.84	4.43	0.000062	0.58	236.39	68.26	0.1
A.Salsa	A.Salsa	106	Tr30	48.56	-0.48	3.53	1.58	3.54	0.000045	0.36	140.71	68.18	0.08
A.Salsa	A.Salsa	106	Tr200	103.39	-0.48	4.18	2.14	4.2	0.000084	0.59	184.89	68.18	0.11
A.Salsa	A.Salsa	106	Tr500	132.66	-0.48	4.41	2.16	4.44	0.000106	0.7	200.69	68.18	0.13

A.Salsa	A.Salsa	107	Tr30	48.56	-0.51	3.54	1.23	3.54	0.000012	0.21	207.97	65.46	0.04
A.Salsa	A.Salsa	107	Tr200	103.39	-0.51	4.19	2.03	4.2	0.00003	0.39	250.72	65.46	0.07
A.Salsa	A.Salsa	107	Tr500	132.66	-0.51	4.42	2.03	4.44	0.000041	0.48	266.08	65.46	0.08
A.Salsa	A.Salsa	108	Tr30	48.56	-0.63	3.54	1.51	3.54	0.000014	0.22	203.3	71	0.04
A.Salsa	A.Salsa	108	Tr200	103.39	-0.63	4.19	2.06	4.2	0.000034	0.39	249.8	71	0.07
A.Salsa	A.Salsa	108	Tr500	132.66	-0.63	4.43	2.06	4.44	0.000045	0.47	266.56	71	0.08
A.Salsa	A.Salsa	111	Tr30	48.56	-0.51	3.54	1.52	3.55	0.000015	0.22	199.15	70.82	0.04
A.Salsa	A.Salsa	111	Tr200	103.39	-0.51	4.21	2.05	4.21	0.000035	0.4	246	70.82	0.07
A.Salsa	A.Salsa	111	Tr500	132.66	-0.51	4.44	2.05	4.46	0.000046	0.48	262.99	70.82	0.08
A.Salsa	A.Salsa	112	Tr30	48.56	-0.5	3.54	1.5	3.55	0.000014	0.22	200.93	69.85	0.04
A.Salsa	A.Salsa	112	Tr200	103.39	-0.5	4.21	1.97	4.22	0.000034	0.39	247.29	69.85	0.07
A.Salsa	A.Salsa	112	Tr500	132.66	-0.5	4.45	1.97	4.46	0.000045	0.47	264.13	69.85	0.08
A.Salsa	A.Salsa	113	Tr30	48.56	-0.44	3.55	1.51	3.55	0.000015	0.22	198.76	70.02	0.05
A.Salsa	A.Salsa	113	Tr200	103.39	-0.44	4.21	1.96	4.22	0.000035	0.4	245.36	70.02	0.07
A.Salsa	A.Salsa	113	Tr500	132.66	-0.44	4.45	1.96	4.47	0.000047	0.48	262.32	70.02	0.08
A.Salsa	A.Salsa	114	Tr30	48.56	-0.51	3.55	1.45	3.55	0.000017	0.25	184.95	65.16	0.05
A.Salsa	A.Salsa	114	Tr200	103.39	-0.51	4.21	1.87	4.23	0.00004	0.44	228.41	65.16	0.08
A.Salsa	A.Salsa	114	Tr500	132.66	-0.51	4.46	1.87	4.47	0.000053	0.53	244.25	65.16	0.09
A.Salsa	A.Salsa	115	Tr30	48.56	-0.42	3.55	1.59	3.55	0.00002	0.26	176.41	64.86	0.05
A.Salsa	A.Salsa	115	Tr200	103.39	-0.42	4.22	2.06	4.23	0.000045	0.45	219.8	64.86	0.08
A.Salsa	A.Salsa	115	Tr500	132.66	-0.42	4.46	2.06	4.48	0.000059	0.55	235.64	64.86	0.09
A.Salsa	A.Salsa	116	Tr30	48.56	-0.39	3.54	1.67	3.57	0.000207	0.82	69.29	34.87	0.17
A.Salsa	A.Salsa	116	Tr200	103.39	-0.39	4.19	2.53	4.26	0.000392	1.32	91.93	34.87	0.24
A.Salsa	A.Salsa	116	Tr500	132.66	-0.39	4.42	2.76	4.52	0.000497	1.56	99.98	34.87	0.27
A.Salsa	A.Salsa	117	Tr30	48.56	-0.29	3.56	1.72	3.58	0.000159	0.71	80.37	38.56	0.14
A.Salsa	A.Salsa	117	Tr200	103.39	-0.29	4.24	2.51	4.29	0.000295	1.13	106.54	38.56	0.2
A.Salsa	A.Salsa	117	Tr500	132.66	-0.29	4.49	2.76	4.56	0.00037	1.34	116.14	38.56	0.23
A.Salsa	A.Salsa	118	Tr30	48.56	-0.36	3.59	1.86	3.6	0.000142	0.67	83.71	39.95	0.14
A.Salsa	A.Salsa	118	Tr200	103.39	-0.36	4.28	2.57	4.33	0.000257	1.07	111.62	39.95	0.19
A.Salsa	A.Salsa	118	Tr500	132.66	-0.36	4.54	2.79	4.61	0.00032	1.25	122.02	39.95	0.21
A.Salsa	A.Salsa	119	Tr30	48.56	-0.29	3.6	1.89	3.62	0.000139	0.66	85.21	40.21	0.13
A.Salsa	A.Salsa	119	Tr200	103.39	-0.29	4.31	2.59	4.36	0.00025	1.04	113.81	40.21	0.19
A.Salsa	A.Salsa	119	Tr500	132.66	-0.29	4.58	2.8	4.64	0.000309	1.22	124.57	40.21	0.21
A.Salsa	A.Salsa	120	Tr30	48.56	-0.32	3.61	1.87	3.63	0.00013	0.64	87.22	40.66	0.13
A.Salsa	A.Salsa	120	Tr200	103.39	-0.32	4.34	2.54	4.38	0.000233	1.02	116.64	40.66	0.18
A.Salsa	A.Salsa	120	Tr500	132.66	-0.32	4.61	2.76	4.67	0.000287	1.19	127.78	40.66	0.2
A.Salsa	A.Salsa	201	Tr30	48.56	-0.41	3.63	1.5	3.64	0.00006	0.48	113.96	52.09	0.09
A.Salsa	A.Salsa	201	Tr200	103.39	-0.41	4.37	2.14	4.4	0.000111	0.76	152.55	52.09	0.13
A.Salsa	A.Salsa	201	Tr500	132.66	-0.41	4.65	2.42	4.69	0.000137	0.89	167.35	52.09	0.15
A.Salsa	A.Salsa	202	Tr30	48.56	-0.4	3.63	1.5	3.65	0.000067	0.51	107.06	48.06	0.1
A.Salsa	A.Salsa	202	Tr200	103.39	-0.4	4.38	2.15	4.41	0.000127	0.81	142.86	48.06	0.14
A.Salsa	A.Salsa	202	Tr500	132.66	-0.4	4.67	2.43	4.7	0.000157	0.95	156.61	48.06	0.16
A.Salsa	A.Salsa	203	Tr30	48.56	-0.38	3.64	1.53	3.65	0.000085	0.57	97.59	45.73	0.11
A.Salsa	A.Salsa	203	Tr200	103.39	-0.38	4.39	2.17	4.42	0.000154	0.9	131.84	45.73	0.15
A.Salsa	A.Salsa	203	Tr500	132.66	-0.38	4.68	2.45	4.72	0.000189	1.05	145.02	45.73	0.17
A.Salsa	A.Salsa	204	Tr30	48.56	-0.37	3.65	1.53	3.67	0.000118	0.67	83.87	41.18	0.13
A.Salsa	A.Salsa	204	Tr200	103.39	-0.37	4.4	2.18	4.45	0.000209	1.04	114.85	41.18	0.18
A.Salsa	A.Salsa	204	Tr500	132.66	-0.37	4.69	2.46	4.75	0.000254	1.21	126.77	41.18	0.2
A.Salsa	A.Salsa	205	Tr30	48.56	-0.35	3.66	1.55	3.68	0.000083	0.56	98.1	44.48	0.11
A.Salsa	A.Salsa	205	Tr200	103.39	-0.35	4.43	2.2	4.46	0.000149	0.88	132.25	44.48	0.15
A.Salsa	A.Salsa	205	Tr500	132.66	-0.35	4.73	2.48	4.77	0.000182	1.03	145.49	44.48	0.17
A.Salsa	A.Salsa	206	Tr30	48.56	-0.34	3.67	1.56	3.68	0.000078	0.54	101.88	46.12	0.1
A.Salsa	A.Salsa	206	Tr200	103.39	-0.34	4.45	2.21	4.48	0.000139	0.85	137.66	46.12	0.15
A.Salsa	A.Salsa	206	Tr500	132.66	-0.34	4.75	2.49	4.79	0.000169	1	151.59	46.12	0.16
A.Salsa	A.Salsa	207	Tr30	48.56	-0.32	3.68	1.58	3.69	0.000085	0.56	98.33	44.59	0.11
A.Salsa	A.Salsa	207	Tr200	103.39	-0.32	4.46	2.23	4.49	0.00015	0.89	133.16	44.59	0.15
A.Salsa	A.Salsa	207	Tr500	132.66	-0.32	4.77	2.51	4.81	0.000182	1.03	146.75	44.59	0.17
A.Salsa	A.Salsa	208	Tr30	48.56	-0.31	3.69	1.59	3.7	0.000087	0.57	97.2	42.81	0.11
A.Salsa	A.Salsa	208	Tr200	103.39	-0.31	4.47	2.24	4.51	0.000155	0.9	130.91	42.81	0.15
A.Salsa	A.Salsa	208	Tr500	132.66	-0.31	4.78	2.52	4.83	0.000189	1.05	144.07	42.81	0.17
A.Salsa	A.Salsa	209	Tr30	48.56	-0.29	3.7	1.61	3.71	0.000073	0.52	104.57	44.79	0.1
A.Salsa	A.Salsa	209	Tr200	103.39	-0.29	4.49	2.26	4.52	0.000132	0.83	140.25	44.79	0.14
A.Salsa	A.Salsa	209	Tr500	132.66	-0.29	4.81	2.54	4.85	0.000161	0.97	154.25	44.79	0.16
A.Salsa	A.Salsa	210	Tr30	48.56	-0.28	3.71	1.62	3.72	0.000046	0.41	126.19	51.14	0.08

A.Salsa	A.Salsa	210	Tr200	103.39	-0.28	4.52	2.27	4.54	0.000086	0.67	167.47	51.14	0.11
A.Salsa	A.Salsa	210	Tr500	132.66	-0.28	4.83	2.55	4.86	0.000105	0.79	183.75	51.14	0.13
A.Salsa	A.Salsa	211	Tr30	48.56	-0.27	3.71	1.63	3.72	0.000098	0.6	92.65	41.32	0.12
A.Salsa	A.Salsa	211	Tr200	103.39	-0.27	4.51	2.28	4.55	0.00017	0.94	125.92	41.32	0.16
A.Salsa	A.Salsa	211	Tr500	132.66	-0.27	4.83	2.56	4.88	0.000205	1.1	139	41.32	0.18
A.Salsa	A.Salsa	212	Tr30	48.56	-0.27	3.71	1.65	3.73	0.00007	0.51	107.5	43.49	0.1
A.Salsa	A.Salsa	212	Tr200	103.39	-0.27	4.53	2.3	4.55	0.000129	0.81	142.79	43.49	0.14
A.Salsa	A.Salsa	212	Tr500	132.66	-0.27	4.85	2.59	4.88	0.000158	0.95	156.72	43.49	0.15
A.Salsa	A.Salsa	213	Tr30	48.56	-0.26	3.71	1.66	3.73	0.000076	0.52	103.53	41.8	0.1
A.Salsa	A.Salsa	213	Tr200	103.39	-0.26	4.53	2.31	4.56	0.00014	0.84	137.44	41.8	0.14
A.Salsa	A.Salsa	213	Tr500	132.66	-0.26	4.85	2.6	4.89	0.000171	0.99	150.81	41.8	0.16
A.Salsa	A.Salsa	214	Tr30	48.56	-0.26	3.71	1.66	3.73	0.0001	0.6	91.32	37.29	0.11
A.Salsa	A.Salsa	214	Tr200	103.39	-0.26	4.52	2.31	4.56	0.000185	0.97	121.46	37.29	0.16
A.Salsa	A.Salsa	214	Tr500	132.66	-0.26	4.84	2.6	4.89	0.000227	1.14	133.32	37.29	0.18
A.Salsa	A.Salsa	215	Tr30	48.56	-0.26	3.72	1.66	3.73	0.000096	0.59	92.82	38.17	0.11
A.Salsa	A.Salsa	215	Tr200	103.39	-0.26	4.53	2.33	4.56	0.000175	0.95	123.75	38.17	0.16
A.Salsa	A.Salsa	215	Tr500	132.66	-0.26	4.84	2.62	4.9	0.000214	1.11	135.94	38.17	0.18
A.Salsa	A.Salsa	216	Tr30	48.56	-0.25	3.72	1.67	3.74	0.000079	0.54	101.72	41.7	0.1
A.Salsa	A.Salsa	216	Tr200	103.39	-0.25	4.54	2.32	4.57	0.000144	0.86	135.89	41.7	0.14
A.Salsa	A.Salsa	216	Tr500	132.66	-0.25	4.87	2.61	4.91	0.000175	1	149.41	41.7	0.16
A.Salsa	A.Salsa	217	Tr30	48.56	-0.22	3.73	1.7	3.74	0.000091	0.57	96.56	41.05	0.11
A.Salsa	A.Salsa	217	Tr200	103.39	-0.22	4.56	2.35	4.59	0.00016	0.9	130.42	41.05	0.15
A.Salsa	A.Salsa	217	Tr500	132.66	-0.22	4.88	2.64	4.93	0.000193	1.05	143.85	41.05	0.17
A.Salsa	A.Salsa	218	Tr30	48.56	-0.22	3.74	1.7	3.76	0.000109	0.63	88.73	39.21	0.12
A.Salsa	A.Salsa	218	Tr200	103.39	-0.22	4.57	2.35	4.61	0.000186	0.97	121.28	39.21	0.16
A.Salsa	A.Salsa	218	Tr500	132.66	-0.22	4.9	2.64	4.95	0.000223	1.13	134.19	39.21	0.18
A.Salsa	A.Salsa	219	Tr30	48.56	-0.2	3.75	1.72	3.76	0.000089	0.57	97.64	41.55	0.11
A.Salsa	A.Salsa	219	Tr200	103.39	-0.2	4.59	2.37	4.62	0.000153	0.88	132.5	41.55	0.15
A.Salsa	A.Salsa	219	Tr500	132.66	-0.2	4.92	2.66	4.97	0.000184	1.03	146.37	41.55	0.16
A.Salsa	A.Salsa	220	Tr30	48.56	-0.21	3.75	1.71	3.76	0.00009	0.57	97.14	41.8	0.11
A.Salsa	A.Salsa	220	Tr200	103.39	-0.21	4.59	2.36	4.62	0.000154	0.89	132.24	41.8	0.15
A.Salsa	A.Salsa	220	Tr500	132.66	-0.21	4.92	2.65	4.97	0.000185	1.03	146.21	41.8	0.16
A.Salsa	A.Salsa	221	Tr30	48.56	-0.21	3.75	1.71	3.77	0.000112	0.64	87.8	37.97	0.12
A.Salsa	A.Salsa	221	Tr200	103.39	-0.21	4.59	2.36	4.63	0.000193	0.99	119.59	37.97	0.17
A.Salsa	A.Salsa	221	Tr500	132.66	-0.21	4.92	2.65	4.97	0.000232	1.15	132.23	37.97	0.18
A.Salsa	A.Salsa	222	Tr30	48.56	-0.2	3.76	1.72	3.77	0.000077	0.53	103.93	43.32	0.1
A.Salsa	A.Salsa	222	Tr200	103.39	-0.2	4.6	2.37	4.63	0.000136	0.83	140.55	43.32	0.14
A.Salsa	A.Salsa	222	Tr500	132.66	-0.2	4.94	2.67	4.98	0.000165	0.97	155.17	43.32	0.16
A.Salsa	A.Salsa	223	Tr30	48.56	-0.2	3.76	1.7	3.77	0.000078	0.53	102.7	44.57	0.1
A.Salsa	A.Salsa	223	Tr200	103.39	-0.2	4.6	2.35	4.63	0.000131	0.83	140.42	44.57	0.14
A.Salsa	A.Salsa	223	Tr500	132.66	-0.2	4.94	2.63	4.98	0.000157	0.97	155.49	44.57	0.16
A.Salsa	A.Salsa	224	Tr30	48.56	-0.17	3.77	1.73	3.79	0.000115	0.65	86.91	41.43	0.13
A.Salsa	A.Salsa	224	Tr200	103.39	-0.17	4.62	2.38	4.66	0.000181	0.98	122.29	41.43	0.17
A.Salsa	A.Salsa	224	Tr500	132.66	-0.17	4.96	2.66	5.02	0.000212	1.12	136.43	41.43	0.18
A.Salsa	A.Salsa	225	Tr30	48.56	-0.16	3.78	1.85	3.8	0.000147	0.72	78.88	39.9	0.14
A.Salsa	A.Salsa	225	Tr200	103.39	-0.16	4.64	2.51	4.69	0.00022	1.06	113.14	39.9	0.18
A.Salsa	A.Salsa	225	Tr500	132.66	-0.16	4.98	2.8	5.04	0.000254	1.21	126.84	39.9	0.2
A.Salsa	A.Salsa	226	Tr30	48.56	-0.14	3.8	1.87	3.81	0.000069	0.49	110.39	51.65	0.1
A.Salsa	A.Salsa	226	Tr200	103.39	-0.14	4.68	2.53	4.7	0.000107	0.74	155.71	51.65	0.13
A.Salsa	A.Salsa	226	Tr500	132.66	-0.14	5.03	2.83	5.06	0.000124	0.85	173.97	51.65	0.14
A.Salsa	A.Salsa	227	Tr30	48.56	-0.11	3.8	1.9	3.82	0.000143	0.7	80.5	41.26	0.14
A.Salsa	A.Salsa	227	Tr200	103.39	-0.11	4.67	2.57	4.72	0.00021	1.03	116.51	41.26	0.18
A.Salsa	A.Salsa	227	Tr500	132.66	-0.11	5.02	2.86	5.08	0.00024	1.18	130.97	41.26	0.19
A.Salsa	A.Salsa	228	Tr30	48.56	-0.05	3.81	1.96	3.83	0.000163	0.74	76.55	41.4	0.15
A.Salsa	A.Salsa	228	Tr200	103.39	-0.05	4.68	2.62	4.73	0.000229	1.07	112.79	41.4	0.19
A.Salsa	A.Salsa	228	Tr500	132.66	-0.05	5.03	2.91	5.09	0.000259	1.21	127.36	41.4	0.2
A.Salsa	A.Salsa	229	Tr30	48.56	0.01	3.81	2.02	3.84	0.000193	0.79	71.04	39.46	0.16
A.Salsa	A.Salsa	229	Tr200	103.39	0.01	4.68	2.68	4.74	0.000267	1.14	105.59	39.46	0.2
A.Salsa	A.Salsa	229	Tr500	132.66	0.01	5.04	2.97	5.11	0.000301	1.29	119.47	39.46	0.22
A.Salsa	A.Salsa	230	Tr30	48.56	0.15	3.83	2.16	3.86	0.000326	0.89	59.3	38.25	0.2
A.Salsa	A.Salsa	230	Tr200	103.39	0.15	4.71	2.82	4.78	0.000374	1.22	92.95	38.25	0.23
A.Salsa	A.Salsa	230	Tr500	132.66	0.15	5.06	3.11	5.15	0.000402	1.37	106.48	38.25	0.25
A.Salsa	A.Salsa	231	Tr30	48.56	0.26	3.86	2.24	3.89	0.000264	0.84	64.68	39.41	0.18
A.Salsa	A.Salsa	231	Tr200	103.39	0.26	4.75	2.85	4.8	0.000317	1.09	103.63	44.74	0.21

A.Salsa	A.Salsa	231	Tr500	132.66	0.26	5.11	3.12	5.18	0.000331	1.21	119.77	44.74	0.22
A.Salsa	A.Salsa	232	Tr30	48.56	0.28	3.85	2.26	3.9	0.000359	1	51.44	29.1	0.21
A.Salsa	A.Salsa	232	Tr200	103.39	0.28	4.73	2.87	4.82	0.000515	1.36	81.75	36.21	0.26
A.Salsa	A.Salsa	232	Tr500	132.66	0.28	5.09	3.15	5.2	0.00054	1.51	94.64	36.21	0.27
A.Salsa	A.Salsa	233	Tr30	48.56	0.31	3.87	2.29	3.91	0.000308	0.93	57.79	34.07	0.2
A.Salsa	A.Salsa	233	Tr200	103.39	0.31	4.77	2.9	4.83	0.000413	1.21	92.94	41.55	0.24
A.Salsa	A.Salsa	233	Tr500	132.66	0.31	5.13	3.17	5.21	0.000425	1.33	108	41.55	0.24
A.Salsa	A.Salsa	234	Tr30	34.88	0.44	3.92	2.24	3.93	0.000188	0.6	62.4	43.92	0.15
A.Salsa	A.Salsa	234	Tr200	67.79	0.44	4.84	2.71	4.86	0.000142	0.68	106.26	51.57	0.14
A.Salsa	A.Salsa	234	Tr500	89.82	0.44	5.21	2.97	5.24	0.00015	0.77	125.49	51.57	0.15
A.Salsa	A.Salsa	235	Tr30	34.88	0.47	3.92	2.27	3.94	0.000208	0.66	57.42	39.1	0.16
A.Salsa	A.Salsa	235	Tr200	67.79	0.47	4.84	2.74	4.87	0.00017	0.76	96.79	47.33	0.15
A.Salsa	A.Salsa	235	Tr500	89.82	0.47	5.21	3	5.25	0.00018	0.86	114.41	47.33	0.16
A.Salsa	A.Salsa	236	Tr30	34.88	0.51	3.9	2.31	3.95	0.000392	0.99	37.47	22.34	0.21
A.Salsa	A.Salsa	236	Tr200	67.79	0.51	4.81	2.84	4.89	0.000428	1.26	59.11	28.28	0.23
A.Salsa	A.Salsa	236	Tr500	89.82	0.51	5.18	3.14	5.27	0.000488	1.45	69.36	28.28	0.25
A.Salsa	A.Salsa	236.5		Bridge									
A.Salsa	A.Salsa	237	Tr30	34.88	0.53	4.18	2.82	4.35	0.002352	1.85	19.16	16.12	0.43
A.Salsa	A.Salsa	237	Tr200	67.79	0.53	4.91	3.88	5.06	0.001635	1.87	42.54	27.03	0.37
A.Salsa	A.Salsa	237	Tr500	89.82	0.53	5.25	4.49	5.42	0.001632	2.02	51.51	27.03	0.38
A.Salsa	A.Salsa	238	Tr30	34.88	0.54	4.17	2.49	4.37	0.002031	1.96	17.77	6.34	0.37
A.Salsa	A.Salsa	238	Tr200	67.79	0.54	4.89	3.56	5.08	0.002095	2.19	37.92	24.17	0.37
A.Salsa	A.Salsa	238	Tr500	89.82	0.54	5.21	4.1	5.44	0.00217	2.37	45.88	24.17	0.39
A.Salsa	A.Salsa	239	Tr30	34.88	0.54	4.1	2.74	4.41	0.003965	2.47	14.13	5.39	0.49
A.Salsa	A.Salsa	239	Tr200	67.79	0.54	4.37	3.99	5.33	0.011677	4.35	15.58	5.68	0.84
A.Salsa	A.Salsa	239	Tr500	89.82	0.54	4.98	4.9	5.56	0.006778	3.66	28.74	19.73	0.65
A.Salsa	A.Salsa	240	Tr30	34.88	0.57	4.22	2.74	4.5	0.00369	2.36	14.88	9.12	0.48
A.Salsa	A.Salsa	240	Tr200	67.79	0.57	5.23	4.06	5.51	0.002832	2.53	30.64	15.67	0.43
A.Salsa	A.Salsa	240	Tr500	89.82	0.57	5.18	4.88	5.7	0.00536	3.45	29.83	15.67	0.59
A.Salsa	A.Salsa	250		Bridge									
A.Salsa	A.Salsa	301	Tr30	34.88	0.59	4.49	2.3	4.52	0.000231	0.76	49.22	30.03	0.17
A.Salsa	A.Salsa	301	Tr200	67.79	0.59	5.82	2.98	5.84	0.000115	0.72	104.97	41.75	0.13
A.Salsa	A.Salsa	301	Tr500	89.82	0.59	6.17	3.33	6.2	0.000134	0.84	119.8	41.75	0.14
A.Salsa	A.Salsa	302	Tr30	34.88	0.61	4.5	2.6	4.52	0.000198	0.67	59.73	42.14	0.15
A.Salsa	A.Salsa	302	Tr200	67.79	0.61	5.82	3.36	5.84	0.000094	0.63	115.71	42.3	0.11
A.Salsa	A.Salsa	302	Tr500	89.82	0.61	6.18	3.93	6.21	0.000112	0.73	130.82	42.3	0.12
A.Salsa	A.Salsa	303	Tr30	34.88	0.66	4.51	2.66	4.53	0.000152	0.61	62.39	35.06	0.14
A.Salsa	A.Salsa	303	Tr200	67.79	0.66	5.83	3.5	5.85	0.00009	0.64	115.75	40.58	0.11
A.Salsa	A.Salsa	303	Tr500	89.82	0.66	6.18	3.84	6.21	0.000109	0.76	130.26	40.58	0.13
A.Salsa	A.Salsa	304	Tr30	34.88	0.72	4.52	2.72	4.53	0.000169	0.62	60.5	35.07	0.14
A.Salsa	A.Salsa	304	Tr200	67.79	0.72	5.83	3.55	5.85	0.000095	0.65	114.11	40.54	0.12
A.Salsa	A.Salsa	304	Tr500	89.82	0.72	6.19	3.87	6.22	0.000114	0.77	128.64	40.54	0.13
A.Salsa	A.Salsa	305	Tr30	34.88	0.79	4.52	2.79	4.54	0.000182	0.64	58.14	33.21	0.15
A.Salsa	A.Salsa	305	Tr200	67.79	0.79	5.83	3.6	5.85	0.000104	0.68	108.96	38.35	0.12
A.Salsa	A.Salsa	305	Tr500	89.82	0.79	6.19	3.94	6.22	0.000126	0.81	122.72	38.35	0.14
A.Salsa	A.Salsa	306	Tr30	34.88	0.86	4.53	2.86	4.55	0.000203	0.68	55.81	35.88	0.16
A.Salsa	A.Salsa	306	Tr200	67.79	0.86	5.84	3.62	5.86	0.000118	0.73	102.66	35.88	0.13
A.Salsa	A.Salsa	306	Tr500	89.82	0.86	6.2	4.06	6.23	0.000143	0.87	115.55	35.88	0.15
A.Salsa	A.Salsa	307	Tr30	34.88	0.98	4.56	2.98	4.57	0.00008	0.43	86	49.7	0.1
A.Salsa	A.Salsa	307	Tr200	67.79	0.98	5.86	3.77	5.87	0.00005	0.48	150.69	49.7	0.08
A.Salsa	A.Salsa	307	Tr500	89.82	0.98	6.23	4.17	6.24	0.000061	0.57	168.89	49.7	0.09
A.Salsa	A.Salsa	308	Tr30	34.88	1.15	4.57	3.15	4.58	0.000128	0.52	74.03	49.25	0.12
A.Salsa	A.Salsa	308	Tr200	67.79	1.15	5.86	3.93	5.88	0.000066	0.53	137.96	49.25	0.1
A.Salsa	A.Salsa	308	Tr500	89.82	1.15	6.23	4.34	6.25	0.000078	0.62	156.04	49.25	0.11
A.Salsa	A.Salsa	309	Tr30	34.88	1.29	4.58	3.29	4.59	0.00014	0.52	72.16	47.35	0.13
A.Salsa	A.Salsa	309	Tr200	67.79	1.29	5.87	4.04	5.88	0.000069	0.53	136.66	50.05	0.1
A.Salsa	A.Salsa	309	Tr500	89.82	1.29	6.24	4.48	6.26	0.000081	0.62	155.1	50.05	0.11
A.Salsa	A.Salsa	310	Tr30	15.31	1.42	4.59	2.74	4.61	0.000265	0.71	21.57	12.58	0.17
A.Salsa	A.Salsa	310	Tr200	37.06	1.42	5.88	3.48	5.89	0.000051	0.45	91.56	36.52	0.08
A.Salsa	A.Salsa	310	Tr500	53.53	1.42	6.25	3.88	6.27	0.000069	0.56	105.05	36.52	0.1
A.Salsa	A.Salsa	311	Tr30	15.31	1.46	4.59	2.77	4.62	0.000279	0.72	21.12	12.38	0.18
A.Salsa	A.Salsa	311	Tr200	37.06	1.46	5.88	3.52	5.89	0.000051	0.44	93.3	38.16	0.08
A.Salsa	A.Salsa	311	Tr500	53.53	1.46	6.25	3.92	6.27	0.000067	0.55	107.42	38.16	0.1

A.Salsa	A.Salsa	312	Tr30	15.31	1.47	4.6	2.68	4.62	0.000206	0.62	24.87	14.82	0.15
A.Salsa	A.Salsa	312	Tr200	37.06	1.47	5.89	3.33	5.89	0.000044	0.37	102.5	42.06	0.07
A.Salsa	A.Salsa	312	Tr500	53.53	1.47	6.26	3.7	6.27	0.000058	0.47	118.11	42.06	0.09
A.Salsa	A.Salsa	313	Tr30	15.31	1.51	4.61	2.82	4.64	0.000275	0.74	20.57	11.28	0.18
A.Salsa	A.Salsa	313	Tr200	37.06	1.51	5.89	3.57	5.89	0.000024	0.3	135.08	53.38	0.06
A.Salsa	A.Salsa	313	Tr500	53.53	1.51	6.26	3.97	6.27	0.000032	0.38	155.02	53.38	0.07
A.Salsa	A.Salsa	314	Tr30	15.31	1.57	4.62	2.51	4.64	0.000179	0.65	23.49	10.5	0.14
A.Salsa	A.Salsa	314	Tr200	37.06	1.57	5.89	3.18	5.9	0.00004	0.4	110.57	51.46	0.07
A.Salsa	A.Salsa	314	Tr500	53.53	1.57	6.26	3.58	6.27	0.00005	0.49	129.77	51.46	0.08
A.Salsa	A.Salsa	314.5		Culvert									
A.Salsa	A.Salsa	314.8	Tr30	15.31	1.57	4.88	2.51	4.89	0.000044	0.34	58.68	51.46	0.07
A.Salsa	A.Salsa	314.8	Tr200	37.06	1.57	5.89	3.18	5.9	0.000039	0.4	110.81	51.46	0.07
A.Salsa	A.Salsa	314.8	Tr500	53.53	1.57	6.27	3.58	6.28	0.00005	0.49	129.99	51.46	0.08
A.Salsa	A.Salsa	315	Tr30	15.31	2.07	4.88	3.61	4.89	0.000104	0.41	40.18	29.85	0.1
A.Salsa	A.Salsa	315	Tr200	37.06	2.07	5.89	4.51	5.91	0.000104	0.57	70.32	29.85	0.11
A.Salsa	A.Salsa	315	Tr500	53.53	2.07	6.26	4.58	6.28	0.000138	0.71	81.36	29.85	0.13
A.Salsa	A.Salsa	316	Tr30	15.31	2.15	4.89	3.75	4.9	0.000098	0.32	44.31	35.5	0.1
A.Salsa	A.Salsa	316	Tr200	37.06	2.15	5.9	4.55	5.92	0.000085	0.47	80.19	35.5	0.1
A.Salsa	A.Salsa	316	Tr500	53.53	2.15	6.28	4.67	6.3	0.000108	0.59	93.52	35.5	0.12
A.Salsa	A.Salsa	317	Tr30	15.31	2.29	4.9	3.82	4.91	0.000097	0.32	45.44	38.12	0.1
A.Salsa	A.Salsa	317	Tr200	37.06	2.29	5.91	4.65	5.92	0.000078	0.44	83.94	38.12	0.1
A.Salsa	A.Salsa	317	Tr500	53.53	2.29	6.29	4.89	6.31	0.000099	0.55	98.36	38.12	0.11
A.Salsa	A.Salsa	318	Tr30	15.31	2.43	4.87	3.87	4.96	0.001263	1.33	11.53	7.82	0.35
A.Salsa	A.Salsa	318	Tr200	37.06	2.43	5.91	4.68	5.95	0.000346	0.87	47.61	28	0.2
A.Salsa	A.Salsa	318	Tr500	53.53	2.43	6.29	5.07	6.33	0.000385	1.03	58.14	28	0.22
A.Salsa	A.Salsa	318.5		Culvert									
A.Salsa	A.Salsa	319	Tr30	15.31	2.72	5.32	4.15	5.32	0.000081	0.3	45.4	34.92	0.09
A.Salsa	A.Salsa	319	Tr200	37.06	2.72	5.97	4.96	5.99	0.000133	0.52	68.41	34.92	0.12
A.Salsa	A.Salsa	319	Tr500	53.53	2.72	6.34	5.21	6.36	0.000163	0.65	81.12	34.92	0.14
A.Salsa	A.Salsa	320	Tr30	15.31	2.79	5.32	4.26	5.33	0.000153	0.46	36.47	29.84	0.12
A.Salsa	A.Salsa	320	Tr200	37.06	2.79	5.99	5.07	6.01	0.000224	0.72	56.23	29.84	0.16
A.Salsa	A.Salsa	320	Tr500	53.53	2.79	6.35	5.2	6.38	0.000266	0.87	67.12	29.84	0.18
A.Salsa	A.Salsa	321	Tr30	15.31	2.78	5.34	4.35	5.35	0.000162	0.49	35.4	28.58	0.13
A.Salsa	A.Salsa	321	Tr200	37.06	2.78	6.01	5.12	6.03	0.000239	0.76	54.52	28.58	0.17
A.Salsa	A.Salsa	321	Tr500	53.53	2.78	6.38	5.19	6.41	0.000283	0.92	65.06	28.58	0.19
A.Salsa	A.Salsa	322	Tr30	15.31	2.87	5.35	4.43	5.36	0.000171	0.43	34.78	28.3	0.13
A.Salsa	A.Salsa	322	Tr200	37.06	2.87	6.02	5.23	6.05	0.000249	0.71	53.84	28.3	0.17
A.Salsa	A.Salsa	322	Tr500	53.53	2.87	6.39	5.24	6.43	0.000294	0.88	64.36	28.3	0.19
A.Salsa	A.Salsa	323	Tr30	15.31	2.9	5.36	4.46	5.36	0.000071	0.28	47.95	35.16	0.08
A.Salsa	A.Salsa	323	Tr200	37.06	2.9	6.04	5.24	6.05	0.000117	0.49	71.9	35.16	0.12
A.Salsa	A.Salsa	323	Tr500	53.53	2.9	6.42	5.24	6.44	0.000143	0.62	85.16	35.16	0.13
A.Salsa	A.Salsa	324	Tr30	15.31	2.99	5.36	4.58	5.37	0.000151	0.36	32.9	24.19	0.12
A.Salsa	A.Salsa	324	Tr200	37.06	2.99	6.05	5.33	6.07	0.00015	0.52	65.9	34	0.13
A.Salsa	A.Salsa	324	Tr500	53.53	2.99	6.43	5.33	6.45	0.000178	0.65	78.81	34	0.15
A.Salsa	A.Salsa	325	Tr30	15.31	3.11	5.31	4.69	5.45	0.002413	1.65	9.28	7.78	0.48
A.Salsa	A.Salsa	325	Tr200	37.06	3.11	6.06	5.47	6.09	0.000302	0.77	51.3	30.21	0.18
A.Salsa	A.Salsa	325	Tr500	53.53	3.11	6.44	5.56	6.48	0.000331	0.92	62.8	30.21	0.2
A.Salsa	A.Salsa	326	Tr30	15.31	3.31	5.55	4.88	5.67	0.001959	1.52	10.06	8.22	0.44
A.Salsa	A.Salsa	326	Tr200	37.06	3.31	6.09	5.61	6.12	0.000301	0.63	51.8	33.39	0.18
A.Salsa	A.Salsa	326	Tr500	53.53	3.31	6.48	5.75	6.51	0.000317	0.77	64.63	33.39	0.19
A.Salsa	A.Salsa	327	Tr30	15.31	3.38	5.62	4.94	5.74	0.001883	1.5	10.21	8.3	0.43
A.Salsa	A.Salsa	327	Tr200	37.06	3.38	6.1	5.66	6.14	0.000637	0.87	40.89	31.61	0.26
A.Salsa	A.Salsa	327	Tr500	53.53	3.38	6.48	5.8	6.53	0.000581	1	53.01	31.61	0.26
A.Salsa	A.Salsa	328	Tr30	15.31	3.25	5.71	4.63	5.75	0.000689	0.95	18.6	18.68	0.25
A.Salsa	A.Salsa	328	Tr200	37.06	3.25	6.1	5.58	6.14	0.000646	1.06	41.32	32.87	0.25
A.Salsa	A.Salsa	328	Tr500	53.53	3.25	6.48	5.73	6.54	0.000578	1.14	53.95	32.87	0.24
A.Salsa	A.Salsa	328.5		Culvert									
A.Salsa	A.Salsa	329	Tr30	15.31	3.08	6.18	4.42	6.19	0.000112	0.43	35.93	22.7	0.11
A.Salsa	A.Salsa	329	Tr200	37.06	3.08	6.45	5.18	6.47	0.0002	0.63	70.38	60.85	0.15
A.Salsa	A.Salsa	329	Tr500	53.53	3.08	6.66	5.59	6.68	0.000256	0.76	82.82	60.85	0.17
A.Salsa	A.Salsa	330	Tr30	15.31	3.16	6.18	4.52	6.19	0.000096	0.43	38.78	24.89	0.1
A.Salsa	A.Salsa	330	Tr200	37.06	3.16	6.47	5.3	6.47	0.000091	0.45	94.02	61.95	0.1



A.Salsa	A.Salsa	330	Tr500	53.53	3.16	6.68	5.72	6.69	0.000126	0.57	106.98	61.95	0.12
A.Salsa	A.Salsa	331	Tr30	15.31	3.17	6.18	4.36	6.19	0.000089	0.42	40.32	26.23	0.1
A.Salsa	A.Salsa	331	Tr200	37.06	3.17	6.47	5.16	6.48	0.00012	0.52	83.62	57.32	0.12
A.Salsa	A.Salsa	331	Tr500	53.53	3.17	6.68	5.57	6.69	0.000163	0.65	95.61	57.32	0.14
A.Salsa	A.Salsa	332	Tr30	15.31	3.22	6.17	4.59	6.21	0.000392	0.86	17.86	10.21	0.21
A.Salsa	A.Salsa	332	Tr200	37.06	3.22	6.36	5.34	6.53	0.001737	1.87	19.83	10.72	0.44
A.Salsa	A.Salsa	332	Tr500	53.53	3.22	6.68	5.75	6.7	0.000213	0.71	88.8	55.61	0.16
A.Salsa	A.Salsa	333	Tr30	15.31	3.37	6.21	4.71	6.25	0.000456	0.89	17.15	10.38	0.22
A.Salsa	A.Salsa	333	Tr200	37.06	3.37	6.58	5.5	6.6	0.000203	0.66	55.92	28.45	0.15
A.Salsa	A.Salsa	333	Tr500	53.53	3.37	6.7	5.9	6.72	0.000163	0.61	91.21	47.33	0.14
A.Salsa	A.Salsa	334	Tr30	15.31	3.43	6.23	4.78	6.28	0.000503	0.93	16.52	10.17	0.23
A.Salsa	A.Salsa	334	Tr200	37.06	3.43	6.58	5.57	6.62	0.000423	0.88	41.61	23.03	0.22
A.Salsa	A.Salsa	334	Tr500	53.53	3.43	6.71	5.98	6.72	0.000093	0.43	114.07	56.35	0.1
A.Salsa	A.Salsa	335	Tr30	15.31	3.51	6.26	4.87	6.3	0.000527	0.95	16.09	9.93	0.24
A.Salsa	A.Salsa	335	Tr200	37.06	3.51	6.6	5.62	6.64	0.000471	0.93	39.74	22.26	0.23
A.Salsa	A.Salsa	335	Tr500	53.53	3.51	6.67	6.03	6.76	0.000866	1.3	41.39	22.37	0.31
A.Salsa	A.Salsa	336	Tr30	15.31	3.65	6.31	5.01	6.36	0.000583	0.98	15.58	9.97	0.25
A.Salsa	A.Salsa	336	Tr200	37.06	3.65	6.65	5.75	6.68	0.000299	0.75	48.31	26.61	0.18
A.Salsa	A.Salsa	336	Tr500	53.53	3.65	6.77	6.15	6.83	0.000512	1.01	51.51	26.79	0.24
A.Salsa	A.Salsa	337	Tr30	15.31	3.79	6.37	5.1	6.42	0.000618	1.01	15.17	9.63	0.26
A.Salsa	A.Salsa	337	Tr200	37.06	3.79	6.68	5.84	6.72	0.000454	0.9	40.72	23.25	0.22
A.Salsa	A.Salsa	337	Tr500	53.53	3.79	6.82	6.24	6.89	0.000747	1.21	43.96	23.46	0.29
A.Salsa	A.Salsa	338	Tr30	15.31	3.93	6.43	5.35	6.5	0.0009	1.15	13.29	9.27	0.31
A.Salsa	A.Salsa	338	Tr200	37.06	3.93	6.58	6.11	6.91	0.004006	2.52	14.73	9.76	0.65
A.Salsa	A.Salsa	338	Tr500	53.53	3.93	6.57	6.52	7.25	0.008614	3.67	14.57	9.7	0.96
A.Salsa	A.Salsa	339	Tr30	15.31	4.07	6.52	5.47	6.59	0.000941	1.18	12.98	8.94	0.31
A.Salsa	A.Salsa	339	Tr200	37.06	4.07	7	6.22	7.22	0.002452	2.11	17.56	10.33	0.52
A.Salsa	A.Salsa	339	Tr500	53.53	4.07	7.34	6.63	7.47	0.001304	1.68	34.41	18.86	0.38
A.Salsa	A.Salsa	340	Tr30	15.31	4.07	6.55	5.47	6.62	0.000894	1.16	13.23	9.02	0.31
A.Salsa	A.Salsa	340	Tr200	37.06	4.07	7.2	6.22	7.28	0.000795	1.26	31.77	18.65	0.3
A.Salsa	A.Salsa	340	Tr500	53.53	4.07	7.48	6.63	7.49	0.000098	0.48	105.12	46.82	0.11
A.Salsa	A.Salsa	341	Tr30	15.31	4.14	6.62	5.34	6.63	0.00004	0.28	52.96	29.32	0.07
A.Salsa	A.Salsa	341	Tr200	37.06	4.14	7.27	5.92	7.29	0.000089	0.49	72.34	30.27	0.11
A.Salsa	A.Salsa	341	Tr500	53.53	4.14	7.47	5.92	7.5	0.000144	0.65	78.38	30.56	0.14
A.Salsa	A.Salsa	342	Tr30	15.31	4.19	6.58	5.57	6.65	0.000983	1.2	12.8	9	0.32
A.Salsa	A.Salsa	342	Tr200	37.06	4.19	7.15	6.31	7.36	0.002174	2.01	18.41	10.69	0.49
A.Salsa	A.Salsa	342	Tr500	53.53	4.19	7.48	6.71	7.51	0.000317	0.82	67.51	40.35	0.19
A.Salsa	A.Salsa	343	Tr30	13.49	4.19	6.61	5.49	6.66	0.000721	1.03	13.08	9.09	0.27
A.Salsa	A.Salsa	343	Tr200	21.9	4.19	7.33	5.84	7.38	0.000581	1.08	20.34	11.21	0.26
A.Salsa	A.Salsa	343	Tr500	26.15	4.19	7.5	5.98	7.51	0.000072	0.39	68.69	40.51	0.09
A.Salsa	A.Salsa	344	Tr30	13.49	4.27	6.65	5.63	6.72	0.001035	1.2	11.21	7.82	0.32
A.Salsa	A.Salsa	344	Tr200	21.9	4.27	7.39	6	7.4	0.000084	0.41	51.28	25.87	0.1
A.Salsa	A.Salsa	344	Tr500	26.15	4.27	7.51	6.16	7.52	0.0001	0.46	54.29	26.04	0.1
A.Salsa	A.Salsa	345	Tr30	13.49	4.29	6.66	5.67	6.74	0.001113	1.23	10.93	7.72	0.33
A.Salsa	A.Salsa	345	Tr200	21.9	4.29	7.39	6.05	7.4	0.000085	0.39	51.76	27.37	0.09
A.Salsa	A.Salsa	345	Tr500	26.15	4.29	7.51	6.2	7.52	0.000101	0.44	54.95	27.55	0.1
A.Salsa	A.Salsa	346	Tr30	13.49	4.29	6.67	5.67	6.75	0.001087	1.22	11.02	7.75	0.33
A.Salsa	A.Salsa	346	Tr200	21.9	4.29	7.39	6.05	7.4	0.000085	0.39	51.79	27.38	0.09
A.Salsa	A.Salsa	346	Tr500	26.15	4.29	7.51	6.2	7.52	0.0001	0.44	54.98	27.55	0.1
A.Salsa	A.Salsa	347	Tr30	13.49	5.01	6.58	6.58	7.04	0.011986	3	4.5	4.93	1
A.Salsa	A.Salsa	347	Tr200	21.9	5.01	7.09	6.97	7.55	0.008584	2.98	7.34	6.27	0.88
A.Salsa	A.Salsa	347	Tr500	26.15	5.01	7.14	7.14	7.74	0.011023	3.42	7.64	6.39	1
A.Salsa	A.Salsa	348	Tr30	13.49	5.12	6.88	6.68	7.17	0.006655	2.4	5.61	5.58	0.77
A.Salsa	A.Salsa	348	Tr200	21.9	5.12	7.27	7.06	7.65	0.006752	2.73	8.03	6.66	0.79
A.Salsa	A.Salsa	348	Tr500	26.15	5.12	7.76	7.22	7.82	0.000908	1.13	24.69	24.05	0.3
A.Salsa	A.Salsa	349	Tr30	13.49	5.08	7.02	6.61	7.23	0.00416	2.03	6.64	5.84	0.61
A.Salsa	A.Salsa	349	Tr200	21.9	5.08	7.43	7.01	7.71	0.004574	2.37	9.22	6.85	0.65
A.Salsa	A.Salsa	349	Tr500	26.15	5.08	7.79	7.17	7.83	0.000421	0.8	30.9	17.6	0.2
A.Salsa	A.Salsa	350	Tr30	13.49	5.05	7.07	6.66	7.27	0.003996	1.99	6.76	6.01	0.6
A.Salsa	A.Salsa	350	Tr200	21.9	5.05	7.49	7.05	7.76	0.004246	2.3	9.51	7.1	0.63
A.Salsa	A.Salsa	350	Tr500	26.15	5.05	7.81	7.21	7.83	0.000219	0.56	39.59	21.38	0.15
A.Salsa	A.Salsa	351	Tr30	13.49	5.12	7.14	6.69	7.34	0.003882	1.99	6.79	5.83	0.59
A.Salsa	A.Salsa	351	Tr200	21.9	5.12	7.56	7.09	7.83	0.004244	2.31	9.46	6.86	0.63
A.Salsa	A.Salsa	351	Tr500	26.15	5.12	7.8	7.26	7.84	0.000357	0.71	32.79	18.58	0.19

A.Salsa	A.Salsa	352	Tr30	13.49	5.23	7.25	6.72	7.42	0.003224	1.86	7.25	5.96	0.54
A.Salsa	A.Salsa	352	Tr200	21.9	5.23	7.68	7.12	7.93	0.003534	2.17	10.08	6.98	0.58
A.Salsa	A.Salsa	352	Tr500	26.15	5.23	7.57	7.29	7.97	0.006283	2.82	9.28	6.71	0.76
A.Salsa	A.Salsa	353	Tr30	13.49	5.26	7.3	6.76	7.47	0.00303	1.81	7.46	6.17	0.53
A.Salsa	A.Salsa	353	Tr200	21.9	5.26	7.75	7.15	7.97	0.003223	2.09	10.49	7.28	0.56
A.Salsa	A.Salsa	353	Tr500	26.15	5.26	7.73	7.32	8.05	0.00481	2.54	10.31	7.22	0.68
A.Salsa	A.Salsa	354	Tr30	13.49	5.33	7.37	6.84	7.53	0.002857	1.75	7.73	6.67	0.52
A.Salsa	A.Salsa	354	Tr200	21.9	5.33	7.98	7.22	8	0.000204	0.55	35.91	20.37	0.14
A.Salsa	A.Salsa	354	Tr500	26.15	5.33	8.07	7.37	8.1	0.00025	0.63	37.71	20.49	0.16
A.Salsa	A.Salsa	355	Tr30	13.49	5.36	7.53	6.97	7.69	0.002979	1.79	7.52	6.15	0.52
A.Salsa	A.Salsa	355	Tr200	21.9	5.36	7.84	7.37	8.11	0.004158	2.29	9.55	6.92	0.62
A.Salsa	A.Salsa	355	Tr500	26.15	5.36	8.08	7.54	8.12	0.000566	0.9	28.36	18.27	0.23
A.Salsa	A.Salsa	356	Tr30	13.49	5.6	7.62	7.07	7.78	0.002997	1.81	7.46	6.09	0.52
A.Salsa	A.Salsa	356	Tr200	21.9	5.6	7.98	7.46	8.23	0.003835	2.24	9.78	6.93	0.6
A.Salsa	A.Salsa	356	Tr500	26.15	5.6	7.84	7.63	8.28	0.00705	2.94	8.89	6.62	0.81
A.Salsa	A.Salsa	357	Tr30	13.49	5.62	7.77	7.07	7.89	0.002098	1.57	8.58	6.73	0.44
A.Salsa	A.Salsa	357	Tr200	21.9	5.62	8.18	7.46	8.36	0.002474	1.89	11.61	7.79	0.49
A.Salsa	A.Salsa	357	Tr500	26.15	5.62	8.34	7.62	8.36	0.000308	0.63	37.53	24.64	0.17
A.Salsa	A.Salsa	358	Tr30	13.49	5.7	7.83	7.26	7.99	0.002778	1.74	7.74	6.39	0.51
A.Salsa	A.Salsa	358	Tr200	21.9	5.7	8.26	7.65	8.47	0.003091	2.04	10.71	7.49	0.55
A.Salsa	A.Salsa	358	Tr500	26.15	5.7	8.12	7.81	8.49	0.005706	2.69	9.72	7.14	0.74
A.Salsa	A.Salsa	359	Tr30	13.49	5.82	8	7.42	8.15	0.002631	1.69	7.96	6.66	0.49
A.Salsa	A.Salsa	359	Tr200	21.9	5.82	8.46	7.8	8.63	0.002327	1.86	12.84	14.23	0.48
A.Salsa	A.Salsa	359	Tr500	26.15	5.82	8.53	7.96	8.74	0.002856	2.1	13.71	14.32	0.54
A.Salsa	A.Salsa	360	Tr30	13.49	5.97	8.03	7.63	8.26	0.004477	2.1	6.47	11.99	0.62
A.Salsa	A.Salsa	360	Tr200	21.9	5.97	8.56	8.25	8.7	0.002186	1.77	14.72	16.25	0.45
A.Salsa	A.Salsa	360	Tr500	26.15	5.97	8.66	8.35	8.81	0.002355	1.89	16.33	16.37	0.48
A.Salsa	A.Salsa	361	Tr30	13.49	5.99	8.32	7.65	8.33	0.000293	0.66	25.77	31.42	0.17
A.Salsa	A.Salsa	361	Tr200	21.9	5.99	8.73	7.79	8.75	0.000228	0.68	38.73	31.42	0.16
A.Salsa	A.Salsa	361	Tr500	26.15	5.99	8.84	7.86	8.87	0.000246	0.74	42.41	31.42	0.17
A.Salsa	A.Salsa	362	Tr30	13.49	6.61	8.23	8.08	8.39	0.004522	1.96	8.38	18.33	0.64
A.Salsa	A.Salsa	362	Tr200	21.9	6.61	8.7	8.36	8.77	0.001305	1.38	21.16	29.58	0.37
A.Salsa	A.Salsa	362	Tr500	26.15	6.61	8.82	8.47	8.89	0.001197	1.4	24.68	29.58	0.36
A.Salsa	A.Salsa	363	Tr30	13.49	6.98	8.88	8.88	9.12	0.005099	2.28	7.61	20.55	0.67
A.Salsa	A.Salsa	363	Tr200	21.9	6.98	9.13	9.13	9.32	0.004066	2.31	14.4	33.82	0.61
A.Salsa	A.Salsa	363	Tr500	26.15	6.98	9.19	9.19	9.39	0.004252	2.43	16.52	35.92	0.63
A.Salsa	A.Salsa	364	Tr30	13.49	7.08	8.96	8.96	9.18	0.004955	2.24	8.06	22.51	0.66
A.Salsa	A.Salsa	364	Tr200	21.9	7.08	9.18	9.18	9.37	0.004208	2.32	14.47	34.36	0.62
A.Salsa	A.Salsa	364	Tr500	26.15	7.08	9.26	9.23	9.44	0.003737	2.27	17.67	36.53	0.59
A.Salsa	A.Salsa	365	Tr30	13.49	7.41	9.15	9.14	9.3	0.003619	1.92	10.61	32.07	0.58
A.Salsa	A.Salsa	365	Tr200	21.9	7.41	9.34	9.28	9.46	0.003021	1.94	17.08	35.03	0.54
A.Salsa	A.Salsa	365	Tr500	26.15	7.41	9.4	9.33	9.53	0.003223	2.06	18.95	35.03	0.56
Antifossetto	Antifossetto2	1	Tr30	81.02	-2.33	3.14	0.77	3.18	0.000151	0.9	90.09	32.66	0.17
Antifossetto	Antifossetto2	1	Tr200	127.43	-2.33	3.08	1.18	3.19	0.000399	1.44	88.21	32.66	0.28
Antifossetto	Antifossetto2	1	Tr500	150.46	-2.33	3.05	1.37	3.21	0.000575	1.72	87.25	32.66	0.34
Antifossetto	Antifossetto2	2	Tr30	81.02	-1.73	3.17	0.52	3.21	0.000145	0.89	91.03	33.61	0.17
Antifossetto	Antifossetto2	2	Tr200	127.43	-1.73	3.16	1.02	3.26	0.000361	1.4	90.81	33.61	0.27
Antifossetto	Antifossetto2	2	Tr500	150.46	-1.73	3.17	1.25	3.31	0.000498	1.65	91.09	33.61	0.32
Antifossetto	Antifossetto2	3	Tr30	81.02	-1.32	3.27	0.99	3.33	0.000221	1.05	77.28	31.21	0.21
Antifossetto	Antifossetto2	3	Tr200	127.43	-1.32	3.4	1.46	3.53	0.000474	1.56	81.46	31.93	0.31
Antifossetto	Antifossetto2	3	Tr500	150.46	-1.32	3.5	1.66	3.66	0.000601	1.78	84.45	32.41	0.35
Antifossetto	Antifossetto2	3.4	Tr30	81.02	-1.16	3.35	0.59	3.39	0.000101	0.8	100.89	32.9	0.15
Antifossetto	Antifossetto2	3.4	Tr200	127.43	-1.16	3.58	1	3.65	0.000203	1.17	108.56	33.83	0.21
Antifossetto	Antifossetto2	3.4	Tr500	150.46	-1.16	3.73	1.18	3.82	0.00025	1.33	113.41	34.41	0.23
Antifossetto	Antifossetto2	3.5		Bridge									
Antifossetto	Antifossetto2	3.6	Tr30	81.02	-1	3.38	0.83	3.41	0.00009	0.76	107.24	35.69	0.14
Antifossetto	Antifossetto2	3.6	Tr200	127.43	-1	3.64	1.17	3.7	0.000174	1.09	116.76	36.76	0.2
Antifossetto	Antifossetto2	3.6	Tr500	150.46	-1	4.02	1.32	4.09	0.000176	1.15	130.97	38.31	0.2
Antifossetto	Antifossetto2	4	Tr30	81.02	-1	3.37	1.29	3.42	0.000211	0.96	84.05	38.16	0.21
Antifossetto	Antifossetto2	4	Tr200	127.43	-1	3.63	1.76	3.72	0.000387	1.35	94.15	40.37	0.28
Antifossetto	Antifossetto2	4	Tr500	150.46	-1	4.01	1.95	4.1	0.000346	1.37	110.1	42.32	0.27
Antifossetto	Antifossetto2	5	Tr30	81.02	-0.87	3.39	1.2	3.44	0.000201	0.96	84.22	35.74	0.2
Antifossetto	Antifossetto2	5	Tr200	127.43	-0.87	3.67	1.67	3.76	0.000365	1.35	94.34	37.42	0.27

Antifossetto	Antifossetto2	5	Tr500	150.46	-0.87	4.04	1.87	4.14	0.000329	1.39	108.36	37.42	0.26
Antifossetto	Antifossetto2	6	Tr30	81.02	-0.93	3.48	1.01	3.52	0.000181	0.93	93.65	48.35	0.19
Antifossetto	Antifossetto2	6	Tr200	127.43	-0.93	3.82	1.54	3.9	0.000274	1.25	110.22	48.35	0.24
Antifossetto	Antifossetto2	6	Tr500	150.46	-0.93	4.19	1.78	4.26	0.000242	1.28	127.79	48.35	0.23
Antifossetto	Antifossetto2	7	Tr30	81.02	-1.2	3.55	1	3.61	0.000177	1.04	78.04	24.59	0.19
Antifossetto	Antifossetto2	7	Tr200	127.43	-1.2	3.93	1.54	4.04	0.000312	1.46	87.33	24.59	0.25
Antifossetto	Antifossetto2	7	Tr500	150.46	-1.2	4.28	1.78	4.4	0.000328	1.57	95.89	24.59	0.25
Antifossetto	Antifossetto2	8	Tr30	81.02	-1.12	3.6	0.92	3.67	0.000199	1.13	71.52	20.73	0.19
Antifossetto	Antifossetto2	8	Tr200	127.43	-1.12	4.02	1.46	4.15	0.000351	1.59	80.16	20.73	0.26
Antifossetto	Antifossetto2	8	Tr500	150.46	-1.12	4.37	1.71	4.52	0.000379	1.72	87.45	20.73	0.27
Antifossetto	Antifossetto2	9	Tr30	81.02	-0.83	3.64	1.24	3.7	0.000204	1.13	71.94	21.78	0.2
Antifossetto	Antifossetto2	9	Tr200	127.43	-0.83	4.09	1.76	4.21	0.000345	1.56	81.69	21.78	0.26
Antifossetto	Antifossetto2	9	Tr500	150.46	-0.83	4.45	2	4.59	0.000368	1.68	89.49	21.78	0.26
Antifossetto	Antifossetto2	10	Tr30	81.02	-1.05	3.39	3	3.94	0.004485	3.31	24.46	14.36	0.81
Antifossetto	Antifossetto2	10	Tr200	127.43	-1.05	3.7	3.7	4.68	0.006658	4.37	29.19	15.04	1
Antifossetto	Antifossetto2	10	Tr500	150.46	-1.05	3.98	3.94	5.02	0.006247	4.51	33.36	15.37	0.98
Antifossetto	Antifossetto2	11	Tr30	81.02	-1.76	3.97	1.51	4.09	0.000443	1.55	52.13	15.63	0.27
Antifossetto	Antifossetto2	11	Tr200	127.43	-1.76	4.7	2.2	4.9	0.000622	2.01	63.48	15.63	0.32
Antifossetto	Antifossetto2	11	Tr500	150.46	-1.76	5.01	2.48	5.26	0.000702	2.2	68.37	15.63	0.34
Antifossetto	Antifossetto2	12	Tr30	81.02	-2.31	4.11	0.49	4.14	0.000077	0.79	102.2	24.92	0.12
Antifossetto	Antifossetto2	12	Tr200	127.43	-2.31	4.92	1.1	4.98	0.000113	1.04	122.36	24.92	0.15
Antifossetto	Antifossetto2	12	Tr500	150.46	-2.31	5.27	1.31	5.34	0.000128	1.15	131.16	24.92	0.16
Antifossetto	Antifossetto	13	Tr30	55.05	-2.24	4.13	0.9	4.15	0.000058	0.6	92.29	27.49	0.1
Antifossetto	Antifossetto	13	Tr200	85.66	-2.24	4.95	1.26	4.98	0.000073	0.75	114.96	27.49	0.12
Antifossetto	Antifossetto	13	Tr500	100.82	-2.24	5.32	1.43	5.35	0.000078	0.81	124.89	27.49	0.12
Antifossetto	Antifossetto	14	Tr30	55.05	-2.12	4.14	0.76	4.16	0.000048	0.56	99.03	29.66	0.1
Antifossetto	Antifossetto	14	Tr200	85.66	-2.12	4.97	1.17	4.99	0.00006	0.69	123.58	29.66	0.11
Antifossetto	Antifossetto	14	Tr500	100.82	-2.12	5.33	1.34	5.36	0.000064	0.75	134.34	29.66	0.11
Antifossetto	Antifossetto	15	Tr30	55.05	-2.34	4.14	0.88	4.16	0.000049	0.55	100.13	28.92	0.09
Antifossetto	Antifossetto	15	Tr200	85.66	-2.34	4.97	1.24	4.99	0.000061	0.69	124.08	28.92	0.11
Antifossetto	Antifossetto	15	Tr500	100.82	-2.34	5.33	1.4	5.36	0.000066	0.75	134.57	28.92	0.11
Antifossetto	Antifossetto	16	Tr30	55.05	-2.17	4.15	1.12	4.17	0.000057	0.58	95.33	29.13	0.1
Antifossetto	Antifossetto	16	Tr200	85.66	-2.17	4.98	1.48	5.01	0.000069	0.72	119.5	29.13	0.11
Antifossetto	Antifossetto	16	Tr500	100.82	-2.17	5.34	1.65	5.37	0.000074	0.77	130.09	29.13	0.12
Antifossetto	Antifossetto	17	Tr30	55.05	-2.03	4.16	1.09	4.18	0.000054	0.58	95.29	27.81	0.1
Antifossetto	Antifossetto	17	Tr200	85.66	-2.03	4.99	1.49	5.02	0.000068	0.72	118.42	27.81	0.11
Antifossetto	Antifossetto	17	Tr500	100.82	-2.03	5.36	1.7	5.39	0.000074	0.78	128.55	27.81	0.12
Antifossetto	Antifossetto	18	Tr30	55.05	-2.11	4.18	0.99	4.2	0.000055	0.61	90.54	23.77	0.1
Antifossetto	Antifossetto	18	Tr200	85.66	-2.11	5.01	1.35	5.04	0.000074	0.78	110.42	23.77	0.11
Antifossetto	Antifossetto	18	Tr500	100.82	-2.11	5.38	1.51	5.42	0.000082	0.85	119.11	23.77	0.12
Antifossetto	Antifossetto	19	Tr30	55.05	-2.24	4.19	1.13	4.21	0.00006	0.61	89.86	23.81	0.1
Antifossetto	Antifossetto	19	Tr200	85.66	-2.24	5.03	1.48	5.06	0.000079	0.78	109.86	23.81	0.12
Antifossetto	Antifossetto	19	Tr500	100.82	-2.24	5.4	1.64	5.43	0.000088	0.85	118.61	23.81	0.12
Antifossetto	Antifossetto	20	Tr30	55.05	-2.18	4.2	1.16	4.22	0.000055	0.58	94.29	25.67	0.1
Antifossetto	Antifossetto	20	Tr200	85.66	-2.18	5.05	1.49	5.07	0.000071	0.74	115.97	25.67	0.11
Antifossetto	Antifossetto	20	Tr500	100.82	-2.18	5.41	1.66	5.45	0.000078	0.8	125.46	25.67	0.12
Antifossetto	Antifossetto	21	Tr30	55.05	-1.98	4.2	0.96	4.22	0.000052	0.6	92.3	24.59	0.1
Antifossetto	Antifossetto	21	Tr200	85.66	-1.98	5.05	1.31	5.08	0.000068	0.76	113.08	24.59	0.11
Antifossetto	Antifossetto	21	Tr500	100.82	-1.98	5.42	1.46	5.45	0.000075	0.83	122.17	24.59	0.12
Antifossetto	Antifossetto	22	Tr30	55.05	-2.31	4.22	0.94	4.24	0.000052	0.6	92.02	23.84	0.1
Antifossetto	Antifossetto	22	Tr200	85.66	-2.31	5.07	1.3	5.1	0.00007	0.76	112.27	23.84	0.11
Antifossetto	Antifossetto	22	Tr500	100.82	-2.31	5.44	1.45	5.47	0.000077	0.83	121.13	23.84	0.12
Antifossetto	Antifossetto	23	Tr30	55.05	-2	4.23	0.99	4.25	0.000046	0.55	99.47	27.6	0.09
Antifossetto	Antifossetto	23	Tr200	85.66	-2	5.09	1.32	5.11	0.000059	0.7	123.08	27.6	0.11
Antifossetto	Antifossetto	23	Tr500	100.82	-2	5.46	1.47	5.49	0.000064	0.76	133.41	27.6	0.11
Antifossetto	Antifossetto	24	Tr30	55.05	-1.76	4.24	1.19	4.26	0.000066	0.63	87.36	26.27	0.11
Antifossetto	Antifossetto	24	Tr200	85.66	-1.76	5.1	1.64	5.13	0.000079	0.78	109.88	26.27	0.12
Antifossetto	Antifossetto	24	Tr500	100.82	-1.76	5.47	1.91	5.51	0.000085	0.84	119.73	26.27	0.13
Antifossetto	Antifossetto	25	Tr30	55.05	-1.81	4.25	1.44	4.27	0.000068	0.63	87.04	26.07	0.11
Antifossetto	Antifossetto	25	Tr200	85.66	-1.81	5.11	1.81	5.14	0.000082	0.78	109.45	26.07	0.12
Antifossetto	Antifossetto	25	Tr500	100.82	-1.81	5.49	1.96	5.52	0.000088	0.85	119.26	26.07	0.13
Antifossetto	Antifossetto	26	Tr30	55.05	-1.79	4.27	1.15	4.29	0.000054	0.6	92.22	25.83	0.1
Antifossetto	Antifossetto	26	Tr200	85.66	-1.79	5.14	1.58	5.17	0.000068	0.75	114.54	25.83	0.11
Antifossetto	Antifossetto	26	Tr500	100.82	-1.79	5.52	1.73	5.55	0.000074	0.81	124.31	25.83	0.12

Antifossetto	Antifossetto	27	Tr30	55.05	-1.91	4.29	0.2	4.3	0.000047	0.56	97.63	25.27	0.09
Antifossetto	Antifossetto	27	Tr200	85.66	-1.91	5.15	0.9	5.18	0.000061	0.72	119.57	25.27	0.11
Antifossetto	Antifossetto	27	Tr500	100.82	-1.91	5.53	1.15	5.56	0.000068	0.78	129.16	25.27	0.11
Antifossetto	Antifossetto	28	Tr30	55.05	-2.07	4.29	-0.01	4.31	0.000045	0.55	100.09	27.07	0.09
Antifossetto	Antifossetto	28	Tr200	85.66	-2.07	5.17	0.84	5.19	0.000058	0.69	123.68	27.07	0.1
Antifossetto	Antifossetto	28	Tr500	100.82	-2.07	5.55	1.07	5.58	0.000063	0.75	133.99	27.07	0.11
Antifossetto	Antifossetto	29	Tr30	55.05	-1.89	4.3	0.32	4.32	0.000044	0.54	101.93	27.38	0.09
Antifossetto	Antifossetto	29	Tr200	85.66	-1.89	5.18	1.09	5.2	0.000057	0.68	125.85	27.38	0.1
Antifossetto	Antifossetto	29	Tr500	100.82	-1.89	5.56	1.31	5.59	0.000062	0.74	136.31	27.38	0.11
Antifossetto	Antifossetto	30	Tr30	55.05	-1.89	4.32	0.37	4.33	0.000041	0.51	108.1	30.63	0.09
Antifossetto	Antifossetto	30	Tr200	85.66	-1.89	5.2	1.29	5.22	0.00005	0.63	135.03	30.63	0.1
Antifossetto	Antifossetto	30	Tr500	100.82	-1.89	5.58	1.46	5.61	0.000054	0.69	146.8	30.63	0.1
Antifossetto	Antifossetto	31	Tr30	55.05	-1.91	4.32	1.07	4.34	0.000041	0.5	110.45	33.27	0.09
Antifossetto	Antifossetto	31	Tr200	85.66	-1.91	5.21	1.42	5.22	0.000048	0.61	139.76	33.27	0.1
Antifossetto	Antifossetto	31	Tr500	100.82	-1.91	5.59	1.57	5.61	0.000051	0.66	152.57	33.27	0.1
Antifossetto	Antifossetto	32	Tr30	55.05	-1.75	4.33	1.25	4.35	0.00007	0.66	83.55	24.76	0.11
Antifossetto	Antifossetto	32	Tr200	85.66	-1.75	5.21	1.68	5.25	0.000085	0.81	105.34	24.76	0.13
Antifossetto	Antifossetto	32	Tr500	100.82	-1.75	5.6	1.85	5.64	0.000091	0.88	114.86	24.76	0.13
Antifossetto	Antifossetto	33	Tr30	55.05	-2.06	4.34	1.33	4.37	0.000088	0.69	79.64	24.75	0.12
Antifossetto	Antifossetto	33	Tr200	85.66	-2.06	5.22	1.74	5.26	0.000102	0.84	101.46	24.75	0.13
Antifossetto	Antifossetto	33	Tr500	100.82	-2.06	5.61	1.91	5.65	0.000108	0.91	111	24.75	0.14
Antifossetto	Antifossetto	34	Tr30	55.05	-1.98	4.37	1.29	4.39	0.000075	0.65	84.08	26.38	0.12
Antifossetto	Antifossetto	34	Tr200	85.66	-1.98	5.26	1.71	5.29	0.000086	0.8	107.48	26.38	0.13
Antifossetto	Antifossetto	34	Tr500	100.82	-1.98	5.64	1.88	5.68	0.00009	0.86	117.71	26.38	0.13
Antifossetto	Antifossetto	35	Tr30	55.05	-1.88	4.37	1.38	4.4	0.00007	0.66	83.21	24.22	0.11
Antifossetto	Antifossetto	35	Tr200	85.66	-1.88	5.26	1.78	5.3	0.000085	0.82	104.7	24.22	0.13
Antifossetto	Antifossetto	35	Tr500	100.82	-1.88	5.65	1.95	5.69	0.000091	0.88	114.09	24.22	0.13
Antifossetto	Antifossetto	36	Tr30	55.05	-1.86	4.39	0.75	4.4	0.000045	0.58	95.18	24.2	0.09
Antifossetto	Antifossetto	36	Tr200	85.66	-1.86	5.28	1.19	5.31	0.00006	0.73	116.73	24.2	0.11
Antifossetto	Antifossetto	36	Tr500	100.82	-1.86	5.67	1.37	5.7	0.000066	0.8	126.15	24.2	0.11
Antifossetto	Antifossetto	37	Tr30	55.05	-1.85	4.39	0.67	4.41	0.000046	0.59	93.84	23.23	0.09
Antifossetto	Antifossetto	37	Tr200	85.66	-1.85	5.28	1.17	5.31	0.000062	0.75	114.56	23.23	0.11
Antifossetto	Antifossetto	37	Tr500	100.82	-1.85	5.67	1.4	5.71	0.000068	0.82	123.62	23.23	0.11
Antifossetto	Antifossetto	38	Tr30	55.05	-1.82	4.4	1.11	4.42	0.000062	0.64	86.27	23.63	0.11
Antifossetto	Antifossetto	38	Tr200	85.66	-1.82	5.29	1.55	5.32	0.000078	0.8	107.39	23.63	0.12
Antifossetto	Antifossetto	38	Tr500	100.82	-1.82	5.68	1.76	5.72	0.000085	0.86	116.62	23.63	0.12
Antifossetto	Antifossetto	39.4	Tr30	55.05	-1.7	4.4	0.89	4.42	0.000084	0.59	92.67	22.39	0.08
Antifossetto	Antifossetto	39.4	Tr200	85.66	-1.7	5.3	1.77	5.33	0.000111	0.75	112.7	22.39	0.09
Antifossetto	Antifossetto	39.4	Tr500	100.82	-1.7	5.69	2.16	5.72	0.000123	0.82	121.45	22.39	0.1
Antifossetto	Antifossetto	39.5		Culvert									
Antifossetto	Antifossetto	39.6	Tr30	55.05	-1.06	4.83	1.6	4.84	0.000066	0.55	99.15	22.39	0.07
Antifossetto	Antifossetto	39.6	Tr200	85.66	-1.06	5.54	2.34	5.57	0.000101	0.74	115.02	22.39	0.09
Antifossetto	Antifossetto	39.6	Tr500	100.82	-1.06	5.86	2.34	5.9	0.000116	0.82	122.33	22.39	0.1
Antifossetto	Antifossetto	41	Tr30	55.05	-0.94	4.84	1.14	4.85	0.000034	0.51	107.15	24.62	0.08
Antifossetto	Antifossetto	41	Tr200	85.66	-0.94	5.55	1.47	5.57	0.000052	0.69	124.7	24.62	0.1
Antifossetto	Antifossetto	41	Tr500	100.82	-0.94	5.88	1.62	5.91	0.00006	0.76	132.81	24.62	0.1
Antifossetto	Antifossetto	42	Tr30	55.05	-0.81	4.84	1.09	4.86	0.000049	0.6	91.41	20.83	0.09
Antifossetto	Antifossetto	42	Tr200	85.66	-0.81	5.56	1.47	5.59	0.000076	0.81	106.3	20.83	0.11
Antifossetto	Antifossetto	42	Tr500	100.82	-0.81	5.88	1.64	5.93	0.000088	0.89	113.16	20.83	0.12
Antifossetto	Antifossetto	43	Tr30	55.05	-0.72	4.85	1.36	4.87	0.000058	0.65	84.42	20.01	0.1
Antifossetto	Antifossetto	43	Tr200	85.66	-0.72	5.57	1.74	5.61	0.00009	0.87	98.8	20.01	0.12
Antifossetto	Antifossetto	43	Tr500	100.82	-0.72	5.9	1.91	5.94	0.000103	0.96	105.43	20.01	0.13
Antifossetto	Antifossetto	44	Tr30	55.05	-0.74	4.87	1.46	4.88	0.000035	0.56	106.82	30	0.09
Antifossetto	Antifossetto	44	Tr200	85.66	-0.74	5.6	1.85	5.62	0.000047	0.73	128.72	30	0.11
Antifossetto	Antifossetto	44	Tr500	100.82	-0.74	5.93	2.02	5.96	0.000052	0.8	138.82	30	0.11
Antifossetto	Antifossetto	45	Tr30	55.05	-0.65	4.88	1.44	4.9	0.000056	0.64	86.38	21.32	0.1
Antifossetto	Antifossetto	45	Tr200	85.66	-0.65	5.62	1.8	5.65	0.000083	0.84	102.04	21.32	0.12
Antifossetto	Antifossetto	45	Tr500	100.82	-0.65	5.95	1.97	6	0.000094	0.92	109.25	21.32	0.13
Antifossetto	Antifossetto	46	Tr30	55.05	-0.72	4.91	0.99	4.93	0.000038	0.54	105.64	30.28	0.09
Antifossetto	Antifossetto	46	Tr200	85.66	-0.72	5.66	1.41	5.68	0.000051	0.69	128.36	30.28	0.11
Antifossetto	Antifossetto	46	Tr500	100.82	-0.72	6.01	1.6	6.03	0.000055	0.75	138.8	30.28	0.11
Antifossetto	Antifossetto	46.4	Tr30	55.05	-0.87	4.91	1.06	4.93	0.000057	0.59	93.27	30.7	0.11
Antifossetto	Antifossetto	46.4	Tr200	85.66	-0.87	5.66	1.52	5.69	0.000082	0.73	117.65	38.65	0.13

Antifossetto	Antifossetto	46.4	Tr500	100.82	-0.87	6.01	1.72	6.04	0.000124	0.75	134.64	66.43	0.16
Antifossetto	Antifossetto	46.5		Bridge									
Antifossetto	Antifossetto	46.6	Tr30	55.05	-0.87	5.04	1.06	5.06	0.00005	0.57	97.29	31.15	0.1
Antifossetto	Antifossetto	46.6	Tr200	85.66	-0.87	5.89	1.52	5.92	0.000091	0.67	128.27	52.24	0.14
Antifossetto	Antifossetto	46.6	Tr500	100.82	-0.87	6.18	1.72	6.21	0.000111	0.69	146.29	66.43	0.15
Antifossetto	Antifossetto	47	Tr30	55.05	-0.39	5.05	1.61	5.08	0.000064	0.67	82.51	21.35	0.11
Antifossetto	Antifossetto	47	Tr200	85.66	-0.39	5.91	2.06	5.95	0.000086	0.85	100.85	21.35	0.12
Antifossetto	Antifossetto	47	Tr500	100.82	-0.39	6.2	2.25	6.25	0.0001	0.94	107.03	21.35	0.13
Antifossetto	Antifossetto	48	Tr30	55.05	-0.1	5.07	1.76	5.09	0.000069	0.71	78.05	19.71	0.11
Antifossetto	Antifossetto	48	Tr200	85.66	-0.1	5.93	2.18	5.98	0.000095	0.9	95.09	19.71	0.13
Antifossetto	Antifossetto	48	Tr500	100.82	-0.1	6.23	2.36	6.28	0.000111	1	100.86	19.71	0.14
Antifossetto	Antifossetto	49	Tr30	55.05	0.04	5.09	1.86	5.11	0.000068	0.69	79.62	21.23	0.11
Antifossetto	Antifossetto	49	Tr200	85.66	0.04	5.96	2.27	6	0.000089	0.87	98.11	21.23	0.13
Antifossetto	Antifossetto	49	Tr500	100.82	0.04	6.25	2.45	6.3	0.000103	0.97	104.42	21.23	0.14
Antifossetto	Antifossetto	50	Tr30	55.05	0.24	5.1	2.1	5.13	0.000082	0.74	74.28	20.72	0.12
Antifossetto	Antifossetto	50	Tr200	85.66	0.24	5.98	2.5	6.02	0.000105	0.93	92.44	20.72	0.14
Antifossetto	Antifossetto	50	Tr500	100.82	0.24	6.28	2.67	6.33	0.00012	1.02	98.67	20.72	0.15
Antifossetto	Antifossetto	51	Tr30	55.05	0.74	5.14	2.67	5.16	0.00007	0.67	89.11	32.54	0.12
Antifossetto	Antifossetto	51	Tr200	85.66	0.74	6.03	3.06	6.06	0.000071	0.79	118.67	34.09	0.13
Antifossetto	Antifossetto	51	Tr500	100.82	0.74	6.34	3.24	6.37	0.000076	0.86	129.31	34.83	0.13
Antifossetto	Antifossetto	51.4	Tr30	55.05	0.75	5.13	3.04	5.17	0.000186	0.91	60.58	25.87	0.19
Antifossetto	Antifossetto	51.4	Tr200	85.66	0.75	6.02	3.46	6.07	0.000189	1	85.8	32.4	0.2
Antifossetto	Antifossetto	51.4	Tr500	100.82	0.75	6.33	3.63	6.38	0.00019	1.05	96.42	35.79	0.2
Antifossetto	Antifossetto	51.5		Bridge									
Antifossetto	Antifossetto	51.6	Tr30	55.05	0.78	5.2	2.98	5.24	0.000161	0.87	63.28	25.83	0.18
Antifossetto	Antifossetto	51.6	Tr200	85.66	0.78	6.14	3.52	6.19	0.000154	0.96	89.4	30.46	0.18
Antifossetto	Antifossetto	51.6	Tr500	100.82	0.78	6.48	3.68	6.53	0.000155	1.01	99.91	31.49	0.18
Antifossetto	Antifossetto	52	Tr30	55.05	0.99	5.22	2.92	5.27	0.000164	0.91	60.18	22.18	0.18
Antifossetto	Antifossetto	52	Tr200	85.66	0.99	6.16	3.34	6.21	0.000163	1.06	80.87	22.18	0.18
Antifossetto	Antifossetto	52	Tr500	100.82	0.99	6.49	3.52	6.56	0.000174	1.14	88.35	22.18	0.18
Antifossetto	Antifossetto	53	Tr30	55.05	1.08	5.25	3.13	5.3	0.000213	0.99	55.36	22.03	0.2
Antifossetto	Antifossetto	53	Tr200	85.66	1.08	6.18	3.53	6.24	0.000198	1.13	75.88	22.03	0.19
Antifossetto	Antifossetto	53	Tr500	100.82	1.08	6.52	3.71	6.59	0.000208	1.21	83.34	22.03	0.2
Antifossetto	Antifossetto	54	Tr30	55.05	1.22	5.3	3.4	5.36	0.00031	1.02	53.76	28.55	0.24
Antifossetto	Antifossetto	54	Tr200	85.66	1.22	6.23	3.81	6.29	0.000214	1.05	81.62	30	0.2
Antifossetto	Antifossetto	54	Tr500	100.82	1.22	6.58	3.99	6.64	0.000205	1.1	91.93	30	0.2
Antifossetto	Antifossetto	54.2	Tr30	55.05	1.36	5.37	3.55	5.42	0.000288	0.97	58.23	37.66	0.23
Antifossetto	Antifossetto	54.2	Tr200	85.66	1.36	6.28	3.94	6.33	0.000164	0.97	92.67	37.66	0.19
Antifossetto	Antifossetto	54.2	Tr500	100.82	1.36	6.63	4.1	6.68	0.00015	1	105.61	37.66	0.18
Antifossetto	Antifossetto	54.4	Tr30	55.05	1.57	5.19	4.34	5.51	0.001981	2.51	21.96	10.66	0.56
Antifossetto	Antifossetto	54.4	Tr200	85.66	1.57	6.08	4.96	6.42	0.001796	2.58	33.14	14.72	0.55
Antifossetto	Antifossetto	54.4	Tr500	100.82	1.57	6.42	5.22	6.77	0.00174	2.63	38.4	16.44	0.55
Antifossetto	Antifossetto	54.5		Bridge									
Antifossetto	Antifossetto	54.6	Tr30	55.05	1.57	5.24	4.34	5.54	0.001861	2.45	22.48	10.78	0.54
Antifossetto	Antifossetto	54.6	Tr200	85.66	1.57	6.18	4.96	6.49	0.001618	2.48	34.6	15.21	0.52
Antifossetto	Antifossetto	54.6	Tr500	100.82	1.57	6.56	5.22	6.87	0.001513	2.48	40.63	17.12	0.51
Antifossetto	Antifossetto	56	Tr30	55.05	1.54	5.55	3.55	5.6	0.000216	1.01	54.27	21.26	0.2
Antifossetto	Antifossetto	56	Tr200	85.66	1.54	6.48	3.95	6.55	0.000205	1.16	74.08	21.26	0.2
Antifossetto	Antifossetto	56	Tr500	100.82	1.54	6.85	4.12	6.93	0.000212	1.23	81.84	21.26	0.2
Antifossetto	Antifossetto	57	Tr30	55.05	1.79	5.63	3.97	5.69	0.000277	1.1	49.96	20.16	0.22
Antifossetto	Antifossetto	57	Tr200	85.66	1.79	6.55	4.34	6.63	0.000258	1.25	68.62	20.16	0.22
Antifossetto	Antifossetto	57	Tr500	100.82	1.79	6.92	4.5	7.01	0.000264	1.33	76	20.16	0.22
Antifossetto	Antifossetto	58	Tr30	55.05	2.15	5.7	4.12	5.78	0.000341	1.22	45.01	17.89	0.25
Antifossetto	Antifossetto	58	Tr200	85.66	2.15	6.62	4.5	6.72	0.000328	1.39	61.41	17.89	0.24
Antifossetto	Antifossetto	58	Tr500	100.82	2.15	6.98	4.66	7.1	0.000338	1.48	67.96	17.89	0.24
Antifossetto	Grecciano	58.6	Tr30	32.14	2.13	5.77	3.19	5.79	0.000131	0.63	56.39	32.3	0.13
Antifossetto	Grecciano	58.6	Tr200	49.62	2.13	6.71	3.55	6.73	0.00009	0.64	86.79	32.3	0.11
Antifossetto	Grecciano	58.6	Tr500	58.27	2.13	7.09	3.71	7.11	0.000083	0.66	99.05	32.3	0.11
Antifossetto	Grecciano	58.8		Bridge									
Antifossetto	Grecciano	59	Tr30	32.14	2.16	6.27	3.27	6.29	0.000071	0.52	61.41	19.28	0.09
Antifossetto	Grecciano	59	Tr200	49.62	2.16	6.88	3.6	6.9	0.000101	0.68	73.1	19.28	0.11
Antifossetto	Grecciano	59	Tr500	58.27	2.16	7.21	3.75	7.24	0.000109	0.73	79.44	19.28	0.12

Antifossetto	Grecciano	60	Tr30	32.14	2.63	6.29	4.06	6.31	0.000116	0.62	52.22	20.05	0.12
Antifossetto	Grecciano	60	Tr200	49.62	2.63	6.9	4.36	6.93	0.000147	0.77	64.47	20.05	0.14
Antifossetto	Grecciano	60	Tr500	58.27	2.63	7.23	4.49	7.26	0.000151	0.82	71.09	20.05	0.14
Antifossetto	Grecciano	61	Tr30	32.14	2.49	6.31	3.73	6.32	0.000093	0.58	55.59	19.01	0.11
Antifossetto	Grecciano	61	Tr200	49.62	2.49	6.92	4.04	6.95	0.000125	0.74	67.31	19.01	0.13
Antifossetto	Grecciano	61	Tr500	58.27	2.49	7.25	4.18	7.29	0.000133	0.79	73.6	19.01	0.13
Antifossetto	Grecciano	62	Tr30	32.14	2.18	6.32	3.66	6.34	0.000088	0.57	56.26	18.84	0.11
Antifossetto	Grecciano	62	Tr200	49.62	2.18	6.94	3.97	6.97	0.00012	0.73	67.97	18.84	0.12
Antifossetto	Grecciano	62	Tr500	58.27	2.18	7.27	4.11	7.3	0.000128	0.79	74.23	18.84	0.13
Antifossetto	Grecciano	63	Tr30	32.14	2.42	6.33	3.92	6.35	0.000116	0.62	51.6	18.89	0.12
Antifossetto	Grecciano	63	Tr200	49.62	2.42	6.96	4.22	6.99	0.000149	0.78	63.42	18.89	0.14
Antifossetto	Grecciano	63	Tr500	58.27	2.42	7.29	4.36	7.33	0.000156	0.84	69.72	18.89	0.14
Antifossetto	Grecciano	64	Tr30	32.14	2.72	6.35	4.15	6.37	0.000136	0.67	48.1	18.01	0.13
Antifossetto	Grecciano	64	Tr200	49.62	2.72	6.98	4.46	7.01	0.000173	0.83	59.44	18.01	0.15
Antifossetto	Grecciano	64	Tr500	58.27	2.72	7.31	4.6	7.35	0.00018	0.89	65.46	18.01	0.15
Antifossetto	Grecciano	65	Tr30	32.14	2.56	6.37	4.25	6.39	0.000172	0.72	44.36	17.65	0.15
Antifossetto	Grecciano	65	Tr200	49.62	2.56	7	4.57	7.04	0.00021	0.89	55.54	17.65	0.16
Antifossetto	Grecciano	65	Tr500	58.27	2.56	7.33	4.71	7.38	0.000215	0.95	61.45	17.65	0.16
Antifossetto	Grecciano	66	Tr30	32.14	2.87	6.39	4.25	6.41	0.000147	0.68	47.28	17.67	0.13
Antifossetto	Grecciano	66	Tr200	49.62	2.87	7.03	4.55	7.07	0.000185	0.85	58.59	17.67	0.15
Antifossetto	Grecciano	66	Tr500	58.27	2.87	7.37	4.74	7.41	0.000192	0.9	64.52	17.67	0.15
Antifossetto	Grecciano	67	Tr30	26.42	3.03	6.41	4.41	6.43	0.000134	0.61	43.51	18.9	0.13
Antifossetto	Grecciano	67	Tr200	40.9	3.03	7.06	4.7	7.08	0.000152	0.73	55.74	18.9	0.14
Antifossetto	Grecciano	67	Tr500	48.05	3.03	7.39	4.83	7.42	0.000151	0.77	62.13	18.9	0.14
Antifossetto	Grecciano	68	Tr30	26.42	3.1	6.42	4.35	6.44	0.000124	0.61	43.31	17.16	0.12
Antifossetto	Grecciano	68	Tr200	40.9	3.1	7.07	4.64	7.1	0.000151	0.75	54.46	17.16	0.13
Antifossetto	Grecciano	68	Tr500	48.05	3.1	7.41	4.76	7.44	0.000155	0.8	60.25	17.16	0.14
Antifossetto	Grecciano	69	Tr30	26.42	3.02	6.45	4.37	6.47	0.000162	0.66	39.82	16.83	0.14
Antifossetto	Grecciano	69	Tr200	40.9	3.02	7.1	4.69	7.13	0.000187	0.8	50.81	16.83	0.15
Antifossetto	Grecciano	69	Tr500	48.05	3.02	7.44	4.83	7.47	0.000188	0.85	56.5	16.83	0.15
Antifossetto	Grecciano	69.8	Tr30	26.42	2.99	6.46	4.24	6.48	0.000099	0.56	47.34	18.15	0.11
Antifossetto	Grecciano	69.8	Tr200	40.9	2.99	7.12	4.52	7.15	0.000121	0.69	59.27	18.15	0.12
Antifossetto	Grecciano	69.8	Tr500	48.05	2.99	7.46	4.64	7.49	0.000125	0.73	65.42	18.15	0.12
Antifossetto	Grecciano	69.9		Culvert									
Antifossetto	Grecciano	70	Tr30	26.42	2.99	6.48	4.24	6.5	0.000097	0.55	47.66	18.15	0.11
Antifossetto	Grecciano	70	Tr200	40.9	2.99	7.14	4.52	7.16	0.000119	0.69	59.59	18.15	0.12
Antifossetto	Grecciano	70	Tr500	48.05	2.99	7.49	4.64	7.52	0.000122	0.73	65.93	18.15	0.12
Antifossetto	Grecciano	71	Tr30	26.42	3.07	6.49	4.47	6.51	0.000172	0.68	38.64	16.83	0.14
Antifossetto	Grecciano	71	Tr200	40.9	3.07	7.15	4.78	7.18	0.000194	0.82	49.72	16.83	0.15
Antifossetto	Grecciano	71	Tr500	48.05	3.07	7.5	4.91	7.54	0.000192	0.86	55.6	16.83	0.15
Antifossetto	Grecciano	72	Tr30	26.42	3.38	6.51	4.66	6.54	0.000189	0.71	37.44	17	0.15
Antifossetto	Grecciano	72	Tr200	40.9	3.38	7.17	4.95	7.21	0.000206	0.84	48.67	17	0.16
Antifossetto	Grecciano	72	Tr500	48.05	3.38	7.52	5.08	7.56	0.000203	0.88	54.6	17	0.16
Antifossetto	Grecciano	73	Tr30	26.42	3.34	6.53	4.67	6.56	0.000204	0.73	36.24	16.68	0.16
Antifossetto	Grecciano	73	Tr200	40.9	3.34	7.19	4.98	7.23	0.00022	0.87	47.28	16.68	0.16
Antifossetto	Grecciano	73	Tr500	48.05	3.34	7.54	5.11	7.58	0.000216	0.91	53.09	16.68	0.16
Antifossetto	Grecciano	74	Tr30	26.42	3.39	6.55	4.8	6.58	0.000263	0.78	33.74	17.02	0.18
Antifossetto	Grecciano	74	Tr200	40.9	3.39	7.21	5.1	7.25	0.000263	0.91	45.03	17.02	0.18
Antifossetto	Grecciano	74	Tr500	48.05	3.39	7.56	5.23	7.61	0.000251	0.94	50.95	17.02	0.17
Antifossetto	Grecciano	75	Tr30	26.42	3.48	6.58	4.92	6.61	0.000259	0.77	34.52	18.54	0.18
Antifossetto	Grecciano	75	Tr200	40.9	3.48	7.25	5.21	7.29	0.000245	0.87	46.84	18.54	0.18
Antifossetto	Grecciano	75	Tr500	48.05	3.48	7.59	5.34	7.64	0.000229	0.9	53.27	18.54	0.17
Antifossetto	Grecciano	76	Tr30	26.42	3.63	6.62	5.1	6.65	0.000269	0.77	34.31	17.78	0.18
Antifossetto	Grecciano	76	Tr200	40.9	3.63	7.28	5.46	7.32	0.000262	0.89	46.08	17.78	0.18
Antifossetto	Grecciano	76	Tr500	48.05	3.63	7.62	5.56	7.67	0.000248	0.92	52.21	17.78	0.17
Cateratto	Cateratto	1	Tr30	12.96	-0.06	1.4	1.14	1.62	0.005002	2.08	6.25	6.56	0.68
Cateratto	Cateratto	1	Tr200	19.57	-0.06	1.71	1.42	1.99	0.005001	2.32	8.43	7.41	0.69
Cateratto	Cateratto	1	Tr500	22.9	-0.06	1.85	1.54	2.15	0.005005	2.42	9.45	7.77	0.7
Cateratto	Cateratto	1.5		Culvert									
Cateratto	Cateratto	2	Tr30	12.96	-0.22	2.22	1.2	2.28	0.000925	1.14	12.28	11.97	0.3
Cateratto	Cateratto	2	Tr200	19.57	-0.22	2.57	1.51	2.63	0.000774	1.13	20.24	19.01	0.29
Cateratto	Cateratto	2	Tr500	22.9	-0.22	2.7	1.64	2.76	0.000758	1.18	22.71	19.01	0.29

