

Nuova S.S.125/133bis "Olbia-Palau"
Tratta Arzachena Nord – Palau,
Stralcio 2 da Arzachena Sud allo svincolo di Arzachena Nord e stralcio 3 dal km 351 dell'attuale S.S.125 – 1° stralcio, fino a Palau.

PROGETTO DEFINITIVO

COD. CA366

PROGETTAZIONE: ATI VIA - SERING - VDP - BRENG

PROGETTISTA E RESPONSABILE DELL'INTEGRAZIONE DELLE PRESTAZIONI SPECIALISTICHE:

Dott. Ing. Giovanni Piazza (Ord. Ing. Prov. Roma 27296)

RESPONSABILI D'AREA:

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Responsabile Strutture: *Dott. Ing. Giovanni Piazza (Ord. Ing. Prov. Roma 27296)*

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Dott. Ing. Francesco Ruggieri

GRUPPO DI PROGETTAZIONE

MANDATARIA:

MANDANTI:




IDROLOGIA E IDRAULICA

Relazione di compatibilità idraulica

CODICE PROGETTO		NOME FILE		REVISIONE	SCALA:
PROGETTO	LIV. PROG. ANNO	CA366_T00ID00IDRRE04_A			
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D					
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A	EMISSIONE		A. CECCOTTI	M.A. CUCCARO	G.PIAZZA
REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO

INDICE

1	PREMESSE	2
2	ANALISI DI COMPATIBILITA' IDRAULICA	3
2.1	Idraulica fluviale e Compatibilità idraulica delle interferenze	3
2.2	Riferimenti normativi.....	3
2.2.1	<i>Prescrizioni normative del Ministero dei Lavori Pubblici</i>	3
2.2.2	<i>Prescrizioni normative ABPO</i>	4
2.2.3	<i>Prescrizioni normative dell'Autorità di Bacino della Regione Sardegna</i>	7
2.3	Attraversamenti corsi d'acqua maggiori: ponti	11
2.3.1	<i>Riu Patruali</i>	11
2.3.2	<i>Fiume_91055</i>	12
2.3.3	<i>Fiume_110474</i>	12
2.3.4	<i>Fiume_99445</i>	12
2.4	Attraversamenti minori: i tombini idraulici.....	12
	ALLEGATO A SIMULAZIONI ANTE OPERAM	14
	ALLEGATO B SIMULAZIONI POST OPERAM	15

S.S. 125 Nuova S.S. 125/133bis "Olbia-Palau"		
Tratta Arzachena Nord - Palau, Stralcio 2 da Arzachena Sud allo svincolo di Arzachena Nord e stralcio 3 dal km 351 dell'attuale S.S. 125 – 1° stralcio, fino a Palau		
CA366	<i>Relazione di compatibilità idraulica</i>	


1 PREMESSE

L'intervento di cui al presente Progetto Definitivo si inserisce nel più ampio progetto di miglioramento della S.S.125, S.S. 133 e S.S. 133bis nel tratto Olbia (dall'innesto S.P. 16 per Golfo Aranci) – Arzachena – Palau – Santa Teresa di Gallura, ed è ricompreso nel primo programma per le infrastrutture strategiche di Legge Obiettivo (CIPE 121/2001).

Il progetto preliminare della tratta da Olbia Nord a Palau, per una estesa di circa 28 Km, è stato redatto dalla Regione Sardegna ed è stato inoltrato al CIPE a settembre 2003 per le procedure approvative di Legge Obiettivo. Esso si sviluppa in gran parte nell'ambito del corridoio già interessato dalla statale esistente, e prevede la realizzazione di diverse gallerie, viadotti ed opere di sostegno, oltre a svincoli di allaccio alla statale esistente.

Nell'ambito delle procedure, il progetto preliminare ha incontrato il consenso dei Comuni e degli Enti interessati in sede di Conferenza dei Servizi (2002) e sono stati acquisiti i pareri della Commissione Speciale VIA e del Ministero Beni e Attività Culturali (2004). Infine, è stata acquisita la delibera della Regione Sardegna sulla localizzazione dell'intervento (n. 26/18 del 2010). Le procedure di Legge Obiettivo non sono state mai concluse con la Delibera CIPE, in relazione alla mancanza dei finanziamenti necessari.

Nella Relazione idraulica (CA366_T00ID00IDRRE02_A) sono state definite le impostazioni teoriche adottate per la schematizzazione dei fenomeni naturali, le ipotesi semplificative assunte e le metodologie di calcolo utilizzate rispettivamente per l'idraulica fluviale e per i fenomeni fisici propri dell'interferenza tra le strutture d'attraversamento e corso d'acqua, ottenendo i risultati che in questa sede saranno utilizzati per l'analisi della compatibilità idraulica dei manufatti stradali interferenti con lo schema idrografico locale, sia principale, sia secondari in conformità alle condizioni imposte dalla normativa vigente.

S.S. 125 Nuova S.S. 125/133bis "Olbia-Palau"		
Tratta Arzachena Nord - Palau, Stralcio 2 da Arzachena Sud allo svincolo di Arzachena Nord e stralcio 3 dal km 351 dell'attuale S.S. 125 – 1° stralcio, fino a Palau		
CA366	<i>Relazione di compatibilità idraulica</i>	

2 ANALISI DI COMPATIBILITA' IDRAULICA

2.1 *Idraulica fluviale e Compatibilità idraulica delle interferenze*

L'analisi delle interazioni che si verificano fra la corrente idrica, l'alveo del corso d'acqua in cui questa defluisce e le strutture in alveo degli attraversamenti fluviali è stata oggetto negli ultimi anni di una rinnovata attenzione da parte di progettisti e ricercatori.


La presenza di un attraversamento, infatti, quand'anche si prescinda dai problemi derivanti da un suo eventuale collasso o danneggiamento, può indurre conseguenze rilevanti sulla morfologia dell'alveo fluviale, sulle caratteristiche idrauliche della corrente e sullo stesso regime delle portate di piena. Ad esempio, si possono verificare migrazioni laterali d'alveo indotte dalla presenza in alveo delle infrastrutture del ponte, in particolare dei rilevati di accesso, riduzione della capacità di deflusso e conseguente rialzo dei livelli del pelo libero di monte, e formazione di invasi a monte del manufatto di attraversamento che possono essere amplificati dalla parziale ostruzione delle luci del ponte ad opera di detriti lapidei e vegetali trasportati dalla corrente. La formazione di tali invasi temporanei può avere conseguenze particolarmente rilevanti, poiché da un lato può provocare un sensibile rialzamento dei livelli a monte e conseguente sormonto dell'impalcato, dall'altro l'insorgenza di sollecitazioni anomale sia sulle pile dei ponti che soprattutto sull'impalcato. Ciò può portare al collasso del ponte, fenomeno che si sviluppa usualmente in tempi piuttosto brevi; si verifica così lo svaso rapido del volume idrico accumulato a monte, che si traduce in un incremento anche notevole del valore di portata del colmo di piena transitante a valle rispetto alla situazione di alveo indisturbato.

Nei paragrafi seguenti, dopo una sintesi dei principali riferimenti normativi relativi alla progettazione ed alla verifica della sicurezza degli attraversamenti fluviali, sono brevemente descritti gli approcci metodologici, i parametri idraulici e le formule applicative utilizzate per la valutazione quantitativa dei fenomeni di rigurgito della corrente a monte degli attraversamenti e dei fenomeni erosivi alla base delle strutture in alveo.

2.2 *Riferimenti normativi*

2.2.1 *Prescrizioni normative del Ministero dei Lavori Pubblici*

In Italia i riferimenti normativi ai quali si deve attenere il progettista degli attraversamenti fluviali sono contenuti nel Decreto Ministeriale del 2 agosto 1980 e in quello del 4 maggio 1990, ai

S.S. 125 Nuova S.S. 125/133bis "Olbia-Palau"		
Tratta Arzachena Nord - Palau, Stralcio 2 da Arzachena Sud allo svincolo di Arzachena Nord e stralcio 3 dal km 351 dell'attuale S.S. 125 – 1° stralcio, fino a Palau		
CA366	<i>Relazione di compatibilità idraulica</i>	

quali ha fatto seguito la Circolare n. 34233 emanata in data 25 febbraio 1991 dal Ministero dei Lavori Pubblici, recante "Istruzioni relative alla normativa tecnica dei ponti stradali". Recentemente il DM 14/01/08 più noto come "Norme Tecniche per le Costruzioni" e successivamente la Circolare esplicativa n. 617 del 2-2-2009 ha integrato in alcune parti le norme dei precedenti decreti, riguardanti prevalentemente le azioni da prevedere per i calcoli statici. Il presente progetto fa riferimento alle norme di compatibilità idraulica delle NTC 2008. Le norme prescrivono di assumere normalmente quale portata di progetto quella corrispondente a un tempo di ritorno non inferiore a duecento anni per la quale i calcoli idraulici dovranno verificare la sussistenza di un franco minimo tra il livello di massima piena e l'impalcato del ponte (di 1,5÷2 m).


Viene inoltre suggerito di stimare la frequenza probabile dell'evento di piena che dà luogo all'annullamento del franco ed in ogni caso si stabilisce che, per i corsi d'acqua arginati, la quota di sottotrave del ponte deve essere non inferiore a quella della sommità arginale.

Nello studio idraulico dell'opera, devono essere oggetto d'indagine i seguenti problemi: classificazione del corso d'acqua ai fini dell'esercizio della navigazione interna; valutazione dello scavo localizzato con riferimento alle forme ed alle dimensioni delle pile, delle spalle, delle fondazioni nonché dei rilevati; valutazione degli effetti dovuti all'eventuale presenza di correnti veloci; esame delle conseguenze della presenza di eventuali corpi natanti, flottanti e trasportati dalle acque, ove ricorra detta possibilità, nonché delle conseguenze di eventuali ostruzioni delle luci, specie se queste possono creare invasi anche temporanei a monte, sia in fase costruttiva, sia durante l'esercizio delle opere. In situazioni particolarmente complesse si suggerisce di sviluppare le indagini anche con l'ausilio di modelli fisici in scala ridotta.

Nel complesso, le norme emanate dal Ministero dei Lavori Pubblici fissano il quadro di riferimento per lo sviluppo della relazione sugli aspetti idrologici, idrografici ed idraulici prescritta a corredo della progettazione dell'attraversamento fluviale, delineando anche i criteri generali che devono guidare l'articolazione di tale relazione.


2.2.2 *Prescrizioni normative ABPO*

Per quanto riguarda i criteri di progetto e di compatibilità adottati nella progettazione delle opere di attraversamento, per quanto non specificatamente indicato nelle Norme di attuazione del PAI della Regione Sardegna, si è fatto riferimento a quanto espresso nella "Direttiva n. 4 –Criteri per la valutazione della compatibilità idraulica delle infrastrutture pubbliche e di

S.S. 125 Nuova S.S. 125/133bis "Olbia-Palau"		
Tratta Arzachena Nord - Palau, Stralcio 2 da Arzachena Sud allo svincolo di Arzachena Nord e stralcio 3 dal km 351 dell'attuale S.S. 125 – 1° stralcio, fino a Palau		
CA366	<i>Relazione di compatibilità idraulica</i>	

interesse pubblico all'interno delle fasce A e B" allegata alle Norme di Attuazione dell'Autorità di Bacino del fiume PO.

Lo studio di compatibilità è stato pertanto finalizzato a valutare che l'inserimento della struttura sia coerente con l'assetto idraulico del corso d'acqua e non comporti alterazioni delle condizioni di rischio idraulico, ed al contempo sono state valutate in modo adeguato le sollecitazioni di natura idraulica cui è sottoposta l'opera, in rapporto alla sicurezza della stessa.

S.S. 125 Nuova S.S. 125/133bis "Olbia-Palau"		
Tratta Arzachena Nord - Palau, Stralcio 2 da Arzachena Sud allo svincolo di Arzachena Nord e stralcio 3 dal km 351 dell'attuale S.S. 125 – 1° stralcio, fino a Palau		
CA366	<i>Relazione di compatibilità idraulica</i>	

I criteri di compatibilità adottati possono essere pertanto sintetizzati in quanto segue:

1. *Portata di piena di progetto.*

Per quanto riguarda gli scenari di riferimento presi in considerazione nelle verifiche di compatibilità idraulica degli attraversamenti principali, in ottemperanza a quanto stabilito dalle norme, è stato assunto il Tempo di ritorno di 200 anni.

2. *Franco minimo.*

Il minimo franco tra la quota idrometrica relativa alla piena di progetto e la quota di intradosso del ponte è stato assunto non inferiore a 0.5 volte l'altezza cinetica della corrente e comunque non inferiore a un 1.00 m; il valore del franco deve essere assicurato per almeno 2/3 della luce quando l'intradosso del ponte non sia rettilineo e comunque per almeno 40 m, nel caso di luci superiori a tale valore.

3. *Posizionamento del ponte rispetto all'alveo.*

L'insieme delle opere costituenti l'attraversamento non deve comportare condizionamenti al deflusso della piena e indurre modificazioni all'assetto morfologico dell'alveo. L'orientamento delle pile (ed eventualmente delle spalle) deve essere parallelo al filone principale della corrente. In particolare devono essere rispettate le seguenti condizioni:

- per i corsi d'acqua non arginati le pile e le spalle devono essere poste al di fuori delle sponde incise dell'alveo; in via eccezionale la pila può interessare la sponda, purché sia integrata con opportuni accorgimenti di difesa e di rivestimento;
- nei casi in cui il ponte sia inserito in un tratto di corso d'acqua interessato da altre opere di attraversamento poste in adiacenza, a monte o a valle, è necessario che le pile in alveo (ed eventualmente le spalle) siano allineate con quelle esistenti in modo che le pile presenti, considerate

congiuntamente, non riducano la luce effettiva disponibile, anche ai fini del rischio di ostruzione da parte del materiale trasportato in piena;

- la struttura deve consentire il mantenimento della continuità della pista di servizio in fregio al corso d'acqua ovvero sul rilevato arginale.

4. *Effetti idraulici indotti dal ponte.*

La soluzione progettuale per il ponte e per i relativi rilevati di accesso deve garantire l'assenza di effetti negativi indotti sulle modalità di deflusso in piena; in particolare il profilo idrico di rigurgito eventualmente indotto dall'insieme delle opere di attraversamento deve essere compatibile con l'assetto difensivo presente e non deve comportare un aumento delle condizioni di rischio idraulico per il territorio circostante. Vanno inoltre verificati seguenti aspetti aggiuntivi:


- assenza di riduzione della superficie delle aree allagabili per effetto del ponte al fine di evitare effetti di minore laminazione della piena lungo l'asta fluviale;
- compatibilità dell'opera e delle eventuali sistemazioni idrauliche connesse con gli effetti indotti da possibili ostruzioni delle luci ad opera di corpi flottanti trasportati dalla piena ovvero di deposito anomalo di materiale derivante dal trasporto solido, soprattutto nel caso possano realizzarsi a monte invasi temporanei di dimensione significativa.

5. *Opere idrauliche collegate al ponte.*

Nel caso in cui l'inserimento o la presenza del ponte comporti la realizzazione di opere idrauliche con funzioni di sistemazione dell'alveo nel tratto interessato dall'attraversamento, il progetto deve comprendere la definizione delle opere stesse con lo stesso livello di dettaglio relativo all'opera principale.

2.2.3 *Prescrizioni normative dell'Autorità di Bacino della Regione Sardegna*

Premesso che, come già accennato nella Relazione Idrologica, dall'analisi della documentazione cartografica allegata al PAI (inclusi gli aggiornamenti dello "Studio CINSA" e del PSFF) si è riscontrato che l'intervento in progetto risulta interessare alcune aree

S.S. 125 Nuova S.S. 125/133bis "Olbia-Palau"		
Tratta Arzachena Nord - Palau, Stralcio 2 da Arzachena Sud allo svincolo di Arzachena Nord e stralcio 3 dal km 351 dell'attuale S.S. 125 - 1° stralcio, fino a Palau		
CA366	Relazione di compatibilità idraulica	

perimetrare a pericolosità o rischio idraulico, assoggettabili alle disposizioni di cui al Titolo III delle Norme di Attuazione del PAI.

E' stata pertanto condotta un'attenta analisi idraulica volta a dimostrare la compatibilità idraulica delle soluzioni proposte per risolvere le interferenze idrauliche del tracciato nel seguito dettagliate, riguardanti non solo i corsi d'acqua perimetrati nel PAI ma anche quelli non inclusi nelle aree di pericolosità o rischio idraulico.

In tale analisi sono stati tenuti in debita considerazione gli obiettivi, finalità, indirizzi e raccomandazioni contenute nel PAI e di seguito brevemente citati. In particolare **l'Allegato E** alle Norme del PAI, dà indicazioni circa i criteri per la predisposizione degli studi di compatibilità idraulica di cui all'articolo 24 delle norme stesse, come riportato di seguito:


"Nei casi in cui è espressamente richiesto dalle norme di attuazione del PAI, i progetti preliminari, ai sensi della Legge n. 109 del 11 febbraio 1994, degli interventi da realizzarsi nelle aree di pericolosità idraulica sono corredati da uno studio di compatibilità idraulica in cui si dimostri la coerenza con le finalità indicate nell'articolo 23, comma 6, e nell'articolo 24 delle norme di attuazione del PAI e si dimostri in particolare che l'intervento sottoposto all'approvazione è stato progettato rispettando il vincolo di non aumentare il livello di pericolosità e di rischio esistente - fatto salvo quello eventuale intrinsecamente connesso all'intervento ammissibile - e di non precludere la possibilità di eliminare o ridurre le condizioni di pericolosità e rischio.

La compatibilità idraulica dell'intervento proposto: a) è verificata in funzione degli effetti dell'intervento sui i livelli di pericolosità rilevati dal PAI; b) è valutata in base agli effetti sull'ambiente tenendo conto dell'evoluzione della rete idrografica complessiva e del trasferimento della pericolosità a monte e a valle.

Lo studio di compatibilità idraulica non sostituisce ma integra tra l'altro i criteri e gli strumenti di valutazione previsti dalla Legge n. 64 del 2 febbraio 1974, dal D.M. 12 dicembre 1985, dal D.M. LL.PP 11 marzo 1988 e dalla Circolare esplicativa n. 30483 del 24 settembre 1988, dalla Legge n. 109 del 11 febbraio 1994 (Norme urgenti in materia di lavori pubblici) e s.m.i., dalle norme nazionali in materia di valutazione di impatto ambientale e di valutazioni di incidenza, dalle disposizioni dell'ordinamento della Regione Sardegna.

Lo studio di compatibilità idraulica deve contenere e illustrare:

- *l'analisi idrologica finalizzata alla definizione della piena di riferimento completa di caratterizzazione geopedologica del bacino sotteso dalla sezione di controllo. La stima della piena di riferimento va condotta per i tempi di ritorno relativi al livello di pericolosità dell'area interessata dall'intervento e per i tempi di ritorno superiori tra quelli indicati dalla relazione del PAI;*

S.S. 125 Nuova S.S. 125/133bis "Olbia-Palau"		
Tratta Arzachena Nord - Palau, Stralcio 2 da Arzachena Sud allo svincolo di Arzachena Nord e stralcio 3 dal km 351 dell'attuale S.S. 125 – 1° stralcio, fino a Palau		
CA366	<i>Relazione di compatibilità idraulica</i>	

- *l'analisi idraulica dell'asta fluviale e dell'area di allagamento compresa tra due sezioni caratterizzate da condizioni al contorno definibili;*
- *l'analisi dei processi erosivi in alveo e nelle aree di allagamento;*
- *l'analisi dei processi erosivi e delle sollecitazioni nei manufatti.*

Per quanto attiene le metodologie di analisi idrologica e idraulica si applicano almeno i criteri indicati nelle Linee Guida allegate alla Relazione del PAI.

Lo studio deve essere corredato da:

- *relazione tecnica illustrativa ed esplicativa delle procedure adottate e delle analisi svolte;*
- *risultati delle elaborazioni numeriche;*
- *elaborati grafici di dettaglio almeno alla scala della cartografia del PAI consegnati anche su supporto informatico; i relativi dati devono essere georeferenziati secondo standard opportuni per consentire l'aggiornamento del SIT della Regione Sardegna;*
- *documentazione grafica con apposite sezioni e profili idraulici a scala adeguata atti ad identificare i livelli di piena;*
- *piano di manutenzione degli interventi;*
- *piano di monitoraggio per il controllo della efficacia degli interventi".*

Per quanto riguarda gli scenari di riferimento presi in considerazione nelle verifiche di compatibilità idraulica degli attraversamenti è stata assunta la portata di progetto relativa al tempo di ritorno di 200 anni ed un franco minimo, tra il livello di massima piena e la quota di intradosso, calcolato secondo le indicazioni contenute all'interno dell'art. 21 comma 2 lettera d "Indirizzi per la progettazione, la realizzazione e manutenzione delle infrastrutture" delle Norme del PAI aggiornate a giugno 2020:

Le disposizioni e norme tecniche tendono a stabilire principi generali e prescrizioni affinché le attività di progettazione, realizzazione e manutenzione di cui al precedente comma:

.....omissis


d. garantiscano un franco sul livello della portata di progetto, per velocità medie della corrente inferiori a 8 m/s, pari a quanto indicato dall'analisi modellistica sul franco idraulico approvata dal Comitato istituzionale dell'Autorità di Bacino, corrispondente al massimo tra:

- 1) $0.7 \frac{v^2}{2g}$ dove indica la velocità media della corrente;
- 2) un metro;

- 3) $0.87\sqrt{y} + \alpha y'$ dove y è la profondità media della corrente, y' è l'altezza della corrente areata ed α un coefficiente che varia linearmente tra 0 e 1 quando la velocità varia tra 5 m/s e 15 m/s, con le limitazioni che il valore $0.87\sqrt{y}$ sarà assunto al massimo pari a 1,5 ed y' viene assunto pari a 2 metri o alla profondità media, se questa risulta minore di 2.

Per velocità superiori a 8 m/s il franco sarà almeno pari all'intera altezza cinetica $\frac{v^2}{2g}$;

(lettera così modificata dal Decreto del Presidente della Regione Sardegna n° 148 del 26 ottobre 2012)

S.S. 125 Nuova S.S. 125/133bis "Olbia-Palau"		 anas <small>GRUPPO FS ITALIANE</small>
Tratta Arzachena Nord - Palau, Stralcio 2 da Arzachena Sud allo svincolo di Arzachena Nord e stralcio 3 dal km 351 dell'attuale S.S. 125 – 1° stralcio, fino a Palau		
CA366	<i>Relazione di compatibilità idraulica</i>	

2.3 Attraversamenti corsi d'acqua maggiori: ponti

Si riportano nei successivi sottoparagrafi le tabelle con i valori di portata, al variare del tempo di ritorno, e di livello che si instaurano a monte ed a valle degli attraversamenti in progetto (dati desumibili dall'elaborato CA366_T00ID00IDRRE02_A).

In base a quanto stabilito dalla normativa vigente, come detto, la verifica di compatibilità dei nuovi manufatti interferenti con l'idrografia principale deve essere condotta considerando le condizioni di piena che si instaurano con un tempo di ritorno duecentennale, garantendo un franco minimo dato dal massimo valore parametrico indicato nel paragrafo 2.2.3 e funzione della velocità media del flusso idrico nella sezione di controllo considerata.

Nel caso presente, trattandosi di impalcati a sezione variabile, si considera come quota di estradosso cui riferire il franco, la quota minima che si colloca generalmente in corrispondenza delle pile centrali.

Per maggiori dettagli in merito alla geometria d'alveo adottata, ai risultati delle simulazioni idrauliche condotte, sia in condizioni Ante Operam, sia in condizioni Post Operam, si rimanda all'allegato A della presente relazione.

Di seguito sono riportate le opere di progetto con le portate nella sezione di monte dell'attraversamento in viadotto e il livello idrico massimo che si instaura nella sezione.

2.3.1 Riu Patruali

SS 125 – NUOVO VIADOTTO VI02		
Tr	Q	hws
anni	mc/s	m s.l.m.
200	3.06	51.49

SS 125 – NUOVO VIADOTTO VI03		
Tr	Q	hws
anni	mc/s	m s.l.m.
200	14.93	68.72

2.3.2 Fiume_91055

SS 125 – NUOVO VIADOTTO VI04		
Tr	Q	hws
anni	mc/s	m s.l.m.
200	9.53	34.41

2.3.3 Fiume_110474

SS 125 – NUOVO VIADOTTO VI05		
Tr	Q	hws
anni	mc/s	m s.l.m.
200	1.77	12.87

2.3.4 Fiume_99445

SS 125 – NUOVO VIADOTTO VI06		
Tr	Q	hws
anni	mc/s	m s.l.m.
200	9.82	4.65

2.4 Attraversamenti minori: i tombini idraulici

La verifica idraulica dei tombini posti in corrispondenza delle interferenze con i corsi d'acqua indagati

è stata effettuata con l'ausilio di apposito foglio di calcolo, confrontando la portata di progetto


Q_p

[m³/s] con la portata massima smaltibile dal manufatto **Q_{max}** [m³/s], calcolata considerando i tombini con funzionamento a pelo libero. Si rimanda alla Relazione Idraulica (CA366_T00ID00IDRRE02_A) per ulteriori chiarimenti.

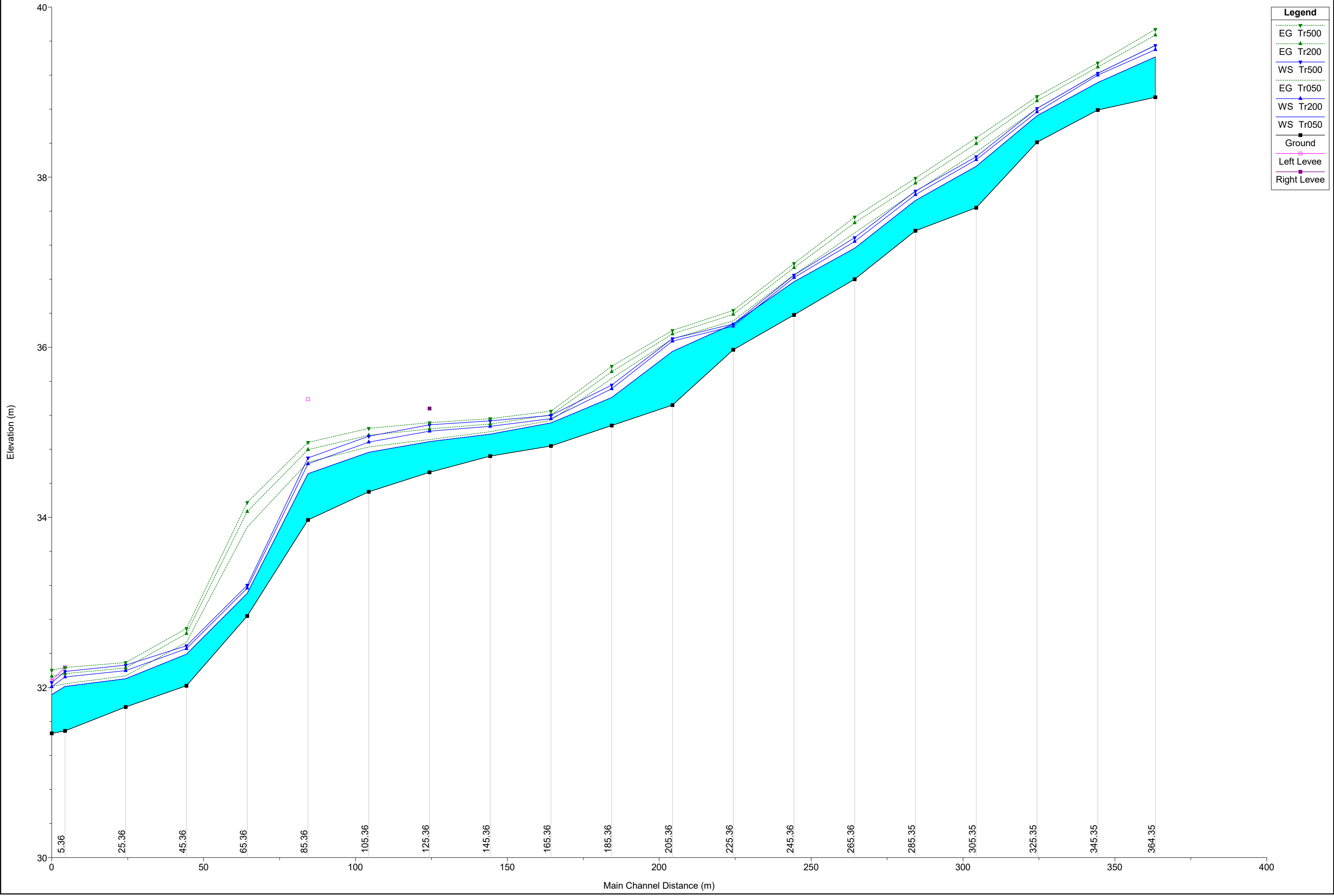
CA366

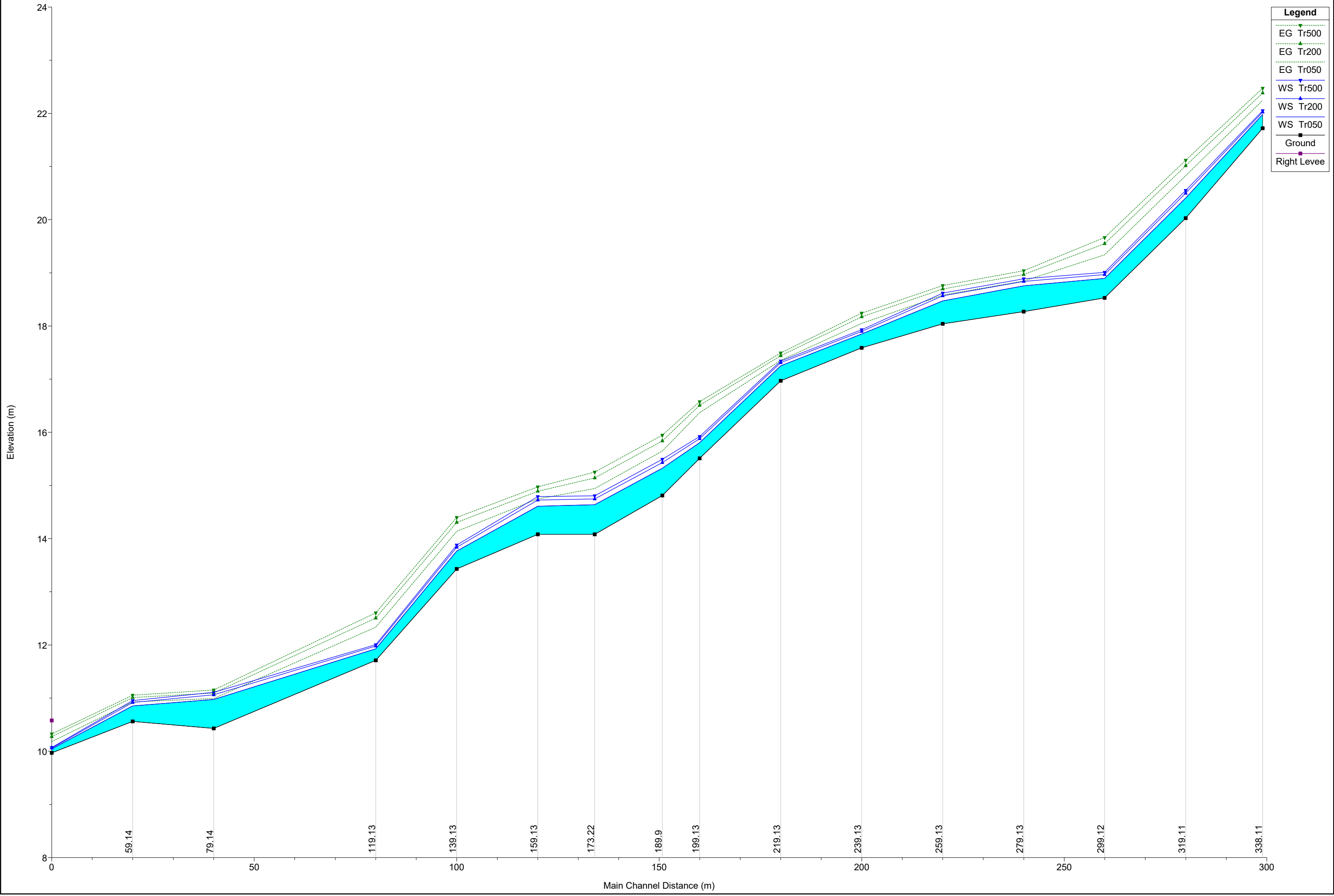
Relazione di compatibilità idraulica

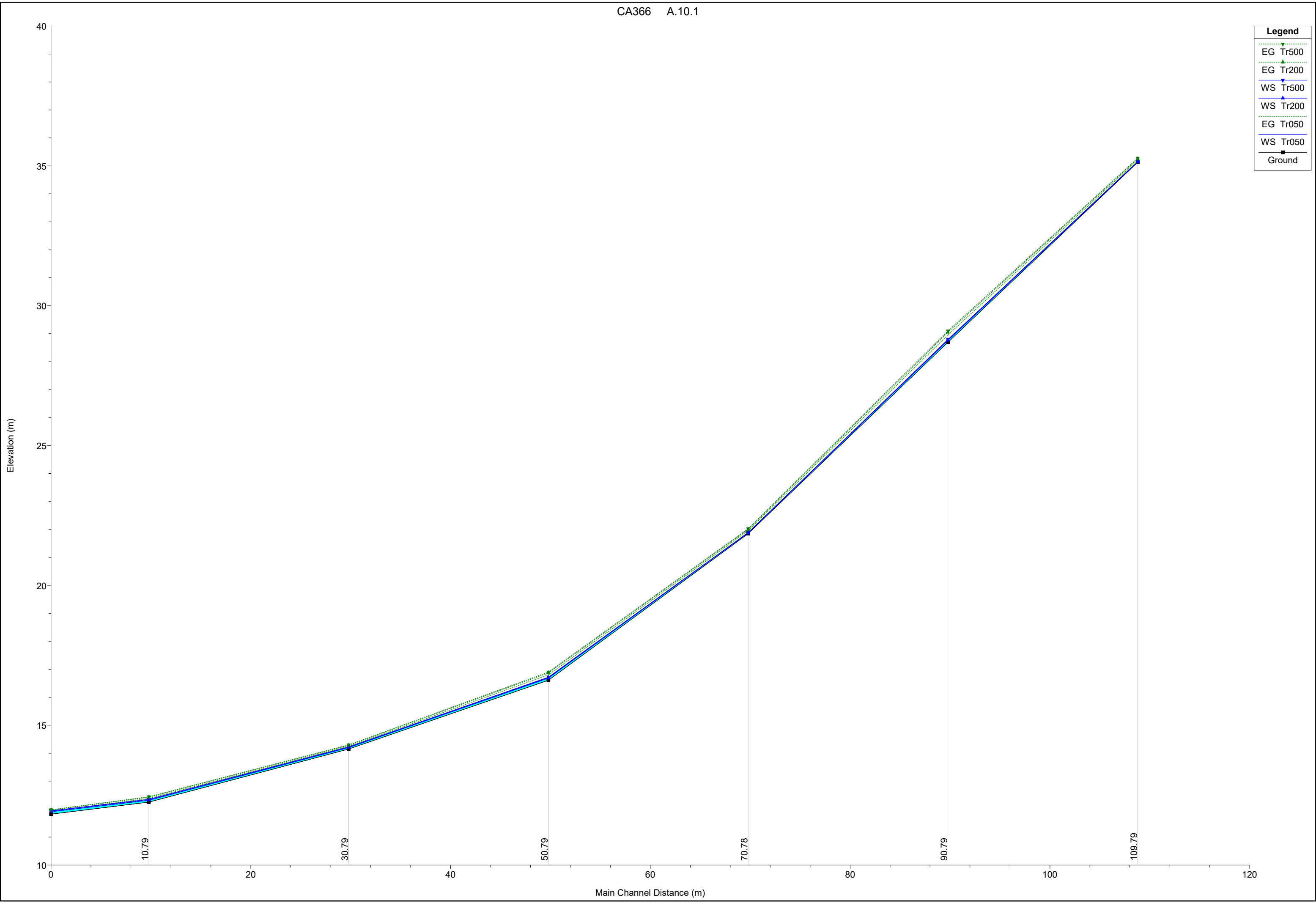
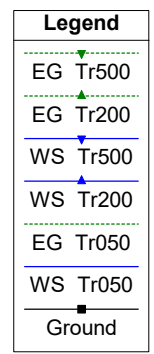
ID Opera	ID El. Idr.	Progressiva	Tipologico	B	H	L	i
				(m)	(m)	(m)	(%)
TM_AP01_01	Fosso senza nome_02	1+790.00	Scatolare	2.00	2.00	34.04	5.11
TM_AP01_02	Fosso senza nome_04	2+160.00	Scatolare	2.00	2.00	23.22	0.69
TM_ROT02_01	Fiume_91055	0+191.55	Scatolare	2.70	2.10	34.42	4.85
TM_AP02_03	Fosso senza nome_06	0+497.39	Scatolare	2.00	2.00	42.79	4.18
TM_AP02_04	Riu_Surrau	1+159.58	Scatolare	2.70	2.10	59.25	1.67
TM_AP02_05	Fiume_117270	1+243.43	Scatolare	2.00	2.00	55.63	2.19
TM_AP02_06	Fosso senza nome_07	1+420.00	Scatolare	2.00	2.00	31.32	1.92
TM_AP02_07	Fosso senza nome_08	2+199.83	Scatolare	2.00	2.00	26.62	5.00
TM_AP02_08	Fosso senza nome_09	2+234.42	Scatolare	2.00	2.00	26.05	6.99
TM_AP02_09	Fiume_89282	2+346.70	Scatolare	2.00	2.00	21.00	2.86
TM_AS_E23	Fiume_89282	2+346.70	Scatolare	2.00	2.00	15.47	3.04
TM_AP02_10	Fosso senza nome_10	2+532.03	Scatolare	2.00	2.00	11.92	3.10
TM_AP02_11	Fosso senza nome_10	2+532.03	Scatolare	2.00	2.00	24.16	3.02
TM_AP02_12	Fiume_108842	2+897.74	Scatolare	2.00	2.00	24.39	0.98
TM_AP02_13	Fosso senza nome_11	3+127.64	Scatolare	2.00	2.00	19.93	1.61
TM_AP02_14	Fosso senza nome_12	3+400.00	Scatolare	2.00	2.00	17.90	1.06

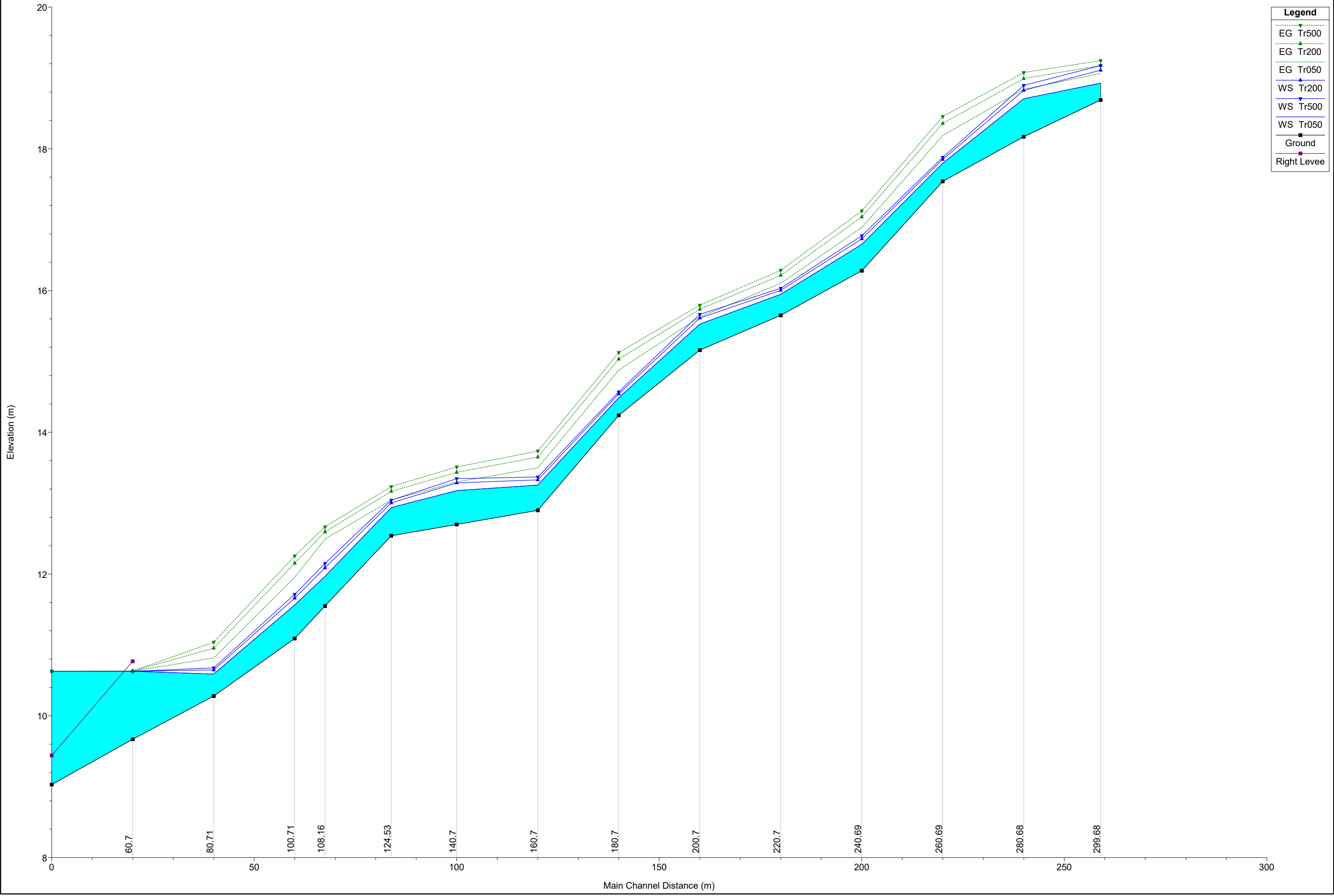
S.S. 125 Nuova S.S. 125/133bis "Olbia-Palau"		 anas GRUPPO FS ITALIANE
Tratta Arzachena Nord - Palau, Stralcio 2 da Arzachena Sud allo svincolo di Arzachena Nord e stralcio 3 dal km 351 dell'attuale S.S. 125 – 1° stralcio, fino a Palau		
CA366	<i>Relazione di compatibilità idraulica</i>	

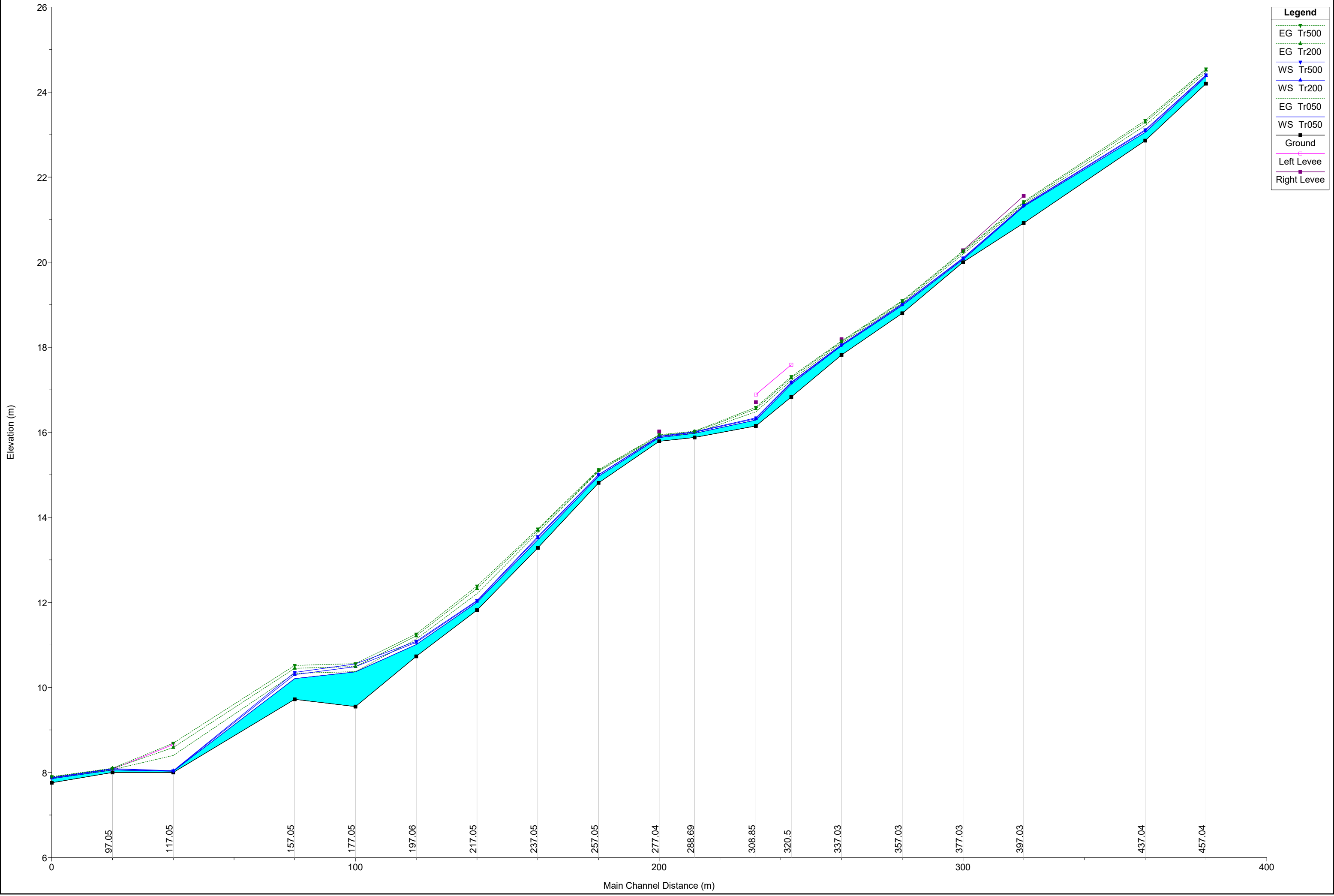
ALLEGATO A SIMULAZIONI ANTE OPERAM

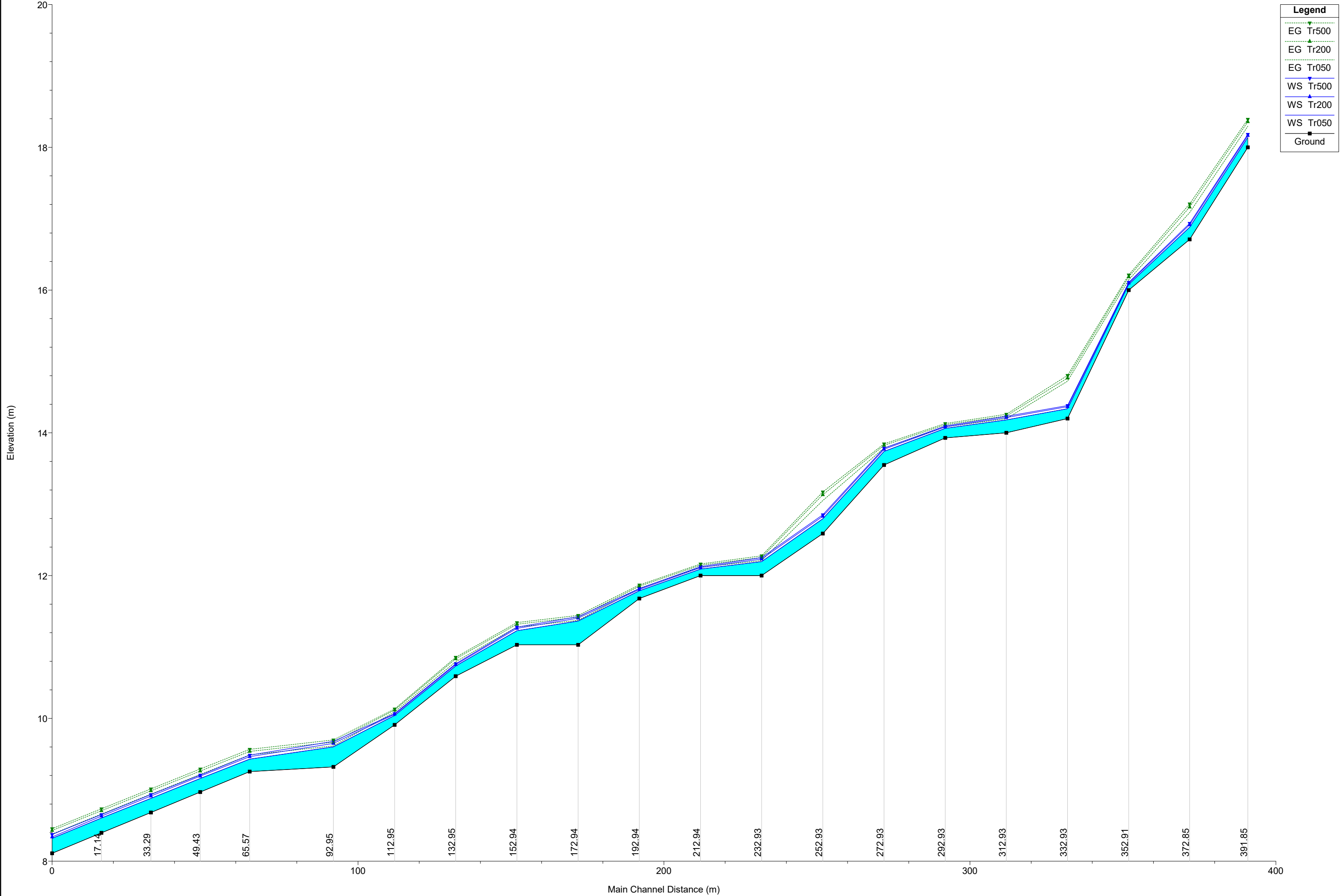






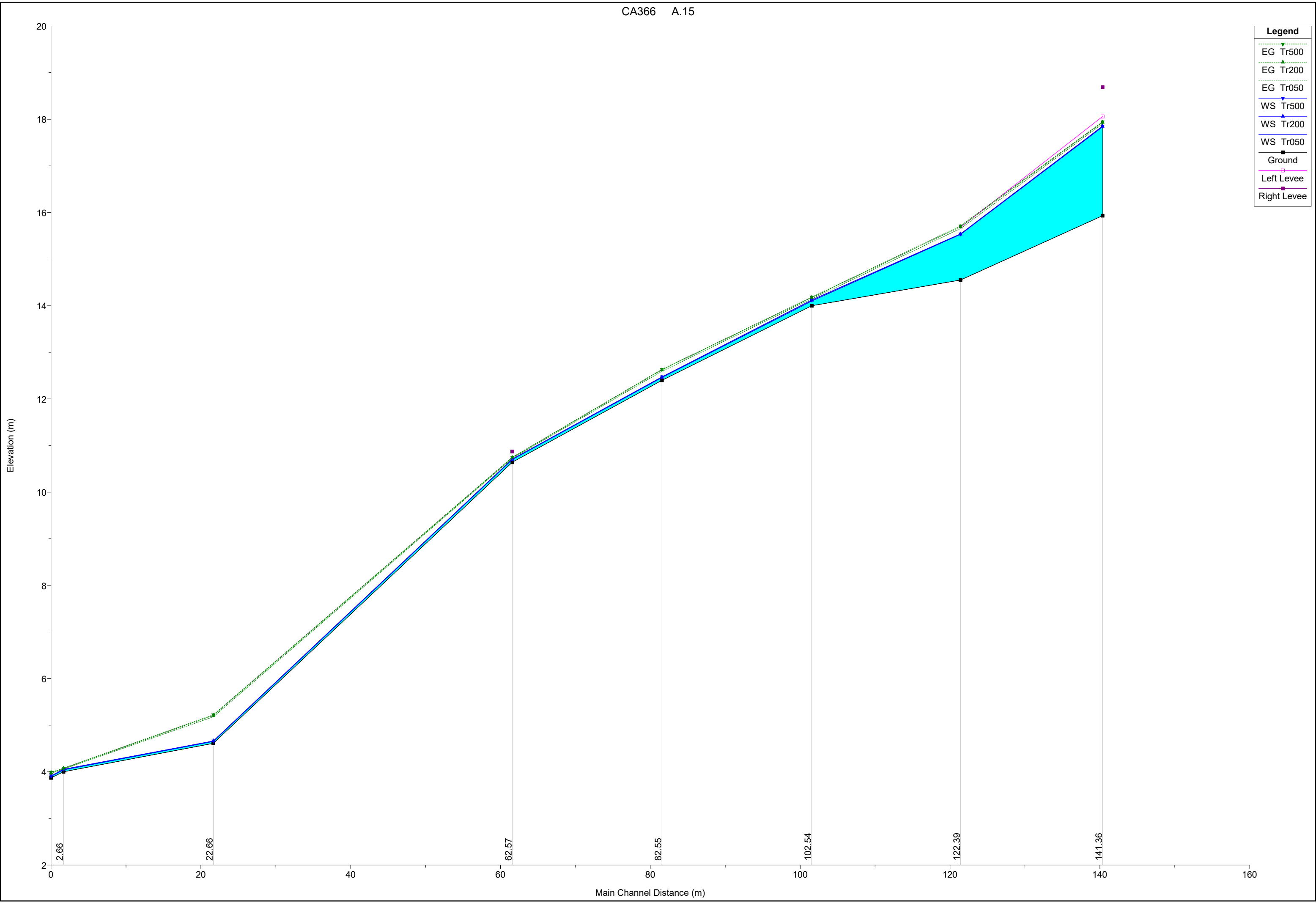


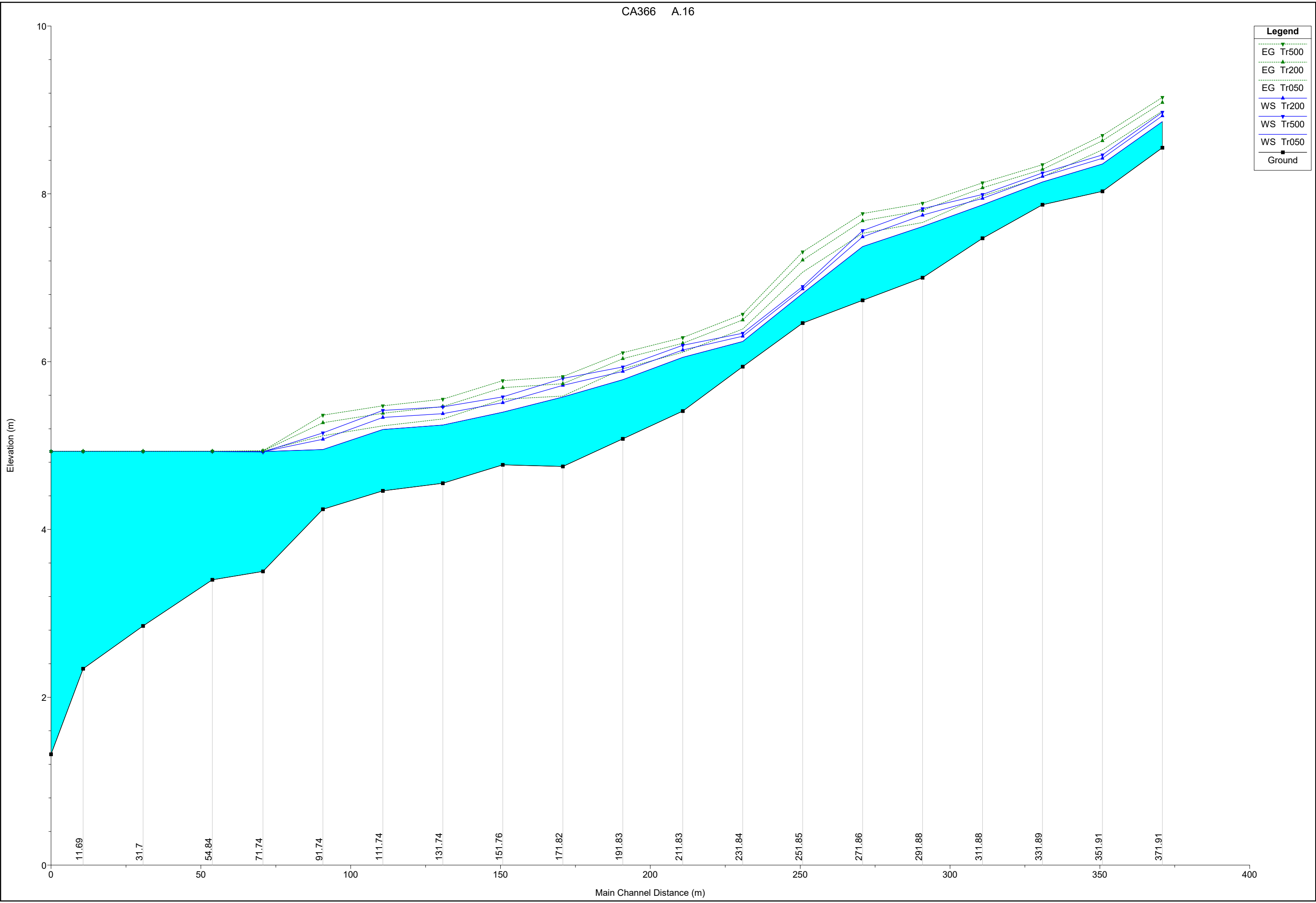
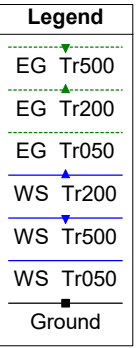


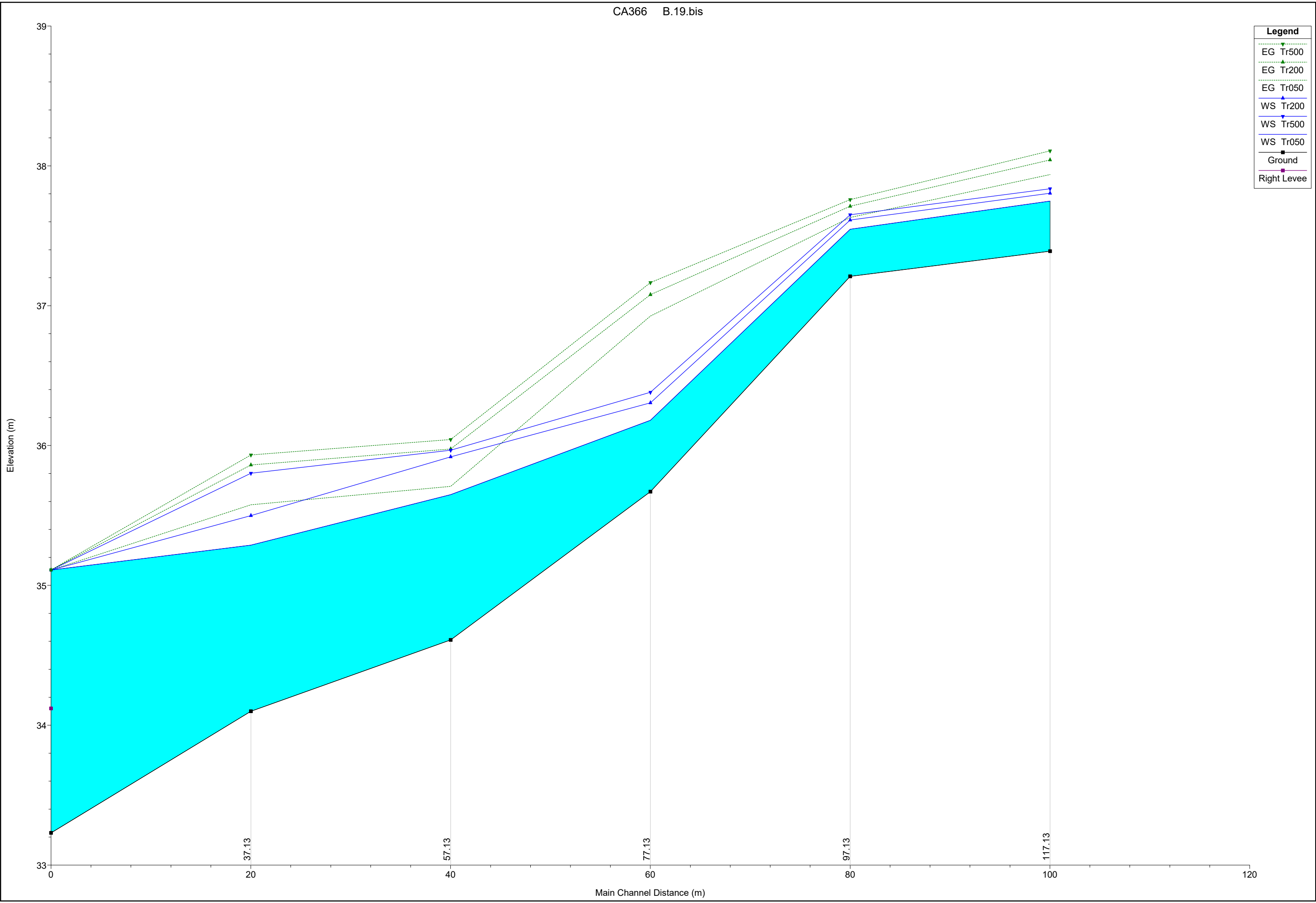
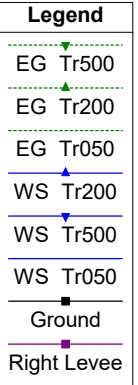


Legend

- EG Tr500
- EG Tr200
- EG Tr050
- WS Tr500
- WS Tr200
- WS Tr050
- Ground
- Left Levee
- Right Levee

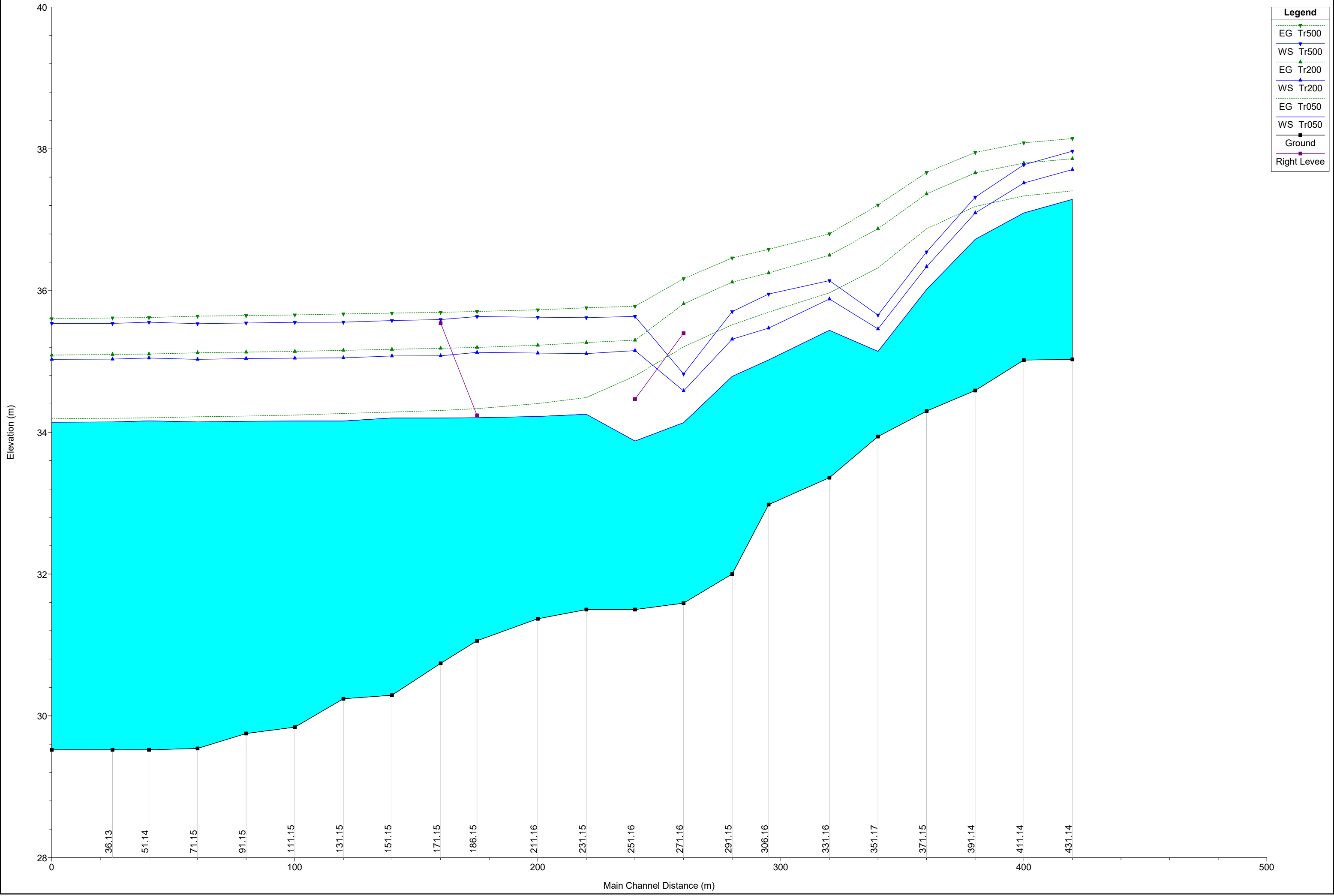


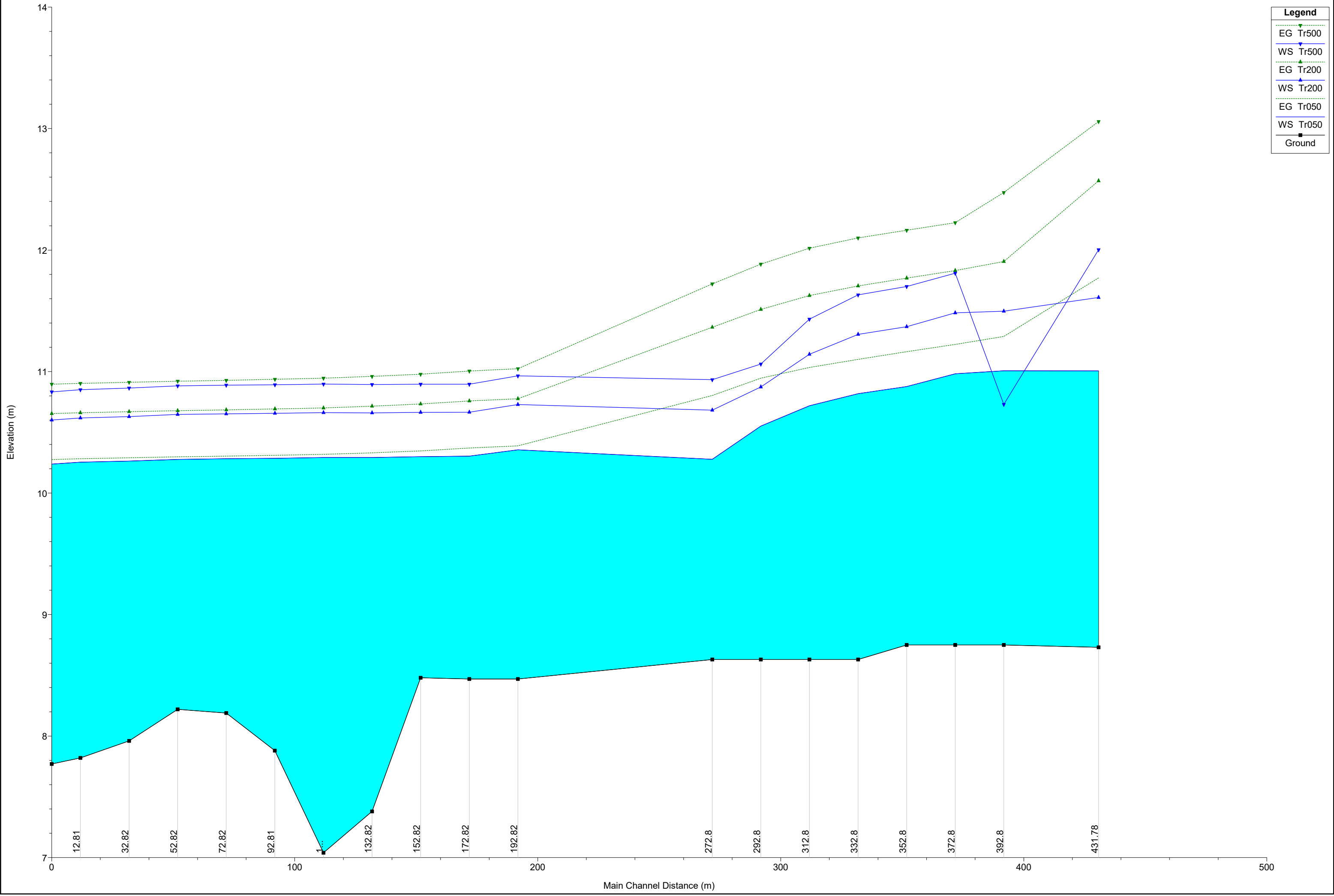
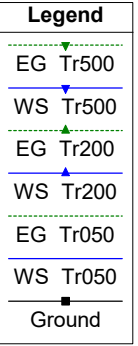


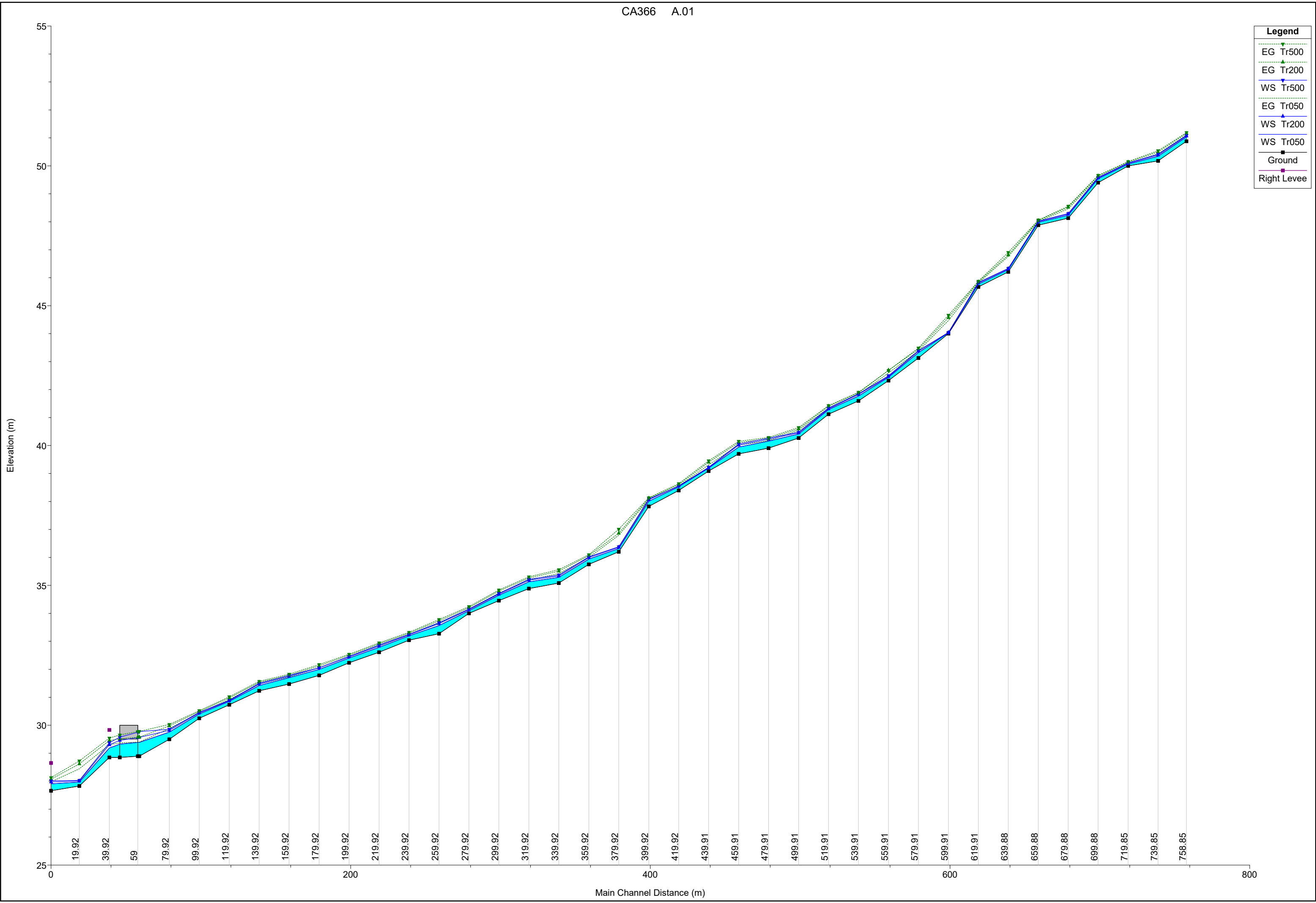
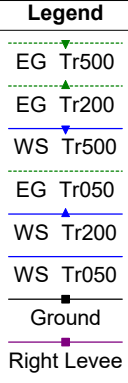


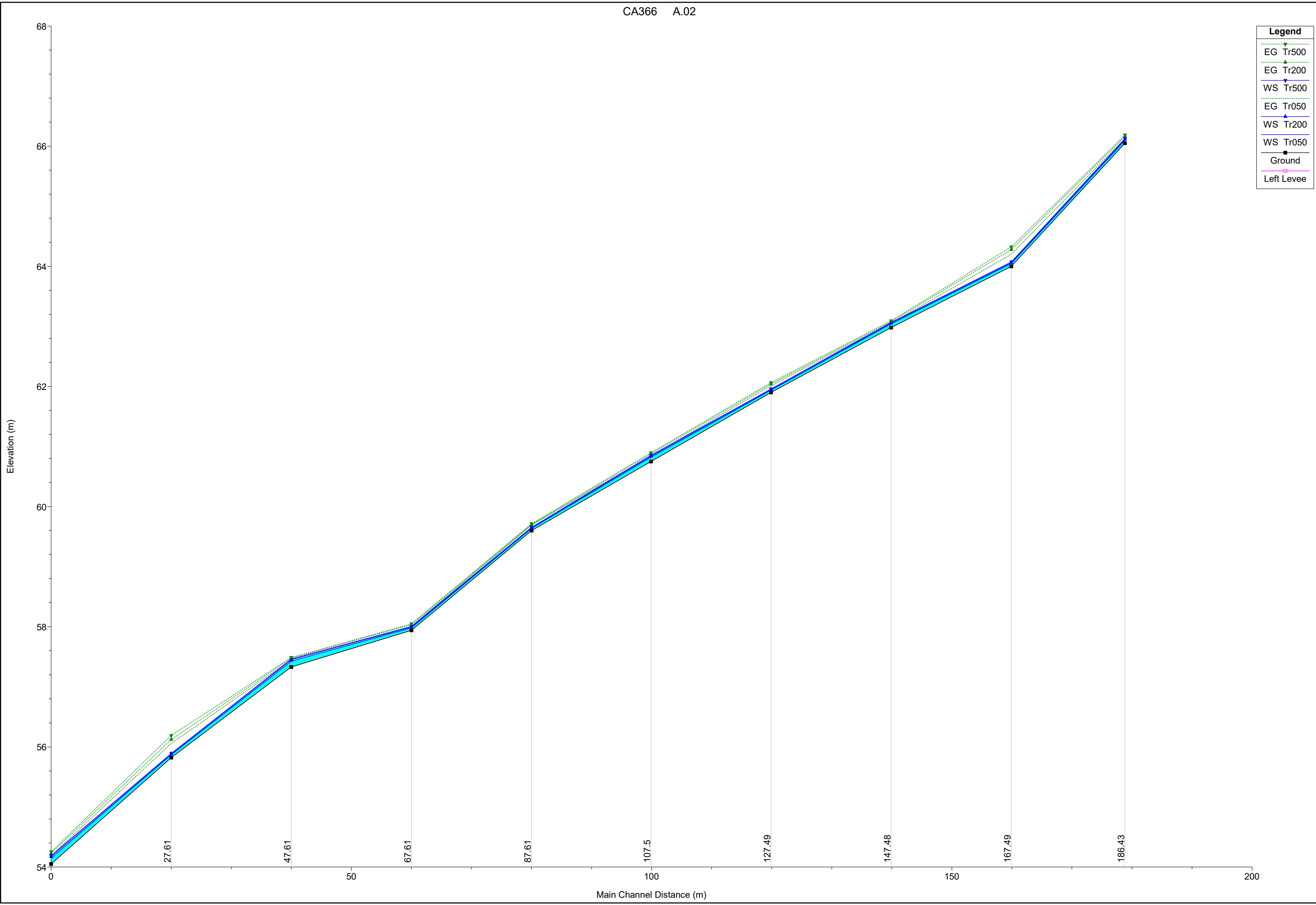
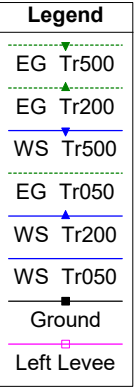
Legend

- EG Tr500
- WS Tr500
- EG Tr200
- WS Tr200
- EG Tr050
- WS Tr050
- Ground
- Right Levee



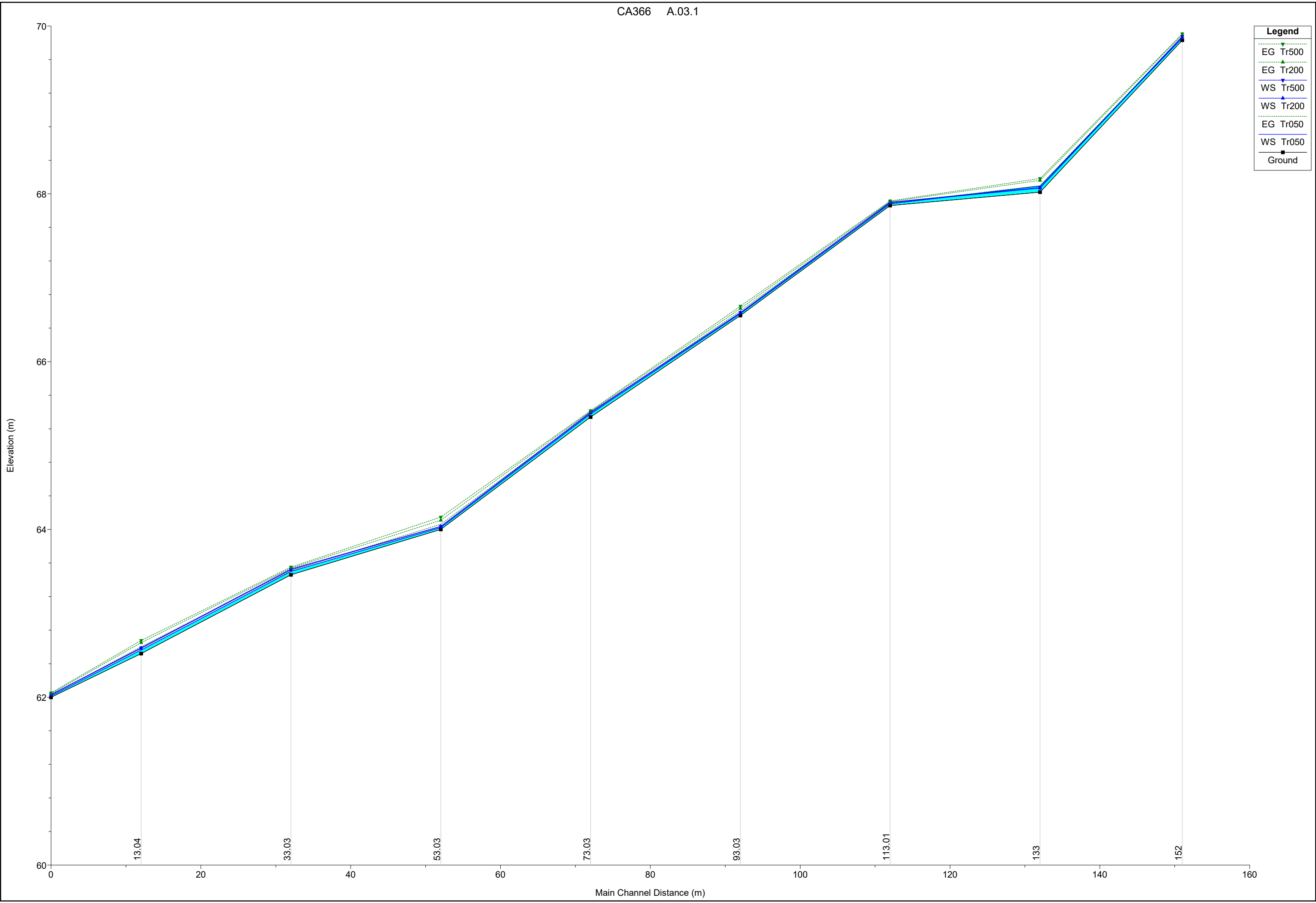


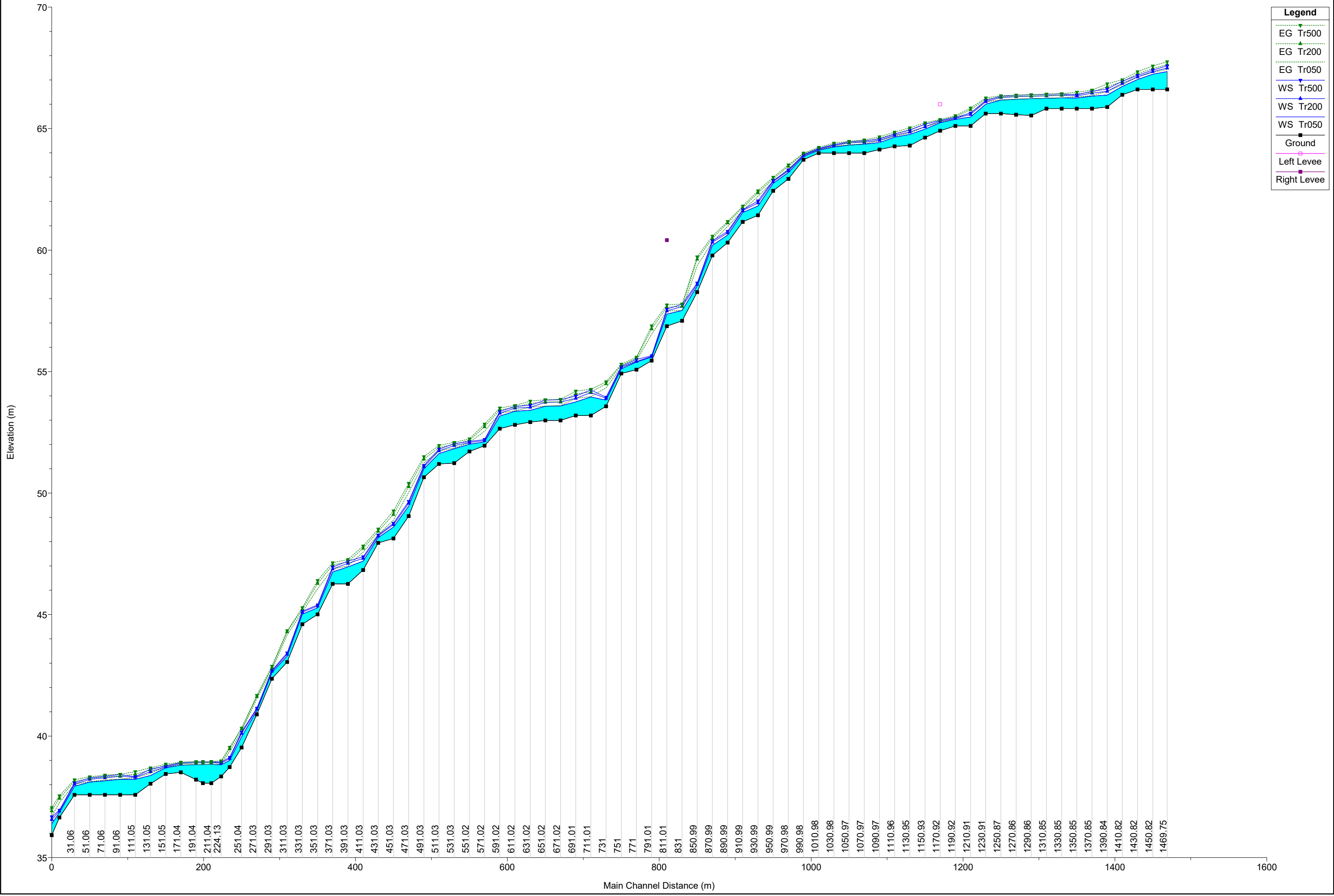




Legend

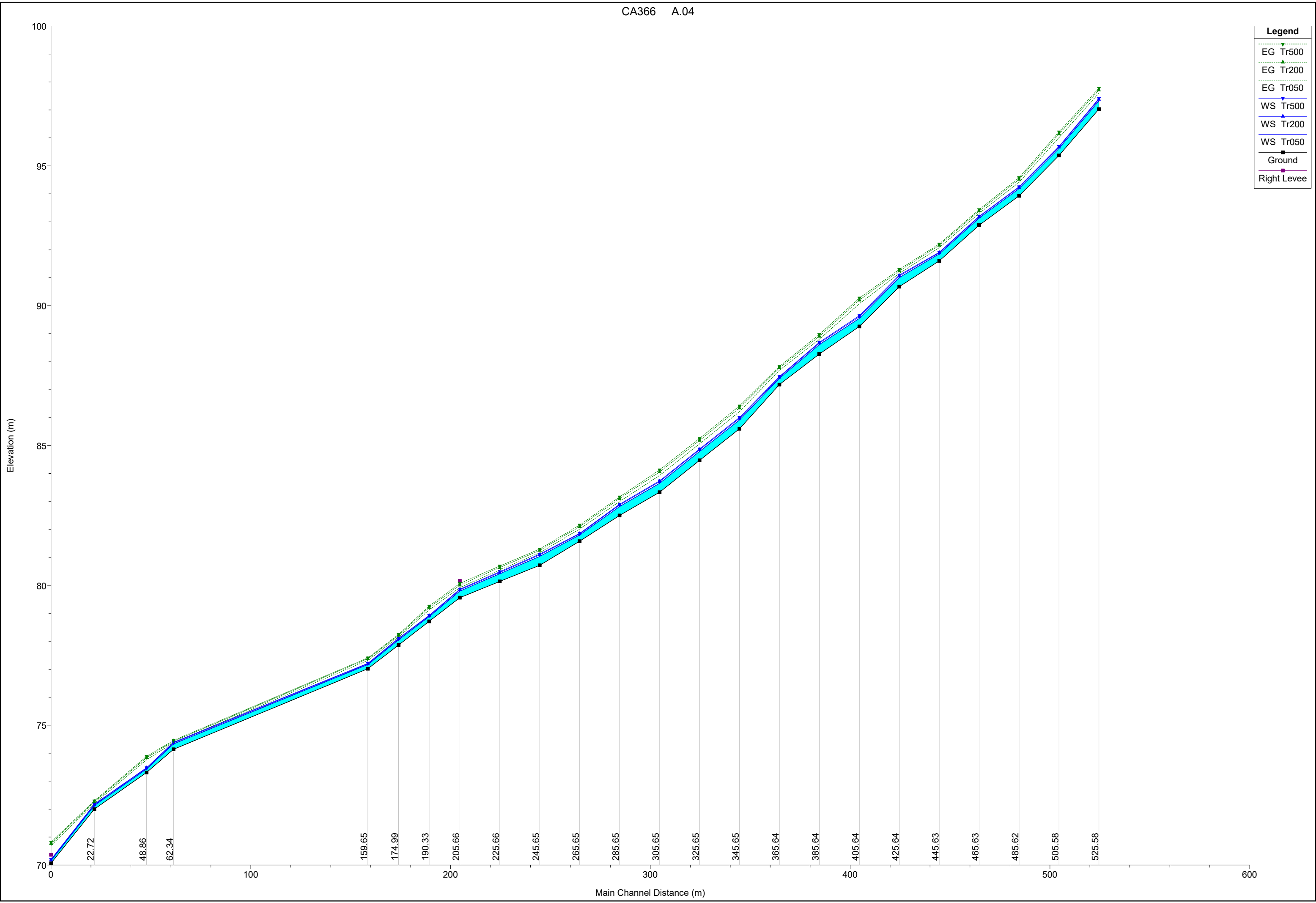
- EG Tr500
- EG Tr200
- WS Tr500
- WS Tr200
- EG Tr050
- WS Tr050
- Ground

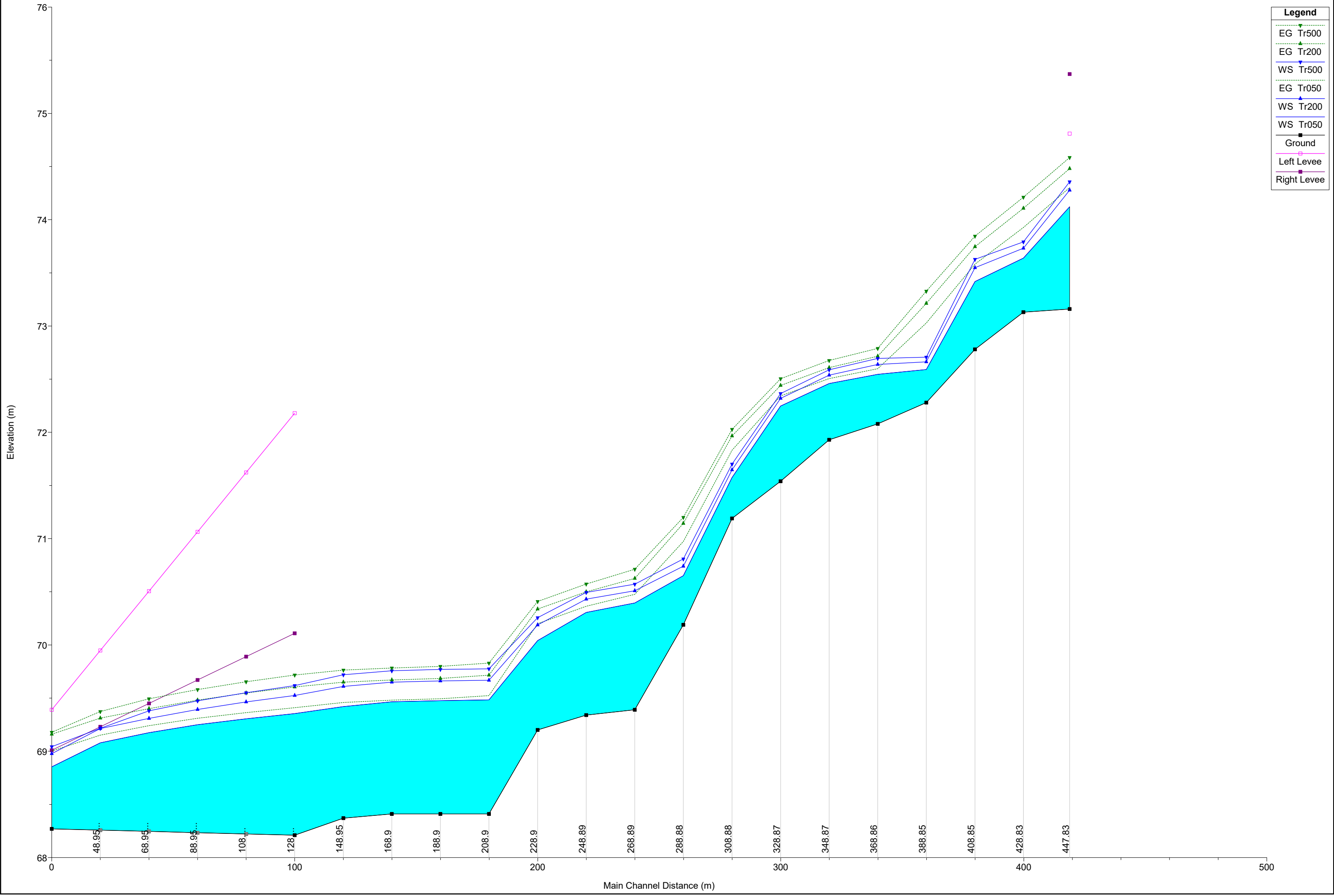
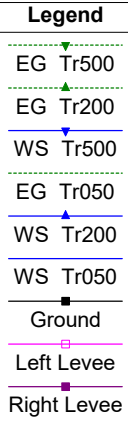


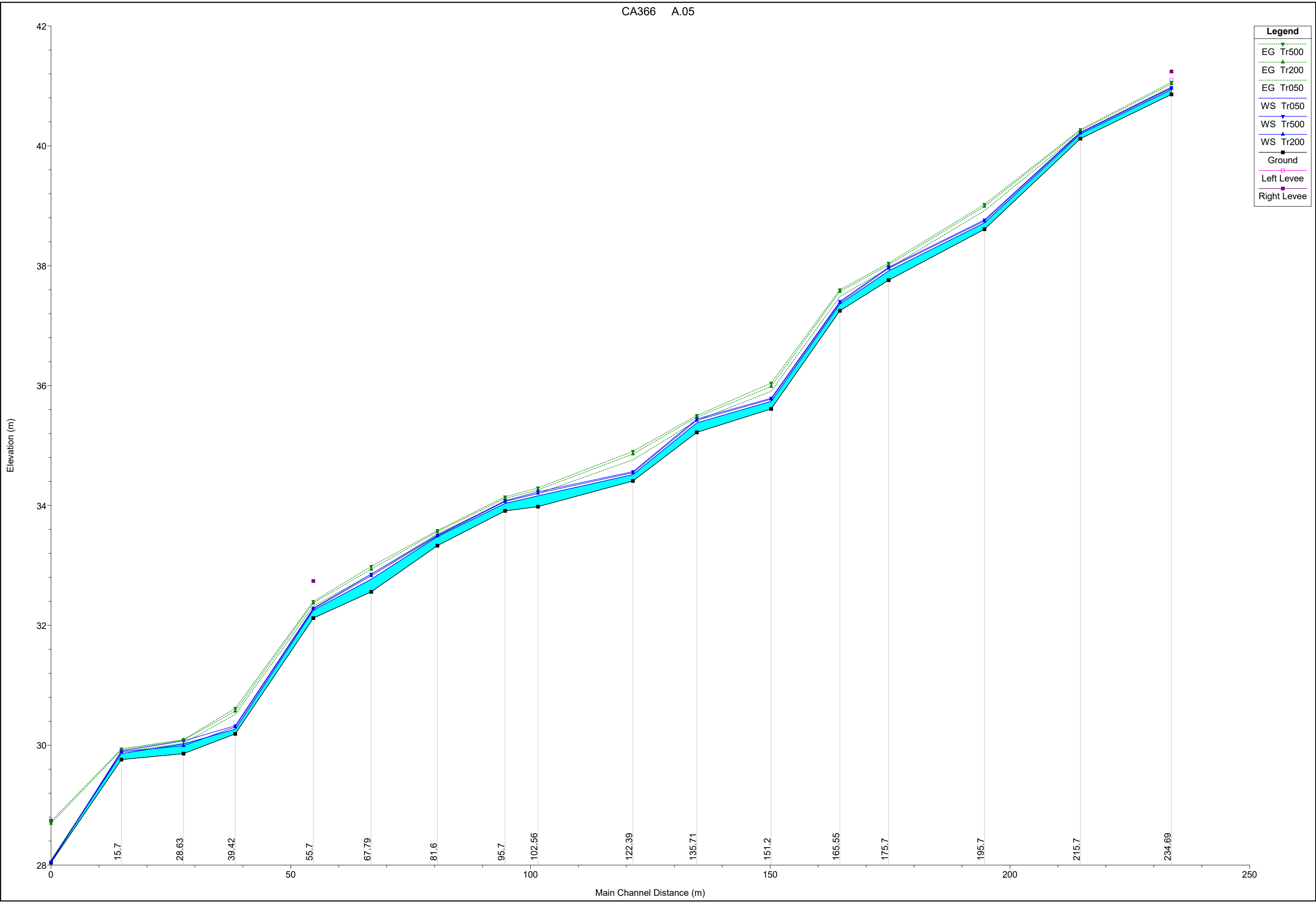
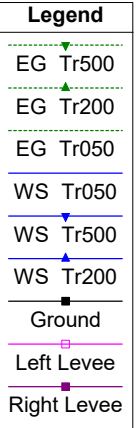


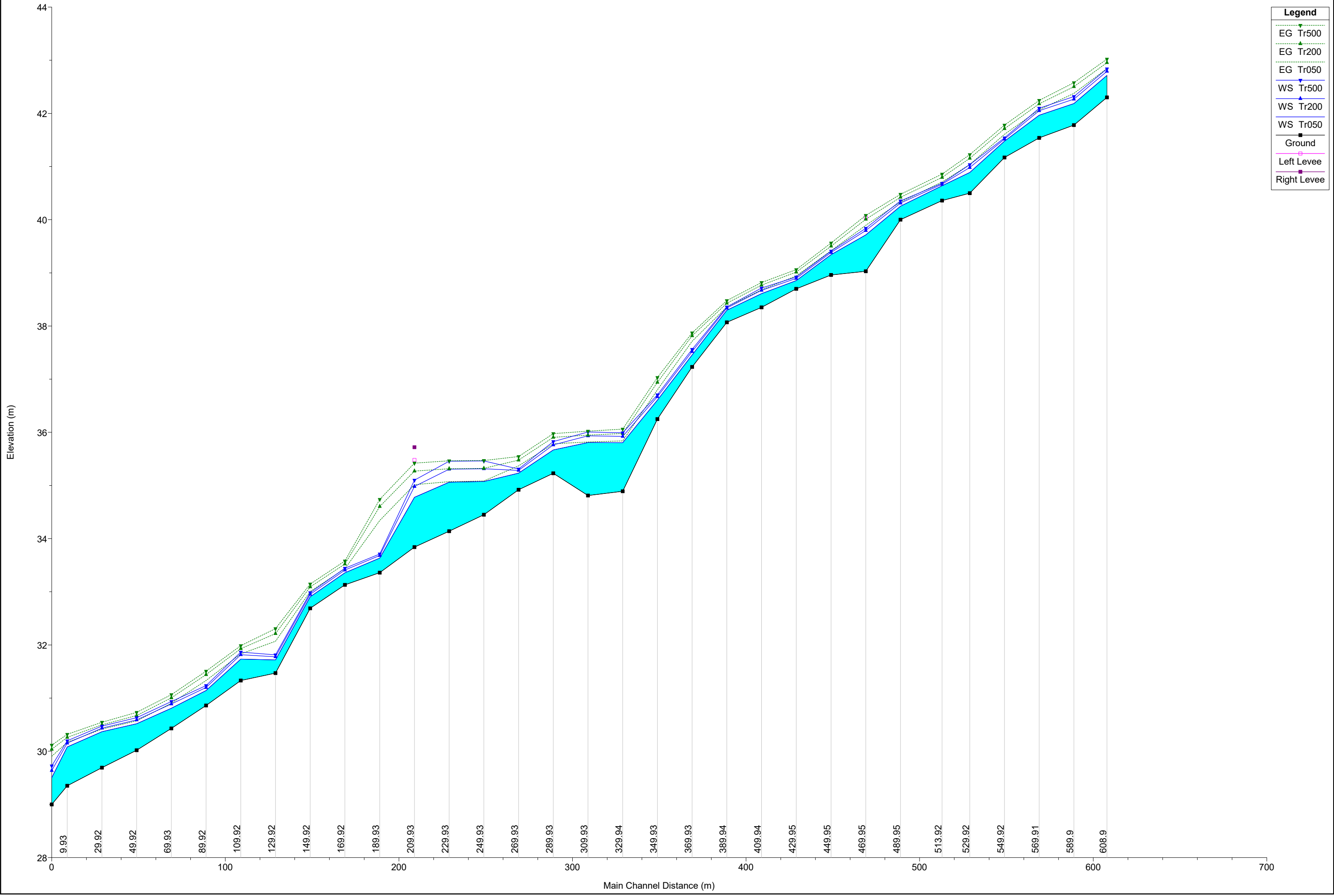
Legend

- EG Tr500
- EG Tr200
- EG Tr050
- WS Tr500
- WS Tr200
- WS Tr050
- Ground
- Right Levee



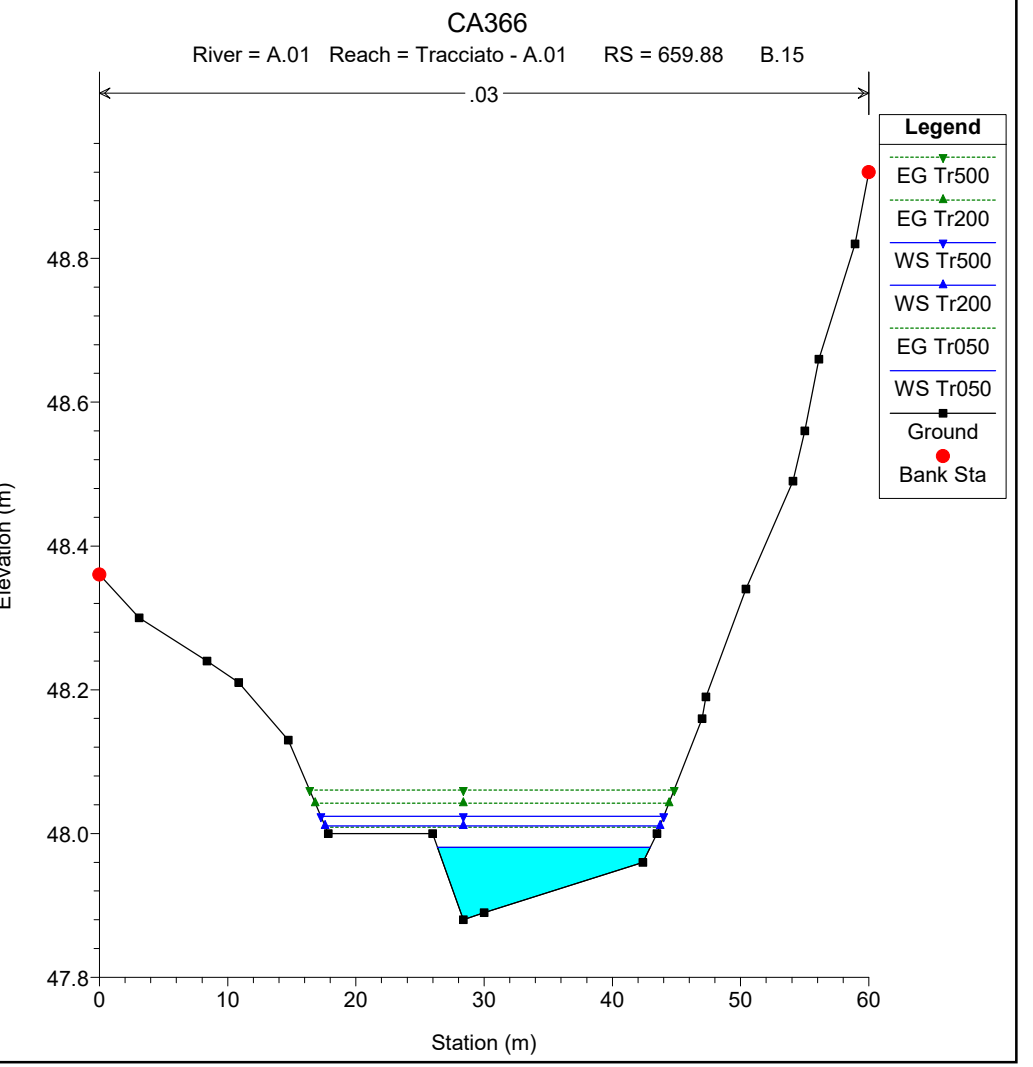
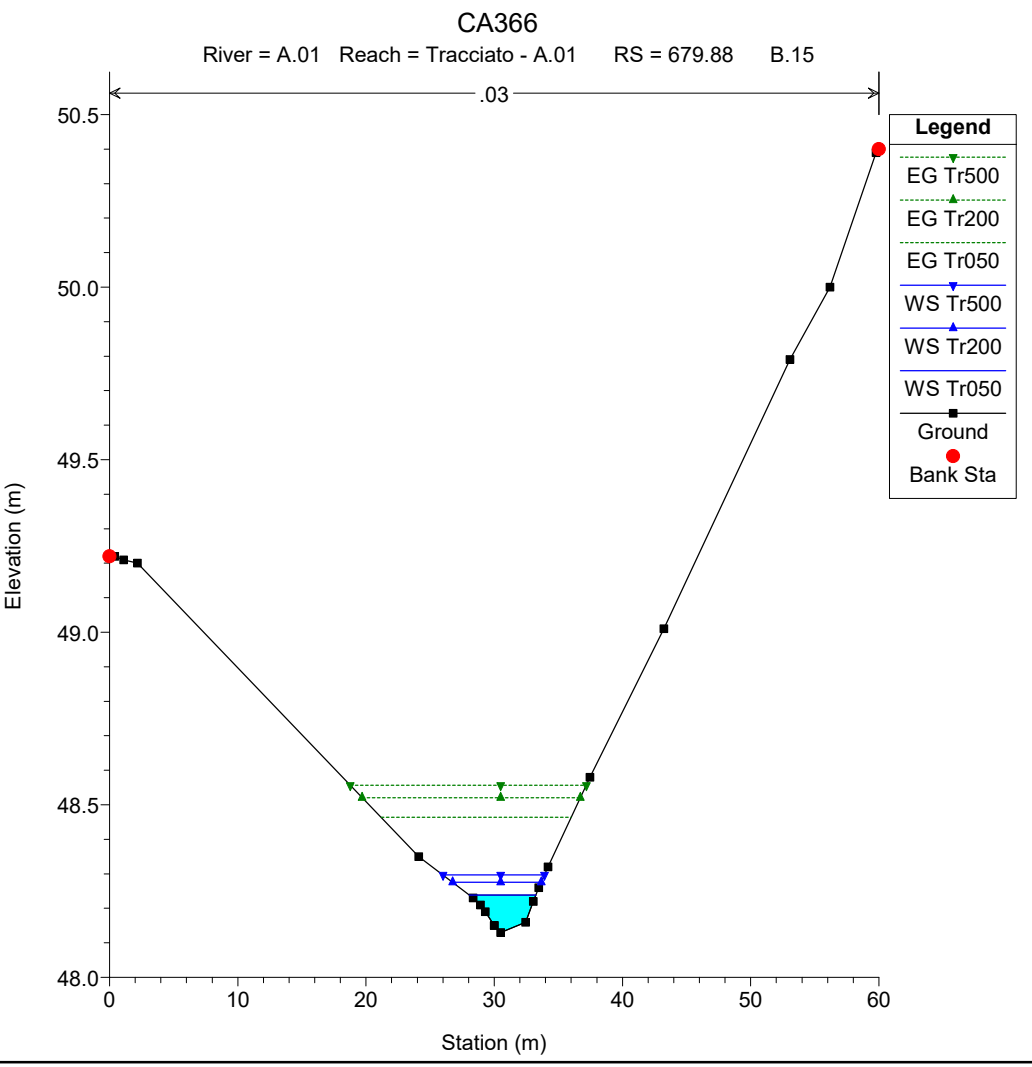
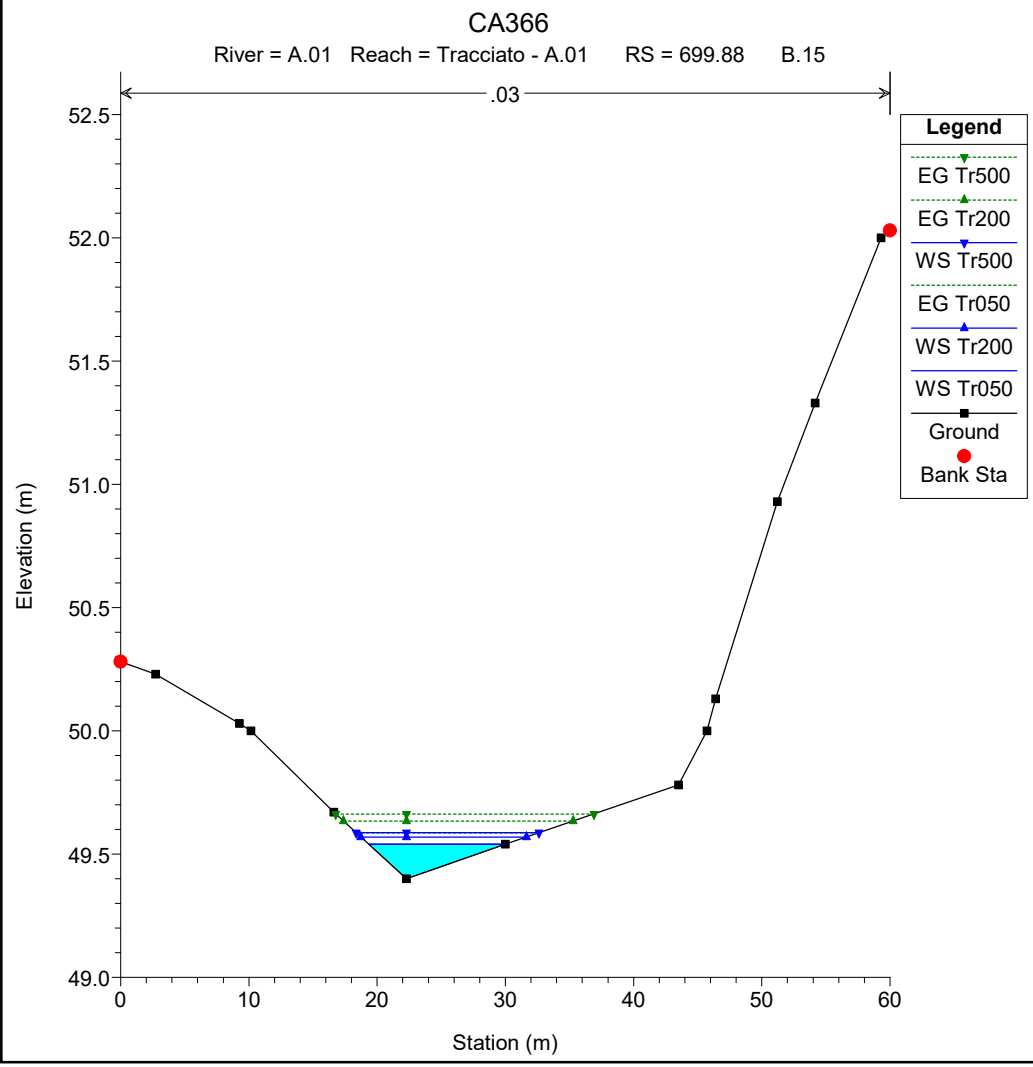
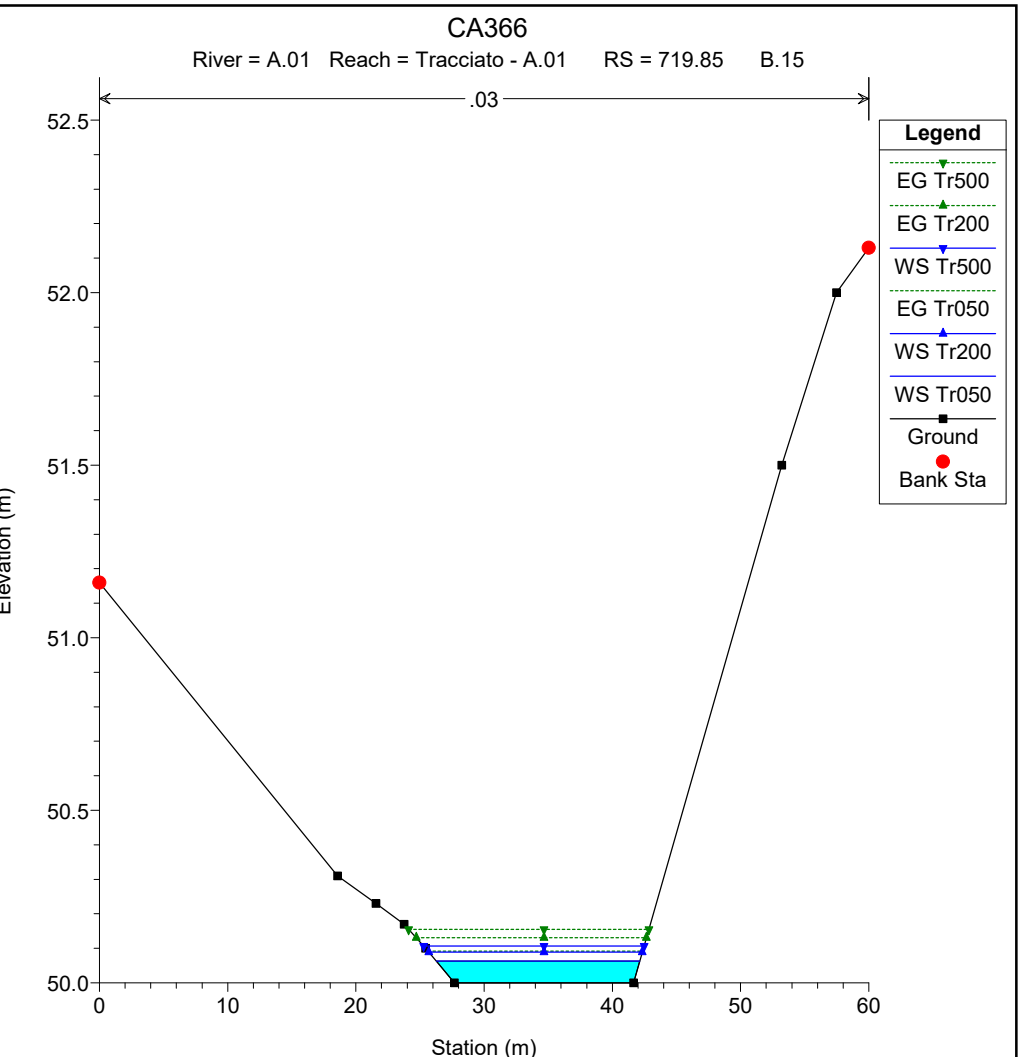
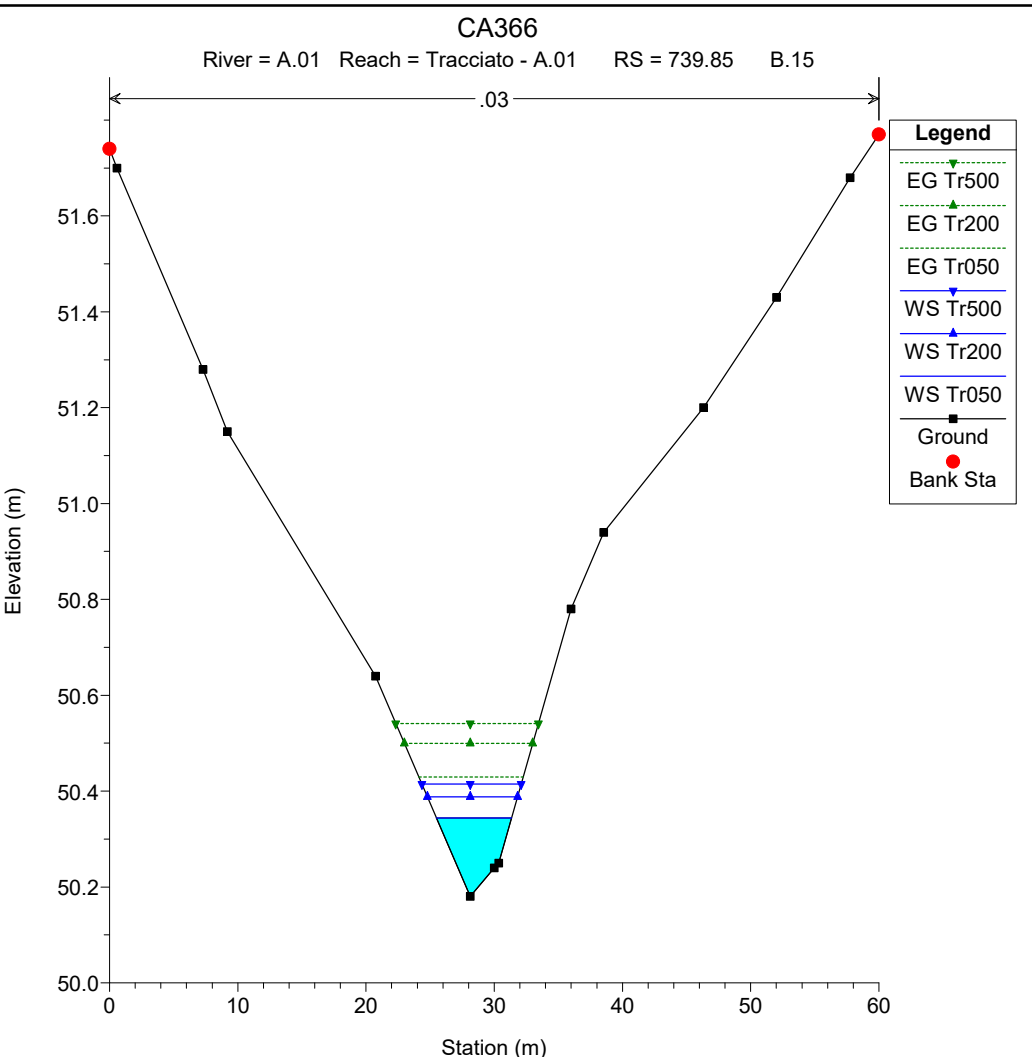
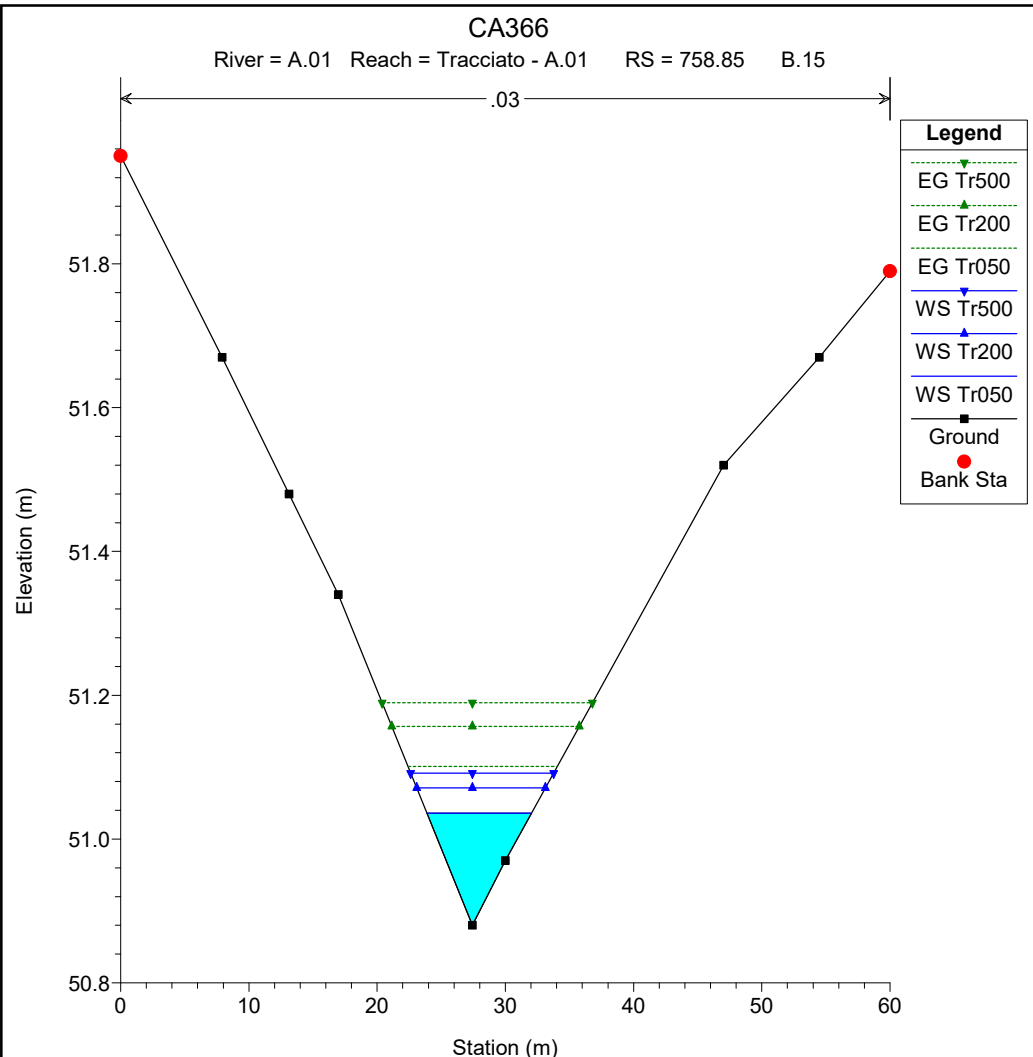


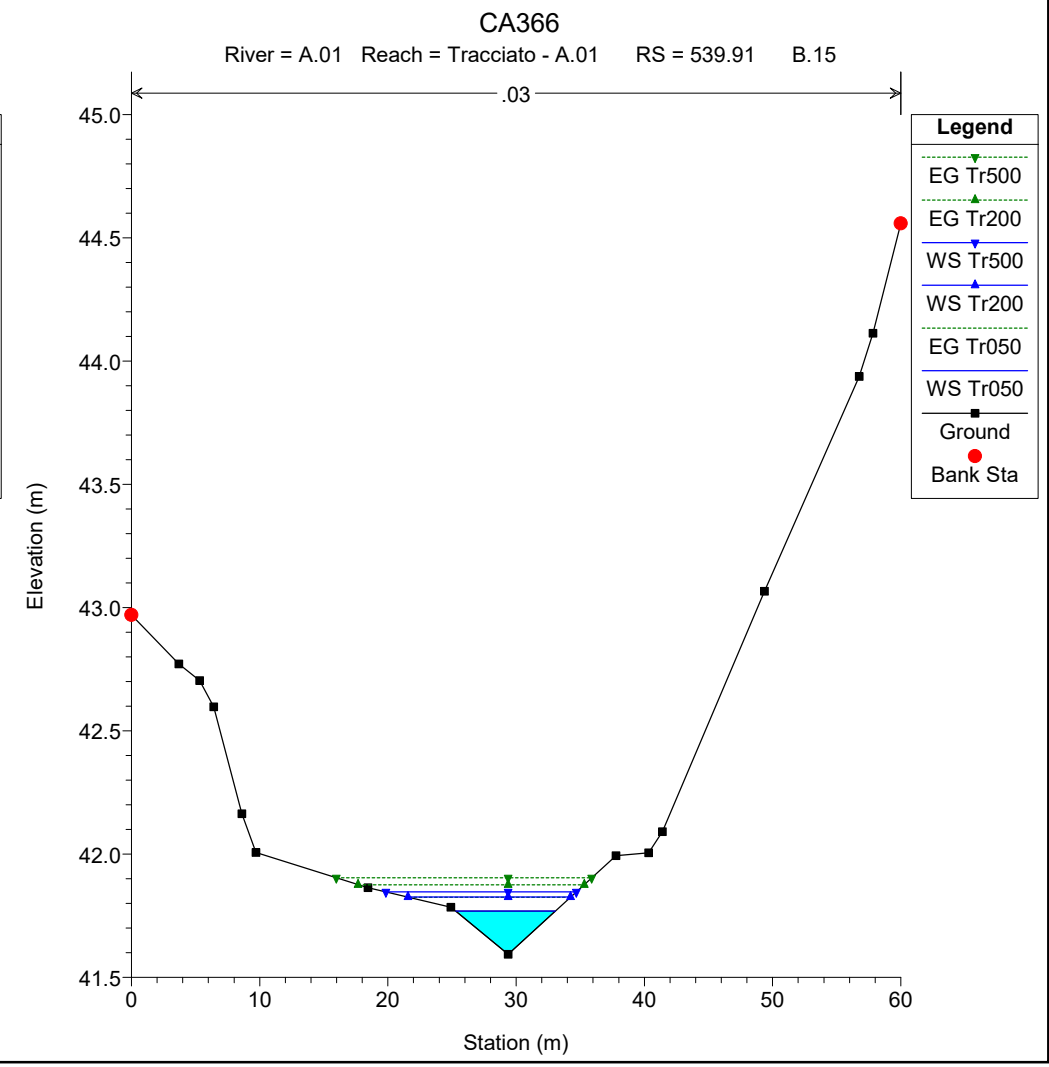
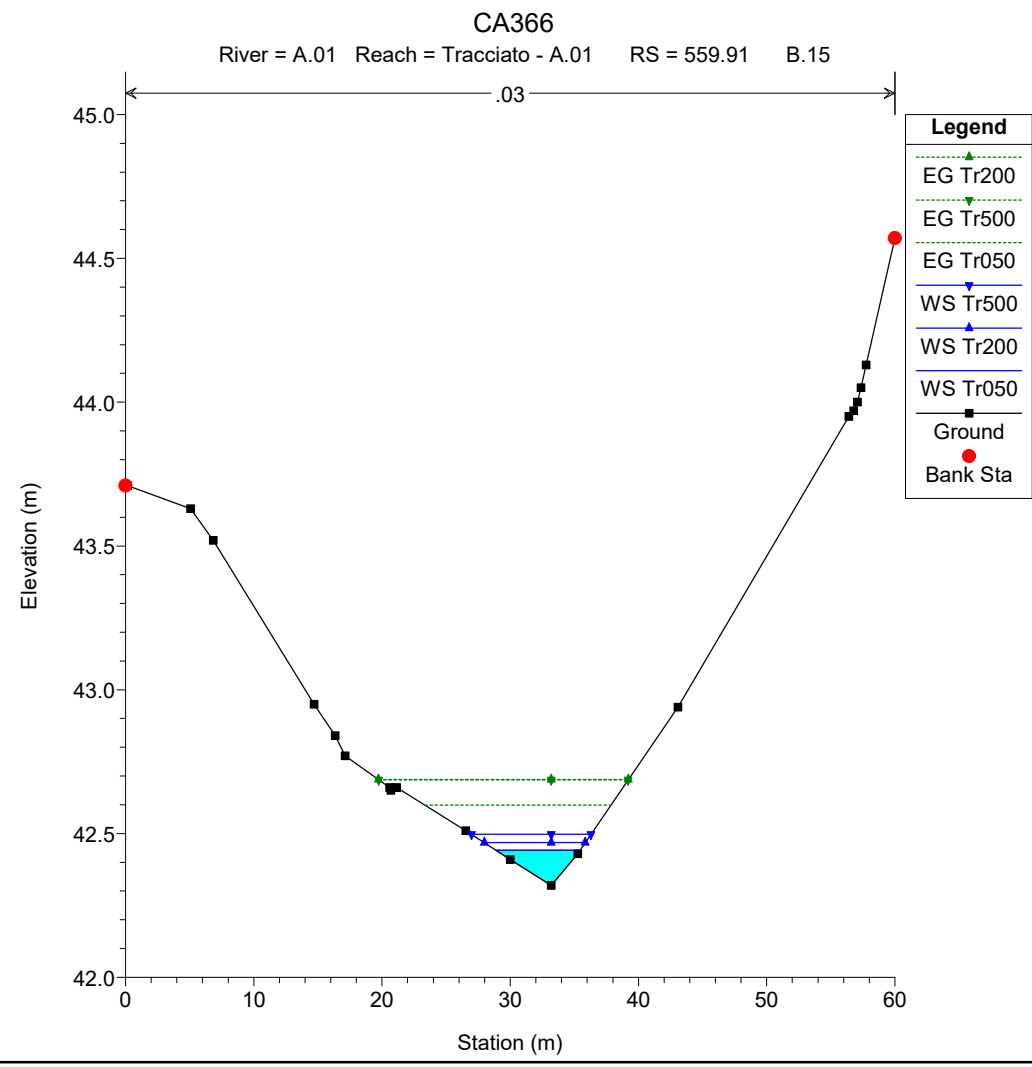
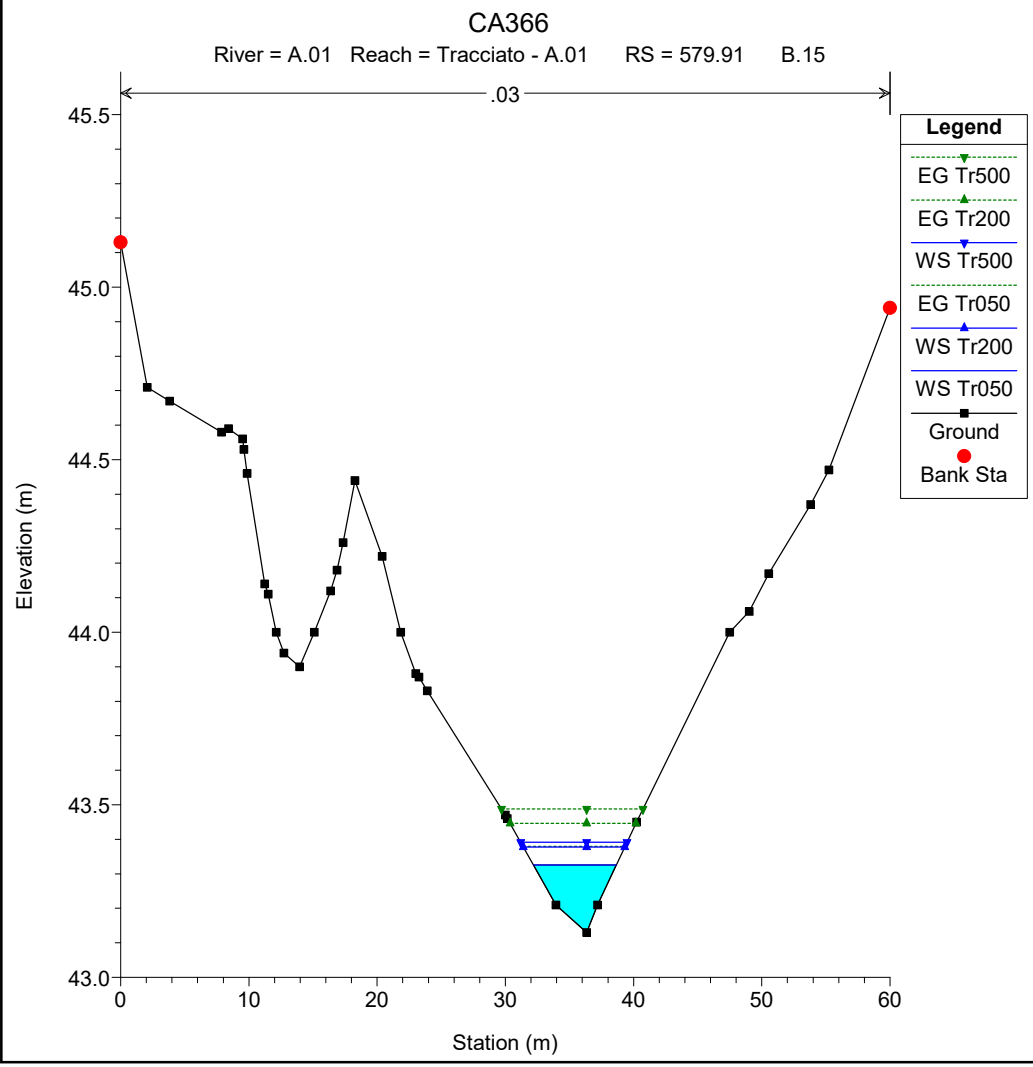
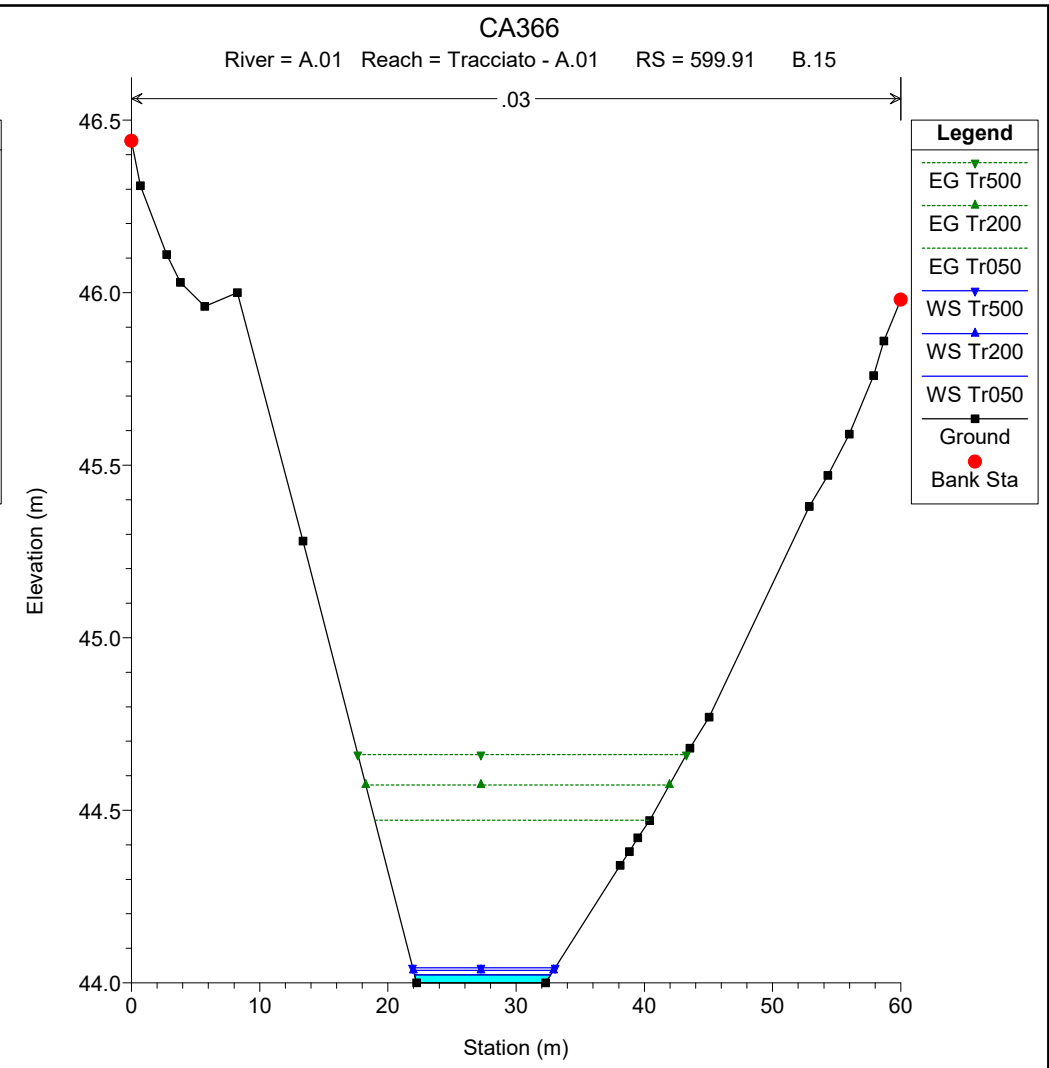
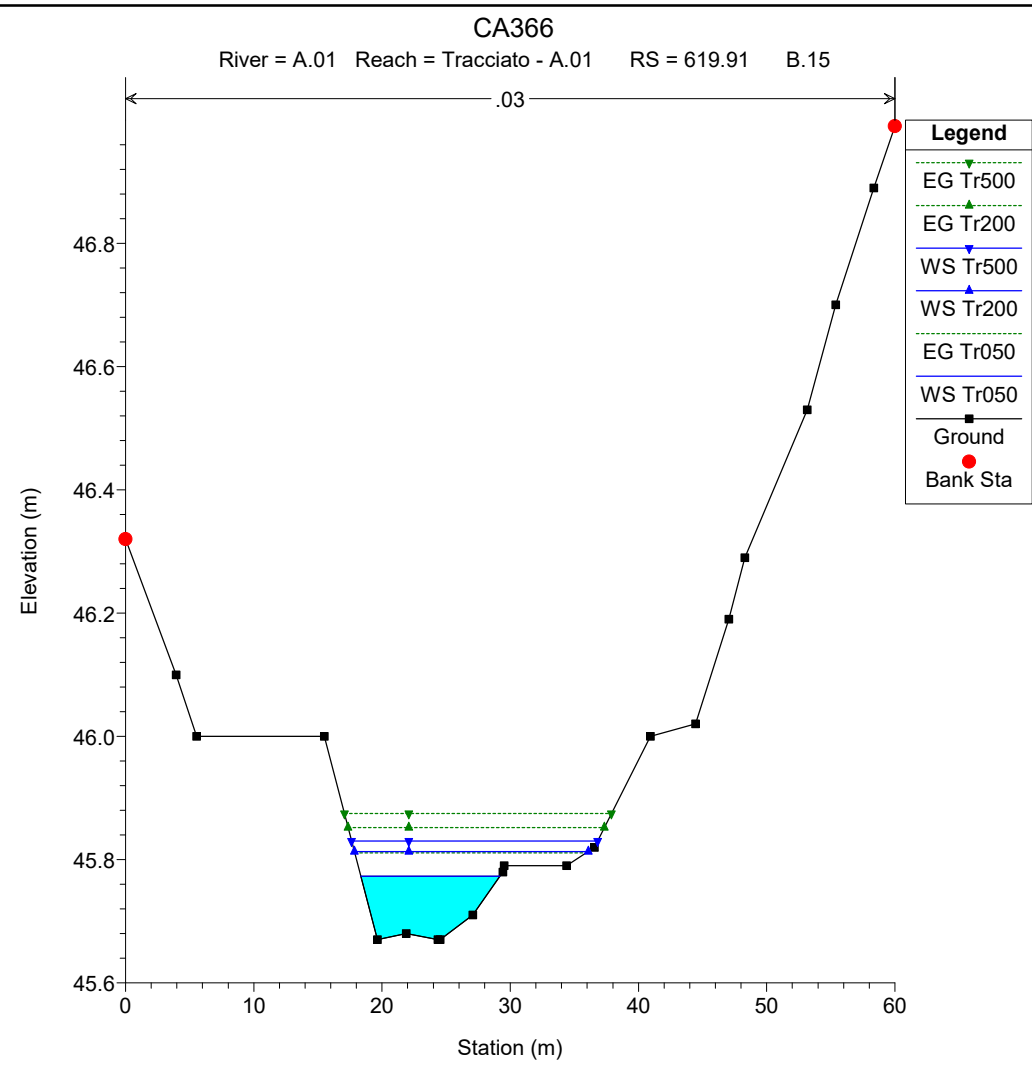
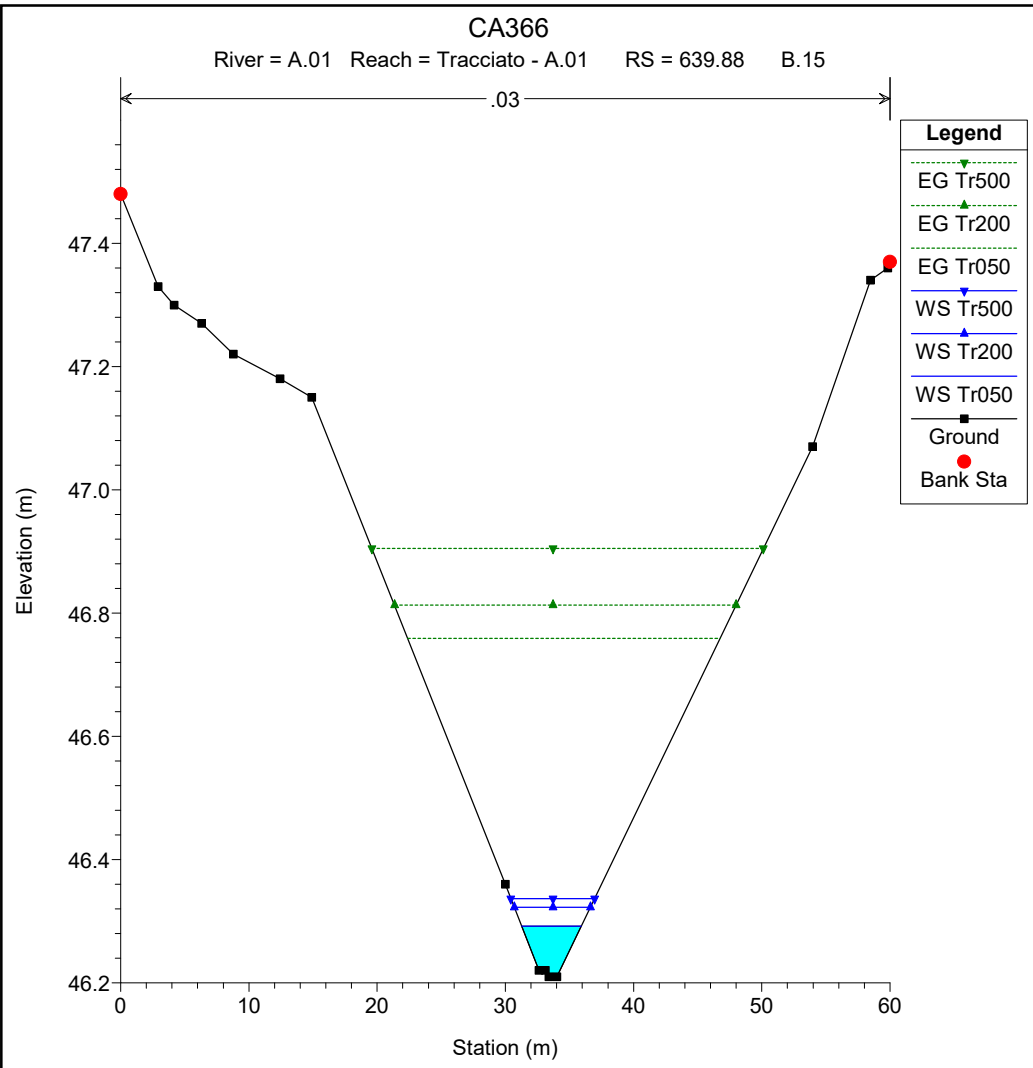


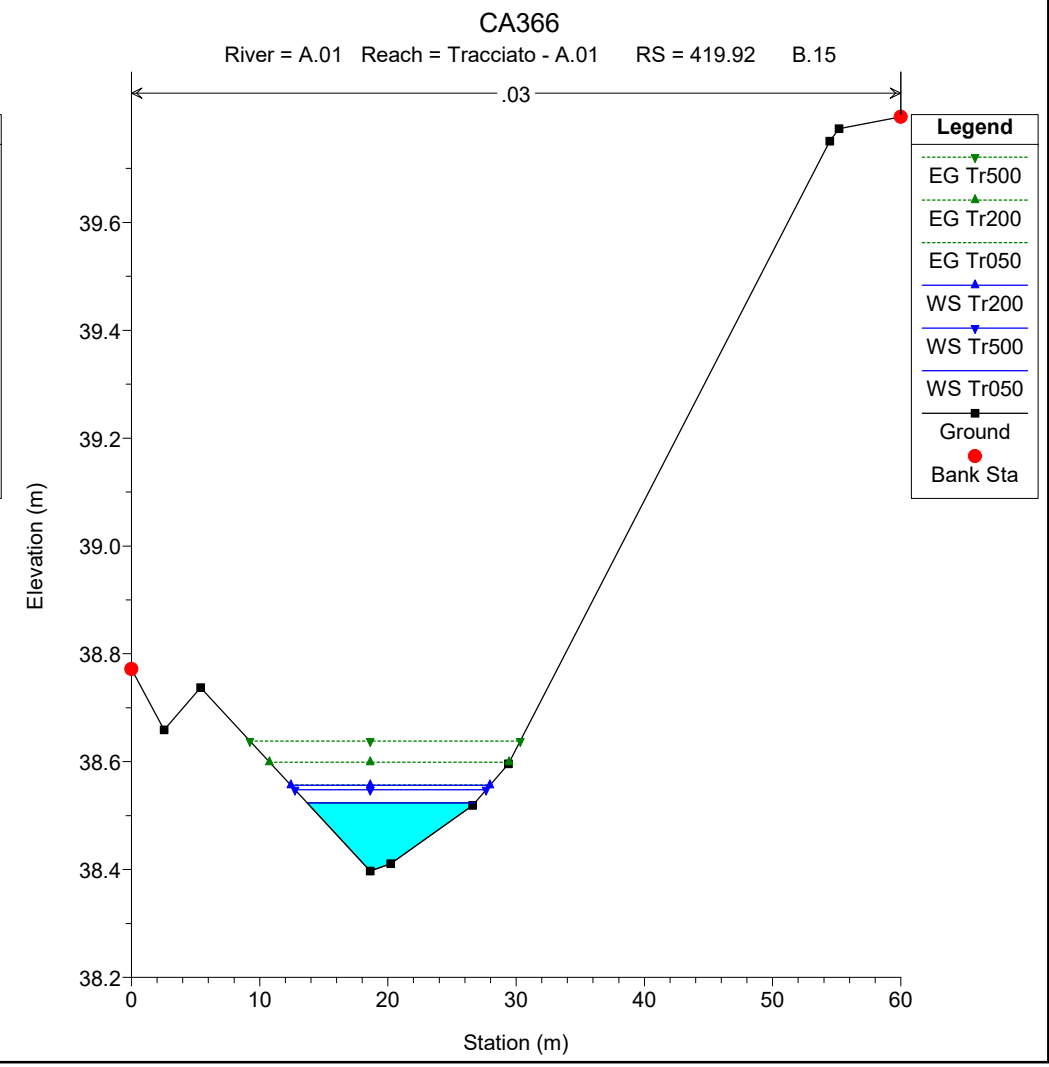
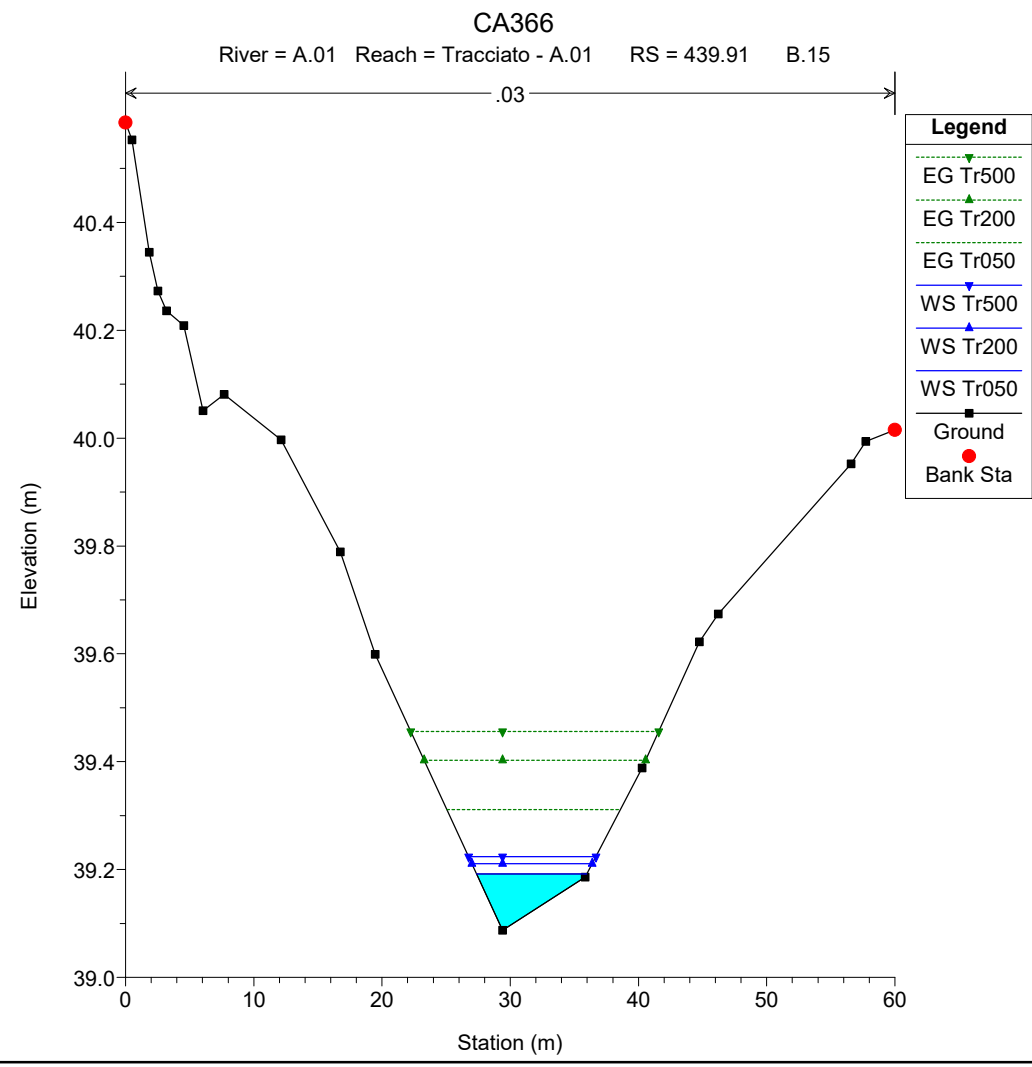
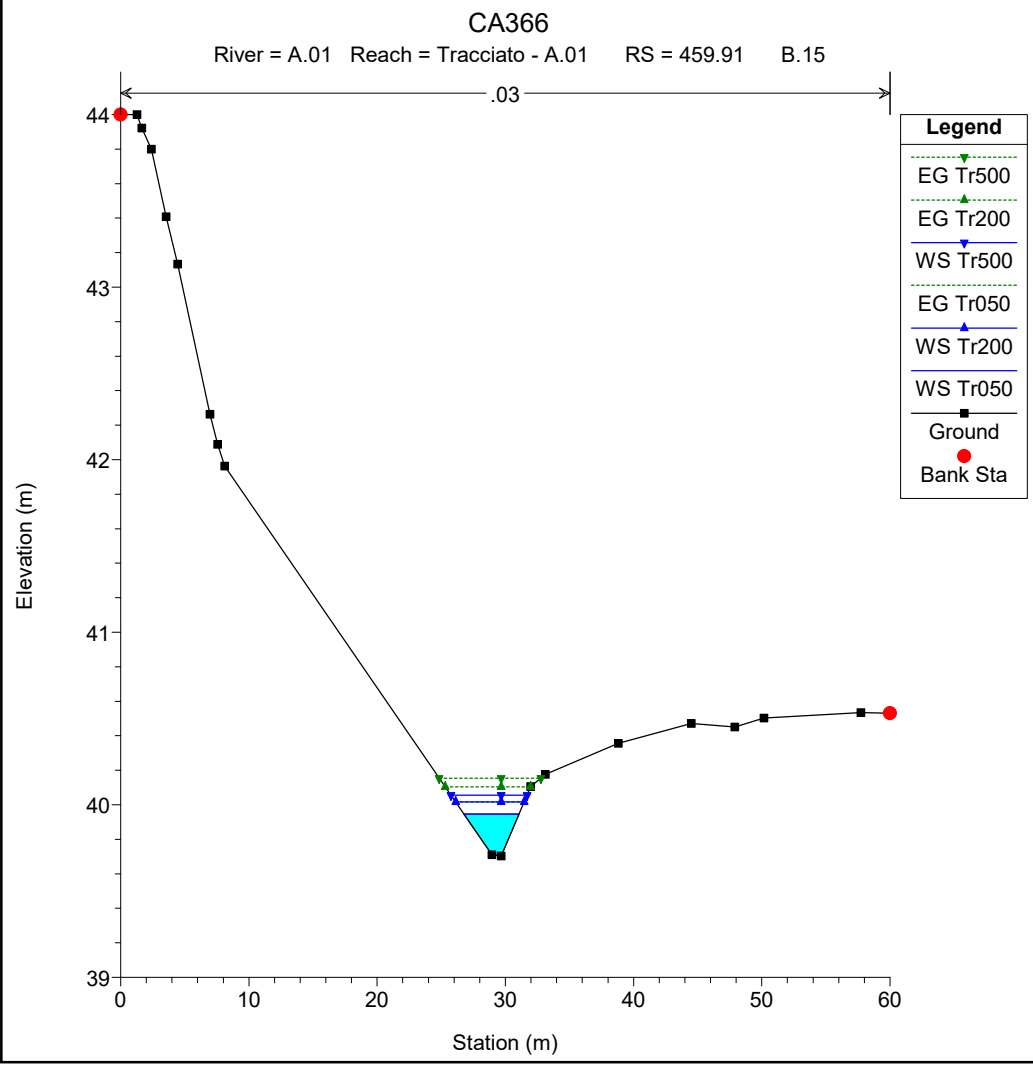
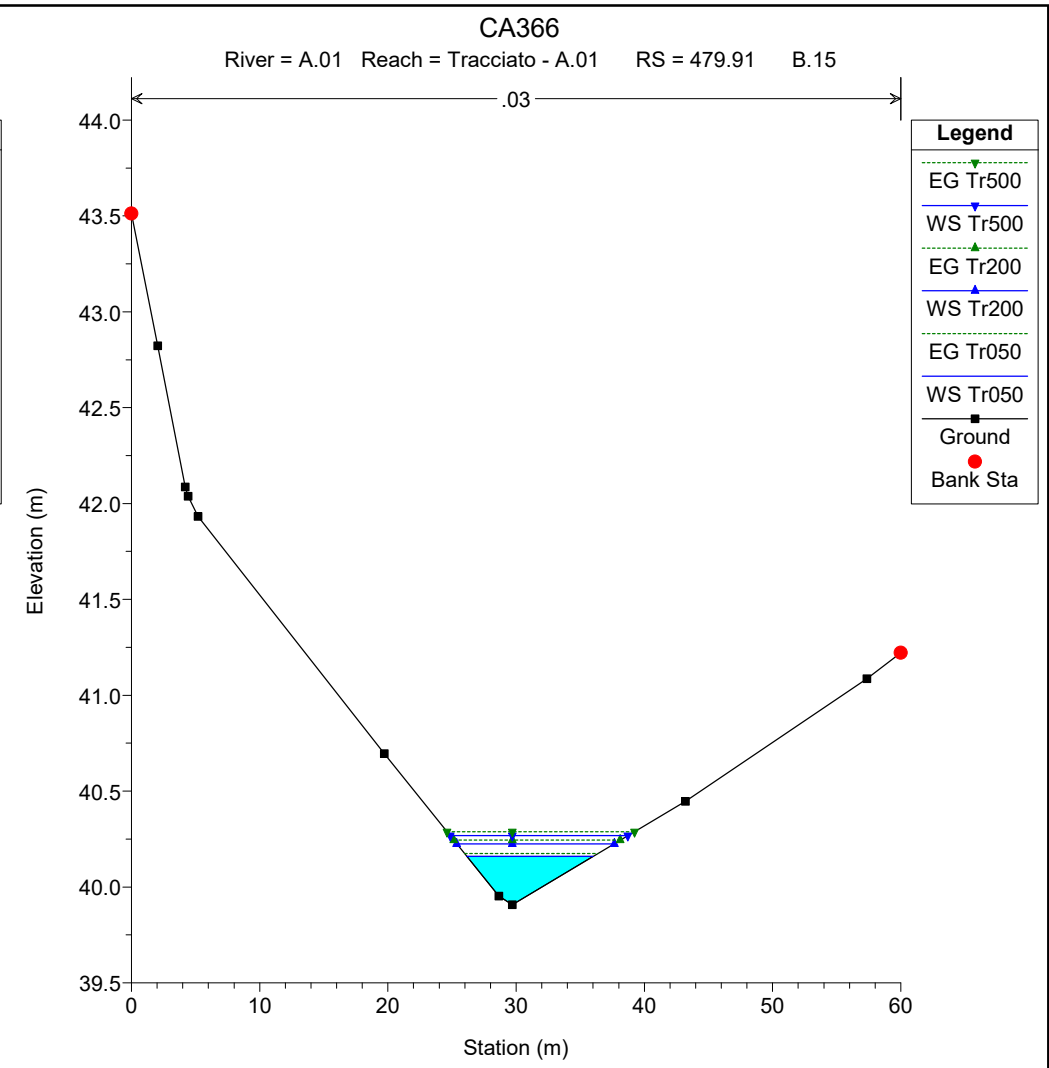
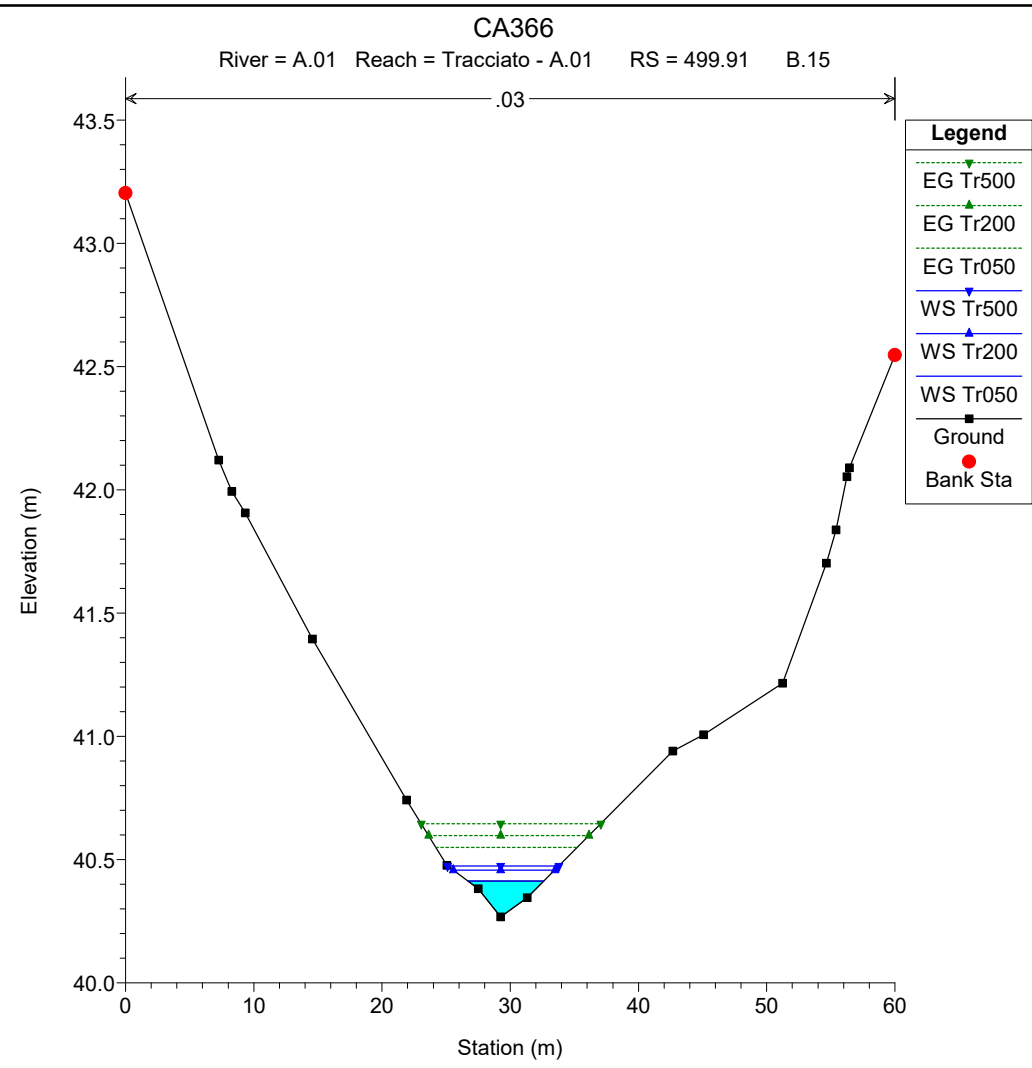
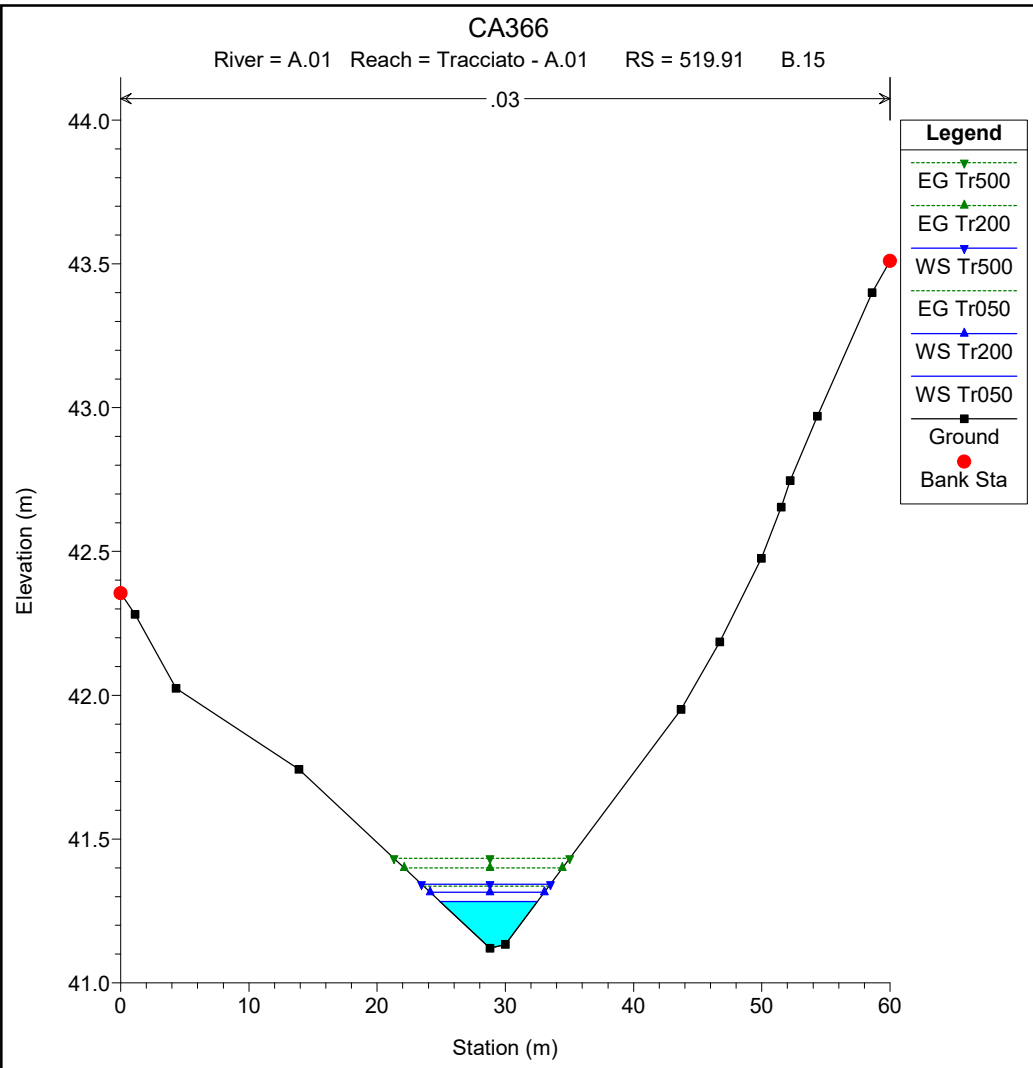


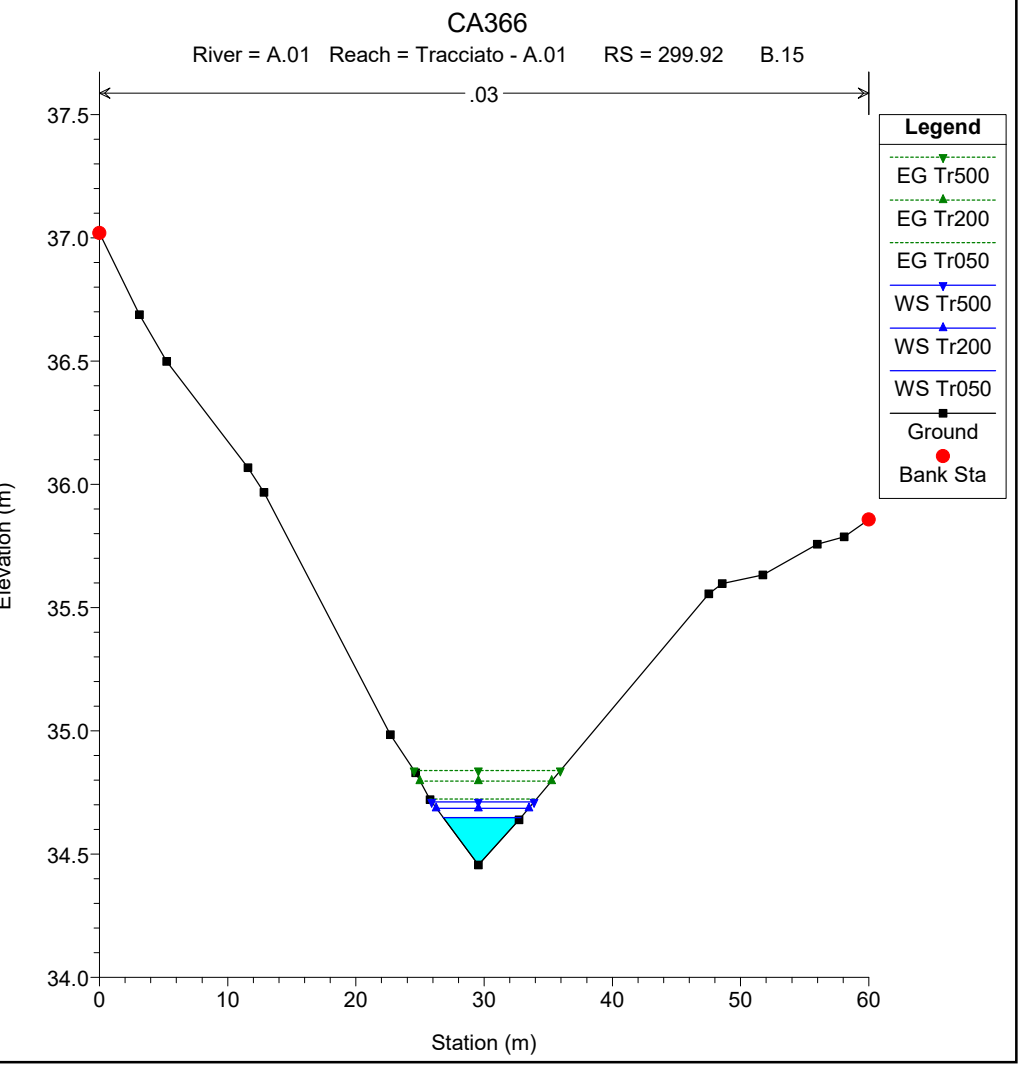
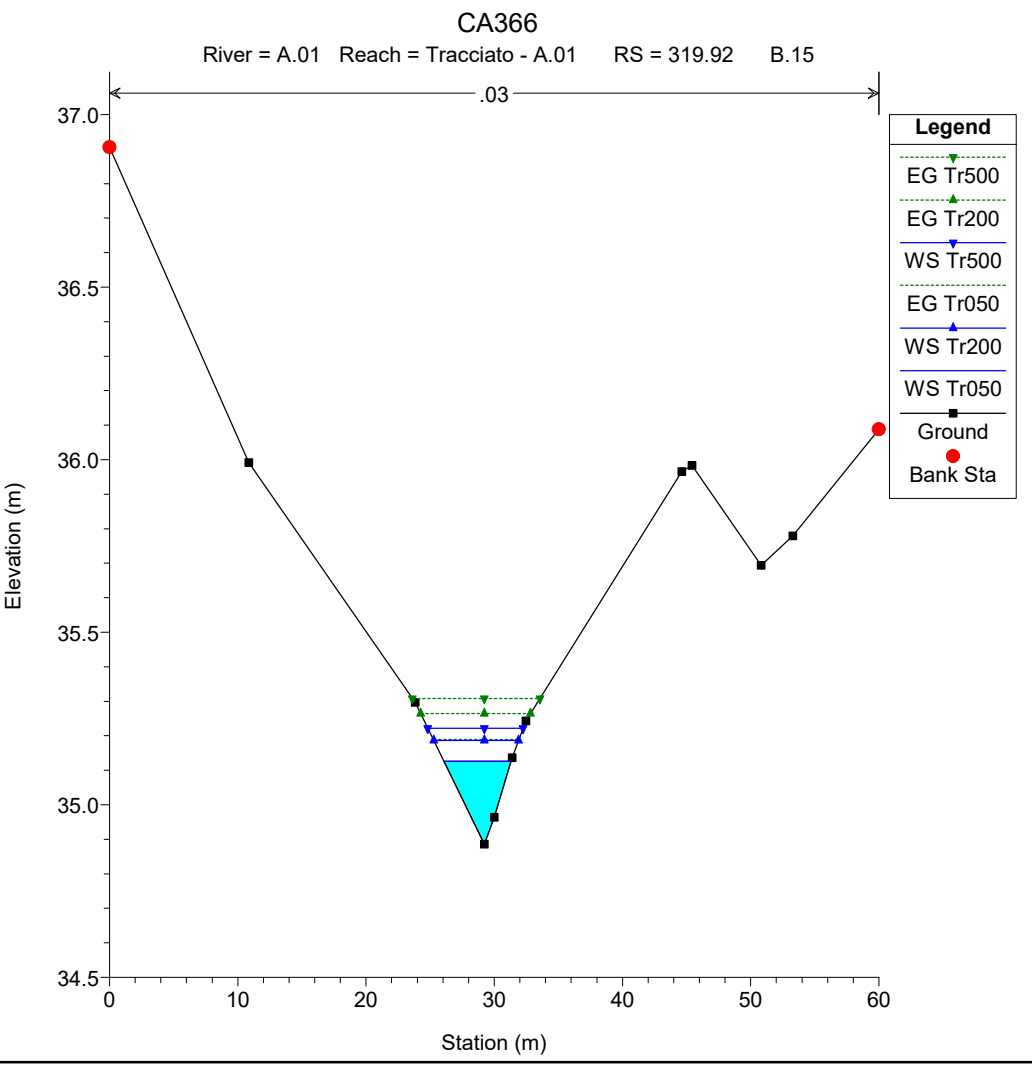
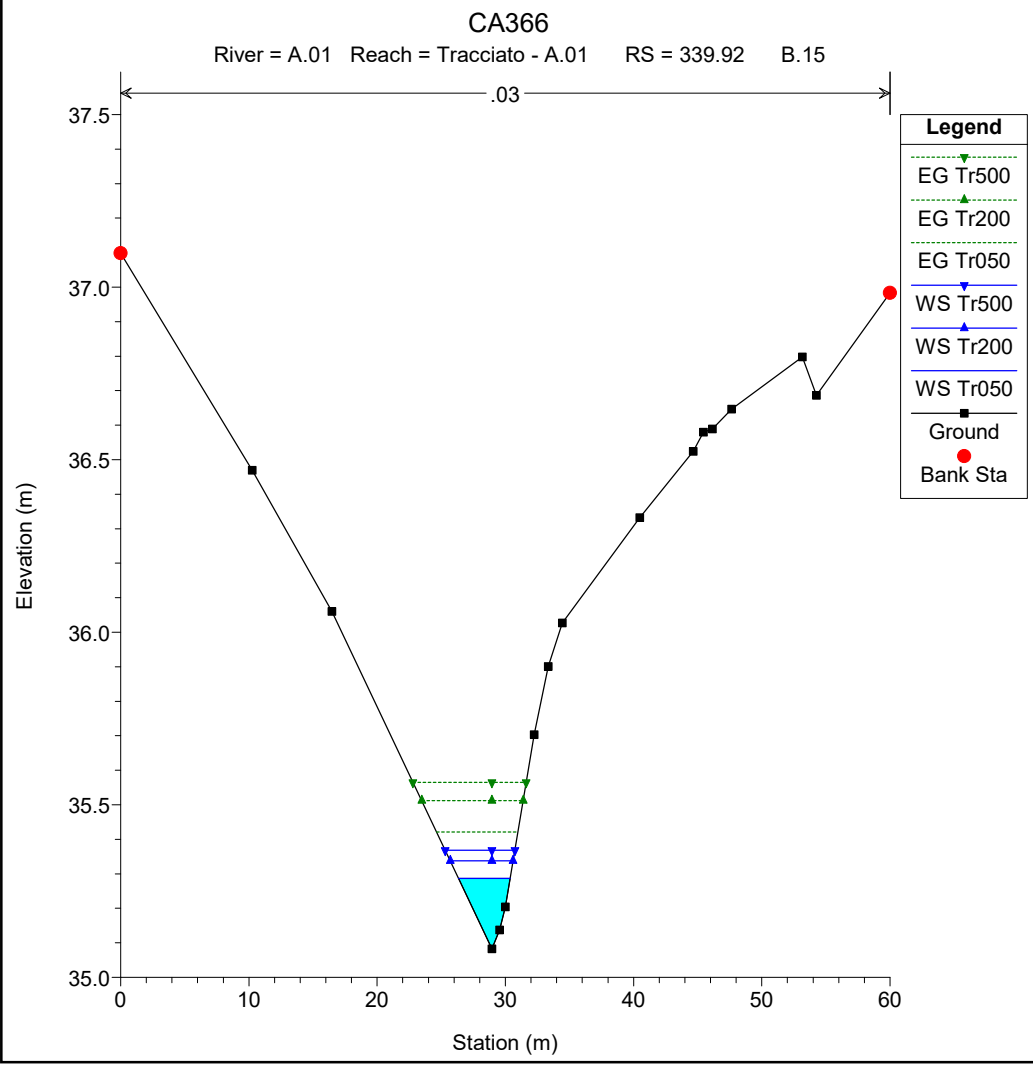
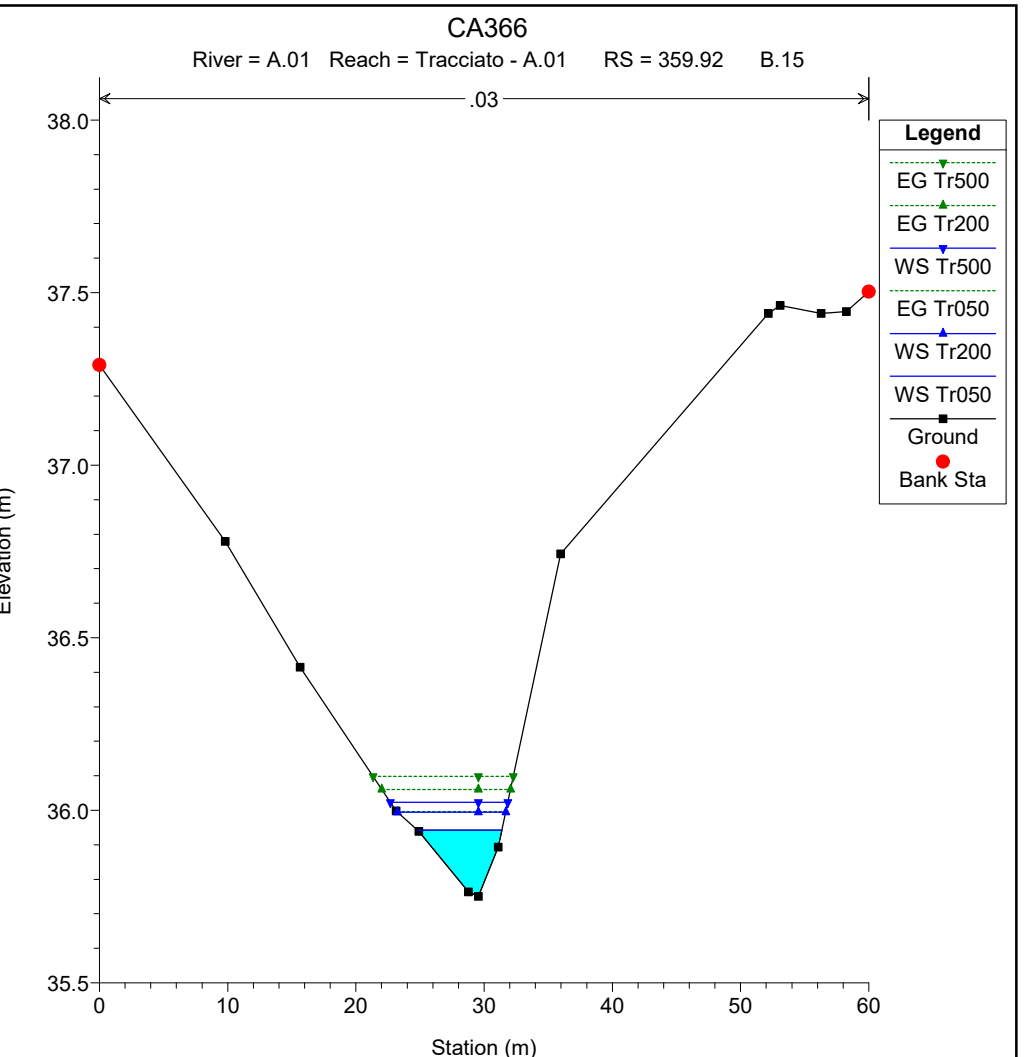
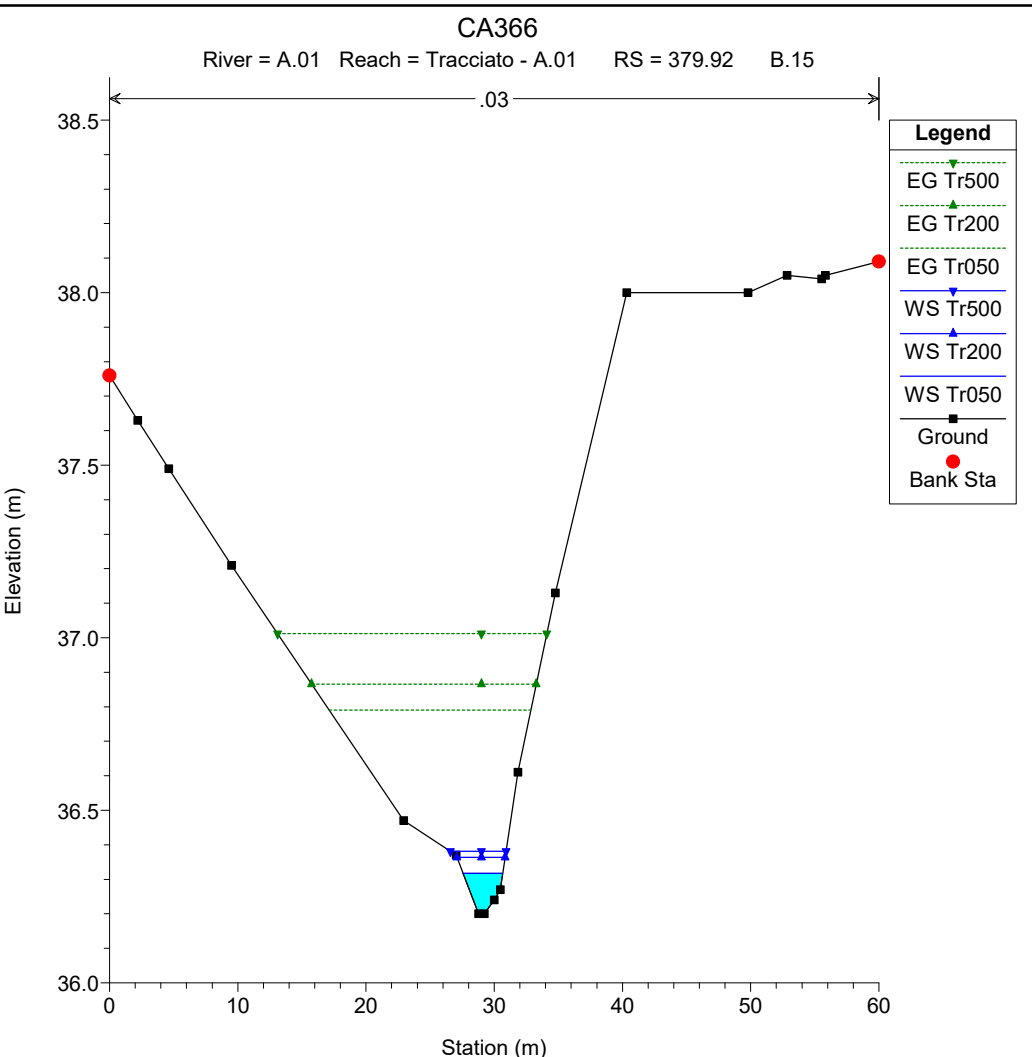
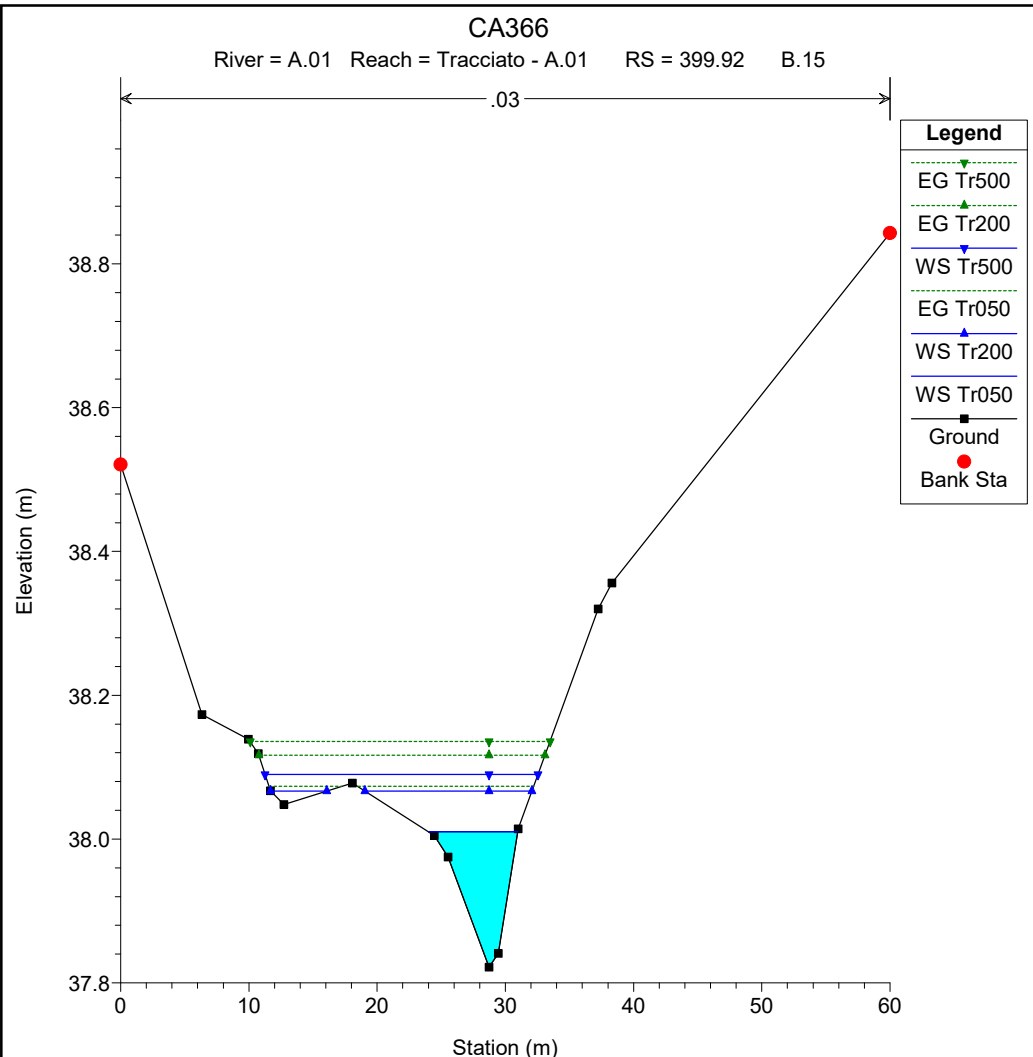
River	Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Crit W.S. (m)	Frctn Loss (m)	C & E Loss (m)	Top Width (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Vel Chnl (m/s)
B.19.bis	Tracciato - B.19	81.23	Tr050	35.67	34.80	35.07	0.21	0.00	3.38		6.30		4.13
B.19.bis	Tracciato - B.19	81.23	Tr200	35.85	35.02	35.28	0.16	0.01	4.06		9.53		4.02
B.19.bis	Tracciato - B.19	81.23	Tr500	35.95	35.17	35.42	0.13	0.01	4.51		11.77		3.91
B.19.bis	Tracciato - B.19	75.23	Tr050	35.45	34.58	34.85	0.03	0.02	3.37		6.30		4.14
B.19.bis	Tracciato - B.19	75.23	Tr200	35.68	34.78	35.07	0.03	0.02	3.97		9.53		4.22
B.19.bis	Tracciato - B.19	75.23	Tr500	35.81	34.91	35.19	0.02	0.02	4.36		11.77		4.21
B.19.bis	Tracciato - B.19	75 BR U	Tr050	35.39	34.60	34.85	0.59	0.01	3.43		6.30		3.95
B.19.bis	Tracciato - B.19	75 BR U	Tr200	35.64	34.80	35.07	0.50	0.03	4.04		9.53		4.05
B.19.bis	Tracciato - B.19	75 BR U	Tr500	35.77	34.93	35.20	0.45	0.03	4.43		11.77		4.05
B.19.bis	Tracciato - B.19	75 BR D	Tr050	34.82	33.85	34.15	0.04	0.02	3.31		6.30		4.36
B.19.bis	Tracciato - B.19	75 BR D	Tr200	35.11	34.02	34.37	0.03	0.02	3.84		9.53		4.62
B.19.bis	Tracciato - B.19	75 BR D	Tr500	35.29	34.12	34.49	0.03	0.02	4.13		11.77		4.78
B.19.bis	Tracciato - B.19	56.23	Tr050	34.76	33.87	34.15	0.73	0.00	3.37		6.30		4.17
B.19.bis	Tracciato - B.19	56.23	Tr200	35.06	34.04	34.37	0.68	0.01	3.89		9.53		4.46
B.19.bis	Tracciato - B.19	56.23	Tr500	35.23	34.14	34.49	0.65	0.01	4.19		11.77		4.63
B.19.bis	Tracciato - B.19	36.23	Tr050	34.02	33.13	33.41	0.79	0.04	3.37		6.30		4.18
B.19.bis	Tracciato - B.19	36.23	Tr200	34.37	33.28	33.63	0.79	0.03	3.84		9.53		4.61
B.19.bis	Tracciato - B.19	36.23	Tr500	34.57	33.38	33.75	0.78	0.03	4.11		11.77		4.84
A.16	Tracciato - A.16	131.74	Tr050	5.38	5.03	5.03	0.24	0.02	3.46		6.36		2.62
A.16	Tracciato - A.16	131.74	Tr200	5.72	5.29	5.29	0.04	0.12	3.98		9.82		2.89
A.16	Tracciato - A.16	131.74	Tr500	5.81	5.77	5.45	0.01	0.01	26.96	5.56	6.00	0.74	1.09
A.16	Tracciato - A.16	111.74	Tr050	5.11	4.56	4.71	0.02	0.06	3.15		6.36		3.30
A.16	Tracciato - A.16	111.74	Tr200	5.47	5.43	4.97	0.00	0.00	24.39	4.06	5.61	0.15	1.04
A.16	Tracciato - A.16	111.74	Tr500	5.79	5.77	5.13	0.00	0.00	31.16	6.55	5.15	0.60	0.74
A.16	Tracciato - A.16	110 BR U	Tr050	5.08	4.60	4.71	0.27	0.01	3.24		6.36		3.07
A.16	Tracciato - A.16	110 BR U	Tr200	5.46	5.42	4.97	0.01	0.00	24.35	4.05	5.62	0.15	1.05
A.16	Tracciato - A.16	110 BR U	Tr500	5.79	5.77	5.13	0.00	0.00	31.15	6.55	5.15	0.60	0.74
A.16	Tracciato - A.16	110 BR D	Tr050	4.93	4.81	4.36			4.36		6.36		1.52
A.16	Tracciato - A.16	110 BR D	Tr200	5.45	5.39	4.62	0.00	0.00	16.67	0.23	8.03	1.56	1.17
A.16	Tracciato - A.16	110 BR D	Tr500	5.79	5.75	4.78	0.00	0.00	27.60	1.01	8.11	3.18	0.95
A.16	Tracciato - A.16	89.74	Tr050	4.92	4.80	4.36	0.01	0.03	4.34		6.36		1.53
A.16	Tracciato - A.16	89.74	Tr200	5.45	5.39	4.62	0.00	0.05	16.59	0.22	8.07	1.53	1.18
A.16	Tracciato - A.16	89.74	Tr500	5.78	5.75	4.78	0.00	0.06	27.56	1.00	8.14	3.16	0.96
A.16	Tracciato - A.16	86.52	Tr050	4.88	4.46	4.36	0.01	0.01	3.77		6.36		2.87
A.16	Tracciato - A.16	86.52	Tr200	5.39	4.83	4.70	0.01	0.01	5.03		9.82		3.32
A.16	Tracciato - A.16	86.52	Tr500	5.72	5.05	4.92	0.01	0.01	9.09		12.30		3.62
A.16	Tracciato - A.16	72 BR U	Tr050	4.87	4.36	4.36	0.05	0.04	2.01		6.36		3.15
A.16	Tracciato - A.16	72 BR U	Tr200	5.38	4.70	4.70	0.05	0.05	2.01		9.82		3.64
A.16	Tracciato - A.16	72 BR U	Tr500	5.70	4.92	4.92	0.05	0.05	2.01		12.30		3.92
A.16	Tracciato - A.16	72 BR D	Tr050	4.73	3.91	4.13			2.01		6.36		4.01
A.16	Tracciato - A.16	72 BR D	Tr200	5.25	4.21	4.47			2.01		9.82		4.53
A.16	Tracciato - A.16	72 BR D	Tr500	5.58	4.40	4.69			2.01		12.30		4.82
A.16	Tracciato - A.16	71.74	Tr050	4.64	4.13	4.13	0.22	0.04	3.58		6.36		3.15
A.16	Tracciato - A.16	71.74	Tr200	5.15	4.47	4.47	0.21	0.05	4.26		9.82		3.64
A.16	Tracciato - A.16	71.74	Tr500	5.47	4.69	4.69	0.01	0.23	31.01		12.30		3.92
A.16	Tracciato - A.16	54.84	Tr050	4.38	3.52	3.80	0.39	0.14	2.90		6.36		4.11
A.16	Tracciato - A.16	54.84	Tr200	4.88	3.68	4.06	0.47	0.18	3.21		9.82		4.85
A.16	Tracciato - A.16	54.84	Tr500	4.45	4.44	4.22	0.01	0.05	38.17	0.15	2.57	9.59	0.51
A.09_SP	Tracciato - A.09	139.47	Tr050	14.20	13.92	14.01	0.50	0.01	2.60		1.08		2.34
A.09_SP	Tracciato - A.09	139.47	Tr200	14.37	13.99	14.11	0.49	0.00	2.81		1.77		2.73
A.09_SP	Tracciato - A.09	139.47	Tr500	14.46	14.03	14.17	0.49	0.00	2.94		2.25		2.91
A.09_SP	Tracciato - A.09	129.47	Tr050	13.70	13.44	13.52	0.02	0.04	2.62		1.08		2.25
A.09_SP	Tracciato - A.09	129.47	Tr200	13.87	13.50	13.62	0.03	0.04	2.82		1.77		2.67
A.09_SP	Tracciato - A.09	129.47	Tr500	13.97	13.54	13.68	0.04	0.04	2.94		2.25		2.90
A.09_SP	Tracciato - A.09	128 BR U	Tr050	13.64	13.50	13.52	0.93	0.04	2.81		1.08		1.67
A.09_SP	Tracciato - A.09	128 BR U	Tr200	13.80	13.56	13.62	1.00	0.03	2.98		1.77		2.19
A.09_SP	Tracciato - A.09	128 BR U	Tr500	13.90	13.59	13.68	1.04	0.02	3.07		2.25		2.48
A.09_SP	Tracciato - A.09	128 BR D	Tr050	12.75	12.14	12.29	0.10	0.05	2.42		1.08		3.46
A.09_SP	Tracciato - A.09	128 BR D	Tr200	12.96	12.20	12.39	0.07	0.04	2.60		1.77		3.87
A.09_SP	Tracciato - A.09	128 BR D	Tr500	13.07	12.24	12.45	0.06	0.04	2.71		2.25		4.04
A.09_SP	Tracciato - A.09	104.47	Tr050	12.57	12.17	12.29	1.24	0.05	2.52		1.08		2.78
A.09_SP	Tracciato - A.09	104.47	Tr200	12.79	12.23	12.39	1.28	0.08	2.68		1.77		3.32
A.09_SP	Tracciato - A.09	104.47	Tr500	12.91	12.26	12.45	1.29	0.09	2.79		2.25		3.55
A.09_SP	Tracciato - A.09	80.47	Tr050	11.27	11.06	11.12	0.61	0.01	2.60		1.08		2.04

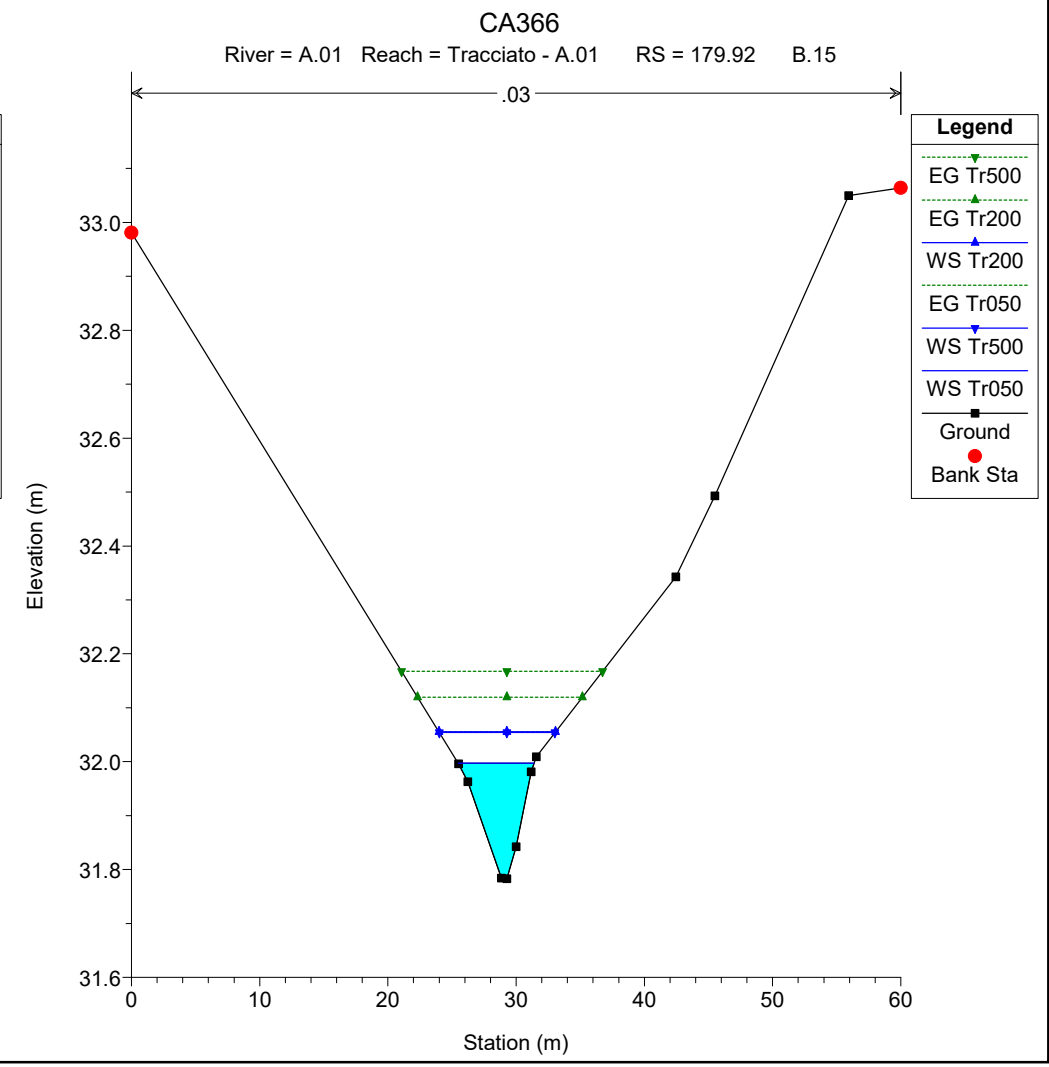
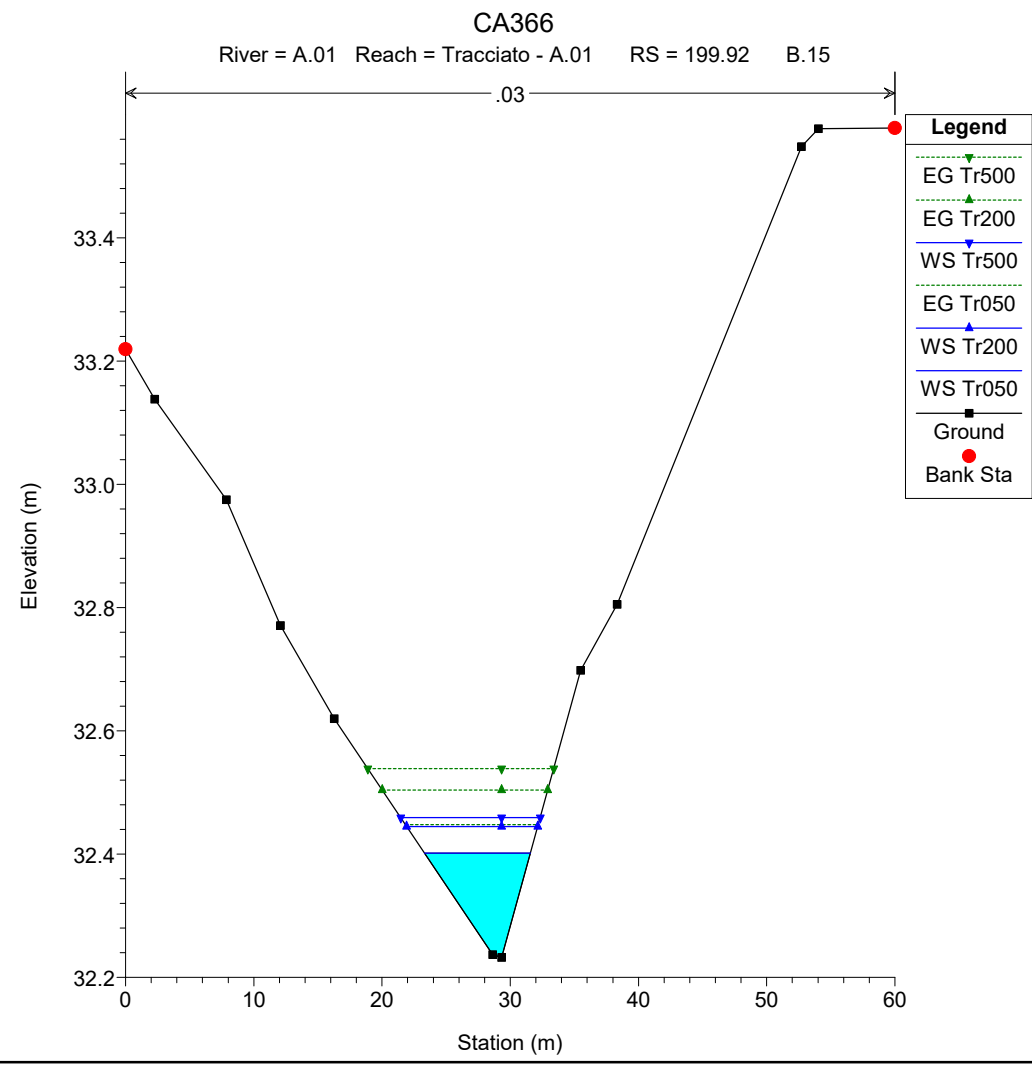
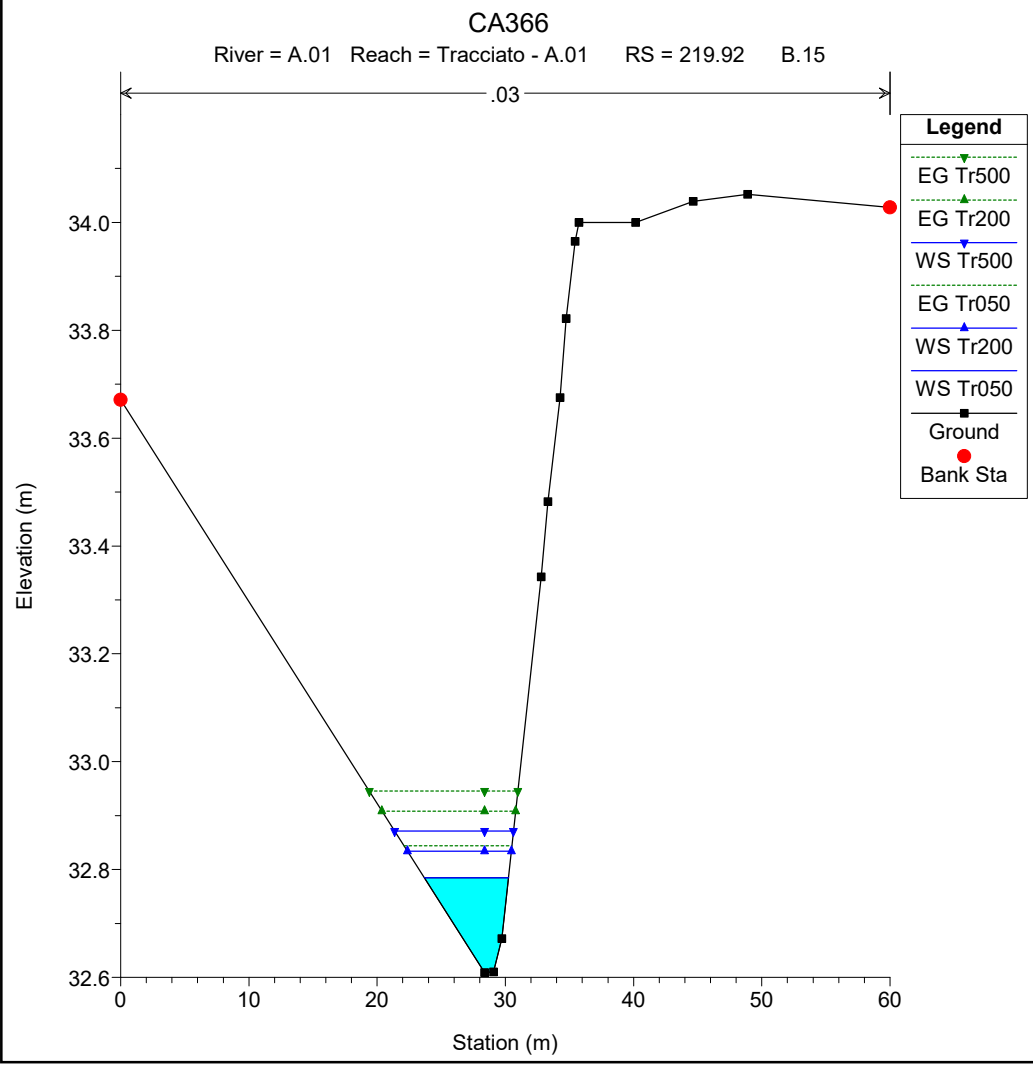
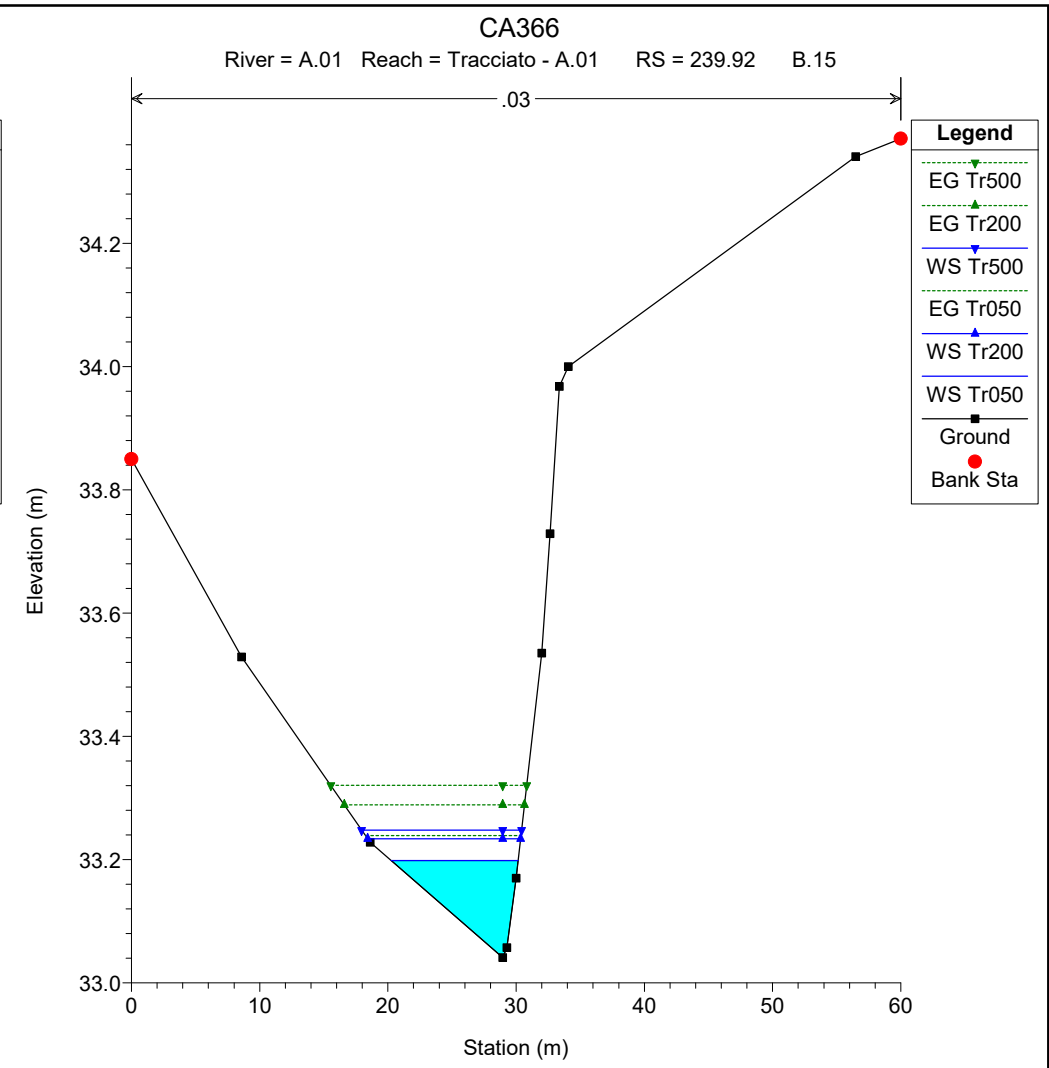
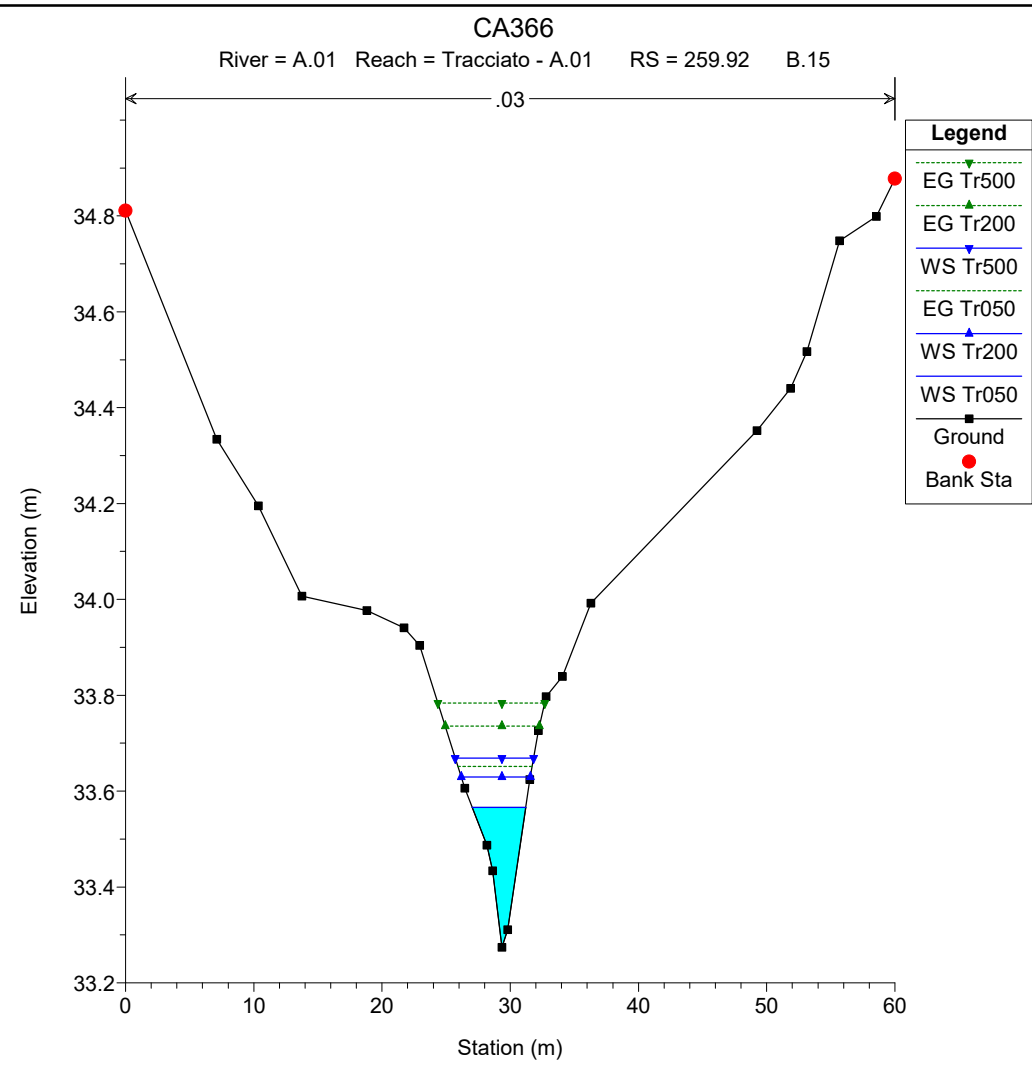
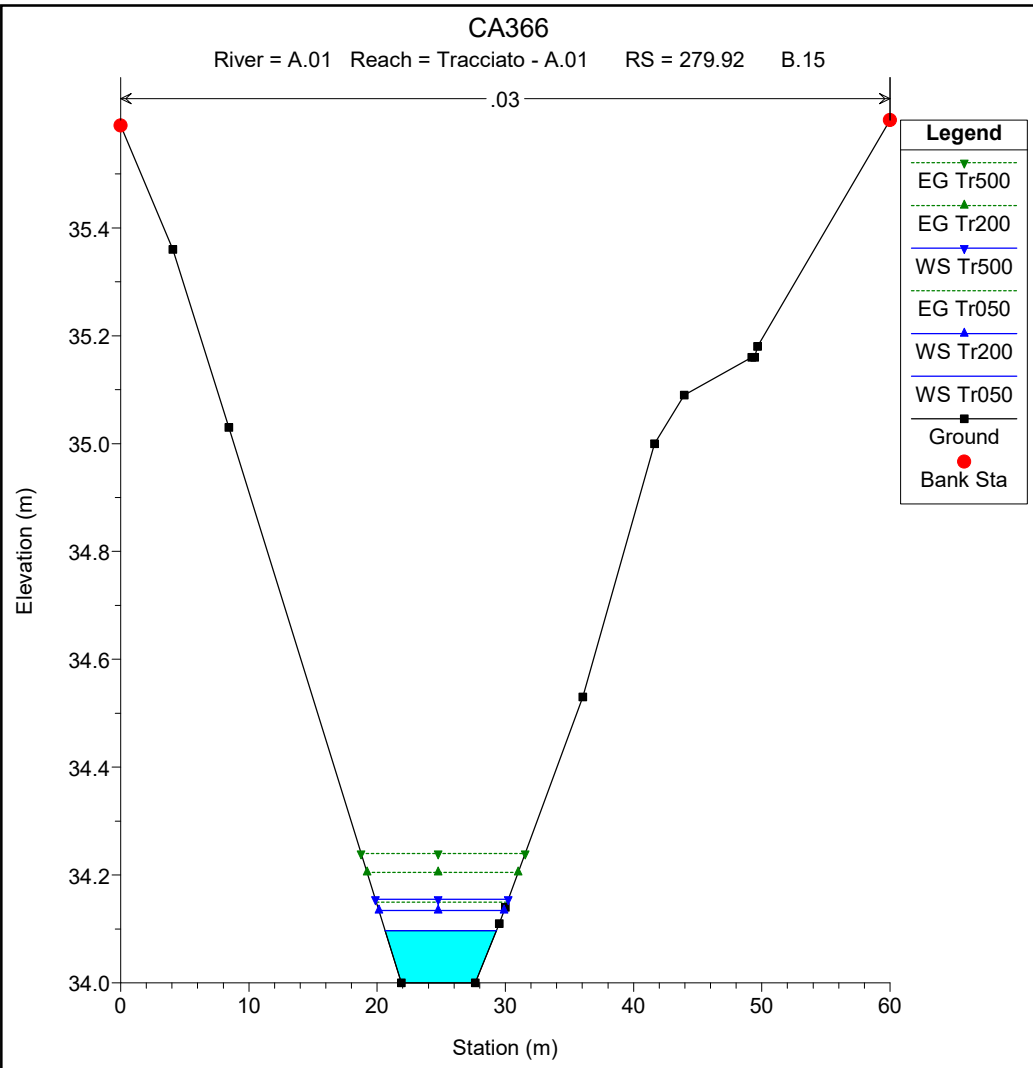
River	Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Crit W.S. (m)	Frctn Loss (m)	C & E Loss (m)	Top Width (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Vel Chnl (m/s)
A.09_SP	Tracciato - A.09	80.47	Tr200	11.43	11.13	11.22	0.62	0.02	2.81		1.77		2.42
A.09_SP	Tracciato - A.09	80.47	Tr500	11.53	11.18	11.29	0.63	0.03	2.92		2.25		2.65
A.04.bis_SP	Tracciato - A.04	186.37	Tr050	68.99	67.89	68.19	0.03	0.00	6.09		9.37		4.64
A.04.bis_SP	Tracciato - A.04	186.37	Tr200	69.31	68.05	68.41	0.03	0.01	6.56		14.93		4.97
A.04.bis_SP	Tracciato - A.04	186.37	Tr500	69.50	68.16	68.55	0.02	0.02	6.88		19.05		5.13
A.04.bis_SP	Tracciato - A.04	174.37	Tr050	68.57	68.46	68.14	0.00	0.00	7.92		9.37		1.49
A.04.bis_SP	Tracciato - A.04	174.37	Tr200	68.86	68.74	68.36	0.00	0.00	15.22	0.89	14.04		1.63
A.04.bis_SP	Tracciato - A.04	174.37	Tr500	69.04	68.91	68.50	0.00	0.00	16.37	2.15	16.90		1.67
A.04.bis_SP	Tracciato - A.04	173 BR U	Tr050	68.57	68.45	68.14	0.04	0.00	7.92		9.37		1.49
A.04.bis_SP	Tracciato - A.04	173 BR U	Tr200	68.86	68.73	68.36	0.04	0.00	15.21	0.88	14.05		1.63
A.04.bis_SP	Tracciato - A.04	173 BR U	Tr500	69.04	68.91	68.50	0.03	0.00	16.35	2.15	16.90		1.67
A.04.bis_SP	Tracciato - A.04	173 BR D	Tr050	68.52	68.42	68.05	0.00	0.00	7.97		9.37		1.39
A.04.bis_SP	Tracciato - A.04	173 BR D	Tr200	68.82	68.70	68.27	0.00	0.00	14.12	0.52	14.41		1.60
A.04.bis_SP	Tracciato - A.04	173 BR D	Tr500	69.00	68.87	68.41	0.00	0.00	14.90	1.48	17.57		1.67
A.04.bis_SP	Tracciato - A.04	151.35	Tr050	68.52	68.42	68.05	0.02	0.00	7.97		9.37		1.40
A.04.bis_SP	Tracciato - A.04	151.35	Tr200	68.82	68.70	68.27	0.02	0.00	14.11	0.51	14.42		1.60
A.04.bis_SP	Tracciato - A.04	151.35	Tr500	69.00	68.87	68.41	0.03	0.00	14.89	1.46	17.59		1.67
A.04.bis_SP	Tracciato - A.04	136.43	Tr050	68.49	68.41		0.03	0.00	8.28		9.37		1.30
A.04.bis_SP	Tracciato - A.04	136.43	Tr200	68.80	68.67		0.03	0.01	9.07		14.93		1.57
A.04.bis_SP	Tracciato - A.04	136.43	Tr500	68.97	68.82		0.03	0.01	9.51		19.05		1.75
A.03.bis	A.03.bis	531.03	Tr050	51.85	51.82	51.66	0.09	0.00	7.67		1.72		0.79
A.03.bis	A.03.bis	531.03	Tr200	51.99	51.95	51.78	0.10	0.00	9.52		3.06		0.93
A.03.bis	A.03.bis	531.03	Tr500	52.08	52.03	51.84	0.10	0.01	10.70		4.10		1.00
A.03.bis	A.03.bis	511.03	Tr050	51.75	51.68	51.63	0.01	0.00	6.21		1.72		1.14
A.03.bis	A.03.bis	511.03	Tr200	51.89	51.80	51.74	0.01	0.00	7.79		3.06		1.32
A.03.bis	A.03.bis	511.03	Tr500	51.97	51.87	51.81	0.01	0.00	8.79		4.10		1.41
A.03.bis	A.03.bis	510 BR U	Tr050	51.74	51.63	51.63	0.12	0.02	5.51		1.72		1.46
A.03.bis	A.03.bis	510 BR U	Tr200	51.88	51.74	51.74	0.12	0.02	6.94		3.06		1.63
A.03.bis	A.03.bis	510 BR U	Tr500	51.96	51.81	51.81	0.12	0.02	7.91		4.10		1.72
A.03.bis	A.03.bis	510 BR D	Tr050	51.30	50.97	51.08			4.23		1.72		2.52
A.03.bis	A.03.bis	510 BR D	Tr200	51.46	51.06	51.19			5.33		3.06		2.82
A.03.bis	A.03.bis	510 BR D	Tr500	51.56	51.11	51.25			6.01		4.10		2.98
A.03.bis	A.03.bis	491.03	Tr050	51.18	51.07	51.07	0.73	0.08	5.56		1.72		1.46
A.03.bis	A.03.bis	491.03	Tr200	51.32	51.18	51.18	0.65	0.09	7.00		3.06		1.64
A.03.bis	A.03.bis	491.03	Tr500	51.40	51.25	51.25	0.61	0.09	7.88		4.10		1.73
A.03.bis	A.03.bis	471.03	Tr050	50.37	49.41	49.63	1.29	0.21	2.09		1.72		4.33
A.03.bis	A.03.bis	471.03	Tr200	50.58	49.53	49.79	1.28	0.20	2.70		3.06		4.55
A.03.bis	A.03.bis	471.03	Tr500	50.70	49.60	49.89	1.27	0.19	3.09		4.10		4.65
A.02 SP	Tracciato - A.02	67.61	Tr050	57.54	57.47	57.49	0.21	0.00	5.10		0.20		1.17
A.02 SP	Tracciato - A.02	67.61	Tr200	57.58	57.49	57.52	0.22	0.01	5.16		0.37		1.33
A.02 SP	Tracciato - A.02	67.61	Tr500	57.62	57.51	57.54	0.22	0.01	5.19		0.50		1.50
A.02 SP	Tracciato - A.02	47.61	Tr050	56.27	56.26	56.23	0.01	0.00	5.24		0.20		0.48
A.02 SP	Tracciato - A.02	47.61	Tr200	56.31	56.29	56.26	0.01	0.00	5.34		0.37		0.62
A.02 SP	Tracciato - A.02	47.61	Tr500	56.34	56.32	56.28	0.01	0.00	5.40		0.50		0.71
A.02 SP	Tracciato - A.02	47 BR U	Tr050	56.26	56.23	56.23	0.19	0.00	5.16		0.20		0.73
A.02 SP	Tracciato - A.02	47 BR U	Tr200	56.30	56.26	56.26	0.19	0.01	5.24		0.37		0.87
A.02 SP	Tracciato - A.02	47 BR U	Tr500	56.33	56.28	56.28	0.19	0.01	5.30		0.50		0.96
A.02 SP	Tracciato - A.02	47 BR D	Tr050	55.10	54.94	54.97			5.06		0.20		1.77
A.02 SP	Tracciato - A.02	47 BR D	Tr200	55.26	54.95	55.00			5.09		0.37		2.45
A.02 SP	Tracciato - A.02	47 BR D	Tr500	55.34	54.96	55.02			5.10		0.50		2.73
A.02 SP	Tracciato - A.02	27.61	Tr050	55.00	54.97	54.97	0.00	0.01	5.16		0.20		0.72
A.02 SP	Tracciato - A.02	27.61	Tr200	55.04	55.00	55.00	0.01	0.01	5.24		0.37		0.88
A.02 SP	Tracciato - A.02	27.61	Tr500	55.07	55.02	55.02	0.01	0.01	5.29		0.50		0.99
A.02 SP	Tracciato - A.02	7.61	Tr050	54.03	54.03	53.71	0.00	0.00	6.11		0.20		0.10
A.02 SP	Tracciato - A.02	7.61	Tr200	54.05	54.04	53.74	0.00	0.00	6.15		0.37		0.17
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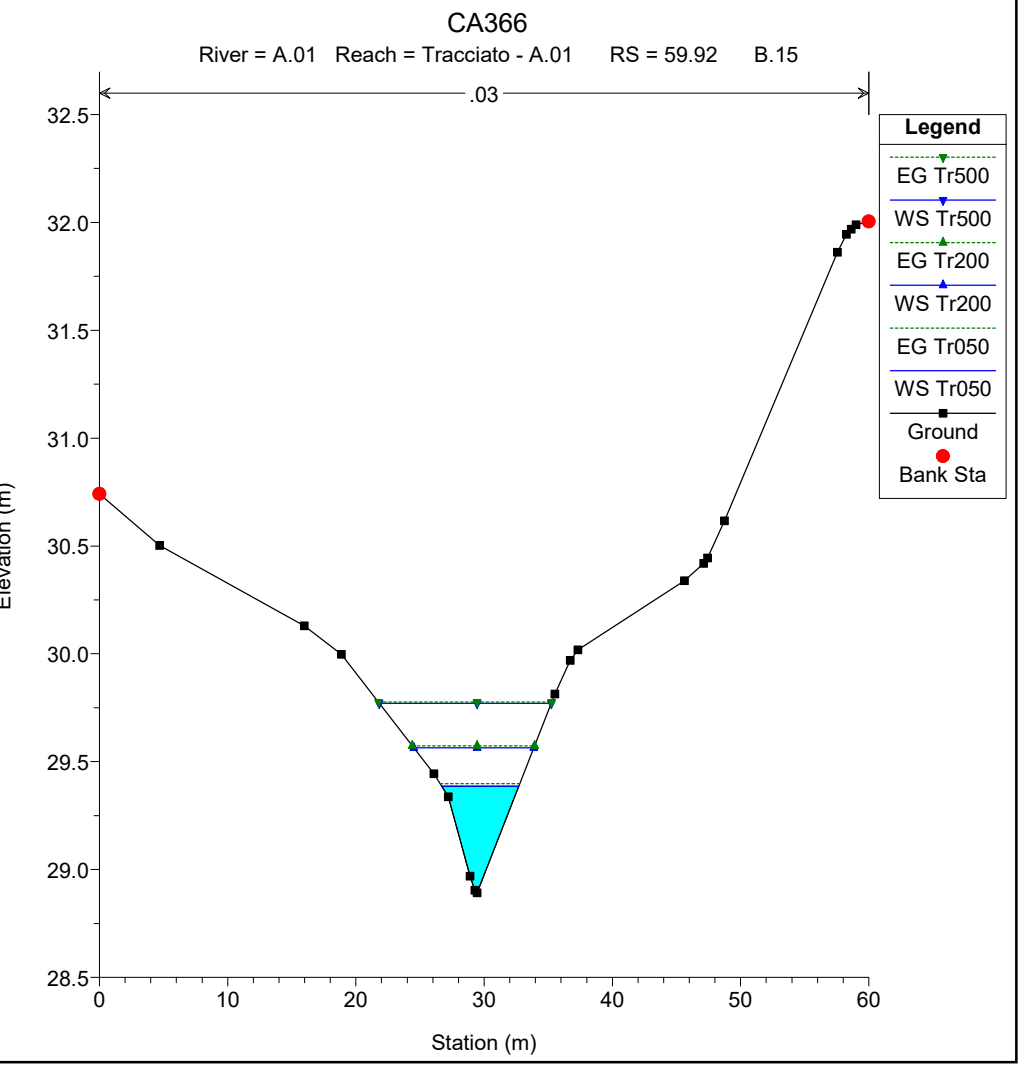
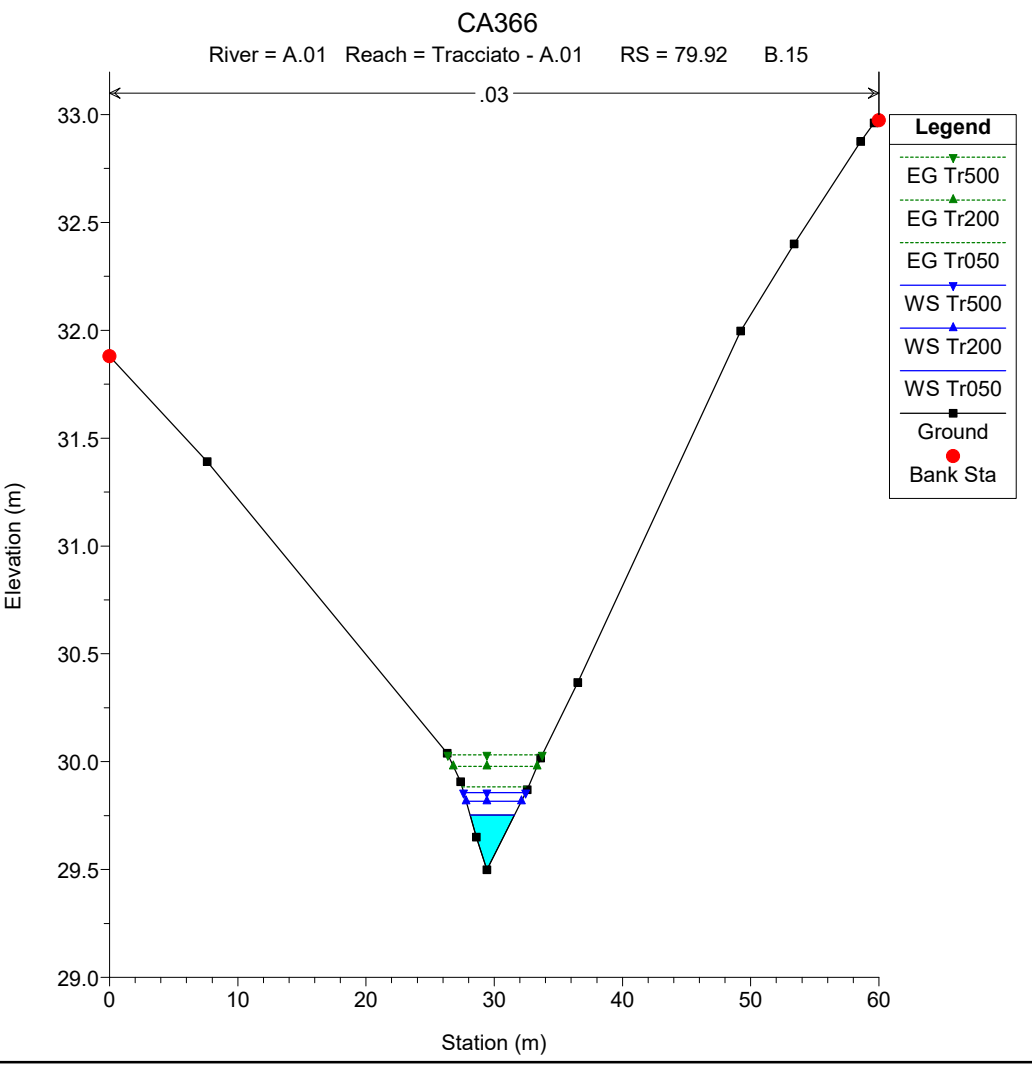
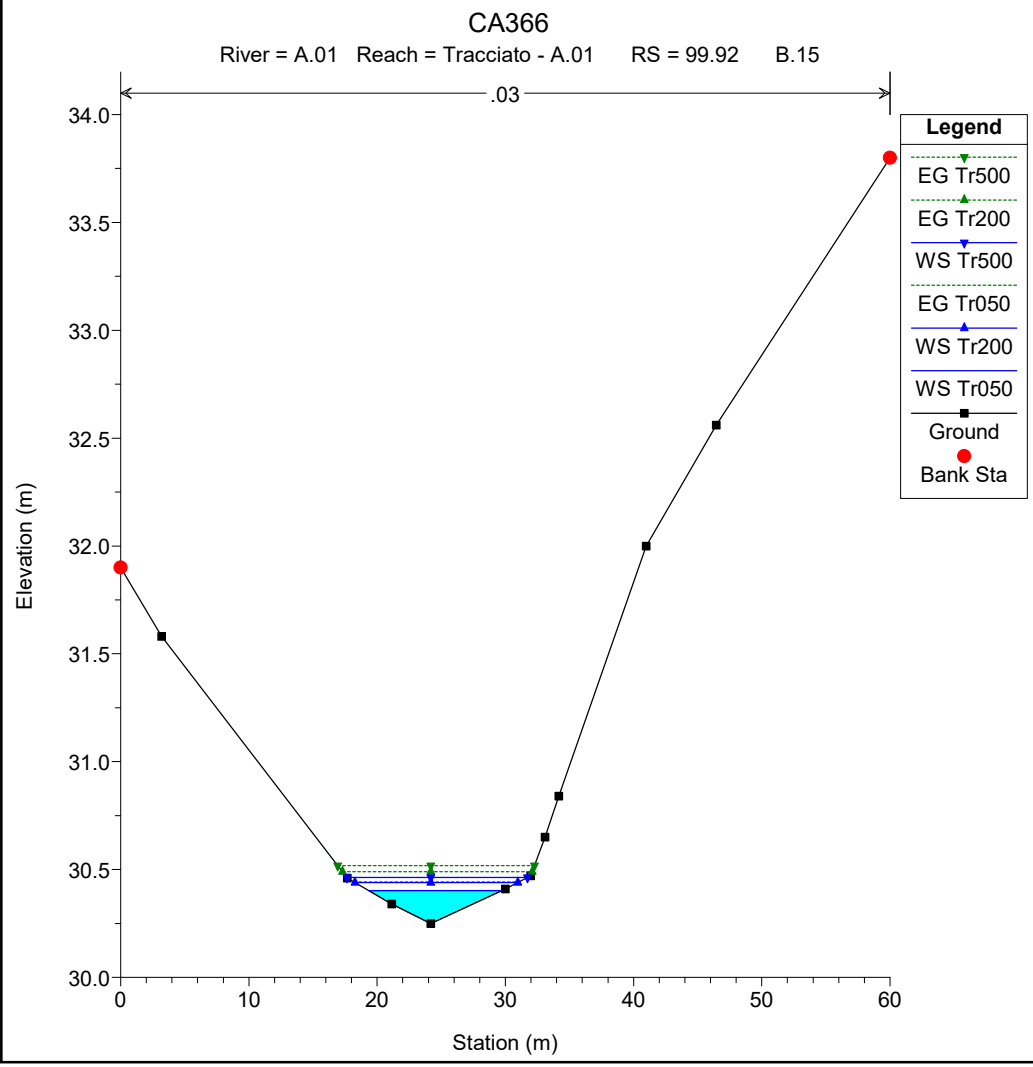
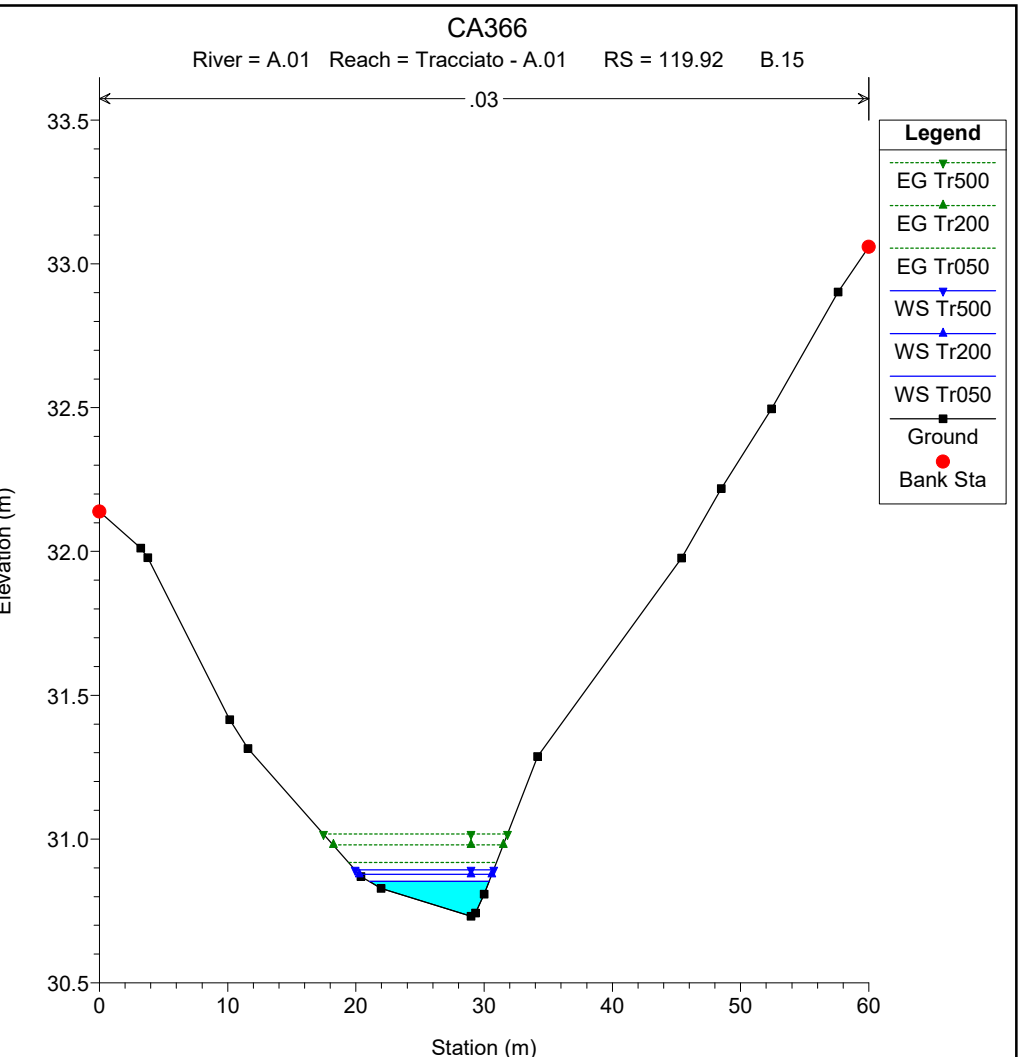
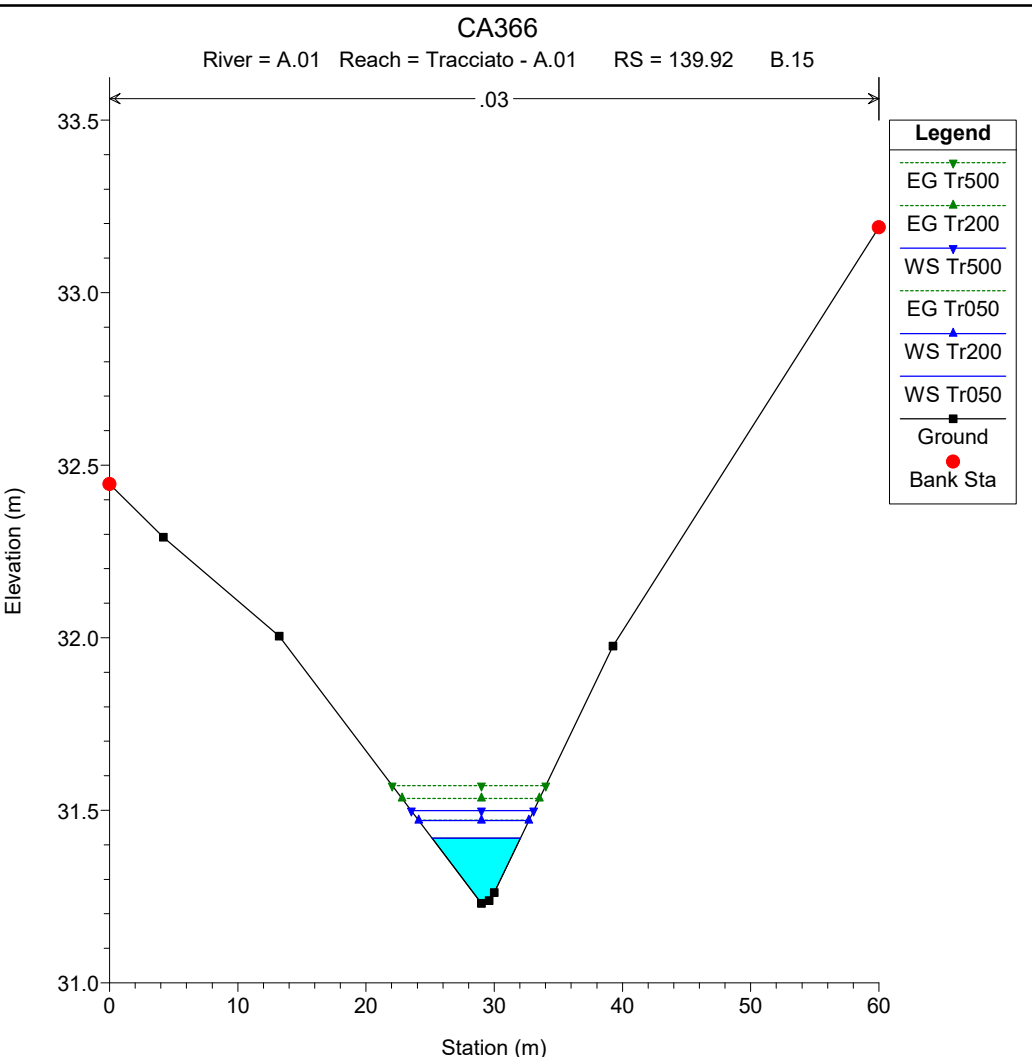
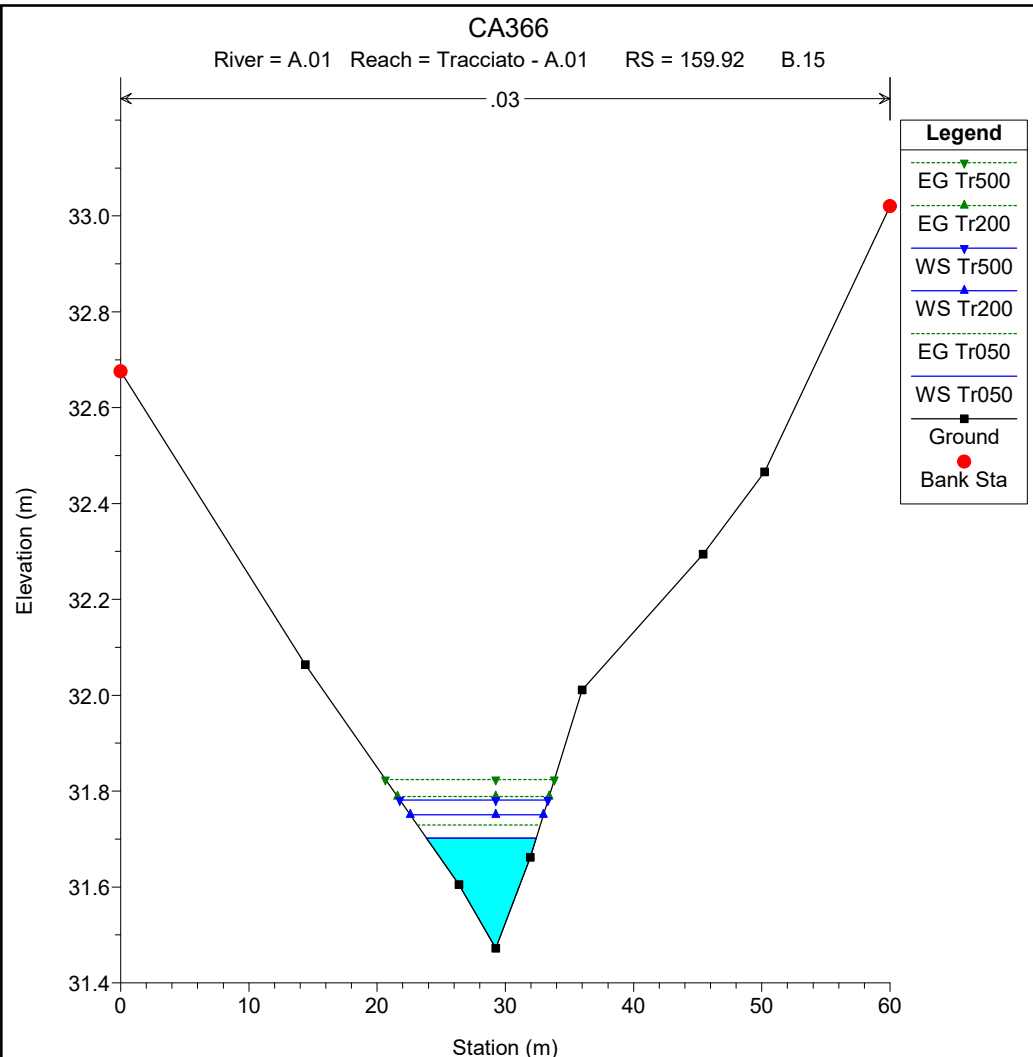


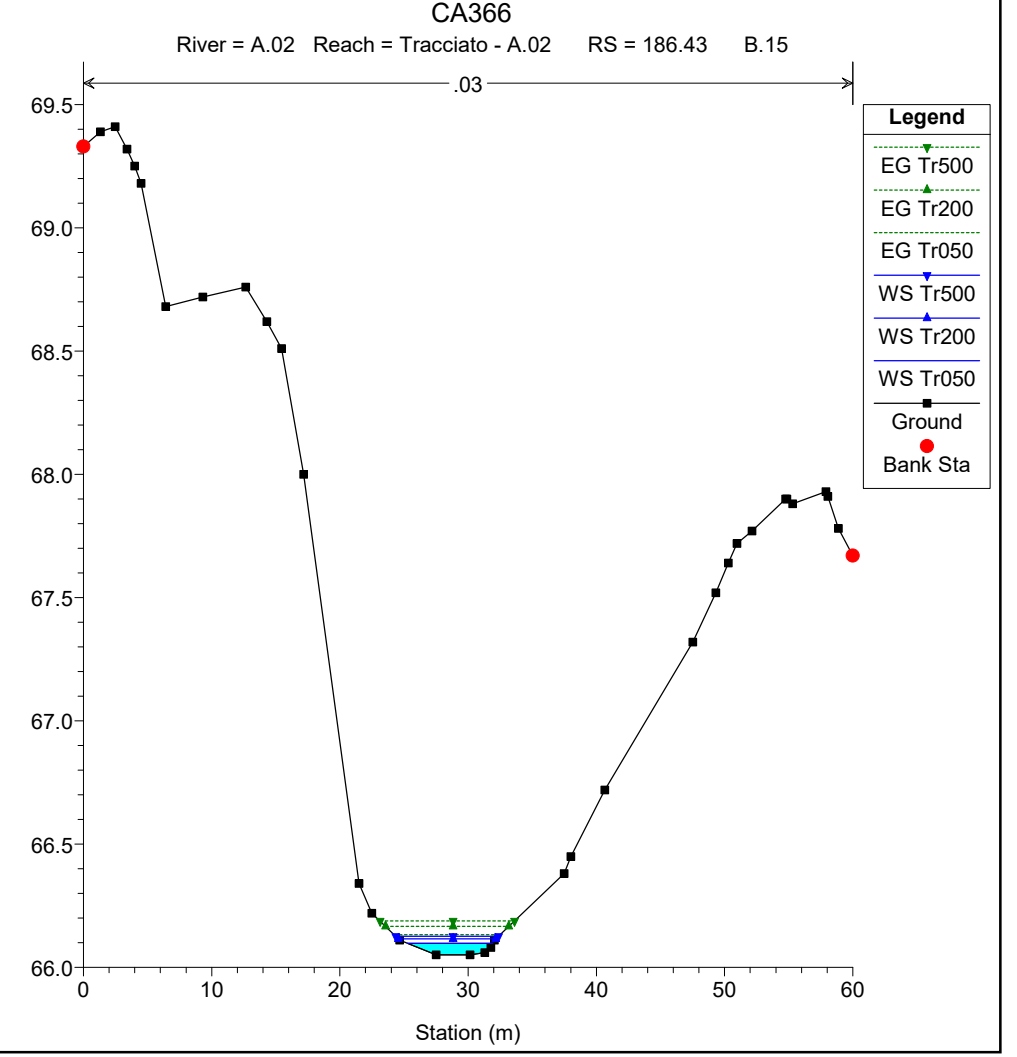
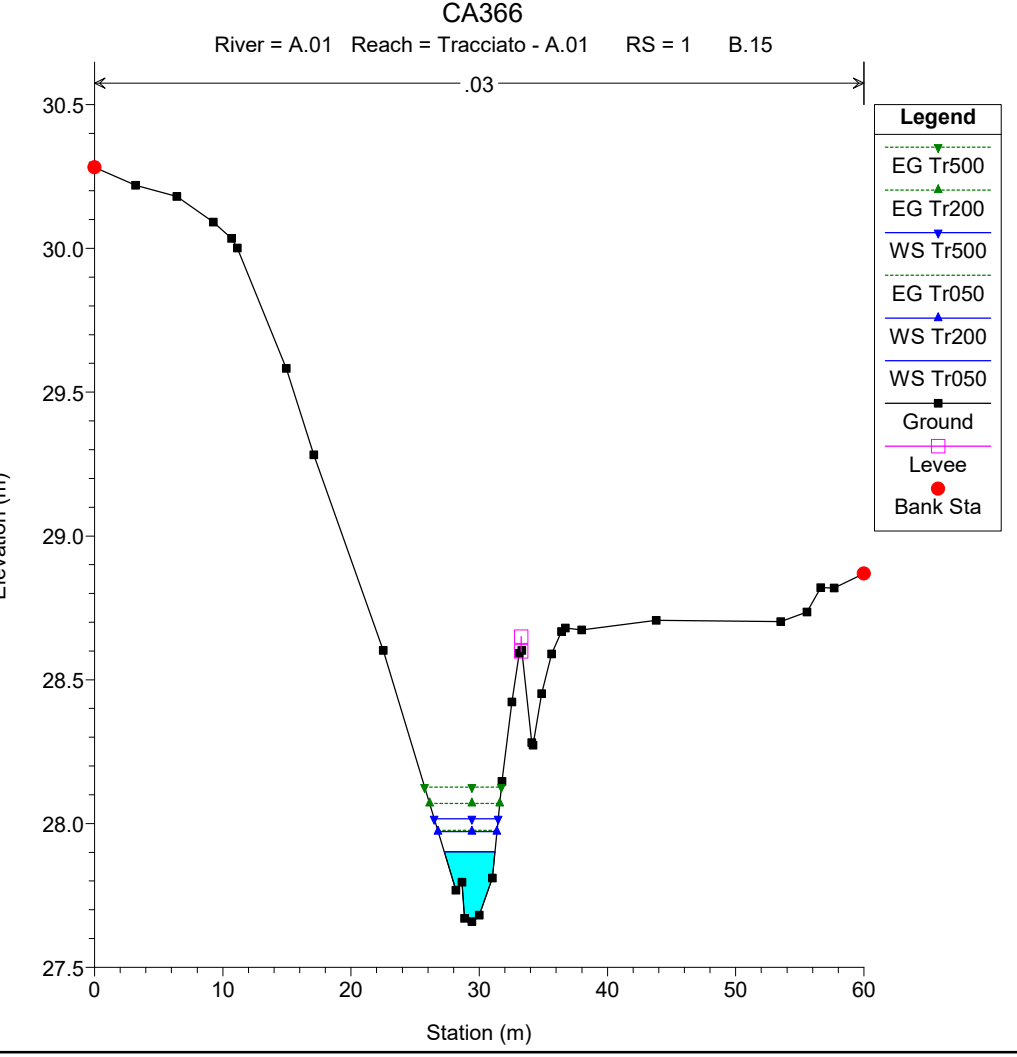
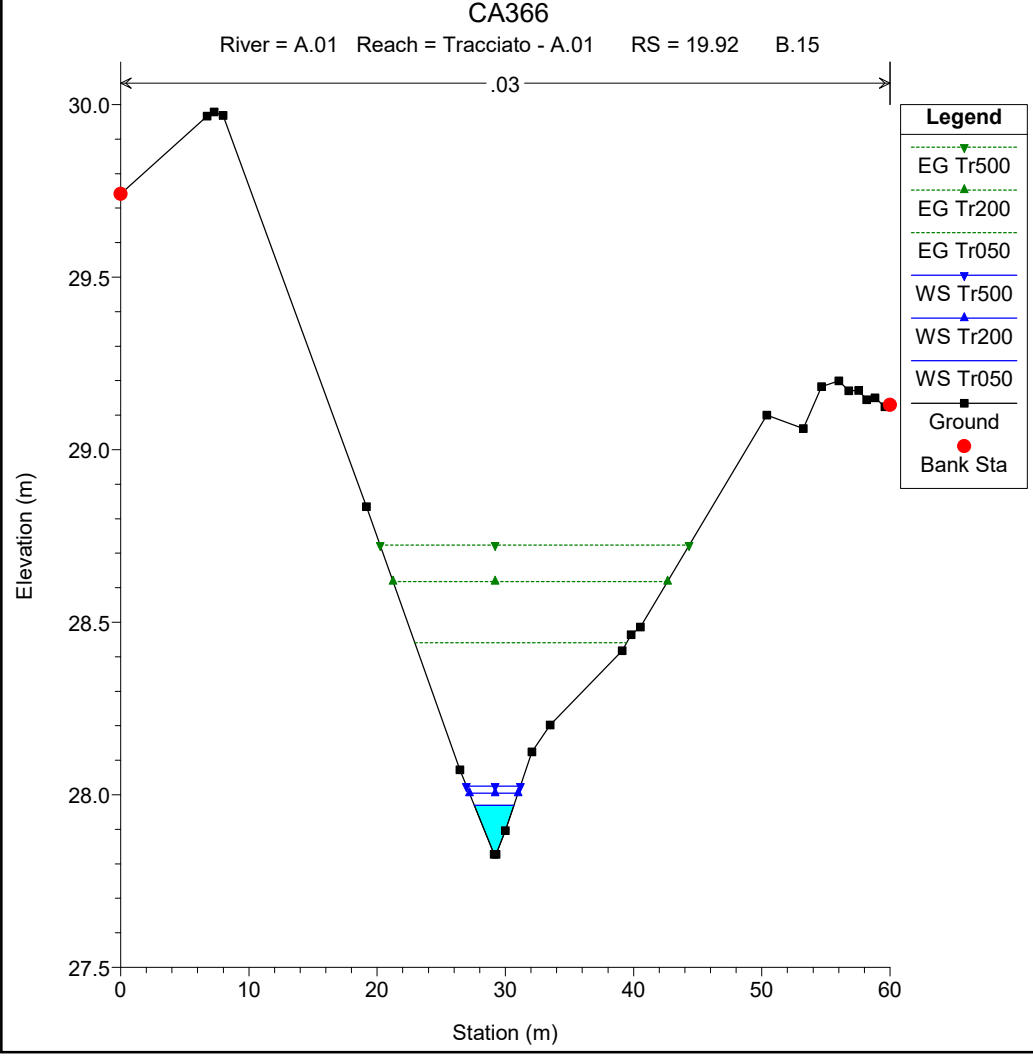
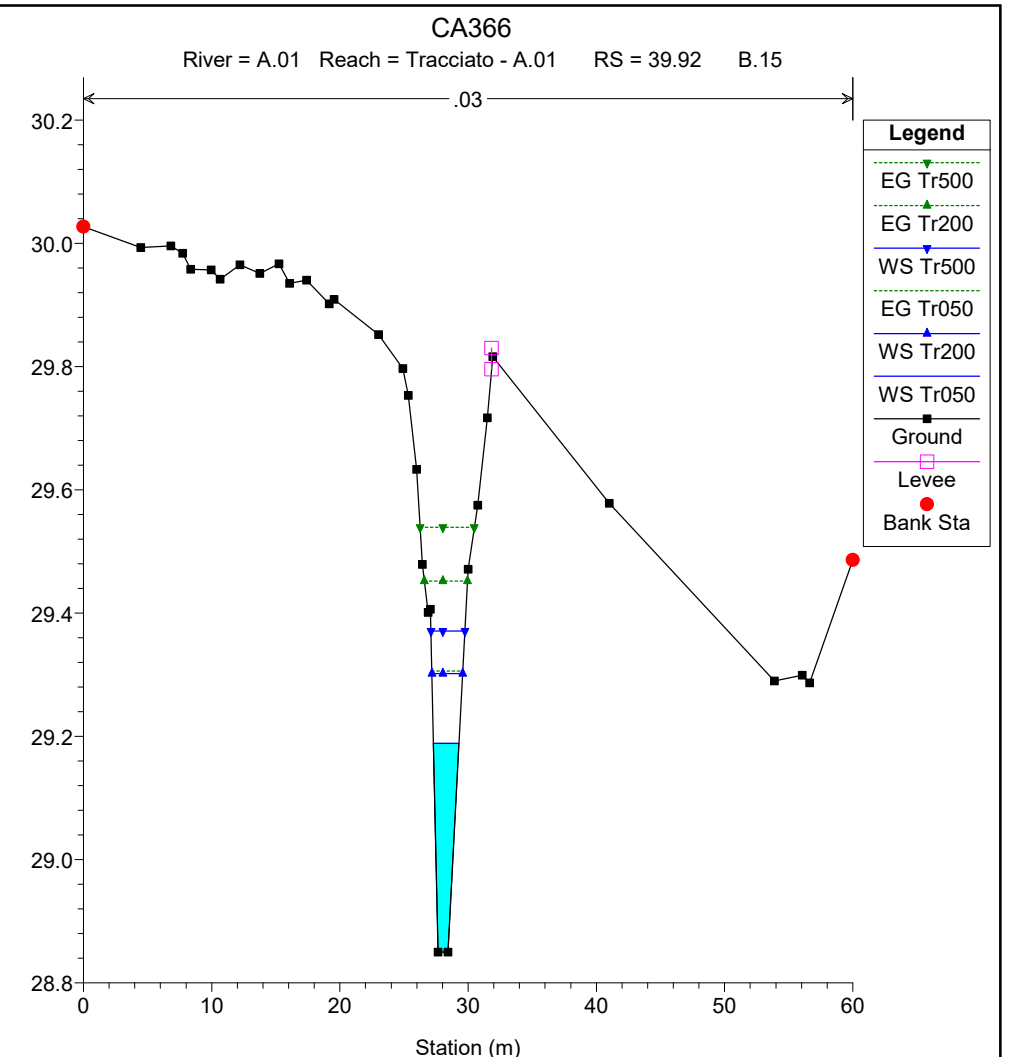
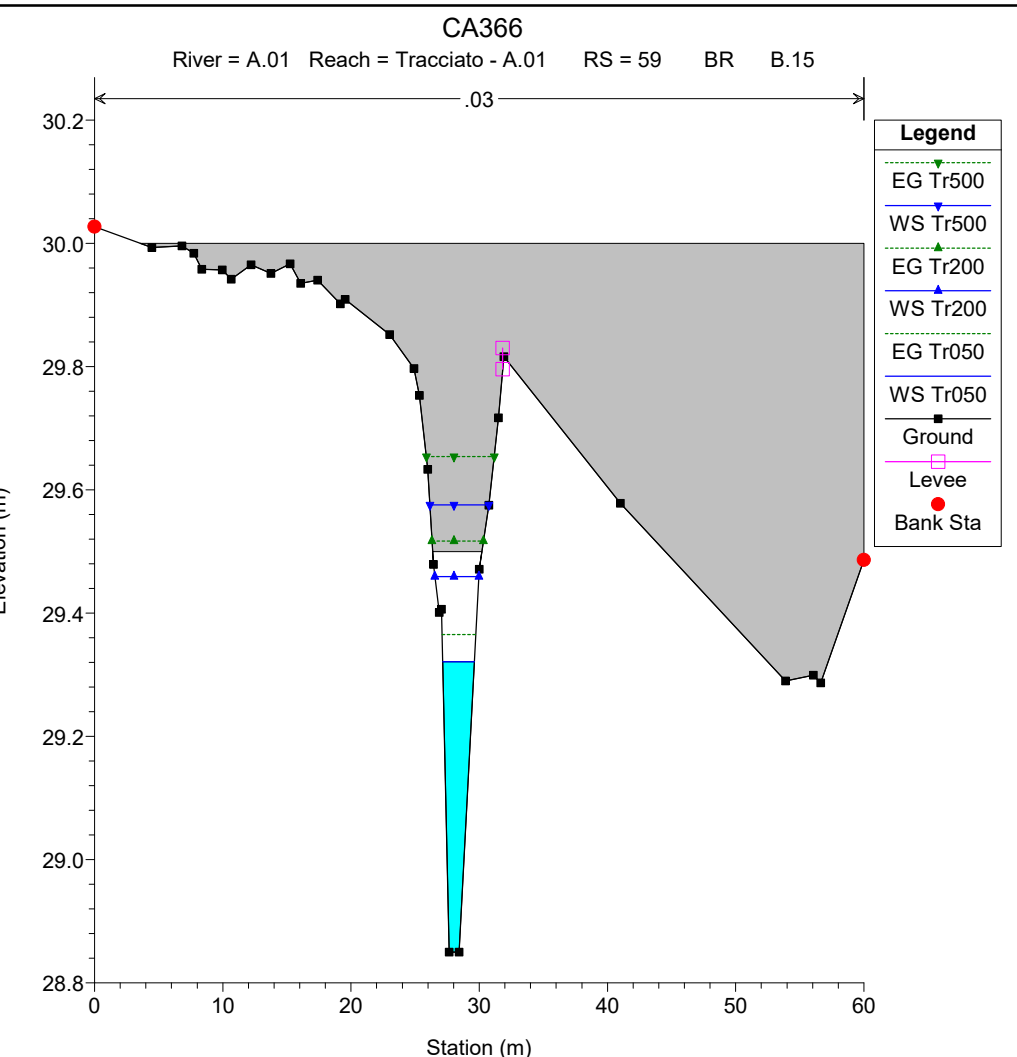
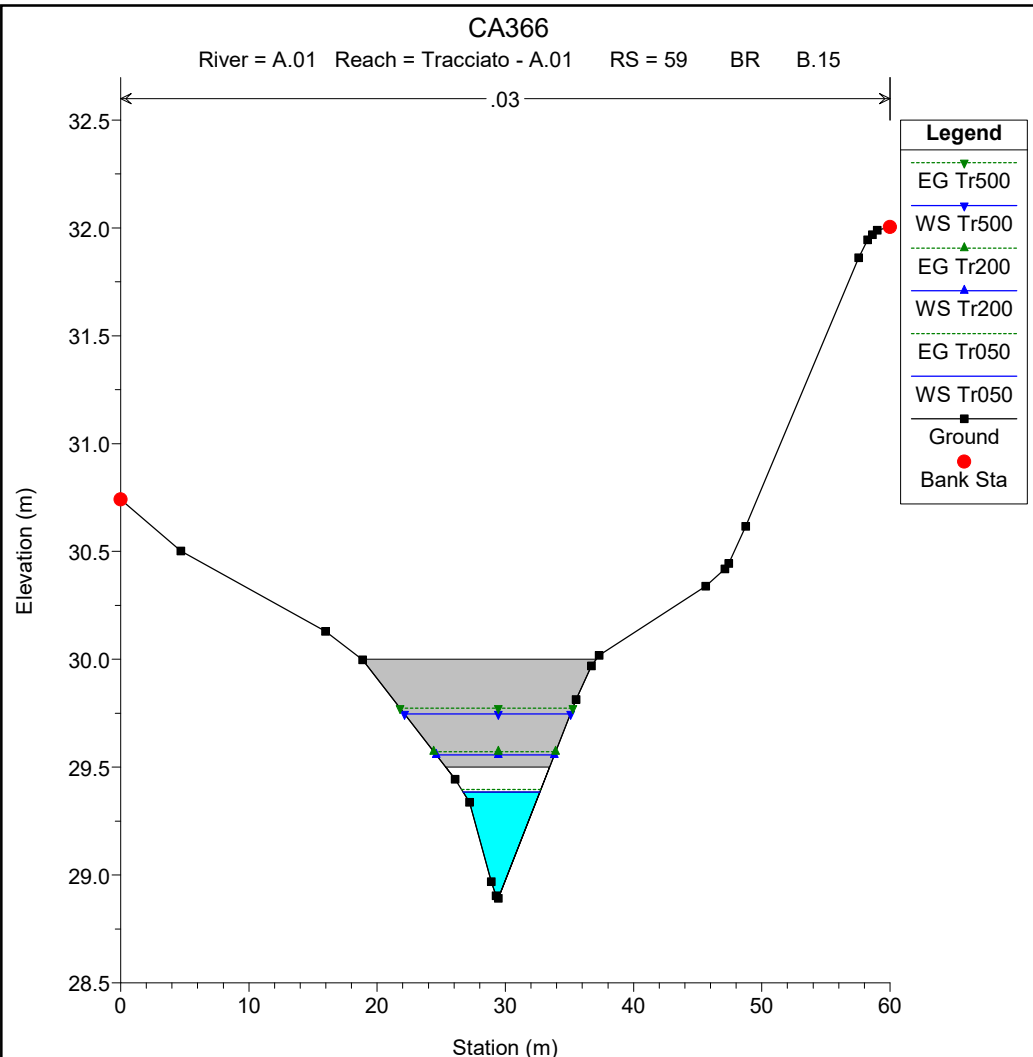