Cateratto	Cateratto	2.5		Culvert									
Cateratto	Cateratto	20	Tr30	12.96	-0.41	2.49	0.85	2.52	0.000388	0.87	17.11	13.83	0.19
Cateratto	Cateratto	20	Tr200	19.57	-0.41	2.79	1.25	2.84	0.000496	1.07	21.25	13.83	0.22
Cateratto	Cateratto	20	Tr500	22.9	-0.41	2.9	1.45	2.96	0.000553	1.17	22.88	13.83	0.24
Cateratto	Cateratto	20.1	Tr30	12.96	-0.39	2.51	0.58	2.53	0.000163	0.64	24.44	17.68	0.13
Cateratto	Cateratto	20.1	Tr200	19.57	-0.39	2.82	0.87	2.84	0.000212	0.79	29.91	17.68	0.15
Cateratto	Cateratto	20.1	Tr500	22.9	-0.39	2.94	1	2.97	0.000238	0.86	32.09	17.68	0.16
Cateratto	Cateratto	20.2	Tr30	12.96	-0.37	2.51	0.6	2.53	0.000145	0.6	25.77	17.06	0.12
Cateratto	Cateratto	20.2	Tr200	19.57	-0.37	2.83	0.89	2.85	0.000193	0.75	31.08	17.06	0.14
Cateratto	Cateratto	20.2	Tr500	22.9	-0.37	2.95	1.02	2.98	0.000218	0.82	33.19	17.06	0.15
Cateratto	Cateratto	21	Tr30	12.96	-0.35	2.52	0.62	2.53	0.000135	0.58	27	18.32	0.12
Cateratto	Cateratto	21	Tr200	19.57	-0.35	2.83	0.92	2.85	0.000177	0.72	32.74	18.32	0.14
Cateratto	Cateratto	21	Tr500	22.9	-0.35	2.96	1.05	2.98	0.000198	0.78	35.03	18.32	0.14
Cateratto	Cateratto	21.1	Tr30	12.96	-0.32	2.52	0.66	2.54	0.000123	0.56	28.19	18.46	0.11
Cateratto	Cateratto	21.1	Tr200	19.57	-0.32	2.84	0.95	2.86	0.000162	0.69	34	18.46	0.13
Cateratto	Cateratto	21.1	Tr500	22.9	-0.32	2.97	1.07	2.99	0.000182	0.75	36.32	18.46	0.14
Cateratto	Cateratto	21.2	Tr30	12.96	-0.29	2.53	0.69	2.54	0.000141	0.6	26.17	16.98	0.12
Cateratto	Cateratto	21.2	Tr200	19.57	-0.29	2.84	0.97	2.86	0.000187	0.74	31.52	16.98	0.14
Cateratto	Cateratto	21.2	Tr500	22.9	-0.29	2.97	1.11	2.99	0.000211	0.81	33.66	16.98	0.15
Cateratto	Cateratto	22	Tr30	12.96	-0.28	2.53	0.7	2.54	0.00013	0.57	27.62	18.25	0.11
Cateratto	Cateratto	22	Tr200	19.57	-0.28	2.85	0.99	2.87	0.00017	0.7	33.41	18.25	0.13
Cateratto	Cateratto	22	Tr500	22.9	-0.28	2.98	1.12	3	0.00019	0.77	35.73	18.25	0.14
Cateratto	Cateratto	22.1	Tr30	12.96	-0.25	2.54	0.73	2.55	0.000126	0.56	28.39	19.41	0.11
Cateratto	Cateratto	22.1	Tr200	19.57	-0.25	2.85	1.01	2.87	0.000162	0.69	34.58	19.41	0.13
Cateratto	Cateratto	22.1	Tr500	22.9	-0.25	2.98	1.15	3	0.00018	0.75	37.07	19.41	0.14
Cateratto	Cateratto	22.2	Tr30	12.96	-0.21	2.54	0.76	2.55	0.000142	0.55	28.05	21.3	0.12
Cateratto	Cateratto	22.2	Tr200	19.57	-0.21	2.86	1.05	2.88	0.00017	0.66	34.87	21.3	0.14
Cateratto	Cateratto	22.2	Tr500	22.9	-0.21	2.99	1.18	3.01	0.000185	0.72	37.62	21.3	0.14
Cateratto	Cateratto	23	Tr30	12.96	-0.2	2.54	0.77	2.56	0.000146	0.59	27.37	20.85	0.12
Cateratto	Cateratto	23	Tr200	19.57	-0.2	2.86	1.06	2.88	0.000177	0.7	34.06	20.85	0.14
Cateratto	Cateratto	23	Tr500	22.9	-0.2	2.99	1.19	3.01	0.000194	0.76	36.75	20.85	0.14
Cateratto	Cateratto	23.1	Tr30	12.96	-0.17	2.54	0.81	2.56	0.000164	0.62	25.24	17.51	0.13
Cateratto	Cateratto	23.1	Tr200	19.57	-0.17	2.86	1.1	2.89	0.000209	0.76	30.86	17.51	0.15
Cateratto	Cateratto	23.1	Tr500	22.9	-0.17	2.99	1.24	3.02	0.000233	0.83	33.11	17.51	0.16
Cateratto	Cateratto	24	Tr30	12.96	-0.16	2.54	0.81	2.56	0.000236	0.72	21.12	15.82	0.15
Cateratto	Cateratto	24	Tr200	19.57	-0.16	2.86	1.1	2.89	0.000297	0.88	26.17	15.82	0.17
Cateratto	Cateratto	24	Tr500	22.9	-0.16	2.99	1.23	3.03	0.000328	0.96	28.2	15.82	0.18
Cateratto	Cateratto	25	Tr30	12.96	-0.15	2.55	0.64	2.57	0.000164	0.62	23.19	15.01	0.13
Cateratto	Cateratto	25	Tr200	19.57	-0.15	2.87	0.87	2.9	0.000222	0.78	27.99	15.01	0.15
Cateratto	Cateratto	25	Tr500	22.9	-0.15	3	0.98	3.03	0.000251	0.86	29.92	15.01	0.16
Cateratto	Cateratto	25.5		Bridge									
Cateratto	Cateratto	26	Tr30	12.96	-0.14	2.62	0.6	2.64	0.000126	0.57	24.7	14.64	0.12
Cateratto	Cateratto	26	Tr200	19.57	-0.14	2.92	0.83	2.95	0.000182	0.74	29.07	14.64	0.14
Cateratto	Cateratto	26	Tr500	22.9	-0.14	3.05	0.94	3.08	0.000209	0.82	30.93	14.64	0.15
Cateratto	Cateratto	27	Tr30	12.96	-0.13	2.62	0.76	2.64	0.00016	0.61	24.78	18.66	0.13
Cateratto	Cateratto	27	Tr200	19.57	-0.13	2.92	1.03	2.95	0.000207	0.76	30.4	18.66	0.15
Cateratto	Cateratto	27	Tr500	22.9	-0.13	3.05	1.16	3.08	0.000228	0.82	32.8	18.66	0.16
Cateratto	Cateratto	28	Tr30	12.96	-0.12	2.63	0.78	2.64	0.000149	0.6	26.16	19.21	0.12
Cateratto	Cateratto	28	Tr200	19.57	-0.12	2.93	1.06	2.95	0.000194	0.74	31.97	19.21	0.14
Cateratto	Cateratto	28	Tr500	22.9	-0.12	3.06	1.18	3.08	0.000213	0.8	34.46	19.21	0.15
Cateratto	Cateratto	29	Tr30	12.96	-0.1	2.63	0.81	2.65	0.000156	0.62	25.17	18.79	0.13
Cateratto	Cateratto	29	Tr200	19.57	-0.1	2.93	1.08	2.96	0.000202	0.77	30.87	18.79	0.15
Cateratto	Cateratto	29	Tr500	22.9	-0.1	3.06	1.2	3.09	0.000223	0.83	33.31	18.79	0.16
Cateratto	Cateratto	30	Tr30	12.96	-0.07	2.64	0.84	2.65	0.000126	0.56	29.7	24.87	0.11
Cateratto	Cateratto	30	Tr200	19.57	-0.07	2.95	1.11	2.96	0.000158	0.67	37.58	28.47	0.13
Cateratto	Cateratto	30	Tr500	22.9	-0.07	3.08	1.23	3.1	0.000165	0.71	41.36	28.47	0.13
Cateratto	Cateratto	31	Tr30	12.96	-0.05	2.64	0.86	2.65	0.000115	0.53	32.56	29.95	0.11
Cateratto	Cateratto	31	Tr200	19.57	-0.05	2.95	1.13	2.97	0.000129	0.6	41.85	29.95	0.12
Cateratto	Cateratto	31	Tr500	22.9	-0.05	3.09	1.26	3.1	0.000135	0.64	45.83	29.95	0.12
Cateratto	Cateratto	32	Tr30	12.96	-0.02	2.64	0.89	2.66	0.000137	0.58	29.1	26.98	0.12
Cateratto	Cateratto	32	Tr200	19.57	-0.02	2.95	1.16	2.97	0.000157	0.67	37.46	26.98	0.13
Cateratto	Cateratto	32	Tr500	22.9	-0.02	3.09	1.28	3.11	0.000166	0.71	41.05	26.98	0.13
Cateratto	Cateratto	33	Tr30	12.96	0	2.64	1.08	2.67	0.000295	0.78	20.29	15.55	0.16

Cateratto	Cateratto	33	Tr200	19.57	0	2.95	1.38	2.98	0.000369	0.94	25.05	15.55	0.18
Cateratto	Cateratto	33	Tr500	22.9	0	3.08	1.52	3.12	0.000403	1.01	27.08	15.55	0.19
Cateratto	Cateratto	33.5		Bridge									
Cateratto	Cateratto	34	Tr30	12.96	0	2.7	0.88	2.71	0.000127	0.5	27.33	20.63	0.12
Cateratto	Cateratto	34	Tr200	19.57	0	2.99	1.15	3.01	0.000167	0.63	33.26	20.63	0.14
Cateratto	Cateratto	34	Tr500	22.9	0	3.12	1.27	3.14	0.000183	0.68	35.94	20.63	0.15
Cateratto	Cateratto	35	Tr30	12.96	0	2.7	0.88	2.72	0.000122	0.47	28.5	22.75	0.12
Cateratto	Cateratto	35	Tr200	19.57	0	2.99	1.14	3.01	0.000151	0.59	35.08	22.75	0.14
Cateratto	Cateratto	35	Tr500	22.9	0	3.12	1.26	3.14	0.000162	0.64	38.06	22.75	0.14
Cateratto	Cateratto	36	Tr30	12.96	0	2.71	0.88	2.72	0.000118	0.52	27.69	22.91	0.12
Cateratto	Cateratto	36	Tr200	19.57	0	3	1.14	3.02	0.000152	0.65	34.35	22.97	0.14
Cateratto	Cateratto	36	Tr500	22.9	0	3.13	1.25	3.15	0.000164	0.7	37.36	22.97	0.15
Cateratto	Cateratto	37	Tr30	12.96	0.01	2.71	0.89	2.72	0.000101	0.46	30.42	23.81	0.11
Cateratto	Cateratto	37	Tr200	19.57	0.01	3	1.15	3.02	0.000127	0.57	37.75	25.42	0.13
Cateratto	Cateratto	37	Tr500	22.9	0.01	3.14	1.27	3.15	0.000136	0.61	41.11	25.42	0.13
Cateratto	Cateratto	38	Tr30	12.96	0	2.72	0.89	2.73	0.00008	0.43	32.65	25.05	0.1
Cateratto	Cateratto	38	Tr200	19.57	0	3.01	1.16	3.02	0.000104	0.54	40.5	27.06	0.12
Cateratto	Cateratto	38	Tr500	22.9	0	3.14	1.33	3.16	0.000112	0.59	44.08	27.06	0.12
Cateratto	Cateratto	39	Tr30	12.96	0	2.72	0.89	2.73	0.00009	0.47	31.9	28.32	0.11
Cateratto	Cateratto	39	Tr200	19.57	0	3.01	1.16	3.03	0.000111	0.57	40.52	29.37	0.12
Cateratto	Cateratto	39	Tr500	22.9	0	3.15	1.28	3.16	0.000118	0.61	44.43	29.37	0.13
Cateratto	Cateratto	40	Tr30	12.96	0	2.72	0.89	2.73	0.000088	0.48	32.37	28.5	0.11
Cateratto	Cateratto	40	Tr200	19.57	0	3.02	1.14	3.03	0.000109	0.58	41.03	29.52	0.12
Cateratto	Cateratto	40	Tr500	22.9	0	3.15	1.26	3.17	0.000115	0.62	44.96	29.52	0.13
Cateratto	Cateratto	40.5		Culvert									
Cateratto	Cateratto	41	Tr30	12.96	0	2.76	0.88	2.77	0.000091	0.52	30.05	22.66	0.11
Cateratto	Cateratto	41	Tr200	19.57	0	3.03	1.15	3.05	0.000126	0.66	36.21	22.66	0.13
Cateratto	Cateratto	41	Tr500	22.9	0	3.17	1.27	3.19	0.000138	0.71	39.26	22.66	0.14
Cateratto	Cateratto	42	Tr30	12.96	0	2.76	0.88	2.77	0.000097	0.52	29.5	21.67	0.11
Cateratto	Cateratto	42	Tr200	19.57	0	3.03	1.14	3.05	0.000133	0.66	35.41	21.67	0.13
Cateratto	Cateratto	42	Tr500	22.9	0	3.17	1.26	3.19	0.000146	0.72	38.33	21.67	0.14
Cateratto	Cateratto	43	Tr30	12.96	0.01	2.76	0.89	2.78	0.000094	0.53	29.85	22.67	0.11
Cateratto	Cateratto	43	Tr200	19.57	0.01	3.04	1.16	3.06	0.000128	0.66	36.06	22.67	0.13
Cateratto	Cateratto	43	Tr500	22.9	0.01	3.17	1.28	3.2	0.00014	0.72	39.13	22.67	0.14
Cateratto	Cateratto	44	Tr30	12.96	0	2.77	0.88	2.78	0.00009	0.51	30.37	22.63	0.11
Cateratto	Cateratto	44	Tr200	19.57	0	3.04	1.15	3.06	0.000123	0.65	36.78	23.48	0.13
Cateratto	Cateratto	44	Tr500	22.9	0	3.18	1.27	3.2	0.000133	0.7	39.97	23.48	0.14
Cateratto	Cateratto	45	Tr30	12.96	0.01	2.77	0.89	2.78	0.000095	0.53	28.42	18.36	0.11
Cateratto	Cateratto	45	Tr200	19.57	0.01	3.05	1.16	3.07	0.000136	0.68	33.57	19.18	0.14
Cateratto	Cateratto	45	Tr500	22.9	0.01	3.18	1.29	3.2	0.000151	0.74	36.16	19.18	0.14
Cateratto	Cateratto	46	Tr30	12.96	0.01	2.77	0.89	2.79	0.000097	0.54	29.4	23.62	0.11
Cateratto	Cateratto	46	Tr200	19.57	0.01	3.05	1.16	3.07	0.000132	0.68	36.08	24.53	0.13
Cateratto	Cateratto	46	Tr500	22.9	0.01	3.19	1.27	3.21	0.000141	0.73	39.44	24.53	0.14
Cateratto	Cateratto	47	Tr30	12.96	0.01	2.78	0.89	2.79	0.000092	0.52	29.93	23.47	0.11
Cateratto	Cateratto	47	Tr200	19.57	0.01	3.06	1.17	3.07	0.000125	0.65	36.59	24.35	0.13
Cateratto	Cateratto	47	Tr500	22.9	0.01	3.19	1.29	3.21	0.000134	0.7	39.93	24.35	0.14
Cateratto	Cateratto	48	Tr30	12.96	0	2.78	0.88	2.79	0.000082	0.49	32.27	25.94	0.1
Cateratto	Cateratto	48	Tr200	19.57	0	3.06	1.17	3.08	0.000109	0.61	39.64	26.75	0.12
Cateratto	Cateratto	48	Tr500	22.9	0	3.2	1.28	3.22	0.000117	0.66	43.33	26.75	0.13
Cateratto	Cateratto	49	Tr30	12.96	0.01	2.78	0.9	2.79	0.000094	0.49	31.24	26.14	0.11
Cateratto	Cateratto	49	Tr200	19.57	0.01	3.07	1.15	3.08	0.000122	0.6	38.6	26.14	0.13
Cateratto	Cateratto	49	Tr500	22.9	0.01	3.2	1.27	3.22	0.000129	0.65	42.22	26.14	0.13
Cateratto	Cateratto	49.5		Bridge									
Cateratto	Cateratto	50	Tr30	12.96	0	2.79	0.88	2.8	0.000119	0.5	27.54	17.58	0.12
Cateratto	Cateratto	50	Tr200	19.57	0	3.07	1.14	3.09	0.000167	0.64	32.51	17.58	0.14
Cateratto	Cateratto	50	Tr500	22.9	0	3.21	1.25	3.23	0.000185	0.7	34.93	17.58	0.15
Cateratto	Cateratto	50.8	Tr30	12.96	0	2.79	0.88	2.8	0.000084	0.51	31.63	21.66	0.1
Cateratto	Cateratto	50.8	Tr200	19.57	0	3.08	1.14	3.09	0.000116	0.64	37.81	21.66	0.12
Cateratto	Cateratto	50.8	Tr500	22.9	0	3.22	1.25	3.24	0.000127	0.69	40.83	21.66	0.13
Cateratto	Cateratto	50.9		Culvert									
Cateratto	Cateratto	51	Tr30	12.96	0	2.81	0.88	2.82	0.000082	0.5	31.98	21.66	0.1
Cateratto	Cateratto	51	Tr200	19.57	0	3.09	1.14	3.11	0.000113	0.63	38.13	21.66	0.12



Cateratto	Cateratto	51	Tr500	22.9	0	3.23	1.25	3.25	0.000125	0.69	41.02	21.66	0.13
Cateratto	Cateratto	52	Tr30	12.96	0	2.81	0.88	2.82	0.000053	0.42	40.22	27.87	0.08
Cateratto	Cateratto	52	Tr200	19.57	0	3.1	1.14	3.11	0.000071	0.52	48.23	27.87	0.1
Cateratto	Cateratto	52	Tr500	22.9	0	3.24	1.26	3.25	0.000078	0.56	51.98	27.87	0.1
Cateratto	Cateratto	53	Tr30	12.96	0	2.81	0.88	2.82	0.000089	0.53	29.01	16.31	0.11
Cateratto	Cateratto	53	Tr200	19.57	0	3.1	1.14	3.12	0.000131	0.69	33.66	16.31	0.13
Cateratto	Cateratto	53	Tr500	22.9	0	3.23	1.25	3.26	0.000149	0.76	35.83	16.31	0.14
Cateratto	Cateratto	54	Tr30	12.96	0	2.81	0.88	2.83	0.000119	0.58	25.82	17.63	0.12
Cateratto	Cateratto	54	Tr200	19.57	0	3.1	1.14	3.12	0.000166	0.74	30.85	17.63	0.14
Cateratto	Cateratto	54	Tr500	22.9	0	3.23	1.25	3.26	0.000185	0.8	33.21	17.63	0.15
Cateratto	Cateratto	54.5		Culvert									
Cateratto	Cateratto	55	Tr30	12.96	0	2.94	0.88	2.95	0.000115	0.48	28.76	21.31	0.11
Cateratto	Cateratto	55	Tr200	19.57	0	3.18	1.14	3.19	0.000168	0.63	33.72	21.31	0.14
Cateratto	Cateratto	55	Tr500	22.9	0	3.29	1.25	3.31	0.000188	0.68	36.16	21.31	0.15
Cateratto	Cateratto	56	Tr30	12.96	0	2.95	0.88	2.96	0.000089	0.49	30.58	20.65	0.1
Cateratto	Cateratto	56	Tr200	19.57	0	3.18	1.14	3.2	0.000134	0.64	35.41	20.65	0.13
Cateratto	Cateratto	56	Tr500	22.9	0	3.3	1.25	3.32	0.000152	0.7	37.79	20.65	0.14
Cateratto	Cateratto	57	Tr30	12.96	0	2.95	0.88	2.96	0.000091	0.47	30.65	20.24	0.11
Cateratto	Cateratto	57	Tr200	19.57	0	3.19	1.14	3.2	0.000135	0.62	35.42	20.24	0.13
Cateratto	Cateratto	57	Tr500	22.9	0	3.3	1.25	3.32	0.000153	0.68	37.77	20.24	0.14
Cateratto	Cateratto	58	Tr30	12.96	0	2.95	0.88	2.96	0.000082	0.47	32.13	21.94	0.1
Cateratto	Cateratto	58	Tr200	19.57	0	3.19	1.14	3.21	0.000122	0.62	37.34	21.94	0.12
Cateratto	Cateratto	58	Tr500	22.9	0	3.31	1.25	3.33	0.000138	0.67	39.9	21.94	0.13
Cateratto	Cateratto	58.5		Bridge									
Cateratto	Cateratto	59	Tr30	12.96	0	2.99	0.88	3	0.000074	0.44	31.57	15.67	0.09
Cateratto	Cateratto	59	Tr200	19.57	0	3.28	1.13	3.29	0.000114	0.58	36.07	15.67	0.11
Cateratto	Cateratto	59	Tr500	22.9	0	3.42	1.27	3.44	0.00013	0.64	38.4	15.67	0.12
Cateratto	Cateratto	60	Tr30	12.96	-0.01	2.99	0.87	3	0.000072	0.42	33.66	19.44	0.09
Cateratto	Cateratto	60	Tr200	19.57	-0.01	3.28	1.13	3.3	0.000105	0.55	39.3	19.44	0.11
Cateratto	Cateratto	60	Tr500	22.9	-0.01	3.43	1.24	3.45	0.000116	0.59	42.21	19.44	0.11
Cateratto	Cateratto	61	Tr30	12.96	-0.01	2.99	0.87	3	0.000079	0.49	31.29	19.53	0.1
Cateratto	Cateratto	61	Tr200	19.57	-0.01	3.28	1.13	3.3	0.000113	0.63	36.96	19.53	0.12
Cateratto	Cateratto	61	Tr500	22.9	-0.01	3.43	1.24	3.45	0.000124	0.69	39.88	19.53	0.13
Cateratto	Cateratto	62	Tr30	12.96	-0.01	2.99	0.87	3.01	0.000089	0.48	30.18	18.91	0.1
Cateratto	Cateratto	62	Tr200	19.57	-0.01	3.29	1.13	3.3	0.000125	0.62	35.69	18.91	0.13
Cateratto	Cateratto	62	Tr500	22.9	-0.01	3.44	1.24	3.46	0.000136	0.67	38.52	18.91	0.13
Cateratto	Cateratto	63	Tr30	12.96	0	3	0.88	3.01	0.000082	0.47	31.73	20.9	0.1
Cateratto	Cateratto	63	Tr200	19.57	0	3.29	1.14	3.31	0.000113	0.6	37.86	20.9	0.12
Cateratto	Cateratto	63	Tr500	22.9	0	3.44	1.25	3.46	0.000123	0.65	41.01	20.9	0.13
Cateratto	Cateratto	64	Tr30	12.96	0	3	0.88	3.01	0.000074	0.44	33.53	20.87	0.09
Cateratto	Cateratto	64	Tr200	19.57	0	3.3	1.14	3.31	0.000103	0.56	39.67	20.87	0.11
Cateratto	Cateratto	64	Tr500	22.9	0	3.45	1.25	3.46	0.000113	0.61	42.82	20.87	0.12
Cateratto	Cateratto	65	Tr30	12.96	-0.01	3	0.87	3.01	0.000067	0.44	32.17	19.02	0.09
Cateratto	Cateratto	65	Tr200	19.57	-0.01	3.3	1.14	3.31	0.000096	0.57	37.77	19.02	0.11
Cateratto	Cateratto	65	Tr500	22.9	-0.01	3.45	1.28	3.47	0.000106	0.62	40.65	19.02	0.12
Cateratto	Cateratto	66	Tr30	12.96	0.1	3	0.98	3.02	0.000117	0.52	26.31	17.28	0.11
Cateratto	Cateratto	66	Tr200	19.57	0.1	3.3	1.25	3.32	0.000168	0.67	31.4	17.28	0.14
Cateratto	Cateratto	66	Tr500	22.9	0.1	3.45	1.36	3.47	0.000185	0.73	34.01	17.28	0.14
Cateratto	Cateratto	67	Tr30	12.96	-0.01	3.01	0.87	3.02	0.000101	0.5	27.64	17.54	0.11
Cateratto	Cateratto	67	Tr200	19.57	-0.01	3.3	1.14	3.32	0.000147	0.64	32.84	17.54	0.13
Cateratto	Cateratto	67	Tr500	22.9	-0.01	3.46	1.25	3.48	0.000163	0.7	35.51	17.54	0.13
Cateratto	Cateratto	68	Tr30	12.96	0	3.01	0.88	3.02	0.000106	0.51	27.5	17.62	0.11
Cateratto	Cateratto	68	Tr200	19.57	0	3.31	1.14	3.33	0.000152	0.65	32.75	17.62	0.13
Cateratto	Cateratto	68	Tr500	22.9	0	3.46	1.25	3.48	0.000167	0.7	35.43	17.62	0.14
Cateratto	Cateratto	69	Tr30	12.96	-0.01	3.01	0.87	3.03	0.000119	0.54	25.69	17.59	0.11
Cateratto	Cateratto	69	Tr200	19.57	-0.01	3.31	1.13	3.33	0.00017	0.69	30.95	17.59	0.14
Cateratto	Cateratto	69	Tr500	22.9	-0.01	3.46	1.24	3.49	0.000187	0.75	33.63	17.59	0.14
Cateratto	Cateratto	101	Tr30	12.96	0.49	3.02	1.45	3.03	0.000105	0.46	34.87	28.66	0.1
Cateratto	Cateratto	101	Tr200	19.57	0.49	3.33	1.73	3.34	0.000121	0.55	43.63	28.66	0.11
Cateratto	Cateratto	101	Tr500	22.9	0.49	3.48	1.85	3.5	0.000122	0.57	48.08	28.66	0.12
Cateratto	Cateratto	102	Tr30	12.96	0.47	3.03	1.41	3.03	0.000073	0.4	38.3	25	0.09
Cateratto	Cateratto	102	Tr200	19.57	0.47	3.33	1.7	3.34	0.000094	0.5	45.95	25	0.1
Cateratto	Cateratto	102	Tr500	22.9	0.47	3.49	1.82	3.5	0.0001	0.54	49.82	25	0.11

Cateratto	Cateratto	103	Tr30	12.96	0.49	3.03	1.41	3.04	0.000061	0.36	41.5	27.01	0.08
Cateratto	Cateratto	103	Tr200	19.57	0.49	3.34	1.67	3.35	0.000079	0.45	49.8	27.01	0.09
Cateratto	Cateratto	103	Tr500	22.9	0.49	3.49	1.8	3.5	0.000083	0.48	54	27.01	0.1
Cateratto	Cateratto	104	Tr30	12.96	0.48	3.03	1.41	3.04	0.00007	0.37	39.23	25.68	0.09
Cateratto	Cateratto	104	Tr200	19.57	0.48	3.34	1.68	3.35	0.000089	0.47	47.12	25.68	0.1
Cateratto	Cateratto	104	Tr500	22.9	0.48	3.5	1.79	3.51	0.000094	0.5	51.12	25.68	0.1
Cateratto	Cateratto	105	Tr30	12.96	0.48	3.03	1.4	3.04	0.000089	0.42	35.15	23.29	0.1
Cateratto	Cateratto	105	Tr200	19.57	0.48	3.34	1.67	3.35	0.000113	0.53	42.31	23.29	0.11
Cateratto	Cateratto	105	Tr500	22.9	0.48	3.5	1.79	3.51	0.000119	0.57	45.93	23.29	0.12
Cateratto	Cateratto	106	Tr30	12.96	0.4	3.04	1.35	3.04	0.000063	0.35	39.99	27.39	0.09
Cateratto	Cateratto	106	Tr200	19.57	0.4	3.35	1.62	3.36	0.000077	0.44	48.46	27.39	0.1
Cateratto	Cateratto	106	Tr500	22.9	0.4	3.5	1.75	3.51	0.00008	0.47	52.74	27.39	0.1
Cateratto	Cateratto	107	Tr30	12.96	0.41	3.04	1.31	3.05	0.000053	0.33	42.64	27.24	0.08
Cateratto	Cateratto	107	Tr200	19.57	0.41	3.35	1.62	3.36	0.000068	0.41	51.08	27.24	0.09
Cateratto	Cateratto	107	Tr500	22.9	0.41	3.51	1.73	3.52	0.000073	0.44	55.34	27.24	0.09
Cateratto	Cateratto	108	Tr30	12.96	0.43	3.04	1.32	3.05	0.000042	0.28	49.59	34.23	0.07
Cateratto	Cateratto	108	Tr200	19.57	0.43	3.35	1.62	3.36	0.000051	0.34	60.24	34.23	0.08
Cateratto	Cateratto	108	Tr500	22.9	0.43	3.51	1.71	3.52	0.000054	0.37	65.62	34.23	0.08
Cateratto	Cateratto	109	Tr30	12.96	0.45	3.04	1.39	3.05	0.00006	0.32	43.14	31.72	0.08
Cateratto	Cateratto	109	Tr200	19.57	0.45	3.36	1.64	3.36	0.000072	0.39	53.01	31.72	0.09
Cateratto	Cateratto	109	Tr500	22.9	0.45	3.51	1.8	3.52	0.000074	0.42	57.99	31.72	0.09
Cateratto	Cateratto	110	Tr30	12.96	0.42	3.05	1.35	3.05	0.000065	0.33	41	29.62	0.09
Cateratto	Cateratto	110	Tr200	19.57	0.42	3.36	1.61	3.36	0.000078	0.41	50.23	29.62	0.1
Cateratto	Cateratto	110	Tr500	22.9	0.42	3.51	1.76	3.52	0.000081	0.44	54.87	29.62	0.1
Cateratto	Cateratto	111	Tr30	12.96	0.44	3.05	1.35	3.05	0.000064	0.34	40.6	28.32	0.09
Cateratto	Cateratto	111	Tr200	19.57	0.44	3.36	1.6	3.37	0.000078	0.42	49.43	28.32	0.1
Cateratto	Cateratto	111	Tr500	22.9	0.44	3.52	1.73	3.53	0.000081	0.45	53.87	28.32	0.1
Cateratto	Cateratto	112	Tr30	12.96	0.52	3.05	1.39	3.05	0.000073	0.35	38.54	27.63	0.09
Cateratto	Cateratto	112	Tr200	19.57	0.52	3.36	1.65	3.37	0.000088	0.43	47.15	27.63	0.1
Cateratto	Cateratto	112	Tr500	22.9	0.52	3.52	1.79	3.53	0.000091	0.46	51.49	27.63	0.11
Cateratto	Cateratto	113	Tr30	12.96	0.46	3.05	1.36	3.06	0.000068	0.38	38.85	27.32	0.09
Cateratto	Cateratto	113	Tr200	19.57	0.46	3.36	1.61	3.37	0.000083	0.47	47.38	27.32	0.1
Cateratto	Cateratto	113	Tr500	22.9	0.46	3.52	1.73	3.53	0.000087	0.5	51.67	27.32	0.11
Chiaviche Est	Chiaviche Est	1	Tr30	9.98	-1.76	-0.76	-0.99	-0.57	0.005001	1.92	5.2	5.91	0.65
Chiaviche Est	Chiaviche Est	1	Tr200	14.88	-1.76	-0.47	-0.78	-0.24	0.005005	2.11	7.04	6.96	0.67
Chiaviche Est	Chiaviche Est	1	Tr500	17.32	-1.76	-0.35	-0.67	-0.11	0.005	2.19	7.92	7.46	0.68
Chiaviche Est	Chiaviche Est	2	Tr30	9.98	-1.7	-0.35	-0.81	-0.2	0.003178	1.69	5.91	5.4	0.52
Chiaviche Est	Chiaviche Est	2	Tr200	14.88	-1.7	-0.05	-0.56	0.14	0.003532	1.95	7.62	6.03	0.55
Chiaviche Est	Chiaviche Est	2	Tr500	17.32	-1.7	0.07	-0.44	0.29	0.003705	2.07	8.39	6.31	0.57
Chiaviche Est	Chiaviche Est	2.8	Tr30	9.98	-1.68	-0.18	-1.08	-0.15	0.000497	0.8	12.43	9.52	0.22
Chiaviche Est	Chiaviche Est	2.8	Tr200	14.88	-1.68	0.17	-0.92	0.21	0.000547	0.94	15.81	9.99	0.24
Chiaviche Est	Chiaviche Est	2.8	Tr500	17.32	-1.68	0.31	-0.84	0.36	0.000577	1	17.28	10.3	0.25
Chiaviche Est	Chiaviche Est	2.9		Culvert									
Chiaviche Est	Chiaviche Est	3	Tr30	9.98	-1.68	-0.17	-1.08	-0.14	0.000484	0.8	12.55	9.53	0.22
Chiaviche Est	Chiaviche Est	3	Tr200	14.88	-1.68	0.18	-0.92	0.23	0.00053	0.93	15.98	10.03	0.24
Chiaviche Est	Chiaviche Est	3	Tr500	17.32	-1.68	0.33	-0.84	0.38	0.000557	0.99	17.5	10.34	0.24
Chiaviche Est	Chiaviche Est	4	Tr30	9.98	-1.58	-0.11	-0.81	-0.06	0.000868	0.94	10.65	10.44	0.3
Chiaviche Est	Chiaviche Est	4	Tr200	14.88	-1.58	0.25	-0.62	0.3	0.000844	1.01	14.73	12.64	0.3
Chiaviche Est	Chiaviche Est	4	Tr500	17.32	-1.58	0.4	-0.54	0.45	0.000792	1.04	16.65	12.93	0.29
Chiaviche Est	Chiaviche Est	4.5		Culvert									
Chiaviche Est	Chiaviche Est	5	Tr30	9.98	-1.53	0.89	-0.79	0.9	0.000149	0.51	19.5	12.25	0.13
Chiaviche Est	Chiaviche Est	5	Tr200	14.88	-1.53	1.9	-0.59	1.9	0.000019	0.22	74.15	46.29	0.05
Chiaviche Est	Chiaviche Est	5	Tr500	17.32	-1.53	1.98	-0.51	1.99	0.000022	0.24	78.1	46.29	0.05
Chiaviche Est	Chiaviche Est	6	Tr30	9.98	-1.51	0.9	-0.43	0.92	0.000333	0.71	14.07	9.62	0.19
Chiaviche Est	Chiaviche Est	6	Tr200	14.88	-1.51	1.89	-0.2	1.91	0.000135	0.49	34.09	30	0.12
Chiaviche Est	Chiaviche Est	6	Tr500	17.32	-1.51	1.98	-0.1	1.99	0.000148	0.53	36.63	30	0.13
Chiaviche Est	Chiaviche Est	7	Tr30	9.98	-1.57	0.94	-0.48	0.96	0.000336	0.71	14.14	9.4	0.18
Chiaviche Est	Chiaviche Est	7	Tr200	14.88	-1.57	1.91	-0.24	1.92	0.000147	0.56	28.4	21.71	0.13
Chiaviche Est	Chiaviche Est	7	Tr500	17.32	-1.57	1.99	-0.13	2.01	0.000168	0.61	30.26	21.71	0.14
Chiaviche Est	Chiaviche Est	8	Tr30	3.91	-1.6	0.99	-0.94	0.99	0.000045	0.27	14.73	9.33	0.07
Chiaviche Est	Chiaviche Est	8	Tr200	5.91	-1.6	1.94	-0.77	1.94	0.000029	0.22	27.13	23.16	0.06
Chiaviche Est	Chiaviche Est	8	Tr500	6.91	-1.6	2.03	-0.7	2.03	0.000033	0.25	29.24	23.43	0.06

Chiaviche Est	Chiaviche Est	8.5		Culvert										
Chiaviche Est	Chiaviche Est	9	Tr30	3.91	-1.57	1.07	-0.77	1.07	0.00006	0.3	12.98	8.32	0.08	
Chiaviche Est	Chiaviche Est	9	Tr200	5.91	-1.57	2.01	-0.6	2.02	0.00003	0.24	27.81	30	0.06	
Chiaviche Est	Chiaviche Est	9	Tr500	6.91	-1.57	2.08	-0.52	2.08	0.000036	0.27	29.73	30	0.06	
Chiaviche Est	Chiaviche Est	9.8	Tr30	3.91	-1.61	1.07	-0.78	1.08	0.000103	0.36	10.73	7.14	0.09	
Chiaviche Est	Chiaviche Est	9.8	Tr200	5.91	-1.61	2.01	-0.6	2.02	0.000049	0.27	24.17	30	0.07	
Chiaviche Est	Chiaviche Est	9.8	Tr500	6.91	-1.61	2.08	-0.53	2.08	0.000056	0.3	26.09	30	0.08	
Chiaviche Est	Chiaviche Est	9.9		Culvert										
Chiaviche Est	Chiaviche Est	10	Tr30	3.91	-1.61	1.24	-0.78	1.24	0.000078	0.33	11.95	7.7	0.08	
Chiaviche Est	Chiaviche Est	10	Tr200	5.91	-1.61	2.07	-0.6	2.08	0.000042	0.26	25.94	30	0.07	
Chiaviche Est	Chiaviche Est	10	Tr500	6.91	-1.61	2.12	-0.53	2.12	0.00005	0.29	27.35	30	0.07	
Chiaviche Est	Chiaviche Est	11	Tr30	3.91	-1.59	1.26	-0.45	1.26	0.000167	0.41	9.94	13.09	0.12	
Chiaviche Est	Chiaviche Est	11	Tr200	5.91	-1.59	2.08	-0.17	2.08	0.00003	0.25	30.3	29.78	0.06	
Chiaviche Est	Chiaviche Est	11	Tr500	6.91	-1.59	2.13	-0.03	2.13	0.000036	0.27	31.76	30	0.06	
Chiaviche Est	Chiaviche Est	12	Tr30	3.91	-1.53	1.27	-0.93	1.27	0.00006	0.28	15.57	23.6	0.07	
Chiaviche Est	Chiaviche Est	12	Tr200	5.91	-1.53	2.08	-0.77	2.09	0.000015	0.19	38.49	30	0.04	
Chiaviche Est	Chiaviche Est	12	Tr500	6.91	-1.53	2.13	-0.69	2.14	0.000018	0.21	39.97	30	0.04	
Chiaviche Est	Chiaviche Est	13	Tr30	3.91	-1.48	1.28	-0.56	1.28	0.000079	0.29	18	37.36	0.08	
Chiaviche Est	Chiaviche Est	13	Tr200	5.91	-1.48	2.09	-0.3	2.09	0.000011	0.15	48.17	37.36	0.03	
Chiaviche Est	Chiaviche Est	13	Tr500	6.91	-1.48	2.14	-0.14	2.14	0.000013	0.17	50.03	37.36	0.04	
Chiaviche Est	Chiaviche Est	14	Tr30	3.91	-1.38	1.29	-0.71	1.29	0.000081	0.27	16.27	30	0.09	
Chiaviche Est	Chiaviche Est	14	Tr200	5.91	-1.38	2.09	-0.52	2.09	0.000014	0.17	40.21	30	0.04	
Chiaviche Est	Chiaviche Est	14	Tr500	6.91	-1.38	2.14	-0.44	2.14	0.000017	0.19	41.71	30	0.04	
Chiaviche Est	Chiaviche Est	14.5	Tr30	3.91	-1.32	1.3	-0.76	1.3	0.000067	0.27	14.4	16.88	0.08	
Chiaviche Est	Chiaviche Est	14.5	Tr200	5.91	-1.32	2.09	-0.61	2.09	0.000018	0.19	36.34	30	0.04	
Chiaviche Est	Chiaviche Est	14.5	Tr500	6.91	-1.32	2.14	-0.54	2.14	0.000022	0.21	37.86	30	0.05	
Chiaviche Est	Chiaviche Est	100		Culvert										
Chiaviche Est	Chiaviche Est	101	Tr30	3.91	-1.23	1.33	-0.61	1.33	0.000041	0.26	15.05	9.76	0.07	
Chiaviche Est	Chiaviche Est	101	Tr200	5.91	-1.23	2.1	-0.45	2.11	0.000028	0.25	23.42	11.52	0.06	
Chiaviche Est	Chiaviche Est	101	Tr500	6.91	-1.23	2.16	-0.37	2.16	0.000036	0.29	24.04	11.6	0.06	
Chiaviche Est	Chiaviche Est	102	Tr30	3.91	-1.22	1.33	-0.74	1.33	0.000027	0.22	17.47	9.65	0.05	
Chiaviche Est	Chiaviche Est	102	Tr200	5.91	-1.22	2.11	-0.61	2.11	0.000024	0.23	25.65	11.81	0.05	
Chiaviche Est	Chiaviche Est	102	Tr500	6.91	-1.22	2.16	-0.55	2.16	0.00003	0.26	26.28	11.94	0.06	
Chiaviche Est	Chiaviche Est	103	Tr30	3.91	-1.19	1.33	-0.57	1.33	0.000044	0.27	14.45	9.01	0.07	
Chiaviche Est	Chiaviche Est	103	Tr200	5.91	-1.19	2.11	-0.4	2.11	0.000032	0.27	21.55	9.16	0.06	
Chiaviche Est	Chiaviche Est	103	Tr500	6.91	-1.19	2.16	-0.33	2.16	0.000041	0.31	22.04	9.16	0.06	
Chiaviche Est	Chiaviche Est	104	Tr30	3.91	-1.18	1.33	-0.56	1.33	0.000047	0.28	14.13	9.05	0.07	
Chiaviche Est	Chiaviche Est	104	Tr200	5.91	-1.18	2.11	-0.39	2.11	0.000033	0.28	21.47	9.54	0.06	
Chiaviche Est	Chiaviche Est	104	Tr500	6.91	-1.18	2.16	-0.32	2.16	0.000042	0.31	21.98	9.54	0.07	
Chiaviche Est	Chiaviche Est	105	Tr30	3.91	-1.13	1.33	-0.51	1.33	0.000049	0.28	14.11	9.4	0.07	
Chiaviche Est	Chiaviche Est	105	Tr200	5.91	-1.13	2.11	-0.35	2.11	0.000033	0.27	21.61	9.72	0.06	
Chiaviche Est	Chiaviche Est	105	Tr500	6.91	-1.13	2.16	-0.28	2.16	0.000042	0.31	22.13	9.72	0.07	
Chiaviche Est	Chiaviche Est	106	Tr30	3.91	-1.09	1.33	-0.47	1.34	0.000052	0.28	13.81	9.22	0.07	
Chiaviche Est	Chiaviche Est	106	Tr200	5.91	-1.09	2.11	-0.31	2.11	0.000035	0.28	21.39	10.13	0.06	
Chiaviche Est	Chiaviche Est	106	Tr500	6.91	-1.09	2.16	-0.23	2.17	0.000045	0.32	21.93	10.13	0.07	
Chiaviche Est	Chiaviche Est	107	Tr30	3.91	-1.03	1.33	-0.41	1.34	0.000058	0.3	13.18	8.91	0.08	
Chiaviche Est	Chiaviche Est	107	Tr200	5.91	-1.03	2.11	-0.25	2.11	0.000039	0.29	20.53	10.09	0.06	
Chiaviche Est	Chiaviche Est	107	Tr500	6.91	-1.03	2.16	-0.18	2.17	0.00005	0.33	21.08	10.17	0.07	
Chiaviche Est	Chiaviche Est	108	Tr30	3.91	-0.99	1.33	-0.37	1.34	0.000063	0.3	12.85	9.06	0.08	
Chiaviche Est	Chiaviche Est	108	Tr200	5.91	-0.99	2.11	-0.21	2.11	0.00004	0.29	20.33	10.24	0.07	
Chiaviche Est	Chiaviche Est	108	Tr500	6.91	-0.99	2.16	-0.14	2.17	0.000051	0.33	20.88	10.32	0.07	
Chiaviche Est	Chiaviche Est	109	Tr30	3.91	-0.88	1.34	-0.26	1.34	0.000078	0.33	11.9	8.73	0.09	
Chiaviche Est	Chiaviche Est	109	Tr200	5.91	-0.88	2.11	-0.1	2.12	0.000047	0.3	19.55	11	0.07	
Chiaviche Est	Chiaviche Est	109	Tr500	6.91	-0.88	2.17	-0.03	2.17	0.000059	0.34	20.16	11.08	0.08	
Chiaviche Est	Chiaviche Est	109.1		Culvert										
Chiaviche Est	Chiaviche Est	109.2	Tr30	3.91	-0.88	1.38	-0.26	1.39	0.000071	0.32	12.28	8.86	0.09	
Chiaviche Est	Chiaviche Est	109.2	Tr200	5.91	-0.88	2.21	-0.1	2.21	0.00004	0.29	20.66	11.15	0.07	
Chiaviche Est	Chiaviche Est	109.2	Tr500	6.91	-0.88	2.29	-0.03	2.29	0.000049	0.32	21.54	11.27	0.07	
Chiaviche Est	Chiaviche Est	110	Tr30	3.91	-0.82	1.38	-0.2	1.39	0.00008	0.33	11.76	8.68	0.09	
Chiaviche Est	Chiaviche Est	110	Tr200	5.91	-0.82	2.21	-0.04	2.22	0.000043	0.3	19.95	10.63	0.07	
Chiaviche Est	Chiaviche Est	110	Tr500	6.91	-0.82	2.29	0.04	2.3	0.000052	0.33	20.78	10.63	0.08	
Chiaviche Est	Chiaviche Est	111	Tr30	3.91	-0.77	1.38	-0.15	1.39	0.000089	0.35	11.33	8.52	0.1	

Chiaviche Est	Chiaviche Est	111	Tr200	5.91	-0.77	2.21	0.01	2.22	0.000048	0.3	19.42	11.03	0.07
Chiaviche Est	Chiaviche Est	111	Tr500	6.91	-0.77	2.29	0.09	2.3	0.000058	0.34	20.31	11.27	0.08
Chiaviche Est	Chiaviche Est	112	Tr30	3.91	-0.68	1.39	-0.06	1.39	0.000106	0.37	10.61	8.27	0.1
Chiaviche Est	Chiaviche Est	112	Tr200	5.91	-0.68	2.21	0.1	2.22	0.000054	0.32	18.44	10.39	0.08
Chiaviche Est	Chiaviche Est	112	Tr500	6.91	-0.68	2.29	0.17	2.3	0.000065	0.36	19.27	10.51	0.08
Chiaviche Est	Chiaviche Est	113	Tr30	3.91	-0.59	1.39	0.03	1.4	0.000126	0.39	9.92	8.01	0.11
Chiaviche Est	Chiaviche Est	113	Tr200	5.91	-0.59	2.22	0.19	2.22	0.000063	0.34	17.57	10.6	0.08
Chiaviche Est	Chiaviche Est	113	Tr500	6.91	-0.59	2.3	0.26	2.3	0.000076	0.37	18.43	10.84	0.09
Chiaviche Est	Chiaviche Est	114	Tr30	3.91	-0.56	1.39	0.06	1.4	0.000135	0.4	9.69	7.92	0.12
Chiaviche Est	Chiaviche Est	114	Tr200	5.91	-0.56	2.22	0.22	2.22	0.000066	0.34	17.25	10.46	0.09
Chiaviche Est	Chiaviche Est	114	Tr500	6.91	-0.56	2.3	0.3	2.3	0.000079	0.38	18.1	10.66	0.09
Chiaviche Est	Chiaviche Est	115	Tr30	3.91	-0.49	1.4	0.13	1.41	0.000155	0.43	9.19	7.73	0.12
Chiaviche Est	Chiaviche Est	115	Tr200	5.91	-0.49	2.22	0.29	2.23	0.000073	0.36	16.56	10.22	0.09
Chiaviche Est	Chiaviche Est	115	Tr500	6.91	-0.49	2.3	0.36	2.31	0.000088	0.4	17.39	10.47	0.1
Chiaviche Est	Chiaviche Est	116	Tr30	3.91	-0.47	1.4	0.15	1.41	0.000163	0.43	9.03	7.66	0.13
Chiaviche Est	Chiaviche Est	116	Tr200	5.91	-0.47	2.22	0.31	2.23	0.000076	0.36	16.33	10.14	0.09
Chiaviche Est	Chiaviche Est	116	Tr500	6.91	-0.47	2.3	0.39	2.31	0.000091	0.4	17.16	10.39	0.1
Chiaviche Est	Chiaviche Est	117	Tr30	3.91	-0.46	1.4	0.16	1.41	0.000166	0.44	8.96	7.63	0.13
Chiaviche Est	Chiaviche Est	117	Tr200	5.91	-0.46	2.22	0.32	2.23	0.000077	0.36	16.22	10.1	0.09
Chiaviche Est	Chiaviche Est	117	Tr500	6.91	-0.46	2.3	0.39	2.31	0.000093	0.41	17.05	10.35	0.1
Chiaviche Est	Chiaviche Est	117.8	Tr30	3.91	-0.4	1.4	0.23	1.42	0.000237	0.51	7.7	6.54	0.15
Chiaviche Est	Chiaviche Est	117.8	Tr200	5.91	-0.4	2.22	0.41	2.23	0.000112	0.43	13.89	8.6	0.11
Chiaviche Est	Chiaviche Est	117.8	Tr500	6.91	-0.4	2.3	0.48	2.31	0.000134	0.47	14.59	8.8	0.12
Chiaviche Est	Chiaviche Est	118			Culvert								
Chiaviche Est	Chiaviche Est	118.2	Tr30	3.91	-0.4	1.46	0.23	1.47	0.000211	0.49	8.05	6.67	0.14
Chiaviche Est	Chiaviche Est	118.2	Tr200	5.91	-0.4	2.34	0.41	2.35	0.000092	0.4	14.91	8.89	0.1
Chiaviche Est	Chiaviche Est	118.2	Tr500	6.91	-0.4	2.46	0.48	2.47	0.000104	0.43	16.05	9.21	0.1
Chiaviche Est	Chiaviche Est	119	Tr30	3.91	-0.32	1.46	0.32	1.48	0.000248	0.52	7.57	6.49	0.15
Chiaviche Est	Chiaviche Est	119	Tr200	5.91	-0.32	2.34	0.48	2.35	0.000105	0.42	14.24	8.7	0.1
Chiaviche Est	Chiaviche Est	119	Tr500	6.91	-0.32	2.47	0.56	2.48	0.000117	0.45	15.35	9.02	0.11
Chiaviche Est	Chiaviche Est	120	Tr30	3.91	-0.29	1.47	0.35	1.48	0.000264	0.53	7.4	6.42	0.16
Chiaviche Est	Chiaviche Est	120	Tr200	5.91	-0.29	2.34	0.52	2.35	0.00011	0.42	13.99	8.62	0.11
Chiaviche Est	Chiaviche Est	120	Tr500	6.91	-0.29	2.47	0.59	2.48	0.000122	0.46	15.09	8.94	0.11
Chiaviche Est	Chiaviche Est	121			Culvert								
Chiaviche Est	Chiaviche Est	123	Tr30	3.91	-0.19	1.53	0.44	1.54	0.000289	0.55	7.15	6.33	0.16
Chiaviche Est	Chiaviche Est	123	Tr200	5.91	-0.19	2.48	0.62	2.48	0.000113	0.38	15.59	12.21	0.11
Chiaviche Est	Chiaviche Est	123	Tr500	6.91	-0.19	2.65	0.69	2.66	0.000104	0.39	17.75	12.22	0.1
Chiaviche Est	Chiaviche Est	124	Tr30	3.91	-0.18	1.53	0.45	1.54	0.000289	0.55	7.16	6.36	0.16
Chiaviche Est	Chiaviche Est	124	Tr200	5.91	-0.18	2.48	0.62	2.48	0.00012	0.41	14.4	10.22	0.11
Chiaviche Est	Chiaviche Est	124	Tr500	6.91	-0.18	2.65	0.7	2.66	0.00014	0.42	16.46	13.09	0.12
Chiaviche Est	Chiaviche Est	125	Tr30	3.91	-0.09	1.54	0.54	1.56	0.000357	0.59	6.61	6.1	0.18
Chiaviche Est	Chiaviche Est	125	Tr200	5.91	-0.09	2.48	0.72	2.49	0.000186	0.43	13.68	12.77	0.13
Chiaviche Est	Chiaviche Est	125	Tr500	6.91	-0.09	2.66	0.79	2.67	0.000157	0.43	15.95	12.77	0.12
Chiaviche Est	Chiaviche Est	126	Tr30	3.91	0.01	1.56	0.65	1.58	0.000439	0.64	6.13	5.91	0.2
Chiaviche Est	Chiaviche Est	126	Tr200	5.91	0.01	2.49	0.82	2.5	0.000207	0.45	13.2	12.87	0.14
Chiaviche Est	Chiaviche Est	126	Tr500	6.91	0.01	2.67	0.89	2.68	0.000173	0.45	15.47	12.94	0.13
Chiaviche Est	Chiaviche Est	127	Tr30	3.91	0.11	1.58	0.75	1.61	0.000539	0.69	5.68	5.72	0.22
Chiaviche Est	Chiaviche Est	127	Tr200	5.91	0.11	2.5	0.92	2.51	0.000174	0.43	13.67	11.98	0.13
Chiaviche Est	Chiaviche Est	127	Tr500	6.91	0.11	2.68	0.99	2.69	0.000153	0.44	15.75	11.98	0.12
Chiaviche Est	Chiaviche Est	128	Tr30	3.91	0.21	1.61	0.84	1.64	0.000662	0.74	5.26	5.52	0.24
Chiaviche Est	Chiaviche Est	128	Tr200	5.91	0.21	2.51	1.02	2.52	0.000196	0.53	11.25	7.79	0.14
Chiaviche Est	Chiaviche Est	128	Tr500	6.91	0.21	2.68	1.09	2.7	0.000196	0.55	12.63	8.12	0.14
Chiaviche Est	Chiaviche Est	129	Tr30	3.91	0.32	1.64	0.95	1.67	0.000828	0.81	4.84	5.33	0.27
Chiaviche Est	Chiaviche Est	129	Tr200	5.91	0.32	2.52	1.13	2.53	0.000236	0.56	10.47	7.39	0.15
Chiaviche Est	Chiaviche Est	129	Tr500	6.91	0.32	2.69	1.2	2.71	0.00035	0.58	11.87	11.29	0.18
Chiaviche Est	Chiaviche Est	130	Tr30	3.91	0.4	1.68	1.04	1.72	0.000931	0.84	4.64	5.22	0.29
Chiaviche Est	Chiaviche Est	130	Tr200	5.91	0.4	2.53	1.21	2.55	0.000338	0.54	10.91	11.47	0.18
Chiaviche Est	Chiaviche Est	130	Tr500	6.91	0.4	2.71	1.28	2.72	0.000271	0.53	12.95	11.47	0.16
Chiaviche Est	Chiaviche Est	131	Tr30	3.91	0.5	1.73	1.14	1.77	0.001095	0.9	4.37	5.1	0.31
Chiaviche Est	Chiaviche Est	131	Tr200	5.91	0.5	2.55	1.31	2.57	0.000453	0.61	9.71	10.79	0.2
Chiaviche Est	Chiaviche Est	131	Tr500	6.91	0.5	2.72	1.38	2.74	0.000357	0.6	11.6	10.85	0.18
Chiaviche Est	Chiaviche Est	132	Tr30	3.91	0.6	1.79	1.23	1.83	0.001269	0.95	4.14	4.97	0.33
Chiaviche Est	Chiaviche Est	132	Tr200	5.91	0.6	2.57	1.41	2.59	0.000542	0.65	9.11	10.48	0.22

Chiaviche Est	Chiaviche Est	132	Tr500	6.91	0.6	2.74	1.48	2.76	0.000426	0.63	10.9	10.57	0.2
Chiaviche Est	Chiaviche Est	133	Tr30	3.91	0.71	1.85	1.34	1.9	0.001474	1	3.92	4.86	0.36
Chiaviche Est	Chiaviche Est	133	Tr200	5.91	0.71	2.6	1.52	2.62	0.000486	0.64	9.21	9.71	0.21
Chiaviche Est	Chiaviche Est	133	Tr500	6.91	0.71	2.76	1.59	2.78	0.000407	0.64	10.8	9.71	0.19
E. Bientina	E. Bientina	1	Tr30	85	-2.96	3.05	-0.94	3.06	0.000047	0.53	159.74	40.49	0.09
E. Bientina	E. Bientina	1	Tr200	85	-2.96	3.05	-0.94	3.06	0.000047	0.53	159.74	40.49	0.09
E. Bientina	E. Bientina	1	Tr500	85	-2.96	3.05	-0.94	3.06	0.000047	0.53	159.74	40.49	0.09
E. Bientina	E. Bientina	2	Tr30	85	-3.12	3.06	-1.15	3.08	0.00004	0.47	179.51	49.82	0.08
E. Bientina	E. Bientina	2	Tr200	85	-3.12	3.06	-1.15	3.08	0.00004	0.47	179.51	49.82	0.08
E. Bientina	E. Bientina	2	Tr500	85	-3.12	3.06	-1.15	3.08	0.00004	0.47	179.51	49.82	0.08
E. Bientina	E. Bientina	3	Tr30	85	-3.24	3.07	-1.43	3.08	0.00003	0.44	195.36	49.36	0.07
E. Bientina	E. Bientina	3	Tr200	85	-3.24	3.07	-1.43	3.08	0.00003	0.44	195.36	49.36	0.07
E. Bientina	E. Bientina	3	Tr500	85	-3.24	3.07	-1.43	3.08	0.00003	0.44	195.36	49.36	0.07
E. Bientina	E. Bientina	4	Tr30	85	-3.36	3.08	-1.32	3.09	0.000039	0.5	170.57	41.45	0.08
E. Bientina	E. Bientina	4	Tr200	85	-3.36	3.08	-1.32	3.09	0.000039	0.5	170.57	41.45	0.08
E. Bientina	E. Bientina	4	Tr500	85	-3.36	3.08	-1.32	3.09	0.000039	0.5	170.57	41.45	0.08
E. Bientina	E. Bientina	5	Tr30	85	-3.1	3.1	-0.96	3.11	0.000044	0.52	163.65	41.54	0.08
E. Bientina	E. Bientina	5	Tr200	85	-3.1	3.1	-0.96	3.11	0.000044	0.52	163.65	41.54	0.08
E. Bientina	E. Bientina	5	Tr500	85	-3.1	3.1	-0.96	3.11	0.000044	0.52	163.65	41.54	0.08
E. Bientina	E. Bientina	6	Tr30	85	-2.93	3.11	-0.93	3.13	0.000045	0.54	157.85	38.08	0.08
E. Bientina	E. Bientina	6	Tr200	85	-2.93	3.11	-0.93	3.13	0.000045	0.54	157.85	38.08	0.08
E. Bientina	E. Bientina	6	Tr500	85	-2.93	3.11	-0.93	3.13	0.000045	0.54	157.85	38.08	0.08
E. Bientina	E. Bientina	7	Tr30	85	-2.69	3.12	-0.19	3.14	0.000079	0.65	130.65	36.37	0.11
E. Bientina	E. Bientina	7	Tr200	85	-2.69	3.12	-0.19	3.14	0.000079	0.65	130.65	36.37	0.11
E. Bientina	E. Bientina	7	Tr500	85	-2.69	3.12	-0.19	3.14	0.000079	0.65	130.65	36.37	0.11
E. Bientina	E. Bientina	8	Tr30	85	-2.77	3.14	-0.14	3.17	0.000136	0.82	103.05	30.65	0.14
E. Bientina	E. Bientina	8	Tr200	85	-2.77	3.14	-0.14	3.17	0.000136	0.82	103.05	30.65	0.14
E. Bientina	E. Bientina	8	Tr500	85	-2.77	3.14	-0.14	3.17	0.000136	0.82	103.05	30.65	0.14
E. Bientina	E. Bientina	9	Tr30	85	-2.8	3.14	-0.03	3.18	0.000142	0.86	99.26	27.05	0.14
E. Bientina	E. Bientina	9	Tr200	85	-2.8	3.14	-0.03	3.18	0.000142	0.86	99.26	27.05	0.14
E. Bientina	E. Bientina	9	Tr500	85	-2.8	3.14	-0.03	3.18	0.000142	0.86	99.26	27.05	0.14
E. Bientina	E. Bientina	10	Tr30	85	-2.65	3.15	-0.06	3.18	0.000116	0.78	109.14	30.71	0.13
E. Bientina	E. Bientina	10	Tr200	85	-2.65	3.15	-0.06	3.18	0.000116	0.78	109.14	30.71	0.13
E. Bientina	E. Bientina	10	Tr500	85	-2.65	3.15	-0.06	3.18	0.000116	0.78	109.14	30.71	0.13
E. Bientina	E. Bientina	11	Tr30	85	-2.77	3.15	-0.83	3.18	0.000116	0.78	109.15	29.54	0.13
E. Bientina	E. Bientina	11	Tr200	85	-2.77	3.15	-0.83	3.18	0.000116	0.78	109.15	29.54	0.13
E. Bientina	E. Bientina	11	Tr500	85	-2.77	3.15	-0.83	3.18	0.000116	0.78	109.15	29.54	0.13
E. Bientina	E. Bientina	12	Tr30	85	-2.15	3.18	-0.46	3.2	0.000066	0.53	161.38	55.27	0.1
E. Bientina	E. Bientina	12	Tr200	85	-2.15	3.18	-0.46	3.2	0.000066	0.53	161.38	55.27	0.1
E. Bientina	E. Bientina	12	Tr500	85	-2.15	3.18	-0.46	3.2	0.000066	0.53	161.38	55.27	0.1
E. Bientina	E. Bientina	13	Tr30	85	-2.23	3.18	-0.15	3.23	0.000175	0.99	85.68	18.96	0.15
E. Bientina	E. Bientina	13	Tr200	85	-2.23	3.18	-0.15	3.23	0.000175	0.99	85.68	18.96	0.15
E. Bientina	E. Bientina	13	Tr500	85	-2.23	3.18	-0.15	3.23	0.000175	0.99	85.68	18.96	0.15
E. Bientina	E. Bientina	14	Tr30	85	-2.16	3.26	-0.23	3.3	0.000133	0.88	96.69	21.34	0.13
E. Bientina	E. Bientina	14	Tr200	85	-2.16	3.26	-0.23	3.3	0.000133	0.88	96.69	21.34	0.13
E. Bientina	E. Bientina	14	Tr500	85	-2.16	3.26	-0.23	3.3	0.000133	0.88	96.69	21.34	0.13
E. Bientina	E. Bientina	15	Tr30	85	-1.52	3.31	0.79	3.35	0.00021	0.91	93.2	32.27	0.17
E. Bientina	E. Bientina	15	Tr200	85	-1.52	3.31	0.79	3.35	0.00021	0.91	93.2	32.27	0.17
E. Bientina	E. Bientina	15	Tr500	85	-1.52	3.31	0.79	3.35	0.00021	0.91	93.2	32.27	0.17
E. Bientina	E. Bientina	16	Tr30	85	-0.42	3.37	1.29	3.41	0.000274	0.9	94.8	43.71	0.19
E. Bientina	E. Bientina	16	Tr200	85	-0.42	3.37	1.29	3.41	0.000274	0.9	94.8	43.71	0.19
E. Bientina	E. Bientina	16	Tr500	85	-0.42	3.37	1.29	3.41	0.000274	0.9	94.8	43.71	0.19
E. Bientina	E. Bientina	17	Tr30	85	-1.7	3.47	0.06	3.51	0.000116	0.8	106.37	28.11	0.13
E. Bientina	E. Bientina	17	Tr200	85	-1.7	3.47	0.06	3.51	0.000116	0.8	106.37	28.11	0.13
E. Bientina	E. Bientina	17	Tr500	85	-1.7	3.47	0.06	3.51	0.000116	0.8	106.37	28.11	0.13
E. Bientina	E. Bientina	18	Tr30	85	-1.6	3.47	0.05	3.51	0.000127	0.84	101.21	26.96	0.14
E. Bientina	E. Bientina	18	Tr200	85	-1.6	3.47	0.05	3.51	0.000127	0.84	101.21	26.96	0.14
E. Bientina	E. Bientina	18	Tr500	85	-1.6	3.47	0.05	3.51	0.000127	0.84	101.21	26.96	0.14
E. Bientina	E. Bientina	19	Tr30	85	-1.55	3.46	0.42	3.51	0.000208	1.01	84.54	24.23	0.17
E. Bientina	E. Bientina	19	Tr200	85	-1.55	3.46	0.42	3.51	0.000208	1.01	84.54	24.23	0.17
E. Bientina	E. Bientina	19	Tr500	85	-1.55	3.46	0.42	3.51	0.000208	1.01	84.54	24.23	0.17
E. Bientina	E. Bientina	20	Tr30	85	-1.72	3.52	0.43	3.53	0.000077	0.6	142.2	46.15	0.11
E. Bientina	E. Bientina	20	Tr200	85	-1.72	3.52	0.43	3.53	0.000077	0.6	142.2	46.15	0.11
E. Bientina	E. Bientina	20	Tr500	85	-1.72	3.52	0.43	3.53	0.000077	0.6	142.2	46.15	0.11

E. Bientina	E. Bientina	21	Tr30	85	-1.43	3.52	0.55	3.56	0.000131	0.83	102.91	28.75	0.14
E. Bientina	E. Bientina	21	Tr200	85	-1.43	3.52	0.55	3.56	0.000131	0.83	102.91	28.75	0.14
E. Bientina	E. Bientina	21	Tr500	85	-1.43	3.52	0.55	3.56	0.000131	0.83	102.91	28.75	0.14
E. Bientina	E. Bientina	22	Tr30	85	-1.43	3.53	0.55	3.56	0.000129	0.81	104.51	29.75	0.14
E. Bientina	E. Bientina	22	Tr200	85	-1.43	3.53	0.55	3.56	0.000129	0.81	104.51	29.75	0.14
E. Bientina	E. Bientina	22	Tr500	85	-1.43	3.53	0.55	3.56	0.000129	0.81	104.51	29.75	0.14
E. Bientina	E. Bientina	23	Tr30	85	-1.43	3.53	0.55	3.56	0.00013	0.81	104.45	29.75	0.14
E. Bientina	E. Bientina	23	Tr200	85	-1.43	3.53	0.55	3.56	0.00013	0.81	104.45	29.75	0.14
E. Bientina	E. Bientina	23	Tr500	85	-1.43	3.53	0.55	3.56	0.00013	0.81	104.45	29.75	0.14
E. Bientina	E. Bientina	24	Tr30	85	-1.69	3.56	0.29	3.58	0.000097	0.72	118.63	32.03	0.12
E. Bientina	E. Bientina	24	Tr200	85	-1.69	3.56	0.29	3.58	0.000097	0.72	118.63	32.03	0.12
E. Bientina	E. Bientina	24	Tr500	85	-1.69	3.56	0.29	3.58	0.000097	0.72	118.63	32.03	0.12
E. Bientina	E. Bientina	25	Tr30	85	-1.01	3.62	0.77	3.65	0.000117	0.77	109.95	30.5	0.13
E. Bientina	E. Bientina	25	Tr200	85	-1.01	3.62	0.77	3.65	0.000117	0.77	109.95	30.5	0.13
E. Bientina	E. Bientina	25	Tr500	85	-1.01	3.62	0.77	3.65	0.000117	0.77	109.95	30.5	0.13
E. Bientina	E. Bientina	26	Tr30	85	-1.76	3.69	1.08	3.79	0.000454	1.41	60.25	14.81	0.22
E. Bientina	E. Bientina	26	Tr200	85	-1.76	3.69	1.08	3.79	0.000454	1.41	60.25	14.81	0.22
E. Bientina	E. Bientina	26	Tr500	85	-1.76	3.69	1.08	3.79	0.000454	1.41	60.25	14.81	0.22
E. Bientina	E. Bientina	27	Tr30	85	-0.53	4.07	2.12	4.21	0.00075	1.69	50.44	15.41	0.3
E. Bientina	E. Bientina	27	Tr200	85	-0.53	4.07	2.12	4.21	0.00075	1.69	50.44	15.41	0.3
E. Bientina	E. Bientina	27	Tr500	85	-0.53	4.07	2.12	4.21	0.00075	1.69	50.44	15.41	0.3
E. Bientina	E. Bientina	28	Tr30	85	-1.71	4.25	0.74	4.31	0.000215	1.08	78.39	16.17	0.16
E. Bientina	E. Bientina	28	Tr200	85	-1.71	4.25	0.74	4.31	0.000215	1.08	78.39	16.17	0.16
E. Bientina	E. Bientina	28	Tr500	85	-1.71	4.25	0.74	4.31	0.000215	1.08	78.39	16.17	0.16
E. Bientina	E. Bientina	29	Tr30	85	-0.59	4.35	1.84	4.43	0.000319	1.2	70.7	19.98	0.2
E. Bientina	E. Bientina	29	Tr200	85	-0.59	4.35	1.84	4.43	0.000319	1.2	70.7	19.98	0.2
E. Bientina	E. Bientina	29	Tr500	85	-0.59	4.35	1.84	4.43	0.000319	1.2	70.7	19.98	0.2
E. Bientina	E. Bientina	30	Tr30	85	-1.56	4.45	0.35	4.46	0.000025	0.42	204.25	45.21	0.06
E. Bientina	E. Bientina	30	Tr200	85	-1.56	4.45	0.35	4.46	0.000025	0.42	204.25	45.21	0.06
E. Bientina	E. Bientina	30	Tr500	85	-1.56	4.45	0.35	4.46	0.000025	0.42	204.25	45.21	0.06
E. Bientina	E. Bientina	31	Tr30	85	-1	4.46	1.09	4.47	0.000049	0.54	157.25	39.21	0.09
E. Bientina	E. Bientina	31	Tr200	85	-1	4.46	1.09	4.47	0.000049	0.54	157.25	39.21	0.09
E. Bientina	E. Bientina	31	Tr500	85	-1	4.46	1.09	4.47	0.000049	0.54	157.25	39.21	0.09
E. Bientina	E. Bientina	32	Tr30	85	0.3	4.44	2.39	4.5	0.000316	1.13	75.36	25.1	0.21
E. Bientina	E. Bientina	32	Tr200	85	0.3	4.44	2.39	4.5	0.000316	1.13	75.36	25.1	0.21
E. Bientina	E. Bientina	32	Tr500	85	0.3	4.44	2.39	4.5	0.000316	1.13	75.36	25.1	0.21
E. Bientina	E. Bientina	33	Tr30	85	-1.05	4.61	1.08	4.65	0.000134	0.89	95.78	20.6	0.13
E. Bientina	E. Bientina	33	Tr200	85	-1.05	4.61	1.08	4.65	0.000134	0.89	95.78	20.6	0.13
E. Bientina	E. Bientina	33	Tr500	85	-1.05	4.61	1.08	4.65	0.000134	0.89	95.78	20.6	0.13
E. Bientina	E. Bientina	34	Tr30	85	0.04	4.66	1.63	4.67	0.00002	0.36	258.07	71.83	0.06
E. Bientina	E. Bientina	34	Tr200	85	0.04	4.66	1.63	4.67	0.00002	0.36	258.07	71.83	0.06
E. Bientina	E. Bientina	34	Tr500	85	0.04	4.66	1.63	4.67	0.00002	0.36	258.07	71.83	0.06
E. Bientina	E. Bientina	35	Tr30	85	-0.01	4.68	1.56	4.7	0.000059	0.57	150.15	40.23	0.09
E. Bientina	E. Bientina	35	Tr200	85	-0.01	4.68	1.56	4.7	0.000059	0.57	150.15	40.23	0.09
E. Bientina	E. Bientina	35	Tr500	85	-0.01	4.68	1.56	4.7	0.000059	0.57	150.15	40.23	0.09
E. Bientina	E. Bientina	36	Tr30	85	0.09	4.7	1.7	4.71	0.000034	0.45	211.13	68.57	0.08
E. Bientina	E. Bientina	36	Tr200	85	0.09	4.7	1.7	4.71	0.000034	0.45	211.13	68.57	0.08
E. Bientina	E. Bientina	36	Tr500	85	0.09	4.7	1.7	4.71	0.000034	0.45	211.13	68.57	0.08
E. Bientina	E. Bientina	37	Tr30	85	-0.01	4.7	1.57	4.72	0.000057	0.56	152.33	41.25	0.09
E. Bientina	E. Bientina	37	Tr200	85	-0.01	4.7	1.57	4.72	0.000057	0.56	152.33	41.25	0.09
E. Bientina	E. Bientina	37	Tr500	85	-0.01	4.7	1.57	4.72	0.000057	0.56	152.33	41.25	0.09
E. Bientina	E. Bientina	38	Tr30	85	-0.7	4.72	1.52	4.73	0.00003	0.42	213.97	61.21	0.07
E. Bientina	E. Bientina	38	Tr200	85	-0.7	4.72	1.52	4.73	0.00003	0.42	213.97	61.21	0.07
E. Bientina	E. Bientina	38	Tr500	85	-0.7	4.72	1.52	4.73	0.00003	0.42	213.97	61.21	0.07
E. Bientina	E. Bientina	39	Tr30	85	-0.65	4.73	1.44	4.73	0.000025	0.41	226.55	64.9	0.07
E. Bientina	E. Bientina	39	Tr200	85	-0.65	4.73	1.44	4.73	0.000025	0.41	226.55	64.9	0.07
E. Bientina	E. Bientina	39	Tr500	85	-0.65	4.73	1.44	4.73	0.000025	0.41	226.55	64.9	0.07
E. Bientina	E. Bientina	40	Tr30	85	-0.61	4.73	1.52	4.74	0.000023	0.39	239.01	68.5	0.06
E. Bientina	E. Bientina	40	Tr200	85	-0.61	4.73	1.52	4.74	0.000023	0.39	239.01	68.5	0.06
E. Bientina	E. Bientina	40	Tr500	85	-0.61	4.73	1.52	4.74	0.000023	0.39	239.01	68.5	0.06
F. Chiara	F. Chiara	0.2	Tr30	39.96	-3.17	3.07	-2	3.07	0.000005	0.19	227.67	65.76	0.03
F. Chiara	F. Chiara	0.2	Tr200	60.52	-3.17	3.07	-1.73	3.08	0.000012	0.28	227.61	65.76	0.04
F. Chiara	F. Chiara	0.2	Tr500	70.63	-3.17	3.07	-1.61	3.08	0.000016	0.33	227.56	65.76	0.05

F. Chiara	F. Chiara	0.3	Tr30	39.96	-3.12	3.07	-1.89	3.08	0.000007	0.22	194.53	57.17	0.03
F. Chiara	F. Chiara	0.3	Tr200	60.52	-3.12	3.08	-1.63	3.08	0.000016	0.33	194.57	57.17	0.05
F. Chiara	F. Chiara	0.3	Tr500	70.63	-3.12	3.08	-1.52	3.08	0.000022	0.38	194.58	57.17	0.06
F. Chiara	F. Chiara	0.4	Tr30	39.96	-3.48	3.08	-2.03	3.08	0.000005	0.17	232.88	60.25	0.03
F. Chiara	F. Chiara	0.4	Tr200	60.52	-3.48	3.08	-1.75	3.09	0.000011	0.26	233.2	60.25	0.04
F. Chiara	F. Chiara	0.4	Tr500	70.63	-3.48	3.09	-1.63	3.09	0.000015	0.31	233.4	60.25	0.05
F. Chiara	F. Chiara	0.5	Tr30	39.96	-3.55	3.08	-2.09	3.08	0.000004	0.17	236.39	52.46	0.03
F. Chiara	F. Chiara	0.5	Tr200	60.52	-3.55	3.09	-1.8	3.09	0.000009	0.26	236.78	52.46	0.04
F. Chiara	F. Chiara	0.5	Tr500	70.63	-3.55	3.09	-1.68	3.1	0.000013	0.3	237.01	52.46	0.04
F. Chiara	F. Chiara	1	Tr30	39.96	-1.52	3.08	-0.09	3.09	0.000037	0.44	99.53	33.73	0.08
F. Chiara	F. Chiara	1	Tr200	60.52	-1.52	3.09	0.33	3.11	0.000083	0.66	99.91	33.73	0.12
F. Chiara	F. Chiara	1	Tr500	70.63	-1.52	3.1	0.48	3.13	0.000113	0.77	100.15	33.73	0.13
F. Chiara	F. Chiara	2	Tr30	39.96	-1.3	3.09	0.21	3.11	0.00011	0.65	61.65	21.27	0.12
F. Chiara	F. Chiara	2	Tr200	60.52	-1.3	3.12	0.6	3.16	0.000247	0.97	62.15	21.33	0.18
F. Chiara	F. Chiara	2	Tr500	70.63	-1.3	3.13	0.8	3.2	0.000331	1.13	62.47	21.37	0.21
F. Chiara	F. Chiara	3		Culvert									
F. Chiara	F. Chiara	4	Tr30	39.96	-1.3	3.11	0.21	3.13	0.000108	0.64	62.02	21.32	0.12
F. Chiara	F. Chiara	4	Tr200	60.52	-1.3	3.16	0.6	3.2	0.000237	0.96	63.02	21.44	0.18
F. Chiara	F. Chiara	4	Tr500	70.63	-1.3	3.19	0.8	3.25	0.000314	1.11	63.67	21.51	0.21
F. Chiara	F. Chiara	5	Tr30	39.96	-1.18	3.13	-0.25	3.13	0.000038	0.42	97.78	31.83	0.07
F. Chiara	F. Chiara	5	Tr200	60.52	-1.18	3.19	0.03	3.21	0.000082	0.63	99.91	32.18	0.11
F. Chiara	F. Chiara	5	Tr500	70.63	-1.18	3.23	0.16	3.26	0.000109	0.72	101.26	32.47	0.13
F. Chiara	F. Chiara	6	Tr30	39.96	-1.24	3.13	-0.2	3.14	0.000024	0.31	131.85	51.05	0.06
F. Chiara	F. Chiara	6	Tr200	60.52	-1.24	3.21	0.08	3.22	0.000049	0.46	135.75	51.05	0.09
F. Chiara	F. Chiara	6	Tr500	70.63	-1.24	3.26	0.2	3.27	0.000064	0.53	138.2	51.05	0.1
F. Chiara	F. Chiara	7	Tr30	39.96	-1.25	3.14	-0.17	3.14	0.000012	0.25	178.67	65.09	0.04
F. Chiara	F. Chiara	7	Tr200	60.52	-1.25	3.22	0.12	3.23	0.000026	0.36	184.09	65.25	0.06
F. Chiara	F. Chiara	7	Tr500	70.63	-1.25	3.28	0.24	3.28	0.000033	0.42	187.46	65.35	0.07
F. Chiara	F. Chiara	8	Tr30	39.96	-1.44	3.15	-0.21	3.15	0.00004	0.41	98.42	32.8	0.07
F. Chiara	F. Chiara	8	Tr200	60.52	-1.44	3.23	0.07	3.25	0.000083	0.6	101.33	32.8	0.11
F. Chiara	F. Chiara	8	Tr500	70.63	-1.44	3.29	0.19	3.31	0.000107	0.68	103.13	32.8	0.12
F. Chiara	F. Chiara	9	Tr30	39.96	-1	3.16	0.12	3.17	0.000055	0.5	80.47	23.78	0.09
F. Chiara	F. Chiara	9	Tr200	60.52	-1	3.26	0.41	3.28	0.000117	0.73	82.84	23.78	0.12
F. Chiara	F. Chiara	9	Tr500	70.63	-1	3.32	0.54	3.35	0.000151	0.84	84.27	23.78	0.14
F. Chiara	F. Chiara	11	Tr30	39.96	-1.39	3.2	0.07	3.21	0.000051	0.46	91.26	37.95	0.09
F. Chiara	F. Chiara	11	Tr200	60.52	-1.39	3.35	0.49	3.37	0.000097	0.65	96.9	38.13	0.12
F. Chiara	F. Chiara	11	Tr500	70.63	-1.39	3.44	0.67	3.46	0.000119	0.74	100.21	38.24	0.13
F. Chiara	F. Chiara	12		Bridge									
F. Chiara	F. Chiara	13	Tr30	39.96	-1.39	3.21	0.07	3.23	0.00005	0.46	91.72	37.97	0.09
F. Chiara	F. Chiara	13	Tr200	60.52	-1.39	3.38	0.49	3.4	0.000094	0.65	97.99	38.17	0.12
F. Chiara	F. Chiara	13	Tr500	70.63	-1.39	3.48	0.67	3.5	0.000114	0.73	101.72	38.29	0.13
F. Chiara	F. Chiara	14	Tr30	39.96	-1.2	3.23	0.36	3.23	0.000018	0.29	163.38	74.9	0.05
F. Chiara	F. Chiara	14	Tr200	60.52	-1.2	3.4	0.65	3.41	0.000033	0.41	177.59	82.45	0.07
F. Chiara	F. Chiara	14	Tr500	70.63	-1.2	3.51	0.76	3.51	0.000039	0.46	186.12	82.45	0.08
F. Chiara	F. Chiara	15	Tr30	39.96	-1.3	3.23	0.06	3.24	0.000039	0.42	95.54	30.37	0.08
F. Chiara	F. Chiara	15	Tr200	60.52	-1.3	3.4	0.34	3.42	0.000075	0.6	100.89	30.37	0.11
F. Chiara	F. Chiara	15	Tr500	70.63	-1.3	3.51	0.46	3.53	0.000093	0.68	104.01	30.37	0.12
F. Chiara	F. Chiara	17	Tr30	39.96	-1.29	3.24	-0.11	3.24	0.000009	0.21	218.8	86.41	0.04
F. Chiara	F. Chiara	17	Tr200	60.52	-1.29	3.42	0.27	3.42	0.000016	0.29	234.78	86.41	0.05
F. Chiara	F. Chiara	17	Tr500	70.63	-1.29	3.53	0.42	3.53	0.00002	0.33	244.1	86.41	0.06
F. Chiara	F. Chiara	18	Tr30	39.96	-1.07	3.24	0.01	3.24	0.000021	0.27	158.76	77.43	0.06
F. Chiara	F. Chiara	18	Tr200	60.52	-1.07	3.42	0.29	3.43	0.000036	0.38	173.15	77.43	0.07
F. Chiara	F. Chiara	18	Tr500	70.63	-1.07	3.53	0.41	3.54	0.000043	0.42	181.52	77.43	0.08
F. Chiara	F. Chiara	19	Tr30	39.96	-0.95	3.25	0.31	3.25	0.000017	0.3	146.87	50.74	0.05
F. Chiara	F. Chiara	19	Tr200	60.52	-0.95	3.44	0.53	3.45	0.000032	0.42	156.72	50.74	0.07
F. Chiara	F. Chiara	19	Tr500	70.63	-0.95	3.55	0.62	3.56	0.000039	0.48	162.38	50.74	0.08
F. Chiara	F. Chiara	20	Tr30	39.96	-1.64	3.25	-0.78	3.26	0.000007	0.21	211.52	62.07	0.03
F. Chiara	F. Chiara	20	Tr200	60.52	-1.64	3.46	-0.53	3.46	0.000013	0.3	223.97	62.07	0.05
F. Chiara	F. Chiara	20	Tr500	70.63	-1.64	3.57	-0.42	3.58	0.000016	0.34	231.1	62.07	0.05
F. Chiara	F. Chiara	21	Tr30	39.96	-1.01	3.26	-0.05	3.26	0.000009	0.22	193.81	62.21	0.04
F. Chiara	F. Chiara	21	Tr200	60.52	-1.01	3.47	0.23	3.47	0.000017	0.32	206.64	62.21	0.05
F. Chiara	F. Chiara	21	Tr500	70.63	-1.01	3.58	0.32	3.59	0.000021	0.36	213.94	62.21	0.06
F. Chiara	F. Chiara	22	Tr30	39.96	-1.08	3.26	-0.02	3.27	0.000007	0.19	237.45	81.37	0.03

F. Chiara	F. Chiara	22	Tr200	60.52	-1.08	3.47	0.31	3.48	0.000012	0.26	254.49	81.37	0.05
F. Chiara	F. Chiara	22	Tr500	70.63	-1.08	3.59	0.43	3.6	0.000015	0.3	264.17	81.37	0.05
F. Chiara	F. Chiara	23	Tr30	39.96	-0.83	3.27	-0.19	3.27	0.000005	0.17	268.83	86.03	0.03
F. Chiara	F. Chiara	23	Tr200	60.52	-0.83	3.48	0.01	3.48	0.000009	0.23	287.01	86.03	0.04
F. Chiara	F. Chiara	23	Tr500	70.63	-0.83	3.6	0.09	3.6	0.000011	0.26	297.32	86.03	0.04
F. Chiara	F. Chiara	24	Tr30	39.96	-0.94	3.27	-0.03	3.27	0.000006	0.19	228.57	69.87	0.03
F. Chiara	F. Chiara	24	Tr200	60.52	-0.94	3.48	0.19	3.48	0.000012	0.27	243.41	69.87	0.04
F. Chiara	F. Chiara	24	Tr500	70.63	-0.94	3.6	0.28	3.6	0.000014	0.3	251.82	69.87	0.05
F. Chiara	F. Chiara	25	Tr30	39.96	-0.73	3.27	-0.11	3.27	0.000007	0.2	213.16	65.02	0.03
F. Chiara	F. Chiara	25	Tr200	60.52	-0.73	3.48	0.08	3.49	0.000013	0.28	227.05	65.02	0.05
F. Chiara	F. Chiara	25	Tr500	70.63	-0.73	3.6	0.16	3.61	0.000016	0.32	234.91	65.02	0.05
F. Chiara	F. Chiara	26	Tr30	39.96	-0.67	3.27	0.13	3.27	0.000006	0.18	239.01	78.76	0.03
F. Chiara	F. Chiara	26	Tr200	60.52	-0.67	3.49	0.35	3.49	0.000011	0.25	256.04	78.76	0.04
F. Chiara	F. Chiara	26	Tr500	70.63	-0.67	3.61	0.42	3.61	0.000014	0.29	265.68	78.76	0.05
F. Chiara	F. Chiara	27	Tr30	39.96	-0.6	3.28	0.52	3.28	0.000021	0.29	150.08	64.13	0.06
F. Chiara	F. Chiara	27	Tr200	60.52	-0.6	3.5	0.74	3.5	0.000037	0.39	164.2	64.13	0.07
F. Chiara	F. Chiara	27	Tr500	70.63	-0.6	3.62	0.84	3.63	0.000043	0.44	172.15	64.13	0.08
F. Chiara	F. Chiara	28	Tr30	39.96	-0.53	3.29	0.48	3.29	0.000025	0.29	144.84	69.96	0.06
F. Chiara	F. Chiara	28	Tr200	60.52	-0.53	3.51	0.73	3.52	0.000041	0.39	160.63	69.96	0.08
F. Chiara	F. Chiara	28	Tr500	70.63	-0.53	3.64	0.84	3.65	0.000048	0.44	169.46	69.96	0.09
F. Chiara	F. Chiara	29	Tr30	39.96	-0.36	3.3	1.06	3.3	0.000012	0.22	200.37	82.74	0.04
F. Chiara	F. Chiara	29	Tr200	60.52	-0.36	3.54	1.32	3.54	0.00002	0.3	219.88	82.74	0.06
F. Chiara	F. Chiara	29	Tr500	70.63	-0.36	3.67	1.39	3.67	0.000023	0.34	230.67	82.74	0.06
F. Chiara	F. Chiara	30	Tr30	39.96	-0.31	3.3	1.01	3.31	0.000035	0.35	127.95	63.9	0.07
F. Chiara	F. Chiara	30	Tr200	60.52	-0.31	3.54	1.33	3.55	0.000055	0.47	143.18	63.9	0.09
F. Chiara	F. Chiara	30	Tr500	70.63	-0.31	3.67	1.45	3.68	0.000063	0.52	151.56	63.9	0.1
F. Chiara	F. Chiara	31	Tr30	39.96	-0.2	3.32	1.01	3.32	0.000023	0.3	145.74	60.89	0.06
F. Chiara	F. Chiara	31	Tr200	60.52	-0.2	3.57	1.3	3.57	0.000039	0.41	160.83	60.89	0.08
F. Chiara	F. Chiara	31	Tr500	70.63	-0.2	3.7	1.44	3.71	0.000046	0.46	169.04	60.89	0.08
F. Chiara	F. Chiara	32	Tr30	39.96	-0.22	3.33	0.99	3.33	0.000037	0.4	114.52	49.92	0.08
F. Chiara	F. Chiara	32	Tr200	60.52	-0.22	3.58	1.27	3.59	0.000061	0.54	127.09	49.92	0.1
F. Chiara	F. Chiara	32	Tr500	70.63	-0.22	3.71	1.4	3.73	0.000071	0.6	133.9	49.92	0.11
F.Fattoria	F.FattoriaV1	1	Tr30	51.98	-1.75	4.12	1.04	4.15	0.000179	0.87	59.59	16.15	0.14
F.Fattoria	F.FattoriaV1	1	Tr200	78.96	-1.75	4.93	1.5	4.99	0.000234	1.09	72.74	16.15	0.16
F.Fattoria	F.FattoriaV1	1	Tr500	92.36	-1.75	5.29	1.7	5.36	0.000259	1.18	78.48	16.15	0.17
F.Fattoria	F.FattoriaV1	2	Tr30	51.98	-1.51	4.14	1.1	4.18	0.000173	0.85	61.38	17.1	0.14
F.Fattoria	F.FattoriaV1	2	Tr200	78.96	-1.51	4.97	1.57	5.02	0.00022	1.05	75.46	17.1	0.16
F.Fattoria	F.FattoriaV1	2	Tr500	92.36	-1.51	5.33	1.77	5.39	0.000241	1.13	81.62	17.1	0.17
F.Fattoria	F.FattoriaV1	3	Tr30	51.98	-1.69	4.18	1.25	4.21	0.000148	0.78	66.94	19.08	0.13
F.Fattoria	F.FattoriaV1	3	Tr200	78.96	-1.69	5.01	1.71	5.06	0.000183	0.95	82.86	19.08	0.15
F.Fattoria	F.FattoriaV1	3	Tr500	92.36	-1.69	5.38	1.9	5.43	0.000198	1.03	89.83	19.08	0.15
F.Fattoria	F.FattoriaV1	4	Tr30	51.98	-1.68	4.23	1.06	4.26	0.000155	0.82	63.65	15.97	0.13
F.Fattoria	F.FattoriaV1	4	Tr200	78.96	-1.68	5.07	1.51	5.13	0.000207	1.02	77.16	15.97	0.15
F.Fattoria	F.FattoriaV1	4	Tr500	92.36	-1.68	5.44	1.68	5.51	0.00023	1.11	83.08	15.97	0.16
F.Fattoria	F.FattoriaV1	5	Tr30	51.98	-1.62	4.27	1.09	4.3	0.000159	0.83	62.34	15.46	0.13
F.Fattoria	F.FattoriaV1	5	Tr200	78.96	-1.62	5.13	1.55	5.18	0.000213	1.04	75.63	15.46	0.15
F.Fattoria	F.FattoriaV1	5	Tr500	92.36	-1.62	5.5	1.74	5.57	0.000237	1.13	81.44	15.46	0.16
F.Fattoria	F.FattoriaV1	6	Tr30	51.98	-1.78	4.3	0.83	4.31	0.000036	0.43	119.58	30	0.07
F.Fattoria	F.FattoriaV1	6	Tr200	78.96	-1.78	5.18	1.09	5.2	0.000045	0.54	145.92	30	0.08
F.Fattoria	F.FattoriaV1	6	Tr500	92.36	-1.78	5.57	1.2	5.58	0.000049	0.59	157.47	30	0.08
F.Fattoria	F.FattoriaV1	7	Tr30	51.98	-1.69	4.3	0.85	4.32	0.000055	0.52	99.04	27.03	0.09
F.Fattoria	F.FattoriaV1	7	Tr200	78.96	-1.69	5.18	1.19	5.2	0.000067	0.64	122.76	27.03	0.1
F.Fattoria	F.FattoriaV1	7	Tr500	92.36	-1.69	5.56	1.33	5.59	0.000072	0.69	133.16	27.03	0.1
F.Fattoria	F.FattoriaV1	8	Tr30	51.98	-1.6	4.29	0.86	4.34	0.000193	0.93	56.14	12.83	0.14
F.Fattoria	F.FattoriaV1	8	Tr200	78.96	-1.6	5.16	1.41	5.23	0.000272	1.17	67.27	12.83	0.16
F.Fattoria	F.FattoriaV1	8	Tr500	92.36	-1.6	5.54	1.62	5.63	0.000309	1.28	72.14	12.83	0.17
F.Fattoria	F.FattoriaV1	9	Tr30	51.98	-1.61	4.31	0.87	4.35	0.000204	0.96	54.34	12.18	0.14
F.Fattoria	F.FattoriaV1	9	Tr200	78.96	-1.61	5.18	1.37	5.25	0.000292	1.22	64.95	12.18	0.17
F.Fattoria	F.FattoriaV1	9	Tr500	92.36	-1.61	5.56	1.59	5.65	0.000333	1.33	69.6	12.18	0.18
F.Fattoria	F.FattoriaV1	10	Tr30	51.98	-1.76	4.35	0.48	4.36	0.000042	0.48	107.3	26.84	0.08
F.Fattoria	F.FattoriaV1	10	Tr200	78.96	-1.76	5.25	0.83	5.27	0.000053	0.6	131.4	26.84	0.09
F.Fattoria	F.FattoriaV1	10	Tr500	92.36	-1.76	5.64	0.98	5.66	0.000058	0.65	141.99	26.84	0.09
F.Fattoria	F.FattoriaV1	11	Tr30	51.98	-1.93	4.36	0.7	4.37	0.000043	0.48	107.65	26.99	0.08
F.Fattoria	F.FattoriaV1	11	Tr200	78.96	-1.93	5.26	1.01	5.28	0.000054	0.6	131.97	26.99	0.09





F.Fattoria	F.FattoriaMonte2	101	Tr30	36.32	-1.12	4.86	1.11	4.88	0.000146	0.76	56.65	12.04	0.11
F.Fattoria	F.FattoriaMonte2	101	Tr200	55.36	-1.12	5.66	1.96	5.7	0.000209	1	66.32	12.04	0.13
F.Fattoria	F.FattoriaMonte2	101	Tr500	64.8	-1.12	6.03	2.15	6.08	0.000236	1.11	70.73	12.04	0.14
F.Fattoria	F.FattoriaMonte2	103	Tr30	36.32	-0.42	4.89	1.3	4.89	0.000015	0.33	126.76	29.97	0.05
F.Fattoria	F.FattoriaMonte2	103	Tr200	55.36	-0.42	5.71	1.41	5.72	0.000002	0.43	151.39	29.97	0.06
F.Fattoria	F.FattoriaMonte2	103	Tr500	64.8	-0.42	6.09	1.49	6.1	0.000022	0.47	162.66	29.97	0.06
F.Fattoria	F.FattoriaMonte2	104	Tr30	36.32	-0.4	4.89	1.27	4.9	0.000013	0.31	135.54	32.29	0.05
F.Fattoria	F.FattoriaMonte2	104	Tr200	55.36	-0.4	5.72	1.49	5.72	0.000017	0.4	162.12	32.29	0.06
F.Fattoria	F.FattoriaMonte2	104	Tr500	64.8	-0.4	6.09	1.51	6.1	0.000019	0.44	174.29	32.29	0.06
F.Fattoria	F.FattoriaMonte2	105	Tr30	36.32	-0.19	4.9	1.58	4.9	0.000019	0.37	115.37	30.03	0.06
F.Fattoria	F.FattoriaMonte2	105	Tr200	55.36	-0.19	5.72	1.83	5.73	0.000025	0.47	140.12	30.03	0.07
F.Fattoria	F.FattoriaMonte2	105	Tr500	64.8	-0.19	6.1	1.9	6.11	0.000027	0.51	151.44	30.03	0.07
F.Fattoria	F.FattoriaMonte2	106	Tr30	36.32	-0.04	4.9	1.55	4.91	0.000018	0.36	117.97	30	0.06
F.Fattoria	F.FattoriaMonte2	106	Tr200	55.36	-0.04	5.73	1.72	5.74	0.000023	0.46	142.76	30	0.06
F.Fattoria	F.FattoriaMonte2	106	Tr500	64.8	-0.04	6.11	1.8	6.12	0.000025	0.5	154.09	30	0.07
F.Fattoria	F.FattoriaMonte2	107	Tr30	36.32	0.12	4.91	1.53	4.91	0.000017	0.35	118.27	30	0.06
F.Fattoria	F.FattoriaMonte2	107	Tr200	55.36	0.12	5.74	1.7	5.74	0.000022	0.45	143.09	30	0.06
F.Fattoria	F.FattoriaMonte2	107	Tr500	64.8	0.12	6.11	1.78	6.12	0.000024	0.49	154.44	30	0.07
F.Fattoria	F.FattoriaMonte2	108	Tr30	36.32	0.46	4.91	1.49	4.92	0.000017	0.33	115.07	30	0.05
F.Fattoria	F.FattoriaMonte2	108	Tr200	55.36	0.46	5.74	1.78	5.75	0.000002	0.42	139.93	30	0.06
F.Fattoria	F.FattoriaMonte2	108	Tr500	64.8	0.46	6.12	1.87	6.13	0.000022	0.46	151.29	30	0.06
F.Fattoria	F.FattoriaMonte2	109	Tr30	36.32	0.32	4.92	1.92	4.92	0.000023	0.38	107.67	30.84	0.06
F.Fattoria	F.FattoriaMonte2	109	Tr200	55.36	0.32	5.75	2.15	5.76	0.000028	0.48	133.26	30.84	0.07
F.Fattoria	F.FattoriaMonte2	109	Tr500	64.8	0.32	6.13	2.23	6.14	0.000029	0.52	144.94	30.84	0.07
F.Fattoria	F.Fattoria Monte	1010	Tr30	8.7	0.62	4.92	1.35	4.92	0.000001	0.1	103.37	30	0.02
F.Fattoria	F.Fattoria Monte	1010	Tr200	13.49	0.62	5.76	1.58	5.76	0.000002	0.12	128.37	30	0.02
F.Fattoria	F.Fattoria Monte	1010	Tr500	15.88	0.62	6.14	1.69	6.14	0.000002	0.13	139.78	30	0.02
F.Fattoria	F.Fattoria Monte	1011	Tr30	8.7	0.71	4.92	1.42	4.93	0.000001	0.09	103.21	30.09	0.02
F.Fattoria	F.Fattoria Monte	1011	Tr200	13.49	0.71	5.76	1.58	5.76	0.000002	0.11	128.29	30.09	0.02
F.Fattoria	F.Fattoria Monte	1011	Tr500	15.88	0.71	6.14	1.65	6.14	0.000002	0.12	139.74	30.09	0.02
F.Fattoria	F.Fattoria Monte	1012	Tr30	8.7	0.39	4.93	1.18	4.93	0.000001	0.08	110.94	30	0.01
F.Fattoria	F.Fattoria Monte	1012	Tr200	13.49	0.39	5.76	1.27	5.76	0.000001	0.11	135.94	30	0.02
F.Fattoria	F.Fattoria Monte	1012	Tr500	15.88	0.39	6.14	1.32	6.14	0.000002	0.12	147.36	30	0.02
F.Fattoria	F.Fattoria Monte	1013	Tr30	8.7	0.7	4.93	1.46	4.93	0.000001	0.09	103.64	30.12	0.02
F.Fattoria	F.Fattoria Monte	1013	Tr200	13.49	0.7	5.76	1.57	5.76	0.000002	0.12	128.74	30.12	0.02
F.Fattoria	F.Fattoria Monte	1013	Tr500	15.88	0.7	6.14	1.62	6.14	0.000002	0.13	140.21	30.12	0.02
F.Fattoria	F.Fattoria Monte	1014	Tr30	8.7	1	4.93	1.96	4.93	0.000003	0.11	81.76	30	0.02
F.Fattoria	F.Fattoria Monte	1014	Tr200	13.49	1	5.76	2.15	5.76	0.000003	0.14	106.76	30	0.02
F.Fattoria	F.Fattoria Monte	1014	Tr500	15.88	1	6.14	2.21	6.14	0.000003	0.15	118.18	30	0.02
F.Fattoria	F.Fattoria Monte	1015	Tr30	8.7	0.99	4.93	1.71	4.93	0.000003	0.12	76.4	30	0.02
F.Fattoria	F.Fattoria Monte	1015	Tr200	13.49	0.99	5.76	1.89	5.76	0.000003	0.14	101.4	30	0.02
F.Fattoria	F.Fattoria Monte	1015	Tr500	15.88	0.99	6.14	1.98	6.14	0.000003	0.15	112.82	30	0.02
F.Fattoria	F.Fattoria Monte	1016	Tr30	8.7	0.99	4.93	2.01	4.93	0.000003	0.11	83.7	30	0.02
F.Fattoria	F.Fattoria Monte	1016	Tr200	13.49	0.99	5.76	2.19	5.76	0.000003	0.13	108.71	30	0.02
F.Fattoria	F.Fattoria Monte	1016	Tr500	15.88	0.99	6.14	2.25	6.14	0.000003	0.14	120.12	30	0.02
F.Fattoria	F.Fattoria Monte	1017	Tr30	8.7	1.1	4.93	2.35	4.93	0.000004	0.12	78.4	30.05	0.02

F.Fattoria	F.Fattoria Monte	1017	Tr200	13.49	1.1	5.76	2.63	5.76	0.000004	0.15	103.45	30.05	0.03
F.Fattoria	F.Fattoria Monte	1017	Tr500	15.88	1.1	6.14	2.76	6.14	0.000004	0.16	114.88	30.05	0.03
F.Fattoria	F.Fattoria Monte	1018	Tr30	8.7	1.17	4.93	2.33	4.93	0.000004	0.12	75.93	30	0.02
F.Fattoria	F.Fattoria Monte	1018	Tr200	13.49	1.17	5.76	2.59	5.76	0.000004	0.15	100.93	30	0.03
F.Fattoria	F.Fattoria Monte	1018	Tr500	15.88	1.17	6.14	2.59	6.14	0.000004	0.16	112.35	30	0.03
F.Fattoria	F.Fattoria Monte	1019	Tr30	8.7	1.58	4.93	2.7	4.93	0.000008	0.15	60.59	30	0.03
F.Fattoria	F.Fattoria Monte	1019	Tr200	13.49	1.58	5.76	2.85	5.76	0.000006	0.17	85.59	30	0.03
F.Fattoria	F.Fattoria Monte	1019	Tr500	15.88	1.58	6.14	2.9	6.14	0.000006	0.18	97	30	0.03
F.Fattoria	F.Fattoria Monte	1020	Tr30	8.7	1.94	4.93	3.08	4.93	0.000013	0.18	51.1	30	0.04
F.Fattoria	F.Fattoria Monte	1020	Tr200	13.49	1.94	5.76	3.2	5.77	0.000009	0.2	76.08	30	0.04
F.Fattoria	F.Fattoria Monte	1020	Tr500	15.88	1.94	6.14	3.24	6.15	0.000008	0.2	87.49	30	0.04
F.Fattoria	F.Fattoria Monte	1021	Tr30	8.7	2.48	4.93	3.33	4.94	0.000016	0.19	48.99	30	0.05
F.Fattoria	F.Fattoria Monte	1021	Tr200	13.49	2.48	5.77	3.5	5.77	0.00001	0.2	73.94	30	0.04
F.Fattoria	F.Fattoria Monte	1021	Tr500	15.88	2.48	6.15	3.6	6.15	0.000009	0.2	85.35	30	0.04
F.Fattoria	F.Fattoria Monte	1022	Tr30	8.7	2.48	4.89	4.08	4.96	0.001619	1.18	7.38	4.95	0.31
F.Fattoria	F.Fattoria Monte	1022	Tr200	13.49	2.48	5.72	4.31	5.79	0.001116	1.17	11.5	4.95	0.25
F.Fattoria	F.Fattoria Monte	1022	Tr500	15.88	2.48	6.1	4.41	6.17	0.001025	1.19	13.37	4.95	0.23
F.Fattoria	F.Fattoria Monte	1023	Tr30	8.7	2.65	5.05	3.73	5.09	0.000419	0.79	11.07	6.08	0.19
F.Fattoria	F.Fattoria Monte	1023	Tr200	13.49	2.65	5.86	3.98	5.89	0.000372	0.85	15.95	6.08	0.17
F.Fattoria	F.Fattoria Monte	1023	Tr500	15.88	2.65	6.23	4.09	6.27	0.000362	0.87	18.22	6.08	0.16
F.Fattoria	F.Fattoria Monte	1024	Tr30	8.7	2.9	5.1	4.02	5.14	0.000577	0.87	10	6.13	0.22
F.Fattoria	F.Fattoria Monte	1024	Tr200	13.49	2.9	5.9	4.26	5.94	0.000461	0.91	14.87	6.13	0.19
F.Fattoria	F.Fattoria Monte	1024	Tr500	15.88	2.9	6.27	4.35	6.31	0.000435	0.93	17.15	6.13	0.18
F.Fattoria	F.Fattoria Monte	1025	Tr30	8.7	3.12	5.18	4.21	5.21	0.000651	0.87	9.98	6.49	0.22
F.Fattoria	F.Fattoria Monte	1025	Tr200	13.49	3.12	5.95	4.4	6	0.000488	0.9	15.03	6.49	0.19
F.Fattoria	F.Fattoria Monte	1025	Tr500	15.88	3.12	6.32	4.49	6.37	0.00045	0.91	17.43	6.49	0.18
F.Fattoria	F.Fattoria Monte	1026	Tr30	8.7	3.29	5.3	4.58	5.36	0.001297	1.11	7.84	5.9	0.31
F.Fattoria	F.Fattoria Monte	1026	Tr200	13.49	3.29	6.04	4.78	6.1	0.000875	1.1	12.21	5.9	0.24
F.Fattoria	F.Fattoria Monte	1026	Tr500	15.88	3.29	6.4	4.87	6.46	0.000778	1.11	14.34	5.9	0.23
F.Fattoria	F.Fattoria Monte	1027	Tr30	8.7	4.2	5.55	5.03	5.58	0.000926	0.72	12	19.14	0.29
F.Fattoria	F.Fattoria Monte	1027	Tr200	13.49	4.2	6.17	5.25	6.19	0.000243	0.56	23.9	19.14	0.16
F.Fattoria	F.Fattoria Monte	1027	Tr500	15.88	4.2	6.51	5.32	6.53	0.000157	0.52	30.41	19.14	0.13
Fontino	Fontino	0.5	Tr30	17.08	2.21	6.41	3.79	6.42	0.000064	0.44	40.55	18.18	0.09
Fontino	Fontino	0.5	Tr200	26.07	2.21	6.91	4.16	6.93	0.000078	0.56	49.6	18.18	0.1
Fontino	Fontino	0.5	Tr500	30.52	2.21	7.28	4.33	7.3	0.000071	0.58	56.33	18.18	0.1
Fontino	Fontino	0.8		Bridge									
Fontino	Fontino	1	Tr30	17.08	2.46	6.47	3.74	6.48	0.000061	0.41	41.29	16.27	0.08
Fontino	Fontino	1	Tr200	26.07	2.46	6.96	4.06	6.97	0.000084	0.53	49.21	16.27	0.1
Fontino	Fontino	1	Tr500	30.52	2.46	7.32	4.2	7.33	0.000083	0.55	55.03	16.27	0.1
Fontino	Fontino	2	Tr30	17.08	2.42	6.47	3.94	6.49	0.000074	0.46	36.93	13.11	0.09
Fontino	Fontino	2	Tr200	26.07	2.42	6.96	4.25	6.98	0.000108	0.6	43.3	13.11	0.11
Fontino	Fontino	2	Tr500	30.52	2.42	7.32	4.41	7.34	0.000111	0.64	47.98	13.11	0.11
Fontino	Fontino	3	Tr30	17.08	2.27	6.48	4.04	6.5	0.000162	0.64	26.76	9.66	0.12
Fontino	Fontino	3	Tr200	26.07	2.27	6.96	4.41	7	0.00024	0.83	31.45	9.66	0.15
Fontino	Fontino	3	Tr500	30.52	2.27	7.32	4.58	7.36	0.000247	0.87	34.89	9.66	0.15
Fontino	Fontino	4	Tr30	17.08	2.5	6.5	3.89	6.51	0.000069	0.44	38.71	14.54	0.09
Fontino	Fontino	4	Tr200	26.07	2.5	7	4.25	7.01	0.000097	0.57	45.96	14.54	0.1
Fontino	Fontino	4	Tr500	30.52	2.5	7.35	4.36	7.37	0.000097	0.6	51.18	14.54	0.1
Fontino	Fontino	5	Tr30	17.08	3	6.5	4.39	6.52	0.000151	0.61	28.13	11.22	0.12
Fontino	Fontino	5	Tr200	26.07	3	7	4.8	7.03	0.000209	0.77	33.72	11.22	0.14
Fontino	Fontino	5	Tr500	30.52	3	7.36	4.9	7.39	0.000208	0.81	37.74	11.22	0.14
Fontino	Fontino	6	Tr30	17.08	2.79	6.51	4.27	6.54	0.000179	0.67	25.51	9.75	0.13
Fontino	Fontino	6	Tr200	26.07	2.79	7.02	4.59	7.05	0.000255	0.86	30.41	9.75	0.15
Fontino	Fontino	6	Tr500	30.52	2.79	7.37	4.74	7.42	0.000259	0.9	33.9	9.75	0.15
Fontino	Fontino	7	Tr30	17.08	2.87	6.53	4.45	6.56	0.000235	0.74	23.09	8.86	0.15
Fontino	Fontino	7	Tr200	26.07	2.87	7.04	4.85	7.09	0.000334	0.94	27.6	8.86	0.17
Fontino	Fontino	7	Tr500	30.52	2.87	7.4	4.99	7.45	0.00034	0.99	30.77	8.86	0.17
Fontino	Fontino	8	Tr30	17.08	2.94	6.57	4.31	6.58	0.000147	0.61	27.9	10.08	0.12
Fontino	Fontino	8	Tr200	26.07	2.94	7.09	4.61	7.12	0.00021	0.79	33.19	10.08	0.14
Fontino	Fontino	8	Tr500	30.52	2.94	7.45	4.78	7.49	0.000216	0.83	36.82	10.08	0.14
Fontino	Fontino	9	Tr30	17.08	2.79	6.59	4.07	6.6	0.000043	0.37	46.48	16.5	0.07
Fontino	Fontino	9	Tr200	26.07	2.79	7.13	4.29	7.14	0.00006	0.47	55.36	16.5	0.08
Fontino	Fontino	9	Tr500	30.52	2.79	7.49	4.37	7.5	0.000061	0.5	61.34	16.5	0.08

Fontino	Fontino	10	Tr30	17.08	2.94	6.6	3.9	6.61	0.000053	0.41	41.74	14.01	0.08
Fontino	Fontino	10	Tr200	26.07	2.94	7.14	4.14	7.15	0.000077	0.53	49.32	14.01	0.09
Fontino	Fontino	10	Tr500	30.52	2.94	7.5	4.24	7.52	0.000079	0.56	54.4	14.01	0.09
Fontino	Fontino	11	Tr30	17.08	2.99	6.61	4.35	6.63	0.000158	0.64	26.62	9.47	0.12
Fontino	Fontino	11	Tr200	26.07	2.99	7.15	4.69	7.19	0.000226	0.82	31.77	9.47	0.14
Fontino	Fontino	11	Tr500	30.52	2.99	7.51	4.82	7.55	0.000234	0.87	35.2	9.47	0.14
Fontino	Fontino	12	Tr30	17.08	3.06	6.65	4.54	6.67	0.000199	0.7	24.56	8.63	0.13
Fontino	Fontino	12	Tr200	26.07	3.06	7.21	4.78	7.25	0.000282	0.89	29.41	8.63	0.15
Fontino	Fontino	12	Tr500	30.52	3.06	7.58	4.89	7.62	0.000294	0.94	32.55	8.63	0.15
Fontino	Fontino	13	Tr30	17.08	3.28	6.7	4.86	6.72	0.00019	0.65	26.27	11.68	0.14
Fontino	Fontino	13	Tr200	26.07	3.28	7.28	5.25	7.31	0.000227	0.79	33.07	11.68	0.15
Fontino	Fontino	13	Tr500	30.52	3.28	7.65	5.34	7.68	0.000219	0.82	37.35	11.68	0.15
Fontino	Fontino	14	Tr30	17.08	3.6	6.75	5.37	6.79	0.000397	0.86	19.81	10	0.2
Fontino	Fontino	14	Tr200	26.07	3.6	7.33	5.64	7.39	0.000435	1.02	25.68	10	0.2
Fontino	Fontino	14	Tr500	30.52	3.6	7.7	5.75	7.75	0.000409	1.04	29.32	10	0.19
Fontino	Fontino	15	Tr30	17.08	3.75	6.84	5.26	6.87	0.000312	0.76	22.62	12.24	0.18
Fontino	Fontino	15	Tr200	26.07	3.75	7.44	5.57	7.48	0.000316	0.87	29.92	12.24	0.18
Fontino	Fontino	15	Tr500	30.52	3.75	7.8	5.7	7.84	0.00029	0.89	34.31	12.24	0.17
Fontino	Fontino	16	Tr30	17.08	3.88	6.91	5.52	6.95	0.000446	0.92	18.57	9.23	0.21
Fontino	Fontino	16	Tr200	26.07	3.88	7.51	5.83	7.57	0.000494	1.08	24.08	9.23	0.21
Fontino	Fontino	16	Tr500	30.52	3.88	7.86	5.94	7.92	0.000475	1.12	27.32	9.23	0.21
Fosso Fologno	Fosso Fologno	0.01	Tr30	23.44	0.48	4.93	1.58	4.93	0.000009	0.24	112.89	30	0.04
Fosso Fologno	Fosso Fologno	0.01	Tr200	35.39	0.48	5.76	1.7	5.76	0.000011	0.3	137.87	30	0.04
Fosso Fologno	Fosso Fologno	0.01	Tr500	41.35	0.48	6.14	1.76	6.14	0.000012	0.33	149.27	30	0.05
Fosso Fologno	Fosso Fologno	0.02	Tr30	23.44	0.52	4.93	1.8	4.93	0.00001	0.26	107.07	30	0.04
Fosso Fologno	Fosso Fologno	0.02	Tr200	35.39	0.52	5.76	1.92	5.76	0.000012	0.32	132.06	30	0.05
Fosso Fologno	Fosso Fologno	0.02	Tr500	41.35	0.52	6.14	1.98	6.14	0.000013	0.35	143.47	30	0.05
Fosso Fologno	Fosso Fologno	0.03	Tr30	23.44	0.44	4.93	1.52	4.93	0.000008	0.23	117.72	31.3	0.04
Fosso Fologno	Fosso Fologno	0.03	Tr200	35.39	0.44	5.76	1.65	5.76	0.00001	0.29	143.8	31.3	0.04
Fosso Fologno	Fosso Fologno	0.03	Tr500	41.35	0.44	6.14	1.74	6.14	0.00001	0.31	155.7	31.3	0.04
Fosso Fologno	Fosso Fologno	0.04	Tr30	23.44	0.61	4.93	1.75	4.93	0.00001	0.25	107.84	30	0.04
Fosso Fologno	Fosso Fologno	0.04	Tr200	35.39	0.61	5.76	1.88	5.77	0.000012	0.31	132.84	30	0.05
Fosso Fologno	Fosso Fologno	0.04	Tr500	41.35	0.61	6.14	1.93	6.15	0.000013	0.34	144.25	30	0.05
Fosso Fologno	Fosso Fologno	0.05	Tr30	23.44	0.32	4.93	2.19	4.93	0.000016	0.29	92.99	30.27	0.05
Fosso Fologno	Fosso Fologno	0.05	Tr200	35.39	0.32	5.76	2.39	5.77	0.000017	0.35	118.21	30.27	0.05
Fosso Fologno	Fosso Fologno	0.05	Tr500	41.35	0.32	6.14	2.46	6.15	0.000017	0.37	129.73	30.27	0.06
Fosso Fologno	Fosso Fologno	0.06	Tr30	23.44	0.91	4.93	2.22	4.93	0.000016	0.28	93.63	30	0.05
Fosso Fologno	Fosso Fologno	0.06	Tr200	35.39	0.91	5.77	2.35	5.77	0.000017	0.35	118.64	30	0.05
Fosso Fologno	Fosso Fologno	0.06	Tr500	41.35	0.91	6.15	2.41	6.15	0.000017	0.37	130.06	30	0.06
Fosso Fologno	Fosso Fologno	0.1	Tr30	23.44	1.16	4.93	2.29	4.94	0.000094	0.51	46.27	18.93	0.1
Fosso Fologno	Fosso Fologno	0.1	Tr200	35.39	1.16	5.76	2.61	5.77	0.000088	0.57	62.03	18.93	0.1
Fosso Fologno	Fosso Fologno	0.1	Tr500	41.35	1.16	6.14	2.75	6.16	0.000087	0.6	69.22	18.93	0.1
Fosso Fologno	Fosso Fologno	0.2		Bridge									
Fosso Fologno	Fosso Fologno	0.3	Tr30	23.44	1.16	5.17	2.29	5.18	0.000071	0.46	50.81	18.93	0.09
Fosso Fologno	Fosso Fologno	0.3	Tr200	35.39	1.16	5.98	2.61	5.99	0.000073	0.53	66.19	18.93	0.09
Fosso Fologno	Fosso Fologno	0.3	Tr500	41.35	1.16	6.26	2.75	6.28	0.000079	0.58	71.59	18.93	0.09
Fosso Fologno	Fosso Fologno	0.5	Tr30	23.44	1.1	5.17	2.47	5.18	0.000014	0.27	95.2	30	0.05
Fosso Fologno	Fosso Fologno	0.5	Tr200	35.39	1.1	5.99	2.6	5.99	0.000016	0.33	119.65	30	0.05
Fosso Fologno	Fosso Fologno	0.5	Tr500	41.35	1.1	6.28	2.6	6.28	0.000017	0.36	128.26	30	0.06
Fosso Fologno	Fosso Fologno	1	Tr30	23.44	1.29	5.16	2.83	5.2	0.000312	0.92	25.55	7.83	0.16
Fosso Fologno	Fosso Fologno	1	Tr200	35.39	1.29	5.96	3.16	6.02	0.000398	1.11	31.84	7.83	0.18
Fosso Fologno	Fosso Fologno	1	Tr500	41.35	1.29	6.24	3.31	6.31	0.000458	1.21	34.03	7.83	0.19
Fosso Fologno	Fosso Fologno	1.1	Tr30	23.44	1.19	5.2	2.65	5.21	0.000035	0.37	71.33	30	0.07
Fosso Fologno	Fosso Fologno	1.1	Tr200	35.39	1.19	6.02	3.15	6.03	0.000031	0.41	96.03	30	0.07
Fosso Fologno	Fosso Fologno	1.1	Tr500	41.35	1.19	6.32	3.28	6.32	0.000032	0.44	104.8	30	0.07
Fosso Fologno	Fosso Fologno	1.2		Culvert									
Fosso Fologno	Fosso Fologno	1.3	Tr30	23.44	1.53	5.21	3.18	5.21	0.00004	0.37	68.36	30	0.08
Fosso Fologno	Fosso Fologno	1.3	Tr200	35.39	1.53	6.02	3.47	6.03	0.000034	0.41	92.94	30	0.07
Fosso Fologno	Fosso Fologno	1.3	Tr500	41.35	1.53	6.32	3.53	6.33	0.000035	0.44	101.91	30	0.07
Fosso Fologno	Fosso Fologno	2	Tr30	23.44	1.56	5.21	3.35	5.21	0.000042	0.38	68.36	30	0.08
Fosso Fologno	Fosso Fologno	2	Tr200	35.39	1.56	6.03	3.47	6.03	0.000037	0.43	92.94	30	0.08
Fosso Fologno	Fosso Fologno	2	Tr500	41.35	1.56	6.32	3.53	6.33	0.000037	0.46	101.91	30	0.08
Fosso Fologno	Fosso Fologno	3	Tr30	23.44	1.86	5.21	3.27	5.22	0.000035	0.34	69.33	30	0.07

Fosso Fologno	Fosso Fologno	3	Tr200	35.39	1.86	6.03	3.42	6.04	0.000029	0.39	93.89	30	0.07
Fosso Fologno	Fosso Fologno	3	Tr500	41.35	1.86	6.33	3.48	6.34	0.00003	0.41	102.86	30	0.07
Fosso Fologno	Fosso Fologno	4	Tr30	23.44	1.89	5.21	3.72	5.22	0.000066	0.42	59.63	31.68	0.09
Fosso Fologno	Fosso Fologno	4	Tr200	35.39	1.89	6.03	3.85	6.04	0.000046	0.44	85.56	31.68	0.08
Fosso Fologno	Fosso Fologno	4	Tr500	41.35	1.89	6.33	3.9	6.34	0.000045	0.47	95.04	31.68	0.08
Fosso Fologno	Fosso Fologno	5	Tr30	23.44	2.03	5.21	3.84	5.22	0.00009	0.48	53.51	30	0.11
Fosso Fologno	Fosso Fologno	5	Tr200	35.39	2.03	6.03	3.97	6.04	0.000061	0.5	78.04	30	0.1
Fosso Fologno	Fosso Fologno	5	Tr500	41.35	2.03	6.33	4.03	6.34	0.000059	0.52	87.01	30	0.1
Fosso Fologno	Fosso Fologno	6	Tr30	23.44	2.33	5.22	3.75	5.23	0.000091	0.48	53.36	30	0.11
Fosso Fologno	Fosso Fologno	6	Tr200	35.39	2.33	6.04	3.99	6.05	0.000063	0.51	77.8	30	0.1
Fosso Fologno	Fosso Fologno	6	Tr500	41.35	2.33	6.34	4.05	6.35	0.00006	0.53	86.76	30	0.1
Fosso Fologno	Fosso Fologno	7	Tr30	23.44	2.52	5.23	4.35	5.25	0.000259	0.69	38.39	30	0.18
Fosso Fologno	Fosso Fologno	7	Tr200	35.39	2.52	6.04	4.51	6.06	0.000124	0.64	62.75	30	0.13
Fosso Fologno	Fosso Fologno	7	Tr500	41.35	2.52	6.34	4.57	6.36	0.000111	0.65	71.7	30	0.13
Fosso Fologno	Fosso Fologno	8	Tr30	23.44	2.73	5.25	4.04	5.27	0.000122	0.51	48.09	30	0.13
Fosso Fologno	Fosso Fologno	8	Tr200	35.39	2.73	6.06	4.18	6.07	0.000074	0.52	72.1	30	0.11
Fosso Fologno	Fosso Fologno	8	Tr500	41.35	2.73	6.35	4.24	6.37	0.00007	0.54	81.02	30	0.1
Fosso Fologno	Fosso Fologno	9	Tr30	23.44	2.87	5.27	4.49	5.29	0.000322	0.73	36	30	0.2
Fosso Fologno	Fosso Fologno	9	Tr200	35.39	2.87	6.06	4.62	6.08	0.000144	0.66	59.84	30	0.14
Fosso Fologno	Fosso Fologno	9	Tr500	41.35	2.87	6.36	4.68	6.38	0.000127	0.67	68.74	30	0.14
Fosso Fologno	Fosso Fologno	10	Tr30	23.44	2.96	5.3	4.51	5.32	0.000347	0.71	35.46	30	0.2
Fosso Fologno	Fosso Fologno	10	Tr200	35.39	2.96	6.08	4.65	6.1	0.000156	0.65	58.74	30	0.15
Fosso Fologno	Fosso Fologno	10	Tr500	41.35	2.96	6.37	4.71	6.39	0.000136	0.66	67.58	30	0.14
Fosso Fologno	Fosso Fologno	11	Tr30	23.44	3.26	5.34	4.86	5.38	0.000864	0.92	26.43	30	0.3
Fosso Fologno	Fosso Fologno	11	Tr200	35.39	3.26	6.09	4.99	6.12	0.000265	0.76	48.96	30	0.19
Fosso Fologno	Fosso Fologno	11	Tr500	41.35	3.26	6.38	5.05	6.41	0.000212	0.75	57.73	30	0.17
Fosso Fologno	Fosso Fologno	12	Tr30	23.44	3.51	5.44	5.13	5.5	0.00155	1.22	21.9	30	0.4
Fosso Fologno	Fosso Fologno	12	Tr200	35.39	3.51	6.12	5.26	6.15	0.000436	0.93	42.29	30	0.23
Fosso Fologno	Fosso Fologno	12	Tr500	41.35	3.51	6.4	5.32	6.44	0.00033	0.9	50.88	30	0.21
Fosso Fologno	Fosso Fologno	13	Tr30	23.44	3.68	5.65	5.64	5.85	0.009128	2.06	12.23	28.63	0.89
Fosso Fologno	Fosso Fologno	13	Tr200	35.39	3.68	6.16	5.78	6.25	0.001825	1.43	26.75	28.63	0.44
Fosso Fologno	Fosso Fologno	13	Tr500	41.35	3.68	6.43	5.84	6.51	0.001095	1.29	34.58	28.63	0.36
Fosso Fologno	Fosso Fologno	14	Tr30	23.44	4.1	6.32	6.18	6.43	0.003795	1.63	16.31	30	0.6
Fosso Fologno	Fosso Fologno	14	Tr200	35.39	4.1	6.38	6.32	6.6	0.006066	2.19	18.37	30	0.77
Fosso Fologno	Fosso Fologno	14	Tr500	41.35	4.1	6.55	6.38	6.73	0.003926	1.99	23.42	30	0.64
Fosso Fologno	Fosso Fologno	15	Tr30	20.43	4.39	6.7	6.29	6.82	0.004553	1.56	13.12	21.84	0.64
Fosso Fologno	Fosso Fologno	15	Tr200	30.91	4.39	6.9	6.68	7.05	0.003773	1.69	19.08	30	0.61
Fosso Fologno	Fosso Fologno	15	Tr500	36.17	4.39	6.94	6.78	7.11	0.00445	1.89	20.08	30	0.66
Fosso Fologno	Fosso Fologno	15.2		Bridge									
Fosso Fologno	Fosso Fologno	15.3	Tr30	20.43	4.39	7.27	6.39	7.31	0.000651	0.94	25.57	30.14	0.26
Fosso Fologno	Fosso Fologno	15.3	Tr200	30.91	4.39	7.49	6.85	7.54	0.000759	1.13	32.13	30.14	0.29
Fosso Fologno	Fosso Fologno	15.3	Tr500	36.17	4.39	7.56	6.94	7.62	0.000857	1.23	34.25	30.14	0.31
Fosso Fologno	Fosso Fologno	15.4	Tr30	20.43	4.39	7.29	6.56	7.32	0.00043	0.83	30.06	30	0.2
Fosso Fologno	Fosso Fologno	15.4	Tr200	30.91	4.39	7.51	6.74	7.55	0.000536	1.01	36.75	30	0.23
Fosso Fologno	Fosso Fologno	15.4	Tr500	36.17	4.39	7.59	6.81	7.64	0.000613	1.11	38.99	30	0.25
Fosso Fologno	Fosso Fologno	15.5		Bridge									
Fosso Fologno	Fosso Fologno	15.6	Tr30	20.43	4.42	7.32	6.63	7.34	0.000334	0.68	33.57	30	0.19
Fosso Fologno	Fosso Fologno	15.6	Tr200	30.91	4.42	7.55	6.77	7.58	0.000426	0.85	40.31	30	0.21
Fosso Fologno	Fosso Fologno	15.6	Tr500	36.17	4.42	7.63	6.77	7.66	0.000487	0.94	42.66	30	0.23
Fosso Fologno	Fosso Fologno	16	Tr30	20.43	4.49	7.34	6.39	7.35	0.000214	0.58	38.22	30	0.16
Fosso Fologno	Fosso Fologno	16	Tr200	30.91	4.49	7.57	6.58	7.59	0.000287	0.74	45.12	30	0.19
Fosso Fologno	Fosso Fologno	16	Tr500	36.17	4.49	7.65	6.61	7.68	0.000331	0.82	47.57	30	0.2
Fosso Fologno	Fosso Fologno	17	Tr30	20.43	4.57	7.35	6.16	7.36	0.000104	0.49	47.53	30	0.11
Fosso Fologno	Fosso Fologno	17	Tr200	30.91	4.57	7.58	6.29	7.6	0.000154	0.65	54.57	30	0.14
Fosso Fologno	Fosso Fologno	17	Tr500	36.17	4.57	7.67	6.34	7.69	0.000182	0.72	57.11	30	0.15
Fosso Fologno	Fosso Fologno	18	Tr30	20.43	4.59	7.36	6.18	7.37	0.000132	0.46	44.35	30	0.12
Fosso Fologno	Fosso Fologno	18	Tr200	30.91	4.59	7.6	6.32	7.62	0.000186	0.6	51.54	30	0.15
Fosso Fologno	Fosso Fologno	18	Tr500	36.17	4.59	7.69	6.38	7.71	0.000218	0.67	54.16	30	0.16
Fosso Fologno	Fosso Fologno	19	Tr30	20.43	4.67	7.36	6.28	7.37	0.000162	0.57	40.08	27.57	0.14
Fosso Fologno	Fosso Fologno	19	Tr200	30.91	4.67	7.6	6.45	7.62	0.000229	0.74	46.69	27.57	0.17
Fosso Fologno	Fosso Fologno	19	Tr500	36.17	4.67	7.69	6.5	7.72	0.000267	0.82	49.09	27.57	0.18
Fosso Fologno	Fosso Fologno	20	Tr30	20.43	4.67	7.28	6.39	7.43	0.001895	1.7	12.02	6.28	0.39
Fosso Fologno	Fosso Fologno	20	Tr200	30.91	4.67	7.43	6.72	7.72	0.003502	2.38	12.98	6.28	0.53



Fosso Fologno	Fosso Fologno	39.6	Tr30	10.06	9.48	12.47	10.71	12.48	0.000107	0.38	28.08	23.16	0.09
Fosso Fologno	Fosso Fologno	39.6	Tr200	15.08	9.48	12.6	11.04	12.62	0.000174	0.51	31.1	23.16	0.12
Fosso Fologno	Fosso Fologno	39.6	Tr500	17.59	9.48	12.66	11.56	12.68	0.000206	0.57	32.49	23.16	0.13
Fosso Fologno	Fosso Fologno	39.8	Tr30	10.06	9.86	12.49	11.23	12.5	0.000066	0.33	33.17	30	0.09
Fosso Fologno	Fosso Fologno	39.8	Tr200	15.08	9.86	12.63	11.41	12.64	0.000103	0.44	37.46	30	0.11
Fosso Fologno	Fosso Fologno	39.8	Tr500	17.59	9.86	12.7	11.56	12.71	0.000121	0.49	39.44	30	0.12
Fosso Fologno	Fosso Fologno	39.9		Culvert									
Fosso Fologno	Fosso Fologno	40	Tr30	10.06	10.1	12.49	11.67	12.5	0.000175	0.42	23.96	27.37	0.12
Fosso Fologno	Fosso Fologno	40	Tr200	15.08	10.1	12.63	11.77	12.65	0.000257	0.55	28.02	30	0.15
Fosso Fologno	Fosso Fologno	40	Tr500	17.59	10.1	12.7	11.83	12.71	0.000292	0.61	29.89	30	0.16
Fosso Fologno	Fosso Fologno	41	Tr30	10.06	10.64	12.55	11.99	12.57	0.000466	0.65	16.33	19.57	0.22
Fosso Fologno	Fosso Fologno	41	Tr200	15.08	10.64	12.71	12.1	12.74	0.000607	0.81	19.52	20.1	0.25
Fosso Fologno	Fosso Fologno	41	Tr500	17.59	10.64	12.78	12.14	12.82	0.000696	0.87	21	21.09	0.27
Fosso Fologno	Fosso Fologno	42	Tr30	10.06	11.85	13.49	13.49	13.71	0.006083	2.2	5.48	12.42	0.69
Fosso Fologno	Fosso Fologno	42	Tr200	15.08	11.85	13.65	13.65	13.9	0.00665	2.47	7.45	12.57	0.74
Fosso Fologno	Fosso Fologno	42	Tr500	17.59	11.85	13.73	13.73	13.99	0.006529	2.48	8.55	12.86	0.74
Interporto	Colatore Nord1	33	Tr30	21.91	-1.93	-0.25	-0.25	0.23	0.011376	3.08	7.12	7.42	1
Interporto	Colatore Nord1	33	Tr200	33.05	-1.93	0.31	0.1	0.56	0.004999	2.35	16.09	25.05	0.7
Interporto	Colatore Nord1	33	Tr500	38.65	-1.93	0.42	0.19	0.68	0.004997	2.4	19.66	32.74	0.71
Interporto	Colatore Nord1	34	Tr30	21.91	-1.85	0.38	-0.52	0.48	0.00128	1.38	15.9	11.02	0.37
Interporto	Colatore Nord1	34	Tr200	33.05	-1.85	0.62	-0.21	0.78	0.001962	1.77	18.71	12.37	0.46
Interporto	Colatore Nord1	34	Tr500	38.65	-1.85	0.76	-0.07	0.89	0.001789	1.67	24.9	23.75	0.44
Interporto	Colatore Nord1	35	Tr30	21.91	-1.78	0.55	-0.33	0.65	0.00195	1.46	15.04	13.05	0.43
Interporto	Colatore Nord1	35	Tr200	33.05	-1.78	0.87	0	1.01	0.002171	1.67	20.49	21.09	0.47
Interporto	Colatore Nord1	35	Tr500	38.65	-1.78	0.97	0.14	1.13	0.002343	1.81	22.53	23.35	0.49
Interporto	Colatore Nord1	52	Tr30	21.91	-1.64	0.88	-0.2	0.94	0.000997	1.11	21.33	29.48	0.33
Interporto	Colatore Nord1	52	Tr200	33.05	-1.64	1.21	0.11	1.28	0.000817	1.19	31.32	30	0.31
Interporto	Colatore Nord1	52	Tr500	38.65	-1.64	1.33	0.25	1.41	0.000817	1.25	34.91	30	0.31
Interporto	Colatore Nord1	53	Tr30	21.91	-1.6	1.01	-0.18	1.06	0.000511	0.99	25.32	25.72	0.25
Interporto	Colatore Nord1	53	Tr200	33.05	-1.6	1.33	0.14	1.39	0.000542	1.15	33.73	26.79	0.26
Interporto	Colatore Nord1	53	Tr500	38.65	-1.6	1.45	0.29	1.52	0.000574	1.23	37	27.19	0.27
Interporto	Colatore Nord1	54	Tr30	21.91	-1.56	1.11	-0.25	1.14	0.000343	0.85	30.68	29.58	0.2
Interporto	Colatore Nord1	54	Tr200	33.05	-1.56	1.44	0.1	1.48	0.000362	0.97	40.6	30.31	0.21
Interporto	Colatore Nord1	54	Tr500	38.65	-1.56	1.57	0.25	1.61	0.000379	1.04	44.51	30.31	0.22
Interporto	Colatore Nord1	55	Tr30	21.91	-1.48	1.19	-0.02	1.23	0.000369	0.88	30.2	29.07	0.21
Interporto	Colatore Nord1	55	Tr200	33.05	-1.48	1.53	0.33	1.57	0.000381	1.01	40.09	30	0.22
Interporto	Colatore Nord1	55	Tr500	38.65	-1.48	1.66	0.49	1.71	0.000395	1.07	44.08	30	0.23
Interporto	Colatore Nord1	56	Tr30	21.91	-1.33	1.31	0.32	1.34	0.000453	0.83	30.3	30	0.23
Interporto	Colatore Nord1	56	Tr200	33.05	-1.33	1.64	0.66	1.68	0.000431	0.94	40.3	30	0.23
Interporto	Colatore Nord1	56	Tr500	38.65	-1.33	1.78	0.78	1.82	0.000437	0.99	44.38	30	0.23
Interporto	Colatore Nord1	57	Tr30	21.91	-1.4	1.36	-0.08	1.38	0.00024	0.69	36.43	30	0.17
Interporto	Colatore Nord1	57	Tr200	33.05	-1.4	1.69	0.26	1.72	0.000261	0.81	46.46	30	0.18
Interporto	Colatore Nord1	57	Tr500	38.65	-1.4	1.83	0.42	1.86	0.000274	0.87	50.58	30	0.19
Interporto	Colatore Nord1	58	Tr30	21.91	-1.34	1.39	-0.11	1.41	0.000224	0.68	36.43	30	0.17
Interporto	Colatore Nord1	58	Tr200	33.05	-1.34	1.72	0.24	1.75	0.000248	0.81	46.54	30	0.18
Interporto	Colatore Nord1	58	Tr500	38.65	-1.34	1.86	0.42	1.9	0.000261	0.87	50.71	30	0.19
Interporto	Colatore Nord1	59	Tr30	21.91	-1.27	1.41	-0.08	1.43	0.000219	0.73	35.73	30	0.17
Interporto	Colatore Nord1	59	Tr200	33.05	-1.27	1.75	0.22	1.78	0.000246	0.86	45.92	30	0.18
Interporto	Colatore Nord1	59	Tr500	38.65	-1.27	1.89	0.35	1.92	0.00026	0.92	50.14	30	0.19
Interporto	Colatore Sud	1	Tr30	13.08	-1.94	-0.09	-0.44	0.14	0.005006	2.11	6.2	5.67	0.64
Interporto	Colatore Sud	1	Tr200	19.6	-1.94	0.27	-0.12	0.55	0.005009	2.35	8.36	6.5	0.66
Interporto	Colatore Sud	1	Tr500	22.86	-1.94	0.42	0.02	0.72	0.005005	2.44	9.36	6.84	0.67
Interporto	Colatore Sud	2	Tr30	13.08	-1.85	0.32	-0.64	0.42	0.001743	1.38	9.51	7.41	0.39
Interporto	Colatore Sud	2	Tr200	19.6	-1.85	0.71	-0.3	0.83	0.001813	1.56	12.6	8.47	0.41
Interporto	Colatore Sud	2	Tr500	22.86	-1.85	0.88	-0.15	1.02	0.001905	1.62	14.14	9.46	0.42
Interporto	Colatore Sud	2.8	Tr30	13.08	-1.81	0.42	-1.07	0.44	0.000233	0.67	19.49	10.38	0.16
Interporto	Colatore Sud	2.8	Tr200	19.6	-1.81	0.83	-0.88	0.87	0.000293	0.82	23.85	10.87	0.18
Interporto	Colatore Sud	2.8	Tr500	22.86	-1.81	1.01	-0.79	1.05	0.00032	0.88	25.84	11.16	0.19
Interporto	Colatore Sud	2.9		Culvert									
Interporto	Colatore Sud	3	Tr30	13.08	-1.81	0.43	-1.07	0.45	0.000229	0.67	19.6	10.39	0.16
Interporto	Colatore Sud	3	Tr200	19.6	-1.81	0.85	-0.88	0.88	0.000287	0.82	24.04	10.89	0.18
Interporto	Colatore Sud	3	Tr500	22.86	-1.81	1.04	-0.79	1.07	0.000311	0.88	26.1	11.21	0.18

Interporto	Colatore Sud	4	Tr30	13.08	-1.74	0.46	-0.99	0.48	0.000248	0.64	20.46	13.5	0.17
Interporto	Colatore Sud	4	Tr200	19.6	-1.74	0.88	-0.75	0.91	0.000269	0.74	26.43	14.61	0.18
Interporto	Colatore Sud	4	Tr500	22.86	-1.74	1.08	-0.61	1.11	0.000295	0.78	29.36	16.23	0.18
Interporto	Colatore Sud	4.5		Culvert									
Interporto	Colatore Sud	5	Tr30	13.08	-1.69	1.76	-0.45	1.76	0.000083	0.4	34.6	24.52	0.1
Interporto	Colatore Sud	5	Tr200	19.6	-1.69	2.18	-0.15	2.19	0.000082	0.46	44.91	24.52	0.1
Interporto	Colatore Sud	5	Tr500	22.86	-1.69	2.29	-0.03	2.31	0.000092	0.51	47.79	24.52	0.11
Interporto	Colatore Sud	15	Tr30	13.08	-1.67	1.76	-0.3	1.77	0.000099	0.43	34.29	30	0.11
Interporto	Colatore Sud	15	Tr200	19.6	-1.67	2.18	-0.02	2.19	0.00009	0.48	46.92	30	0.11
Interporto	Colatore Sud	15	Tr500	22.86	-1.67	2.3	0.11	2.31	0.000098	0.52	50.48	30	0.11
Interporto	Colatore Sud	16	Tr30	10.86	-1.69	1.77	-0.56	1.78	0.000061	0.36	35.41	30	0.08
Interporto	Colatore Sud	16	Tr200	16.23	-1.69	2.2	-0.21	2.2	0.000057	0.4	48.03	30	0.08
Interporto	Colatore Sud	16	Tr500	18.91	-1.69	2.32	-0.07	2.32	0.000063	0.43	51.64	30	0.09
Interporto	Colatore Sud	17	Tr30	3.83	-1.65	1.79	-0.86	1.79	0.000008	0.13	34.17	26.72	0.03
Interporto	Colatore Sud	17	Tr200	5.79	-1.65	2.21	-0.63	2.21	0.000008	0.15	45.43	26.72	0.03
Interporto	Colatore Sud	17	Tr500	6.77	-1.65	2.33	-0.53	2.33	0.000009	0.16	48.68	26.72	0.03
Interporto	Colatore Sud	18	Tr30	3.83	-1.58	1.79	-0.99	1.79	0.000011	0.14	29.95	27.36	0.04
Interporto	Colatore Sud	18	Tr200	5.79	-1.58	2.21	-0.83	2.21	0.00001	0.15	41.66	28.29	0.03
Interporto	Colatore Sud	18	Tr500	6.77	-1.58	2.33	-0.76	2.33	0.000011	0.17	45.13	28.57	0.04
Interporto	Colatore Sud	19	Tr30	3.83	-1.47	1.79	-0.91	1.79	0.000006	0.11	38.25	30	0.03
Interporto	Colatore Sud	19	Tr200	5.79	-1.47	2.21	-0.78	2.21	0.000006	0.13	50.88	30	0.03
Interporto	Colatore Sud	19	Tr500	6.77	-1.47	2.33	-0.72	2.33	0.000006	0.14	54.55	30	0.03
Interporto	Colatore Sud	20	Tr30	3.83	-1.35	1.79	-0.55	1.79	0.000009	0.13	34.79	33.7	0.03
Interporto	Colatore Sud	20	Tr200	5.79	-1.35	2.21	-0.4	2.21	0.000008	0.14	48.98	33.7	0.03
Interporto	Colatore Sud	20	Tr500	6.77	-1.35	2.33	-0.33	2.34	0.000008	0.15	53.1	33.7	0.03
Interporto	Colatore Sud	21	Tr30	3.83	-1.16	1.79	-0.55	1.79	0.00001	0.13	30.47	22.88	0.03
Interporto	Colatore Sud	21	Tr200	5.79	-1.16	2.21	-0.37	2.21	0.00001	0.16	40.1	22.88	0.04
Interporto	Colatore Sud	21	Tr500	6.77	-1.16	2.34	-0.3	2.34	0.000011	0.17	42.9	22.88	0.04
Interporto	Colatore Sud	21.5	Tr30	3.83	-1.09	1.79	-0.62	1.79	0.000008	0.13	33.47	30	0.03
Interporto	Colatore Sud	21.5	Tr200	5.79	-1.09	2.21	-0.49	2.22	0.000008	0.15	46.09	30	0.03
Interporto	Colatore Sud	21.5	Tr500	6.77	-1.09	2.34	-0.43	2.34	0.000009	0.16	49.77	30	0.03
Interporto	Colatore Sud	21.8		Culvert									
Interporto	Colatore Sud	22	Tr30	3.83	-1.09	1.8	-0.62	1.8	0.000008	0.13	33.54	30	0.03
Interporto	Colatore Sud	22	Tr200	5.79	-1.09	2.22	-0.49	2.22	0.000008	0.15	46.16	30	0.03
Interporto	Colatore Sud	22	Tr500	6.77	-1.09	2.34	-0.43	2.34	0.000008	0.16	49.82	30	0.03
Interporto	Colatore Sud	23	Tr30	1.95	-0.94	1.8	-0.34	1.8	0.000003	0.08	29.37	30	0.02
Interporto	Colatore Sud	23	Tr200	2.97	-0.94	2.22	-0.22	2.22	0.000003	0.08	41.99	30	0.02
Interporto	Colatore Sud	23	Tr500	3.49	-0.94	2.34	-0.17	2.34	0.000003	0.09	45.66	30	0.02
Interporto	Colatore Sud	24	Tr30	1.95	-0.95	1.8	-0.36	1.8	0.000003	0.07	31.91	30	0.02
Interporto	Colatore Sud	24	Tr200	2.97	-0.95	2.22	-0.18	2.22	0.000003	0.08	44.53	30	0.02
Interporto	Colatore Sud	24	Tr500	3.49	-0.95	2.34	-0.11	2.34	0.000003	0.09	48.2	30	0.02
Interporto	Colatore Sud	25	Tr30	1.95	-0.72	1.8	-0.26	1.8	0.000003	0.07	32.98	30.11	0.02
Interporto	Colatore Sud	25	Tr200	2.97	-0.72	2.22	-0.13	2.22	0.000002	0.08	45.65	30.11	0.02
Interporto	Colatore Sud	25	Tr500	3.49	-0.72	2.34	-0.07	2.34	0.000003	0.08	49.33	30.11	0.02
Interporto	Colatore Sud	26	Tr30	1.95	-0.51	1.8	0.15	1.8	0.000004	0.07	31.84	33.24	0.02
Interporto	Colatore Sud	26	Tr200	2.97	-0.51	2.22	0.32	2.22	0.000003	0.07	45.82	33.24	0.02
Interporto	Colatore Sud	26	Tr500	3.49	-0.51	2.34	0.4	2.34	0.000003	0.08	49.89	33.24	0.02
Interporto	Colatore Sud	27	Tr30	1.95	-0.33	1.8	0.23	1.8	0.000007	0.09	25.78	30.25	0.03
Interporto	Colatore Sud	27	Tr200	2.97	-0.33	2.22	0.4	2.22	0.000004	0.09	38.5	30.25	0.02
Interporto	Colatore Sud	27	Tr500	3.49	-0.33	2.34	0.47	2.34	0.000004	0.1	42.19	30.25	0.02
Interporto	Colatore Sud	28	Tr30	1.95	-0.3	1.8	0.38	1.8	0.000007	0.09	24.95	30.02	0.03
Interporto	Colatore Sud	28	Tr200	2.97	-0.3	2.22	0.53	2.22	0.000005	0.09	37.56	30.02	0.02
Interporto	Colatore Sud	28	Tr500	3.49	-0.3	2.34	0.59	2.34	0.000005	0.1	41.23	30.02	0.02
Interporto	Colatore Sud	28.4	Tr30	1.95	-0.25	1.8	0.17	1.8	0.00002	0.18	12.81	11.45	0.05
Interporto	Colatore Sud	28.4	Tr200	2.97	-0.25	2.22	0.3	2.22	0.000019	0.2	17.61	11.45	0.04
Interporto	Colatore Sud	28.4	Tr500	3.49	-0.25	2.34	0.36	2.34	0.00002	0.22	19.01	11.45	0.05
Interporto	Colatore Sud	28.5		Culvert									
Interporto	Colatore Sud	28.6	Tr30	1.95	-0.25	1.8	0.17	1.8	0.00002	0.18	12.82	11.45	0.05
Interporto	Colatore Sud	28.6	Tr200	2.97	-0.25	2.22	0.3	2.22	0.000018	0.2	17.63	11.45	0.04
Interporto	Colatore Sud	28.6	Tr500	3.49	-0.25	2.34	0.36	2.35	0.00002	0.22	19.03	11.45	0.05
Interporto	Colatore Sud	29	Tr30	1.95	-0.15	1.8	0.42	1.8	0.000009	0.11	22.98	32.63	0.03
Interporto	Colatore Sud	29	Tr200	2.97	-0.15	2.22	0.55	2.22	0.000005	0.1	36.68	32.63	0.02
Interporto	Colatore Sud	29	Tr500	3.49	-0.15	2.35	0.61	2.35	0.000005	0.1	40.68	32.63	0.03



Interporto	Colatore Sud	29.4	Tr30	1.95	-0.08	1.8	0.42	1.81	0.000019	0.14	15	19.26	0.05
Interporto	Colatore Sud	29.4	Tr200	2.97	-0.08	2.22	0.52	2.23	0.000009	0.13	28.22	28.35	0.03
Interporto	Colatore Sud	29.4	Tr500	3.49	-0.08	2.35	0.56	2.35	0.000009	0.13	31.69	28.35	0.03
Interporto	Colatore Sud	29.5											
Interporto	Colatore Sud	29.6	Tr30	1.95	-0.08	1.81	0.42	1.81	0.000019	0.14	15.04	19.27	0.04
Interporto	Colatore Sud	29.6	Tr200	2.97	-0.08	2.23	0.52	2.23	0.000009	0.13	28.25	28.35	0.03
Interporto	Colatore Sud	29.6	Tr500	3.49	-0.08	2.35	0.56	2.35	0.000009	0.13	31.72	28.35	0.03
Interporto	Colatore Sud	30	Tr30	1.95	-0.08	1.81	0.42	1.81	0.000019	0.14	15.06	19.28	0.04
Interporto	Colatore Sud	30	Tr200	2.97	-0.08	2.23	0.52	2.23	0.000009	0.13	28.26	28.35	0.03
Interporto	Colatore Sud	30	Tr500	3.49	-0.08	2.35	0.56	2.35	0.000009	0.13	31.73	28.35	0.03
Interporto	Colatore Sud	31	Tr30	1.95	0.1	1.81	0.57	1.81	0.000048	0.18	12.25	30.52	0.07
Interporto	Colatore Sud	31	Tr200	2.97	0.1	2.23	0.67	2.23	0.000016	0.14	24.93	30.52	0.04
Interporto	Colatore Sud	31	Tr500	3.49	0.1	2.35	0.72	2.35	0.000014	0.14	28.67	30.52	0.04
Interporto	Colatore Sud	32	Tr30	1.95	0.28	1.82	0.68	1.82	0.000083	0.25	7.94	10.16	0.09
Interporto	Colatore Sud	32	Tr200	2.97	0.28	2.23	0.79	2.23	0.000026	0.18	20.3	30	0.05
Interporto	Colatore Sud	32	Tr500	3.49	0.28	2.35	0.84	2.35	0.000023	0.18	23.97	30	0.05
Interporto	Colatore Ovest	33	Tr30	2.2	-1.96	-1.51	-1.62	-1.45	0.005002	1.12	1.96	5.64	0.61
Interporto	Colatore Ovest	33	Tr200	3.36	-1.96	-1.41	-1.53	-1.32	0.005009	1.31	2.57	5.76	0.62
Interporto	Colatore Ovest	33	Tr500	3.94	-1.96	-1.36	-1.49	-1.26	0.005004	1.38	2.85	5.82	0.63
Interporto	Colatore Ovest	34	Tr30	2.2	-1.87	-1.23	-1.41	-1.16	0.003458	1.12	1.97	3.94	0.51
Interporto	Colatore Ovest	34	Tr200	3.36	-1.87	-1.1	-1.31	-1	0.004138	1.34	2.5	4.3	0.56
Interporto	Colatore Ovest	34	Tr500	3.94	-1.87	-1.04	-1.26	-0.94	0.004404	1.43	2.75	4.49	0.59
Interporto	Colatore Ovest	35	Tr30	2.2	-1.78	-1.03	-1.45	-1	0.001018	0.72	3.04	4.44	0.28
Interporto	Colatore Ovest	35	Tr200	3.36	-1.78	-0.83	-1.34	-0.8	0.001339	0.83	4.07	6.21	0.33
Interporto	Colatore Ovest	35	Tr500	3.94	-1.78	-0.76	-1.3	-0.72	0.001355	0.87	4.53	6.49	0.33
Interporto	Colatore Ovest	36	Tr30	2.2	-1.73	-0.93	-1.17	-0.87	0.003458	1.04	2.11	5.02	0.51
Interporto	Colatore Ovest	36	Tr200	3.36	-1.73	-0.72	-1.01	-0.67	0.002494	1.01	3.31	6.49	0.45
Interporto	Colatore Ovest	36	Tr500	3.94	-1.73	-0.64	-0.96	-0.59	0.002364	1.04	3.8	6.94	0.45
Interporto	Colatore Ovest	37	Tr30	2.2	-1.68	-0.75	-1.35	-0.74	0.000387	0.48	4.58	6.59	0.18
Interporto	Colatore Ovest	37	Tr200	3.36	-1.68	-0.55	-1.25	-0.53	0.000438	0.56	6	7.55	0.2
Interporto	Colatore Ovest	37	Tr500	3.94	-1.68	-0.47	-1.21	-0.45	0.000469	0.6	6.59	7.94	0.21
Interporto	Colatore Ovest	38	Tr30	2.2	-1.62	-0.71	-1.13	-0.69	0.00104	0.7	3.12	5.31	0.29
Interporto	Colatore Ovest	38	Tr200	3.36	-1.62	-0.51	-1.01	-0.48	0.001021	0.79	4.28	6.07	0.3
Interporto	Colatore Ovest	38	Tr500	3.94	-1.62	-0.43	-0.96	-0.39	0.001047	0.83	4.77	6.39	0.31
Interporto	Colatore Ovest	39	Tr30	2.2	-1.55	-0.55	-1.16	-0.54	0.000348	0.46	4.73	6.87	0.18
Interporto	Colatore Ovest	39	Tr200	3.36	-1.55	-0.34	-1.05	-0.33	0.000369	0.54	6.25	7.55	0.19
Interporto	Colatore Ovest	39	Tr500	3.94	-1.55	-0.25	-1	-0.24	0.000385	0.57	6.91	7.85	0.19
Interporto	Colatore Ovest	40	Tr30	2.2	-1.44	-0.47	-1.06	-0.46	0.000297	0.43	5.12	7.53	0.17
Interporto	Colatore Ovest	40	Tr200	3.36	-1.44	-0.26	-0.97	-0.25	0.000305	0.49	6.81	8.22	0.17
Interporto	Colatore Ovest	40	Tr500	3.94	-1.44	-0.17	-0.93	-0.16	0.000313	0.52	7.55	8.5	0.18
Interporto	Colatore Ovest	41	Tr30	2.2	-1.37	-0.4	-1	-0.39	0.000322	0.46	4.81	6.71	0.17
Interporto	Colatore Ovest	41	Tr200	3.36	-1.37	-0.19	-0.91	-0.17	0.000342	0.53	6.32	7.28	0.18
Interporto	Colatore Ovest	41	Tr500	3.94	-1.37	-0.1	-0.87	-0.08	0.000353	0.56	6.99	7.51	0.19
Interporto	Colatore Ovest	42	Tr30	2.2	-1.35	-0.35	-0.95	-0.34	0.000253	0.4	5.43	7.7	0.15
Interporto	Colatore Ovest	42	Tr200	3.36	-1.35	-0.13	-0.86	-0.12	0.000261	0.47	7.2	8.33	0.16
Interporto	Colatore Ovest	42	Tr500	3.94	-1.35	-0.04	-0.82	-0.03	0.000266	0.49	7.98	8.57	0.16
Interporto	Colatore Ovest	43	Tr30	2.2	-1.23	-0.31	-0.87	-0.29	0.000359	0.47	4.71	7	0.18
Interporto	Colatore Ovest	43	Tr200	3.36	-1.23	-0.09	-0.77	-0.07	0.000359	0.53	6.34	7.68	0.19
Interporto	Colatore Ovest	43	Tr500	3.94	-1.23	0.01	-0.73	0.02	0.000362	0.56	7.06	7.95	0.19
Interporto	Colatore Ovest	44	Tr30	2.2	-1.12	-0.24	-0.72	-0.23	0.000625	0.56	3.96	6.93	0.23
Interporto	Colatore Ovest	44	Tr200	3.36	-1.12	-0.03	-0.61	-0.01	0.000547	0.61	5.55	7.62	0.23
Interporto	Colatore Ovest	44	Tr500	3.94	-1.12	0.07	-0.57	0.09	0.000529	0.63	6.26	7.87	0.23
Interporto	Colatore Ovest	45	Tr30	2.2	-1.02	-0.22	-0.71	-0.21	0.000259	0.34	6.41	12.18	0.15
Interporto	Colatore Ovest	45	Tr200	3.36	-1.02	0	-0.63	0.01	0.000205	0.37	9.15	13.1	0.14
Interporto	Colatore Ovest	45	Tr500	3.94	-1.02	0.09	-0.59	0.1	0.000191	0.38	10.37	13.37	0.14
Interporto	Colatore Ovest	46	Tr30	2.2	-0.88	-0.22	-0.43	-0.16	0.003041	1.09	2.01	3.9	0.49
Interporto	Colatore Ovest	46	Tr200	3.36	-0.88	-0.02	-0.32	0.06	0.002618	1.19	2.83	4.14	0.46
Interporto	Colatore Ovest	46	Tr500	3.94	-0.88	0.07	-0.27	0.15	0.002535	1.23	3.19	4.24	0.45
Interporto	Colatore Ovest	47	Tr30	2.2	-0.84	-0.04	-0.42	-0.02	0.001142	0.7	3.15	6.01	0.31
Interporto	Colatore Ovest	47	Tr200	3.36	-0.84	0.16	-0.31	0.18	0.001052	0.76	4.43	7.02	0.31
Interporto	Colatore Ovest	47	Tr500	3.94	-0.84	0.24	-0.26	0.27	0.000999	0.78	5.05	7.38	0.3
Interporto	Colatore Ovest	48	Tr30	2.2	-0.77	0.02	-0.14	0.09	0.004706	1.15	1.92	4.94	0.59
Interporto	Colatore Ovest	48	Tr200	3.36	-0.77	0.21	-0.01	0.28	0.003373	1.15	2.93	5.89	0.52

Interporto	Colatore Ovest	48	Tr500	3.94	-0.77	0.29	0.04	0.36	0.002969	1.15	3.42	6.2	0.5
Interporto	Colatore Ovest	49	Tr30	2.2	-0.63	0.26	0.15	0.41	0.009874	1.68	1.31	2.75	0.78
Interporto	Colatore Ovest	49	Tr200	3.36	-0.63	0.37	0.34	0.59	0.013395	2.07	1.62	3.24	0.93
Interporto	Colatore Ovest	49	Tr500	3.94	-0.63	0.41	0.41	0.66	0.01482	2.23	1.77	3.42	0.99
Interporto	Colatore Ovest	50	Tr30	2.2	-0.47	0.59	0.07	0.62	0.00158	0.78	2.81	5.21	0.34
Interporto	Colatore Ovest	50	Tr200	3.36	-0.47	0.78	0.21	0.81	0.001514	0.86	3.91	6.14	0.34
Interporto	Colatore Ovest	50	Tr500	3.94	-0.47	0.85	0.27	0.89	0.001472	0.9	4.39	6.33	0.34
Interporto	Colatore Ovest	51	Tr30	2.2	-0.09	0.67	0.24	0.68	0.000497	0.51	4.34	7.22	0.21
Interporto	Colatore Ovest	51	Tr200	3.36	-0.09	0.86	0.32	0.88	0.000495	0.58	5.75	7.57	0.21
Interporto	Colatore Ovest	51	Tr500	3.94	-0.09	0.94	0.36	0.96	0.000504	0.62	6.36	7.71	0.22
Interporto	Colatore-Nord2	68.8	Tr30	9.73	-1.19	1.43	-0.07	1.43	0.000021	0.22	49.08	30.95	0.05
Interporto	Colatore-Nord2	68.8	Tr200	14.63	-1.19	1.78	0.06	1.78	0.000025	0.27	59.82	30.95	0.06
Interporto	Colatore-Nord2	68.8	Tr500	17.11	-1.19	1.92	0.11	1.93	0.000027	0.3	64.3	30.95	0.06
Interporto	Colatore-Nord2	68.85		Culvert									
Interporto	Colatore-Nord2	68.9	Tr30	9.73	-1.19	1.44	-0.07	1.44	0.000021	0.22	49.24	30.95	0.05
Interporto	Colatore-Nord2	68.9	Tr200	14.63	-1.19	1.79	0.06	1.79	0.000025	0.27	59.99	30.95	0.06
Interporto	Colatore-Nord2	68.9	Tr500	17.11	-1.19	1.93	0.11	1.93	0.000027	0.3	64.42	30.95	0.06
Interporto	Colatore-Nord2	69	Tr30	9.73	-1.19	1.44	-0.07	1.44	0.000021	0.22	49.26	30.95	0.05
Interporto	Colatore-Nord2	69	Tr200	14.63	-1.19	1.79	0.06	1.79	0.000025	0.27	60	30.95	0.06
Interporto	Colatore-Nord2	69	Tr500	17.11	-1.19	1.93	0.11	1.93	0.000027	0.3	64.44	30.95	0.06
Interporto	Colatore-Nord2	69.95		Culvert									
Interporto	Colatore-Nord2	70	Tr30	9.73	-1.13	1.45	0.06	1.46	0.000161	0.44	24.82	26.91	0.13
Interporto	Colatore-Nord2	70	Tr200	14.63	-1.13	1.79	0.37	1.8	0.000135	0.48	34.06	26.91	0.12
Interporto	Colatore-Nord2	70	Tr500	17.11	-1.13	1.93	0.55	1.95	0.000132	0.5	37.89	26.91	0.12
Interporto	Colatore-Nord2	70.1	Tr30	9.73	-1.13	1.45	0.06	1.46	0.00016	0.44	24.87	26.91	0.13
Interporto	Colatore-Nord2	70.1	Tr200	14.63	-1.13	1.79	0.37	1.8	0.000134	0.48	34.1	26.91	0.12
Interporto	Colatore-Nord2	70.1	Tr500	17.11	-1.13	1.94	0.55	1.95	0.000131	0.5	37.93	26.91	0.12
Interporto	Colatore-Nord2	71	Tr30	9.73	-1.23	1.46	0.04	1.46	0.000064	0.38	31.52	24.7	0.09
Interporto	Colatore-Nord2	71	Tr200	14.63	-1.23	1.8	0.32	1.81	0.00007	0.44	40.06	25.18	0.09
Interporto	Colatore-Nord2	71	Tr500	17.11	-1.23	1.94	0.52	1.95	0.000075	0.48	43.69	26.11	0.1
Interporto	Colatore-Nord2	72	Tr30	9.73	-0.93	1.46	-0.03	1.46	0.000023	0.23	47.29	32.43	0.06
Interporto	Colatore-Nord2	72	Tr200	14.63	-0.93	1.81	0.1	1.81	0.000027	0.28	58.44	32.43	0.06
Interporto	Colatore-Nord2	72	Tr500	17.11	-0.93	1.95	0.16	1.95	0.000029	0.3	63.07	32.43	0.06
Interporto	Colatore-Nord2	72.3		Culvert									
Interporto	Colatore-Nord2	72.5	Tr30	9.73	-0.85	1.46	0.36	1.47	0.00007	0.34	33.19	29.66	0.09
Interporto	Colatore-Nord2	72.5	Tr200	14.63	-0.85	1.8	0.65	1.81	0.000068	0.38	43.27	29.66	0.09
Interporto	Colatore-Nord2	72.5	Tr500	17.11	-0.85	1.95	0.7	1.96	0.000068	0.41	47.65	29.66	0.09
Interporto	Colatore-Nord2	73	Tr30	9.73	-0.82	1.47	0.36	1.47	0.000069	0.33	33.33	29.66	0.09
Interporto	Colatore-Nord2	73	Tr200	14.63	-0.82	1.81	0.66	1.82	0.000067	0.38	43.4	29.66	0.09
Interporto	Colatore-Nord2	73	Tr500	17.11	-0.82	1.96	0.7	1.96	0.000068	0.4	47.78	29.66	0.09
Interporto	Colatore-Nord2	74	Tr30	9.73	-0.84	1.48	0.31	1.48	0.000051	0.3	36.62	30	0.08
Interporto	Colatore-Nord2	74	Tr200	14.63	-0.84	1.82	0.47	1.82	0.000053	0.35	46.82	30	0.08
Interporto	Colatore-Nord2	74	Tr500	17.11	-0.84	1.96	0.53	1.97	0.000054	0.37	51.25	30	0.09
Interporto	Colatore-Nord2	75	Tr30	9.73	-0.65	1.49	0.57	1.49	0.000062	0.32	35.32	30	0.08
Interporto	Colatore-Nord2	75	Tr200	14.63	-0.65	1.83	0.64	1.83	0.000062	0.36	45.52	30	0.09
Interporto	Colatore-Nord2	75	Tr500	17.11	-0.65	1.98	0.67	1.98	0.000063	0.39	49.96	30	0.09
Interporto	Colatore_Nord	60	Tr30	18.19	-1.23	1.44	-0.36	1.46	0.000138	0.57	33.74	20.82	0.13
Interporto	Colatore_Nord	60	Tr200	27.48	-1.23	1.78	-0.11	1.81	0.000174	0.71	41.45	24	0.15
Interporto	Colatore_Nord	60	Tr500	32.16	-1.23	1.93	0.02	1.95	0.00019	0.77	45.06	26.8	0.16
Interporto	Colatore_Nord	60.4	Tr30	18.19	-1.11	1.42	0.2	1.47	0.00061	1.02	17.81	11.51	0.26
Interporto	Colatore_Nord	60.4	Tr200	27.48	-1.11	1.75	0.49	1.83	0.00083	1.26	21.86	13.07	0.31
Interporto	Colatore_Nord	60.4	Tr500	32.16	-1.11	1.89	0.62	1.98	0.000967	1.35	23.74	14.33	0.34
Interporto	Colatore_Nord	60.5		Culvert									
Interporto	Colatore_Nord	60.6	Tr30	18.19	-1.11	1.54	0.2	1.58	0.0005	0.95	19.23	11.99	0.24
Interporto	Colatore_Nord	60.6	Tr200	27.48	-1.11	2.04	0.49	2.1	0.000601	1.05	26.05	16.16	0.27
Interporto	Colatore_Nord	60.6	Tr500	32.16	-1.11	2.21	0.62	2.27	0.000608	1.11	29.23	20.94	0.27
Interporto	Colatore_Nord	61	Tr30	18.19	-1.11	1.56	0.2	1.6	0.000484	0.93	19.47	12.08	0.23
Interporto	Colatore_Nord	61	Tr200	27.48	-1.11	2.06	0.49	2.12	0.000581	1.04	26.44	16.62	0.26
Interporto	Colatore_Nord	61	Tr500	32.16	-1.11	2.23	0.62	2.29	0.000579	1.1	29.74	21.3	0.26
Interporto	Colatore_Nord	61.4	Tr30	18.19	-1.1	1.58	0.11	1.62	0.000414	0.88	20.79	12.56	0.22
Interporto	Colatore_Nord	61.4	Tr200	27.48	-1.1	2.08	0.39	2.13	0.00047	0.99	27.98	17.87	0.24
Interporto	Colatore_Nord	61.4	Tr500	32.16	-1.1	2.25	0.52	2.31	0.000464	1.04	33.07	30	0.24

Interporto	Colatore_Nord	61.5		Culvert									
Interporto	Colatore_Nord	61.6	Tr30	18.19	-1.1	1.71	0.11	1.74	0.000334	0.81	22.5	13.02	0.2
Interporto	Colatore_Nord	61.6	Tr200	27.48	-1.1	2.26	0.39	2.3	0.000333	0.88	33.31	30	0.2
Interporto	Colatore_Nord	61.6	Tr500	32.16	-1.1	2.41	0.52	2.45	0.000342	0.94	37.68	30	0.21
Interporto	Colatore_Nord	62	Tr30	18.19	-1.1	1.72	0.11	1.75	0.00033	0.81	22.59	13.05	0.2
Interporto	Colatore_Nord	62	Tr200	27.48	-1.1	2.27	0.39	2.31	0.000328	0.88	33.54	30	0.2
Interporto	Colatore_Nord	62	Tr500	32.16	-1.1	2.42	0.52	2.46	0.000337	0.93	37.92	30	0.21
Interporto	Colatore_Nord	63	Tr30	18.19	-0.93	1.73	0.43	1.78	0.000563	1	18.14	10.96	0.25
Interporto	Colatore_Nord	63	Tr200	27.48	-0.93	2.28	0.71	2.34	0.000515	1.04	29.06	27.3	0.25
Interporto	Colatore_Nord	63	Tr500	32.16	-0.93	2.43	0.84	2.49	0.000513	1.09	33.08	27.64	0.25
Interporto	Colatore_Nord	64	Tr30	8.46	-0.74	1.81	0.31	1.82	0.000307	0.6	15.74	19.1	0.17
Interporto	Colatore_Nord	64	Tr200	12.85	-0.74	2.36	0.56	2.36	0.000113	0.45	33.67	28.91	0.11
Interporto	Colatore_Nord	64	Tr500	15.04	-0.74	2.51	0.68	2.51	0.000107	0.46	38.02	29.31	0.11
Interporto	Colatore_Nord	65	Tr30	8.46	-0.68	1.83	0.38	1.84	0.000184	0.52	17.7	17.79	0.14
Interporto	Colatore_Nord	65	Tr200	12.85	-0.68	2.37	0.6	2.37	0.000082	0.42	36.93	29.57	0.1
Interporto	Colatore_Nord	65	Tr500	15.04	-0.68	2.51	0.7	2.52	0.00008	0.44	41.37	29.99	0.1
Interporto	Colatore_Nord	66	Tr30	8.46	-0.53	1.85	0.48	1.86	0.000174	0.48	19.37	19.51	0.14
Interporto	Colatore_Nord	66	Tr200	12.85	-0.53	2.37	0.7	2.38	0.000083	0.4	37.3	30	0.1
Interporto	Colatore_Nord	66	Tr500	15.04	-0.53	2.52	0.8	2.53	0.00008	0.42	41.77	30	0.1
Interporto	Colatore_Nord	66.8	Tr30	8.46	-0.48	1.86	0.36	1.87	0.000139	0.46	21.11	25.77	0.12
Interporto	Colatore_Nord	66.8	Tr200	12.85	-0.48	2.38	0.56	2.39	0.000083	0.44	34.41	25.77	0.1
Interporto	Colatore_Nord	66.8	Tr500	15.04	-0.48	2.53	0.65	2.54	0.000083	0.46	38.24	25.77	0.1
Interporto	Colatore_Nord	66.9		Culvert									
Interporto	Colatore_Nord	67	Tr30	8.46	-0.48	1.87	0.36	1.88	0.000135	0.45	21.35	25.77	0.12
Interporto	Colatore_Nord	67	Tr200	12.85	-0.48	2.38	0.56	2.39	0.000082	0.44	34.53	25.77	0.1
Interporto	Colatore_Nord	67	Tr500	15.04	-0.48	2.54	0.65	2.54	0.000082	0.46	38.42	25.77	0.1
Interporto	Colatore_Nord	68	Tr30	8.46	-0.34	1.89	0.61	1.9	0.00015	0.45	23.27	30	0.13
Interporto	Colatore_Nord	68	Tr200	12.85	-0.34	2.4	0.87	2.4	0.000077	0.4	38.41	30	0.1
Interporto	Colatore_Nord	68	Tr500	15.04	-0.34	2.55	0.95	2.55	0.000075	0.42	42.94	30	0.1
Isola	Isola2	0	Tr30	101.73	0.35	5.78	1.88	5.79	0.000011	0.3	364.09	81.51	0.04
Isola	Isola2	0	Tr200	168.36	0.35	5.78	2.1	5.79	0.000029	0.5	363.48	81.51	0.07
Isola	Isola2	0	Tr500	202.7	0.35	5.77	2.2	5.79	0.000043	0.6	363.04	81.51	0.09
Isola	Isola2	1	Tr30	101.73	0.8	5.78	2.41	5.79	0.00003	0.49	233.73	57.06	0.07
Isola	Isola2	1	Tr200	168.36	0.8	5.77	2.69	5.79	0.000084	0.81	232.93	57.06	0.12
Isola	Isola2	1	Tr500	202.7	0.8	5.76	2.82	5.8	0.000122	0.98	232.36	57.06	0.15
Isola	Isola2	2	Tr30	101.73	0.75	5.75	3.14	5.8	0.000465	1.02	104.46	60.51	0.23
Isola	Isola2	2	Tr200	168.36	0.75	5.69	4.85	5.84	0.001446	1.76	100.35	60.51	0.41
Isola	Isola2	2	Tr500	202.7	0.75	5.63	5.04	5.86	0.002339	2.2	96.91	60.51	0.52
Isola	Isola2	2.1	Tr30	101.73	3.49	5.82	5.82	6.63	0.008228	3.99	25.48	15.68	1
Isola	Isola2	2.1	Tr200	168.36	3.49	6.53	6.53	7.55	0.007721	4.47	37.69	18.54	1
Isola	Isola2	2.1	Tr500	202.7	3.49	6.84	6.84	7.94	0.007549	4.65	43.58	19.79	1
Isola	Isola2	2.2		Bridge									
Isola	Isola2	2.3	Tr30	101.73	3.8	8.61	6.13	8.67	0.00039	1.11	91.74	39.89	0.23
Isola	Isola2	2.3	Tr200	168.36	3.8	9.25	6.84	9.35	0.000549	1.42	118.58	46.08	0.28
Isola	Isola2	2.3	Tr500	202.7	3.8	9.42	7.15	9.54	0.000655	1.56	134.13	59.93	0.31
Isola	Isola2	3	Tr30	101.73	3.8	8.61	6.13	8.67	0.000389	1.11	91.84	39.91	0.23
Isola	Isola2	3	Tr200	168.36	3.8	9.25	6.84	9.35	0.000548	1.42	118.75	46.16	0.28
Isola	Isola2	3	Tr500	202.7	3.8	9.42	7.15	9.55	0.000651	1.56	134.41	59.94	0.31
Isola	Isola2	4	Tr30	101.73	4.56	8.56	7.76	8.73	0.001567	1.85	55.12	31.3	0.44
Isola	Isola2	4	Tr200	168.36	4.56	9.18	8.21	9.44	0.001673	2.24	75.16	33.31	0.48
Isola	Isola2	4	Tr500	202.7	4.56	9.33	8.41	9.65	0.00201	2.53	80.02	33.78	0.53
Isola	Isola2	5	Tr30	101.73	4.57	8.67	8.28	9.14	0.004543	3.04	33.46	18.65	0.72
Isola	Isola2	5	Tr200	168.36	4.57	9.48	8.93	9.52	0.000236	0.83	183.72	61.44	0.17
Isola	Isola2	5	Tr500	202.7	4.57	9.7	9.22	9.75	0.000272	0.95	197.35	61.44	0.19
Isola	Isola2	6	Tr30	101.73	5.01	9.25	8.45	9.5	0.002154	2.21	45.95	24.31	0.51
Isola	Isola2	6	Tr200	168.36	5.01	9.51	9.03	9.55	0.000175	0.68	209.65	69.67	0.15
Isola	Isola2	6	Tr500	202.7	5.01	9.74	9.33	9.78	0.000201	0.78	225.55	69.67	0.16
Isola	Isola2	7	Tr30	101.73	5.44	9.55	8.34	9.74	0.001254	1.93	52.57	22.76	0.41
Isola	Isola2	7	Tr200	168.36	5.44	8.99	8.94	9.88	0.007436	4.17	40.34	21.12	0.96
Isola	Isola2	7	Tr500	202.7	5.44	9.78	9.21	9.8	0.000093	0.56	294.56	80.77	0.11
Isola	Isola2	8	Tr30	101.73	5.69	9.76	8.36	9.76	0.000017	0.24	333.95	86.51	0.05
Isola	Isola2	8	Tr200	168.36	5.69	9.96	8.95	9.97	0.00004	0.39	351.66	86.51	0.08

Isola	Isola2	8	Tr500	202.7	5.69	9.79	9.21	9.81	0.000066	0.48	336.71	86.51	0.1
Isola	Isola2	9	Tr30	101.73	6.11	9.76	8.51	9.76	0.000019	0.25	320.63	84.75	0.05
Isola	Isola2	9	Tr200	168.36	6.11	9.96	9.1	9.98	0.000045	0.4	338.16	84.75	0.08
Isola	Isola2	9	Tr500	202.7	6.11	9.79	9.36	9.81	0.000074	0.49	323.73	84.75	0.1
Isola	Isola2	10	Tr30	101.73	6.13	9.76	8.53	9.76	0.000023	0.27	301.41	83.19	0.06
Isola	Isola2	10	Tr200	168.36	6.13	9.97	9.09	9.98	0.000053	0.43	318.75	83.19	0.09
Isola	Isola2	10	Tr500	202.7	6.13	9.8	9.34	9.82	0.000089	0.53	304.73	83.19	0.11
Isola	Isola2	11	Tr30	101.73	6.15	9.76	8.87	9.77	0.000076	0.45	174.01	53.66	0.1
Isola	Isola2	11	Tr200	168.36	6.15	9.98	9.5	9.99	0.000045	0.37	342.47	87.58	0.08
Isola	Isola2	11	Tr500	202.7	6.15	9.79	9.66	9.86	0.000292	0.89	175.76	53.71	0.19
Isola	Isola2	12	Tr30	101.73	6.18	9.77	8.95	9.78	0.000019	0.22	320.02	86.83	0.05
Isola	Isola2	12	Tr200	168.36	6.18	9.98	9.52	9.99	0.000045	0.36	338.02	86.83	0.08
Isola	Isola2	12	Tr500	202.7	6.18	9.86	9.52	9.88	0.000072	0.44	327.25	86.83	0.1
Isola	Isola2	13	Tr30	101.73	6.37	9.41	9.2	9.95	0.005884	3.24	31.44	20.08	0.83
Isola	Isola2	13	Tr200	168.36	6.37	9.98	9.8	10	0.000083	0.45	268.96	77.32	0.1
Isola	Isola2	13	Tr500	202.7	6.37	9.88	9.88	9.94	0.000234	0.73	190.95	57.64	0.17
Isola	Isola2	14	Tr30	101.73	6.17	10.08	9.27	10.11	0.000115	0.54	144.81	45.57	0.12
Isola	Isola2	14	Tr200	168.36	6.17	9.86	9.86	10.8	0.008197	4.28	39.34	21.12	1
Isola	Isola2	14	Tr500	202.7	6.17	10.06	10.06	10.17	0.000466	1.07	143.96	45.55	0.24
Isola	Isola2	15	Tr30	101.73	6.5	10.09	9.51	10.12	0.000123	0.53	142.23	47.15	0.12
Isola	Isola2	15	Tr200	168.36	6.5	10.89	10.07	10.9	0.000042	0.39	343.78	84.31	0.08
Isola	Isola2	15	Tr500	202.7	6.5	10.11	10.07	10.22	0.00048	1.04	143.2	47.18	0.24
Isola	Isola2	16	Tr30	101.73	6.81	10.12	9.48	10.13	0.000019	0.21	311.07	81.32	0.05
Isola	Isola2	16	Tr200	168.36	6.81	10.9	9.59	10.91	0.00003	0.33	374.28	81.32	0.06
Isola	Isola2	16	Tr500	202.7	6.81	10.23	9.59	10.25	0.000069	0.41	319.86	81.32	0.09
Isola	Isola2	17	Tr30	101.73	7	10.12	9.64	10.13	0.000048	0.3	197.59	57.76	0.08
Isola	Isola2	17	Tr200	168.36	7	10.9	9.87	10.91	0.000037	0.35	347.37	82.03	0.07
Isola	Isola2	17	Tr500	202.7	7	10.22	9.87	10.27	0.000177	0.6	203.32	57.91	0.15
Isola	Isola2	18	Tr30	101.73	6.84	9.93	9.93	10.64	0.008967	3.73	27.24	19.16	1
Isola	Isola2	18	Tr200	168.36	6.84	10.9	10.36	10.92	0.000043	0.35	339.05	83.55	0.07
Isola	Isola2	18	Tr500	202.7	6.84	10.36	10.36	10.44	0.000287	0.76	170.85	51.2	0.18
Isola	Isola2	19	Tr30	101.73	7.2	10.71	9.77	10.71	0.000014	0.2	355.54	90.78	0.04
Isola	Isola2	19	Tr200	168.36	7.2	10.91	9.98	10.92	0.000033	0.33	373.84	90.78	0.07
Isola	Isola2	19	Tr500	202.7	7.2	10.44	9.98	10.46	0.00007	0.41	330.87	90.78	0.09
Isola	Isola2	20	Tr30	101.73	7.29	10.71	9.96	10.72	0.000019	0.22	317.33	85.95	0.05
Isola	Isola2	20	Tr200	168.36	7.29	10.91	10.41	10.93	0.000045	0.36	334.81	85.95	0.08
Isola	Isola2	20	Tr500	202.7	7.29	10.44	10.41	10.47	0.000097	0.45	294.43	85.95	0.11
Isola	Isola2	21	Tr30	101.73	7.43	10.71	10.2	10.72	0.000042	0.31	234.7	69.24	0.07
Isola	Isola2	21	Tr200	168.36	7.43	10.91	10.4	10.94	0.000097	0.51	248.71	69.24	0.11
Isola	Isola2	21	Tr500	202.7	7.43	10.44	10.4	10.49	0.000216	0.64	216.17	69.24	0.16
Isola	Isola2	22	Tr30	101.73	7.77	10.72	10.38	10.72	0.000031	0.26	260.49	72.86	0.06
Isola	Isola2	22	Tr200	168.36	7.77	10.92	10.45	10.94	0.000071	0.42	275.73	72.86	0.09
Isola	Isola2	22	Tr500	202.7	7.77	10.45	10.45	10.55	0.000429	0.88	147.18	48.56	0.22
Isola	Isola2	23	Tr30	101.73	7.69	10.72	10.46	10.73	0.000039	0.24	236.9	72.29	0.07
Isola	Isola2	23	Tr200	168.36	7.69	10.93	10.46	10.95	0.000089	0.4	252.18	72.29	0.1
Isola	Isola2	23	Tr500	202.7	7.69	10.48	10.46	10.6	0.000535	0.93	134.46	45.88	0.24
Isola	Isola2	24	Tr30	101.73	7.63	10.71	10.7	10.73	0.000082	0.38	165.97	53.5	0.1
Isola	Isola2	24	Tr200	168.36	7.63	10.92	10.7	10.97	0.000185	0.62	177.03	53.76	0.15
Isola	Isola2	24	Tr500	202.7	7.63	10.7	10.7	10.78	0.000298	0.73	165.23	50.03	0.18
Isola	Isola2	25	Tr30	101.73	7.65	10.64	10.64	11.34	0.008929	3.69	27.59	19.86	1
Isola	Isola2	25	Tr200	168.36	7.65	11.22	11.22	12.14	0.008268	4.25	39.57	21.5	1
Isola	Isola2	25	Tr500	202.7	7.65	11.31	11.31	11.38	0.000283	0.75	176.74	56.22	0.18
Isola	Isola2	26	Tr30	101.73	8.11	11.3	10.91	11.76	0.004395	3.02	33.7	18.87	0.72
Isola	Isola2	26	Tr200	168.36	8.11	12.23	11.6	12.25	0.000044	0.39	338.54	85.21	0.08
Isola	Isola2	26	Tr500	202.7	8.11	11.6	11.6	11.69	0.000404	0.99	160.47	54.94	0.22
Isola	Isola2	27	Tr30	101.73	8.37	11.81	11.12	11.82	0.000038	0.31	250.81	77.87	0.07
Isola	Isola2	27	Tr200	168.36	8.37	12.23	11.65	12.25	0.000071	0.48	283.79	77.87	0.1
Isola	Isola2	27	Tr500	202.7	8.37	11.65	11.65	11.77	0.000683	1.25	134.25	52.07	0.29
Isola	Isola2	28	Tr30	101.73	8.61	11.8	11.39	11.83	0.000189	0.63	131.1	53.42	0.15
Isola	Isola2	28	Tr200	168.36	8.61	12.24	11.73	12.26	0.000061	0.41	307.42	88.93	0.09
Isola	Isola2	28	Tr500	202.7	8.61	11.73	11.73	11.86	0.000824	1.29	127.24	53.33	0.31
Isola	Isola2	29	Tr30	101.73	8.31	11.59	11.59	12.36	0.009064	3.88	26.25	17.18	1
Isola	Isola2	29	Tr200	168.36	8.31	12.22	11.9	12.29	0.000313	0.87	152.55	52.71	0.19
Isola	Isola2	29	Tr500	202.7	8.31	11.9	11.9	12.02	0.000655	1.14	135.58	52.45	0.27

Isola	Isola2	30	Tr30	101.73	9.01	12.43	11.77	12.44	0.000023	0.24	306.23	92.45	0.05
Isola	Isola2	30	Tr200	168.36	9.01	12.33	12.33	12.39	0.000277	0.79	163.3	59.21	0.18
Isola	Isola2	30	Tr500	202.7	9.01	12.33	12.33	12.41	0.000402	0.96	163.3	59.21	0.22
Isola	Isola	31	Tr30	82.18	9.1	12.17	11.83	12.56	0.004383	2.76	29.73	19.32	0.71
Isola	Isola	31	Tr200	135.69	9.1	12.36	12.36	13.2	0.008407	4.06	33.46	19.88	1
Isola	Isola	31	Tr500	162.5	9.1	12.59	12.59	13.52	0.008208	4.26	38.11	20.56	1
Isola	Isola	32	Tr30	82.18	9.36	12.57	12.06	12.91	0.003323	2.59	31.73	18.33	0.63
Isola	Isola	32	Tr200	135.69	9.36	13.29	12.66	13.31	0.000084	0.51	224.13	68.74	0.11
Isola	Isola	32	Tr500	162.5	9.36	13.61	12.66	13.63	0.000089	0.58	246.46	68.74	0.11
Isola	Isola	32.1	Tr30	82.18	9.67	13.12	12.34	13.23	0.001383	1.55	57.6	45.22	0.41
Isola	Isola	32.1	Tr200	135.69	9.67	13.13	12.88	13.42	0.003612	2.52	58.41	45.29	0.66
Isola	Isola	32.1	Tr500	162.5	9.67	13.49	12.97	13.74	0.002437	2.32	74.72	46.51	0.55
Isola	Isola	32.2		Bridge									
Isola	Isola	32.3	Tr30	82.18	9.67	13.3	12.34	13.38	0.000923	1.35	65.74	45.84	0.34
Isola	Isola	32.3	Tr200	135.69	9.67	13.64	12.88	13.78	0.001288	1.76	81.77	47.03	0.41
Isola	Isola	32.3	Tr500	162.5	9.67	13.83	12.97	14	0.001335	1.89	90.9	47.69	0.42
Isola	Isola	33	Tr30	82.18	9.67	13.3	12.34	13.38	0.000922	1.35	65.77	45.84	0.34
Isola	Isola	33	Tr200	135.69	9.67	13.64	12.88	13.79	0.001285	1.76	81.82	47.03	0.41
Isola	Isola	33	Tr500	162.5	9.67	13.83	12.97	14	0.001333	1.89	90.95	47.69	0.42
Isola	Isola	33.1	Tr30	82.18	9.69	13.38	12.28	13.39	0.000084	0.48	167.99	72.91	0.1
Isola	Isola	33.1	Tr200	135.69	9.69	13.79	12.82	13.81	0.000136	0.69	197.49	72.91	0.14
Isola	Isola	33.1	Tr500	162.5	9.69	14	13.13	14.03	0.000152	0.77	212.96	72.91	0.15
Isola	Isola	33.2		Bridge									
Isola	Isola	33.3	Tr30	82.18	9.69	13.39	12.28	13.4	0.000084	0.48	168.27	72.91	0.1
Isola	Isola	33.3	Tr200	135.69	9.69	13.79	12.82	13.82	0.000135	0.69	197.94	72.91	0.14
Isola	Isola	33.3	Tr500	162.5	9.69	14.01	13.13	14.04	0.000151	0.77	213.49	72.91	0.15
Isola	Isola	34	Tr30	82.18	9.69	13.39	12.28	13.4	0.000084	0.48	168.28	72.91	0.1
Isola	Isola	34	Tr200	135.69	9.69	13.79	12.82	13.82	0.000135	0.69	197.96	72.91	0.14
Isola	Isola	34	Tr500	162.5	9.69	14.01	13.13	14.04	0.000151	0.77	213.51	72.91	0.15
Isola	Isola	35	Tr30	82.18	9.9	13.39	12.59	13.41	0.000138	0.57	120.28	45.77	0.13
Isola	Isola	35	Tr200	135.69	9.9	13.8	13.14	13.83	0.000132	0.6	194.75	69.36	0.13
Isola	Isola	35	Tr500	162.5	9.9	14.02	13.26	14.05	0.00015	0.68	209.63	69.36	0.14
Isola	Isola	36	Tr30	82.18	9.81	13.41	12.66	13.43	0.000107	0.49	133.7	50.95	0.11
Isola	Isola	36	Tr200	135.69	9.81	13.81	13.28	13.85	0.000186	0.72	154.48	51.55	0.15
Isola	Isola	36	Tr500	162.5	9.81	14.04	13.28	14.07	0.000133	0.65	218.56	71.74	0.13
Isola	Isola	37	Tr30	82.18	9.8	13.07	12.88	13.62	0.006419	3.28	25.03	16.04	0.84
Isola	Isola	37	Tr200	135.69	9.8	13.84	13.57	13.87	0.000146	0.55	187.41	68.83	0.13
Isola	Isola	37	Tr500	162.5	9.8	14.05	13.57	14.08	0.000167	0.63	201.65	68.83	0.14
Isola	Isola	38	Tr30	82.18	10.33	13.7	13.08	13.75	0.00034	0.87	85.19	37.78	0.2
Isola	Isola	38	Tr200	135.69	10.33	13.85	13.52	13.88	0.000183	0.67	176.22	68.74	0.15
Isola	Isola	38	Tr500	162.5	10.33	14.06	13.52	14.1	0.000204	0.75	190.54	68.74	0.16
Isola	Isola	39	Tr30	82.18	10.26	13.41	13.28	14	0.007245	3.43	23.99	15.85	0.89
Isola	Isola	39	Tr200	135.69	10.26	13.95	13.95	14.8	0.008704	4.1	33.12	19.34	1
Isola	Isola	39	Tr500	162.5	10.26	14.02	14.02	14.17	0.000898	1.29	99.59	43.12	0.32
Lenze	Lenze	1	Tr30	7.84	3.01	6.45	4.28	6.46	0.000136	0.5	15.55	5.76	0.1
Lenze	Lenze	1	Tr200	11.98	3.01	6.96	4.49	6.98	0.000201	0.65	18.52	5.76	0.12
Lenze	Lenze	1	Tr500	14.03	3.01	7.33	4.59	7.36	0.000208	0.68	20.66	5.76	0.11
Lenze	Lenze	2	Tr30	7.84	3.23	6.46	4.36	6.48	0.000135	0.51	15.44	5.95	0.1
Lenze	Lenze	2	Tr200	11.98	3.23	6.98	4.58	7.01	0.000195	0.65	18.54	5.95	0.12
Lenze	Lenze	2	Tr500	14.03	3.23	7.36	4.67	7.38	0.0002	0.68	20.76	5.95	0.12
Lenze	Lenze	3	Tr30	7.84	3.28	6.48	4.55	6.49	0.000103	0.45	17.5	7.69	0.09
Lenze	Lenze	3	Tr200	11.98	3.28	7	4.76	7.02	0.000135	0.56	21.56	7.69	0.11
Lenze	Lenze	3	Tr500	14.03	3.28	7.38	4.85	7.39	0.000132	0.57	24.43	7.69	0.1
Lenze	Lenze	4	Tr30	7.84	3.35	6.49	4.49	6.51	0.000209	0.59	13.32	5.39	0.12
Lenze	Lenze	4	Tr200	11.98	3.35	7.02	4.74	7.05	0.000292	0.74	16.18	5.39	0.14
Lenze	Lenze	4	Tr500	14.03	3.35	7.39	4.85	7.42	0.000297	0.77	18.18	5.39	0.13
Lenze	Lenze	5	Tr30	7.84	3.55	6.51	4.36	6.52	0.000103	0.46	17.15	6.6	0.09
Lenze	Lenze	5	Tr200	11.98	3.55	7.05	4.55	7.07	0.000145	0.58	20.72	6.6	0.1
Lenze	Lenze	5	Tr500	14.03	3.55	7.43	4.64	7.45	0.000148	0.61	23.19	6.6	0.1
Lenze	Lenze	6	Tr30	7.84	3.6	6.53	4.71	6.55	0.000251	0.64	12.28	5.02	0.13
Lenze	Lenze	6	Tr200	11.98	3.6	7.07	4.91	7.11	0.000347	0.8	15.02	5.02	0.15
Lenze	Lenze	6	Tr500	14.03	3.6	7.45	5.01	7.48	0.000353	0.83	16.89	5.02	0.14