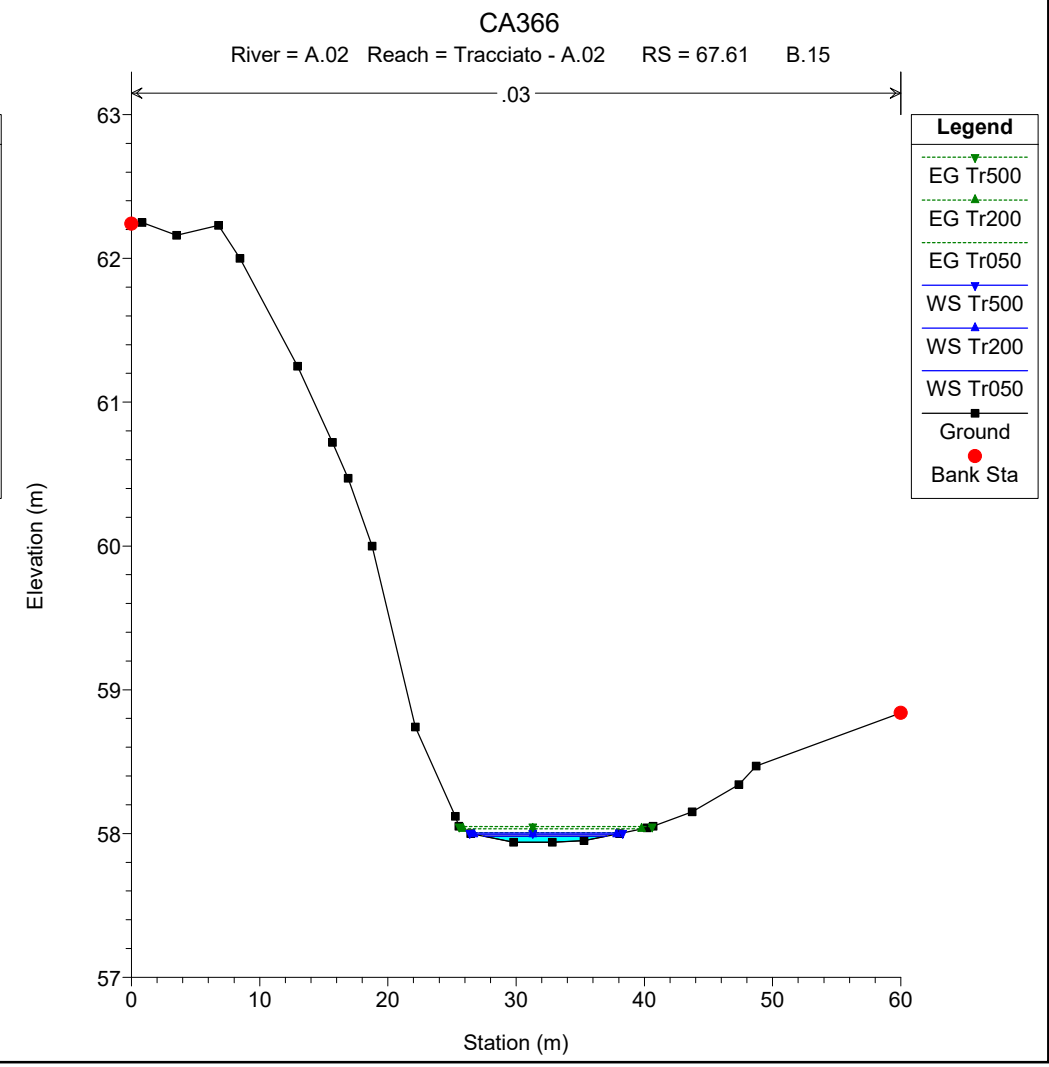
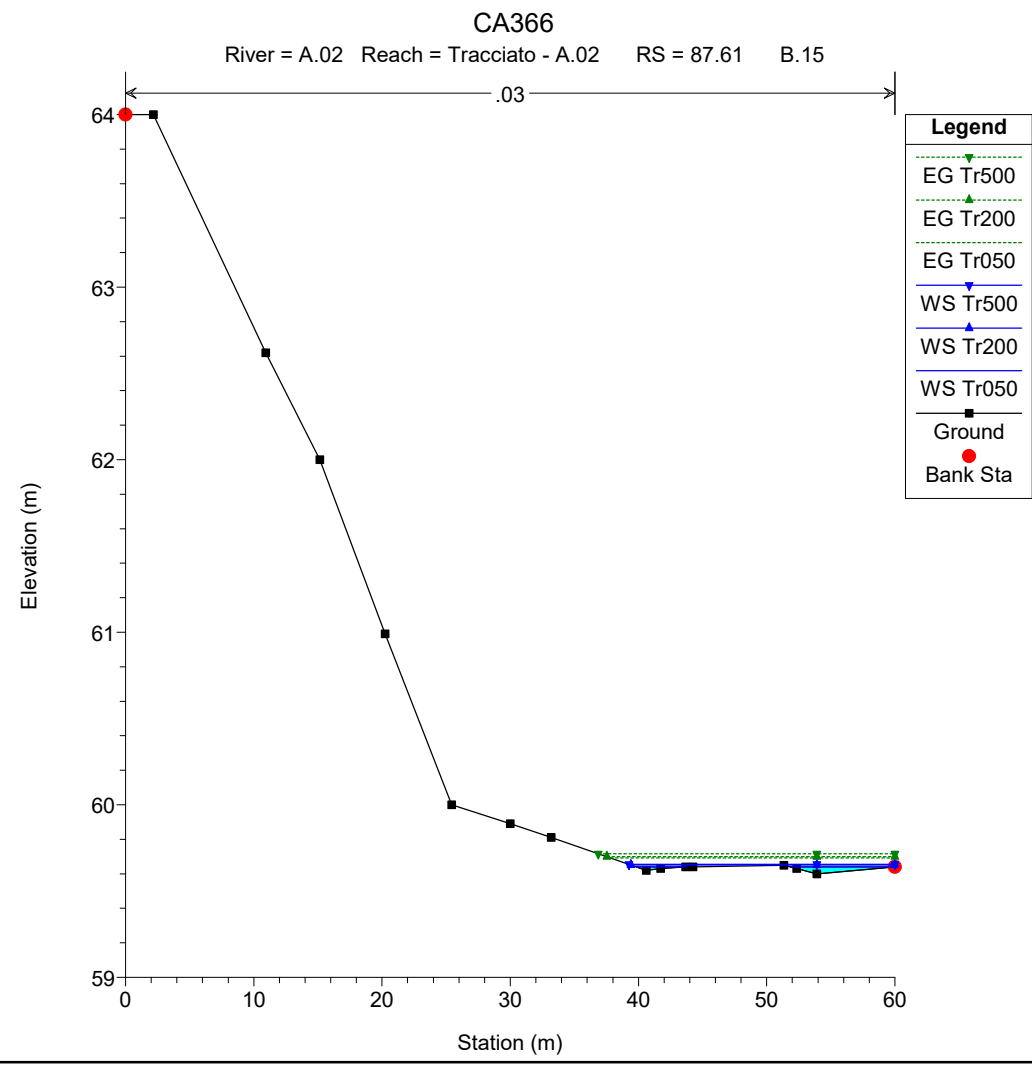
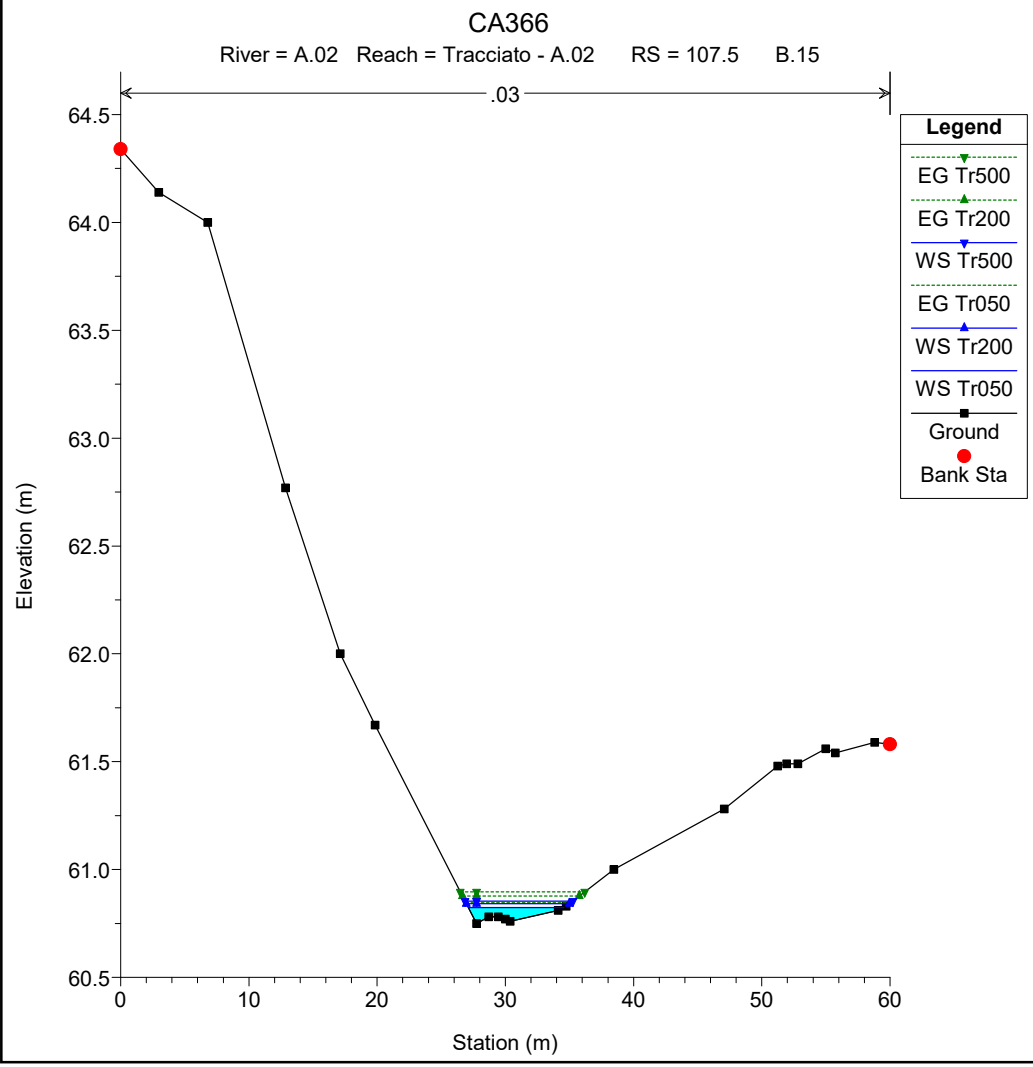
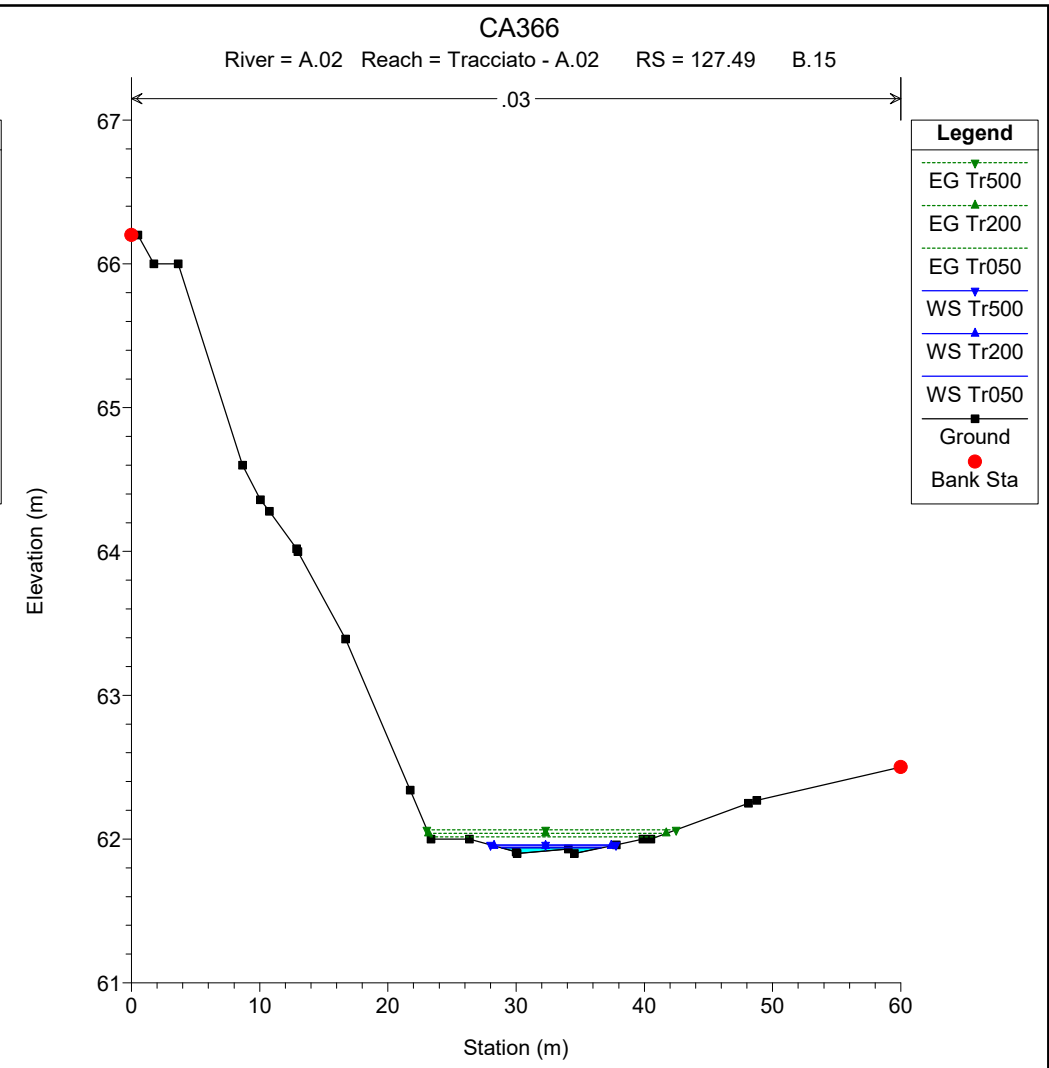
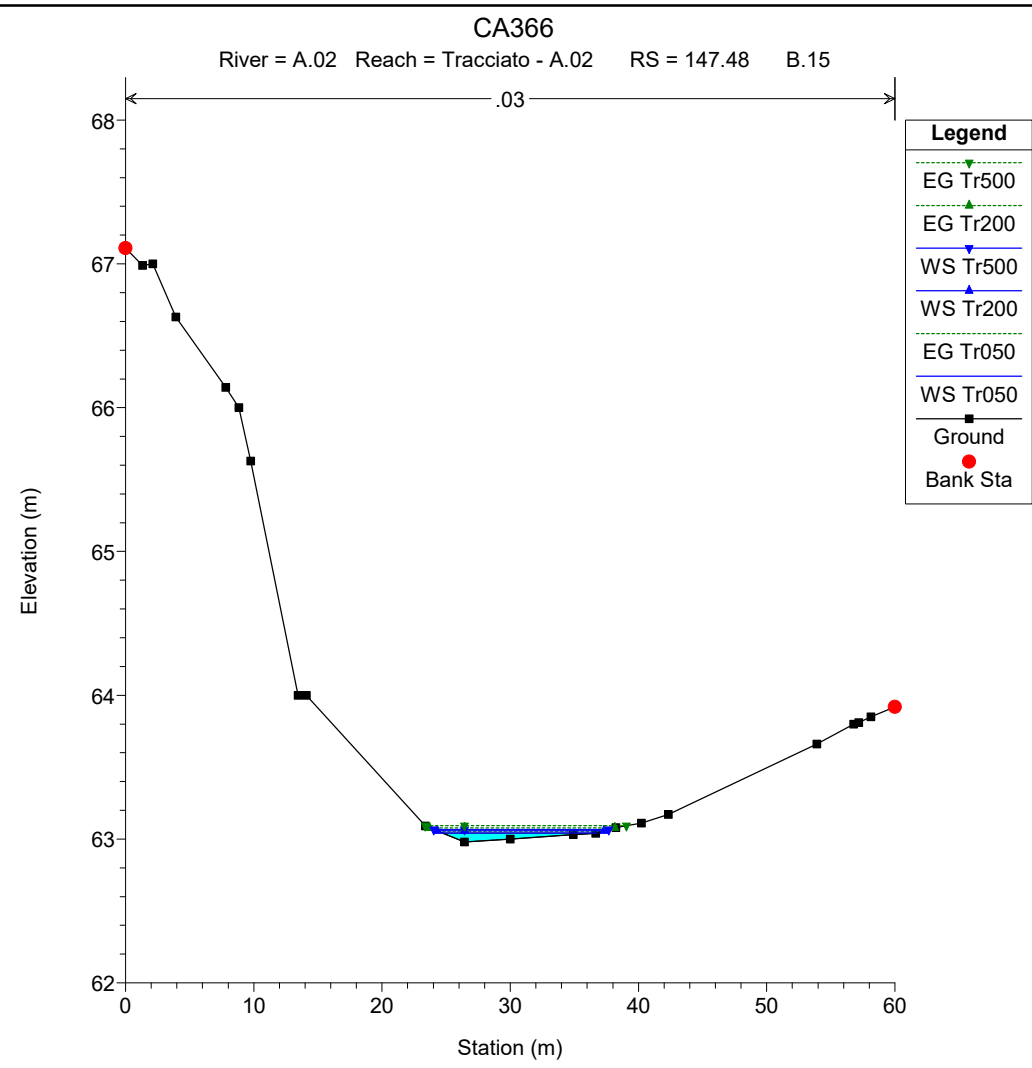
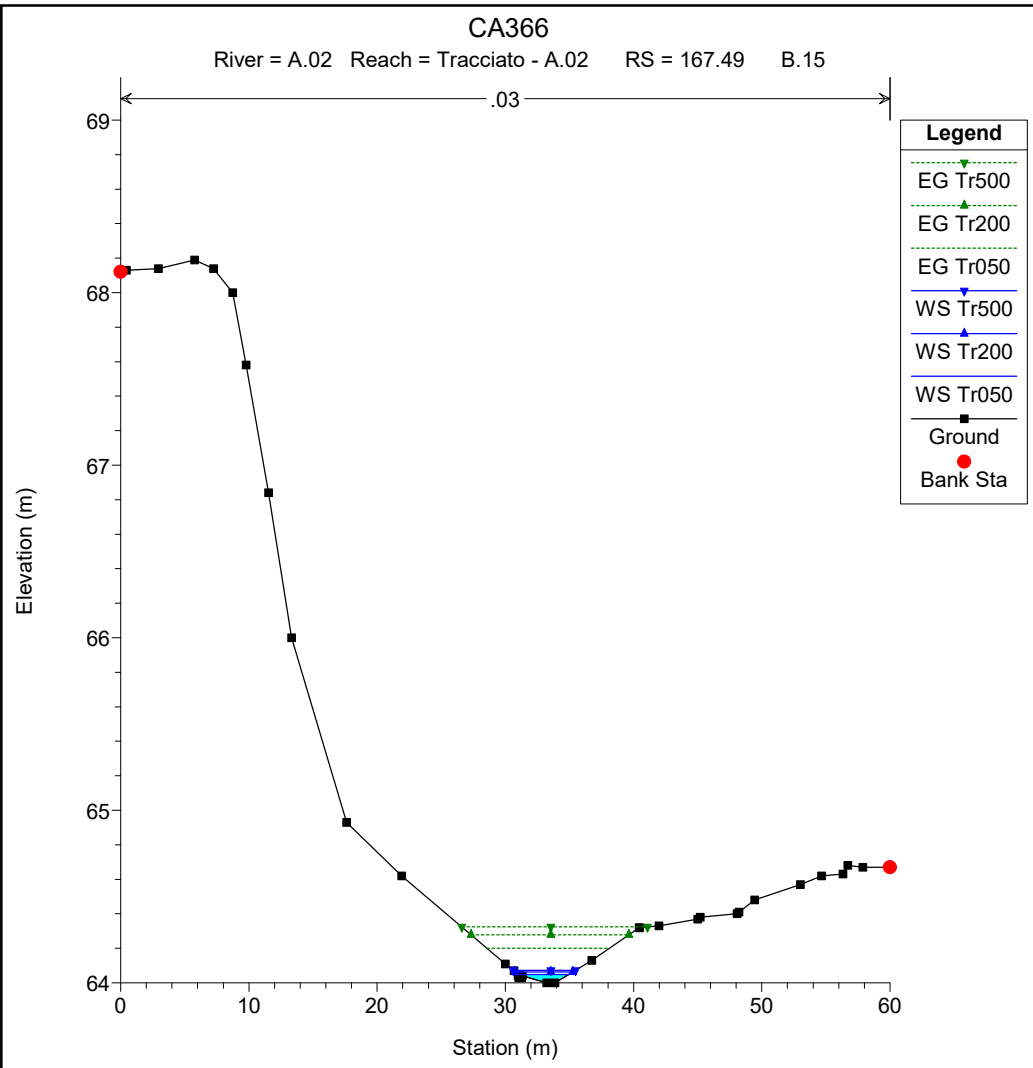


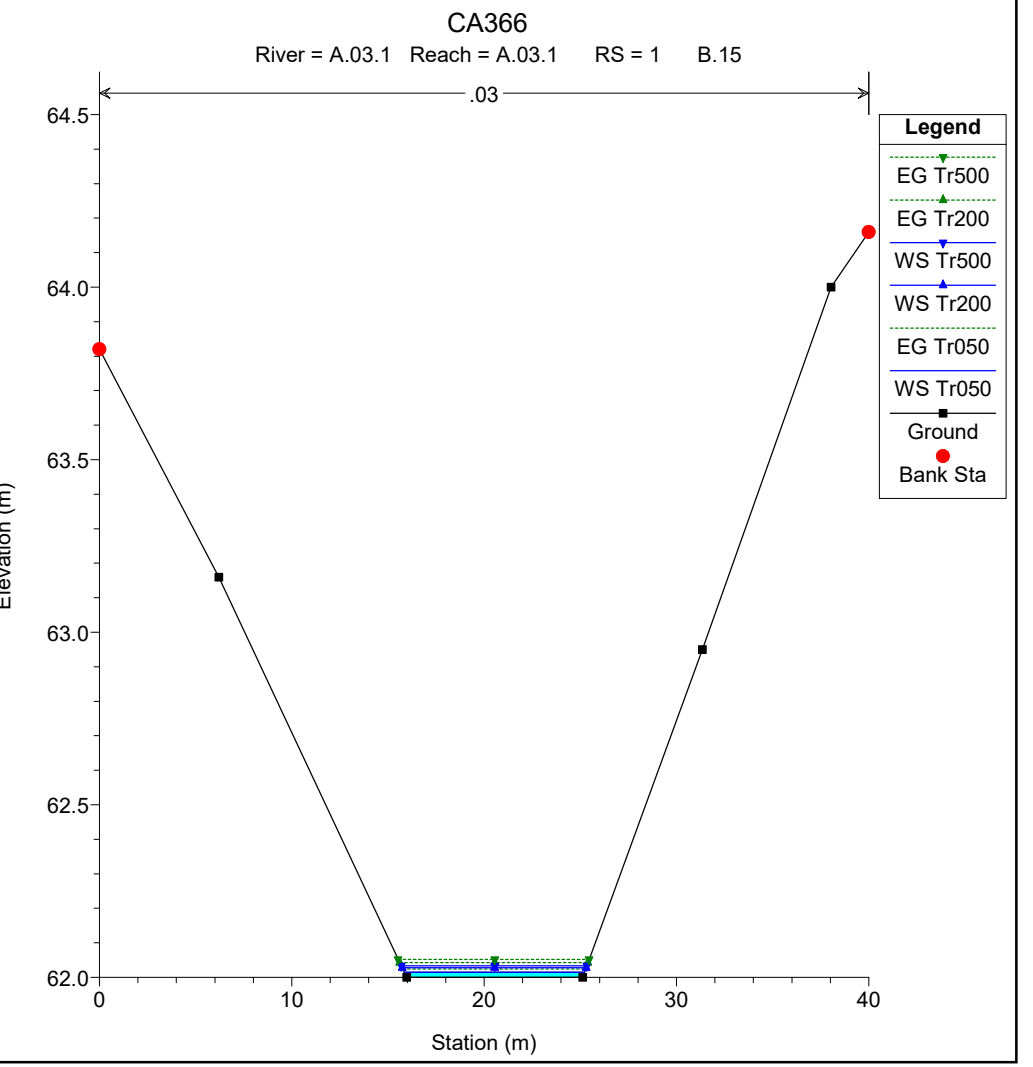
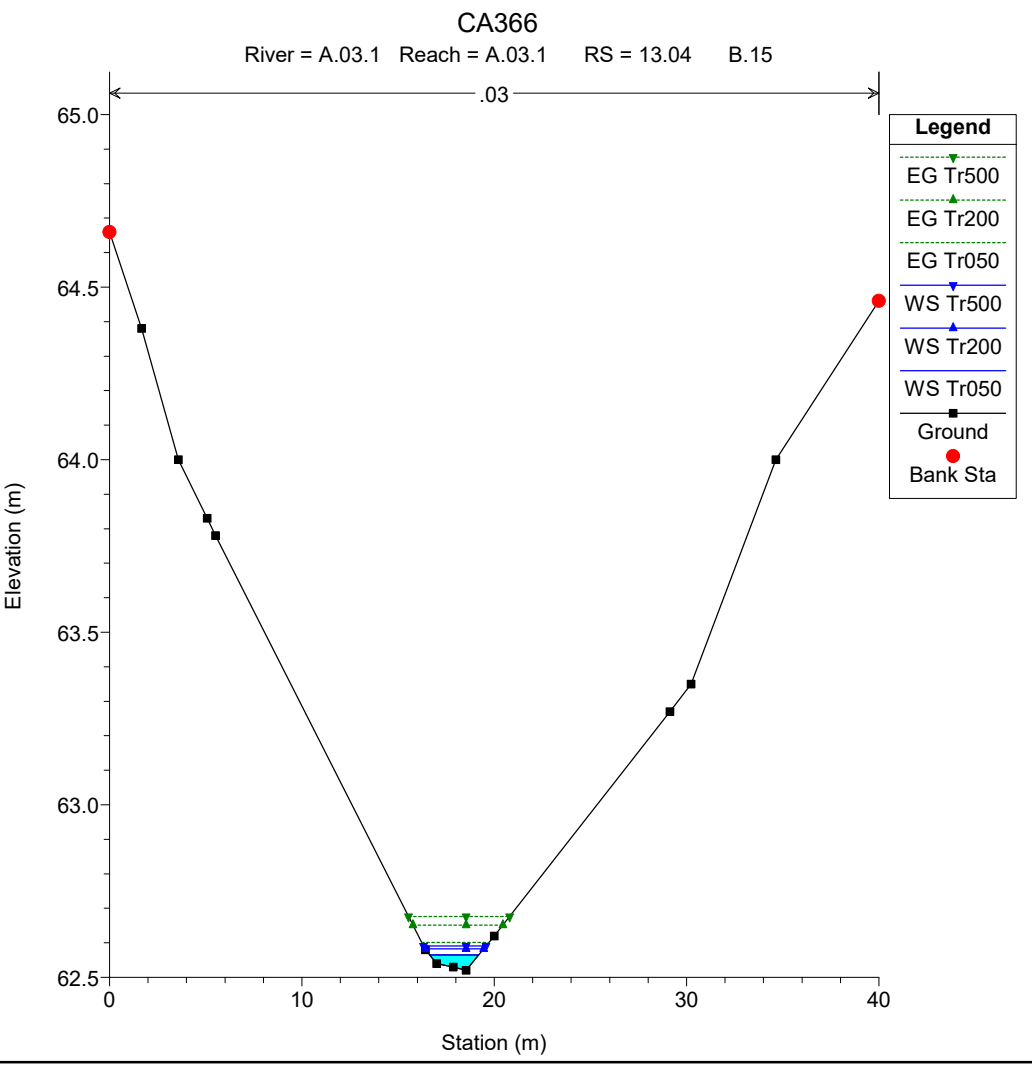
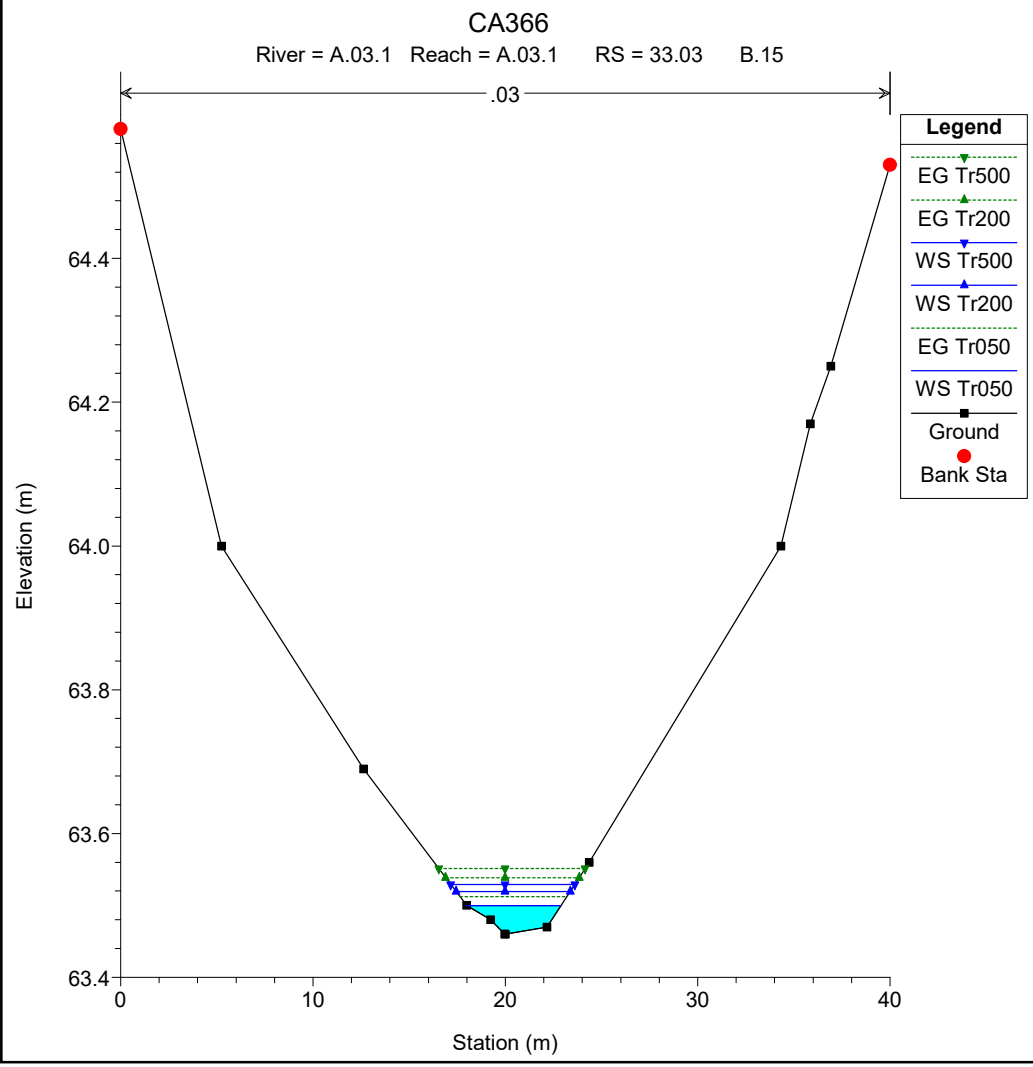
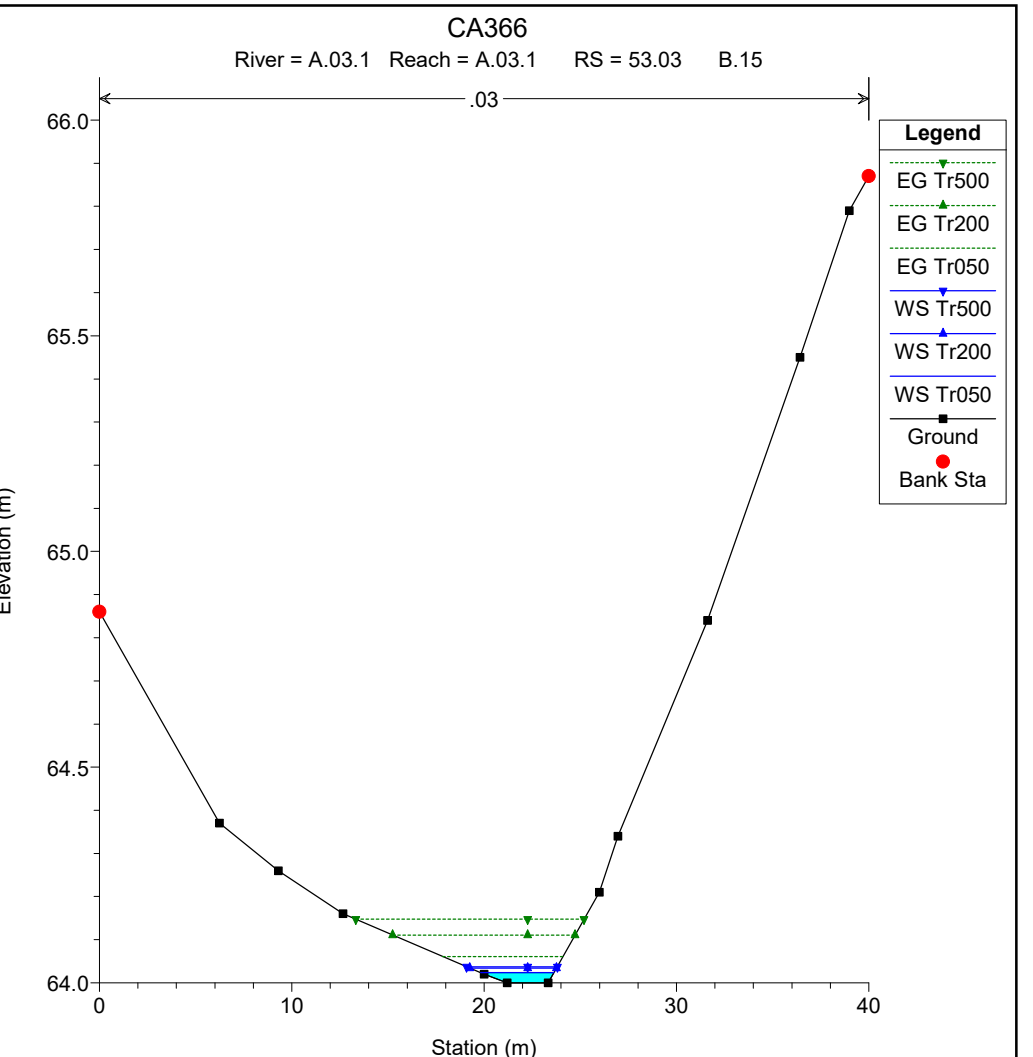
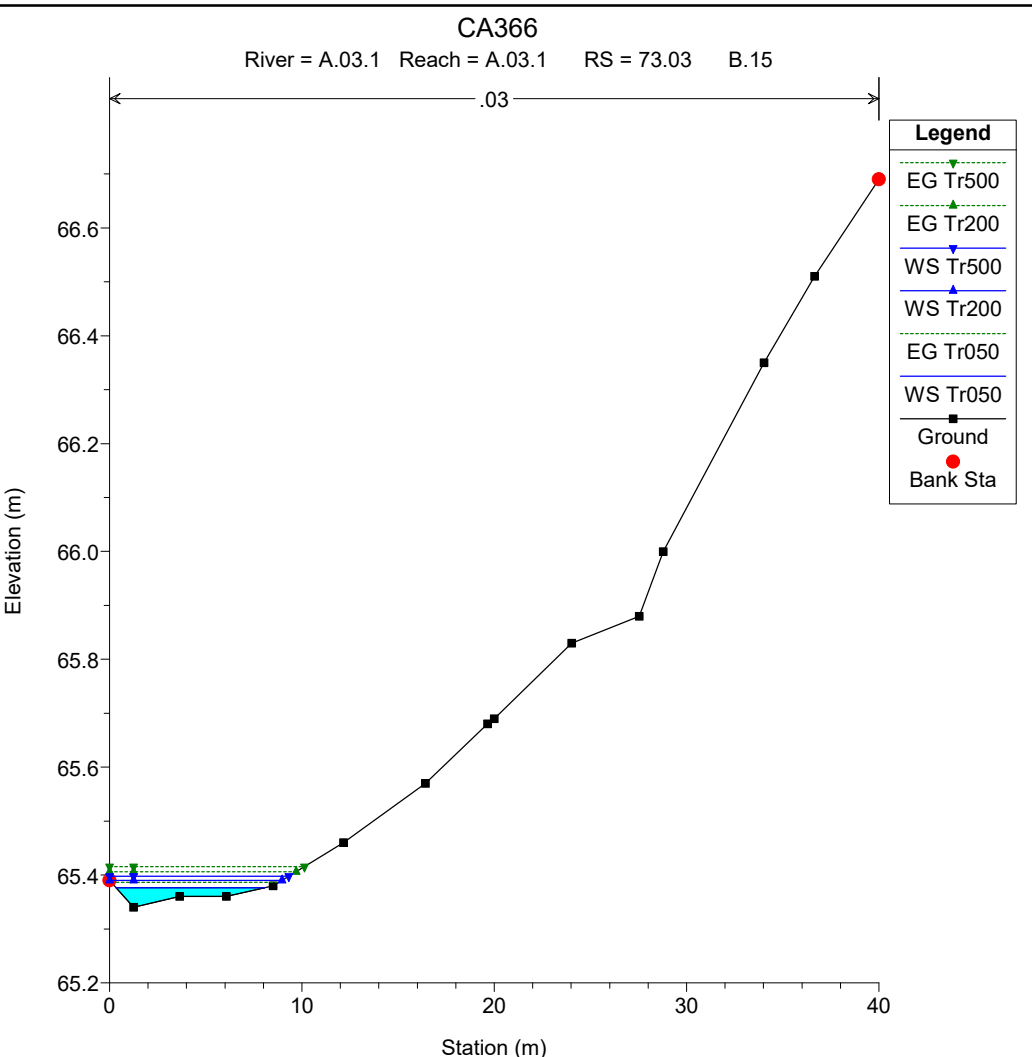
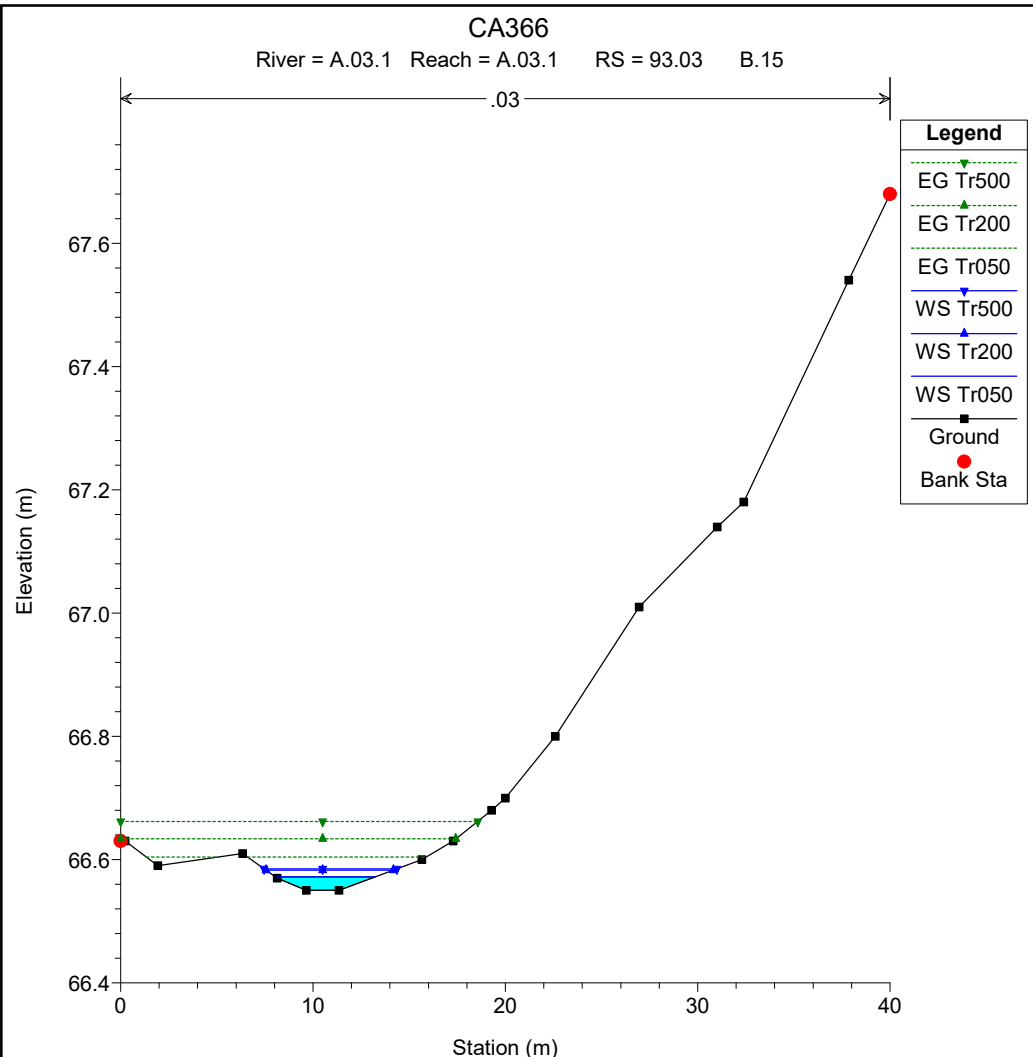


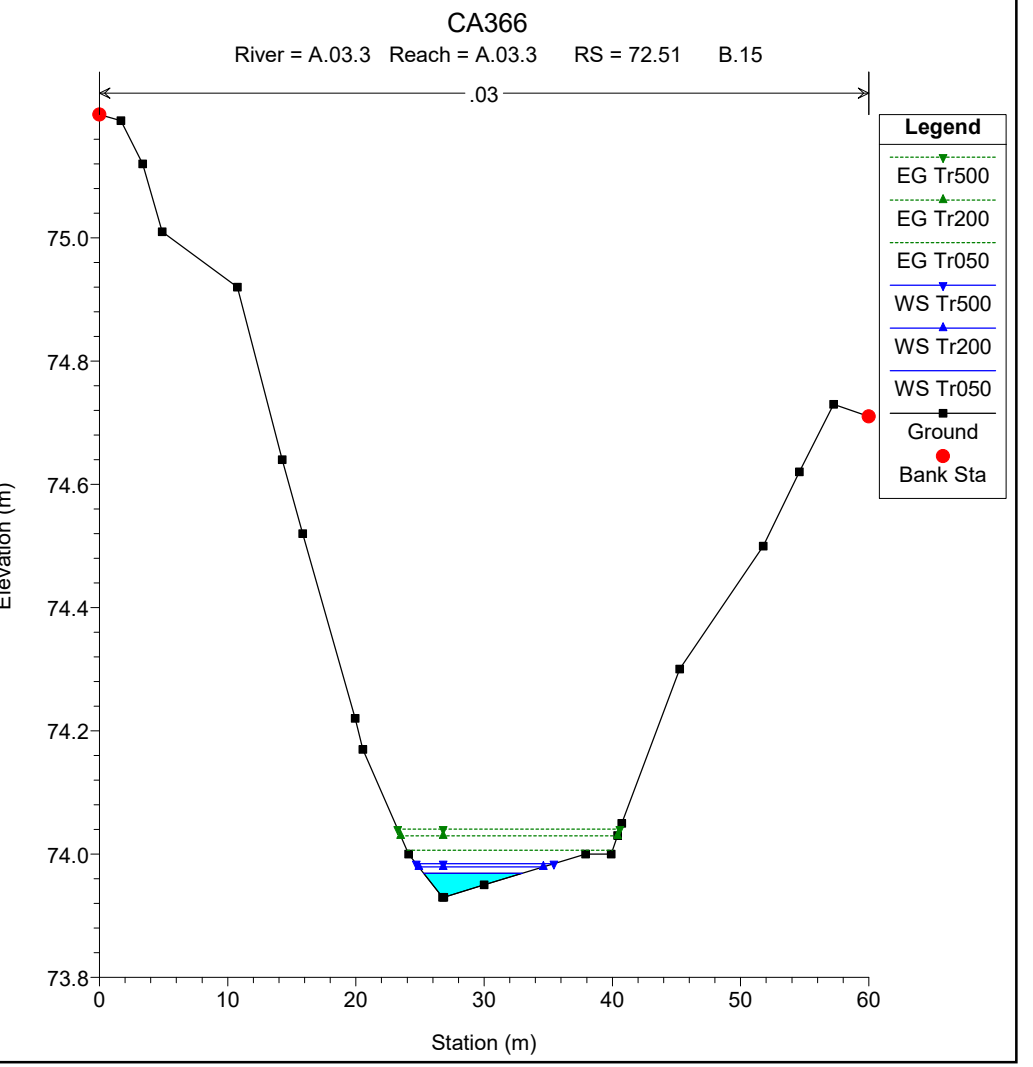
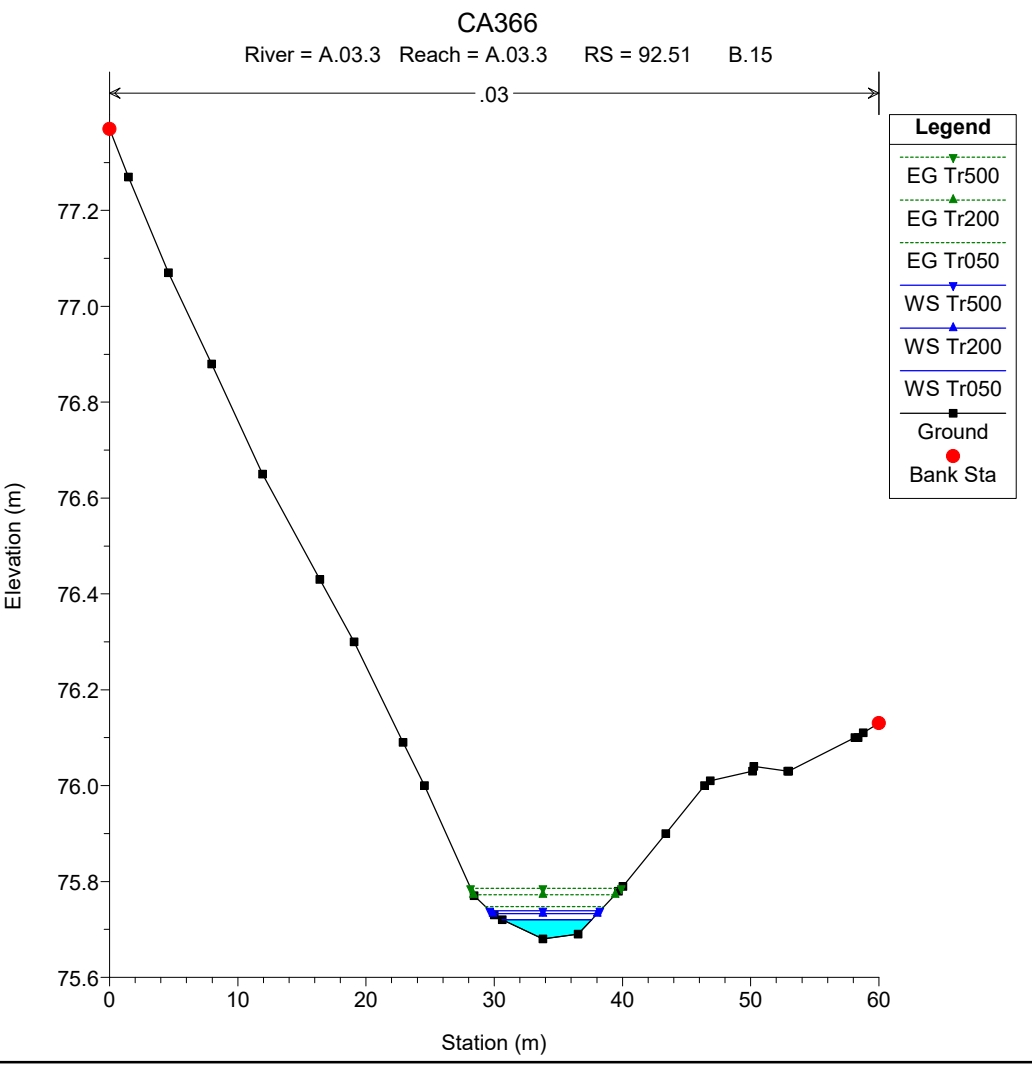
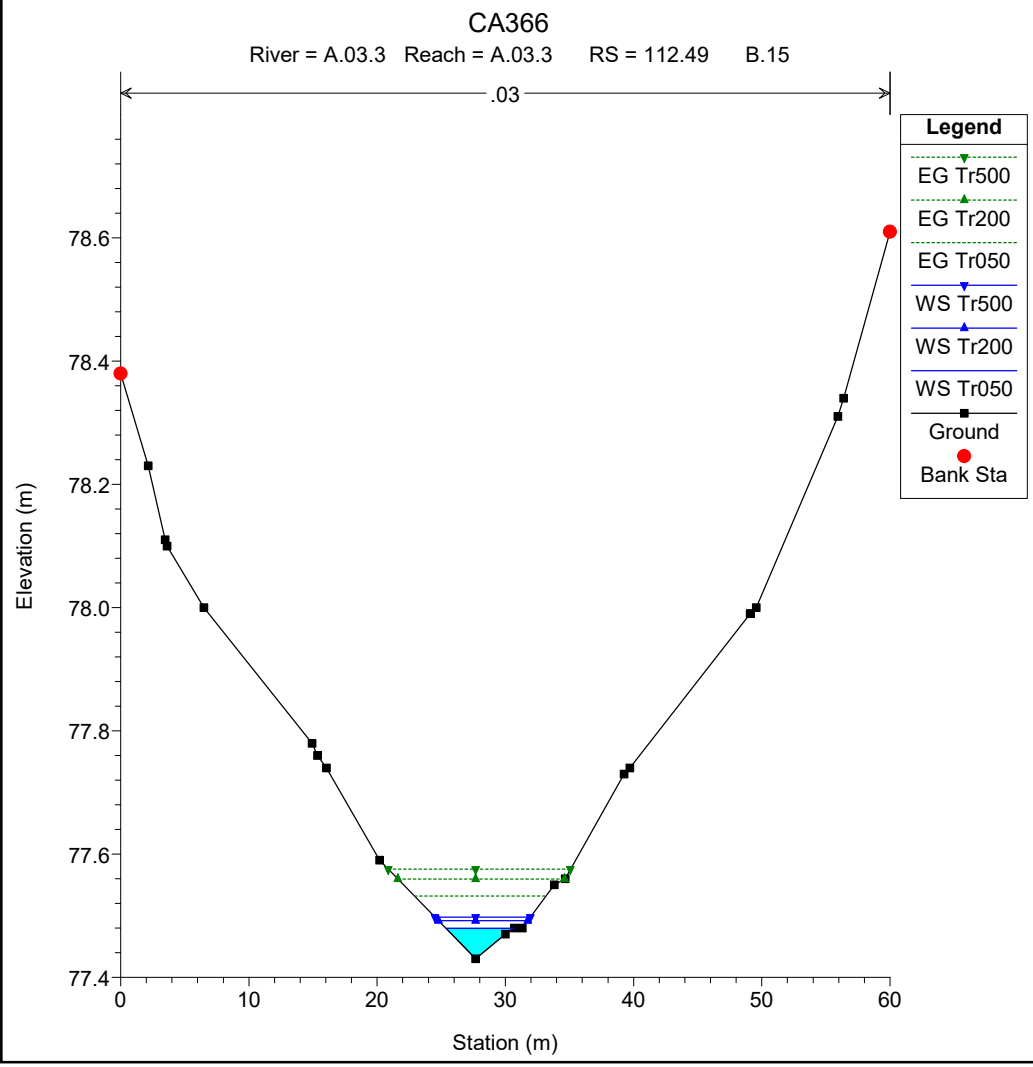
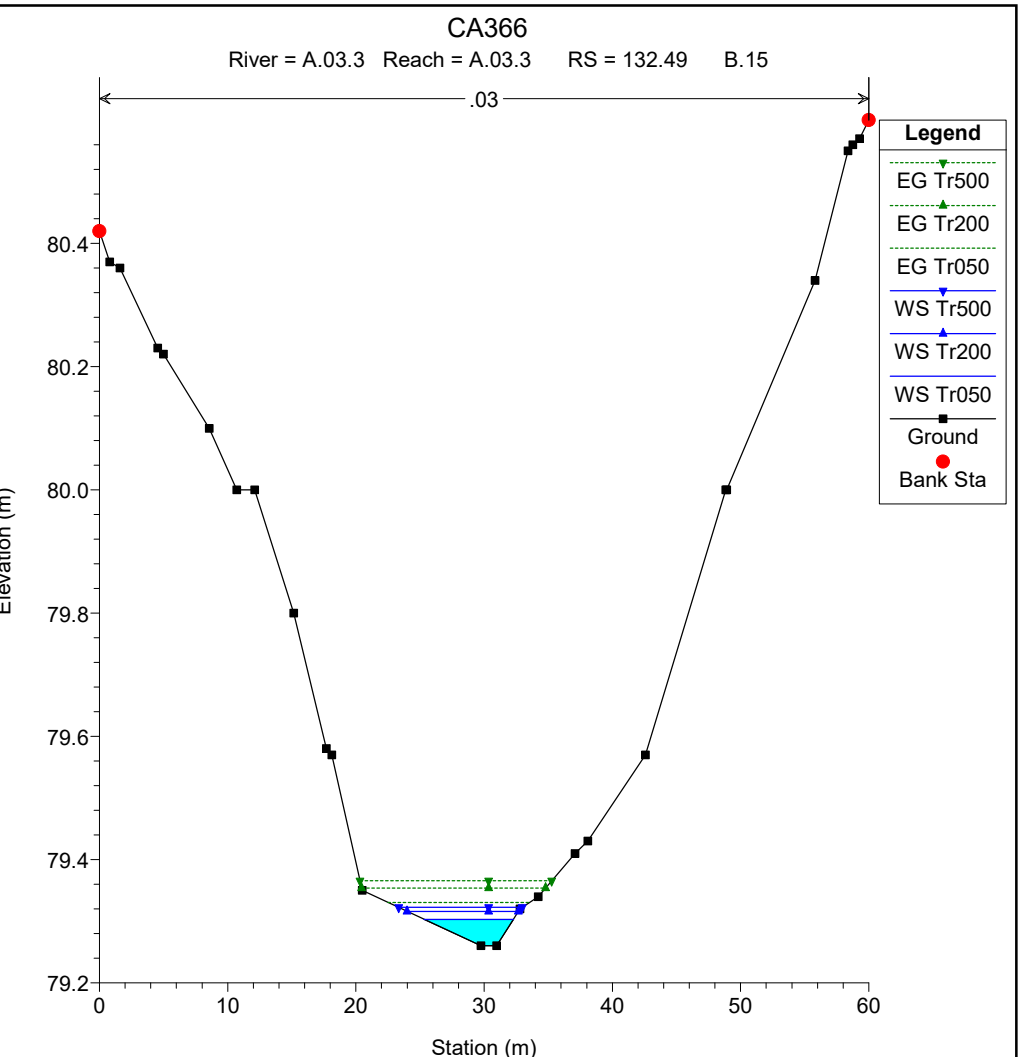
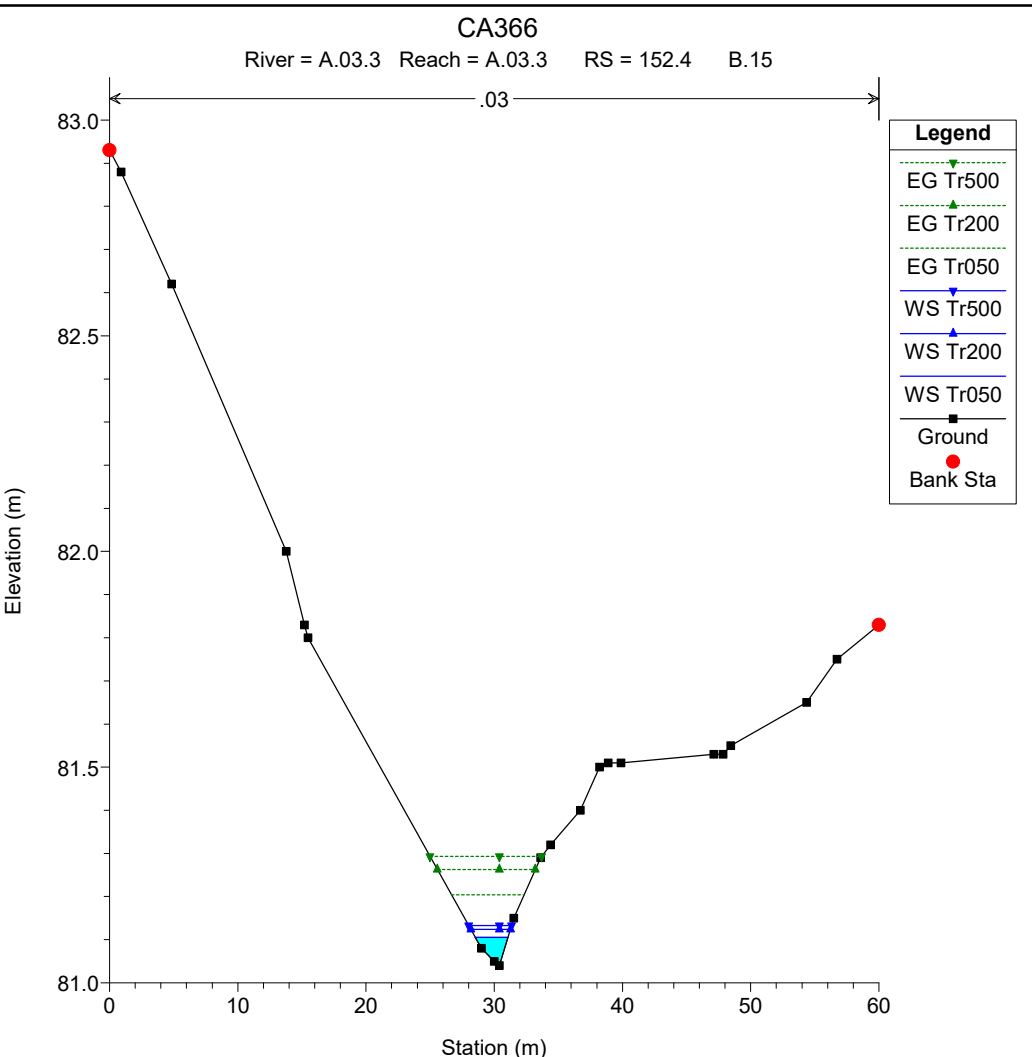
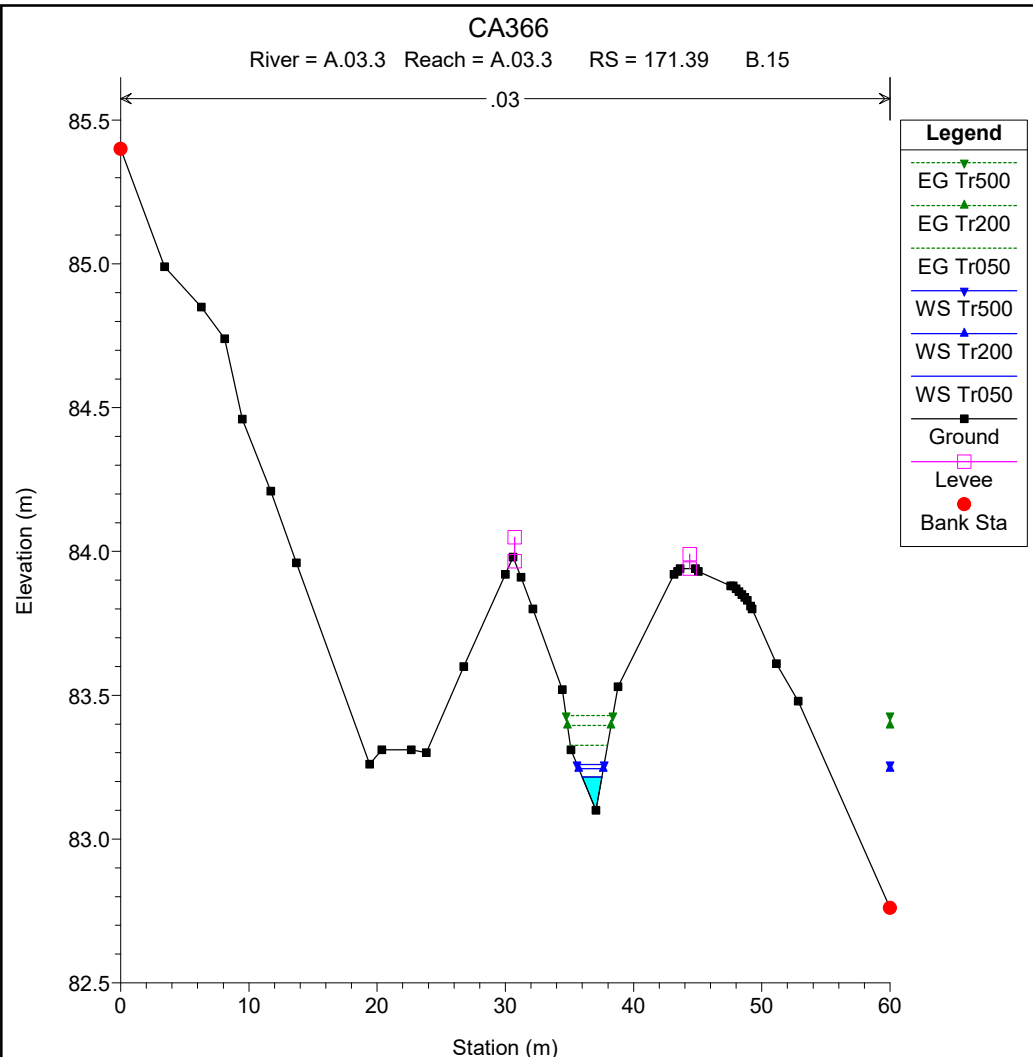


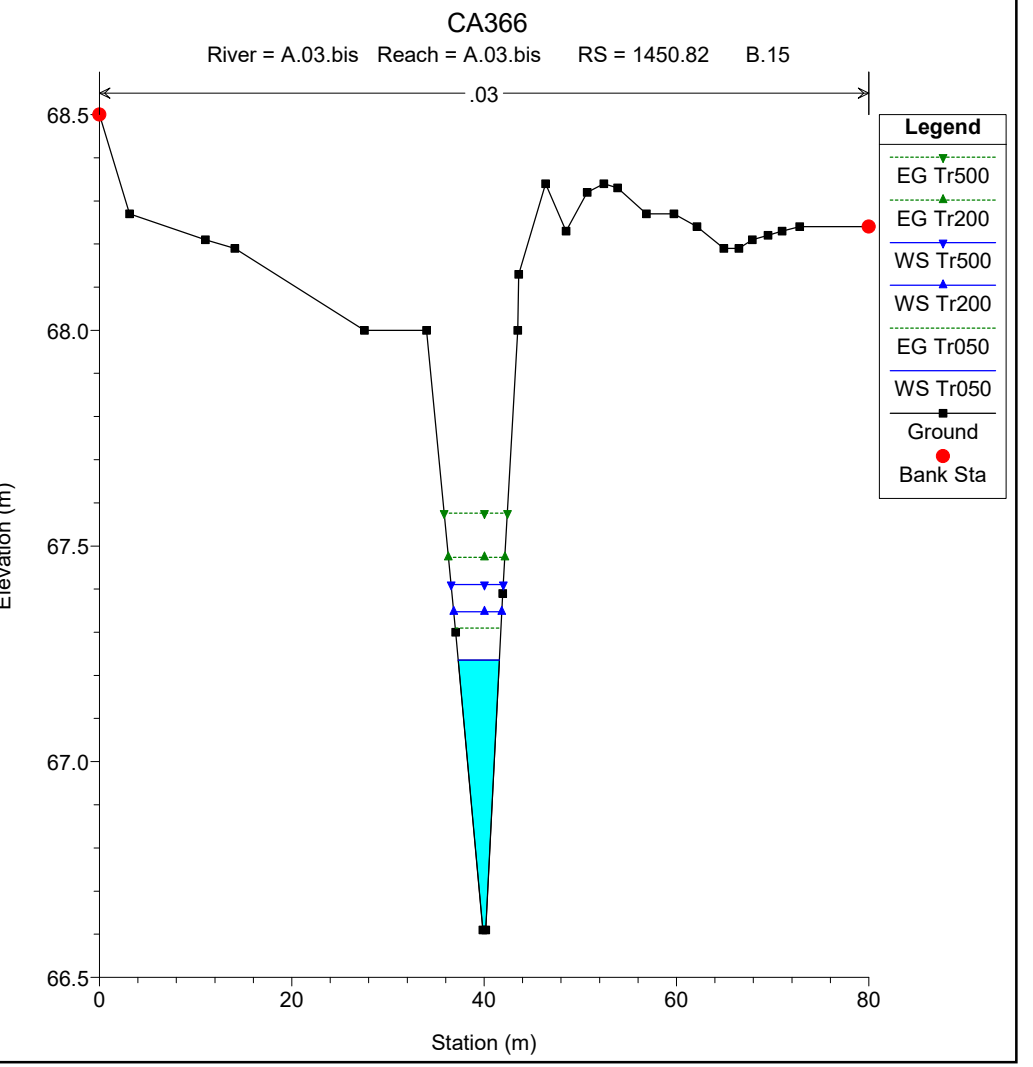
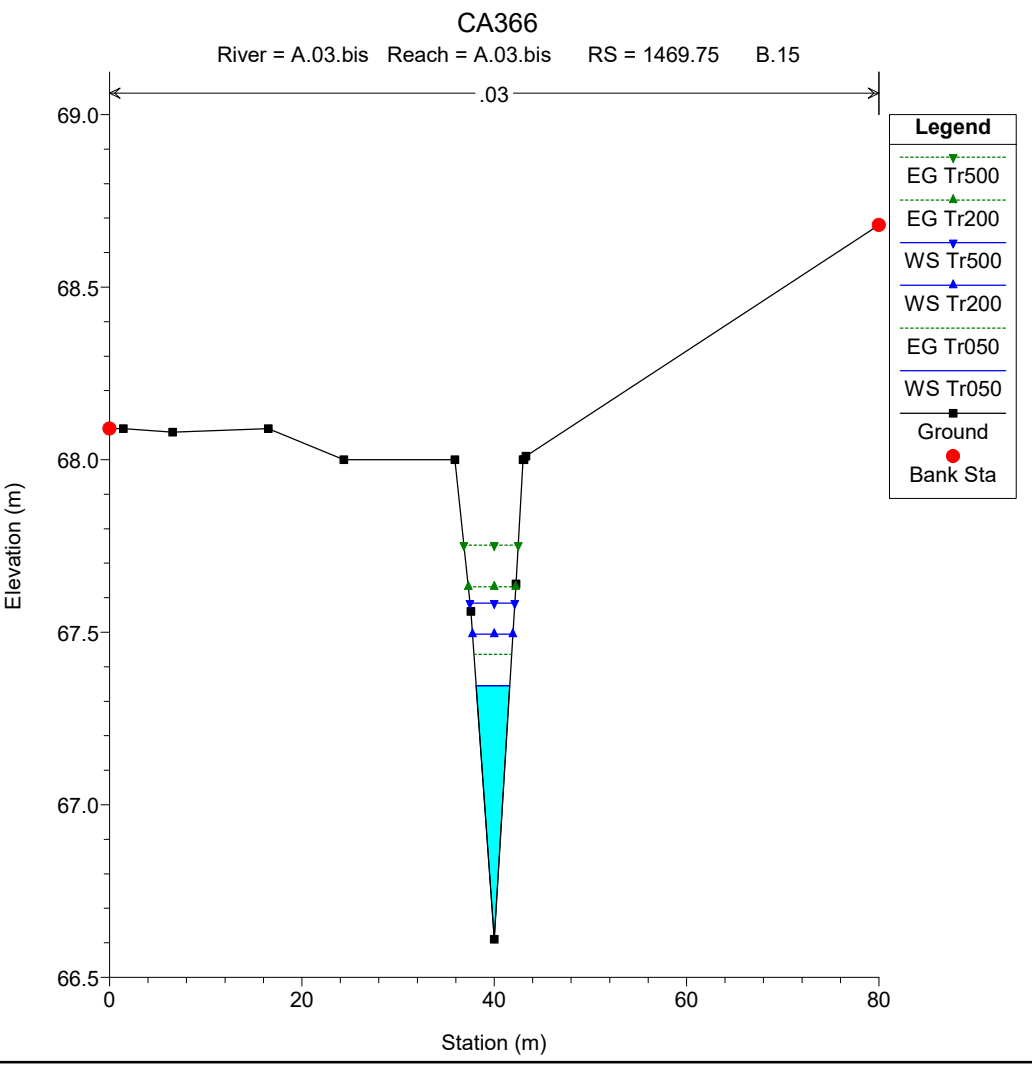
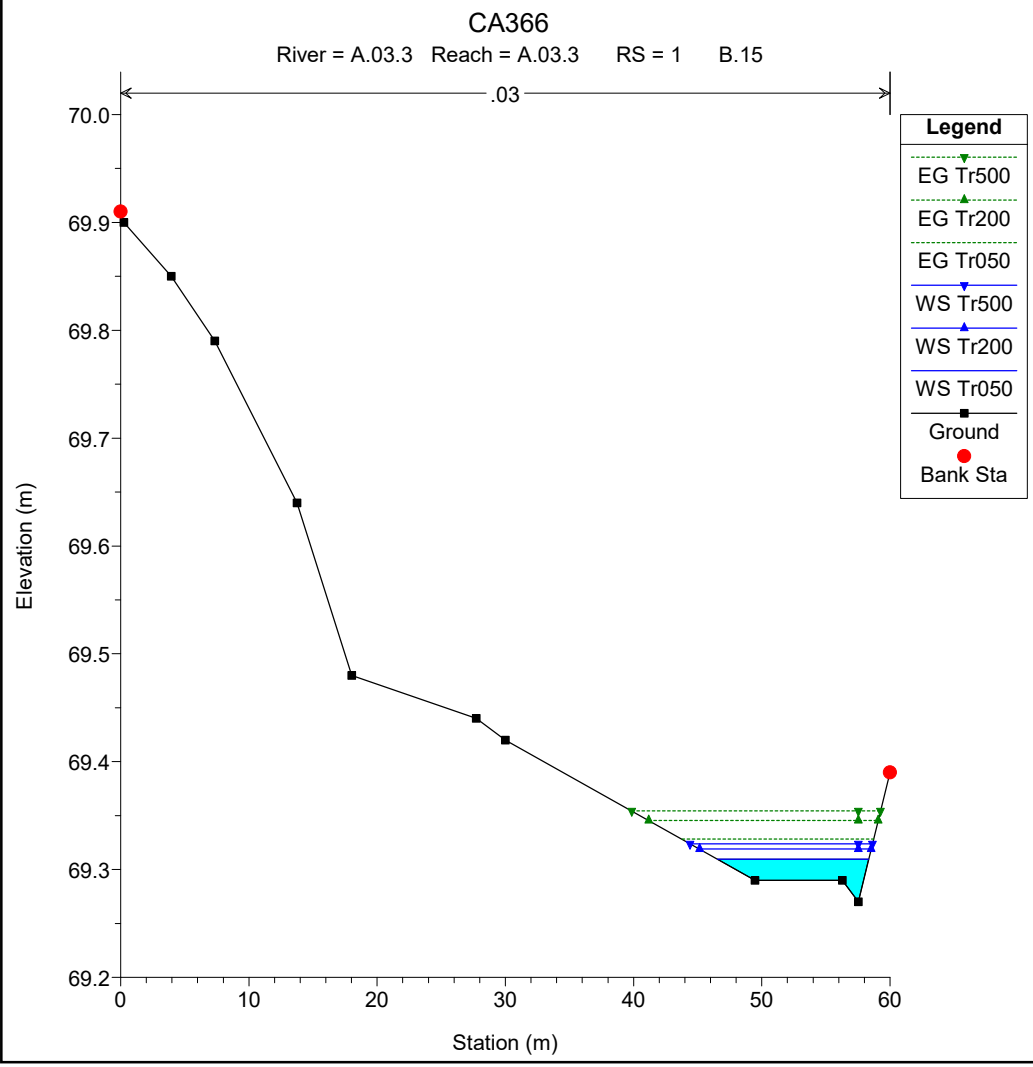
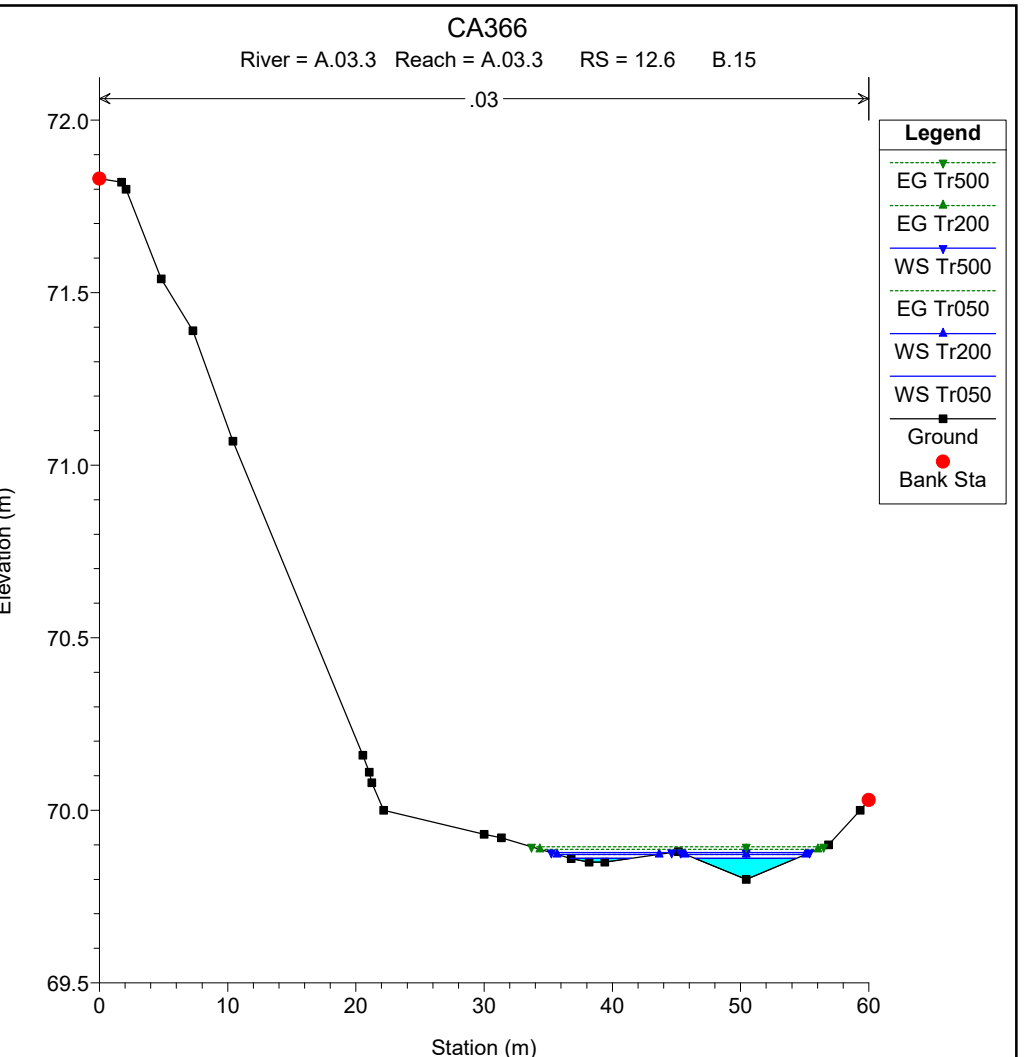
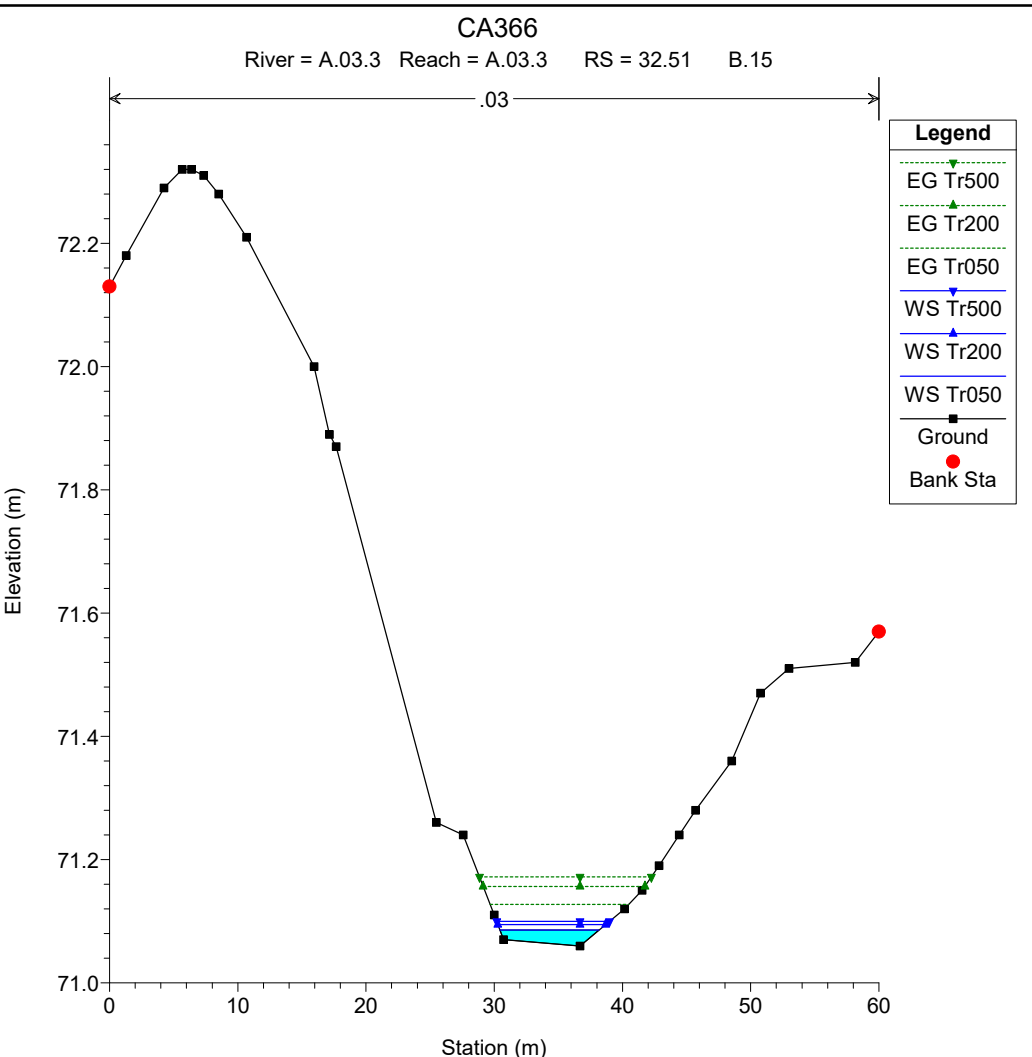
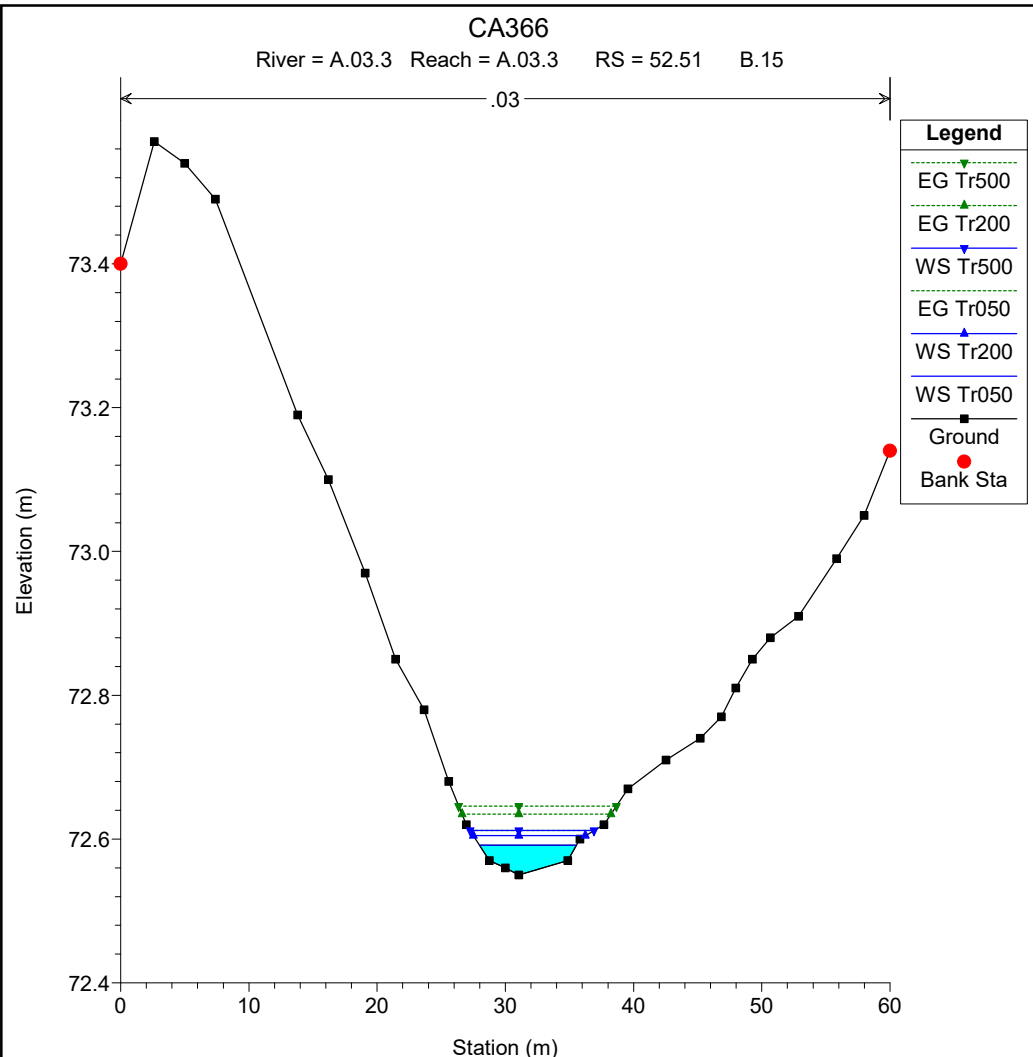


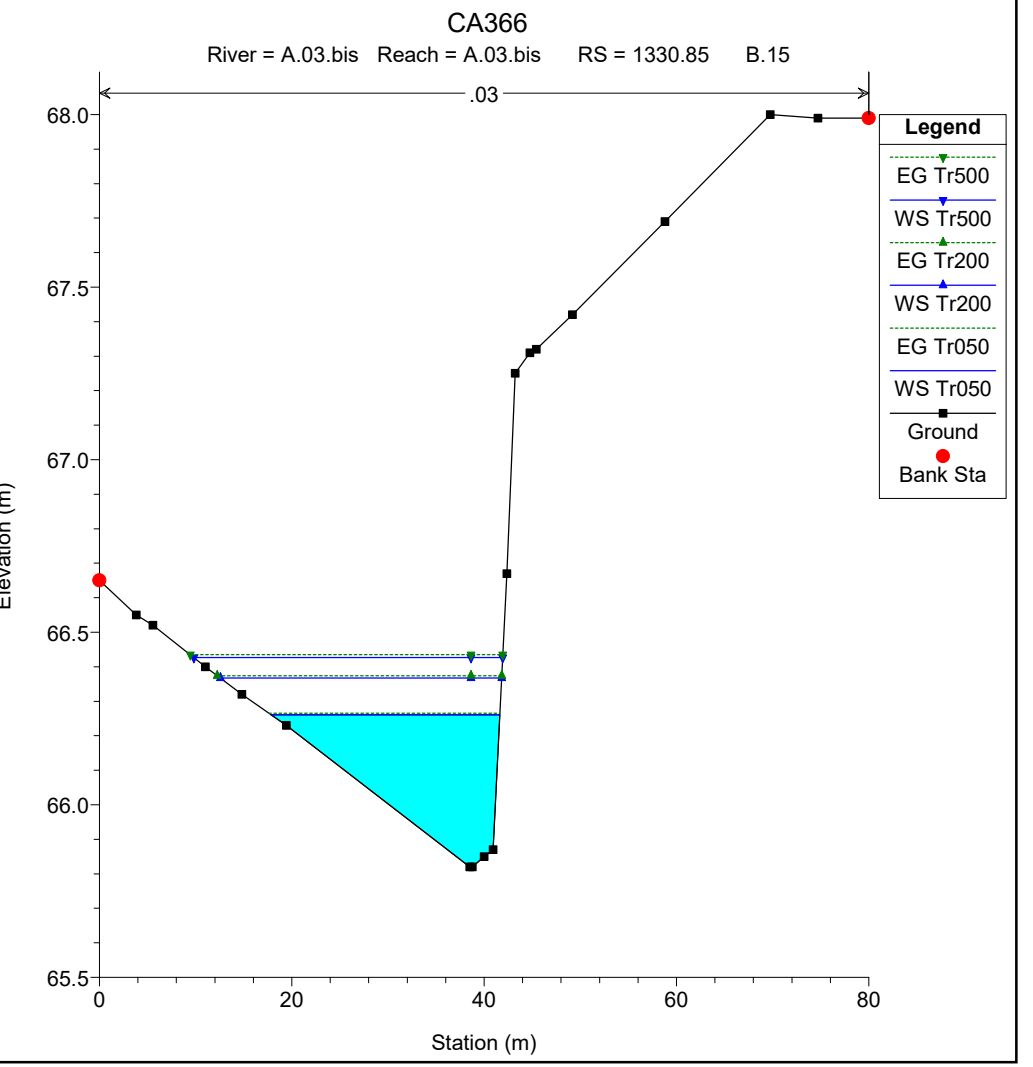
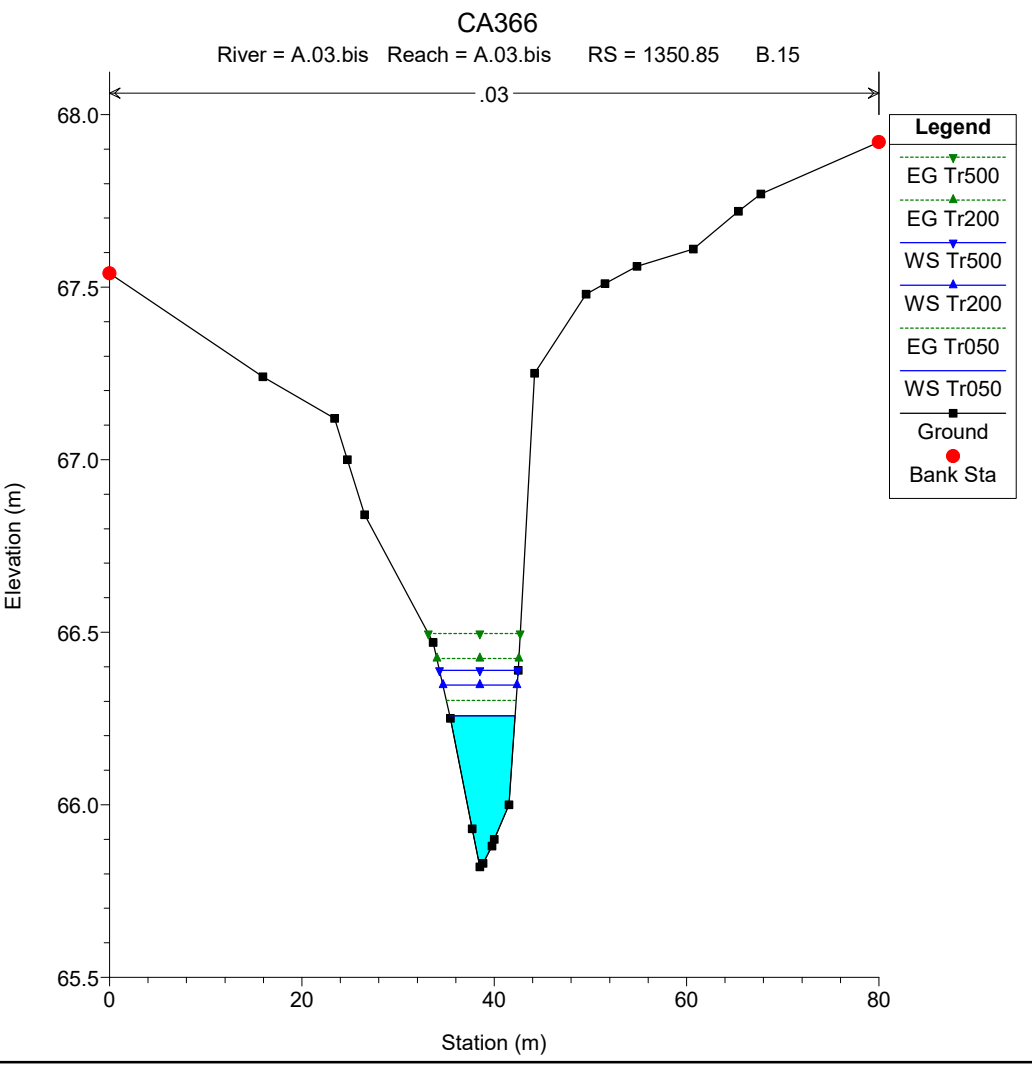
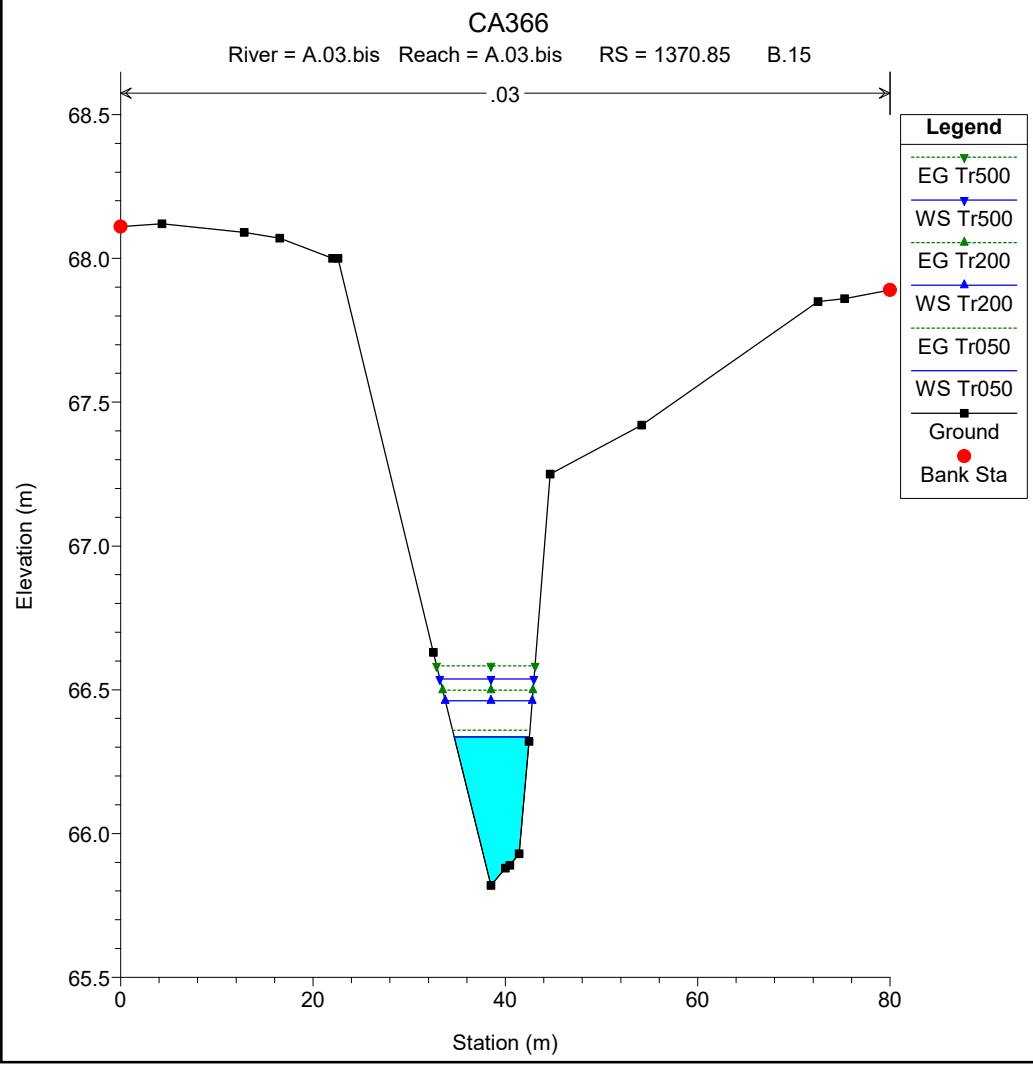
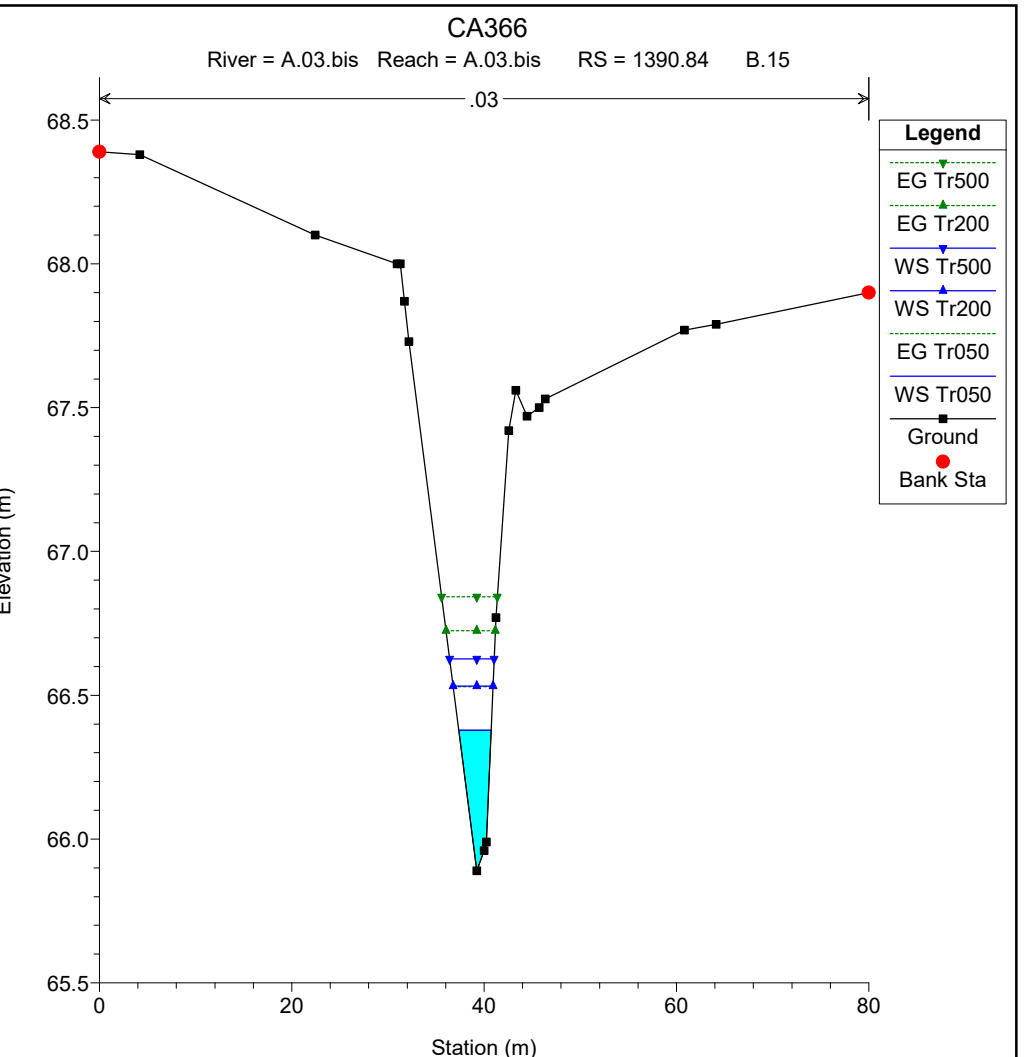
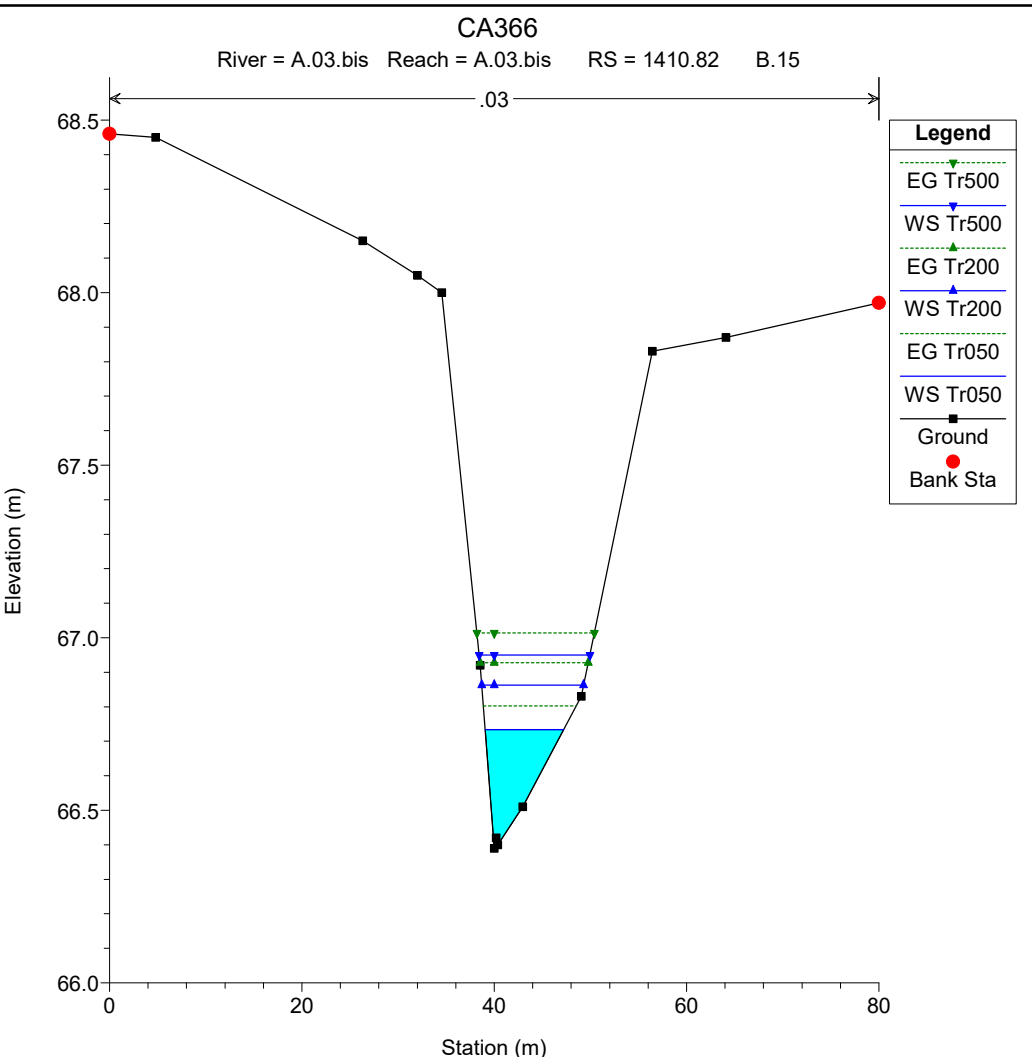
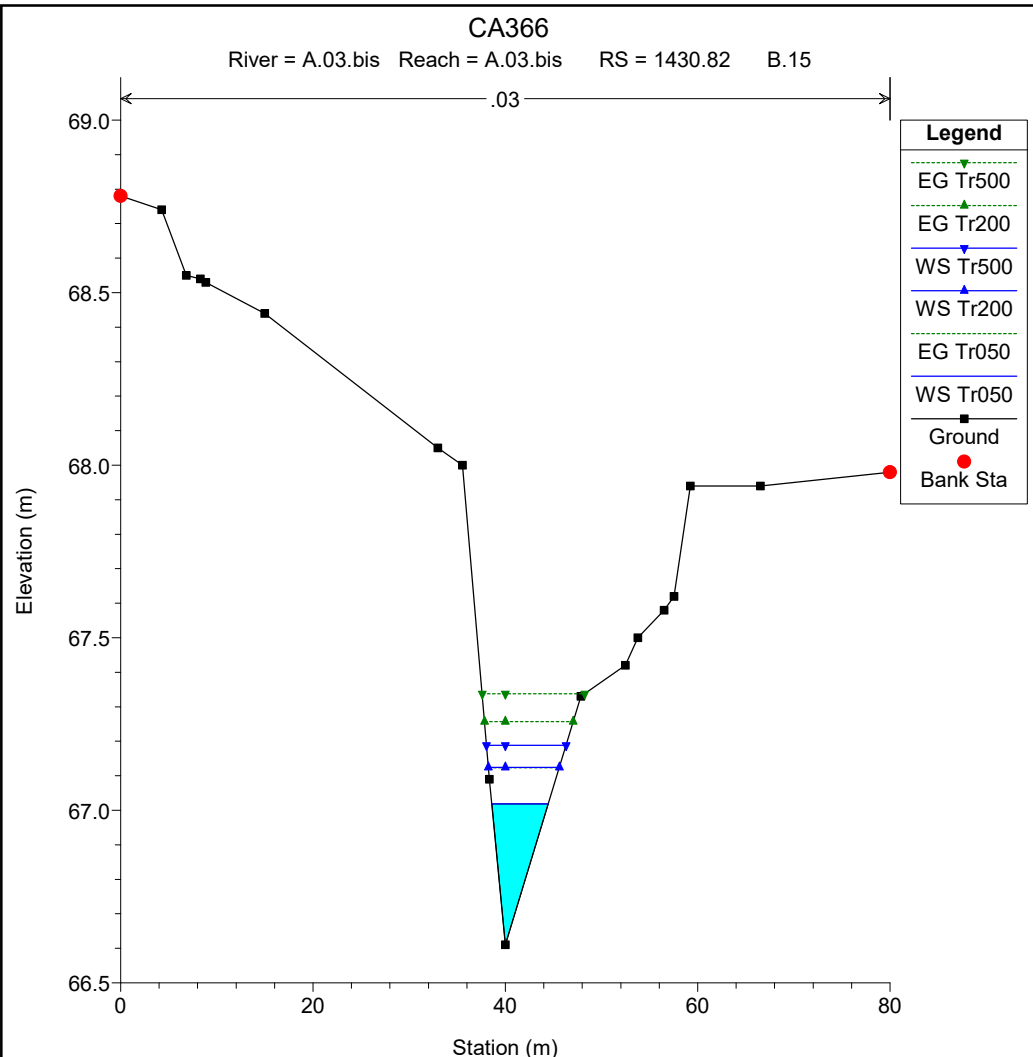


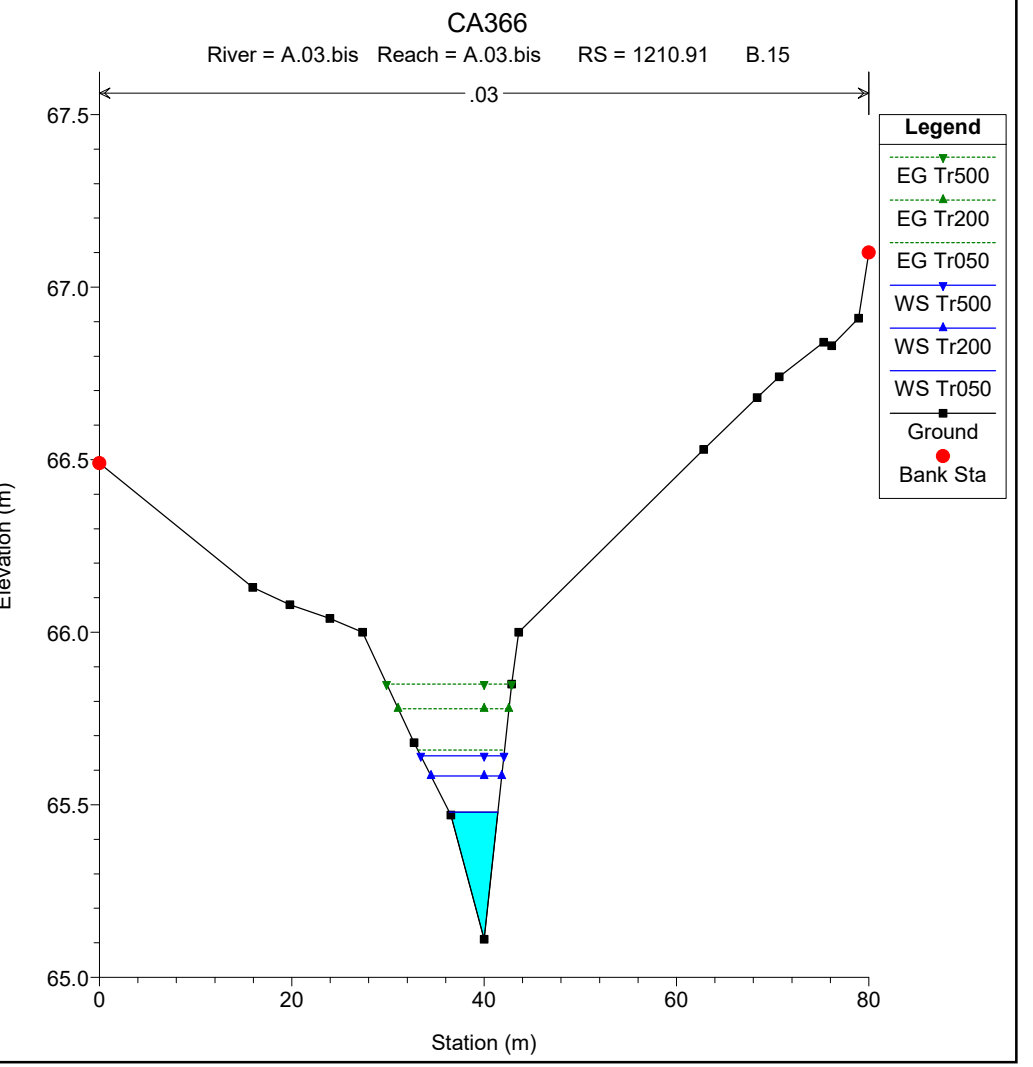
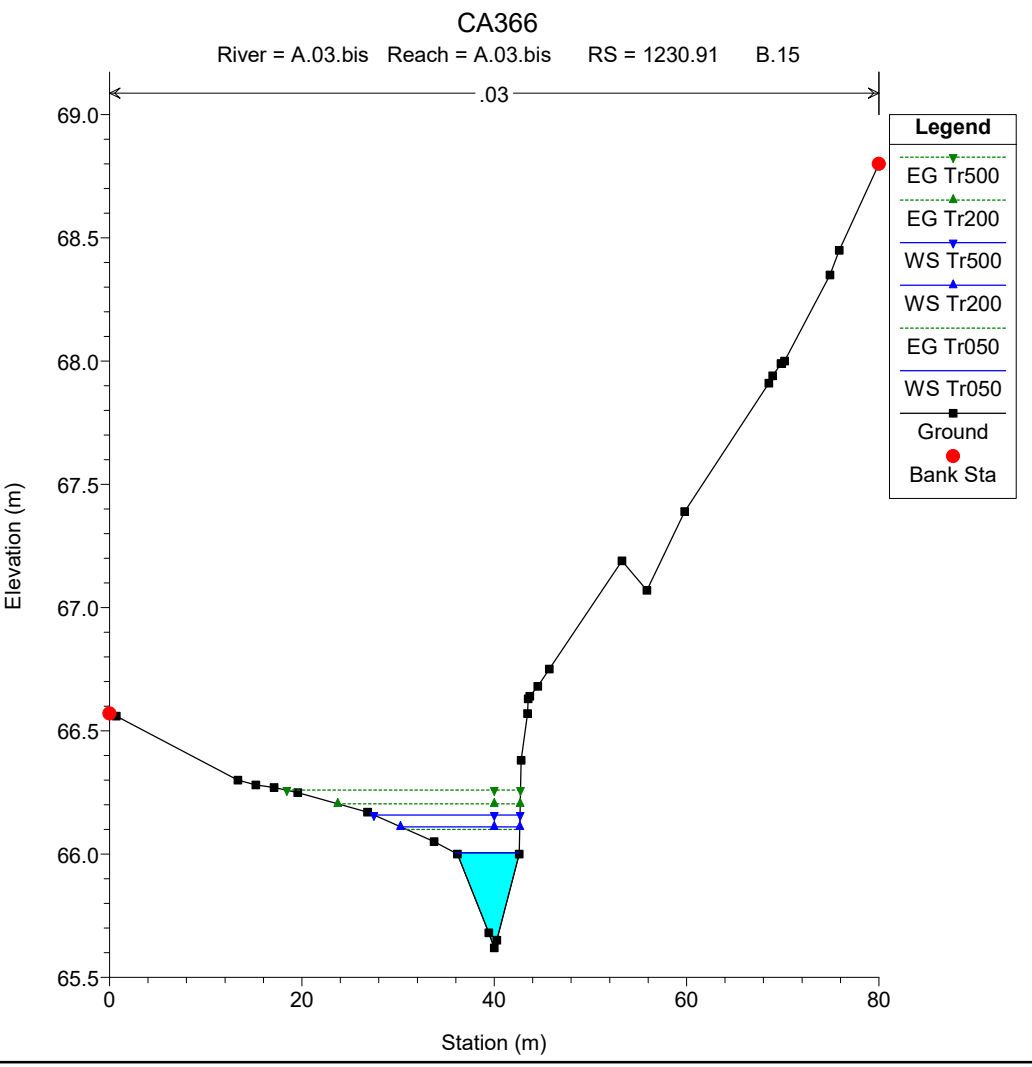
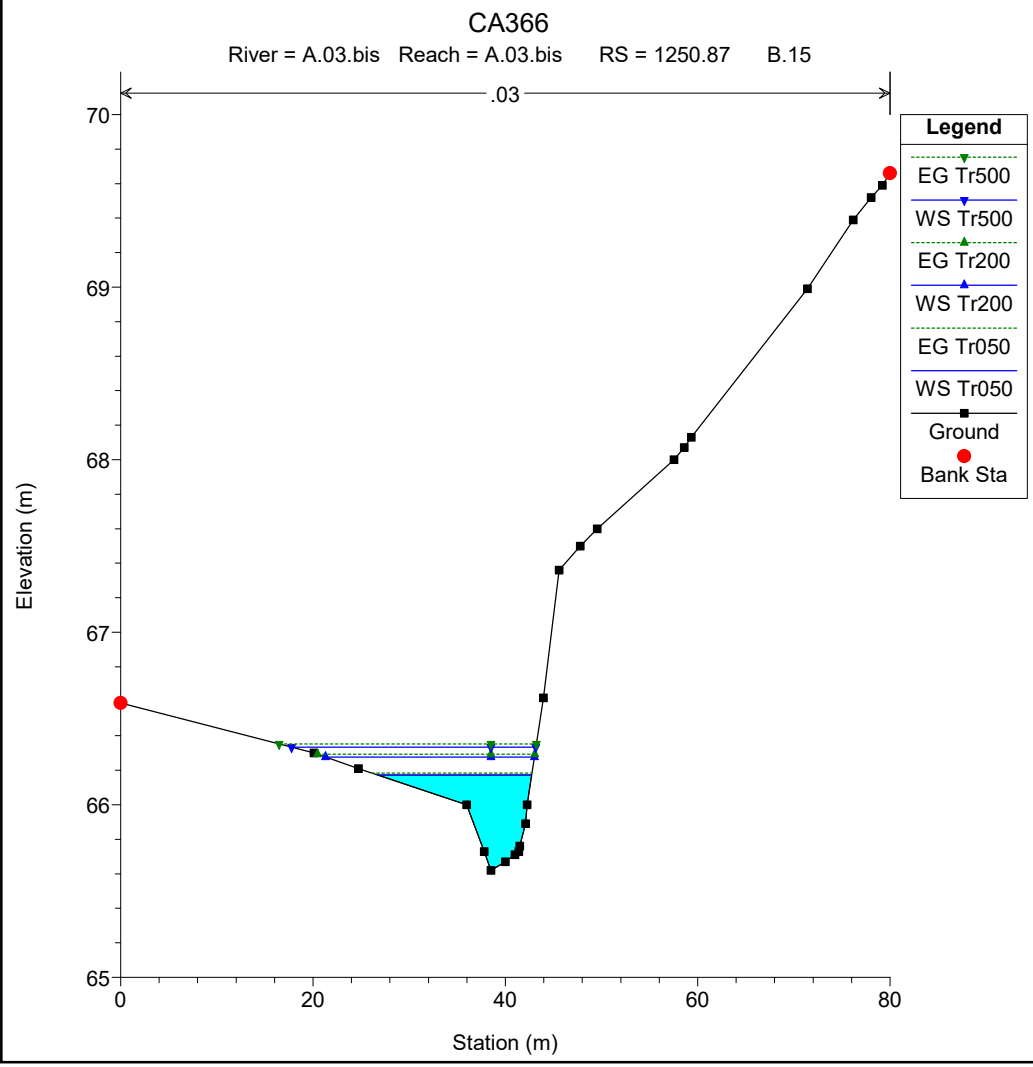
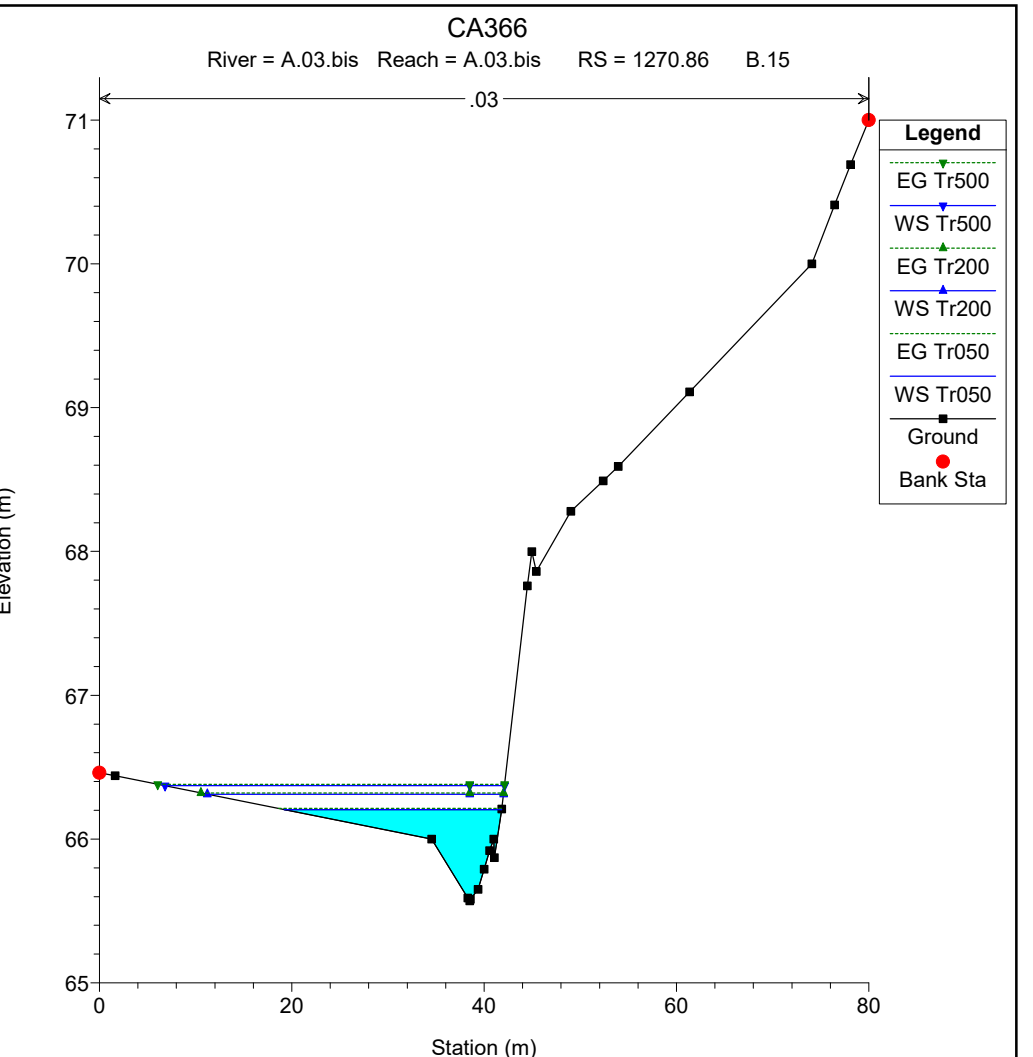
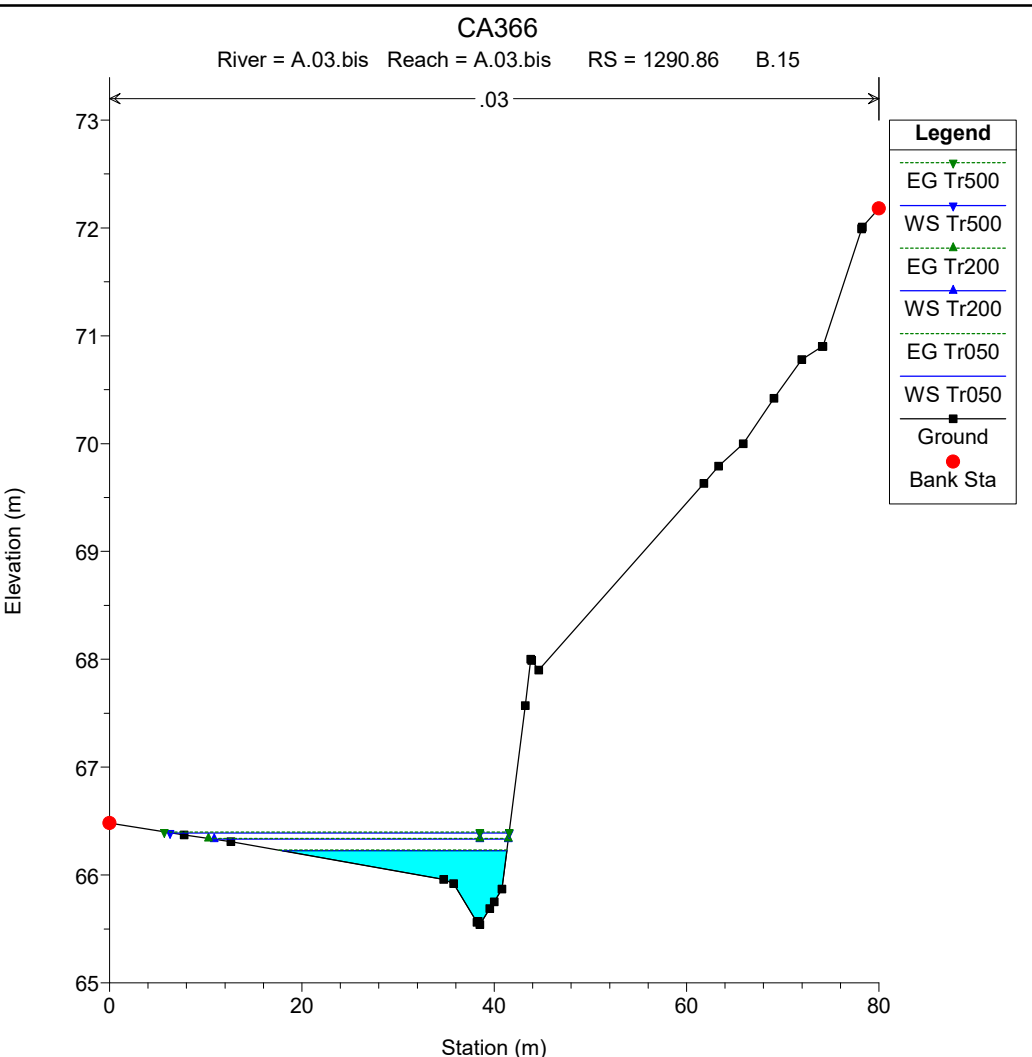
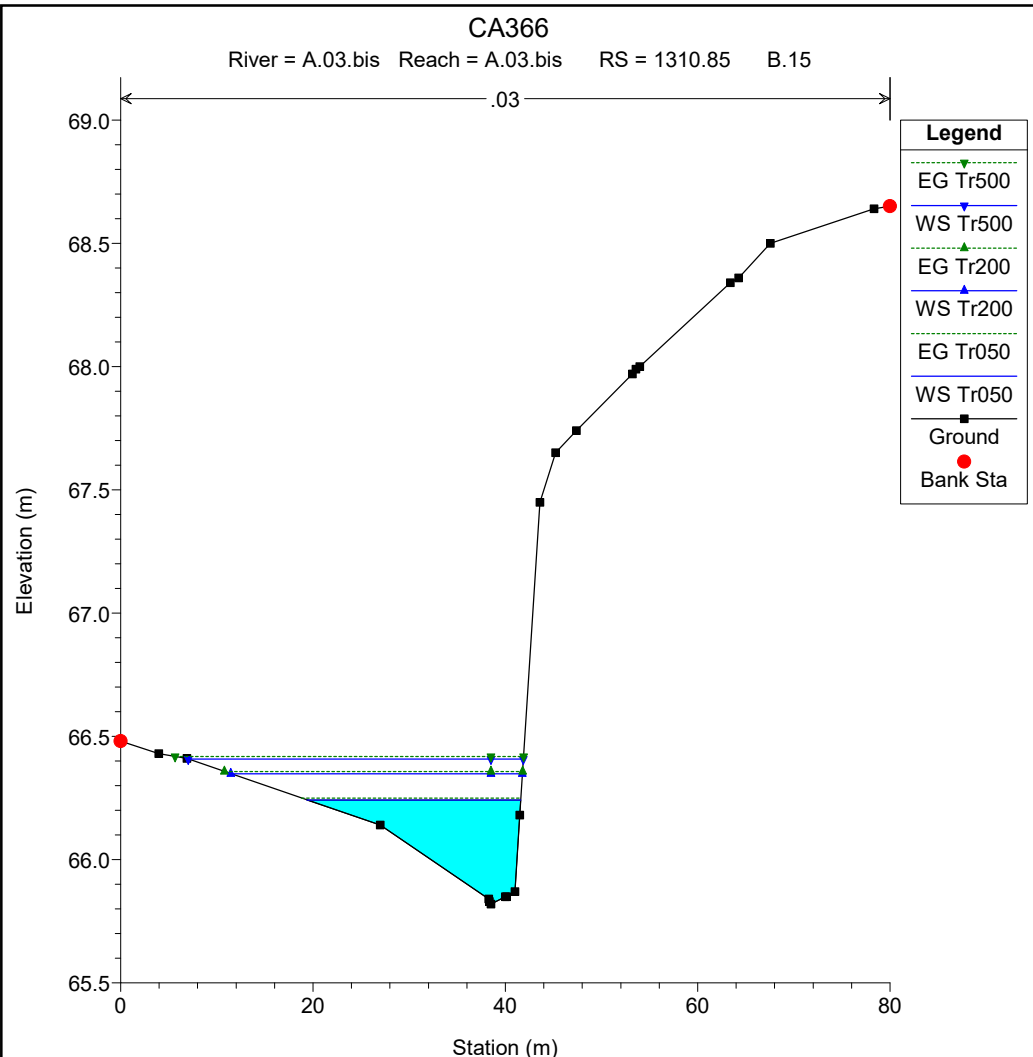


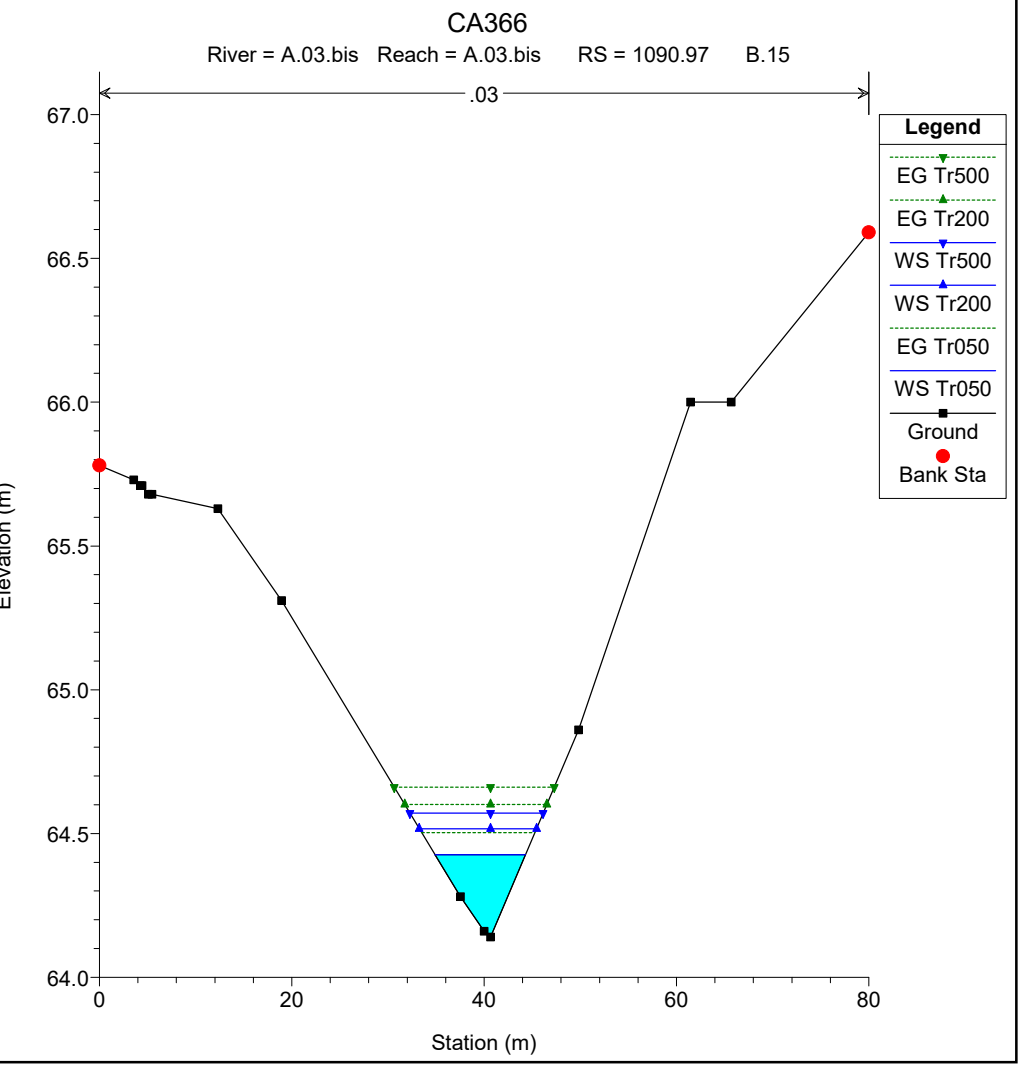
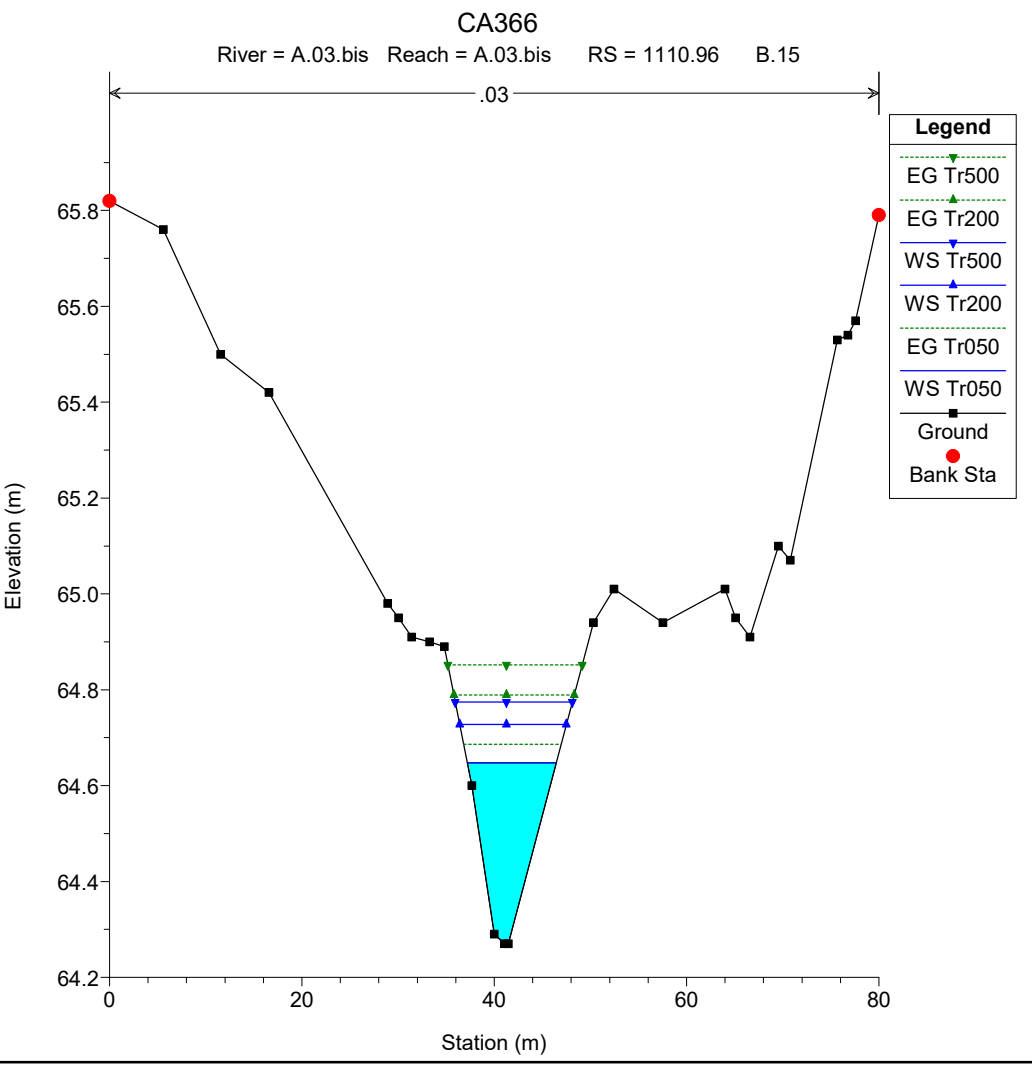
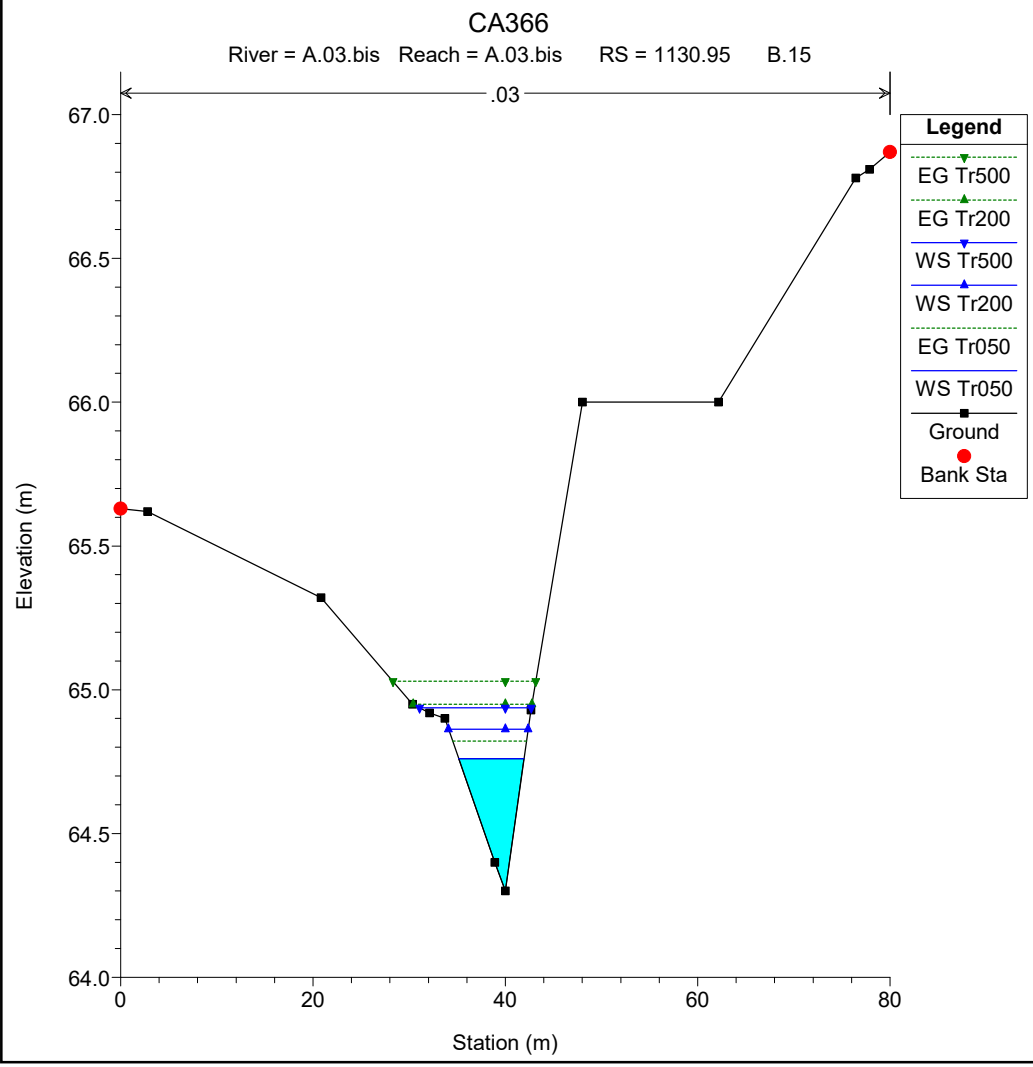
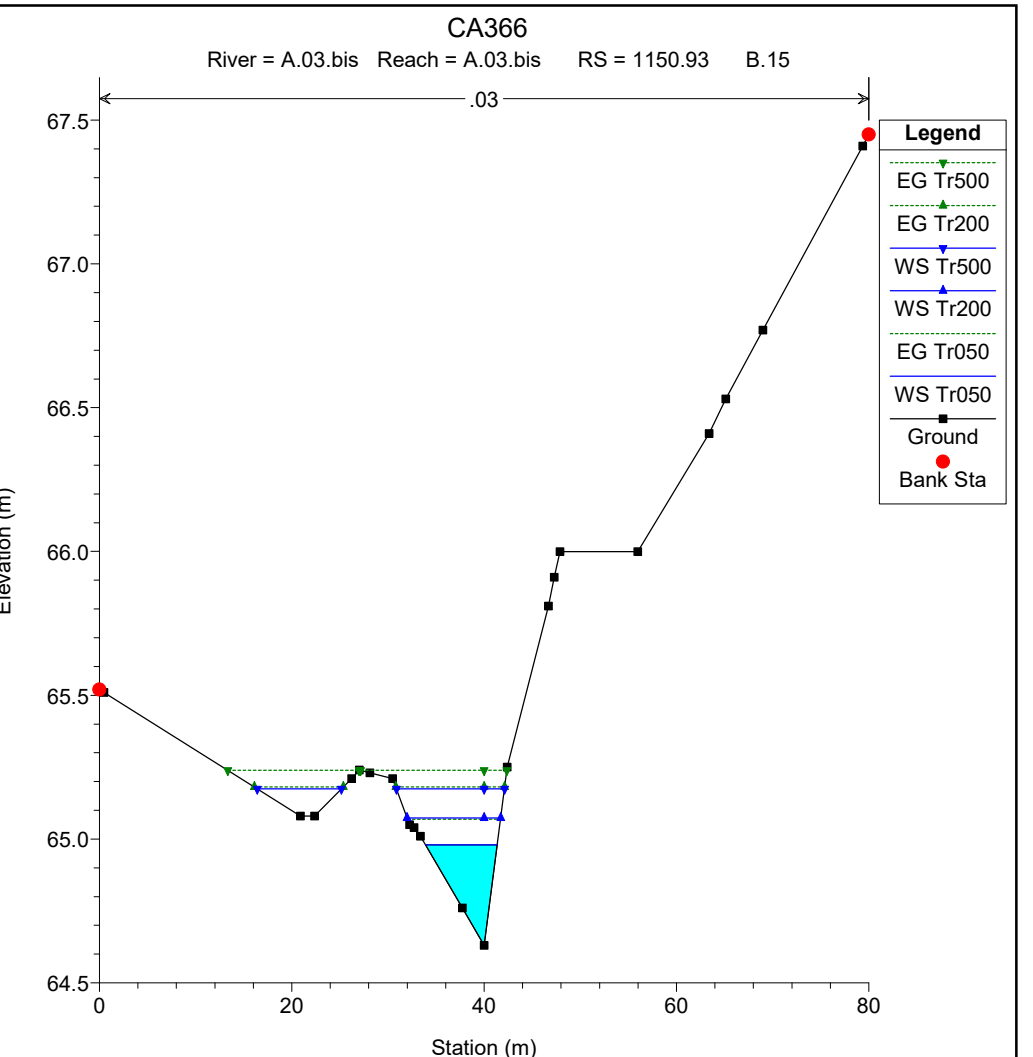
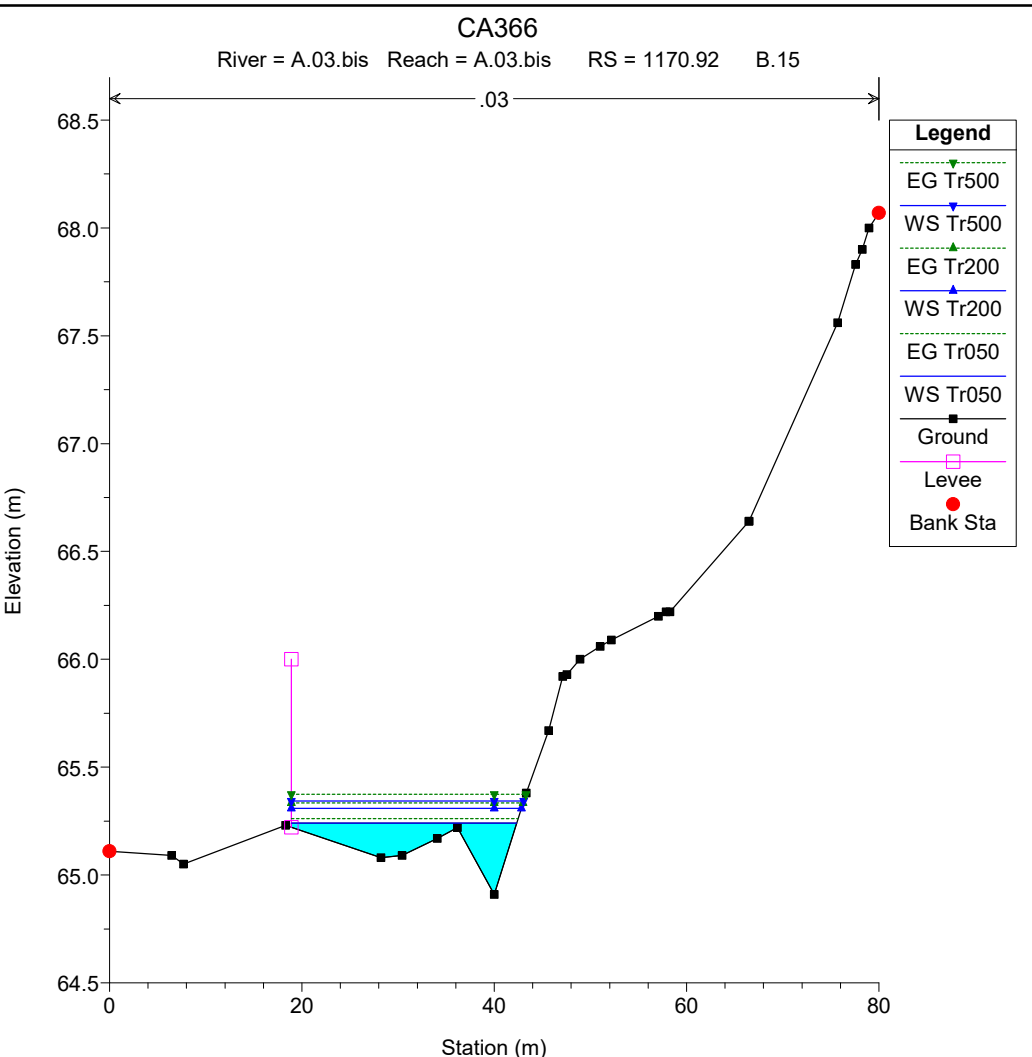
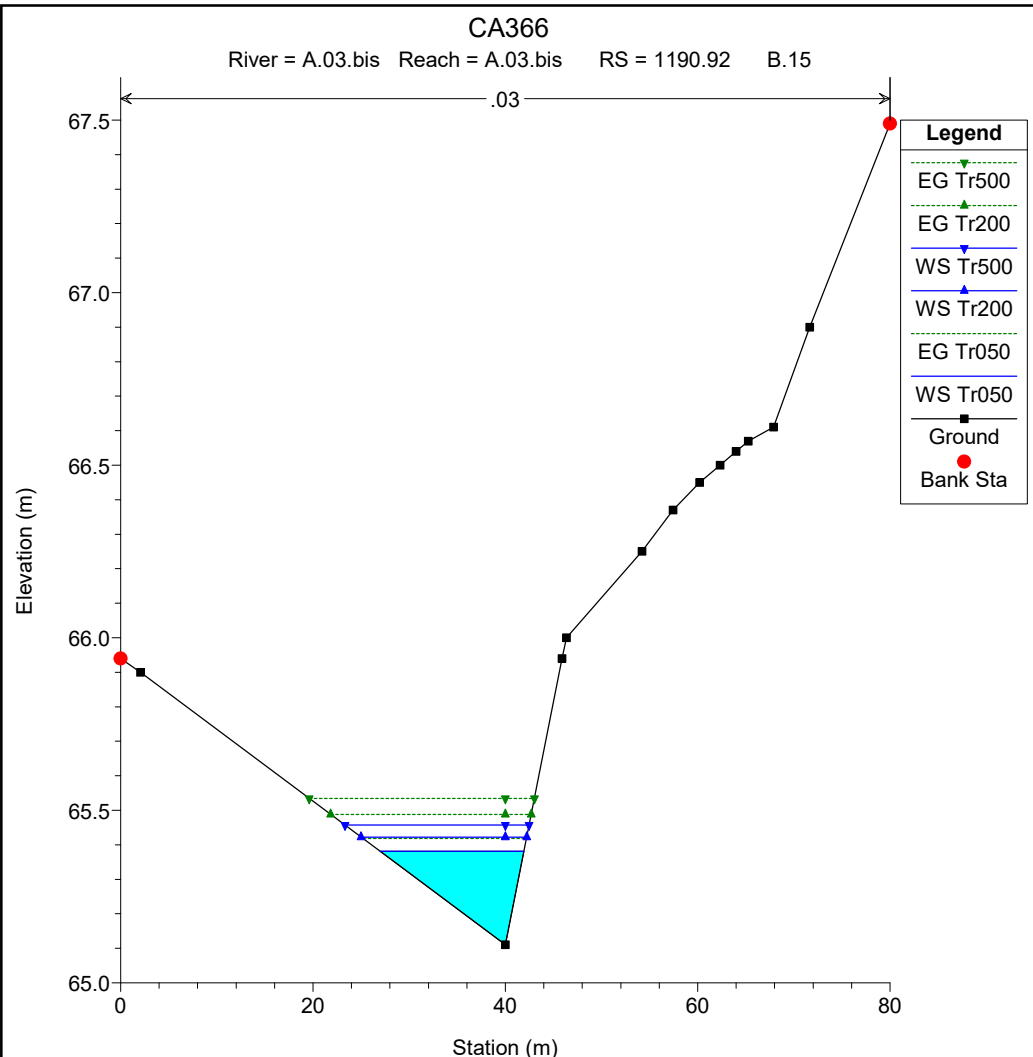