Lenze	Lenze	16.6	Tr30	4.73	6.16	7.87	6.99	7.9	0.000595	0.76	6.24	5.8	0.23
Lenze	Lenze	16.6	Tr200	7.24	6.16	8.5	7.18	8.52	0.000311	0.68	11.45	12.32	0.18
Lenze	Lenze	16.6	Tr500	8.48	6.16	8.86	7.26	8.88	0.000173	0.59	16.24	13.35	0.14
Lenze	Lenze	17	Tr30	4.73	6.64	8	7.47	8.06	0.001749	1.13	4.19	4.87	0.39
Lenze	Lenze	17	Tr200	7.24	6.64	8.56	7.67	8.61	0.000939	0.91	7.97	8.1	0.29
Lenze	Lenze	17	Tr500	8.48	6.64	8.9	7.76	8.93	0.000531	0.79	10.68	8.1	0.22
Lenze	Lenze	18	Tr30	4.73	7.05	8.31	7.96	8.39	0.002787	1.28	3.69	5.36	0.49
Lenze	Lenze	18	Tr200	7.24	7.05	8.73	8.16	8.8	0.001724	1.13	6.41	7.93	0.4
Lenze	Lenze	18	Tr500	8.48	7.05	8.99	8.24	9.04	0.001015	0.99	8.52	8.11	0.31
Marignano	Marignano3	1	Tr30	39.56	1.97	5.71	4.24	5.82	0.000853	1.44	27.53	11.43	0.3
Marignano	Marignano3	1	Tr200	60.51	1.97	6.63	4.72	6.76	0.000793	1.59	37.98	11.43	0.28
Marignano	Marignano3	1	Tr500	70.89	1.97	6.99	4.88	7.14	0.000812	1.68	42.17	11.43	0.28
Marignano	Marignano3	1.1		Bridge									
Marignano	Marignano3	1.2	Tr30	39.56	1.97	6.32	4.24	6.39	0.000444	1.15	34.53	11.43	0.21
Marignano	Marignano3	1.2	Tr200	60.51	1.97	6.76	4.72	6.88	0.000713	1.53	39.45	11.43	0.26
Marignano	Marignano3	1.2	Tr500	70.89	1.97	7.11	4.88	7.24	0.000746	1.63	43.47	11.43	0.27
Marignano	Marignano3	1.9	Tr30	39.56	1.94	6.35	4.14	6.41	0.000385	1.1	36.1	11.38	0.2
Marignano	Marignano3	1.9	Tr200	60.51	1.94	6.8	4.6	6.91	0.000621	1.47	41.2	11.38	0.25
Marignano	Marignano3	1.9	Tr500	70.89	1.94	7.16	4.76	7.28	0.000658	1.57	45.24	11.38	0.25
Marignano	Marignano2	2	Tr30	22.49	2.29	6.41	4.01	6.43	0.00012	0.6	37.51	13.07	0.11
Marignano	Marignano2	2	Tr200	34.44	2.29	6.9	4.38	6.93	0.000179	0.78	43.94	13.07	0.14
Marignano	Marignano2	2	Tr500	40.37	2.29	7.27	4.49	7.3	0.000183	0.83	48.75	13.07	0.14
Marignano	Marignano2	3	Tr30	22.49	2.29	6.41	4.28	6.43	0.000143	0.63	35.68	13.29	0.12
Marignano	Marignano2	3	Tr200	34.44	2.29	6.91	4.6	6.94	0.000205	0.81	42.27	13.29	0.15
Marignano	Marignano2	3	Tr500	40.37	2.29	7.28	4.71	7.31	0.000206	0.86	47.16	13.29	0.15
Marignano	Marignano2	4	Tr30	22.49	2.36	6.42	4.18	6.45	0.00022	0.77	29.29	9.89	0.14
Marignano	Marignano2	4	Tr200	34.44	2.36	6.92	4.5	6.97	0.000335	1.01	34.2	9.89	0.17
Marignano	Marignano2	4	Tr500	40.37	2.36	7.28	4.64	7.34	0.000349	1.07	37.82	9.89	0.17
Marignano	Marignano2	5	Tr30	22.49	2.25	6.44	4.29	6.46	0.000166	0.66	34.03	13.02	0.13
Marignano	Marignano2	5	Tr200	34.44	2.25	6.95	4.67	6.98	0.000231	0.85	40.65	13.02	0.15
Marignano	Marignano2	5	Tr500	40.37	2.25	7.32	4.79	7.36	0.00023	0.89	45.46	13.02	0.15
Marignano	MarignanoValle	6	Tr30	25.32	2.2	6.46	4.22	6.47	0.000077	0.54	58.27	30	0.1
Marignano	MarignanoValle	6	Tr200	38.45	2.2	6.98	4.65	7	0.000086	0.63	73.9	30	0.11
Marignano	MarignanoValle	6	Tr500	44.96	2.2	7.35	5.16	7.37	0.000076	0.64	85.08	30	0.1
Marignano	MarignanoValle	6.3	Tr30	25.32	2.75	6.46	4.65	6.47	0.000091	0.52	55.89	30	0.11
Marignano	MarignanoValle	6.3	Tr200	38.45	2.75	6.98	5.19	7	0.000096	0.62	71.53	30	0.12
Marignano	MarignanoValle	6.3	Tr500	44.96	2.75	7.36	5.26	7.37	0.000084	0.62	82.69	30	0.11
Marignano	MarignanoValle	6.4		Bridge									
Marignano	MarignanoValle	6.5	Tr30	25.32	2.75	6.47	4.65	6.48	0.00009	0.52	56.08	30	0.11
Marignano	MarignanoValle	6.5	Tr200	38.45	2.75	6.99	5.19	7.01	0.000096	0.61	71.71	30	0.12
Marignano	MarignanoValle	6.5	Tr500	44.96	2.75	7.36	5.26	7.38	0.000083	0.62	82.83	30	0.11
Marignano	MarignanoValle	7	Tr30	25.32	2.82	6.48	4.74	6.5	0.000132	0.6	47.43	30	0.13
Marignano	MarignanoValle	7	Tr200	38.45	2.82	7	5.02	7.02	0.00013	0.69	63.07	30	0.13
Marignano	MarignanoValle	7	Tr500	44.96	2.82	7.37	5.14	7.39	0.000109	0.69	74.14	30	0.13
Marignano	MarignanoValle	8	Tr30	25.32	2.86	6.5	4.57	6.51	0.000044	0.41	72.43	32.98	0.08
Marignano	MarignanoValle	8	Tr200	38.45	2.86	7.03	4.74	7.04	0.000052	0.5	89.72	32.98	0.09
Marignano	MarignanoValle	8	Tr500	44.96	2.86	7.39	4.82	7.41	0.000048	0.52	101.8	32.98	0.09
Marignano	MarignanoValle	8.4	Tr30	25.32	2.8	6.5	4.74	6.51	0.000064	0.49	60.9	26.81	0.09
Marignano	MarignanoValle	8.4	Tr200	38.45	2.8	7.03	4.91	7.04	0.000078	0.6	74.94	26.81	0.1
Marignano	MarignanoValle	8.4	Tr500	44.96	2.8	7.39	4.97	7.41	0.000073	0.63	84.75	26.81	0.1
Marignano	MarignanoValle	8.45		Culvert									
Marignano	MarignanoValle	8.5	Tr30	25.32	2.8	6.51	4.74	6.52	0.000064	0.49	61.13	26.81	0.09
Marignano	MarignanoValle	8.5	Tr200	38.45	2.8	7.03	4.91	7.05	0.000077	0.6	75.08	26.81	0.1
Marignano	MarignanoValle	8.5	Tr500	44.96	2.8	7.4	4.97	7.42	0.000072	0.62	85	26.81	0.1
Marignano	MarignanoValle	9	Tr30	25.32	3.05	6.53	4.73	6.53	0.000048	0.44	68.46	30	0.08
Marignano	MarignanoValle	9	Tr200	38.45	3.05	7.05	4.88	7.06	0.000059	0.54	84.18	30	0.09
Marignano	MarignanoValle	9	Tr500	44.96	3.05	7.42	4.94	7.43	0.000055	0.56	95.26	30	0.09
Marignano	MarignanoValle	10	Tr30	25.32	2.93	6.54	4.37	6.54	0.000027	0.35	83.21	30	0.06
Marignano	MarignanoValle	10	Tr200	38.45	2.93	7.06	4.55	7.07	0.000036	0.45	99.02	30	0.07
Marignano	MarignanoValle	10	Tr500	44.96	2.93	7.43	4.55	7.44	0.000036	0.47	110.08	30	0.08
Marignano	MarignanoValle	11	Tr30	25.32	2.74	6.54	4.47	6.56	0.000164	0.7	44.78	30	0.13
Marignano	MarignanoValle	11	Tr200	38.45	2.74	7.07	4.89	7.09	0.000158	0.77	60.66	30	0.14

Marignano	MarignanoValle	11	Tr500	44.96	2.74	7.44	5.32	7.46	0.000131	0.75	71.73	30	0.13
Marignano	MarignanoValle	11.5		Culvert									
Marignano	MarignanoValle	12	Tr30	20.21	3.03	6.67	4.27	6.69	0.00017	0.66	30.54	12.25	0.13
Marignano	MarignanoValle	12	Tr200	30.68	3.03	7.16	4.62	7.19	0.000232	0.84	36.57	12.25	0.15
Marignano	MarignanoValle	12	Tr500	35.87	3.03	7.5	4.82	7.54	0.000233	0.88	40.74	12.25	0.15
Marignano	MarignanoValle	13	Tr30	20.21	2.83	6.67	4.6	6.7	0.00027	0.8	25.23	9.06	0.15
Marignano	MarignanoValle	13	Tr200	30.68	2.83	7.16	4.94	7.22	0.000396	1.03	29.68	9.06	0.18
Marignano	MarignanoValle	13	Tr500	35.87	2.83	7.5	5.05	7.56	0.000414	1.1	32.74	9.06	0.18
Marignano	MarignanoValle	14	Tr30	20.21	3.12	6.68	4.52	6.72	0.000233	0.86	24.74	8.18	0.16
Marignano	MarignanoValle	14	Tr200	30.68	3.12	7.18	4.8	7.24	0.000347	1.12	28.8	8.18	0.19
Marignano	MarignanoValle	14	Tr500	35.87	3.12	7.52	4.92	7.59	0.000366	1.2	31.57	8.18	0.19
Marignano	MarignanoValle	15	Tr30	20.21	3.13	6.71	4.41	6.73	0.000121	0.59	34.29	11.51	0.11
Marignano	MarignanoValle	15	Tr200	30.68	3.13	7.23	4.63	7.26	0.000178	0.76	40.22	11.51	0.13
Marignano	MarignanoValle	15	Tr500	35.87	3.13	7.57	4.73	7.6	0.000187	0.81	44.18	11.51	0.13
Marignano	MarignanoValle	16	Tr30	20.21	3.24	6.71	4.73	6.74	0.000211	0.72	27.97	10.3	0.14
Marignano	MarignanoValle	16	Tr200	30.68	3.24	7.23	4.96	7.27	0.000297	0.92	33.28	10.3	0.16
Marignano	MarignanoValle	16	Tr500	35.87	3.24	7.57	5.07	7.62	0.000307	0.97	36.82	10.3	0.16
Marignano	MarignanoValle	17	Tr30	20.21	3.17	6.72	5.05	6.77	0.000477	0.99	20.48	8.09	0.2
Marignano	MarignanoValle	17	Tr200	30.68	3.17	7.24	5.33	7.32	0.000655	1.24	24.66	8.09	0.23
Marignano	MarignanoValle	17	Tr500	35.87	3.17	7.58	5.45	7.67	0.000669	1.31	27.43	8.09	0.23
Marignano	Marignano_Mont e	24	Tr30	12.8	3.55	6.75	5.08	6.78	0.000343	0.78	16.38	8.37	0.18
Marignano	Marignano_Mont e	24	Tr200	19.45	3.55	7.29	5.42	7.33	0.000397	0.93	20.87	8.37	0.19
Marignano	Marignano_Mont e	24	Tr500	22.74	3.55	7.64	5.57	7.68	0.000377	0.96	23.79	8.37	0.18
Marignano	Marignano_Mont e	24.5	Tr30	12.8	3.75	6.75	5.29	6.79	0.000402	0.83	15.47	8.37	0.19
Marignano	Marignano_Mont e	24.5	Tr200	19.45	3.75	7.29	5.63	7.34	0.000448	0.97	19.97	8.37	0.2
Marignano	Marignano_Mont e	24.5	Tr500	22.74	3.75	7.64	5.75	7.69	0.000418	0.99	22.89	8.37	0.19
Marignano	Marignano_Mont e	24.8		Culvert									
Marignano	Marignano_Mont e	25	Tr30	12.8	3.98	6.9	5.26	6.93	0.000367	0.84	15.26	6.87	0.18
Marignano	Marignano_Mont e	25	Tr200	19.45	3.98	7.39	5.56	7.44	0.000493	1.04	18.63	6.87	0.2
Marignano	Marignano_Mont e	25	Tr500	22.74	3.98	7.71	5.68	7.77	0.000501	1.09	20.83	6.87	0.2
Marignano	Marignano_Mont e	26	Tr30	12.8	3.98	6.88	5.33	6.96	0.001112	1.25	10.2	4.03	0.25
Marignano	Marignano_Mont e	26	Tr200	19.45	3.98	7.36	5.69	7.49	0.001665	1.6	12.12	4.03	0.3
Marignano	Marignano_Mont e	26	Tr500	22.74	3.98	7.67	5.83	7.82	0.001783	1.7	13.38	4.03	0.3
Marignano	Marignano_Mont e	27	Tr30	12.8	4.06	6.96	5.28	7	0.000448	0.89	14.36	5.8	0.18
Marignano	Marignano_Mont e	27	Tr200	19.45	4.06	7.48	5.53	7.55	0.000624	1.12	17.39	5.8	0.21
Marignano	Marignano_Mont e	27	Tr500	22.74	4.06	7.81	5.65	7.88	0.000652	1.18	19.27	5.8	0.21
Marignano	Marignano_Mont e	28	Tr30	12.8	4.11	7	5.38	7.03	0.000294	0.74	17.38	7.6	0.16
Marignano	Marignano_Mont e	28	Tr200	19.45	4.11	7.54	5.59	7.58	0.000376	0.91	21.49	7.6	0.17
Marignano	Marignano_Mont e	28	Tr500	22.74	4.11	7.87	5.68	7.92	0.00038	0.95	24	7.6	0.17
Marignano	Marignano_Mont e	29	Tr30	12.8	4.29	7.03	5.43	7.04	0.000104	0.47	27.49	13.38	0.1
Marignano	Marignano_Mont e	29	Tr200	19.45	4.29	7.58	5.57	7.6	0.000118	0.56	34.88	13.38	0.11
Marignano	Marignano_Mont e	29	Tr500	22.74	4.29	7.91	5.64	7.93	0.000113	0.58	39.33	13.38	0.11
Marignano	Marignano_Mont e	30	Tr30	12.8	4.44	7.03	5.79	7.06	0.000351	0.73	17.54	11.53	0.19
Marignano	Marignano_Mont e	30	Tr200	19.45	4.44	7.58	6.01	7.61	0.00032	0.81	23.89	11.53	0.18



Marignano	Marignano_Monte	30	Tr500	22.74	4.44	7.91	6.14	7.95	0.000282	0.82	27.72	11.53	0.17
Marignano	Marignano1	18	Tr30	3.87	3.57	6.78	4.44	6.78	0.000008	0.13	30.45	15.66	0.03
Marignano	Marignano1	18	Tr200	5.88	3.57	7.33	4.7	7.33	0.000009	0.15	39.05	15.66	0.03
Marignano	Marignano1	18	Tr500	6.87	3.57	7.68	4.76	7.68	0.000008	0.15	44.55	15.66	0.03
Marignano	Marignano1	18.5											
Marignano	Marignano1	19	Tr30	3.87	3.6	6.78	4.38	6.78	0.000008	0.13	30.79	17.83	0.03
Marignano	Marignano1	19	Tr200	5.88	3.6	7.33	4.62	7.33	0.000008	0.14	40.59	17.83	0.03
Marignano	Marignano1	19	Tr500	6.87	3.6	7.68	4.69	7.68	0.000007	0.15	46.86	17.83	0.03
Marignano	Marignano1	20	Tr30	3.87	3.56	6.78	4.36	6.78	0.000006	0.11	34.43	17.48	0.03
Marignano	Marignano1	20	Tr200	5.88	3.56	7.33	4.49	7.33	0.000006	0.13	44.04	17.48	0.03
Marignano	Marignano1	20	Tr500	6.87	3.56	7.68	4.54	7.68	0.000006	0.14	50.18	17.48	0.03
Marignano	Marignano1	20.5											
Marignano	Marignano1	21	Tr30	3.87	3.58	6.78	4.22	6.79	0.000033	0.25	15.28	5.47	0.05
Marignano	Marignano1	21	Tr200	5.88	3.58	7.33	4.38	7.34	0.000048	0.32	18.28	5.47	0.06
Marignano	Marignano1	21	Tr500	6.87	3.58	7.69	4.45	7.69	0.000051	0.34	20.21	5.47	0.06
Marignano	Marignano1	22	Tr30	3.87	3.81	6.79	4.81	6.79	0.000051	0.27	14.57	9.21	0.07
Marignano	Marignano1	22	Tr200	5.88	3.81	7.34	5	7.34	0.000048	0.3	19.65	9.21	0.07
Marignano	Marignano1	22	Tr500	6.87	3.81	7.69	5.09	7.7	0.000042	0.3	22.9	9.21	0.06
Marignano	Marignano1	23	Tr30	3.87	3.95	6.79	4.77	6.8	0.000064	0.32	12.18	6.8	0.08
Marignano	Marignano1	23	Tr200	5.88	3.95	7.35	4.96	7.35	0.00007	0.37	15.93	6.8	0.08
Marignano	Marignano1	23	Tr500	6.87	3.95	7.7	5.05	7.7	0.000065	0.37	18.32	6.8	0.07
Puzzolente	Puzzolente	1	Tr30	49.95	1.9	6.19	5.1	6.27	0.000864	1.35	41.56	24	0.28
Puzzolente	Puzzolente	1	Tr200	87.87	1.9	6.87	5.75	6.99	0.00097	1.7	57.83	24	0.32
Puzzolente	Puzzolente	1	Tr500	108	1.9	7.4	5.79	7.53	0.000786	1.71	70.74	24	0.29
Puzzolente	Puzzolente	7	Tr30	49.95	3.56	6.28	5.87	6.39	0.001447	1.66	34.31	24	0.4
Puzzolente	Puzzolente	7	Tr200	87.87	3.56	6.96	6	7.12	0.00134	1.98	50.63	24	0.41
Puzzolente	Puzzolente	7	Tr500	108	3.56	7.47	6.17	7.63	0.001023	1.97	63.02	24	0.37
Scolmatore	Scolmatore6	1	Tr30	900	-1.95	1.75	1.75	2.51	0.00538	3.86	233.3	153.57	1
Scolmatore	Scolmatore6	1	Tr200	900	-1.95	1.75	1.75	2.51	0.00538	3.86	233.3	153.57	1
Scolmatore	Scolmatore6	1	Tr500	900	-1.95	1.75	1.75	2.51	0.00538	3.86	233.3	153.57	1
Scolmatore	Scolmatore6	2	Tr30	900	-1.33	2.69	1.28	2.86	0.000635	1.86	484.79	192.63	0.37
Scolmatore	Scolmatore6	2	Tr200	900	-1.33	2.69	1.28	2.86	0.000635	1.86	484.79	192.63	0.37
Scolmatore	Scolmatore6	2	Tr500	900	-1.33	2.69	1.28	2.86	0.000635	1.86	484.79	192.63	0.37
Scolmatore	Scolmatore6	3	Tr30	900	-1.25	2.74	1.21	2.93	0.000561	1.95	461.96	155.22	0.36
Scolmatore	Scolmatore6	3	Tr200	900	-1.25	2.74	1.21	2.93	0.000561	1.95	461.96	155.22	0.36
Scolmatore	Scolmatore6	3	Tr500	900	-1.25	2.74	1.21	2.93	0.000561	1.95	461.96	155.22	0.36
Scolmatore	Scolmatore6	4	Tr30	900	-1.25	2.74	1.21	2.93	0.000559	1.95	462.26	155.22	0.36
Scolmatore	Scolmatore6	4	Tr200	900	-1.25	2.74	1.21	2.93	0.000559	1.95	462.26	155.22	0.36
Scolmatore	Scolmatore6	4	Tr500	900	-1.25	2.74	1.21	2.93	0.000559	1.95	462.26	155.22	0.36
Scolmatore	Scolmatore6	4.1	Tr30	900	-1.25	2.74	1.21	2.94	0.000556	1.94	463.25	155.25	0.36
Scolmatore	Scolmatore6	4.1	Tr200	900	-1.25	2.74	1.21	2.94	0.000556	1.94	463.25	155.25	0.36
Scolmatore	Scolmatore6	4.1	Tr500	900	-1.25	2.74	1.21	2.94	0.000556	1.94	463.25	155.25	0.36
Scolmatore	Scolmatore6	4.5											
Scolmatore	Scolmatore6	5	Tr30	900	-1.25	2.79	1.21	2.98	0.000529	1.91	470.33	155.42	0.35
Scolmatore	Scolmatore6	5	Tr200	900	-1.25	2.79	1.21	2.98	0.000529	1.91	470.33	155.42	0.35
Scolmatore	Scolmatore6	5	Tr500	900	-1.25	2.79	1.21	2.98	0.000529	1.91	470.33	155.42	0.35
Scolmatore	Scolmatore6	6	Tr30	900	-2.54	2.91	1.05	3.03	0.00033	1.58	610.51	231.89	0.28
Scolmatore	Scolmatore6	6	Tr200	900	-2.54	2.91	1.05	3.03	0.00033	1.58	610.51	231.89	0.28
Scolmatore	Scolmatore6	6	Tr500	900	-2.54	2.91	1.05	3.03	0.00033	1.58	610.51	231.89	0.28
Scolmatore	Scolmatore5.1	6.9	Tr30	900	-2.75	3.02	-0.4	3.04	0.00005	0.74	1322.1	400	0.11
Scolmatore	Scolmatore5.1	6.9	Tr200	900	-2.75	3.02	-0.4	3.04	0.00005	0.74	1322.1	400	0.11
Scolmatore	Scolmatore5.1	6.9	Tr500	900	-2.75	3.02	-0.4	3.04	0.00005	0.74	1322.1	400	0.11
Scolmatore	Scolmatore5.1	7	Tr30	900	-2.75	3.02	-0.4	3.05	0.00005	0.74	1323.7	400	0.11
Scolmatore	Scolmatore5.1	7	Tr200	900	-2.75	3.02	-0.4	3.05	0.00005	0.74	1323.7	400	0.11
Scolmatore	Scolmatore5.1	7	Tr500	900	-2.75	3.02	-0.4	3.05	0.00005	0.74	1323.7	400	0.11
Scolmatore	Scolmatore5	7.9	Tr30	900	-1.28	3	0.7	3.06	0.000145	1.06	900.07	304.34	0.19
Scolmatore	Scolmatore5	7.9	Tr200	900	-1.28	3	0.7	3.06	0.000145	1.06	900.07	304.34	0.19
Scolmatore	Scolmatore5	7.9	Tr500	900	-1.28	3	0.7	3.06	0.000145	1.06	900.07	304.34	0.19
Scolmatore	Scolmatore5	8	Tr30	900	-1.28	3.01	0.7	3.06	0.000144	1.06	901.64	304.4	0.19
Scolmatore	Scolmatore5	8	Tr200	900	-1.28	3.01	0.7	3.06	0.000144	1.06	901.64	304.4	0.19
Scolmatore	Scolmatore5	8	Tr500	900	-1.28	3.01	0.7	3.06	0.000144	1.06	901.64	304.4	0.19

Scolmatore	Scolmatore4	9	Tr30	900	-1.5	3.05	0.74	3.09	0.000125	1.03	1061.6	500	0.18
Scolmatore	Scolmatore4	9	Tr200	900	-1.5	3.05	0.74	3.09	0.000125	1.03	1061.6	500	0.18
Scolmatore	Scolmatore4	9	Tr500	900	-1.5	3.05	0.74	3.09	0.000125	1.03	1061.6	500	0.18
Scolmatore	Scolmatore4	10	Tr30	900	-2.21	3.06	0.4	3.14	0.000186	1.34	787.98	340.63	0.22
Scolmatore	Scolmatore4	10	Tr200	900	-2.21	3.06	0.4	3.14	0.000186	1.34	787.98	340.63	0.22
Scolmatore	Scolmatore4	10	Tr500	900	-2.21	3.06	0.4	3.14	0.000186	1.34	787.98	340.63	0.22
Scolmatore	Scolmatore3	11	Tr30	900	-1.39	3.06	0.76	3.17	0.000256	1.53	617.23	185.41	0.25
Scolmatore	Scolmatore3	11	Tr200	900	-1.39	3.06	0.76	3.17	0.000256	1.53	617.23	185.41	0.25
Scolmatore	Scolmatore3	11	Tr500	900	-1.39	3.06	0.76	3.17	0.000256	1.53	617.23	185.41	0.25
Scolmatore	Scolmatore3	12	Tr30	900	-1.31	3.18	0.74	3.23	0.000111	1.01	1058.4	429.09	0.17
Scolmatore	Scolmatore3	12	Tr200	900	-1.31	3.18	0.74	3.23	0.000111	1.01	1058.4	429.09	0.17
Scolmatore	Scolmatore3	12	Tr500	900	-1.31	3.18	0.74	3.23	0.000111	1.01	1058.4	429.09	0.17
Scolmatore	Scolmatore3	13	Tr30	900	-1.51	3.23	0.72	3.3	0.00016	1.24	776.81	217.95	0.2
Scolmatore	Scolmatore3	13	Tr200	900	-1.51	3.23	0.72	3.3	0.00016	1.24	776.81	217.95	0.2
Scolmatore	Scolmatore3	13	Tr500	900	-1.51	3.23	0.72	3.3	0.00016	1.24	776.81	217.95	0.2
Scolmatore	Scolmatore3	14	Tr30	900	-1.64	3.23	0.66	3.37	0.000272	1.65	546.65	136.71	0.26
Scolmatore	Scolmatore3	14	Tr200	900	-1.64	3.23	0.66	3.37	0.000272	1.65	546.65	136.71	0.26
Scolmatore	Scolmatore3	14	Tr500	900	-1.64	3.23	0.66	3.37	0.000272	1.65	546.65	136.71	0.26
Scolmatore	Scolmatore3	15	Tr30	900	-2.05	3.29	0.74	3.43	0.000275	1.66	543.56	136.52	0.26
Scolmatore	Scolmatore3	15	Tr200	900	-2.05	3.29	0.74	3.43	0.000275	1.66	543.56	136.52	0.26
Scolmatore	Scolmatore3	15	Tr500	900	-2.05	3.29	0.74	3.43	0.000275	1.66	543.56	136.52	0.26
Scolmatore	Scolmatore3	16	Tr30	900	-2.28	3.42	0.74	3.46	0.000091	0.99	1072.5	374.68	0.15
Scolmatore	Scolmatore3	16	Tr200	900	-2.28	3.42	0.74	3.46	0.000091	0.99	1072.5	374.68	0.15
Scolmatore	Scolmatore3	16	Tr500	900	-2.28	3.42	0.74	3.46	0.000091	0.99	1072.5	374.68	0.15
Scolmatore	Scolmatore3	16.9	Tr30	900	-2.26	3.36	0.71	3.49	0.000257	1.61	559.03	138.94	0.26
Scolmatore	Scolmatore3	16.9	Tr200	900	-2.26	3.36	0.71	3.49	0.000257	1.61	559.03	138.94	0.26
Scolmatore	Scolmatore3	16.9	Tr500	900	-2.26	3.36	0.71	3.49	0.000257	1.61	559.03	138.94	0.26
Scolmatore	Scolmatore3	17		Bridge									
Scolmatore	Scolmatore3	17.1	Tr30	900	-2.26	3.5	0.79	3.53	0.000075	0.88	1211.8	434.25	0.14
Scolmatore	Scolmatore3	17.1	Tr200	900	-2.26	3.5	0.79	3.53	0.000075	0.88	1211.8	434.25	0.14
Scolmatore	Scolmatore3	17.1	Tr500	900	-2.26	3.5	0.79	3.53	0.000075	0.88	1211.8	434.25	0.14
Scolmatore	Scolmatore3	18	Tr30	900	-2.28	3.1	1.82	3.7	0.001295	3.44	261.93	68.25	0.56
Scolmatore	Scolmatore3	18	Tr200	900	-2.28	3.1	1.82	3.7	0.001295	3.44	261.93	68.25	0.56
Scolmatore	Scolmatore3	18	Tr500	900	-2.28	3.1	1.82	3.7	0.001295	3.44	261.93	68.25	0.56
Scolmatore	Scolmatore3	19	Tr30	900	-3.01	3.76	0.68	3.8	0.000098	1.01	1029	338.4	0.16
Scolmatore	Scolmatore3	19	Tr200	900	-3.01	3.76	0.68	3.8	0.000098	1.01	1029	338.4	0.16
Scolmatore	Scolmatore3	19	Tr500	900	-3.01	3.76	0.68	3.8	0.000098	1.01	1029	338.4	0.16
Scolmatore	Scolmatore3	20	Tr30	900	-2.48	3.78	0.9	3.82	0.000095	0.93	1096.6	383.6	0.15
Scolmatore	Scolmatore3	20	Tr200	900	-2.48	3.78	0.9	3.82	0.000095	0.93	1096.6	383.6	0.15
Scolmatore	Scolmatore3	20	Tr500	900	-2.48	3.78	0.9	3.82	0.000095	0.93	1096.6	383.6	0.15
Scolmatore	Scolmatore3	21	Tr30	900	-2.34	3.73	2.2	3.88	0.000414	1.95	545.56	201.16	0.32
Scolmatore	Scolmatore3	21	Tr200	900	-2.34	3.73	2.2	3.88	0.000414	1.95	545.56	201.16	0.32
Scolmatore	Scolmatore3	21	Tr500	900	-2.34	3.73	2.2	3.88	0.000414	1.95	545.56	201.16	0.32
Scolmatore	Scolmatore3	23	Tr30	900	-1.75	3.94	1.11	3.98	0.000101	1	1033.1	341.61	0.16
Scolmatore	Scolmatore3	23	Tr200	900	-1.75	3.94	1.11	3.98	0.000101	1	1033.1	341.61	0.16
Scolmatore	Scolmatore3	23	Tr500	900	-1.75	3.94	1.11	3.98	0.000101	1	1033.1	341.61	0.16
Scolmatore	Scolmatore3	25	Tr30	900	-1.9	3.96	1.62	4.03	0.000182	1.33	799.7	296.46	0.21
Scolmatore	Scolmatore3	25	Tr200	900	-1.9	3.96	1.62	4.03	0.000182	1.33	799.7	296.46	0.21
Scolmatore	Scolmatore3	25	Tr500	900	-1.9	3.96	1.62	4.03	0.000182	1.33	799.7	296.46	0.21
Scolmatore	Scolmatore3	27	Tr30	900	-2.07	3.99	2.46	4.13	0.000371	1.87	561.05	191.5	0.3
Scolmatore	Scolmatore3	27	Tr200	900	-2.07	3.99	2.46	4.13	0.000371	1.87	561.05	191.5	0.3
Scolmatore	Scolmatore3	27	Tr500	900	-2.07	3.99	2.46	4.13	0.000371	1.87	561.05	191.5	0.3
Scolmatore	Scolmatore3	29	Tr30	900	-3.54	4.12	1.1	4.2	0.000163	1.31	729.03	200.73	0.2
Scolmatore	Scolmatore3	29	Tr200	900	-3.54	4.12	1.1	4.2	0.000163	1.31	729.03	200.73	0.2
Scolmatore	Scolmatore3	29	Tr500	900	-3.54	4.12	1.1	4.2	0.000163	1.31	729.03	200.73	0.2
Scolmatore	Scolmatore3	31	Tr30	900	-3.54	4.1	1.11	4.21	0.000211	1.47	614.05	151.03	0.23
Scolmatore	Scolmatore3	31	Tr200	900	-3.54	4.1	1.11	4.21	0.000211	1.47	614.05	151.03	0.23
Scolmatore	Scolmatore3	31	Tr500	900	-3.54	4.1	1.11	4.21	0.000211	1.47	614.05	151.03	0.23
Scolmatore	Scolmatore3	32		Bridge									
Scolmatore	Scolmatore3	32.1	Tr30	900	-3.56	4.23	1.09	4.3	0.000143	1.22	809.83	261.08	0.19
Scolmatore	Scolmatore3	32.1	Tr200	900	-3.56	4.23	1.09	4.3	0.000143	1.22	809.83	261.08	0.19
Scolmatore	Scolmatore3	32.1	Tr500	900	-3.56	4.23	1.09	4.3	0.000143	1.22	809.83	261.08	0.19
Scolmatore	Scolmatore3	33	Tr30	900	-3.55	4.23	1.09	4.3	0.000143	1.23	809.12	261.07	0.19

Scolmatore	Scolmatore3	33	Tr200	900	-3.55	4.23	1.09	4.3	0.000143	1.23	809.12	261.07	0.19
Scolmatore	Scolmatore3	33	Tr500	900	-3.55	4.23	1.09	4.3	0.000143	1.23	809.12	261.07	0.19
Scolmatore	Scolmatore3	35	Tr30	900	-1.77	4.3	0.82	4.32	0.000048	0.74	1435.5	436.25	0.11
Scolmatore	Scolmatore3	35	Tr200	900	-1.77	4.3	0.82	4.32	0.000048	0.74	1435.5	436.25	0.11
Scolmatore	Scolmatore3	35	Tr500	900	-1.77	4.3	0.82	4.32	0.000048	0.74	1435.5	436.25	0.11
Scolmatore	Scolmatore3	36	Tr30	900	-3.7	4.29	2.36	4.35	0.000149	1.22	898.23	299.4	0.19
Scolmatore	Scolmatore3	36	Tr200	900	-3.7	4.29	2.36	4.35	0.000149	1.22	898.23	299.4	0.19
Scolmatore	Scolmatore3	36	Tr500	900	-3.7	4.29	2.36	4.35	0.000149	1.22	898.23	299.4	0.19
Scolmatore	Scolmatore3	37		Bridge									
Scolmatore	Scolmatore3	37.1	Tr30	900	-3.68	4.31	2.37	4.36	0.000149	1.22	899.03	299.4	0.19
Scolmatore	Scolmatore3	37.1	Tr200	900	-3.68	4.31	2.37	4.36	0.000149	1.22	899.03	299.4	0.19
Scolmatore	Scolmatore3	37.1	Tr500	900	-3.68	4.31	2.37	4.36	0.000149	1.22	899.03	299.4	0.19
Scolmatore	Scolmatore3	38	Tr30	900	-3.7	4.31	2.36	4.36	0.000146	1.21	903.98	299.4	0.19
Scolmatore	Scolmatore3	38	Tr200	900	-3.7	4.31	2.36	4.36	0.000146	1.21	903.98	299.4	0.19
Scolmatore	Scolmatore3	38	Tr500	900	-3.7	4.31	2.36	4.36	0.000146	1.21	903.98	299.4	0.19
Scolmatore	Scolmatore3	39	Tr30	900	-1.6	4.35	1.41	4.39	0.000071	0.86	1201.9	369.33	0.14
Scolmatore	Scolmatore3	39	Tr200	900	-1.6	4.35	1.41	4.39	0.000071	0.86	1201.9	369.33	0.14
Scolmatore	Scolmatore3	39	Tr500	900	-1.6	4.35	1.41	4.39	0.000071	0.86	1201.9	369.33	0.14
Scolmatore	Scolmatore3	40	Tr30	900	-1.84	4.4	1.48	4.43	0.000053	0.76	1288	338.29	0.12
Scolmatore	Scolmatore3	40	Tr200	900	-1.84	4.4	1.48	4.43	0.000053	0.76	1288	338.29	0.12
Scolmatore	Scolmatore3	40	Tr500	900	-1.84	4.4	1.48	4.43	0.000053	0.76	1288	338.29	0.12
Scolmatore	Scolmatore3	41	Tr30	900	-1.37	4.43	1.48	4.46	0.000062	0.82	1176.7	305.59	0.13
Scolmatore	Scolmatore3	41	Tr200	900	-1.37	4.43	1.48	4.46	0.000062	0.82	1176.7	305.59	0.13
Scolmatore	Scolmatore3	41	Tr500	900	-1.37	4.43	1.48	4.46	0.000062	0.82	1176.7	305.59	0.13
Scolmatore	Scolmatore3	43	Tr30	900	-1.35	4.47	1.54	4.48	0.000016	0.42	2209.9	544.61	0.06
Scolmatore	Scolmatore3	43	Tr200	900	-1.35	4.47	1.54	4.48	0.000016	0.42	2209.9	544.61	0.06
Scolmatore	Scolmatore3	43	Tr500	900	-1.35	4.47	1.54	4.48	0.000016	0.42	2209.9	544.61	0.06
Scolmatore	Scolmatore3	44	Tr30	900	-1.22	4.46	1.58	4.49	0.000068	0.86	1082.8	264.52	0.13
Scolmatore	Scolmatore3	44	Tr200	900	-1.22	4.46	1.58	4.49	0.000068	0.86	1082.8	264.52	0.13
Scolmatore	Scolmatore3	44	Tr500	900	-1.22	4.46	1.58	4.49	0.000068	0.86	1082.8	264.52	0.13
Scolmatore	Scolmatore3	45	Tr30	900	-1.18	4.45	1.66	4.56	0.000198	1.45	622.75	149.85	0.23
Scolmatore	Scolmatore3	45	Tr200	900	-1.18	4.45	1.66	4.56	0.000198	1.45	622.75	149.85	0.23
Scolmatore	Scolmatore3	45	Tr500	900	-1.18	4.45	1.66	4.56	0.000198	1.45	622.75	149.85	0.23
Scolmatore	Scolmatore3	46	Tr30	900	-1.33	4.53	1.82	4.61	0.000173	1.33	729.06	214.71	0.21
Scolmatore	Scolmatore3	46	Tr200	900	-1.33	4.53	1.82	4.61	0.000173	1.33	729.06	214.71	0.21
Scolmatore	Scolmatore3	46	Tr500	900	-1.33	4.53	1.82	4.61	0.000173	1.33	729.06	214.71	0.21
Scolmatore	Scolmatore3	47	Tr30	900	-1.54	4.63	1.78	4.68	0.000108	1.07	929.85	266.09	0.17
Scolmatore	Scolmatore3	47	Tr200	900	-1.54	4.63	1.78	4.68	0.000108	1.07	929.85	266.09	0.17
Scolmatore	Scolmatore3	47	Tr500	900	-1.54	4.63	1.78	4.68	0.000108	1.07	929.85	266.09	0.17
Scolmatore	Scolmatore3	48	Tr30	900	-1.44	4.67	1.9	4.73	0.00013	1.17	842.02	241.03	0.18
Scolmatore	Scolmatore3	48	Tr200	900	-1.44	4.67	1.9	4.73	0.00013	1.17	842.02	241.03	0.18
Scolmatore	Scolmatore3	48	Tr500	900	-1.44	4.67	1.9	4.73	0.00013	1.17	842.02	241.03	0.18
Scolmatore	Scolmatore3	48.1	Tr30	900	-1.44	4.71	1.9	4.77	0.000125	1.16	852.13	241.11	0.18
Scolmatore	Scolmatore3	48.1	Tr200	900	-1.44	4.71	1.9	4.77	0.000125	1.16	852.13	241.11	0.18
Scolmatore	Scolmatore3	48.1	Tr500	900	-1.44	4.71	1.9	4.77	0.000125	1.16	852.13	241.11	0.18
Scolmatore	Scolmatore2	49	Tr30	900	-1.29	4.78	1.6	4.78	0.000014	0.39	2413	605.6	0.06
Scolmatore	Scolmatore2	49	Tr200	900	-1.29	4.78	1.6	4.78	0.000014	0.39	2413	605.6	0.06
Scolmatore	Scolmatore2	49	Tr500	900	-1.29	4.78	1.6	4.78	0.000014	0.39	2413	605.6	0.06
Scolmatore	Scolmatore2	52	Tr30	900	-1.18	4.72	2.11	4.82	0.000261	1.43	628.65	189.16	0.25
Scolmatore	Scolmatore2	52	Tr200	900	-1.18	4.72	2.11	4.82	0.000261	1.43	628.65	189.16	0.25
Scolmatore	Scolmatore2	52	Tr500	900	-1.18	4.72	2.11	4.82	0.000261	1.43	628.65	189.16	0.25
Scolmatore	Scolmatore2	54	Tr30	900	-0.96	4.77	2.39	4.9	0.000273	1.59	565.93	149.79	0.26
Scolmatore	Scolmatore2	54	Tr200	900	-0.96	4.77	2.39	4.9	0.000273	1.59	565.93	149.79	0.26
Scolmatore	Scolmatore2	54	Tr500	900	-0.96	4.77	2.39	4.9	0.000273	1.59	565.93	149.79	0.26
Scolmatore	Scolmatore2	55	Tr30	900	-1.85	4.92	1.85	4.96	0.000081	0.94	1055.3	290.27	0.15
Scolmatore	Scolmatore2	55	Tr200	900	-1.85	4.92	1.85	4.96	0.000081	0.94	1055.3	290.27	0.15
Scolmatore	Scolmatore2	55	Tr500	900	-1.85	4.92	1.85	4.96	0.000081	0.94	1055.3	290.27	0.15
Scolmatore	Scolmatore2	55.5	Tr30	900	-2.22	4.9	1.6	4.96	0.000102	1.11	848.78	193.76	0.16
Scolmatore	Scolmatore2	55.5	Tr200	900	-2.22	4.9	1.6	4.96	0.000102	1.11	848.78	193.76	0.16
Scolmatore	Scolmatore2	55.5	Tr500	900	-2.22	4.9	1.6	4.96	0.000102	1.11	848.78	193.76	0.16
Scolmatore	Scolmatore2	56	Tr30	900	-2.22	4.91	1.61	4.96	0.000104	1.09	849.02	193.77	0.16
Scolmatore	Scolmatore2	56	Tr200	900	-2.22	4.91	1.61	4.96	0.000104	1.09	849.02	193.77	0.16
Scolmatore	Scolmatore2	56	Tr500	900	-2.22	4.91	1.61	4.96	0.000104	1.09	849.02	193.77	0.16

Scolmatore	Scolmatore2	56.17		Bridge										
Scolmatore	Scolmatore2	56.2	Tr30	900	-2.23	4.92	1.62	4.97	0.000105	1.09	846.81	193.74	0.17	
Scolmatore	Scolmatore2	56.2	Tr200	900	-2.23	4.92	1.62	4.97	0.000105	1.09	846.81	193.74	0.17	
Scolmatore	Scolmatore2	56.2	Tr500	900	-2.23	4.92	1.62	4.97	0.000105	1.09	846.81	193.74	0.17	
Scolmatore	Scolmatore2	56.3	Tr30	900	-2.23	4.92	1.62	4.98	0.000105	1.09	847.06	193.74	0.16	
Scolmatore	Scolmatore2	56.3	Tr200	900	-2.23	4.92	1.62	4.98	0.000105	1.09	847.06	193.74	0.16	
Scolmatore	Scolmatore2	56.3	Tr500	900	-2.23	4.92	1.62	4.98	0.000105	1.09	847.06	193.74	0.16	
Scolmatore	Scolmatore2	57	Tr30	900	-1.38	4.94	2.25	4.98	0.000104	1.01	964.18	281.89	0.16	
Scolmatore	Scolmatore2	57	Tr200	900	-1.38	4.94	2.25	4.98	0.000104	1.01	964.18	281.89	0.16	
Scolmatore	Scolmatore2	57	Tr500	900	-1.38	4.94	2.25	4.98	0.000104	1.01	964.18	281.89	0.16	
Scolmatore	Scolmatore2	58	Tr30	900	-1.79	4.94	2.15	5.03	0.000197	1.41	654.37	168.4	0.22	
Scolmatore	Scolmatore2	58	Tr200	900	-1.79	4.94	2.15	5.03	0.000197	1.41	654.37	168.4	0.22	
Scolmatore	Scolmatore2	58	Tr500	900	-1.79	4.94	2.15	5.03	0.000197	1.41	654.37	168.4	0.22	
Scolmatore	Scolmatore2	59	Tr30	900	-1.79	5.05	2.15	5.15	0.000193	1.41	638.33	154.82	0.22	
Scolmatore	Scolmatore2	59	Tr200	900	-1.79	5.05	2.15	5.15	0.000193	1.41	638.33	154.82	0.22	
Scolmatore	Scolmatore2	59	Tr500	900	-1.79	5.05	2.15	5.15	0.000193	1.41	638.33	154.82	0.22	
Scolmatore	Scolmatore2	59.7	Tr30	900	-1.49	5.15	1.9	5.24	0.000153	1.32	682	153.06	0.2	
Scolmatore	Scolmatore2	59.7	Tr200	900	-1.49	5.15	1.9	5.24	0.000153	1.32	682	153.06	0.2	
Scolmatore	Scolmatore2	59.7	Tr500	900	-1.49	5.15	1.9	5.24	0.000153	1.32	682	153.06	0.2	
Scolmatore	Scolmatore2	59.8		Bridge										
Scolmatore	Scolmatore2	59.9	Tr30	900	-1.48	5.16	1.9	5.25	0.000153	1.32	683.44	153.32	0.2	
Scolmatore	Scolmatore2	59.9	Tr200	900	-1.48	5.16	1.9	5.25	0.000153	1.32	683.44	153.32	0.2	
Scolmatore	Scolmatore2	59.9	Tr500	900	-1.48	5.16	1.9	5.25	0.000153	1.32	683.44	153.32	0.2	
Scolmatore	Scolmatore2	60	Tr30	900	-2.04	5.17	1.67	5.25	0.000125	1.26	711.5	146.55	0.18	
Scolmatore	Scolmatore2	60	Tr200	900	-2.04	5.17	1.67	5.25	0.000125	1.26	711.5	146.55	0.18	
Scolmatore	Scolmatore2	60	Tr500	900	-2.04	5.17	1.67	5.25	0.000125	1.26	711.5	146.55	0.18	
Scolmatore	Scolmatore2	60.9	Tr30	900	-2.05	5.17	1.65	5.25	0.000123	1.26	714.84	146.65	0.18	
Scolmatore	Scolmatore2	60.9	Tr200	900	-2.05	5.17	1.65	5.25	0.000123	1.26	714.84	146.65	0.18	
Scolmatore	Scolmatore2	60.9	Tr500	900	-2.05	5.17	1.65	5.25	0.000123	1.26	714.84	146.65	0.18	
Scolmatore	Scolmatore2	61		Bridge										
Scolmatore	Scolmatore2	61.1	Tr30	900	-1.87	5.19	1.74	5.27	0.00013	1.29	700.2	144.42	0.19	
Scolmatore	Scolmatore2	61.1	Tr200	900	-1.87	5.19	1.74	5.27	0.00013	1.29	700.2	144.42	0.19	
Scolmatore	Scolmatore2	61.1	Tr500	900	-1.87	5.19	1.74	5.27	0.00013	1.29	700.2	144.42	0.19	
Scolmatore	Scolmatore2	62	Tr30	900	-1.85	5.19	1.74	5.27	0.00013	1.29	699.67	144.39	0.19	
Scolmatore	Scolmatore2	62	Tr200	900	-1.85	5.19	1.74	5.27	0.00013	1.29	699.67	144.39	0.19	
Scolmatore	Scolmatore2	62	Tr500	900	-1.85	5.19	1.74	5.27	0.00013	1.29	699.67	144.39	0.19	
Scolmatore	Scolmatore2	63	Tr30	900	-1.92	5.23	1.96	5.32	0.000154	1.34	692.65	160.19	0.2	
Scolmatore	Scolmatore2	63	Tr200	900	-1.92	5.23	1.96	5.32	0.000154	1.34	692.65	160.19	0.2	
Scolmatore	Scolmatore2	63	Tr500	900	-1.92	5.23	1.96	5.32	0.000154	1.34	692.65	160.19	0.2	
Scolmatore	Scolmatore2	64	Tr30	900	-1.92	5.28	1.96	5.36	0.000148	1.32	700.61	160.29	0.2	
Scolmatore	Scolmatore2	64	Tr200	900	-1.92	5.28	1.96	5.36	0.000148	1.32	700.61	160.29	0.2	
Scolmatore	Scolmatore2	64	Tr500	900	-1.92	5.28	1.96	5.36	0.000148	1.32	700.61	160.29	0.2	
Scolmatore	Scolmatore2	65	Tr30	900	-1.53	5.33	2.38	5.45	0.000227	1.53	590.06	144.68	0.24	
Scolmatore	Scolmatore2	65	Tr200	900	-1.53	5.33	2.38	5.45	0.000227	1.53	590.06	144.68	0.24	
Scolmatore	Scolmatore2	65	Tr500	900	-1.53	5.33	2.38	5.45	0.000227	1.53	590.06	144.68	0.24	
Scolmatore	Scolmatore2	65.9	Tr30	900	-1.55	5.34	2.36	5.46	0.000224	1.52	592.73	144.96	0.24	
Scolmatore	Scolmatore2	65.9	Tr200	900	-1.55	5.34	2.36	5.46	0.000224	1.52	592.73	144.96	0.24	
Scolmatore	Scolmatore2	65.9	Tr500	900	-1.55	5.34	2.36	5.46	0.000224	1.52	592.73	144.96	0.24	
Scolmatore	Scolmatore2	66		Bridge										
Scolmatore	Scolmatore2	66.1	Tr30	900	-1.62	5.35	2.43	5.48	0.000236	1.57	571.87	137.99	0.25	
Scolmatore	Scolmatore2	66.1	Tr200	900	-1.62	5.35	2.43	5.48	0.000236	1.57	571.87	137.99	0.25	
Scolmatore	Scolmatore2	66.1	Tr500	900	-1.62	5.35	2.43	5.48	0.000236	1.57	571.87	137.99	0.25	
Scolmatore	Scolmatore2	67	Tr30	900	-1.62	5.35	2.43	5.48	0.000236	1.57	572.49	138.26	0.25	
Scolmatore	Scolmatore2	67	Tr200	900	-1.62	5.35	2.43	5.48	0.000236	1.57	572.49	138.26	0.25	
Scolmatore	Scolmatore2	67	Tr500	900	-1.62	5.35	2.43	5.48	0.000236	1.57	572.49	138.26	0.25	
Scolmatore	Scolmatore2	68	Tr30	900	-2.04	5.49	2.05	5.59	0.000156	1.37	656.55	142.38	0.2	
Scolmatore	Scolmatore2	68	Tr200	900	-2.04	5.49	2.05	5.59	0.000156	1.37	656.55	142.38	0.2	
Scolmatore	Scolmatore2	68	Tr500	900	-2.04	5.49	2.05	5.59	0.000156	1.37	656.55	142.38	0.2	
Scolmatore	Scolmatore2	69	Tr30	900	-1.51	5.51	2.27	5.62	0.000181	1.45	618.8	136.59	0.22	
Scolmatore	Scolmatore2	69	Tr200	900	-1.51	5.51	2.27	5.62	0.000181	1.45	618.8	136.59	0.22	
Scolmatore	Scolmatore2	69	Tr500	900	-1.51	5.51	2.27	5.62	0.000181	1.45	618.8	136.59	0.22	
Scolmatore	Scolmatore2	69.9	Tr30	900	-1.49	5.51	2.28	5.62	0.000182	1.46	617.06	136.34	0.22	

Scolmatore	Scolmatore2	69.9	Tr200	900	-1.49	5.51	2.28	5.62	0.000182	1.46	617.06	136.34	0.22
Scolmatore	Scolmatore2	69.9	Tr500	900	-1.49	5.51	2.28	5.62	0.000182	1.46	617.06	136.34	0.22
Scolmatore	Scolmatore2	70		Bridge									
Scolmatore	Scolmatore2	70.1	Tr30	900	-1.49	5.53	2.28	5.64	0.00018	1.45	619.71	136.4	0.22
Scolmatore	Scolmatore2	70.1	Tr200	900	-1.49	5.53	2.28	5.64	0.00018	1.45	619.71	136.4	0.22
Scolmatore	Scolmatore2	70.1	Tr500	900	-1.49	5.53	2.28	5.64	0.00018	1.45	619.71	136.4	0.22
Scolmatore	Scolmatore2	71	Tr30	900	-0.76	5.49	3.33	5.67	0.000406	1.86	483.63	135.89	0.31
Scolmatore	Scolmatore2	71	Tr200	900	-0.76	5.49	3.33	5.67	0.000406	1.86	483.63	135.89	0.31
Scolmatore	Scolmatore2	71	Tr500	900	-0.76	5.49	3.33	5.67	0.000406	1.86	483.63	135.89	0.31
Scolmatore	Scolmatore2	72	Tr30	900	-2.28	5.62	2.06	5.7	0.000135	1.28	700.77	149.11	0.19
Scolmatore	Scolmatore2	72	Tr200	900	-2.28	5.62	2.06	5.7	0.000135	1.28	700.77	149.11	0.19
Scolmatore	Scolmatore2	72	Tr500	900	-2.28	5.62	2.06	5.7	0.000135	1.28	700.77	149.11	0.19
Scolmatore	Scolmatore2	72.1	Tr30	900	-2.29	5.7	2.05	5.78	0.00013	1.26	713.45	151.61	0.19
Scolmatore	Scolmatore2	72.1	Tr200	900	-2.29	5.7	2.05	5.78	0.00013	1.26	713.45	151.61	0.19
Scolmatore	Scolmatore2	72.1	Tr500	900	-2.29	5.7	2.05	5.78	0.00013	1.26	713.45	151.61	0.19
Scolmatore	Scolmatore	73	Tr30	900	0.07	5.66	3.06	5.8	0.000274	1.67	539.72	133.3	0.26
Scolmatore	Scolmatore	73	Tr200	900	0.07	5.66	3.06	5.8	0.000274	1.67	539.72	133.3	0.26
Scolmatore	Scolmatore	73	Tr500	900	0.07	5.66	3.06	5.8	0.000274	1.67	539.72	133.3	0.26
Scolmatore	Scolmatore	75	Tr30	900	-1.58	5.71	2.69	5.83	0.000202	1.49	602.39	139.32	0.23
Scolmatore	Scolmatore	75	Tr200	900	-1.58	5.71	2.69	5.83	0.000202	1.49	602.39	139.32	0.23
Scolmatore	Scolmatore	75	Tr500	900	-1.58	5.71	2.69	5.83	0.000202	1.49	602.39	139.32	0.23
Scolmatore	Scolmatore	77	Tr30	900	-1.58	5.79	2.67	5.9	0.000185	1.46	617.62	138.57	0.22
Scolmatore	Scolmatore	77	Tr200	900	-1.58	5.79	2.67	5.9	0.000185	1.46	617.62	138.57	0.22
Scolmatore	Scolmatore	77	Tr500	900	-1.58	5.79	2.67	5.9	0.000185	1.46	617.62	138.57	0.22
Scolmatore	Scolmatore	78	Tr30	900	-0.52	5.91	3.22	6.04	0.000245	1.59	566.78	138.37	0.25
Scolmatore	Scolmatore	78	Tr200	900	-0.52	5.91	3.22	6.04	0.000245	1.59	566.78	138.37	0.25
Scolmatore	Scolmatore	78	Tr500	900	-0.52	5.91	3.22	6.04	0.000245	1.59	566.78	138.37	0.25
Scolmatore	Scolmatore	79	Tr30	900	-0.17	5.98	3.34	6.11	0.000241	1.55	580.15	144.85	0.25
Scolmatore	Scolmatore	79	Tr200	900	-0.17	5.98	3.34	6.11	0.000241	1.55	580.15	144.85	0.25
Scolmatore	Scolmatore	79	Tr500	900	-0.17	5.98	3.34	6.11	0.000241	1.55	580.15	144.85	0.25
Scolmatore	Scolmatore	80	Tr30	900	-1.77	6.1	3.22	6.22	0.000219	1.57	574.01	130.05	0.24
Scolmatore	Scolmatore	80	Tr200	900	-1.77	6.1	3.22	6.22	0.000219	1.57	574.01	130.05	0.24
Scolmatore	Scolmatore	80	Tr500	900	-1.77	6.1	3.22	6.22	0.000219	1.57	574.01	130.05	0.24
Scolmatore	Scolmatore	80.9	Tr30	900	-1.84	6.1	3.13	6.22	0.000205	1.54	586	130.39	0.23
Scolmatore	Scolmatore	80.9	Tr200	900	-1.84	6.1	3.13	6.22	0.000205	1.54	586	130.39	0.23
Scolmatore	Scolmatore	80.9	Tr500	900	-1.84	6.1	3.13	6.22	0.000205	1.54	586	130.39	0.23
Scolmatore	Scolmatore	81		Bridge									
Scolmatore	Scolmatore	81.1	Tr30	900	-1.45	6.12	3.32	6.24	0.000216	1.53	587.2	136.11	0.24
Scolmatore	Scolmatore	81.1	Tr200	900	-1.45	6.12	3.32	6.24	0.000216	1.53	587.2	136.11	0.24
Scolmatore	Scolmatore	81.1	Tr500	900	-1.45	6.12	3.32	6.24	0.000216	1.53	587.2	136.11	0.24
Scolmatore	Scolmatore	82	Tr30	900	-1.44	6.13	3.33	6.25	0.000216	1.53	587.15	136.11	0.24
Scolmatore	Scolmatore	82	Tr200	900	-1.44	6.13	3.33	6.25	0.000216	1.53	587.15	136.11	0.24
Scolmatore	Scolmatore	82	Tr500	900	-1.44	6.13	3.33	6.25	0.000216	1.53	587.15	136.11	0.24
Scolmatore	Scolmatore	83	Tr30	900	-1.51	6.24	3.43	6.36	0.000215	1.52	592.73	139.01	0.23
Scolmatore	Scolmatore	83	Tr200	900	-1.51	6.24	3.43	6.36	0.000215	1.52	592.73	139.01	0.23
Scolmatore	Scolmatore	83	Tr500	900	-1.51	6.24	3.43	6.36	0.000215	1.52	592.73	139.01	0.23
Scolmatore	Scolmatore	84	Tr30	900	-1.4	6.34	3.59	6.46	0.000222	1.53	588.33	139.98	0.24
Scolmatore	Scolmatore	84	Tr200	900	-1.4	6.34	3.59	6.46	0.000222	1.53	588.33	139.98	0.24
Scolmatore	Scolmatore	84	Tr500	900	-1.4	6.34	3.59	6.46	0.000222	1.53	588.33	139.98	0.24
Scolmatore	Scolmatore	85	Tr30	900	-1.41	6.44	3.4	6.55	0.000179	1.41	639.2	147.17	0.22
Scolmatore	Scolmatore	85	Tr200	900	-1.41	6.44	3.4	6.55	0.000179	1.41	639.2	147.17	0.22
Scolmatore	Scolmatore	85	Tr500	900	-1.41	6.44	3.4	6.55	0.000179	1.41	639.2	147.17	0.22
Scolmatore	Scolmatore	86	Tr30	900	-1.57	6.55	3.36	6.64	0.000154	1.33	676.82	151.25	0.2
Scolmatore	Scolmatore	86	Tr200	900	-1.57	6.55	3.36	6.64	0.000154	1.33	676.82	151.25	0.2
Scolmatore	Scolmatore	86	Tr500	900	-1.57	6.55	3.36	6.64	0.000154	1.33	676.82	151.25	0.2
Scolmatore	Scolmatore	87	Tr30	900	-1.07	6.58	3.93	6.71	0.000243	1.57	573.52	140.38	0.25
Scolmatore	Scolmatore	87	Tr200	900	-1.07	6.58	3.93	6.71	0.000243	1.57	573.52	140.38	0.25
Scolmatore	Scolmatore	87	Tr500	900	-1.07	6.58	3.93	6.71	0.000243	1.57	573.52	140.38	0.25
Scolmatore	Scolmatore	88	Tr30	900	-1.12	6.69	3.67	6.8	0.000189	1.44	625.54	141.56	0.22
Scolmatore	Scolmatore	88	Tr200	900	-1.12	6.69	3.67	6.8	0.000189	1.44	625.54	141.56	0.22
Scolmatore	Scolmatore	88	Tr500	900	-1.12	6.69	3.67	6.8	0.000189	1.44	625.54	141.56	0.22
Scolmatore	Scolmatore	89	Tr30	900	-0.97	6.72	4.5	6.89	0.000358	1.8	499.52	132.86	0.3
Scolmatore	Scolmatore	89	Tr200	900	-0.97	6.72	4.5	6.89	0.000358	1.8	499.52	132.86	0.3

Scolmatore	Scolmatore	89	Tr500	900	-0.97	6.72	4.5	6.89	0.000358	1.8	499.52	132.86	0.3
Scolmatore	Scolmatore	89.9	Tr30	900	-0.97	6.72	4.51	6.89	0.000357	1.8	499.92	132.89	0.3
Scolmatore	Scolmatore	89.9	Tr200	900	-0.97	6.72	4.51	6.89	0.000357	1.8	499.92	132.89	0.3
Scolmatore	Scolmatore	89.9	Tr500	900	-0.97	6.72	4.51	6.89	0.000357	1.8	499.92	132.89	0.3
Scolmatore	Scolmatore	90	Bridge										
Scolmatore	Scolmatore	90.1	Tr30	900	-0.74	6.72	4.86	6.93	0.000515	2.02	445.42	132.18	0.35
Scolmatore	Scolmatore	90.1	Tr200	900	-0.74	6.72	4.86	6.93	0.000515	2.02	445.42	132.18	0.35
Scolmatore	Scolmatore	90.1	Tr500	900	-0.74	6.72	4.86	6.93	0.000515	2.02	445.42	132.18	0.35
Scolmatore	Scolmatore	91	Tr30	900	-0.77	6.74	4.84	6.94	0.000498	2	450.25	132.37	0.35
Scolmatore	Scolmatore	91	Tr200	900	-0.77	6.74	4.84	6.94	0.000498	2	450.25	132.37	0.35
Scolmatore	Scolmatore	91	Tr500	900	-0.77	6.74	4.84	6.94	0.000498	2	450.25	132.37	0.35
Scolmatore	Scolmatore	92	Tr30	900	-0.29	6.86	4.41	7	0.000275	1.63	553.75	141.77	0.26
Scolmatore	Scolmatore	92	Tr200	900	-0.29	6.86	4.41	7	0.000275	1.63	553.75	141.77	0.26
Scolmatore	Scolmatore	92	Tr500	900	-0.29	6.86	4.41	7	0.000275	1.63	553.75	141.77	0.26
Scolmatore	Scolmatore	93	Tr30	900	0.04	6.89	4.71	7.05	0.000363	1.77	508.32	141.48	0.3
Scolmatore	Scolmatore	93	Tr200	900	0.04	6.89	4.71	7.05	0.000363	1.77	508.32	141.48	0.3
Scolmatore	Scolmatore	93	Tr500	900	0.04	6.89	4.71	7.05	0.000363	1.77	508.32	141.48	0.3
Tanna	Tanna2	1	Tr30	105.51	6.21	11.22	9.16	11.32	0.000472	1.36	77.32	27.09	0.26
Tanna	Tanna2	1	Tr200	173.76	6.21	12.68	9.73	12.78	0.000365	1.44	120.78	30.21	0.23
Tanna	Tanna2	1	Tr500	208.45	6.21	13.19	9.98	13.31	0.000363	1.53	136.45	30.21	0.23
Tanna	Tanna2	2	Tr30	105.51	6.42	11.31	9.48	11.44	0.000725	1.63	64.79	23.15	0.31
Tanna	Tanna2	2	Tr200	173.76	6.42	12.73	10.12	12.89	0.000574	1.78	97.63	23.15	0.28
Tanna	Tanna2	2	Tr500	208.45	6.42	13.24	10.41	13.42	0.00059	1.9	109.5	23.15	0.28
Tanna	Tanna2	3	Tr30	105.51	6.8	11.47	9.96	11.64	0.001011	1.79	59.08	23.54	0.36
Tanna	Tanna2	3	Tr200	173.76	6.8	12.85	10.63	13.04	0.000726	1.9	91.49	23.54	0.31
Tanna	Tanna2	3	Tr500	208.45	6.8	13.37	10.95	13.57	0.000722	2.01	103.62	23.54	0.31
Tanna	Tanna2	4	Tr30	90.66	7.43	11.74	10.11	11.86	0.000711	1.54	58.7	22.09	0.3
Tanna	Tanna2	4	Tr200	151.25	7.43	13.06	10.7	13.21	0.000589	1.72	87.8	22.09	0.28
Tanna	Tanna2	4	Tr500	182.13	7.43	13.57	10.99	13.75	0.000596	1.84	99.24	22.09	0.28
Tanna	Tanna2	5	Tr30	90.66	7.79	11.82	10.47	11.99	0.001083	1.82	49.82	19.96	0.37
Tanna	Tanna2	5	Tr200	151.25	7.79	13.11	11.12	13.32	0.000863	2	75.62	19.96	0.33
Tanna	Tanna2	5	Tr500	182.13	7.79	13.63	11.36	13.86	0.000862	2.12	85.9	19.96	0.33
Tanna	Tanna2	6	Tr30	90.66	8.51	12.16	10.76	12.28	0.000795	1.57	57.88	23.65	0.32
Tanna	Tanna2	6	Tr200	151.25	8.51	13.4	11.3	13.55	0.000634	1.73	87.23	23.65	0.29
Tanna	Tanna2	6	Tr500	182.13	8.51	13.92	11.53	14.09	0.00062	1.83	99.55	23.65	0.28
Tanna	Tanna2	7	Tr30	78.56	8.99	12.36	10.85	12.41	0.00041	1.07	73.58	34.76	0.23
Tanna	Tanna2	7	Tr200	129.9	8.99	13.59	11.23	13.65	0.000265	1.12	116.34	34.76	0.19
Tanna	Tanna2	7	Tr500	155.97	8.99	14.12	11.4	14.18	0.000243	1.16	134.75	34.76	0.19
Tanna	Tanna2	8	Tr30	78.56	9.13	12.44	11.28	12.52	0.00069	1.3	60.39	31.62	0.3
Tanna	Tanna2	8	Tr200	129.9	9.13	13.63	11.66	13.72	0.000403	1.27	102.61	35.86	0.24
Tanna	Tanna2	8	Tr500	155.97	9.13	14.16	11.83	14.24	0.000343	1.28	121.41	35.86	0.22
Tanna	Tanna2	9	Tr30	78.56	9.39	12.5	11.47	12.6	0.000873	1.42	55.33	30.47	0.34
Tanna	Tanna2	9	Tr200	129.9	9.39	13.67	11.86	13.76	0.000499	1.37	94.76	34.81	0.27
Tanna	Tanna2	9	Tr500	155.97	9.39	14.19	12.03	14.28	0.000417	1.38	112.78	34.81	0.25
Tanna	Tanna2	11	Tr30	78.56	9.93	12.58	12.2	12.84	0.003336	2.25	34.92	26.25	0.62
Tanna	Tanna2	11	Tr200	129.9	9.93	13.7	12.61	13.89	0.001401	1.92	67.53	33.02	0.43
Tanna	Tanna2	11	Tr500	155.97	9.93	14.21	12.79	14.38	0.001001	1.85	84.35	33.06	0.37
Tanna	Tanna2	12	Tr30	78.56	10.04	12.97	12.58	13.37	0.004181	2.79	28.15	17.37	0.7
Tanna	Tanna2	12	Tr200	129.9	10.04	13.78	13.17	14.24	0.003284	3	43.34	19.13	0.64
Tanna	Tanna2	12	Tr500	155.97	10.04	14.21	13.41	14.68	0.002795	3.03	51.54	19.13	0.59
Tanna	Tanna2	13	Tr30	69.84	10.66	13.63	12.92	13.82	0.001939	1.94	36.05	21.96	0.48
Tanna	Tanna2	13	Tr200	114.95	10.66	14.37	13.37	14.61	0.001641	2.17	52.95	22.87	0.46
Tanna	Tanna2	13	Tr500	137.8	10.66	14.75	13.57	15.01	0.001477	2.24	61.64	22.87	0.43
Tanna	Tanna2	14	Tr30	69.84	10.89	13.79	13.29	14.14	0.00355	2.63	26.59	15.7	0.64
Tanna	Tanna2	14	Tr200	114.95	10.89	14.46	13.89	14.93	0.003528	3.03	37.95	16.98	0.65
Tanna	Tanna2	14	Tr500	137.8	10.89	14.8	14.11	15.31	0.003296	3.15	43.77	16.98	0.63
Tanna	Tanna2	15	Tr30	69.84	11.31	14.15	13.68	14.5	0.003623	2.6	26.81	16.16	0.65
Tanna	Tanna2	15	Tr200	114.95	11.31	14.81	14.22	15.29	0.003567	3.08	37.35	16.16	0.65
Tanna	Tanna2	15	Tr500	137.8	11.31	15.12	14.44	15.66	0.003494	3.25	42.44	16.16	0.64
Tanna	Tanna2	16	Tr30	69.84	11.47	14.5	13.76	14.75	0.002328	2.22	31.46	17.41	0.53
Tanna	Tanna2	16	Tr200	114.95	11.47	15.19	14.32	15.54	0.002346	2.62	43.84	18.2	0.54
Tanna	Tanna2	16	Tr500	137.8	11.47	15.51	14.55	15.91	0.0023	2.77	49.77	18.2	0.53
Tanna	Tanna2	17	Tr30	69.84	11.65	14.69	13.97	14.92	0.002206	2.14	32.68	18.49	0.51

Tanna	Tanna2	17	Tr200	114.95	11.65	15.39	14.49	15.71	0.002137	2.51	45.78	18.66	0.51
Tanna	Tanna2	17	Tr500	137.8	11.65	15.72	14.7	16.08	0.002109	2.66	51.84	18.66	0.51
Tanna	Tanna2	18	Tr30	69.84	12.06	14.89	14.32	15.2	0.003031	2.46	28.38	16.47	0.6
Tanna	Tanna2	18	Tr200	114.95	12.06	15.57	14.87	15.99	0.002991	2.89	39.72	16.82	0.6
Tanna	Tanna2	18	Tr500	137.8	12.06	15.88	15.1	16.36	0.002958	3.06	44.99	16.82	0.6
Tanna	Tanna2	19	Tr30	69.84	12.25	15.19	14.56	15.46	0.002658	2.29	30.52	18.13	0.56
Tanna	Tanna2	19	Tr200	114.95	12.25	15.88	15.1	16.24	0.002506	2.67	43.03	18.13	0.55
Tanna	Tanna2	19	Tr500	137.8	12.25	16.2	15.31	16.6	0.002459	2.82	48.82	18.13	0.55
Tanna	Tanna2	20	Tr30	69.84	12.68	15.45	14.97	15.75	0.003256	2.43	28.78	18.5	0.62
Tanna	Tanna2	20	Tr200	114.95	12.68	16.12	15.47	16.51	0.002892	2.75	41.8	19.5	0.6
Tanna	Tanna2	20	Tr500	137.8	12.68	16.44	15.69	16.86	0.002734	2.87	47.94	19.5	0.59
Tanna	Tanna2	21	Tr30	69.84	13.17	15.67	15.36	16.07	0.004891	2.81	24.89	17.47	0.75
Tanna	Tanna2	21	Tr200	114.95	13.17	16.3	15.92	16.8	0.004288	3.13	36.77	19.09	0.72
Tanna	Tanna2	21	Tr500	137.8	13.17	16.6	16.12	17.13	0.003971	3.25	42.41	19.09	0.7
Tanna	Tanna2	22	Tr30	69.84	13.17	15.89	15.35	16.16	0.002975	2.3	30.32	19.7	0.59
Tanna	Tanna2	22	Tr200	114.95	13.17	16.52	15.86	16.88	0.00275	2.65	43.44	20.71	0.58
Tanna	Tanna2	22	Tr500	137.8	13.17	16.82	16.08	17.21	0.002637	2.78	49.54	20.71	0.57
Tanna	Tanna1	23	Tr30	42.96	13.37	16.3	15.36	16.43	0.001269	1.58	27.24	15.9	0.38
Tanna	Tanna1	23	Tr200	70.74	13.37	16.97	15.81	17.15	0.00127	1.87	37.81	15.9	0.39
Tanna	Tanna1	23	Tr500	84.81	13.37	17.27	15.99	17.47	0.001272	1.99	42.66	15.9	0.39
Tanna	Tanna1	24	Tr30	42.96	13.54	16.51	15.81	16.67	0.00237	1.75	24.61	20.37	0.51
Tanna	Tanna1	24	Tr200	70.74	13.54	17.17	16.24	17.34	0.001628	1.82	38.79	21.73	0.44
Tanna	Tanna1	24	Tr500	84.81	13.54	17.48	16.49	17.66	0.001418	1.86	45.53	21.73	0.41
Tanna	Tanna1	25	Tr30	42.96	13.83	16.75	16.02	16.92	0.00191	1.79	24.04	15.86	0.46
Tanna	Tanna1	25	Tr200	70.74	13.83	17.33	16.5	17.57	0.001915	2.13	33.24	15.86	0.47
Tanna	Tanna1	25	Tr500	84.81	13.83	17.61	16.67	17.87	0.001883	2.25	37.68	15.86	0.47
Tanna	Tanna1	25.1		Culvert									
Tanna	Tanna1	25.2	Tr30	42.96	13.83	17.76	16.02	17.82	0.000404	1.07	40	15.86	0.22
Tanna	Tanna1	25.2	Tr200	70.74	13.83	18.68	16.5	18.76	0.000439	1.3	54.54	15.86	0.22
Tanna	Tanna1	25.2	Tr500	84.81	13.83	19.02	16.67	19.12	0.00048	1.42	59.92	15.86	0.23
Tanna	Tanna1	25.6	Tr30	42.96	13.97	17.81	15.7	17.83	0.000171	0.75	66.21	40.95	0.15
Tanna	Tanna1	25.6	Tr200	70.74	13.97	18.75	16.27	18.78	0.000121	0.78	104.84	40.95	0.14
Tanna	Tanna1	25.6	Tr500	84.81	13.97	19.11	16.5	19.13	0.000117	0.82	119.37	40.95	0.14
Tanna	Tanna1	25.7		Bridge									
Tanna	Tanna1	25.8	Tr30	42.96	13.97	18.06	15.7	18.08	0.000113	0.65	76.57	40.95	0.13
Tanna	Tanna1	25.8	Tr200	70.74	13.97	18.78	16.27	18.8	0.000117	0.77	106.02	40.95	0.13
Tanna	Tanna1	25.8	Tr500	84.81	13.97	19.13	16.5	19.16	0.000114	0.82	120.32	40.95	0.13
Tanna	Tanna1	26	Tr30	42.96	14.54	18.03	16.68	18.11	0.000834	1.25	34.26	20.62	0.31
Tanna	Tanna1	26	Tr200	70.74	14.54	18.74	17.17	18.84	0.000753	1.45	48.81	20.62	0.3
Tanna	Tanna1	26	Tr500	84.81	14.54	19.08	17.38	19.2	0.000715	1.52	55.89	20.62	0.29
Tanna	Tanna1	27	Tr30	42.96	15.38	18.28	17.72	18.45	0.002635	1.81	23.74	20.09	0.53
Tanna	Tanna1	27	Tr200	70.74	15.38	18.93	18.18	19.12	0.001789	1.92	36.81	20.09	0.45
Tanna	Tanna1	27	Tr500	84.81	15.38	19.25	18.32	19.45	0.001549	1.96	43.33	20.09	0.43
Tanna	Tanna1	27.1		Bridge									
Tanna	Tanna1	27.2	Tr30	42.96	15.38	19.17	17.72	19.23	0.000447	1.03	41.74	20.09	0.23
Tanna	Tanna1	27.2	Tr200	70.74	15.38	19.78	18.18	19.87	0.000553	1.31	53.87	20.09	0.26
Tanna	Tanna1	27.2	Tr500	84.81	15.38	19.97	18.32	20.08	0.000644	1.47	57.72	20.09	0.28
Tanna	Tanna1	28	Tr30	42.96	16.76	19.26	18.94	19.58	0.004419	2.47	17.36	13.18	0.69
Tanna	Tanna1	28	Tr200	70.74	16.76	19.87	19.38	20.26	0.003799	2.8	25.28	13.18	0.64
Tanna	Tanna1	28	Tr500	84.81	16.76	20.07	19.57	20.54	0.00406	3.04	27.91	13.18	0.67
Tanna	Tanna1	29	Tr30	42.96	17.36	19.81	19.39	20.1	0.003606	2.4	17.88	11.87	0.62
Tanna	Tanna1	29	Tr200	70.74	17.36	20.35	19.84	20.78	0.003896	2.91	24.3	11.87	0.65
Tanna	Tanna1	29	Tr500	84.81	17.36	20.58	20.03	21.08	0.00409	3.14	27.03	11.87	0.66
Tanna	Tanna1	30	Tr30	42.96	18.09	20.5	20.07	20.8	0.003823	2.44	17.64	12.39	0.65
Tanna	Tanna1	30	Tr200	70.74	18.09	21.08	20.57	21.49	0.003675	2.84	24.89	12.48	0.64
Tanna	Tanna1	30	Tr500	84.81	18.09	21.35	20.76	21.81	0.00364	3	28.23	12.48	0.64
Tanna	Tanna1	31	Tr30	42.96	18.75	21.14	20.8	21.52	0.005216	2.75	15.63	11.23	0.74
Tanna	Tanna1	31	Tr200	70.74	18.75	21.68	21.34	22.22	0.005278	3.25	21.76	11.36	0.75
Tanna	Tanna1	31	Tr500	84.81	18.75	21.93	21.55	22.53	0.005274	3.45	24.61	11.36	0.75
Tanna	Nugola	1	Tr30	26.88	13.53	16.27	15.41	16.36	0.001106	1.32	20.36	13.92	0.35
Tanna	Nugola	1	Tr200	44.21	13.53	16.96	15.76	17.07	0.000921	1.42	31.07	15.62	0.32
Tanna	Nugola	1	Tr500	53	13.53	17.28	15.91	17.39	0.000844	1.47	36.05	15.62	0.31

Tanna	Nugola	2	Tr30	26.88	13.84	16.37	15.68	16.47	0.001593	1.43	18.81	15.39	0.41
Tanna	Nugola	2	Tr200	44.21	13.84	17.04	16.07	17.15	0.00111	1.52	29.14	15.39	0.35
Tanna	Nugola	2	Tr500	53	13.84	17.35	16.2	17.47	0.001005	1.56	33.93	15.39	0.34
Tanna	Nugola	3	Tr30	26.88	13.83	16.52	15.87	16.66	0.002155	1.68	16.05	12.54	0.47
Tanna	Nugola	3	Tr200	44.21	13.83	17.14	16.26	17.3	0.001719	1.78	24.83	14.39	0.43
Tanna	Nugola	3	Tr500	53	13.83	17.44	16.45	17.61	0.001524	1.82	29.1	14.39	0.41
Tanna	Nugola	4	Tr30	26.88	14.47	16.85	16.52	17.09	0.004421	2.17	12.38	11.22	0.66
Tanna	Nugola	4	Tr200	44.21	14.47	17.38	16.92	17.66	0.003628	2.37	18.68	12.68	0.62
Tanna	Nugola	4	Tr500	53	14.47	17.63	17.08	17.93	0.003218	2.41	22	13.04	0.59
Tanna	Nugola	4.1		Culvert									
Tanna	Nugola	4.2	Tr30	26.88	14.47	16.98	16.52	17.17	0.00318	1.94	13.87	11.62	0.57
Tanna	Nugola	4.2	Tr200	44.21	14.47	17.8	16.92	17.97	0.001727	1.83	24.13	13.4	0.44
Tanna	Nugola	4.2	Tr500	53	14.47	18.14	17.08	18.31	0.00147	1.85	28.72	13.4	0.4
Tanna	Nugola	5	Tr30	26.88	16.17	18.1	18.1	18.53	0.010519	2.91	9.24	10.72	1
Tanna	Nugola	5	Tr200	44.21	16.17	18.46	18.46	19.03	0.009982	3.34	13.22	11.63	1
Tanna	Nugola	5	Tr500	53	16.17	18.61	18.61	19.24	0.009823	3.52	15.05	11.94	1
Tavola	Tavola	1	Tr30	23.14	9.58	12.42	10.91	12.45	0.000282	0.77	30.03	16.96	0.18
Tavola	Tavola	1	Tr200	40.17	9.58	12.32	11.24	12.42	0.000985	1.42	28.38	16.46	0.34
Tavola	Tavola	1	Tr500	48.94	9.58	12.31	11.39	12.47	0.001481	1.73	28.26	16.43	0.42
Tavola	Tavola	1.8	Tr30	23.14	9.65	12.47	11.12	12.51	0.000433	0.91	25.35	15.19	0.23
Tavola	Tavola	1.8	Tr200	40.17	9.65	12.5	11.49	12.62	0.001246	1.56	25.74	15.22	0.38
Tavola	Tavola	1.8	Tr500	48.94	9.65	12.57	11.65	12.74	0.001626	1.82	26.87	15.3	0.44
Tavola	Tavola	1.9		Culvert									
Tavola	Tavola	2	Tr30	23.14	9.65	12.68	11.12	12.72	0.000303	0.81	28.61	15.53	0.19
Tavola	Tavola	2	Tr200	40.17	9.65	12.97	11.49	13.04	0.000639	1.21	33.13	16.96	0.28
Tavola	Tavola	2	Tr500	48.94	9.65	13.14	11.65	13.24	0.000729	1.36	36.1	16.96	0.3
Tavola	Tavola	3	Tr30	23.14	9.85	12.76	11.55	12.8	0.000453	0.89	26.01	16.55	0.23
Tavola	Tavola	3	Tr200	40.17	9.85	13.12	11.89	13.2	0.000726	1.26	31.9	16.55	0.29
Tavola	Tavola	3	Tr500	48.94	9.85	13.31	12.03	13.41	0.000803	1.39	35.13	16.55	0.31
Tavola	Tavola	4	Tr30	23.14	10.21	12.9	11.86	12.95	0.000647	1	23.25	16.68	0.27
Tavola	Tavola	4	Tr200	40.17	10.21	13.32	12.22	13.41	0.000857	1.33	30.3	16.68	0.31
Tavola	Tavola	4	Tr500	48.94	10.21	13.53	12.37	13.64	0.000905	1.45	33.85	16.68	0.32
Tavola	Tavola	5	Tr30	23.14	10.54	13.03	12.21	13.11	0.00103	1.19	19.48	15.36	0.34
Tavola	Tavola	5	Tr200	40.17	10.54	13.5	12.55	13.61	0.001217	1.48	27.22	17.12	0.37
Tavola	Tavola	5	Tr500	48.94	10.54	13.71	12.72	13.84	0.001212	1.58	30.96	17.12	0.38
Tora	Tora_2	1	Tr30	234.54	-2.57	4.79	-0.72	4.8	0.000007	0.28	847.04	151.12	0.04
Tora	Tora_2	1	Tr200	376.12	-2.57	4.79	-0.55	4.8	0.000019	0.44	846.65	151.12	0.06
Tora	Tora_2	1	Tr500	446.93	-2.57	4.79	-0.41	4.8	0.000026	0.53	846.31	151.12	0.07
Tora	Tora_2	2	Tr30	234.54	-1.03	4.79	1.89	4.8	0.000014	0.31	729.14	164.99	0.05
Tora	Tora_2	2	Tr200	376.12	-1.03	4.79	2.52	4.81	0.000035	0.5	728.96	164.99	0.08
Tora	Tora_2	2	Tr500	446.93	-1.03	4.79	2.87	4.81	0.00005	0.6	728.74	164.99	0.09
Tora	Tora_2	3	Tr30	234.54	-1.29	4.78	1.32	4.81	0.000088	0.77	303.26	75.83	0.12
Tora	Tora_2	3	Tr200	376.12	-1.29	4.76	1.76	4.84	0.000229	1.25	301.51	75.27	0.2
Tora	Tora_2	3	Tr500	446.93	-1.29	4.74	1.96	4.85	0.000327	1.49	300.26	75.12	0.24
Tora	Tora_2	5.1	Tr30	234.54	-0.9	4.82	1.67	4.84	0.000073	0.66	355.39	98.23	0.11
Tora	Tora_2	5.1	Tr200	376.12	-0.9	4.87	2.04	4.92	0.000179	1.04	359.93	98.36	0.17
Tora	Tora_2	5.1	Tr500	446.93	-0.9	4.9	2.2	4.98	0.000246	1.23	363	98.44	0.2
Tora	Tora_2	5.2		Bridge									
Tora	Tora_2	5.5	Tr30	234.54	-0.9	4.83	1.67	4.85	0.000072	0.66	355.71	98.24	0.11
Tora	Tora_2	5.5	Tr200	376.12	-0.9	4.88	2.04	4.93	0.000178	1.04	360.73	98.38	0.17
Tora	Tora_2	5.5	Tr500	446.93	-0.9	4.91	2.2	4.99	0.000244	1.23	364.11	98.47	0.2
Tora	Tora_2	6	Tr30	234.54	-1.21	4.87	1.72	4.93	0.000182	1.11	211.63	47.95	0.17
Tora	Tora_2	6	Tr200	376.12	-1.21	4.98	2.28	5.14	0.000433	1.73	217.12	47.96	0.26
Tora	Tora_2	6	Tr500	446.93	-1.21	5.06	2.51	5.27	0.000581	2.03	220.63	47.97	0.3
Tora	Tora_2	6.5		Bridge									
Tora	Tora_2	7	Tr30	234.54	-1	4.89	1.79	4.95	0.000178	1.1	212.98	48.23	0.17
Tora	Tora_2	7	Tr200	376.12	-1	5.05	2.3	5.2	0.00041	1.71	220.45	48.25	0.25
Tora	Tora_2	7	Tr500	446.93	-1	5.63	2.52	5.79	0.000399	1.8	248.62	48.34	0.25
Tora	Tora_2	8	Tr30	234.54	-1.37	4.92	1.46	4.96	0.000117	0.91	257.78	61.26	0.14
Tora	Tora_2	8	Tr200	376.12	-1.37	5.11	1.96	5.21	0.000266	1.39	269.69	62.7	0.21
Tora	Tora_2	8	Tr500	446.93	-1.37	5.73	2.18	5.81	0.000196	1.28	381.68	86.49	0.19
Tora	Tora_2	9	Tr30	234.54	-0.03	4.82	2.64	5.09	0.002071	2.29	102.5	51.05	0.52





Tora	Tora	29	Tr30	186.17	5.99	11.75	9.57	11.95	0.000797	2	92.99	26.96	0.34
Tora	Tora	29	Tr200	294.85	5.99	13.75	10.36	13.95	0.000744	1.95	151.52	44.1	0.33
Tora	Tora	29	Tr500	349.07	5.99	14.13	10.71	14.35	0.000838	2.06	171.62	56.57	0.36
Tora	Tora	30	Tr30	186.17	7.1	11.92	9.92	12.08	0.000727	1.73	107.31	37.81	0.33
Tora	Tora	30	Tr200	294.85	7.1	13.97	10.8	13.99	0.000066	0.67	452.15	107.89	0.11
Tora	Tora	30	Tr500	349.07	7.1	14.37	11.05	14.39	0.000069	0.73	495.32	107.89	0.11
Tora	Tora	31	Tr30	186.17	7.19	12.05	9.74	12.18	0.000588	1.65	112.83	36.02	0.3
Tora	Tora	31	Tr200	294.85	7.19	13.97	10.57	14.01	0.000104	0.85	381.9	99.34	0.13
Tora	Tora	31	Tr500	349.07	7.19	14.37	10.87	14.41	0.000106	0.91	421.62	99.34	0.14
Tora	Tora	32	Tr30	186.17	7.05	12.55	9.83	12.67	0.000396	1.54	120.54	28.11	0.24
Tora	Tora	32	Tr200	294.85	7.05	14.11	10.47	14.25	0.000641	1.65	178.42	57.9	0.3
Tora	Tora	32	Tr500	349.07	7.05	14.52	10.76	14.66	0.000666	1.71	209.56	85.76	0.31
Tora	Tora	33	Tr30	186.17	8.14	12.64	10.4	12.71	0.000337	1.17	158.98	56.42	0.22
Tora	Tora	33	Tr200	294.85	8.14	14.22	10.86	14.29	0.000209	1.16	253.33	63.16	0.19
Tora	Tora	33	Tr500	349.07	8.14	14.65	11.07	14.7	0.000128	0.96	383	91.63	0.15
Tora	Tora	34	Tr30	186.17	8.59	12.52	12.08	12.85	0.003286	2.55	73.04	45.93	0.65
Tora	Tora	34	Tr200	294.85	8.59	14.19	12.55	14.35	0.000726	1.8	170.91	63.27	0.33
Tora	Tora	34	Tr500	349.07	8.59	14.59	12.74	14.76	0.000667	1.86	196.25	64.08	0.33
Tora	Tora	35	Tr30	186.17	9.58	12.55	12.14	12.89	0.003401	2.58	72.04	45.6	0.66
Tora	Tora	35	Tr200	294.85	9.58	14.19	12.59	14.36	0.000793	1.83	165.83	61.15	0.35
Tora	Tora	35	Tr500	349.07	9.58	14.59	12.79	14.76	0.000724	1.89	190.24	61.94	0.34
Tora	Tora	36	Tr30	186.17	10.2	13.55	12.59	13.79	0.001565	2.16	86.2	39.72	0.47
Tora	Tora	36	Tr200	294.85	10.2	14.52	13.12	14.75	0.001103	2.16	144.87	58.92	0.41
Tora	Tora	36	Tr500	349.07	10.2	14.89	13.35	15.12	0.001018	2.22	166.5	59.66	0.4
Tora	Tora	37	Tr30	186.17	10.38	13.86	12.38	14	0.000822	1.62	114.7	48.57	0.34
Tora	Tora	37	Tr200	294.85	10.38	14.77	12.99	14.91	0.000692	1.71	182.6	73.27	0.32
Tora	Tora	37	Tr500	349.07	10.38	15.13	13.22	15.28	0.000645	1.77	208.88	73.93	0.31
Tora	Tora	37.1	Tr30	186.17	10	13.79	12.75	14.06	0.002235	2.34	79.68	42.07	0.54
Tora	Tora	37.1	Tr200	294.85	10	14.67	13.59	14.98	0.001674	2.5	118.03	45.07	0.49
Tora	Tora	37.1	Tr500	349.07	10	15.01	13.81	15.36	0.001625	2.61	133.69	46.66	0.49
Tora	Tora	37.2		Bridge									
Tora	Tora	38	Tr30	186.17	10	13.81	12.75	14.08	0.002147	2.31	80.71	42.15	0.53
Tora	Tora	38	Tr200	294.85	10	14.69	13.59	15	0.00163	2.48	119.08	45.15	0.49
Tora	Tora	38	Tr500	349.07	10	15.03	13.81	15.37	0.001585	2.59	134.85	46.8	0.49
Tora	Tora	39	Tr30	186.17	10.75	13.77	13.29	14.15	0.003405	2.75	67.68	38.92	0.67
Tora	Tora	39	Tr200	294.85	10.75	14.64	13.83	15.06	0.002348	2.86	103.03	41.88	0.58
Tora	Tora	39	Tr500	349.07	10.75	14.98	14.06	15.43	0.002212	2.97	117.47	43.03	0.57
Tora	Tora	40	Tr30	186.17	8.69	14.01	11.43	14.19	0.000842	1.9	98	29.47	0.33
Tora	Tora	40	Tr200	294.85	8.69	14.81	12.24	15.1	0.001399	2.37	124.47	39.98	0.43
Tora	Tora	40	Tr500	349.07	8.69	15.15	12.58	15.47	0.001566	2.5	139.35	45.5	0.46
Tora	Tora	40.5		Bridge									
Tora	Tora	41	Tr30	186.17	8.43	14.5	11.41	14.63	0.000611	1.63	114.3	33.86	0.28
Tora	Tora	41	Tr200	294.85	8.43	15.37	12.19	15.57	0.00087	1.98	148.82	43.69	0.34
Tora	Tora	41	Tr500	349.07	8.43	15.64	12.53	15.79	0.000776	1.85	205.07	77.86	0.32
Tora	Tora	42	Tr30	186.17	10.71	14.93	14.09	15.27	0.002269	2.58	72.07	31.87	0.55
Tora	Tora	42	Tr200	294.85	10.71	15.9	14.7	16.3	0.001902	2.82	104.66	35.45	0.52
Tora	Tora	42	Tr500	349.07	10.71	16.06	14.98	16.57	0.002277	3.16	110.52	36.05	0.58
Tora	Tora	43	Tr30	164.48	11.8	15.41	14.29	15.58	0.001105	1.83	89.86	40.62	0.39
Tora	Tora	43	Tr200	259.77	11.8	16.36	14.76	16.56	0.000901	2	130.18	44.04	0.37
Tora	Tora	43	Tr500	307.26	11.8	16.63	14.97	16.87	0.000969	2.16	142.22	45.02	0.39
Tora	Tora	44	Tr30	164.48	11.7	15.62	13.79	15.65	0.00017	0.72	227.04	103.66	0.16
Tora	Tora	44	Tr200	259.77	11.7	16.59	14.07	16.62	0.000129	0.79	329.28	106.99	0.14
Tora	Tora	44	Tr500	307.26	11.7	16.9	14.19	16.93	0.000133	0.85	362.09	108.03	0.15
Tora Vecchia	Tora Vecchia 1	1	Tr30	15.67	-0.88	4.52	-0.27	4.52	0.000002	0.11	154.41	39.63	0.02
Tora Vecchia	Tora Vecchia 1	1	Tr200	23.6	-0.88	5.46	-0.14	5.46	0.000002	0.13	191.71	39.63	0.02
Tora Vecchia	Tora Vecchia 1	1	Tr500	27.56	-0.88	5.87	-0.08	5.87	0.000002	0.14	208.1	39.63	0.02
Tora Vecchia	Tora Vecchia 1	2	Tr30	15.67	-0.84	4.52	-0.11	4.52	0.000003	0.13	128.28	35.99	0.02
Tora Vecchia	Tora Vecchia 1	2	Tr200	23.6	-0.84	5.46	0.1	5.46	0.000003	0.16	162.15	35.99	0.02
Tora Vecchia	Tora Vecchia 1	2	Tr500	27.56	-0.84	5.87	0.2	5.87	0.000003	0.17	177.04	35.99	0.02
Tora Vecchia	Tora Vecchia 1	4	Tr30	15.67	-0.75	4.52	0.03	4.52	0.000003	0.15	112.74	30.02	0.02
Tora Vecchia	Tora Vecchia 1	4	Tr200	23.6	-0.75	5.46	0.26	5.46	0.000004	0.18	140.99	30.02	0.03
Tora Vecchia	Tora Vecchia 1	4	Tr500	27.56	-0.75	5.87	0.36	5.87	0.000004	0.19	153.4	30.02	0.03
Tora Vecchia	Tora Vecchia 1	5	Tr30	15.67	-0.61	4.52	0.19	4.52	0.000004	0.15	110.75	29.99	0.02