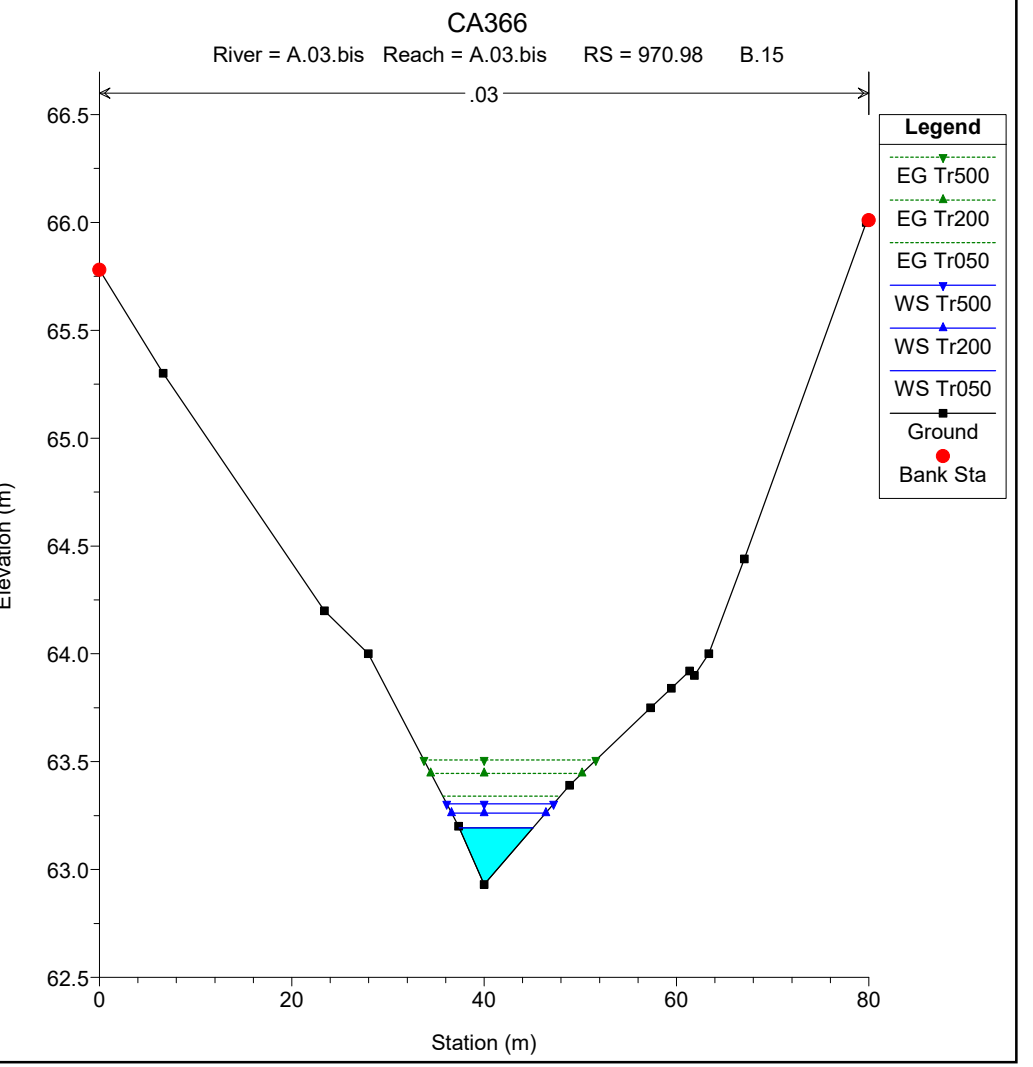
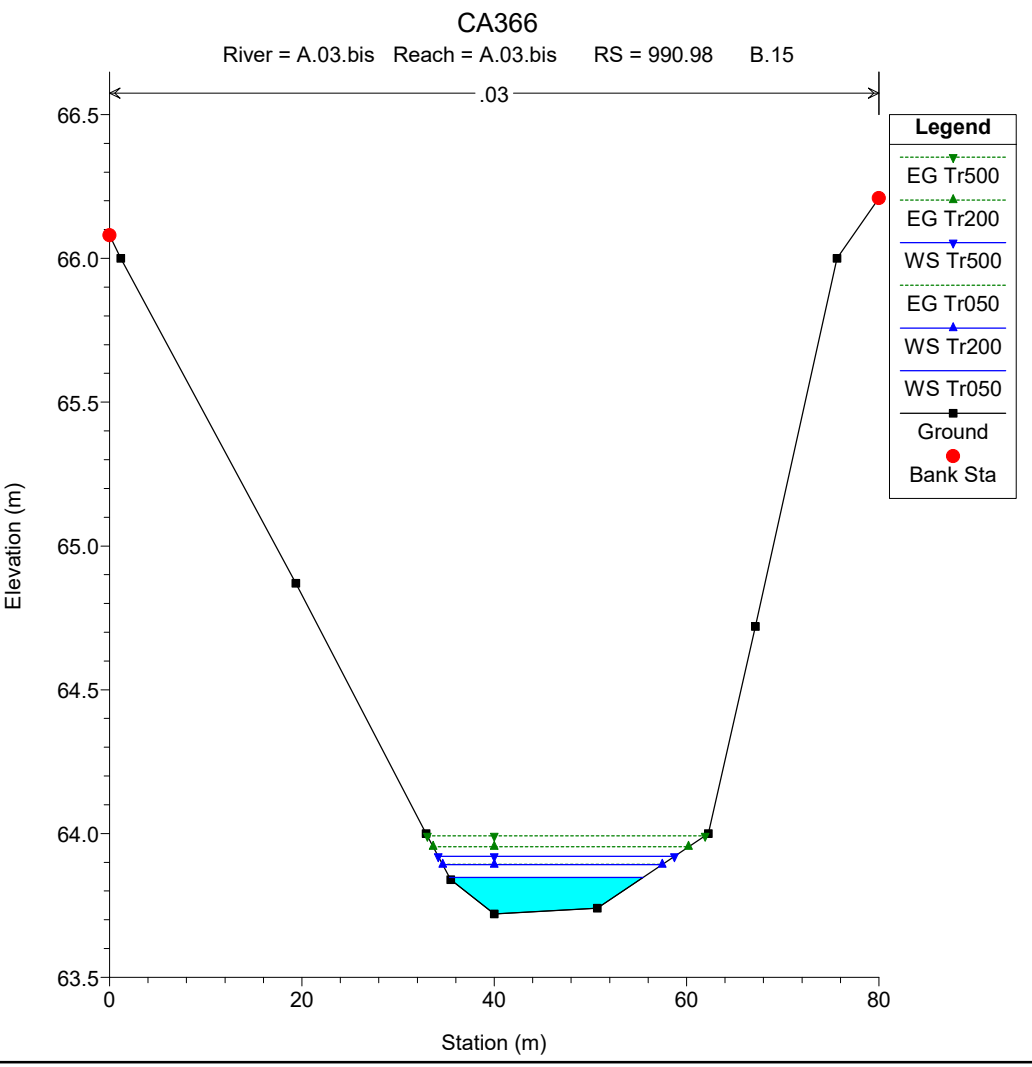
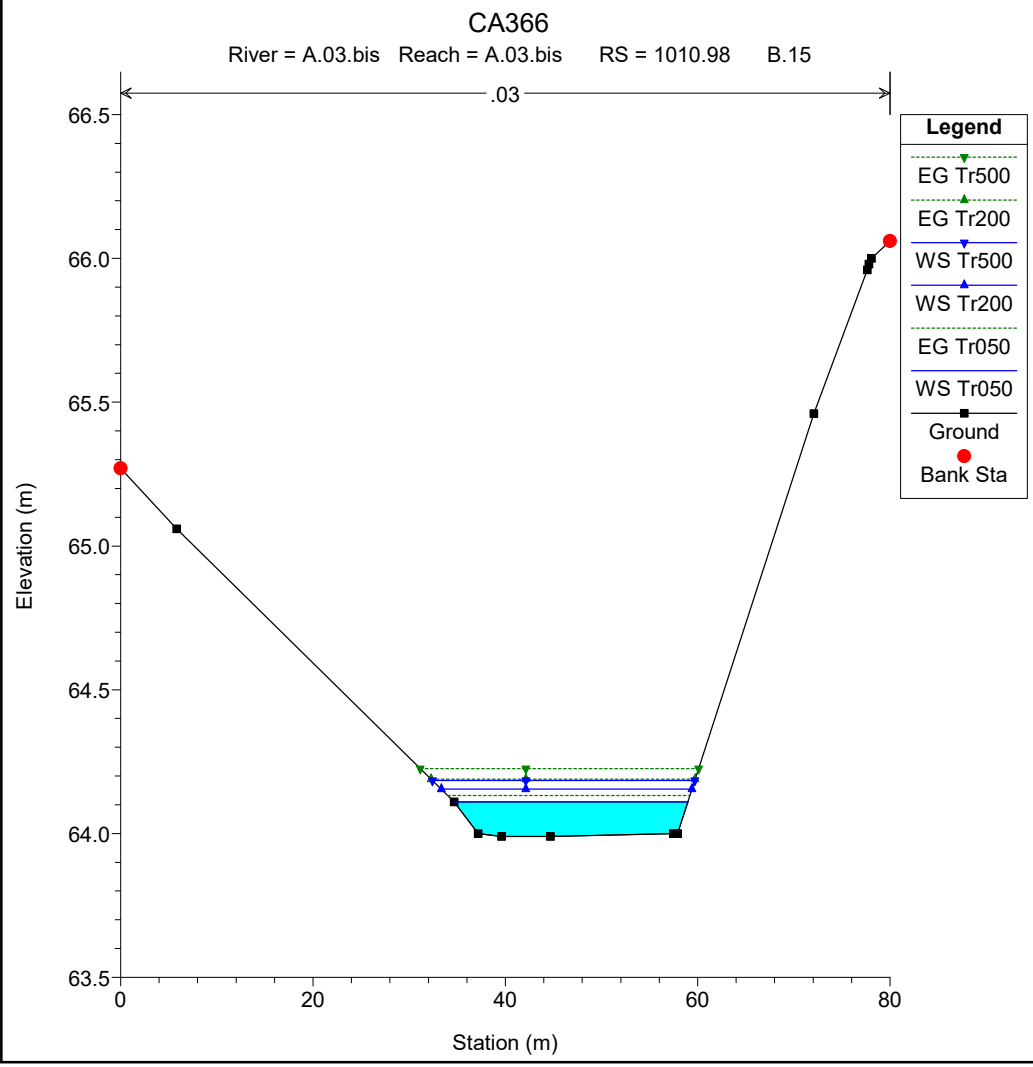
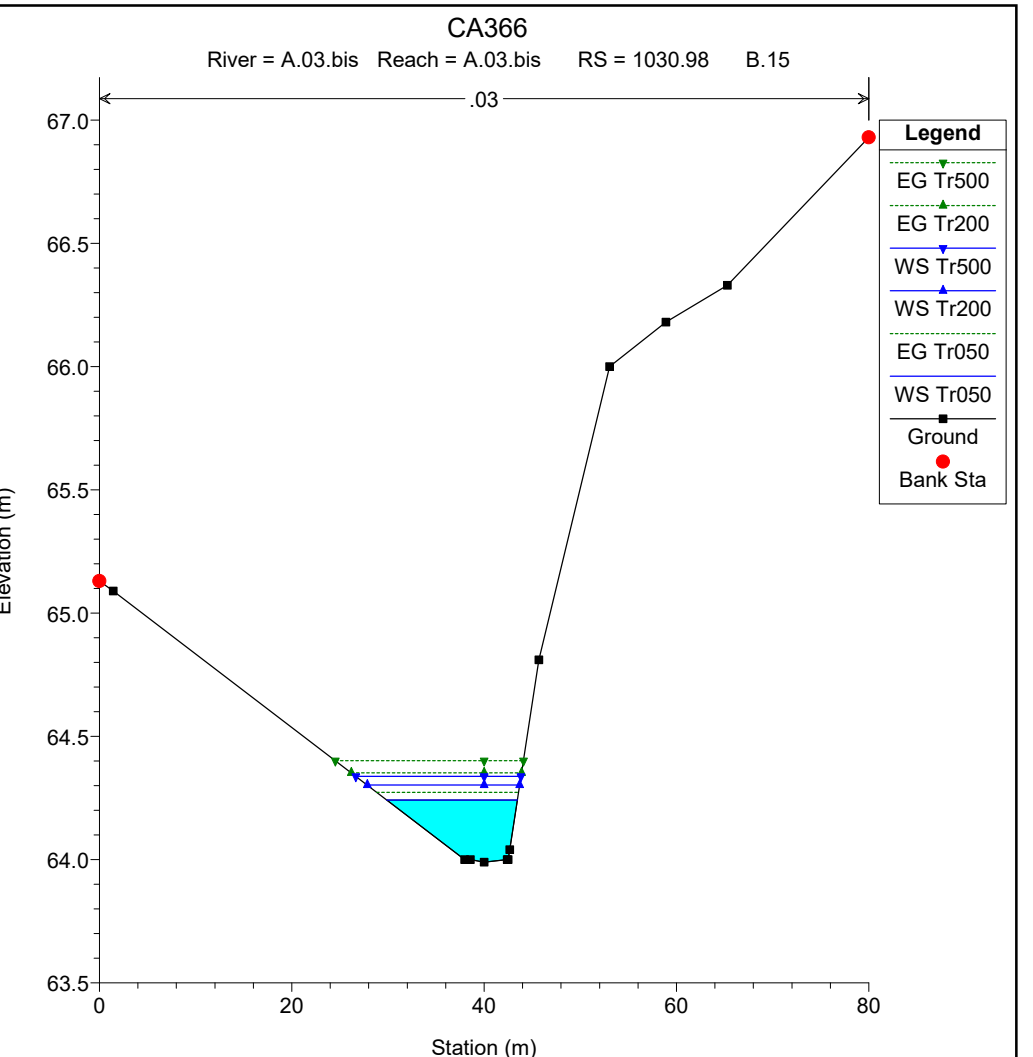
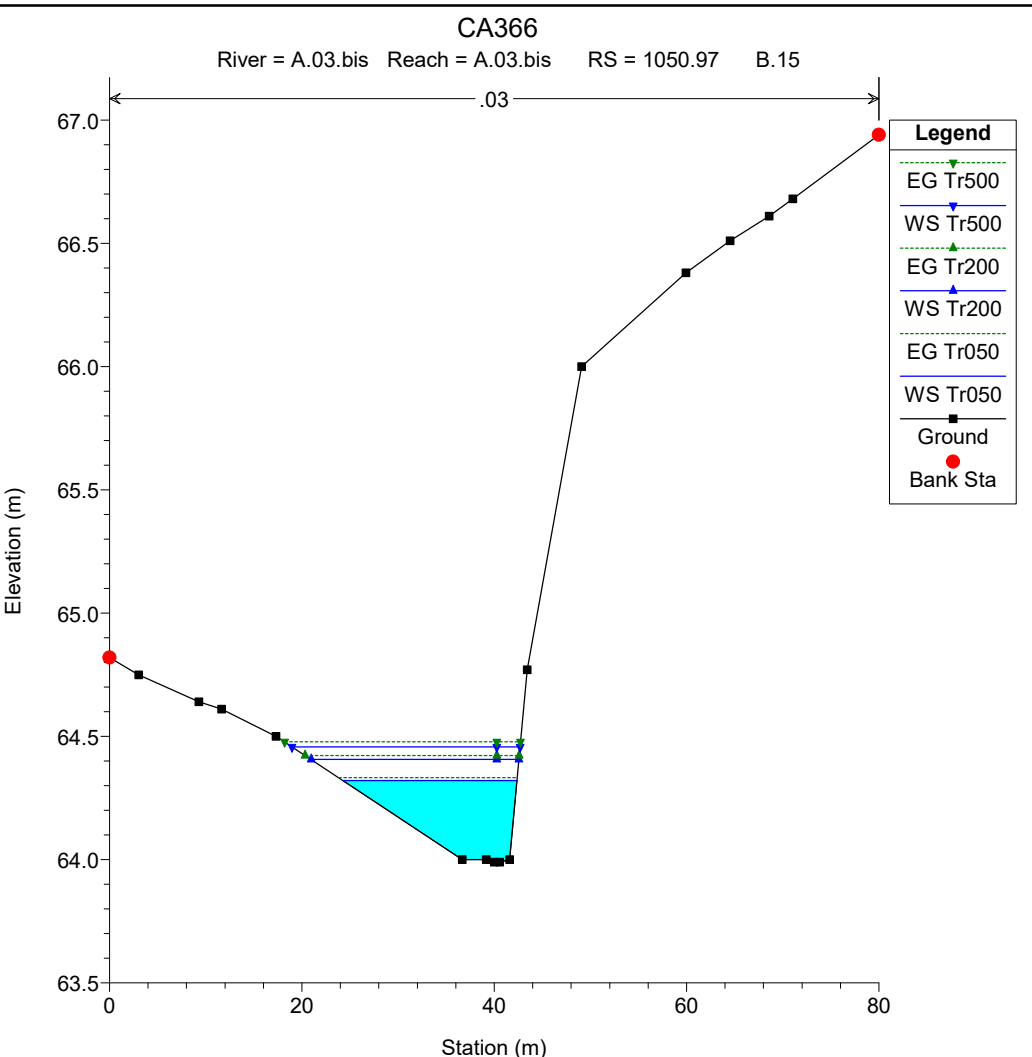
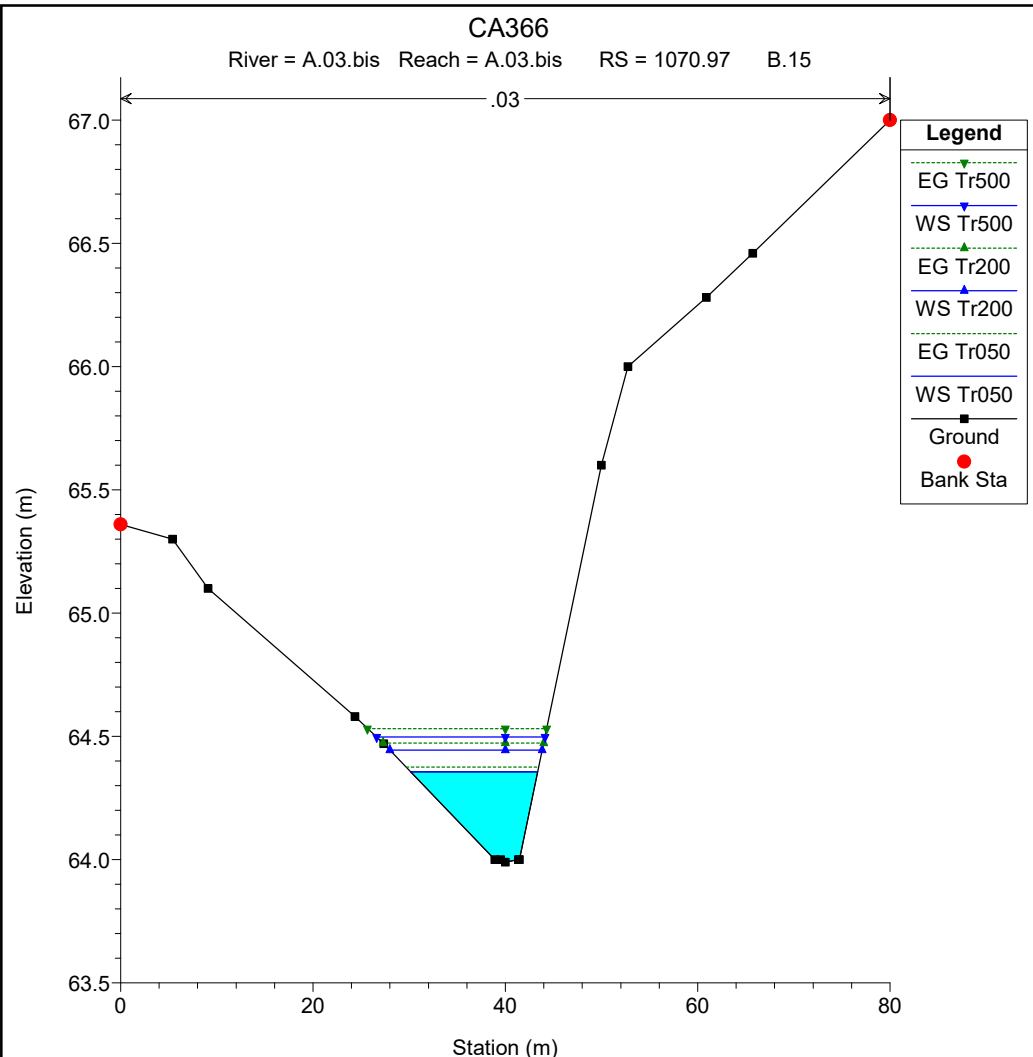


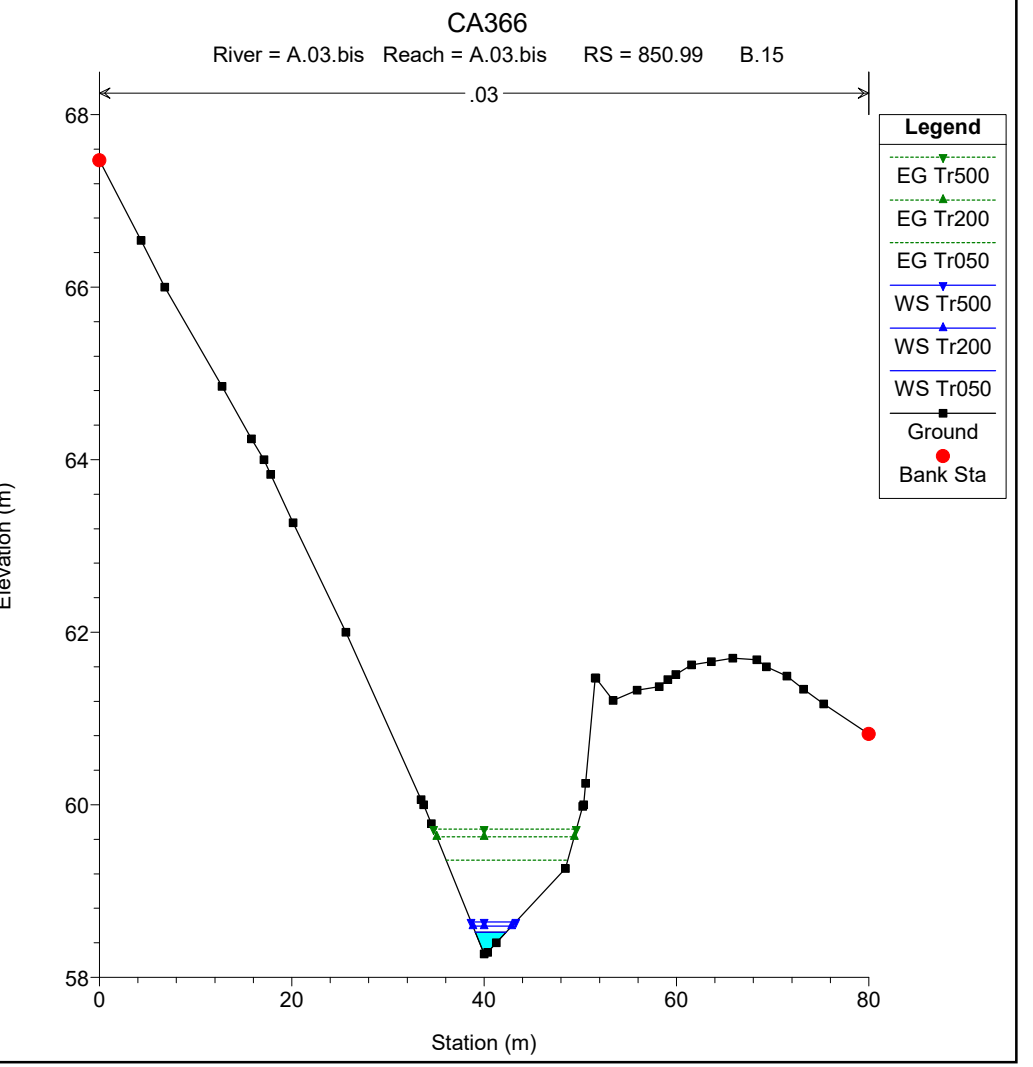
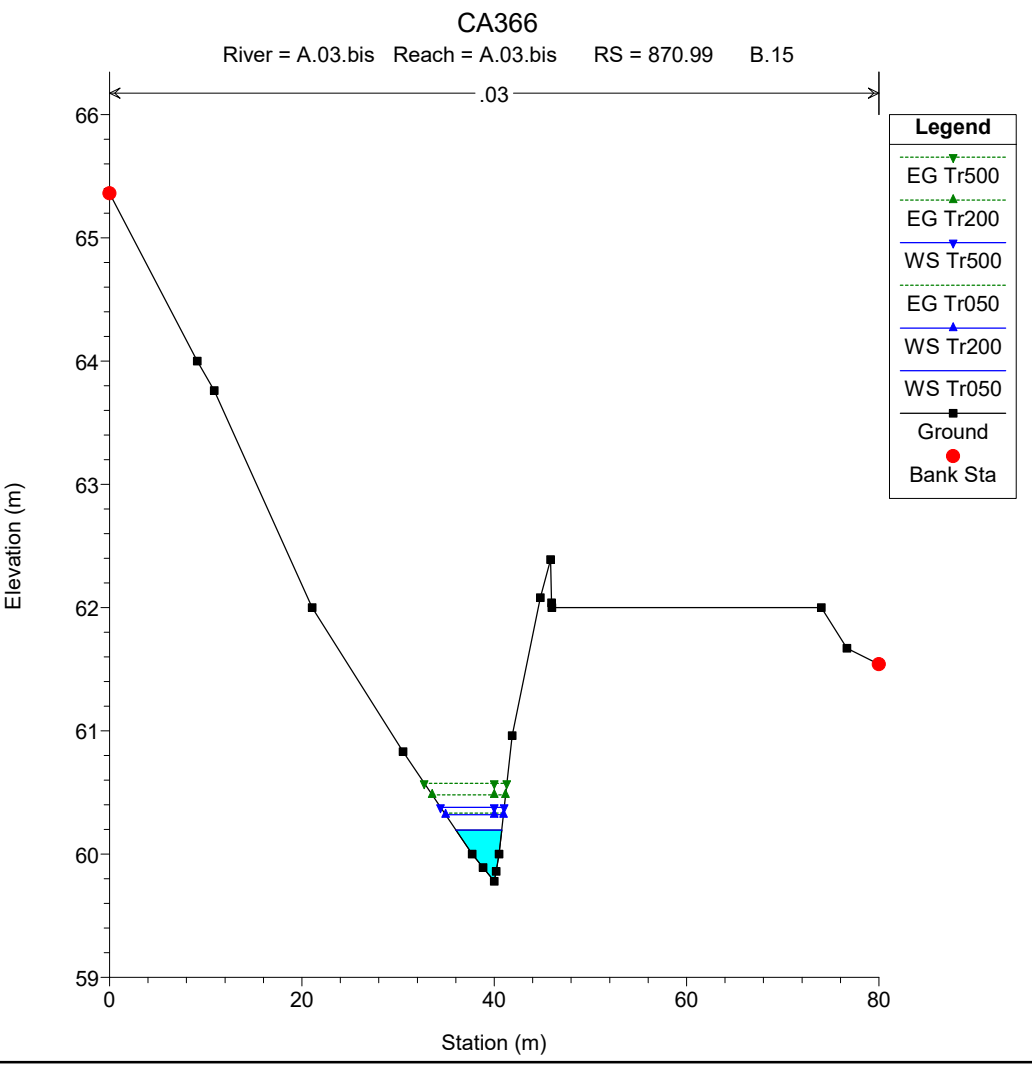
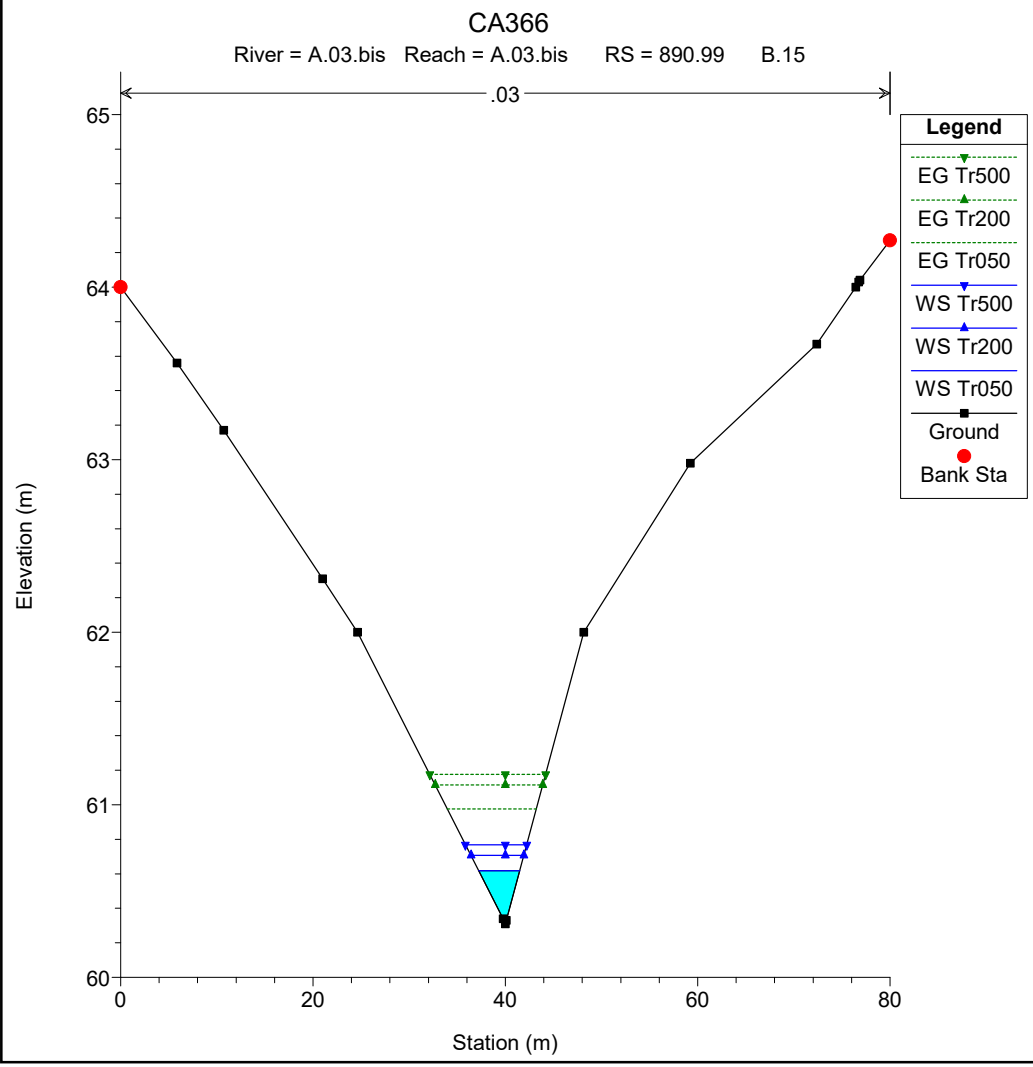
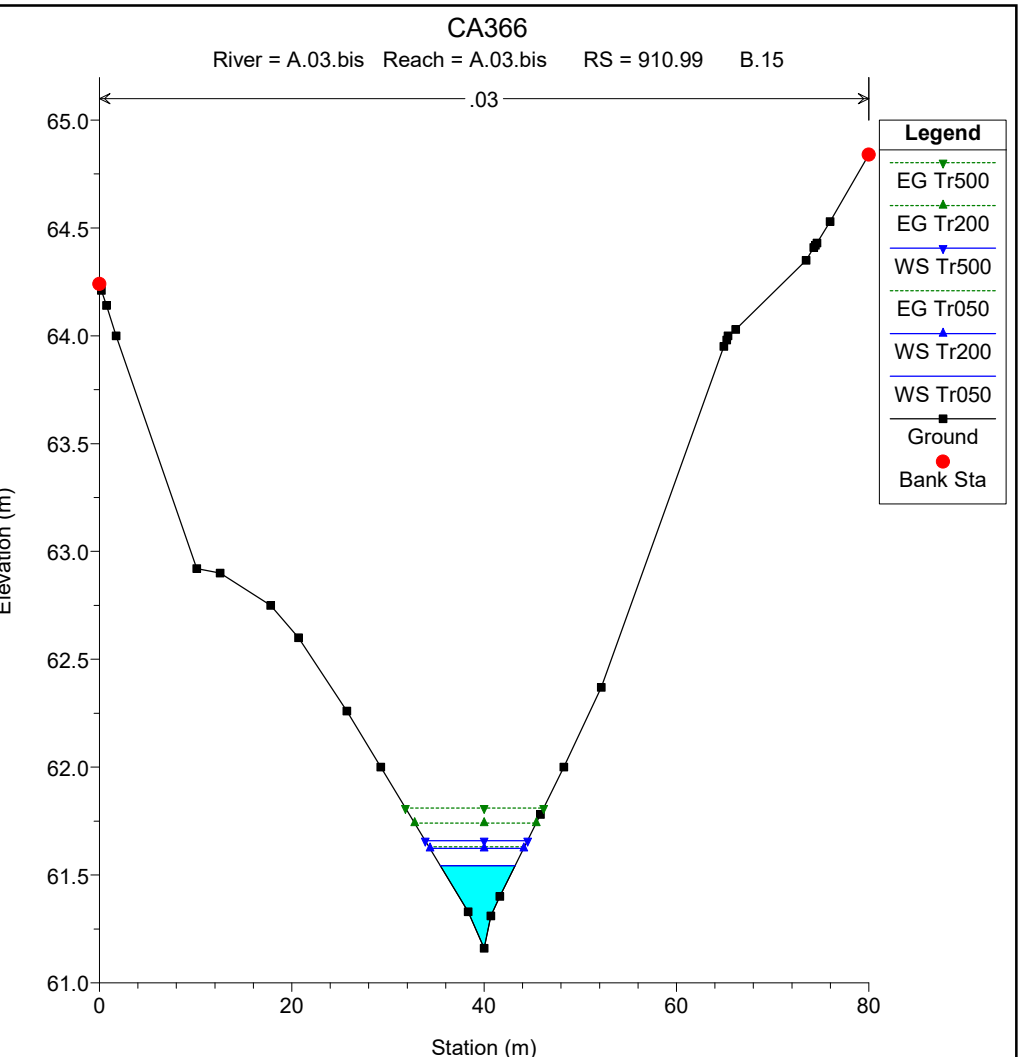
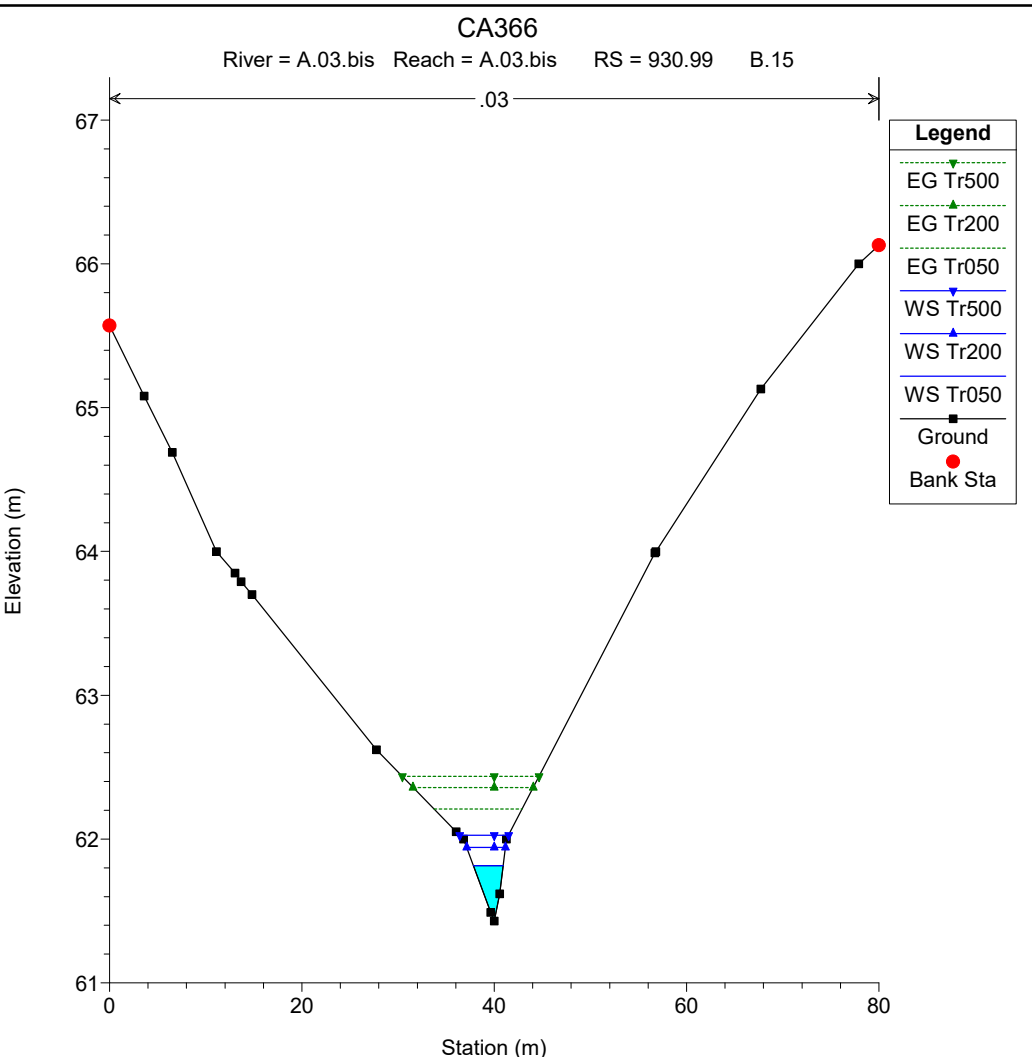
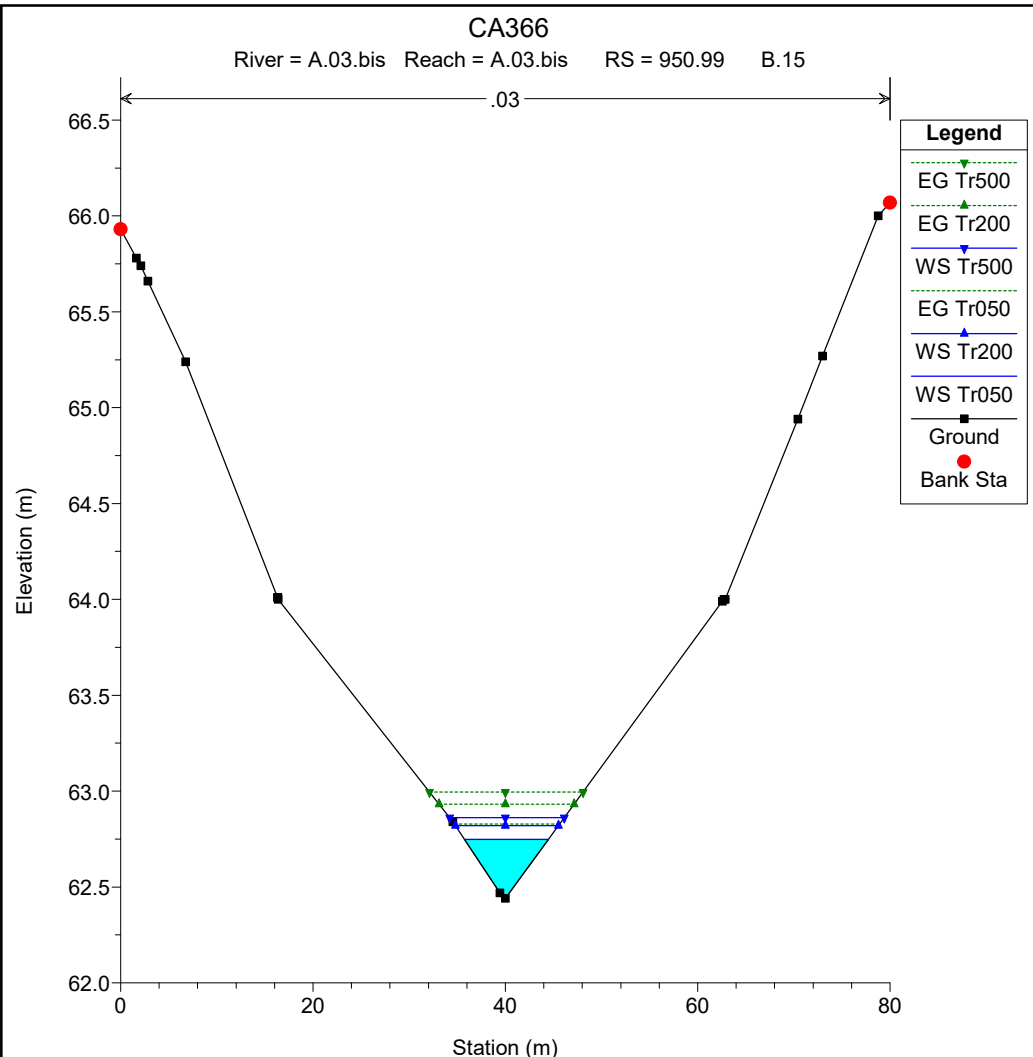


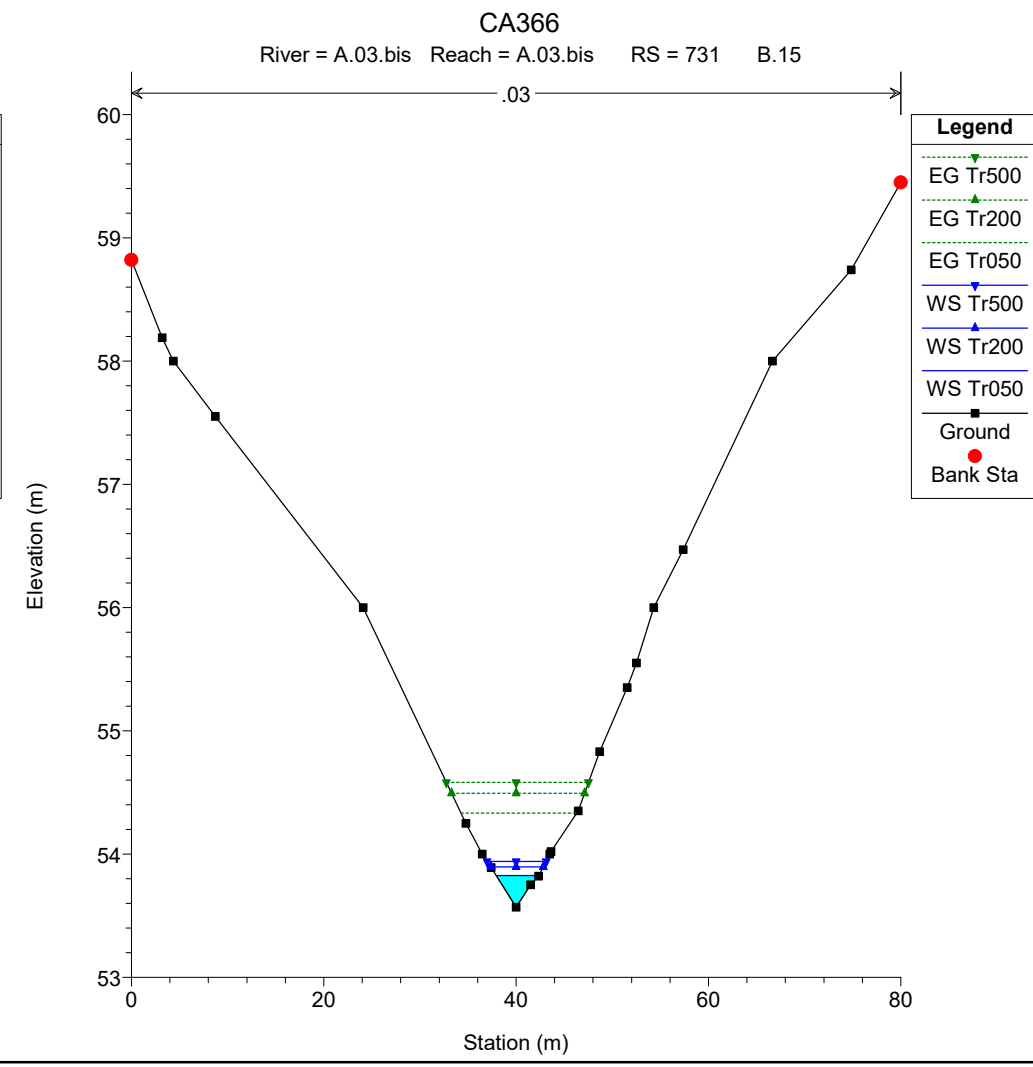
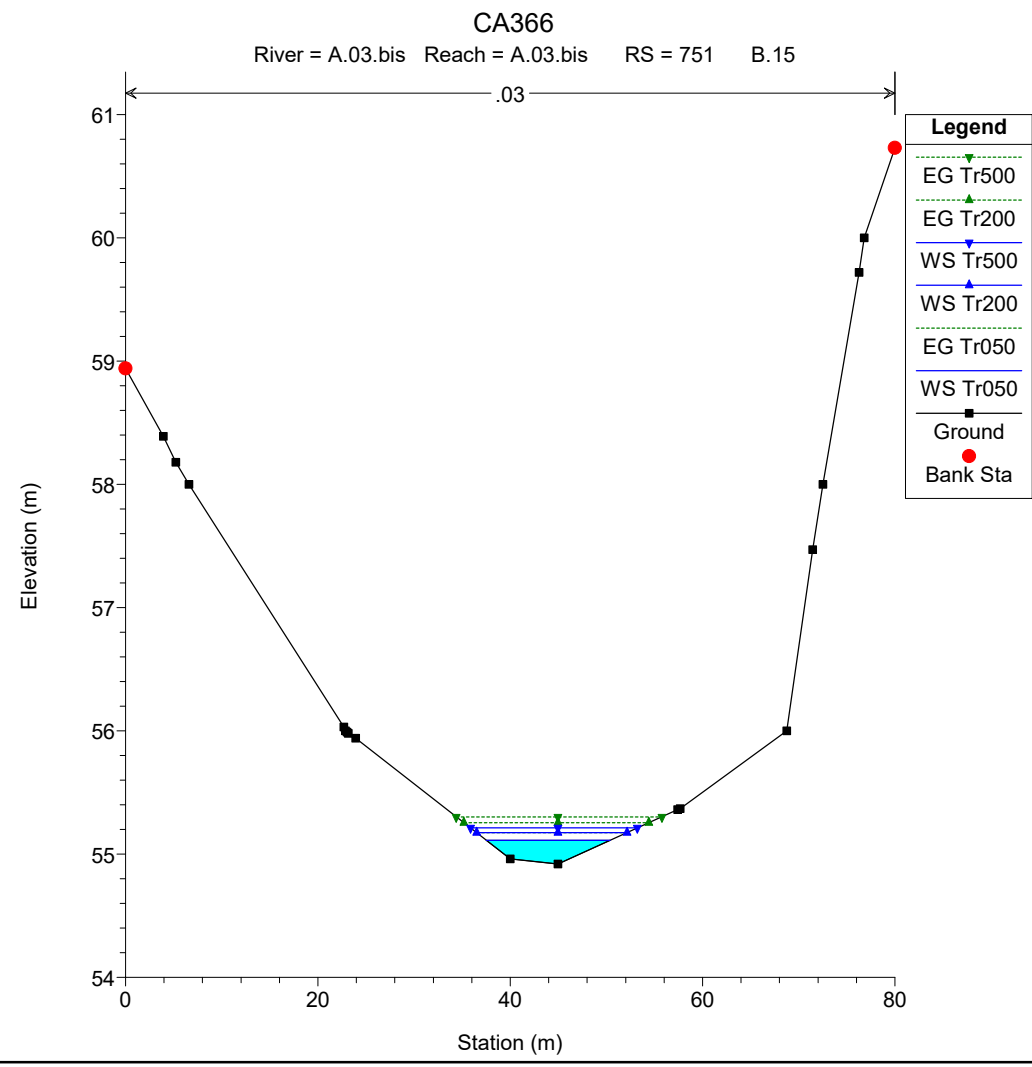
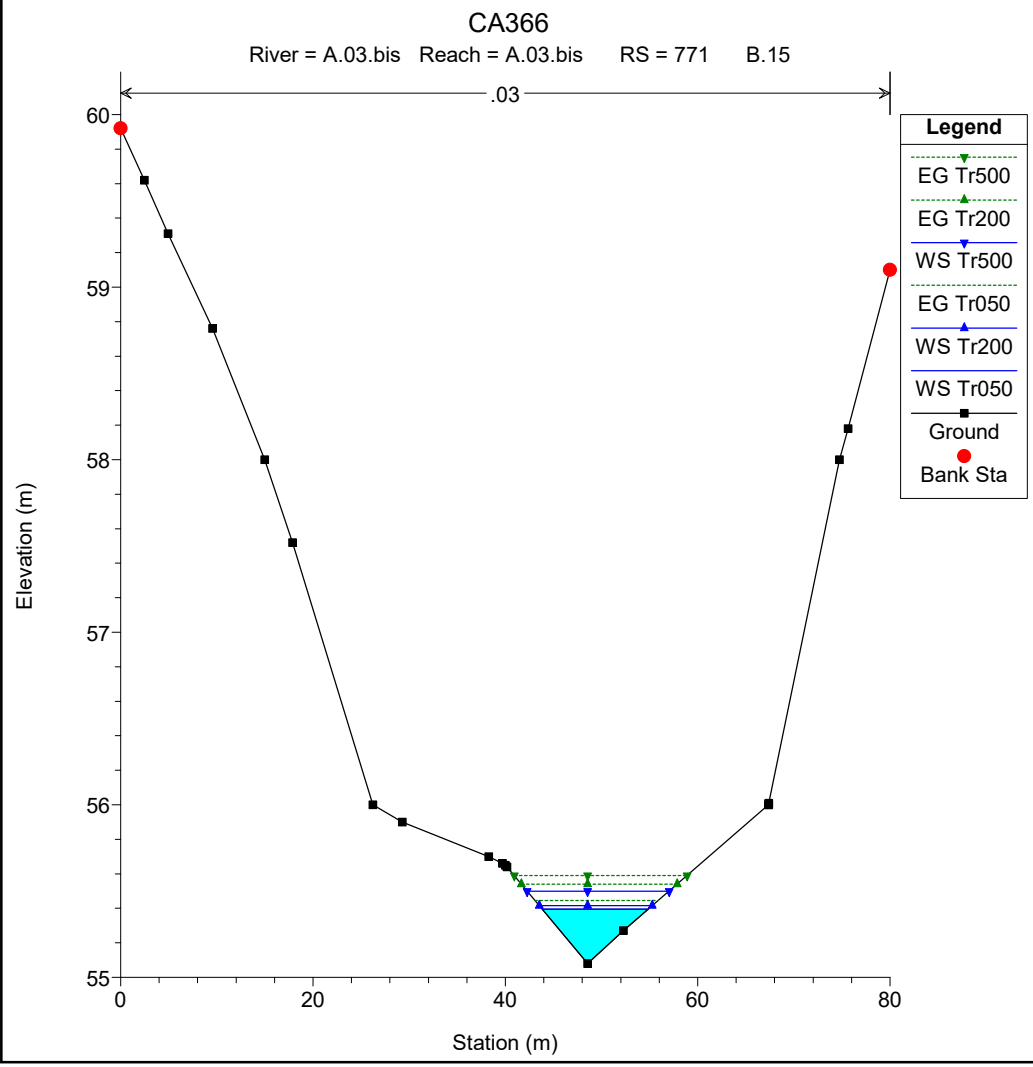
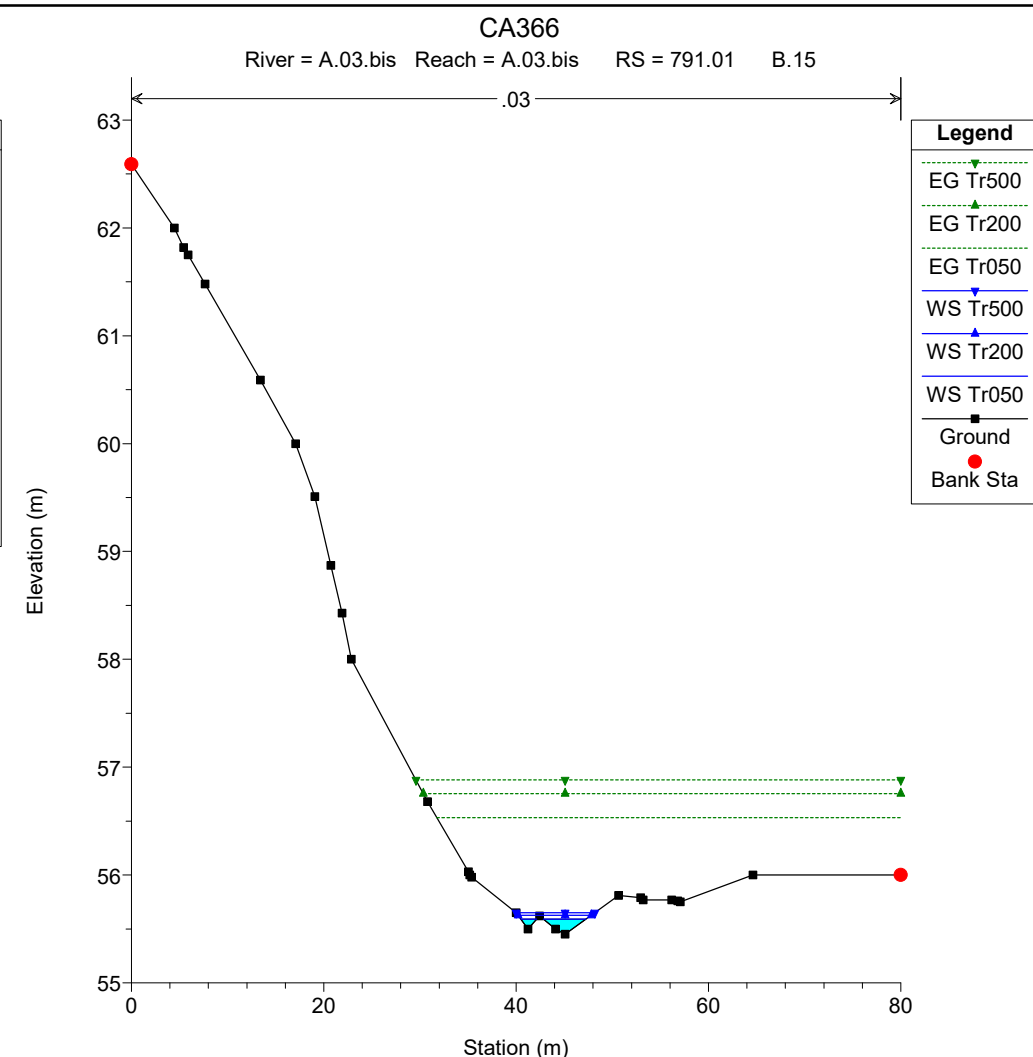
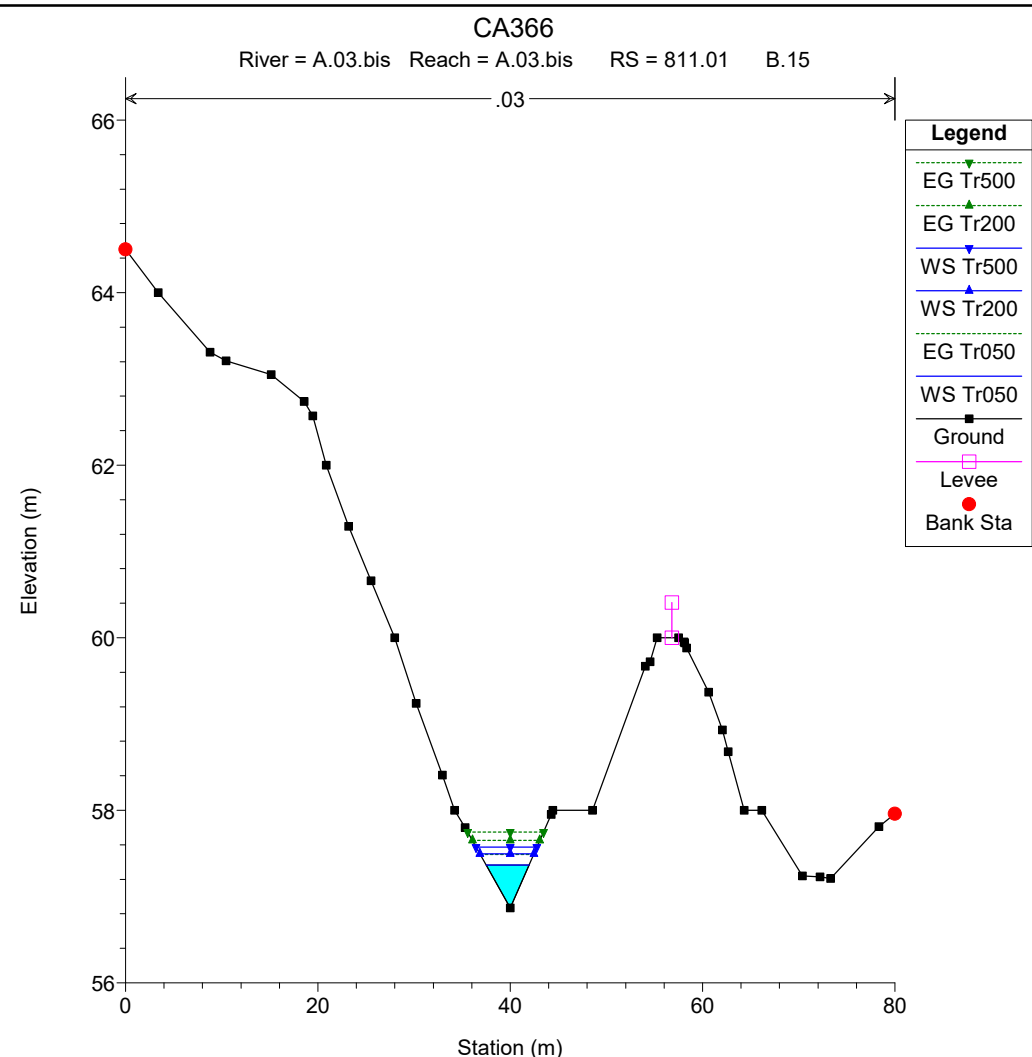
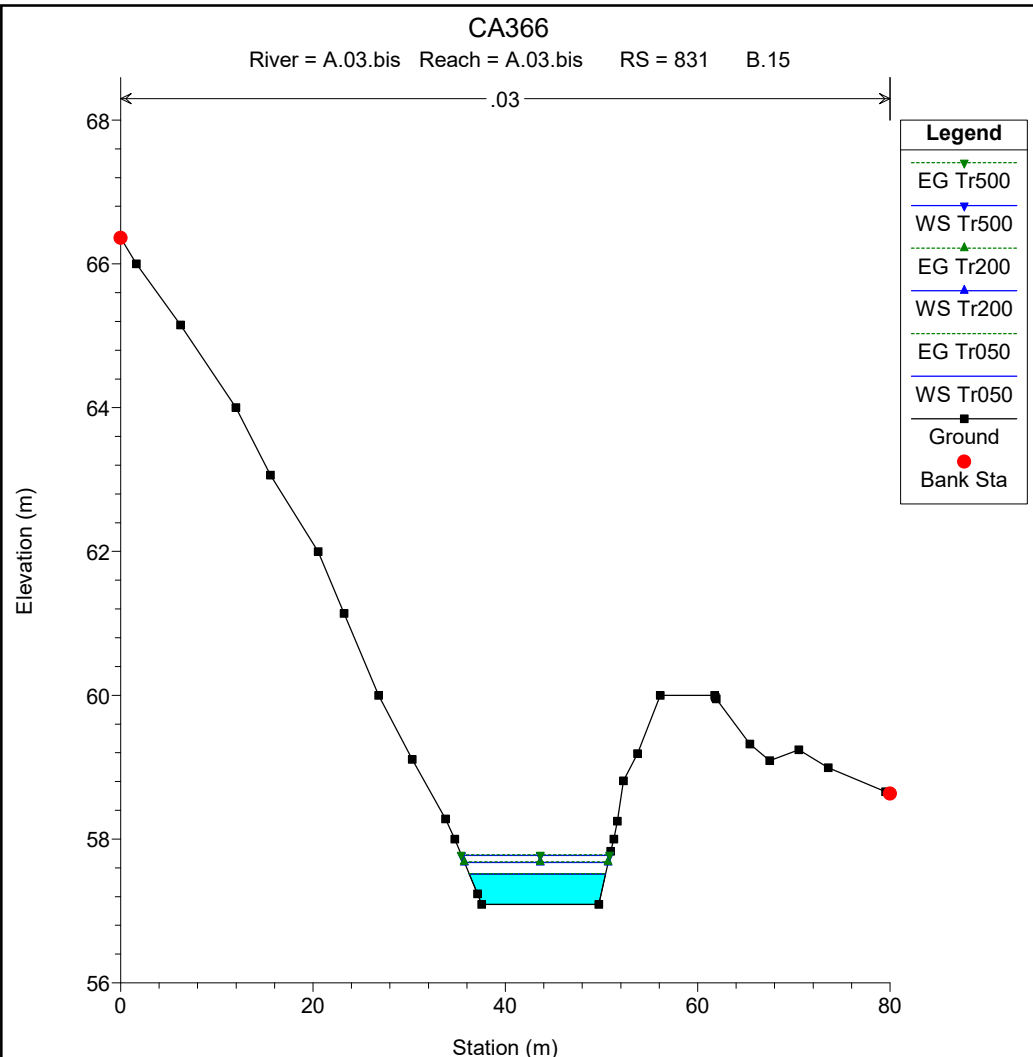


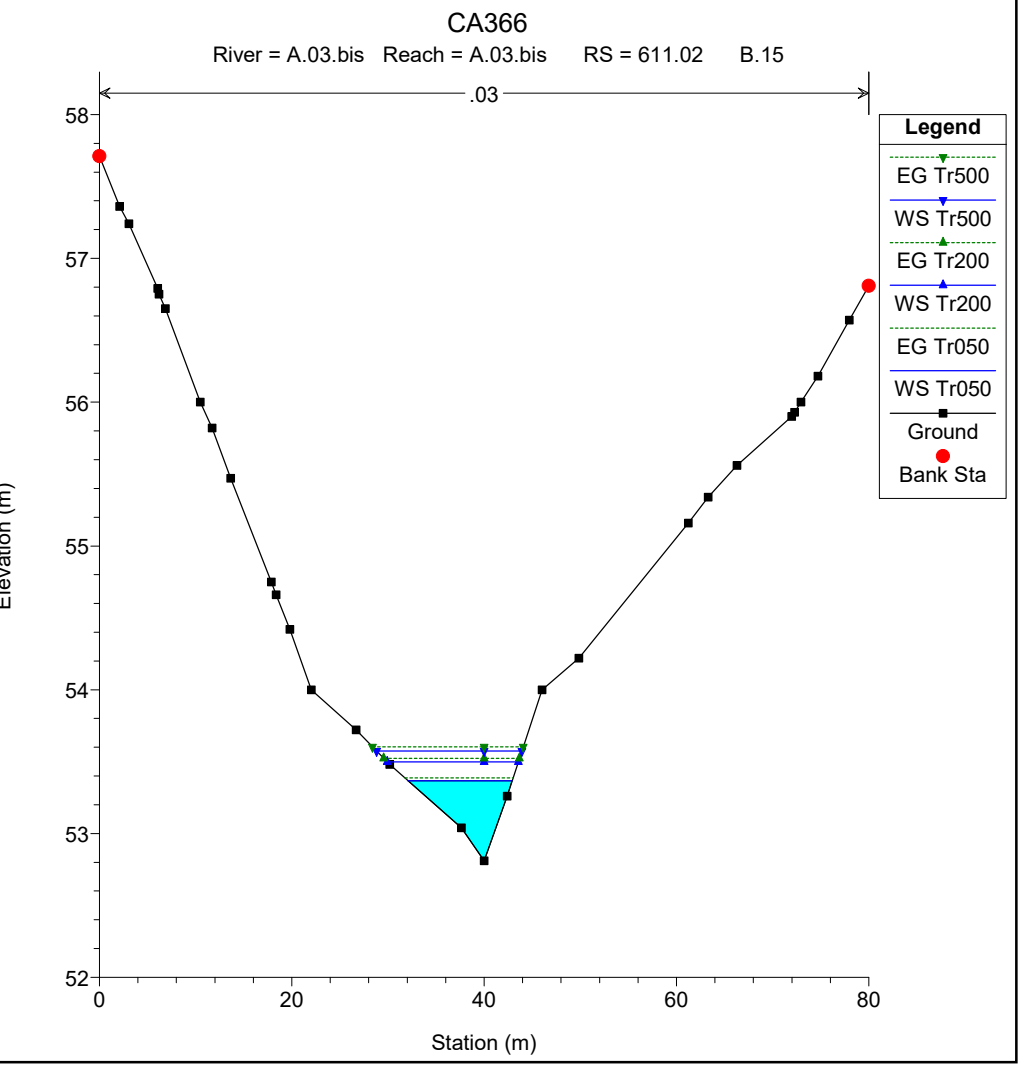
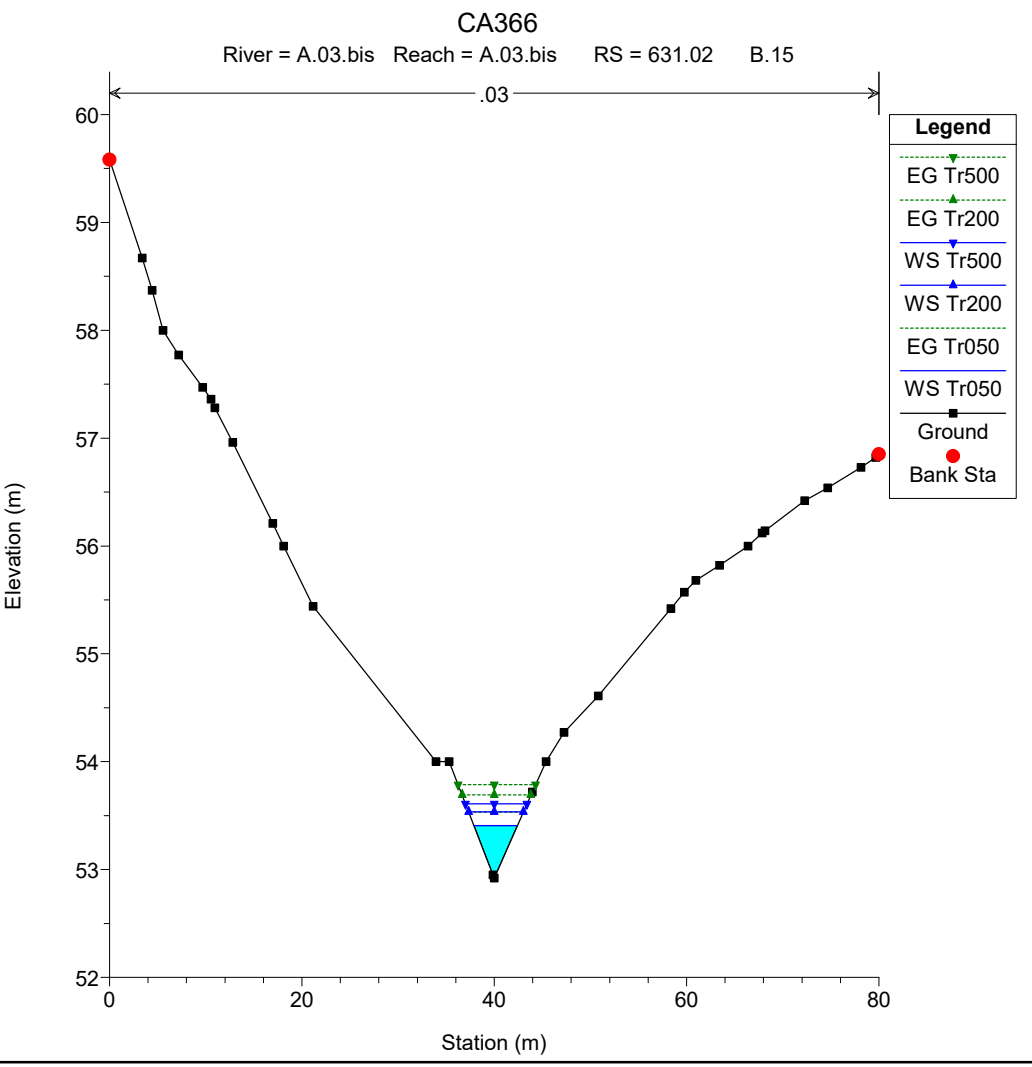
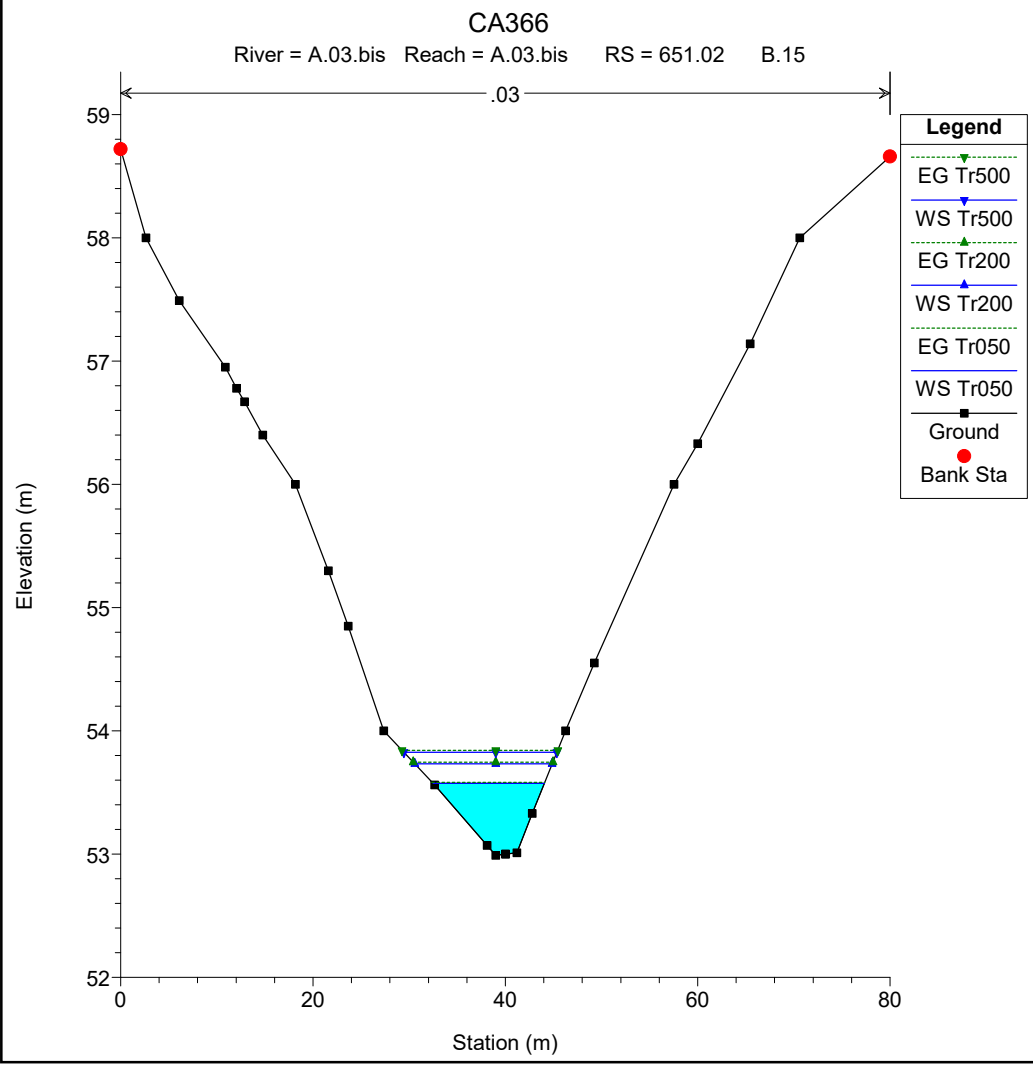
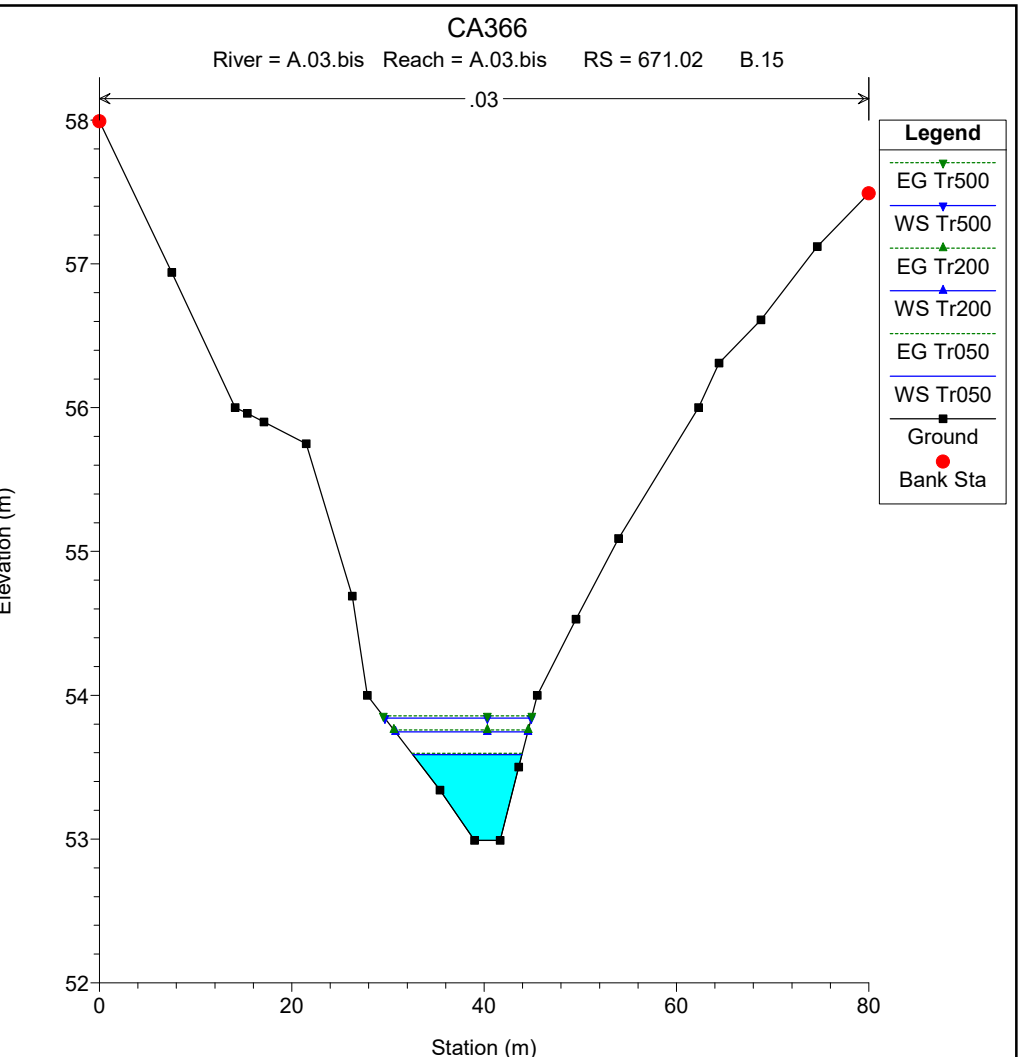
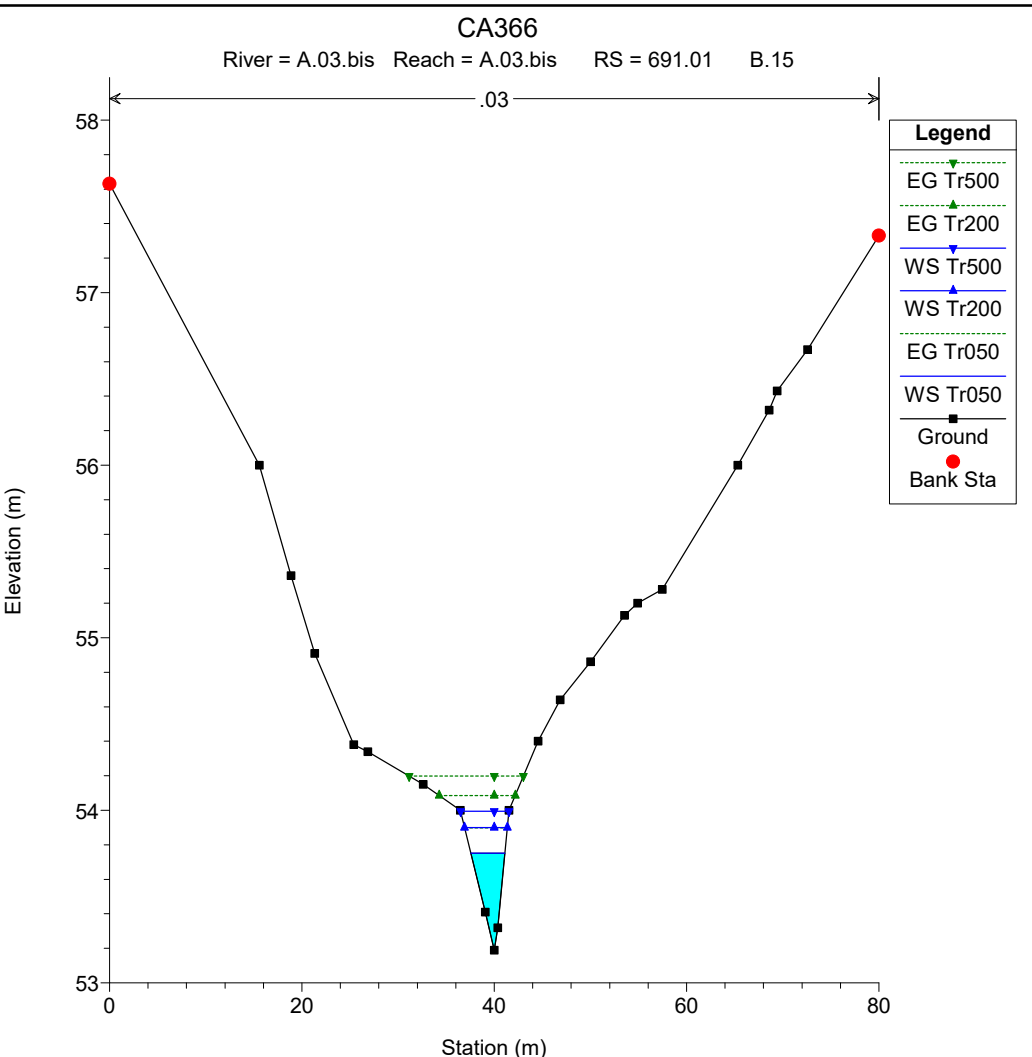
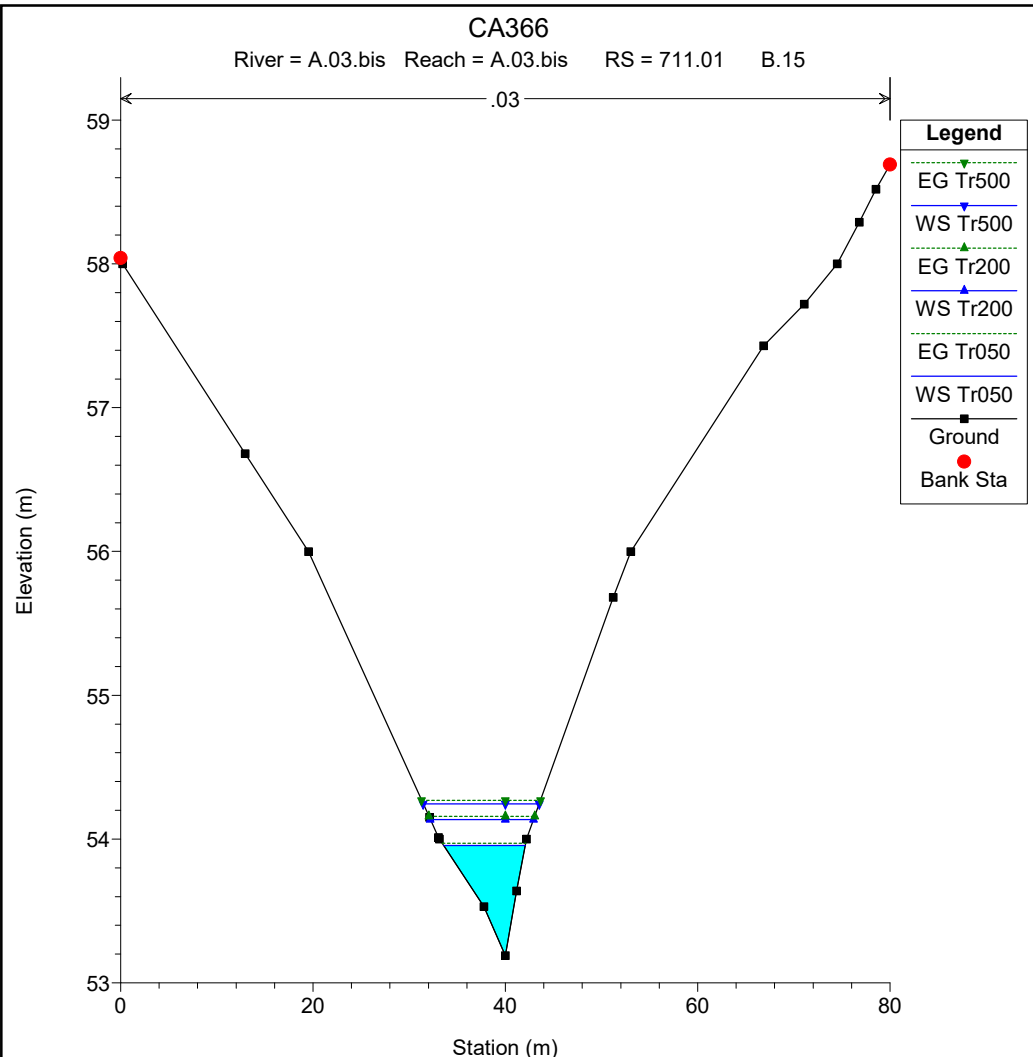


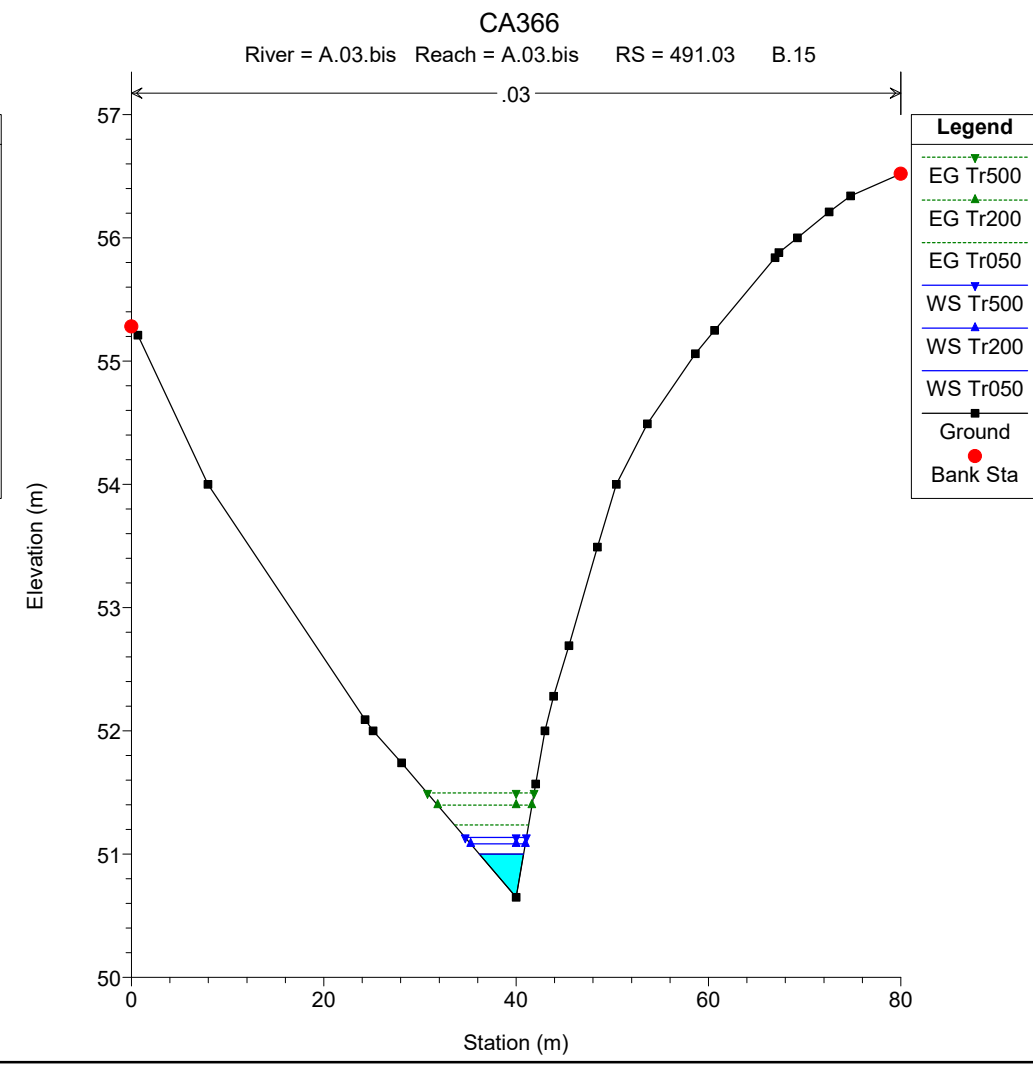
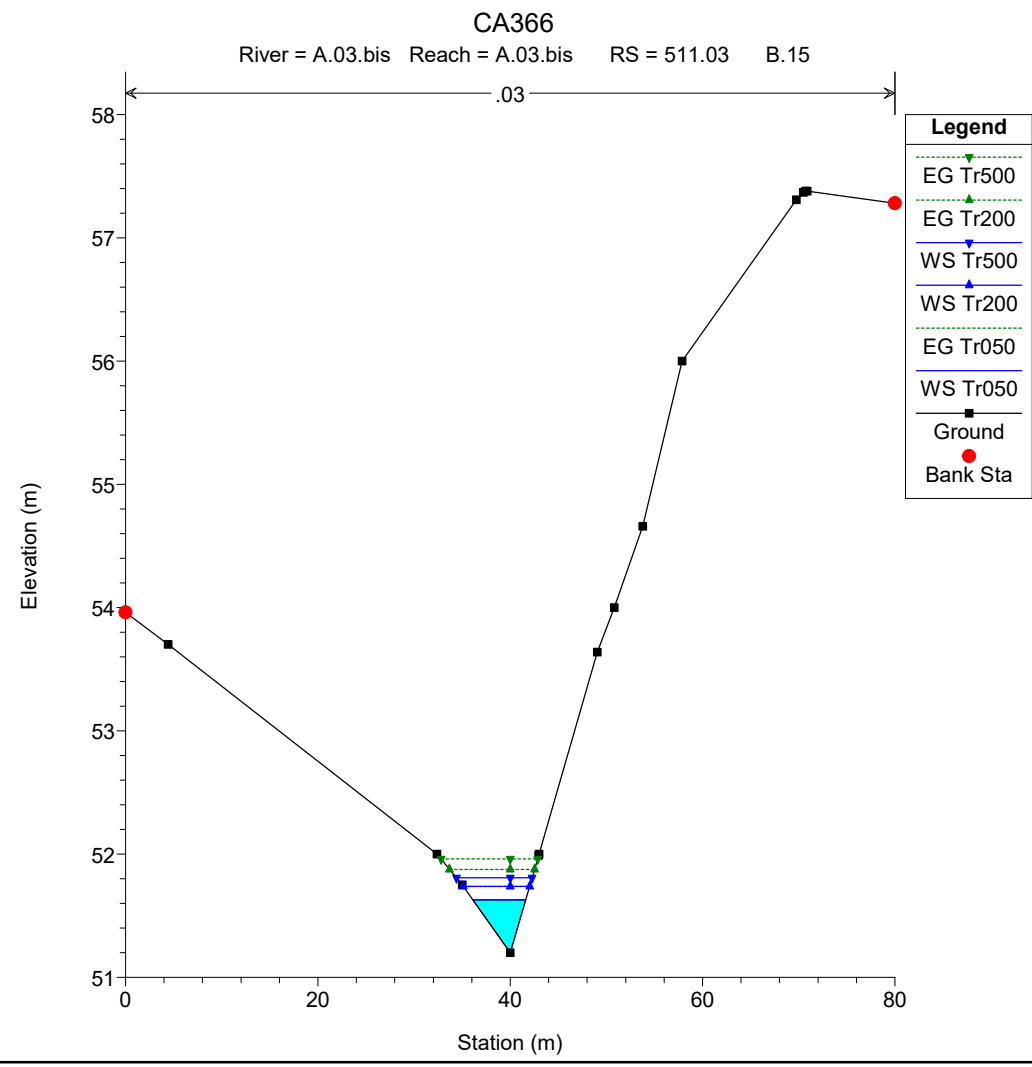
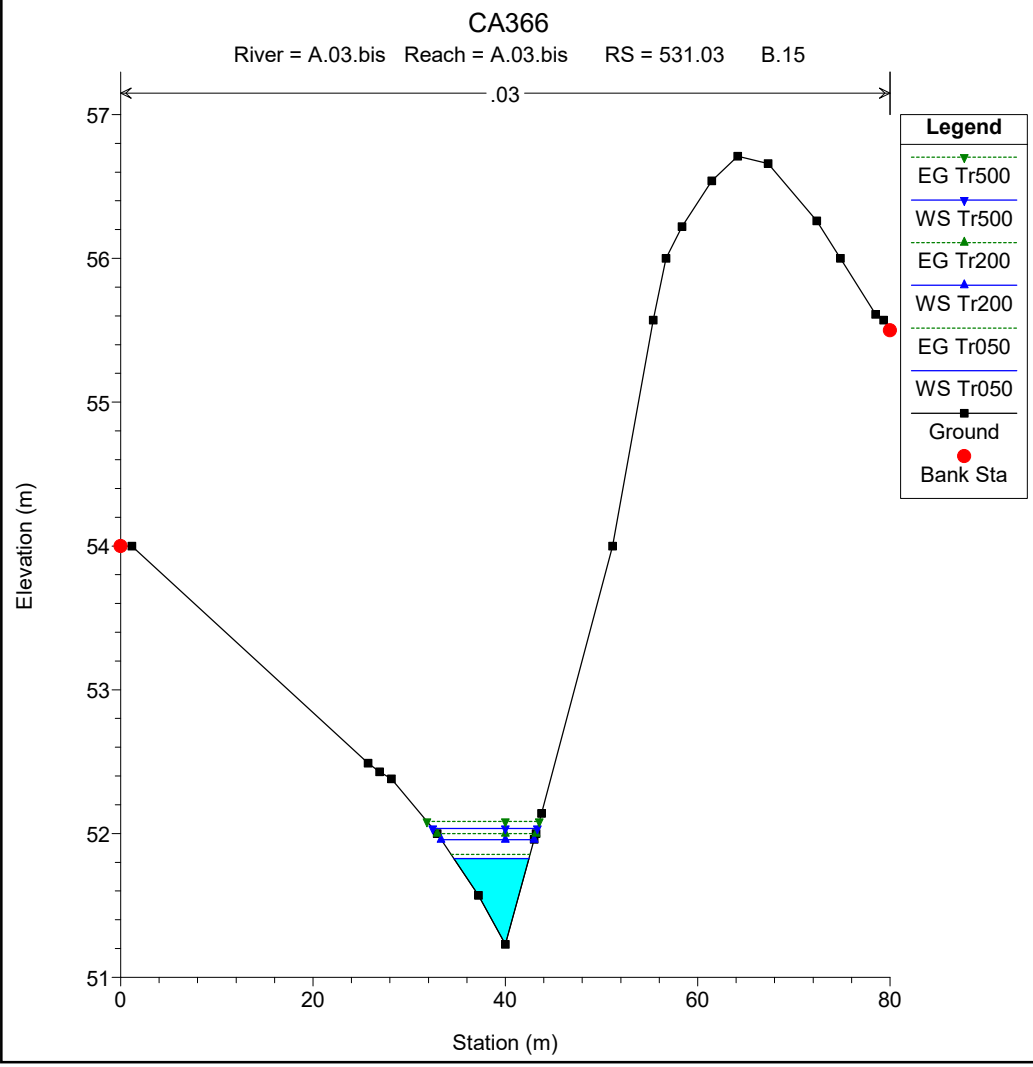
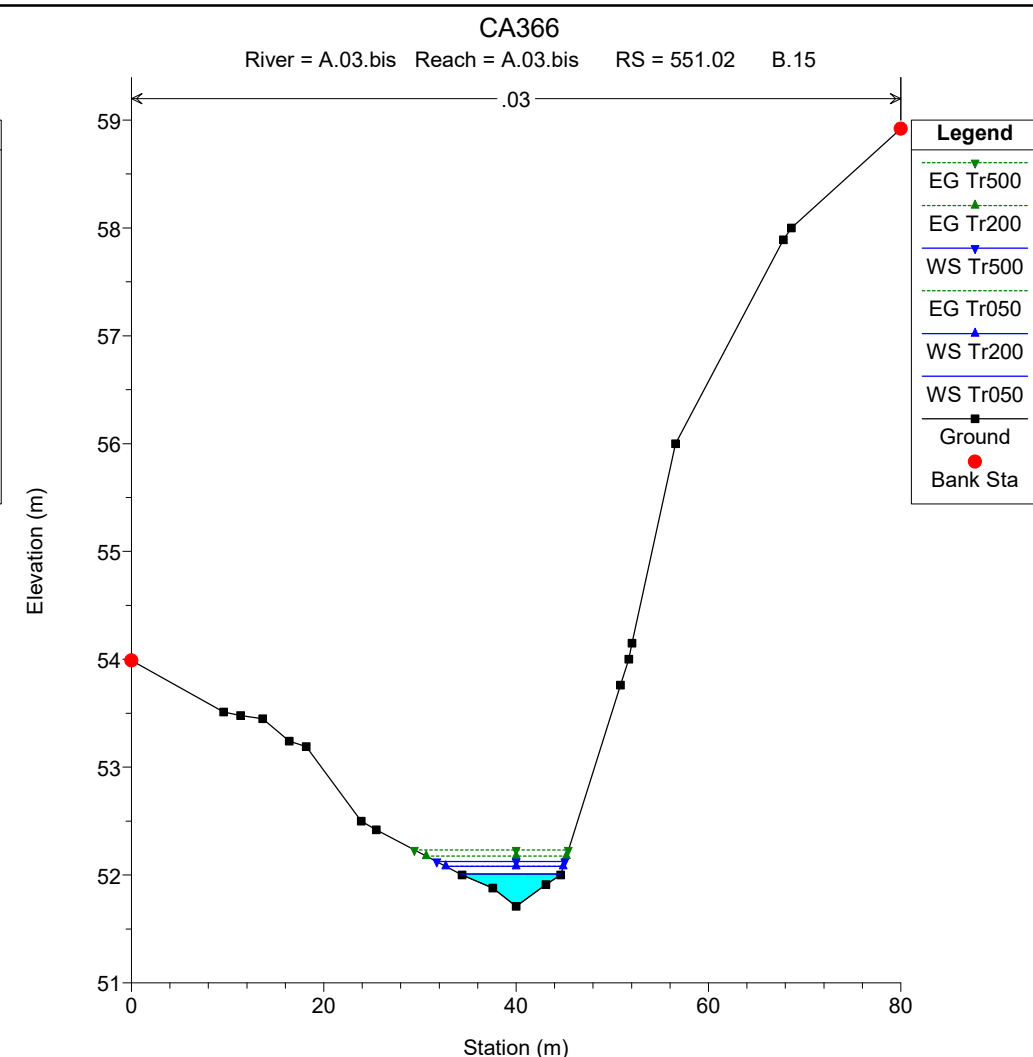
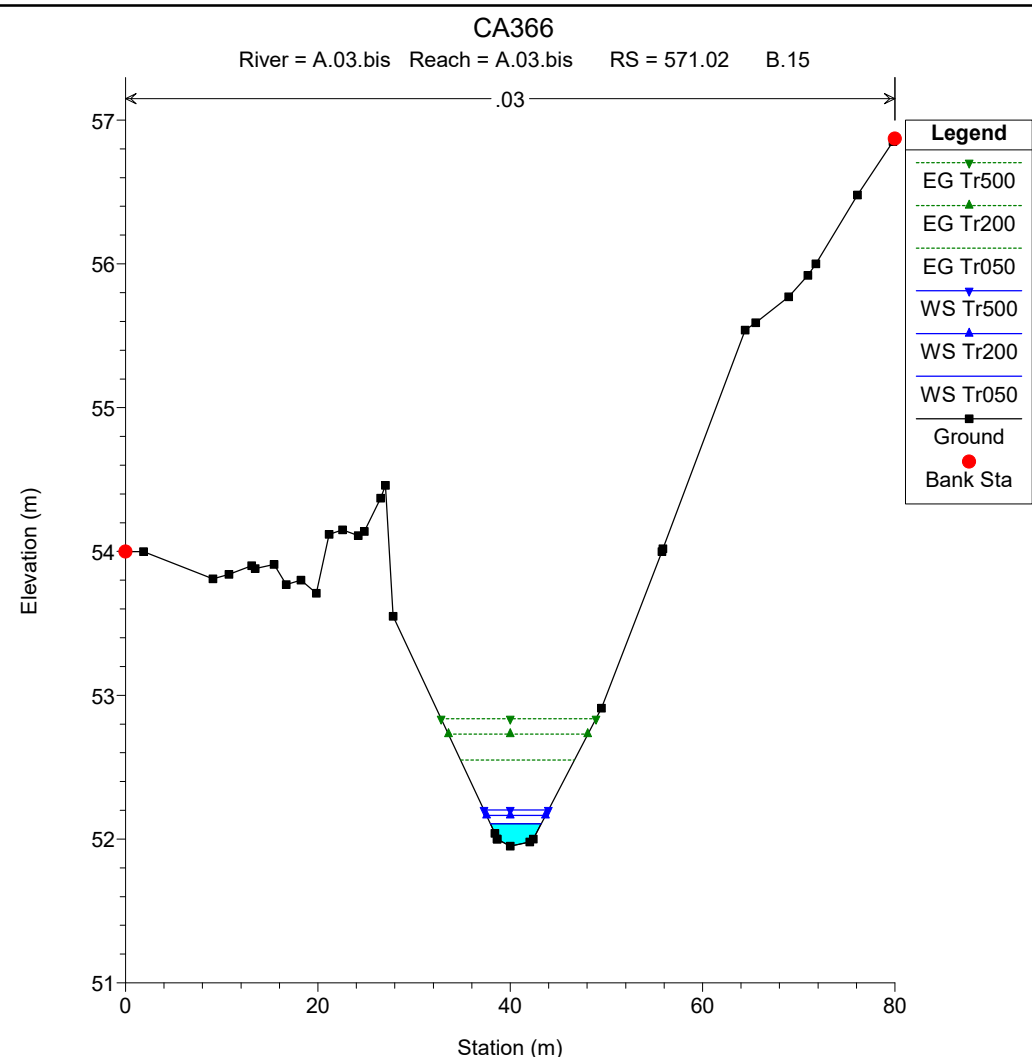
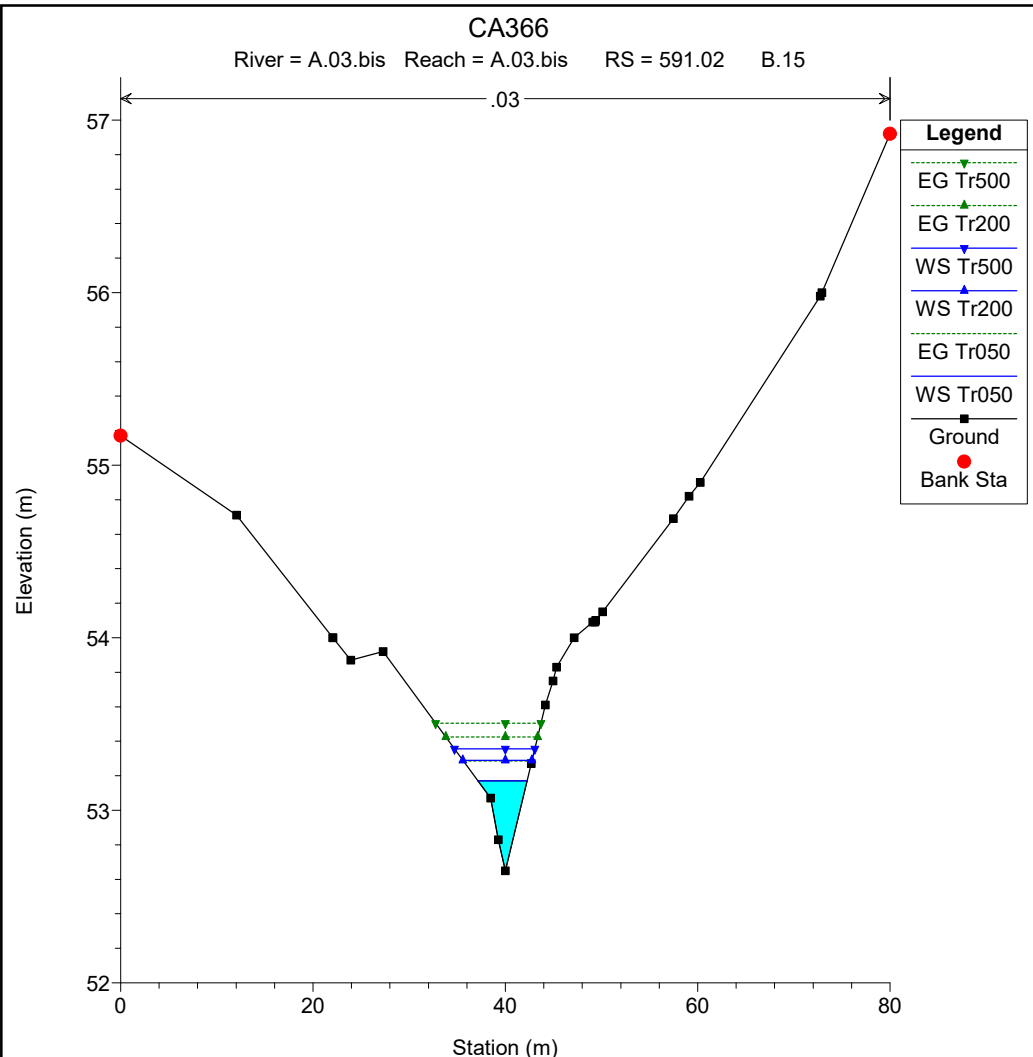


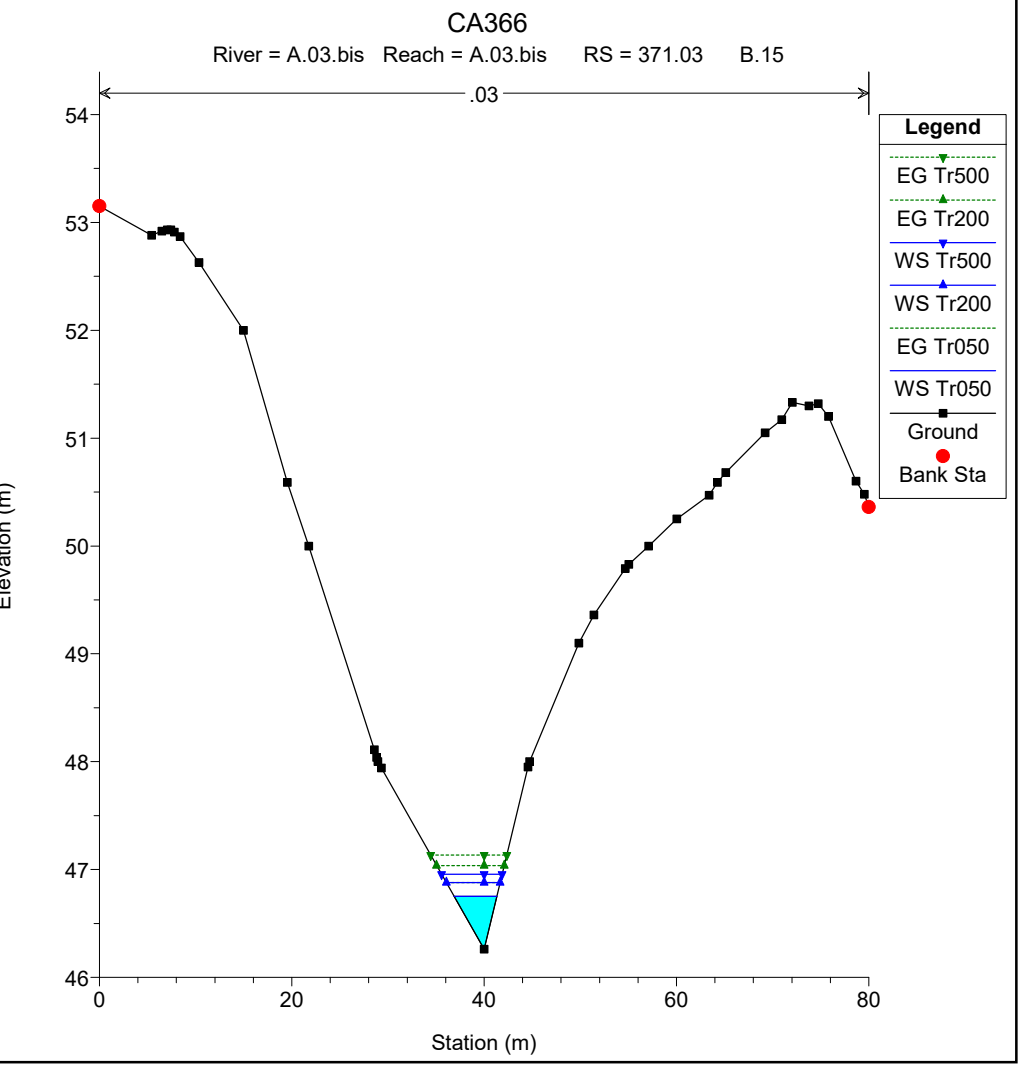
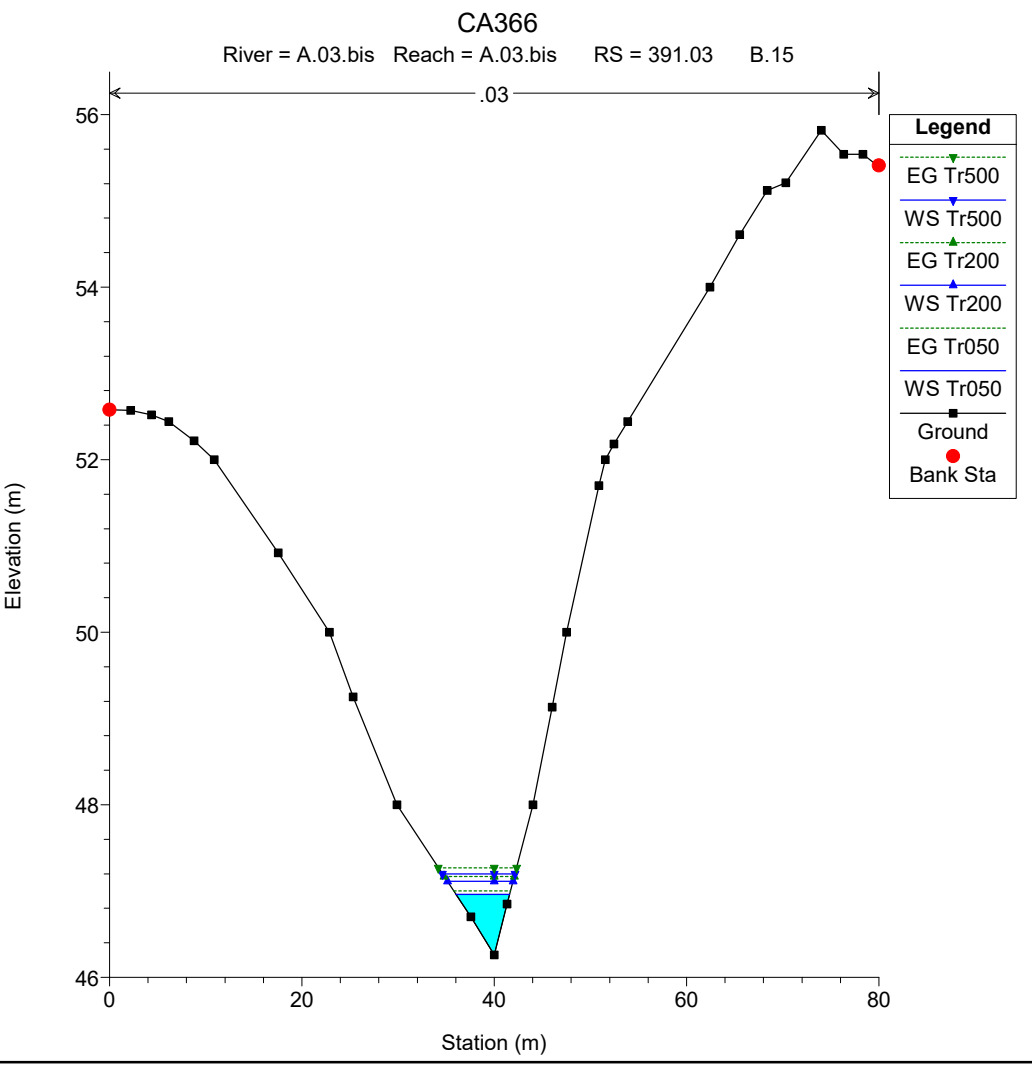
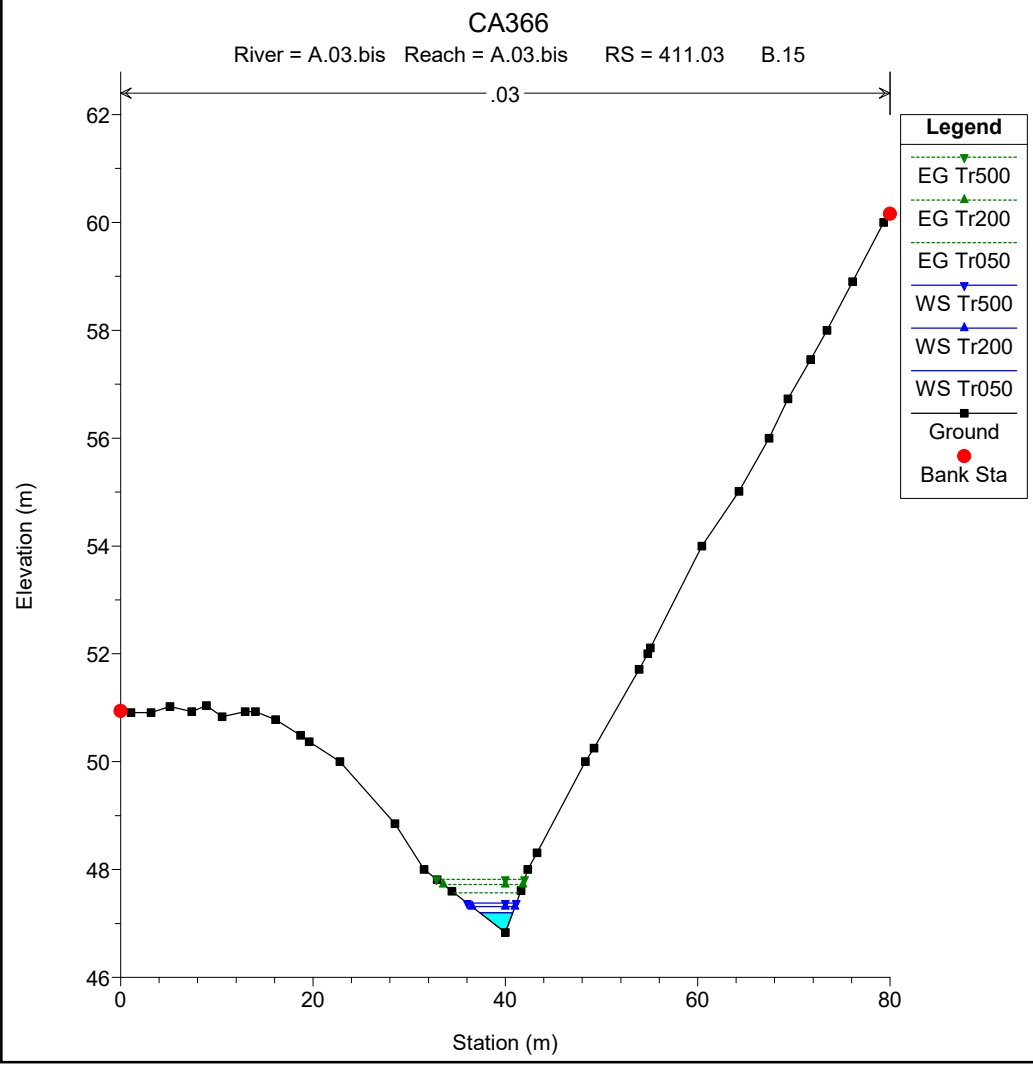
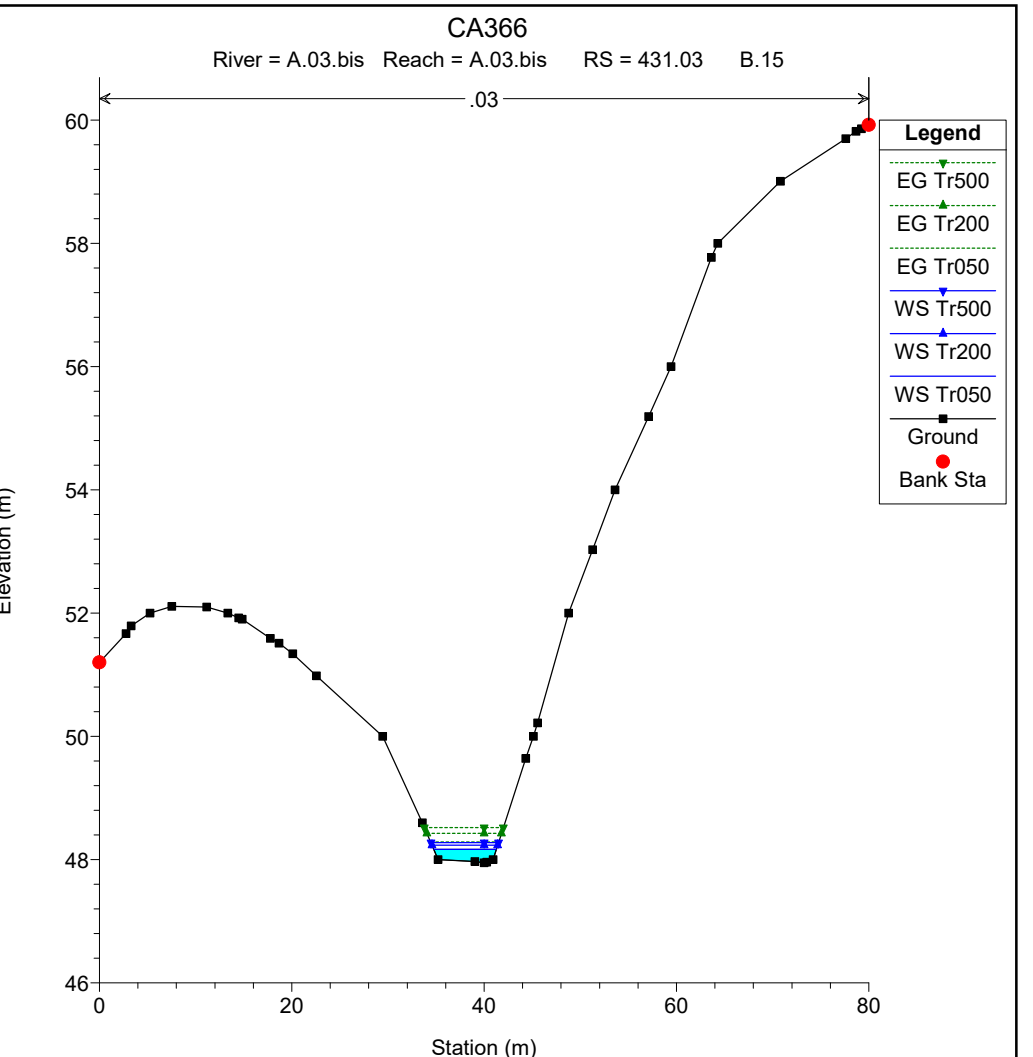
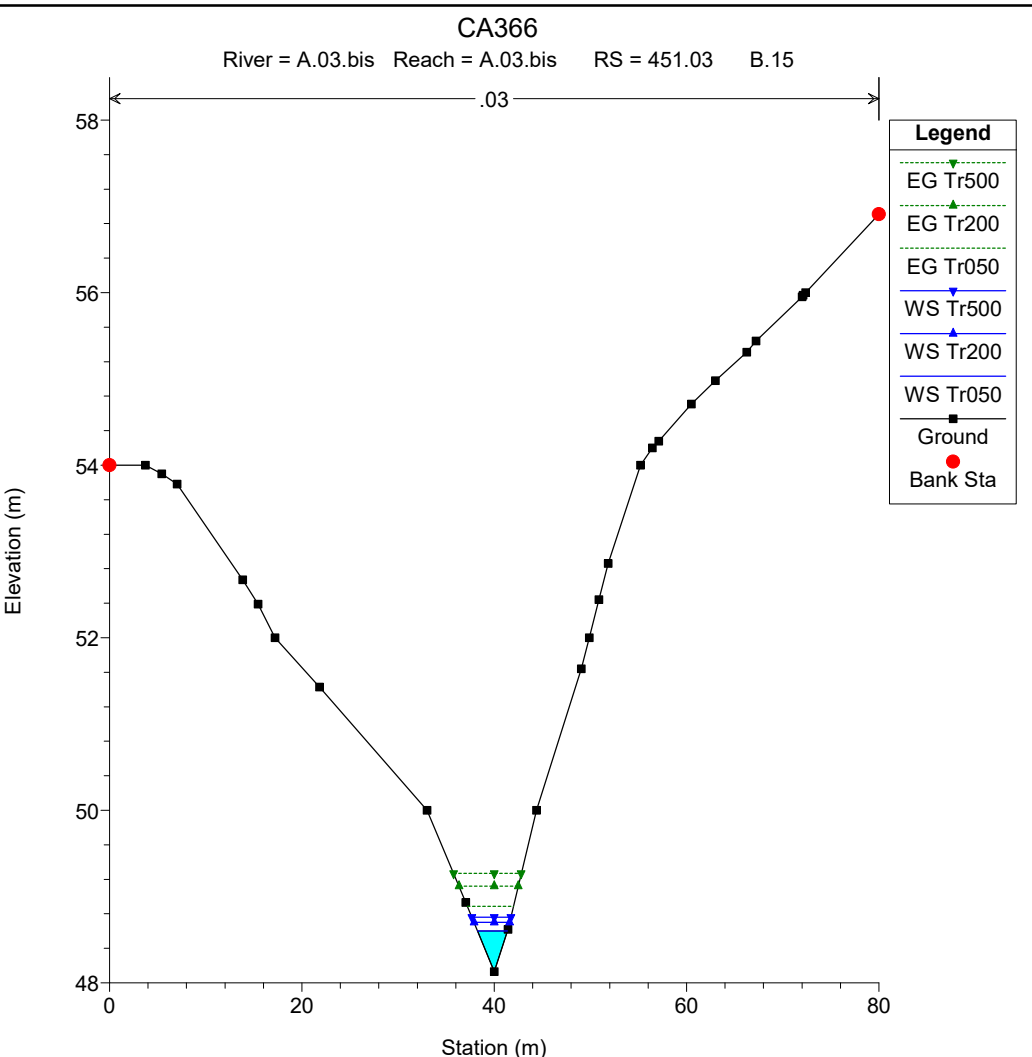
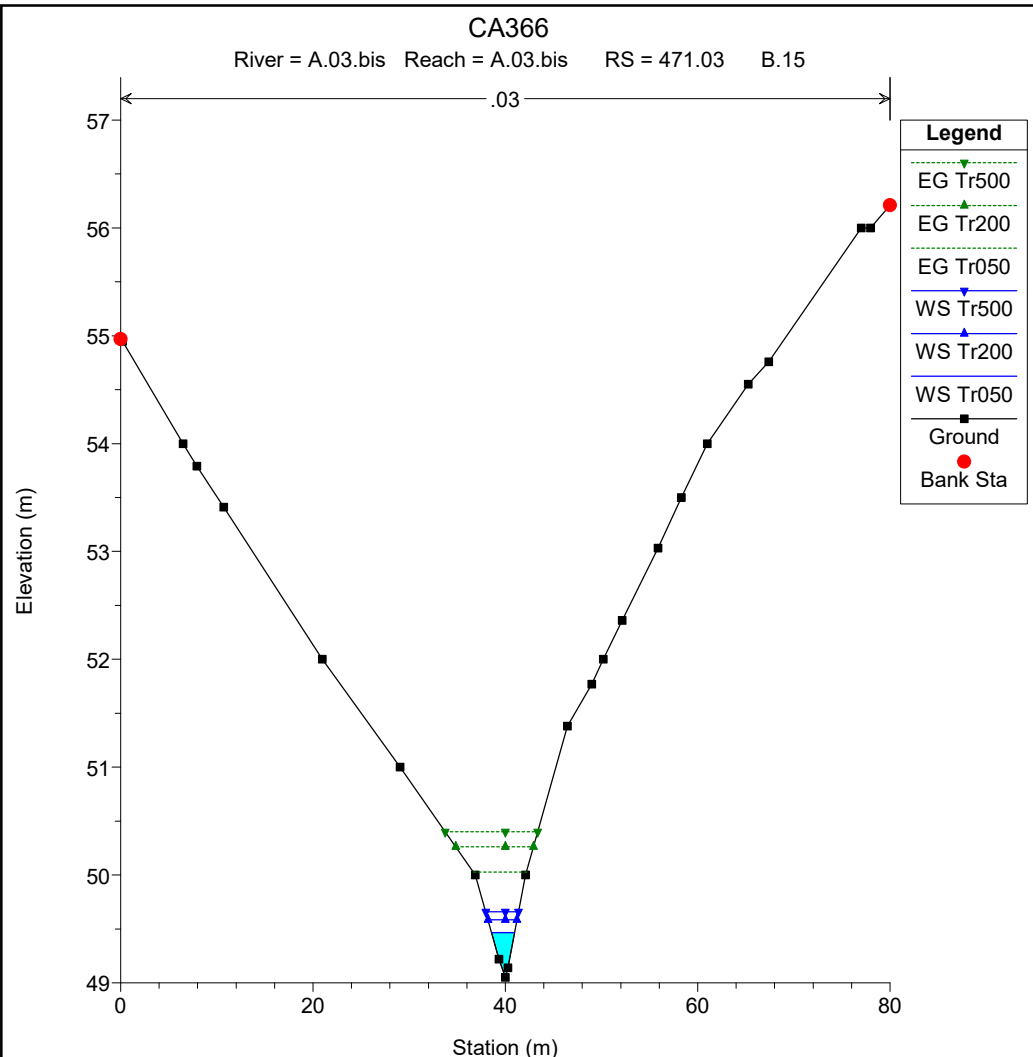


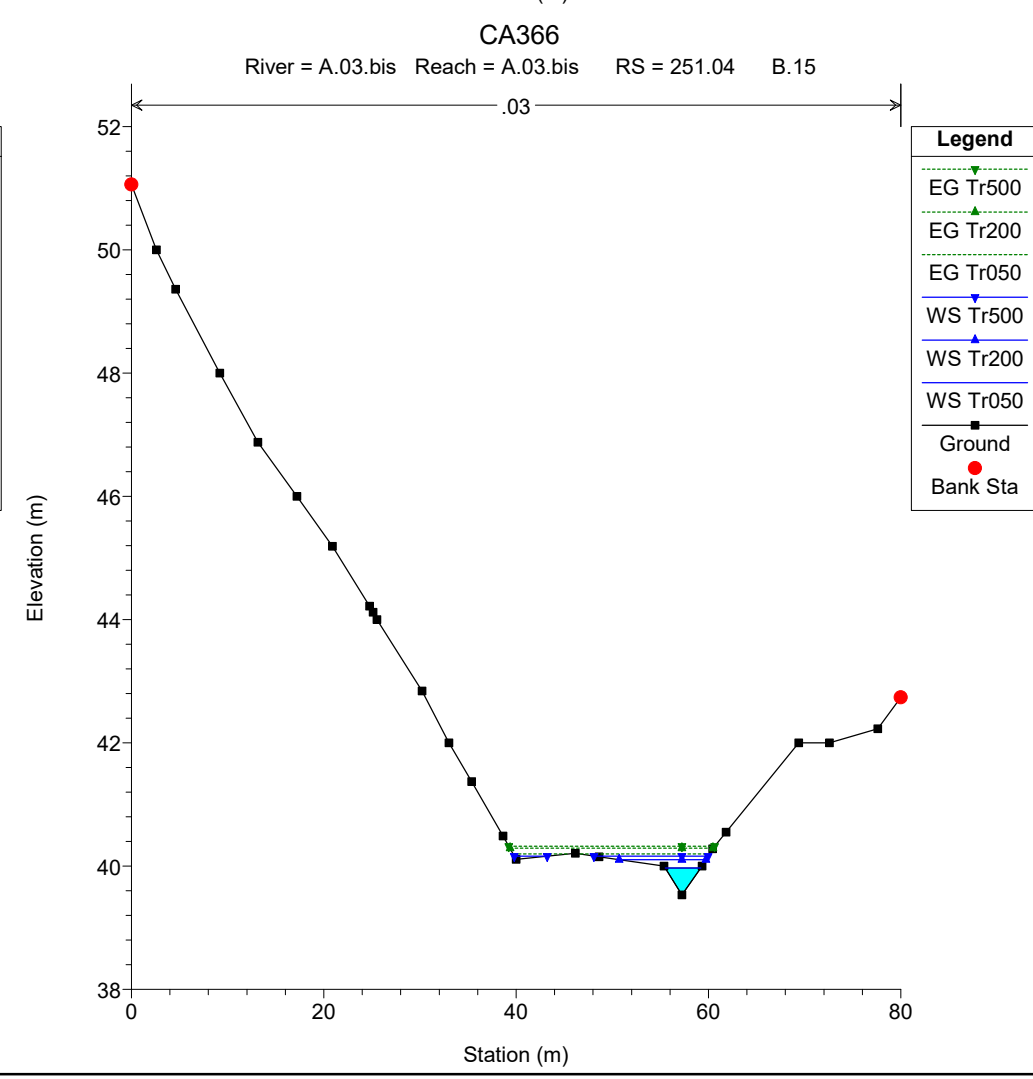
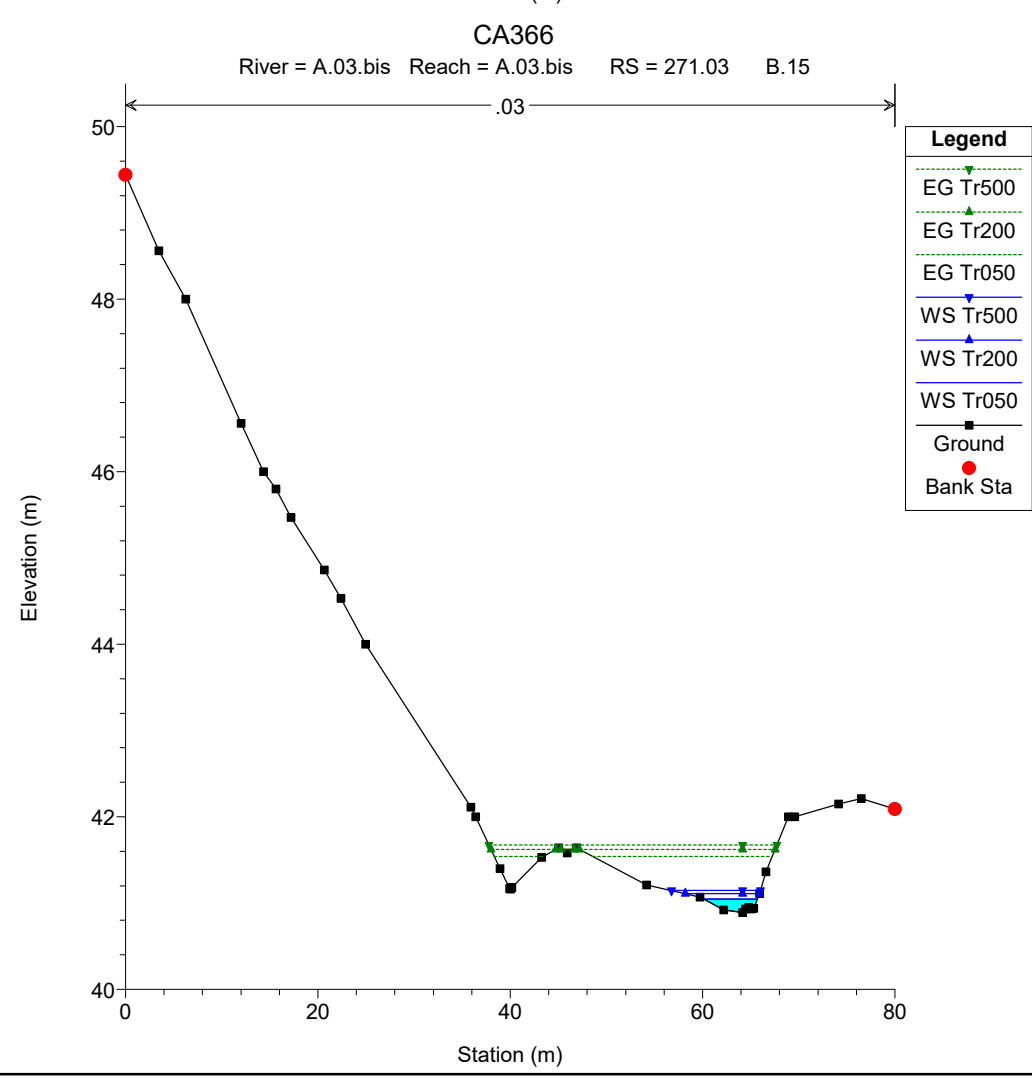
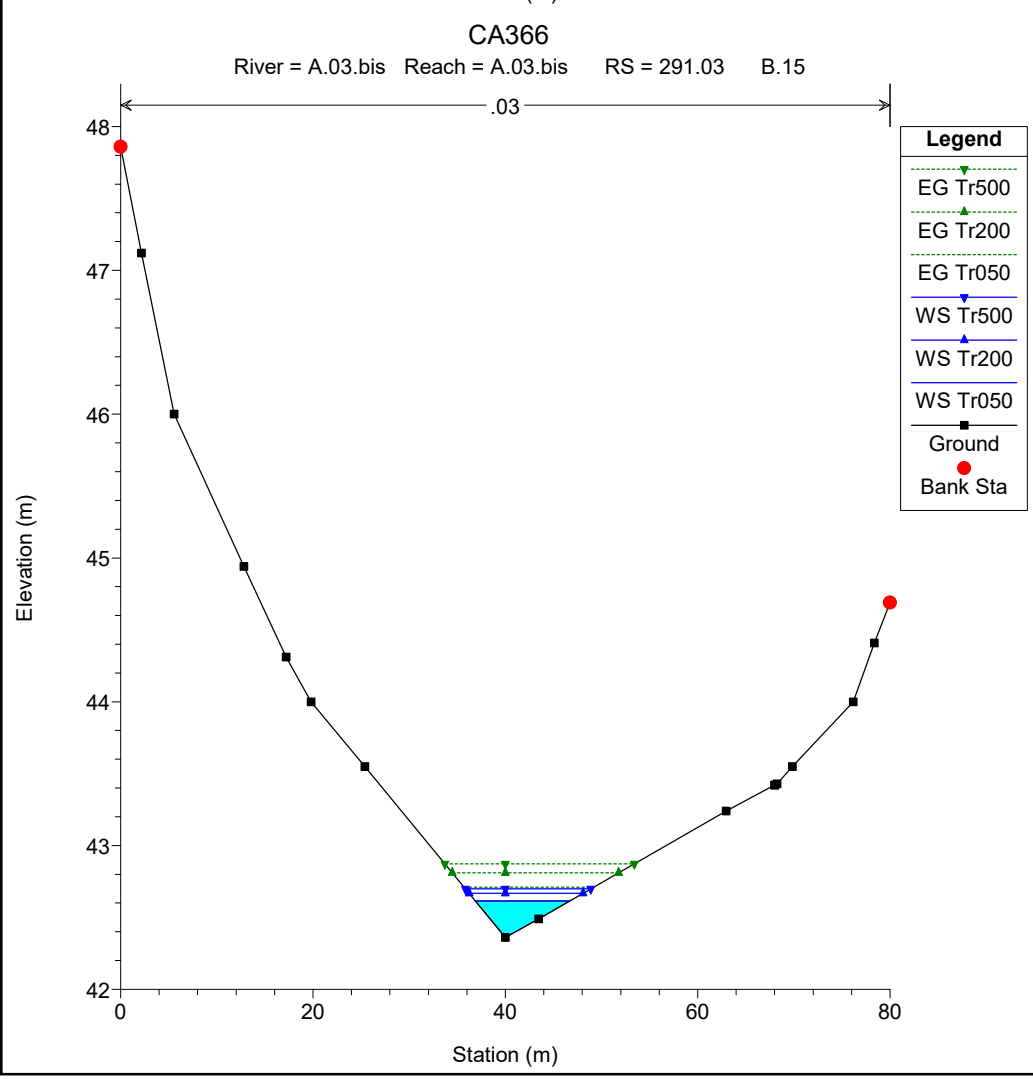
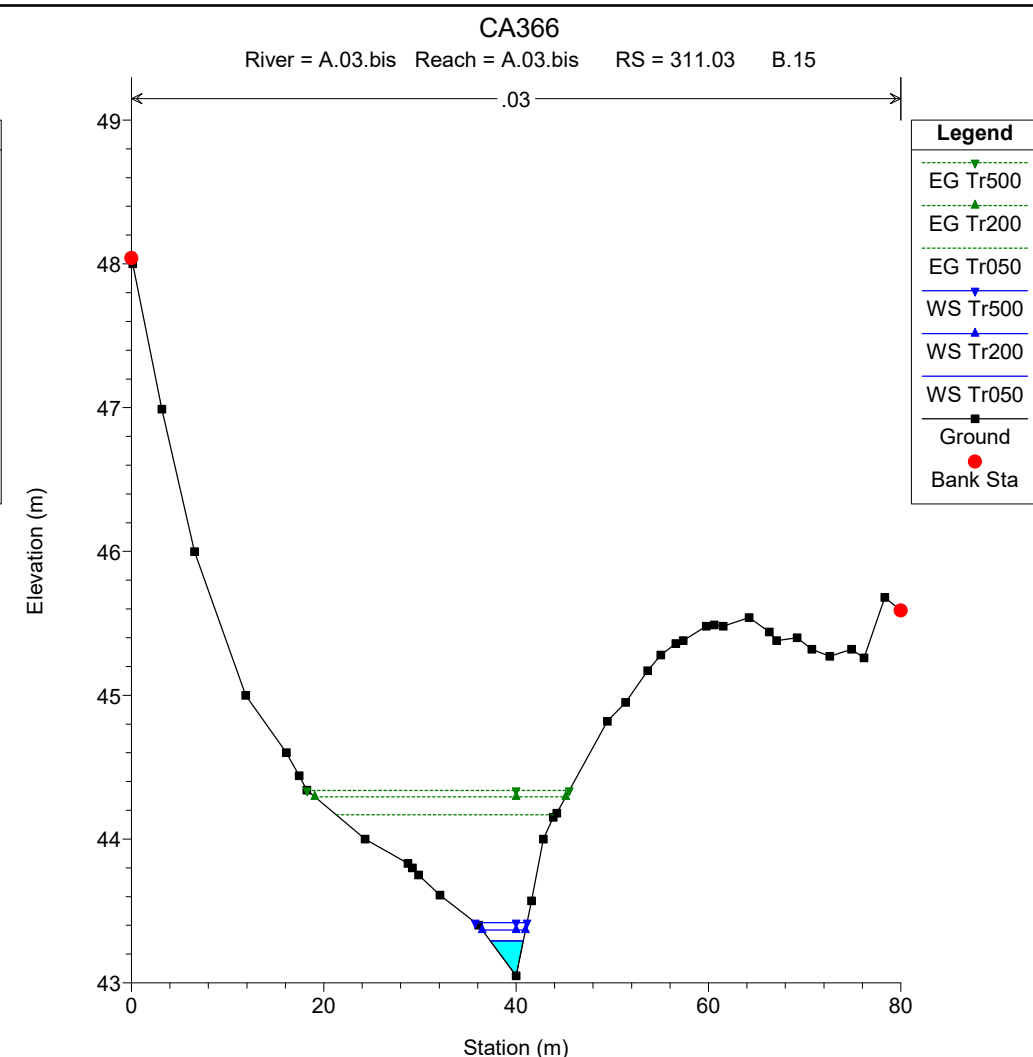
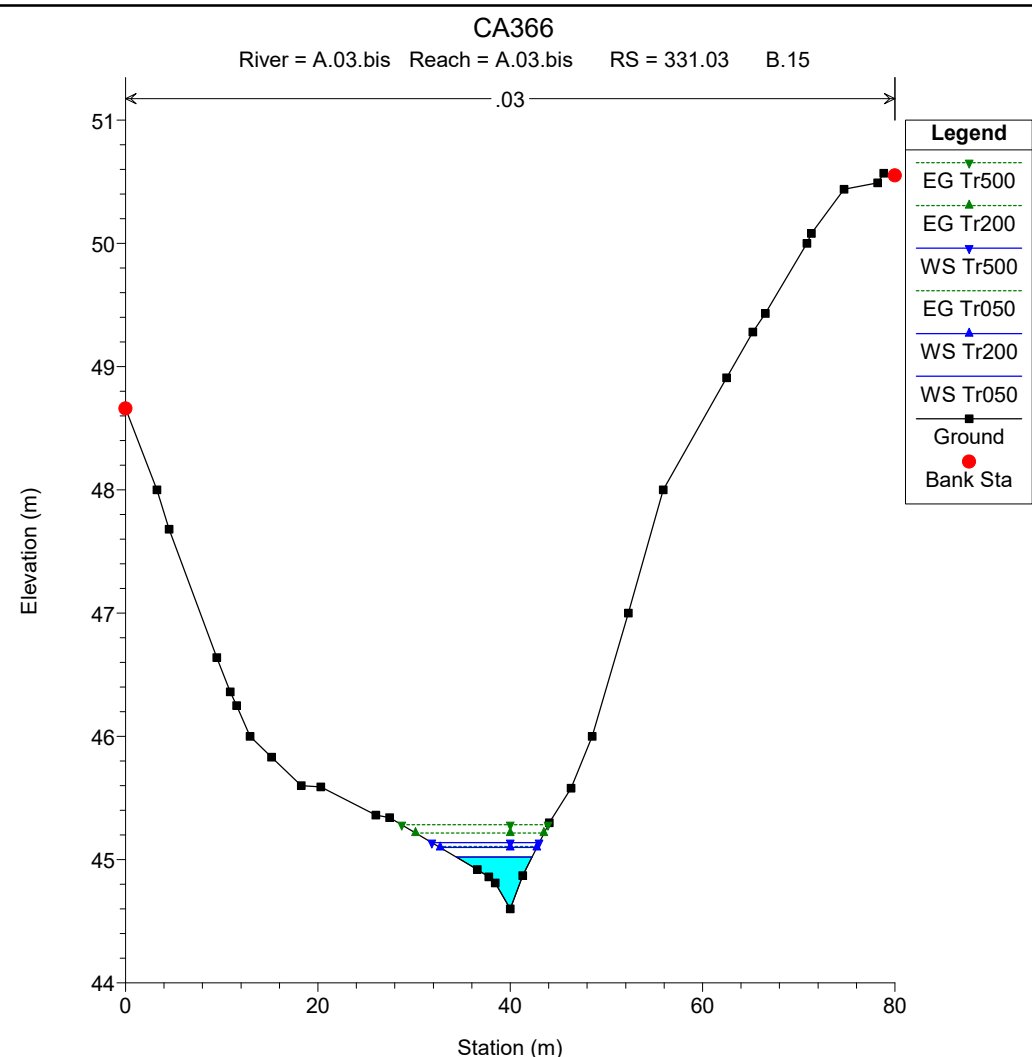
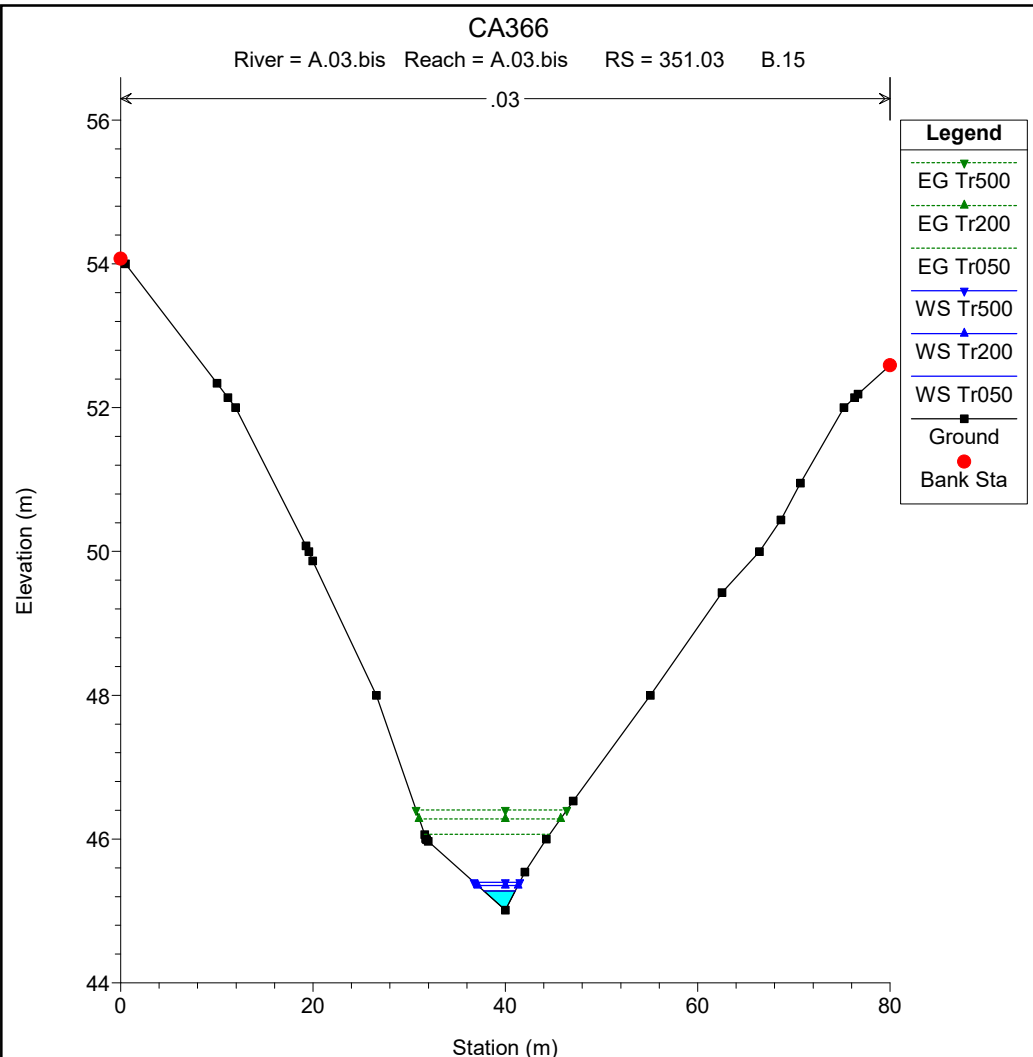


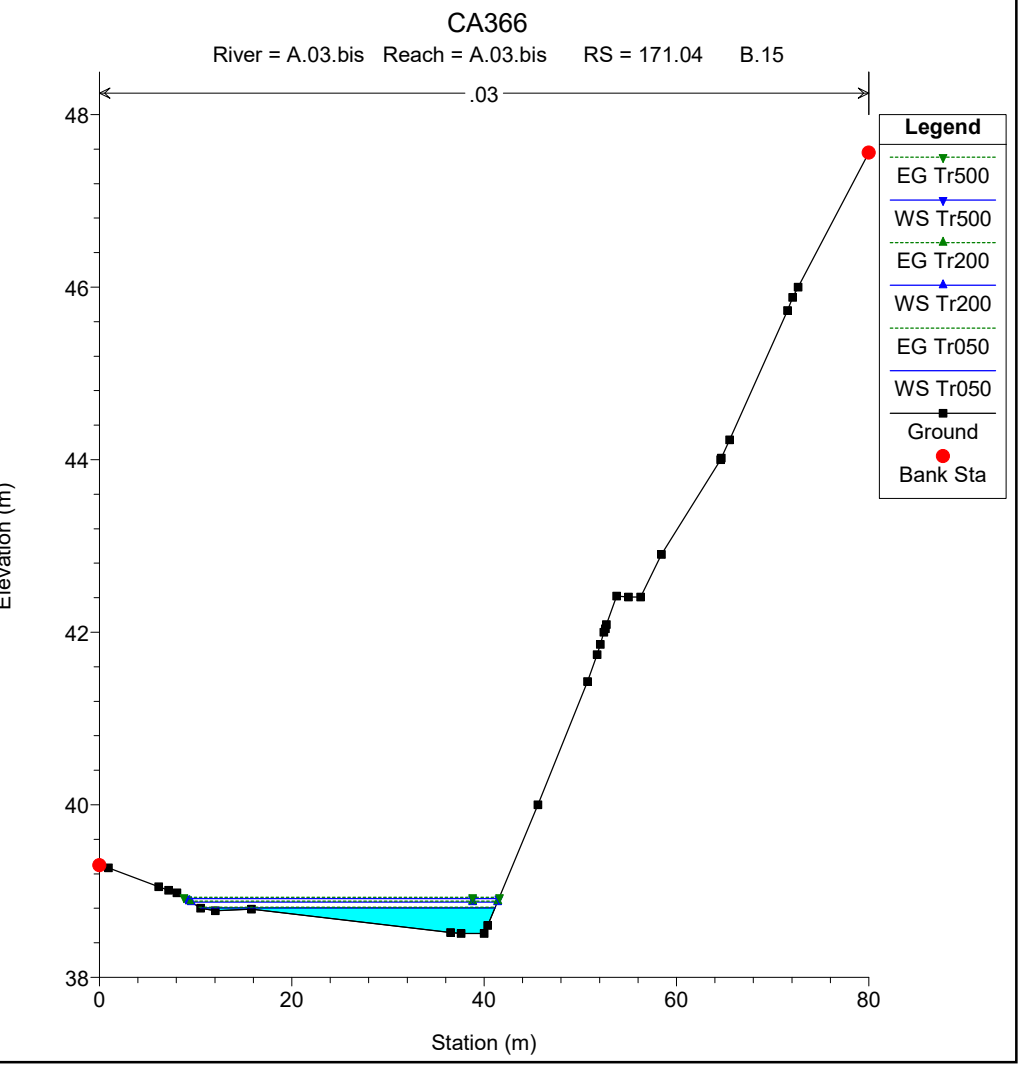
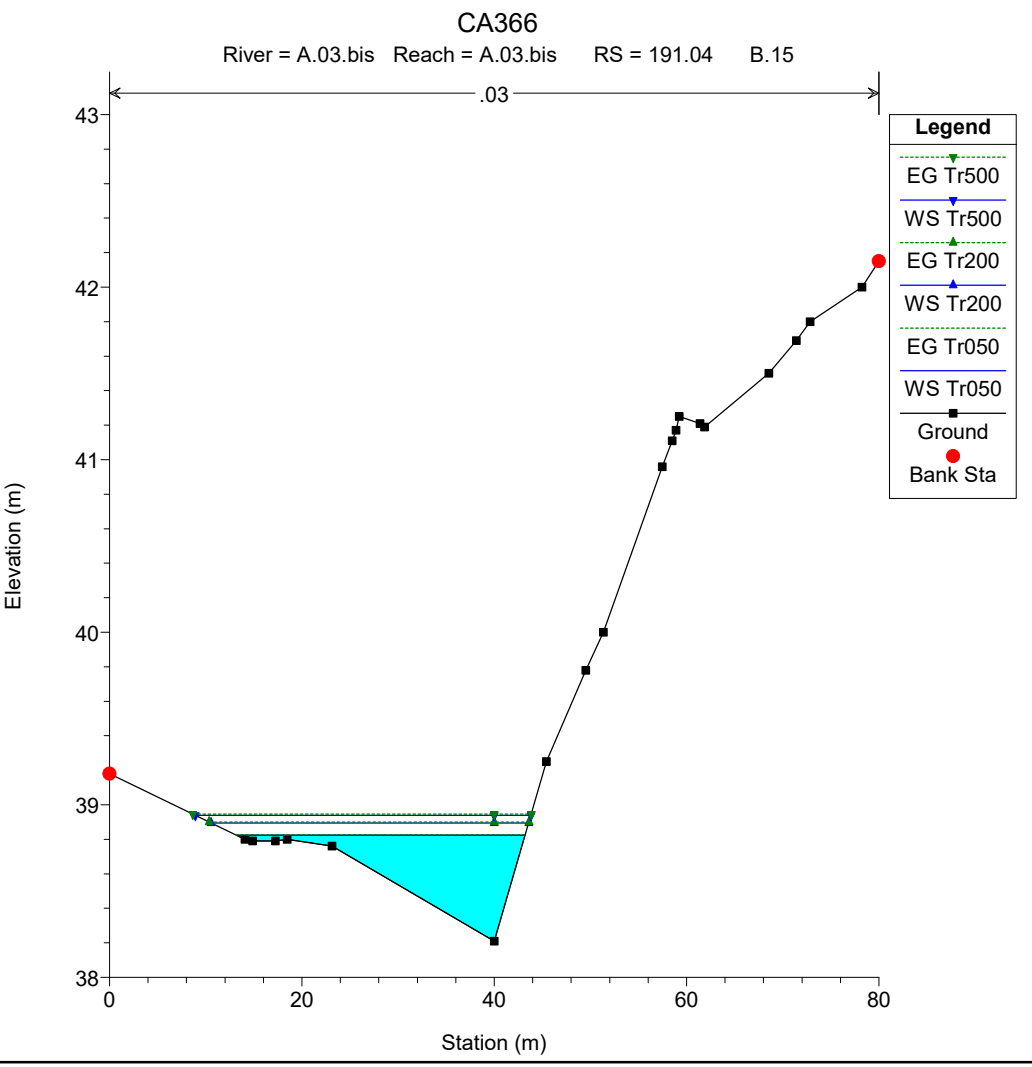
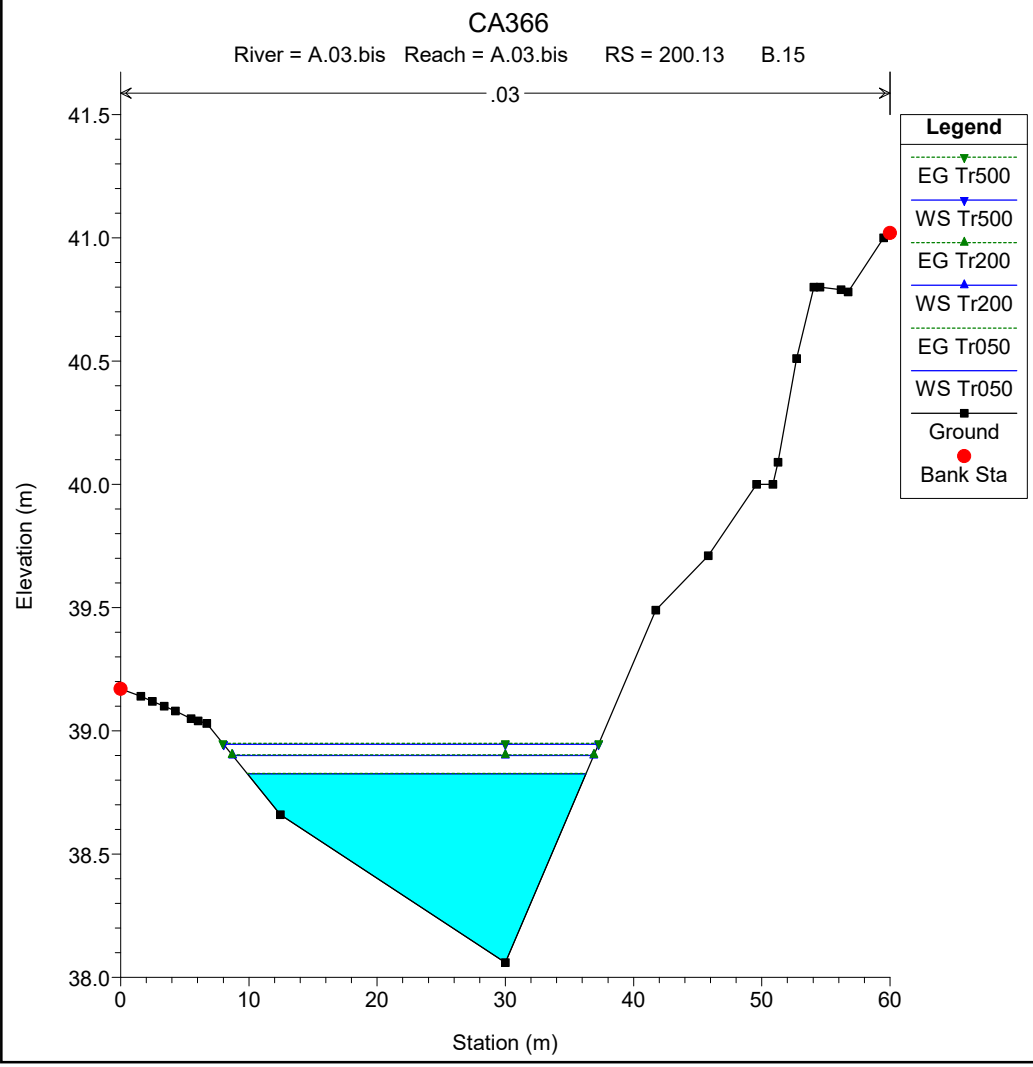
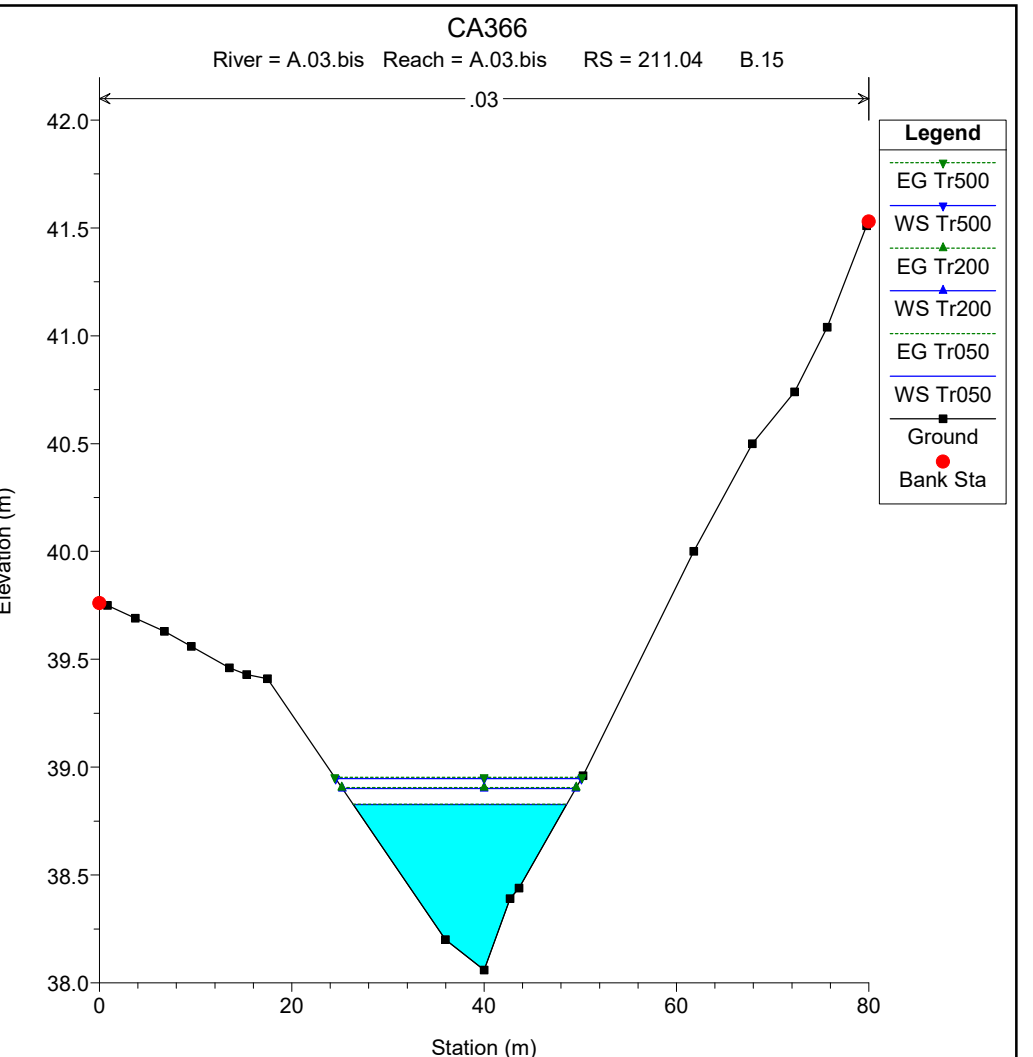
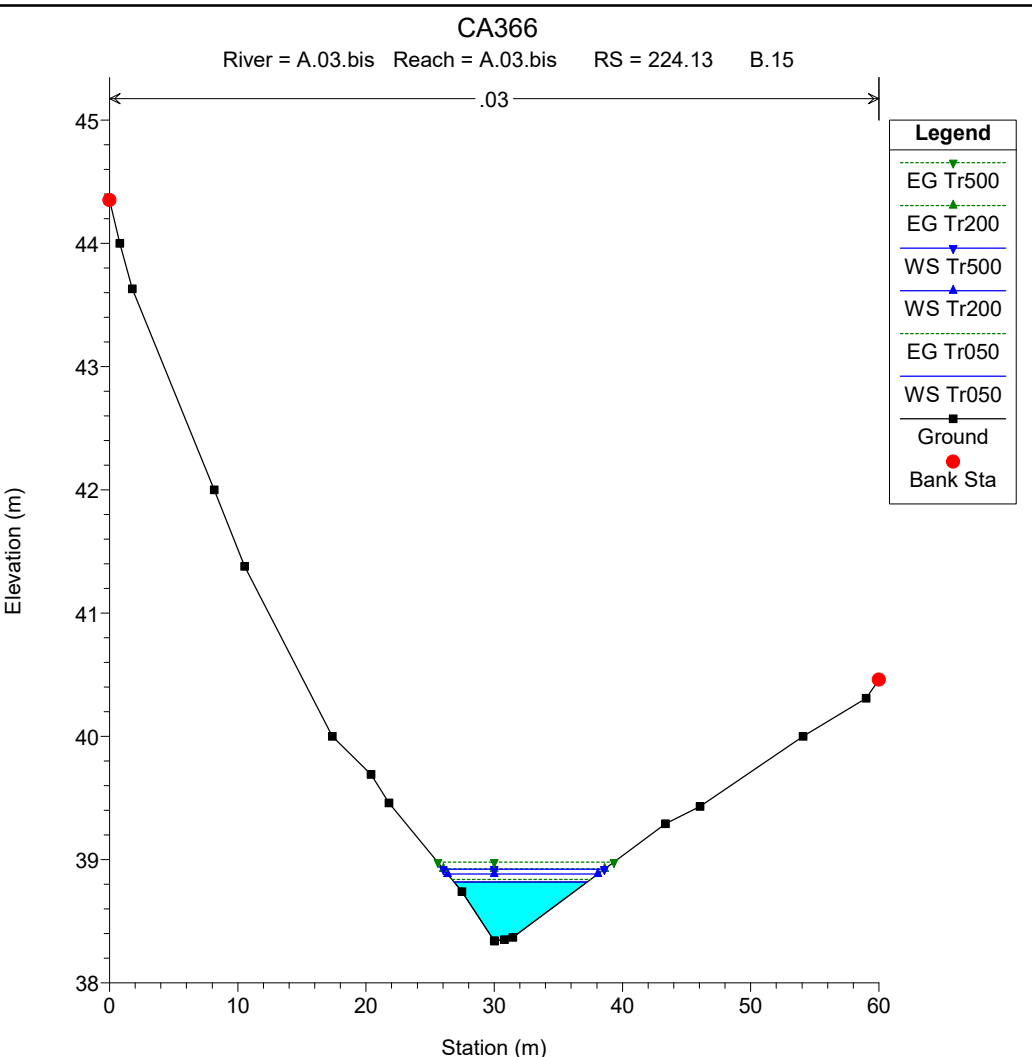
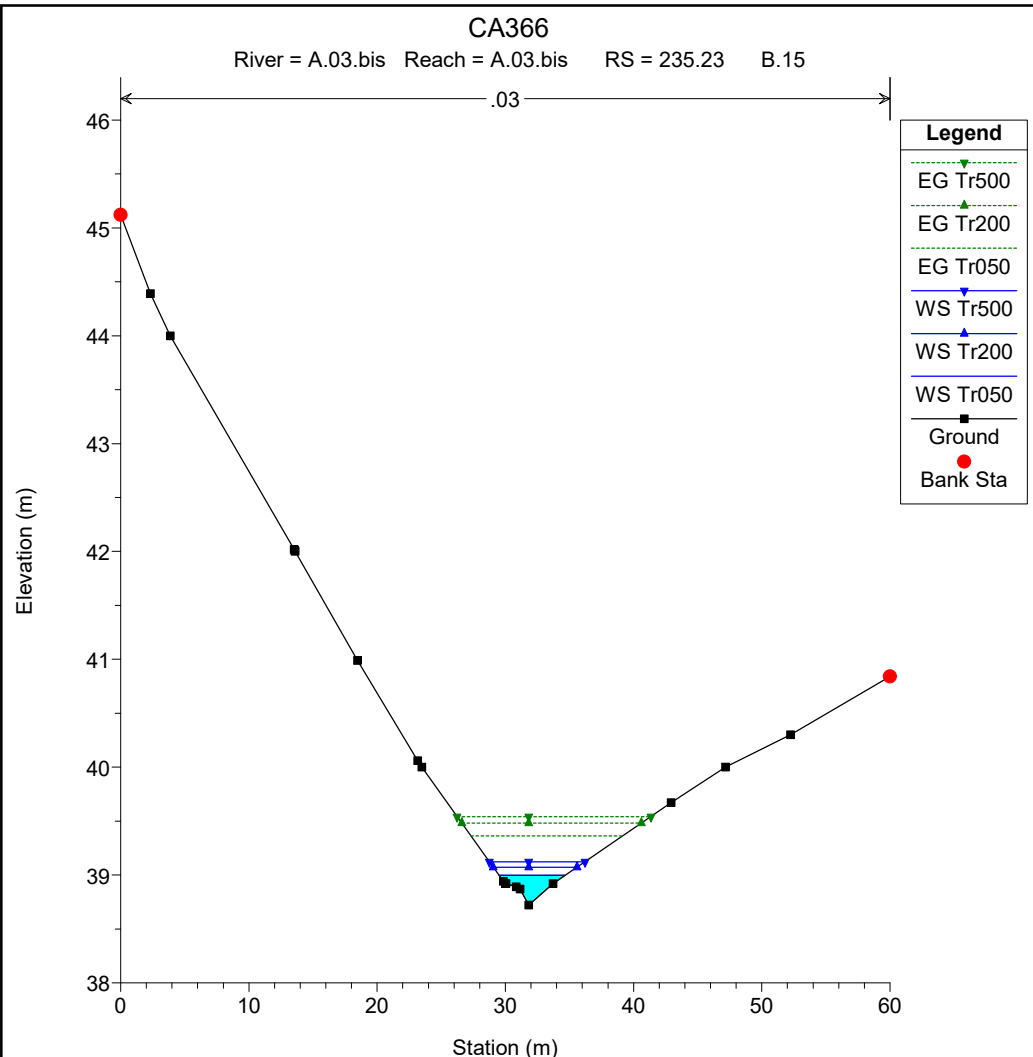


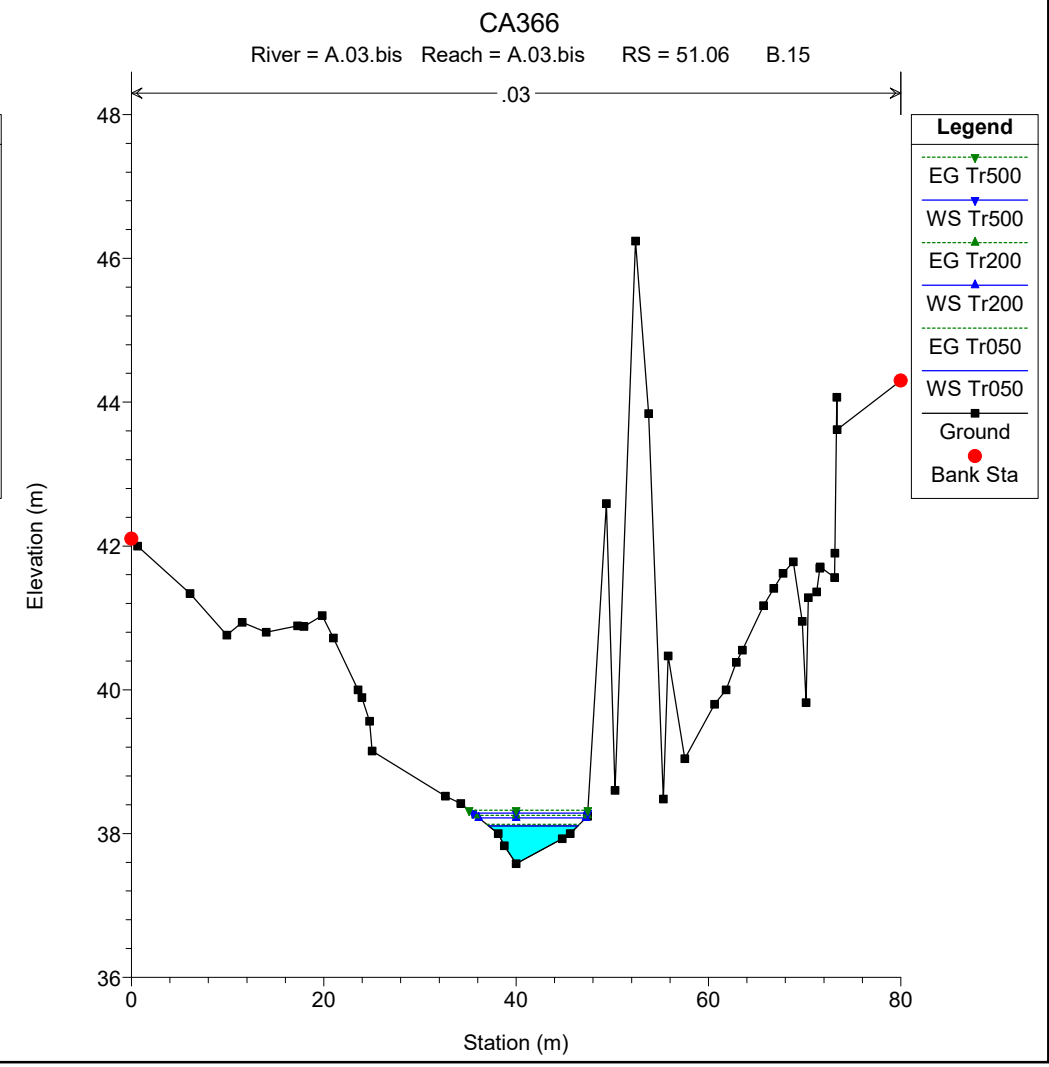
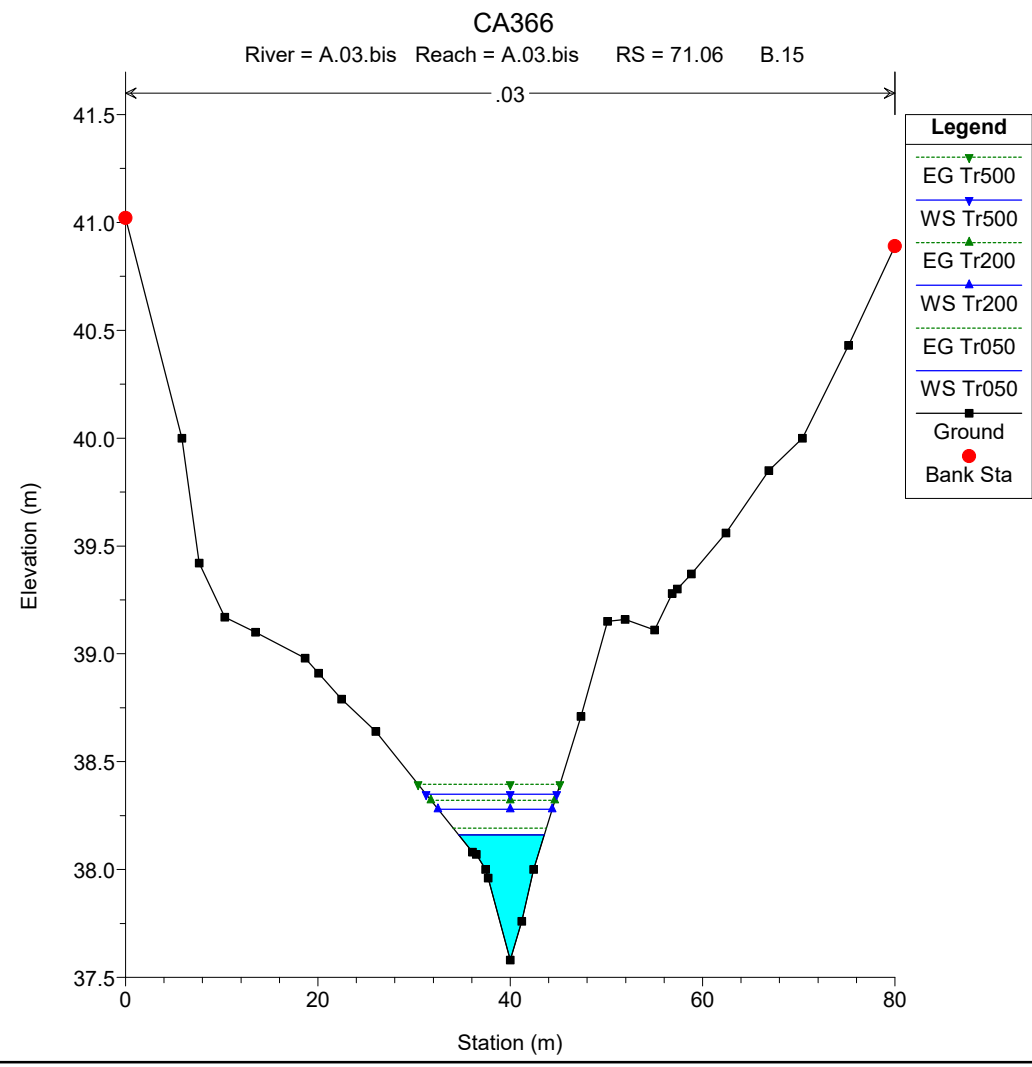
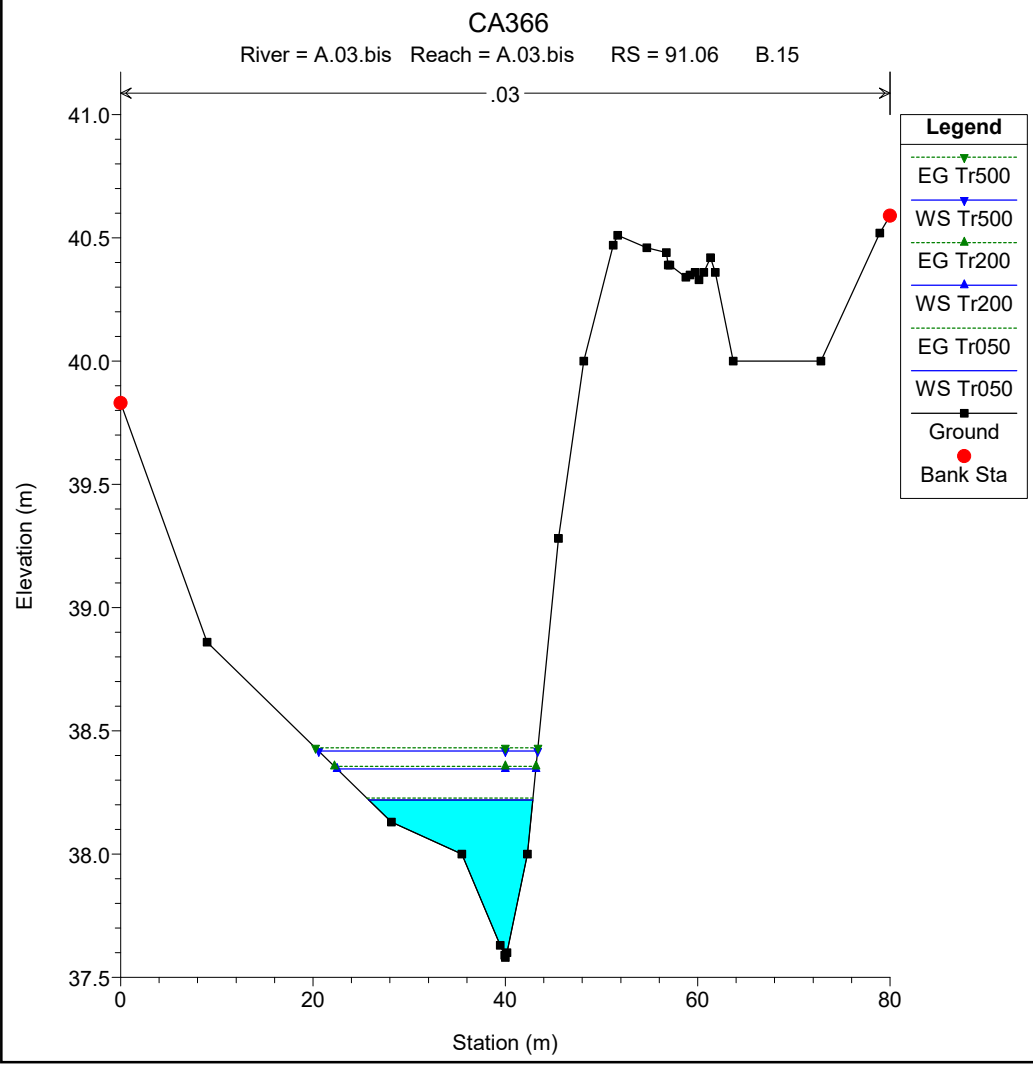
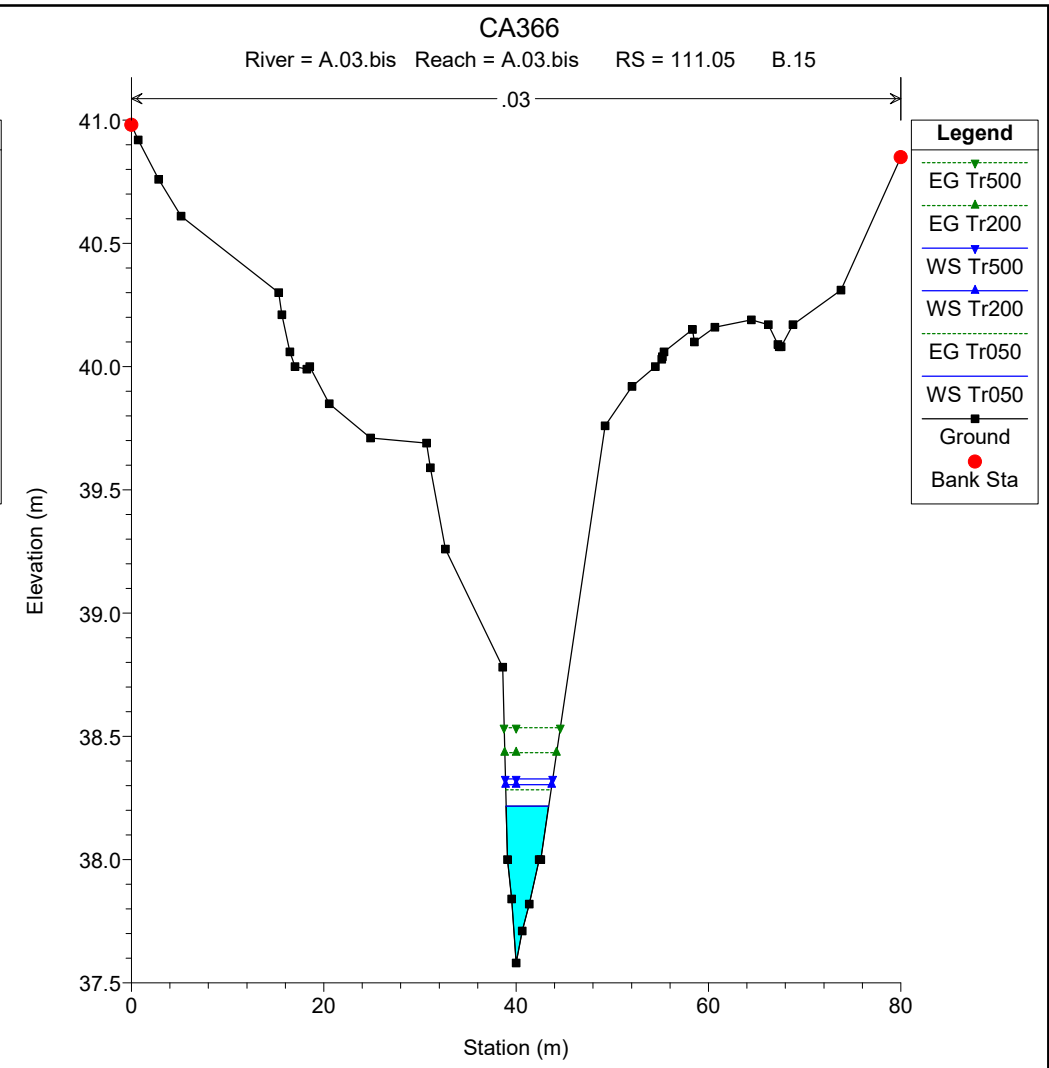
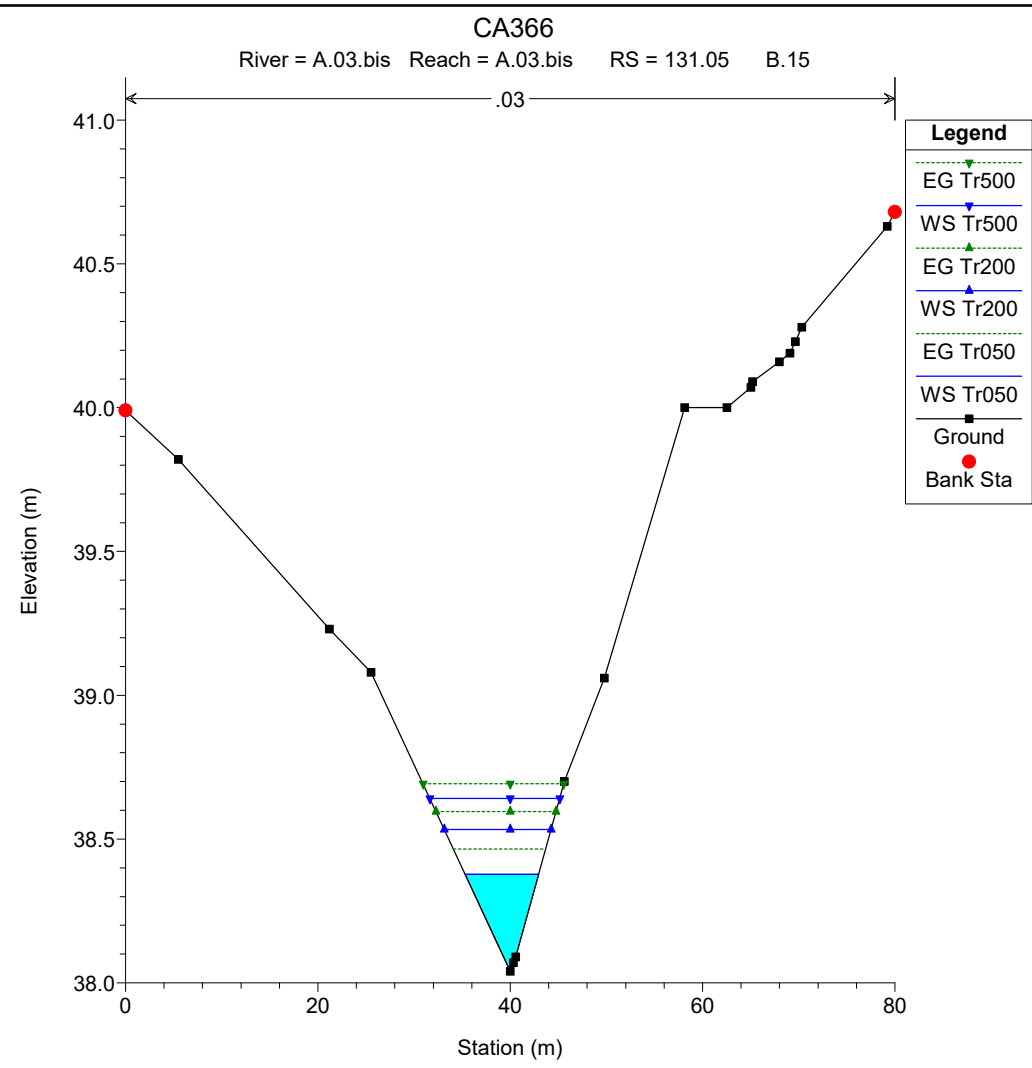
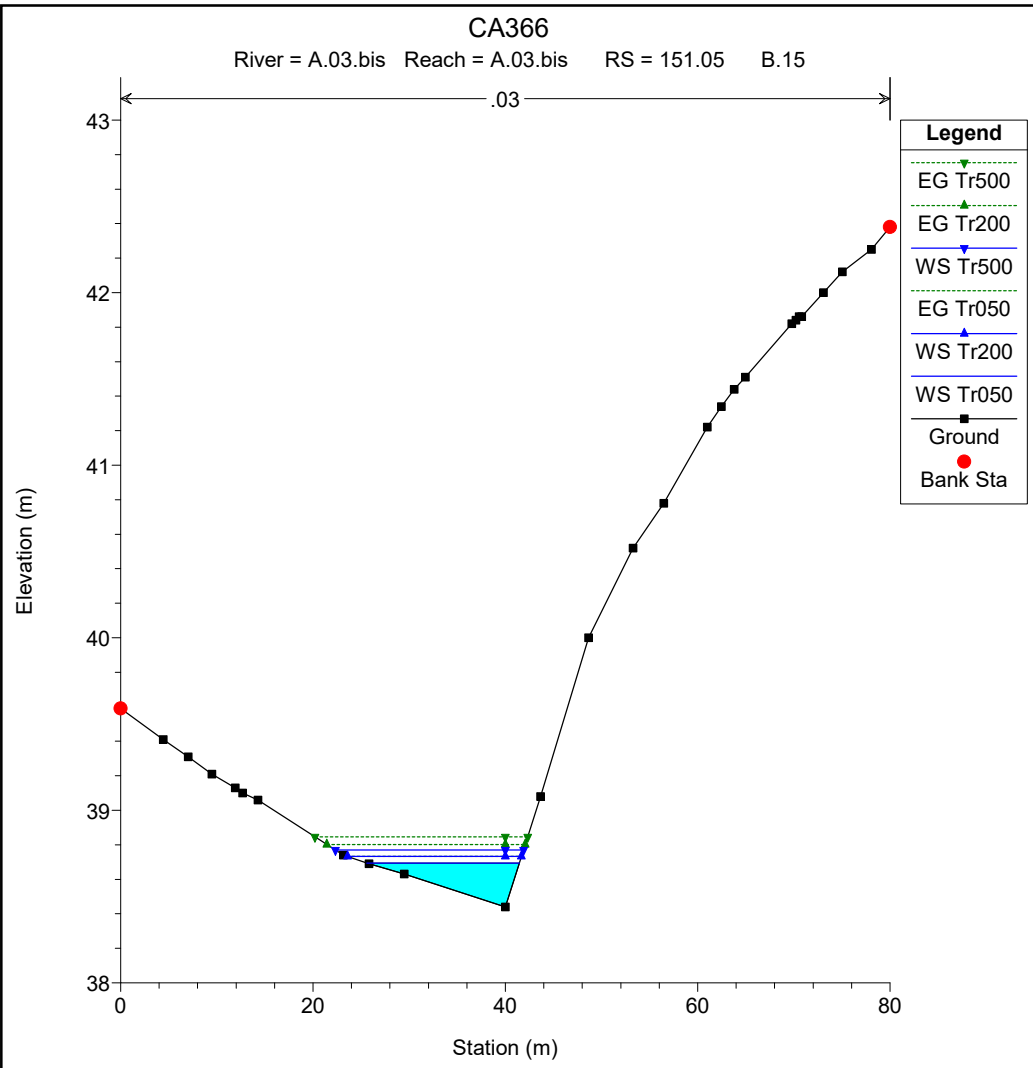


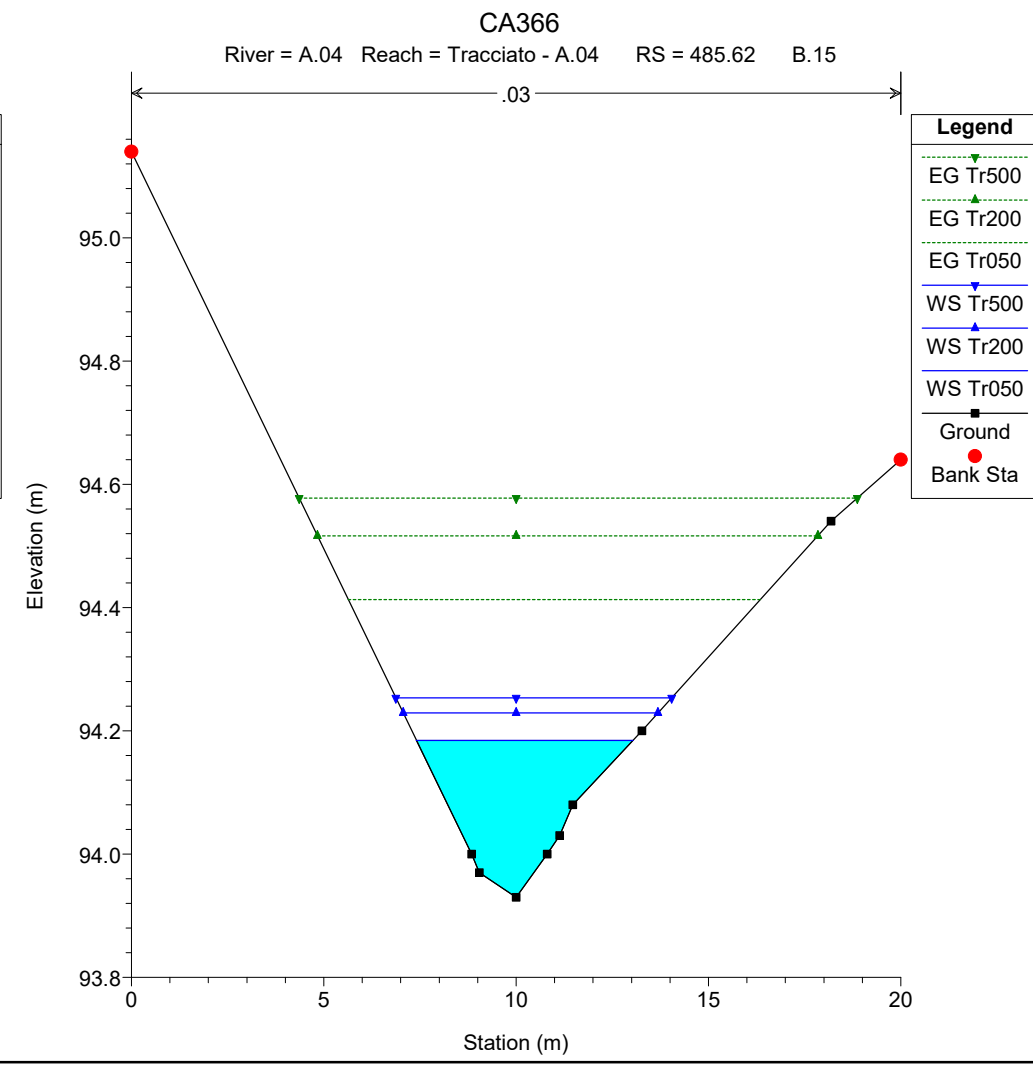
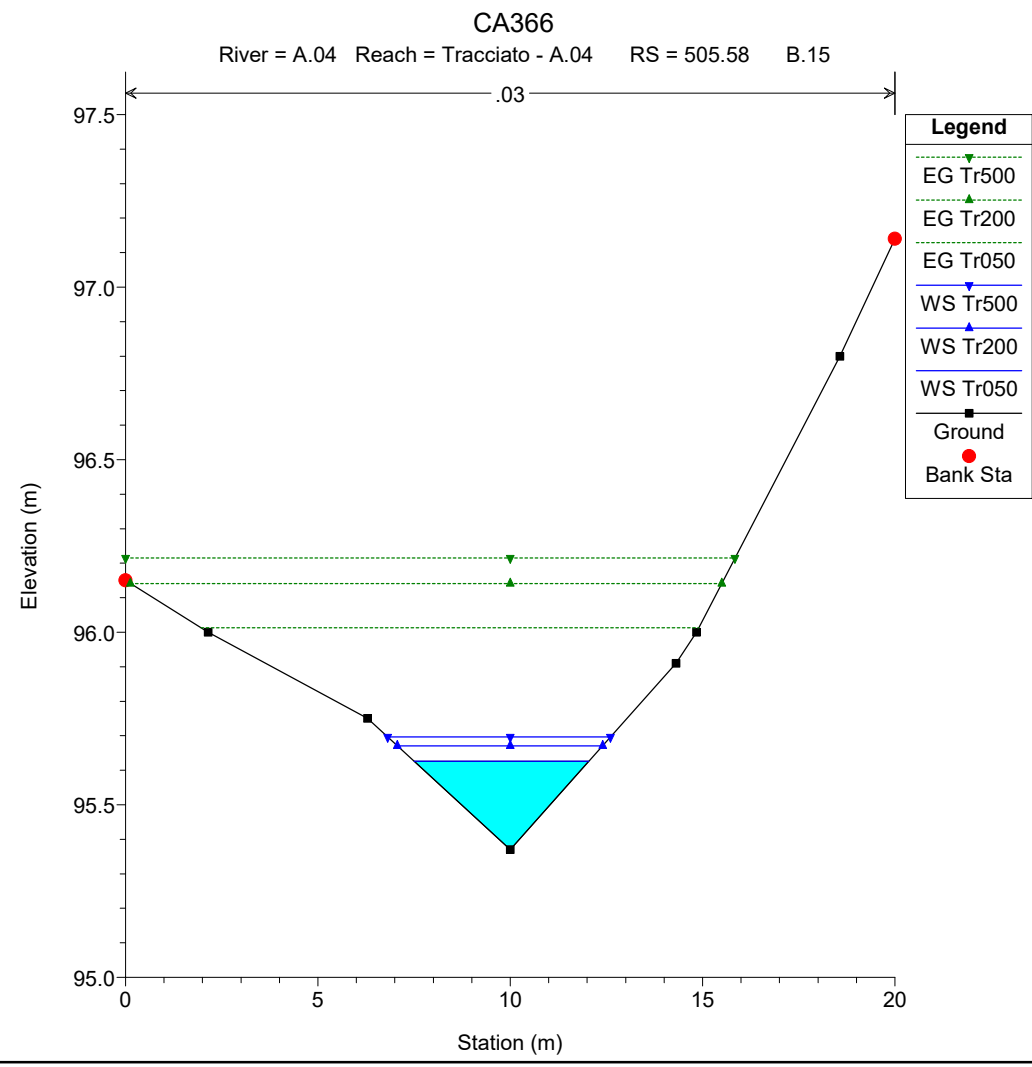
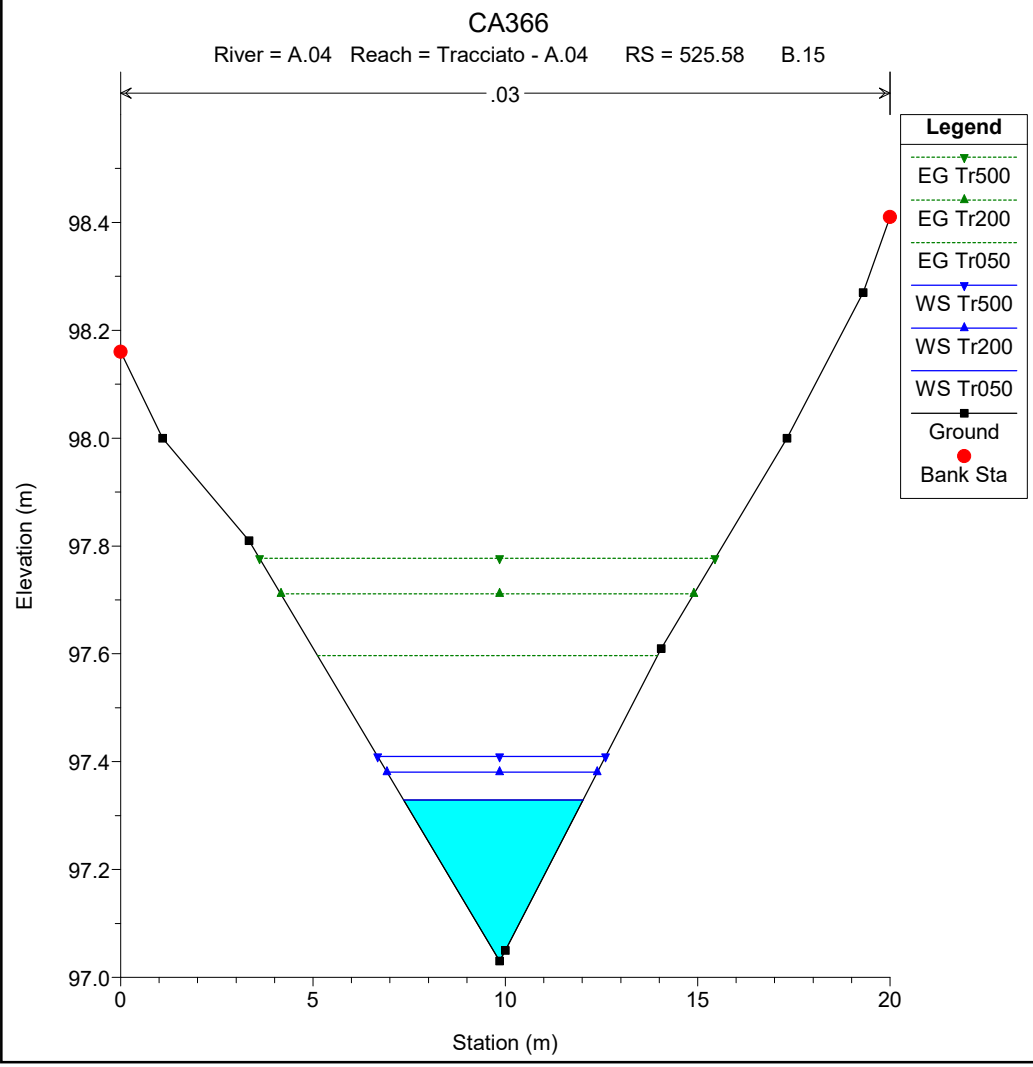
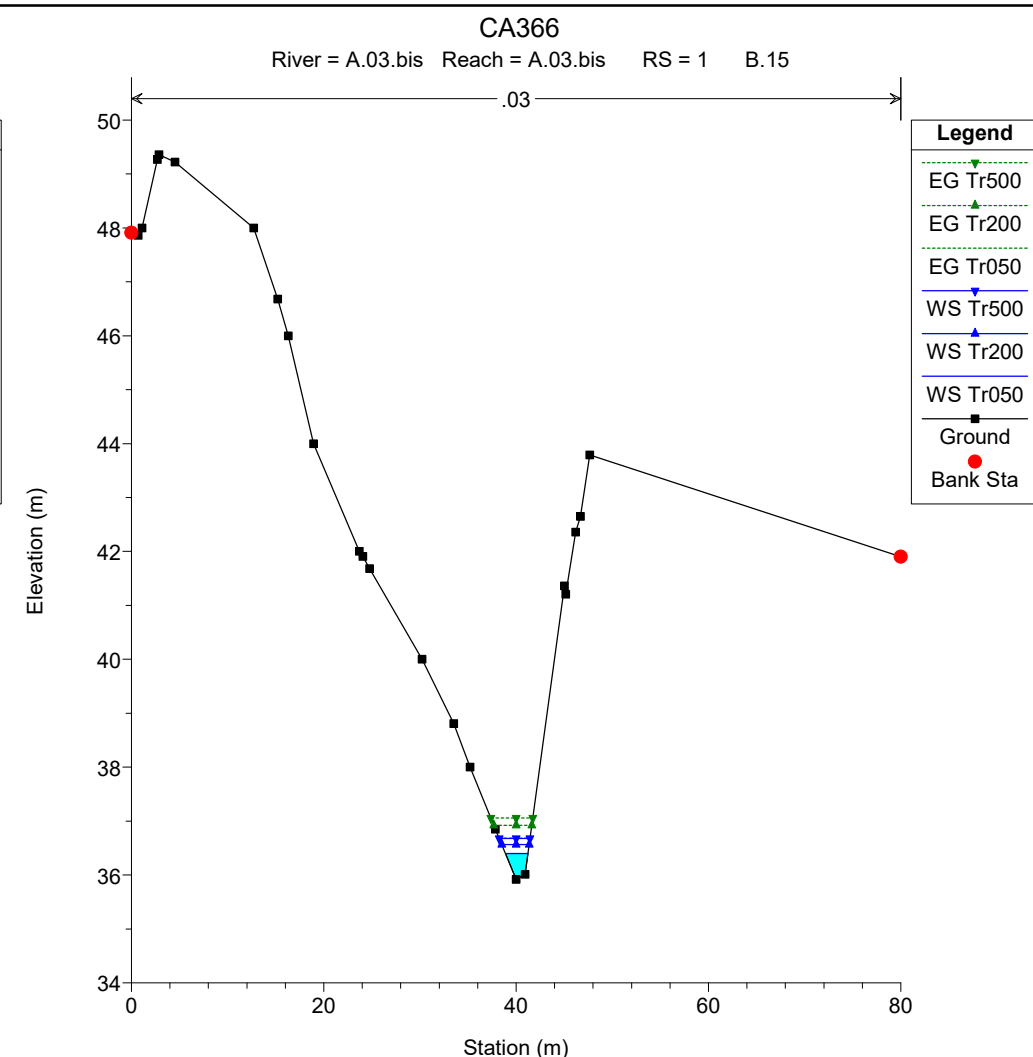
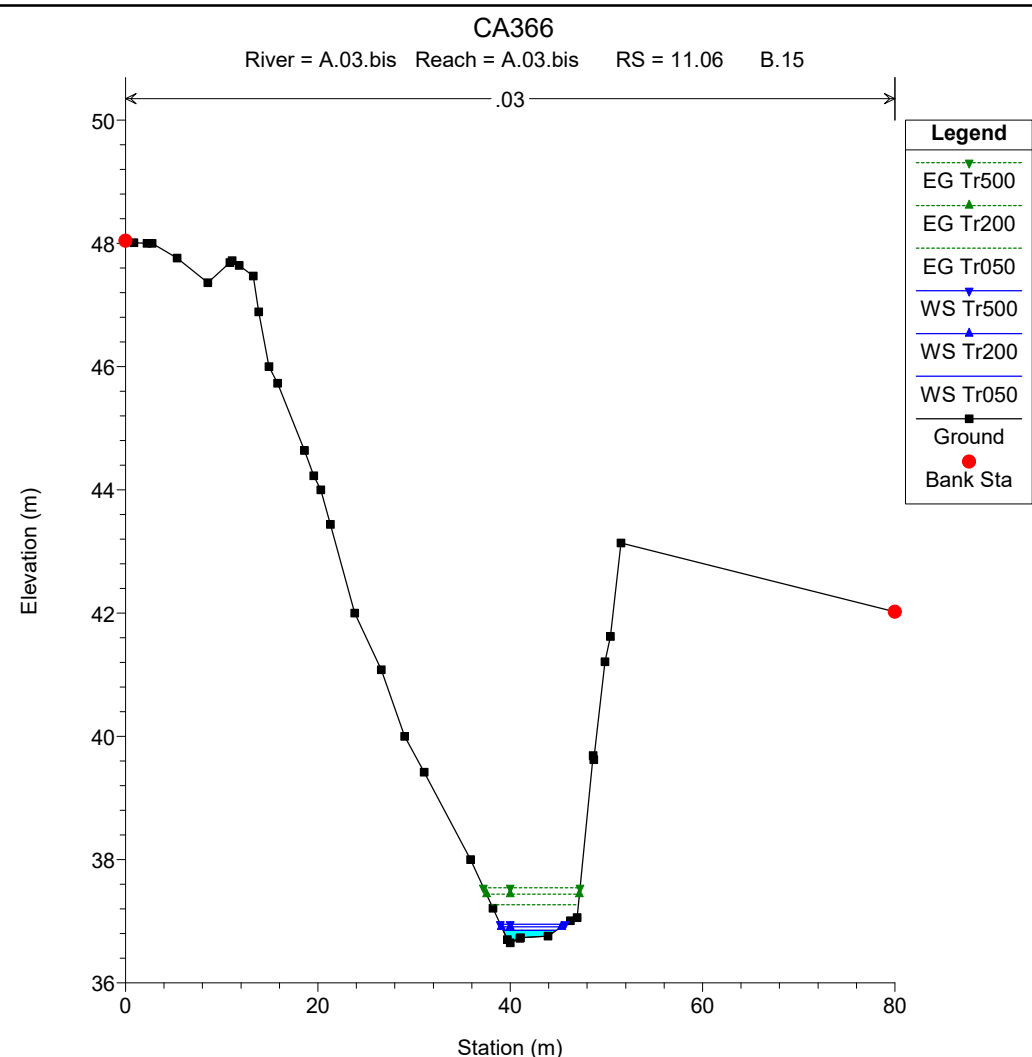
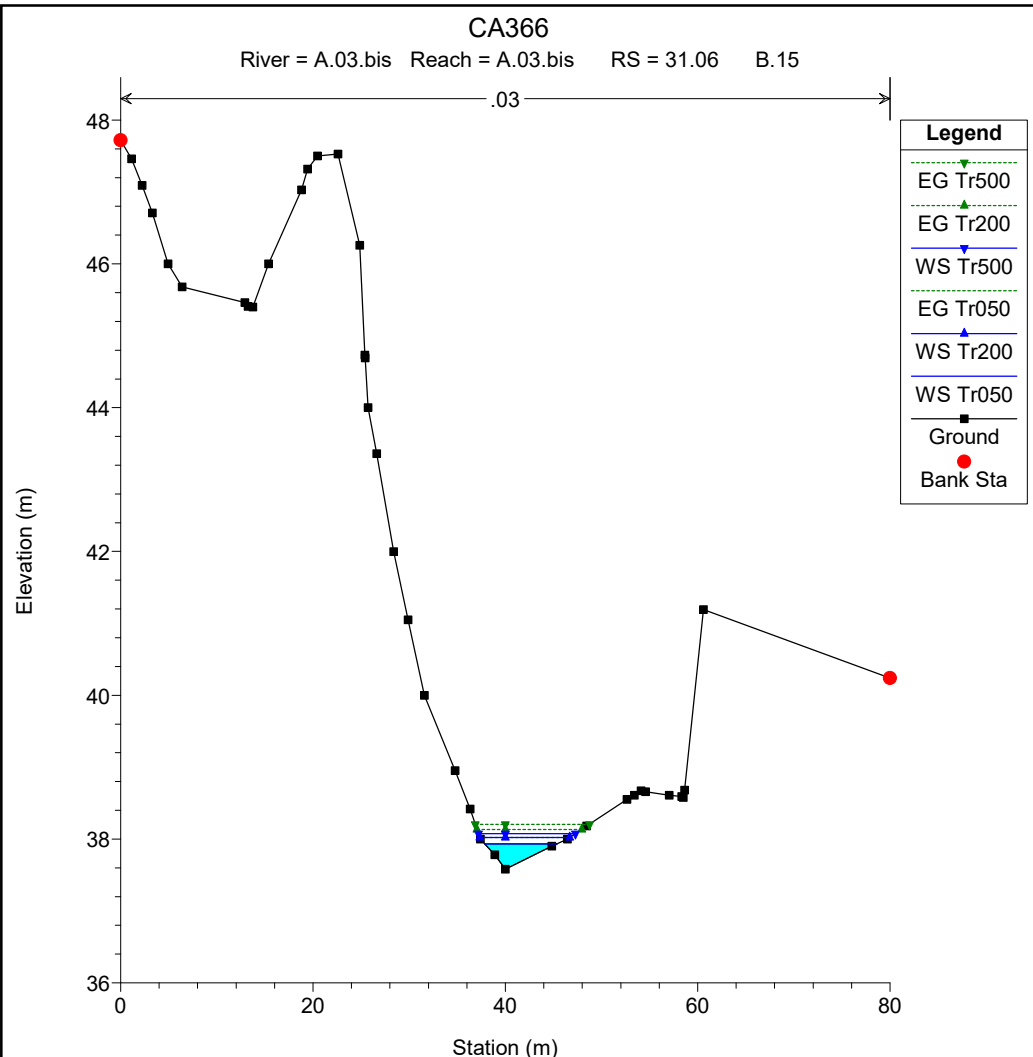


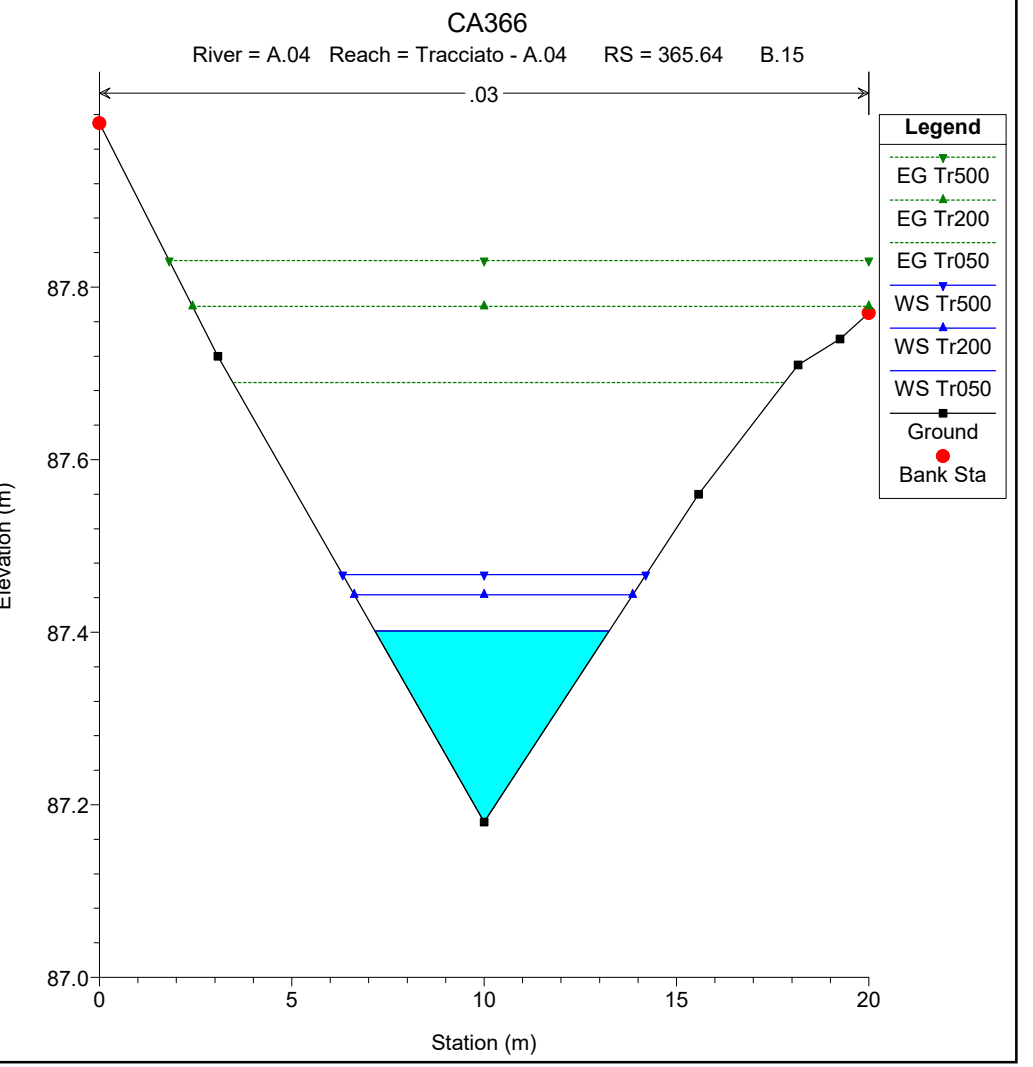
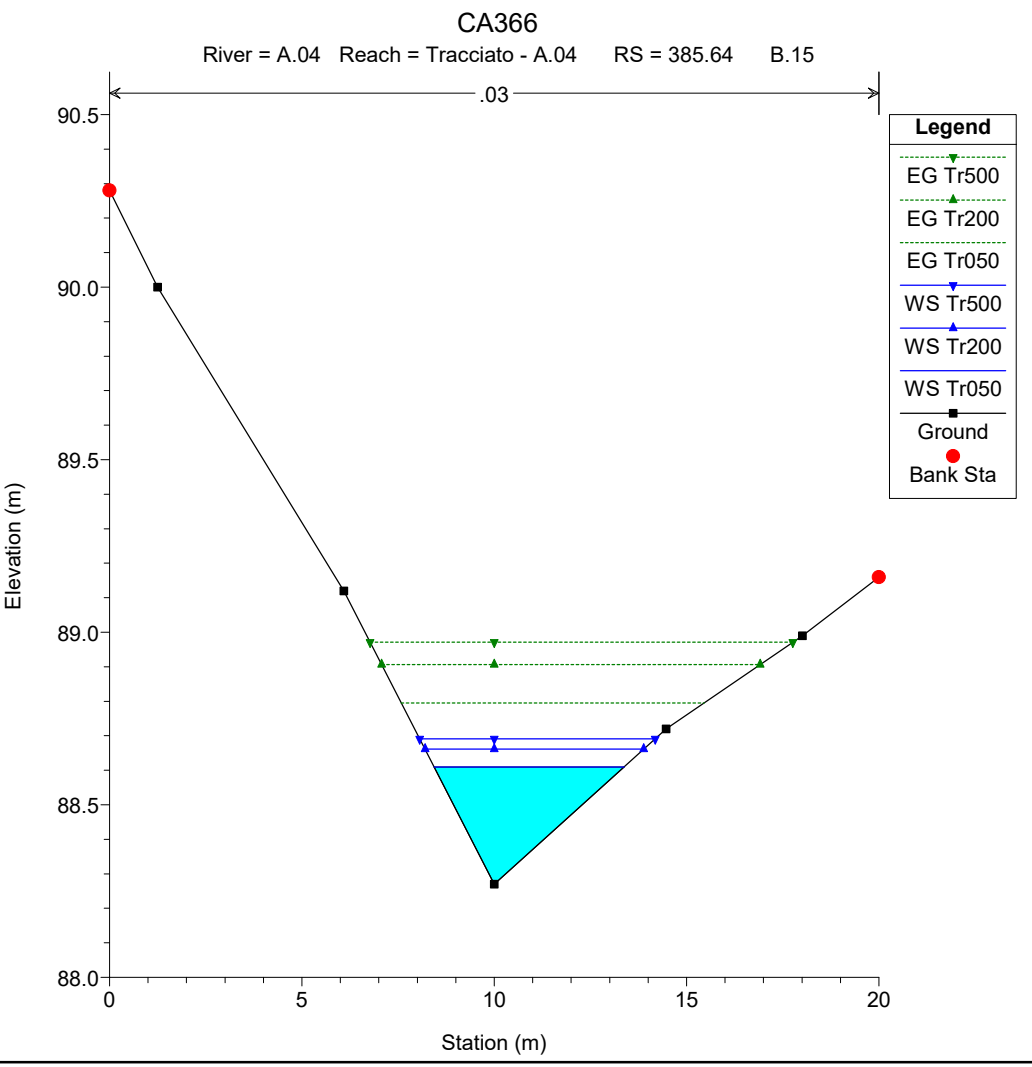
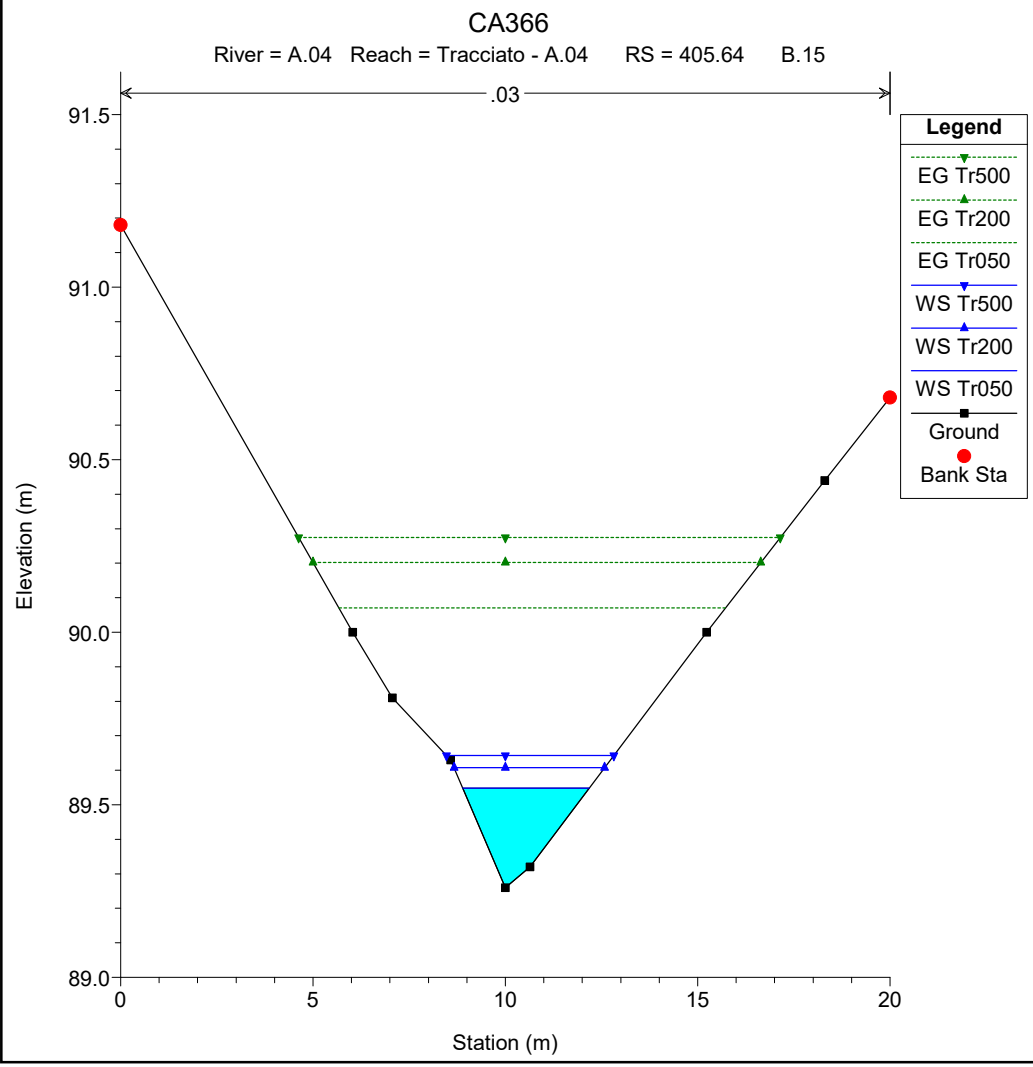
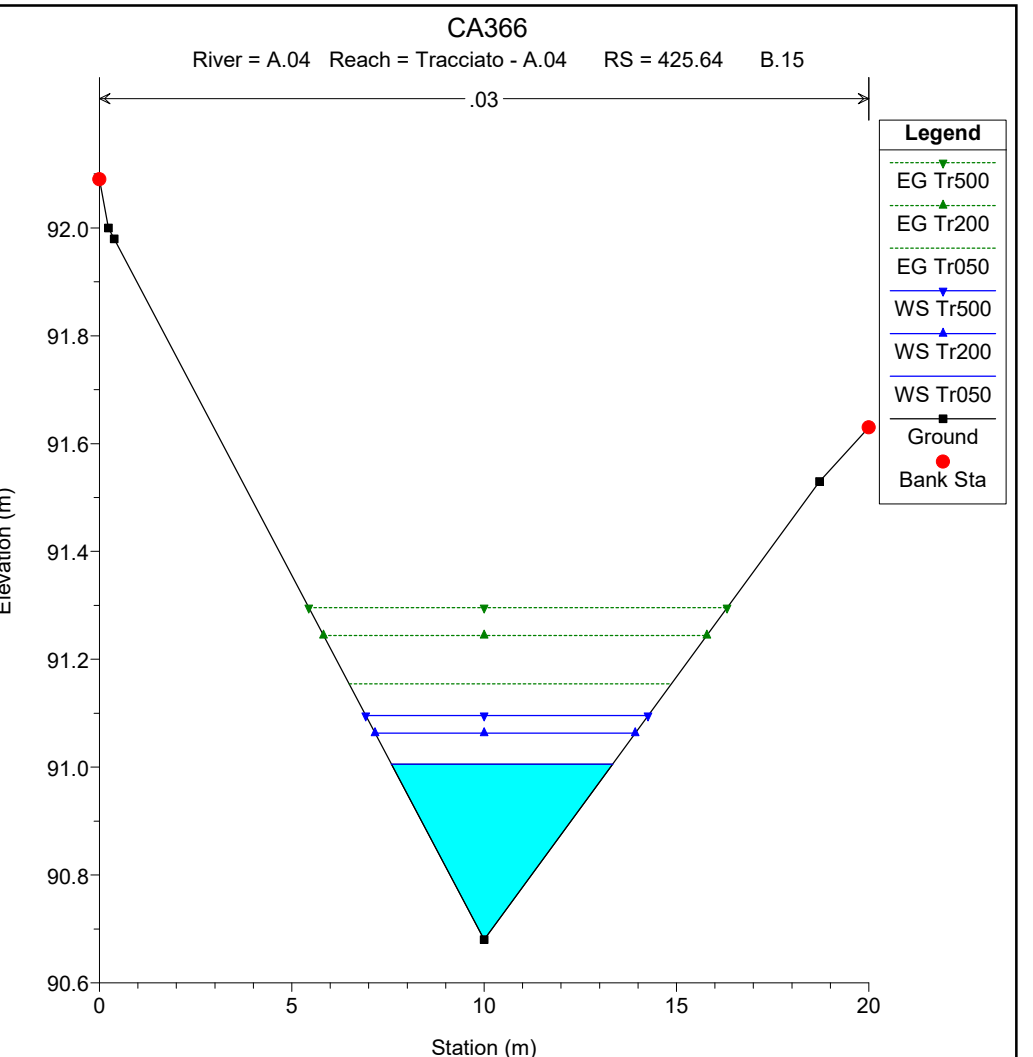
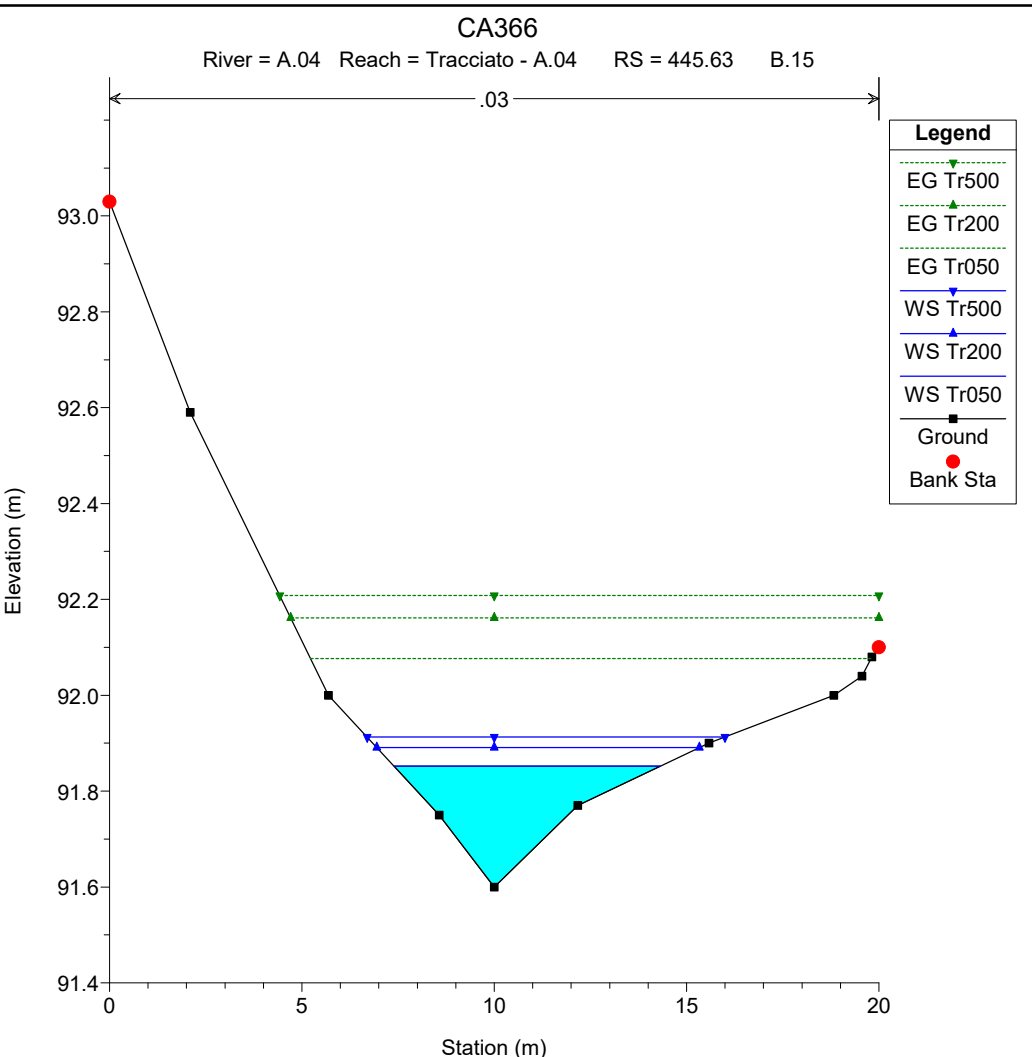
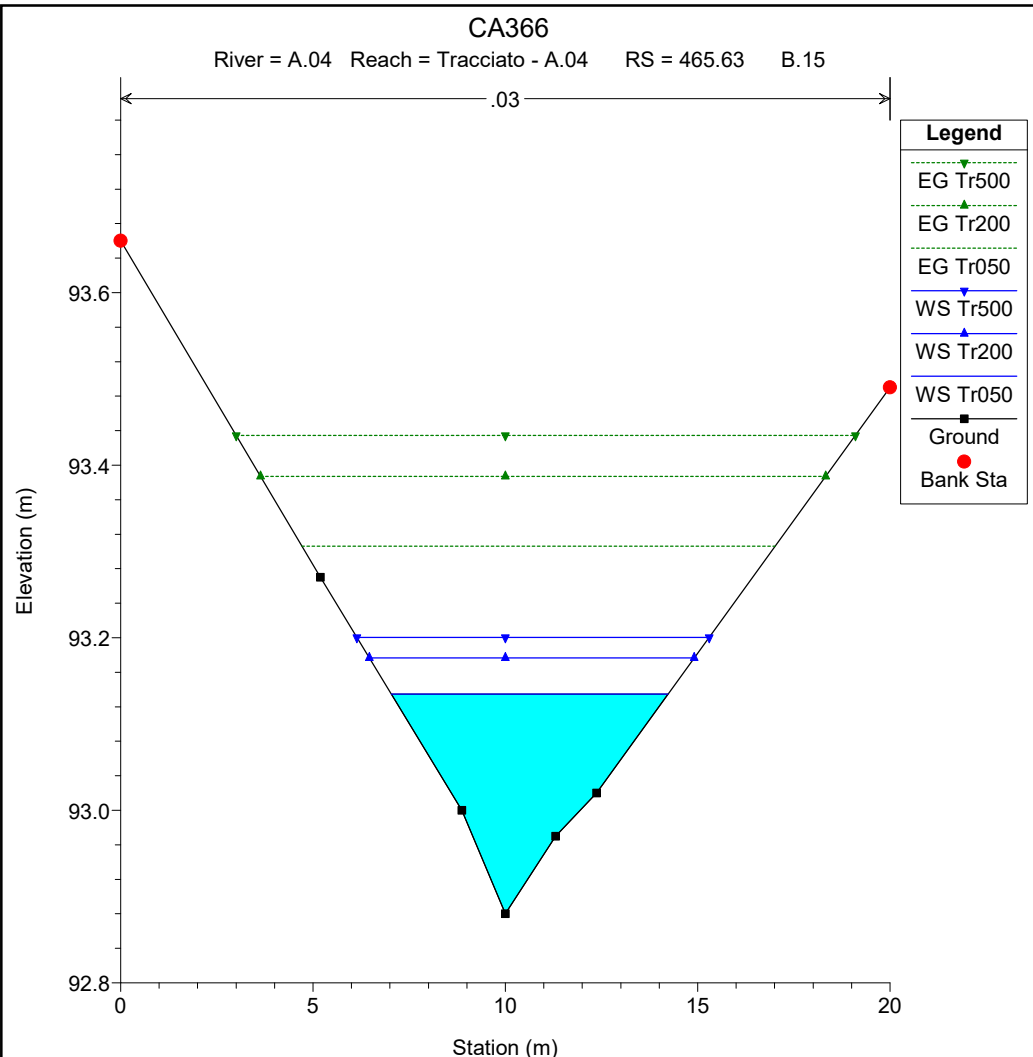


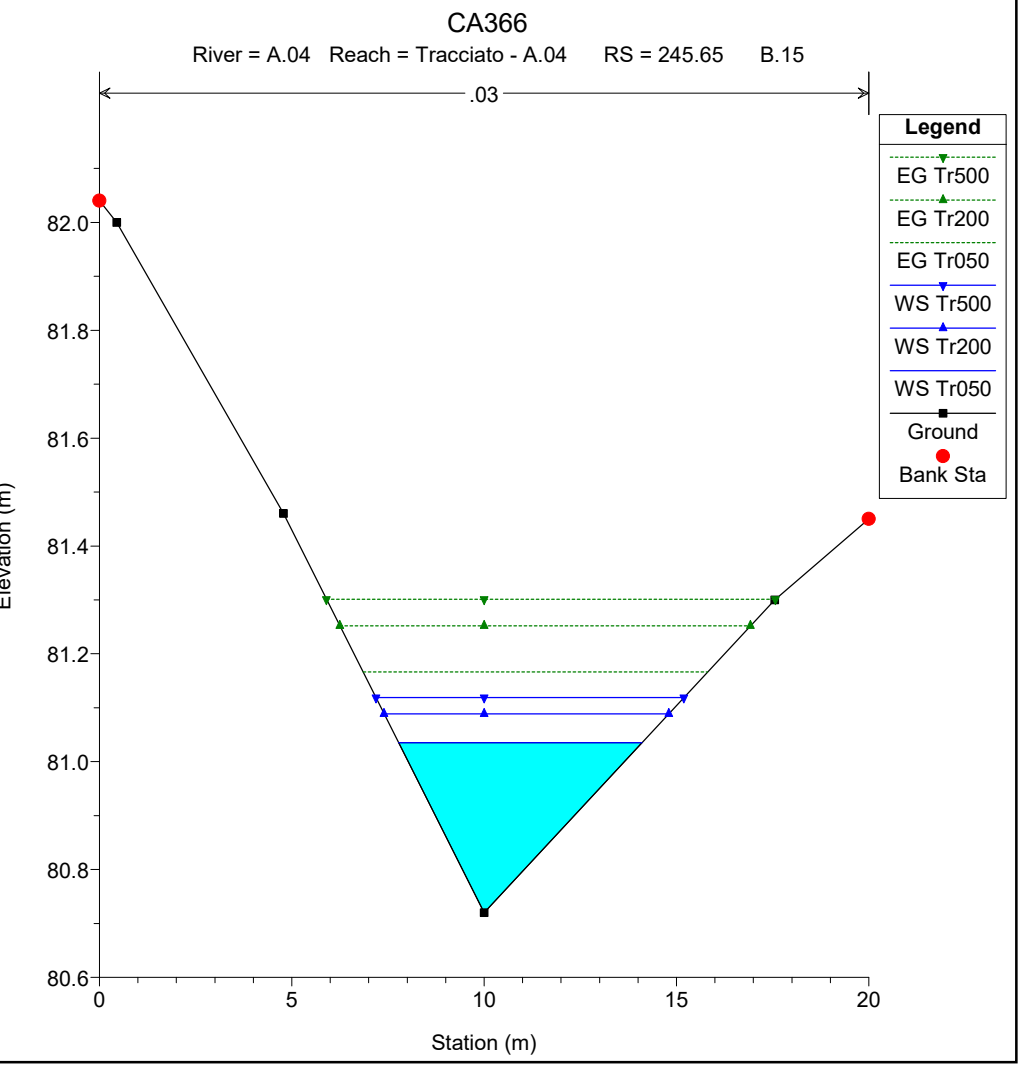
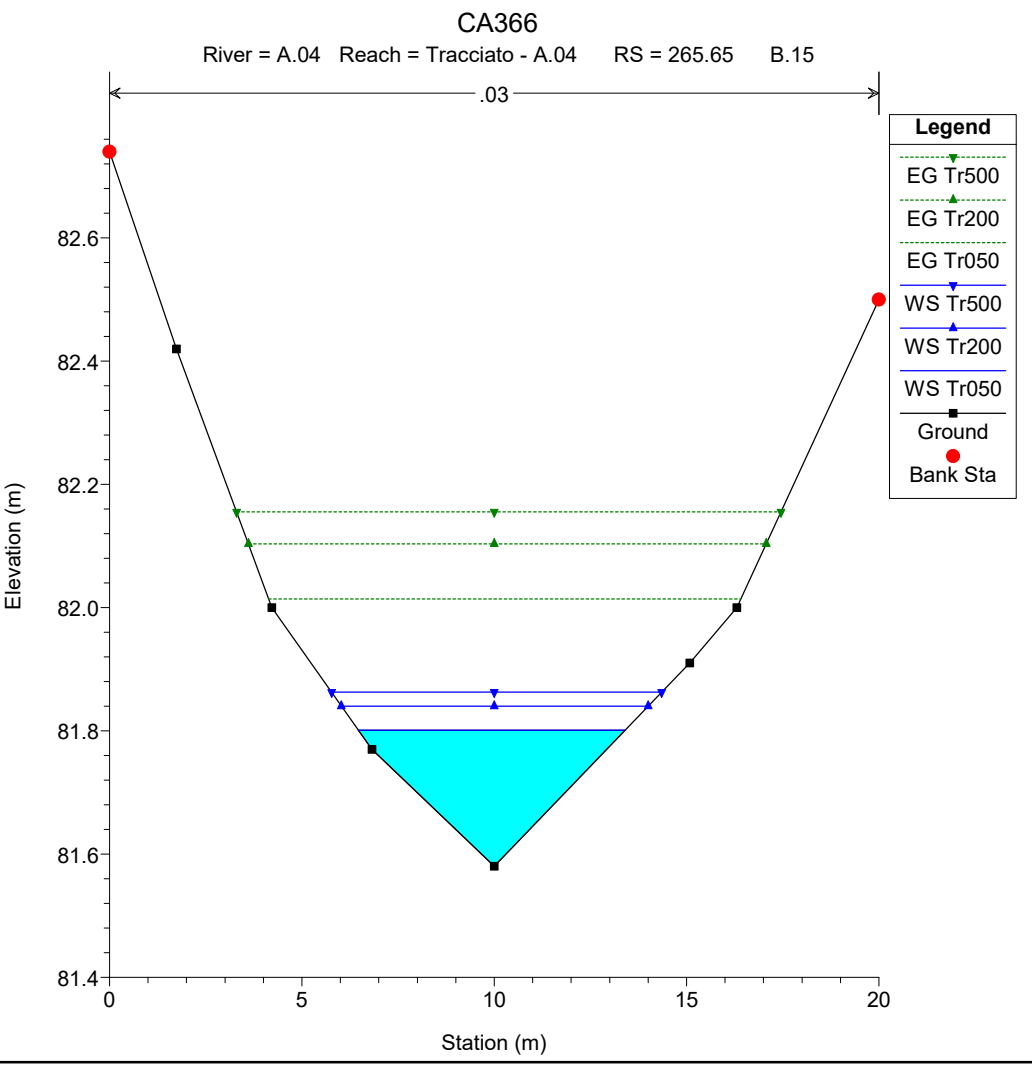
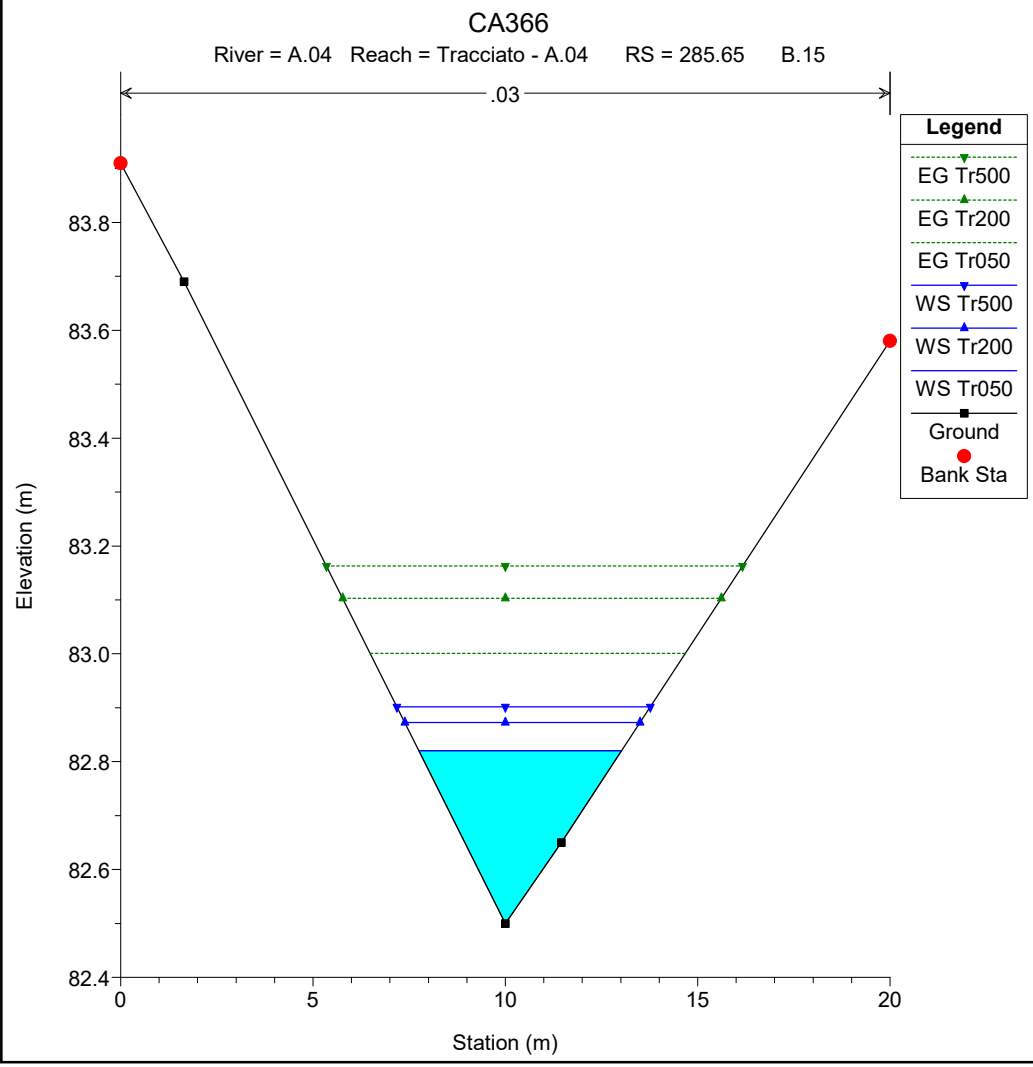
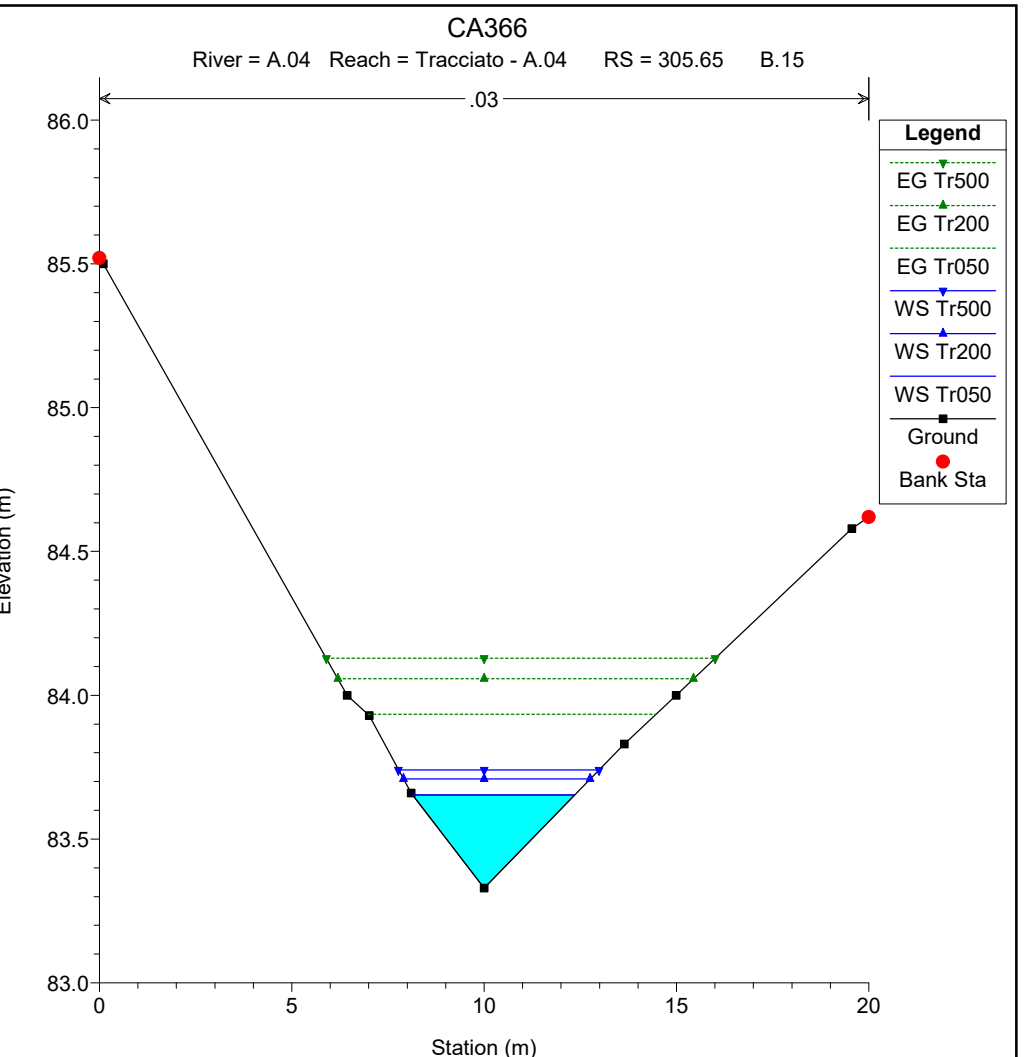
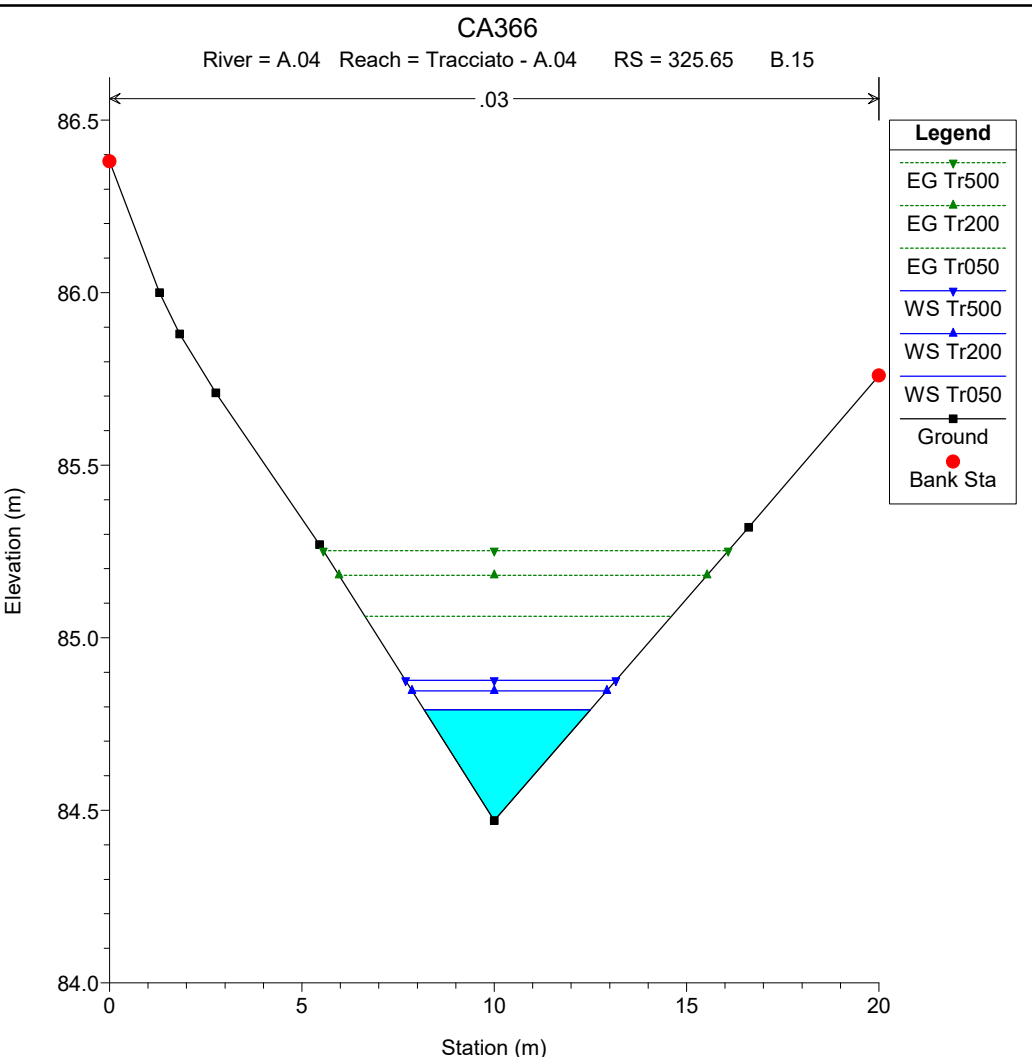
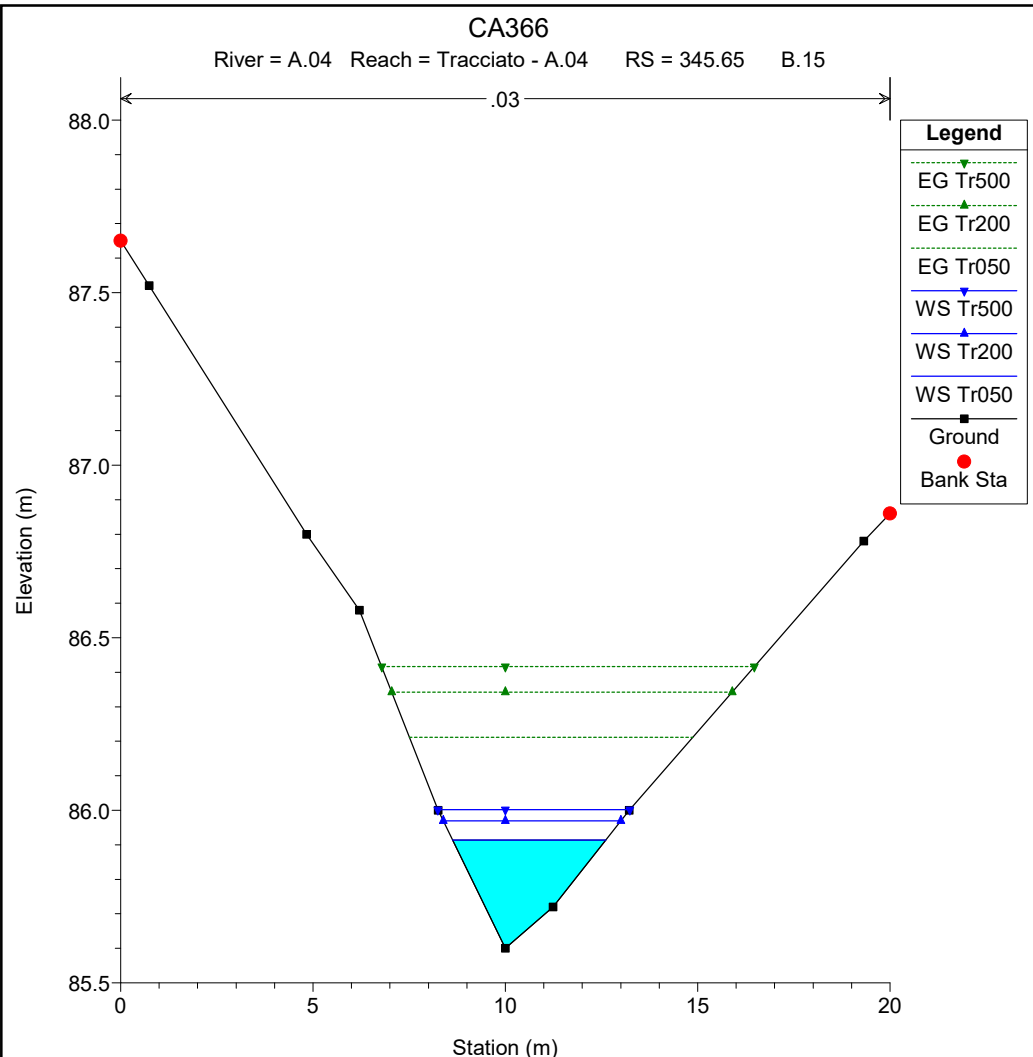