Tora Vecchia	Tora Vecchia 1	5	Tr200	23.6	-0.61	5.46	0.41	5.46	0.000004	0.18	138.97	29.99	0.03
Tora Vecchia	Tora Vecchia 1	5	Tr500	27.56	-0.61	5.87	0.63	5.87	0.000004	0.19	151.37	29.99	0.03
Tora Vecchia	Tora Vecchia 1	7	Tr30	15.67	-0.47	4.52	0.34	4.52	0.000004	0.16	106.04	30	0.03
Tora Vecchia	Tora Vecchia 1	7	Tr200	23.6	-0.47	5.46	0.64	5.46	0.000004	0.19	134.27	30	0.03
Tora Vecchia	Tora Vecchia 1	7	Tr500	27.56	-0.47	5.87	0.73	5.87	0.000004	0.2	146.68	30	0.03
Tora Vecchia	Tora Vecchia 1	8	Tr30	15.67	-0.39	4.52	0.66	4.52	0.000004	0.16	102.97	30	0.03
Tora Vecchia	Tora Vecchia 1	8	Tr200	23.6	-0.39	5.46	0.84	5.46	0.000005	0.19	131.2	30	0.03
Tora Vecchia	Tora Vecchia 1	8	Tr500	27.56	-0.39	5.87	0.9	5.87	0.000005	0.2	143.61	30	0.03
Tora Vecchia	Tora Vecchia 1	9	Tr30	15.67	-0.32	4.52	0.82	4.52	0.000005	0.16	101.47	30	0.03
Tora Vecchia	Tora Vecchia 1	9	Tr200	23.6	-0.32	5.46	0.98	5.46	0.000005	0.19	129.7	30	0.03
Tora Vecchia	Tora Vecchia 1	9	Tr500	27.56	-0.32	5.87	1.04	5.87	0.000005	0.21	142.11	30	0.03
Tora Vecchia	Tora Vecchia 1	10	Tr30	15.67	-0.27	4.52	0.61	4.52	0.000004	0.16	101.78	30	0.03
Tora Vecchia	Tora Vecchia 1	10	Tr200	23.6	-0.27	5.46	0.89	5.46	0.000005	0.19	130.01	30	0.03
Tora Vecchia	Tora Vecchia 1	10	Tr500	27.56	-0.27	5.87	0.96	5.87	0.000005	0.2	142.42	30	0.03
Tora Vecchia	Tora Vecchia 1	11	Tr30	15.67	-0.24	4.52	0.89	4.52	0.000004	0.16	102.74	30	0.03
Tora Vecchia	Tora Vecchia 1	11	Tr200	23.6	-0.24	5.46	1.04	5.46	0.000005	0.2	130.97	30	0.03
Tora Vecchia	Tora Vecchia 1	11	Tr500	27.56	-0.24	5.87	1.11	5.87	0.000005	0.21	143.39	30	0.03
Tora Vecchia	Tora Vecchia 1	12	Tr30	15.67	-0.11	4.52	1.16	4.52	0.000004	0.16	114.33	31.29	0.03
Tora Vecchia	Tora Vecchia 1	12	Tr200	23.6	-0.11	5.46	1.27	5.46	0.000005	0.19	143.78	31.29	0.03
Tora Vecchia	Tora Vecchia 1	12	Tr500	27.56	-0.11	5.87	1.34	5.88	0.000005	0.21	156.73	31.29	0.03
Tora Vecchia	Tora Vecchia 1	13	Tr30	15.67	-0.06	4.52	1.38	4.52	0.000004	0.15	114.99	31.77	0.03
Tora Vecchia	Tora Vecchia 1	13	Tr200	23.6	-0.06	5.46	1.39	5.46	0.000004	0.19	144.9	31.77	0.03
Tora Vecchia	Tora Vecchia 1	13	Tr500	27.56	-0.06	5.87	1.39	5.88	0.000005	0.2	158.04	31.77	0.03
Tora Vecchia	Tora Vecchia 1	14	Tr30	15.67	-0.07	4.52	1.31	4.52	0.000004	0.16	110.93	30.07	0.03
Tora Vecchia	Tora Vecchia 1	14	Tr200	23.6	-0.07	5.46	1.36	5.46	0.000005	0.2	139.23	30.07	0.03
Tora Vecchia	Tora Vecchia 1	14	Tr500	27.56	-0.07	5.87	1.36	5.88	0.000005	0.22	151.68	30.07	0.03
Tora Vecchia	Tora Vecchia 1	15	Tr30	15.67	0.22	4.52	1.45	4.52	0.000005	0.17	108.59	31.42	0.03
Tora Vecchia	Tora Vecchia 1	15	Tr200	23.6	0.22	5.46	1.45	5.46	0.000005	0.2	138.16	31.42	0.03
Tora Vecchia	Tora Vecchia 1	15	Tr500	27.56	0.22	5.88	1.5	5.88	0.000005	0.22	151.17	31.42	0.03
Tora Vecchia	Tora Vecchia 1	16	Tr30	15.67	0.13	4.52	1.46	4.52	0.000005	0.17	104.08	30	0.03
Tora Vecchia	Tora Vecchia 1	16	Tr200	23.6	0.13	5.46	1.46	5.46	0.000006	0.21	132.32	30	0.03
Tora Vecchia	Tora Vecchia 1	16	Tr500	27.56	0.13	5.88	1.46	5.88	0.000006	0.23	144.74	30	0.03
Tora Vecchia	Tora Vecchia 1	17	Tr30	15.67	0.36	4.52	1.73	4.52	0.000007	0.19	94.32	30	0.03
Tora Vecchia	Tora Vecchia 1	17	Tr200	23.6	0.36	5.46	1.87	5.46	0.000007	0.22	122.56	30	0.03
Tora Vecchia	Tora Vecchia 1	17	Tr500	27.56	0.36	5.88	1.87	5.88	0.000007	0.24	134.98	30	0.04
Tora Vecchia	Tora Vecchia 1	18	Tr30	15.67	0.22	4.52	1.62	4.52	0.000003	0.13	138.73	44.59	0.02
Tora Vecchia	Tora Vecchia 1	18	Tr200	23.6	0.22	5.46	1.76	5.47	0.000003	0.15	180.73	44.59	0.02
Tora Vecchia	Tora Vecchia 1	18	Tr500	27.56	0.22	5.88	1.8	5.88	0.000003	0.16	199.19	44.59	0.02
Tora Vecchia	Tora Vecchia 1	18.5		Culvert									
Tora Vecchia	Tora Vecchia 1	19	Tr30	15.67	0.23	4.53	1.53	4.53	0.000007	0.19	92.1	30	0.03
Tora Vecchia	Tora Vecchia 1	19	Tr200	23.6	0.23	5.47	1.7	5.47	0.000007	0.22	120.36	30	0.03
Tora Vecchia	Tora Vecchia 1	19	Tr500	27.56	0.23	5.88	1.78	5.88	0.000007	0.23	132.73	30	0.03
Tora Vecchia	Tora Vecchia 1	20	Tr30	15.67	0.31	4.53	1.54	4.53	0.000006	0.18	97.76	30	0.03
Tora Vecchia	Tora Vecchia 1	20	Tr200	23.6	0.31	5.47	1.85	5.47	0.000006	0.21	126.02	30	0.03
Tora Vecchia	Tora Vecchia 1	20	Tr500	27.56	0.31	5.88	1.9	5.89	0.000007	0.23	138.39	30	0.03
Tora Vecchia	Tora Vecchia 1	21	Tr30	15.67	1.37	4.53	2.96	4.53	0.000044	0.33	53.46	30	0.07
Tora Vecchia	Tora Vecchia 1	21	Tr200	23.6	1.37	5.47	3.06	5.48	0.000026	0.33	81.73	30	0.06
Tora Vecchia	Tora Vecchia 1	21	Tr500	27.56	1.37	5.88	3.12	5.89	0.000023	0.33	94.1	30	0.06
Tora Vecchia	Tora Vecchia 1	22	Tr30	15.67	1.81	4.54	3.19	4.55	0.000044	0.32	52.76	30	0.07
Tora Vecchia	Tora Vecchia 1	22	Tr200	23.6	1.81	5.48	3.26	5.49	0.000026	0.32	80.86	30	0.06
Tora Vecchia	Tora Vecchia 1	22	Tr500	27.56	1.81	5.89	3.26	5.9	0.000023	0.33	93.19	30	0.06
Tora Vecchia	Tora Vecchia 1	23	Tr30	15.67	2.3	4.55	3.33	4.57	0.000141	0.49	31.74	20.51	0.13
Tora Vecchia	Tora Vecchia 1	23	Tr200	23.6	2.3	5.49	3.47	5.5	0.000074	0.46	50.82	20.51	0.09
Tora Vecchia	Tora Vecchia 1	23	Tr500	27.56	2.3	5.9	3.53	5.91	0.000063	0.47	59.23	20.51	0.09
Tora Vecchia	Tora Vecchia 1	24	Tr30	15.67	3.12	4.51	4.26	4.76	0.005371	2.24	6.98	6.39	0.69
Tora Vecchia	Tora Vecchia 1	24	Tr200	23.6	3.12	5.43	4.53	5.6	0.002071	1.83	12.93	6.39	0.41
Tora Vecchia	Tora Vecchia 1	24	Tr500	27.56	3.12	5.84	4.65	6	0.001703	1.77	15.53	6.39	0.36
Ugione	valle	0	Tr30	159.75	-1.18	2.37	2.37	3.38	0.007457	4.92	37.61	17.78	0.83
Ugione	valle	0	Tr200	274.2	-1.18	3.52	3.52	4.29	0.004827	4.77	78.8	42.3	0.7
Ugione	valle	0	Tr500	335.07	-1.18	3.74	3.74	4.62	0.005214	5.11	88.23	42.3	0.74
Ugione	valle	0.5	Tr30	159.75	-1.18	3.4	2.37	3.7	0.001976	3	73.69	42.3	0.45
Ugione	valle	0.5	Tr200	274.2	-1.18	4.16	3.52	4.55	0.002028	3.37	106.09	42.3	0.47
Ugione	valle	0.5	Tr500	335.07	-1.18	4.45	3.74	4.9	0.002185	3.62	118.27	42.3	0.49

Ugione	valle	0.6	Tr30	159.75	-1.18	3.43	2.37	3.73	0.00187	2.93	75.17	42.3	0.44
Ugione	valle	0.6	Tr200	274.2	-1.18	4.19	3.52	4.57	0.001955	3.32	107.41	42.3	0.46
Ugione	valle	0.6	Tr500	335.07	-1.18	4.48	3.74	4.92	0.002107	3.57	119.7	42.3	0.48
Ugione	valle	0.7		Bridge									
Ugione	valle	0.8	Tr30	159.75	-1.25	3.79	2.28	4.05	0.001071	2.57	84.68	46.6	0.38
Ugione	valle	0.8	Tr200	274.2	-1.25	4.34	3.77	4.76	0.001592	3.37	110.32	46.6	0.47
Ugione	valle	0.8	Tr500	335.07	-1.25	4.64	4.02	5.12	0.001712	3.63	124.24	46.6	0.49
Ugione	valle	1	Tr30	159.75	-1.25	3.9	2.28	4.13	0.000929	2.43	89.67	46.6	0.35
Ugione	valle	1	Tr200	274.2	-1.25	4.52	3.77	4.87	0.00131	3.13	118.44	46.6	0.43
Ugione	valle	1	Tr500	335.07	-1.25	4.83	4.02	5.23	0.001412	3.37	133.01	46.6	0.45
Ugione	valle	1.1		Bridge									
Ugione	valle	1.2	Tr30	159.75	-0.91	4.54	1.77	4.65	0.000278	1.54	118.5	31.79	0.22
Ugione	valle	1.2	Tr200	274.2	-0.91	5.65	2.58	5.82	0.000373	2.03	168.02	42.03	0.26
Ugione	valle	1.2	Tr500	335.07	-0.91	5.94	2.93	6.16	0.000458	2.32	180.06	42.03	0.29
Ugione	valle	1.3	Tr30	159.75	-0.91	4.55	1.77	4.65	0.000277	1.53	118.73	31.8	0.22
Ugione	valle	1.3	Tr200	274.2	-0.91	5.69	2.58	5.83	0.000324	1.9	184.89	49.33	0.25
Ugione	valle	1.3	Tr500	335.07	-0.91	5.99	2.93	6.17	0.00039	2.15	199.75	49.33	0.27
Ugione	valle	1.4		Bridge									
Ugione	valle	1.5	Tr30	159.75	-0.91	4.57	1.77	4.67	0.000272	1.53	119.38	31.86	0.22
Ugione	valle	1.5	Tr200	274.2	-0.91	5.7	2.58	5.85	0.000321	1.9	185.55	49.33	0.24
Ugione	valle	1.5	Tr500	335.07	-0.91	6	2.93	6.19	0.000386	2.15	200.44	49.33	0.27
Ugione	valle	1.6	Tr30	159.75	-0.91	4.58	1.77	4.68	0.000271	1.52	119.55	31.87	0.22
Ugione	valle	1.6	Tr200	274.2	-0.91	5.71	2.58	5.85	0.00032	1.89	185.87	49.33	0.24
Ugione	valle	1.6	Tr500	335.07	-0.91	6.01	2.93	6.19	0.000384	2.14	200.83	49.33	0.27
Ugione	valle	1.8	Tr30	159.75	-0.49	4.6	1.94	4.7	0.000287	1.55	117.9	32	0.23
Ugione	valle	1.8	Tr200	274.2	-0.49	5.79	2.69	5.88	0.000214	1.55	237.44	65.8	0.2
Ugione	valle	1.8	Tr500	335.07	-0.49	6.12	3.04	6.23	0.000247	1.73	258.96	65.8	0.22
Ugione	valle	2	Tr30	159.75	-0.27	4.61	2.08	4.74	0.000387	1.7	104.8	32.09	0.25
Ugione	valle	2	Tr200	274.2	-0.27	5.8	2.93	5.91	0.00029	1.72	209.63	62.88	0.23
Ugione	valle	2	Tr500	335.07	-0.27	6.13	3.32	6.26	0.000331	1.9	230.25	62.88	0.25
Ugione	valle	2.1	Tr30	159.75	-0.2	4.6	2.5	4.75	0.000472	1.86	98.81	30.61	0.29
Ugione	valle	2.1	Tr200	274.2	-0.2	5.79	3.28	5.92	0.000345	1.87	195.69	59	0.25
Ugione	valle	2.1	Tr500	335.07	-0.2	6.12	3.64	6.27	0.000393	2.08	214.91	59	0.27
Ugione	valle	2.2	Tr30	159.75	-0.15	4.65	2.52	4.79	0.00046	1.85	99.77	30.75	0.28
Ugione	valle	2.2	Tr200	274.2	-0.15	5.82	3.3	5.95	0.000338	1.86	197.23	59	0.25
Ugione	valle	2.2	Tr500	335.07	-0.15	6.16	3.65	6.31	0.000383	2.06	216.75	59	0.27
Ugione	valle	2.3	Tr30	159.75	-0.09	4.68	2.66	4.85	0.000527	1.98	94.84	30.28	0.3
Ugione	valle	2.3	Tr200	274.2	-0.09	5.87	3.48	5.98	0.000322	1.82	204.37	58.92	0.25
Ugione	valle	2.3	Tr500	335.07	-0.09	6.21	3.85	6.35	0.000365	2.01	224.26	58.92	0.26
Ugione	valle	2.4	Tr30	159.75	-0.08	4.66	3.36	4.94	0.001136	2.48	73.19	27.77	0.41
Ugione	valle	2.4	Tr200	274.2	-0.08	5.93	4.2	6.01	0.000295	1.54	226.69	66.25	0.22
Ugione	valle	2.4	Tr500	335.07	-0.08	6.28	4.57	6.38	0.000326	1.69	249.72	66.25	0.23
Ugione	valle	2.5	Tr30	111.85	-0.07	4.9	2.24	4.97	0.000215	1.31	101.22	30.92	0.19
Ugione	valle	2.5	Tr200	195.69	-0.07	5.96	2.95	6.02	0.000152	1.26	209.64	58.92	0.17
Ugione	valle	2.5	Tr500	240.43	-0.07	6.32	3.27	6.38	0.000173	1.4	230.52	58.92	0.18
Ugione	valle	2.7		Bridge									
Ugione	valle	3	Tr30	111.85	-0.06	4.98	2.25	5.02	0.000127	1.02	151.94	58.92	0.15
Ugione	valle	3	Tr200	195.69	-0.06	5.99	2.95	6.04	0.000149	1.25	211.03	58.92	0.17
Ugione	valle	3	Tr500	240.43	-0.06	6.34	3.27	6.41	0.00017	1.39	231.99	58.92	0.18
Ugione	valle	4	Tr30	111.85	0.02	5.01	2.15	5.04	0.000095	0.88	174.06	63.62	0.13
Ugione	valle	4	Tr200	195.69	0.02	6.02	2.83	6.06	0.000114	1.1	238.24	63.62	0.15
Ugione	valle	4	Tr500	240.43	0.02	6.38	3.14	6.43	0.000131	1.22	261.19	63.62	0.16
Ugione	valle	4.5		Bridge									
Ugione	valle	5	Tr30	111.85	0.03	5.14	2.3	5.16	0.000075	0.79	187.78	59.3	0.12
Ugione	valle	5	Tr200	195.69	0.03	6.48	2.98	6.51	0.000077	0.95	267.34	59.3	0.12
Ugione	valle	5	Tr500	240.43	0.03	7.08	3.31	7.11	0.00008	1.02	302.83	59.3	0.13
Ugione	valle	6	Tr30	111.85	0.05	5.14	2.3	5.16	0.000078	0.81	183.69	58	0.12
Ugione	valle	6	Tr200	195.69	0.05	6.48	2.98	6.51	0.000081	0.97	261.5	58	0.13
Ugione	valle	6	Tr500	240.43	0.05	7.08	3.32	7.12	0.000083	1.05	296.2	58	0.13
Ugione	valle	7	Tr30	111.85	0.1	5.15	2.35	5.17	0.000073	0.78	191.01	59.75	0.11
Ugione	valle	7	Tr200	195.69	0.1	6.49	3.02	6.52	0.000076	0.93	271.23	59.75	0.12
Ugione	valle	7	Tr500	240.43	0.1	7.09	3.34	7.13	0.000078	1.01	307.02	59.75	0.12



Ugione	medio	30.77	Tr30	61.9	2.78	6.36	4.98	6.46	0.000546	1.57	58.16	50	0.28
Ugione	medio	30.77	Tr200	107.81	2.78	7.2	5.67	7.27	0.000386	1.54	99.79	50	0.25
Ugione	medio	30.77	Tr500	132.43	2.78	7.8	6.3	7.86	0.000267	1.41	129.84	50	0.21
Ugione	medio	30.8	Tr30	61.9	2.78	6.37	4.98	6.46	0.000544	1.57	58.22	50	0.28
Ugione	medio	30.8	Tr200	107.81	2.78	7.2	5.67	7.28	0.000385	1.54	99.83	50	0.25
Ugione	medio	30.8	Tr500	132.43	2.78	7.8	5.76	7.86	0.000267	1.41	129.87	50	0.21
Ugione	medio	31	Tr30	61.9	2.8	6.32	5.48	6.49	0.001274	2.12	38.18	25	0.39
Ugione	medio	31	Tr200	107.81	2.8	7.11	6.21	7.32	0.001182	2.4	58.06	25	0.4
Ugione	medio	31	Tr500	132.43	2.8	7.71	6.4	7.91	0.000905	2.32	73.07	25	0.35
Ugione	medio	37	Tr30	61.9	4.97	7.8	7.61	8.34	0.00676	3.25	19.07	12.78	0.85
Ugione	medio	37	Tr200	107.81	4.97	8.43	8.38	9.05	0.006123	3.6	33.21	25	0.84
Ugione	medio	37	Tr500	132.43	4.97	8.68	8.59	9.34	0.005629	3.76	39.55	25	0.83
Ugione	medio	38	Tr30	61.9	5.51	8.73	8.12	9.11	0.003659	2.73	22.7	11.82	0.63
Ugione	medio	38	Tr200	107.81	5.51	9.27	8.86	9.95	0.005391	3.66	29.45	13.08	0.78
Ugione	medio	38	Tr500	132.43	5.51	9.47	9.2	10.34	0.006454	4.13	32.04	13.53	0.86
Ugione	medio	40	Tr30	61.9	5.97	9.21	8.59	9.58	0.003542	2.69	23.02	12.01	0.62
Ugione	medio	40	Tr200	107.81	5.97	10.06	9.32	10.52	0.00332	3.04	37.6	18.94	0.62
Ugione	medio	40	Tr500	132.43	5.97	10.45	9.65	10.93	0.003044	3.15	45	19.3	0.6
Ugione	medio	44	Tr30	61.9	7.96	11.21	10.58	11.56	0.003416	2.62	23.64	12.76	0.61
Ugione	medio	44	Tr200	107.81	7.96	11.98	11.31	12.4	0.003271	2.95	40.59	25	0.62
Ugione	medio	44	Tr500	132.43	7.96	12.25	11.63	12.72	0.003224	3.15	47.29	25	0.63
Ugione	medio	46	Tr30	61.9	8.24	11.49	10.86	11.84	0.003462	2.63	23.53	12.74	0.62
Ugione	medio	46	Tr200	107.81	8.24	12.24	11.59	12.67	0.003399	2.98	40.02	25	0.63
Ugione	medio	46	Tr500	132.43	8.24	12.5	11.91	12.99	0.003363	3.19	46.59	25	0.64
Ugione	medio	46.3	Tr30	61.9	8.48	11.74	11	12.09	0.003499	2.63	23.57	11.92	0.6
Ugione	medio	46.3	Tr200	107.81	8.48	12.43	11.8	12.99	0.004425	3.31	32.55	14	0.69
Ugione	medio	46.3	Tr500	132.43	8.48	12.65	12.14	13.35	0.005201	3.71	35.7	14.66	0.76
Ugione	medio	46.4	Tr30	61.9	8.51	11.75	11.07	12.14	0.003948	2.75	22.54	11.44	0.62
Ugione	medio	46.4	Tr200	107.81	8.51	12.44	11.89	13.05	0.004995	3.46	31.16	13.51	0.73
Ugione	medio	46.4	Tr500	132.43	8.51	12.67	12.24	13.43	0.005855	3.87	34.21	14.18	0.8
Ugione	medio	46.5		Bridge									
Ugione	medio	46.8	Tr30	61.9	8.52	12.02	11.08	12.32	0.002786	2.41	25.64	12.24	0.53
Ugione	medio	46.8	Tr200	107.81	8.52	13.81	11.89	13.96	0.000819	1.83	67.42	25	0.32
Ugione	medio	46.8	Tr500	132.43	8.52	15.14	12.25	15.24	0.000369	1.53	100.74	25	0.22
Ugione	medio	48	Tr30	61.9	8.64	12.33	11.07	12.37	0.000301	0.95	71.97	36.14	0.19
Ugione	medio	48	Tr200	107.81	8.64	13.95	11.6	13.98	0.000143	0.92	130.4	36.14	0.15
Ugione	medio	48	Tr500	132.43	8.64	15.23	11.6	15.26	0.000084	0.84	176.65	36.14	0.12
Ugione	medio	48.1	Tr30	61.9	9.24	12.33	11.6	12.37	0.000382	0.98	67.04	36.11	0.21
Ugione	medio	48.1	Tr200	107.81	9.24	13.95	11.6	13.99	0.000163	0.93	125.49	36.11	0.15
Ugione	medio	48.1	Tr500	132.43	9.24	15.23	11.6	15.26	0.000092	0.85	171.73	36.11	0.12
Ugione	medio	50	Tr30	61.9	9.27	12.33	11.52	12.38	0.00041	1.02	69.28	42.82	0.23
Ugione	medio	50	Tr200	107.81	9.27	13.96	11.7	13.99	0.000141	0.88	138.75	42.82	0.15
Ugione	medio	50	Tr500	132.43	9.27	15.24	11.7	15.26	0.000075	0.78	193.54	42.82	0.11
Ugione	medio	55	Tr30	61.9	9.52	12.33	11.8	12.46	0.001385	1.72	40.56	27.13	0.41
Ugione	medio	55	Tr200	107.81	9.52	13.94	12.05	14.02	0.000382	1.37	89.02	30.05	0.24
Ugione	medio	55	Tr500	132.43	9.52	15.22	12.05	15.28	0.000188	1.19	127.49	30.05	0.18
Ugione	medio	57	Tr30	61.9	9.58	12.39	11.87	12.49	0.001008	1.46	45.89	28.29	0.35
Ugione	medio	57	Tr200	107.81	9.58	13.97	12.12	14.03	0.000297	1.17	106.05	46.35	0.21
Ugione	medio	57	Tr500	132.43	9.58	15.25	12.12	15.29	0.000123	0.94	165.36	46.35	0.14
Ugione	medio	68.2	Tr30	61.9	10.23	12.65	12.65	13.43	0.00913	3.92	15.79	10.08	1
Ugione	medio	68.2	Tr200	107.81	10.23	13.92	13.42	14.26	0.00278	2.76	44.34	25.9	0.58
Ugione	medio	68.2	Tr500	132.43	10.23	15.23	13.73	15.37	0.000774	1.83	79.29	27.76	0.32
Ugione	medio	69	Tr30	61.9	12.33	14.82	14.82	15.64	0.009392	4.01	15.42	9.4	1
Ugione	medio	69	Tr200	107.81	12.33	15.98	15.63	16.34	0.003153	2.88	42.97	25.83	0.61
Ugione	medio	69	Tr500	132.43	12.33	16.04	15.83	16.54	0.004244	3.4	44.72	25.91	0.71

#### CULVERT

River	Reach	River Sta	Profile	E.G. US. (m)	W.S. US. (m)	E.G. IC (m)	E.G. OC (m)	Min El Weir Flow (m)	Q C. Group (m3/s)	Q Weir (m3/s)	Delta WS (m)	C. Vel US (m/s)	C. Vel DS (m/s)
A.Salsa	A.Salsa	6.5 C. #2	Tr30	3.18	3.17	0.2	3.18	2.06	1.87	37.38	0.01	0.45	0.45
A.Salsa	A.Salsa	6.5 C.1	Tr30	3.18	3.17	-0.65	3.17	2.06	8.86	37.38	0.01	0.48	0.48
A.Salsa	A.Salsa	6.5 C. #3	Tr30	3.18	3.17	0.2	3.18	2.06	1.87	37.38	0.01	0.45	0.45
A.Salsa	A.Salsa	6.5 C. #2	Tr200	3.57	3.55	0.4	3.58	2.06	2.8	86.27	0.01	0.67	0.67
A.Salsa	A.Salsa	6.5 C.1	Tr200	3.57	3.55	-0.36	3.57	2.06	13.12	86.27	0.01	0.71	0.71
A.Salsa	A.Salsa	6.5 C. #3	Tr200	3.57	3.55	0.4	3.58	2.06	2.8	86.27	0.01	0.67	0.67

A.Salsa	A.Salsa	6.5	C. #2	Tr500	3.65	3.61	0.55	3.65	2.06	3.54	108.52	0.03	0.85	0.85
A.Salsa	A.Salsa	6.5	C.1	Tr500	3.65	3.61	-0.11	3.65	2.06	17.23	108.52	0.03	0.93	0.93
A.Salsa	A.Salsa	6.5	C. #3	Tr500	3.65	3.61	0.55	3.65	2.06	3.54	108.52	0.03	0.85	0.85
A.Salsa	A.Salsa	8.5	C. #2	Tr30	3.2	3.19	0.18	3.2	2.06	1.83	37.68	0.01	0.44	0.44
A.Salsa	A.Salsa	8.5	C.1	Tr30	3.2	3.19	-0.67	3.2	2.06	8.65	37.68	0.01	0.47	0.47
A.Salsa	A.Salsa	8.5	C. #3	Tr30	3.2	3.19	0.18	3.2	2.06	1.83	37.68	0.01	0.44	0.44
A.Salsa	A.Salsa	8.5	C. #2	Tr200	3.62	3.59	0.45	3.62	2.06	3.02	84.78	0.01	0.73	0.73
A.Salsa	A.Salsa	8.5	C.1	Tr200	3.62	3.59	-0.29	3.62	2.06	14.17	84.78	0.01	0.76	0.76
A.Salsa	A.Salsa	8.5	C. #3	Tr200	3.62	3.59	0.45	3.62	2.06	3.02	84.78	0.01	0.73	0.73
A.Salsa	A.Salsa	8.5	C. #2	Tr500	3.72	3.68	0.62	3.72	2.06	3.89	106.84	0.03	0.94	0.94
A.Salsa	A.Salsa	8.5	C.1	Tr500	3.72	3.68	-0.05	3.72	2.06	18.22	106.84	0.03	0.98	0.98
A.Salsa	A.Salsa	8.5	C. #3	Tr500	3.72	3.68	0.62	3.72	2.06	3.89	106.84	0.03	0.94	0.94
A.Salsa	A.Salsa	10.5	C.	Tr30	3.22	3.21	0.18	3.22	2.06	1.79	37.93	0	0.43	0.43
A.Salsa	A.Salsa	10.5	C.1	Tr30	3.22	3.21	-0.68	3.22	2.06	8.47	37.93	0	0.46	0.46
A.Salsa	A.Salsa	10.5	C.	Tr30	3.22	3.21	0.18	3.22	2.06	1.79	37.93	0	0.43	0.43
A.Salsa	A.Salsa	10.5	C.	Tr200	3.68	3.66	0.45	3.68	2.06	3.05	84.61	0.02	0.73	0.73
A.Salsa	A.Salsa	10.5	C.1	Tr200	3.68	3.66	-0.29	3.68	2.06	14.28	84.61	0.02	0.77	0.77
A.Salsa	A.Salsa	10.5	C.	Tr200	3.68	3.66	0.45	3.68	2.06	3.05	84.61	0.02	0.73	0.73
A.Salsa	A.Salsa	10.5	C.	Tr500	3.8	3.77	0.56	3.81	2.06	3.57	109.04	0.02	0.86	0.86
A.Salsa	A.Salsa	10.5	C.1	Tr500	3.8	3.77	-0.14	3.8	2.06	16.67	109.04	0.02	0.9	0.9
A.Salsa	A.Salsa	10.5	C.	Tr500	3.8	3.77	0.56	3.81	2.06	3.57	109.04	0.02	0.86	0.86
A.Salsa	A.Salsa	314.5	C. #1	Tr30	4.89	4.88	3.58	4.89	4.8	13.63	1.68	0.26	1.82	1.82
A.Salsa	A.Salsa	314.5	C. #1	Tr200	5.9	5.89	5.9	5.9	4.8	2.76	34.3	0	0.37	0.37
A.Salsa	A.Salsa	314.5	C. #1	Tr500	6.28	6.27	6.27	6.28	4.8	2.88	50.65	0	0.39	0.39
A.Salsa	A.Salsa	318.5	C. #1	Tr30	5.32	5.32	4.95	5.32	5.2	13.32	1.99	0.45	2.38	2.39
A.Salsa	A.Salsa	318.5	C. #1	Tr200	5.99	5.97	5.96	5.99	5.2	5.58	31.48	0.06	0.99	0.99
A.Salsa	A.Salsa	318.5	C. #1	Tr500	6.36	6.34	6.35	6.36	5.2	5.4	48.13	0.05	0.95	0.95
A.Salsa	A.Salsa	328.5	C. #1	Tr30	6.19	6.18	5.81	6.19	6	12.82	2.49	0.46	2.43	2.43
A.Salsa	A.Salsa	328.5	C. #1	Tr200	6.47	6.45	6.39	6.47	6	11.29	25.77	0.35	2.14	2.14
A.Salsa	A.Salsa	328.5	C. #1	Tr500	6.68	6.66	6.57	6.68	6	8.26	45.27	0.17	1.56	1.56
Antifossetto	Antifossetto	39.5	C.	Tr30	4.84	4.83	3.57	4.84	4	29.96	25.09	0.43	2.5	2.5
Antifossetto	Antifossetto	39.5	C.	Tr200	5.57	5.54	5.33	5.57	4	23.34	62.32	0.24	1.95	1.95
Antifossetto	Antifossetto	39.5	C.	Tr500	5.9	5.86	5.73	5.9	4	20.69	80.13	0.18	1.72	1.72
Antifossetto	Grecciano	69.9	C.	Tr30	6.5	6.48	4.89	6.5	5.26	8.34	18.08	0.02	0.65	0.65
Antifossetto	Grecciano	69.9	C.	Tr200	7.16	7.14	5.84	7.16	5.26	9.31	31.59	0.02	0.73	0.73
Antifossetto	Grecciano	69.9	C.	Tr500	7.52	7.49	6.32	7.52	5.26	10.68	37.37	0.03	0.84	0.84
Cateratto	Cateratto	1.5	C. #1	Tr30	2.28	2.22	2.28	2.15	2.39	12.96		0.82	3.09	4.59
Cateratto	Cateratto	1.5	C. #1	Tr200	2.63	2.57	2.61	2.63	2.39	14.38	5.19	0.86	3.42	3.42
Cateratto	Cateratto	1.5	C. #1	Tr500	2.76	2.7	2.72	2.76	2.39	14.35	8.55	0.85	3.42	3.42
Cateratto	Cateratto	2.5	C. #1	Tr30	2.52	2.49	2.3	2.52	2.3	7.8	5.16	0.27	1.98	1.98
Cateratto	Cateratto	2.5	C. #1	Tr200	2.84	2.79	2.65	2.84	2.3	7.29	12.28	0.21	1.85	1.85
Cateratto	Cateratto	2.5	C. #1	Tr500	2.96	2.9	2.78	2.96	2.3	7.25	15.65	0.2	1.84	1.84
Cateratto	Cateratto	40.5	C. #2	Tr30	2.77	2.76	1.94	2.77	2.8	0.85		0.04	0.75	0.75
Cateratto	Cateratto	40.5	C.	Tr30	2.77	2.76	0.12	2.77	2.8	11.25		0.04	0.81	0.81
Cateratto	Cateratto	40.5	C. #3	Tr30	2.77	2.76	1.94	2.77	2.8	0.85		0.04	0.75	0.75
Cateratto	Cateratto	40.5	C.	Tr200	3.05	3.03	1.83	3.04	2.8	0.66	9.06	0.01	0.58	0.58
Cateratto	Cateratto	40.5	C.	Tr200	3.05	3.03	-0.08	3.05	2.8	9.2	9.06	0.01	0.66	0.66
Cateratto	Cateratto	40.5	C.	Tr200	3.05	3.03	1.83	3.04	2.8	0.66	9.06	0.01	0.58	0.58
Cateratto	Cateratto	40.5	C. #2	Tr500	3.19	3.17	1.86	3.18	2.8	0.7	11.76	0.02	0.62	0.62
Cateratto	Cateratto	40.5	C.	Tr500	3.19	3.17	-0.03	3.19	2.8	9.73	11.76	0.02	0.7	0.7
Cateratto	Cateratto	40.5	C. #3	Tr500	3.19	3.17	1.86	3.18	2.8	0.7	11.76	0.02	0.62	0.62
Cateratto	Cateratto	50.9	C.	Tr30	2.82	2.81	2.8	2.82	2.1	1.83	11.13	0.02	0.58	0.58
Cateratto	Cateratto	50.9	C.	Tr200	3.11	3.09	3.1	3.11	2.1	1.98	17.59	0.01	0.63	0.63
Cateratto	Cateratto	50.9	C.	Tr500	3.25	3.23	3.24	3.25	2.1	1.77	21.13	0.01	0.56	0.56
Cateratto	Cateratto	54.5	C.	Tr30	2.95	2.94	1.24	2.95	2.55	2.52	7.91	0.13	1.29	1.29
Cateratto	Cateratto	54.5	C. #2	Tr30	2.95	2.94	1.24	2.95	2.55	2.52	7.91	0.13	1.29	1.29
Cateratto	Cateratto	54.5	C.	Tr200	3.19	3.18	1.1	3.19	2.55	2.08	15.42	0.08	1.06	1.06

Cateratto	Cateratto	54.5	C.	Tr200	3.19	3.18	1.1	3.19	2.55	2.08	15.42	0.08	1.06	1.06
Cateratto	Cateratto	54.5	C.	Tr500	3.31	3.29	1.04	3.31	2.55	1.9	19.1	0.06	0.97	0.97
Cateratto	Cateratto	54.5	C.	Tr500	3.31	3.29	1.04	3.31	2.55	1.9	19.1	0.06	0.97	0.97
Chiaviche Est	Chiaviche Est	2.9	C. #1	Tr30	-0.14	-0.17	-1.05	-0.14	1.9	9.98		0.01	0.64	0.64
Chiaviche Est	Chiaviche Est	2.9	C. #1	Tr200	0.23	0.18	-0.82	0.23	1.9	14.88		0.02	0.78	0.78
Chiaviche Est	Chiaviche Est	2.9	C. #1	Tr500	0.38	0.33	-0.71	0.38	1.9	17.32		0.02	0.85	0.85
Chiaviche Est	Chiaviche Est	4.5	C. #1	Tr30	0.9	0.89	-0.11	0.9	1.86	9.98		1	1.22	1.77
Chiaviche Est	Chiaviche Est	4.5	C. #1	Tr200	1.9	1.9	0.32	1.9	1.86	14.39	0.49	1.65	1.63	2.1
Chiaviche Est	Chiaviche Est	4.5	C. #1	Tr500	1.99	1.98	0.52	1.99	1.86	14.33	2.99	1.58	1.62	1.96
Chiaviche Est	Chiaviche Est	8.5	C. #1	Tr30	1.07	1.07	-0.53	1.07	1.88	3.91		0.08	0.79	0.79
Chiaviche Est	Chiaviche Est	8.5	C. #1	Tr200	2.02	2.01	-0.24	2.02	1.88	3.76	2.15	0.08	0.76	0.76
Chiaviche Est	Chiaviche Est	8.5	C. #1	Tr500	2.08	2.08	-0.11	2.08	1.88	3.09	3.82	0.05	0.62	0.62
Chiaviche Est	Chiaviche Est	9.9	C. #1	Tr30	1.24	1.24	-0.43	1.24	1.88	3.91		0.16	0.79	0.79
Chiaviche Est	Chiaviche Est	9.9	C. #1	Tr200	2.08	2.07	-0.14	2.08	1.88	2.37	3.54	0.06	0.48	0.48
Chiaviche Est	Chiaviche Est	9.9	C. #1	Tr500	2.12	2.12	-0.01	2.12	1.88	2.03	4.88	0.04	0.41	0.41
Chiaviche Est	Chiaviche Est	100	C.	Tr30	1.33	1.33	-0.45	1.33	1.7	3.91		0.03	0.6	0.6
Chiaviche Est	Chiaviche Est	100	C.	Tr200	2.11	2.1	-0.2	2.11	1.7	2.91	3	0.01	0.45	0.45
Chiaviche Est	Chiaviche Est	100	C.	Tr500	2.16	2.16	-0.08	2.16	1.7	3.18	3.73	0.02	0.49	0.49
Chiaviche Est	Chiaviche Est	109.1	C.	Tr30	1.39	1.38	0.13	1.39	2.06	3.91		0.04	0.78	0.78
Chiaviche Est	Chiaviche Est	109.1	C.	Tr200	2.21	2.21	0.46	2.21	2.06	5.72	0.19	0.1	1.14	1.14
Chiaviche Est	Chiaviche Est	109.1	C.	Tr500	2.29	2.29	0.61	2.29	2.06	6.38	0.53	0.12	1.28	1.28
Chiaviche Est	Chiaviche Est	118	C.	Tr30	1.47	1.46	0.61	1.47	2.99	3.91		0.05	0.87	0.87
Chiaviche Est	Chiaviche Est	118	C.	Tr200	2.35	2.34	0.93	2.35	2.99	5.91		0.12	1.18	1.18
Chiaviche Est	Chiaviche Est	118	C.	Tr500	2.47	2.46	1.08	2.47	2.99	6.91		0.16	1.38	1.38
Chiaviche Est	Chiaviche Est	121	C.	Tr30	1.54	1.53	0.77	1.54	3.49	3.91		0.06	0.92	0.89
Chiaviche Est	Chiaviche Est	121	C.	Tr200	2.48	2.48	1.1	2.48	3.49	5.91		0.13	1.18	1.18
Chiaviche Est	Chiaviche Est	121	C.	Tr500	2.66	2.65	1.25	2.66	3.49	6.91		0.18	1.38	1.38
F. Chiara	F. Chiara	3	C. #1	Tr30	3.13	3.11	0.26	3.13	5.84	39.96		0.02	0.71	0.71
F. Chiara	F. Chiara	3	C. #1	Tr200	3.2	3.16	0.77	3.2	5.84	60.52		0.04	1.07	1.07
F. Chiara	F. Chiara	3	C. #1	Tr500	3.25	3.19	1	3.25	5.84	70.63		0.06	1.25	1.25
F.Fattoria	F.FattoriaMonte2	100	C.	Tr30	4.88	4.86	2.2	4.88	4	22.31	14.01	0.35	1.86	1.86
F.Fattoria	F.FattoriaMonte2	100	C.	Tr200	5.7	5.66	3.9	5.7	4	18.57	36.79	0.22	1.55	1.55
F.Fattoria	F.FattoriaMonte2	100	C.	Tr500	6.08	6.03	4.8	6.08	4	17.3	47.5	0.17	1.44	1.44
Fosso Fologno	Fosso Fologno	1.2	C. #1	Tr30	5.21	5.21	5.21	5.21	3.71	0.97	23	0.01	0.38	0.38
Fosso Fologno	Fosso Fologno	1.2	C. #1	Tr200	6.03	6.02	6.02	6.03	3.71	0.65	34.74	0	0.25	0.25
Fosso Fologno	Fosso Fologno	1.2	C. #1	Tr500	6.33	6.32	6.35	6.33	3.71	1.16	41.85	0.01	0.46	0.46
Fosso Fologno	Fosso Fologno	32.2	C.	Tr30	9.92	9.91	9.91	9.92	9.59	2.58	8.67	0.94	2.98	2.98
Fosso Fologno	Fosso Fologno	32.2	C.	Tr200	10.08	10.07	10.05	10.08	9.59	2.58	14.39	0.93	2.97	2.97
Fosso Fologno	Fosso Fologno	32.2	C.	Tr500	10.13	10.12	10.11	10.13	9.59	2.54	17.29	0.9	2.93	2.93
Fosso Fologno	Fosso Fologno	39.5	C.	Tr30	12.48	12.47	12.37	12.48	12.09	2.4	7.66	2.52	1.96	1.96
Fosso Fologno	Fosso Fologno	39.5	C.	Tr200	12.62	12.6	12.54	12.62	12.09	2.39	12.7	2.49	1.95	1.95
Fosso Fologno	Fosso Fologno	39.5	C.	Tr500	12.68	12.66	12.63	12.68	12.09	2.39	15.2	2.48	1.95	1.95
Fosso Fologno	Fosso Fologno	39.9	C.	Tr30	12.5	12.49	12.49	12.5	11.54	0.3	9.76	0	0.25	0.25
Fosso Fologno	Fosso Fologno	39.9	C.	Tr200	12.65	12.63	12.65	12.65	11.54	0.23	14.85	0	0.19	0.19
Fosso Fologno	Fosso Fologno	39.9	C.	Tr500	12.71	12.7	12.72	12.71	11.54	0.22	17.37	0.01	0.18	0.18
Interporto	Colatore Sud	2.9	C. #1	Tr30	0.45	0.43	-0.9	0.45	1.42	13.08		0.01	0.61	0.61
Interporto	Colatore Sud	2.9	C. #1	Tr200	0.88	0.85	-0.61	0.88	1.42	19.6		0.02	0.77	0.77
Interporto	Colatore Sud	2.9	C. #1	Tr500	1.07	1.04	-0.48	1.07	1.42	22.86		0.02	0.88	0.88
Interporto	Colatore Sud	4.5	C. #1	Tr30	1.76	1.76	0.17	1.76	1.86	13.08		1.3	1.48	1.74
Interporto	Colatore Sud	4.5	C. #1	Tr200	2.19	2.18	0.71	2.19	1.86	13.1	6.5	1.29	1.48	1.53
Interporto	Colatore Sud	4.5	C. #1	Tr500	2.31	2.29	0.99	2.31	1.86	12.7	10.16	1.22	1.43	1.44
Interporto	Colatore Sud	21.8	C.	Tr30	1.8	1.8	-0.25	1.8	1.5	1.27	2.56	0	0.19	0.19
Interporto	Colatore Sud	21.8	C.	Tr200	2.22	2.22	0.01	2.22	1.5	1.29	4.5	0	0.19	0.19
Interporto	Colatore Sud	21.8	C.	Tr500	2.34	2.34	0.12	2.34	1.5	1.18	5.59	0	0.17	0.17
Interporto	Colatore Sud	28.5	C.	Tr30	1.8	1.8	0.48	1.8	1.15	0.48	1.47	0	0.18	0.18
Interporto	Colatore Sud	28.5	C.	Tr200	2.22	2.22	0.72	2.22	1.15	0.55	2.42	0	0.21	0.21
Interporto	Colatore Sud	28.5	C.	Tr500	2.35	2.34	0.83	2.35	1.15	0.57	2.92	0	0.22	0.22
Interporto	Colatore Sud	29.5	C.	Tr30	1.81	1.81	0.39	1.81	1.53	0.99	0.96	0	0.21	0.21
Interporto	Colatore Sud	29.5	C.	Tr200	2.23	2.23	0.54	2.23	1.53	0.73	2.24	0	0.15	0.15
Interporto	Colatore Sud	29.5	C.	Tr500	2.35	2.35	0.61	2.35	1.53	0.73	2.76	0	0.16	0.16



Interporto	Colatore-Nord2	68.85 #1	C.	Tr30	1.44	1.44	1.44	1.44	0.32	0.51	9.22	0.01	0.3	0.3
Interporto	Colatore-Nord2	68.85 #1	C.	Tr200	1.79	1.79	1.78	1.79	0.32	0.54	14.09	0.01	0.32	0.32
Interporto	Colatore-Nord2	68.85 #1	C.	Tr500	1.93	1.93	1.93	1.93	0.32	0.51	15.8	0	0.3	0.3
Interporto	Colatore-Nord2	69.95 #1	C.	Tr30	1.46	1.45	1.44	1.46	0.95	1.27	8.46	0.01	0.45	0.45
Interporto	Colatore-Nord2	69.95 #1	C.	Tr200	1.8	1.79	1.79	1.8	0.95	1.19	13.44	0.01	0.43	0.43
Interporto	Colatore-Nord2	69.95 #1	C.	Tr500	1.95	1.93	1.94	1.95	0.95	1.18	15.93	0.01	0.42	0.42
Interporto	Colatore-Nord2	72.3	C.	Tr30	1.47	1.46	1.47	1.47	0.53	0.24	9.49	0	0.22	0.22
Interporto	Colatore-Nord2	72.3	C.	Tr200	1.81	1.8	1.82	1.81	0.53	0.09	14.54	0	0.08	0.08
Interporto	Colatore-Nord2	72.3	C.	Tr500	1.96	1.95	1.96	1.96	0.53	0.28	18.43	0	0.26	0.26
Interporto	Colatore_Nord	60.5	C.	Tr30	1.59	1.54	0.57	1.59	1.95	18.19		0.12	1.44	1.44
Interporto	Colatore_Nord	60.5	C.	Tr200	2.1	2.04	1.11	2.1	1.95	26.22	1.26	0.29	2.08	2.08
Interporto	Colatore_Nord	60.5	C.	Tr500	2.27	2.21	1.36	2.27	1.95	27.65	4.51	0.32	2.19	2.19
Interporto	Colatore_Nord	61.5	C.	Tr30	1.74	1.71	0.59	1.74	1.95	18.19		0.13	1.44	1.44
Interporto	Colatore_Nord	61.5	C.	Tr200	2.3	2.26	1.13	2.3	1.95	20.81	6.67	0.18	1.65	1.65
Interporto	Colatore_Nord	61.5	C.	Tr500	2.45	2.41	1.38	2.45	1.95	19.75	12.41	0.15	1.57	1.57
Interporto	Colatore_Nord	66.9	C.	Tr30	1.88	1.87	1.84	1.88	1.26	1.37	7.09	0.01	0.49	0.49
Interporto	Colatore_Nord	66.9	C.	Tr200	2.39	2.38	2.39	2.39	1.26	1.12	11.73	0	0.4	0.4
Interporto	Colatore_Nord	66.9	C.	Tr500	2.54	2.54	2.54	2.54	1.26	1.25	13.79	0.01	0.44	0.44
Marignano	MarignanoValle	8.45	C.	Tr30	6.52	6.51	6.52	6.52	4.48	2.54	22.78	0.01	0.47	0.47
Marignano	MarignanoValle	8.45	C.	Tr200	7.05	7.03	7.04	7.05	4.48	2.36	36.09	0.01	0.44	0.44
Marignano	MarignanoValle	8.45	C.	Tr500	7.42	7.4	7.42	7.42	4.48	2.99	41.45	0.01	0.56	0.56
Marignano	MarignanoValle	11.5	C.	Tr30	6.69	6.67	4.95	6.69	6	10.44	9.77	0.13	1.23	1.23
Marignano	MarignanoValle	11.5	C.	Tr200	7.19	7.16	5.97	7.19	6	9.59	21.09	0.09	1.13	1.13
Marignano	MarignanoValle	11.5	C.	Tr500	7.54	7.5	6.51	7.54	6	8.57	27.3	0.06	1.01	1.01
Marignano	Marignano_Mont e	24.8 #1	C.	Tr30	6.93	6.9	6.24	6.93	6.03	4.65	8.15	0.14	1.38	1.38
Marignano	Marignano_Mont e	24.8 #1	C.	Tr200	7.44	7.39	7.34	7.44	6.03	4.29	15.16	0.1	1.28	1.28
Marignano	Marignano_Mont e	24.8 #1	C.	Tr500	7.77	7.71	7.7	7.77	6.03	3.94	18.8	0.07	1.17	1.17
Marignano	Marignano1	18.5	C.	Tr30	6.78	6.78	4.28	6.78	5.52	1.58	2.29	0	0.17	0.17
Marignano	Marignano1	18.5	C.	Tr200	7.33	7.33	4.48	7.33	5.52	1.77	4.11	0	0.19	0.19
Marignano	Marignano1	18.5	C.	Tr500	7.68	7.68	4.54	7.68	5.52	1.85	5.02	0	0.19	0.19
Marignano	Marignano1	20.5	C.	Tr30	6.79	6.78	4.28	6.79	5.46	2	1.87	0	0.21	0.21
Marignano	Marignano1	20.5	C.	Tr200	7.34	7.33	4.48	7.34	5.46	2.44	3.44	0	0.26	0.26
Marignano	Marignano1	20.5	C.	Tr500	7.69	7.69	4.54	7.69	5.46	2.66	4.21	0	0.28	0.28
Tanna	Tanna1	25.1	C.	Tr30	17.82	17.76	16.78	17.82	16.48	42.89	0.07	1.01	3.6	3.6
Tanna	Tanna1	25.1	C.	Tr200	18.76	18.68	18.35	18.76	16.48	49.68	21.06	1.34	4.18	4.18
Tanna	Tanna1	25.1	C.	Tr500	19.12	19.02	18.72	19.12	16.48	50.98	33.83	1.4	4.28	4.28
Tanna	Nugola	4.1	C. #1	Tr30	17.17	16.98	16.44	17.17	17.31	26.88		0.13	1.72	1.71
Tanna	Nugola	4.1	C. #1	Tr200	17.97	17.8	17.25	17.97	17.31	42.7	1.51	0.42	2.71	2.71
Tanna	Nugola	4.1	C. #1	Tr500	18.31	18.14	17.82	18.31	17.31	45.72	7.28	0.5	2.9	2.9
Tavola	Tavola	1.9	C. #1	Tr30	12.72	12.68	11.45	12.72	12.47	20.4	2.74	0.21	1.74	1.74
Tavola	Tavola	1.9	C. #1	Tr200	13.04	12.97	12.59	13.04	12.47	30.45	9.72	0.47	2.6	2.6
Tavola	Tavola	1.9	C. #1	Tr500	13.24	13.14	12.85	13.24	12.47	33.66	15.28	0.57	2.88	2.88
Tora Vecchia	Tora Vecchia 1	18.5	C.	Tr30	4.53	4.53	3.19	4.53	2.5	0.83	14.84	0	0.21	0.21
Tora Vecchia	Tora Vecchia 1	18.5	C.	Tr200	5.47	5.47	5.46	5.47	2.5	0.89	22.71	0.01	0.23	0.23
Tora Vecchia	Tora Vecchia 1	18.5	C.	Tr500	5.88	5.88	5.88	5.88	2.5	0.79	25.84	0	0.2	0.2

#### BRIDGES

River	Reach	River Sta	Profile	E.G. US. (m)	Min El Prs (m)	BR Open Area (m2)	Prs O WS (m)	Q Total (m3/s)	Min El Weir Flow (m)	Q Weir (m3/s)	Delta EG (m)
A.Salsa	A.Salsa	3.5	Tr30	3.14	2.3	26.13		49.98	2.53		0.04
A.Salsa	A.Salsa	3.5	Tr200	3.51	2.3	26.13		104.99	2.53		0.32
A.Salsa	A.Salsa	3.5	Tr500	3.54	2.3	26.13		132.84	2.53		0.28
A.Salsa	A.Salsa	11.5	Tr30	3.29	3	43.4		49.98	2.71		0.02
A.Salsa	A.Salsa	11.5	Tr200	3.81	3	43.4		104.99	2.71		0.03
A.Salsa	A.Salsa	11.5	Tr500	3.96	3	43.4		132.84	2.71		0.04
A.Salsa	A.Salsa	104.5	Tr30	3.54	2.5	28.73		48.56	2.24		0
A.Salsa	A.Salsa	104.5	Tr200	4.19	2.5	28.73		103.39	2.24		0.01
A.Salsa	A.Salsa	104.5	Tr500	4.43	2.5	28.73		132.66	2.24		0.01

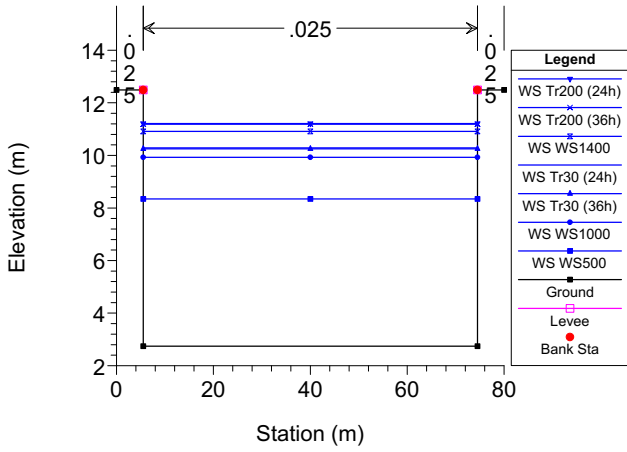
A.Salsa	A.Salsa	236.5	Tr30	4.35	3.5	13.15		34.88	4	3.84	0.4	
A.Salsa	A.Salsa	236.5	Tr200	5.06	3.5	13.15		67.79	4	44.58	0.17	
A.Salsa	A.Salsa	236.5	Tr500	5.42	3.5	13.15		89.82	4	66.92	0.14	
A.Salsa	A.Salsa	250	Tr30	4.52	3.6	10.2		34.88	4	15.19	0.01	
A.Salsa	A.Salsa	250	Tr200	5.84	3.6	10.2		67.79	4		0.33	
A.Salsa	A.Salsa	250	Tr500	6.2	3.6	10.2		89.82	4		0.5	
Antifossetto	Antifossetto2	3.5	Tr30	3.41	3.79	74.86		81.02	5		0.02	
Antifossetto	Antifossetto2	3.5	Tr200	3.7	3.79	74.86		127.43	5		0.05	
Antifossetto	Antifossetto2	3.5	Tr500	4.09	3.79	74.86	4.02	150.46	5		0.27	
Antifossetto	Antifossetto	46.5	Tr30	5.06	4.69	40.63	5.04	55.05	5.43		0.13	
Antifossetto	Antifossetto	46.5	Tr200	5.92	4.69	40.63		85.66	5.43	12.86	0.23	
Antifossetto	Antifossetto	46.5	Tr500	6.21	4.69	40.63		100.82	5.43	36.46	0.17	
Antifossetto	Antifossetto	51.5	Tr30	5.24	6.81	40.89		55.05	8.49		0.07	
Antifossetto	Antifossetto	51.5	Tr200	6.19	6.81	40.89		85.66	8.49		0.12	
Antifossetto	Antifossetto	51.5	Tr500	6.53	6.81	40.89		100.82	8.49		0.15	
Antifossetto	Antifossetto	54.5	Tr30	5.54	7.07	38.28		55.05	7.9		0.03	
Antifossetto	Antifossetto	54.5	Tr200	6.49	7.07	38.28		85.66	7.9		0.07	
Antifossetto	Antifossetto	54.5	Tr500	6.87	7.07	38.28		100.82	7.9		0.1	
Antifossetto	Grecciano	58.8	Tr30	6.29	4.16	14.27		32.14	5.83		0.5	
Antifossetto	Grecciano	58.8	Tr200	6.9	4.16	14.27		49.62	5.83		0.17	
Antifossetto	Grecciano	58.8	Tr500	7.24	4.16	14.27		58.27	5.83		0.13	
Cateratto	Cateratto	25.5	Tr30	2.64	1.5	4.2		12.96	2.09	8.47	0.07	
Cateratto	Cateratto	25.5	Tr200	2.95	1.5	4.2		19.57	2.09	15.31	0.05	
Cateratto	Cateratto	25.5	Tr500	3.08	1.5	4.2		22.9	2.09	18.57	0.05	
Cateratto	Cateratto	33.5	Tr30	2.71	2	10.34		12.96	2.49	3.15	0.05	
Cateratto	Cateratto	33.5	Tr200	3.01	2	10.34		19.57	2.49	10.57	0.03	
Cateratto	Cateratto	33.5	Tr500	3.14	2	10.34		22.9	2.49	13.72	0.02	
Cateratto	Cateratto	49.5	Tr30	2.8	3.58	34.18		12.96	2.2	1.82	0.01	
Cateratto	Cateratto	49.5	Tr200	3.09	3.58	34.18		19.57	2.2	3.15	0.01	
Cateratto	Cateratto	49.5	Tr500	3.23	3.58	34.18		22.9	2.2	3.85	0.01	
Cateratto	Cateratto	58.5	Tr30	3	2.46	17.4	2.99	12.96	3.4		0.03	
Cateratto	Cateratto	58.5	Tr200	3.29	2.46	17.4	3.28	19.57	3.4		0.08	
Cateratto	Cateratto	58.5	Tr500	3.44	2.46	17.4		22.9	3.4	0.2	0.12	
F. Chiara	F. Chiara	12	Tr30	3.23	3.49	50.29		39.96	2.74		0.01	
F. Chiara	F. Chiara	12	Tr200	3.4	3.49	50.29		60.52	2.74		0.03	
F. Chiara	F. Chiara	12	Tr500	3.5	3.49	50.29		70.63	2.74		0.04	
Fontino	Fontino	0.8	Tr30	6.48	4.17	3.79		17.08	5.74		0.06	
Fontino	Fontino	0.8	Tr200	6.97	4.17	3.79		26.07	5.74		0.05	
Fontino	Fontino	0.8	Tr500	7.33	4.17	3.79		30.52	5.74		0.04	
Fosso Fologno	Fosso Fologno	0.2	Tr30	5.18	3.84	11.14		23.44	5.26		0.24	
Fosso Fologno	Fosso Fologno	0.2	Tr200	5.99	3.84	11.14		35.39	5.26		0.22	
Fosso Fologno	Fosso Fologno	0.2	Tr500	6.28	3.84	11.14		41.35	5.26		0.12	
Fosso Fologno	Fosso Fologno	15.2	Tr30	7.31	6.35	6.41		20.43	6.95		0.49	
Fosso Fologno	Fosso Fologno	15.2	Tr200	7.54	6.35	6.41		30.91	6.95		0.49	
Fosso Fologno	Fosso Fologno	15.2	Tr500	7.62	6.35	6.41		36.17	6.95		0.51	
Fosso Fologno	Fosso Fologno	15.5	Tr30	7.34	6.07	4.34		20.43	6.77		0.02	
Fosso Fologno	Fosso Fologno	15.5	Tr200	7.58	6.07	4.34		30.91	6.77		0.02	
Fosso Fologno	Fosso Fologno	15.5	Tr500	7.66	6.07	4.34		36.17	6.77		0.03	
Isola	Isola2	2.2	Tr30	8.67	7.33	21.87	10.22	101.73	8.13	22.08	2.04	
Isola	Isola2	2.2	Tr200	9.35	7.33	21.87		17.91	168.36	8.13	77.78	1.8
Isola	Isola2	2.2	Tr500	9.54	7.33	21.87	23.34	202.7	8.13	109.43	1.6	
Isola	Isola	32.2	Tr30	13.38	12.85	24.83		82.18	12.88	37.29	0.15	
Isola	Isola	32.2	Tr200	13.78	12.85	24.83		135.69	12.88	64.61	0.36	
Isola	Isola	32.2	Tr500	14	12.85	24.83		162.5	12.88	85.41	0.26	
Isola	Isola	33.2	Tr30	13.4	12.41	12.21		82.18	12.62		0	
Isola	Isola	33.2	Tr200	13.82	12.41	12.21		135.69	12.62		0.01	
Isola	Isola	33.2	Tr500	14.04	12.41	12.21		162.5	12.62		0.01	
Lenze	Lenze	6.5	Tr30	6.56	5.19	1.95		7.84	5.44		0	
Lenze	Lenze	6.5	Tr200	7.12	5.19	1.95		11.98	5.44		0	
Lenze	Lenze	6.5	Tr500	7.5	5.19	1.95		14.03	5.44		0	
Lenze	Lenze	9.5	Tr30	6.74	5.35	1.61		7.84	6		0.03	
Lenze	Lenze	9.5	Tr200	7.32	5.35	1.61		11.98	6		0.02	
Lenze	Lenze	9.5	Tr500	7.68	5.35	1.61		14.03	6		0.02	

Lenze	Lenze	11.5	Tr30	7.03	5.88	1.55		7.84	6.43		0.22
Lenze	Lenze	11.5	Tr200	7.45	5.88	1.55		11.98	6.43		0.06
Lenze	Lenze	11.5	Tr500	7.79	5.88	1.55		14.03	6.43		0.03
Lenze	Lenze	14.5	Tr30	7.47	6.48	1.56		4.73	7.03		0.34
Lenze	Lenze	14.5	Tr200	7.61	6.48	1.56		7.24	7.03		0.02
Lenze	Lenze	14.5	Tr500	7.93	6.48	1.56		8.48	7.03		0.01
Lenze	Lenze	16.5	Tr30	7.9	7.71	2		4.73	8.26		0.21
Lenze	Lenze	16.5	Tr200	8.52	7.71	2		7.24	8.26		0.57
Lenze	Lenze	16.5	Tr500	8.88	7.71	2		8.48	8.26		0.71
Marignano	Marignano3	1.1	Tr30	6.39	4.87	8.18		39.56	4.44		0.57
Marignano	Marignano3	1.1	Tr200	6.88	4.87	8.18		60.51	4.44		0.12
Marignano	Marignano3	1.1	Tr500	7.24	4.87	8.18		70.89	4.44		0.11
Marignano	MarignanoValle	6.4	Tr30	6.48	4.95	5.02		25.32	5.08		0.01
Marignano	MarignanoValle	6.4	Tr200	7.01	4.95	5.02		38.45	5.08		0.01
Marignano	MarignanoValle	6.4	Tr500	7.38	4.95	5.02		44.96	5.08		0
Scolmatore	Scolmatore6	4.5	Tr30	2.98	3.46	495.54		900	3.63		0.04
Scolmatore	Scolmatore6	4.5	Tr200	2.98	3.46	495.54		900	3.63		0.04
Scolmatore	Scolmatore6	4.5	Tr500	2.98	3.46	495.54		900	3.63		0.04
Scolmatore	Scolmatore3	17	Tr30	3.53	4.47	583.21		900	4.47		0.04
Scolmatore	Scolmatore3	17	Tr200	3.53	4.47	583.21		900	4.47		0.04
Scolmatore	Scolmatore3	17	Tr500	3.53	4.47	583.21		900	4.47		0.04
Scolmatore	Scolmatore3	32	Tr30	4.3	4.09	532.68		900	4.18	51.87	0.09
Scolmatore	Scolmatore3	32	Tr200	4.3	4.09	532.68		900	4.18	51.87	0.09
Scolmatore	Scolmatore3	32	Tr500	4.3	4.09	532.68		900	4.18	51.87	0.09
Scolmatore	Scolmatore3	37	Tr30	4.36	6.32	1192.3		900	3.64	81.07	0.01
Scolmatore	Scolmatore3	37	Tr200	4.36	6.32	1192.3		900	3.64	81.07	0.01
Scolmatore	Scolmatore3	37	Tr500	4.36	6.32	1192.3		900	3.64	81.07	0.01
Scolmatore	Scolmatore2	56.17	Tr30	4.97	6.09	801.31		900	3.62	89.31	0.01
Scolmatore	Scolmatore2	56.17	Tr200	4.97	6.09	801.31		900	3.62	89.31	0.01
Scolmatore	Scolmatore2	56.17	Tr500	4.97	6.09	801.31		900	3.62	89.31	0.01
Scolmatore	Scolmatore2	59.8	Tr30	5.25	5.5	698.28		900	6		0.01
Scolmatore	Scolmatore2	59.8	Tr200	5.25	5.5	698.28		900	6		0.01
Scolmatore	Scolmatore2	59.8	Tr500	5.25	5.5	698.28		900	6		0.01
Scolmatore	Scolmatore2	61	Tr30	5.27	6.03	636.51		900	5.88		0.02
Scolmatore	Scolmatore2	61	Tr200	5.27	6.03	636.51		900	5.88		0.02
Scolmatore	Scolmatore2	61	Tr500	5.27	6.03	636.51		900	5.88		0.02
Scolmatore	Scolmatore2	66	Tr30	5.48	7.05	720.27		900	7.5		0.02
Scolmatore	Scolmatore2	66	Tr200	5.48	7.05	720.27		900	7.5		0.02
Scolmatore	Scolmatore2	66	Tr500	5.48	7.05	720.27		900	7.5		0.02
Scolmatore	Scolmatore2	70	Tr30	5.64	7.88	661.81		900	7.07		0.02
Scolmatore	Scolmatore2	70	Tr200	5.64	7.88	661.81		900	7.07		0.02
Scolmatore	Scolmatore2	70	Tr500	5.64	7.88	661.81		900	7.07		0.02
Scolmatore	Scolmatore	81	Tr30	6.24	8.38	700.81		900	9.49		0.02
Scolmatore	Scolmatore	81	Tr200	6.24	8.38	700.81		900	9.49		0.02
Scolmatore	Scolmatore	81	Tr500	6.24	8.38	700.81		900	9.49		0.02
Scolmatore	Scolmatore	90	Tr30	6.93	8.92	568.01		900	10.56		0.04
Scolmatore	Scolmatore	90	Tr200	6.93	8.92	568.01		900	10.56		0.04
Scolmatore	Scolmatore	90	Tr500	6.93	8.92	568.01		900	10.56		0.04
Tanna	Tanna1	25.7	Tr30	18.08	17.07	13.65		42.96	17.6		0.25
Tanna	Tanna1	25.7	Tr200	18.8	17.07	13.65		70.74	17.6		0.03
Tanna	Tanna1	25.7	Tr500	19.16	17.07	13.65		84.81	17.6		0.02
Tanna	Tanna1	27.1	Tr30	19.23	18.28	10.36		42.96	17.98		0.78
Tanna	Tanna1	27.1	Tr200	19.87	18.28	10.36		70.74	17.98		0.75
Tanna	Tanna1	27.1	Tr500	20.08	18.28	10.36		84.81	17.98		0.63
Tora	Tora_2	5.2	Tr30	4.85	7	739.67		234.54	5.34		0
Tora	Tora_2	5.2	Tr200	4.93	7	739.67		376.12	5.34		0.01
Tora	Tora_2	5.2	Tr500	4.99	7	739.67		446.93	5.34		0.01
Tora	Tora_2	6.5	Tr30	4.95	5.24	169.76		234.54	6.08		0.02
Tora	Tora_2	6.5	Tr200	5.2	5.24	169.76		376.12	6.08		0.06
Tora	Tora_2	6.5	Tr500	5.79	5.24	169.76	5.63	446.93	6.08		0.53
Tora	Tora_2	22.5	Tr30	11.29	11.45	166.86		234.54	12.19		0.02
Tora	Tora_2	22.5	Tr200	12.75	11.45	166.86		376.12	12.19	130.28	0.05
Tora	Tora_2	22.5	Tr500	13.29	11.45	166.86		446.93	12.19	198.87	0.04
Tora	Tora	25.5	Tr30	11.45	13	395.79		186.17	14		0.01

Tora	Tora	25.5	Tr200	12.84	13	395.79		294.85	14		0
Tora	Tora	25.5	Tr500	13.39	13	395.79	13.36	349.07	14		0.03
Tora	Tora	28.5	Tr30	11.95	13.22	97.44		186.17	14		0.07
Tora	Tora	28.5	Tr200	13.95	13.22	97.44	13.75	294.85	14		0.83
Tora	Tora	28.5	Tr500	14.35	13.22	97.44		349.07	14	0.24	0.68
Tora	Tora	37.2	Tr30	14.08	15.52	152.35		186.17	15.99		0.02
Tora	Tora	37.2	Tr200	15	15.52	152.35		294.85	15.99		0.02
Tora	Tora	37.2	Tr500	15.37	15.52	152.35		349.07	15.99		0.02
Tora	Tora	40.5	Tr30	14.63	13.83	59.68		186.17	13.17	18.65	0.44
Tora	Tora	40.5	Tr200	15.57	13.83	59.68		294.85	13.17	68.2	0.47
Tora	Tora	40.5	Tr500	15.79	13.83	59.68		349.07	13.17	179.33	0.32
Ugione	valle	0.7	Tr30	4.05	1.75	24.7		159.75	2.75		0.33
Ugione	valle	0.7	Tr200	4.76	1.75	24.7		274.2	2.75		0.19
Ugione	valle	0.7	Tr500	5.12	1.75	24.7		335.07	2.75		0.19
Ugione	valle	1.1	Tr30	4.65	3.32	38.32		159.75	4.12		0.52
Ugione	valle	1.1	Tr200	5.82	3.32	38.32		274.2	4.12		0.95
Ugione	valle	1.1	Tr500	6.16	3.32	38.32		335.07	4.12		0.93
Ugione	valle	1.4	Tr30	4.67	3.82	96.19		159.75	4.22		0.02
Ugione	valle	1.4	Tr200	5.85	3.82	96.19		274.2	4.22		0.01
Ugione	valle	1.4	Tr500	6.19	3.82	96.19		335.07	4.22		0.01
Ugione	valle	2.7	Tr30	5.02	3.42	47.92		111.85	4.22		0.05
Ugione	valle	2.7	Tr200	6.04	3.42	47.92		195.69	4.22		0.02
Ugione	valle	2.7	Tr500	6.41	3.42	47.92		240.43	4.22		0.03
Ugione	valle	4.5	Tr30	5.16	5.02	48.03		111.85	6.01		0.12
Ugione	valle	4.5	Tr200	6.51	5.02	48.03		195.69	6.01		0.45
Ugione	valle	4.5	Tr500	7.11	5.02	48.03		240.43	6.01		0.68
Ugione	valle	7.5	Tr30	5.18	5.2	104.73		111.85	4.33		0
Ugione	valle	7.5	Tr200	6.53	5.2	104.73		195.69	4.33		0.01
Ugione	valle	7.5	Tr500	7.14	5.2	104.73		240.43	4.33		0.01
Ugione	valle	9.5	Tr30	5.55	4.48	32.52		111.85	5.08		0.33
Ugione	valle	9.5	Tr200	6.64	4.48	32.52		195.69	5.08		0.07
Ugione	valle	9.5	Tr500	7.23	4.48	32.52		240.43	5.08		0.05
Ugione	valle	12.5	Tr30	5.88	4.38	31.58		111.85	5.32		0.3
Ugione	valle	12.5	Tr200	6.74	4.38	31.58		195.69	5.32		0.06
Ugione	valle	12.5	Tr500	7.3	4.38	31.58		240.43	5.32		0.05
Ugione	valle	15.5	Tr30	6.21	4.21	34.62		111.85	5.56		0.29
Ugione	valle	15.5	Tr200	6.9	4.21	34.62		195.69	5.56		0.09
Ugione	valle	15.5	Tr500	7.43	4.21	34.62		240.43	5.56		0.06
Ugione	valle	18.5	Tr30	6.23	5.6	82.87		111.85	5.11		0.01
Ugione	valle	18.5	Tr200	6.94	5.6	82.87		195.69	5.11		0.02
Ugione	valle	18.5	Tr500	7.48	5.6	82.87		240.43	5.11		0.03
Ugione	medio	30.75	Tr30	6.46	6.79	57.67		61.9	5.76		0.03
Ugione	medio	30.75	Tr200	7.27	6.79	57.67		107.81	5.76		0.11
Ugione	medio	30.75	Tr500	7.86	6.79	57.67		132.43	5.76		0.19
Ugione	medio	46.5	Tr30	12.32	11.6	16.72		61.9	13.39		0.18
Ugione	medio	46.5	Tr200	13.96	11.6	16.72		107.81	13.39		0.91
Ugione	medio	46.5	Tr500	15.24	11.6	16.72		132.43	13.39		1.82

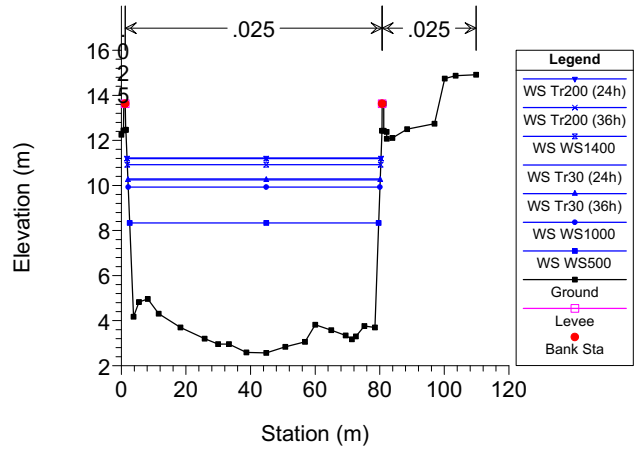
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 131.1 Sc-131.1-2015 (sezione vasca)



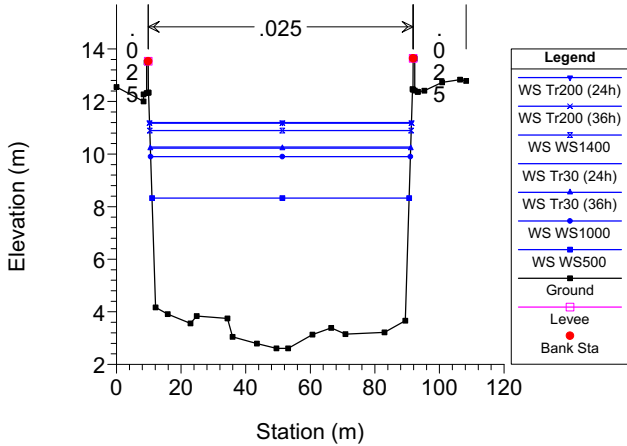
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 131 Sc-131-2015



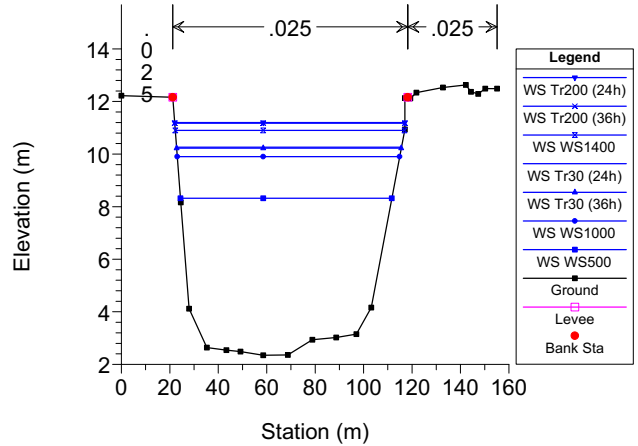
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 130 Sc-130-2015



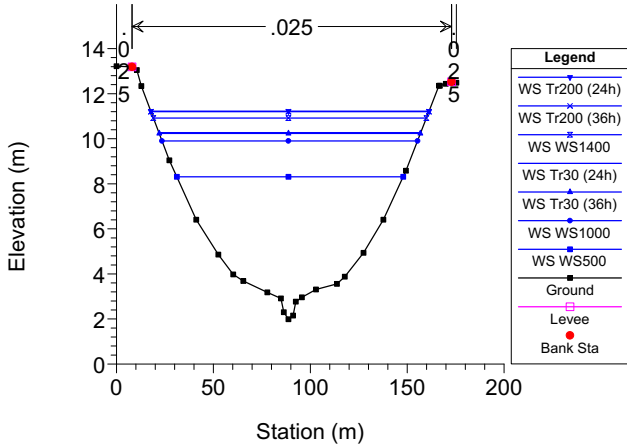
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 129 Sc-129-2015



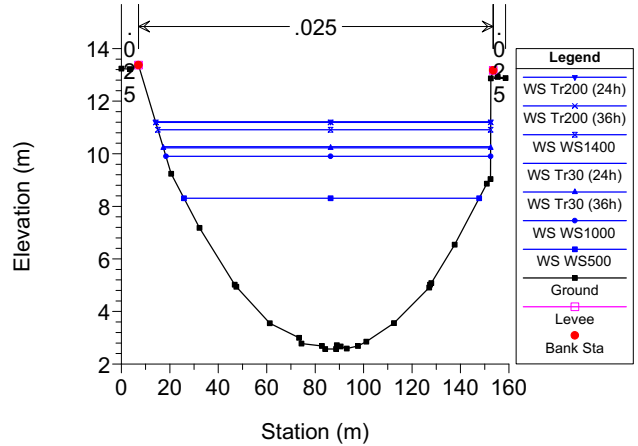
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 128 Sc-128-2015



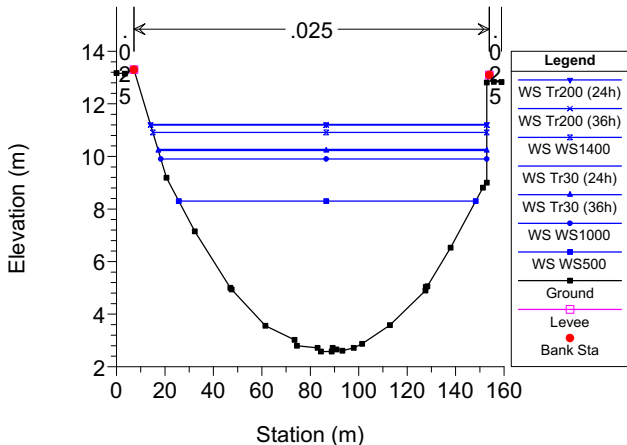
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 127 Sc-127-2015



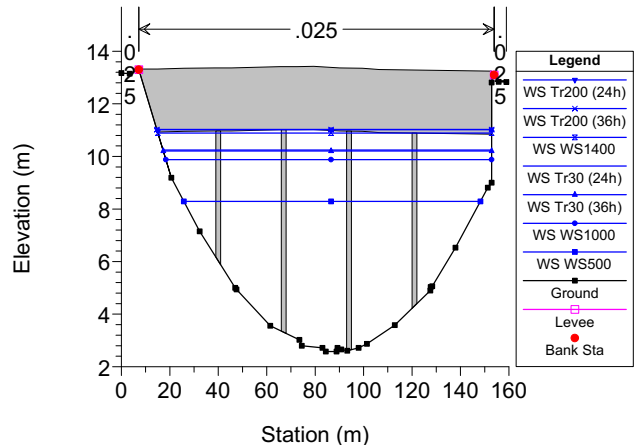
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 126.1 Sc-126.1-2015



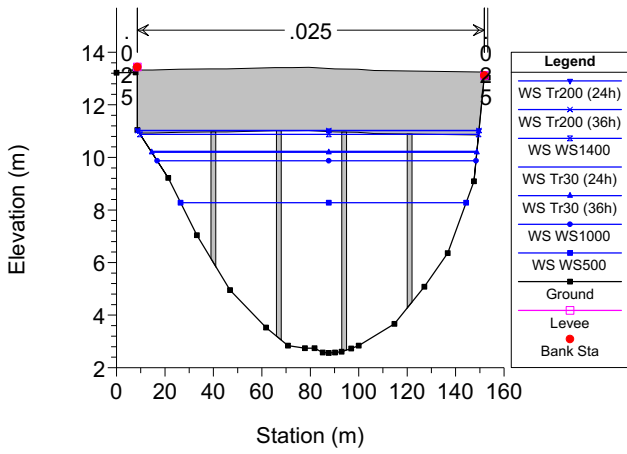
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 126 BR 126-2015 -onte Tosco Romagna



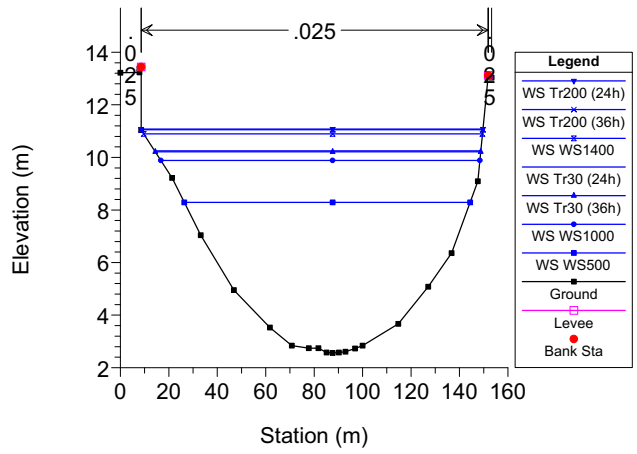
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 126 BR 126-2015-onte Tosco Romagnola



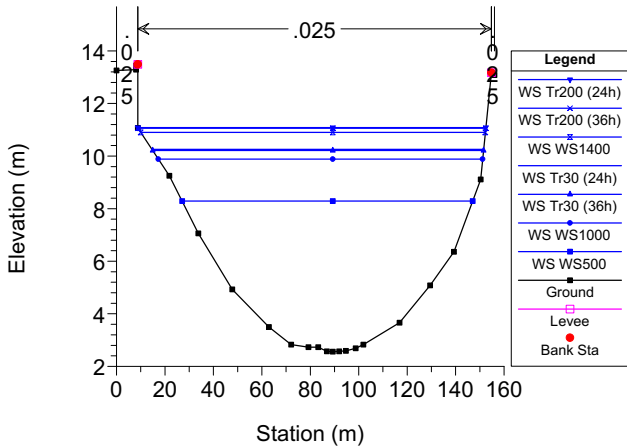
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 125.9 Sc-125.9-2015



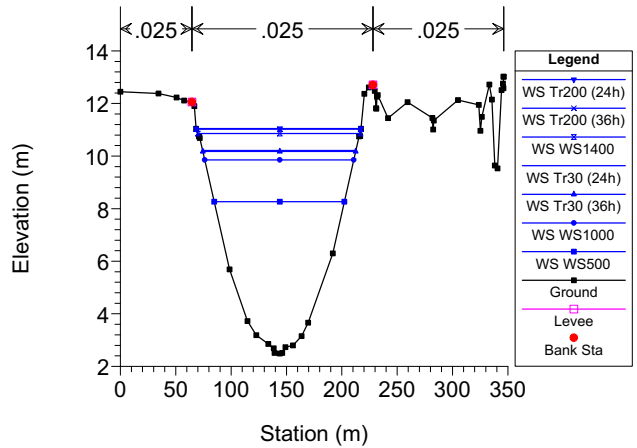
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 125 Sc-125-2015



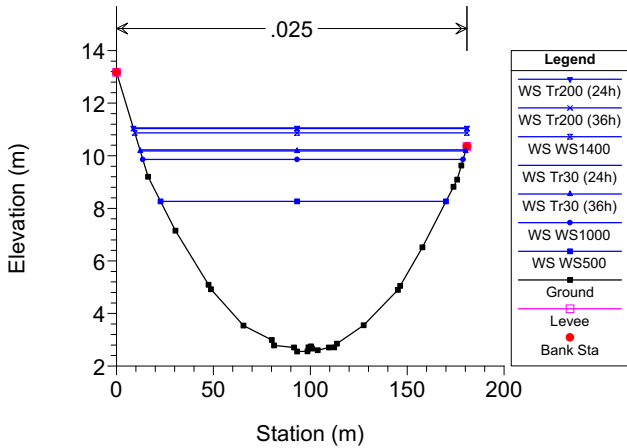
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 124 Sc-124-2015



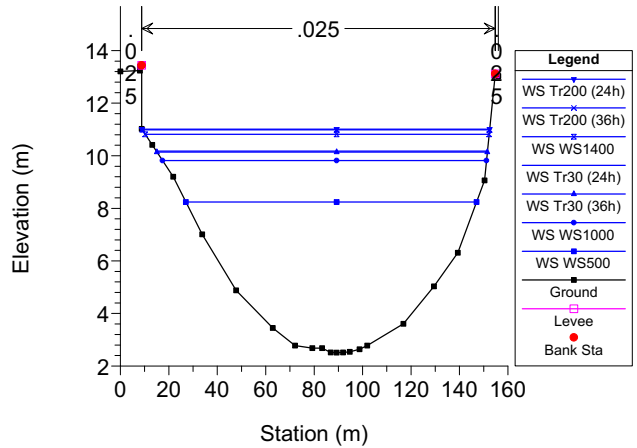
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 123 Sc-123-2015



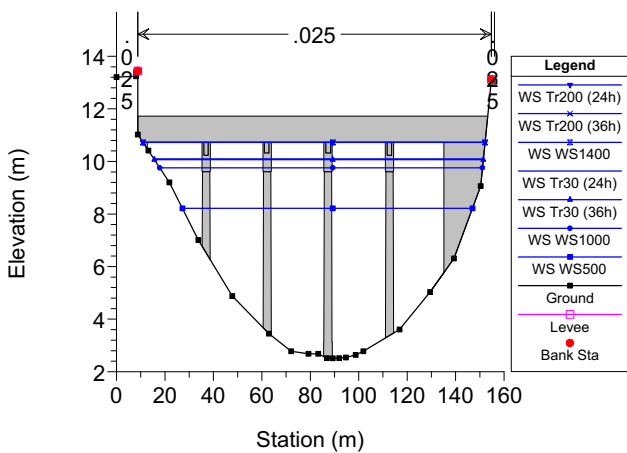
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 122.1 Sc-122.1-2015



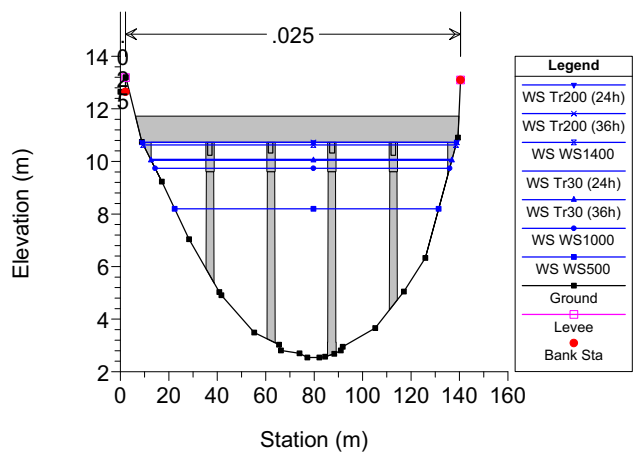
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 122 BR 122-2015-Ponte Ferrovia



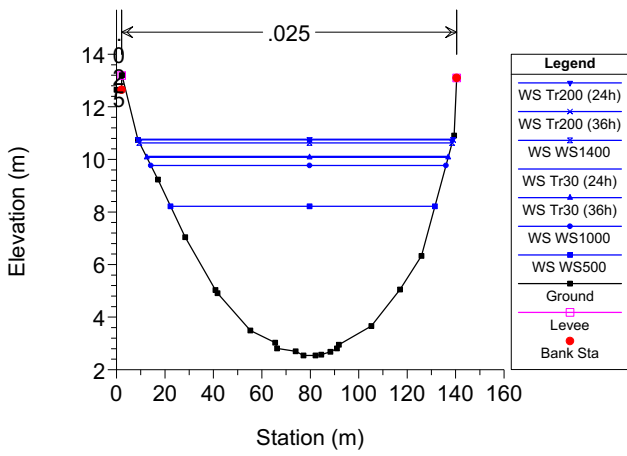
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 122 BR 122-2015-Ponte Ferrovia



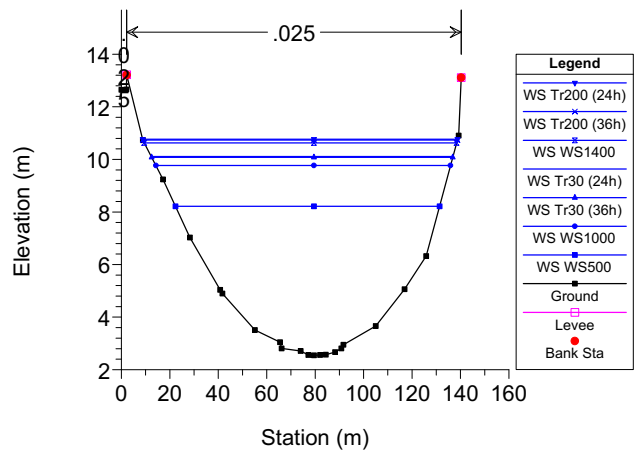
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 121.9 Sc-121.9-2015



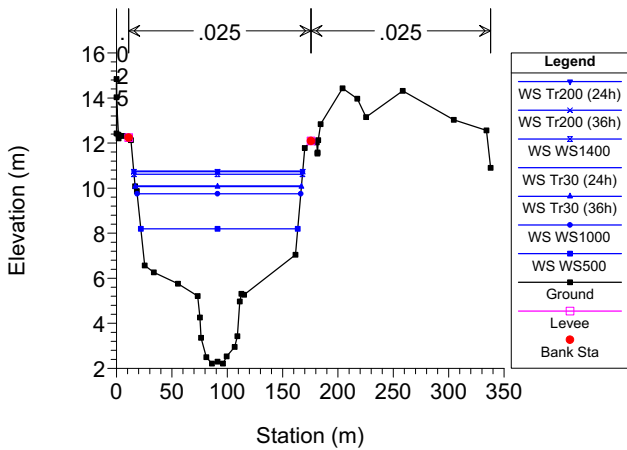
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 121 Sc-121-2015



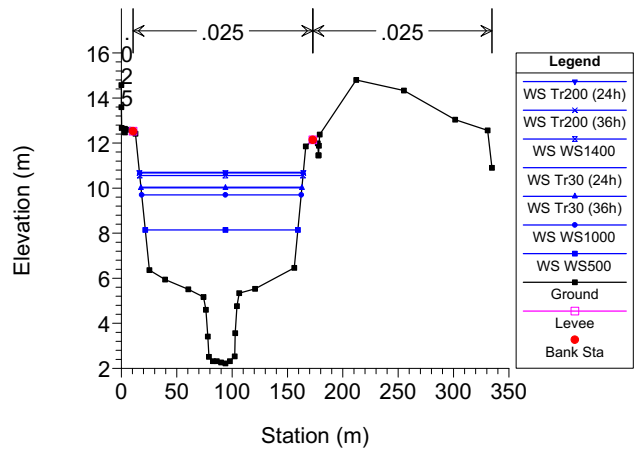
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 120 Sc-120-2015



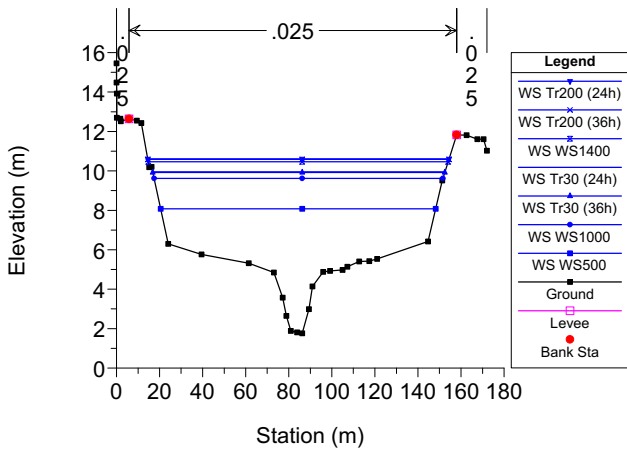
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 119 Sc-119-2015



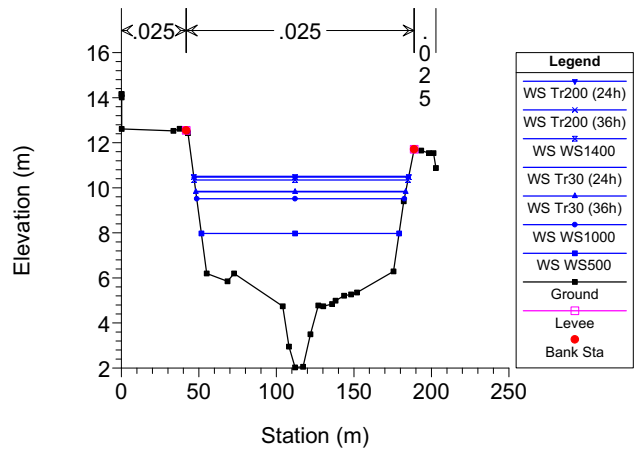
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 118 Sc-118-2015