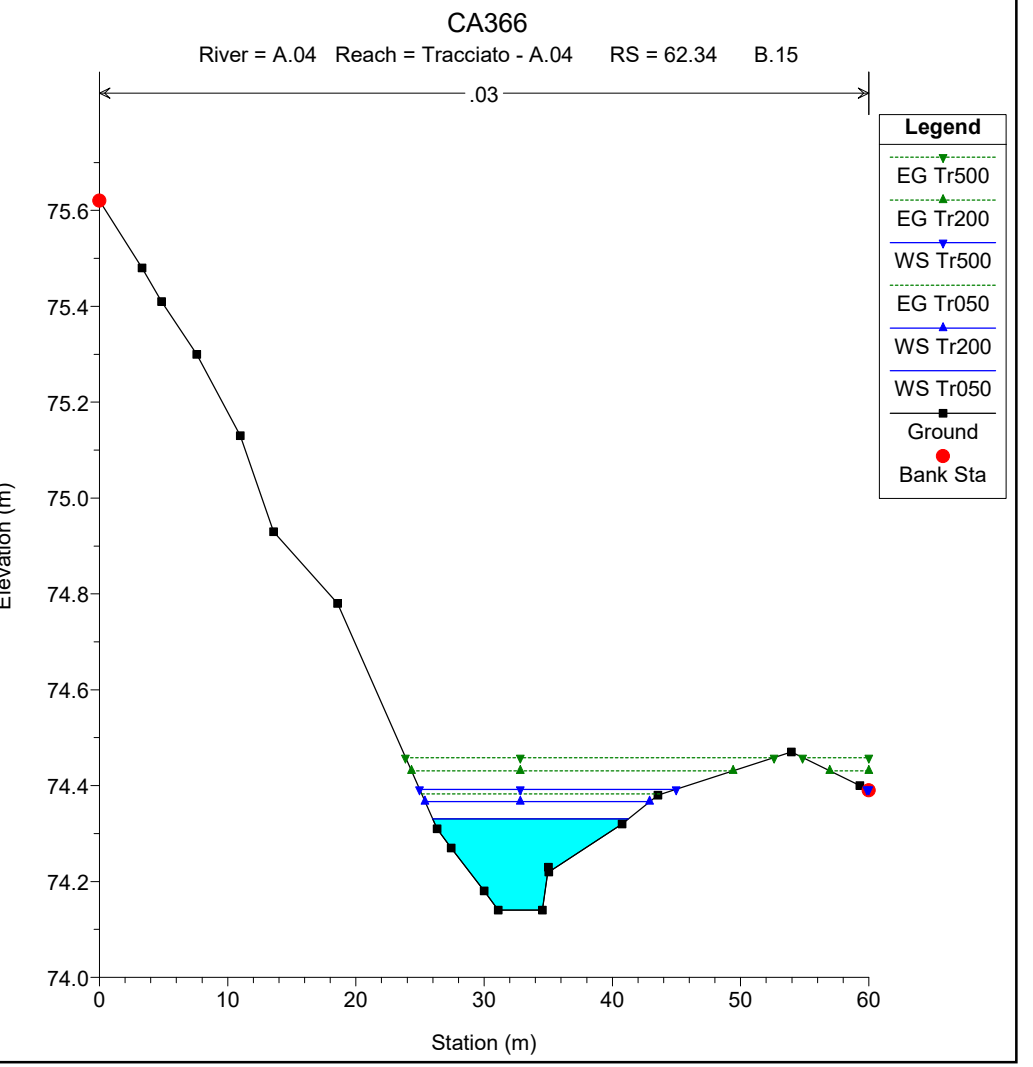
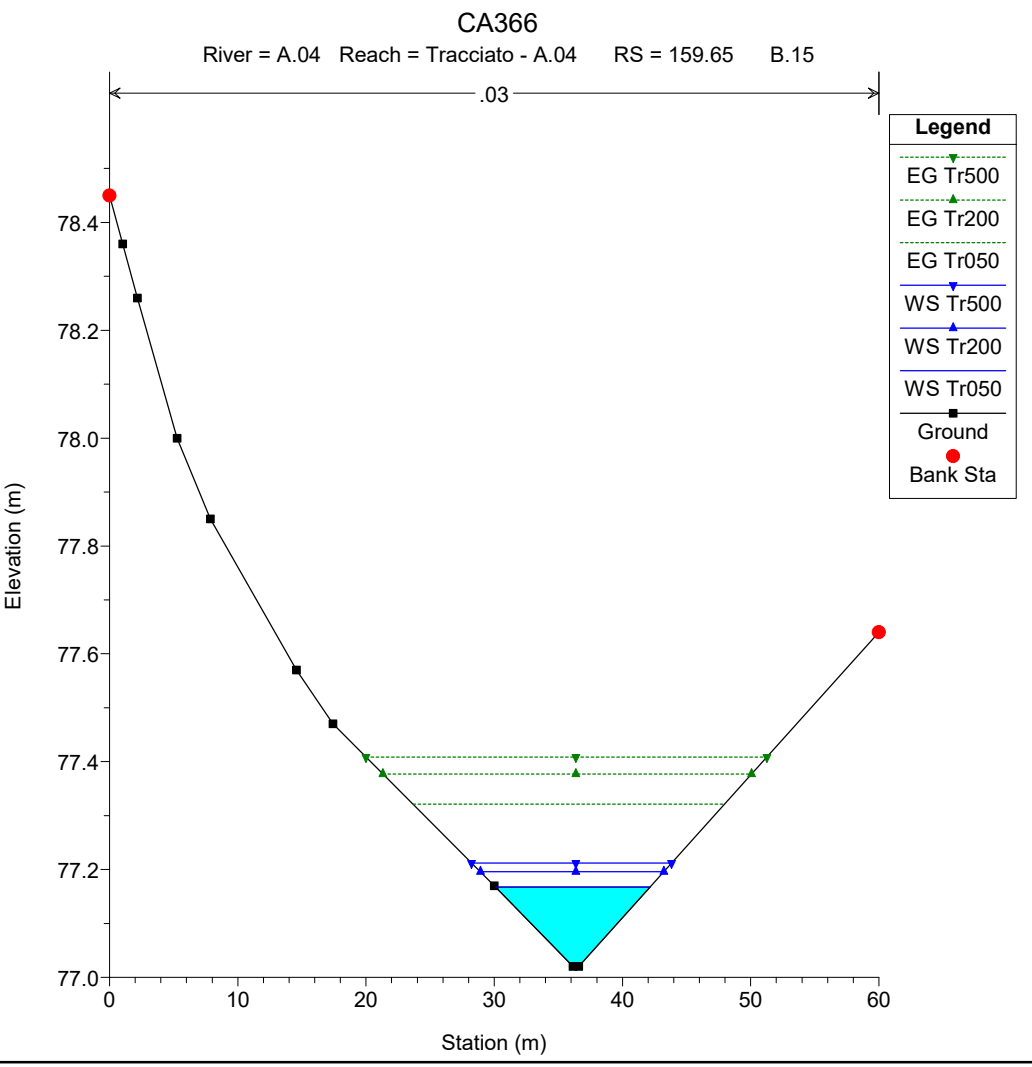
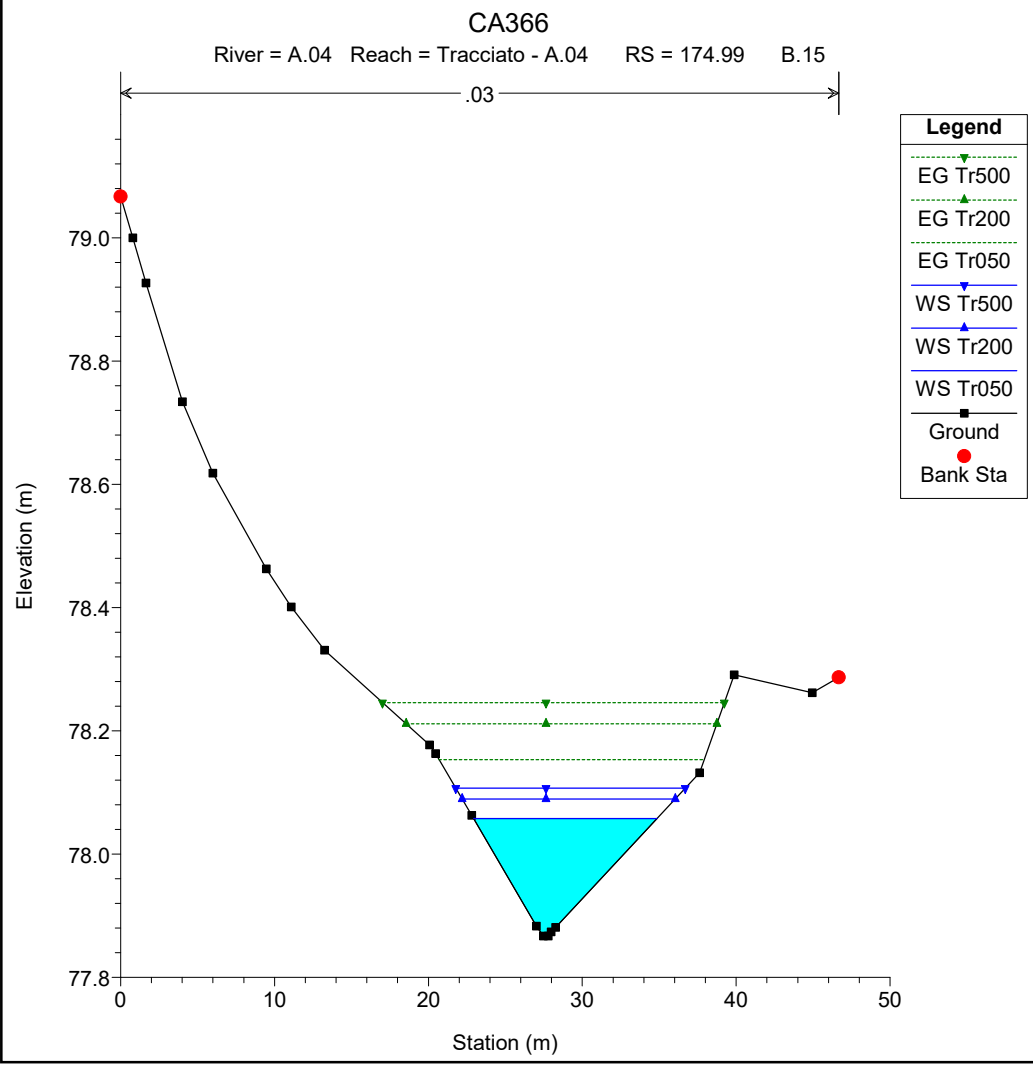
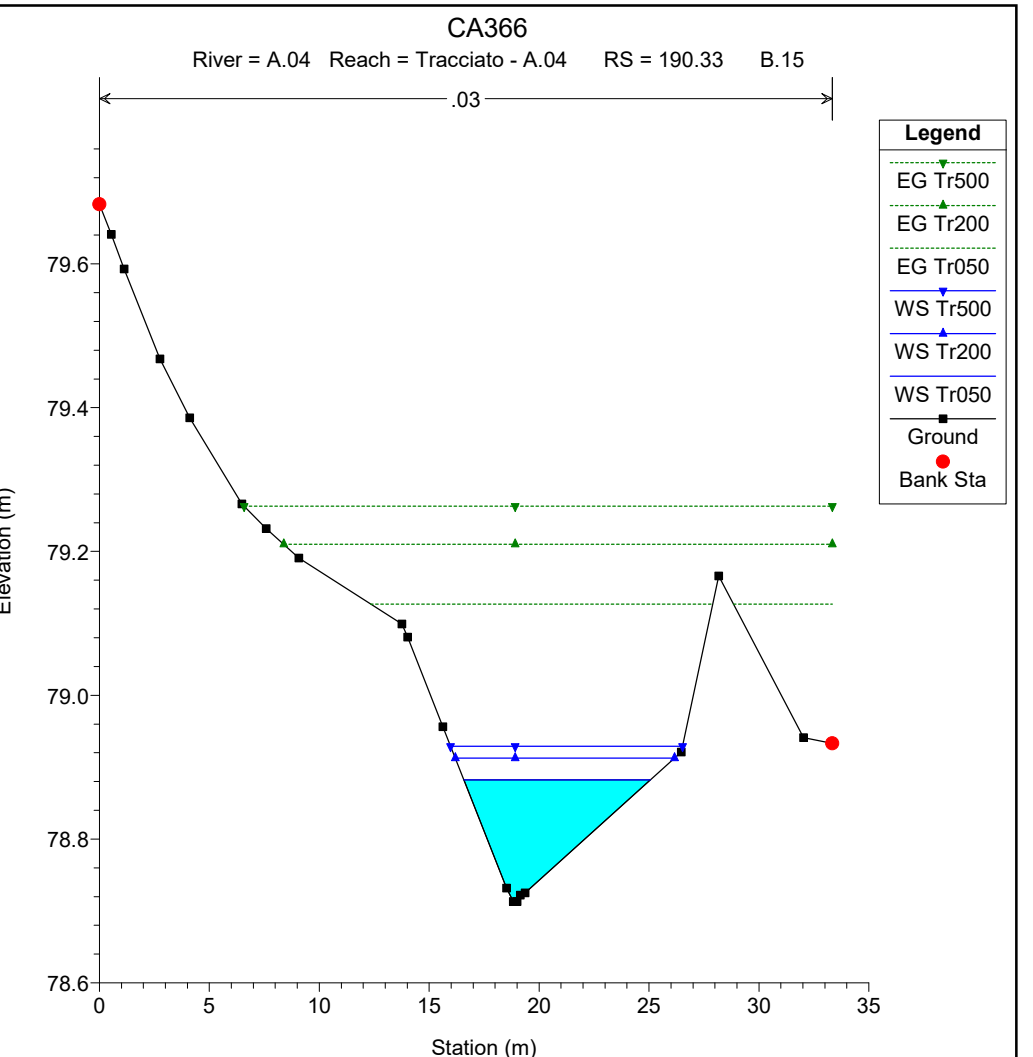
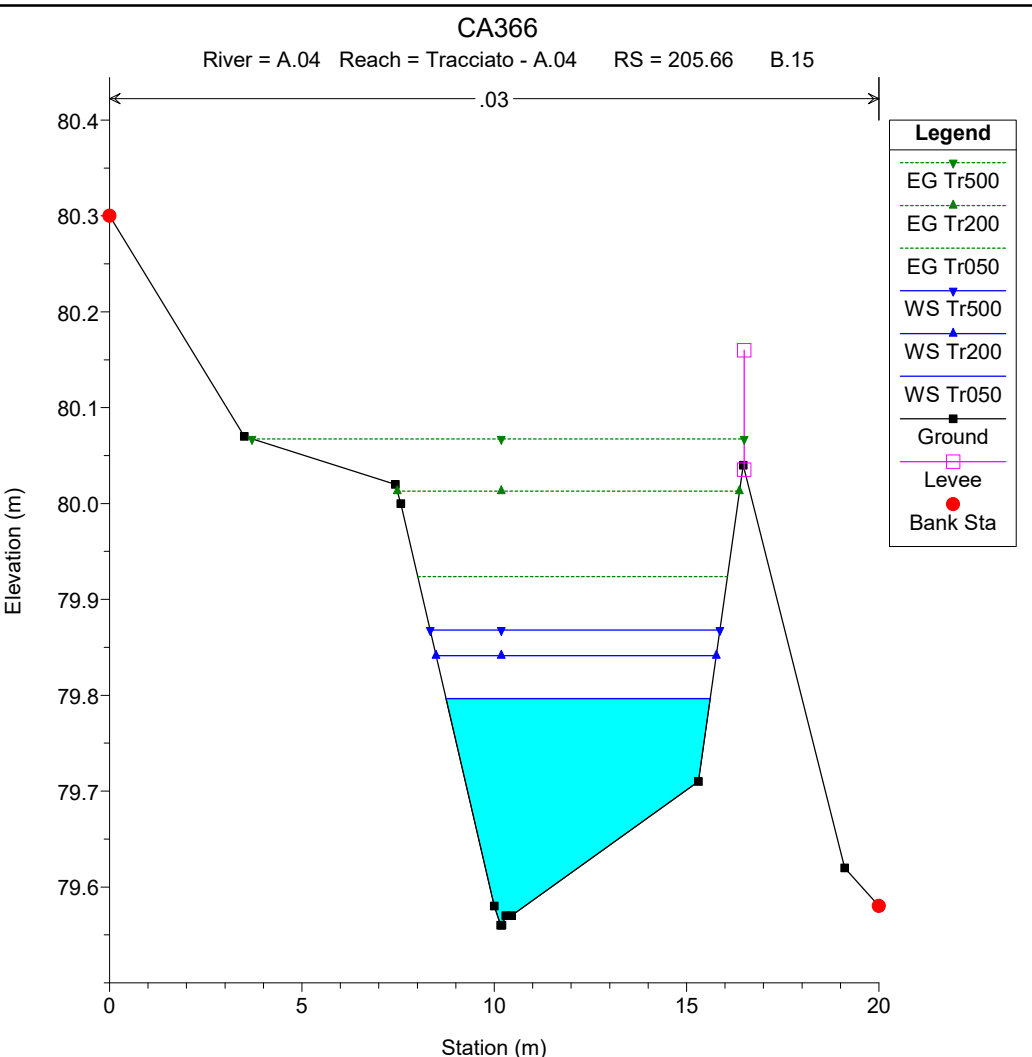
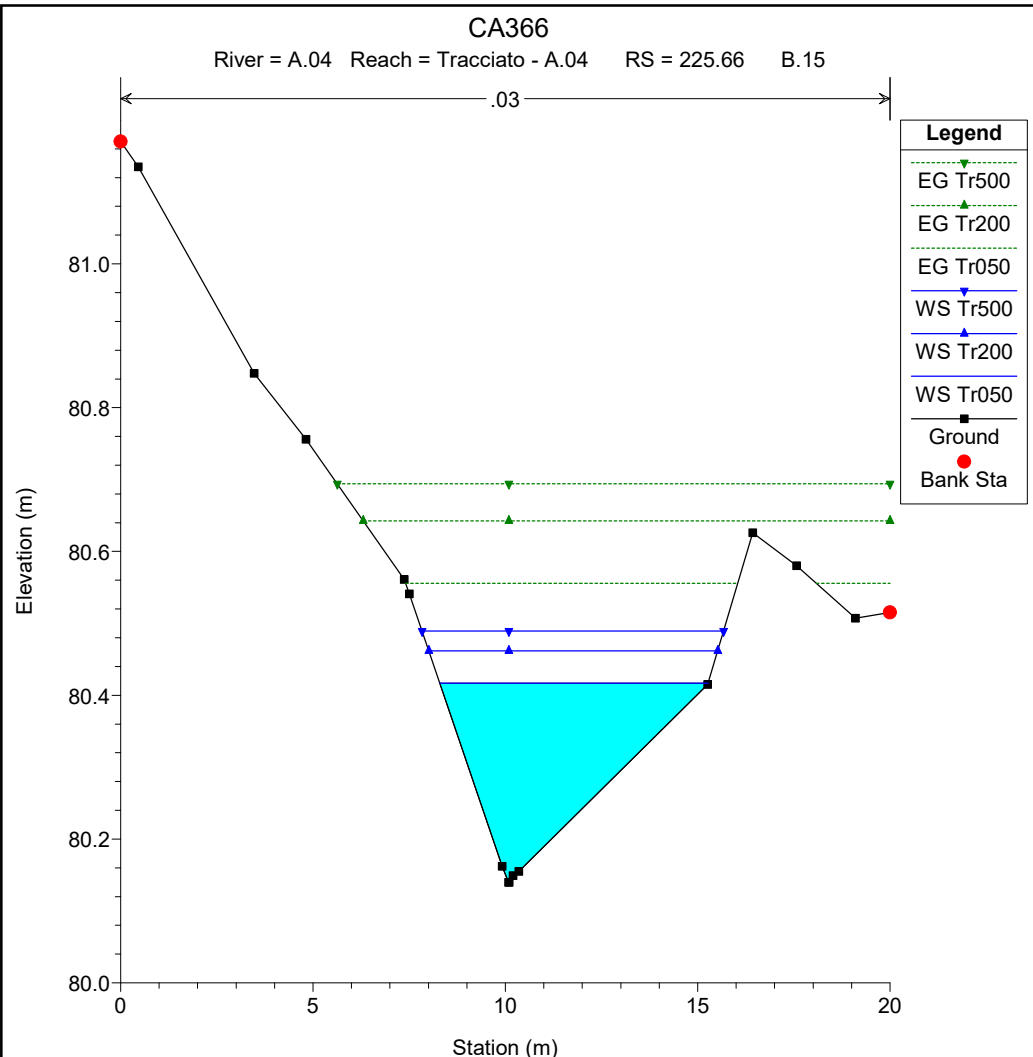


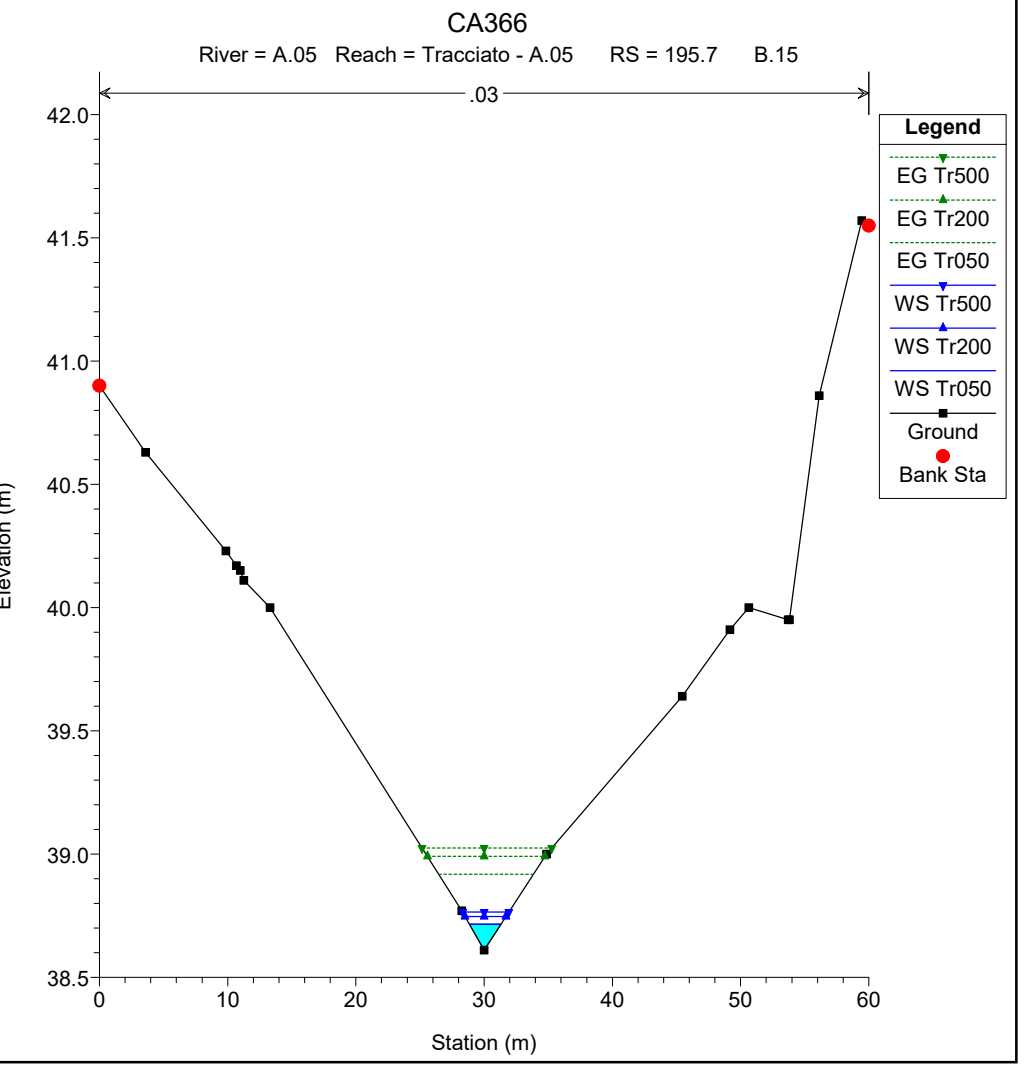
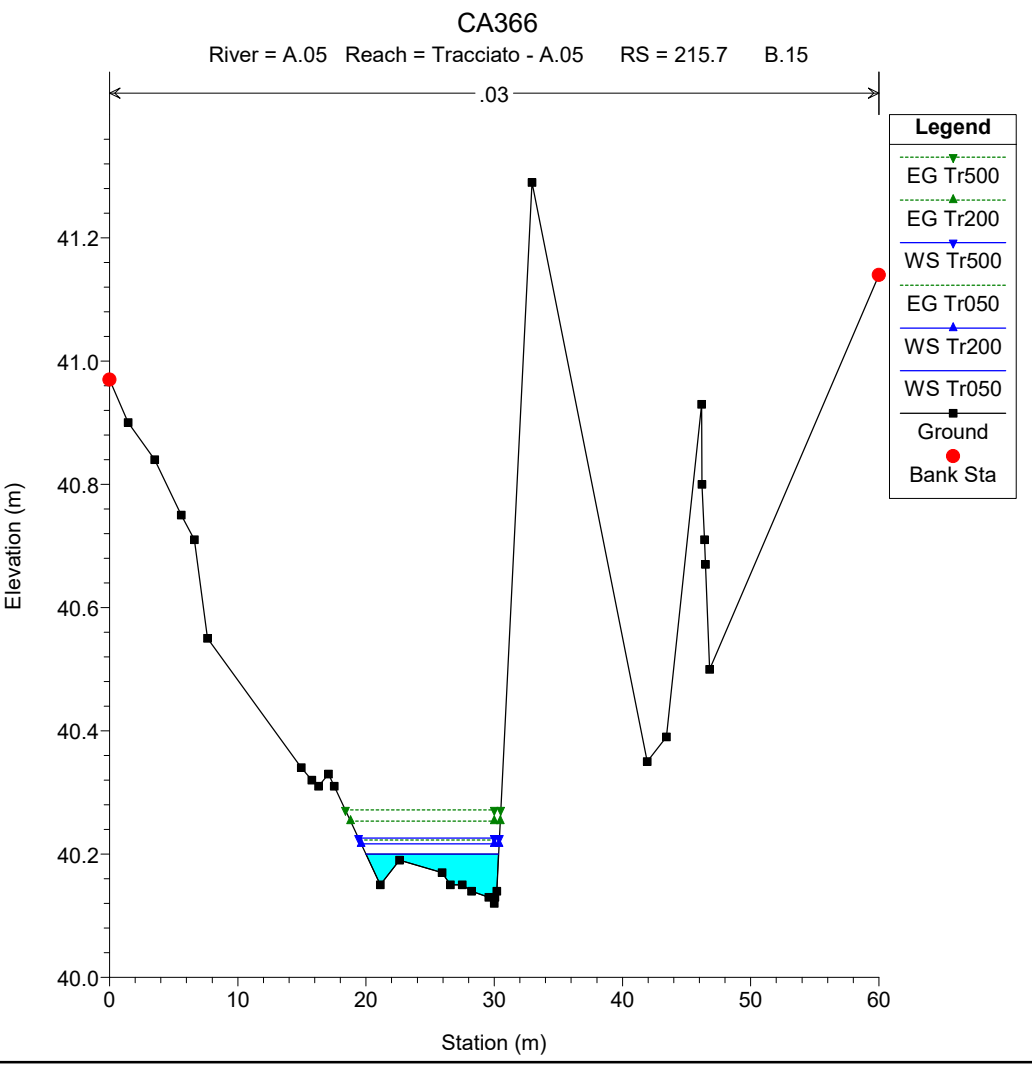
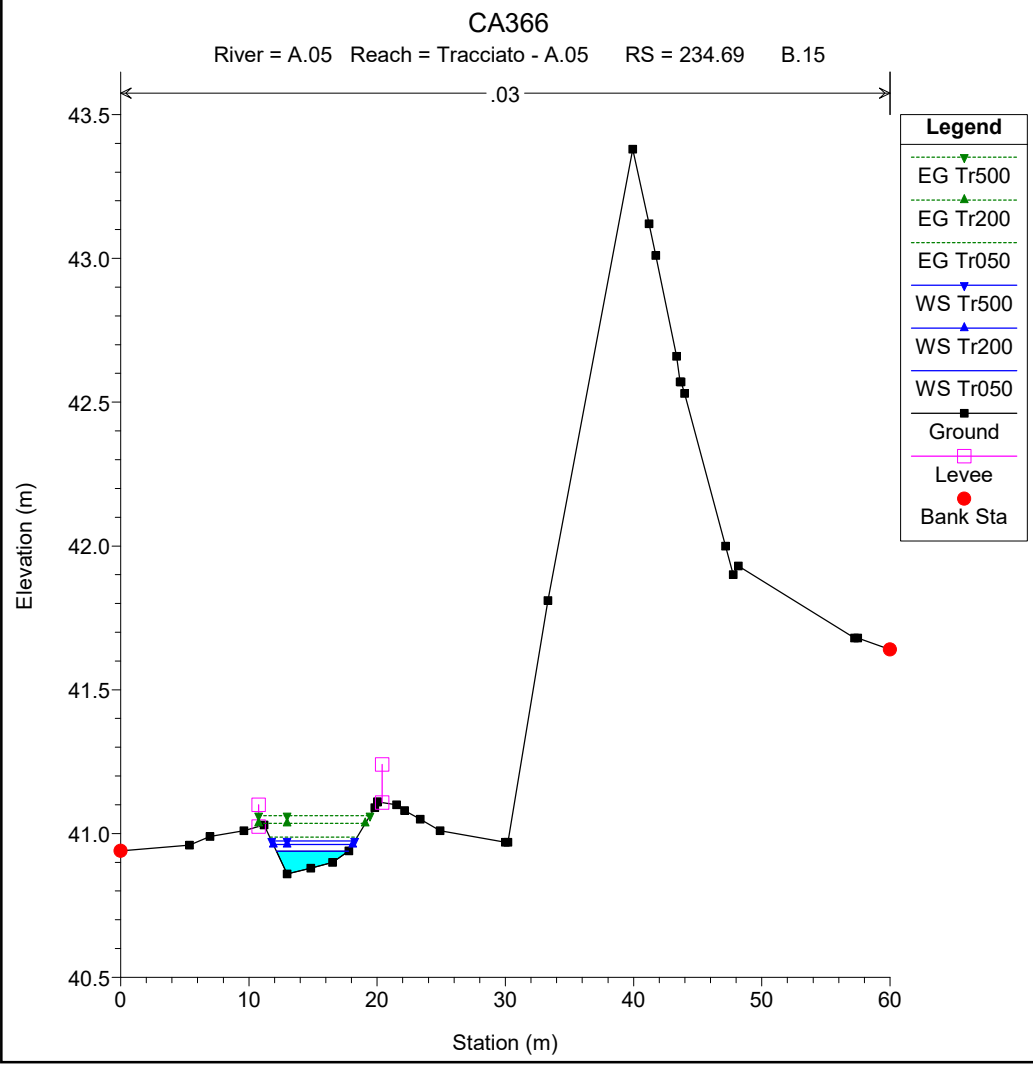
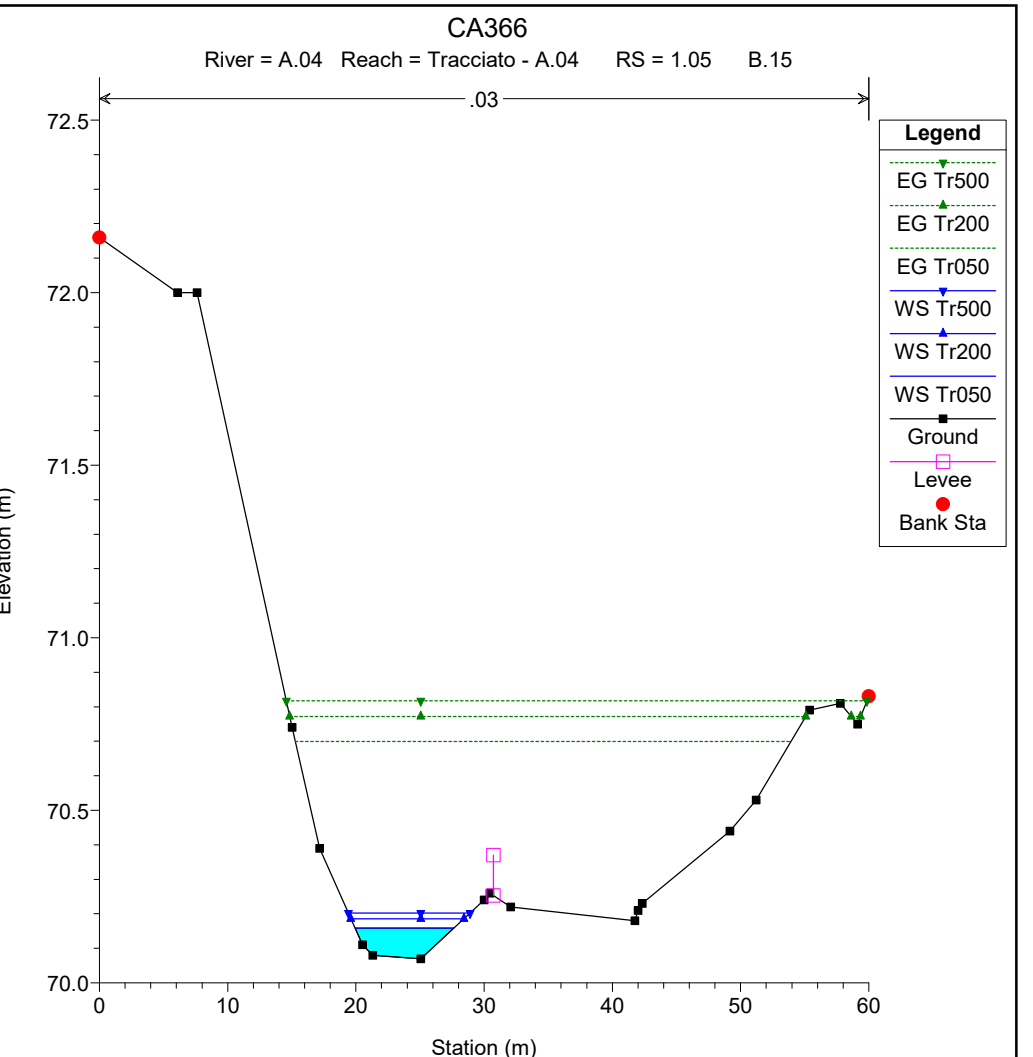
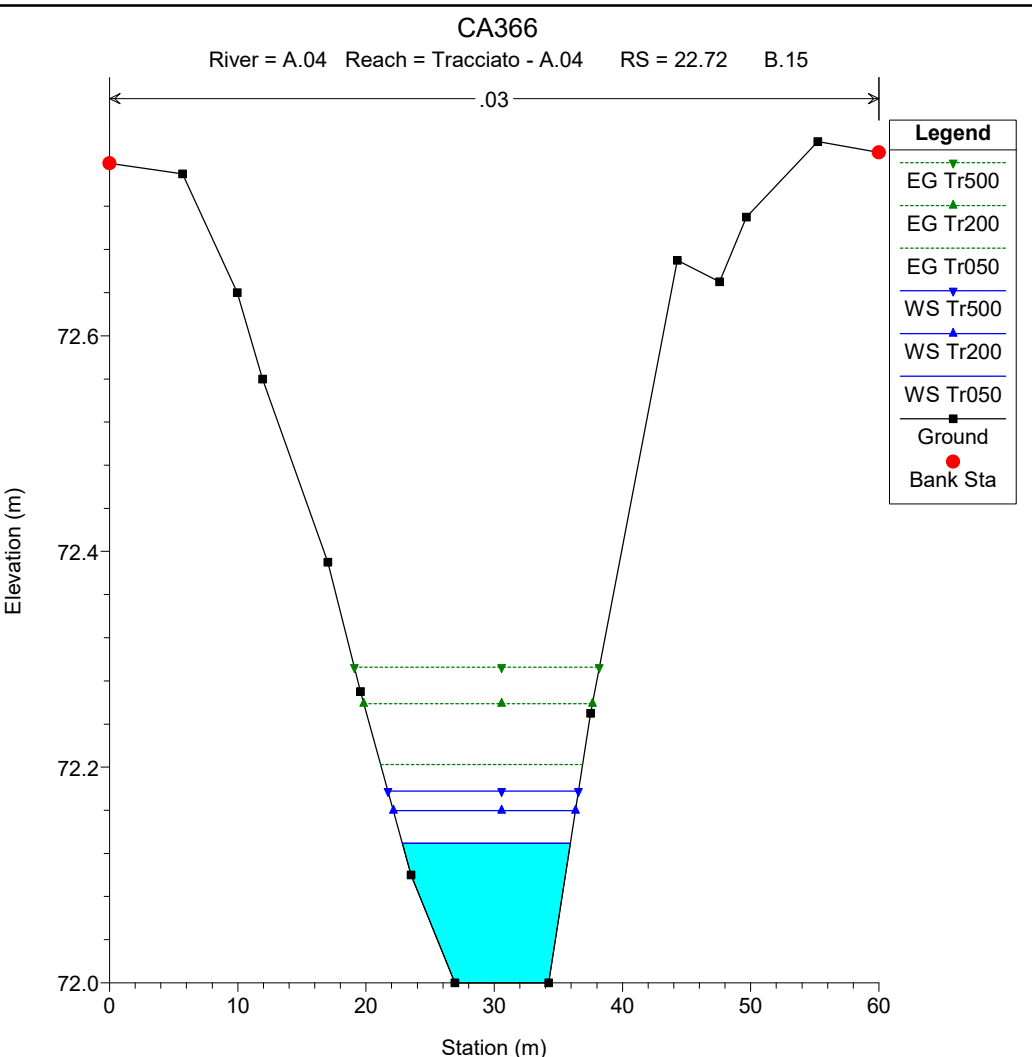
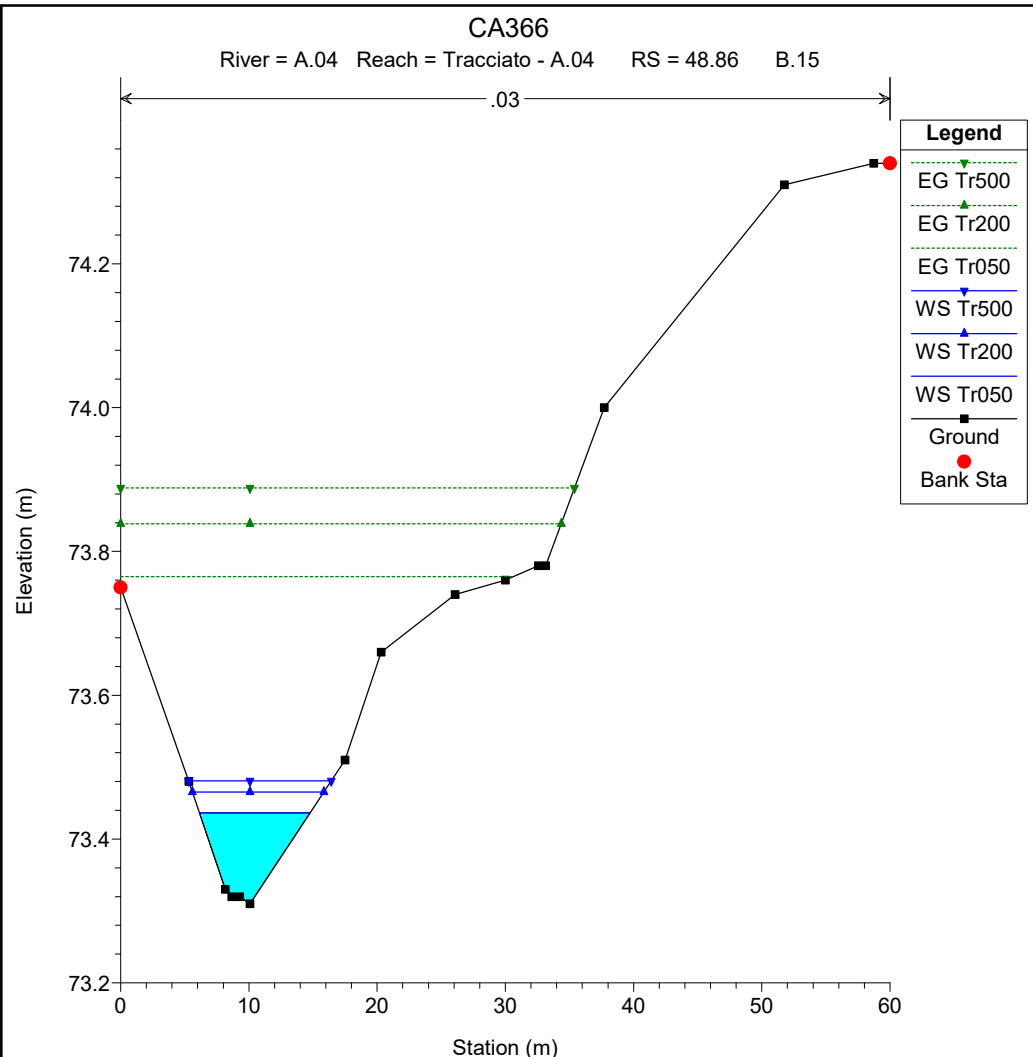


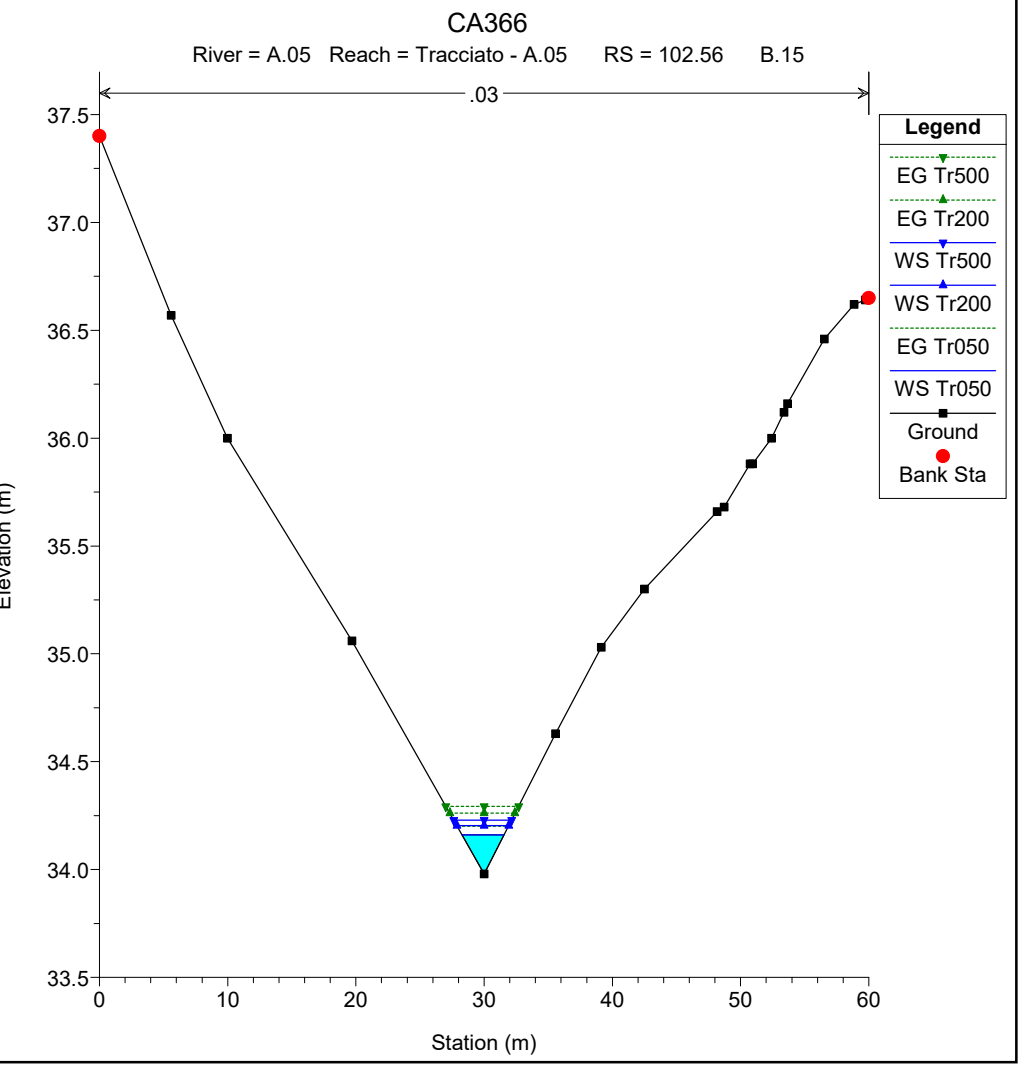
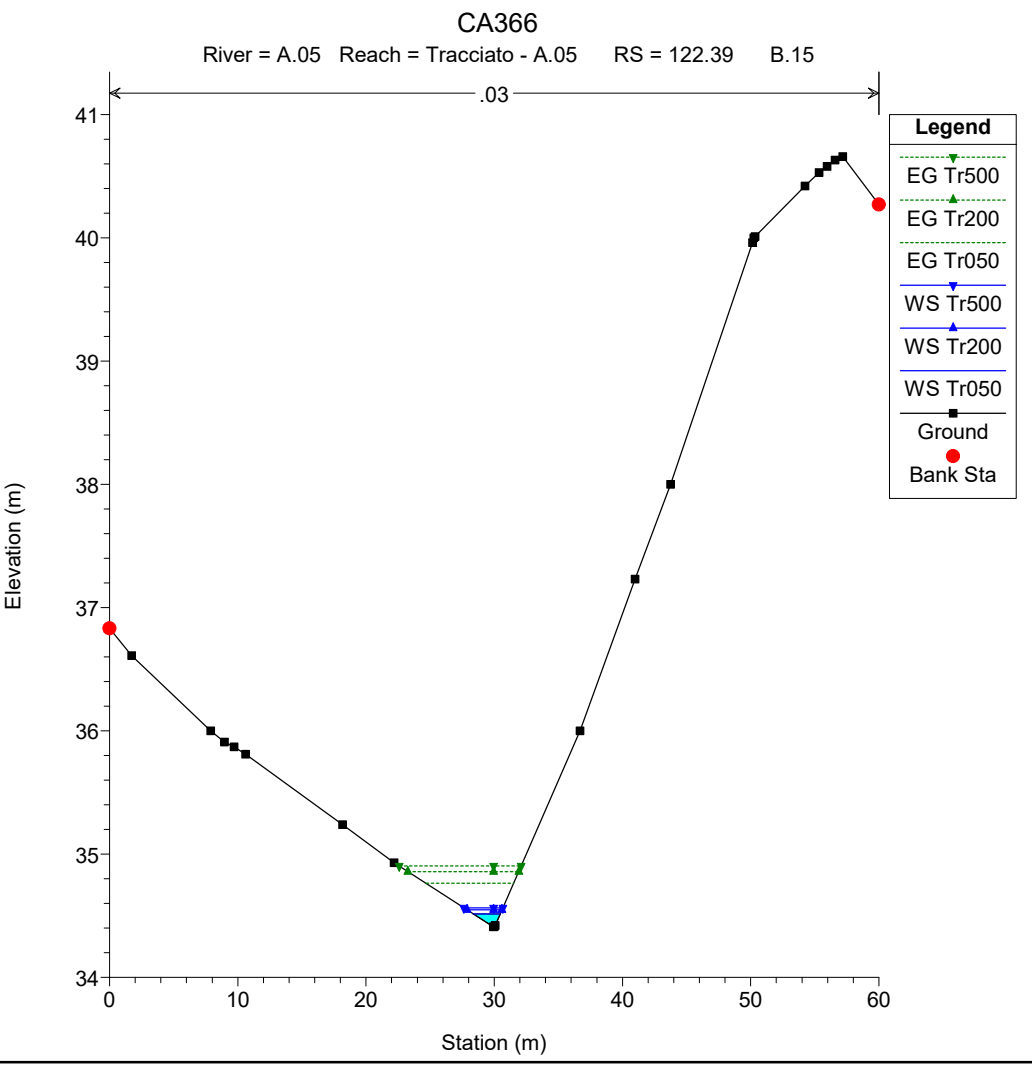
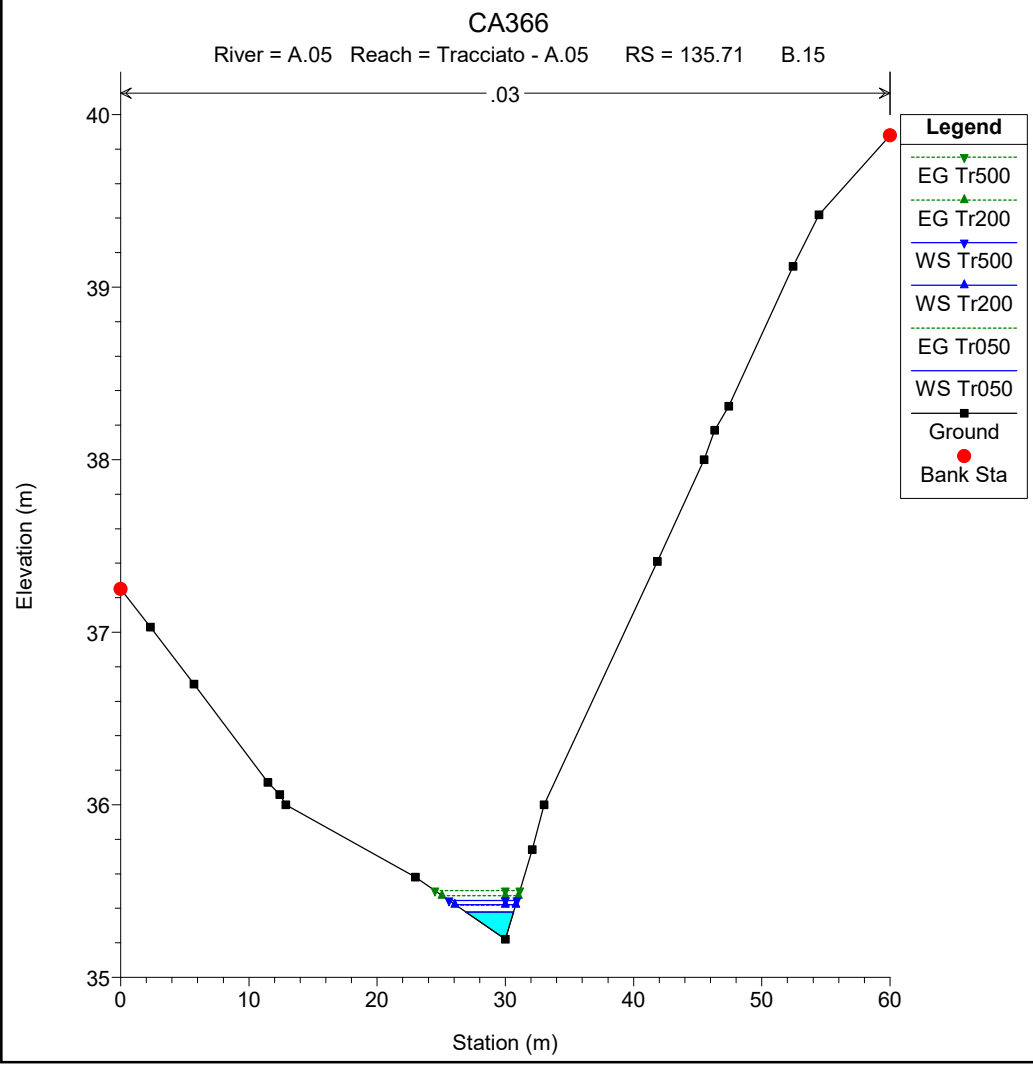
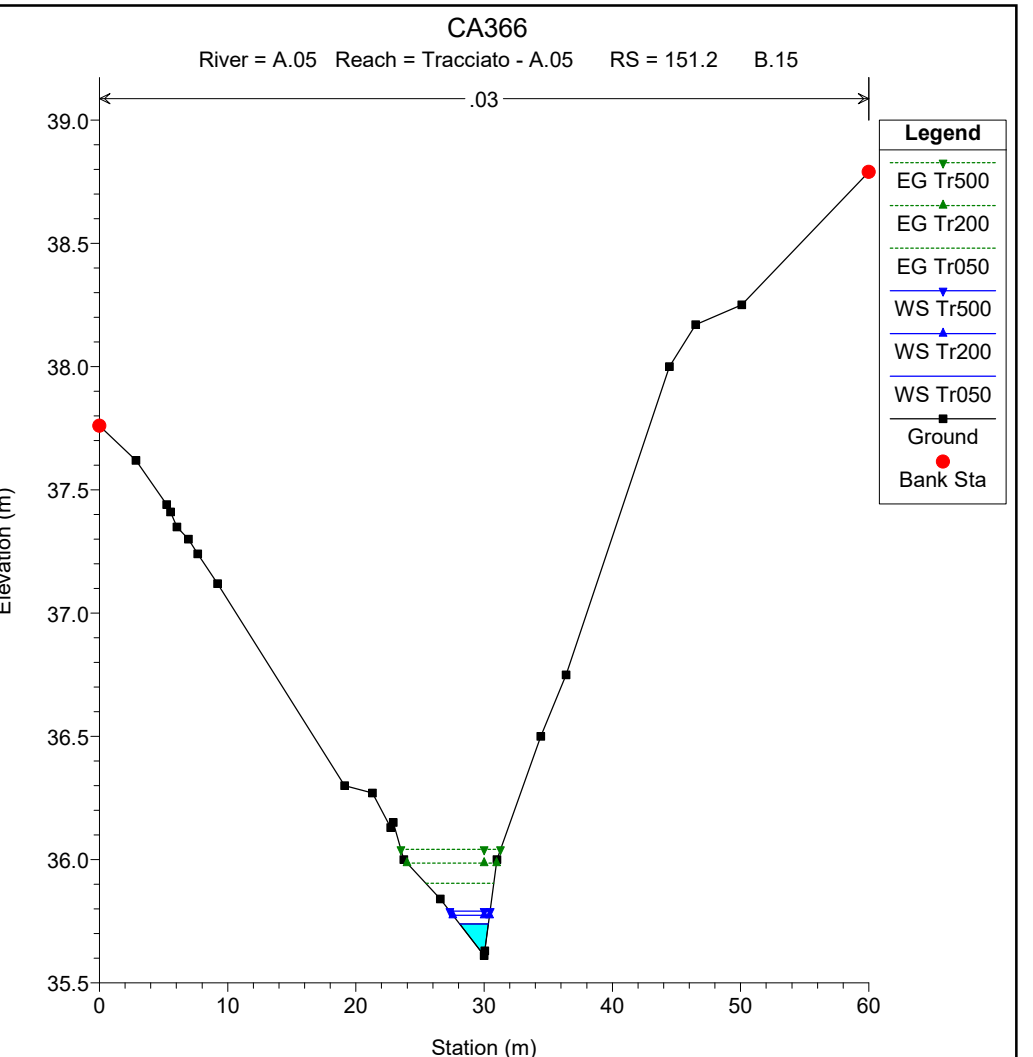
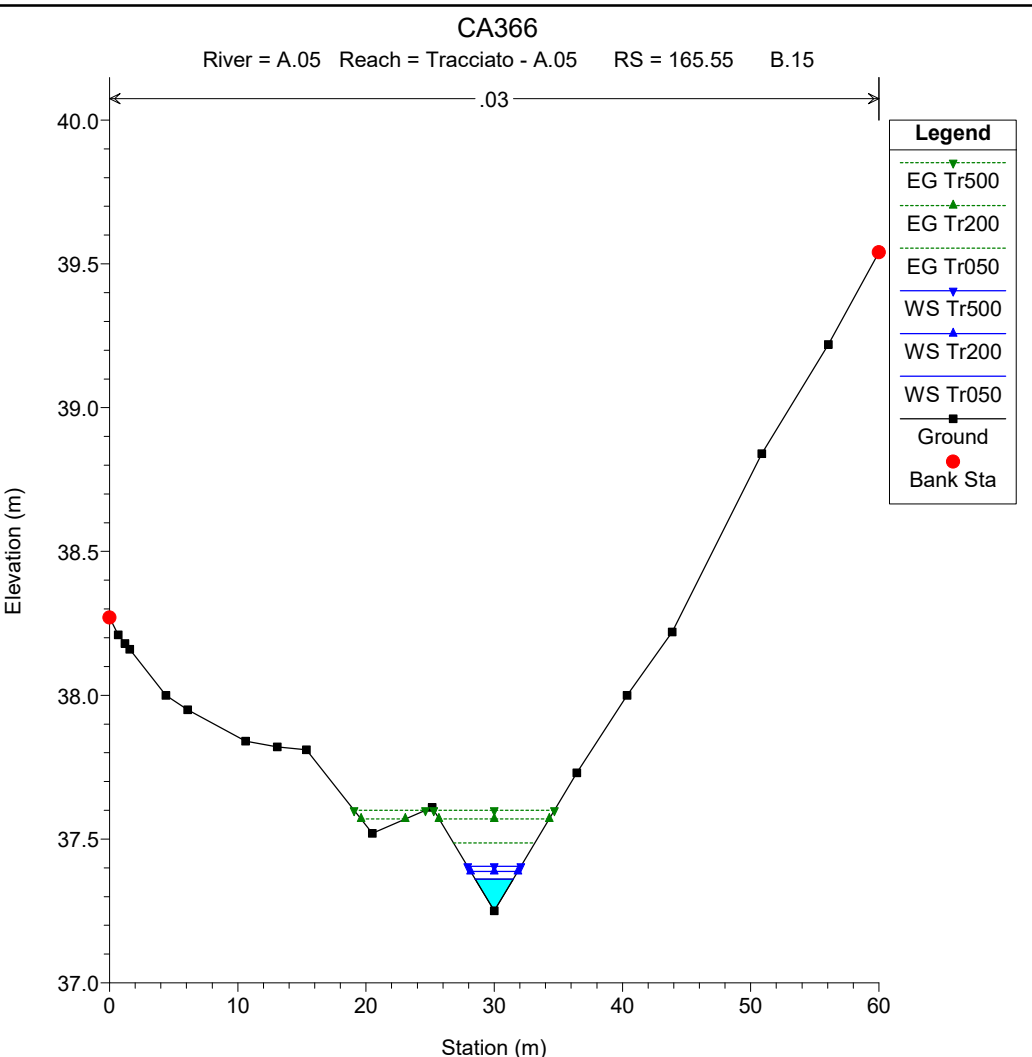
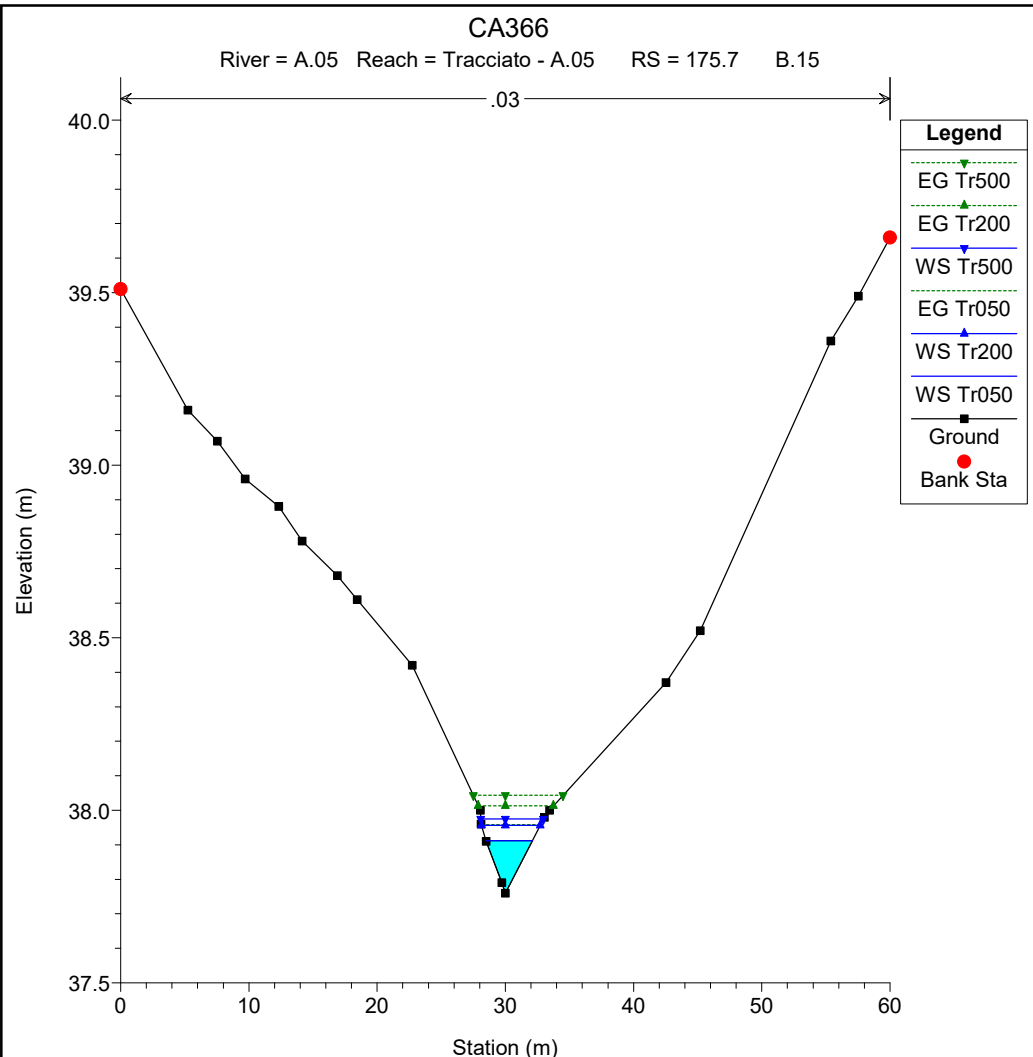


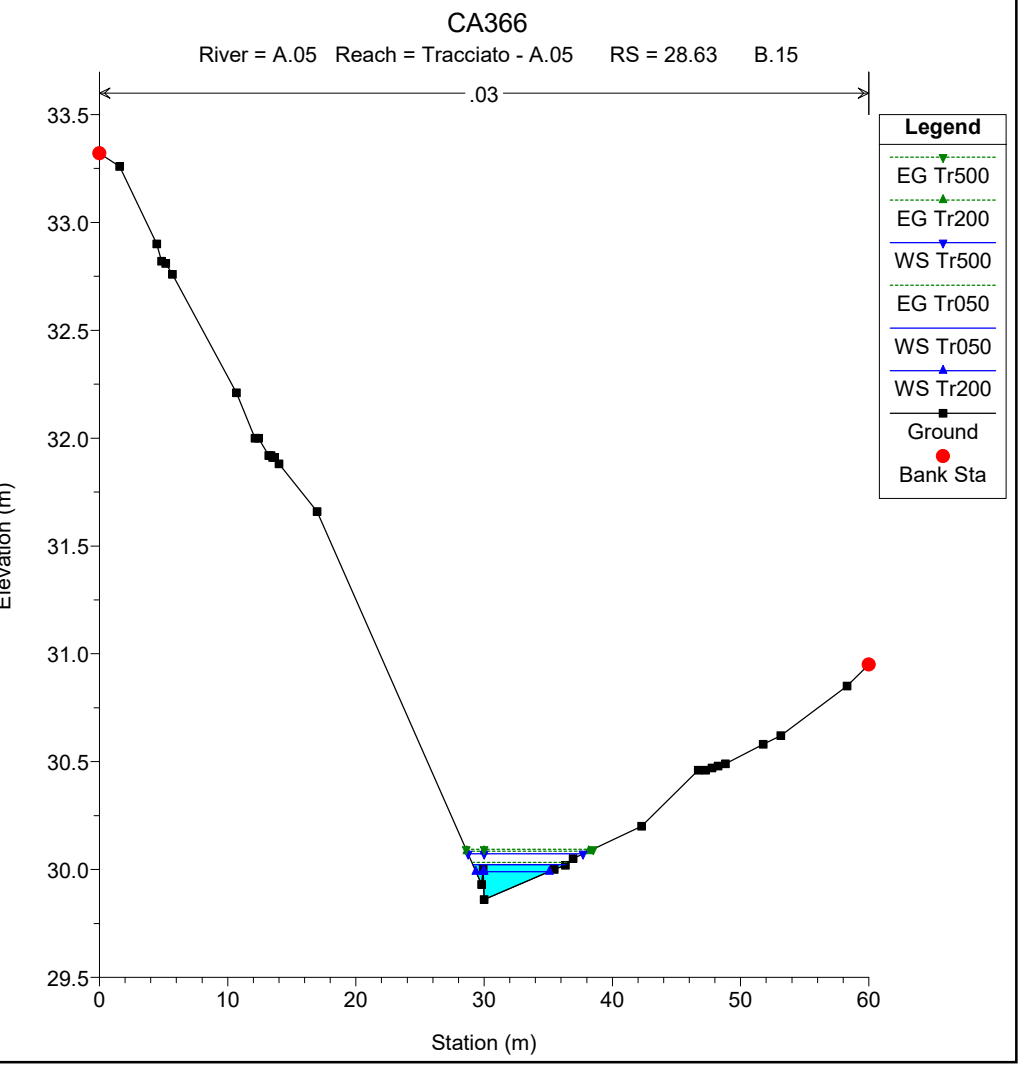
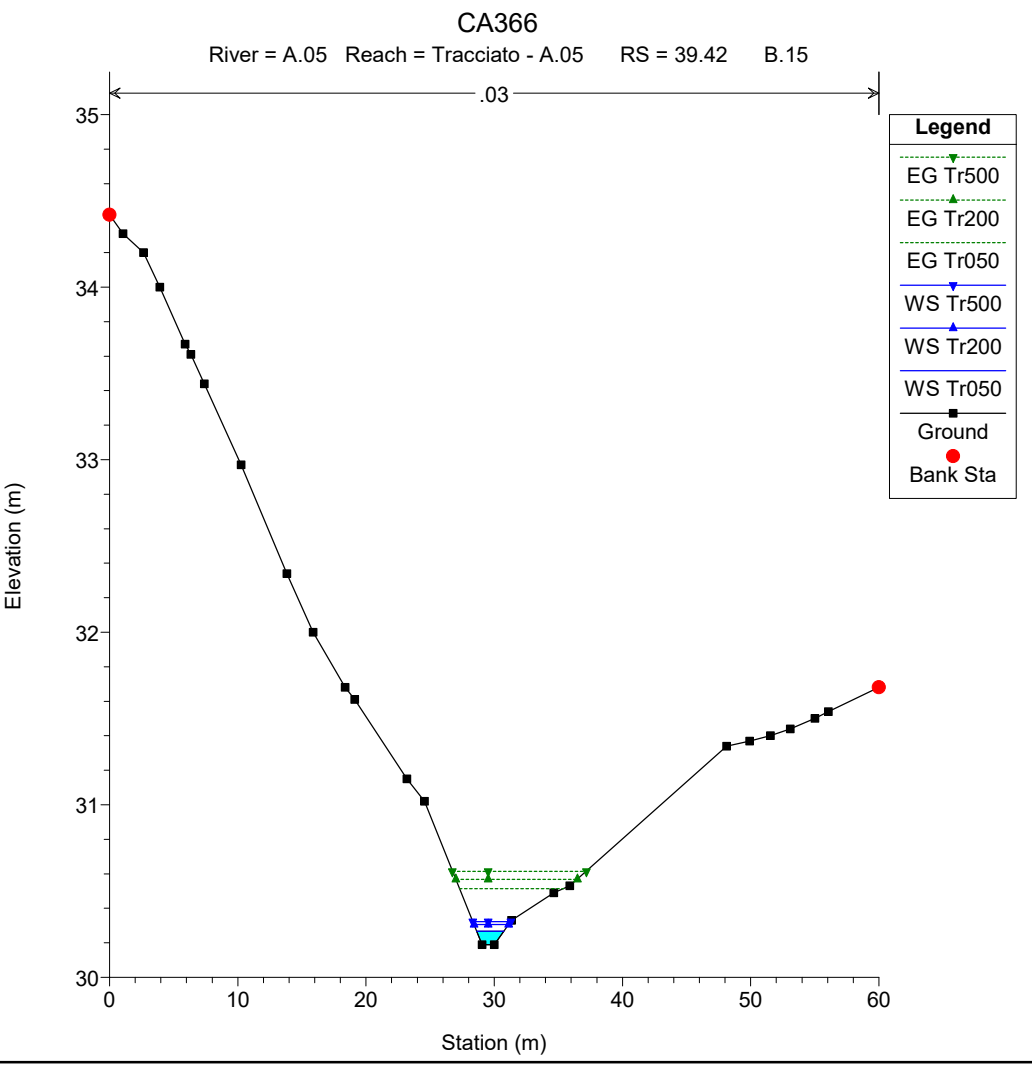
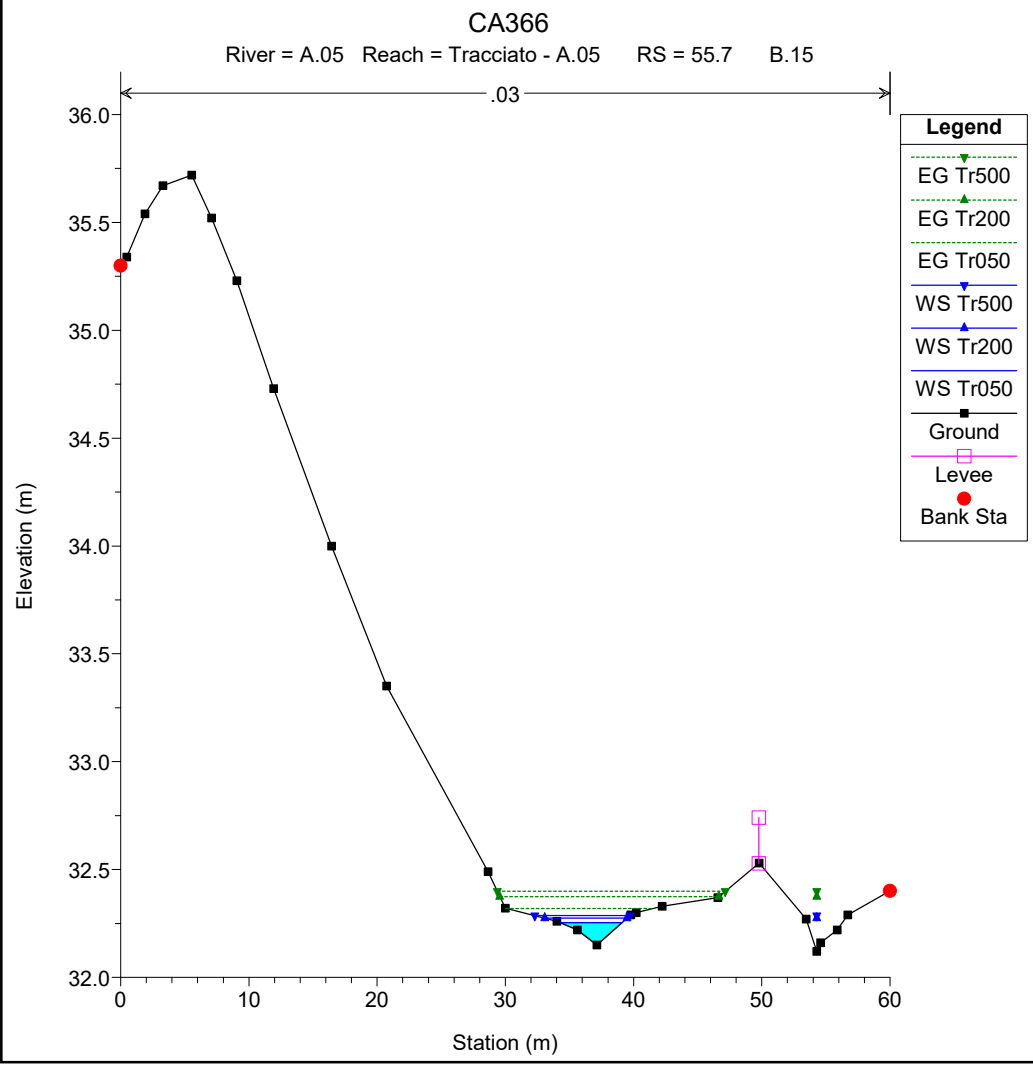
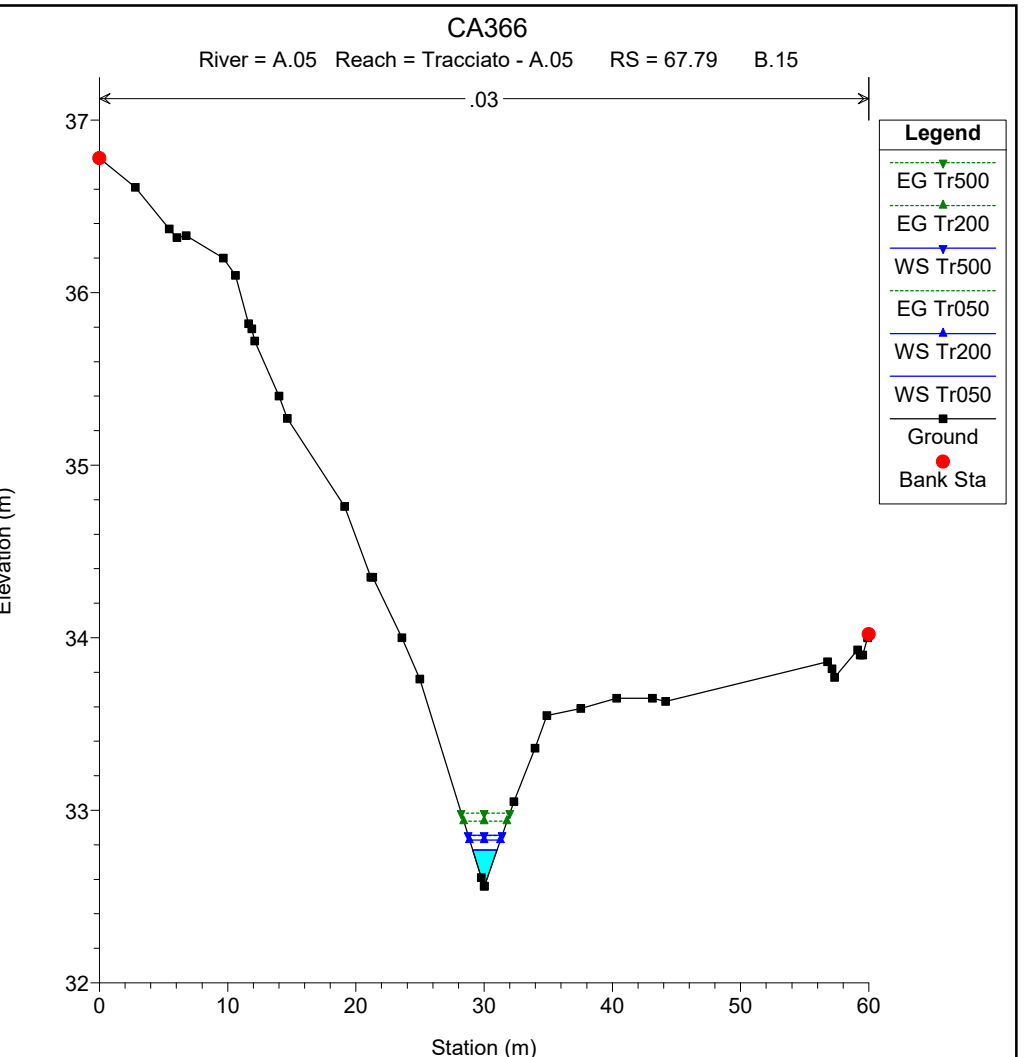
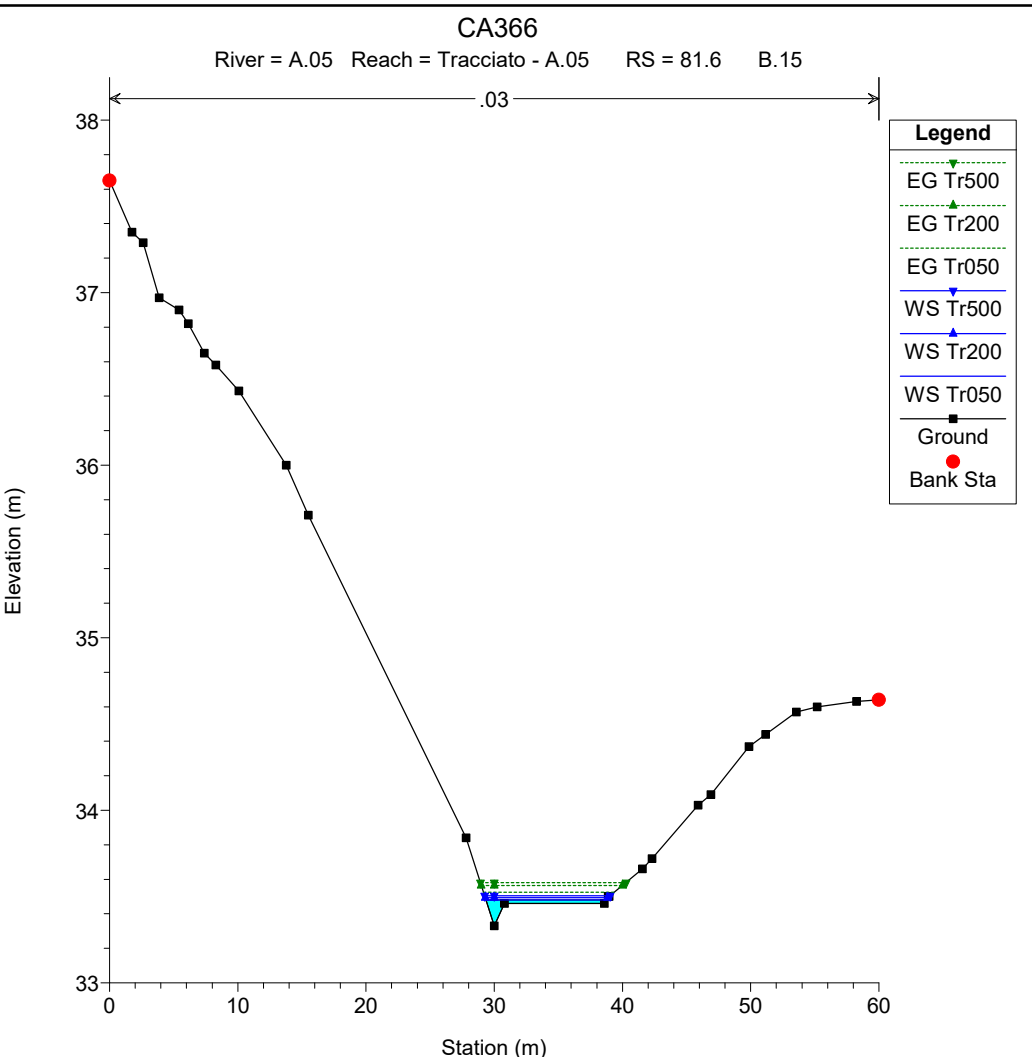
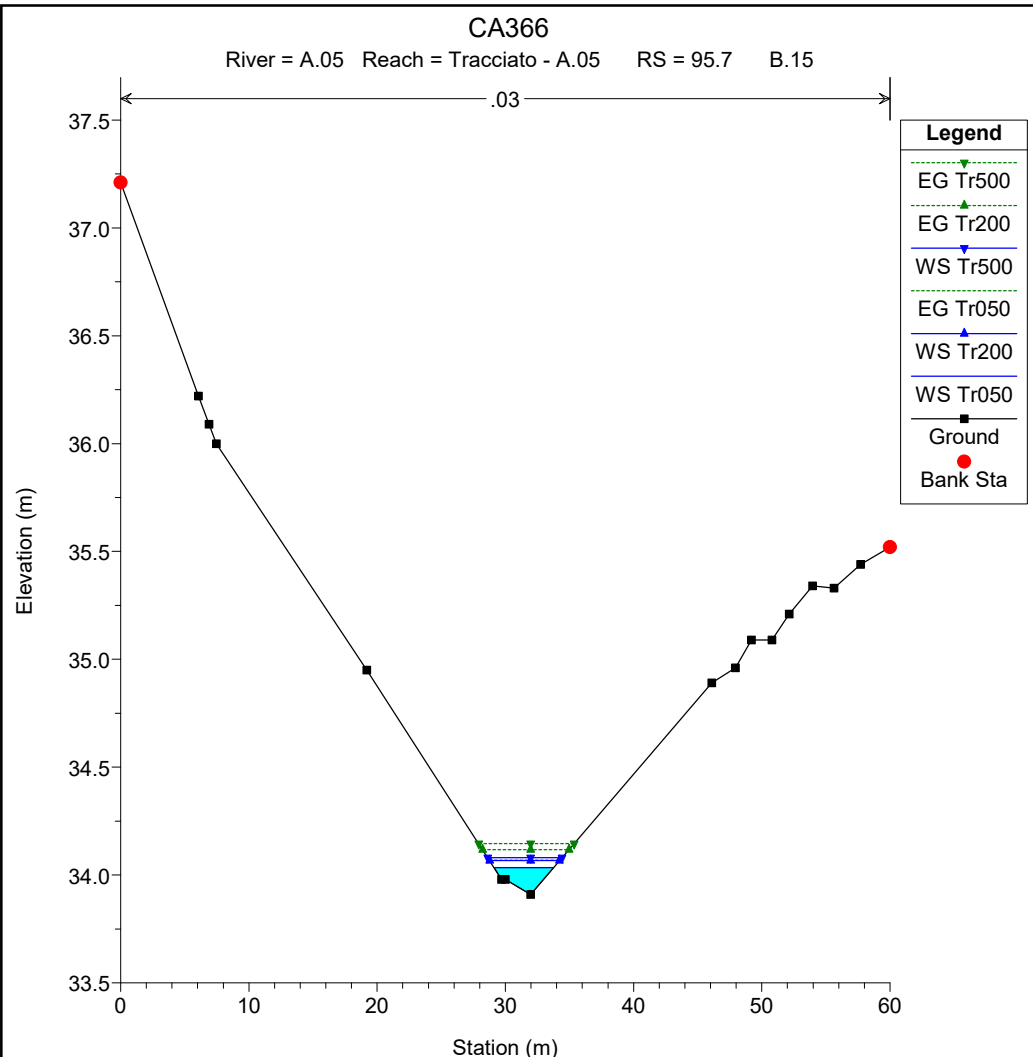


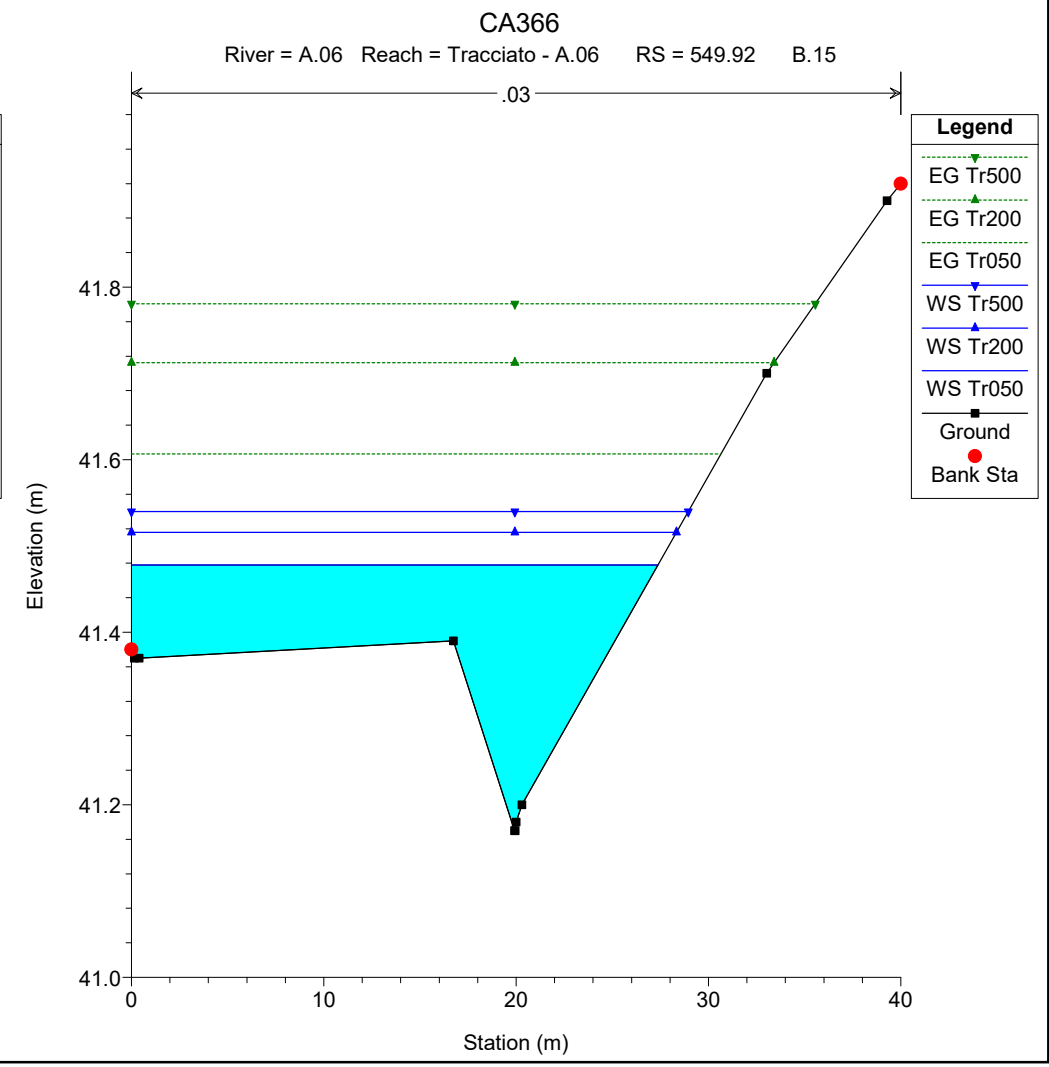
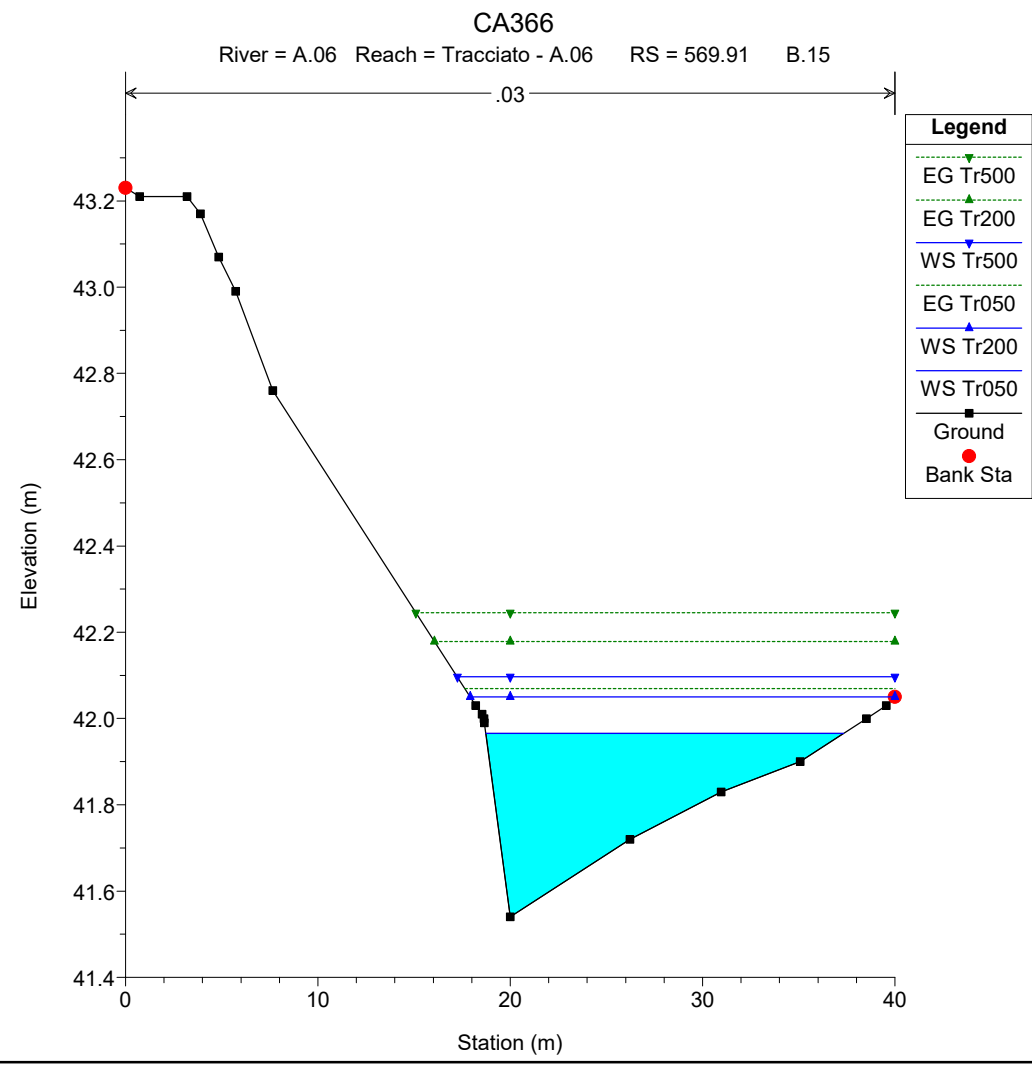
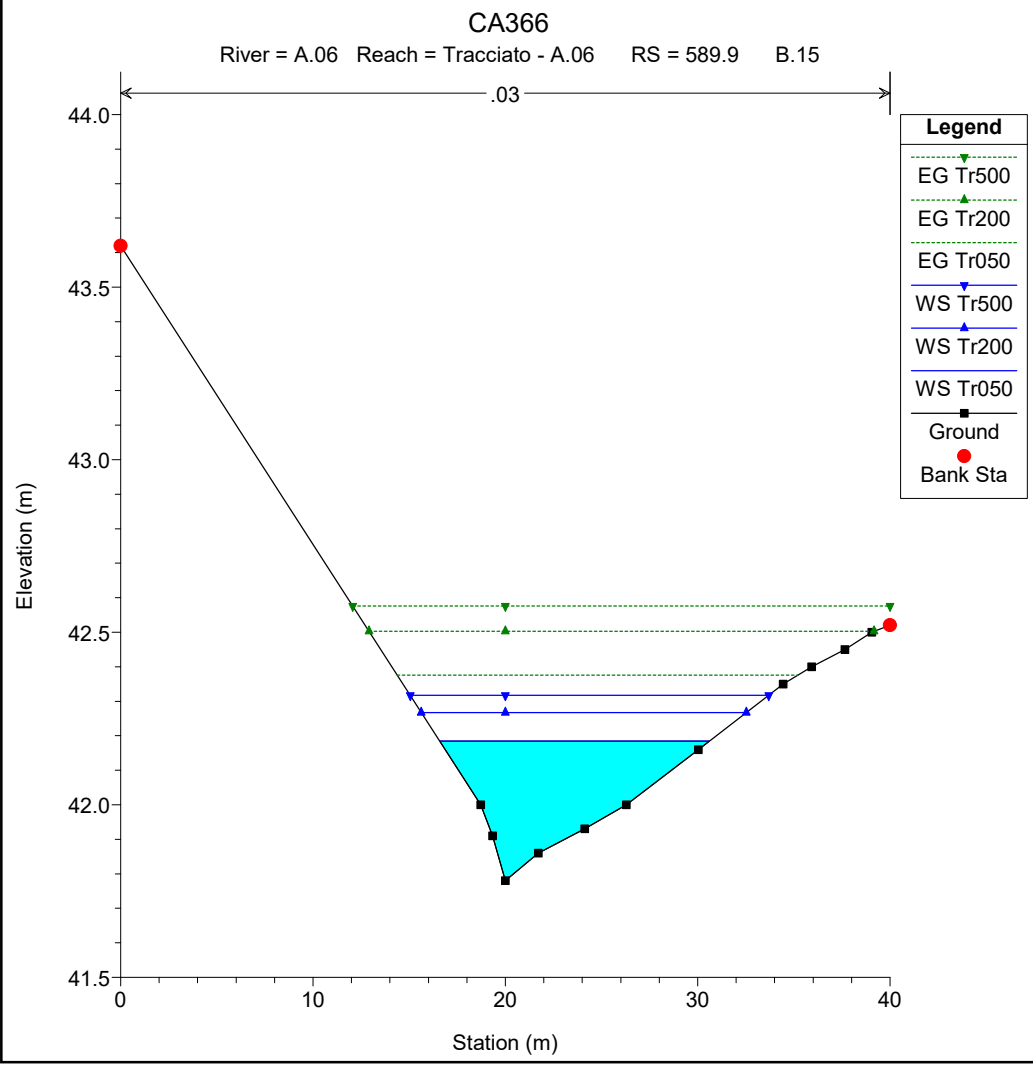
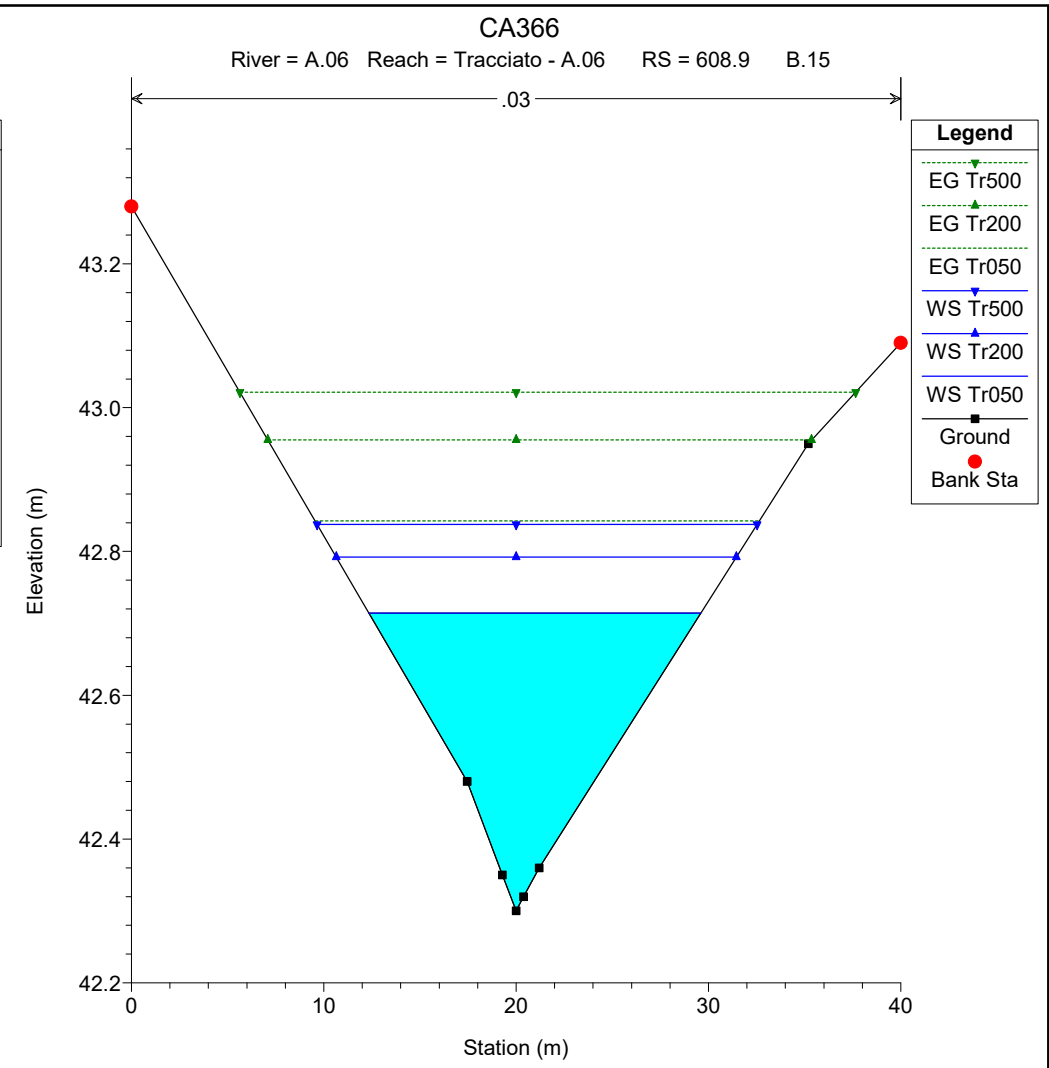
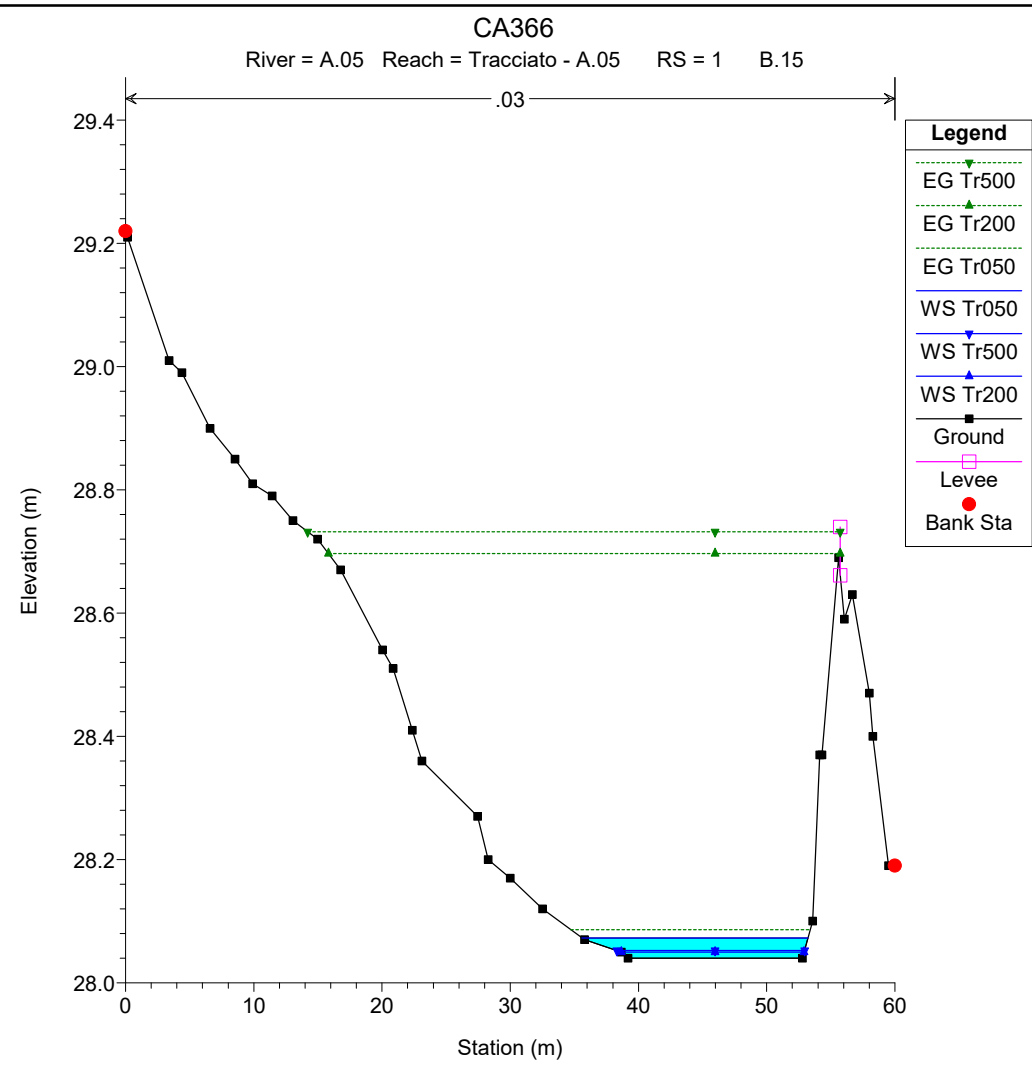
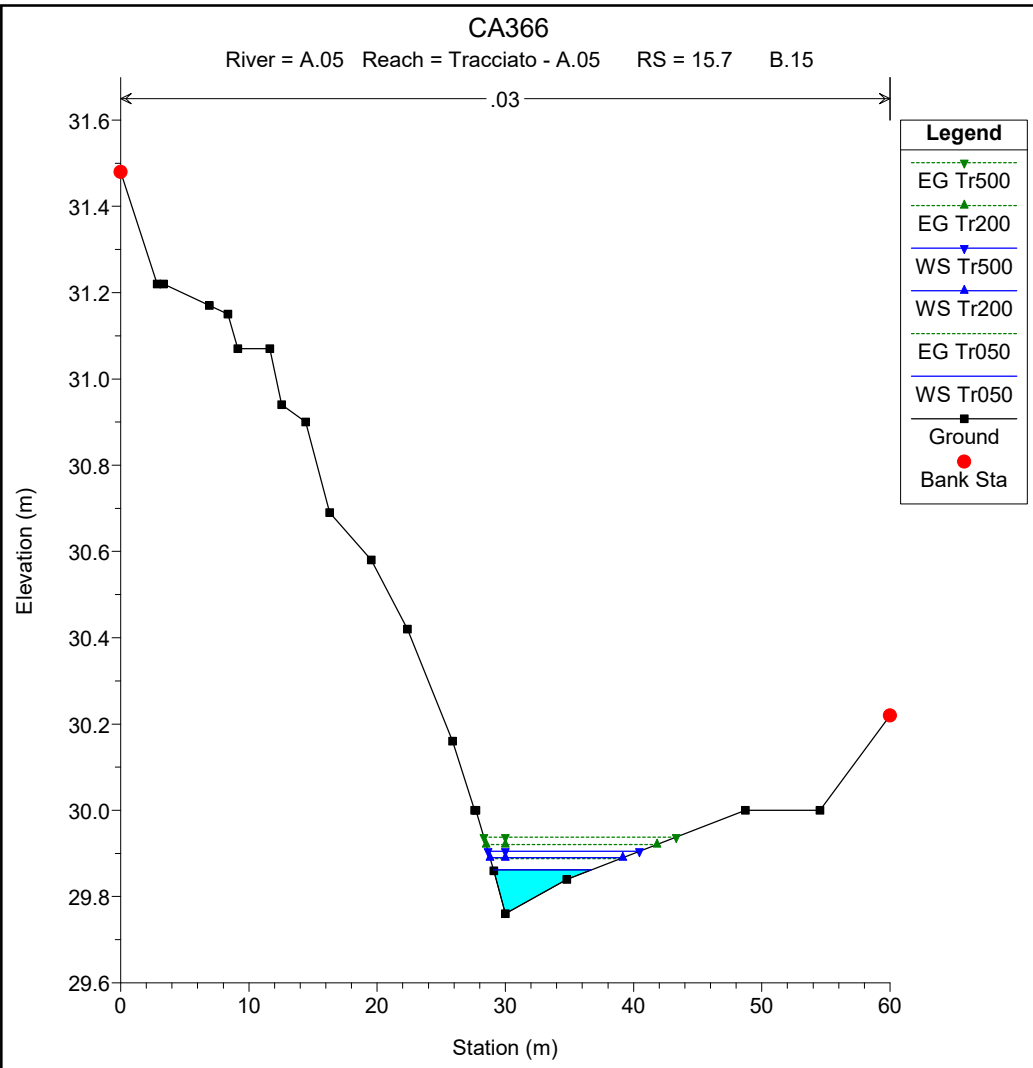


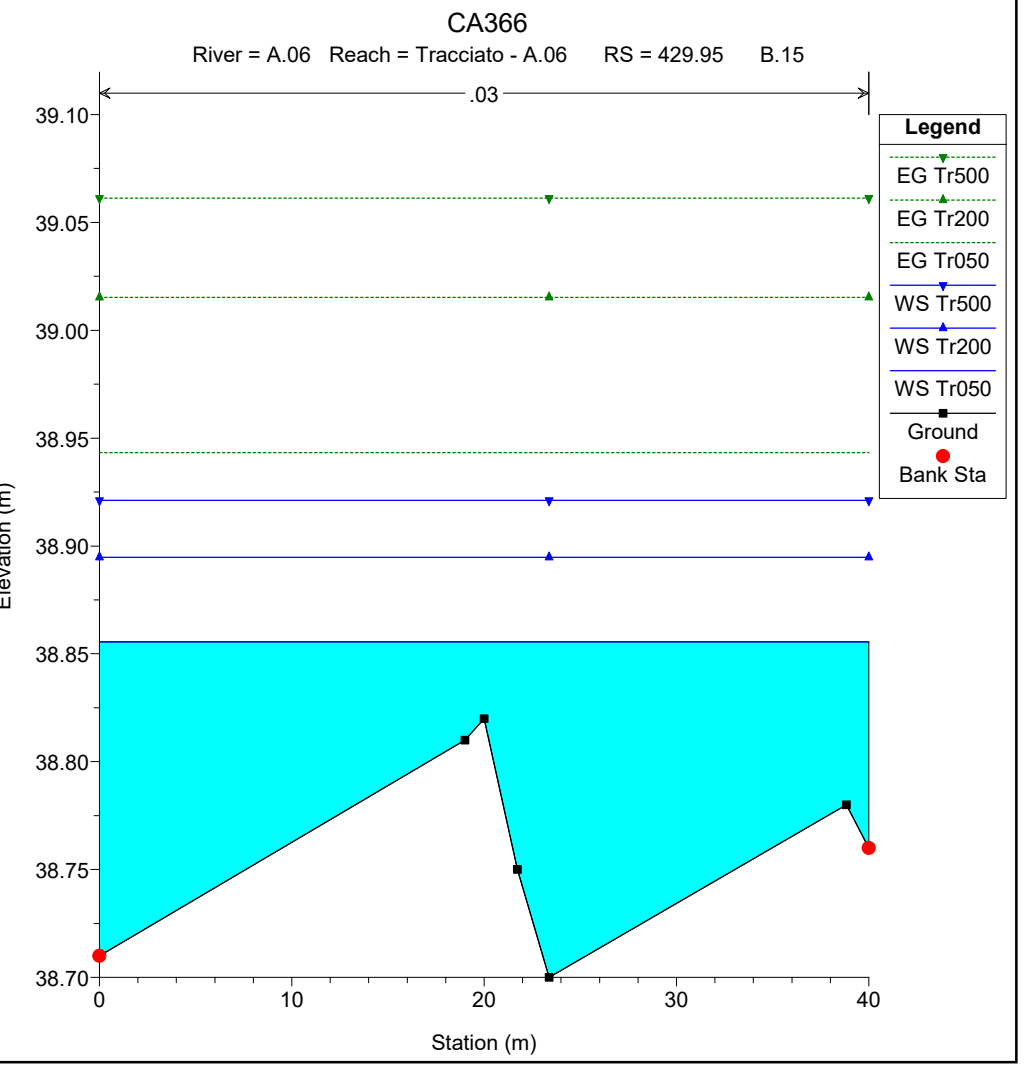
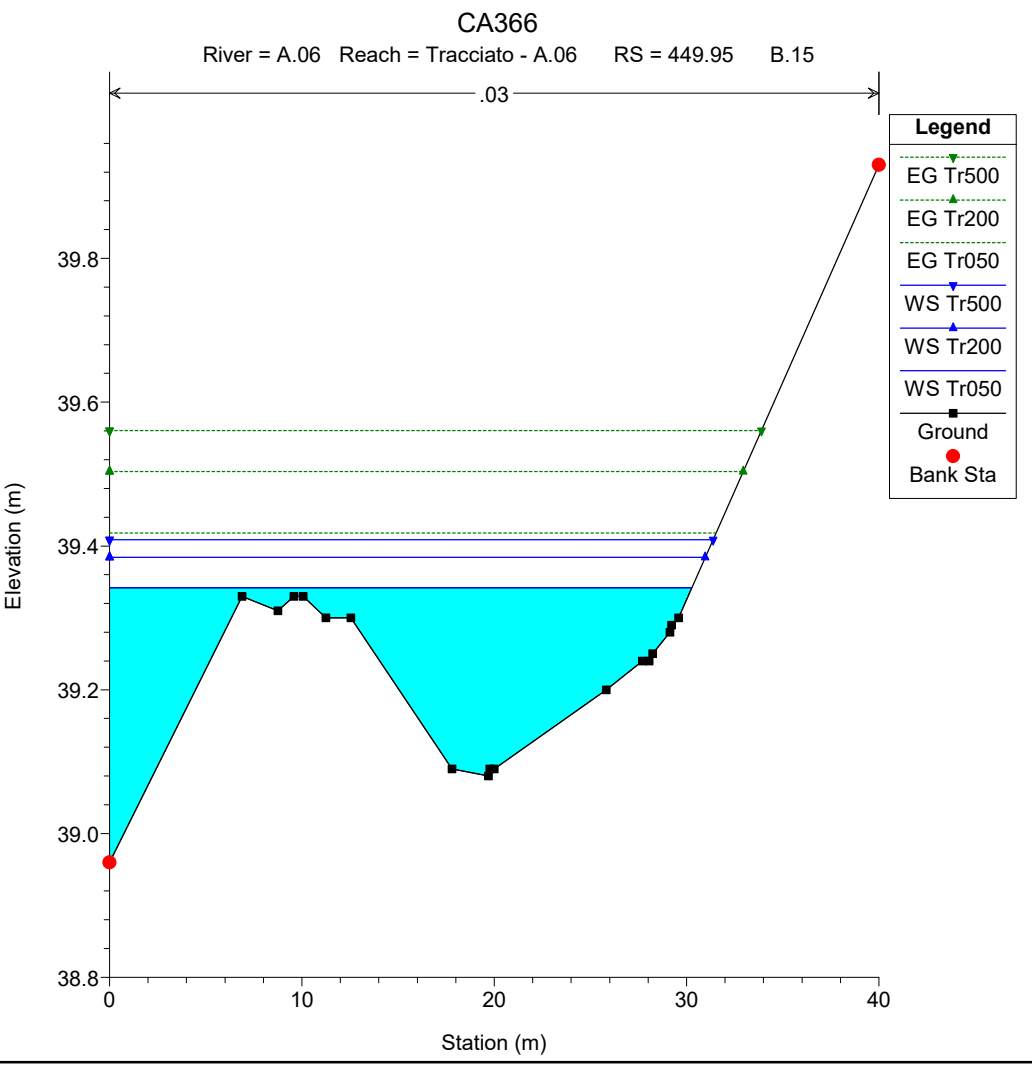
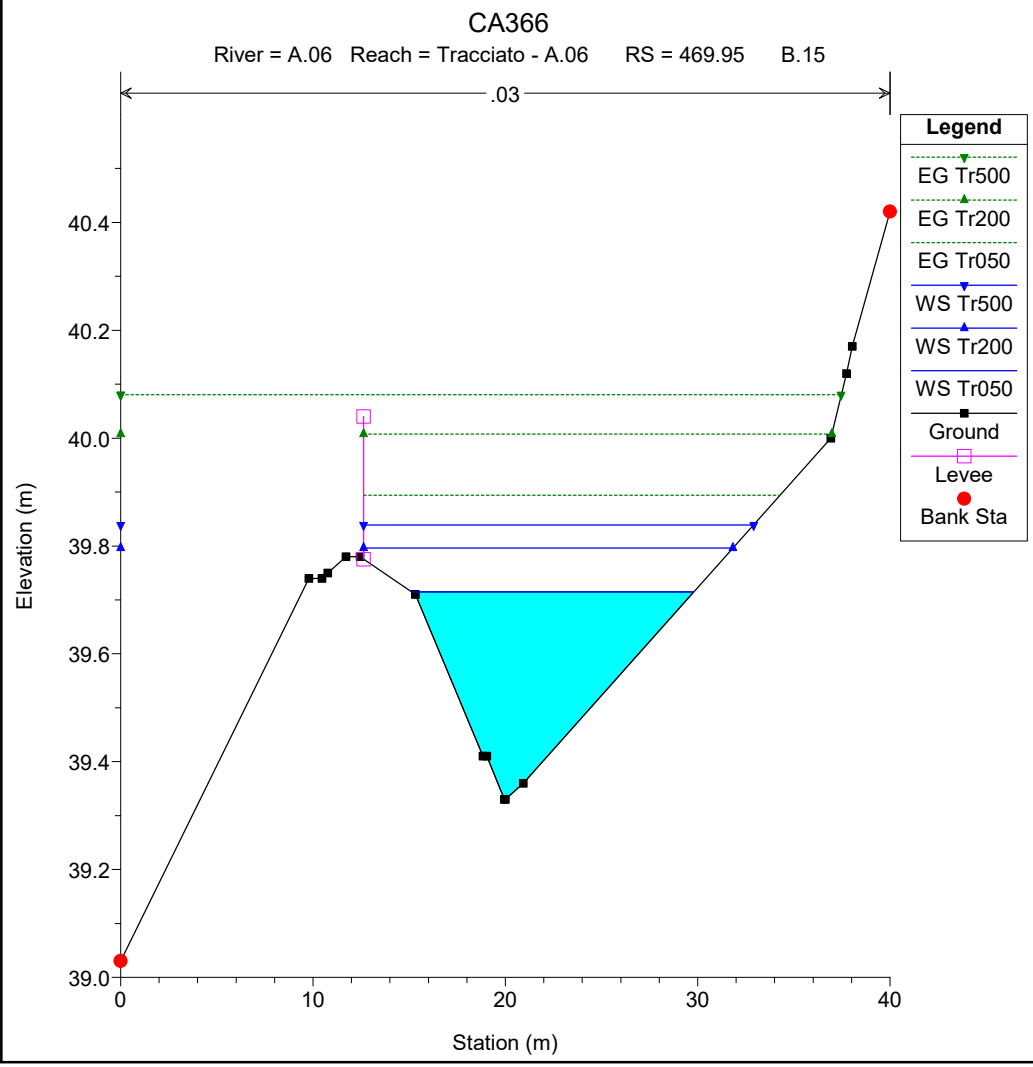
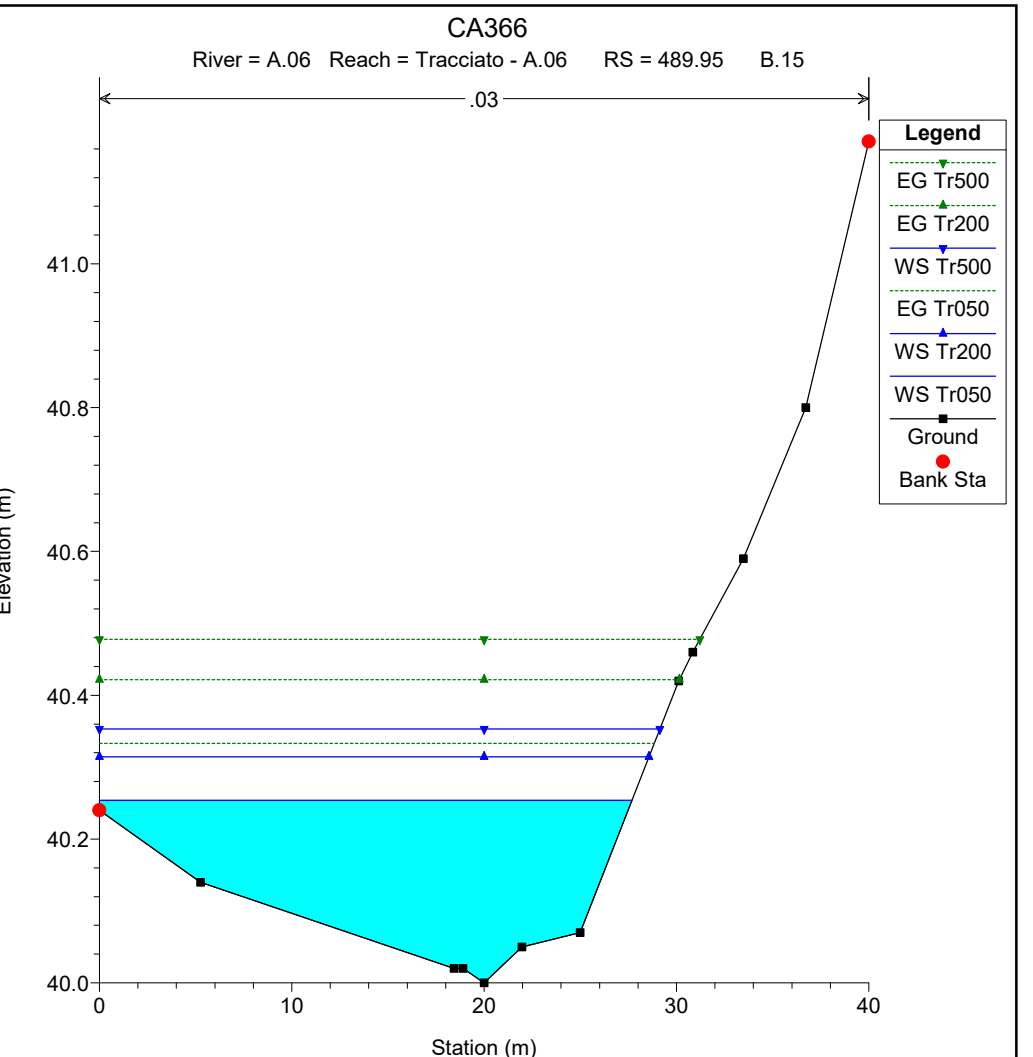
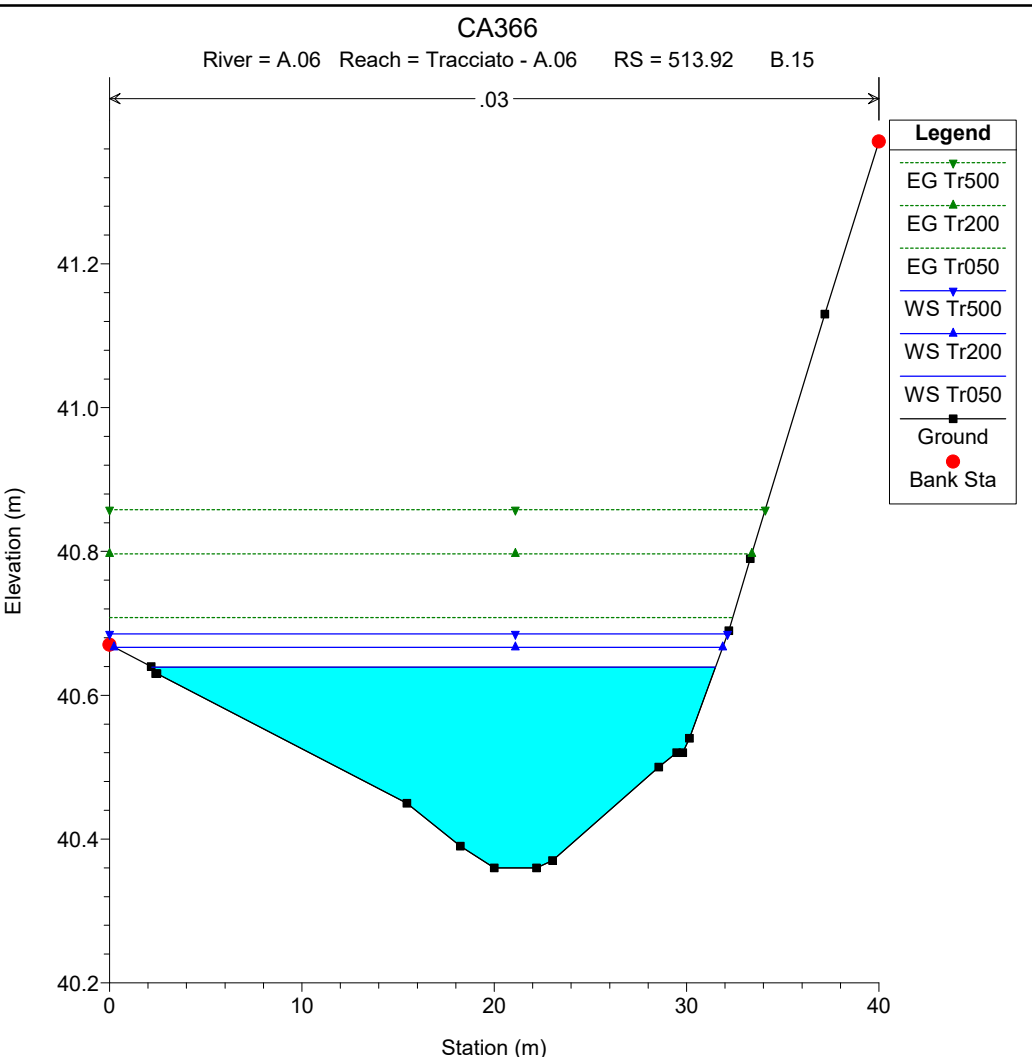
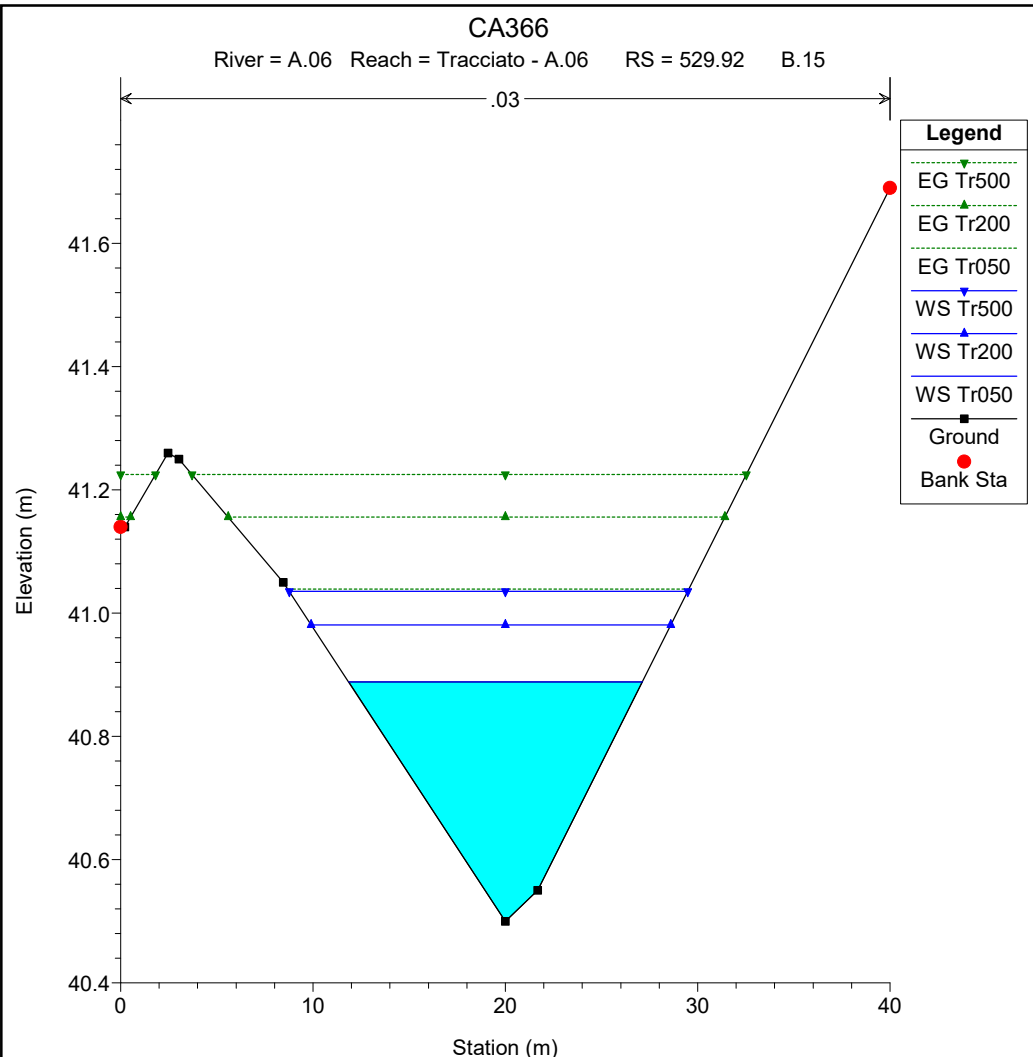


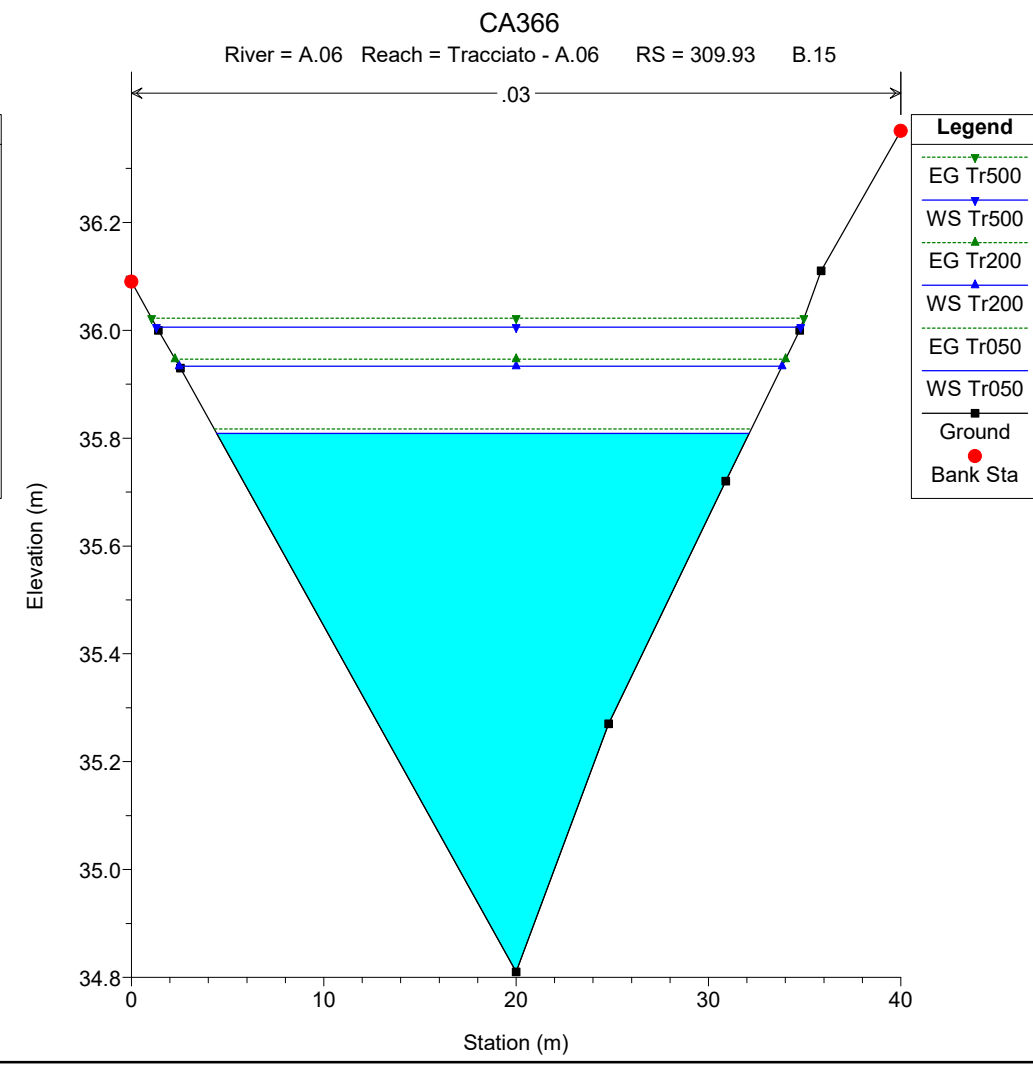
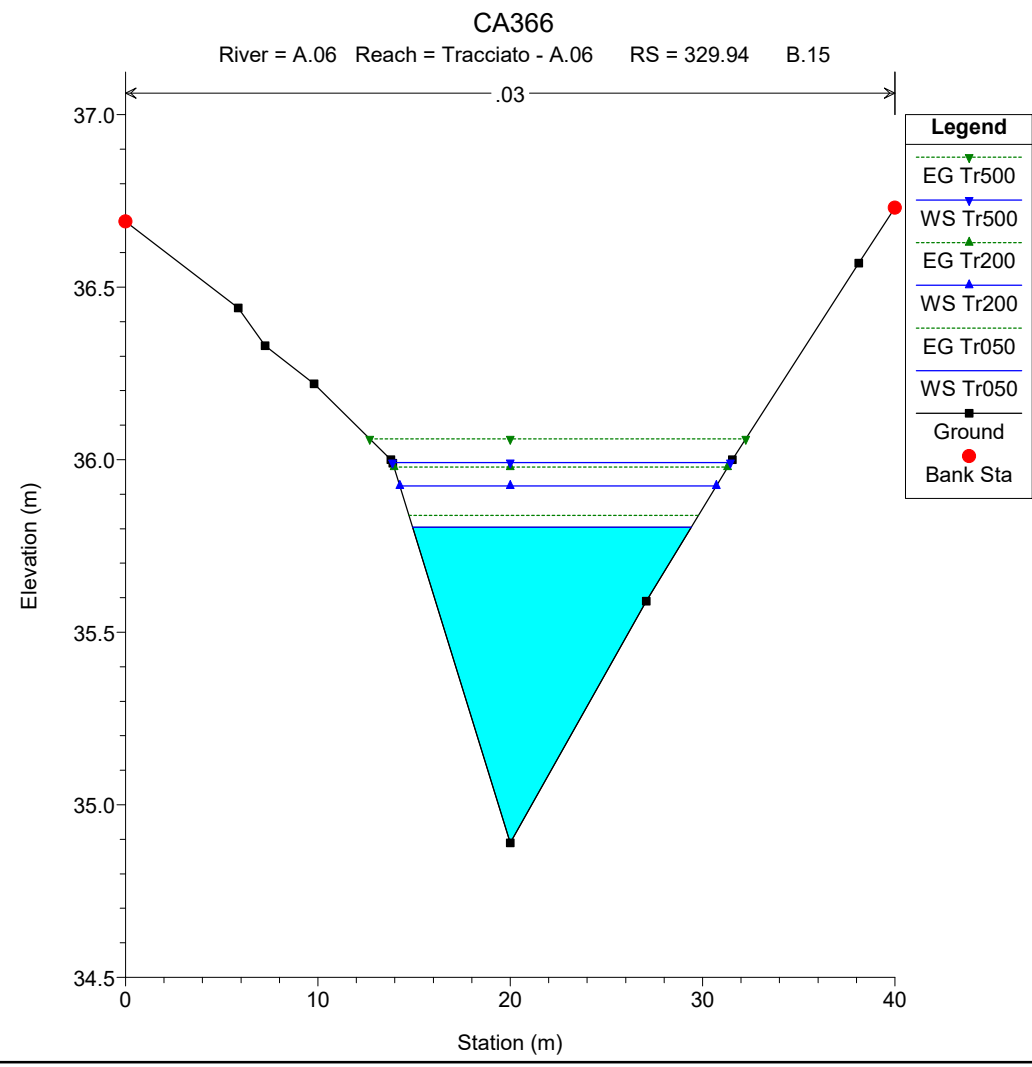
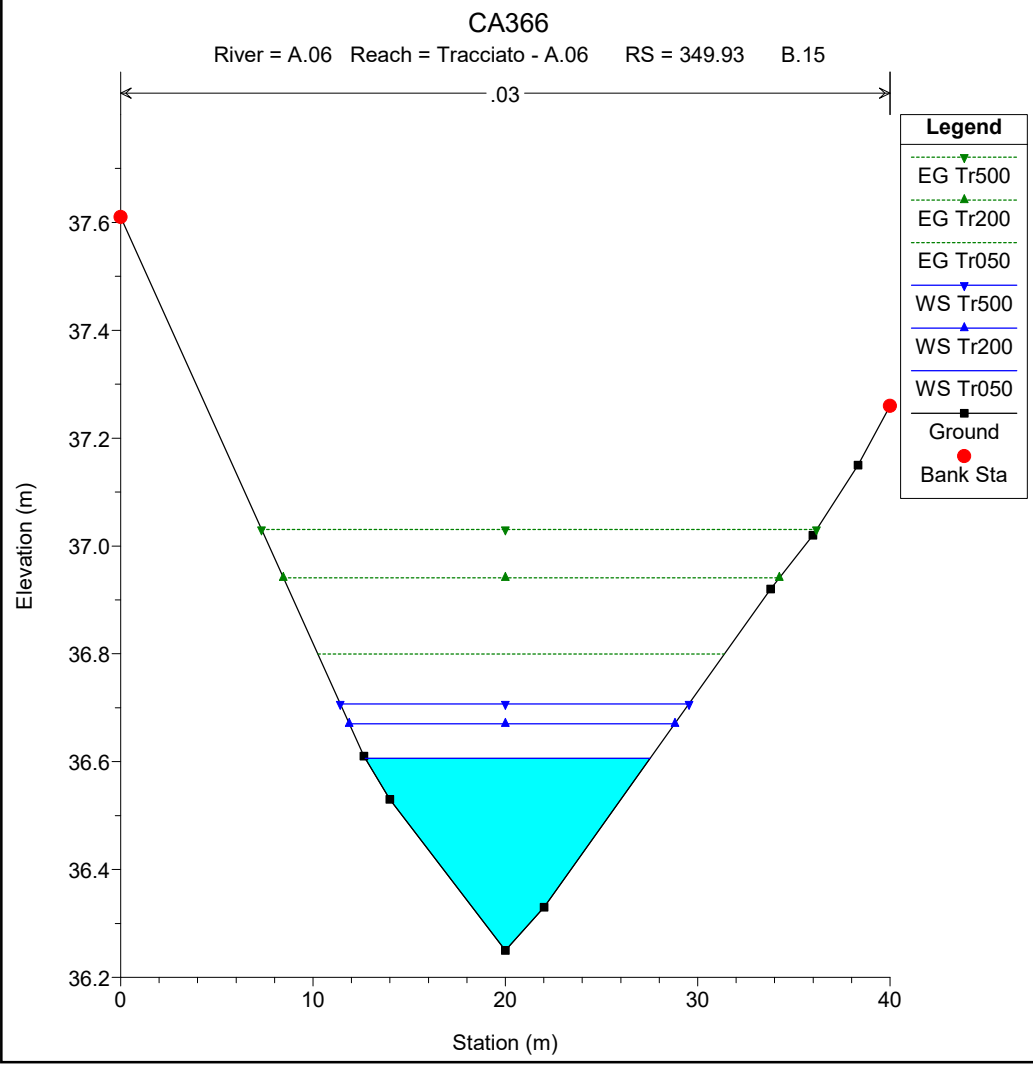
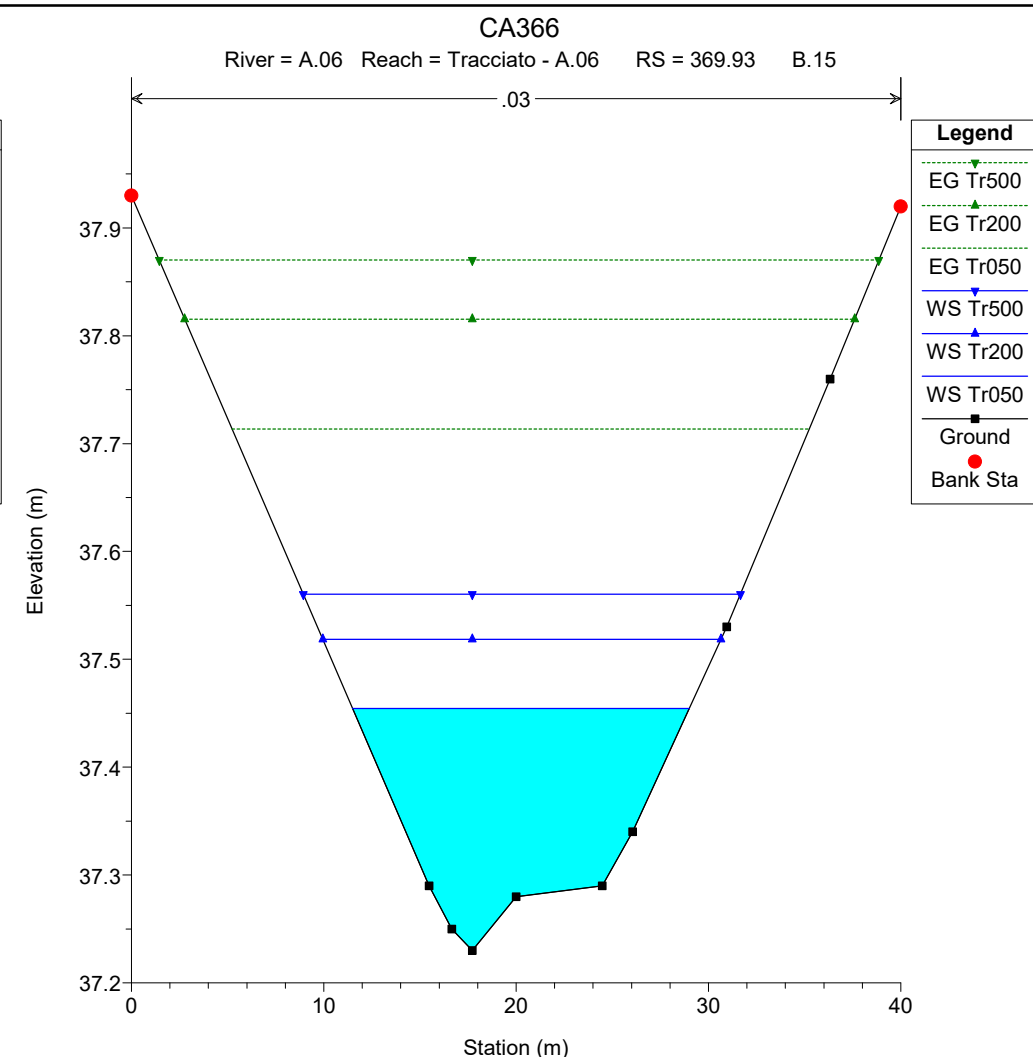
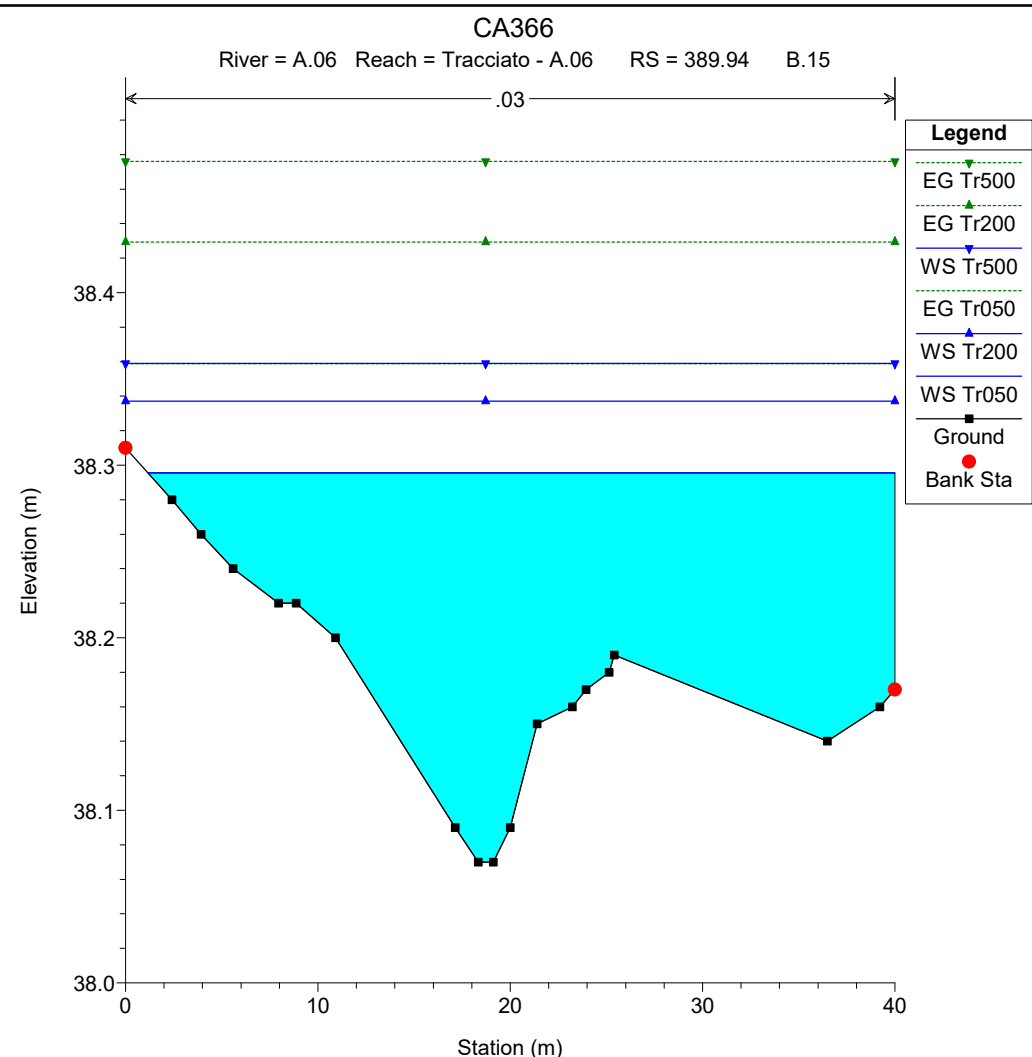
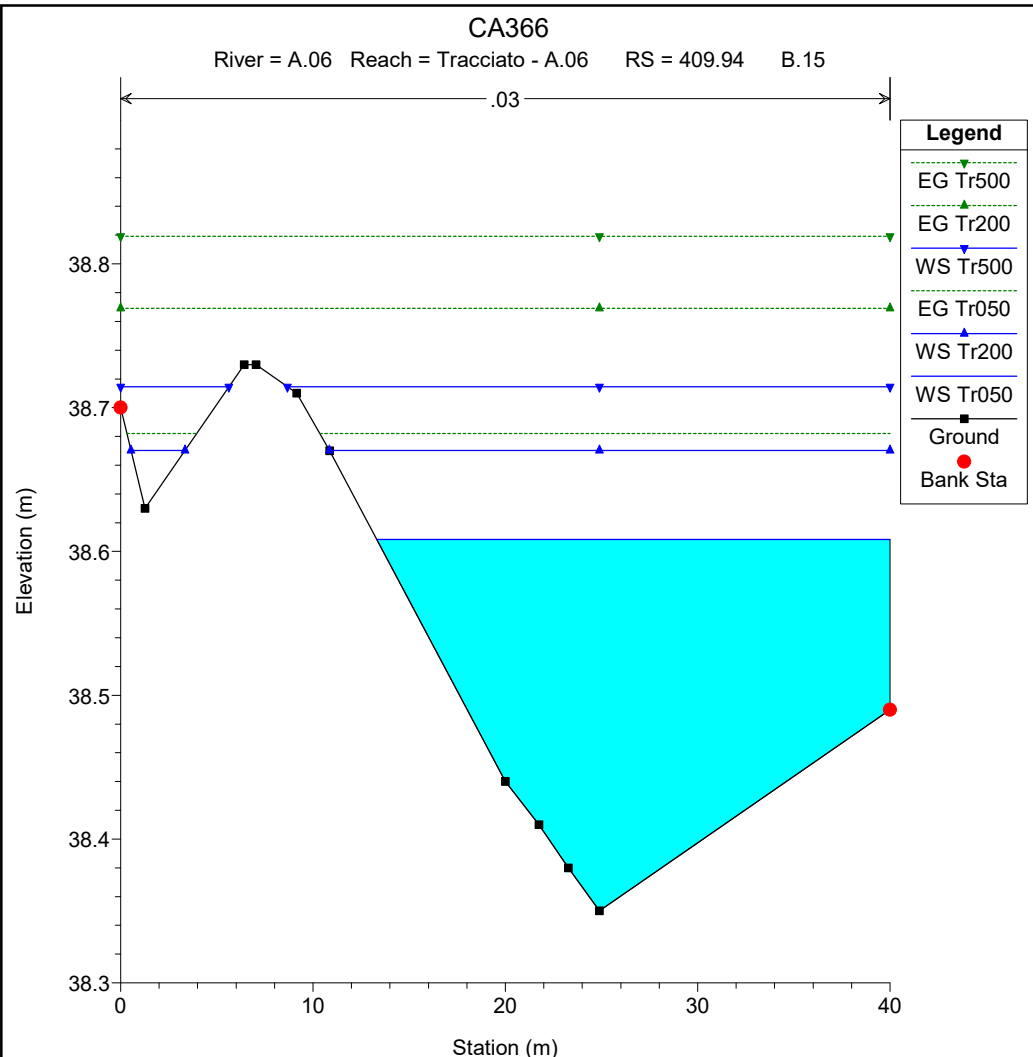