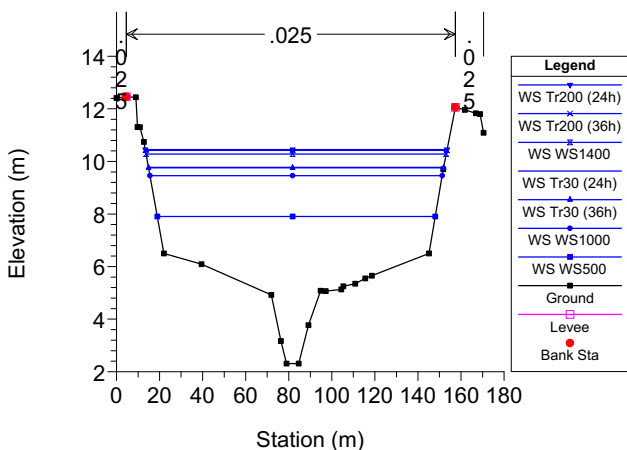
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 117 Sc-117-2015



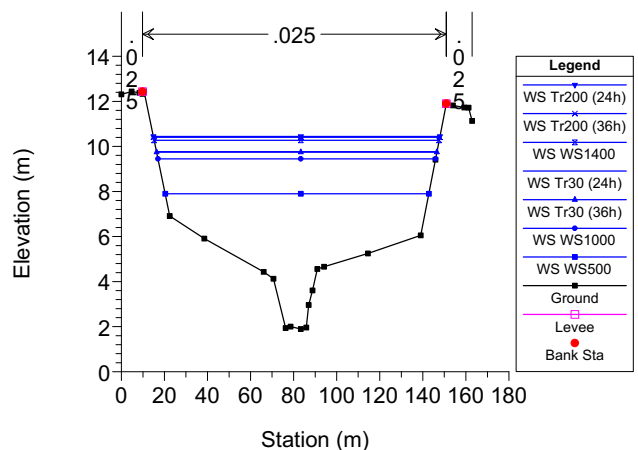
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 116 Sc-116-2015



### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 115 Sc-115-2015

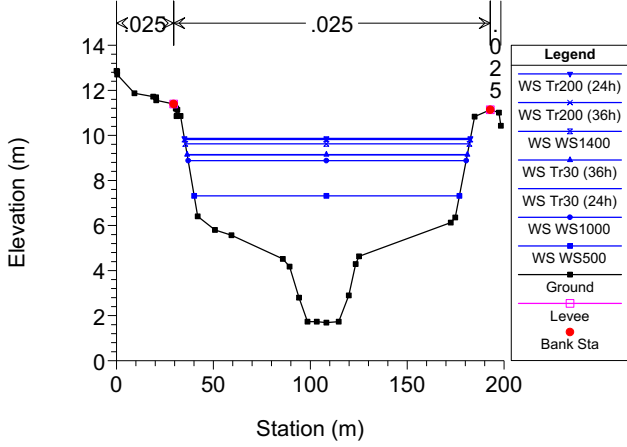






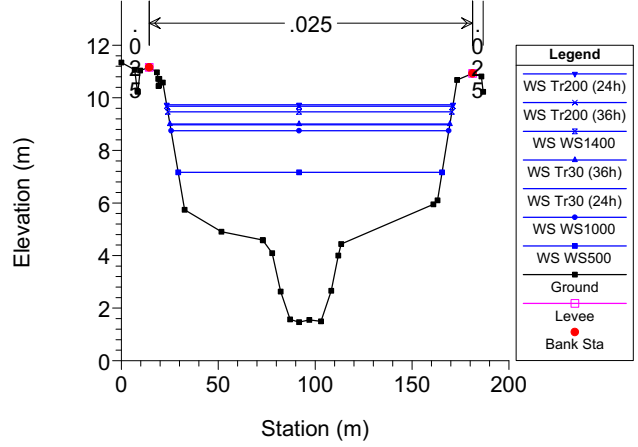
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 109 Sc-109-2015



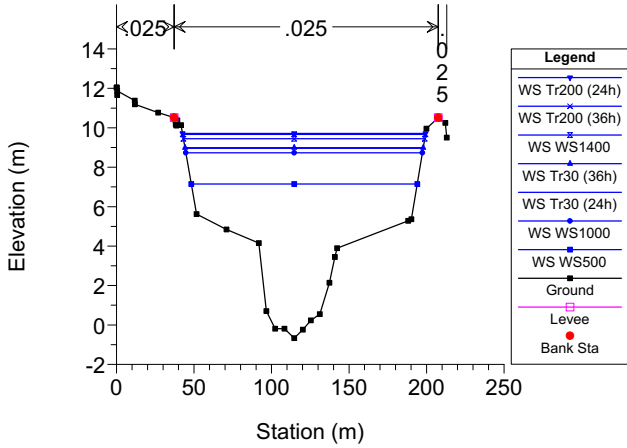
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 108 Sc-108-2015



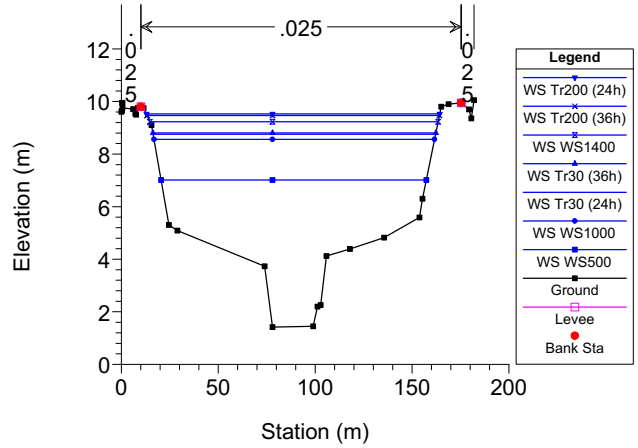
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 107 Sc-107-2015



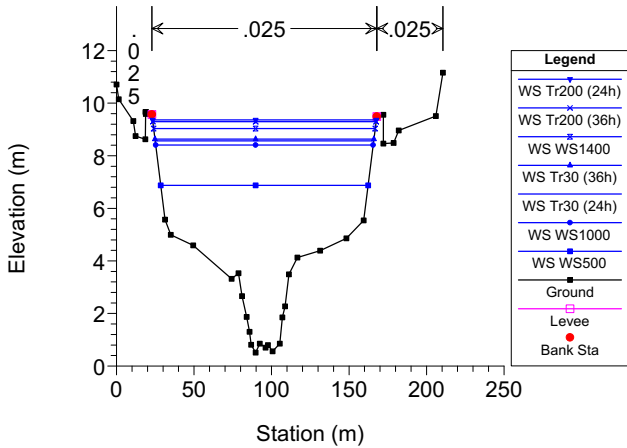
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 106 Sc-106-2015



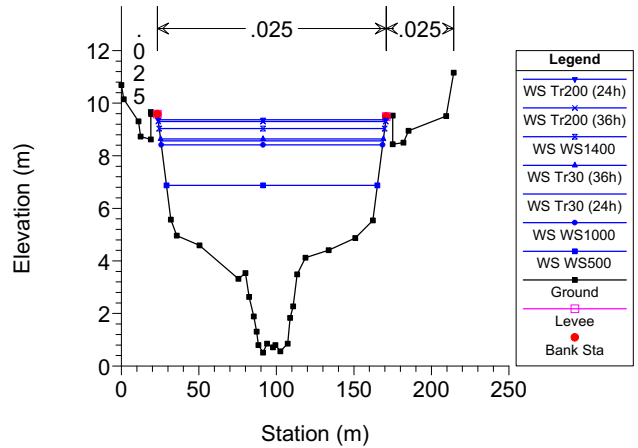
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 105.3 Sc-105.3-2015



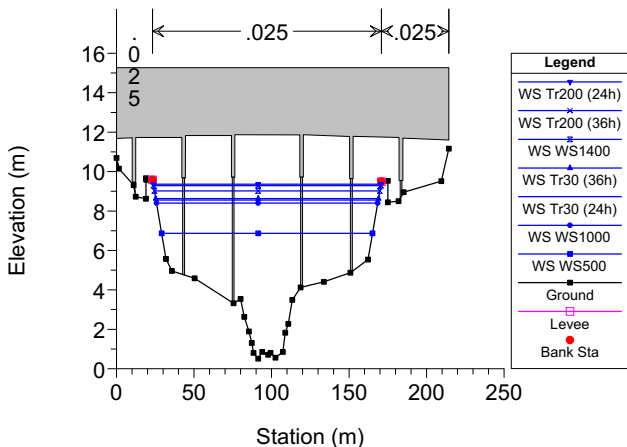
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 105.2 Sc-105.2-2015



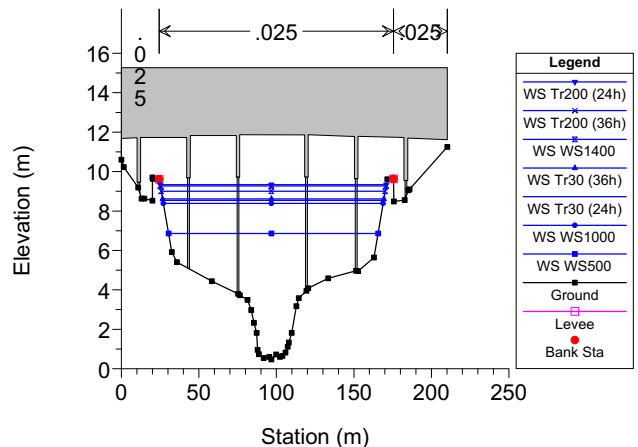
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 105.17 BR 105.17-2015 Viadotto



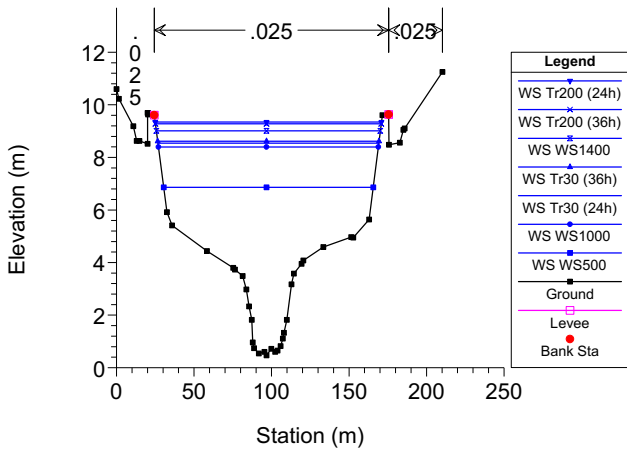
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 105.17 BR 105.17-2015 Viadotto



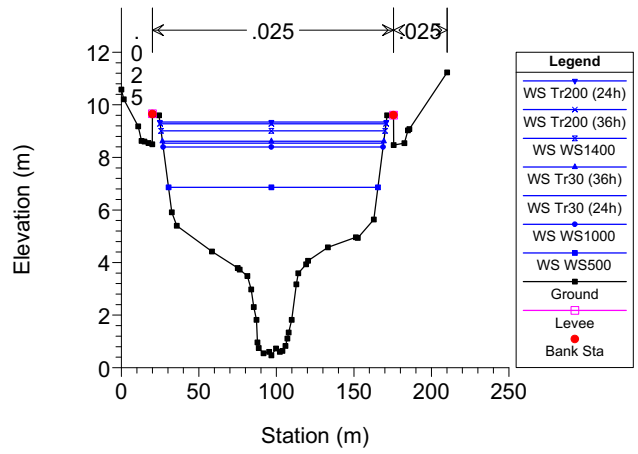
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 105.15 Sc-105.15-2015 (new)



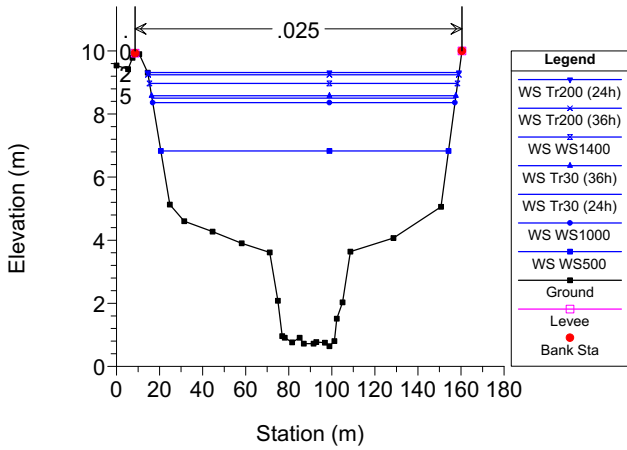
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 105.1 Sc-105.1-2015



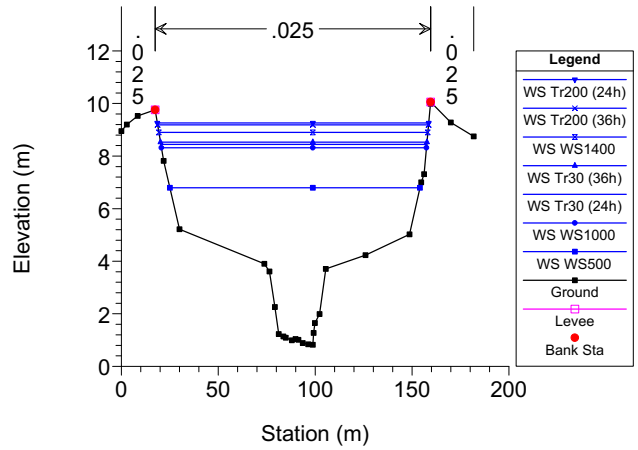
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 104 Sc-104-2015



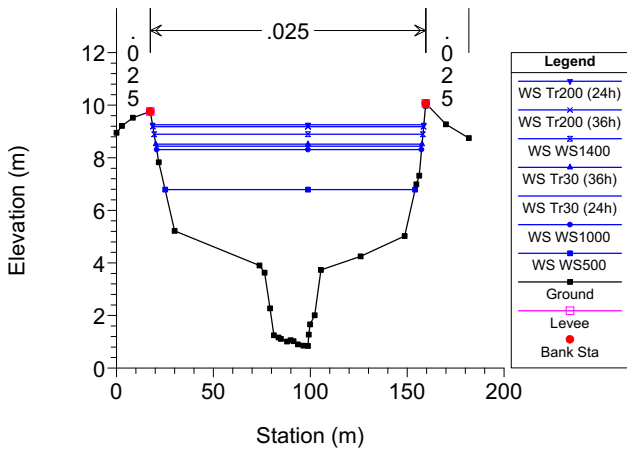
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 103 Sc-103-2015



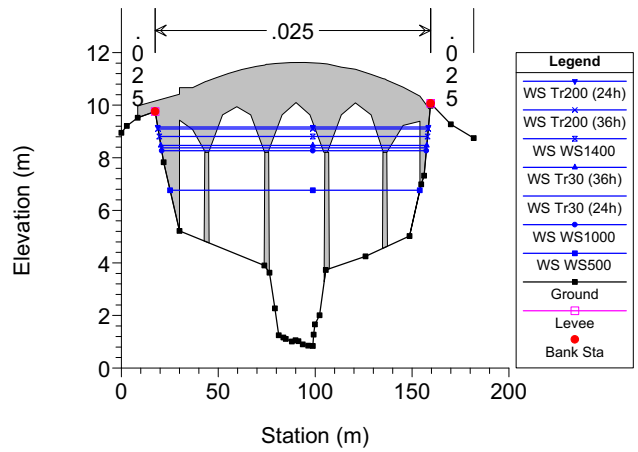
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 102.1 Sc-102.1-2015 new



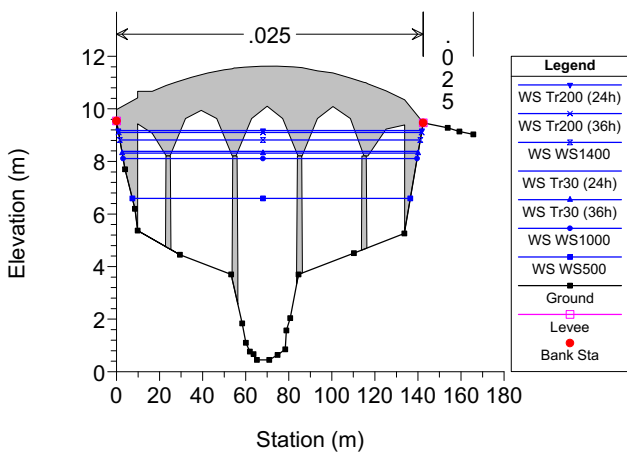
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 102 BR 102-2015 Ponte Il Puntone



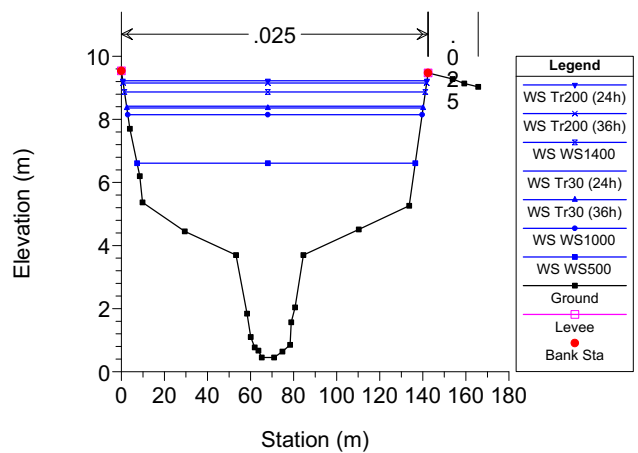
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 102 BR 102-2015 Ponte Il Puntone



### Scolmatore Plan: Scolmatore\_2020

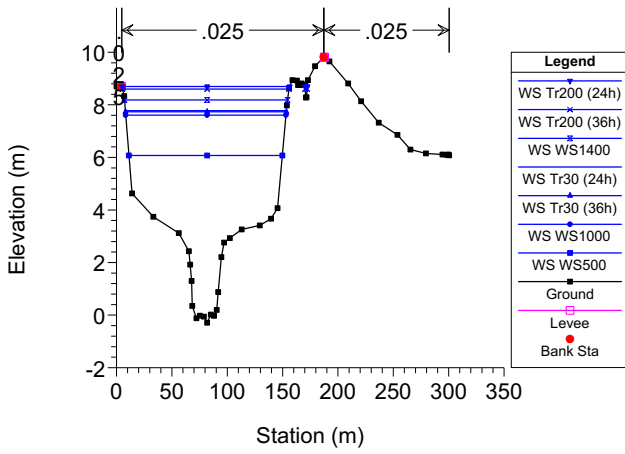
River = Scolmatore Reach = Scolmatore RS = 101.9 Sc-101.9 (2015) new





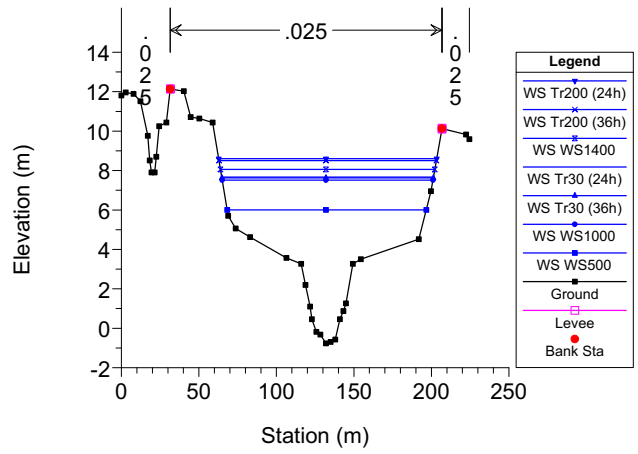
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 92 Sc-92-2015



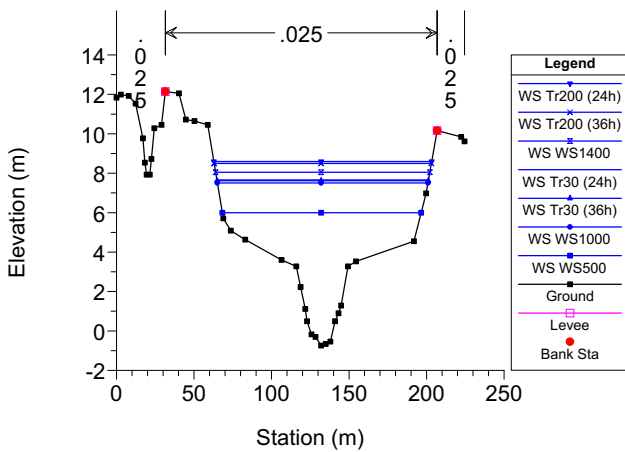
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 91 Sc-91-2015



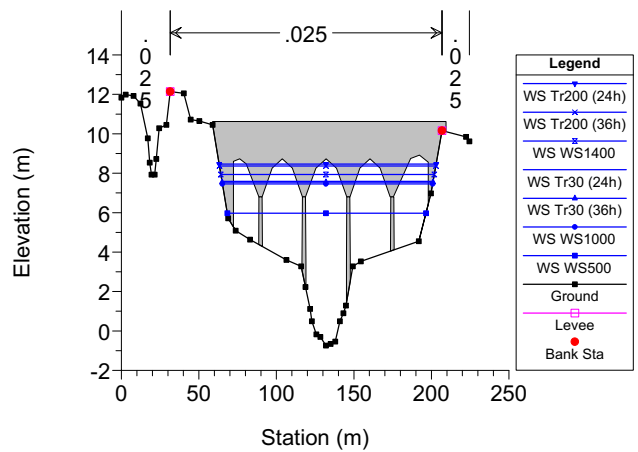
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 90.1 Sc-90.1br-2015 (new) Ponte dei Fichi



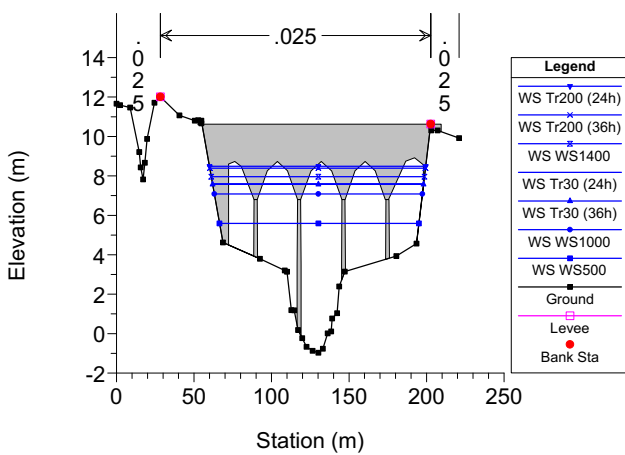
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 90 BR 90-2015-Ponte dei Fichi



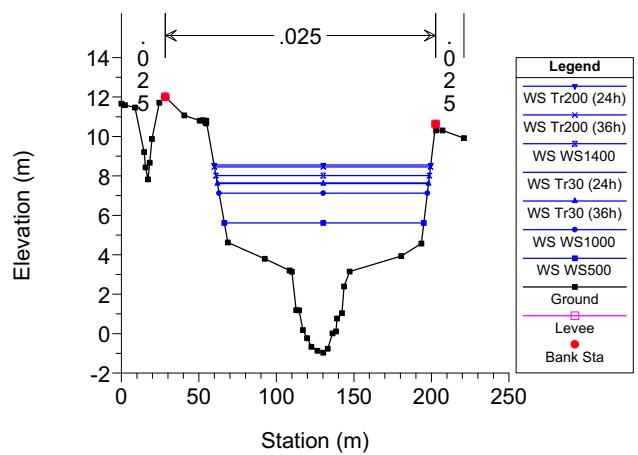
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 90 BR 90-2015-Ponte dei Fichi



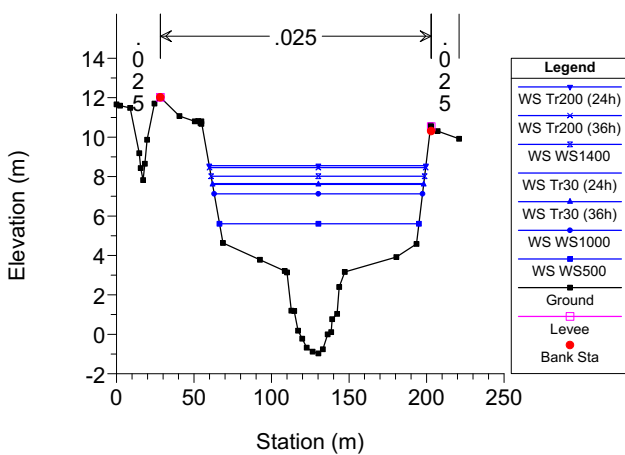
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 89.9 Sc-89.9br-2015 (new) Ponte dei Fichi



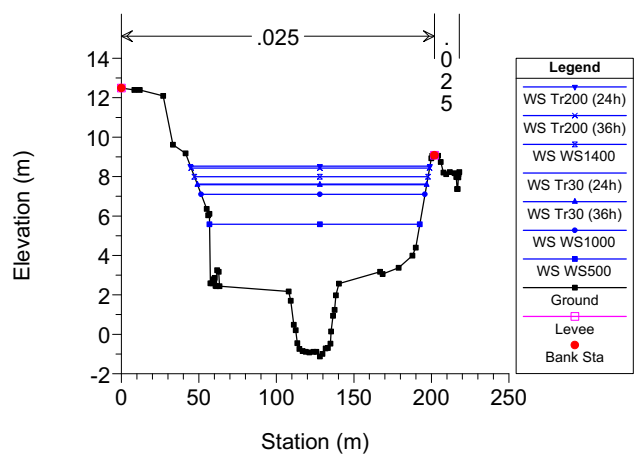
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 89 Sc-89-2015

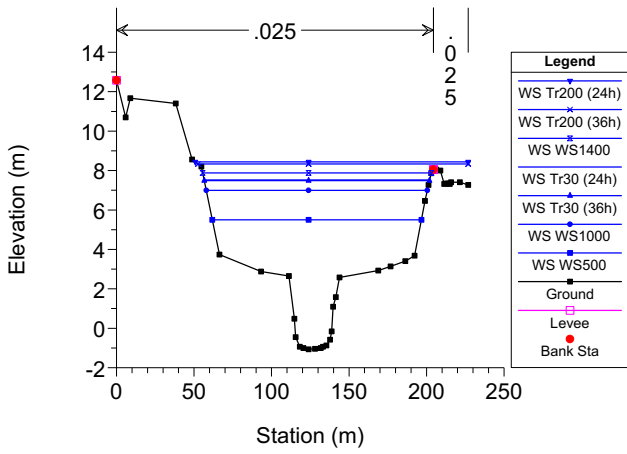


### Scolmatore Plan: Scolmatore\_2020

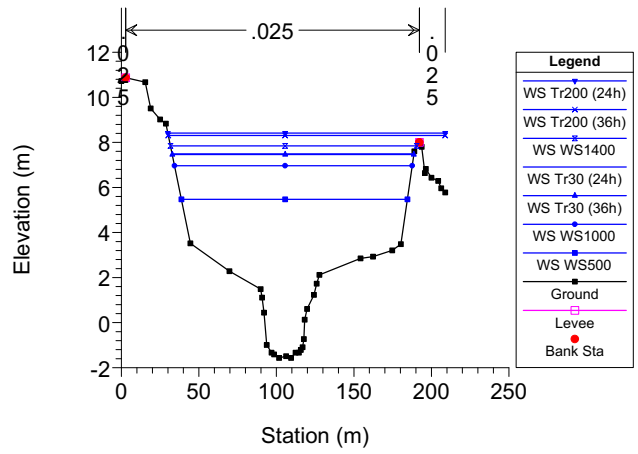
River = Scolmatore Reach = Scolmatore RS = 88 Sc-88-2015



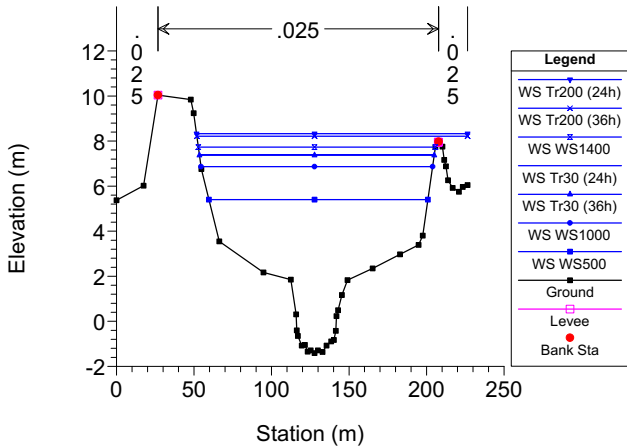
Scolmatore Plan: Scolmatore\_2020  
 River = Scolmatore Reach = Scolmatore RS = 87 Sc-87-2015



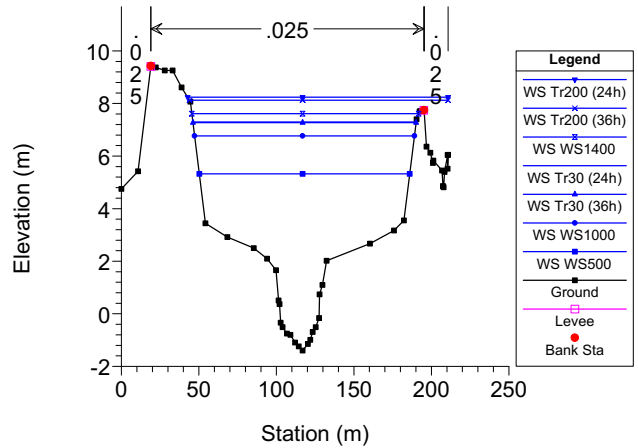
Scolmatore Plan: Scolmatore\_2020  
 River = Scolmatore Reach = Scolmatore RS = 86 Sc-86-2015



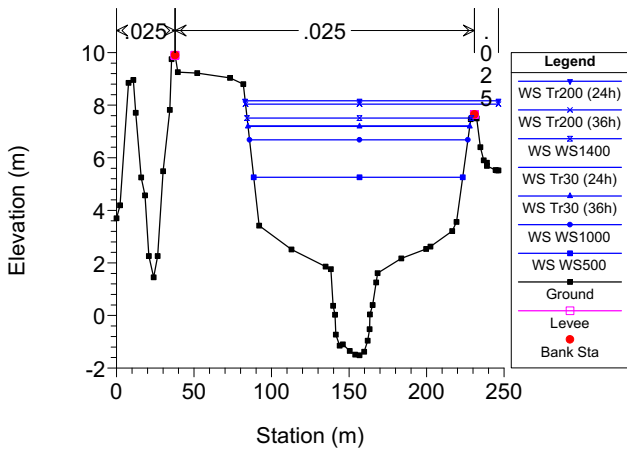
Scolmatore Plan: Scolmatore\_2020  
 River = Scolmatore Reach = Scolmatore RS = 85 Sc-85-2015



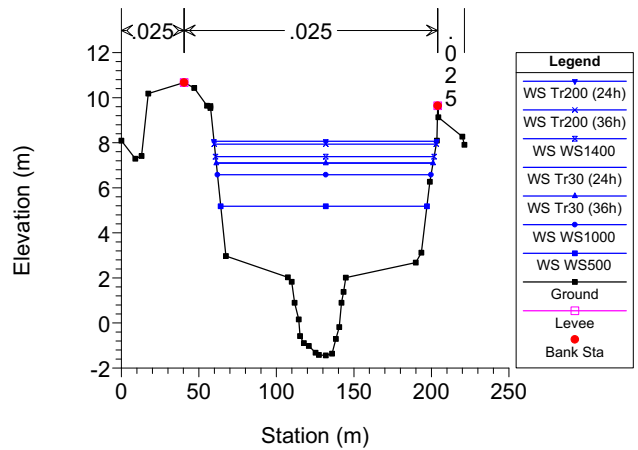
Scolmatore Plan: Scolmatore\_2020  
 River = Scolmatore Reach = Scolmatore RS = 84 Sc-84-2015



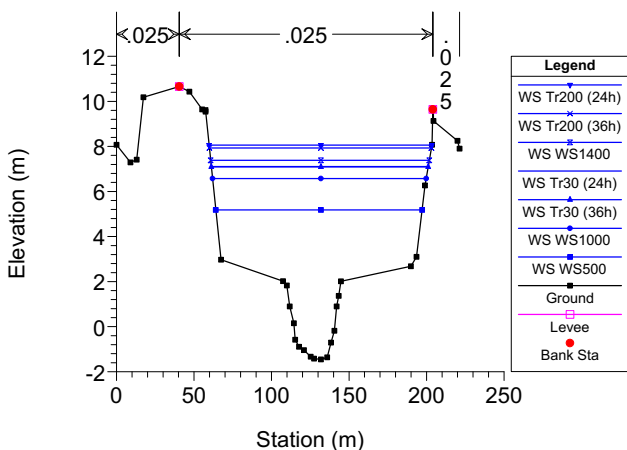
Scolmatore Plan: Scolmatore\_2020  
 River = Scolmatore Reach = Scolmatore RS = 83 Sc-83-2015



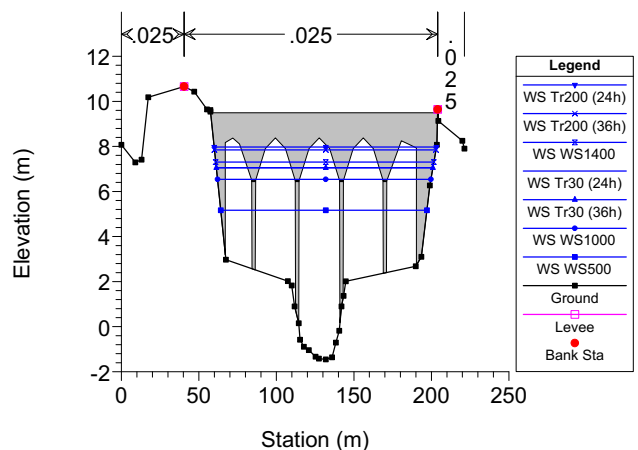
Scolmatore Plan: Scolmatore\_2020  
 River = Scolmatore Reach = Scolmatore RS = 82 Sc-82-2015



Scolmatore Plan: Scolmatore\_2020  
 River = Scolmatore Reach = Scolmatore RS = 81.1 Sc-81.1br-2015 (new) Ponte Emilia

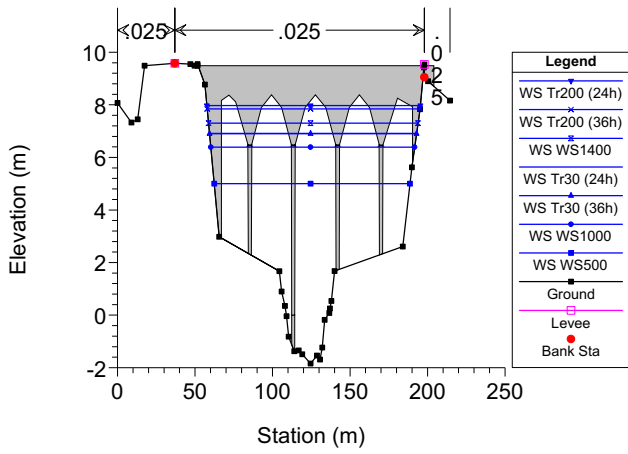


Scolmatore Plan: Scolmatore\_2020  
 River = Scolmatore Reach = Scolmatore RS = 81 BR 81-2015-Ponte Grecciano



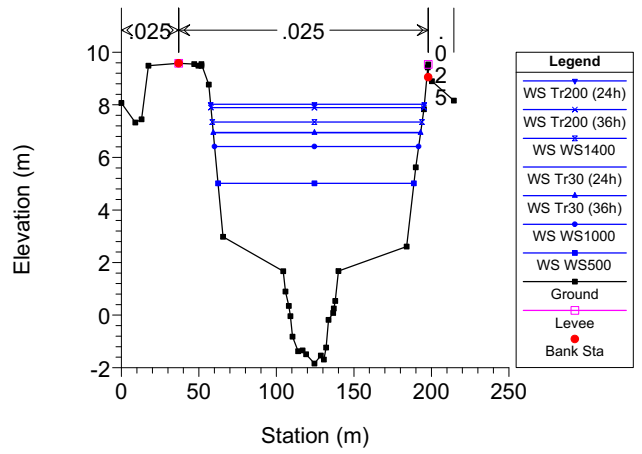
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 81 BR 81-2015-Ponte Grecciano



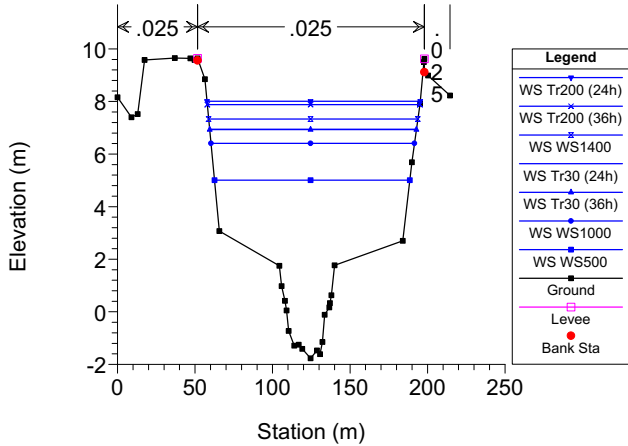
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 80.9 Sc-80.9br-2015 (new) Ponte emilia



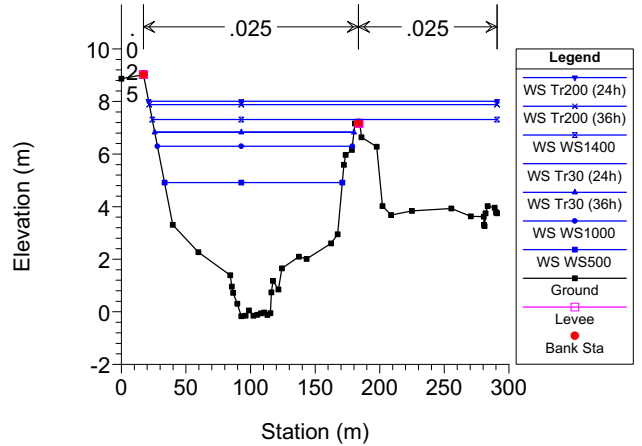
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 80 Sc-80-2015



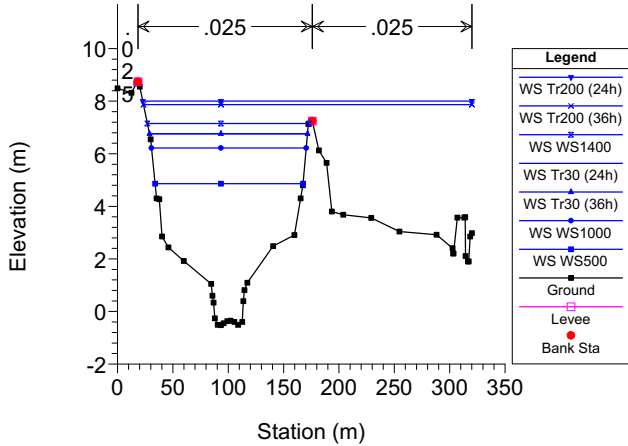
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 79 Sc-79-2015



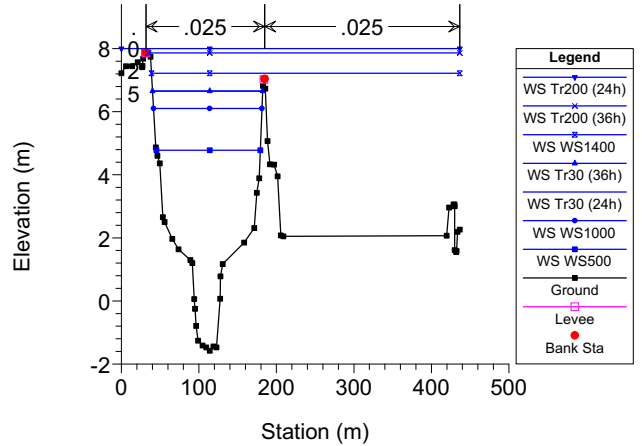
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 78 Sc-78-2015



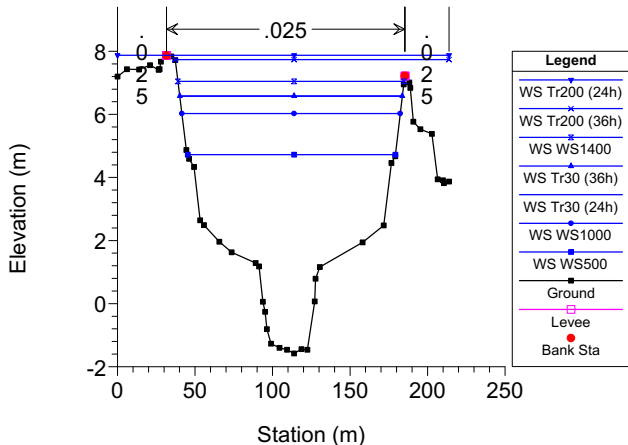
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 77 Sc-77-2015



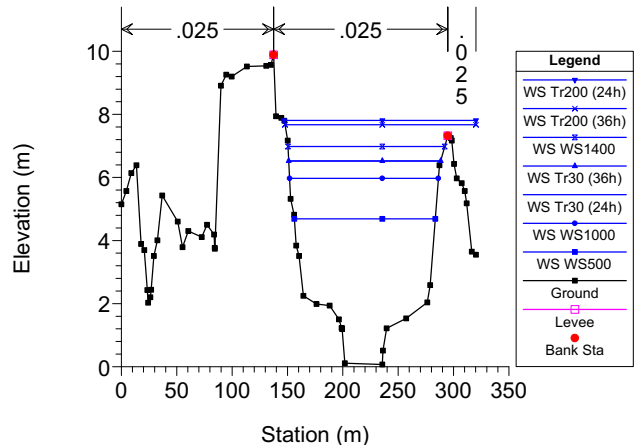
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 75 Sc-75-2015



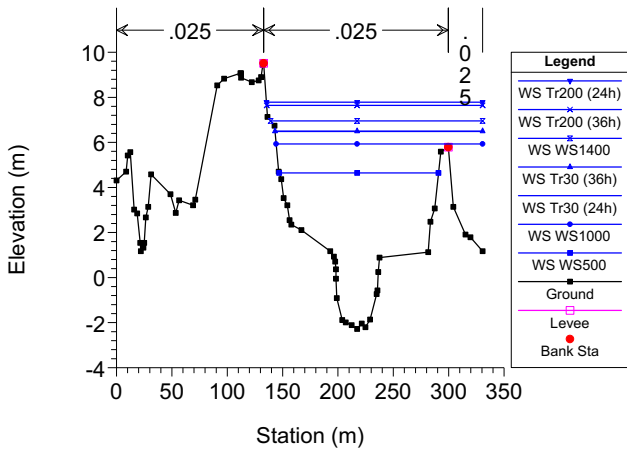
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 73 Sc-73-2015



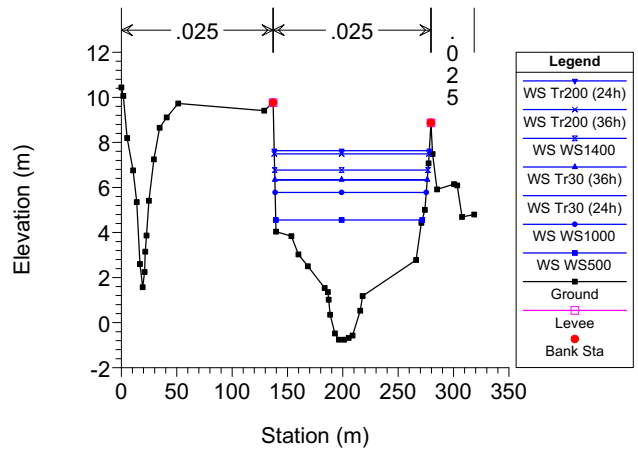
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 72 Sc-72-2015



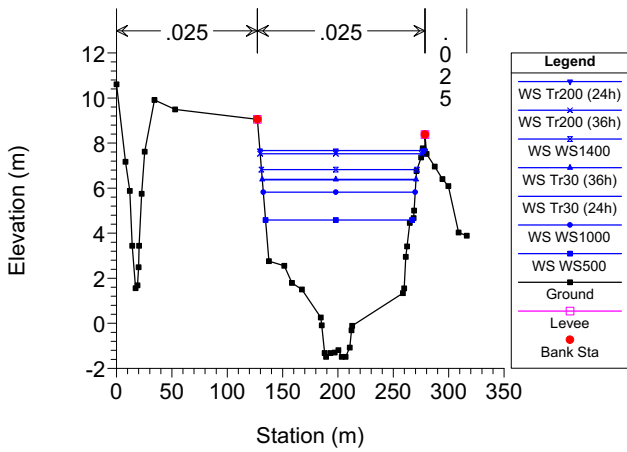
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 71 Sc-71-2015



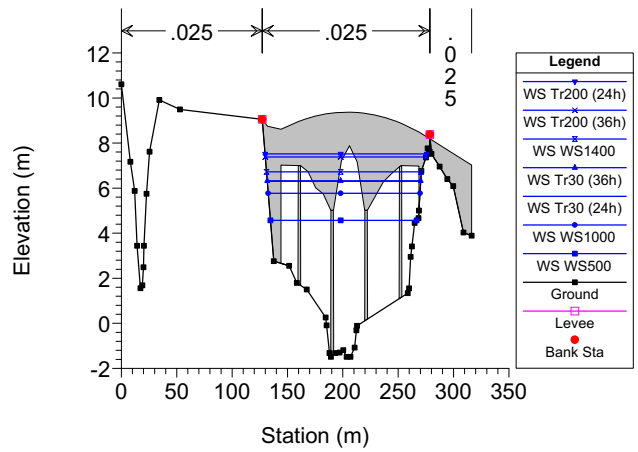
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 70.1 Sc-70.1-2015 (new)



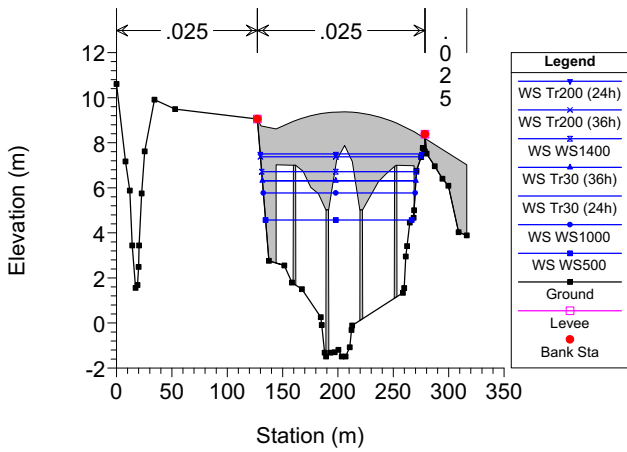
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 70 BR 70-2015-Ponte Emilia



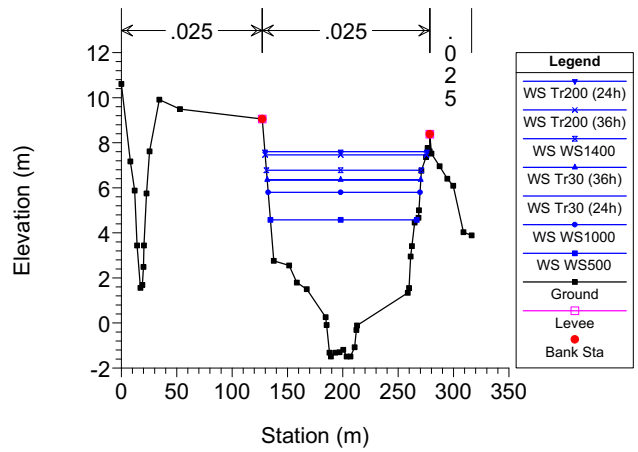
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 70 BR 70-2015-Ponte Emilia



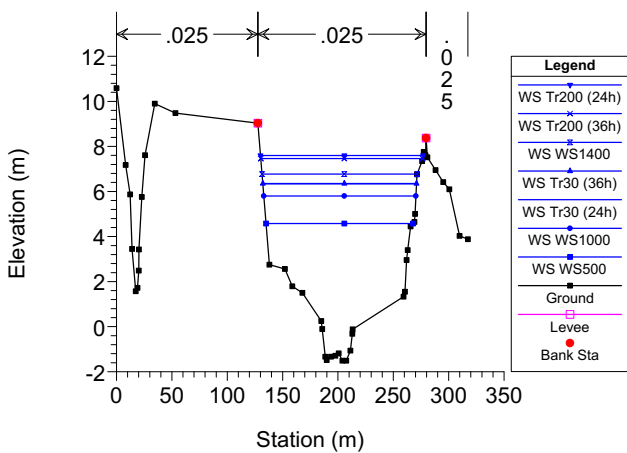
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 69.9 Sc-69.9-2015 (new)



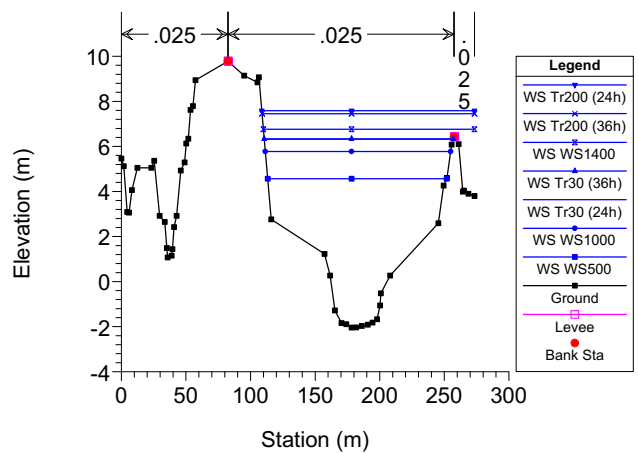
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 69 Sc-69-2015

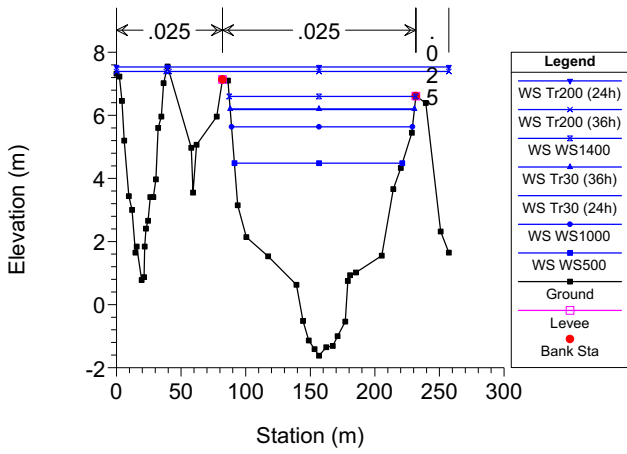


### Scolmatore Plan: Scolmatore\_2020

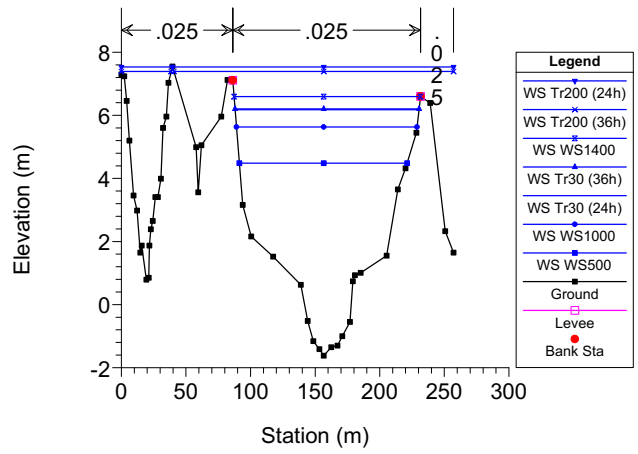
River = Scolmatore Reach = Scolmatore RS = 68 Sc-68-2015



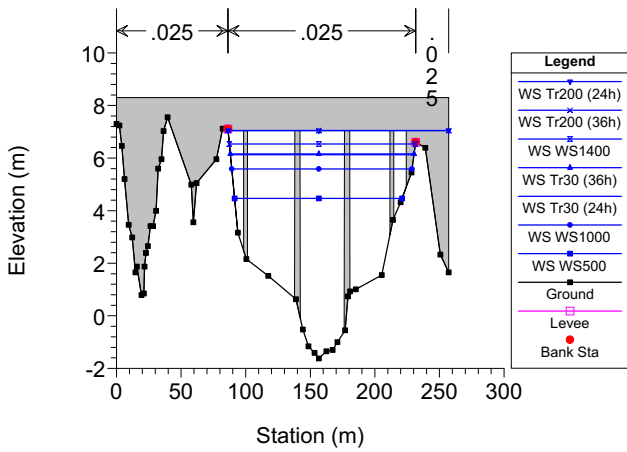
Scolmatore Plan: Scolmatore\_2020  
 River = Scolmatore Reach = Scolmatore RS = 67 Sc-67-2015



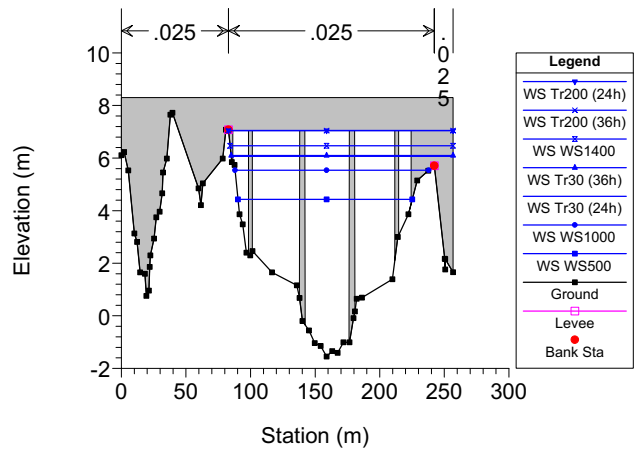
Scolmatore Plan: Scolmatore\_2020  
 River = Scolmatore Reach = Scolmatore RS = 66.1 Sc-66.1br-2015 (new) Ponte Ferrovia



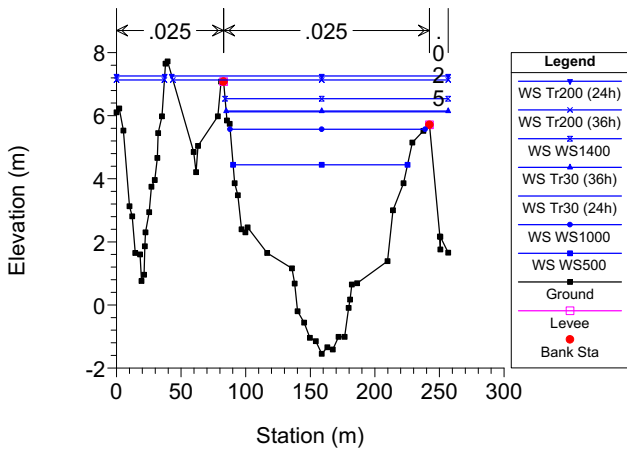
Scolmatore Plan: Scolmatore\_2020  
 River = Scolmatore Reach = Scolmatore RS = 66 BR 66-2015- Ponte Ferrovia



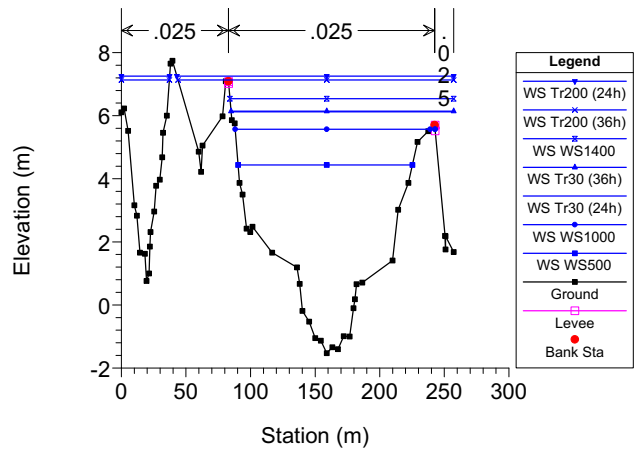
Scolmatore Plan: Scolmatore\_2020  
 River = Scolmatore Reach = Scolmatore RS = 66 BR 66-2015- Ponte Ferrovia



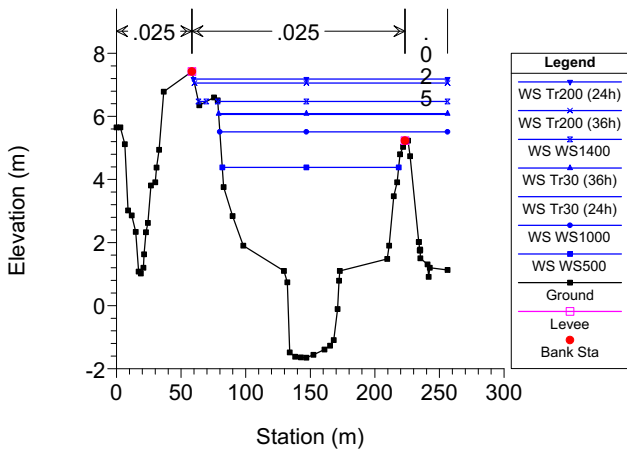
Scolmatore Plan: Scolmatore\_2020  
 River = Scolmatore Reach = Scolmatore RS = 65.9 Sc-65.9br-2015 (new) Ponte Ferrovia



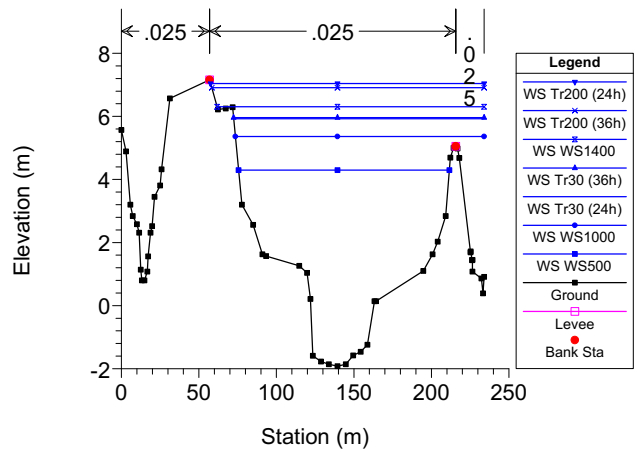
Scolmatore Plan: Scolmatore\_2020  
 River = Scolmatore Reach = Scolmatore RS = 65 Sc-65-new-2015



Scolmatore Plan: Scolmatore\_2020  
 River = Scolmatore Reach = Scolmatore RS = 64 Sc-64-2015



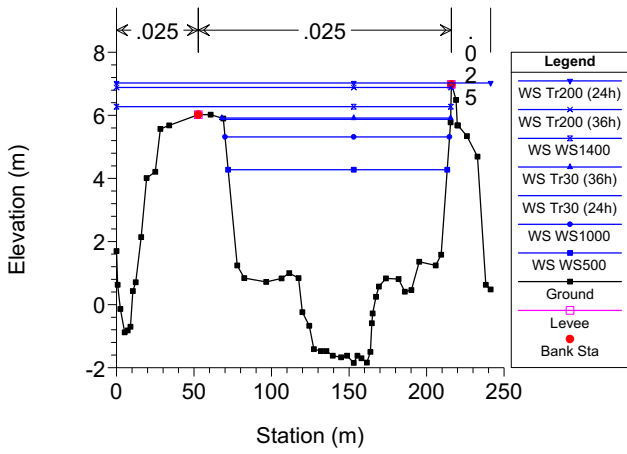
Scolmatore Plan: Scolmatore\_2020  
 River = Scolmatore Reach = Scolmatore RS = 63 Sc-63-2015





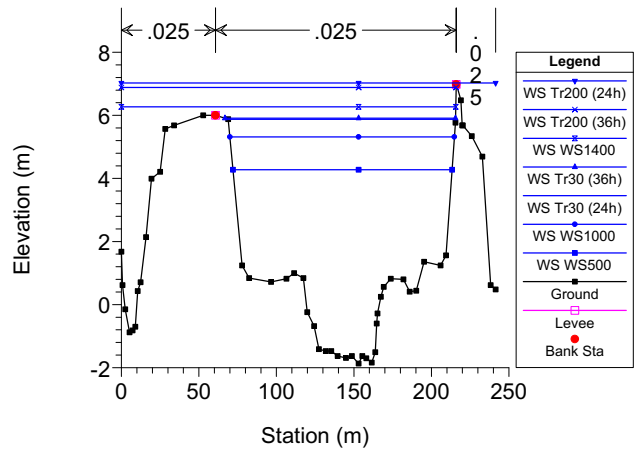
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 62 Sc-62-2015



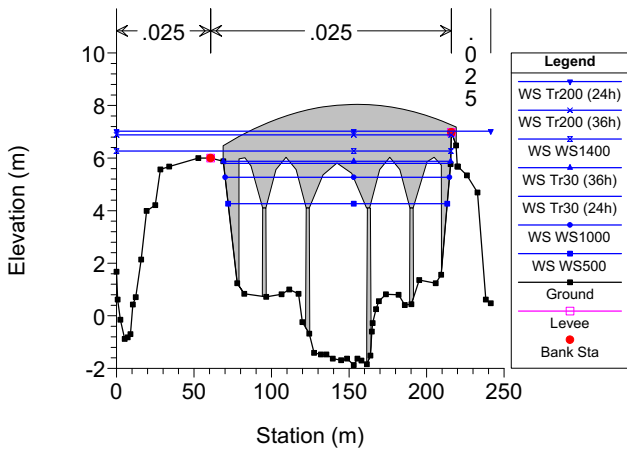
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 61.1 Sc-61.1-2015 (new)



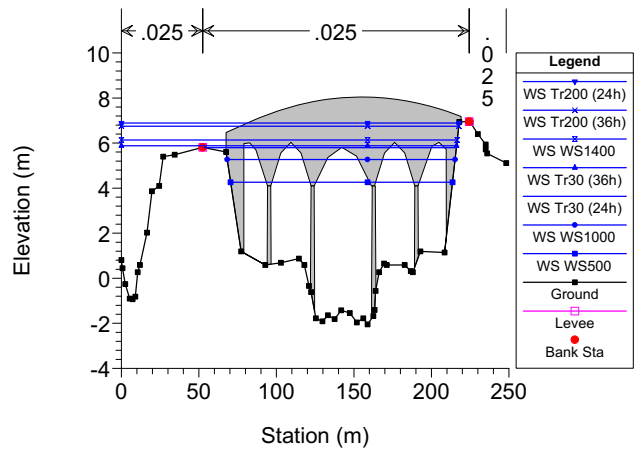
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 61 BR 61-2015-Ponte Mortaiolo



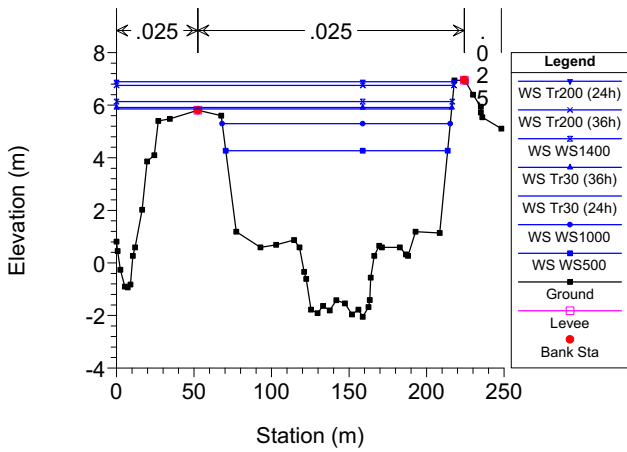
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 61 BR 61-2015-Ponte Mortaiolo



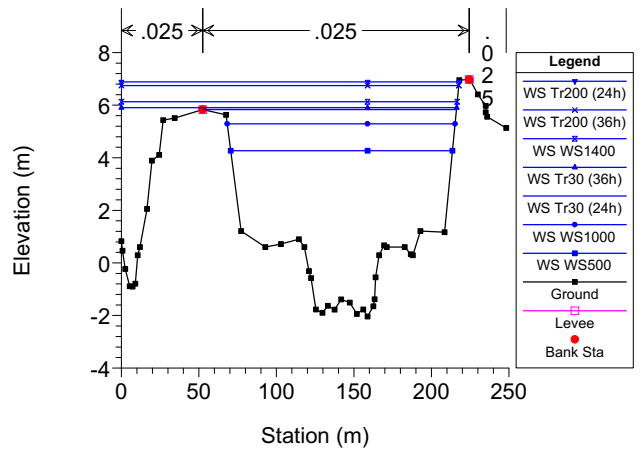
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 60.9 Sc-60.9-2015 (new)



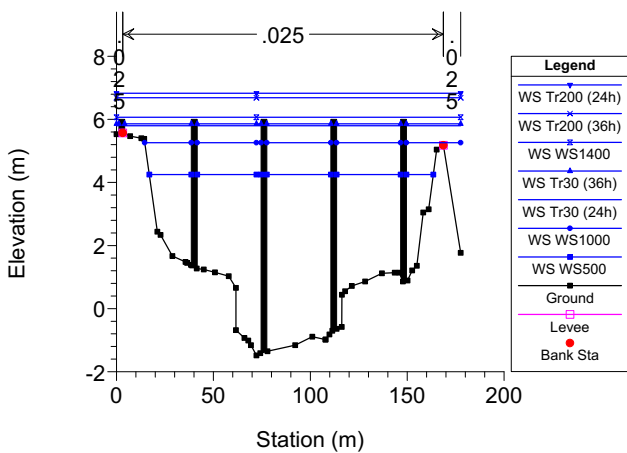
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 60 Sc-60-2015 (new)



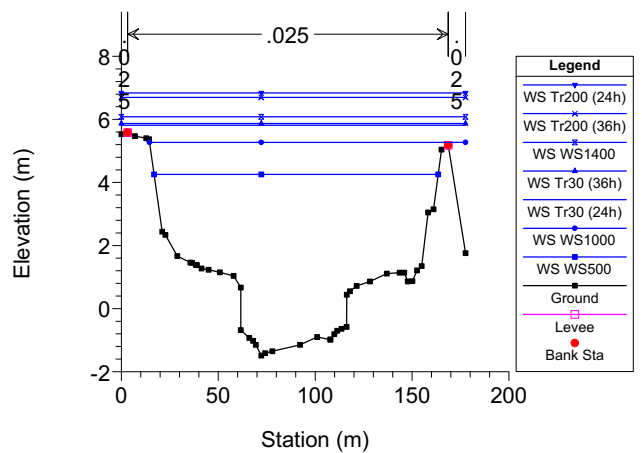
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 59.9 Sc-59.9br-2015 (new)



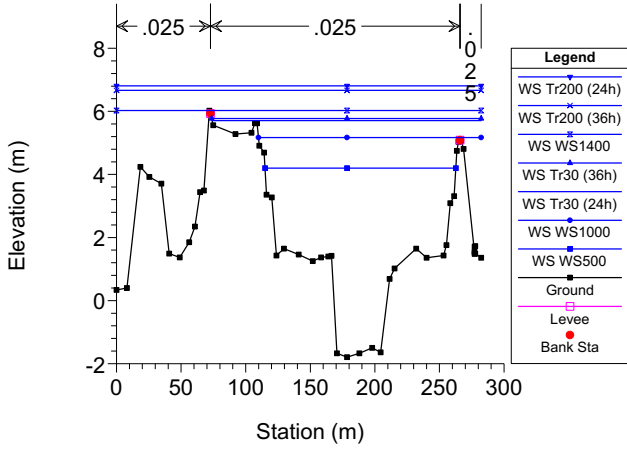
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 59.7 Sc-59.7 br-2015 (ex60)



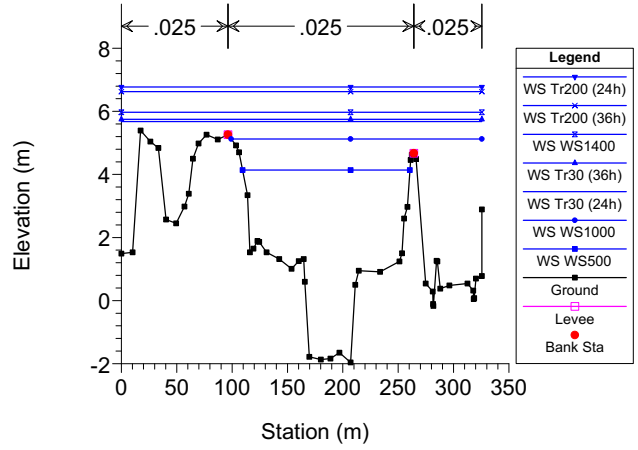
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 59 Sc-59-2015



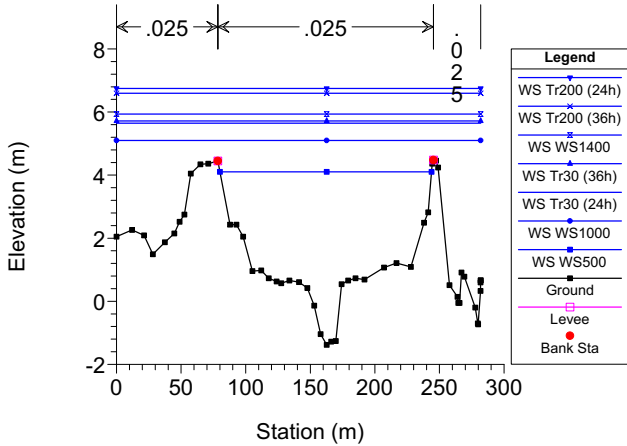
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 58 Sc-58-2015



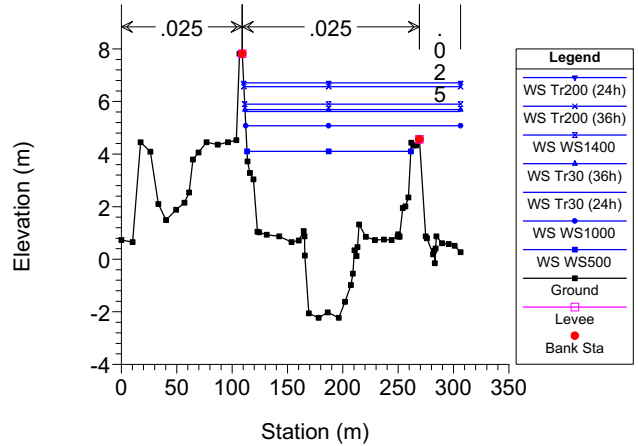
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 57 Sc-57-2015



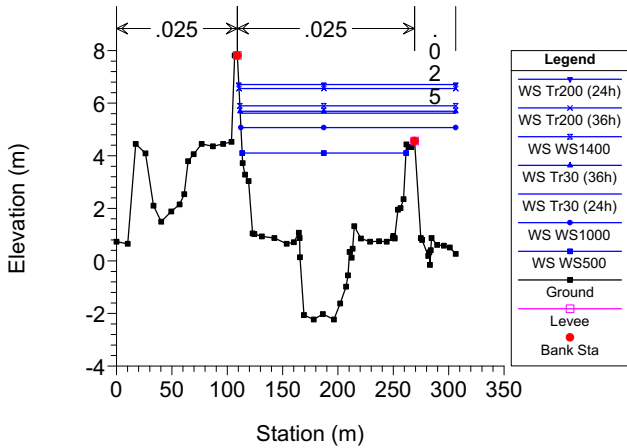
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 56.3 Sc-56.3-2015 (new)



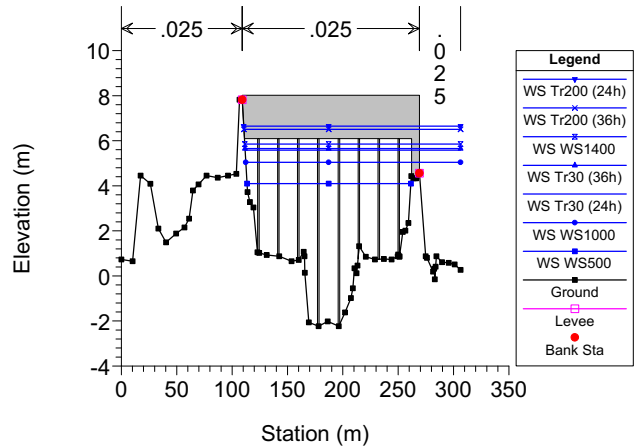
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 56.2 Sc-56.2br-2015 (new)



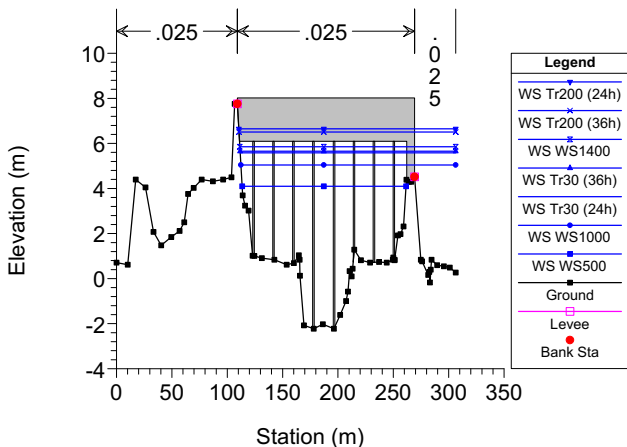
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 56.17 BR 56.17-2015- Ponte acquedotto



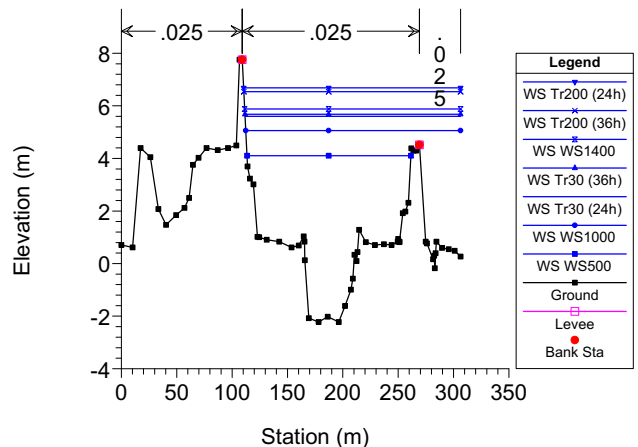
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 56.17 BR 56.17-2015- Ponte acquedotto



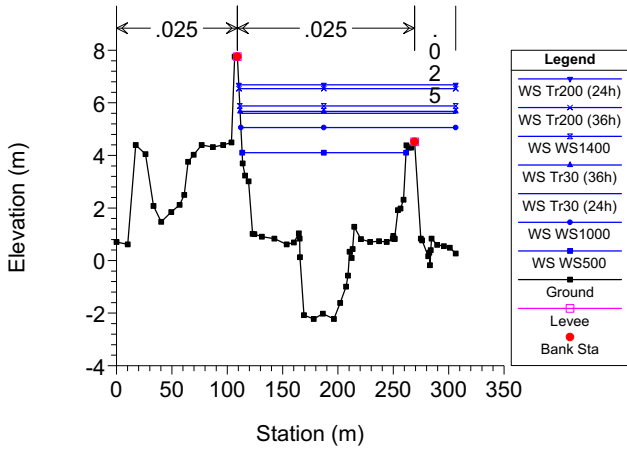
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 56 Sc-56-2015- (56.15br-2015)



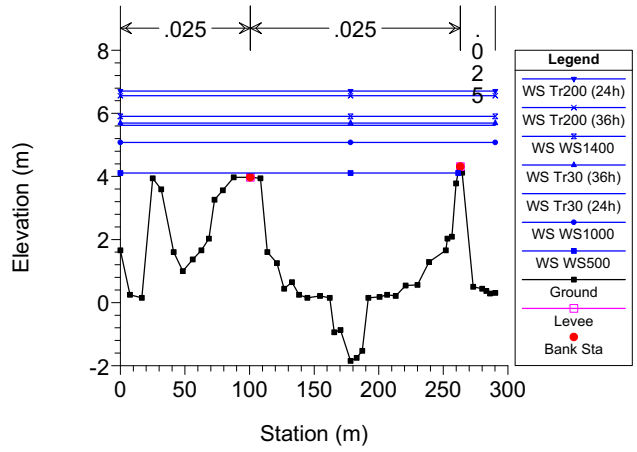
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 55.5 Sc-55.5-2015 (56.1)



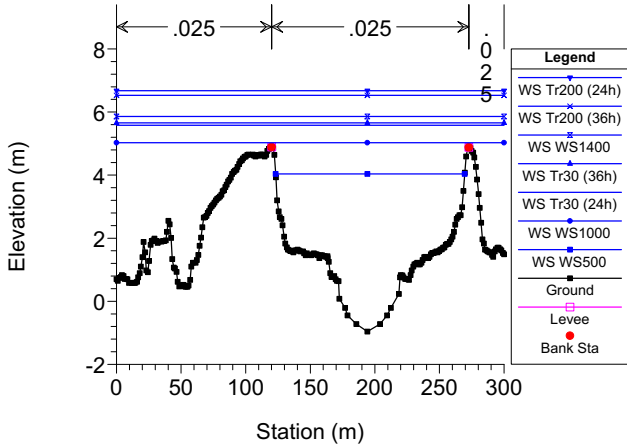
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 55 Sc-55-2015



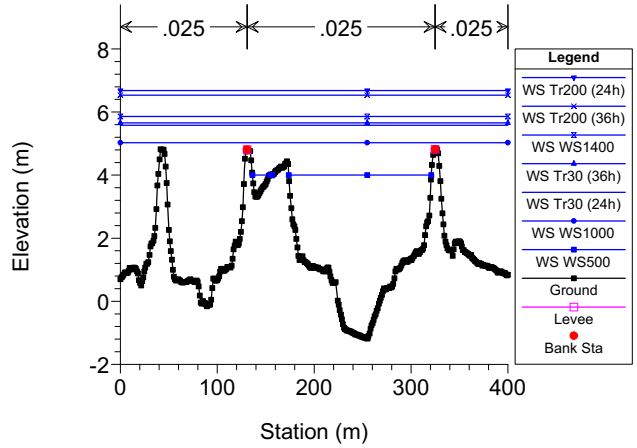
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 54 Sc-54-2015



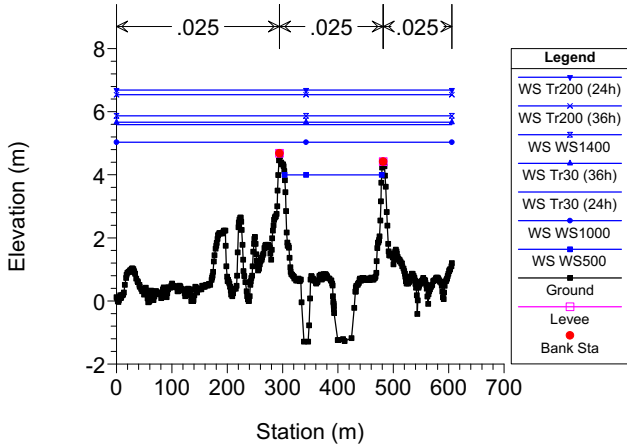
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 52 Sc-52-2015



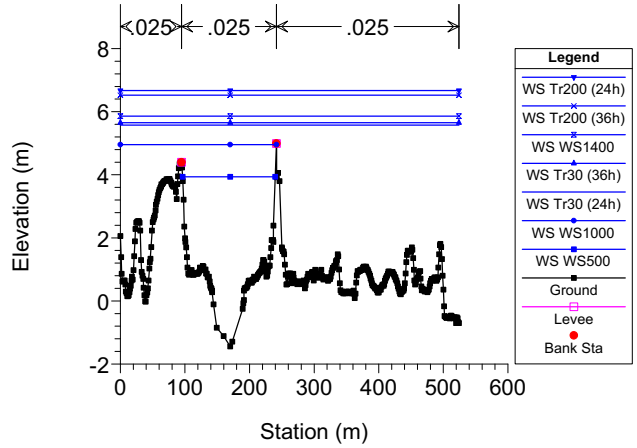
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 49 Sc-49-2015



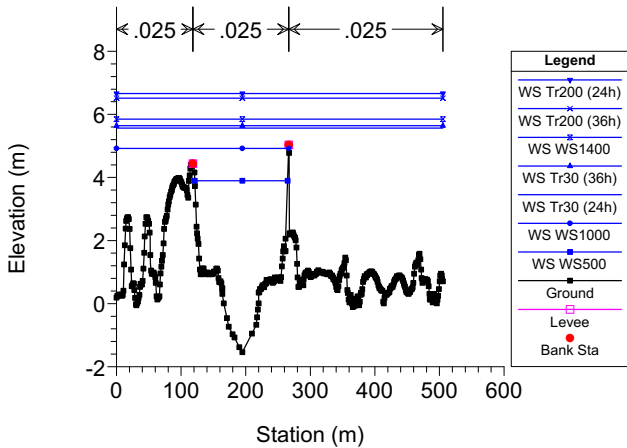
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 48 Sc-48-2015



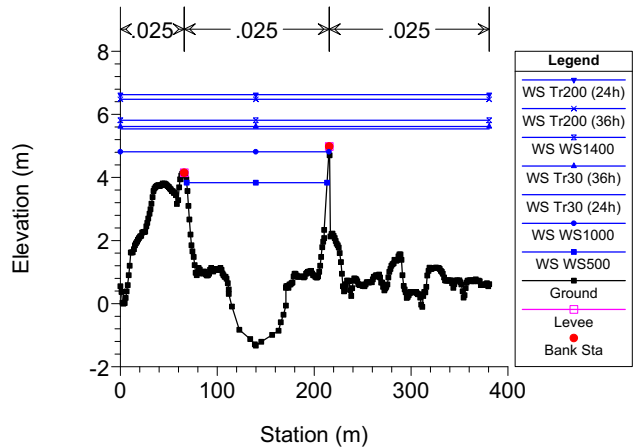
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 47 Sc-47-2015



### Scolmatore Plan: Scolmatore\_2020

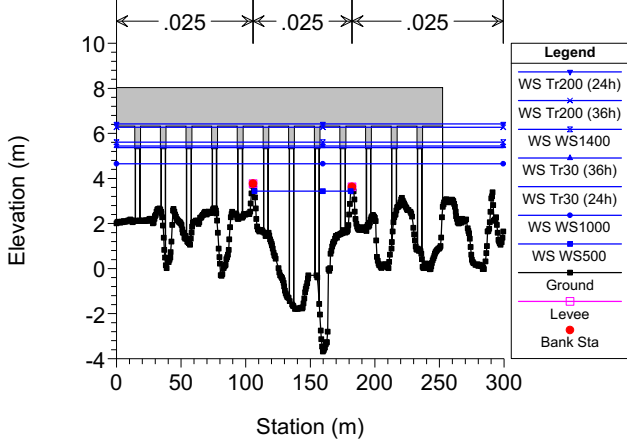
River = Scolmatore Reach = Scolmatore RS = 46 Sc-46-2015





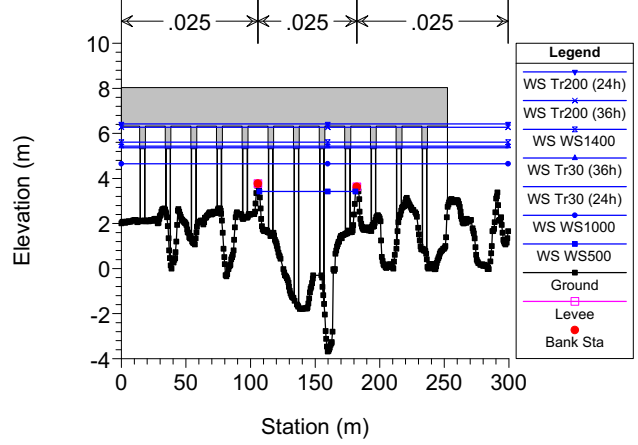
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 37 BR 37-2015- Viadotto A12



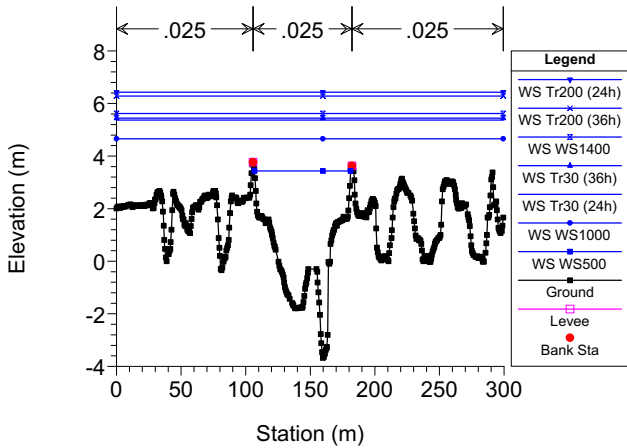
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 37 BR 37-2015- Viadotto A12



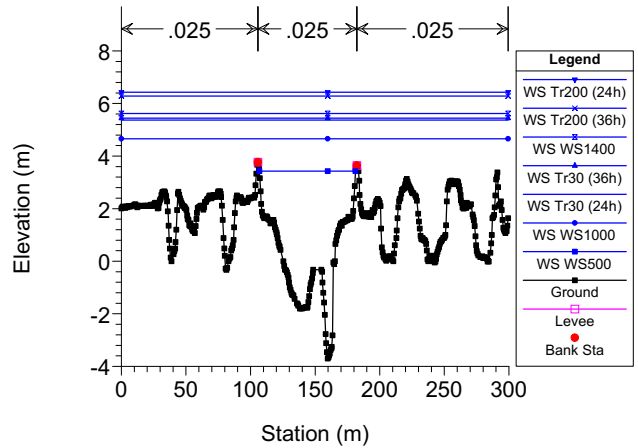
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 36.9 Sc-36.9br-2015 (new)



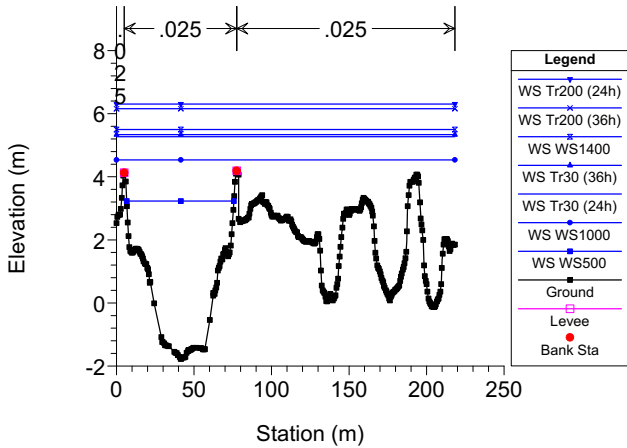
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 36 Sc-36-2015



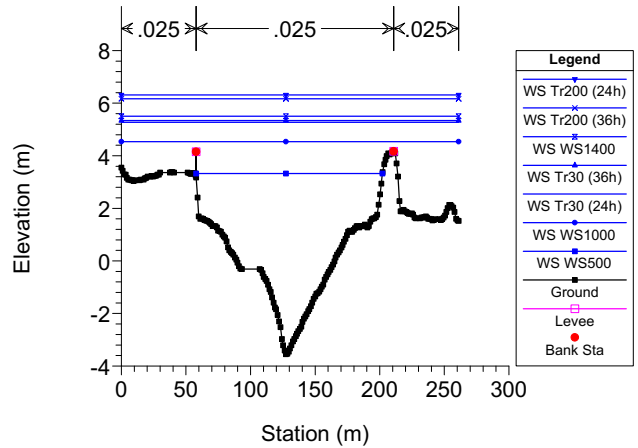
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 35 Sc-35-2015



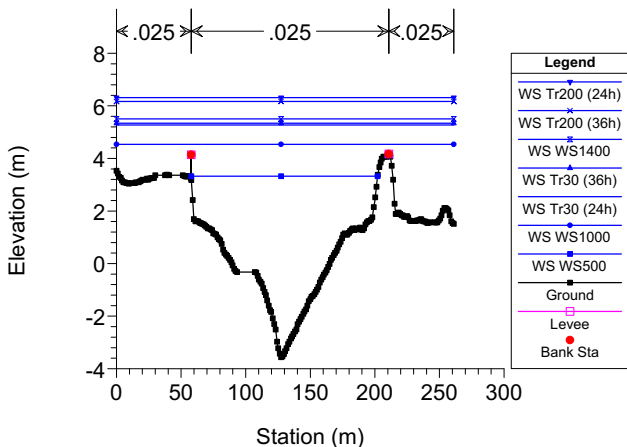
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 33 Sc-33-2015 (new)



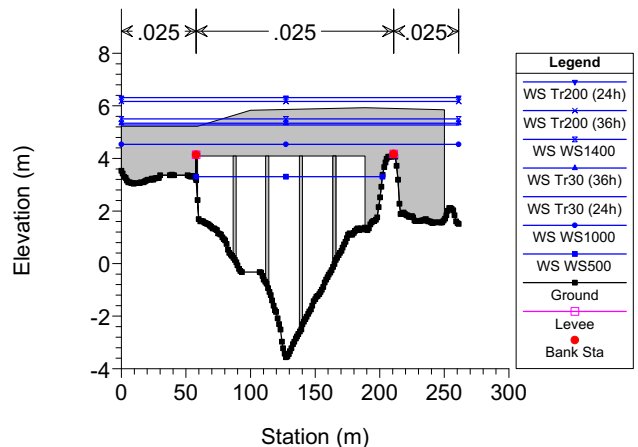
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 32.1 Sc-32.1b-2015r (new)



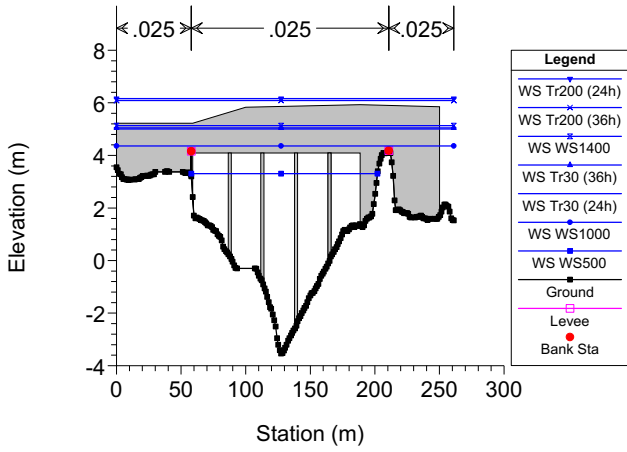
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 32 BR 32-2015 Ponte Aurelia



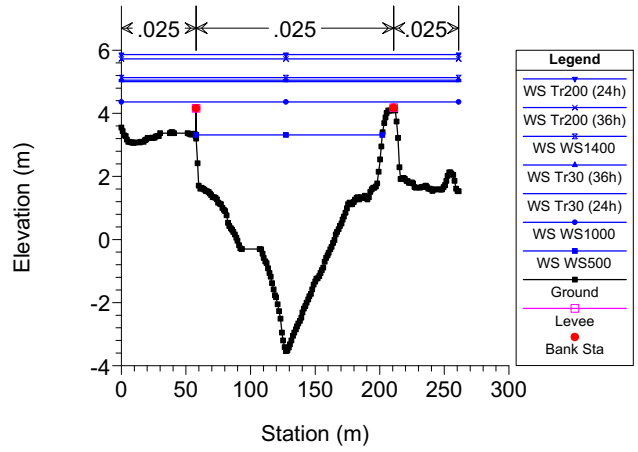
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 32 BR 32-2015 Ponte Aurelia



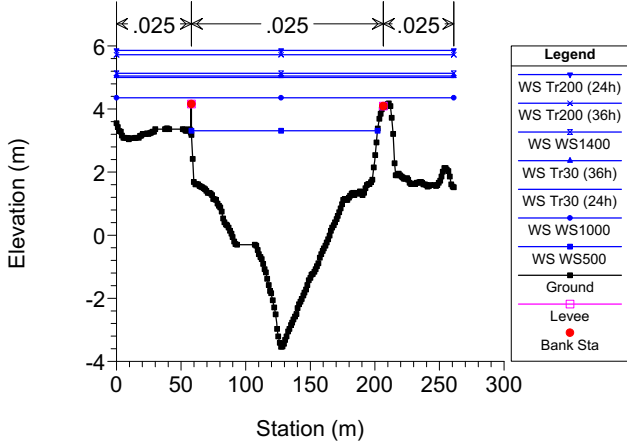
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 31 Sc-31-2015 (31.9br)



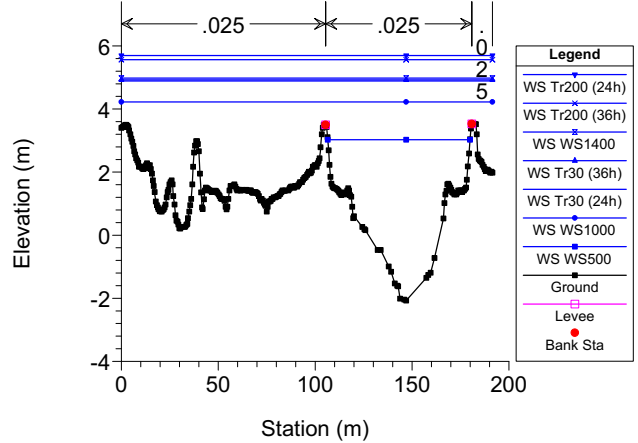
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 29 Sc-29-2915 (31.1)



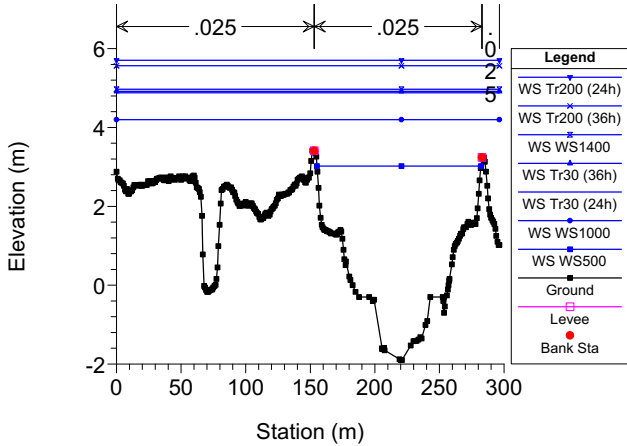
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 27 Sc-27-2015



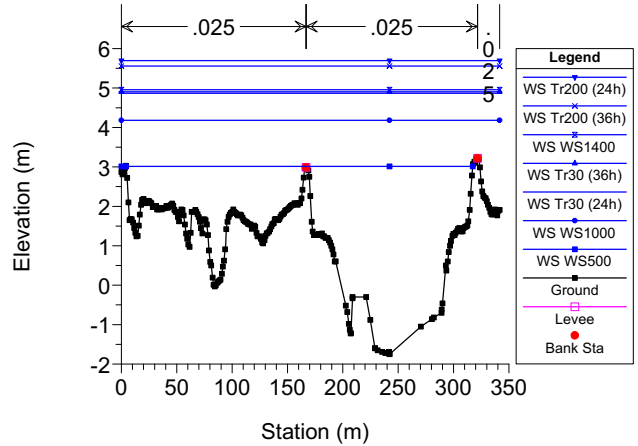
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 25 Sc-25-2015



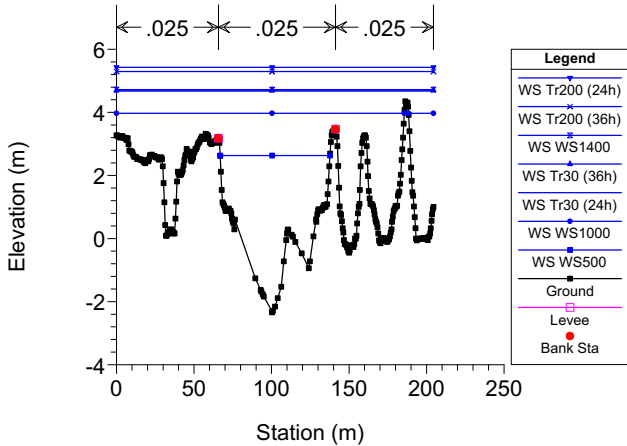
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 23 Sc-23-2015



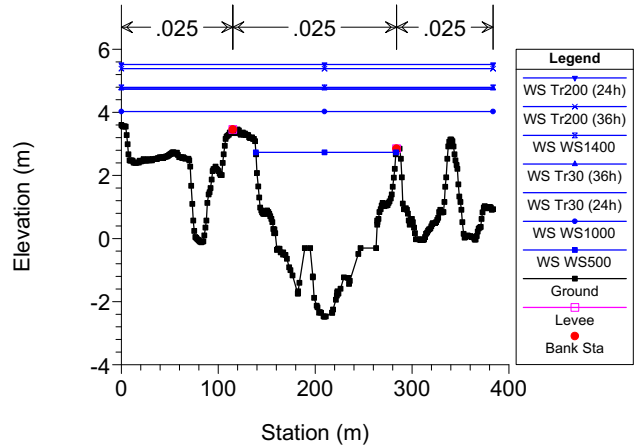
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 21 Sc-21-2015



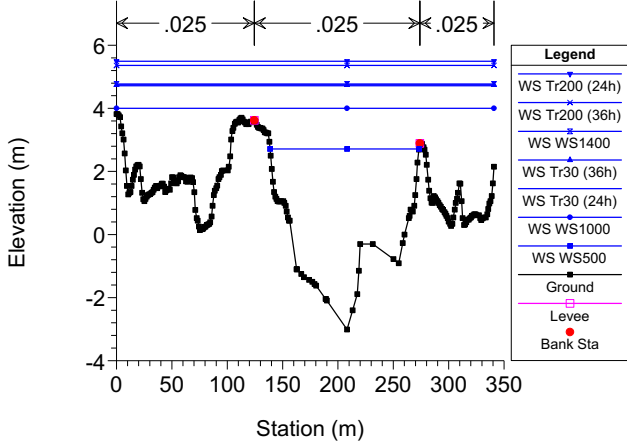
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 20 Sc-20-2015



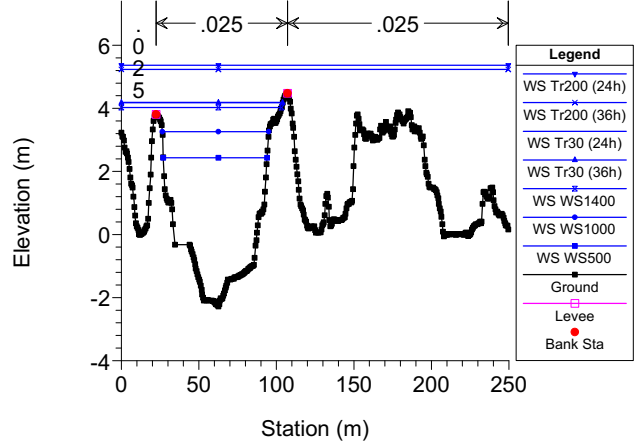
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 19 Sc-19-2015



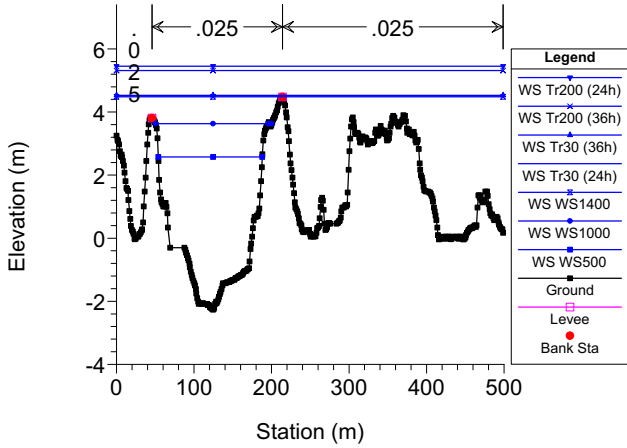
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 18 Sc-18-2015



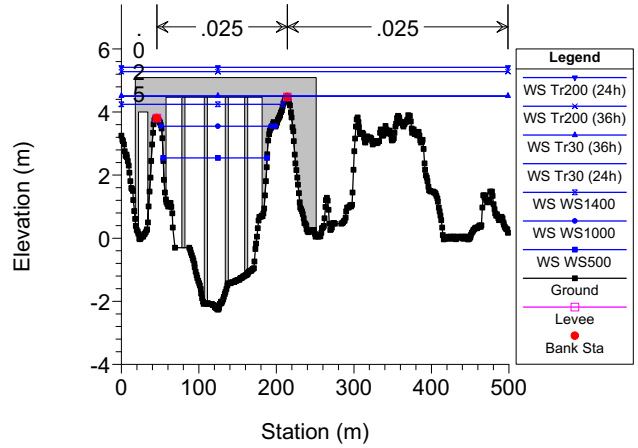
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 17.1 Sc-17.1br-2015- new



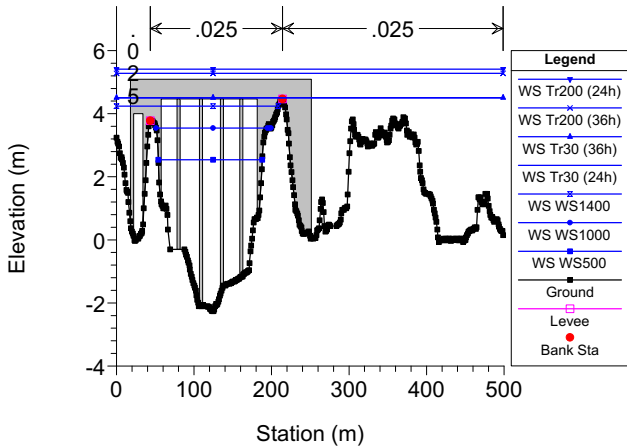
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 17 BR 17-2015- ponte ferrovia



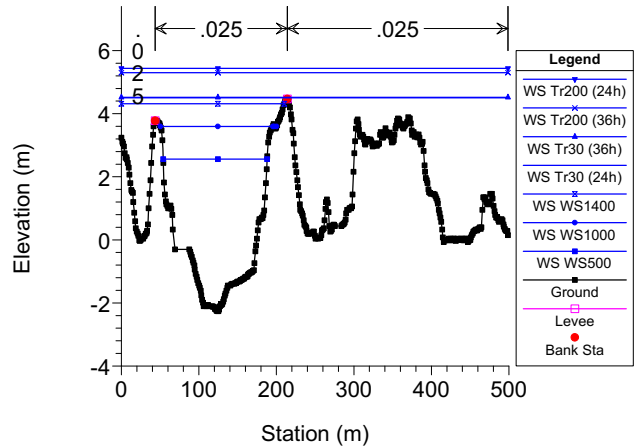
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 17 BR 17-2015- ponte ferrovia



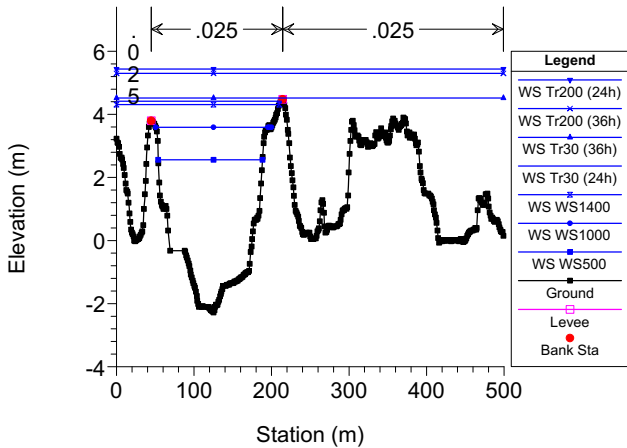
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 16.9 Sc-16.9br-2015- new



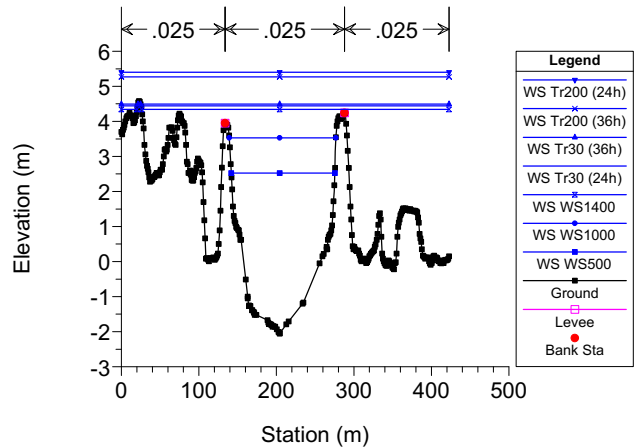
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 16 Sc-16-2015



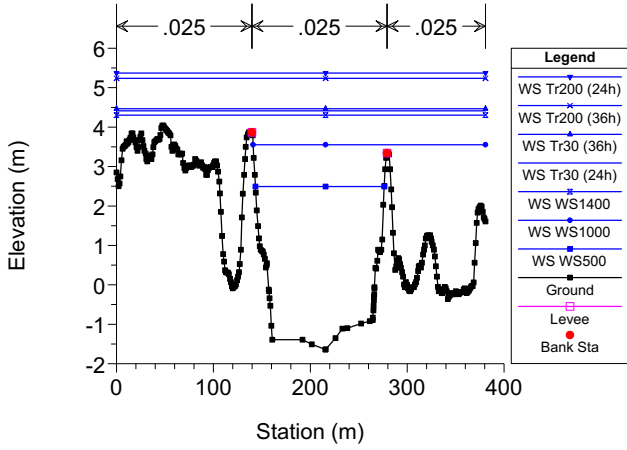
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 15 Sc-15-2015



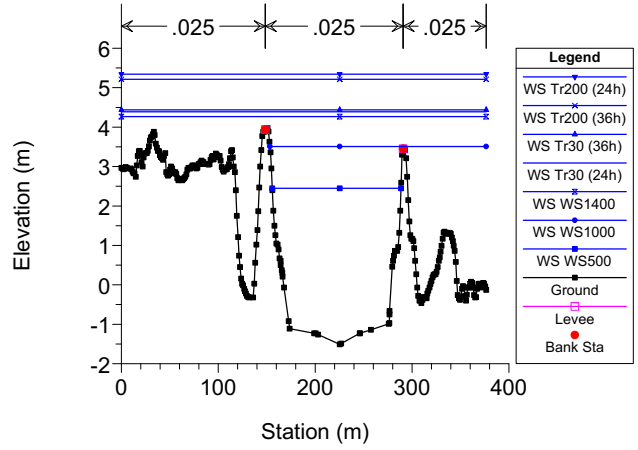
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 14 Sc-14-2015



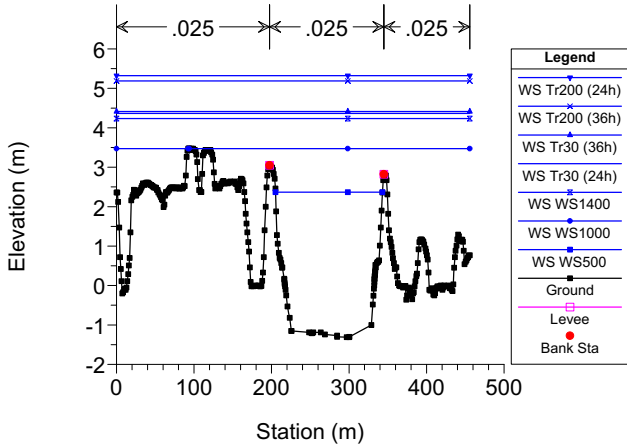
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 13 Sc-13-2015



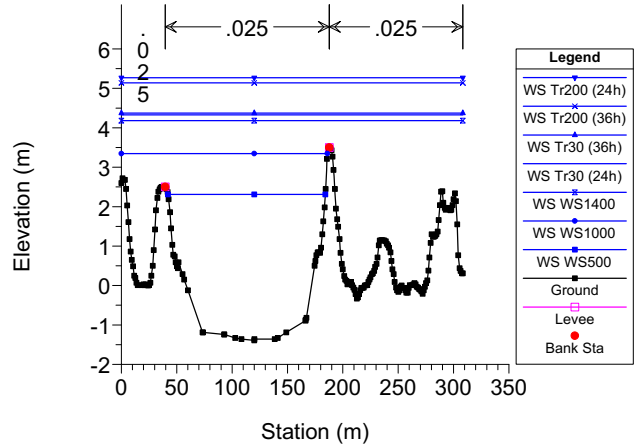
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 12 Sc-12-2015



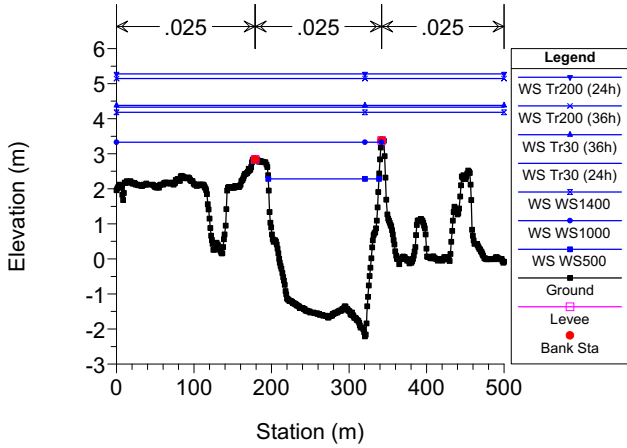
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 11 Sc-11-2015



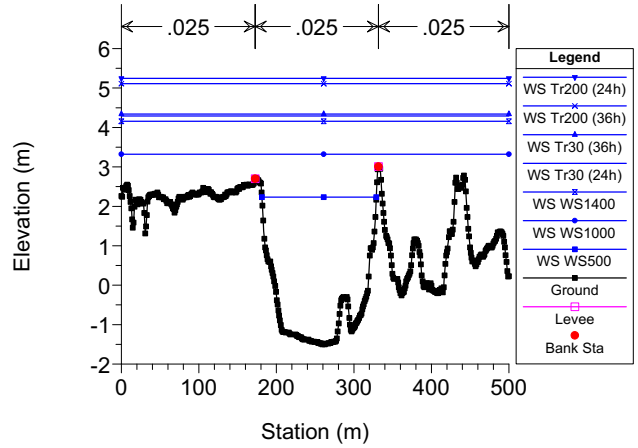
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 10 Sc-10-2015



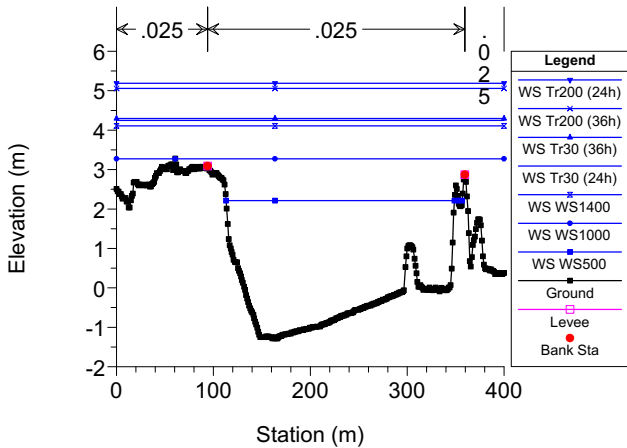
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 9 Sc-9-2015



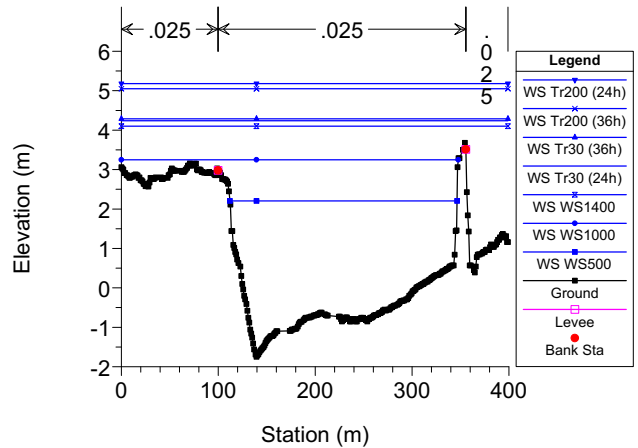
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 8 Sc-8-2015



### Scolmatore Plan: Scolmatore\_2020

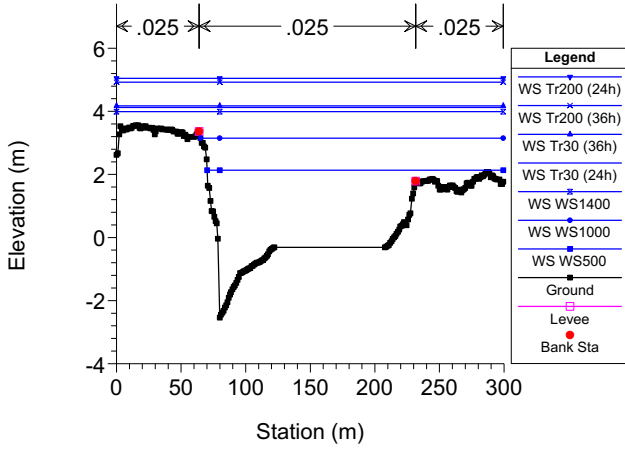
River = Scolmatore Reach = Scolmatore RS = 7 Sc-7-2015





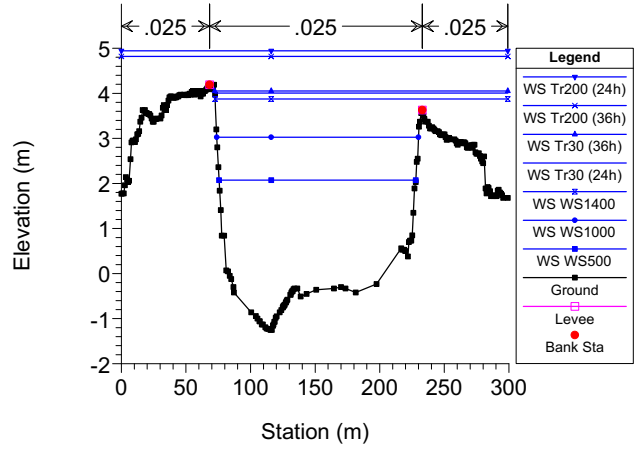
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 6 Sc-6-2015



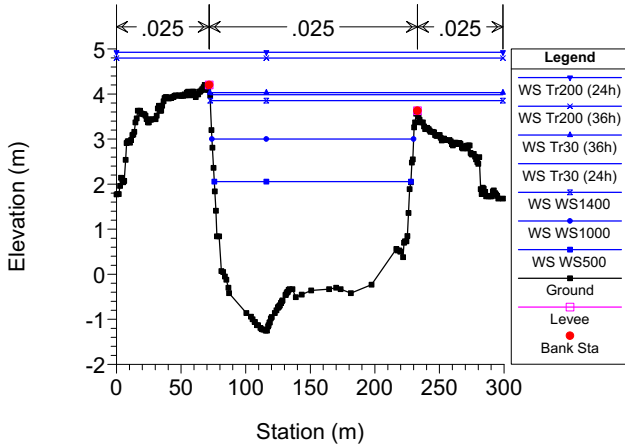
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 5 Sc-5-2015



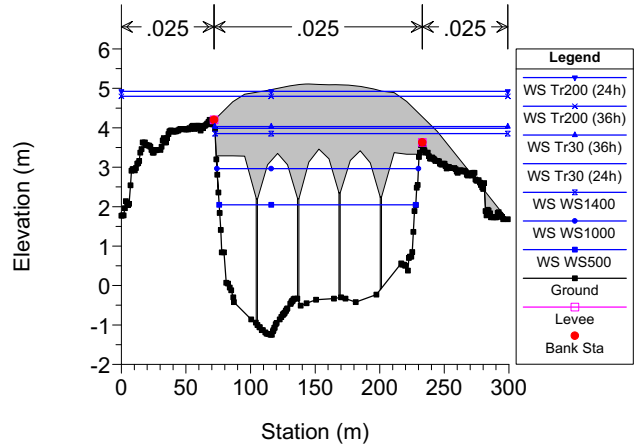
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 4.1 Sc-4.1br-2015 (new)



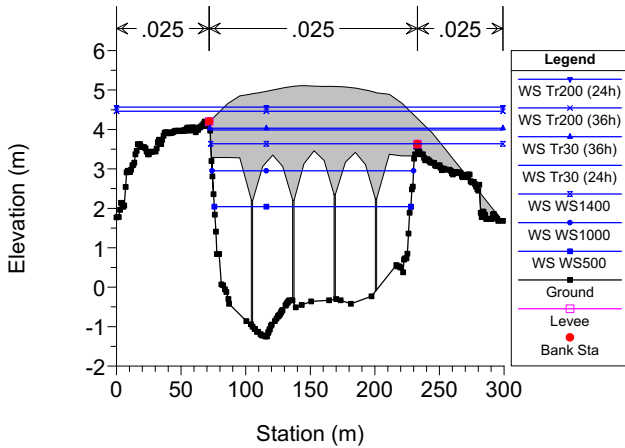
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 4.05 BR 4-2015- Ponte Calambrone



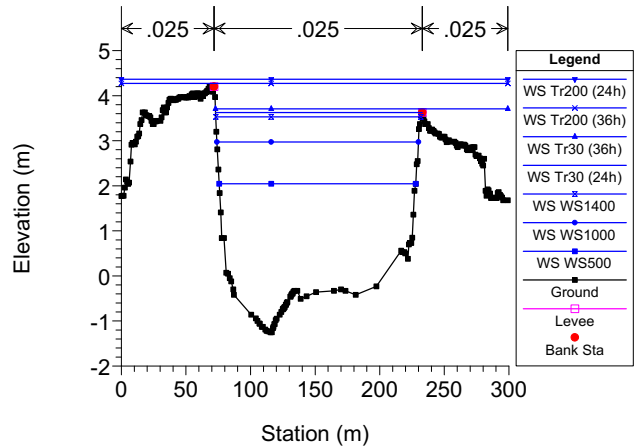
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 4.05 BR 4-2015- Ponte Calambrone



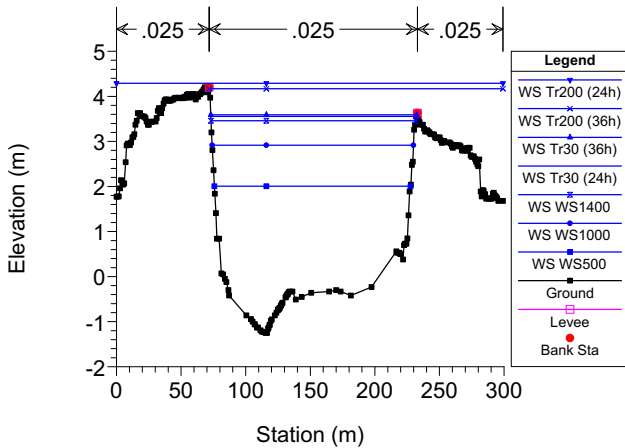
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 4 Sc-4-2015 (3.9br)



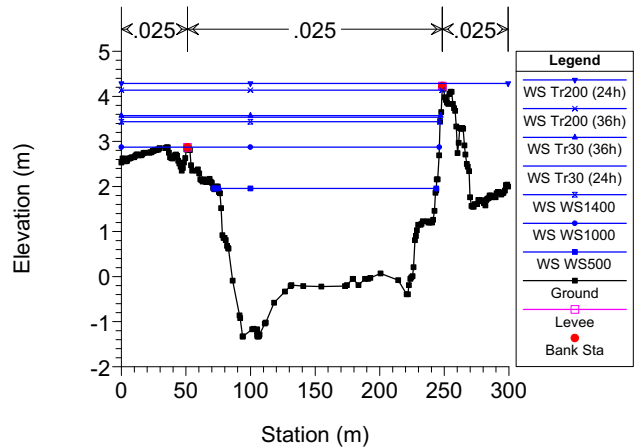
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 3 Sc-3-2015



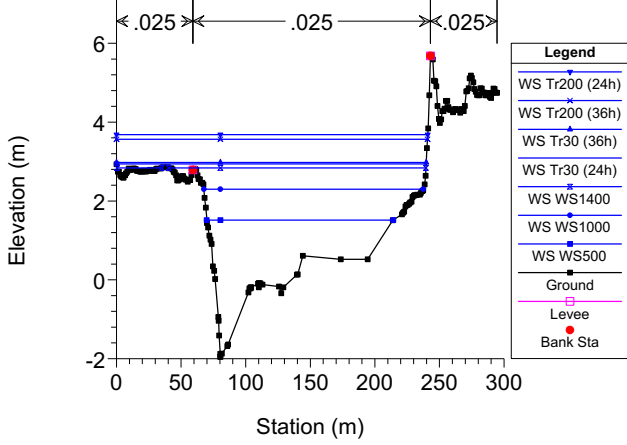
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 2 Sc-2-2015



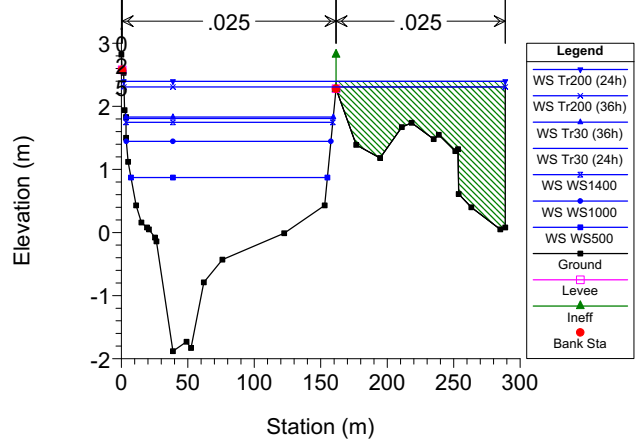
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 1 Sc-1-2015



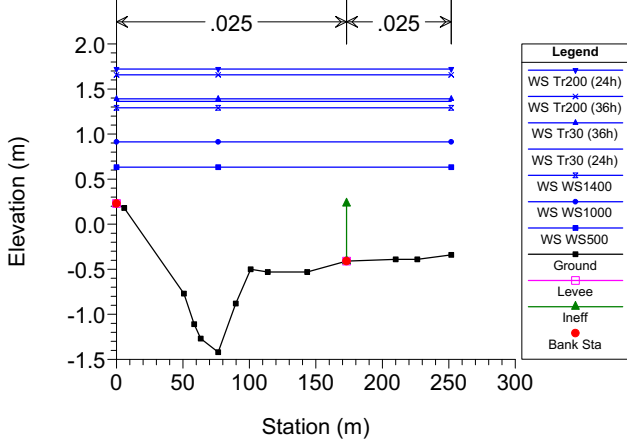
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 0.2 Sc-0.2-foce a-2015



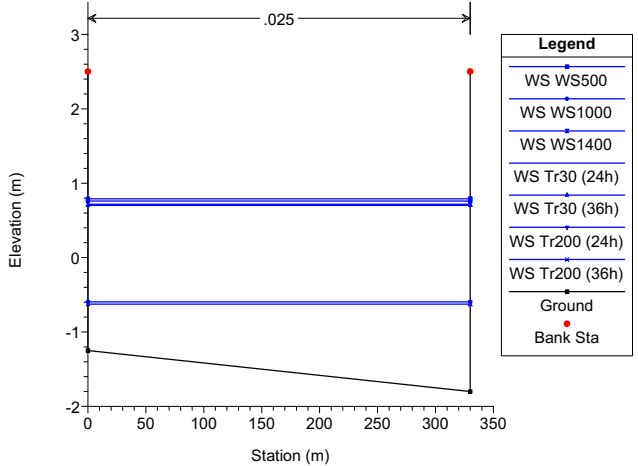
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 0.1 Sc-0.1-foce b-2015



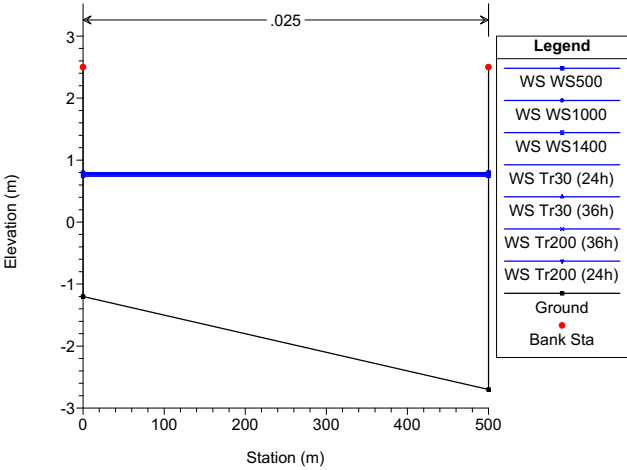
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 0.09



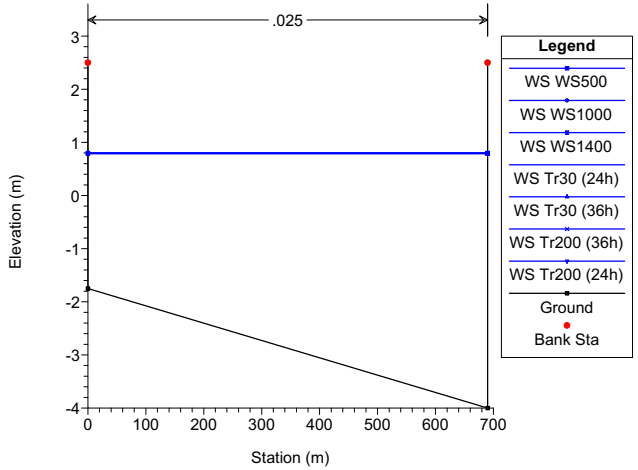
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 0.08



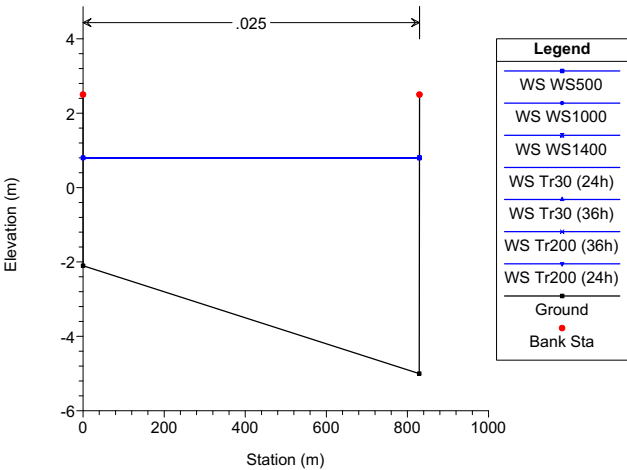
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 0.07



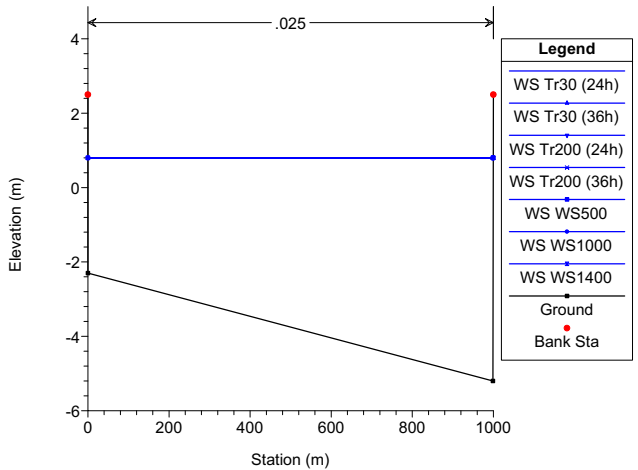
### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 0.06



### Scolmatore Plan: Scolmatore\_2020

River = Scolmatore Reach = Scolmatore RS = 0.05



Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude
			(m <sup>3</sup> /s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m <sup>2</sup> )	(m)	
Scolmatore	0.05	Tr30 (24h)	1480.4	-5.2	0.8	-3.49	0.81	9E-06	0.33	4547.49	999.74	0.05
Scolmatore	0.05	Tr30 (36h)	1512.03	-5.2	0.8	-3.47	0.81	9E-06	0.33	4547.49	999.74	0.05
Scolmatore	0.05	Tr200 (24h)	2145.22	-5.2	0.8	-3.21	0.81	1.9E-05	0.47	4547.49	999.74	0.07
Scolmatore	0.05	Tr200 (36h)	2037.78	-5.2	0.8	-3.25	0.81	1.7E-05	0.45	4547.49	999.74	0.07
Scolmatore	0.05	WS500	500	-5.2	0.8	-4.09	0.8	1E-06	0.11	4547.49	999.74	0.02
Scolmatore	0.05	WS1000	1000	-5.2	0.8	-3.73	0.8	4E-06	0.22	4547.49	999.74	0.03
Scolmatore	0.05	WS1400	1400	-5.2	0.8	-3.53	0.8	8E-06	0.31	4547.49	999.74	0.05
Scolmatore	0.06	Tr30 (24h)	1480.4	-5	0.8		0.81	1.5E-05	0.41	3607.23	829.74	0.06
Scolmatore	0.06	Tr30 (36h)	1512.03	-5	0.8		0.81	1.6E-05	0.42	3607.19	829.74	0.06
Scolmatore	0.06	Tr200 (24h)	2145.22	-5	0.8		0.82	3.2E-05	0.59	3606.23	829.74	0.09
Scolmatore	0.06	Tr200 (36h)	2037.78	-5	0.8		0.81	2.8E-05	0.57	3606.42	829.74	0.09
Scolmatore	0.06	WS500	500	-5	0.8		0.8	2E-06	0.14	3608.03	829.74	0.02
Scolmatore	0.06	WS1000	1000	-5	0.8		0.8	7E-06	0.28	3607.72	829.74	0.04
Scolmatore	0.06	WS1400	1400	-5	0.8		0.81	1.3E-05	0.39	3607.33	829.74	0.06
Scolmatore	0.07	Tr30 (24h)	1480.4	-4	0.8		0.81	3.8E-05	0.58	2532.24	689.99	0.1
Scolmatore	0.07	Tr30 (36h)	1512.03	-4	0.79		0.81	0.00004	0.6	2532.09	689.99	0.1
Scolmatore	0.07	Tr200 (24h)	2145.22	-4	0.79		0.83	8.1E-05	0.85	2528.4	689.99	0.14
Scolmatore	0.07	Tr200 (36h)	2037.78	-4	0.79		0.82	7.3E-05	0.81	2529.12	689.99	0.13
Scolmatore	0.07	WS500	500	-4	0.8		0.8	4E-06	0.2	2535.29	689.99	0.03
Scolmatore	0.07	WS1000	1000	-4	0.8		0.81	1.7E-05	0.39	2534.12	689.99	0.07
Scolmatore	0.07	WS1400	1400	-4	0.8		0.81	3.4E-05	0.55	2532.6	689.99	0.09
Scolmatore	0.08	Tr30 (24h)	1480.4	-2.7	0.77		0.83	0.0002	1.09	1361.19	499.99	0.21
Scolmatore	0.08	Tr30 (36h)	1512.03	-2.7	0.77		0.83	0.00021	1.11	1360.57	499.99	0.22
Scolmatore	0.08	Tr200 (24h)	2145.22	-2.7	0.74	-0.72	0.87	0.00043	1.59	1345.07	499.99	0.31
Scolmatore	0.08	Tr200 (36h)	2037.78	-2.7	0.75	-0.76	0.86	0.00039	1.51	1348.16	499.99	0.29
Scolmatore	0.08	WS500	500	-2.7	0.8		0.8	2.2E-05	0.36	1373.46	499.99	0.07
Scolmatore	0.08	WS1000	1000	-2.7	0.79		0.81	8.8E-05	0.73	1368.8	499.99	0.14
Scolmatore	0.08	WS1400	1400	-2.7	0.78		0.83	0.00018	1.03	1362.68	499.99	0.2
Scolmatore	0.09	Tr30 (24h)	1480.4	-1.8	0.71	-0.25	0.91	0.00088	2.01	736.56	329.99	0.43
Scolmatore	0.09	Tr30 (36h)	1512.03	-1.8	0.7	-0.24	0.92	0.00093	2.06	735.08	329.99	0.44
Scolmatore	0.09	Tr200 (24h)	2145.22	-1.8	-0.6	0.09	1.9	0.03402	7	306.55	329.98	2.32
Scolmatore	0.09	Tr200 (36h)	2037.78	-1.8	-0.63	0.04	1.78	0.03424	6.87	296.64	329.98	2.31
Scolmatore	0.09	WS500	500	-1.8	0.79		0.81	8.9E-05	0.65	764.07	329.99	0.14
Scolmatore	0.09	WS1000	1000	-1.8	0.76	-0.55	0.85	0.00037	1.33	754.04	329.99	0.28
Scolmatore	0.09	WS1400	1400	-1.8	0.72	-0.3	0.9	0.00078	1.89	740.13	329.99	0.4
Scolmatore	0.1	Tr30 (24h)	1480.4	-1.42	1.36	1.36	2.34	0.00496	4.38	337.88	251.79	1
Scolmatore	0.1	Tr30 (36h)	1512.03	-1.42	1.39	1.39	2.38	0.00493	4.41	342.84	251.79	1
Scolmatore	0.1	Tr200 (24h)	2145.22	-1.42	1.72	1.91	3.19	0.00596	5.36	399.86	251.79	1.13
Scolmatore	0.1	Tr200 (36h)	2037.78	-1.42	1.66	1.83	3.06	0.00589	5.24	388.93	251.79	1.12
Scolmatore	0.1	WS500	500	-1.42	0.63	0.36	0.92	0.00269	2.37	211.41	251.79	0.68
Scolmatore	0.1	WS1000	1000	-1.42	0.91	0.91	1.67	0.00539	3.84	260.18	251.79	1
Scolmatore	0.1	WS1400	1400	-1.42	1.29	1.29	2.23	0.00502	4.3	325.6	251.79	1
Scolmatore	0.2	Tr30 (24h)	1480.4	-1.88	1.81	1.79	2.84	0.00474	4.51	328.14	155.8	0.99
Scolmatore	0.2	Tr30 (36h)	1512.03	-1.88	1.83	1.83	2.89	0.00477	4.56	331.9	155.92	1
Scolmatore	0.2	Tr200 (24h)	2145.22	-1.88	2.4	2.4	3.72	0.00448	5.09	421.36	286.96	1
Scolmatore	0.2	Tr200 (36h)	2037.78	-1.88	2.31	2.31	3.58	0.00453	5	407.23	286.85	1
Scolmatore	0.2	WS500	500	-1.88	0.87	0.66	1.24	0.00336	2.7	185.48	147.8	0.77
Scolmatore	0.2	WS1000	1000	-1.88	1.44	1.3	2.13	0.00397	3.68	271.98	153.9	0.88
Scolmatore	0.2	WS1400	1400	-1.88	1.75	1.72	2.73	0.00466	4.39	318.8	155.52	0.98
Scolmatore	1	Tr30 (24h)	1480.4	-1.95	2.94	2.39	3.52	0.00226	3.39	446.32	239.69	0.7
Scolmatore	1	Tr30 (36h)	1512.03	-1.95	2.98	2.42	3.56	0.00223	3.4	455.76	239.75	0.7
Scolmatore	1	Tr200 (24h)	2145.22	-1.95	3.68	3.08	4.32	0.0018	3.61	625.03	240.92	0.65
Scolmatore	1	Tr200 (36h)	2037.78	-1.95	3.57	2.98	4.2	0.00187	3.58	596.91	240.71	0.66
Scolmatore	1	WS500	500	-1.95	1.52	1.18	1.84	0.00263	2.52	198.39	144.38	0.69

Scolmatore	1	WS1000	1000	-1.95	2.3	1.86	2.79	0.00262	3.11	321.28	170.01	0.72
Scolmatore	1	WS1400	1400	-1.95	2.84	2.31	3.41	0.00234	3.36	422.38	233.7	0.71
Scolmatore	2	Tr30 (24h)	1480.4	-1.33	3.54	1.86	3.78	0.00063	2.22	693.58	247.09	0.39
Scolmatore	2	Tr30 (36h)	1512.03	-1.33	3.57	1.89	3.82	0.00063	2.24	702.86	247.26	0.39
Scolmatore	2	Tr200 (24h)	2145.22	-1.33	4.28	2.49	4.56	0.00057	2.4	972.95	299.4	0.38
Scolmatore	2	Tr200 (36h)	2037.78	-1.33	4.14	2.41	4.45	0.00066	2.53	842.17	248.35	0.41
Scolmatore	2	WS500	500	-1.33	1.96	0.73	2.06	0.00049	1.43	350.16	169.98	0.32
Scolmatore	2	WS1000	1000	-1.33	2.87	1.39	3.06	0.00062	1.92	529.71	246.14	0.37
Scolmatore	2	WS1400	1400	-1.33	3.44	1.79	3.67	0.00062	2.17	669.21	246.69	0.39
Scolmatore	3	Tr30 (24h)	1480.4	-1.25	3.55	1.83	3.87	0.0007	2.51	590.11	158.98	0.42
Scolmatore	3	Tr30 (36h)	1512.03	-1.25	3.59	1.86	3.92	0.00071	2.54	595.78	159.44	0.42
Scolmatore	3	Tr200 (24h)	2145.22	-1.25	4.29	2.44	4.65	0.00067	2.76	868.52	299.1	0.42
Scolmatore	3	Tr200 (36h)	2037.78	-1.25	4.17	2.35	4.54	0.0007	2.76	789.35	227.3	0.43
Scolmatore	3	WS500	500	-1.25	2.01	0.69	2.11	0.00042	1.43	349.91	151.88	0.3
Scolmatore	3	WS1000	1000	-1.25	2.92	1.33	3.13	0.00057	2.04	490.04	155.83	0.37
Scolmatore	3	WS1400	1400	-1.25	3.46	1.75	3.76	0.00067	2.43	575.23	158.41	0.41
Scolmatore	4	Tr30 (24h)	1480.4	-1.25	3.63	1.83	3.93	0.00066	2.46	601.67	159.96	0.4
Scolmatore	4	Tr30 (36h)	1512.03	-1.25	3.71	1.86	3.98	0.00058	2.35	684.71	226.29	0.38
Scolmatore	4	Tr200 (24h)	2145.22	-1.25	4.36	2.44	4.71	0.00063	2.69	891.35	299.1	0.41
Scolmatore	4	Tr200 (36h)	2037.78	-1.25	4.27	2.35	4.6	0.00062	2.63	863.56	299.1	0.4
Scolmatore	4	WS500	500	-1.25	2.05	0.69	2.15	0.0004	1.4	355.97	152.16	0.29
Scolmatore	4	WS1000	1000	-1.25	2.97	1.33	3.18	0.00054	2	498.86	156.03	0.36
Scolmatore	4	WS1400	1400	-1.25	3.53	1.75	3.82	0.00063	2.39	586.26	158.83	0.4
Scolmatore	4.05	Bridge										
Scolmatore	4.1	Tr30 (24h)	1480.4	-1.25	3.98	1.83	4.2	0.00043	2.11	747.24	226.7	0.33
Scolmatore	4.1	Tr30 (36h)	1512.03	-1.25	4.03	1.86	4.25	0.00043	2.13	757.69	226.85	0.33
Scolmatore	4.1	Tr200 (24h)	2145.22	-1.25	4.92	2.44	5.17	0.00039	2.29	1058.63	299.1	0.33
Scolmatore	4.1	Tr200 (36h)	2037.78	-1.25	4.8	2.35	5.03	0.00039	2.25	1021.24	299.1	0.32
Scolmatore	4.1	WS500	500	-1.25	2.05	0.69	2.15	0.0004	1.4	357.23	152.19	0.29
Scolmatore	4.1	WS1000	1000	-1.25	3	1.33	3.2	0.00053	1.99	503.06	156.12	0.35
Scolmatore	4.1	WS1400	1400	-1.25	3.85	1.75	4.06	0.00044	2.08	717.31	226.49	0.33
Scolmatore	5	Tr30 (24h)	1480.4	-1.25	4.01	1.83	4.22	0.00042	2.1	751.95	226.77	0.33
Scolmatore	5	Tr30 (36h)	1512.03	-1.25	4.05	1.86	4.27	0.00043	2.12	762.41	226.93	0.33
Scolmatore	5	Tr200 (24h)	2145.22	-1.25	4.94	2.44	5.18	0.00039	2.27	1065	299.11	0.33
Scolmatore	5	Tr200 (36h)	2037.78	-1.25	4.82	2.35	5.05	0.00039	2.23	1027.58	299.11	0.32
Scolmatore	5	WS500	500	-1.25	2.07	0.69	2.17	0.00039	1.39	359.91	152.27	0.29
Scolmatore	5	WS1000	1000	-1.25	3.02	1.33	3.22	0.00051	1.97	506.92	156.21	0.35
Scolmatore	5	WS1400	1400	-1.25	3.87	1.75	4.08	0.00043	2.07	722.04	226.52	0.33
Scolmatore	6	Tr30 (24h)	1480.4	-2.54	4.12	1.66	4.26	0.00027	1.73	943.88	299.4	0.26
Scolmatore	6	Tr30 (36h)	1512.03	-2.54	4.17	1.69	4.31	0.00027	1.74	958.12	299.4	0.26
Scolmatore	6	Tr200 (24h)	2145.22	-2.54	5.05	2.36	5.22	0.00026	1.95	1220.62	299.4	0.27
Scolmatore	6	Tr200 (36h)	2037.78	-2.54	4.92	2.28	5.09	0.00026	1.91	1183.04	299.4	0.27
Scolmatore	6	WS500	500	-2.54	2.13	0.54	2.21	0.00027	1.21	432.61	229.27	0.24
Scolmatore	6	WS1000	1000	-2.54	3.15	1.16	3.27	0.00032	1.6	667.07	234.38	0.28
Scolmatore	6	WS1400	1400	-2.54	3.99	1.58	4.13	0.00027	1.71	903.59	299.4	0.26
Scolmatore	7	Tr30 (24h)	1480.4	-1.75	4.24	1.08	4.3	0.00011	1.14	1408.44	399	0.17
Scolmatore	7	Tr30 (36h)	1512.03	-1.75	4.29	1.1	4.35	0.00011	1.15	1427.8	399	0.17
Scolmatore	7	Tr200 (24h)	2145.22	-1.75	5.18	1.54	5.26	0.00011	1.3	1784.44	399	0.18
Scolmatore	7	Tr200 (36h)	2037.78	-1.75	5.05	1.47	5.13	0.00011	1.28	1732.83	399	0.18
Scolmatore	7	WS500	500	-1.75	2.21	0.14	2.24	0.0001	0.79	633.29	234.39	0.15
Scolmatore	7	WS1000	1000	-1.75	3.25	0.69	3.31	0.00015	1.12	920.9	347.83	0.19
Scolmatore	7	WS1400	1400	-1.75	4.1	1.02	4.16	0.00011	1.12	1354.11	399	0.17
Scolmatore	8	Tr30 (24h)	1480.4	-1.28	4.25	1.15	4.31	0.00011	1.12	1416.76	400	0.17
Scolmatore	8	Tr30 (36h)	1512.03	-1.28	4.29	1.18	4.36	0.00011	1.13	1436.19	400	0.17

Scolmatore	8	Tr200 (24h)	2145.22	-1.28	5.19	1.61	5.27	0.00011	1.29	1793.85	400	0.18
Scolmatore	8	Tr200 (36h)	2037.78	-1.28	5.06	1.54	5.13	0.00011	1.26	1742.06	400	0.18
Scolmatore	8	WS500	500	-1.28	2.21	0.23	2.25	0.00012	0.81	619.32	239.67	0.16
Scolmatore	8	WS1000	1000	-1.28	3.27	0.74	3.32	0.00013	1.03	1027.41	399.93	0.18
Scolmatore	8	WS1400	1400	-1.28	4.11	1.09	4.17	0.00011	1.1	1362.3	400	0.17
Scolmatore	9	Tr30 (24h)	1480.4	-1.5	4.29	1.42	4.34	8.7E-05	1.05	1685.09	500	0.15
Scolmatore	9	Tr30 (36h)	1512.03	-1.5	4.34	1.45	4.39	8.6E-05	1.06	1709.57	500	0.15
Scolmatore	9	Tr200 (24h)	2145.22	-1.5	5.24	2.06	5.3	8.4E-05	1.16	2160.23	500	0.16
Scolmatore	9	Tr200 (36h)	2037.78	-1.5	5.11	1.96	5.16	8.3E-05	1.14	2094.7	500	0.15
Scolmatore	9	WS500	500	-1.5	2.23	0.13	2.3	0.0002	1.15	435.65	147.54	0.21
Scolmatore	9	WS1000	1000	-1.5	3.32	0.86	3.36	0.00011	1.02	1198.29	500	0.17
Scolmatore	9	WS1400	1400	-1.5	4.16	1.33	4.2	8.8E-05	1.04	1616.7	500	0.15
Scolmatore	10	Tr30 (24h)	1235.04	-2.21	4.33	0.85	4.35	4.9E-05	0.8	1809.35	500	0.12
Scolmatore	10	Tr30 (36h)	1277.2	-2.21	4.38	0.91	4.4	0.00005	0.82	1833.62	500	0.12
Scolmatore	10	Tr200 (24h)	1847.28	-2.21	5.28	1.5	5.32	5.2E-05	0.93	2285.07	500	0.12
Scolmatore	10	Tr200 (36h)	1757.36	-2.21	5.15	1.41	5.18	5.2E-05	0.92	2219.13	500	0.12
Scolmatore	10	WS500	500	-2.21	2.28	-0.21	2.34	0.00014	1.05	475.25	142.89	0.18
Scolmatore	10	WS1000	1000	-2.21	3.33	0.56	3.41	0.00018	1.32	880.66	341.74	0.21
Scolmatore	10	WS1400	1400	-2.21	4.18	1.04	4.22	7.2E-05	0.95	1736.28	500	0.14
Scolmatore	11	Tr30 (24h)	1235.04	-1.39	4.33	1.19	4.37	8.5E-05	1.06	1288.04	308.39	0.15
Scolmatore	11	Tr30 (36h)	1277.2	-1.39	4.37	1.23	4.43	8.8E-05	1.09	1302.88	308.39	0.16
Scolmatore	11	Tr200 (24h)	1847.28	-1.39	5.27	1.83	5.34	9.9E-05	1.28	1578.93	308.39	0.17
Scolmatore	11	Tr200 (36h)	1757.36	-1.39	5.14	1.74	5.21	9.7E-05	1.25	1538.64	308.39	0.17
Scolmatore	11	WS500	500	-1.39	2.31	0.13	2.38	0.00019	1.16	432.4	142.11	0.21
Scolmatore	11	WS1000	1000	-1.39	3.34	0.91	3.46	0.00024	1.56	670.52	186.13	0.25
Scolmatore	11	WS1400	1400	-1.39	4.18	1.37	4.25	0.00012	1.25	1243.08	308.39	0.18
Scolmatore	12	Tr30 (24h)	1235.04	-1.31	4.36	1.15	4.4	6.4E-05	0.92	1590.77	455.75	0.13
Scolmatore	12	Tr30 (36h)	1277.2	-1.31	4.41	1.2	4.45	6.6E-05	0.94	1613.41	455.75	0.13
Scolmatore	12	Tr200 (24h)	1847.28	-1.31	5.32	1.8	5.37	6.8E-05	1.07	2027.54	455.75	0.14
Scolmatore	12	Tr200 (36h)	1757.36	-1.31	5.19	1.71	5.23	6.7E-05	1.05	1967.03	455.75	0.14
Scolmatore	12	WS500	500	-1.31	2.37	0.11	2.43	0.00018	1.14	438.53	137.87	0.2
Scolmatore	12	WS1000	1000	-1.31	3.47	0.87	3.51	0.0001	1.02	1183.98	454.59	0.16
Scolmatore	12	WS1400	1400	-1.31	4.23	1.34	4.28	9.3E-05	1.09	1531.35	455.75	0.16
Scolmatore	13	Tr30 (24h)	1235.04	-1.51	4.39	1.18	4.44	9.4E-05	1.12	1293.29	376.6	0.16
Scolmatore	13	Tr30 (36h)	1277.2	-1.51	4.44	1.23	4.49	9.7E-05	1.14	1312.15	376.6	0.16
Scolmatore	13	Tr200 (24h)	1847.28	-1.51	5.34	1.85	5.41	0.0001	1.3	1653.43	376.6	0.17
Scolmatore	13	Tr200 (36h)	1757.36	-1.51	5.21	1.76	5.28	0.0001	1.27	1603.57	376.6	0.17
Scolmatore	13	WS500	500	-1.51	2.45	0.09	2.52	0.00017	1.15	436.27	132.89	0.2
Scolmatore	13	WS1000	1000	-1.51	3.51	0.88	3.58	0.00015	1.28	838.7	223.26	0.2
Scolmatore	13	WS1400	1400	-1.51	4.27	1.37	4.34	0.00014	1.31	1248.43	376.6	0.19
Scolmatore	14	Tr30 (24h)	1235.04	-1.64	4.41	1.13	4.46	8.6E-05	1.09	1322.09	380.8	0.15
Scolmatore	14	Tr30 (36h)	1277.2	-1.64	4.46	1.18	4.52	8.9E-05	1.11	1341.41	380.8	0.16
Scolmatore	14	Tr200 (24h)	1847.28	-1.64	5.37	1.8	5.44	9.4E-05	1.27	1686.98	380.8	0.17
Scolmatore	14	Tr200 (36h)	1757.36	-1.64	5.24	1.71	5.3	9.3E-05	1.25	1636.49	380.8	0.16
Scolmatore	14	WS500	500	-1.64	2.49	0.02	2.56	0.00016	1.12	447.57	132.91	0.19
Scolmatore	14	WS1000	1000	-1.64	3.55	0.8	3.62	0.00013	1.2	899.56	239.79	0.19
Scolmatore	14	WS1400	1400	-1.64	4.31	1.32	4.37	0.00012	1.28	1280.98	380.8	0.18
Scolmatore	15	Tr30 (24h)	1235.04	-2.05	4.44	1.22	4.48	7.8E-05	0.97	1442.74	418.38	0.14
Scolmatore	15	Tr30 (36h)	1277.2	-2.05	4.49	1.27	4.53	0.00008	0.99	1464.36	419.42	0.15
Scolmatore	15	Tr200 (24h)	1847.28	-2.05	5.4	1.89	5.46	8.2E-05	1.13	1849.3	422.75	0.15
Scolmatore	15	Tr200 (36h)	1757.36	-2.05	5.27	1.8	5.32	8.2E-05	1.11	1792.98	422.75	0.15
Scolmatore	15	WS500	500	-2.05	2.53	0.05	2.59	0.00017	1.13	440.88	133.79	0.2
Scolmatore	15	WS1000	1000	-2.05	3.53	0.9	3.68	0.00028	1.73	577.15	137.52	0.27
Scolmatore	15	WS1400	1400	-2.05	4.34	1.41	4.4	0.00011	1.13	1402.48	416.97	0.17
Scolmatore	16	Tr30 (24h)	1235.04	-2.28	4.41	1.19	4.52	0.0002	1.51	853.71	212.68	0.23

Scolmatore	16	Tr30 (36h)	1277.2	-2.28	4.52	1.24	4.55	6.7E-05	0.87	1706.16	499.1	0.13
Scolmatore	16	Tr200 (24h)	1847.28	-2.28	5.43	1.86	5.47	6.5E-05	0.97	2163.27	499.1	0.13
Scolmatore	16	Tr200 (36h)	1757.36	-2.28	5.3	1.77	5.34	6.5E-05	0.96	2096.48	499.1	0.13
Scolmatore	16	WS500	500	-2.28	2.56	0.05	2.62	0.00016	1.11	450.94	134.56	0.19
Scolmatore	16	WS1000	1000	-2.28	3.59	0.85	3.74	0.00028	1.69	592.77	147.61	0.27
Scolmatore	16	WS1400	1400	-2.28	4.31	1.38	4.46	0.00028	1.75	831.55	209.96	0.27
Scolmatore	16.9	Tr30 (24h)	1235.04	-2.26	4.5	1.19	4.53	6.3E-05	0.84	1699.2	498.82	0.13
Scolmatore	16.9	Tr30 (36h)	1277.2	-2.26	4.52	1.24	4.55	6.7E-05	0.87	1706.66	498.82	0.13
Scolmatore	16.9	Tr200 (24h)	1847.28	-2.26	5.44	1.86	5.47	6.5E-05	0.97	2163.49	498.82	0.13
Scolmatore	16.9	Tr200 (36h)	1757.36	-2.26	5.3	1.77	5.34	6.5E-05	0.95	2096.73	498.82	0.13
Scolmatore	16.9	WS500	500	-2.26	2.56	0.05	2.62	0.00016	1.11	450.45	134.1	0.19
Scolmatore	16.9	WS1000	1000	-2.26	3.59	0.85	3.74	0.00029	1.69	592.42	148.33	0.27
Scolmatore	16.9	WS1400	1400	-2.26	4.31	1.38	4.46	0.00028	1.75	831.77	210.2	0.27
Scolmatore	17	Bridge										
Scolmatore	17.1	Tr30 (24h)	1235.04	-2.26	4.51	1.2	4.54	6.3E-05	0.85	1695.84	498.81	0.13
Scolmatore	17.1	Tr30 (36h)	1277.2	-2.26	4.53	1.25	4.56	6.7E-05	0.87	1703.53	498.81	0.13
Scolmatore	17.1	Tr200 (24h)	1847.28	-2.26	5.45	1.87	5.49	6.4E-05	0.97	2164.25	498.81	0.13
Scolmatore	17.1	Tr200 (36h)	1757.36	-2.26	5.32	1.78	5.35	6.5E-05	0.96	2097.49	498.81	0.13
Scolmatore	17.1	WS500	500	-2.26	2.57	0.06	2.64	0.00015	1.11	451.19	134.1	0.19
Scolmatore	17.1	WS1000	1000	-2.26	3.63	0.86	3.77	0.00028	1.68	596.46	149.14	0.27
Scolmatore	17.1	WS1400	1400	-2.26	4.48	1.39	4.52	8.4E-05	0.97	1682.08	498.81	0.15
Scolmatore	18	Tr30 (24h)	1235.04	-2.28	4.19	2.46	4.68	0.001	3.22	402.23	104.08	0.5
Scolmatore	18	Tr30 (36h)	1277.2	-2.28	4.18	2.54	4.71	0.00108	3.33	401.28	104.03	0.52
Scolmatore	18	Tr200 (24h)	1847.28	-2.28	5.37	3.56	5.53	0.00029	1.99	1062.97	249.55	0.28
Scolmatore	18	Tr200 (36h)	1757.36	-2.28	5.24	3.36	5.39	0.00029	1.96	1030.32	249.55	0.28
Scolmatore	18	WS500	500	-2.28	2.43	0.86	2.7	0.00073	2.31	216.62	67.04	0.41
Scolmatore	18	WS1000	1000	-2.28	3.26	2.02	3.94	0.00141	3.67	272.67	68.69	0.59
Scolmatore	18	WS1400	1400	-2.28	4.03	2.75	4.72	0.00146	3.81	385.55	103.41	0.6
Scolmatore	19	Tr30 (24h)	1235.04	-3.01	4.72	1.2	4.76	7.9E-05	1.04	1355.51	340.9	0.15
Scolmatore	19	Tr30 (36h)	1277.2	-3.01	4.75	1.25	4.79	8.2E-05	1.07	1365.99	340.9	0.15
Scolmatore	19	Tr200 (24h)	1847.28	-3.01	5.49	1.87	5.56	0.0001	1.29	1620.64	340.9	0.17
Scolmatore	19	Tr200 (36h)	1757.36	-3.01	5.36	1.78	5.43	9.9E-05	1.26	1574.92	340.9	0.17
Scolmatore	19	WS500	500	-3.01	2.71	0.01	2.77	0.00014	1.07	467.95	134.51	0.18
Scolmatore	19	WS1000	1000	-3.01	4	0.84	4.05	9.6E-05	1.04	1112.91	340.9	0.16
Scolmatore	19	WS1400	1400	-3.01	4.77	1.39	4.83	9.7E-05	1.16	1374.34	340.9	0.16
Scolmatore	20	Tr30 (24h)	1235.04	-2.48	4.73	1.37	4.77	7.2E-05	0.95	1463.52	383.6	0.14
Scolmatore	20	Tr30 (36h)	1277.2	-2.48	4.77	1.41	4.81	7.5E-05	0.97	1475.66	383.6	0.14
Scolmatore	20	Tr200 (24h)	1847.28	-2.48	5.52	2.01	5.58	8.9E-05	1.16	1764.86	383.6	0.16
Scolmatore	20	Tr200 (36h)	1757.36	-2.48	5.38	1.92	5.44	8.8E-05	1.14	1713.15	383.6	0.16
Scolmatore	20	WS500	500	-2.48	2.73	0.2	2.79	0.00015	1.06	470.21	144.64	0.19
Scolmatore	20	WS1000	1000	-2.48	4.02	1.05	4.06	0.00009	0.95	1191.33	383.6	0.15
Scolmatore	20	WS1400	1400	-2.48	4.79	1.55	4.84	8.8E-05	1.06	1486.48	383.6	0.15
Scolmatore	21	Tr30 (24h)	1235.04	-2.34	4.68	2.82	4.83	0.00032	1.97	738.23	204.5	0.29
Scolmatore	21	Tr30 (36h)	1277.2	-2.34	4.7	2.89	4.87	0.00033	2.02	744.04	204.5	0.29
Scolmatore	21	Tr200 (24h)	1847.28	-2.34	5.43	3.32	5.66	0.00039	2.42	891.62	204.5	0.33
Scolmatore	21	Tr200 (36h)	1757.36	-2.34	5.3	3.24	5.52	0.00039	2.37	864.91	204.5	0.33
Scolmatore	21	WS500	500	-2.34	2.63	1.34	2.92	0.00088	2.39	209.38	70.81	0.44
Scolmatore	21	WS1000	1000	-2.34	3.97	2.39	4.13	0.0004	1.98	594.47	201.72	0.31
Scolmatore	21	WS1400	1400	-2.34	4.72	3.23	4.92	0.00039	2.21	747.33	204.5	0.32
Scolmatore	23	Tr30 (24h)	1194.85	-1.75	4.87	1.62	4.91	7.6E-05	1	1350.63	341.61	0.14
Scolmatore	23	Tr30 (36h)	1240.85	-1.75	4.9	1.67	4.95	7.9E-05	1.03	1363.44	341.61	0.15
Scolmatore	23	Tr200 (24h)	1782.18	-1.75	5.69	2.23	5.76	9.1E-05	1.22	1633.39	341.61	0.16
Scolmatore	23	Tr200 (36h)	1700.94	-1.75	5.56	2.15	5.62	9.2E-05	1.2	1586.36	341.61	0.16
Scolmatore	23	WS500	500	-1.75	3.01	0.41	3.04	9.3E-05	0.83	701.41	316.96	0.15
Scolmatore	23	WS1000	1000	-1.75	4.18	1.35	4.22	9.7E-05	1.03	1116.13	341.61	0.16

Scolmatore	23	WS1400	1400	-1.75	4.96	1.85	5.01	9.7E-05	1.14	1381.23	341.61	0.16
Scolmatore	25	Tr30 (24h)	1194.85	-1.9	4.88	2	4.95	0.00013	1.3	1073.08	296.46	0.19
Scolmatore	25	Tr30 (36h)	1240.85	-1.9	4.92	2.06	4.99	0.00014	1.33	1084.33	296.46	0.19
Scolmatore	25	Tr200 (24h)	1782.18	-1.9	5.7	2.66	5.81	0.00015	1.55	1318.22	296.46	0.21
Scolmatore	25	Tr200 (36h)	1700.94	-1.9	5.57	2.58	5.67	0.00015	1.53	1277.57	296.46	0.21
Scolmatore	25	WS500	500	-1.9	3.02	0.72	3.1	0.00024	1.29	388.17	126.92	0.24
Scolmatore	25	WS1000	1000	-1.9	4.2	1.75	4.27	0.00017	1.35	871.35	296.46	0.21
Scolmatore	25	WS1400	1400	-1.9	4.97	2.24	5.06	0.00017	1.48	1100.49	296.46	0.21
Scolmatore	27	Tr30 (24h)	1194.85	-2.07	4.89	3	5.03	0.00028	1.87	732.56	191.5	0.27
Scolmatore	27	Tr30 (36h)	1240.85	-2.07	4.92	3.08	5.08	0.00029	1.92	739.76	191.5	0.28
Scolmatore	27	Tr200 (24h)	1782.18	-2.07	5.7	3.5	5.91	0.00034	2.27	887.5	191.5	0.31
Scolmatore	27	Tr200 (36h)	1700.94	-2.07	5.56	3.5	5.77	0.00034	2.23	861.88	191.5	0.3
Scolmatore	27	WS500	500	-2.07	3.03	1.61	3.28	0.00075	2.25	222.18	73.37	0.41
Scolmatore	27	WS1000	1000	-2.07	4.23	2.65	4.38	0.00036	1.91	605.98	191.5	0.3
Scolmatore	27	WS1400	1400	-2.07	4.98	3.35	5.17	0.00036	2.13	750.32	191.5	0.31
Scolmatore	29	Tr30 (24h)	1194.85	-3.54	5	1.69	5.08	0.00013	1.32	1009.36	261.08	0.19
Scolmatore	29	Tr30 (36h)	1240.85	-3.54	5.05	1.74	5.13	0.00013	1.36	1020.8	261.08	0.19
Scolmatore	29	Tr200 (24h)	1782.18	-3.54	5.86	2.31	5.98	0.00016	1.61	1232.89	261.08	0.21
Scolmatore	29	Tr200 (36h)	1700.94	-3.54	5.72	2.22	5.83	0.00016	1.58	1196.98	261.08	0.21
Scolmatore	29	WS500	500	-3.54	3.31	0.29	3.36	0.00012	1	500.48	144.15	0.17
Scolmatore	29	WS1000	1000	-3.54	4.36	1.38	4.44	0.00016	1.32	840.74	261.08	0.2
Scolmatore	29	WS1400	1400	-3.54	5.13	1.92	5.23	0.00016	1.5	1042.75	261.08	0.21
Scolmatore	31	Tr30 (24h)	1194.85	-3.54	5.01	1.7	5.08	0.00013	1.31	1008.17	261.08	0.19
Scolmatore	31	Tr30 (36h)	1240.85	-3.54	5.05	1.75	5.13	0.00014	1.35	1019.65	261.08	0.19
Scolmatore	31	Tr200 (24h)	1782.18	-3.54	5.86	2.31	5.98	0.00016	1.6	1231.85	261.08	0.21
Scolmatore	31	Tr200 (36h)	1700.94	-3.54	5.72	2.23	5.84	0.00016	1.57	1195.94	261.08	0.21
Scolmatore	31	WS500	500	-3.54	3.32	0.3	3.37	0.00012	1	499.73	144.11	0.17
Scolmatore	31	WS1000	1000	-3.54	4.36	1.39	4.44	0.00016	1.31	839.7	261.08	0.2
Scolmatore	31	WS1400	1400	-3.54	5.13	1.92	5.23	0.00016	1.49	1041.75	261.08	0.21
Scolmatore	32	Bridge										
Scolmatore	32.1	Tr30 (24h)	1194.85	-3.56	5.27	1.68	5.34	0.00011	1.22	1082.2	261.08	0.17
Scolmatore	32.1	Tr30 (36h)	1240.85	-3.56	5.34	1.73	5.41	0.00011	1.25	1099.8	261.08	0.17
Scolmatore	32.1	Tr200 (24h)	1782.18	-3.56	6.31	2.3	6.41	0.00012	1.45	1353.54	261.08	0.19
Scolmatore	32.1	Tr200 (36h)	1700.94	-3.56	6.17	2.22	6.26	0.00012	1.43	1315.98	261.08	0.18
Scolmatore	32.1	WS500	500	-3.56	3.32	0.28	3.37	0.00012	0.99	503.2	144.19	0.17
Scolmatore	32.1	WS1000	1000	-3.56	4.53	1.37	4.61	0.00013	1.24	889.28	261.08	0.19
Scolmatore	32.1	WS1400	1400	-3.56	5.5	1.91	5.59	0.00012	1.36	1142.25	261.08	0.19
Scolmatore	33	Tr30 (24h)	1194.85	-3.55	5.27	1.69	5.34	0.00011	1.22	1081.39	261.07	0.17
Scolmatore	33	Tr30 (36h)	1240.85	-3.55	5.34	1.74	5.41	0.00011	1.25	1098.99	261.07	0.17
Scolmatore	33	Tr200 (24h)	1782.18	-3.55	6.31	2.3	6.41	0.00012	1.45	1352.75	261.07	0.19
Scolmatore	33	Tr200 (36h)	1700.94	-3.55	6.17	2.22	6.26	0.00012	1.43	1315.19	261.07	0.18
Scolmatore	33	WS500	500	-3.55	3.33	0.28	3.38	0.00012	0.99	502.93	144.18	0.17
Scolmatore	33	WS1000	1000	-3.55	4.54	1.38	4.61	0.00013	1.24	888.55	261.07	0.19
Scolmatore	33	WS1400	1400	-3.55	5.5	1.91	5.59	0.00012	1.36	1141.48	261.07	0.19
Scolmatore	35	Tr30 (24h)	1194.85	-1.77	5.27	3.05	5.38	0.00021	1.68	843.61	218.25	0.24
Scolmatore	35	Tr30 (36h)	1240.85	-1.77	5.34	3.13	5.45	0.00021	1.72	858.23	218.25	0.24
Scolmatore	35	Tr200 (24h)	1782.18	-1.77	6.3	4.19	6.45	0.00022	1.94	1069.06	218.25	0.25
Scolmatore	35	Tr200 (36h)	1700.94	-1.77	6.16	3.9	6.31	0.00022	1.91	1037.86	218.25	0.25
Scolmatore	35	WS500	500	-1.77	3.23	1.41	3.48	0.00064	2.19	228.26	69.1	0.38
Scolmatore	35	WS1000	1000	-1.77	4.53	2.68	4.66	0.00029	1.77	683.01	218.25	0.27
Scolmatore	35	WS1400	1400	-1.77	5.5	3.41	5.63	0.00024	1.85	893.43	218.25	0.25
Scolmatore	36	Tr30 (24h)	1194.85	-3.7	5.37	2.9	5.42	9.8E-05	1.15	1220.57	299.4	0.16
Scolmatore	36	Tr30 (36h)	1240.85	-3.7	5.44	2.98	5.49	0.0001	1.17	1241.62	299.4	0.16
Scolmatore	36	Tr200 (24h)	1782.18	-3.7	6.43	3.64	6.5	0.0001	1.33	1536.88	299.4	0.17

Scolmatore	36	Tr200 (36h)	1700.94	-3.7	6.28	3.64	6.35	0.0001	1.31	1493.33	299.4	0.17
Scolmatore	36	WS500	500	-3.7	3.43	1.23	3.62	0.00049	1.93	259.23	74.42	0.33
Scolmatore	36	WS1000	1000	-3.7	4.66	2.55	4.71	0.00013	1.19	1006.42	299.4	0.18
Scolmatore	36	WS1400	1400	-3.7	5.62	3.24	5.68	0.00011	1.26	1294.63	299.4	0.17
Scolmatore	36.9	Tr30 (24h)	1194.85	-3.68	5.37	2.9	5.42	9.9E-05	1.15	1219.68	299.4	0.16
Scolmatore	36.9	Tr30 (36h)	1240.85	-3.68	5.44	2.98	5.5	0.0001	1.17	1240.73	299.4	0.16
Scolmatore	36.9	Tr200 (24h)	1782.18	-3.68	6.43	3.77	6.5	0.0001	1.33	1536	299.4	0.17
Scolmatore	36.9	Tr200 (36h)	1700.94	-3.68	6.28	3.77	6.35	0.0001	1.31	1492.45	299.4	0.17
Scolmatore	36.9	WS500	500	-3.68	3.43	1.24	3.62	0.00049	1.93	259.19	74.43	0.33
Scolmatore	36.9	WS1000	1000	-3.68	4.66	2.55	4.71	0.00013	1.19	1005.62	299.4	0.18
Scolmatore	36.9	WS1400	1400	-3.68	5.62	3.25	5.68	0.00011	1.26	1293.77	299.4	0.17
Scolmatore	37	Bridge										
Scolmatore	37.1	Tr30 (24h)	1194.85	-3.68	5.38	2.91	5.43	9.8E-05	1.15	1220.97	299.4	0.16
Scolmatore	37.1	Tr30 (36h)	1240.85	-3.68	5.45	2.99	5.5	0.0001	1.17	1242.14	299.4	0.16
Scolmatore	37.1	Tr200 (24h)	1782.18	-3.68	6.44	3.77	6.51	0.0001	1.33	1538.13	299.4	0.17
Scolmatore	37.1	Tr200 (36h)	1700.94	-3.68	6.3	3.77	6.36	0.0001	1.31	1494.93	299.4	0.17
Scolmatore	37.1	WS500	500	-3.68	3.46	1.25	3.64	0.00048	1.92	260.56	74.5	0.33
Scolmatore	37.1	WS1000	1000	-3.68	4.67	2.56	4.72	0.00013	1.19	1006.81	299.4	0.18
Scolmatore	37.1	WS1400	1400	-3.68	5.63	3.25	5.69	0.00011	1.26	1295.63	299.4	0.17
Scolmatore	38	Tr30 (24h)	1194.85	-3.7	5.38	2.89	5.43	9.7E-05	1.14	1225.41	299.4	0.16
Scolmatore	38	Tr30 (36h)	1240.85	-3.7	5.45	2.97	5.51	9.9E-05	1.17	1246.61	299.4	0.16
Scolmatore	38	Tr200 (24h)	1782.18	-3.7	6.44	3.63	6.51	0.0001	1.33	1542.64	299.4	0.17
Scolmatore	38	Tr200 (36h)	1700.94	-3.7	6.3	3.63	6.37	0.0001	1.31	1499.43	299.4	0.17
Scolmatore	38	WS500	500	-3.7	3.47	1.23	3.66	0.00047	1.9	262.72	74.55	0.32
Scolmatore	38	WS1000	1000	-3.7	4.67	2.55	4.72	0.00013	1.19	1011.55	299.4	0.18
Scolmatore	38	WS1400	1400	-3.7	5.63	3.24	5.7	0.00011	1.26	1300.21	299.4	0.17
Scolmatore	39	Tr30 (24h)	1194.85	-1.6	5.42	1.95	5.45	0.00005	0.84	1594.97	369.33	0.12
Scolmatore	39	Tr30 (36h)	1240.85	-1.6	5.49	2	5.52	5.1E-05	0.86	1621.54	369.33	0.12
Scolmatore	39	Tr200 (24h)	1782.18	-1.6	6.49	2.56	6.53	5.4E-05	0.99	1989.46	369.33	0.13
Scolmatore	39	Tr200 (36h)	1700.94	-1.6	6.34	2.48	6.38	5.4E-05	0.97	1935.8	369.33	0.13
Scolmatore	39	WS500	500	-1.6	3.66	0.59	3.71	0.00011	0.96	519.36	149.39	0.16
Scolmatore	39	WS1000	1000	-1.6	4.71	1.61	4.74	6.3E-05	0.85	1333.18	369.33	0.13
Scolmatore	39	WS1400	1400	-1.6	5.68	2.18	5.71	5.7E-05	0.93	1689.59	369.33	0.13
Scolmatore	40	Tr30 (24h)	1194.85	-1.84	5.45	1.83	5.48	4.2E-05	0.78	1643.56	338.29	0.11
Scolmatore	40	Tr30 (36h)	1240.85	-1.84	5.53	1.88	5.55	4.3E-05	0.8	1668.15	338.29	0.11
Scolmatore	40	Tr200 (24h)	1782.18	-1.84	6.52	2.44	6.56	4.8E-05	0.95	2005.8	338.29	0.12
Scolmatore	40	Tr200 (36h)	1700.94	-1.84	6.38	2.36	6.42	4.8E-05	0.93	1956.61	338.29	0.12
Scolmatore	40	WS500	500	-1.84	3.74	0.56	3.77	7.1E-05	0.79	665.87	198.85	0.13
Scolmatore	40	WS1000	1000	-1.84	4.75	1.6	4.78	4.9E-05	0.77	1406.53	338.29	0.11
Scolmatore	40	WS1400	1400	-1.84	5.71	2.05	5.75	4.8E-05	0.87	1731.83	338.29	0.12
Scolmatore	41	Tr30 (24h)	1194.85	-1.37	5.48	1.86	5.51	0.00005	0.86	1495.74	305.59	0.12
Scolmatore	41	Tr30 (36h)	1240.85	-1.37	5.55	1.91	5.58	5.1E-05	0.88	1518.12	305.59	0.12
Scolmatore	41	Tr200 (24h)	1782.18	-1.37	6.55	2.47	6.6	5.8E-05	1.04	1823.65	305.59	0.13
Scolmatore	41	Tr200 (36h)	1700.94	-1.37	6.4	2.39	6.45	5.7E-05	1.02	1779.19	305.59	0.13
Scolmatore	41	WS500	500	-1.37	3.78	0.59	3.8	4.3E-05	0.62	856.78	253.13	0.1
Scolmatore	41	WS1000	1000	-1.37	4.78	1.63	4.81	5.8E-05	0.84	1283.04	305.59	0.12
Scolmatore	41	WS1400	1400	-1.37	5.74	2.08	5.78	5.8E-05	0.95	1576.47	305.59	0.13
Scolmatore	43	Tr30 (24h)	1194.85	-1.35	5.51	1.9	5.52	1.3E-05	0.44	2778.14	544.61	0.06
Scolmatore	43	Tr30 (36h)	1240.85	-1.35	5.59	1.96	5.6	1.4E-05	0.45	2818.85	544.61	0.06
Scolmatore	43	Tr200 (24h)	1782.18	-1.35	6.6	2.52	6.61	1.6E-05	0.54	3370.41	544.61	0.07
Scolmatore	43	Tr200 (36h)	1700.94	-1.35	6.45	2.44	6.47	1.6E-05	0.53	3290.19	544.61	0.07
Scolmatore	43	WS500	500	-1.35	3.81	0.85	3.81	9E-06	0.28	1796.85	507.2	0.05
Scolmatore	43	WS1000	1000	-1.35	4.82	1.67	4.83	1.5E-05	0.43	2399.35	544.61	0.06
Scolmatore	43	WS1400	1400	-1.35	5.78	2.13	5.8	1.5E-05	0.49	2926.24	544.61	0.07



Scolmatore	44	Tr30 (24h)	1194.85	-1.22	5.5	1.91	5.53	4.8E-05	0.82	1564.09	339.69	0.11
Scolmatore	44	Tr30 (36h)	1240.85	-1.22	5.58	1.97	5.61	4.9E-05	0.84	1589.3	339.69	0.12
Scolmatore	44	Tr200 (24h)	1782.18	-1.22	6.58	2.52	6.63	5.4E-05	0.99	1931.61	339.69	0.13
Scolmatore	44	Tr200 (36h)	1700.94	-1.22	6.44	2.44	6.48	5.3E-05	0.97	1881.82	339.69	0.12
Scolmatore	44	WS500	500	-1.22	3.8	0.94	3.82	3.7E-05	0.57	910.51	263.19	0.1
Scolmatore	44	WS1000	1000	-1.22	4.81	1.69	4.84	5.6E-05	0.81	1328.07	339.69	0.12
Scolmatore	44	WS1400	1400	-1.22	5.77	2.13	5.81	5.4E-05	0.91	1655.59	339.69	0.12
Scolmatore	45	Tr30 (24h)	1194.85	-1.18	5.53	2.02	5.55	4.3E-05	0.78	1655.74	361.2	0.11
Scolmatore	45	Tr30 (36h)	1240.85	-1.18	5.6	2.07	5.63	4.4E-05	0.8	1682.78	361.2	0.11
Scolmatore	45	Tr200 (24h)	1782.18	-1.18	6.61	2.63	6.65	4.8E-05	0.94	2048.06	361.2	0.12
Scolmatore	45	Tr200 (36h)	1700.94	-1.18	6.46	2.56	6.5	4.8E-05	0.92	1994.97	361.2	0.12
Scolmatore	45	WS500	500	-1.18	3.81	1.09	3.85	0.0001	0.95	527.1	146.53	0.16
Scolmatore	45	WS1000	1000	-1.18	4.83	1.79	4.86	5.2E-05	0.78	1406.03	361.2	0.12
Scolmatore	45	WS1400	1400	-1.18	5.8	2.25	5.83	4.9E-05	0.87	1754.37	361.2	0.12
Scolmatore	46	Tr30 (24h)	1194.85	-1.33	5.54	2.18	5.56	0.00004	0.74	1725.99	380.6	0.11
Scolmatore	46	Tr30 (36h)	1240.85	-1.33	5.61	2.23	5.64	4.1E-05	0.76	1754.63	380.6	0.11
Scolmatore	46	Tr200 (24h)	1782.18	-1.33	6.63	2.79	6.66	4.5E-05	0.89	2140.32	380.6	0.11
Scolmatore	46	Tr200 (36h)	1700.94	-1.33	6.48	2.71	6.51	4.4E-05	0.87	2084.28	380.6	0.11
Scolmatore	46	WS500	500	-1.33	3.83	1.26	3.88	0.00012	0.99	505.68	144.99	0.17
Scolmatore	46	WS1000	1000	-1.33	4.81	1.95	4.9	0.00017	1.36	790.94	215.27	0.21
Scolmatore	46	WS1400	1400	-1.33	5.81	2.4	5.84	4.6E-05	0.82	1830.72	380.6	0.11
Scolmatore	47	Tr30 (24h)	1194.85	-1.54	5.57	2.14	5.58	2.2E-05	0.55	2324.15	505.39	0.08
Scolmatore	47	Tr30 (36h)	1240.85	-1.54	5.64	2.19	5.66	2.3E-05	0.57	2362.63	505.39	0.08
Scolmatore	47	Tr200 (24h)	1782.18	-1.54	6.66	2.75	6.68	2.4E-05	0.66	2877.9	505.39	0.08
Scolmatore	47	Tr200 (36h)	1700.94	-1.54	6.51	2.67	6.53	2.4E-05	0.65	2803.08	505.39	0.08
Scolmatore	47	WS500	500	-1.54	3.89	1.21	3.94	0.00011	0.97	517.38	143.61	0.16
Scolmatore	47	WS1000	1000	-1.54	4.92	1.91	4.97	0.0001	1.1	1006.14	266.58	0.17
Scolmatore	47	WS1400	1400	-1.54	5.85	2.36	5.86	2.5E-05	0.61	2465.64	505.39	0.08
Scolmatore	48	Tr30 (24h)	1194.85	-1.44	5.58	2.26	5.59	0.00002	0.52	2435.14	524.25	0.07
Scolmatore	48	Tr30 (36h)	1240.85	-1.44	5.65	2.31	5.67	0.00002	0.53	2475.17	524.25	0.07
Scolmatore	48	Tr200 (24h)	1782.18	-1.44	6.67	2.87	6.69	2.2E-05	0.62	3010.28	524.25	0.08
Scolmatore	48	Tr200 (36h)	1700.94	-1.44	6.52	2.79	6.54	2.2E-05	0.61	2932.6	524.25	0.08
Scolmatore	48	WS500	500	-1.44	3.94	1.34	3.99	0.00012	0.99	506.74	143.35	0.17
Scolmatore	48	WS1000	1000	-1.44	4.96	2.04	5.02	0.00013	1.2	910.64	241.56	0.18
Scolmatore	48	WS1400	1400	-1.44	5.86	2.48	5.87	2.2E-05	0.57	2582.61	524.25	0.08
Scolmatore	49	Tr30 (24h)	1194.85	-1.29	5.59	1.93	5.6	1.4E-05	0.43	2903.9	605.6	0.06
Scolmatore	49	Tr30 (36h)	1240.85	-1.29	5.66	1.97	5.67	1.4E-05	0.44	2950.36	605.6	0.06
Scolmatore	49	Tr200 (24h)	1782.18	-1.29	6.69	2.47	6.7	1.5E-05	0.52	3569.86	605.6	0.07
Scolmatore	49	Tr200 (36h)	1700.94	-1.29	6.54	2.4	6.55	1.5E-05	0.51	3479.95	605.6	0.07
Scolmatore	49	WS500	500	-1.29	4	1.11	4.03	6.8E-05	0.78	643.07	175.46	0.13
Scolmatore	49	WS1000	1000	-1.29	5.03	1.71	5.04	1.4E-05	0.4	2568.07	605.6	0.06
Scolmatore	49	WS1400	1400	-1.29	5.87	2.13	5.88	1.5E-05	0.47	3075.41	605.6	0.07
Scolmatore	52	Tr30 (24h)	1176.57	-1.18	5.58	2.45	5.61	5.1E-05	0.73	1643.07	400	0.11
Scolmatore	52	Tr30 (36h)	1155.97	-1.18	5.66	2.43	5.68	4.6E-05	0.7	1674.32	400	0.11
Scolmatore	52	Tr200 (24h)	1563.22	-1.18	6.68	2.87	6.71	4.1E-05	0.77	2083.31	400	0.11
Scolmatore	52	Tr200 (36h)	1535.02	-1.18	6.53	2.85	6.56	4.4E-05	0.77	2023.64	400	0.11
Scolmatore	52	WS500	500	-1.18	4	1.52	4.05	0.00015	1	499.07	166.32	0.18
Scolmatore	52	WS1000	1000	-1.18	5.03	2.23	5.05	0.00006	0.71	1421.44	400	0.12
Scolmatore	52	WS1400	1400	-1.18	5.86	2.71	5.89	5.8E-05	0.81	1755.4	400	0.12
Scolmatore	54	Tr30 (24h)	1176.57	-0.96	5.58	2.74	5.64	0.00011	1.14	1148.71	300	0.17
Scolmatore	54	Tr30 (36h)	1155.97	-0.96	5.66	2.71	5.71	0.0001	1.09	1172.07	300	0.16
Scolmatore	54	Tr200 (24h)	1563.22	-0.96	6.68	3.16	6.73	8.6E-05	1.16	1477.57	300	0.16
Scolmatore	54	Tr200 (36h)	1535.02	-0.96	6.53	3.13	6.59	9.2E-05	1.18	1432.92	300	0.16
Scolmatore	54	WS500	500	-0.96	4.04	1.81	4.1	0.00017	1.09	457.35	146.27	0.2
Scolmatore	54	WS1000	1000	-0.96	5.03	2.51	5.08	0.00013	1.14	983.4	300	0.18
Scolmatore	54	WS1400	1400	-0.96	5.86	2.99	5.93	0.00012	1.26	1232.44	300	0.18

Scolmatore	55	Tr30 (24h)	1176.57	-1.85	5.62	2.19	5.67	7.8E-05	1.02	1259.48	290.27	0.15
Scolmatore	55	Tr30 (36h)	1155.97	-1.85	5.69	2.16	5.74	7.1E-05	0.99	1280.98	290.27	0.14
Scolmatore	55	Tr200 (24h)	1563.22	-1.85	6.71	2.59	6.76	6.7E-05	1.08	1575.33	290.27	0.14
Scolmatore	55	Tr200 (36h)	1535.02	-1.85	6.56	2.56	6.61	0.00007	1.09	1532.73	290.27	0.14
Scolmatore	55	WS500	500	-1.85	4.11	1.22	4.14	6.6E-05	0.74	742.35	261.45	0.13
Scolmatore	55	WS1000	1000	-1.85	5.08	1.97	5.12	8.7E-05	1	1101.46	290.27	0.15
Scolmatore	55	WS1400	1400	-1.85	5.9	2.42	5.96	0.00009	1.14	1342.13	290.27	0.16
Scolmatore	55.5	Tr30 (24h)	1176.57	-2.22	5.6	1.95	5.68	0.00011	1.23	983	194.61	0.17
Scolmatore	55.5	Tr30 (36h)	1155.97	-2.22	5.68	1.92	5.75	0.0001	1.19	997.6	194.7	0.17
Scolmatore	55.5	Tr200 (24h)	1563.22	-2.22	6.68	2.38	6.77	0.0001	1.34	1194.21	195.91	0.17
Scolmatore	55.5	Tr200 (36h)	1535.02	-2.22	6.54	2.35	6.63	0.00011	1.35	1165.47	195.73	0.18
Scolmatore	55.5	WS500	500	-2.22	4.1	0.57	4.14	8.1E-05	0.87	573.44	148.03	0.14
Scolmatore	55.5	WS1000	1000	-2.22	5.06	1.73	5.13	0.00012	1.17	877.9	193.95	0.17
Scolmatore	55.5	WS1400	1400	-2.22	5.88	2.2	5.97	0.00013	1.38	1037.32	194.94	0.19
Scolmatore	56	Tr30 (24h)	1176.57	-2.22	5.6	1.95	5.68	0.00011	1.23	983.07	194.61	0.17
Scolmatore	56	Tr30 (36h)	1155.97	-2.22	5.68	1.92	5.75	0.0001	1.19	997.66	194.7	0.17
Scolmatore	56	Tr200 (24h)	1563.22	-2.22	6.68	2.38	6.77	0.0001	1.34	1194.27	195.91	0.17
Scolmatore	56	Tr200 (36h)	1535.02	-2.22	6.54	2.35	6.63	0.00011	1.35	1165.53	195.73	0.18
Scolmatore	56	WS500	500	-2.22	4.1	1.03	4.14	8.1E-05	0.87	573.47	148.03	0.14
Scolmatore	56	WS1000	1000	-2.22	5.06	1.73	5.13	0.00012	1.17	877.97	193.95	0.17
Scolmatore	56	WS1400	1400	-2.22	5.88	2.2	5.97	0.00013	1.38	1037.4	194.94	0.19
Scolmatore	56.17		Bridge									
Scolmatore	56.2	Tr30 (24h)	1176.57	-2.23	5.62	1.96	5.69	0.00011	1.23	981.62	194.57	0.17
Scolmatore	56.2	Tr30 (36h)	1155.97	-2.23	5.69	1.93	5.76	0.0001	1.19	996.1	194.66	0.17
Scolmatore	56.2	Tr200 (24h)	1563.22	-2.23	6.71	2.4	6.8	0.0001	1.34	1194.62	195.87	0.17
Scolmatore	56.2	Tr200 (36h)	1535.02	-2.23	6.56	2.37	6.65	0.00011	1.35	1165.4	195.7	0.18
Scolmatore	56.2	WS500	500	-2.23	4.11	1.04	4.14	8.2E-05	0.88	571	147.95	0.14
Scolmatore	56.2	WS1000	1000	-2.23	5.07	1.75	5.14	0.00012	1.17	876.07	193.92	0.17
Scolmatore	56.2	WS1400	1400	-2.23	5.9	2.22	5.99	0.00013	1.38	1036.54	194.91	0.19
Scolmatore	56.3	Tr30 (24h)	1176.57	-2.23	5.62	1.96	5.69	0.00011	1.23	981.85	194.57	0.17
Scolmatore	56.3	Tr30 (36h)	1155.97	-2.23	5.69	1.93	5.76	0.0001	1.19	996.3	194.66	0.17
Scolmatore	56.3	Tr200 (24h)	1563.22	-2.23	6.71	2.4	6.8	0.0001	1.34	1194.84	195.88	0.17
Scolmatore	56.3	Tr200 (36h)	1535.02	-2.23	6.56	2.37	6.65	0.00011	1.35	1165.62	195.7	0.18
Scolmatore	56.3	WS500	500	-2.23	4.11	0.57	4.15	8.2E-05	0.88	571.13	147.95	0.14
Scolmatore	56.3	WS1000	1000	-2.23	5.08	1.75	5.14	0.00012	1.17	876.31	193.93	0.17
Scolmatore	56.3	WS1400	1400	-2.23	5.9	2.22	5.99	0.00013	1.38	1036.81	194.91	0.19
Scolmatore	57	Tr30 (24h)	1176.57	-1.38	5.65	2.6	5.7	9.7E-05	1.09	1164.46	281.9	0.16
Scolmatore	57	Tr30 (36h)	1155.97	-1.38	5.72	2.58	5.77	8.9E-05	1.05	1184.99	281.9	0.15
Scolmatore	57	Tr200 (24h)	1563.22	-1.38	6.75	3	6.81	0.00008	1.14	1474.68	281.9	0.15
Scolmatore	57	Tr200 (36h)	1535.02	-1.38	6.6	2.97	6.66	8.5E-05	1.15	1432.63	281.9	0.16
Scolmatore	57	WS500	500	-1.38	4.11	1.69	4.15	0.00013	0.97	516.55	163.77	0.17
Scolmatore	57	WS1000	1000	-1.38	5.1	2.38	5.15	0.00011	1.07	1009.86	281.9	0.17
Scolmatore	57	WS1400	1400	-1.38	5.94	2.84	6	0.00011	1.21	1246.55	281.9	0.17
Scolmatore	58	Tr30 (24h)	1176.57	-1.96	5.68	2.24	5.72	8.5E-05	1.02	1249.73	325.52	0.15
Scolmatore	58	Tr30 (36h)	1155.97	-1.96	5.75	2.22	5.79	7.7E-05	0.99	1272.66	325.52	0.14
Scolmatore	58	Tr200 (24h)	1563.22	-1.96	6.77	2.65	6.83	6.9E-05	1.06	1607.41	325.52	0.14
Scolmatore	58	Tr200 (36h)	1535.02	-1.96	6.63	2.62	6.68	7.3E-05	1.07	1559.21	325.52	0.14
Scolmatore	58	WS500	500	-1.96	4.14	0.73	4.18	9.8E-05	0.92	544.9	151.13	0.15
Scolmatore	58	WS1000	1000	-1.96	5.12	2.04	5.18	0.00011	1.06	956.73	226.32	0.16
Scolmatore	58	WS1400	1400	-1.96	5.97	2.48	6.03	9.5E-05	1.13	1346.27	325.52	0.16
Scolmatore	59	Tr30 (24h)	1176.57	-1.79	5.71	2.48	5.82	0.00023	1.5	797.97	208.31	0.24
Scolmatore	59	Tr30 (36h)	1155.97	-1.79	5.77	2.46	5.88	0.00021	1.45	811.91	208.69	0.23
Scolmatore	59	Tr200 (24h)	1563.22	-1.79	6.81	2.9	6.88	0.00011	1.23	1337.99	282.33	0.18
Scolmatore	59	Tr200 (36h)	1535.02	-1.79	6.66	2.87	6.74	0.00012	1.25	1296.98	282.33	0.18