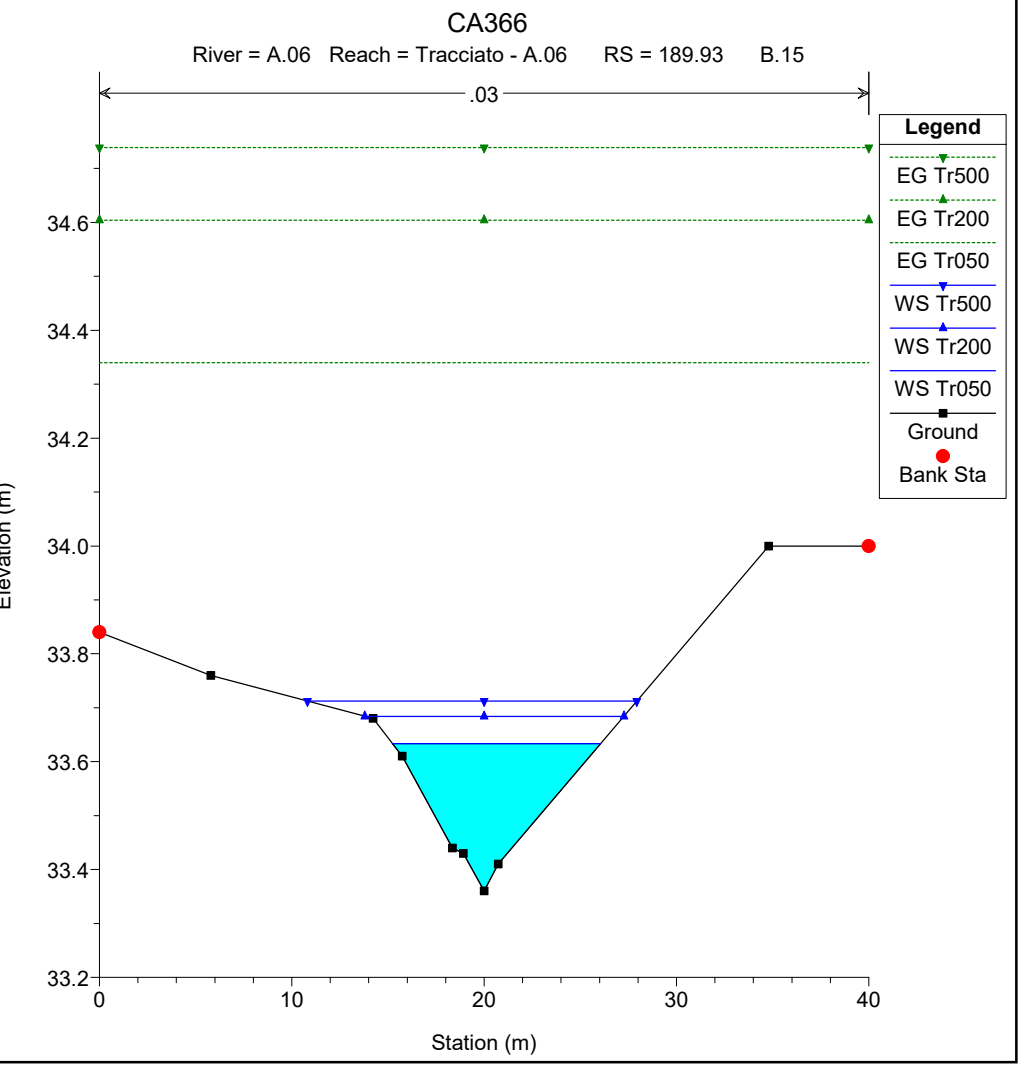
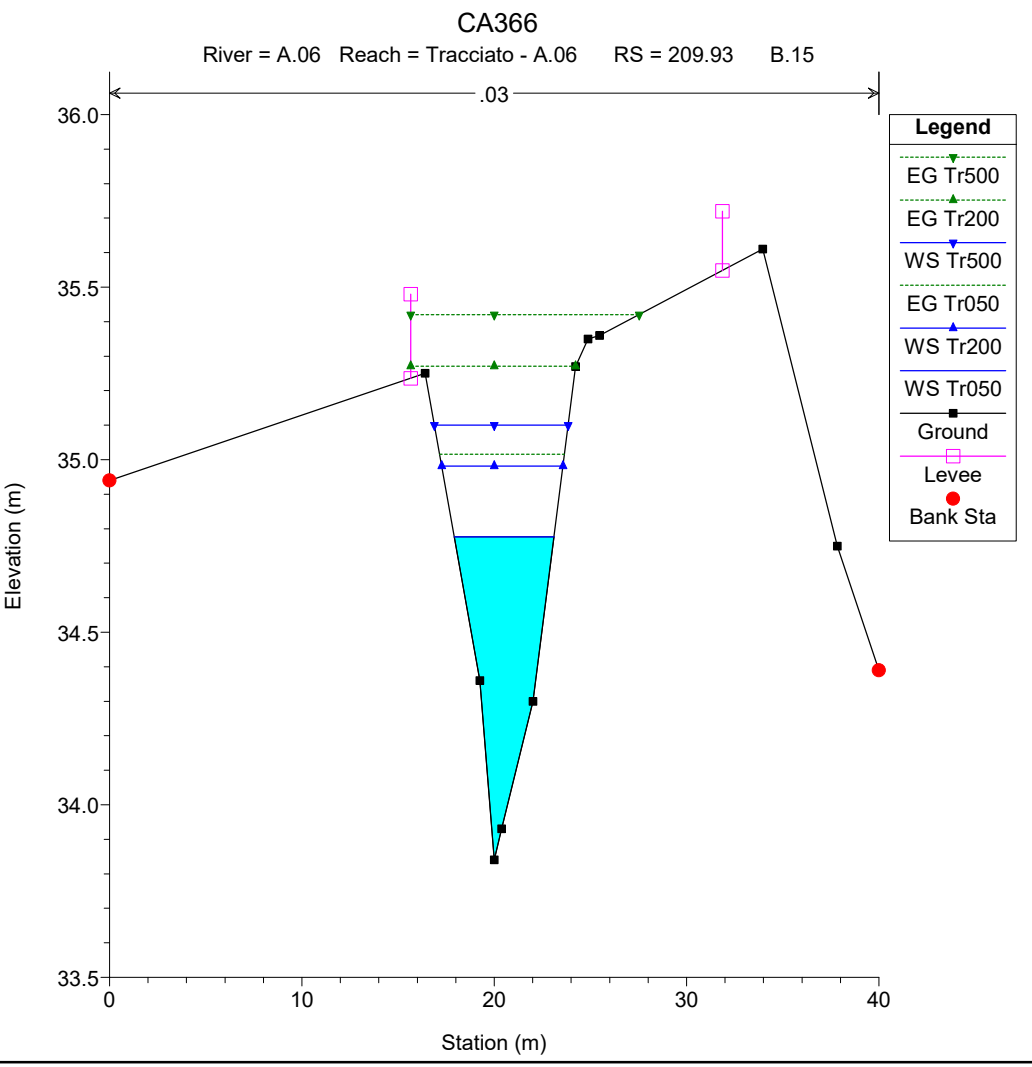
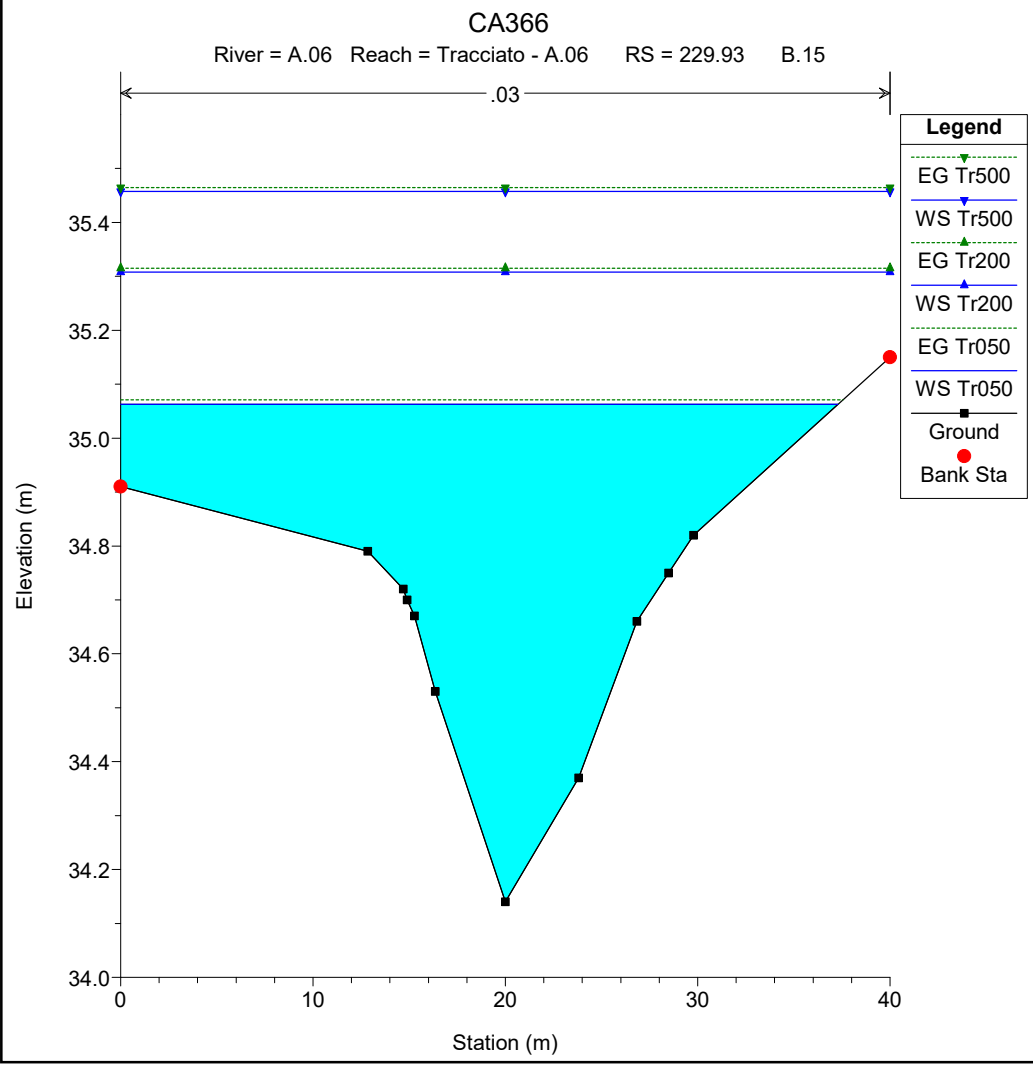
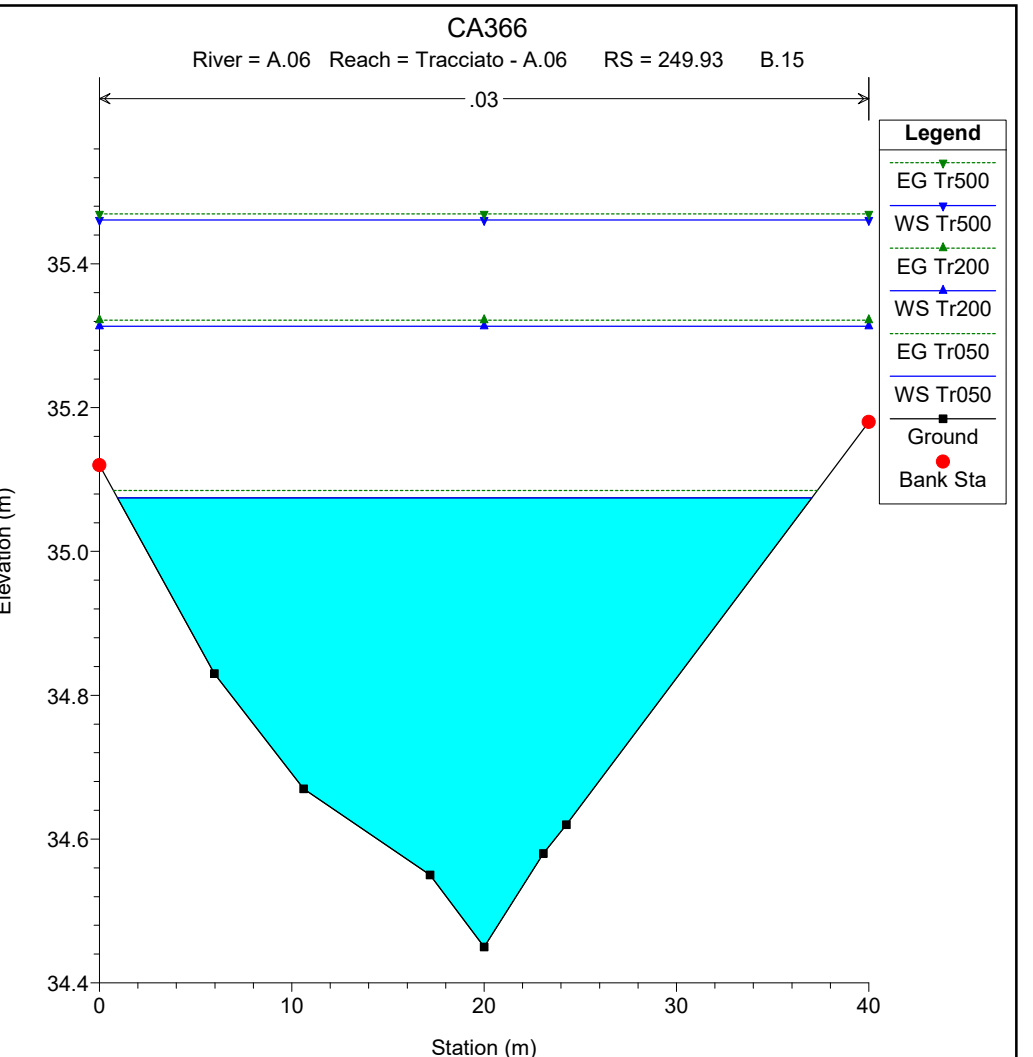
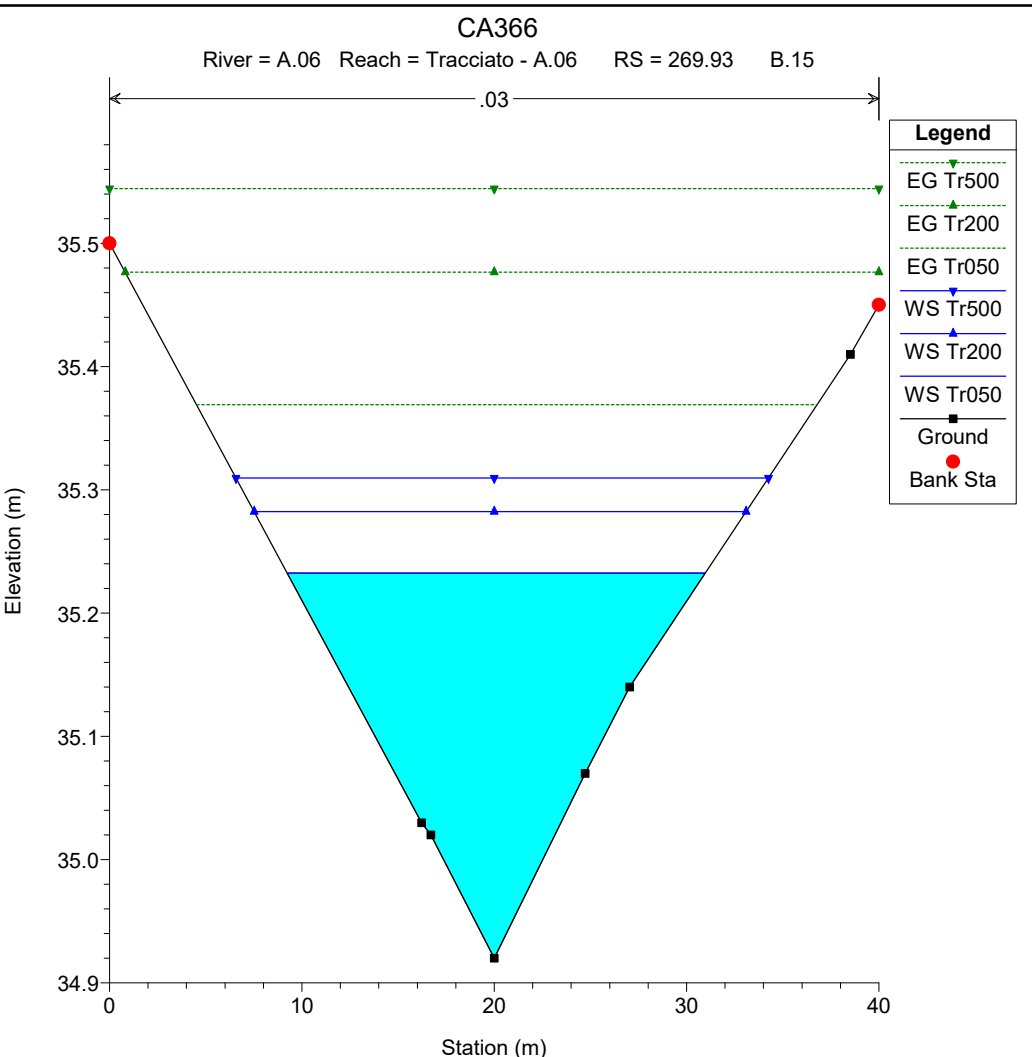
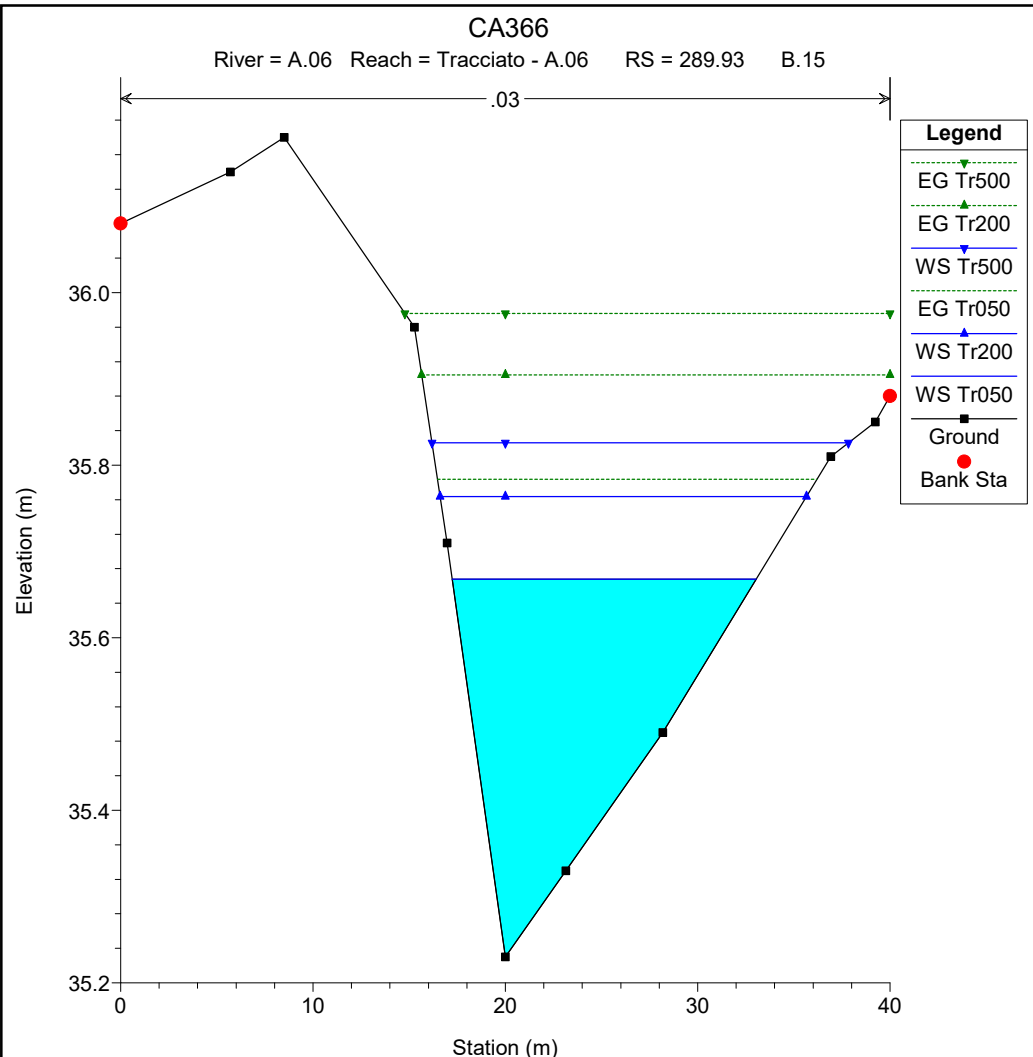


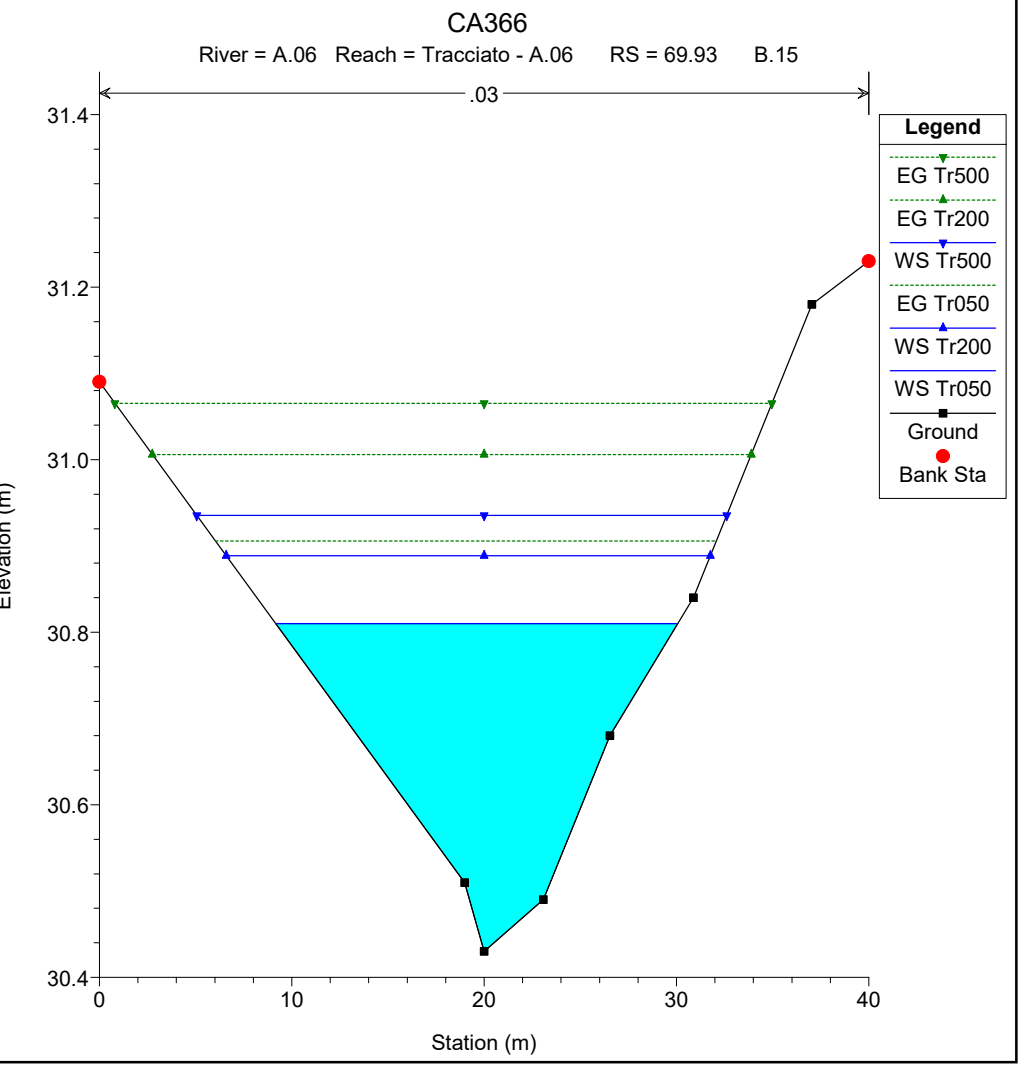
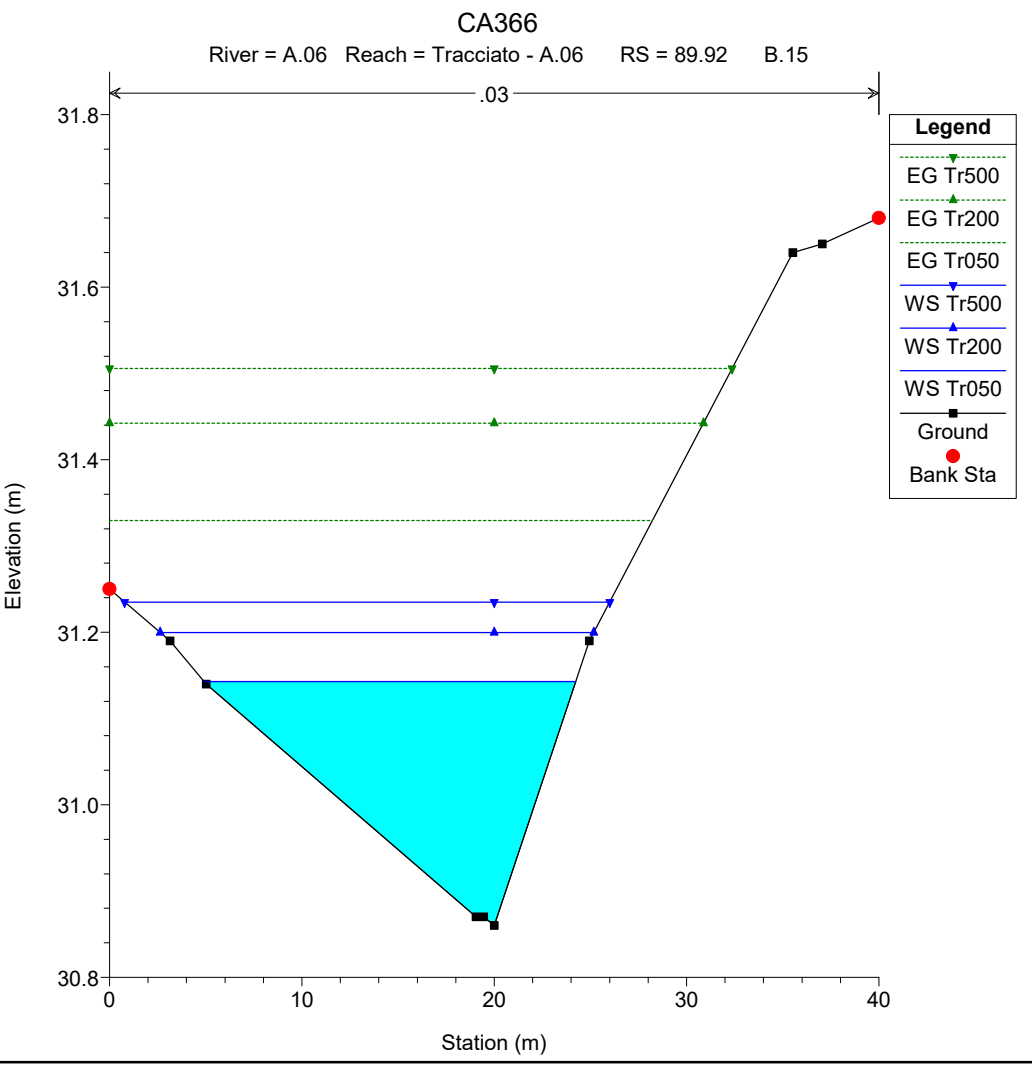
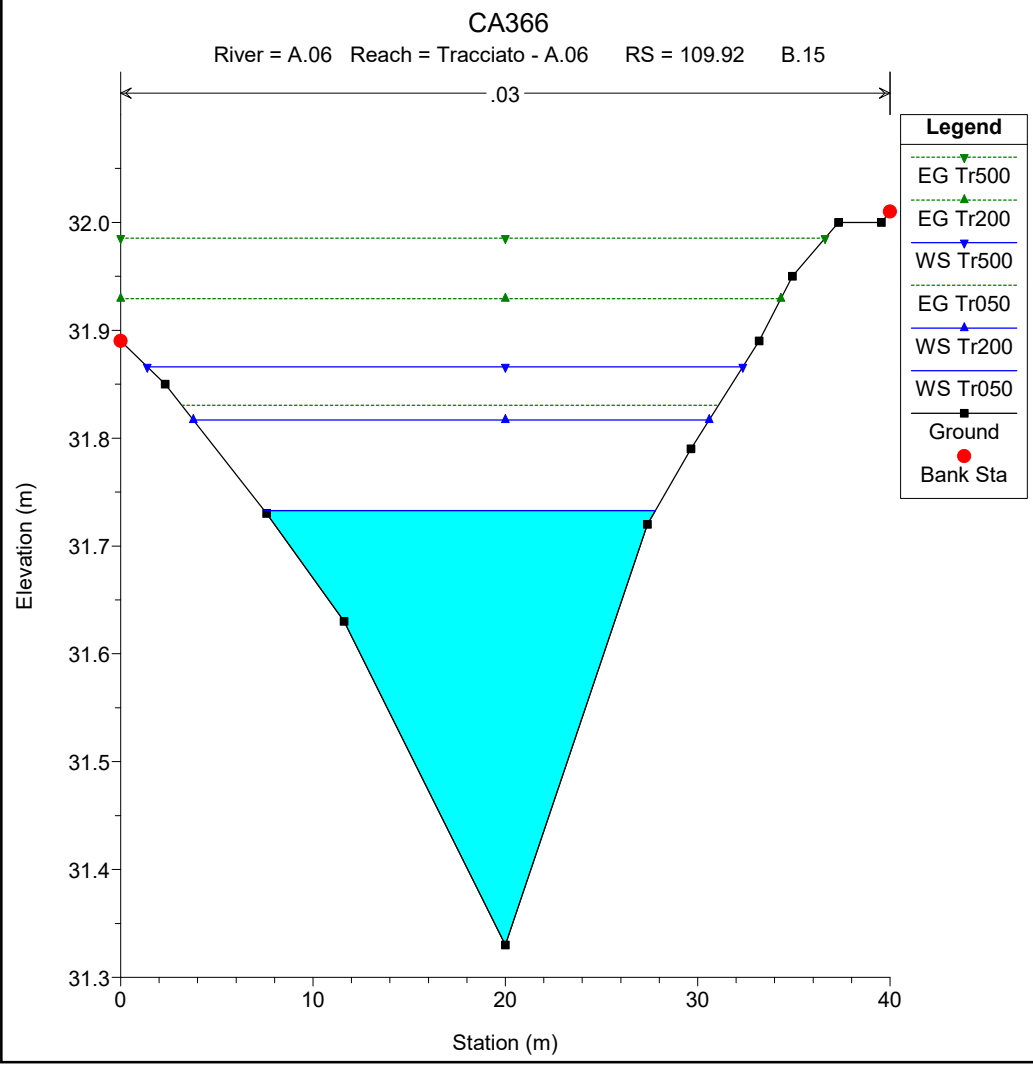
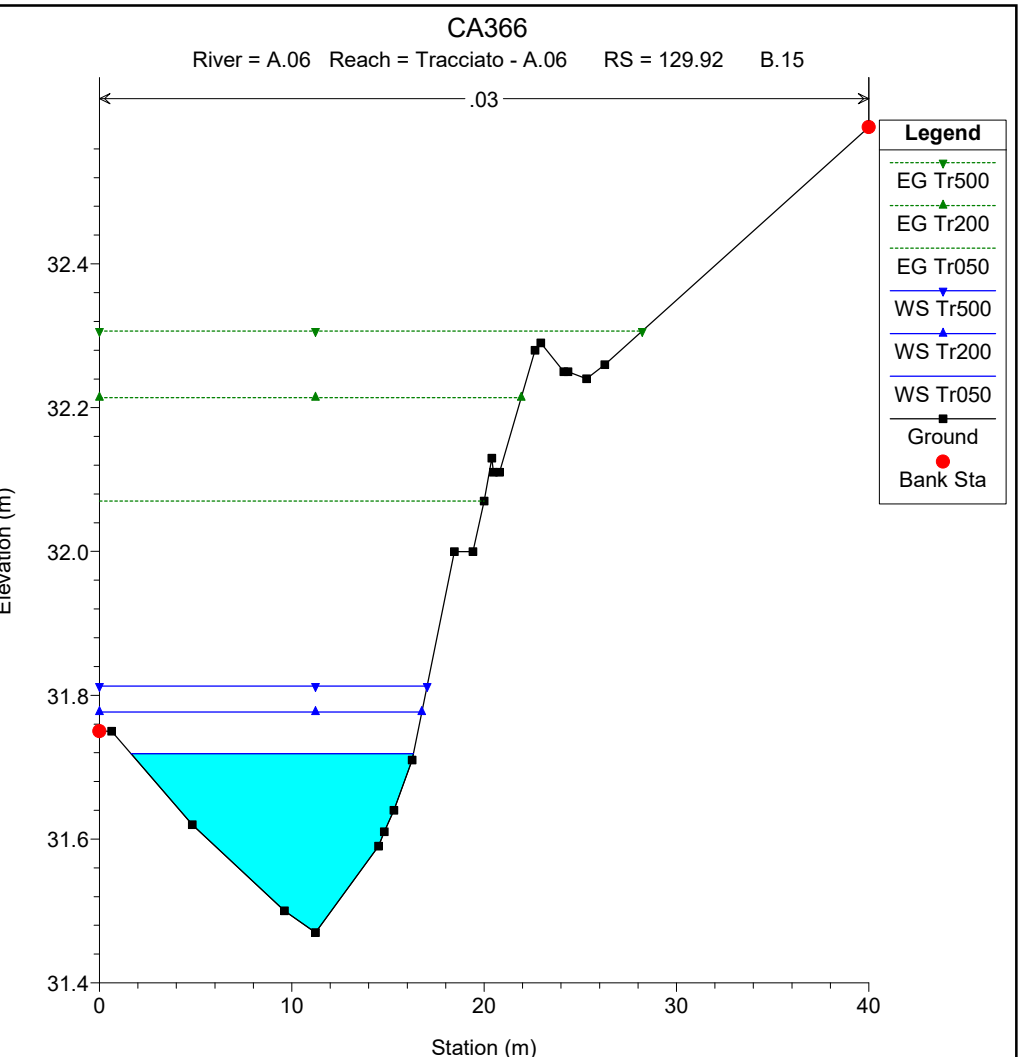
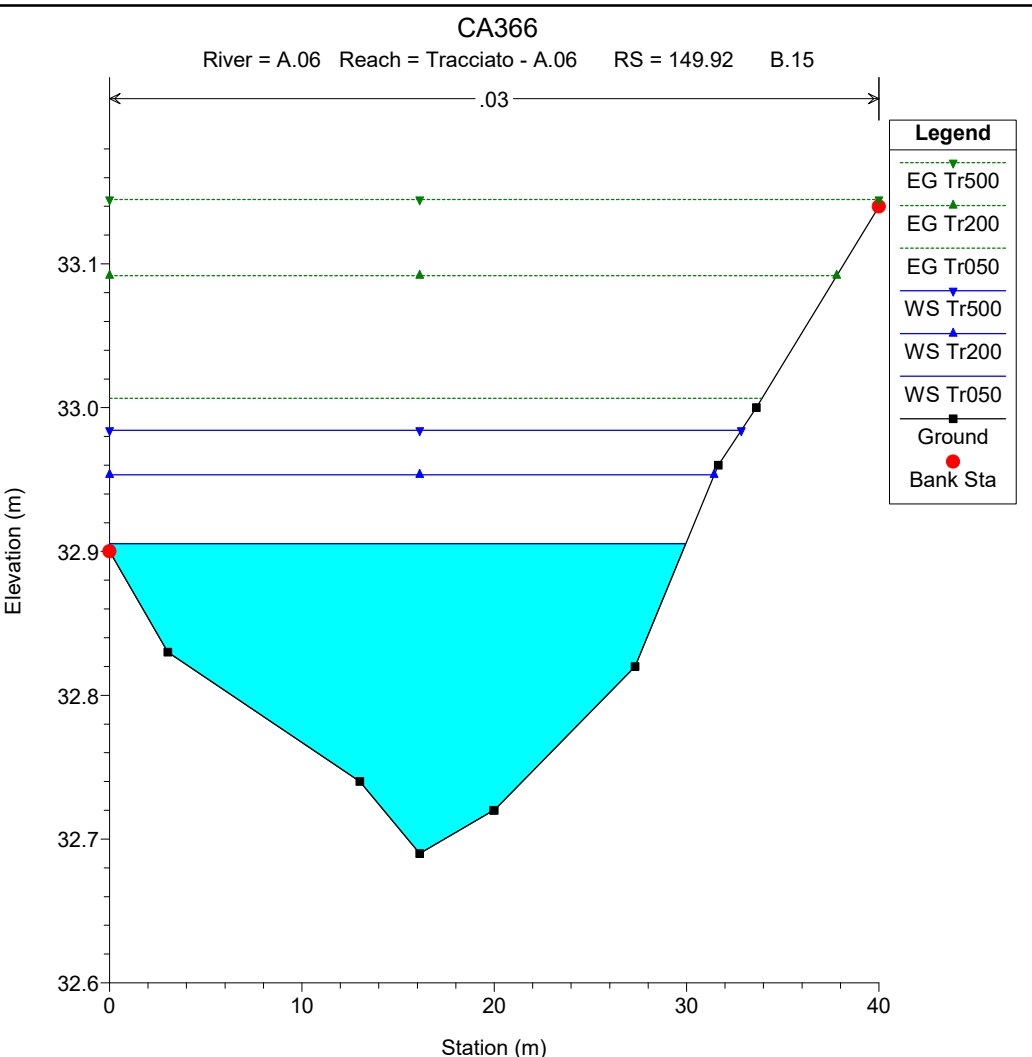
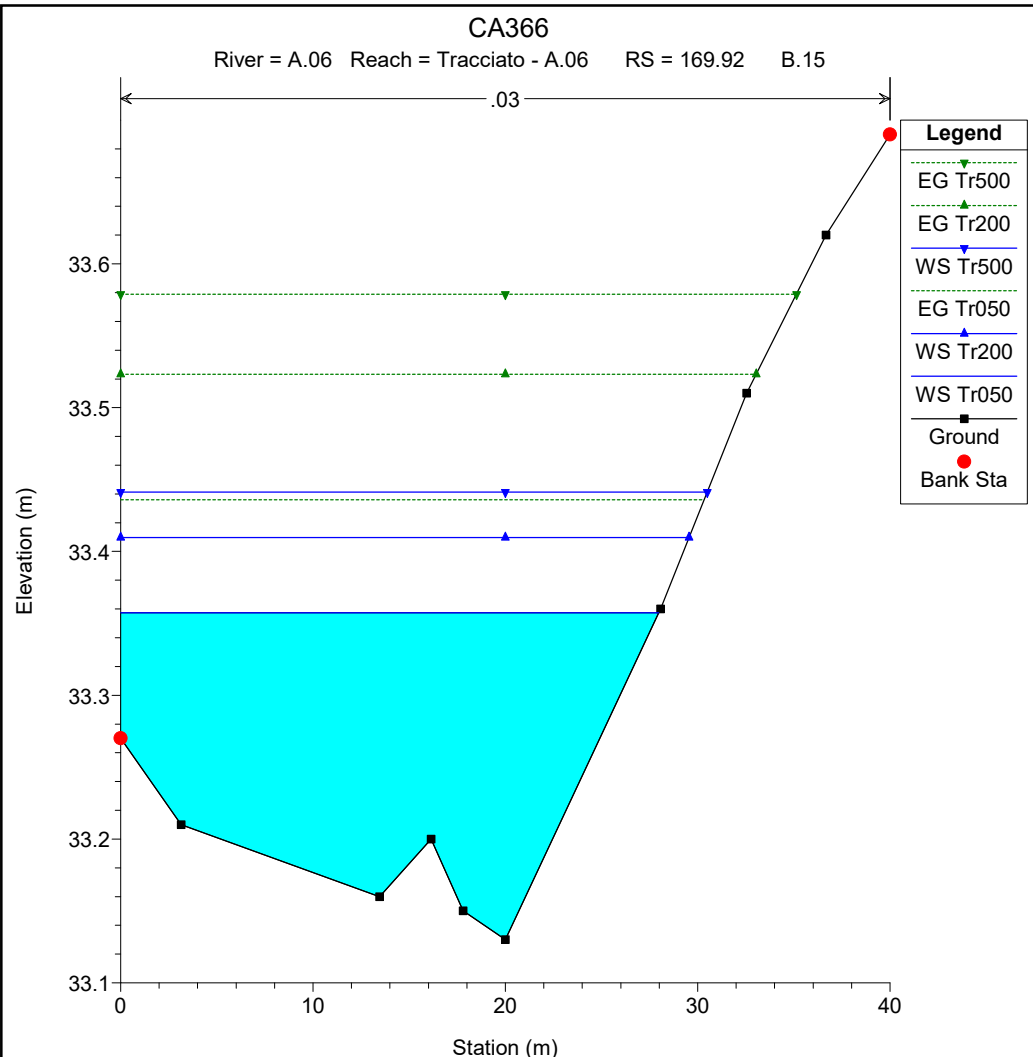


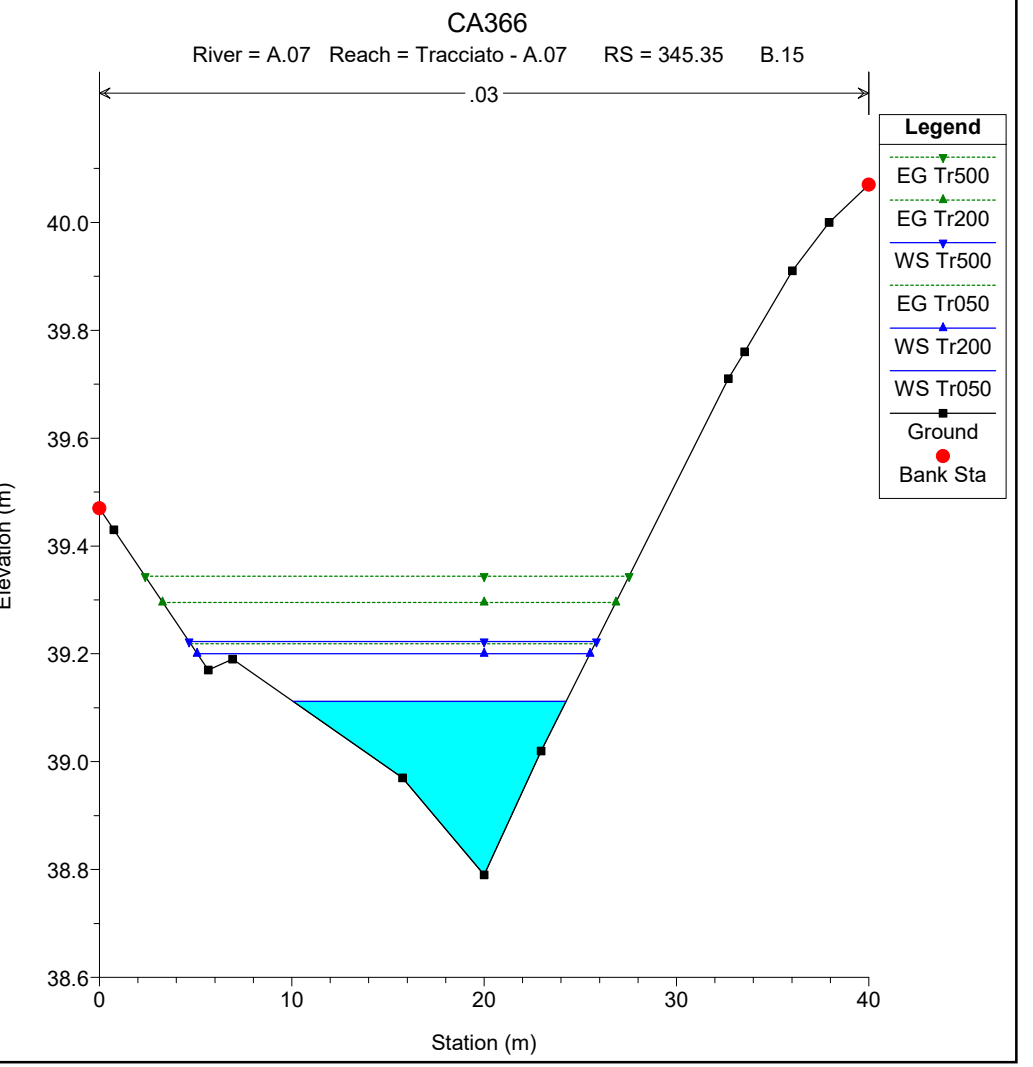
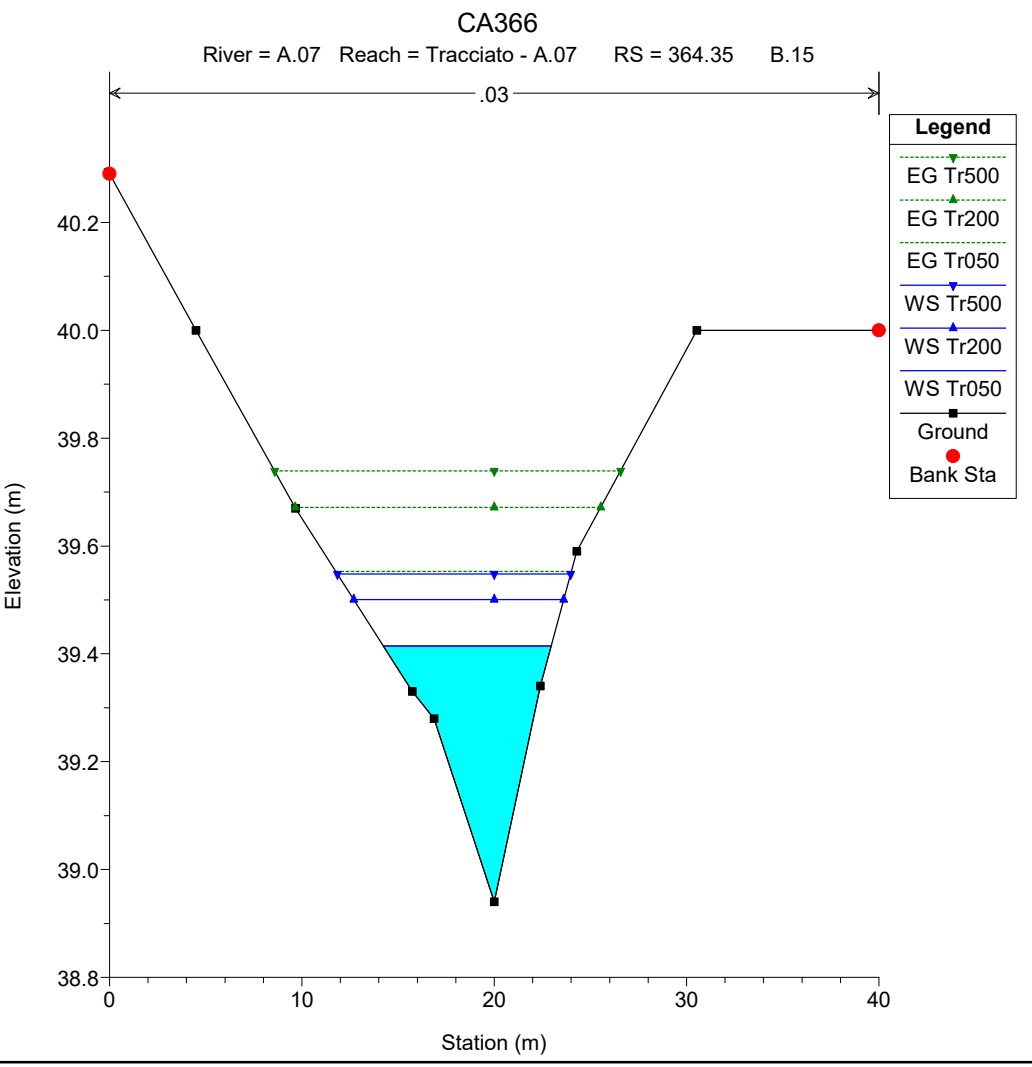
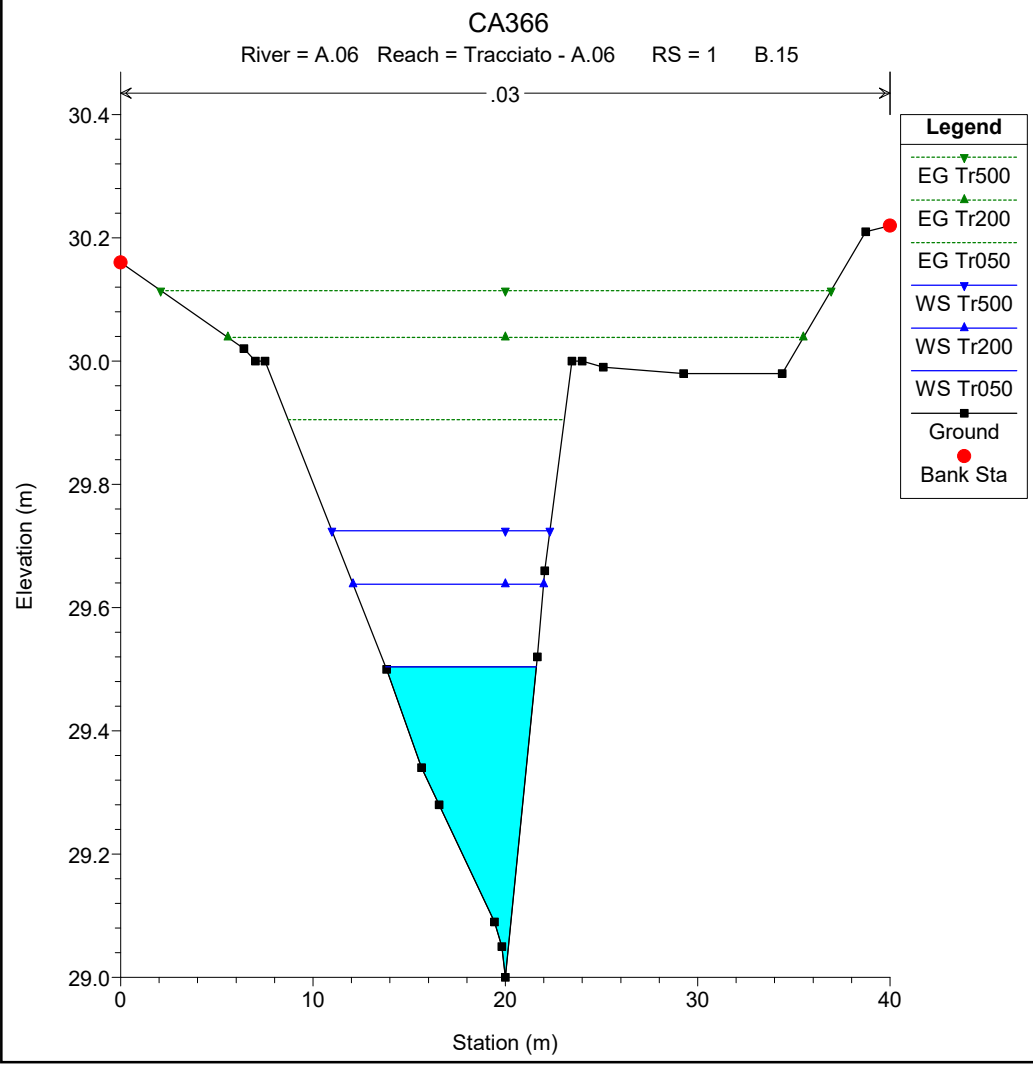
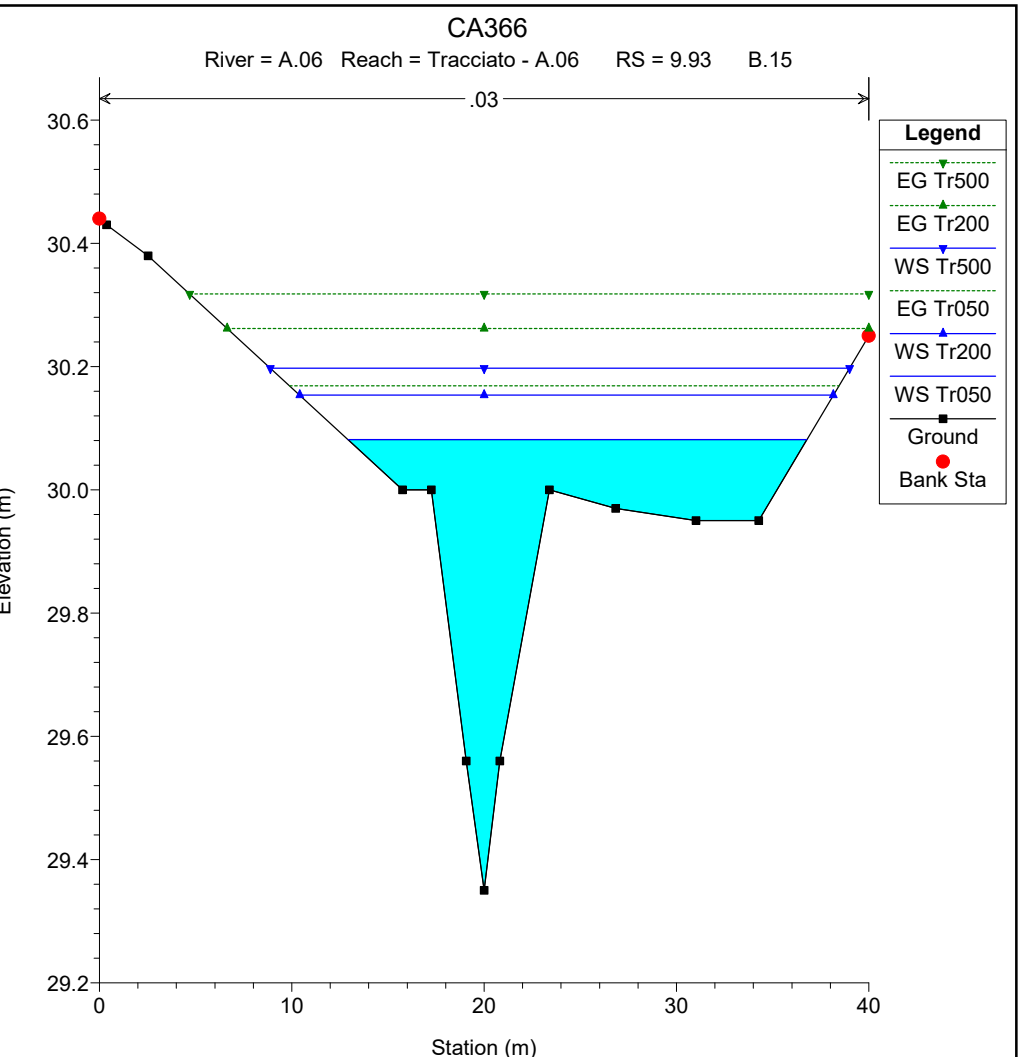
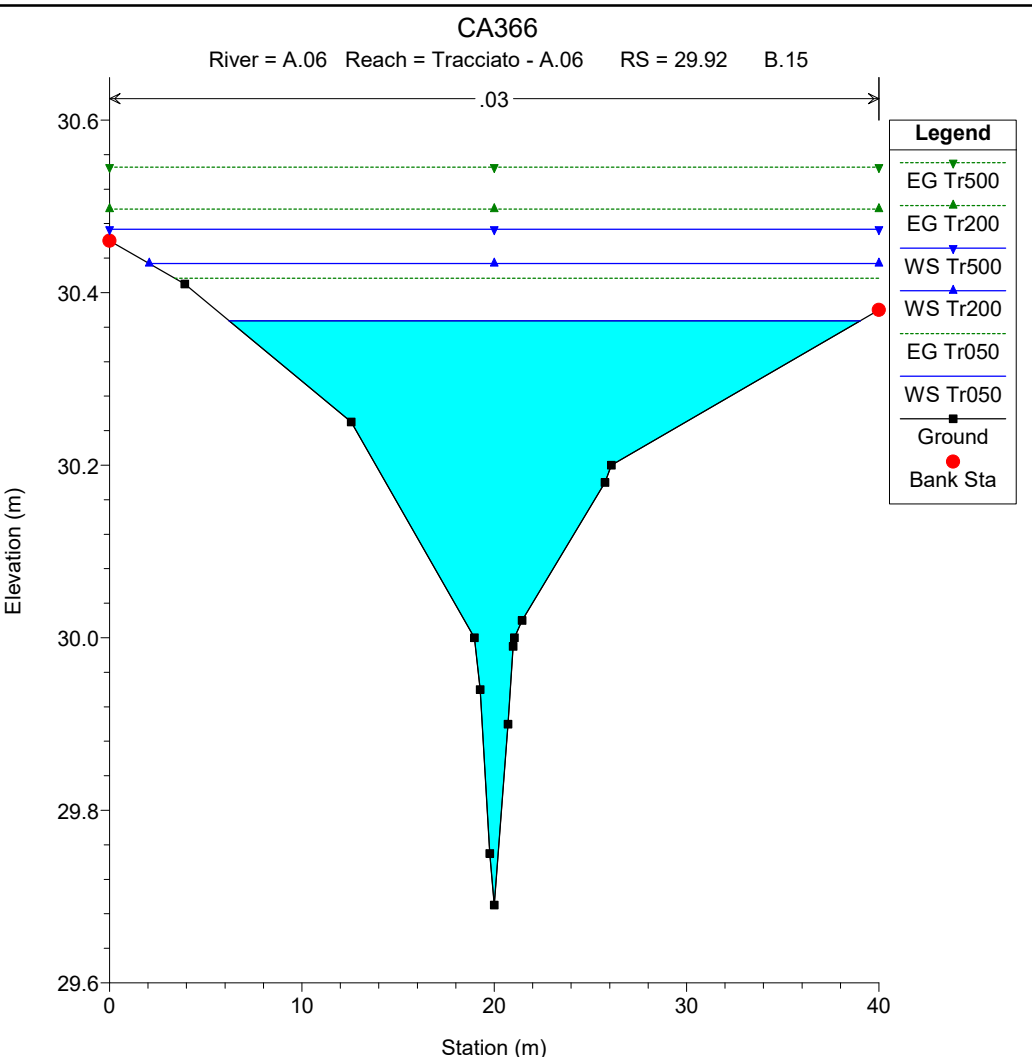
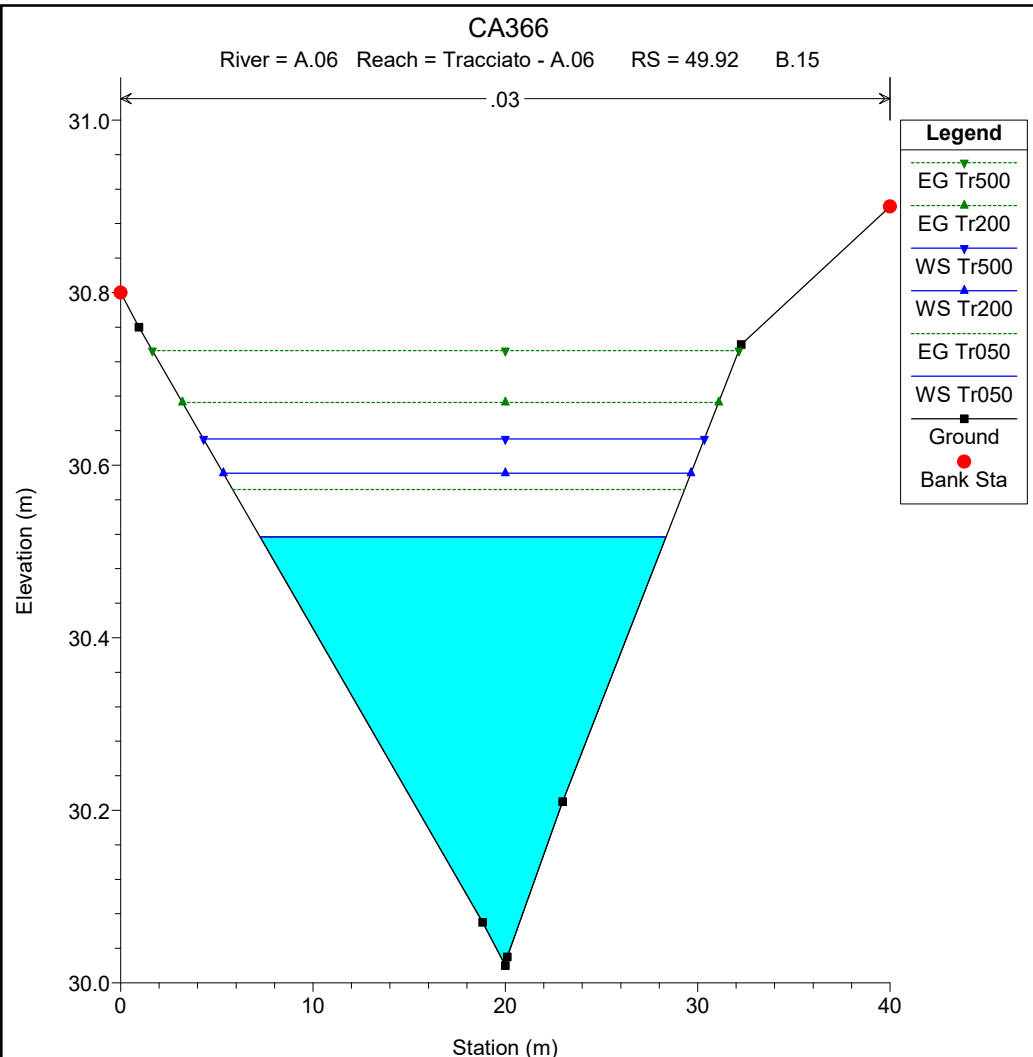


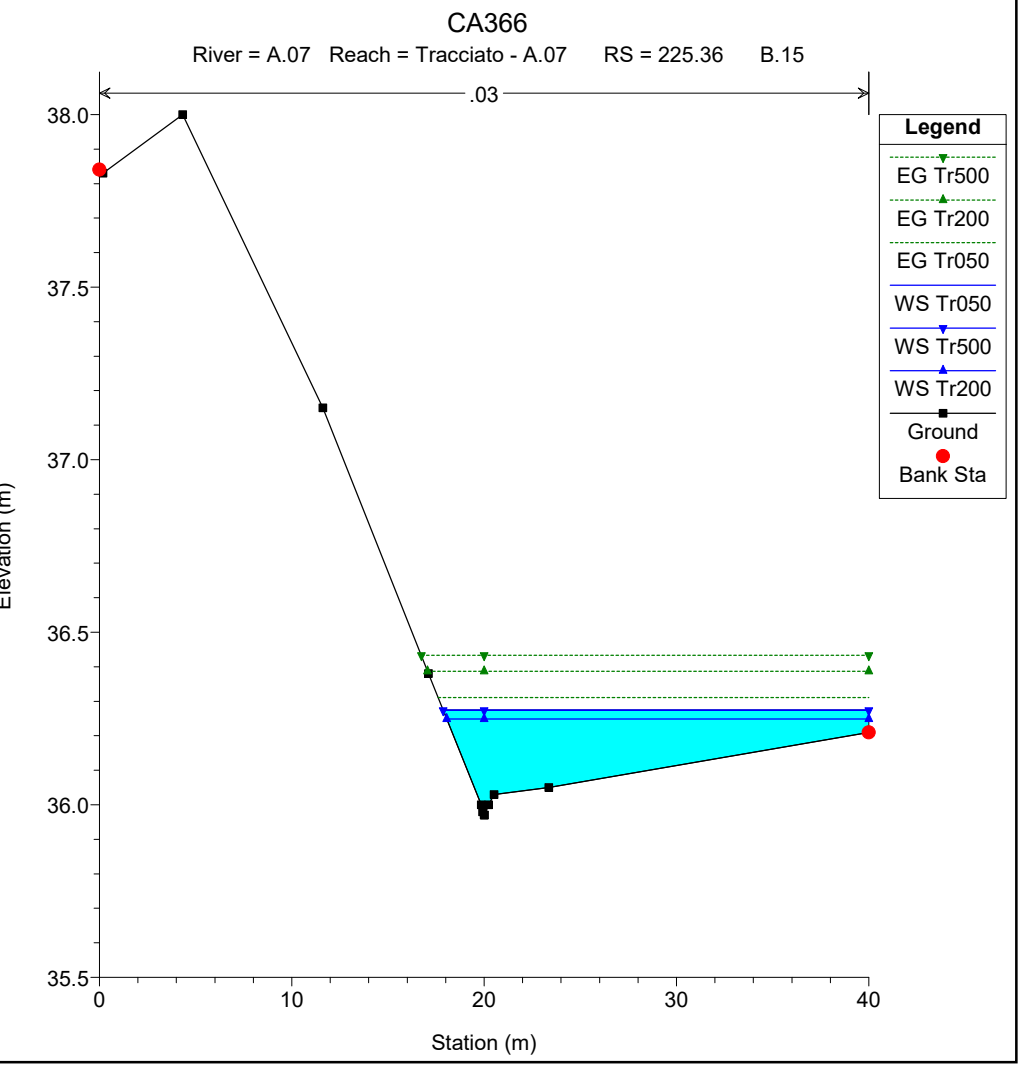
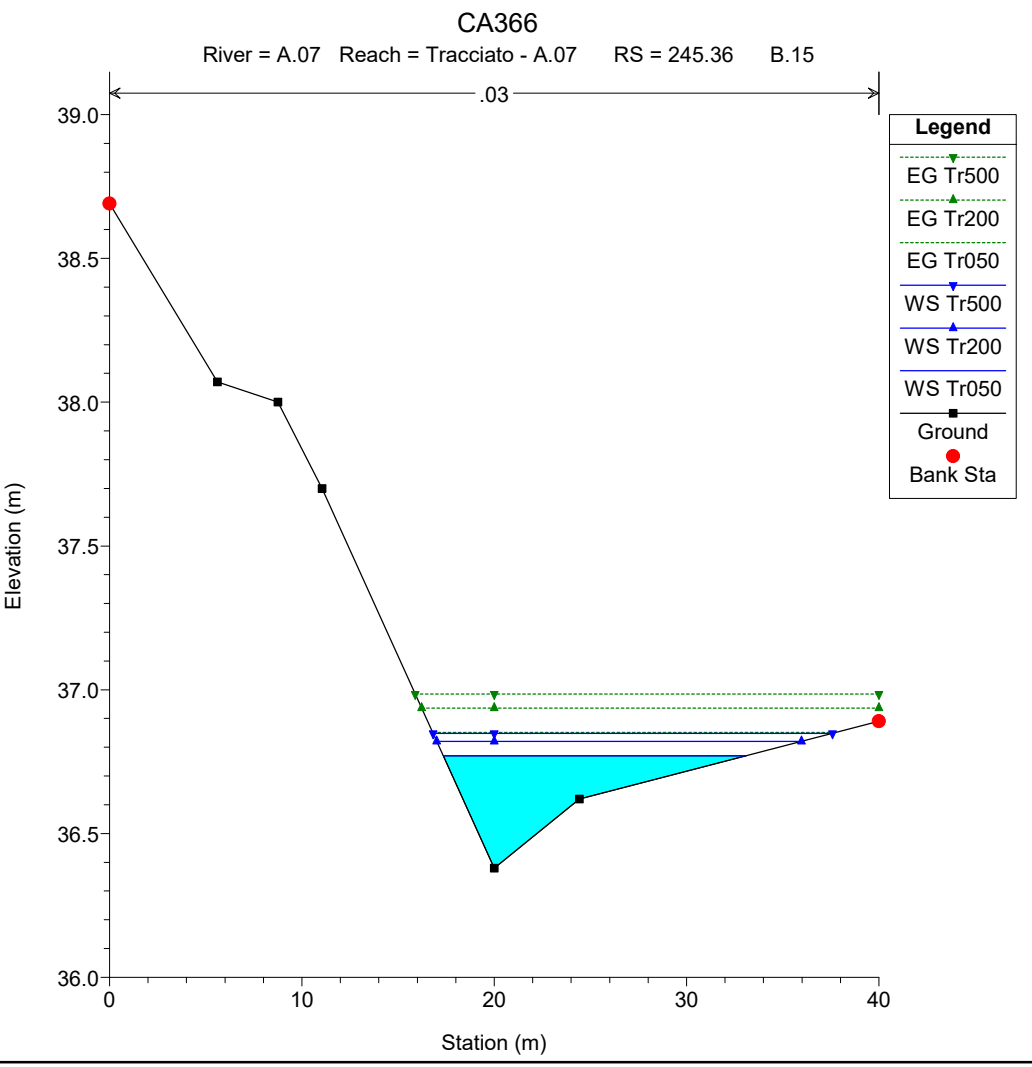
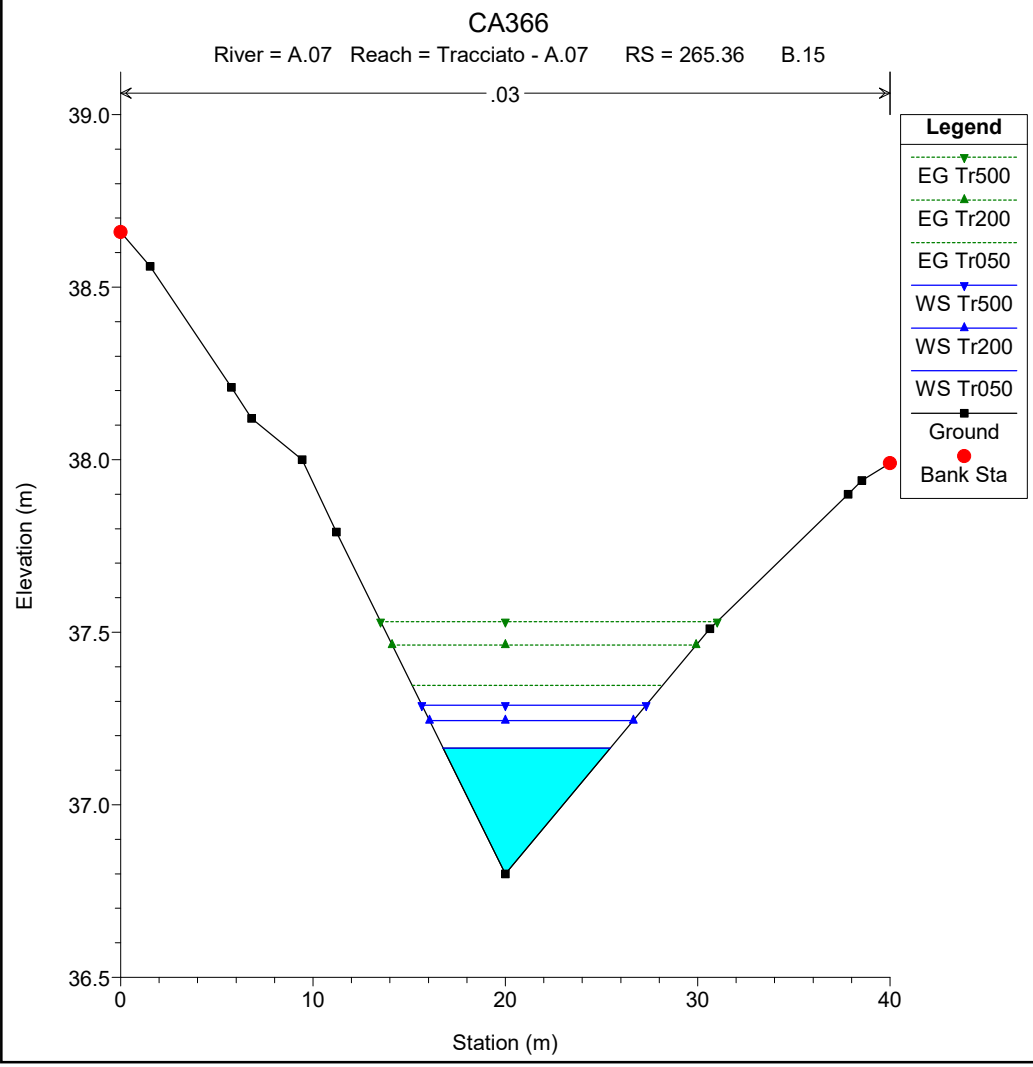
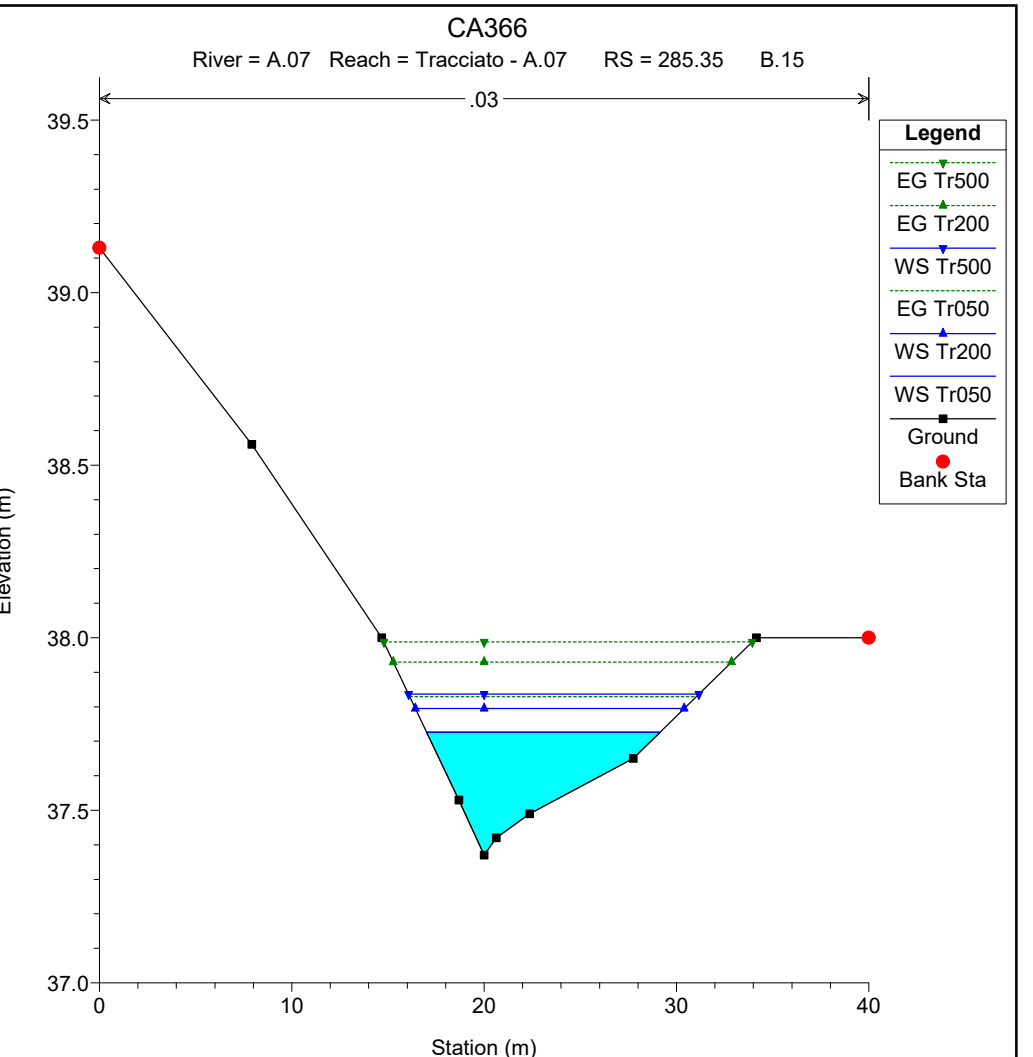
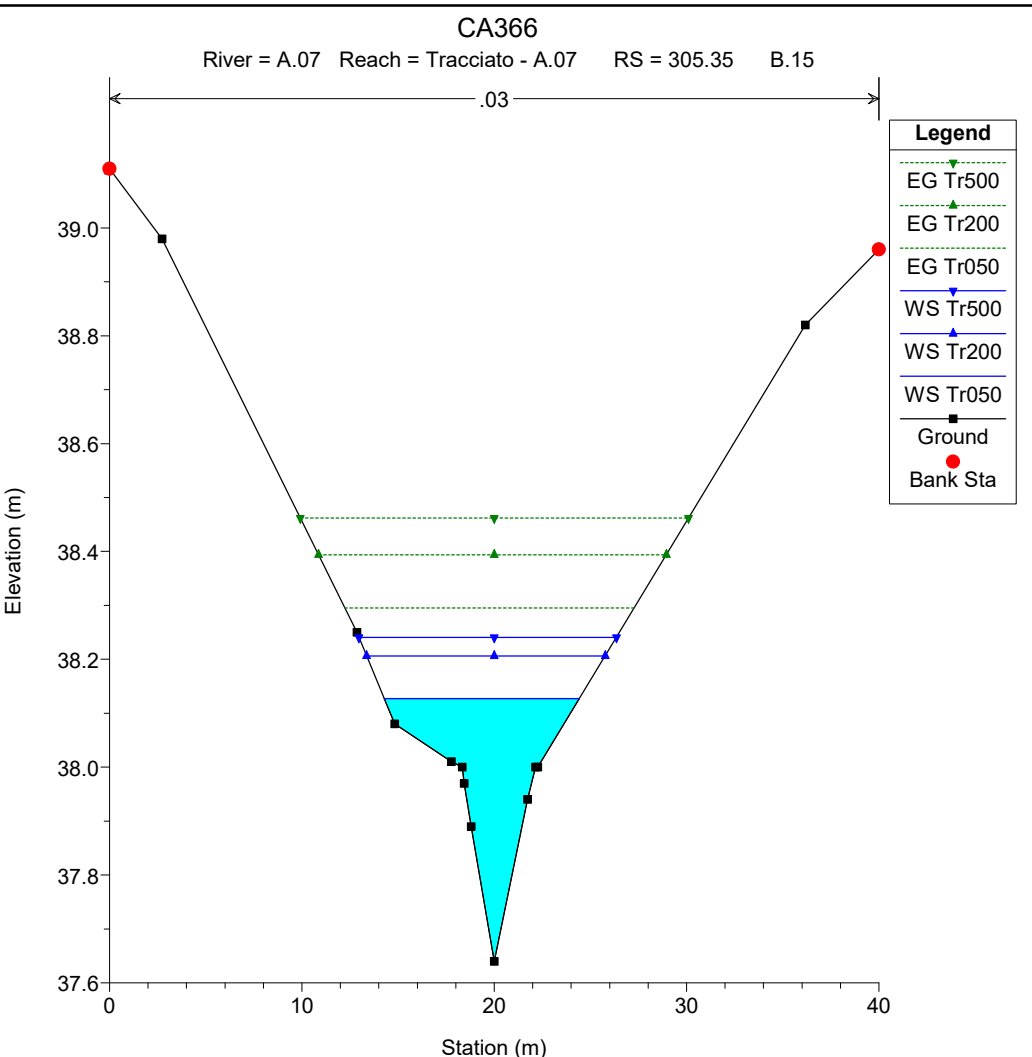
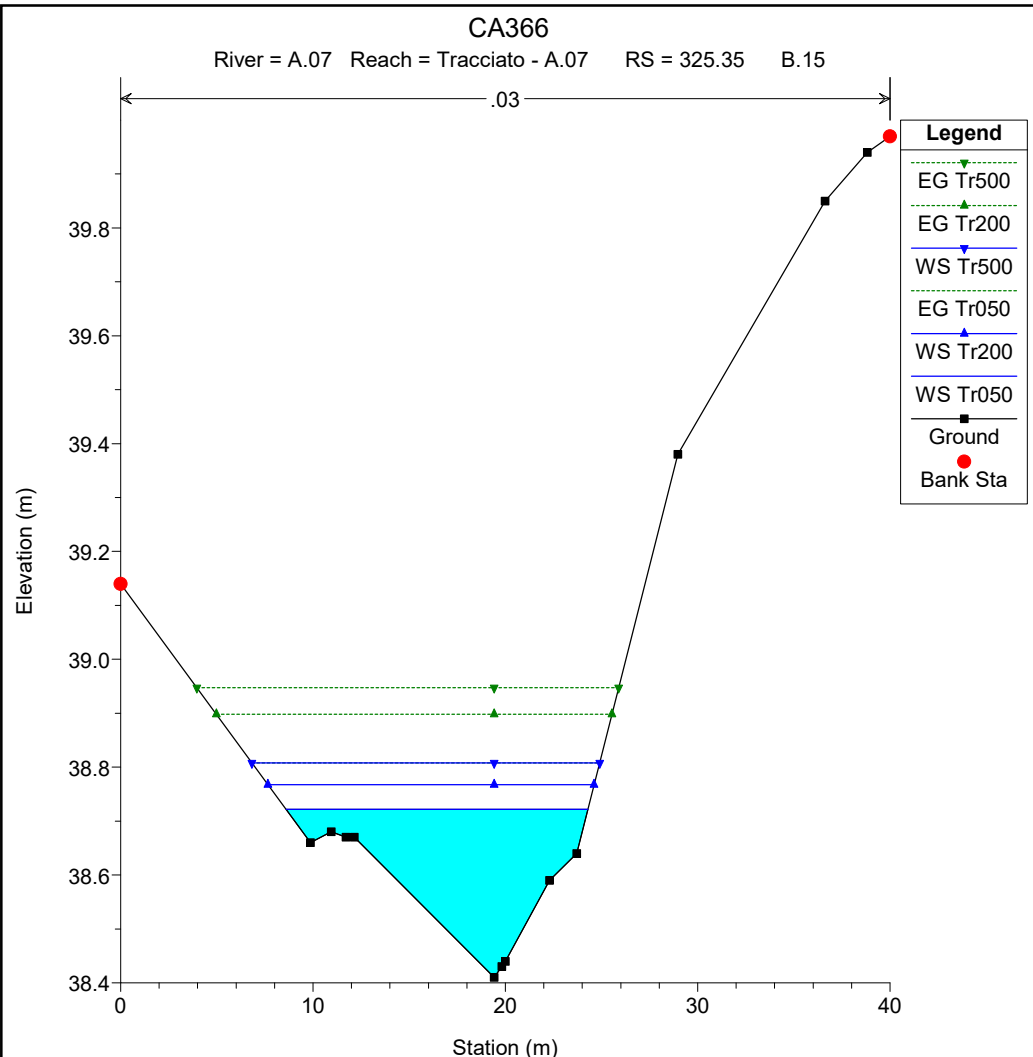


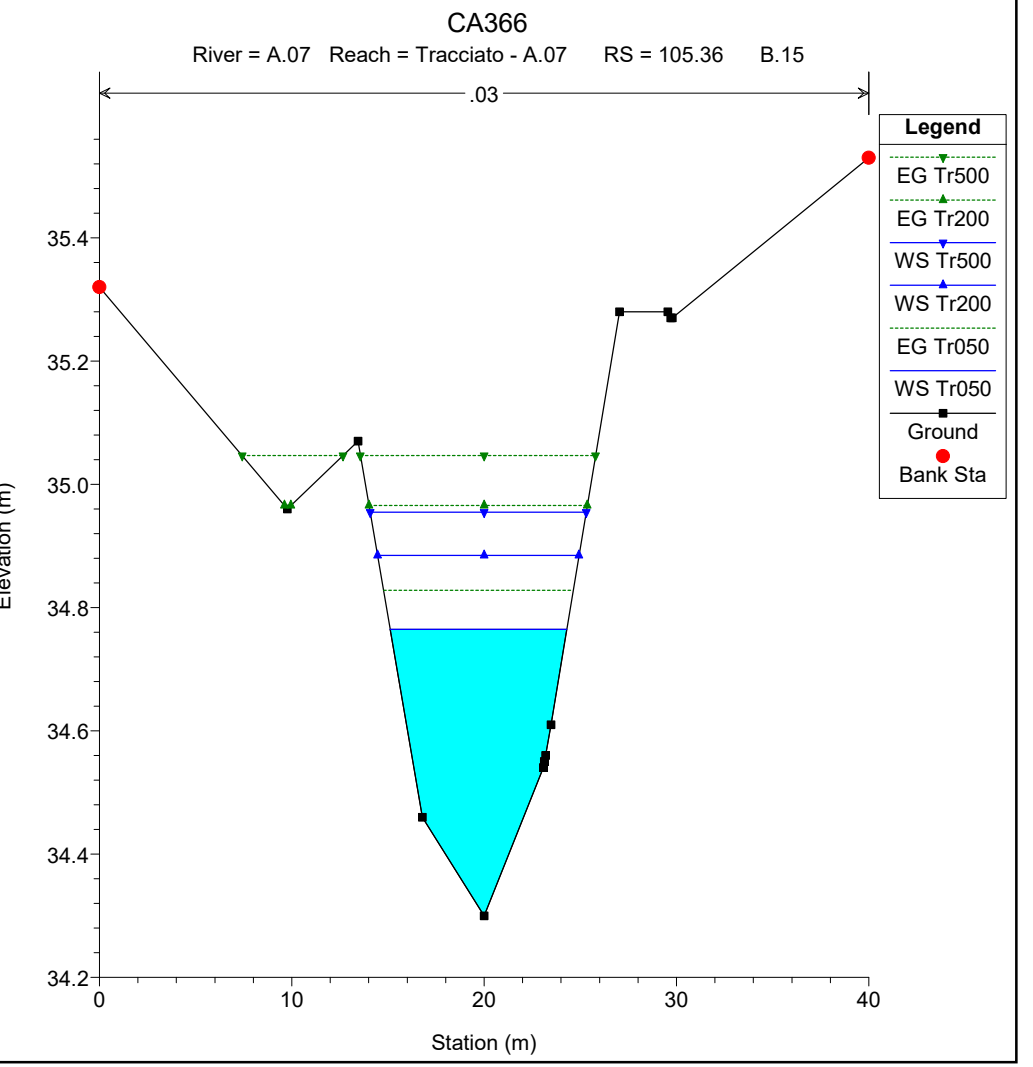
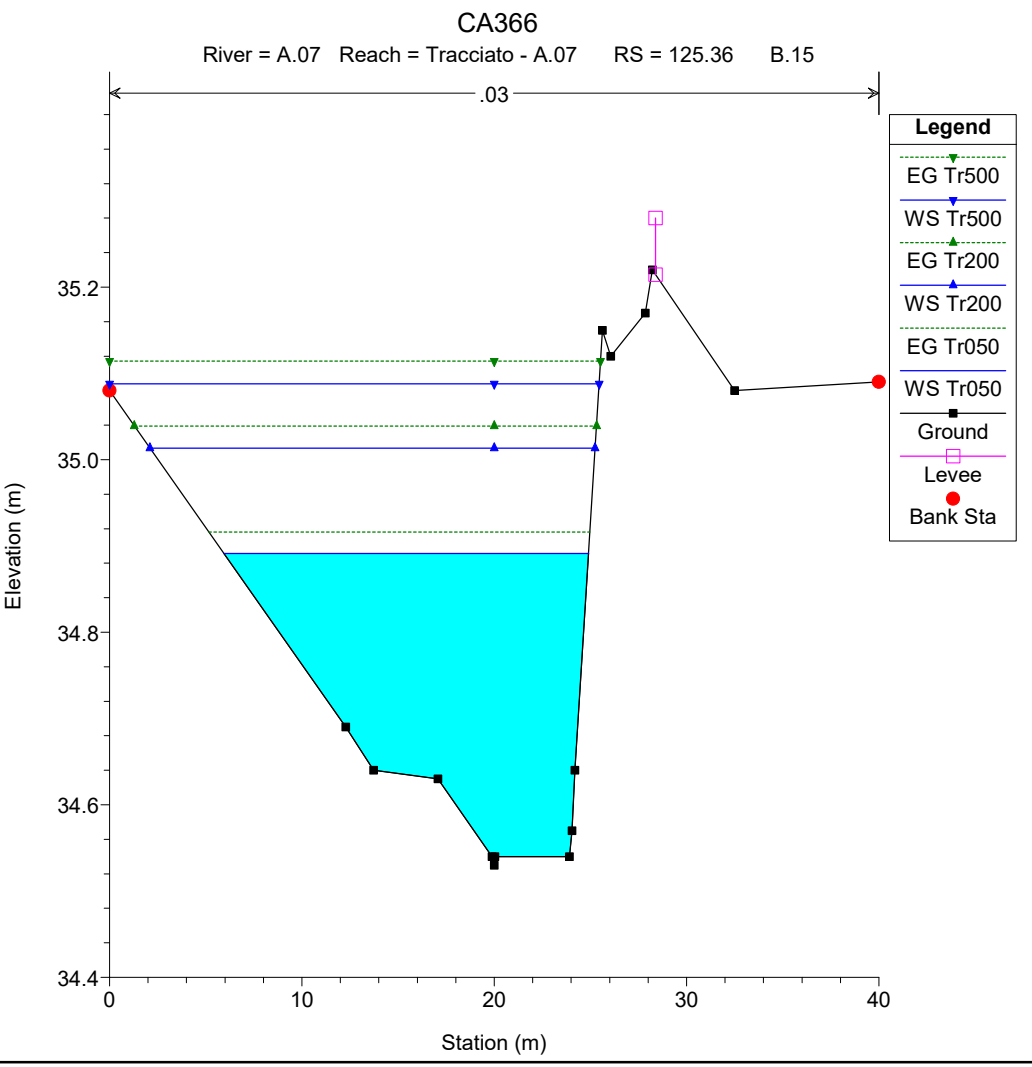
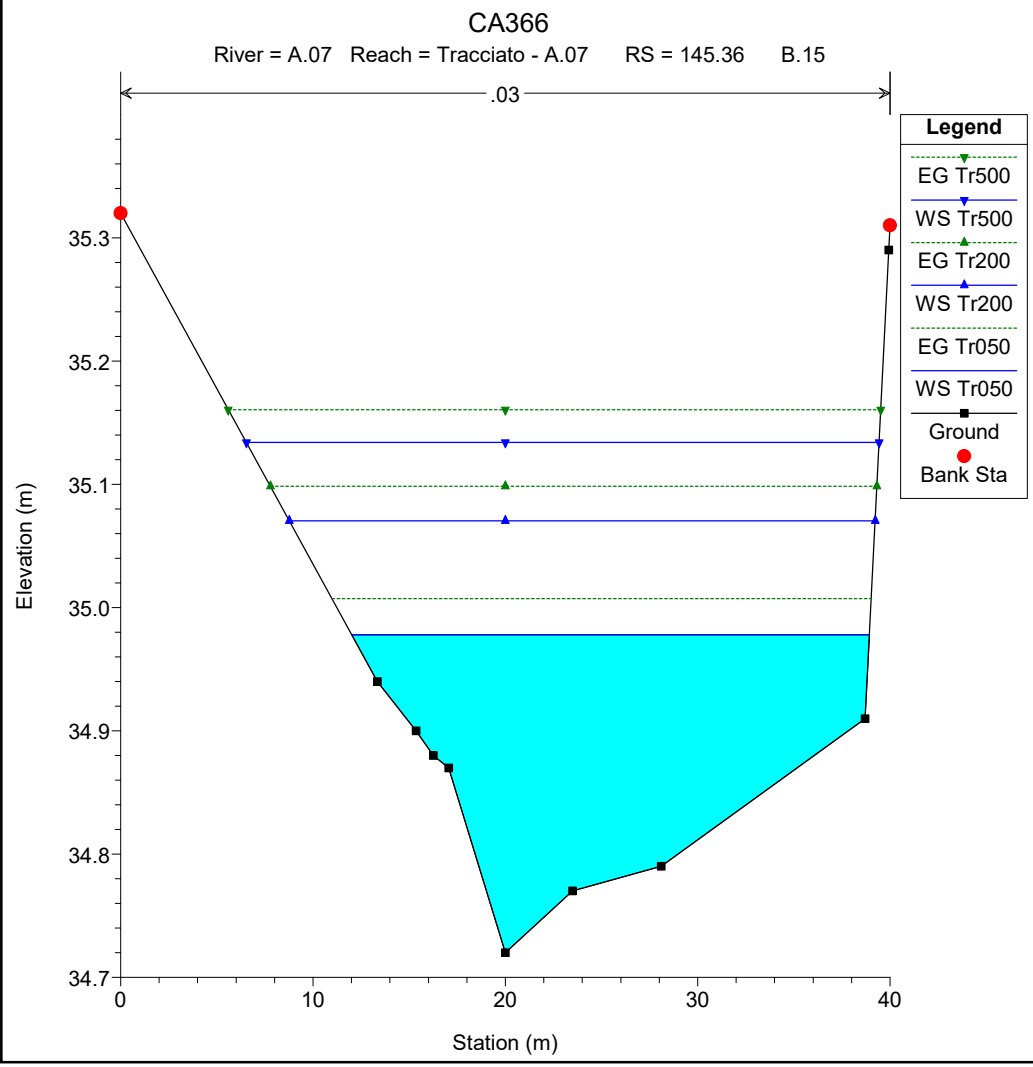
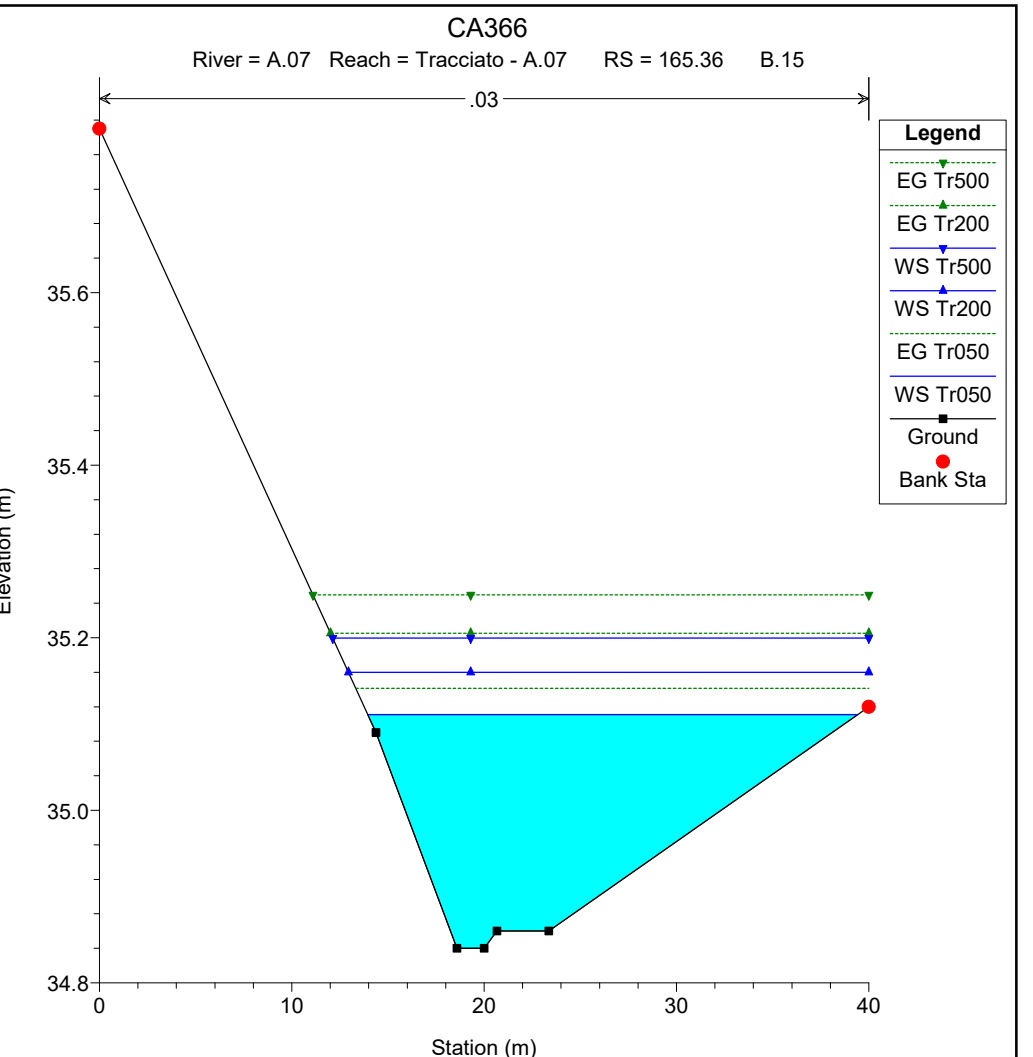
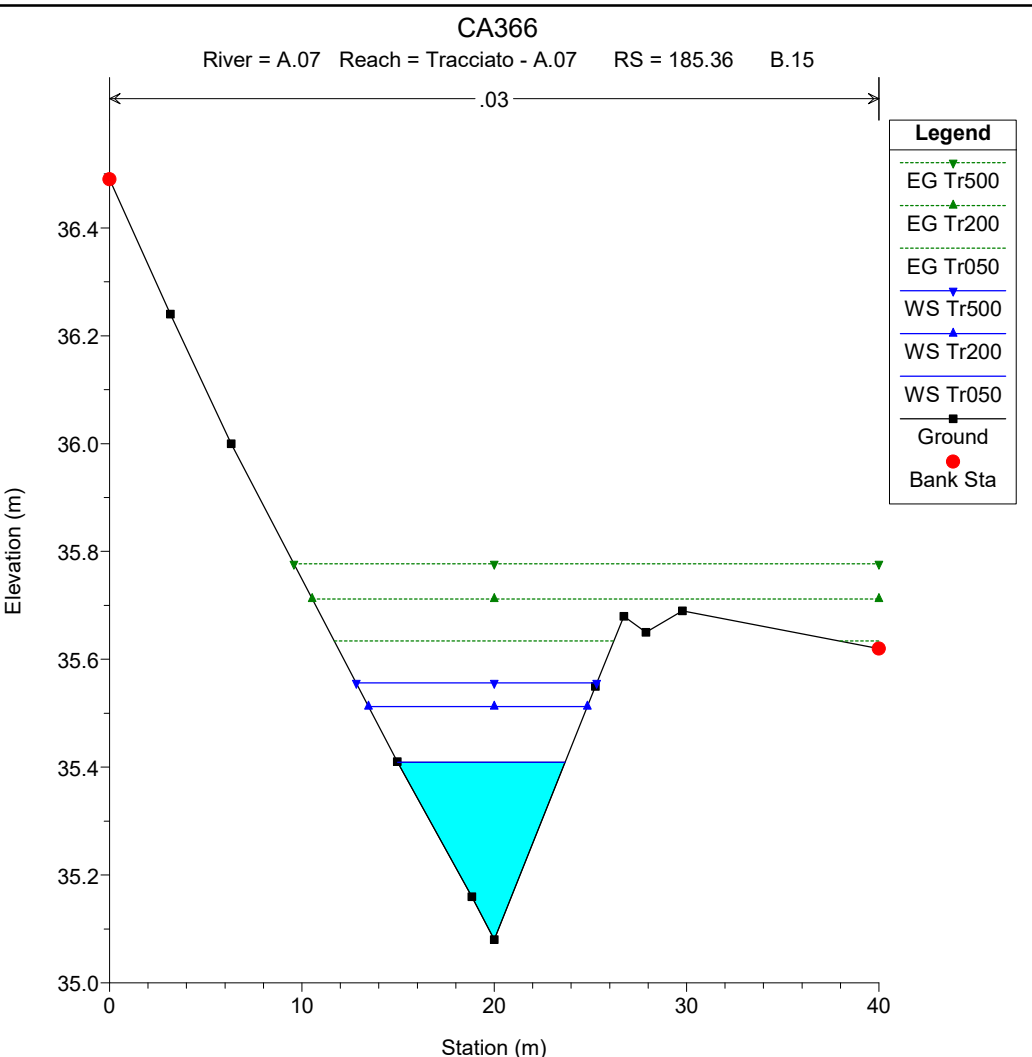
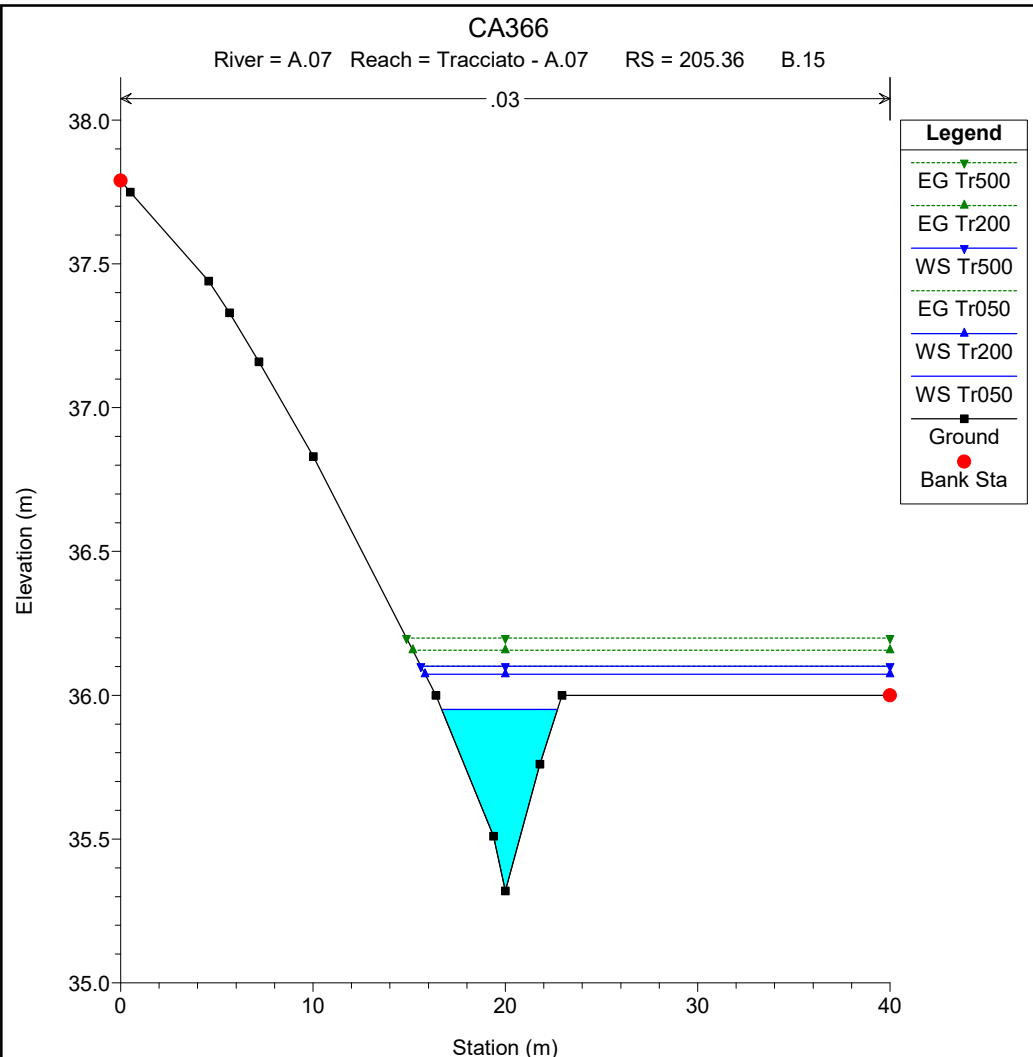


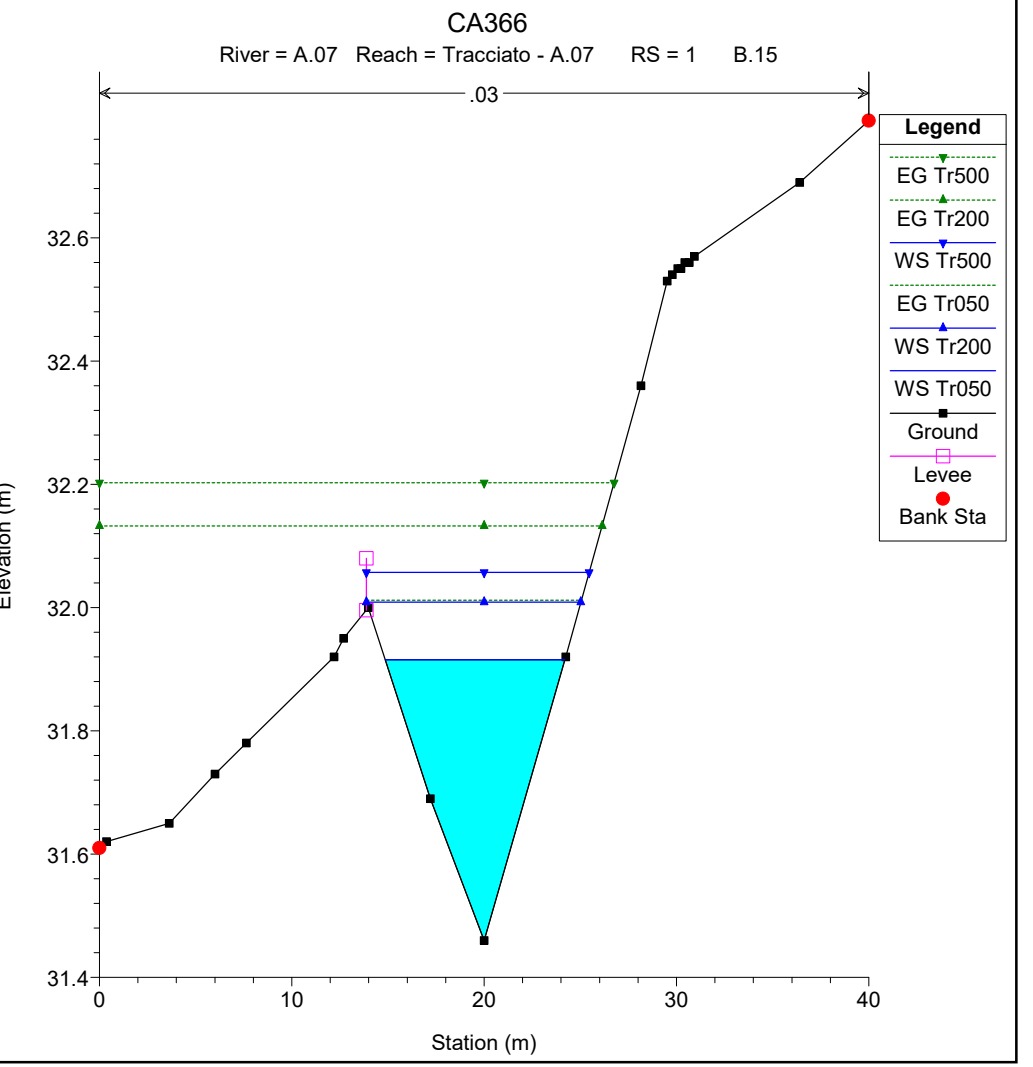
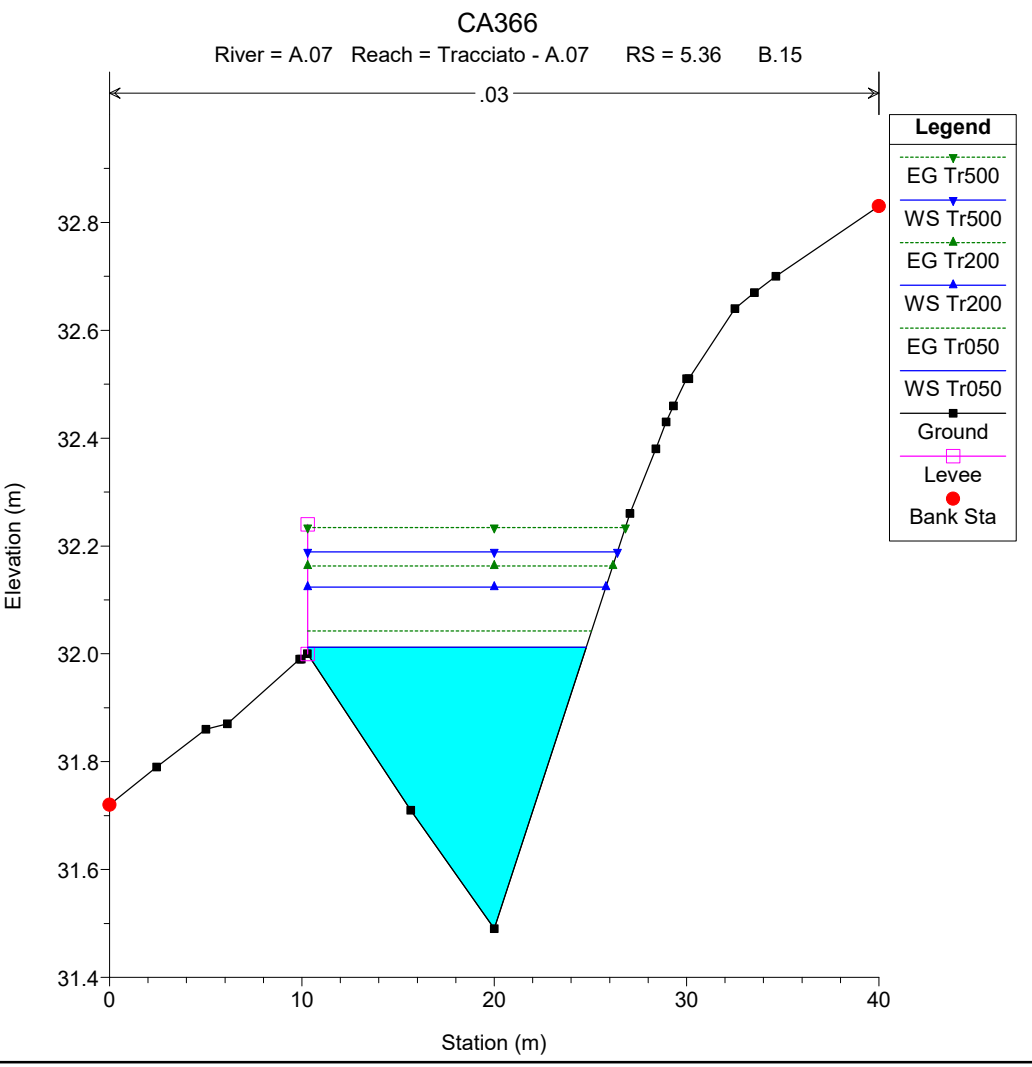
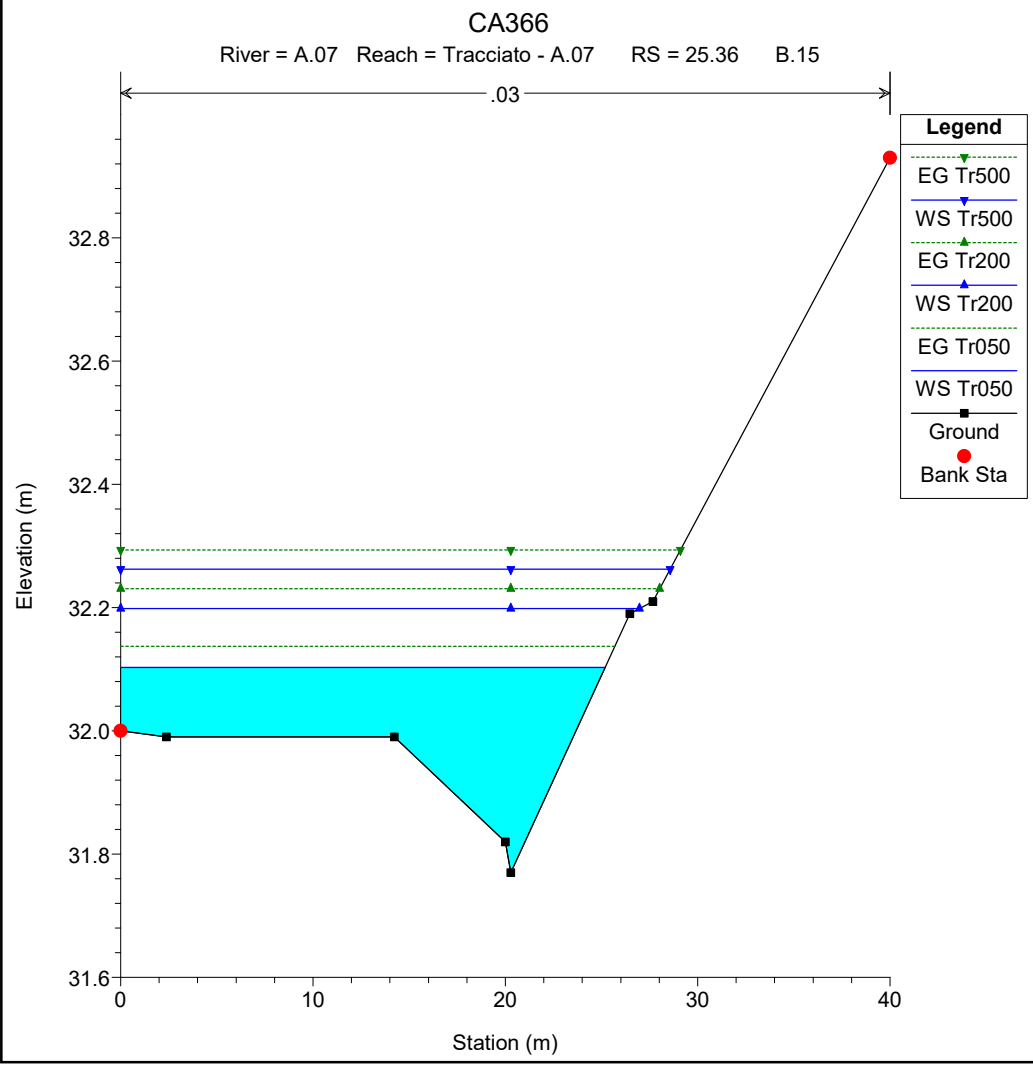
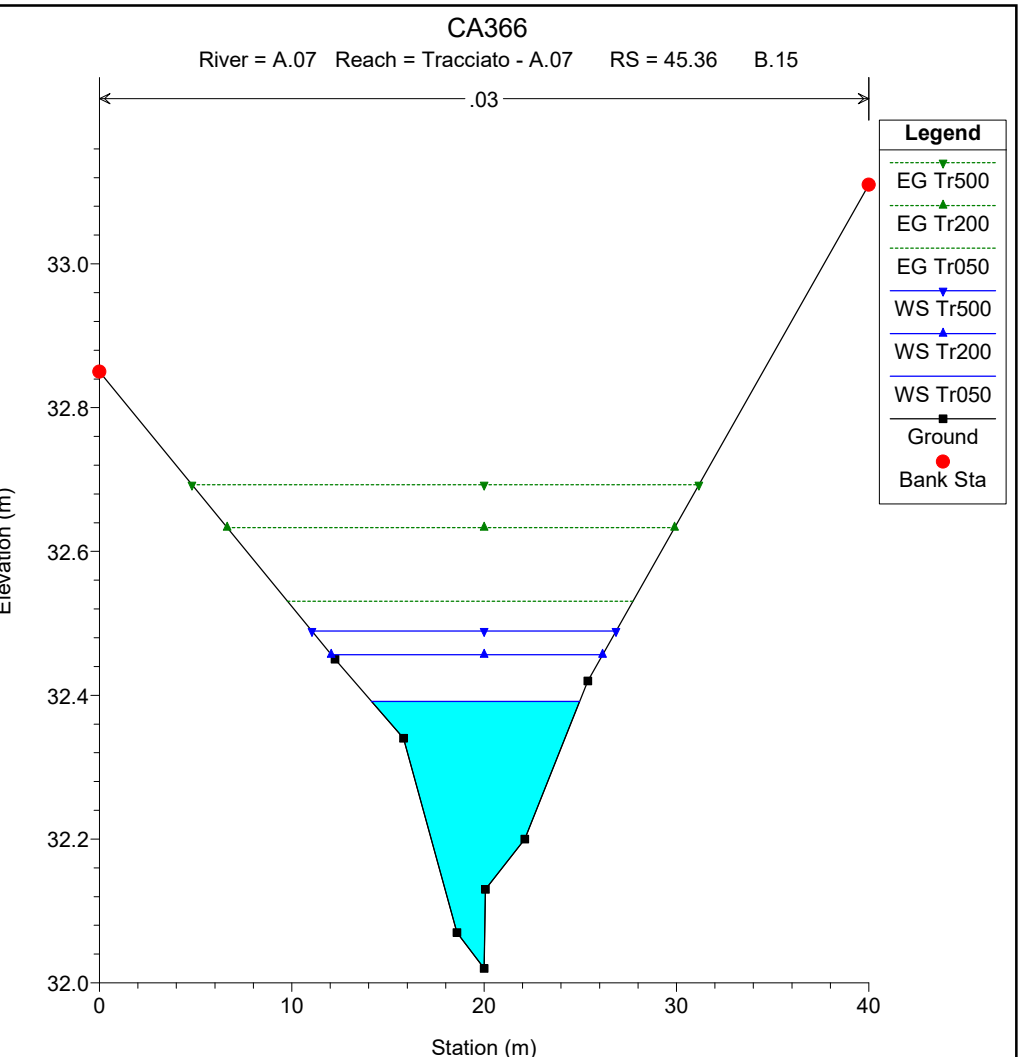
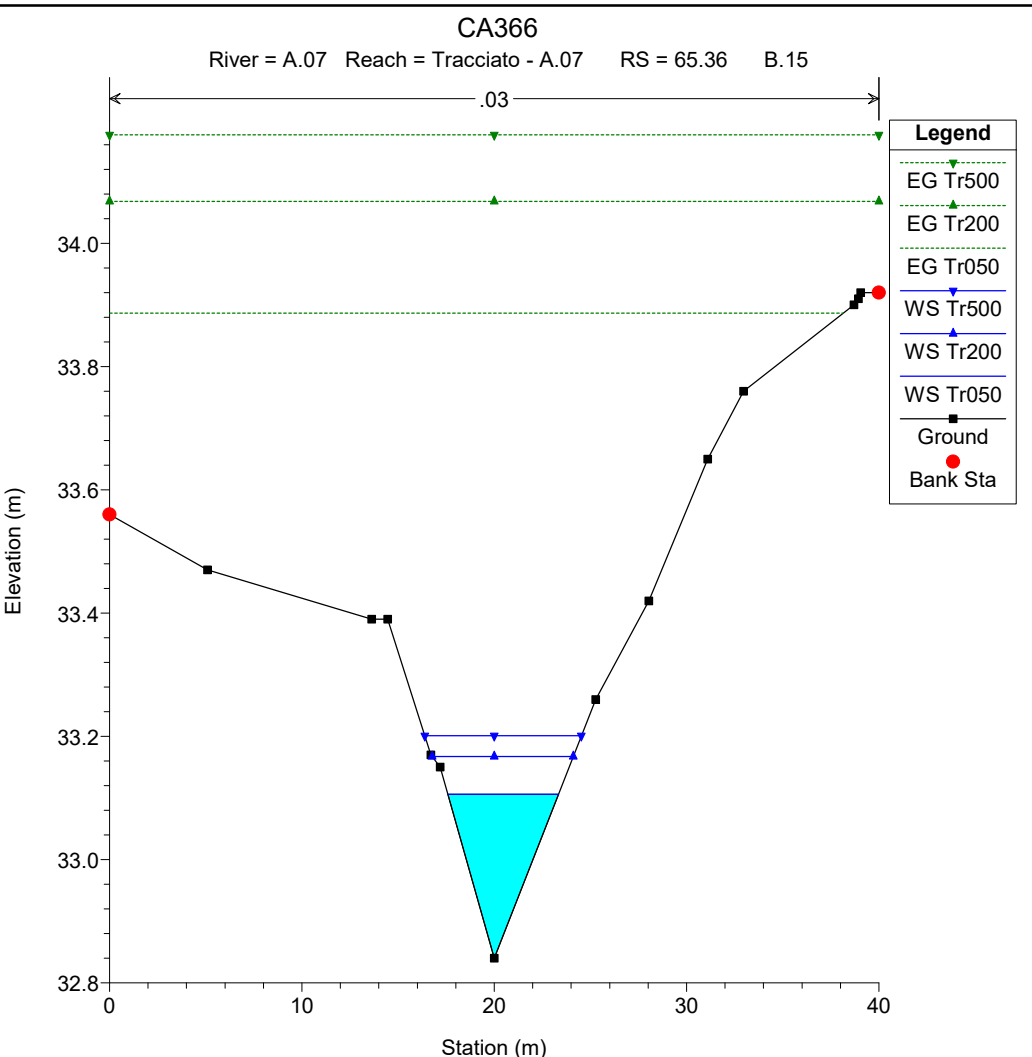
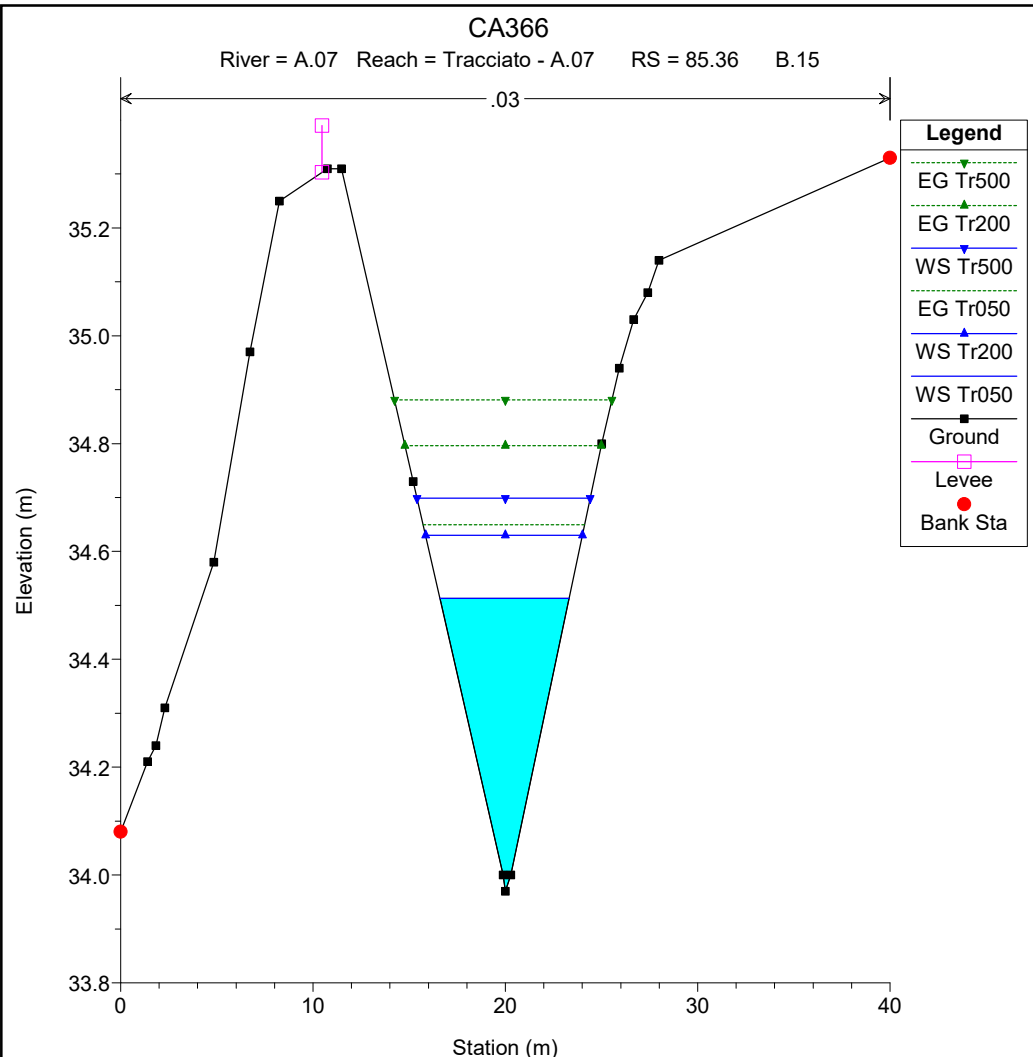