Scolmatore	59	WS500	500	-1.79	4.2	1.05	4.25	0.00012	0.98	510.96	147.73	0.17
Scolmatore	59	WS1000	1000	-1.79	5.17	2.27	5.28	0.00021	1.48	694.09	172.45	0.23
Scolmatore	59	WS1400	1400	-1.79	6.03	2.73	6.11	0.00017	1.32	1116.78	282.33	0.21
Scolmatore	59.7	Tr30 (24h)	1176.57	-1.49	5.81	2.24	5.92	0.00018	1.47	810.17	177.6	0.22
Scolmatore	59.7	Tr30 (36h)	1155.97	-1.49	5.87	2.22	5.97	0.00016	1.43	820.36	177.6	0.21
Scolmatore	59.7	Tr200 (24h)	1563.22	-1.49	6.84	2.68	6.97	0.00016	1.6	992.27	177.6	0.21
Scolmatore	59.7	Tr200 (36h)	1535.02	-1.49	6.7	2.64	6.83	0.00017	1.62	967.18	177.6	0.22
Scolmatore	59.7	WS500	500	-1.49	4.26	1.25	4.3	9.2E-05	0.91	549.65	146.62	0.15
Scolmatore	59.7	WS1000	1000	-1.49	5.27	2.03	5.37	0.00017	1.41	717.28	163.07	0.21
Scolmatore	59.7	WS1400	1400	-1.49	6.08	2.5	6.22	0.00021	1.66	857.84	177.6	0.24
Scolmatore	59.9	Tr30 (24h)	1176.57	-1.48	5.8	2.41	5.93	0.0003	1.61	738.01	162.6	0.24
Scolmatore	59.9	Tr30 (36h)	1155.97	-1.48	5.86	2.38	5.98	0.00028	1.57	747.46	162.6	0.23
Scolmatore	59.9	Tr200 (24h)	1563.22	-1.48	6.83	2.86	6.98	0.00029	1.73	917.18	177.6	0.24
Scolmatore	59.9	Tr200 (36h)	1535.02	-1.48	6.68	2.82	6.84	0.0003	1.75	892	177.6	0.24
Scolmatore	59.9	WS500	500	-1.48	4.25	1.37	4.3	0.00015	1	498.26	134.58	0.17
Scolmatore	59.9	WS1000	1000	-1.48	5.26	2.17	5.38	0.0003	1.55	652.59	151.02	0.23
Scolmatore	59.9	WS1400	1400	-1.48	6.07	2.67	6.23	0.00039	1.81	782.19	177.6	0.27
Scolmatore	60	Tr30 (24h)	1176.57	-2.04	5.83	2	5.94	0.00016	1.45	810.9	163.64	0.21
Scolmatore	60	Tr30 (36h)	1155.97	-2.04	5.91	1.98	5.99	0.00013	1.29	947.94	216.29	0.18
Scolmatore	60	Tr200 (24h)	1563.22	-2.04	6.89	2.42	6.98	0.00012	1.43	1160.37	217.9	0.19
Scolmatore	60	Tr200 (36h)	1535.02	-2.04	6.75	2.39	6.85	0.00013	1.44	1129.78	217.66	0.19
Scolmatore	60	WS500	500	-2.04	4.27	1.03	4.31	7.3E-05	0.86	581.47	143.09	0.14
Scolmatore	60	WS1000	1000	-2.04	5.29	1.79	5.39	0.00014	1.37	729.87	147.03	0.2
Scolmatore	60	WS1400	1400	-2.04	6.13	2.25	6.24	0.00016	1.49	996.79	216.66	0.21
Scolmatore	60.9	Tr30 (24h)	1176.57	-2.05	5.86	1.98	5.94	0.00013	1.33	941.45	216.23	0.19
Scolmatore	60.9	Tr30 (36h)	1155.97	-2.05	5.91	1.96	5.99	0.00012	1.29	953.18	216.31	0.18
Scolmatore	60.9	Tr200 (24h)	1563.22	-2.05	6.89	2.4	6.99	0.00012	1.42	1165.63	217.92	0.19
Scolmatore	60.9	Tr200 (36h)	1535.02	-2.05	6.75	2.37	6.85	0.00013	1.43	1135.06	217.69	0.19
Scolmatore	60.9	WS500	500	-2.05	4.27	1.01	4.31	7.2E-05	0.86	584.55	143.19	0.14
Scolmatore	60.9	WS1000	1000	-2.05	5.3	1.77	5.39	0.00014	1.36	733.28	147.13	0.19
Scolmatore	60.9	WS1400	1400	-2.05	6.14	2.23	6.24	0.00015	1.48	1002.2	216.69	0.21
Scolmatore	61		Bridge									
Scolmatore	61.1	Tr30 (24h)	1176.57	-1.87	5.87	2.07	5.98	0.00015	1.47	800.45	146.65	0.2
Scolmatore	61.1	Tr30 (36h)	1155.97	-1.87	5.91	2.04	6.02	0.00014	1.43	805.99	148.8	0.2
Scolmatore	61.1	Tr200 (24h)	1563.22	-1.87	7.02	2.49	7.12	0.00011	1.4	1231.08	241.38	0.18
Scolmatore	61.1	Tr200 (36h)	1535.02	-1.87	6.88	2.46	6.98	0.00012	1.45	1132.11	215.96	0.19
Scolmatore	61.1	WS500	500	-1.87	4.28	1.11	4.31	7.7E-05	0.88	570.21	141.33	0.14
Scolmatore	61.1	WS1000	1000	-1.87	5.31	1.86	5.41	0.00015	1.39	718.96	144.86	0.2
Scolmatore	61.1	WS1400	1400	-1.87	6.27	2.32	6.37	0.00015	1.5	999.87	215.71	0.2
Scolmatore	62	Tr30 (24h)	1176.57	-1.85	5.88	2.07	5.99	0.00015	1.47	799.93	146.62	0.2
Scolmatore	62	Tr30 (36h)	1155.97	-1.85	5.91	2.05	6.02	0.00014	1.44	805.43	147.58	0.2
Scolmatore	62	Tr200 (24h)	1563.22	-1.85	7.03	2.49	7.12	0.00011	1.38	1230.26	241.37	0.18
Scolmatore	62	Tr200 (36h)	1535.02	-1.85	6.89	2.46	6.98	0.00013	1.44	1131.39	215.96	0.19
Scolmatore	62	WS500	500	-1.85	4.28	1.11	4.32	7.7E-05	0.88	569.6	141.3	0.14
Scolmatore	62	WS1000	1000	-1.85	5.32	1.86	5.42	0.00015	1.39	718.46	144.83	0.2
Scolmatore	62	WS1400	1400	-1.85	6.27	2.32	6.38	0.00015	1.49	999.29	215.71	0.21
Scolmatore	63	Tr30 (24h)	1176.57	-1.92	5.92	2.35	6.03	0.00016	1.51	804.39	161.54	0.21
Scolmatore	63	Tr30 (36h)	1155.97	-1.92	5.96	2.32	6.06	0.00015	1.47	810.05	161.61	0.21
Scolmatore	63	Tr200 (24h)	1563.22	-1.92	7.04	2.83	7.17	0.00016	1.61	995.26	176.45	0.21
Scolmatore	63	Tr200 (36h)	1535.02	-1.92	6.91	2.8	7.04	0.00017	1.62	971.96	175.7	0.22
Scolmatore	63	WS500	500	-1.92	4.3	1.08	4.35	0.00011	0.98	511.11	136	0.16
Scolmatore	63	WS1000	1000	-1.92	5.36	2.11	5.47	0.00017	1.44	714.43	160.45	0.21
Scolmatore	63	WS1400	1400	-1.92	6.31	2.63	6.44	0.0002	1.66	867.25	172.25	0.23
Scolmatore	64	Tr30 (24h)	1176.57	-1.65	6.06	2.67	6.16	0.00016	1.44	846.61	177.24	0.21

Scolmatore	64	Tr30 (36h)	1155.97	-1.65	6.09	2.64	6.18	0.00015	1.41	851.47	177.29	0.2
Scolmatore	64	Tr200 (24h)	1563.22	-1.65	7.18	3.14	7.29	0.00015	1.51	1057.8	196.64	0.21
Scolmatore	64	Tr200 (36h)	1535.02	-1.65	7.05	3.1	7.17	0.00016	1.52	1032.76	195.96	0.21
Scolmatore	64	WS500	500	-1.65	4.38	1.61	4.44	0.00013	1.04	480.86	136.53	0.18
Scolmatore	64	WS1000	1000	-1.65	5.51	2.43	5.6	0.00017	1.38	748.86	176.31	0.21
Scolmatore	64	WS1400	1400	-1.65	6.47	2.94	6.59	0.00018	1.57	919.94	184.06	0.22
Scolmatore	65	Tr30 (24h)	1176.57	-1.53	6.12	2.77	6.25	0.00022	1.59	755.91	172.25	0.24
Scolmatore	65	Tr30 (36h)	1155.97	-1.53	6.15	2.74	6.27	0.00021	1.56	760.06	172.3	0.23
Scolmatore	65	Tr200 (24h)	1563.22	-1.53	7.26	3.25	7.36	0.00014	1.5	1140	251.59	0.2
Scolmatore	65	Tr200 (36h)	1535.02	-1.53	7.13	3.21	7.24	0.00015	1.51	1108.5	250.48	0.21
Scolmatore	65	WS500	500	-1.53	4.44	1.62	4.5	0.00014	1.07	466.07	134.9	0.18
Scolmatore	65	WS1000	1000	-1.53	5.57	2.54	5.7	0.00025	1.6	624.54	151.09	0.25
Scolmatore	65	WS1400	1400	-1.53	6.54	3.05	6.69	0.00023	1.73	827.82	173.11	0.25
Scolmatore	65.9	Tr30 (24h)	1176.57	-1.55	6.12	2.75	6.25	0.00021	1.59	758.16	171.9	0.24
Scolmatore	65.9	Tr30 (36h)	1155.97	-1.55	6.15	2.73	6.27	0.0002	1.55	762.28	171.95	0.23
Scolmatore	65.9	Tr200 (24h)	1563.22	-1.55	7.26	3.23	7.36	0.00014	1.5	1142.64	251.29	0.2
Scolmatore	65.9	Tr200 (36h)	1535.02	-1.55	7.13	3.2	7.24	0.00015	1.51	1111.2	250.21	0.21
Scolmatore	65.9	WS500	500	-1.55	4.44	1.6	4.5	0.00014	1.07	468.41	135.03	0.18
Scolmatore	65.9	WS1000	1000	-1.55	5.57	2.52	5.7	0.00024	1.59	627.27	150.94	0.25
Scolmatore	65.9	WS1400	1400	-1.55	6.54	3.03	6.69	0.00023	1.73	829.97	172.8	0.25
Scolmatore	66	Bridge										
Scolmatore	66.1	Tr30 (24h)	1176.57	-1.62	6.18	2.82	6.33	0.00023	1.71	688.03	142.4	0.25
Scolmatore	66.1	Tr30 (36h)	1155.97	-1.62	6.2	2.79	6.35	0.00022	1.67	691.53	142.52	0.24
Scolmatore	66.1	Tr200 (24h)	1563.22	-1.62	7.53	3.3	7.63	0.00013	1.49	1173.25	256.85	0.19
Scolmatore	66.1	Tr200 (36h)	1535.02	-1.62	7.39	3.27	7.49	0.00014	1.51	1137.11	255	0.2
Scolmatore	66.1	WS500	500	-1.62	4.48	1.7	4.54	0.00014	1.1	455.5	129.82	0.19
Scolmatore	66.1	WS1000	1000	-1.62	5.63	2.57	5.77	0.00024	1.64	610.93	139.8	0.25
Scolmatore	66.1	WS1400	1400	-1.62	6.6	3.11	6.78	0.00025	1.87	748.1	144.4	0.26
Scolmatore	67	Tr30 (24h)	1176.57	-1.62	6.18	2.82	6.33	0.00023	1.71	688.84	142.57	0.25
Scolmatore	67	Tr30 (36h)	1155.97	-1.62	6.21	2.8	6.35	0.00022	1.67	692.31	142.69	0.24
Scolmatore	67	Tr200 (24h)	1563.22	-1.62	7.53	3.3	7.63	0.00013	1.48	1174.18	256.98	0.19
Scolmatore	67	Tr200 (36h)	1535.02	-1.62	7.39	3.27	7.5	0.00014	1.5	1138.05	255.14	0.2
Scolmatore	67	WS500	500	-1.62	4.48	1.71	4.55	0.00014	1.1	455.74	129.95	0.19
Scolmatore	67	WS1000	1000	-1.62	5.64	2.58	5.77	0.00024	1.63	611.64	140.04	0.25
Scolmatore	67	WS1400	1400	-1.62	6.6	3.11	6.78	0.00025	1.87	749.03	144.52	0.26
Scolmatore	68	Tr30 (24h)	1176.57	-2.04	6.32	2.55	6.44	0.00016	1.52	775.89	146.33	0.21
Scolmatore	68	Tr30 (36h)	1155.97	-2.04	6.34	2.52	6.45	0.00015	1.48	778.48	146.45	0.21
Scolmatore	68	Tr200 (24h)	1563.22	-2.04	7.59	3.02	7.71	0.00013	1.58	1009.44	164.66	0.2
Scolmatore	68	Tr200 (36h)	1535.02	-2.04	7.45	2.99	7.58	0.00014	1.59	986.91	164.45	0.2
Scolmatore	68	WS500	500	-2.04	4.56	0.93	4.61	9.7E-05	0.95	526.35	138.53	0.16
Scolmatore	68	WS1000	1000	-2.04	5.77	2.25	5.88	0.00016	1.43	697.15	143.5	0.21
Scolmatore	68	WS1400	1400	-2.04	6.76	2.84	6.89	0.00017	1.64	873.34	163.4	0.22
Scolmatore	69	Tr30 (24h)	1176.57	-1.51	6.34	2.74	6.47	0.00018	1.61	732.65	138.79	0.22
Scolmatore	69	Tr30 (36h)	1155.97	-1.51	6.36	2.7	6.48	0.00017	1.57	734.95	138.83	0.22
Scolmatore	69	Tr200 (24h)	1563.22	-1.51	7.6	3.19	7.75	0.00017	1.71	911.79	146.9	0.22
Scolmatore	69	Tr200 (36h)	1535.02	-1.51	7.46	3.16	7.61	0.00017	1.72	891.85	146.2	0.22
Scolmatore	69	WS500	500	-1.51	4.58	1.56	4.63	0.00012	1.02	492.42	132.75	0.17
Scolmatore	69	WS1000	1000	-1.51	5.8	2.42	5.91	0.00018	1.52	657.69	137.34	0.22
Scolmatore	69	WS1400	1400	-1.51	6.78	3.01	6.93	0.0002	1.76	793.36	140.06	0.24
Scolmatore	69.9	Tr30 (24h)	1176.57	-1.49	6.34	2.75	6.47	0.00018	1.61	730.84	138.67	0.22
Scolmatore	69.9	Tr30 (36h)	1155.97	-1.49	6.36	2.71	6.48	0.00017	1.58	733.13	138.72	0.22
Scolmatore	69.9	Tr200 (24h)	1563.22	-1.49	7.6	3.2	7.75	0.00017	1.72	909.61	146.35	0.22
Scolmatore	69.9	Tr200 (36h)	1535.02	-1.49	7.46	3.17	7.62	0.00017	1.73	889.76	145.67	0.22
Scolmatore	69.9	WS500	500	-1.49	4.58	1.57	4.63	0.00012	1.02	491.01	132.19	0.17
Scolmatore	69.9	WS1000	1000	-1.49	5.8	2.43	5.92	0.00019	1.52	655.97	137.14	0.22

Scolmatore	69.9	WS1400	1400	-1.49	6.78	3.02	6.94	0.0002	1.77	791.53	140.01	0.24
Scolmatore	70		Bridge									
Scolmatore	70.1	Tr30 (24h)	1176.57	-1.49	6.37	2.75	6.5	0.00018	1.6	734.92	138.76	0.22
Scolmatore	70.1	Tr30 (36h)	1155.97	-1.49	6.39	2.71	6.51	0.00017	1.57	737.07	138.8	0.22
Scolmatore	70.1	Tr200 (24h)	1563.22	-1.49	7.67	3.2	7.81	0.00016	1.7	919.56	147.31	0.22
Scolmatore	70.1	Tr200 (36h)	1535.02	-1.49	7.53	3.17	7.68	0.00017	1.71	898.96	145.99	0.22
Scolmatore	70.1	WS500	500	-1.49	4.59	1.57	4.64	0.00011	1.02	492.07	132.34	0.17
Scolmatore	70.1	WS1000	1000	-1.49	5.82	2.43	5.94	0.00018	1.52	658.93	137.2	0.22
Scolmatore	70.1	WS1400	1400	-1.49	6.82	3.02	6.98	0.0002	1.76	797.64	140.39	0.24
Scolmatore	71	Tr30 (24h)	1176.57	-0.76	6.33	3.73	6.52	0.00035	1.97	598.36	137.62	0.3
Scolmatore	71	Tr30 (36h)	1155.97	-0.76	6.35	3.7	6.53	0.00033	1.92	600.79	137.65	0.29
Scolmatore	71	Tr200 (24h)	1563.22	-0.76	7.63	4.26	7.84	0.00027	2.01	779.29	140.06	0.27
Scolmatore	71	Tr200 (36h)	1535.02	-0.76	7.49	4.23	7.7	0.00028	2.02	759.43	139.83	0.28
Scolmatore	71	WS500	500	-0.76	4.56	2.62	4.66	0.00033	1.4	358.37	132.23	0.27
Scolmatore	71	WS1000	1000	-0.76	5.78	3.48	5.96	0.00039	1.91	522.64	136.48	0.31
Scolmatore	71	WS1400	1400	-0.76	6.77	4.08	7	0.00036	2.12	659.94	138.54	0.31
Scolmatore	72	Tr30 (24h)	1176.57	-2.28	6.48	2.46	6.56	0.00011	1.26	962.9	187.46	0.17
Scolmatore	72	Tr30 (36h)	1155.97	-2.28	6.49	2.44	6.57	0.00011	1.24	964.9	187.48	0.17
Scolmatore	72	Tr200 (24h)	1563.22	-2.28	7.78	2.92	7.87	9.6E-05	1.33	1212.39	195.19	0.17
Scolmatore	72	Tr200 (36h)	1535.02	-2.28	7.64	2.89	7.73	0.0001	1.33	1185.39	194.99	0.17
Scolmatore	72	WS500	500	-2.28	4.64	1.29	4.68	8.5E-05	0.9	557.79	143.9	0.15
Scolmatore	72	WS1000	1000	-2.28	5.93	2.22	6	0.00012	1.2	859.24	186.41	0.18
Scolmatore	72	WS1400	1400	-2.28	6.95	2.73	7.04	0.00012	1.37	1051.05	191.35	0.18
Scolmatore	73	Tr30 (24h)	1176.57	0.07	6.52	3.43	6.68	0.00026	1.79	655.79	137.16	0.26
Scolmatore	73	Tr30 (36h)	1155.97	0.07	6.53	3.4	6.68	0.00025	1.76	657.04	137.25	0.26
Scolmatore	73	Tr200 (24h)	1563.22	0.07	7.81	3.9	7.97	0.0002	1.8	898.89	173.34	0.24
Scolmatore	73	Tr200 (36h)	1535.02	0.07	7.67	3.86	7.84	0.00021	1.81	875.26	172.47	0.24
Scolmatore	73	WS500	500	0.07	4.69	2.46	4.76	0.00019	1.21	413.49	127.28	0.21
Scolmatore	73	WS1000	1000	0.07	5.97	3.2	6.12	0.00027	1.72	581.79	134.44	0.26
Scolmatore	73	WS1400	1400	0.07	6.98	3.7	7.18	0.00028	1.94	720.72	141.59	0.27
Scolmatore	75	Tr30 (24h)	1173.31	-1.58	6.57	3.05	6.71	0.00019	1.62	724.26	143.55	0.23
Scolmatore	75	Tr30 (36h)	1138.19	-1.58	6.58	3	6.71	0.00018	1.57	725.74	143.6	0.22
Scolmatore	75	Tr200 (24h)	1464.05	-1.58	7.88	3.39	7.99	0.00014	1.53	1003.38	213.89	0.2
Scolmatore	75	Tr200 (36h)	1459.79	-1.58	7.74	3.39	7.86	0.00014	1.57	965.56	176.97	0.2
Scolmatore	75	WS500	500	-1.58	4.72	1.93	4.78	0.00014	1.07	467.32	133.93	0.18
Scolmatore	75	WS1000	1000	-1.58	6.03	2.82	6.15	0.0002	1.55	646.47	140.87	0.23
Scolmatore	75	WS1400	1400	-1.58	7.04	3.32	7.2	0.00021	1.77	792.4	145.9	0.24
Scolmatore	77	Tr30 (24h)	1173.31	-1.58	6.65	3.02	6.78	0.00018	1.59	738.1	142.06	0.22
Scolmatore	77	Tr30 (36h)	1138.19	-1.58	6.65	2.98	6.77	0.00017	1.54	738.84	142.08	0.22
Scolmatore	77	Tr200 (24h)	1464.05	-1.58	8	3.37	8.02	2.3E-05	0.64	2390.28	436.5	0.08
Scolmatore	77	Tr200 (36h)	1459.79	-1.58	7.87	3.36	7.89	2.5E-05	0.65	2320.21	401.66	0.08
Scolmatore	77	WS500	500	-1.58	4.78	1.93	4.83	0.00013	1.04	479.38	134	0.18
Scolmatore	77	WS1000	1000	-1.58	6.1	2.8	6.22	0.00019	1.51	661.34	139.85	0.22
Scolmatore	77	WS1400	1400	-1.58	7.22	3.29	7.24	3.3E-05	0.72	2062.06	397.73	0.1
Scolmatore	78	Tr30 (24h)	1173.31	-0.52	6.76	3.57	6.91	0.00023	1.71	686.5	142.75	0.25
Scolmatore	78	Tr30 (36h)	1138.19	-0.52	6.76	3.53	6.9	0.00022	1.66	686.23	142.73	0.24
Scolmatore	78	Tr200 (24h)	1464.05	-0.52	8	3.91	8.05	6.8E-05	1.04	1517.45	297.32	0.14
Scolmatore	78	Tr200 (36h)	1459.79	-0.52	7.87	3.91	7.92	7.3E-05	1.06	1478.1	296.67	0.14
Scolmatore	78	WS500	500	-0.52	4.86	2.51	4.93	0.00019	1.18	424.44	133.66	0.21
Scolmatore	78	WS1000	1000	-0.52	6.22	3.35	6.36	0.00024	1.64	610.23	139.78	0.25
Scolmatore	78	WS1400	1400	-0.52	7.15	3.84	7.33	0.00026	1.88	742.87	146.18	0.27
Scolmatore	79	Tr30 (24h)	1173.31	-0.17	6.84	3.67	6.98	0.00023	1.65	709.06	154.3	0.25
Scolmatore	79	Tr30 (36h)	1138.19	-0.17	6.83	3.63	6.96	0.00022	1.61	708.07	154.26	0.24
Scolmatore	79	Tr200 (24h)	1464.05	-0.17	8.01	4.01	8.08	9.6E-05	1.22	1302.25	269.79	0.17

Scolmatore	79	Tr200 (36h)	1459.79	-0.17	7.88	4	7.95	0.00011	1.25	1266.82	269.27	0.17
Scolmatore	79	WS500	500	-0.17	4.92	2.7	4.99	0.00019	1.16	429.91	137.63	0.21
Scolmatore	79	WS1000	1000	-0.17	6.3	3.46	6.43	0.00024	1.6	626.75	150.86	0.25
Scolmatore	79	WS1400	1400	-0.17	7.31	3.94	7.4	0.00014	1.37	1114.71	267	0.2
Scolmatore	80	Tr30 (24h)	1173.31	-1.77	6.94	3.57	7.09	0.00021	1.71	685.11	133.39	0.24
Scolmatore	80	Tr30 (36h)	1138.19	-1.77	6.93	3.53	7.07	0.0002	1.67	683.49	133.34	0.23
Scolmatore	80	Tr200 (24h)	1464.05	-1.77	8.01	3.91	8.17	0.00018	1.76	830.28	137.56	0.23
Scolmatore	80	Tr200 (36h)	1459.79	-1.77	7.88	3.91	8.05	0.0002	1.8	812.66	137.12	0.24
Scolmatore	80	WS500	500	-1.77	5.01	2.46	5.07	0.00016	1.15	434.48	126.01	0.2
Scolmatore	80	WS1000	1000	-1.77	6.41	3.35	6.54	0.00022	1.63	614.74	131.29	0.24
Scolmatore	80	WS1400	1400	-1.77	7.33	3.84	7.52	0.00024	1.9	738	134.95	0.26
Scolmatore	80.9	Tr30 (24h)	1173.31	-1.84	6.95	3.48	7.09	0.0002	1.68	697.5	133.75	0.24
Scolmatore	80.9	Tr30 (36h)	1138.19	-1.84	6.94	3.44	7.07	0.00019	1.64	695.82	133.7	0.23
Scolmatore	80.9	Tr200 (24h)	1464.05	-1.84	8.02	3.83	8.17	0.00018	1.74	842.93	137.85	0.22
Scolmatore	80.9	Tr200 (36h)	1459.79	-1.84	7.89	3.82	8.05	0.00019	1.77	825.33	137.44	0.23
Scolmatore	80.9	WS500	500	-1.84	5.01	2.38	5.08	0.00015	1.12	445.91	126.31	0.19
Scolmatore	80.9	WS1000	1000	-1.84	6.42	3.26	6.55	0.00021	1.6	626.94	131.63	0.23
Scolmatore	80.9	WS1400	1400	-1.84	7.34	3.75	7.52	0.00023	1.86	750.69	135.32	0.25
Scolmatore	81	Bridge										
Scolmatore	81.1	Tr30 (24h)	1173.31	-1.45	7.11	3.66	7.24	0.00019	1.62	722.78	139.94	0.23
Scolmatore	81.1	Tr30 (36h)	1138.19	-1.45	7.09	3.62	7.22	0.00018	1.58	720.89	139.88	0.22
Scolmatore	81.1	Tr200 (24h)	1464.05	-1.45	8.06	3.99	8.21	0.00017	1.71	858.29	143.77	0.22
Scolmatore	81.1	Tr200 (36h)	1459.79	-1.45	7.93	3.99	8.09	0.00019	1.74	839.8	143.25	0.23
Scolmatore	81.1	WS500	500	-1.45	5.18	2.69	5.24	0.00015	1.09	460.36	133.06	0.19
Scolmatore	81.1	WS1000	1000	-1.45	6.58	3.45	6.7	0.00019	1.54	649.08	137.81	0.23
Scolmatore	81.1	WS1400	1400	-1.45	7.38	3.92	7.55	0.00023	1.84	761.38	141.04	0.25
Scolmatore	82	Tr30 (24h)	1173.31	-1.44	7.11	3.66	7.24	0.00019	1.62	722.65	139.91	0.23
Scolmatore	82	Tr30 (36h)	1138.19	-1.44	7.1	3.62	7.22	0.00018	1.58	720.74	139.85	0.22
Scolmatore	82	Tr200 (24h)	1464.05	-1.44	8.06	4	8.21	0.00017	1.71	858.08	143.7	0.22
Scolmatore	82	Tr200 (36h)	1459.79	-1.44	7.94	3.99	8.09	0.00019	1.74	839.62	143.19	0.23
Scolmatore	82	WS500	500	-1.44	5.18	2.69	5.24	0.00015	1.09	460.16	133.05	0.19
Scolmatore	82	WS1000	1000	-1.44	6.58	3.46	6.7	0.00019	1.54	648.98	137.8	0.23
Scolmatore	82	WS1400	1400	-1.44	7.38	3.92	7.56	0.00023	1.84	761.34	141	0.25
Scolmatore	83	Tr30 (24h)	1173.31	-1.51	7.21	3.77	7.34	0.00019	1.61	729.51	143.12	0.23
Scolmatore	83	Tr30 (36h)	1138.19	-1.51	7.19	3.73	7.32	0.00018	1.57	726.78	143.04	0.22
Scolmatore	83	Tr200 (24h)	1464.05	-1.51	8.16	4.1	8.3	0.00017	1.66	900.66	163.42	0.22
Scolmatore	83	Tr200 (36h)	1459.79	-1.51	8.04	4.1	8.19	0.00018	1.69	880.63	163.19	0.22
Scolmatore	83	WS500	500	-1.51	5.26	2.68	5.32	0.00015	1.09	458.24	134.85	0.19
Scolmatore	83	WS1000	1000	-1.51	6.68	3.56	6.8	0.00019	1.53	654.35	140.88	0.23
Scolmatore	83	WS1400	1400	-1.51	7.51	4.03	7.68	0.00023	1.81	772.42	144.76	0.25
Scolmatore	84	Tr30 (24h)	1173.31	-1.4	7.3	3.93	7.43	0.0002	1.62	724.45	144.02	0.23
Scolmatore	84	Tr30 (36h)	1138.19	-1.4	7.27	3.88	7.4	0.00019	1.58	721.12	143.92	0.23
Scolmatore	84	Tr200 (24h)	1452.8	-1.4	8.24	4.24	8.38	0.00017	1.65	901.74	168.05	0.22
Scolmatore	84	Tr200 (36h)	1454.4	-1.4	8.12	4.24	8.27	0.00018	1.68	881.84	166.81	0.23
Scolmatore	84	WS500	500	-1.4	5.33	2.84	5.39	0.00016	1.11	449.05	135.72	0.2
Scolmatore	84	WS1000	1000	-1.4	6.77	3.72	6.89	0.0002	1.54	649.07	141.8	0.23
Scolmatore	84	WS1400	1400	-1.4	7.61	4.18	7.78	0.00023	1.82	770.18	146.31	0.25
Scolmatore	85	Tr30 (24h)	1173.31	-1.41	7.39	3.76	7.51	0.00016	1.5	781.28	151.58	0.21
Scolmatore	85	Tr30 (36h)	1138.19	-1.41	7.37	3.72	7.48	0.00016	1.46	777.07	151.46	0.21
Scolmatore	85	Tr200 (24h)	1452.8	-1.41	8.33	4.08	8.45	0.00014	1.54	961.42	174.91	0.2
Scolmatore	85	Tr200 (36h)	1454.4	-1.41	8.22	4.08	8.34	0.00015	1.58	941.69	174.69	0.21
Scolmatore	85	WS500	500	-1.41	5.4	2.55	5.45	0.00013	1.02	488.62	141.24	0.18
Scolmatore	85	WS1000	1000	-1.41	6.87	3.54	6.97	0.00017	1.42	701.94	149.41	0.21
Scolmatore	85	WS1400	1400	-1.41	7.73	4.02	7.87	0.00019	1.68	832.33	152.96	0.23

Scolmatore	86	Tr30 (24h)	1173.31	-1.57	7.49	3.71	7.6	0.00014	1.43	821.69	156.05	0.2
Scolmatore	86	Tr30 (36h)	1138.19	-1.57	7.46	3.67	7.56	0.00014	1.39	816.69	155.89	0.19
Scolmatore	86	Tr200 (24h)	1452.8	-1.57	8.42	4.02	8.53	0.00013	1.48	999.8	178.89	0.19
Scolmatore	86	Tr200 (36h)	1454.4	-1.57	8.31	4.02	8.42	0.00014	1.51	980.67	178.57	0.2
Scolmatore	86	WS500	500	-1.57	5.47	2.34	5.52	0.00011	0.97	517.01	145.77	0.16
Scolmatore	86	WS1000	1000	-1.57	6.96	3.5	7.06	0.00014	1.35	740.15	153.37	0.2
Scolmatore	86	WS1400	1400	-1.57	7.85	3.96	7.97	0.00017	1.6	877.29	158.9	0.22
Scolmatore	87	Tr30 (24h)	1173.31	-1.07	7.52	4.27	7.66	0.00022	1.66	707.42	145.47	0.24
Scolmatore	87	Tr30 (36h)	1138.19	-1.07	7.49	4.23	7.62	0.00021	1.62	702.59	145.28	0.24
Scolmatore	87	Tr200 (24h)	1452.8	-1.07	8.44	4.59	8.59	0.0002	1.71	864.22	176.08	0.23
Scolmatore	87	Tr200 (36h)	1454.4	-1.07	8.33	4.59	8.49	0.00021	1.75	845.72	174.32	0.24
Scolmatore	87	WS500	500	-1.07	5.5	3.2	5.57	0.00019	1.18	424.6	134.89	0.21
Scolmatore	87	WS1000	1000	-1.07	6.99	4.06	7.12	0.00022	1.58	631.8	142.6	0.24
Scolmatore	87	WS1400	1400	-1.07	7.88	4.53	8.05	0.00025	1.84	759.72	147.54	0.26
Scolmatore	88	Tr30 (24h)	1173.31	-1.12	7.62	4.02	7.74	0.00018	1.54	759.96	148.09	0.22
Scolmatore	88	Tr30 (36h)	1138.19	-1.12	7.58	3.98	7.7	0.00017	1.51	754.43	147.82	0.21
Scolmatore	88	Tr200 (24h)	1452.8	-1.12	8.53	4.34	8.66	0.00017	1.62	897.05	154.46	0.21
Scolmatore	88	Tr200 (36h)	1454.4	-1.12	8.43	4.34	8.57	0.00018	1.65	881.7	153.76	0.22
Scolmatore	88	WS500	500	-1.12	5.58	2.97	5.64	0.00014	1.06	472.3	135.65	0.18
Scolmatore	88	WS1000	1000	-1.12	7.1	3.8	7.21	0.00018	1.46	683.31	144.4	0.21
Scolmatore	88	WS1400	1400	-1.12	8	4.28	8.15	0.00021	1.72	815.81	150.72	0.24
Scolmatore	89	Tr30 (24h)	1173.31	-0.97	7.64	4.87	7.82	0.0003	1.88	623.62	136.34	0.28
Scolmatore	89	Tr30 (36h)	1137.63	-0.97	7.6	4.83	7.78	0.00029	1.84	618.45	136.2	0.28
Scolmatore	89	Tr200 (24h)	1403.37	-0.97	8.55	5.14	8.73	0.00024	1.87	748.97	139.78	0.26
Scolmatore	89	Tr200 (36h)	1405.96	-0.97	8.45	5.14	8.64	0.00026	1.91	735.26	139.41	0.27
Scolmatore	89	WS500	500	-0.97	5.61	2.99	5.71	0.00033	1.41	354.11	128.65	0.27
Scolmatore	89	WS1000	1000	-0.97	7.12	4.66	7.29	0.00032	1.81	553.04	134.37	0.28
Scolmatore	89	WS1400	1400	-0.97	8.02	5.13	8.24	0.00034	2.07	674.99	137.76	0.3
Scolmatore	89.9	Tr30 (24h)	1173.31	-0.97	7.65	4.87	7.83	0.0003	1.88	623.96	136.36	0.28
Scolmatore	89.9	Tr30 (36h)	1137.63	-0.97	7.61	4.83	7.78	0.00029	1.84	618.78	136.22	0.28
Scolmatore	89.9	Tr200 (24h)	1403.37	-0.97	8.55	5.14	8.73	0.00024	1.87	749.24	139.79	0.26
Scolmatore	89.9	Tr200 (36h)	1405.96	-0.97	8.45	5.14	8.64	0.00026	1.91	735.56	139.42	0.27
Scolmatore	89.9	WS500	500	-0.97	5.61	2.99	5.71	0.00033	1.41	354.42	128.7	0.27
Scolmatore	89.9	WS1000	1000	-0.97	7.12	4.66	7.29	0.00032	1.81	553.39	134.4	0.28
Scolmatore	89.9	WS1400	1400	-0.97	8.02	5.14	8.24	0.00033	2.07	675.4	137.78	0.3
Scolmatore	90		Bridge									
Scolmatore	90.1	Tr30 (24h)	1173.31	-0.74	7.66	5.25	7.87	0.0004	2.05	571.31	136.51	0.32
Scolmatore	90.1	Tr30 (36h)	1137.63	-0.74	7.62	5.21	7.83	0.00039	2.01	565.89	136.34	0.31
Scolmatore	90.1	Tr200 (24h)	1403.37	-0.74	8.6	5.54	8.8	0.0003	2	701.01	140.58	0.29
Scolmatore	90.1	Tr200 (36h)	1405.96	-0.74	8.49	5.54	8.71	0.00032	2.05	686.89	140.15	0.3
Scolmatore	90.1	WS500	500	-0.74	6	3.93	6.1	0.00034	1.43	350.68	128.29	0.28
Scolmatore	90.1	WS1000	1000	-0.74	7.51	5.02	7.68	0.00033	1.82	550.84	135.86	0.29
Scolmatore	90.1	WS1400	1400	-0.74	8.05	5.54	8.31	0.00043	2.24	625.13	138.22	0.34
Scolmatore	91	Tr30 (24h)	1173.31	-0.77	7.67	5.23	7.88	0.00039	2.04	575.93	136.64	0.32
Scolmatore	91	Tr30 (36h)	1137.63	-0.77	7.63	5.18	7.83	0.00038	1.99	570.46	136.47	0.31
Scolmatore	91	Tr200 (24h)	1403.37	-0.77	8.6	5.51	8.8	0.0003	1.99	705.44	140.7	0.28
Scolmatore	91	Tr200 (36h)	1405.96	-0.77	8.5	5.52	8.71	0.00032	2.03	691.38	140.27	0.29
Scolmatore	91	WS500	500	-0.77	6	3.9	6.1	0.00033	1.41	354.82	128.45	0.27
Scolmatore	91	WS1000	1000	-0.77	7.52	4.99	7.68	0.00032	1.8	555.2	135.98	0.28
Scolmatore	91	WS1400	1400	-0.77	8.06	5.51	8.31	0.00042	2.22	629.94	138.35	0.33
Scolmatore	92	Tr30 (24h)	1173.31	-0.29	7.78	4.76	7.93	0.00024	1.71	685.57	145.51	0.25
Scolmatore	92	Tr30 (36h)	1137.63	-0.29	7.74	4.72	7.88	0.00023	1.68	679.14	145.33	0.25
Scolmatore	92	Tr200 (24h)	1403.37	-0.29	8.7	5.02	8.84	0.0002	1.71	821.56	153.91	0.24
Scolmatore	92	Tr200 (36h)	1405.96	-0.29	8.6	5.02	8.76	0.00021	1.74	807.05	152.29	0.24
Scolmatore	92	WS500	500	-0.29	6.08	3.74	6.14	0.00017	1.13	443.57	138.56	0.2

Scolmatore	92	WS1000	1000	-0.29	7.6	4.55	7.72	0.0002	1.51	660.15	144.8	0.23
Scolmatore	92	WS1400	1400	-0.29	8.19	5.02	8.37	0.00026	1.88	745.16	147.33	0.27
Scolmatore	93	Tr30 (24h)	1173.31	0.04	7.8	5.08	7.97	0.0003	1.83	639.62	146.1	0.28
Scolmatore	93	Tr30 (36h)	1137.63	0.04	7.76	5.03	7.92	0.00029	1.8	633.06	145.87	0.28
Scolmatore	93	Tr200 (24h)	1403.37	0.04	8.71	5.35	8.88	0.00025	1.81	775.35	156.77	0.26
Scolmatore	93	Tr200 (36h)	1405.96	0.04	8.62	5.36	8.79	0.00026	1.85	760.77	151.87	0.26
Scolmatore	93	WS500	500	0.04	6.09	4.01	6.17	0.00024	1.26	397.45	137.45	0.24
Scolmatore	93	WS1000	1000	0.04	7.62	4.85	7.76	0.00025	1.63	613.54	145.19	0.25
Scolmatore	93	WS1400	1400	0.04	8.21	5.35	8.41	0.00032	2	699.79	148.12	0.29
Scolmatore	95	Tr30 (24h)	1173.31	0.02	7.93	5.2	8.09	0.00029	1.81	649.96	146.79	0.27
Scolmatore	95	Tr30 (36h)	1137.63	0.02	7.88	5.16	8.04	0.00028	1.77	642.82	146.58	0.27
Scolmatore	95	Tr200 (24h)	1403.37	0.02	8.81	5.46	8.98	0.00023	1.79	782.57	152.66	0.25
Scolmatore	95	Tr200 (36h)	1405.96	0.02	8.72	5.46	8.89	0.00025	1.83	768.91	151.46	0.26
Scolmatore	95	WS500	500	0.02	6.19	4.13	6.27	0.00024	1.24	402.13	139.23	0.23
Scolmatore	95	WS1000	1000	0.02	7.72	5	7.86	0.00024	1.61	620.49	145.92	0.25
Scolmatore	95	WS1400	1400	0.02	8.35	5.45	8.54	0.00031	1.97	711.95	149	0.29
Scolmatore	96	Tr30 (24h)	1173.31	0.33	7.99	5.21	8.15	0.00028	1.79	656.63	146.75	0.27
Scolmatore	96	Tr30 (36h)	1137.63	0.33	7.94	5.17	8.09	0.00027	1.75	649.23	146.52	0.27
Scolmatore	96	Tr200 (24h)	1403.37	0.33	8.86	5.46	9.03	0.00023	1.78	793.7	167.85	0.25
Scolmatore	96	Tr200 (36h)	1405.96	0.33	8.78	5.47	8.94	0.00024	1.82	774.23	151.85	0.26
Scolmatore	96	WS500	500	0.33	6.24	4.11	6.32	0.00023	1.23	407.52	138.89	0.23
Scolmatore	96	WS1000	1000	0.33	7.78	5	7.91	0.00023	1.6	625.66	145.79	0.25
Scolmatore	96	WS1400	1400	0.33	8.41	5.46	8.6	0.0003	1.95	719.36	149.07	0.28
Scolmatore	97	Tr30 (24h)	1173.31	0.46	8.07	5.1	8.22	0.00024	1.72	683.49	146.79	0.25
Scolmatore	97	Tr30 (36h)	1137.63	0.46	8.02	5.06	8.16	0.00024	1.68	675.75	146.54	0.25
Scolmatore	97	Tr200 (24h)	1403.37	0.46	8.93	5.36	9.08	0.00022	1.73	813.21	159.51	0.24
Scolmatore	97	Tr200 (36h)	1405.96	0.46	8.85	5.36	9.01	0.00022	1.76	799.95	156.13	0.25
Scolmatore	97	WS500	500	0.46	6.31	4.14	6.37	0.00019	1.16	431.57	139.45	0.21
Scolmatore	97	WS1000	1000	0.46	7.84	4.9	7.96	0.00021	1.54	650.56	145.72	0.23
Scolmatore	97	WS1400	1400	0.46	8.5	5.35	8.68	0.00026	1.87	747.24	148.83	0.27
Scolmatore	98	Tr30 (24h)	1173.31	0.26	8.13	5.32	8.29	0.00028	1.77	661.88	149.12	0.27
Scolmatore	98	Tr30 (36h)	1137.63	0.26	8.07	5.28	8.23	0.00027	1.74	653.8	148.81	0.26
Scolmatore	98	Tr200 (24h)	1403.37	0.26	8.98	5.58	9.14	0.00023	1.77	791.77	154.66	0.25
Scolmatore	98	Tr200 (36h)	1405.96	0.26	8.9	5.58	9.07	0.00024	1.8	779.14	153.74	0.26
Scolmatore	98	WS500	500	0.26	6.35	4.29	6.43	0.00023	1.23	405.98	138.55	0.23
Scolmatore	98	WS1000	1000	0.26	7.89	5.11	8.02	0.00024	1.59	627.15	147.79	0.25
Scolmatore	98	WS1400	1400	0.26	8.56	5.58	8.75	0.00029	1.92	727.43	151.59	0.28
Scolmatore	99	Tr30 (24h)	1173.31	0.86	8.26	5.48	8.42	0.00028	1.74	674.01	159.14	0.27
Scolmatore	99	Tr30 (36h)	1137.63	0.86	8.21	5.44	8.35	0.00028	1.71	664.84	158.86	0.27
Scolmatore	99	Tr200 (24h)	1403.37	0.86	9.1	5.74	9.25	0.00023	1.73	808.86	167.29	0.25
Scolmatore	99	Tr200 (36h)	1405.96	0.86	9.02	5.74	9.18	0.00024	1.77	796.06	163.62	0.26
Scolmatore	99	WS500	500	0.86	6.46	4.49	6.54	0.00024	1.25	400	139.14	0.24
Scolmatore	99	WS1000	1000	0.86	8.01	5.28	8.14	0.00025	1.58	633.69	157.93	0.25
Scolmatore	99	WS1400	1400	0.86	8.71	5.74	8.89	0.00029	1.88	745.48	161.25	0.28
Scolmatore	100	Tr30 (24h)	1173.31	0.8	8.41	5.74	8.58	0.00031	1.84	637.32	148.3	0.28
Scolmatore	100	Tr30 (36h)	1137.63	0.8	8.35	5.7	8.52	0.00031	1.81	628.4	148.03	0.28
Scolmatore	100	Tr200 (24h)	1403.37	0.8	9.22	6	9.39	0.00027	1.85	759.1	155.83	0.27
Scolmatore	100	Tr200 (36h)	1405.96	0.8	9.15	6	9.33	0.00028	1.88	747.78	154.02	0.27
Scolmatore	100	WS500	500	0.8	6.6	4.71	6.69	0.00028	1.32	378.88	135.9	0.25
Scolmatore	100	WS1000	1000	0.8	8.14	5.53	8.28	0.00028	1.67	597.29	147.08	0.27
Scolmatore	100	WS1400	1400	0.8	8.86	6	9.06	0.00032	1.99	704.53	150.34	0.29
Scolmatore	101	Tr30 (24h)	1173.31	0.46	8.42	5.78	8.61	0.00033	1.93	607.88	137.88	0.29
Scolmatore	101	Tr30 (36h)	1137.63	0.46	8.36	5.73	8.54	0.00033	1.9	599.61	137.62	0.29
Scolmatore	101	Tr200 (24h)	1403.37	0.46	9.22	6.04	9.42	0.00028	1.95	720.19	141.3	0.28
Scolmatore	101	Tr200 (36h)	1405.96	0.46	9.15	6.05	9.35	0.00029	1.98	709.92	140.99	0.28



Scolmatore	101	WS500	500	0.46	6.61	4.66	6.7	0.0003	1.37	366.1	129.21	0.26
Scolmatore	101	WS1000	1000	0.46	8.15	5.56	8.3	0.00029	1.75	570.76	136.72	0.27
Scolmatore	101	WS1400	1400	0.46	8.87	6.04	9.09	0.00035	2.09	670.07	139.78	0.3
Scolmatore	101.9	Tr30 (24h)	1173.31	0.45	8.42	5.78	8.61	0.00033	1.93	607.72	137.87	0.29
Scolmatore	101.9	Tr30 (36h)	1137.63	0.45	8.36	5.74	8.54	0.00033	1.9	599.44	137.61	0.29
Scolmatore	101.9	Tr200 (24h)	1403.37	0.45	9.22	6.05	9.42	0.00028	1.95	719.97	141.28	0.28
Scolmatore	101.9	Tr200 (36h)	1405.96	0.45	9.15	6.05	9.35	0.00029	1.98	709.71	140.97	0.28
Scolmatore	101.9	WS500	500	0.45	6.61	4.66	6.71	0.0003	1.37	365.93	129.2	0.26
Scolmatore	101.9	WS1000	1000	0.45	8.15	5.57	8.3	0.00029	1.75	570.57	136.72	0.27
Scolmatore	101.9	WS1400	1400	0.45	8.87	6.04	9.09	0.00035	2.09	669.91	139.77	0.3
Scolmatore	102		Bridge									
Scolmatore	102.1	Tr30 (24h)	1173.31	0.84	8.44	5.88	8.64	0.00036	1.98	593.64	137.15	0.3
Scolmatore	102.1	Tr30 (36h)	1137.63	0.84	8.52	5.84	8.7	0.00031	1.88	605.14	137.45	0.29
Scolmatore	102.1	Tr200 (24h)	1403.37	0.84	9.25	6.16	9.45	0.00029	1.99	706.79	140.01	0.28
Scolmatore	102.1	Tr200 (36h)	1405.96	0.84	9.18	6.16	9.39	0.00031	2.02	696.56	139.76	0.29
Scolmatore	102.1	WS500	500	0.84	6.79	4.85	6.88	0.00028	1.34	373.12	129.01	0.25
Scolmatore	102.1	WS1000	1000	0.84	8.31	5.66	8.46	0.00028	1.74	576.18	136.7	0.27
Scolmatore	102.1	WS1400	1400	0.84	8.89	6.15	9.13	0.00037	2.13	656.8	138.76	0.31
Scolmatore	103	Tr30 (24h)	1173.31	0.82	8.44	5.87	8.64	0.00035	1.97	595.86	137.21	0.3
Scolmatore	103	Tr30 (36h)	1137.63	0.82	8.53	5.83	8.71	0.00031	1.87	607.24	137.5	0.28
Scolmatore	103	Tr200 (24h)	1403.37	0.82	9.26	6.14	9.46	0.00029	1.98	708.87	140.06	0.28
Scolmatore	103	Tr200 (36h)	1405.96	0.82	9.19	6.15	9.39	0.00031	2.01	698.68	139.8	0.29
Scolmatore	103	WS500	500	0.82	6.79	4.84	6.88	0.00027	1.33	374.98	129.03	0.25
Scolmatore	103	WS1000	1000	0.82	8.31	5.65	8.47	0.00028	1.73	578.16	136.75	0.27
Scolmatore	103	WS1400	1400	0.82	8.9	6.14	9.13	0.00036	2.12	659.1	138.81	0.31
Scolmatore	104	Tr30 (24h)	1173.31	0.64	8.5	5.42	8.66	0.00024	1.74	674.74	141.02	0.25
Scolmatore	104	Tr30 (36h)	1137.63	0.64	8.58	5.38	8.72	0.00022	1.66	685.46	141.36	0.24
Scolmatore	104	Tr200 (24h)	1403.37	0.64	9.31	5.69	9.47	0.00021	1.78	790.18	144.61	0.24
Scolmatore	104	Tr200 (36h)	1405.96	0.64	9.24	5.69	9.41	0.00022	1.8	780.03	144.29	0.25
Scolmatore	104	WS500	500	0.64	6.83	4.31	6.9	0.00016	1.12	444.92	133.6	0.2
Scolmatore	104	WS1000	1000	0.64	8.36	5.21	8.48	0.00019	1.53	654.66	140.39	0.23
Scolmatore	104	WS1400	1400	0.64	8.97	5.69	9.15	0.00026	1.89	740.6	143.07	0.27
Scolmatore	105.1	Tr30 (24h)	1173.31	0.47	8.54	5.79	8.72	0.00029	1.84	638.47	142.55	0.28
Scolmatore	105.1	Tr30 (36h)	1137.63	0.47	8.62	5.75	8.77	0.00026	1.75	648.68	142.87	0.26
Scolmatore	105.1	Tr200 (24h)	1403.37	0.47	9.35	6.06	9.52	0.00025	1.86	754.34	146.1	0.26
Scolmatore	105.1	Tr200 (36h)	1405.96	0.47	9.28	6.06	9.46	0.00026	1.89	744.32	145.8	0.27
Scolmatore	105.1	WS500	500	0.47	6.86	4.55	6.94	0.00023	1.24	404.48	135.09	0.23
Scolmatore	105.1	WS1000	1000	0.47	8.39	5.57	8.53	0.00024	1.62	617.01	141.88	0.25
Scolmatore	105.1	WS1400	1400	0.47	9.01	6.06	9.21	0.00031	1.98	705.4	144.61	0.29
Scolmatore	105.15	Tr30 (24h)	1173.31	0.47	8.54	5.8	8.72	0.00029	1.84	637.73	142.5	0.28
Scolmatore	105.15	Tr30 (36h)	1137.63	0.47	8.62	5.76	8.77	0.00026	1.76	647.93	142.81	0.26
Scolmatore	105.15	Tr200 (24h)	1403.37	0.47	9.35	6.07	9.52	0.00025	1.86	753.52	145.98	0.26
Scolmatore	105.15	Tr200 (36h)	1405.96	0.47	9.28	6.07	9.46	0.00026	1.89	743.51	145.68	0.27
Scolmatore	105.15	WS500	500	0.47	6.86	4.56	6.94	0.00023	1.24	403.71	135.18	0.23
Scolmatore	105.15	WS1000	1000	0.47	8.39	5.58	8.53	0.00024	1.62	616.26	141.84	0.25
Scolmatore	105.15	WS1400	1400	0.47	9.01	6.06	9.21	0.00031	1.99	704.61	144.52	0.29
Scolmatore	105.17		Bridge									
Scolmatore	105.2	Tr30 (24h)	1173.31	0.51	8.57	5.65	8.73	0.00026	1.77	663.32	143.44	0.26
Scolmatore	105.2	Tr30 (36h)	1137.63	0.51	8.64	5.61	8.78	0.00023	1.69	673.23	143.74	0.25
Scolmatore	105.2	Tr200 (24h)	1403.37	0.51	9.37	5.91	9.53	0.00023	1.8	779.59	146.91	0.25
Scolmatore	105.2	Tr200 (36h)	1405.96	0.51	9.3	5.92	9.47	0.00024	1.83	769.65	146.62	0.25
Scolmatore	105.2	WS500	500	0.51	6.87	4.47	6.94	0.00019	1.17	426.4	136.09	0.21
Scolmatore	105.2	WS1000	1000	0.51	8.41	5.44	8.54	0.00021	1.56	640.98	142.76	0.24
Scolmatore	105.2	WS1400	1400	0.51	9.04	5.91	9.22	0.00027	1.92	730.98	145.47	0.27

Scolmatore	105.3	Tr30 (24h)	1173.31	0.51	8.57	5.68	8.73	0.00027	1.8	651.31	140.93	0.27
Scolmatore	105.3	Tr30 (36h)	1137.63	0.51	8.63	5.64	8.79	0.00024	1.72	661.09	141.23	0.25
Scolmatore	105.3	Tr200 (24h)	1403.37	0.51	9.37	5.94	9.54	0.00023	1.83	765.51	144.33	0.25
Scolmatore	105.3	Tr200 (36h)	1405.96	0.51	9.3	5.95	9.47	0.00024	1.86	755.73	144.04	0.26
Scolmatore	105.3	WS500	500	0.51	6.87	4.51	6.94	0.0002	1.19	418.78	133.74	0.22
Scolmatore	105.3	WS1000	1000	0.51	8.41	5.46	8.54	0.00022	1.59	629.46	140.27	0.24
Scolmatore	105.3	WS1400	1400	0.51	9.03	5.94	9.23	0.00028	1.95	717.7	142.92	0.28
Scolmatore	106	Tr30 (24h)	1173.31	1.42	8.75	5.96	8.92	0.00028	1.8	651.62	145.77	0.27
Scolmatore	106	Tr30 (36h)	1137.63	1.42	8.8	5.92	8.96	0.00026	1.73	658.93	146.03	0.26
Scolmatore	106	Tr200 (24h)	1403.37	1.42	9.53	6.22	9.7	0.00025	1.83	766.73	151.41	0.26
Scolmatore	106	Tr200 (36h)	1405.96	1.42	9.47	6.22	9.64	0.00026	1.86	757.57	150.87	0.26
Scolmatore	106	WS500	500	1.42	7.01	4.94	7.09	0.00023	1.23	405.72	136.84	0.23
Scolmatore	106	WS1000	1000	1.42	8.56	5.75	8.69	0.00023	1.6	623.86	144.79	0.25
Scolmatore	106	WS1400	1400	1.42	9.23	6.22	9.42	0.00029	1.94	722.01	148.74	0.28
Scolmatore	107	Tr30 (24h)	1173.31	-0.67	8.96	4.99	9.06	0.00014	1.43	818.7	153.56	0.2
Scolmatore	107	Tr30 (36h)	1137.63	-0.67	8.99	4.91	9.09	0.00013	1.38	823.66	153.7	0.19
Scolmatore	107	Tr200 (24h)	1403.37	-0.67	9.72	5.39	9.83	0.00013	1.5	936.69	156.85	0.2
Scolmatore	107	Tr200 (36h)	1405.96	-0.67	9.66	5.39	9.78	0.00014	1.51	928.27	156.62	0.2
Scolmatore	107	WS500	500	-0.67	7.15	2.63	7.19	9.1E-05	0.91	548.04	145.73	0.15
Scolmatore	107	WS1000	1000	-0.67	8.73	4.48	8.81	0.00012	1.28	783.84	152.57	0.18
Scolmatore	107	WS1400	1400	-0.67	9.45	5.38	9.57	0.00015	1.56	895.1	155.7	0.21
Scolmatore	108	Tr30 (24h)	1173.31	1.47	8.98	6.33	9.15	0.00031	1.86	630.61	144.35	0.28
Scolmatore	108	Tr30 (36h)	1137.63	1.47	9.01	6.29	9.17	0.00028	1.79	635.01	144.48	0.27
Scolmatore	108	Tr200 (24h)	1403.37	1.47	9.73	6.59	9.92	0.00027	1.89	741.05	147.77	0.27
Scolmatore	108	Tr200 (36h)	1405.96	1.47	9.68	6.6	9.87	0.00028	1.92	733.23	147.53	0.27
Scolmatore	108	WS500	500	1.47	7.17	5.24	7.26	0.00029	1.33	376.73	136.16	0.25
Scolmatore	108	WS1000	1000	1.47	8.75	6.13	8.89	0.00027	1.67	597.46	143.3	0.26
Scolmatore	108	WS1400	1400	1.47	9.47	6.59	9.67	0.00031	1.99	702.41	146.58	0.29
Scolmatore	109	Tr30 (24h)	1173.31	1.69	9.13	6.57	9.31	0.00032	1.89	621.88	144.56	0.29
Scolmatore	109	Tr30 (36h)	1137.63	1.69	9.15	6.53	9.32	0.0003	1.82	624.48	144.64	0.28
Scolmatore	109	Tr200 (24h)	1403.37	1.69	9.87	6.83	10.05	0.00028	1.92	729.15	147.67	0.28
Scolmatore	109	Tr200 (36h)	1405.96	1.69	9.82	6.83	10.01	0.00029	1.95	722.08	147.47	0.28
Scolmatore	109	WS500	500	1.69	7.31	5.41	7.41	0.00032	1.37	366.11	136.87	0.27
Scolmatore	109	WS1000	1000	1.69	8.88	6.36	9.03	0.00029	1.71	585.61	143.49	0.27
Scolmatore	109	WS1400	1400	1.69	9.63	6.82	9.83	0.00033	2.02	694.04	146.66	0.3
Scolmatore	110	Tr30 (24h)	1173.31	1.72	9.25	6.32	9.4	0.00025	1.72	680.41	147.41	0.26
Scolmatore	110	Tr30 (36h)	1137.63	1.72	9.26	6.28	9.4	0.00023	1.67	681.75	147.45	0.25
Scolmatore	110	Tr200 (24h)	1403.37	1.72	9.97	6.58	10.13	0.00022	1.78	787.71	150.18	0.25
Scolmatore	110	Tr200 (36h)	1405.96	1.72	9.93	6.58	10.09	0.00023	1.8	781.08	150.01	0.25
Scolmatore	110	WS500	500	1.72	7.42	5.33	7.49	0.00021	1.2	417.03	139.62	0.22
Scolmatore	110	WS1000	1000	1.72	8.98	6.12	9.11	0.00022	1.56	641	146.39	0.24
Scolmatore	110	WS1400	1400	1.72	9.75	6.57	9.93	0.00025	1.86	754.52	149.33	0.26
Scolmatore	110.9	Tr30 (24h)	1173.31	1.71	9.25	6.33	9.4	0.00025	1.73	679.54	147.4	0.26
Scolmatore	110.9	Tr30 (36h)	1137.63	1.71	9.26	6.29	9.4	0.00023	1.67	680.88	147.43	0.25
Scolmatore	110.9	Tr200 (24h)	1403.37	1.71	9.97	6.58	10.13	0.00022	1.78	786.83	150.17	0.25
Scolmatore	110.9	Tr200 (36h)	1405.96	1.71	9.93	6.58	10.09	0.00023	1.8	780.2	150	0.25
Scolmatore	110.9	WS500	500	1.71	7.42	5.34	7.49	0.00021	1.2	416.2	139.6	0.22
Scolmatore	110.9	WS1000	1000	1.71	8.98	6.12	9.11	0.00022	1.56	640.13	146.37	0.24
Scolmatore	110.9	WS1400	1400	1.71	9.75	6.58	9.93	0.00026	1.86	753.64	149.32	0.26
Scolmatore	111		Bridge									
Scolmatore	111.1	Tr30 (24h)	1173.31	1.81	9.34	6.42	9.49	0.00025	1.73	676.89	146.59	0.26
Scolmatore	111.1	Tr30 (36h)	1137.63	1.81	9.35	6.39	9.49	0.00023	1.68	678.18	146.63	0.25
Scolmatore	111.1	Tr200 (24h)	1403.37	1.81	10.06	6.68	10.22	0.00023	1.79	783.85	149.36	0.25
Scolmatore	111.1	Tr200 (36h)	1405.96	1.81	10.02	6.68	10.18	0.00023	1.81	777.21	149.19	0.25

Scolmatore	111.1	WS500	500	1.81	7.5	5.39	7.57	0.00022	1.21	413.73	139.36	0.22
Scolmatore	111.1	WS1000	1000	1.81	9.07	6.22	9.19	0.00022	1.57	637.54	145.56	0.24
Scolmatore	111.1	WS1400	1400	1.81	9.84	6.68	10.01	0.00026	1.86	750.73	148.51	0.26
Scolmatore	112	Tr30 (24h)	1173.31	1.83	9.34	6.43	9.49	0.00025	1.74	676.1	146.55	0.26
Scolmatore	112	Tr30 (36h)	1137.63	1.83	9.35	6.39	9.49	0.00023	1.68	677.39	146.59	0.25
Scolmatore	112	Tr200 (24h)	1403.37	1.83	10.06	6.68	10.22	0.00023	1.79	783.04	149.33	0.25
Scolmatore	112	Tr200 (36h)	1405.96	1.83	10.02	6.69	10.18	0.00023	1.81	776.4	149.16	0.25
Scolmatore	112	WS500	500	1.83	7.5	5.39	7.57	0.00022	1.21	413.04	139.31	0.22
Scolmatore	112	WS1000	1000	1.83	9.07	6.23	9.19	0.00022	1.57	636.77	145.52	0.24
Scolmatore	112	WS1400	1400	1.83	9.84	6.68	10.02	0.00026	1.87	749.93	148.48	0.27
Scolmatore	113	Tr30 (24h)	1173.31	1.51	9.48	6.82	9.66	0.00031	1.88	625.51	142.31	0.29
Scolmatore	113	Tr30 (36h)	1137.63	1.51	9.48	6.78	9.65	0.00029	1.82	625.4	142.3	0.28
Scolmatore	113	Tr200 (24h)	1403.37	1.51	10.19	7.08	10.38	0.00028	1.93	727.15	145.63	0.28
Scolmatore	113	Tr200 (36h)	1405.96	1.51	10.15	7.08	10.34	0.00029	1.95	721.29	145.44	0.28
Scolmatore	113	WS500	500	1.51	7.63	5.85	7.73	0.0003	1.35	370.32	133.6	0.26
Scolmatore	113	WS1000	1000	1.51	9.2	6.61	9.35	0.00028	1.71	584.98	140.96	0.27
Scolmatore	113	WS1400	1400	1.51	9.99	7.08	10.19	0.00032	2.01	697.62	144.67	0.29
Scolmatore	114	Tr30 (24h)	1173.31	1.48	9.63	6.82	9.79	0.00028	1.8	653.6	144.93	0.27
Scolmatore	114	Tr30 (36h)	1137.63	1.48	9.62	6.78	9.77	0.00026	1.74	652.22	144.89	0.26
Scolmatore	114	Tr200 (24h)	1403.37	1.48	10.32	7.08	10.49	0.00025	1.86	754.93	147.83	0.26
Scolmatore	114	Tr200 (36h)	1405.96	1.48	10.28	7.09	10.46	0.00026	1.88	749.54	147.68	0.27
Scolmatore	114	WS500	500	1.48	7.76	5.67	7.85	0.00026	1.28	391.18	136.63	0.24
Scolmatore	114	WS1000	1000	1.48	9.32	6.62	9.46	0.00025	1.64	609.98	143.63	0.25
Scolmatore	114	WS1400	1400	1.48	10.13	7.08	10.32	0.00028	1.92	727.49	147.05	0.28
Scolmatore	115	Tr30 (24h)	1173.31	1.9	9.76	7.09	9.97	0.00034	1.99	588.57	130.26	0.3
Scolmatore	115	Tr30 (36h)	1137.63	1.9	9.75	7.05	9.94	0.00033	1.94	586.37	130.19	0.29
Scolmatore	115	Tr200 (24h)	1403.37	1.9	10.44	7.37	10.66	0.00032	2.07	677.54	133.11	0.29
Scolmatore	115	Tr200 (36h)	1405.96	1.9	10.41	7.37	10.63	0.00032	2.09	673.15	132.97	0.3
Scolmatore	115	WS500	500	1.9	7.9	6.04	8	0.00031	1.42	353.08	122.45	0.27
Scolmatore	115	WS1000	1000	1.9	9.45	6.87	9.62	0.00031	1.83	547.88	128.94	0.28
Scolmatore	115	WS1400	1400	1.9	10.27	7.37	10.5	0.00035	2.14	654.91	132.39	0.31
Scolmatore	116	Tr30 (24h)	1173.31	2.31	9.77	7.4	9.99	0.0004	2.04	573.92	137.09	0.32
Scolmatore	116	Tr30 (36h)	1137.63	2.31	9.76	7.36	9.96	0.00038	1.99	571.52	137.01	0.31
Scolmatore	116	Tr200 (24h)	1403.37	2.31	10.45	7.67	10.68	0.00035	2.1	667.76	140.19	0.31
Scolmatore	116	Tr200 (36h)	1405.96	2.31	10.42	7.67	10.65	0.00036	2.12	663.17	140.04	0.31
Scolmatore	116	WS500	500	2.31	7.9	6.48	8.03	0.00044	1.54	325.17	129.1	0.31
Scolmatore	116	WS1000	1000	2.31	9.46	7.19	9.64	0.00037	1.88	530.84	135.72	0.3
Scolmatore	116	WS1400	1400	2.31	10.28	7.67	10.52	0.00039	2.17	644.03	139.42	0.32
Scolmatore	117	Tr30 (24h)	1173.31	2.03	9.84	7.2	10.03	0.00034	1.95	601.33	135.5	0.3
Scolmatore	117	Tr30 (36h)	1137.63	2.03	9.82	7.16	10	0.00032	1.9	598.51	135.4	0.29
Scolmatore	117	Tr200 (24h)	1403.37	2.03	10.51	7.47	10.72	0.00031	2.02	693.16	138.74	0.29
Scolmatore	117	Tr200 (36h)	1405.96	2.03	10.48	7.48	10.69	0.00032	2.04	688.83	138.59	0.29
Scolmatore	117	WS500	500	2.03	7.97	6.27	8.07	0.00032	1.4	356.03	127.52	0.27
Scolmatore	117	WS1000	1000	2.03	9.52	6.99	9.68	0.00031	1.79	558.06	133.94	0.28
Scolmatore	117	WS1400	1400	2.03	10.35	7.47	10.57	0.00034	2.09	670.65	137.95	0.3
Scolmatore	118	Tr30 (24h)	1173.31	1.76	9.95	7.26	10.14	0.00032	1.93	609.15	135.79	0.29
Scolmatore	118	Tr30 (36h)	1137.63	1.76	9.92	7.21	10.1	0.00031	1.88	605.58	135.67	0.28
Scolmatore	118	Tr200 (24h)	1403.37	1.76	10.61	7.53	10.82	0.0003	2	700.47	139.96	0.29
Scolmatore	118	Tr200 (36h)	1405.96	1.76	10.58	7.53	10.79	0.00031	2.02	696.44	139.83	0.29
Scolmatore	118	WS500	500	1.76	8.08	6.32	8.17	0.0003	1.38	362.39	127.74	0.26
Scolmatore	118	WS1000	1000	1.76	9.62	7.04	9.78	0.0003	1.77	564.44	134.19	0.28
Scolmatore	118	WS1400	1400	1.76	10.46	7.52	10.68	0.00033	2.06	679.3	139.28	0.3
Scolmatore	119	Tr30 (24h)	1173.31	2.22	10.04	7.09	10.2	0.00025	1.73	677.32	145.49	0.26
Scolmatore	119	Tr30 (36h)	1137.63	2.22	10.01	7.05	10.16	0.00024	1.69	672.86	145.36	0.25
Scolmatore	119	Tr200 (24h)	1403.37	2.22	10.7	7.35	10.87	0.00024	1.81	774.11	148.13	0.25

Scolmatore	119	Tr200 (36h)	1405.96	2.22	10.68	7.35	10.85	0.00024	1.83	770.13	148.02	0.26
Scolmatore	119	WS500	500	2.22	8.15	6.13	8.22	0.00023	1.22	408.73	137.89	0.23
Scolmatore	119	WS1000	1000	2.22	9.7	6.89	9.83	0.00023	1.59	627.88	144.12	0.24
Scolmatore	119	WS1400	1400	2.22	10.56	7.35	10.73	0.00026	1.86	752.87	147.55	0.26
Scolmatore	120	Tr30 (24h)	1173.31	2.21	10.1	7.06	10.24	0.00023	1.67	703.03	150.28	0.25
Scolmatore	120	Tr30 (36h)	1137.63	2.21	10.07	7.02	10.2	0.00022	1.63	698.05	150.08	0.24
Scolmatore	120	Tr200 (24h)	1403.37	2.21	10.76	7.31	10.91	0.00022	1.75	802.6	152.62	0.24
Scolmatore	120	Tr200 (36h)	1405.96	2.21	10.73	7.32	10.89	0.00022	1.76	798.66	152.53	0.25
Scolmatore	120	WS500	500	2.21	8.19	5.76	8.26	0.0002	1.17	425.76	141.72	0.22
Scolmatore	120	WS1000	1000	2.21	9.75	6.84	9.87	0.00021	1.54	651.37	147.79	0.23
Scolmatore	120	WS1400	1400	2.21	10.62	7.31	10.78	0.00023	1.79	781.4	152.12	0.25
Scolmatore	121	Tr30 (24h)	1173.31	2.55	10.11	6.37	10.28	0.00024	1.82	644.29	124.6	0.26
Scolmatore	121	Tr30 (36h)	1137.63	2.55	10.08	6.32	10.24	0.00023	1.78	640.13	124.32	0.25
Scolmatore	121	Tr200 (24h)	1403.37	2.55	10.76	6.72	10.95	0.00024	1.93	727.32	130.05	0.26
Scolmatore	121	Tr200 (36h)	1405.96	2.55	10.74	6.72	10.93	0.00024	1.94	724.01	129.9	0.26
Scolmatore	121	WS500	500	2.55	8.22	5.07	8.29	0.00015	1.18	423.06	109.04	0.19
Scolmatore	121	WS1000	1000	2.55	9.77	6.08	9.91	0.00021	1.66	601.72	121.66	0.24
Scolmatore	121	WS1400	1400	2.55	10.63	6.71	10.83	0.00026	1.97	709.53	128.98	0.27
Scolmatore	121.9	Tr30 (24h)	1173.31	2.54	10.11	6.36	10.28	0.00023	1.82	645.59	124.77	0.26
Scolmatore	121.9	Tr30 (36h)	1137.63	2.54	10.08	6.31	10.24	0.00022	1.77	641.42	124.49	0.25
Scolmatore	121.9	Tr200 (24h)	1403.37	2.54	10.77	6.71	10.95	0.00024	1.93	728.72	130.17	0.26
Scolmatore	121.9	Tr200 (36h)	1405.96	2.54	10.74	6.71	10.93	0.00024	1.94	725.4	130.03	0.26
Scolmatore	121.9	WS500	500	2.54	8.22	5.06	8.29	0.00014	1.18	423.91	109.15	0.19
Scolmatore	121.9	WS1000	1000	2.54	9.77	6.07	9.91	0.00021	1.66	602.93	121.86	0.24
Scolmatore	121.9	WS1400	1400	2.54	10.63	6.7	10.83	0.00025	1.97	710.91	129.09	0.27
Scolmatore	122		Bridge									
Scolmatore	122.1	Tr30 (24h)	1173.31	2.51	10.17	6.15	10.31	0.00019	1.63	718.66	136.7	0.23
Scolmatore	122.1	Tr30 (36h)	1137.63	2.51	10.14	6.09	10.27	0.00018	1.59	713.67	136.4	0.22
Scolmatore	122.1	Tr200 (24h)	1403.37	2.51	11.01	6.49	11.16	0.00017	1.68	835.73	143.6	0.22
Scolmatore	122.1	Tr200 (36h)	1405.96	2.51	10.98	6.49	11.13	0.00017	1.69	832.01	143.38	0.22
Scolmatore	122.1	WS500	500	2.51	8.24	4.89	8.3	0.00012	1.06	470.19	120	0.17
Scolmatore	122.1	WS1000	1000	2.51	9.82	5.87	9.93	0.00016	1.49	670.46	133.76	0.21
Scolmatore	122.1	WS1400	1400	2.51	10.82	6.48	10.97	0.00019	1.73	808.24	142.01	0.23
Scolmatore	123	Tr30 (24h)	1173.31	2.56	10.22	5.92	10.32	0.00013	1.35	869.12	168.28	0.19
Scolmatore	123	Tr30 (36h)	1137.63	2.56	10.18	5.87	10.27	0.00012	1.32	862.59	167.96	0.19
Scolmatore	123	Tr200 (24h)	1403.37	2.56	11.06	6.23	11.16	0.00012	1.39	1012.01	172.23	0.18
Scolmatore	123	Tr200 (36h)	1405.96	2.56	11.04	6.23	11.14	0.00012	1.4	1007.67	172.13	0.18
Scolmatore	123	WS500	500	2.56	8.26	4.78	8.3	8.6E-05	0.9	556.98	147.29	0.15
Scolmatore	123	WS1000	1000	2.56	9.86	5.66	9.94	0.00012	1.24	808.28	165.32	0.18
Scolmatore	123	WS1400	1400	2.56	10.87	6.23	10.98	0.00013	1.43	979.53	171.46	0.19
Scolmatore	124	Tr30 (24h)	1173.31	2.49	10.21	6.3	10.36	0.00021	1.68	698.36	138.41	0.24
Scolmatore	124	Tr30 (36h)	1137.63	2.49	10.18	6.24	10.31	0.0002	1.64	693.07	138	0.23
Scolmatore	124	Tr200 (24h)	1403.37	2.49	11.05	6.64	11.2	0.00019	1.72	818.15	148.98	0.23
Scolmatore	124	Tr200 (36h)	1405.96	2.49	11.02	6.64	11.18	0.0002	1.73	814.38	148.75	0.24
Scolmatore	124	WS500	500	2.49	8.26	4.99	8.33	0.00013	1.11	448.79	117.56	0.18
Scolmatore	124	WS1000	1000	2.49	9.85	6.01	9.97	0.00018	1.54	648.97	134.54	0.22
Scolmatore	124	WS1400	1400	2.49	10.86	6.63	11.02	0.00021	1.77	790.13	146.83	0.24
Scolmatore	125	Tr30 (24h)	1173.31	2.56	10.25	6.2	10.39	0.00018	1.62	722.52	136.93	0.23
Scolmatore	125	Tr30 (36h)	1137.63	2.56	10.21	6.14	10.34	0.00018	1.59	717.07	136.61	0.22
Scolmatore	125	Tr200 (24h)	1403.37	2.56	11.08	6.54	11.23	0.00017	1.67	839.15	143.69	0.22
Scolmatore	125	Tr200 (36h)	1405.96	2.56	11.06	6.54	11.2	0.00017	1.68	835.61	143.59	0.22
Scolmatore	125	WS500	500	2.56	8.29	4.94	8.35	0.00012	1.06	469.59	119.95	0.17
Scolmatore	125	WS1000	1000	2.56	9.89	5.92	10	0.00016	1.49	672.94	133.91	0.21
Scolmatore	125	WS1400	1400	2.56	10.9	6.53	11.05	0.00019	1.72	812.63	142.26	0.23

Scolmatore	125.9	Tr30 (24h)	1173.31	2.56	10.25	6.25	10.39	0.00019	1.66	708.54	134.67	0.23
Scolmatore	125.9	Tr30 (36h)	1137.63	2.56	10.21	6.19	10.34	0.00018	1.62	703.2	134.35	0.23
Scolmatore	125.9	Tr200 (24h)	1403.37	2.56	11.08	6.59	11.23	0.00018	1.7	823.2	141.09	0.23
Scolmatore	125.9	Tr200 (36h)	1405.96	2.56	11.06	6.59	11.21	0.00018	1.72	819.71	141.07	0.23
Scolmatore	125.9	WS500	500	2.56	8.29	4.98	8.35	0.00012	1.09	459.97	117.98	0.18
Scolmatore	125.9	WS1000	1000	2.56	9.88	5.96	10	0.00017	1.52	659.85	131.72	0.22
Scolmatore	125.9	WS1400	1400	2.56	10.89	6.58	11.05	0.00019	1.76	797.09	139.88	0.23
Scolmatore	126	Bridge										
Scolmatore	126.1	Tr30 (24h)	1173.31	2.58	10.27	6.26	10.4	0.00018	1.62	722.89	135.77	0.22
Scolmatore	126.1	Tr30 (36h)	1137.63	2.58	10.23	6.21	10.36	0.00017	1.59	717.38	135.63	0.22
Scolmatore	126.1	Tr200 (24h)	1403.37	2.58	11.22	6.6	11.36	0.00016	1.64	853.63	138.88	0.21
Scolmatore	126.1	Tr200 (36h)	1405.96	2.58	11.2	6.61	11.34	0.00016	1.65	850.11	138.8	0.21
Scolmatore	126.1	WS500	500	2.58	8.3	5.01	8.36	0.00012	1.07	465.21	122.6	0.18
Scolmatore	126.1	WS1000	1000	2.58	9.9	5.98	10.01	0.00016	1.49	673.09	134.56	0.21
Scolmatore	126.1	WS1400	1400	2.58	10.92	6.6	11.07	0.00018	1.73	811.38	137.88	0.23
Scolmatore	127	Tr30 (24h)	1173.31	2.57	10.27	6.26	10.4	0.00018	1.63	720.41	135.24	0.23
Scolmatore	127	Tr30 (36h)	1137.63	2.57	10.23	6.2	10.36	0.00018	1.59	714.93	135.11	0.22
Scolmatore	127	Tr200 (24h)	1403.37	2.57	11.22	6.6	11.36	0.00016	1.65	850.64	138.37	0.21
Scolmatore	127	Tr200 (36h)	1405.96	2.57	11.2	6.61	11.34	0.00016	1.66	847.13	138.28	0.21
Scolmatore	127	WS500	500	2.57	8.3	5	8.36	0.00012	1.08	464.06	121.82	0.18
Scolmatore	127	WS1000	1000	2.57	9.9	5.97	10.01	0.00017	1.49	670.82	134.03	0.21
Scolmatore	127	WS1400	1400	2.57	10.92	6.6	11.07	0.00018	1.73	808.55	137.36	0.23
Scolmatore	128	Tr30 (24h)	1173.31	1.99	10.27	6.45	10.42	0.00021	1.71	685.42	135.14	0.24
Scolmatore	128	Tr30 (36h)	1137.63	1.99	10.23	6.4	10.38	0.00021	1.67	679.92	134.78	0.24
Scolmatore	128	Tr200 (24h)	1403.37	1.99	11.23	6.79	11.38	0.00018	1.72	818.07	143.59	0.23
Scolmatore	128	Tr200 (36h)	1405.96	1.99	11.2	6.8	11.35	0.00019	1.73	814.44	143.37	0.23
Scolmatore	128	WS500	500	1.99	8.31	5.17	8.38	0.00014	1.14	437.37	116.81	0.19
Scolmatore	128	WS1000	1000	1.99	9.9	6.17	10.03	0.00019	1.57	636.19	131.87	0.23
Scolmatore	128	WS1400	1400	1.99	10.92	6.79	11.09	0.00021	1.81	774.71	140.88	0.25
Scolmatore	129	Tr30 (24h)	1173.31	2.35	10.26	5.74	10.45	0.0002	1.91	614.5	92.85	0.24
Scolmatore	129	Tr30 (36h)	1137.63	2.35	10.22	5.68	10.4	0.00019	1.86	610.82	92.74	0.23
Scolmatore	129	Tr200 (24h)	1403.37	2.35	11.2	6.1	11.41	0.00019	2	702.85	95.01	0.23
Scolmatore	129	Tr200 (36h)	1405.96	2.35	11.18	6.11	11.38	0.00019	2.01	700.45	94.99	0.24
Scolmatore	129	WS500	500	2.35	8.32	4.47	8.38	9.8E-05	1.14	439.38	87.27	0.16
Scolmatore	129	WS1000	1000	2.35	9.9	5.44	10.05	0.00017	1.72	581.02	91.81	0.22
Scolmatore	129	WS1400	1400	2.35	10.9	6.1	11.12	0.00021	2.08	674.12	94.68	0.25
Scolmatore	130	Tr30 (24h)	1173.31	2.61	10.27	6.14	10.5	0.00026	2.13	550.84	80.64	0.26
Scolmatore	130	Tr30 (36h)	1137.63	2.61	10.23	6.08	10.45	0.00025	2.08	547.65	80.62	0.25
Scolmatore	130	Tr200 (24h)	1403.37	2.61	11.2	6.5	11.45	0.00025	2.24	626.23	81.12	0.26
Scolmatore	130	Tr200 (36h)	1405.96	2.61	11.17	6.5	11.43	0.00025	2.25	624.19	81.11	0.26
Scolmatore	130	WS500	500	2.61	8.33	4.9	8.41	0.00013	1.26	395.35	79.63	0.18
Scolmatore	130	WS1000	1000	2.61	9.9	5.85	10.09	0.00022	1.92	521.77	80.45	0.24
Scolmatore	130	WS1400	1400	2.61	10.9	6.49	11.17	0.00028	2.33	601.84	80.97	0.27
Scolmatore	131	Tr30 (24h)	1173.31	2.57	10.29	6.31	10.54	0.00029	2.23	526.42	78.15	0.27
Scolmatore	131	Tr30 (36h)	1137.63	2.57	10.25	6.26	10.49	0.00028	2.17	523.25	78.12	0.27
Scolmatore	131	Tr200 (24h)	1403.37	2.57	11.22	6.68	11.5	0.00028	2.34	599.26	78.64	0.27
Scolmatore	131	Tr200 (36h)	1405.96	2.57	11.19	6.69	11.47	0.00028	2.35	597.31	78.63	0.27
Scolmatore	131	WS500	500	2.57	8.34	5.05	8.43	0.00015	1.33	375.09	77.1	0.19
Scolmatore	131	WS1000	1000	2.57	9.92	6.02	10.13	0.00025	2.01	498.04	77.95	0.25
Scolmatore	131	WS1400	1400	2.57	10.92	6.68	11.22	0.00031	2.43	575.88	78.48	0.29
Scolmatore	131.1	Tr30 (24h)	1173.31	2.74	10.29	5.83	10.55	0.00028	2.25	520.75	69	0.26
Scolmatore	131.1	Tr30 (36h)	1137.63	2.74	10.25	5.77	10.49	0.00027	2.2	517.98	69	0.26
Scolmatore	131.1	Tr200 (24h)	1403.37	2.74	11.21	6.22	11.5	0.00028	2.4	584.44	69	0.26
Scolmatore	131.1	Tr200 (36h)	1405.96	2.74	11.19	6.22	11.48	0.00028	2.41	582.73	69	0.27
Scolmatore	131.1	WS500	500	2.74	8.35	4.49	8.43	0.00013	1.29	386.82	69	0.17

Scolmatore	131.1	WS1000	1000	2.74	9.93	5.52	10.13	0.00024	2.02	495.81	69	0.24
Scolmatore	131.1	WS1400	1400	2.74	10.91	6.21	11.23	0.00031	2.48	564	69	0.28

**BRIDGES**

Reach	River Sta	Profile	E.G. US. (m)	Min El Prs (m)	BR Open Area (m <sup>2</sup> )	Prs O WS (m)	Q Total (m <sup>3</sup> /s)	Min El Weir Flow (m)	Q Weir (m <sup>3</sup> /s)	Delta EG (m)
Scolmatore	4.05	Tr30 (24h)	4.2	3.46	495.54		1480.4	3.63	199.64	0.27
Scolmatore	4.05	Tr30 (36h)	4.25	3.46	495.54		1512.03	3.63	222.22	0.27
Scolmatore	4.05	Tr200 (24h)	5.17	3.46	495.54		2145.22	3.63	573.58	0.46
Scolmatore	4.05	Tr200 (36h)	5.03	3.46	495.54		2037.78	3.63	504.69	0.43
Scolmatore	4.05	WS500	2.15	3.46	495.54		500	3.63		0.01
Scolmatore	4.05	WS1000	3.2	3.46	495.54		1000	3.63		0.02
Scolmatore	4.05	WS1400	4.06	3.46	495.54		1400	3.63	121.32	0.24
Scolmatore	17	Tr30 (24h)	4.54	4.47	629.92		1235.04	3.81		0.01
Scolmatore	17	Tr30 (36h)	4.56	4.47	629.92		1277.2	3.81		0.01
Scolmatore	17	Tr200 (24h)	5.49	4.47	629.92		1847.28	3.81		0.01
Scolmatore	17	Tr200 (36h)	5.35	4.47	629.92		1757.36	3.81		0.01
Scolmatore	17	WS500	2.64	4.47	629.92		500	3.81		0.01
Scolmatore	17	WS1000	3.77	4.47	629.92		1000	3.81		0.03
Scolmatore	17	WS1400	4.52	4.47	629.92	4.76	1400	3.81		0.06
Scolmatore	32	Tr30 (24h)	5.34	4.09	532.68		1194.85	4.18	98.19	0.26
Scolmatore	32	Tr30 (36h)	5.41	4.09	532.68		1240.85	4.18	106.1	0.28
Scolmatore	32	Tr200 (24h)	6.41	4.09	532.68		1782.18	4.18	387.82	0.43
Scolmatore	32	Tr200 (36h)	6.26	4.09	532.68		1700.94	4.18	317.18	0.43
Scolmatore	32	WS500	3.37	4.09	532.68		500	4.18		0.01
Scolmatore	32	WS1000	4.61	4.09	532.68		1000	4.18	65.02	0.17
Scolmatore	32	WS1400	5.59	4.09	532.68		1400	4.18	130.52	0.35
Scolmatore	37	Tr30 (24h)	5.43	6.32	1192.27		1194.85	3.63	81.11	0.01
Scolmatore	37	Tr30 (36h)	5.5	6.32	1192.27		1240.85	3.63	85.67	0.01
Scolmatore	37	Tr200 (24h)	6.51	6.32	1192.27		1782.18	3.63		0.01
Scolmatore	37	Tr200 (36h)	6.36	6.32	1192.27	6.32	1700.94	3.63	130.81	0.01
Scolmatore	37	WS500	3.64	6.32	1192.27		500	3.63		0.02
Scolmatore	37	WS1000	4.72	6.32	1192.27		1000	3.63	69.87	0.01
Scolmatore	37	WS1400	5.69	6.32	1192.27		1400	3.63	101.62	0.01
Scolmatore	56.17	Tr30 (24h)	5.69	6.09	801.31		1176.57	4.56	125.62	0.02
Scolmatore	56.17	Tr30 (36h)	5.76	6.09	801.31		1155.97	4.56	122.3	0.01
Scolmatore	56.17	Tr200 (24h)	6.8	6.09	801.31		1563.22	4.56		0.02
Scolmatore	56.17	Tr200 (36h)	6.65	6.09	801.31		1535.02	4.56		0.02
Scolmatore	56.17	WS500	4.14	6.09	801.31		500	4.56		0
Scolmatore	56.17	WS1000	5.14	6.09	801.31		1000	4.56	99.88	0.01
Scolmatore	56.17	WS1400	5.99	6.09	801.31		1400	4.56	154.66	0.02
Scolmatore	61	Tr30 (24h)	5.98	6.03	636.51		1176.57	5.88	0.11	0.04
Scolmatore	61	Tr30 (36h)	6.02	6.03	636.51	6.03	1155.97	5.88	129.19	0.03
Scolmatore	61	Tr200 (24h)	7.12	6.03	636.51		1563.22	5.88	494.24	0.13
Scolmatore	61	Tr200 (36h)	6.98	6.03	636.51		1535.02	5.88	450.92	0.13
Scolmatore	61	WS500	4.31	6.03	636.51		500	5.88		0.01
Scolmatore	61	WS1000	5.41	6.03	636.51		1000	5.88		0.02
Scolmatore	61	WS1400	6.37	6.03	636.51		1400	5.88	302.79	0.13
Scolmatore	66	Tr30 (24h)	6.33	7.05	720.27		1176.57	8.3		0.08
Scolmatore	66	Tr30 (36h)	6.35	7.05	720.27		1155.97	8.3		0.08
Scolmatore	66	Tr200 (24h)	7.63	7.05	720.27	7.53	1563.22	8.3		0.27
Scolmatore	66	Tr200 (36h)	7.49	7.05	720.27	7.39	1535.02	8.3		0.26
Scolmatore	66	WS500	4.54	7.05	720.27		500	8.3		0.04
Scolmatore	66	WS1000	5.77	7.05	720.27		1000	8.3		0.07
Scolmatore	66	WS1400	6.78	7.05	720.27		1400	8.3		0.09
Scolmatore	70	Tr30 (24h)	6.5	7.88	661.81		1176.57	8.19		0.03

Scolmatore	70	Tr30 (36h)	6.51	7.88	661.81		1155.97	8.19	0.03
Scolmatore	70	Tr200 (24h)	7.81	7.88	661.81		1563.22	8.19	0.06
Scolmatore	70	Tr200 (36h)	7.68	7.88	661.81		1535.02	8.19	0.06
Scolmatore	70	WS500	4.64	7.88	661.81		500	8.19	0.01
Scolmatore	70	WS1000	5.94	7.88	661.81		1000	8.19	0.02
Scolmatore	70	WS1400	6.98	7.88	661.81		1400	8.19	0.04
Scolmatore	81	Tr30 (24h)	7.24	8.38	700.81		1173.31	9.49	0.15
Scolmatore	81	Tr30 (36h)	7.22	8.38	700.81		1138.19	9.49	0.15
Scolmatore	81	Tr200 (24h)	8.21	8.38	700.81		1464.05	9.49	0.04
Scolmatore	81	Tr200 (36h)	8.09	8.38	700.81		1459.79	9.49	0.04
Scolmatore	81	WS500	5.24	8.38	700.81		500	9.49	0.16
Scolmatore	81	WS1000	6.7	8.38	700.81		1000	9.49	0.15
Scolmatore	81	WS1400	7.55	8.38	700.81		1400	9.49	0.03
Scolmatore	90	Tr30 (24h)	7.87	8.92	568.01		1173.31	10.56	0.05
Scolmatore	90	Tr30 (36h)	7.83	8.92	568.01		1137.63	10.56	0.05
Scolmatore	90	Tr200 (24h)	8.8	8.92	568.01		1403.37	10.56	0.07
Scolmatore	90	Tr200 (36h)	8.71	8.92	568.01		1405.96	10.56	0.07
Scolmatore	90	WS500	6.1	8.92	568.01		500	10.56	0.39
Scolmatore	90	WS1000	7.68	8.92	568.01		1000	10.56	0.39
Scolmatore	90	WS1400	8.31	8.92	568.01		1400	10.56	0.07
Scolmatore	102	Tr30 (24h)	8.64	10.1	634.5		1173.31	9.76	0.03
Scolmatore	102	Tr30 (36h)	8.7	10.1	634.5		1137.63	9.76	0.16
Scolmatore	102	Tr200 (24h)	9.45	10.1	634.5		1403.37	9.76	0.04
Scolmatore	102	Tr200 (36h)	9.39	10.1	634.5		1405.96	9.76	0.04
Scolmatore	102	WS500	6.88	10.1	634.5		500	9.76	0.17
Scolmatore	102	WS1000	8.46	10.1	634.5		1000	9.76	0.16
Scolmatore	102	WS1400	9.13	10.1	634.5		1400	9.76	0.04
Scolmatore	105.17	Tr30 (24h)	8.73	11.87	1195.32		1173.31	15.27	0.01
Scolmatore	105.17	Tr30 (36h)	8.78	11.87	1195.32		1137.63	15.27	0.01
Scolmatore	105.17	Tr200 (24h)	9.53	11.87	1195.32		1403.37	15.27	0.01
Scolmatore	105.17	Tr200 (36h)	9.47	11.87	1195.32		1405.96	15.27	0.01
Scolmatore	105.17	WS500	6.94	11.87	1195.32		500	15.27	0.01
Scolmatore	105.17	WS1000	8.54	11.87	1195.32		1000	15.27	0.01
Scolmatore	105.17	WS1400	9.22	11.87	1195.32		1400	15.27	0.01
Scolmatore	111	Tr30 (24h)	9.49	10.09	708.29		1173.31	11.5	0.09
Scolmatore	111	Tr30 (36h)	9.49	10.09	708.29		1137.63	11.5	0.09
Scolmatore	111	Tr200 (24h)	10.22	10.09	708.29	10.09	1403.37	11.5	0.09
Scolmatore	111	Tr200 (36h)	10.18	10.09	708.29	10.09	1405.96	11.5	0.09
Scolmatore	111	WS500	7.57	10.09	708.29		500	11.5	0.08
Scolmatore	111	WS1000	9.19	10.09	708.29		1000	11.5	0.09
Scolmatore	111	WS1400	10.01	10.09	708.29		1400	11.5	0.09
Scolmatore	122	Tr30 (24h)	10.31	10.72	633.22		1173.31	11.73	0.03
Scolmatore	122	Tr30 (36h)	10.27	10.72	633.22		1137.63	11.73	0.03
Scolmatore	122	Tr200 (24h)	11.16	10.72	633.22	11.01	1403.37	11.73	0.2
Scolmatore	122	Tr200 (36h)	11.13	10.72	633.22	10.98	1405.96	11.73	0.2
Scolmatore	122	WS500	8.3	10.72	633.22		500	11.73	0.01
Scolmatore	122	WS1000	9.93	10.72	633.22		1000	11.73	0.02
Scolmatore	122	WS1400	10.97	10.72	633.22	10.82	1400	11.73	0.14
Scolmatore	126	Tr30 (24h)	10.4	11.02	748.5		1173.31	13.12	0.01
Scolmatore	126	Tr30 (36h)	10.36	11.02	748.5		1137.63	13.12	0.01
Scolmatore	126	Tr200 (24h)	11.36	11.02	748.5	11.22	1403.37	13.12	0.13
Scolmatore	126	Tr200 (36h)	11.34	11.02	748.5	11.2	1405.96	13.12	0.13
Scolmatore	126	WS500	8.36	11.02	748.5		500	13.12	0.02
Scolmatore	126	WS1000	10.01	11.02	748.5		1000	13.12	0.01
Scolmatore	126	WS1400	11.07	11.02	748.5	11.03	1400	13.12	0.01