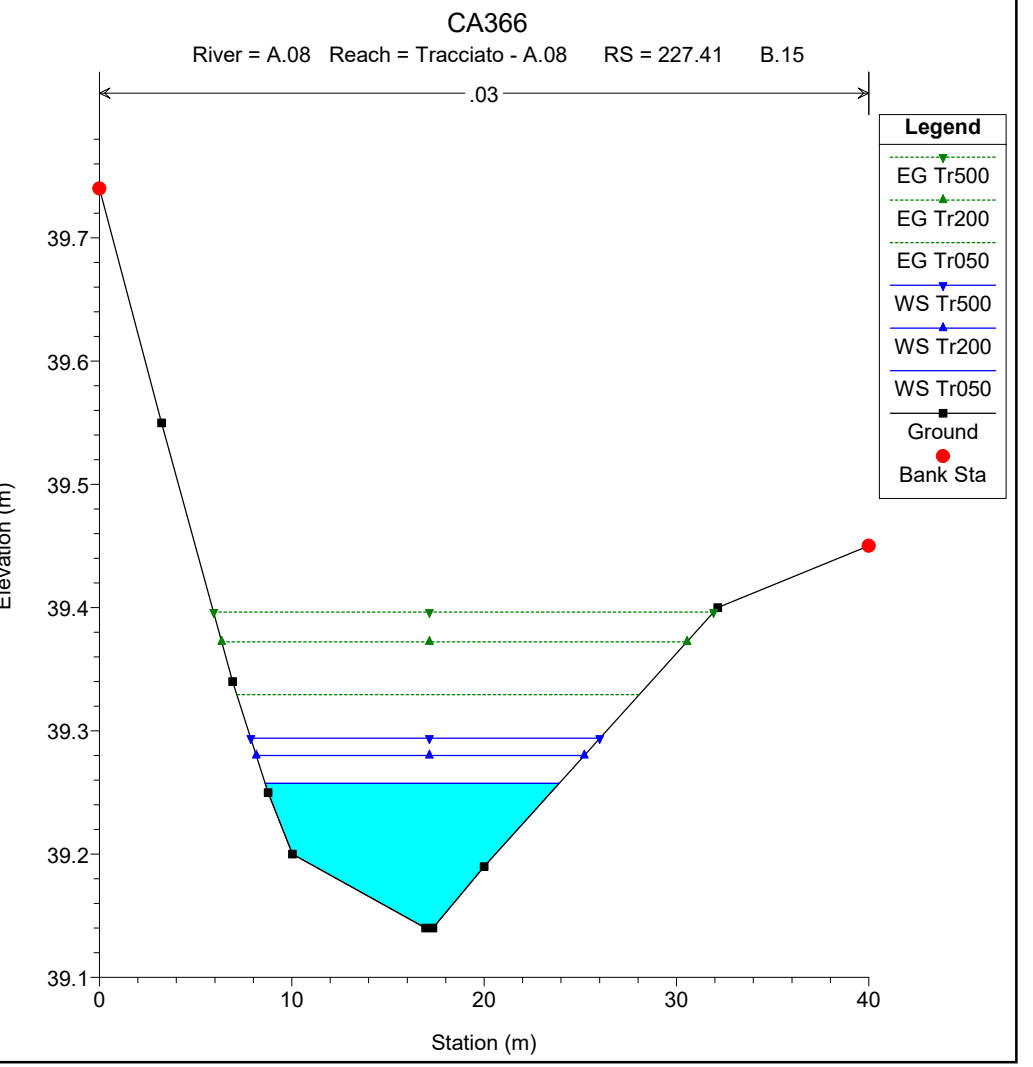
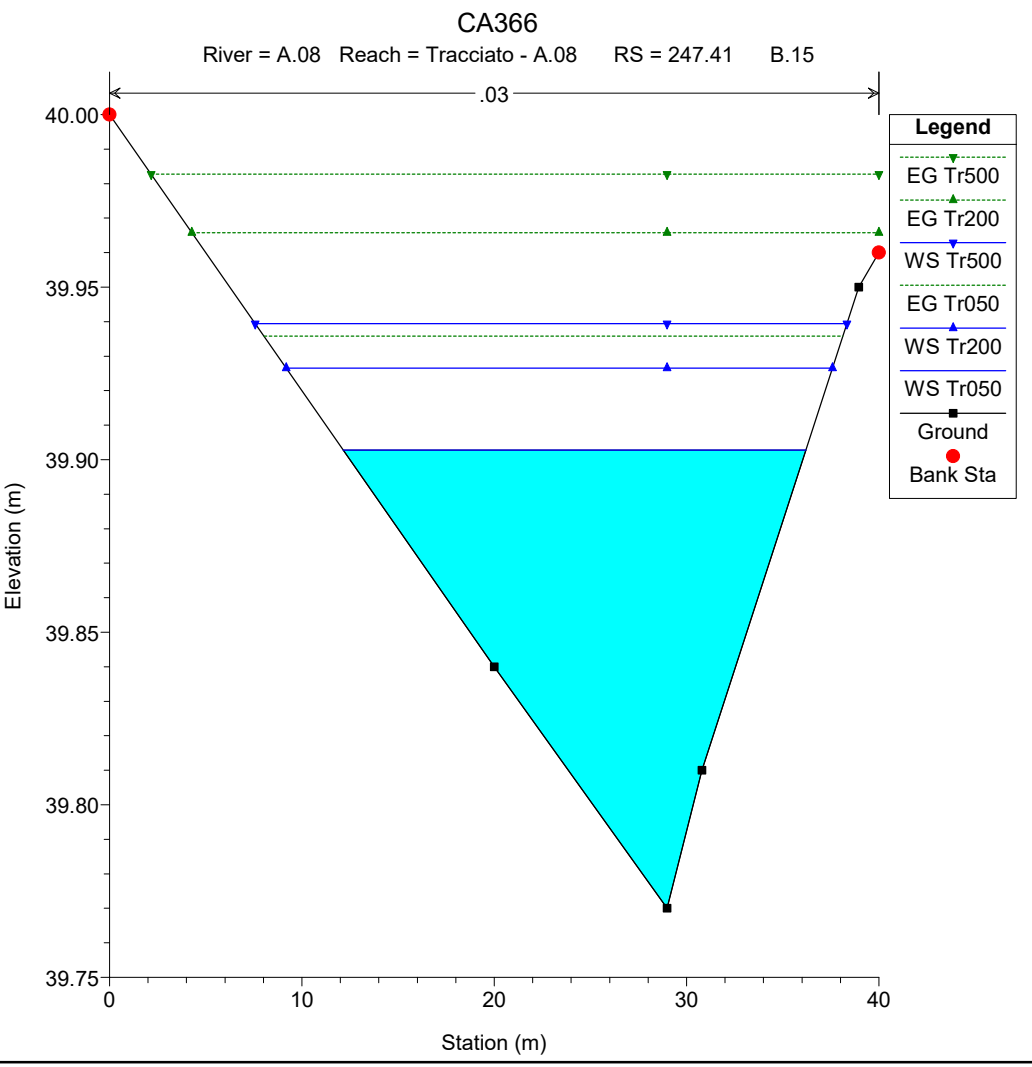
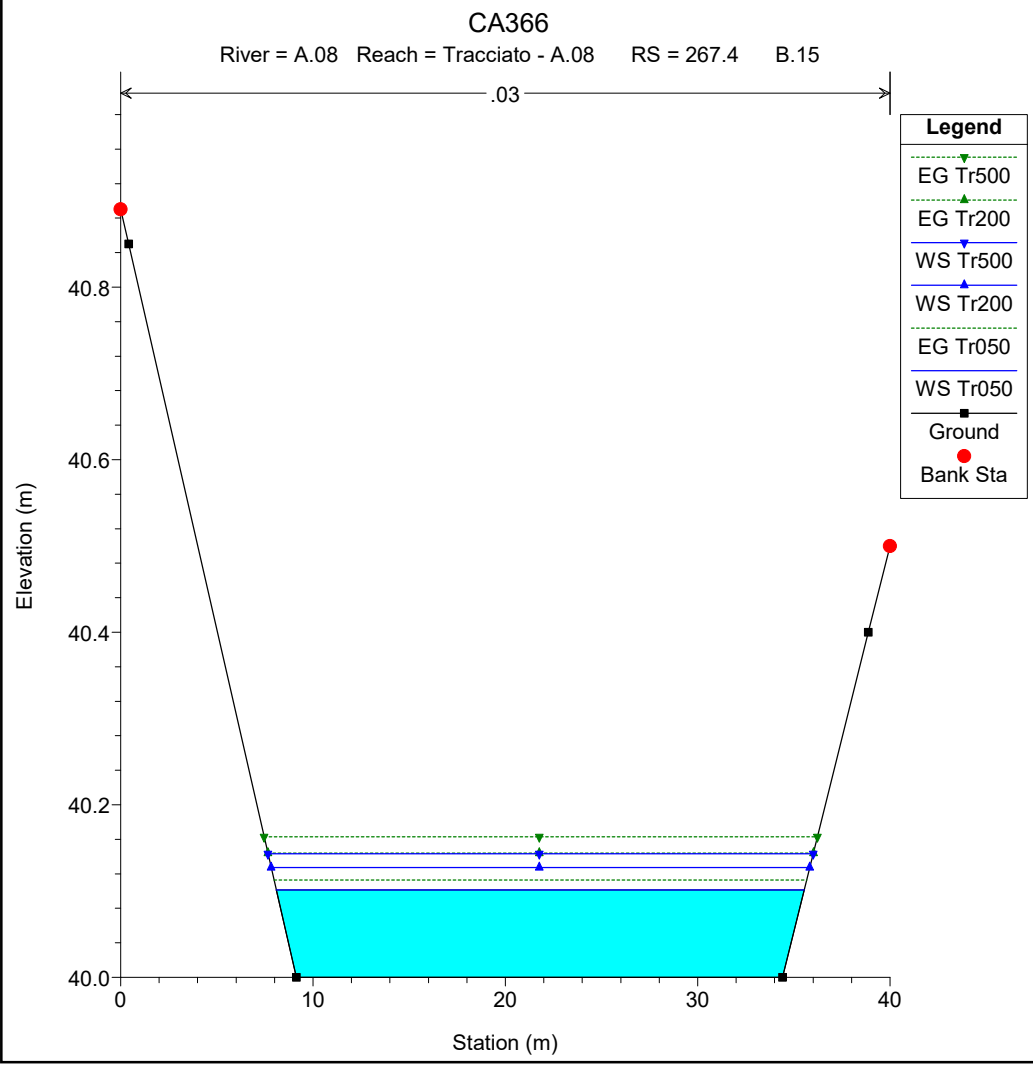
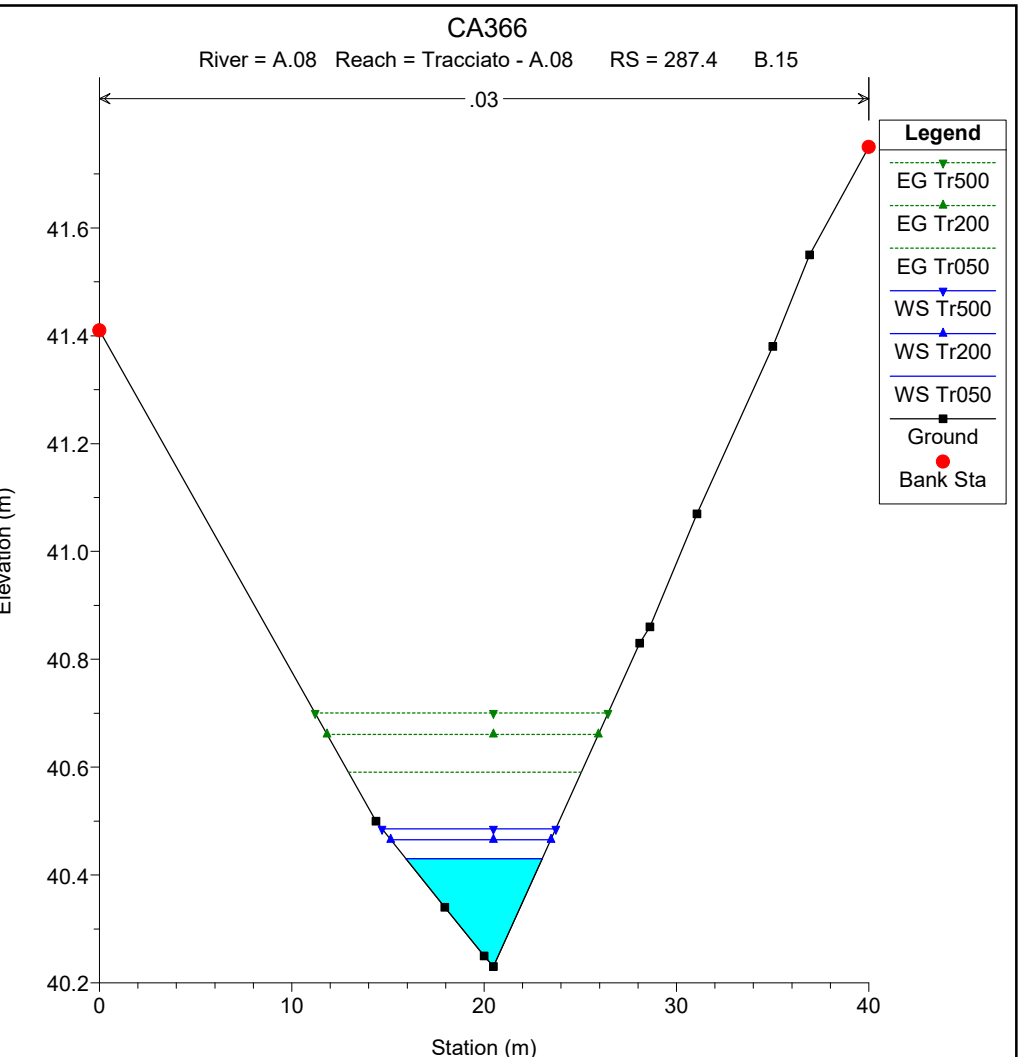
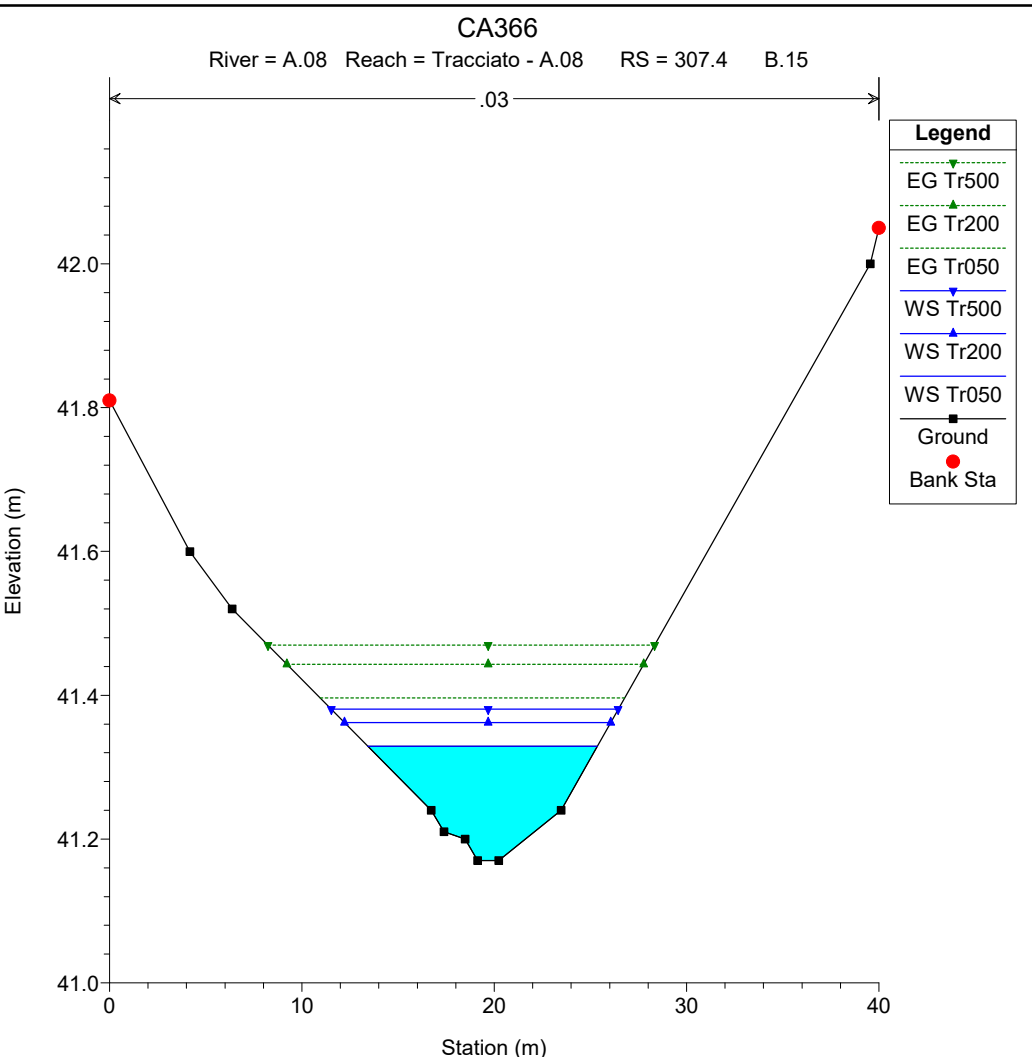
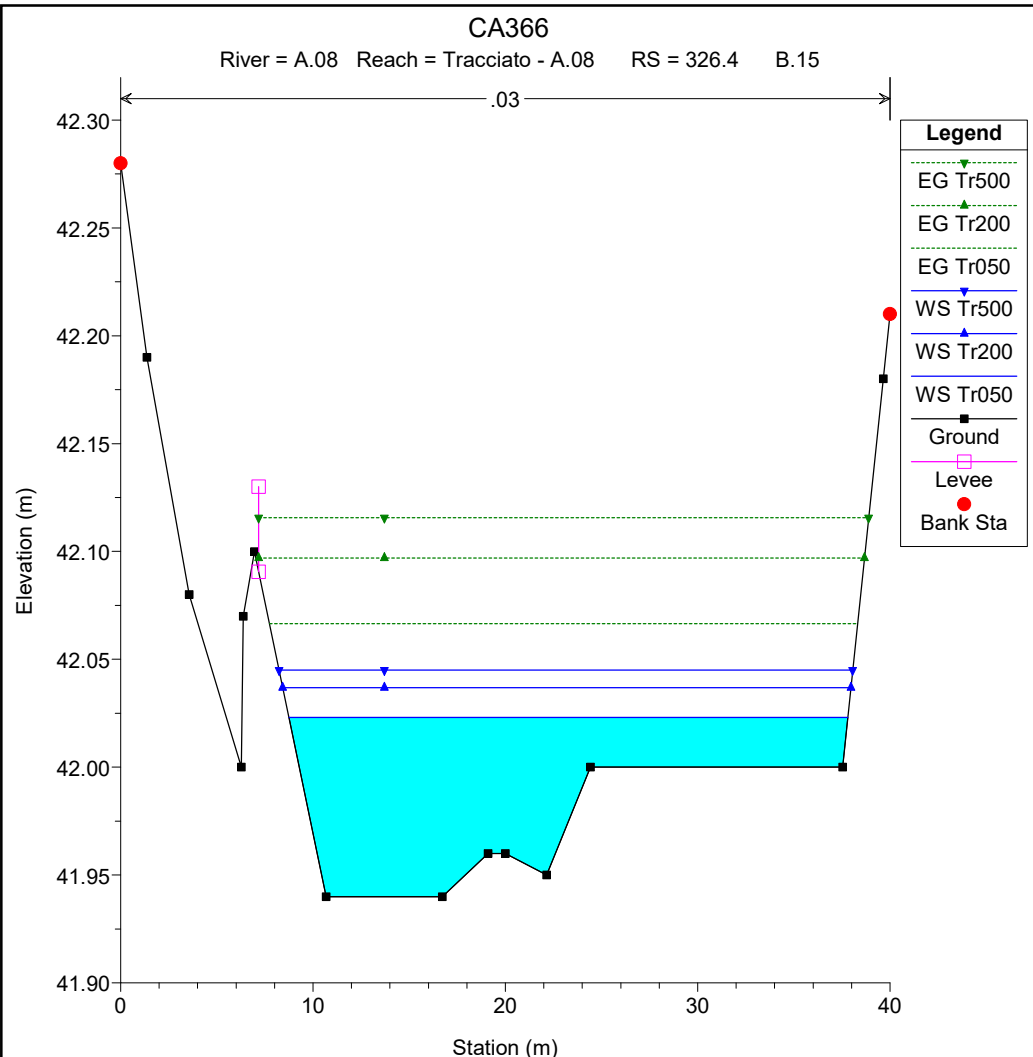


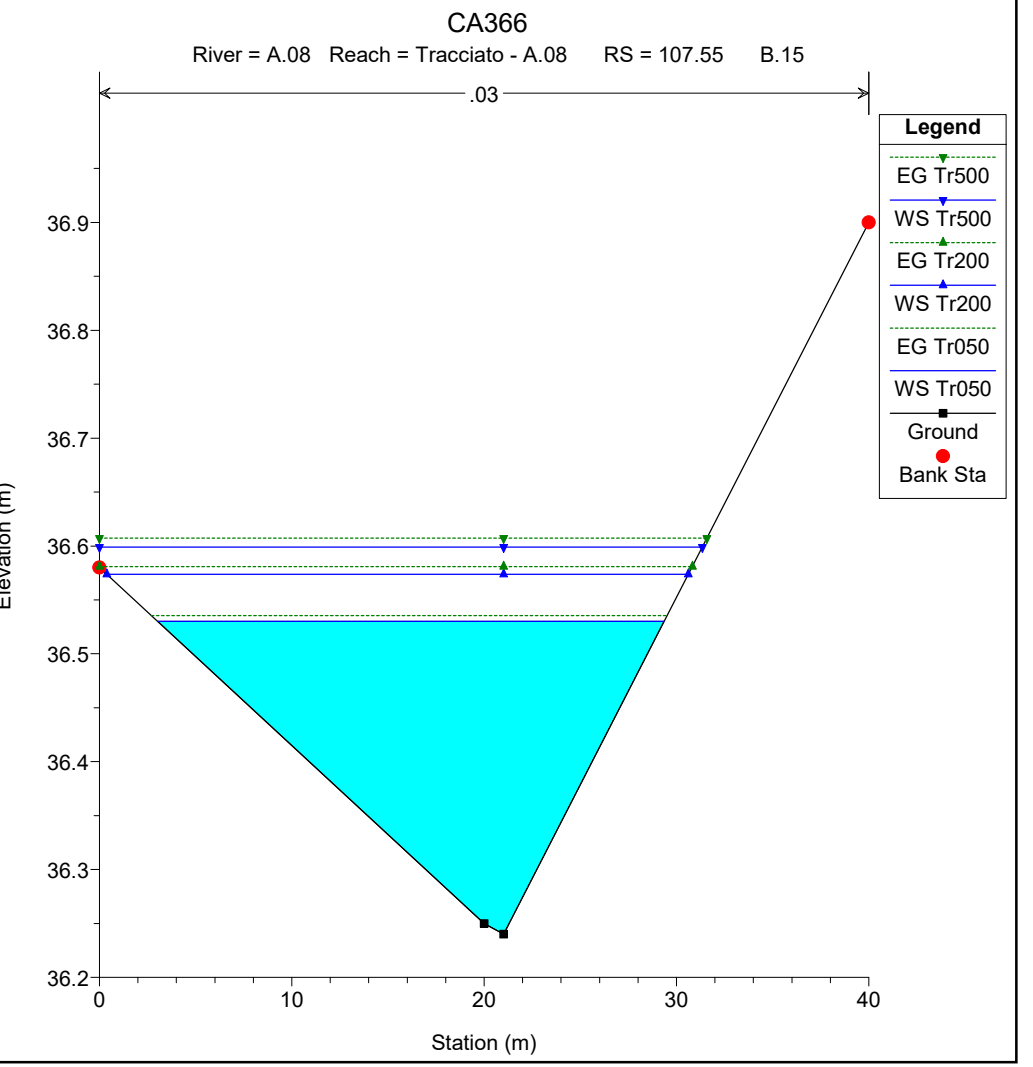
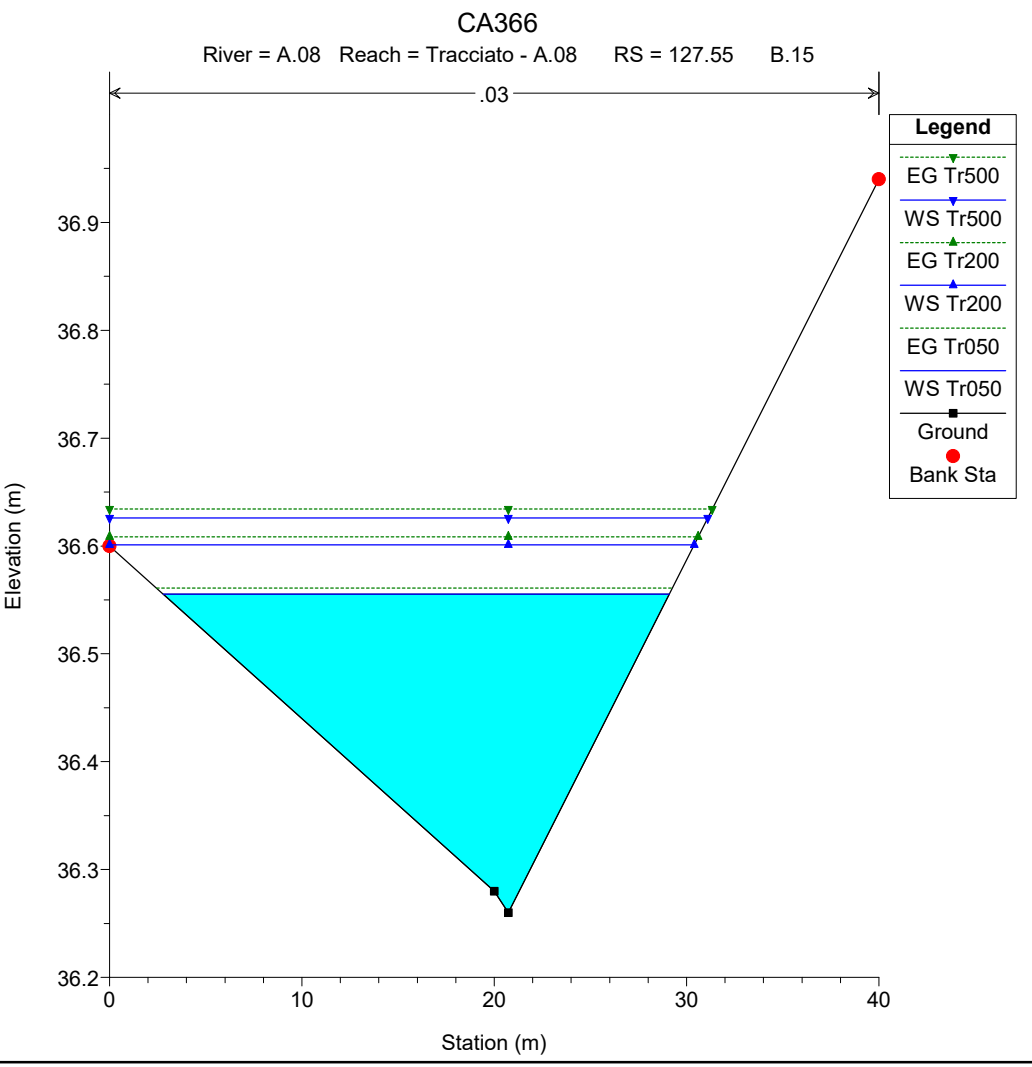
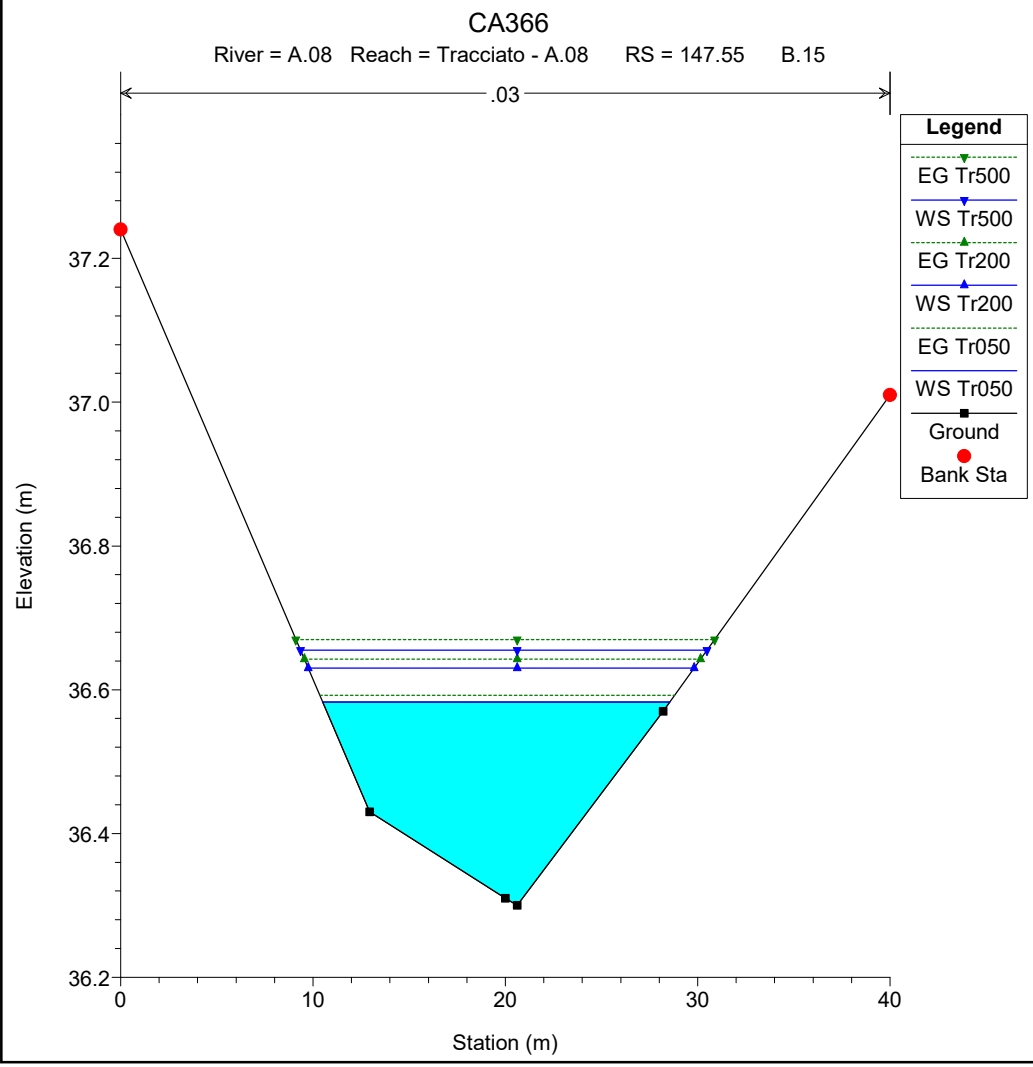
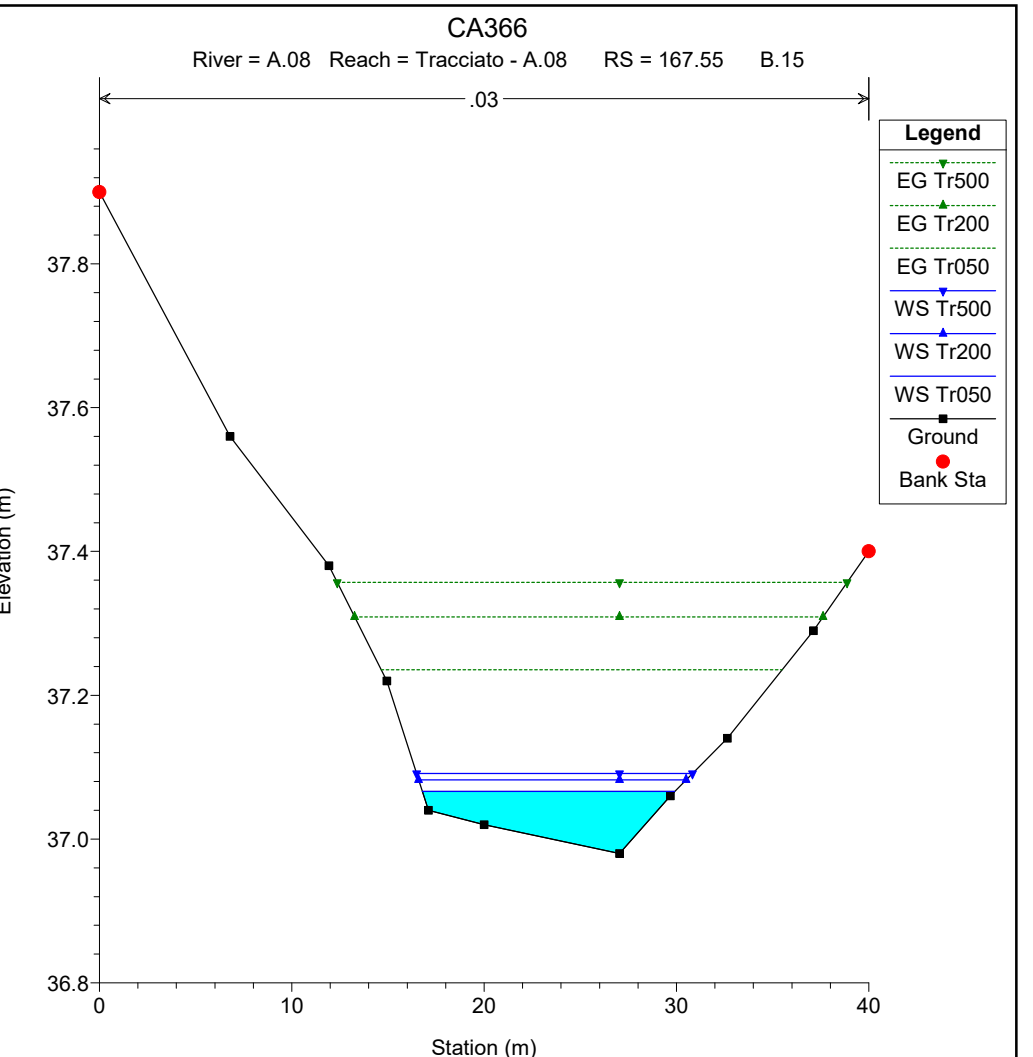
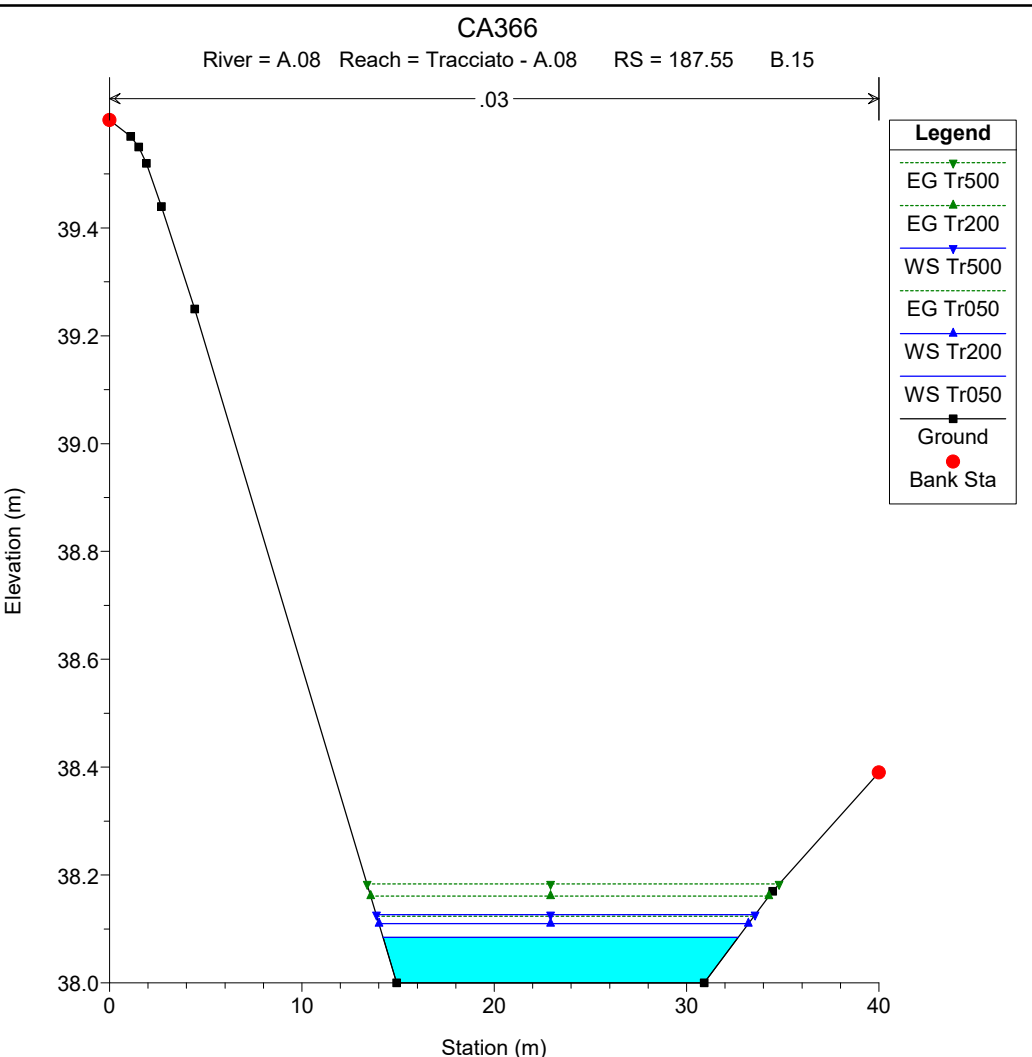
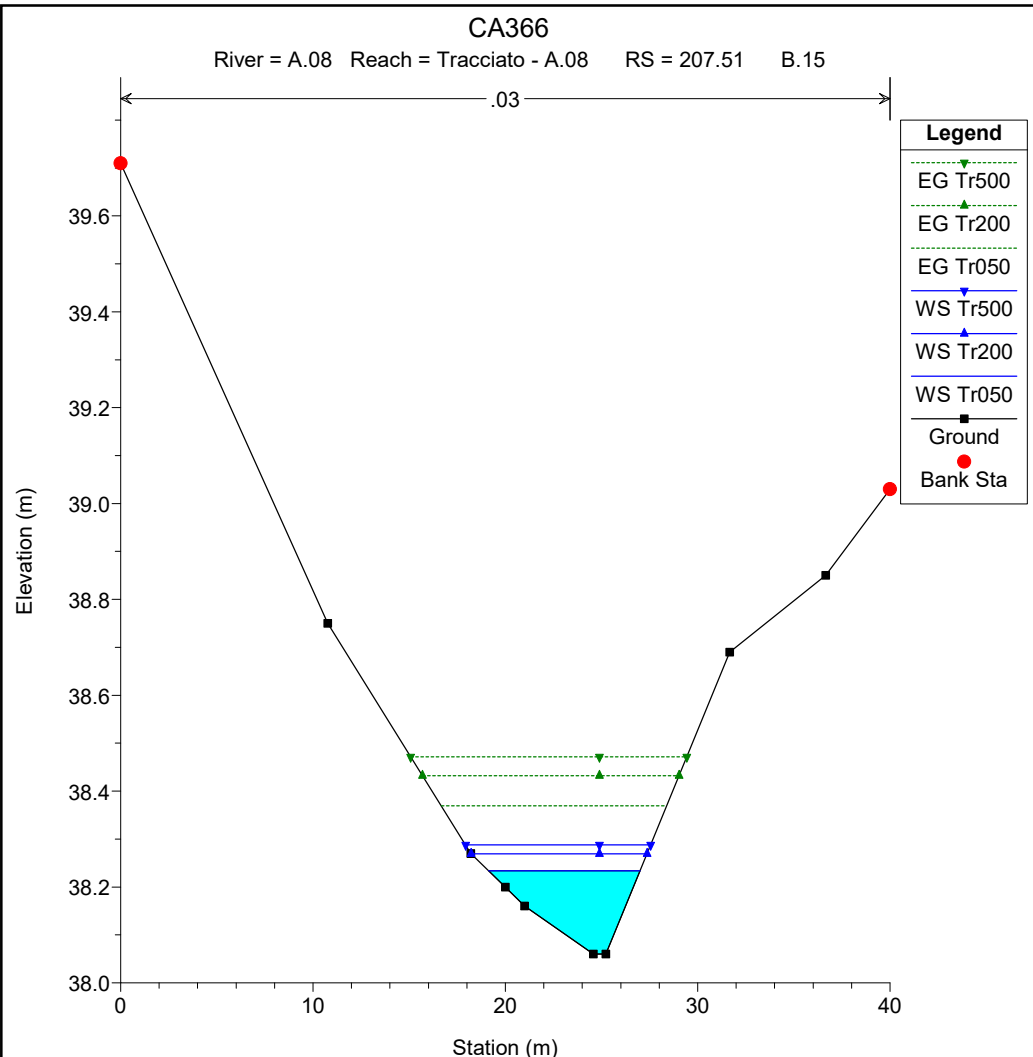


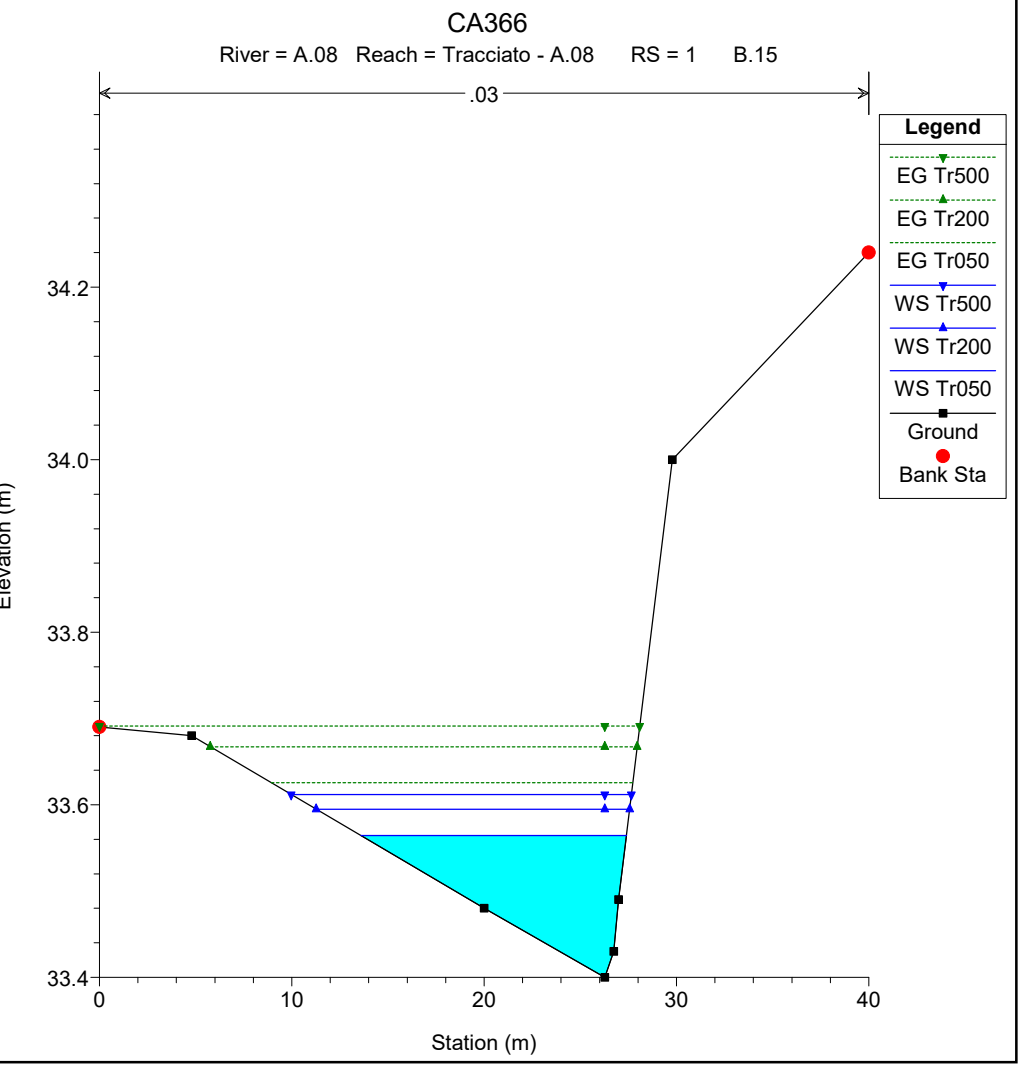
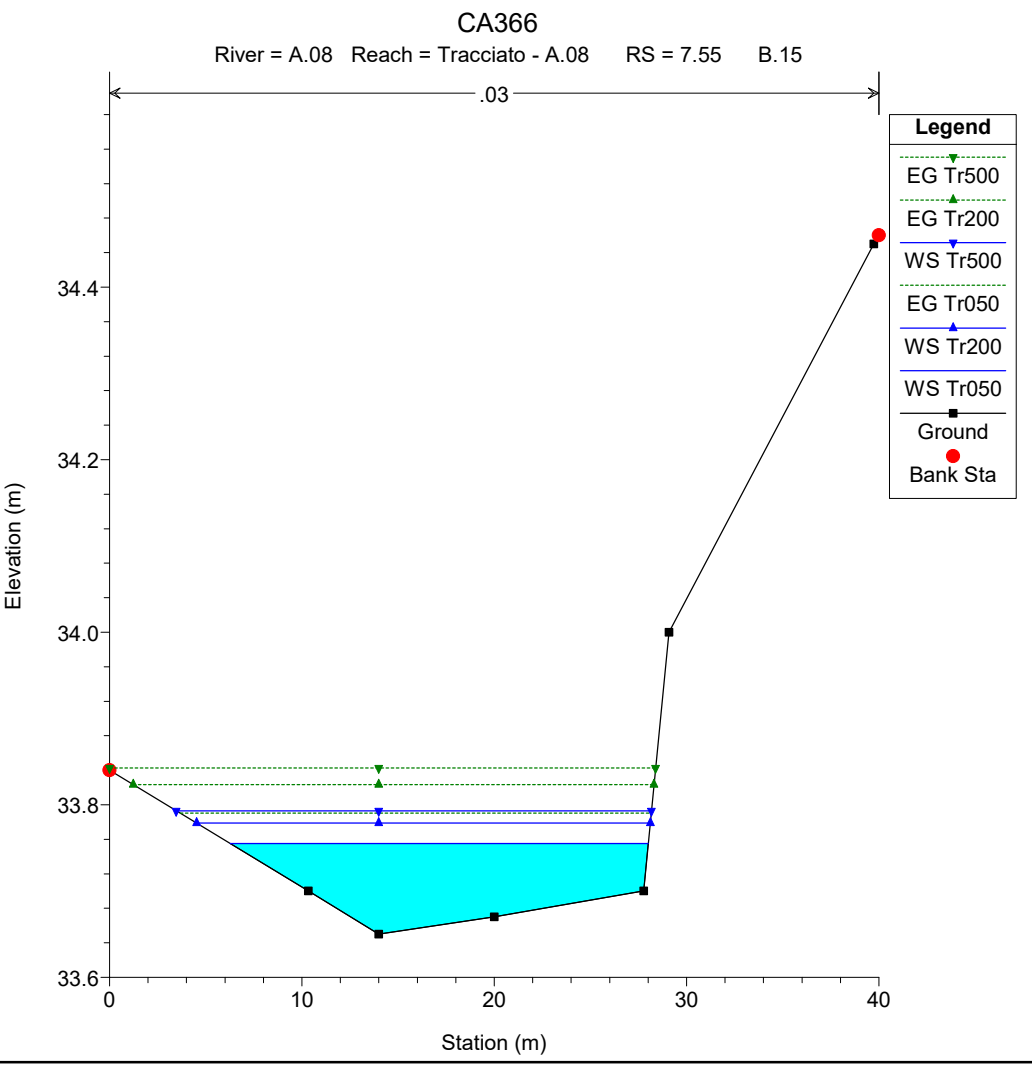
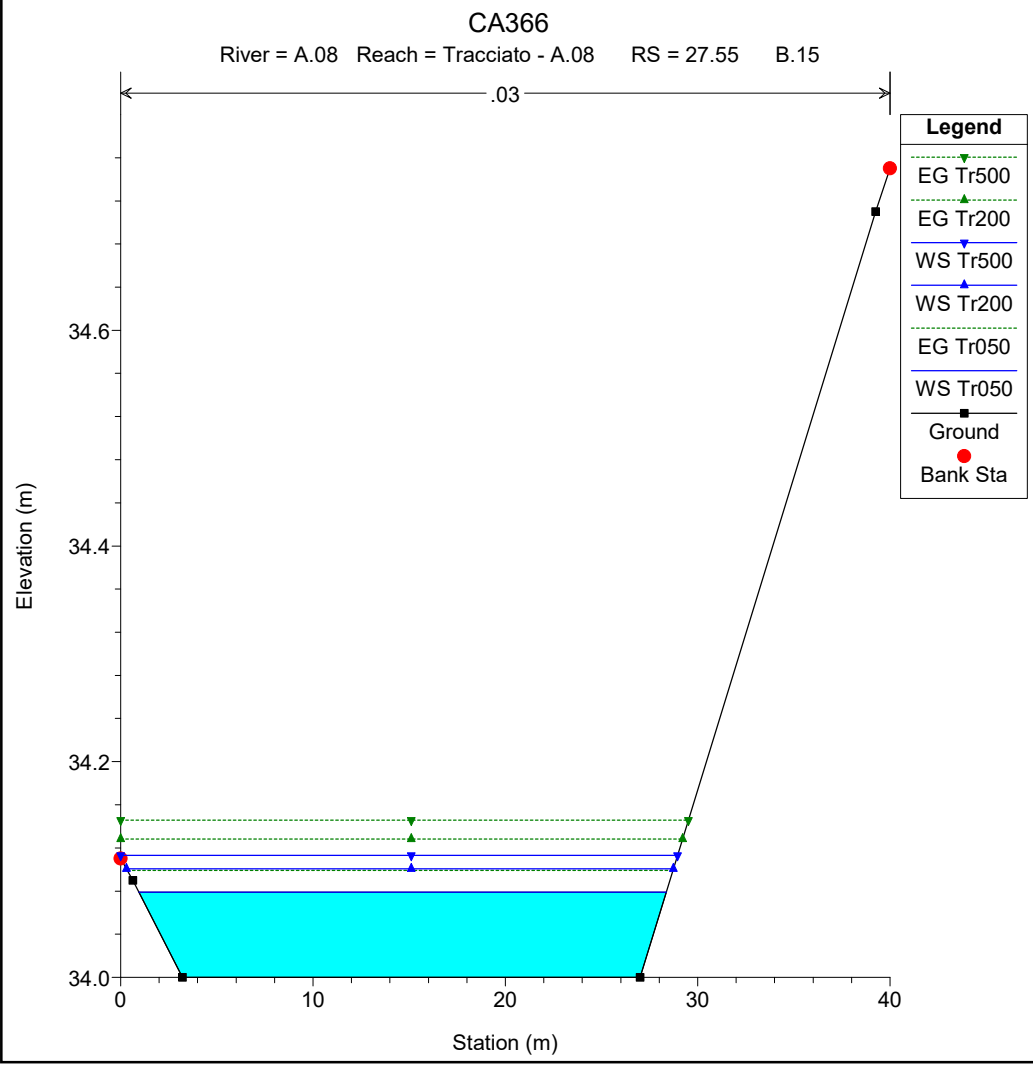
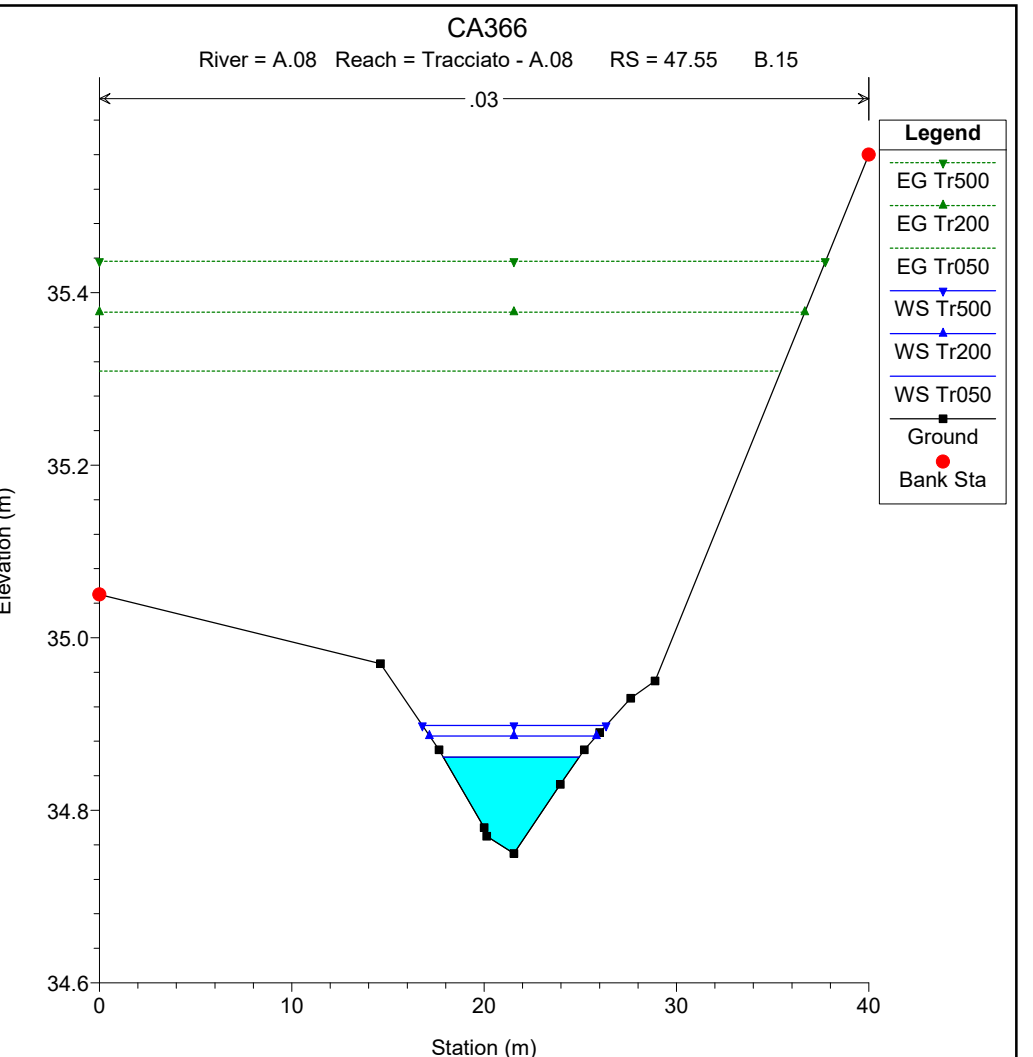
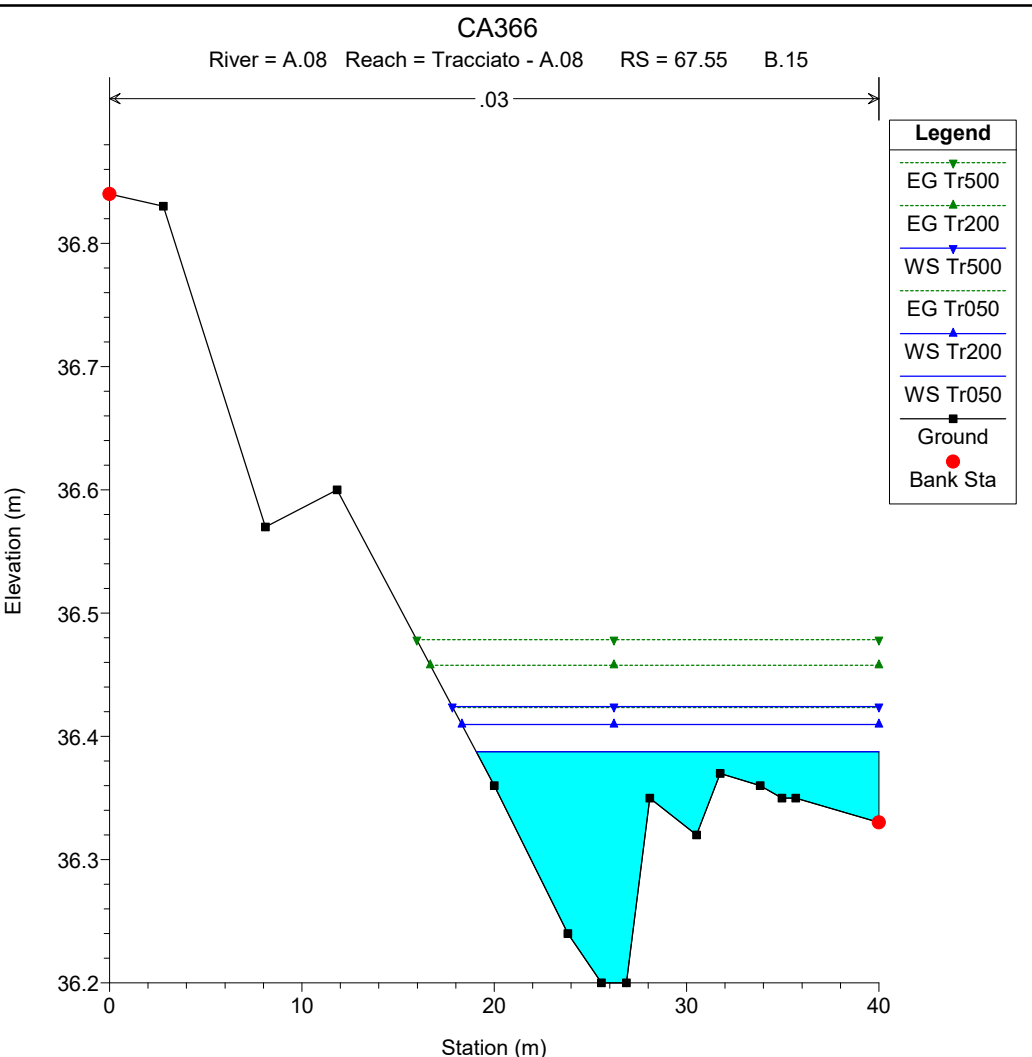
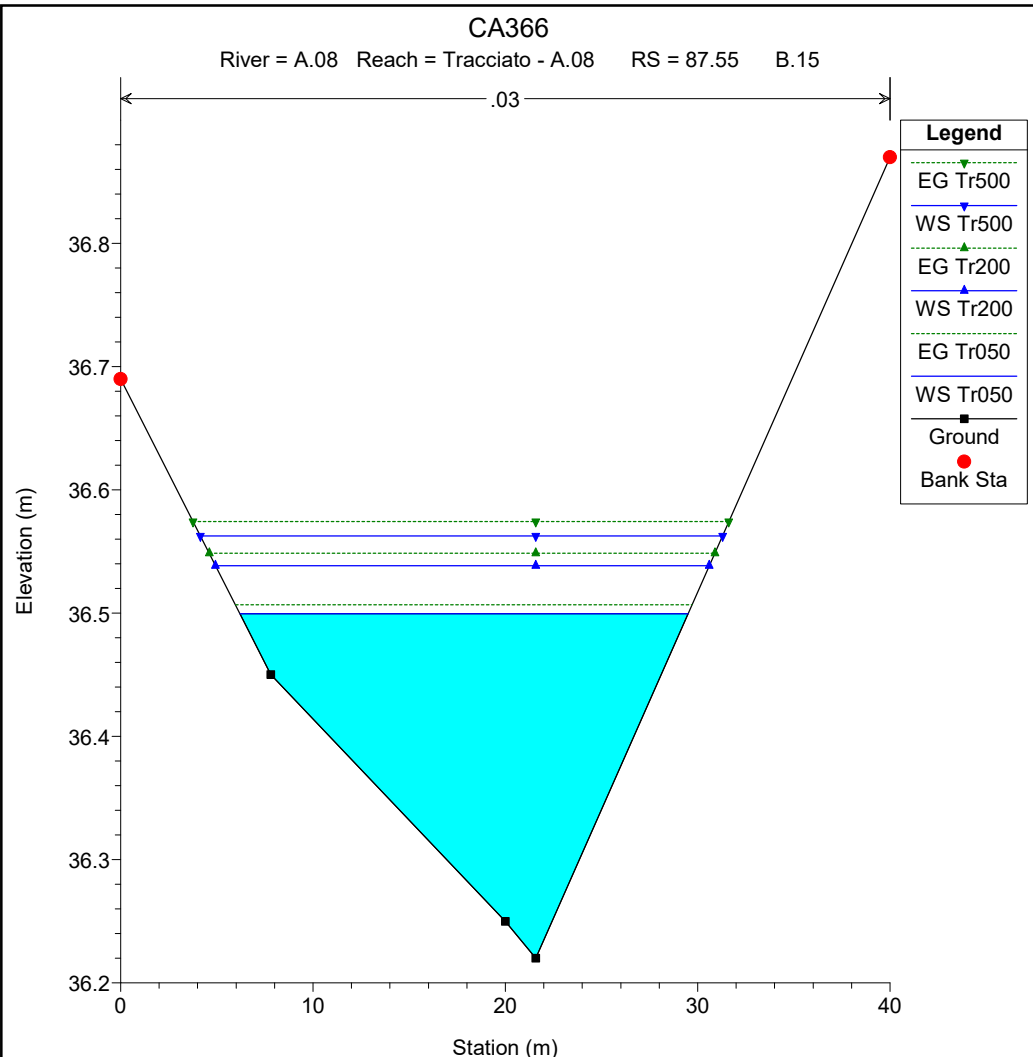


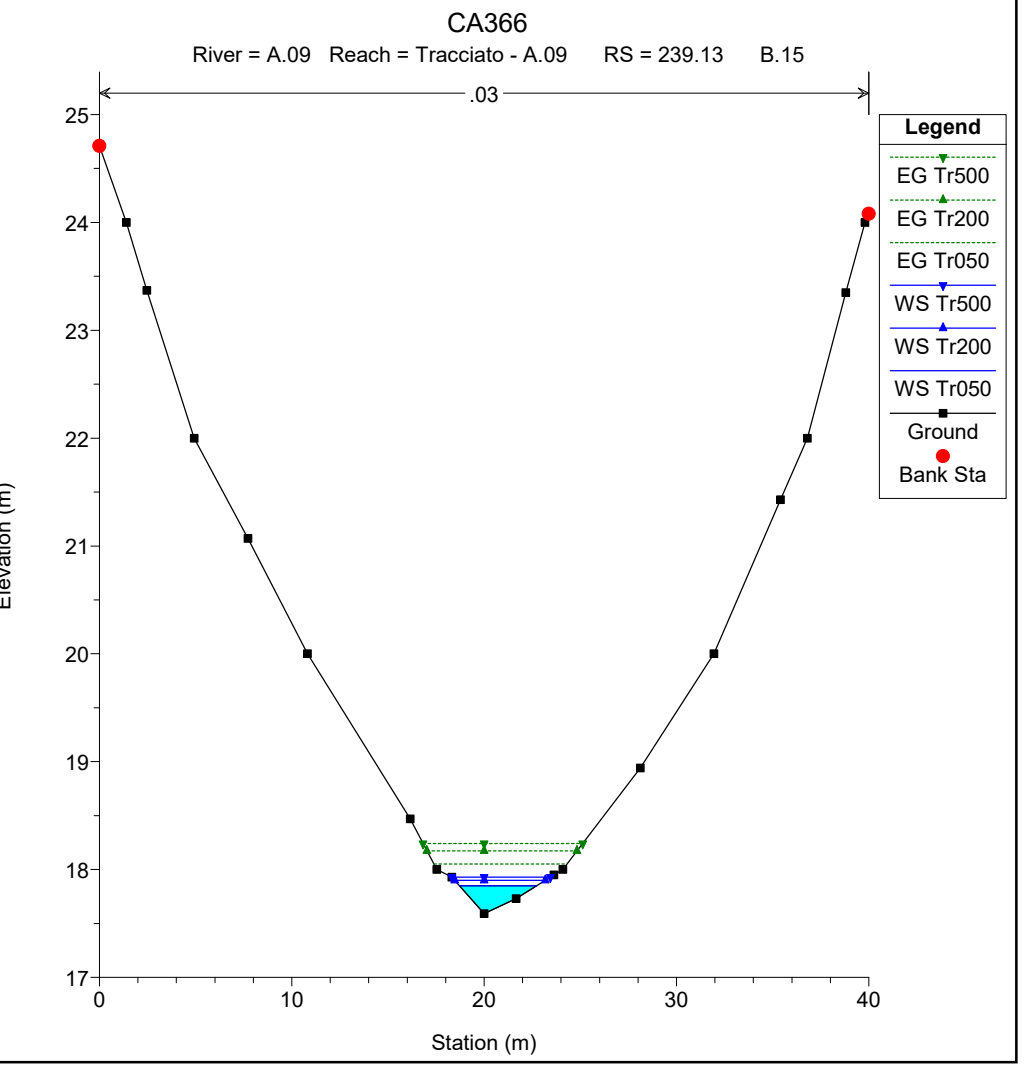
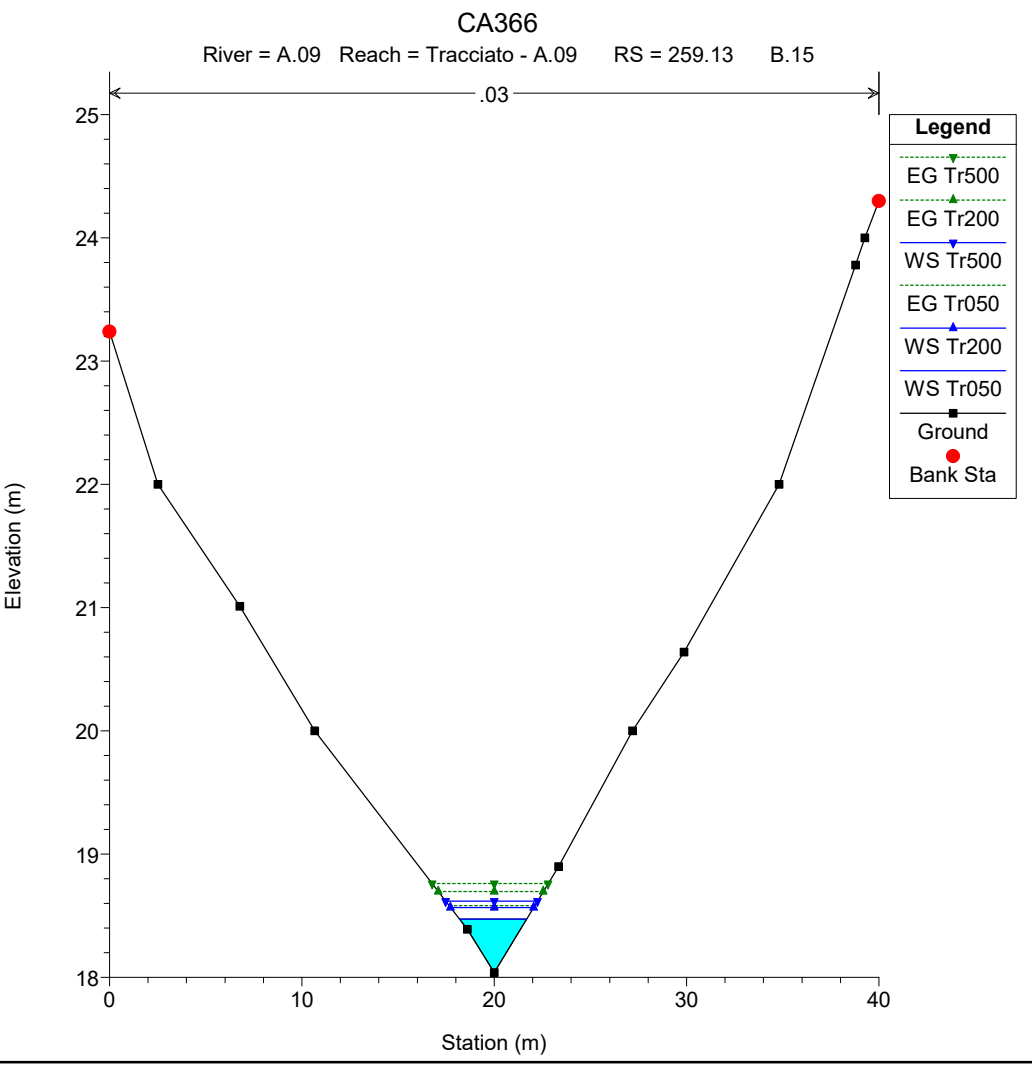
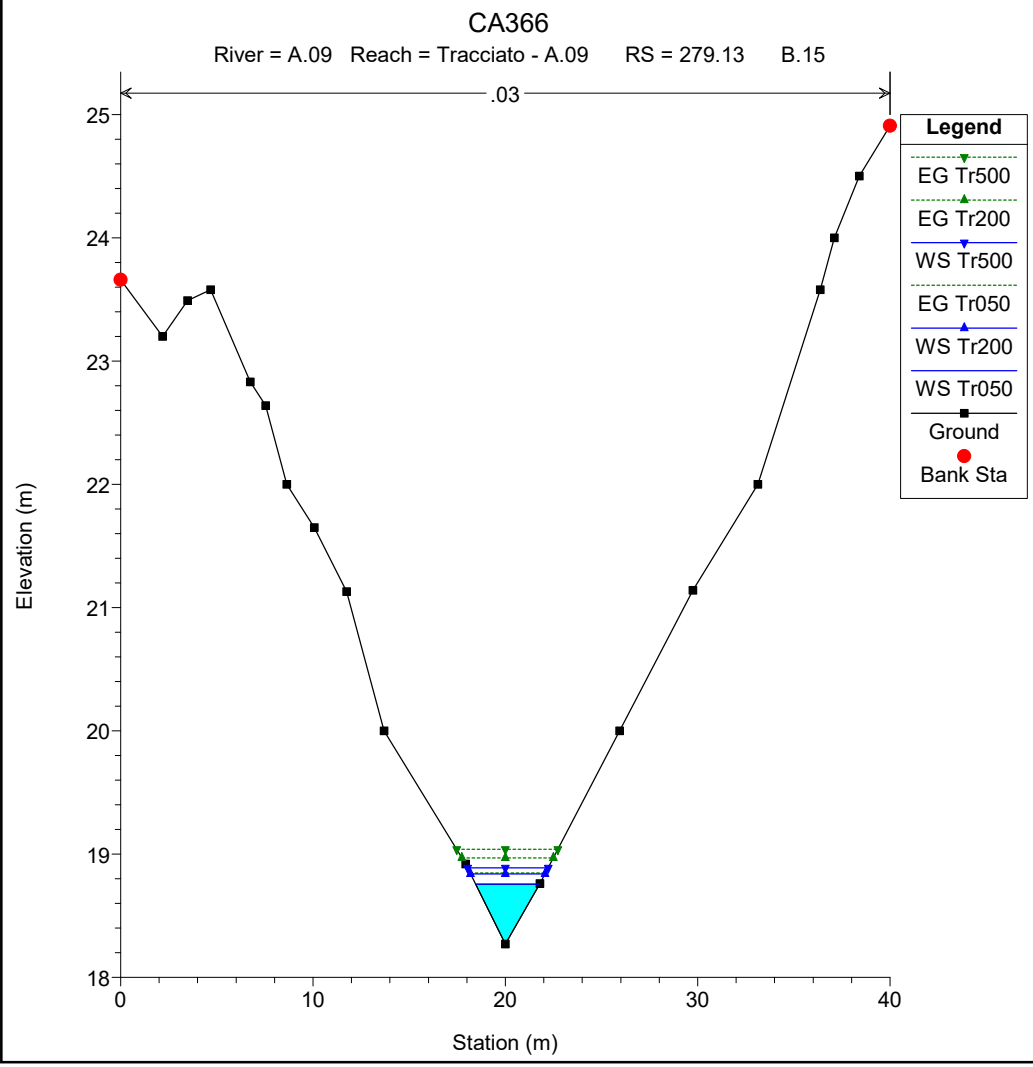
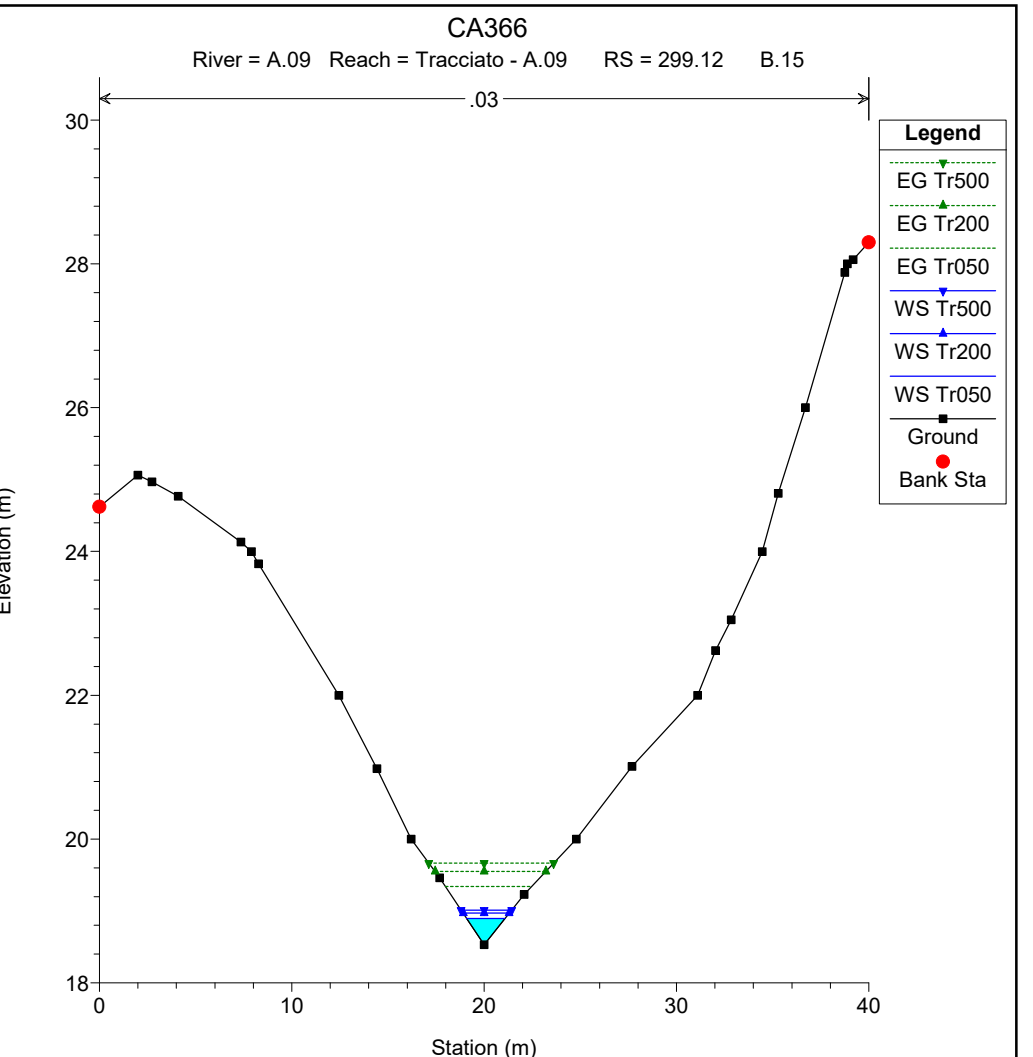
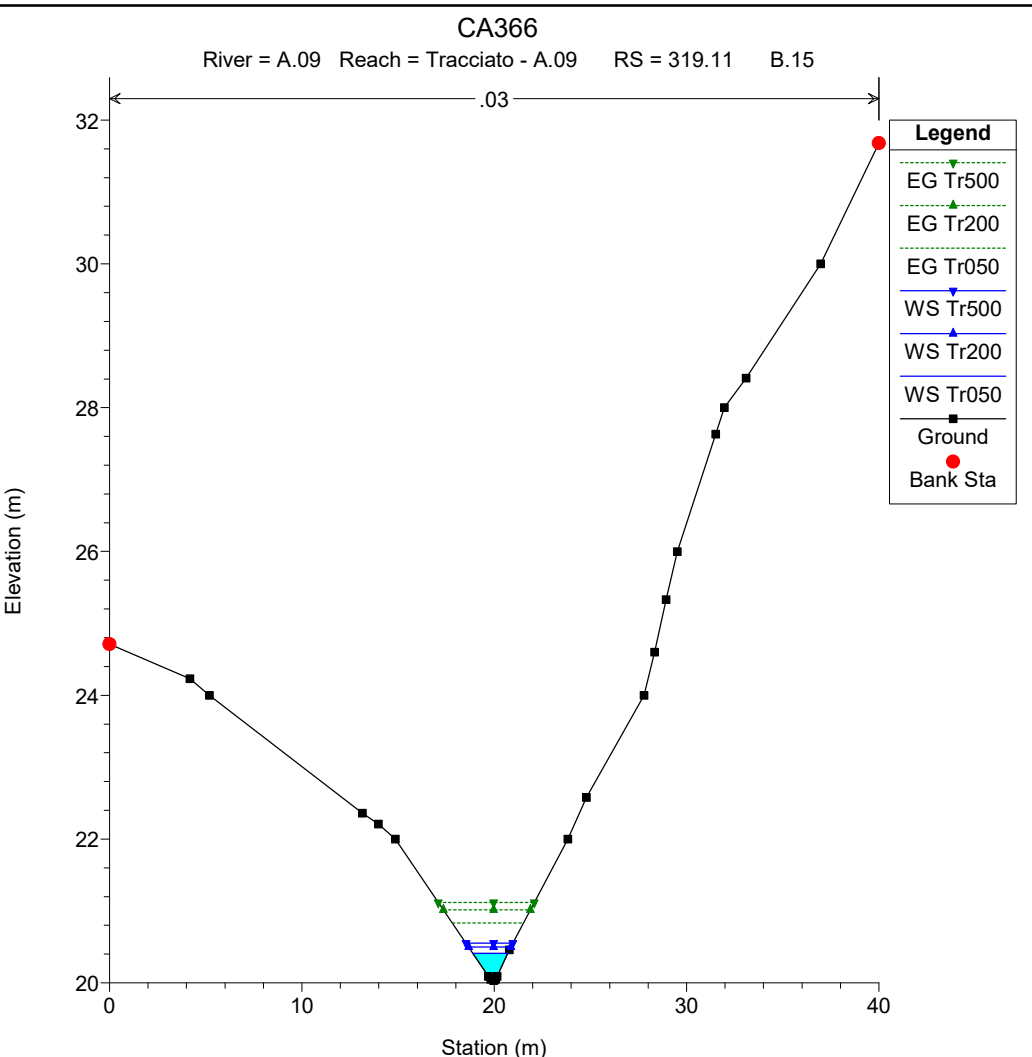
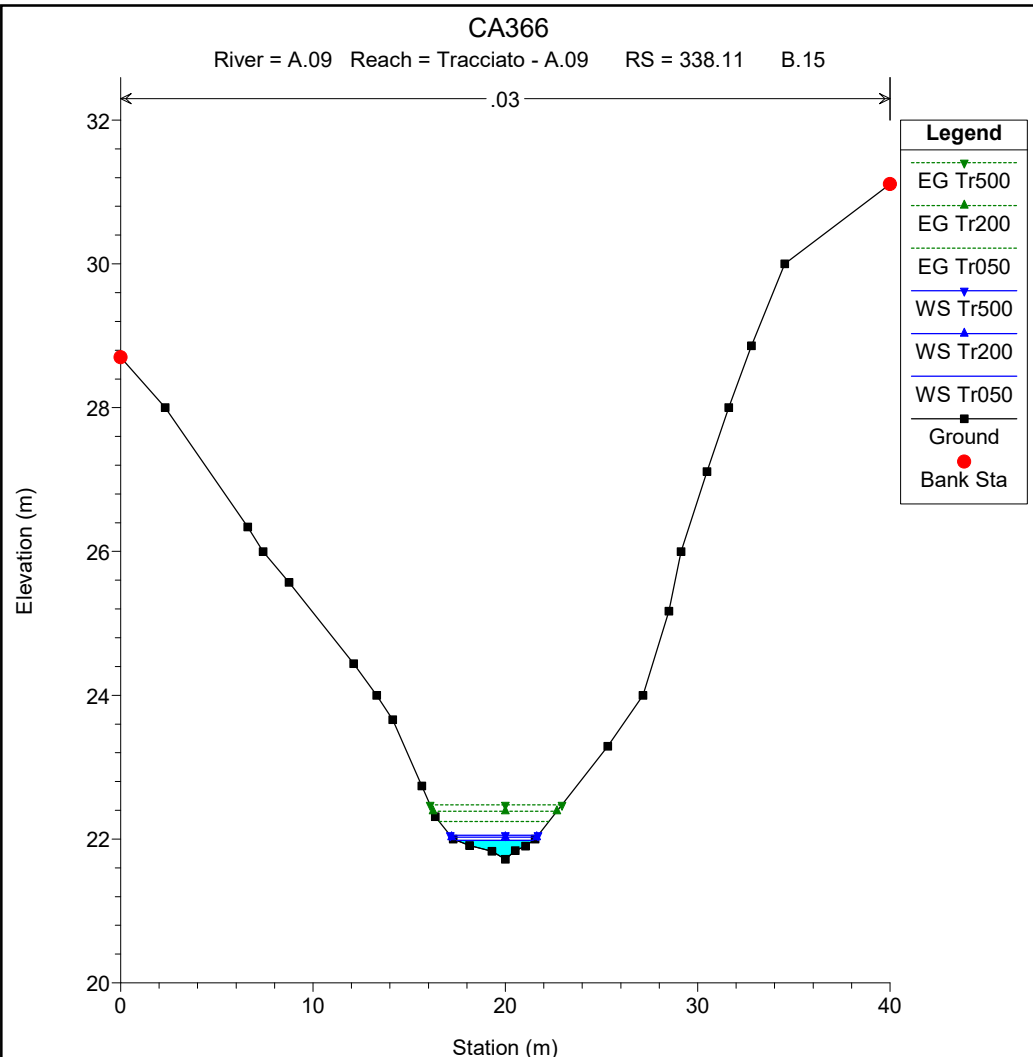


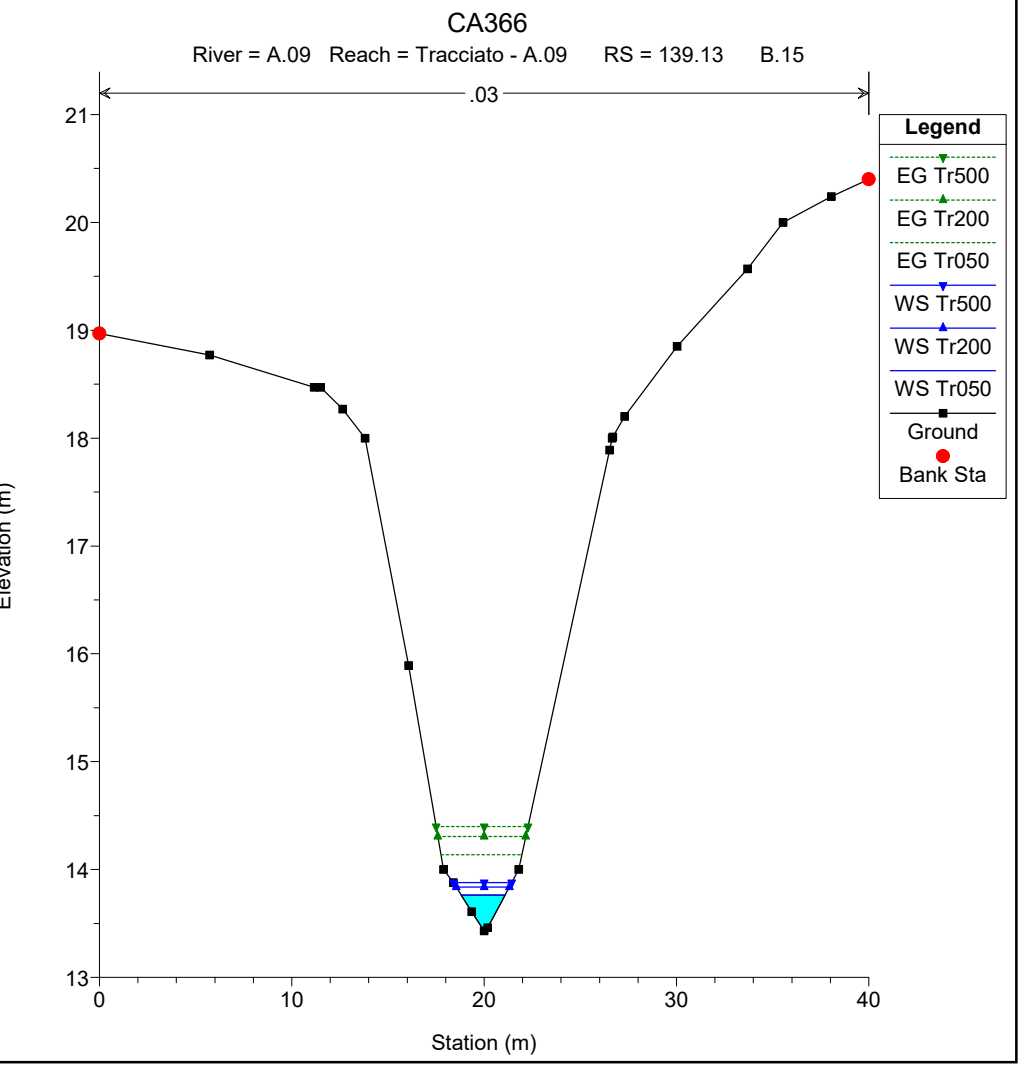
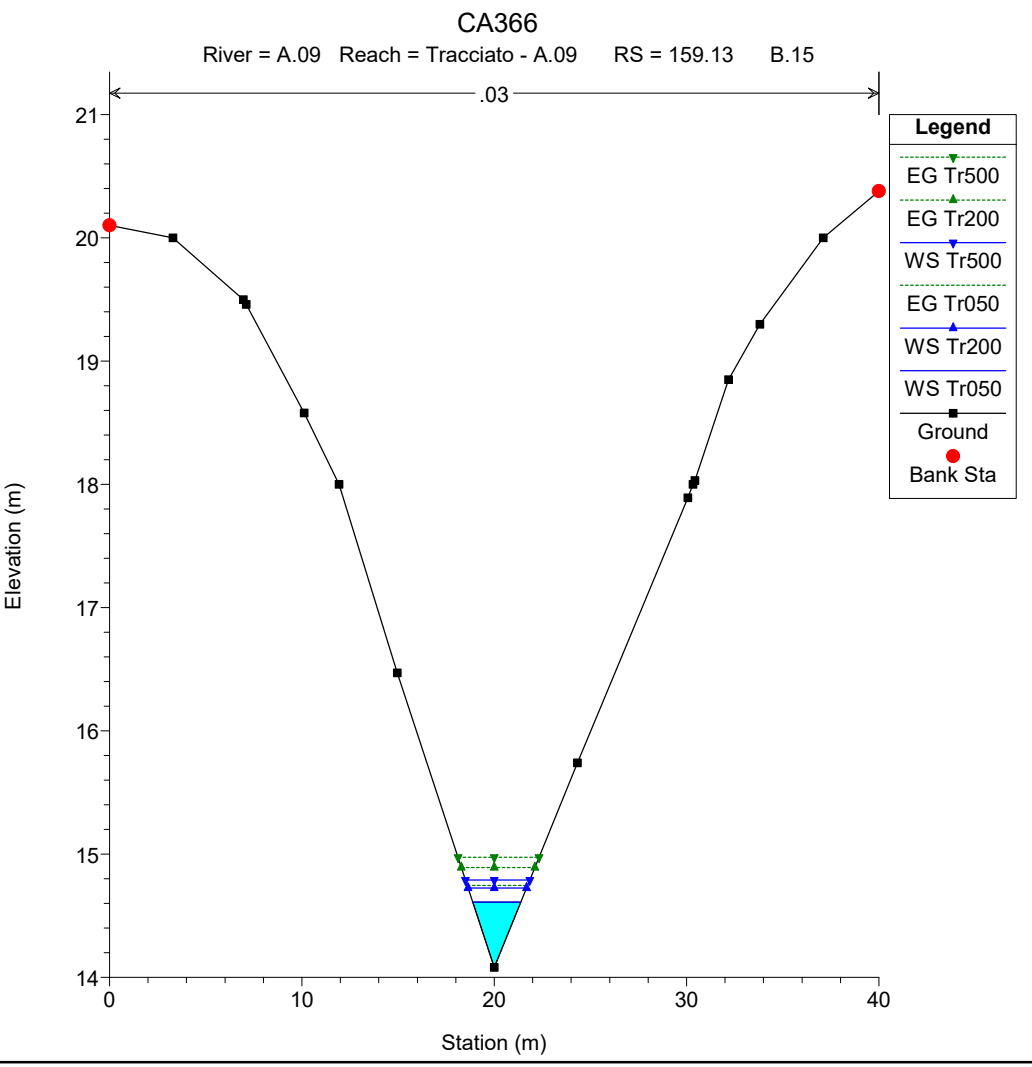
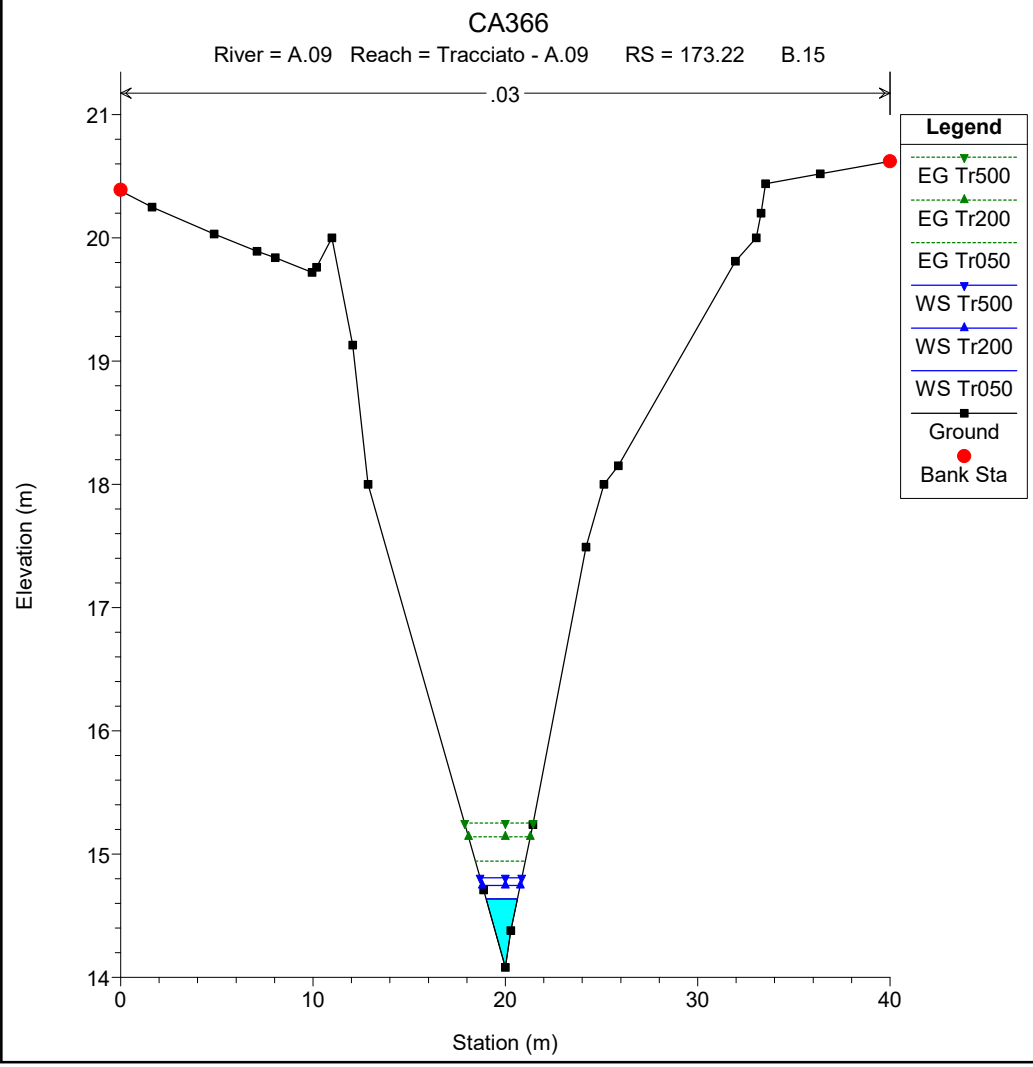
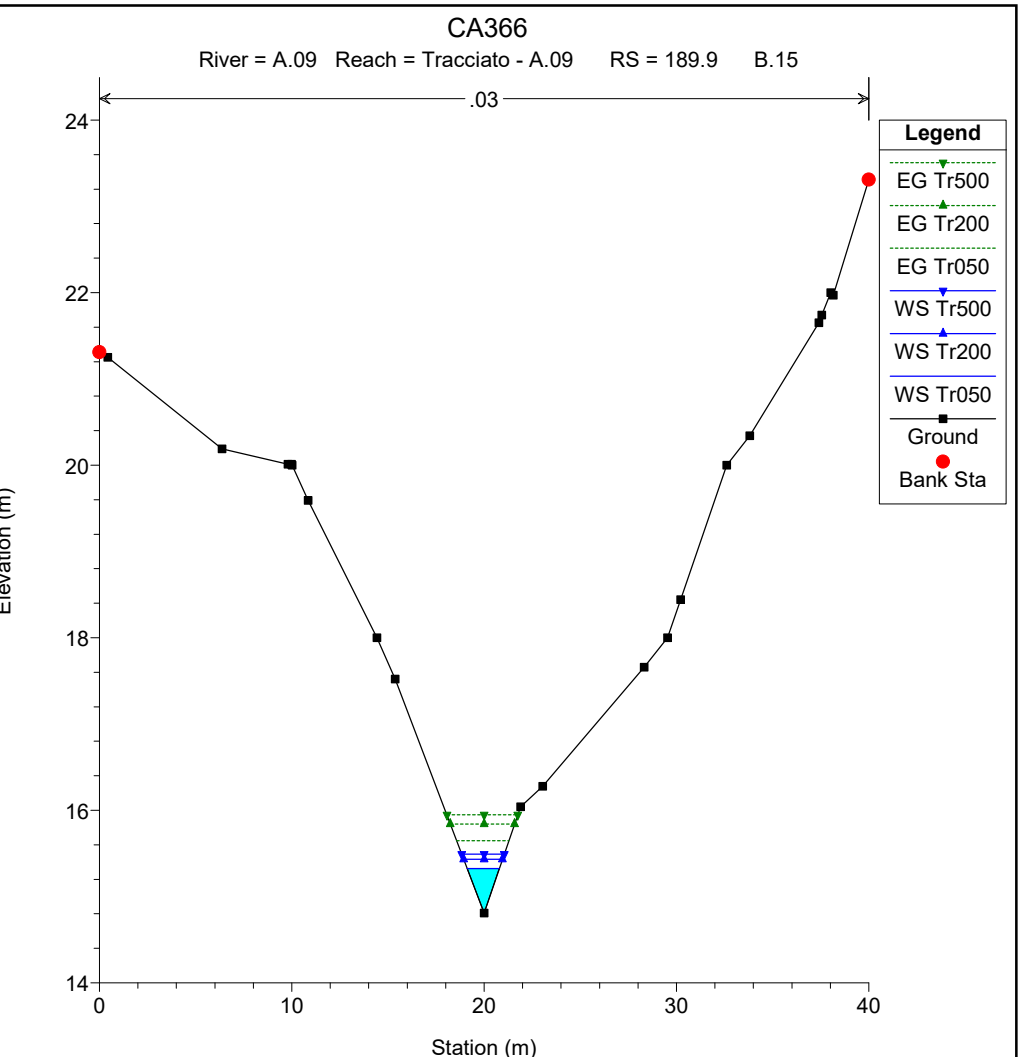
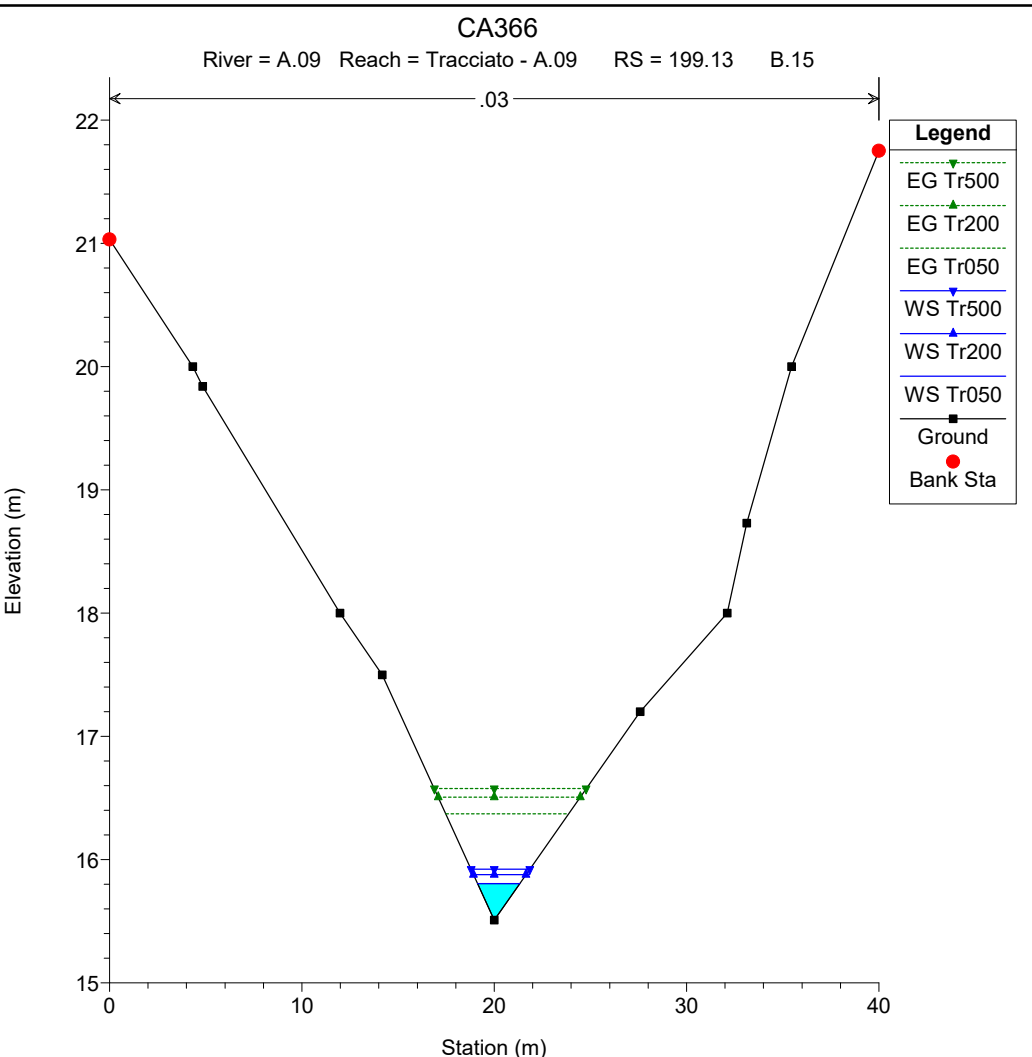
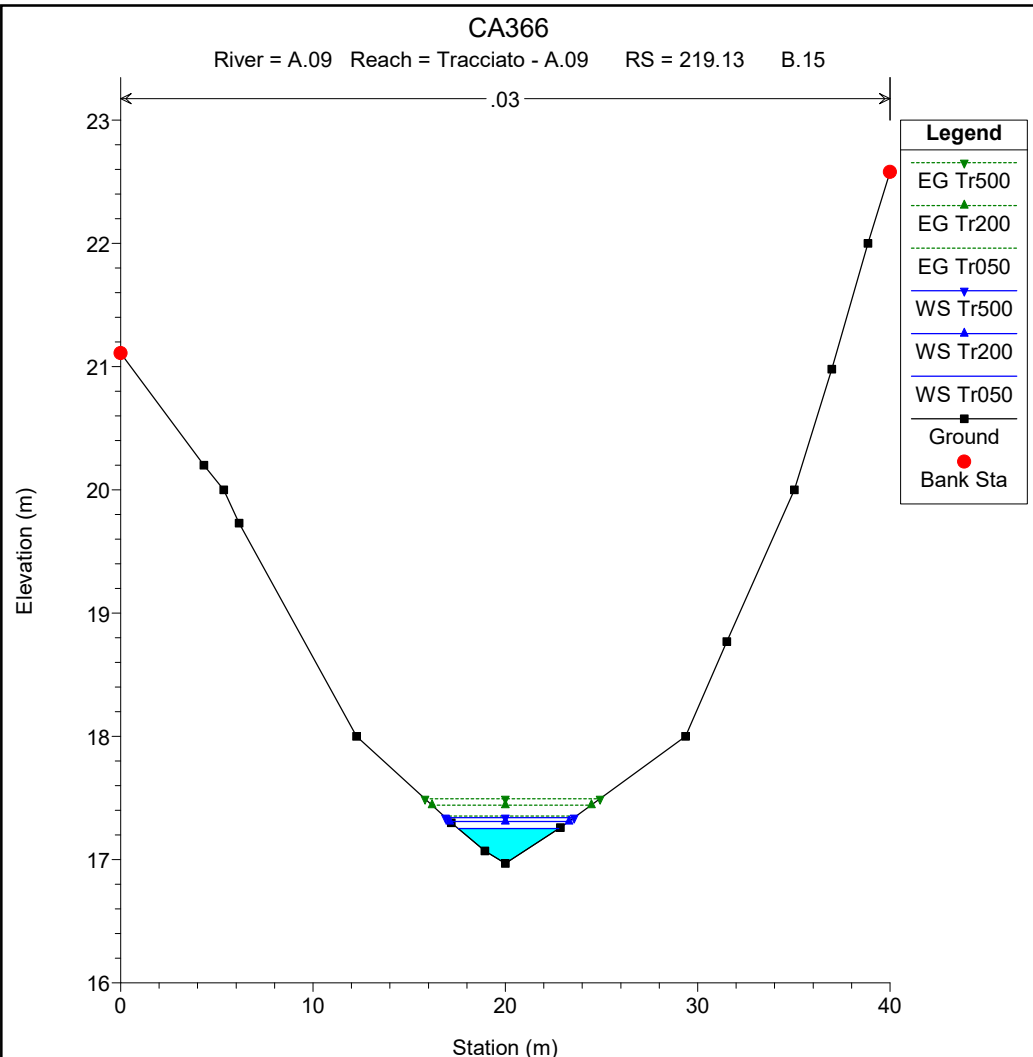


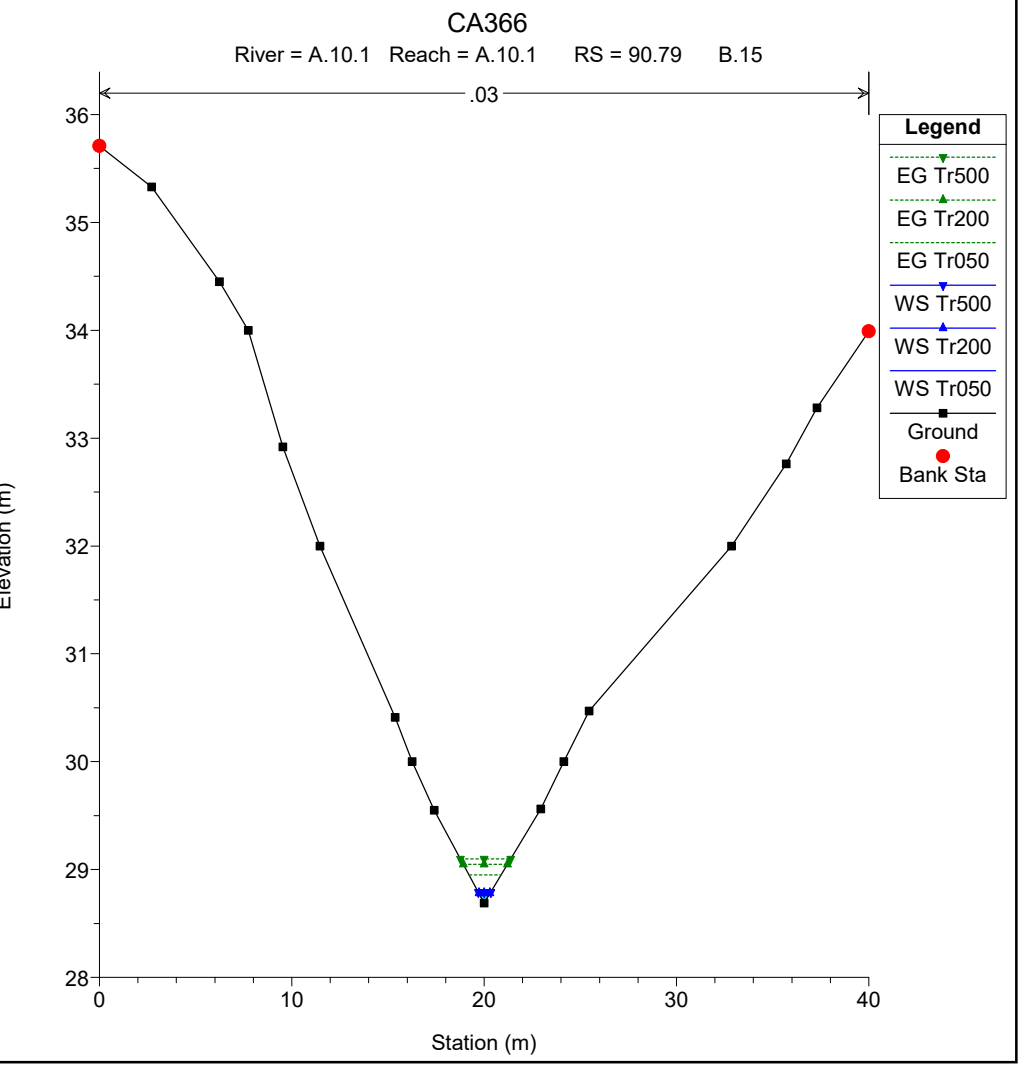
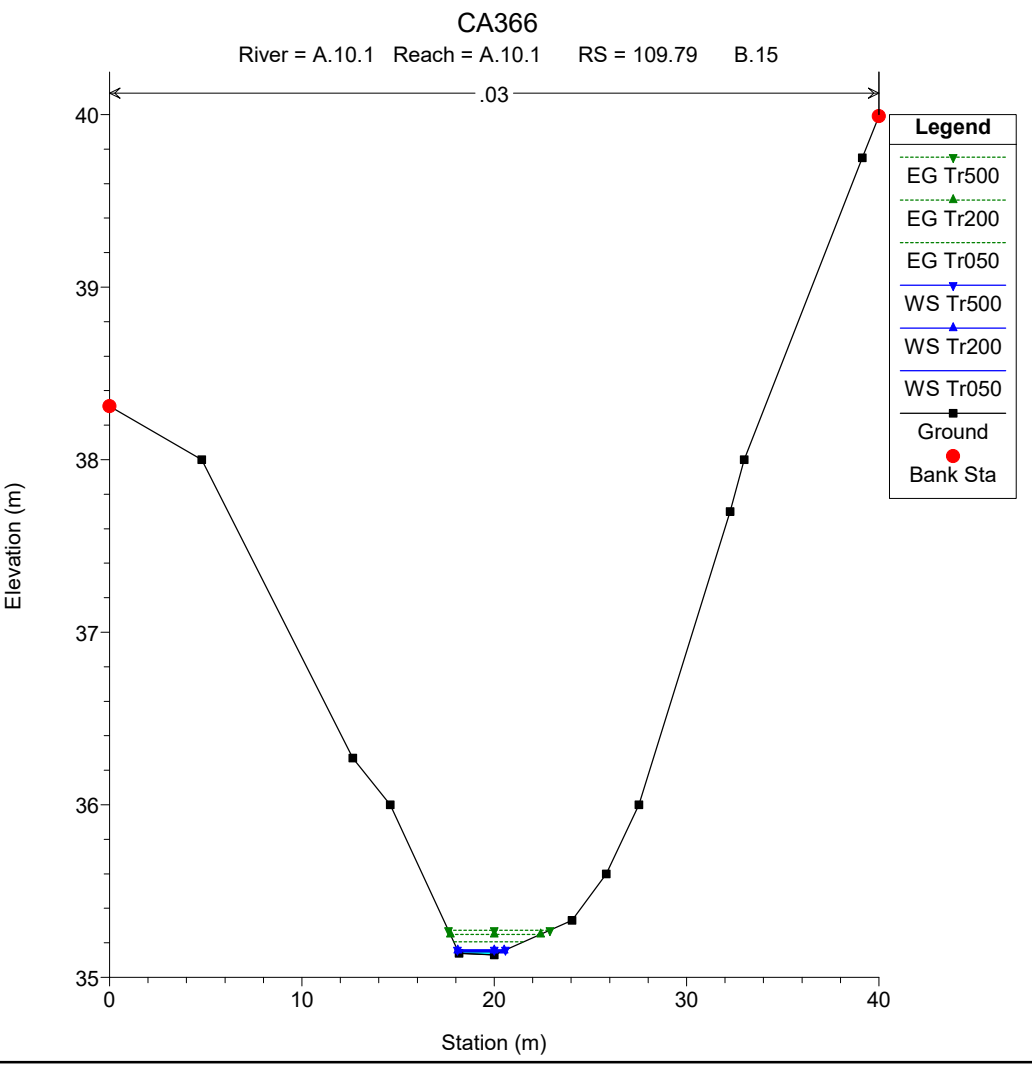
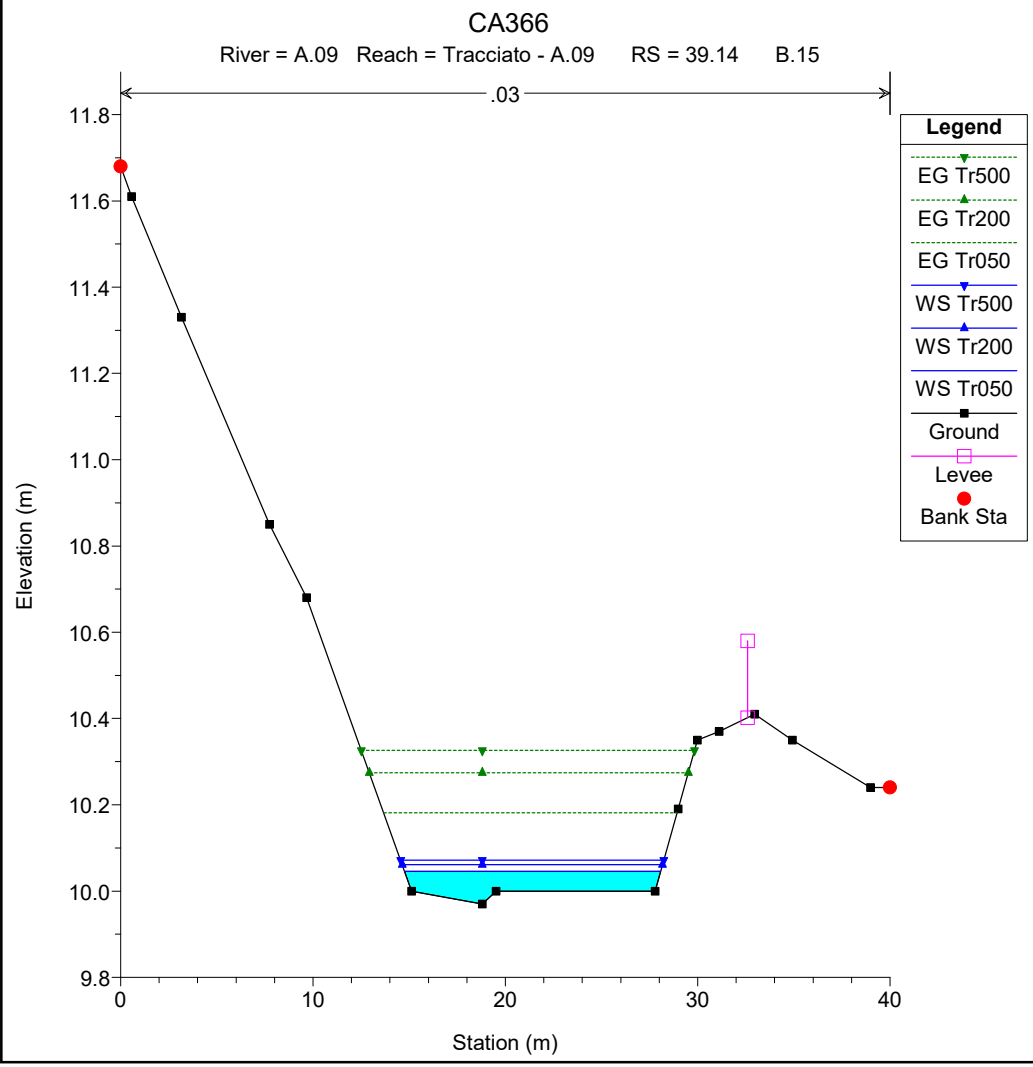
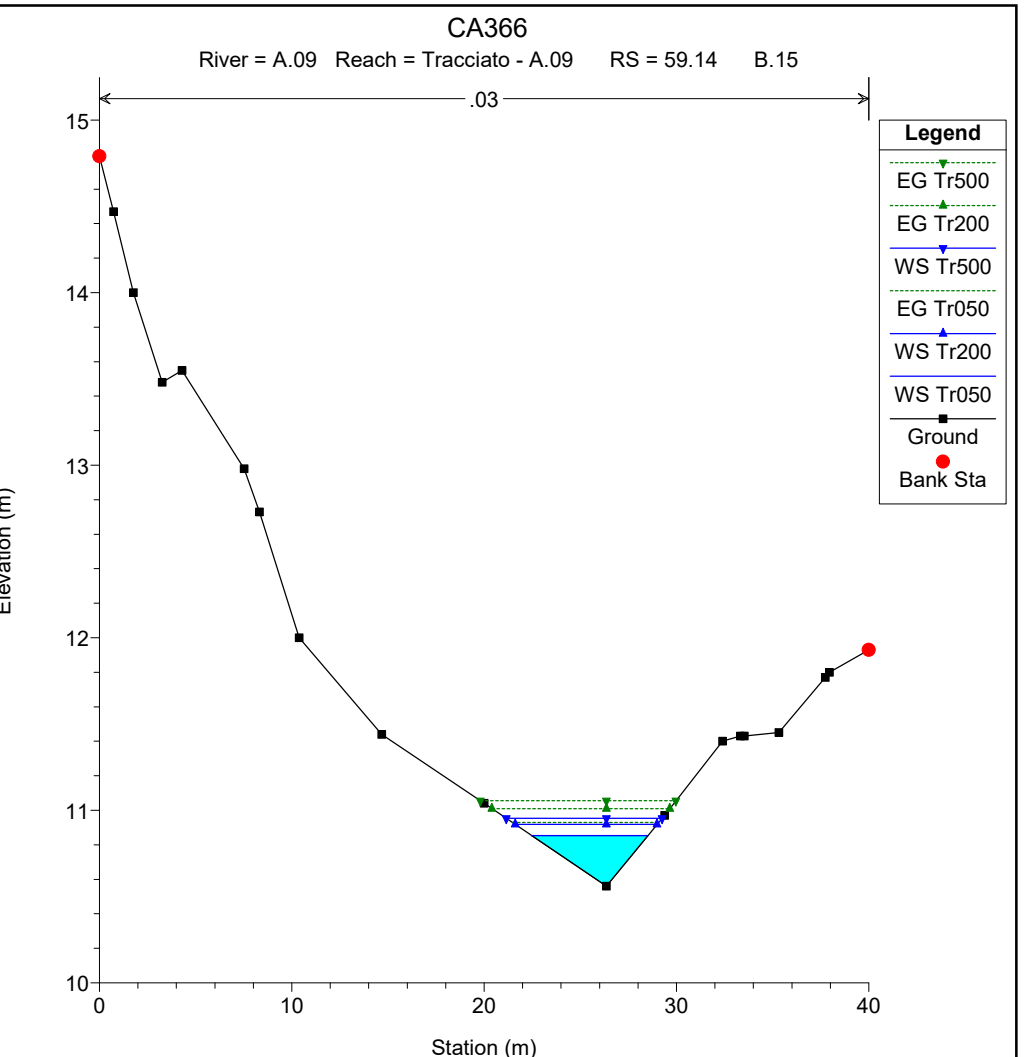
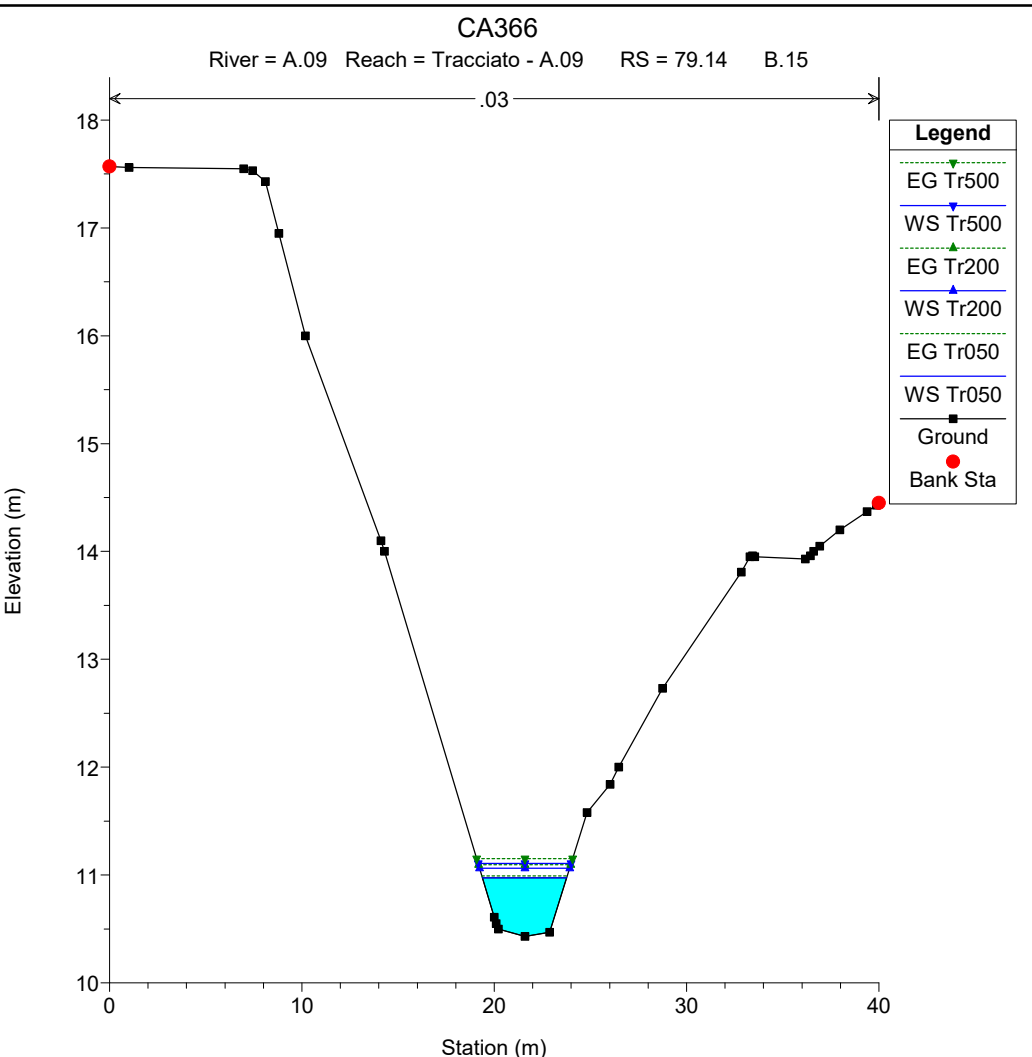
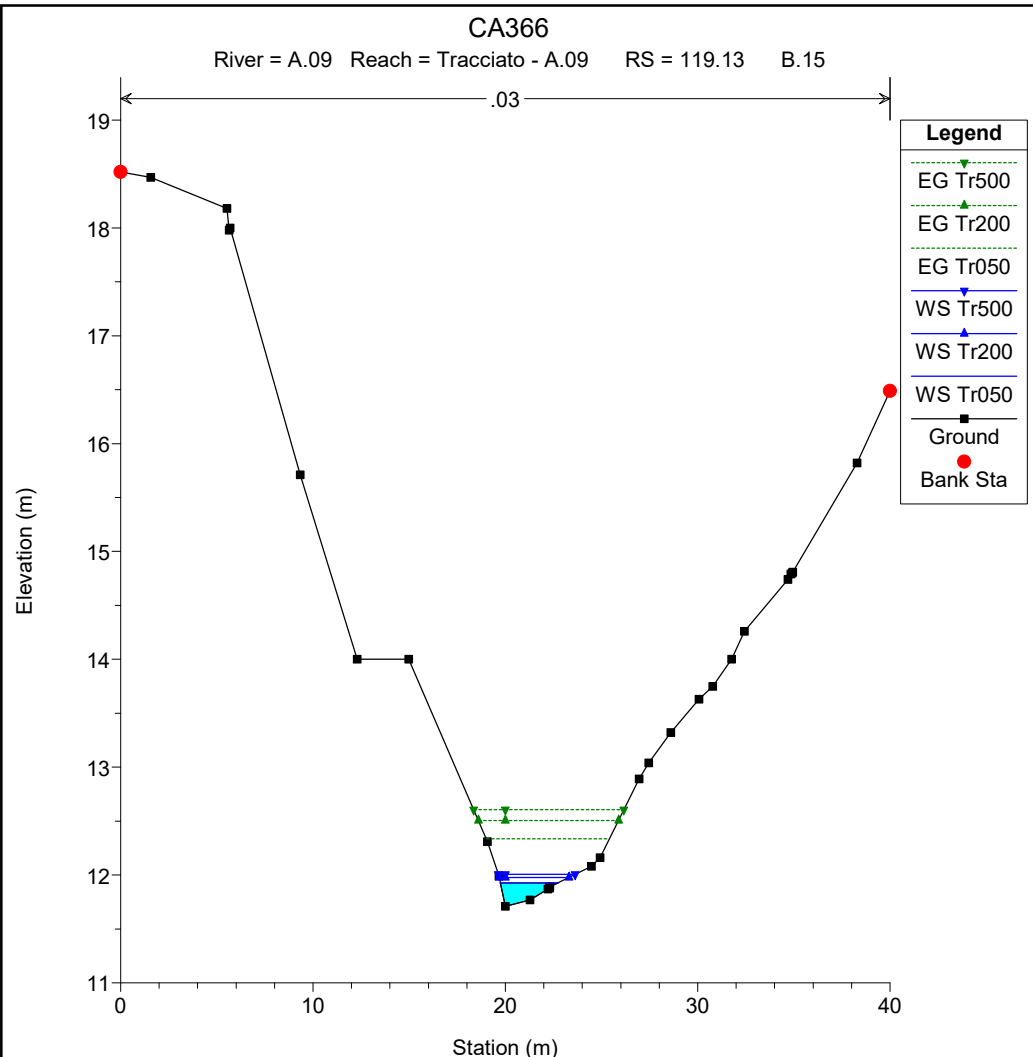


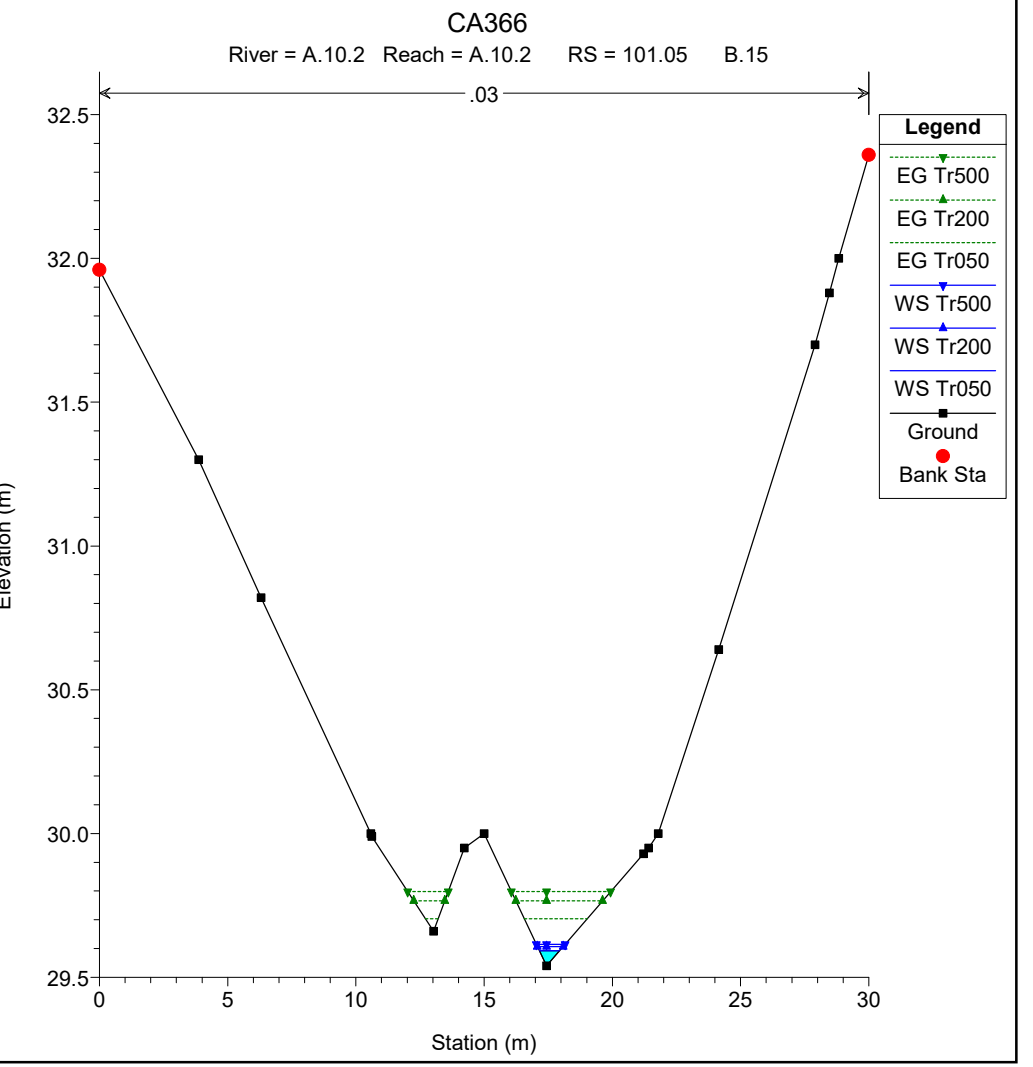
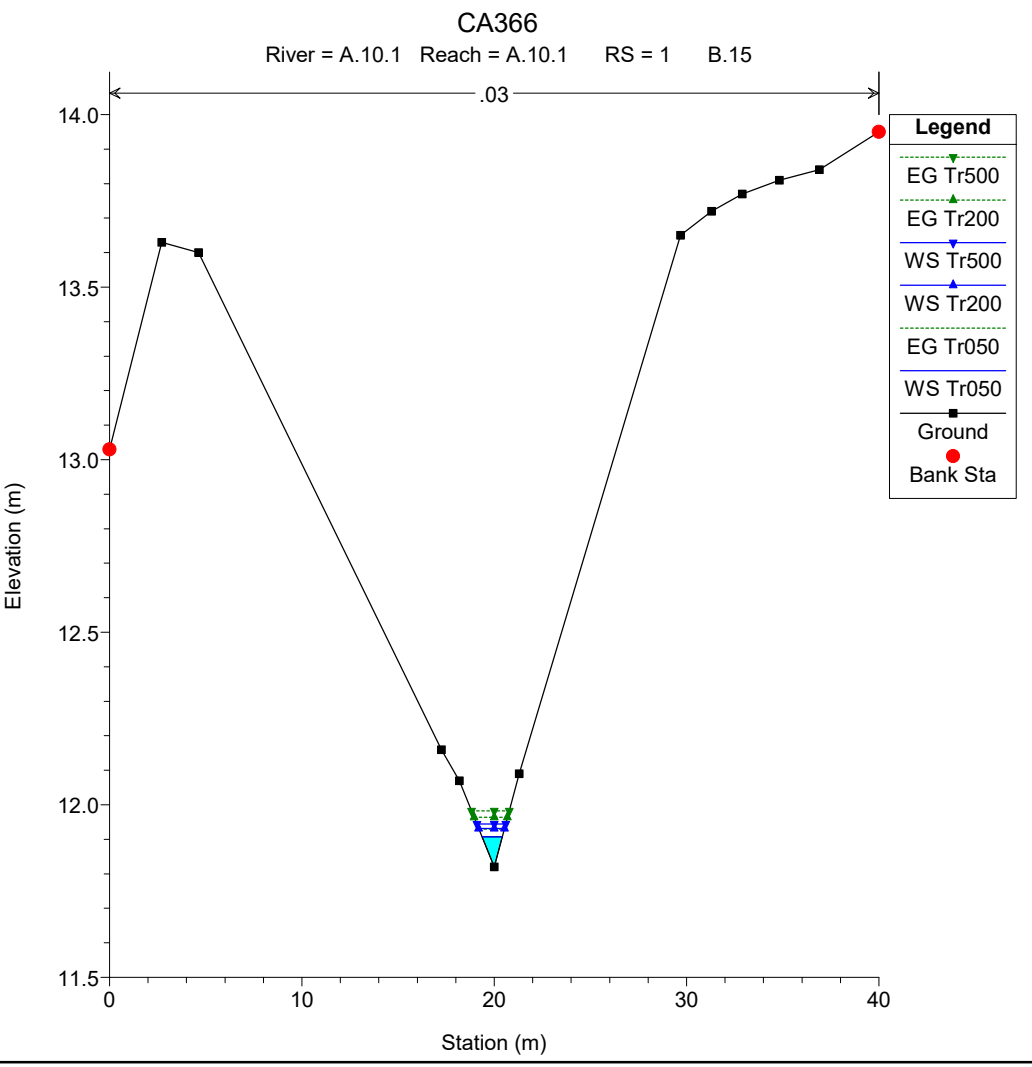
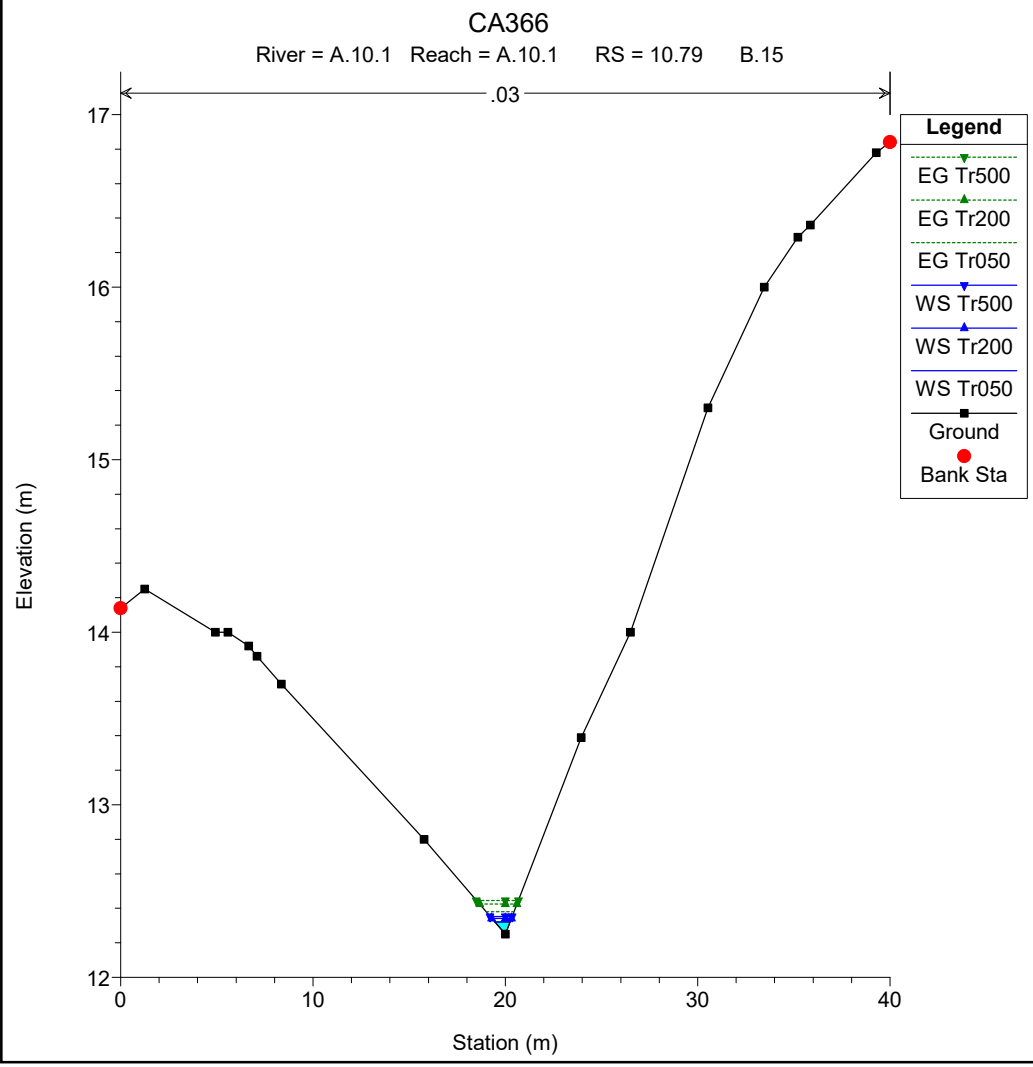
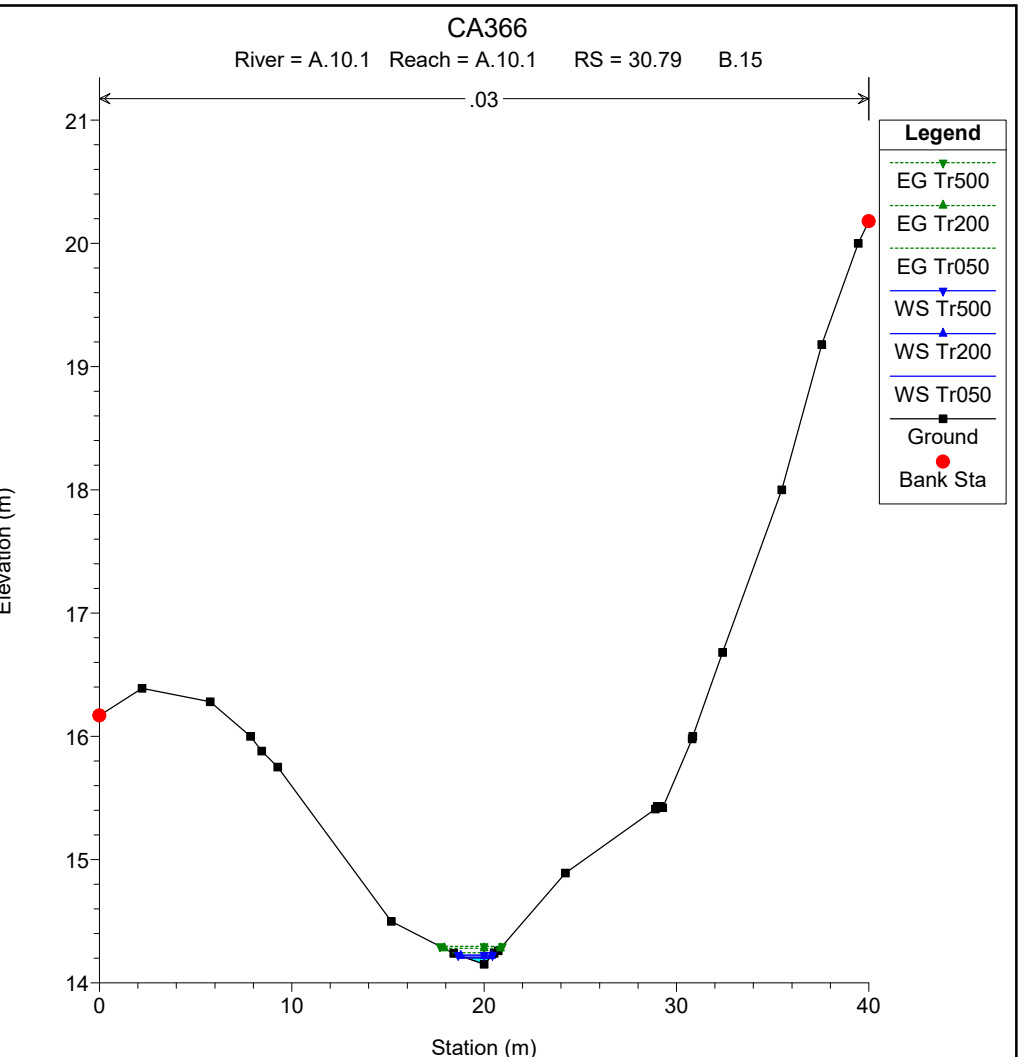
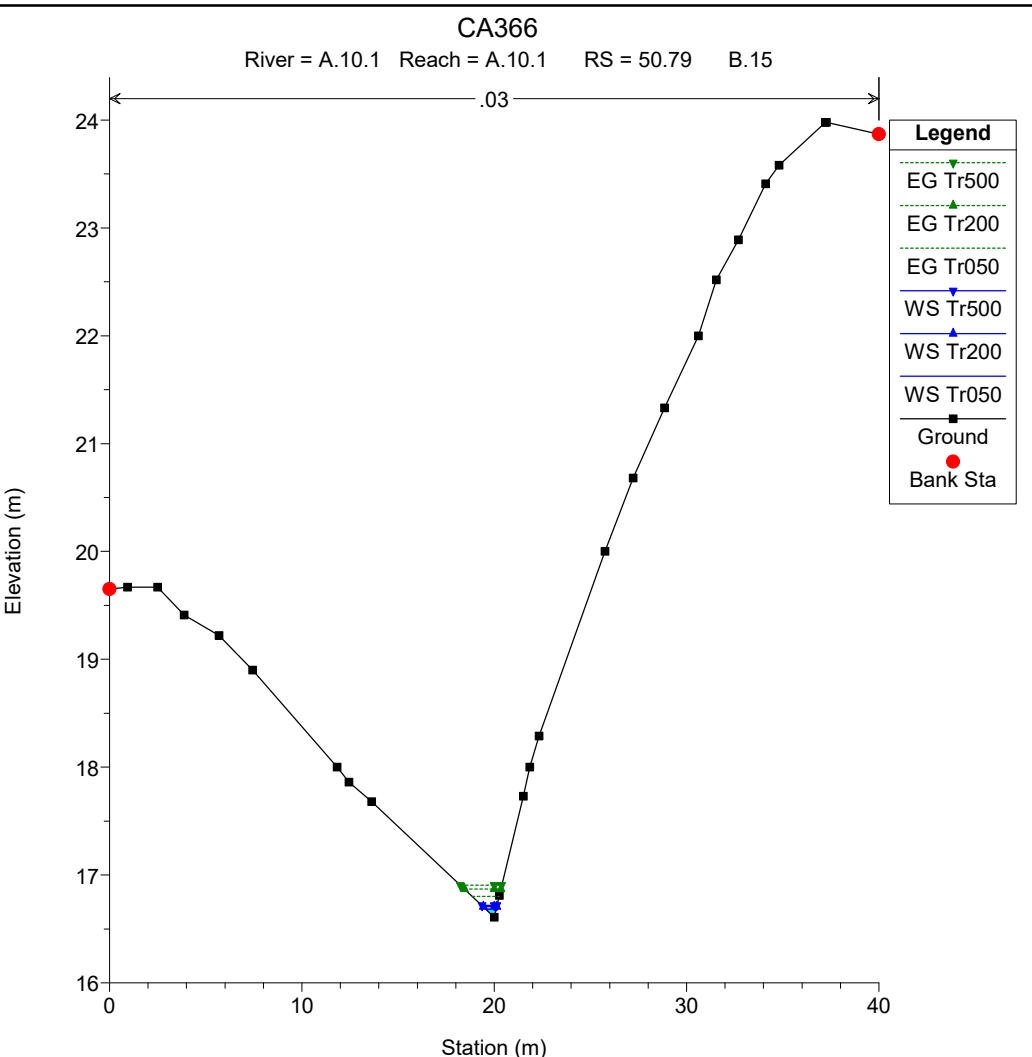
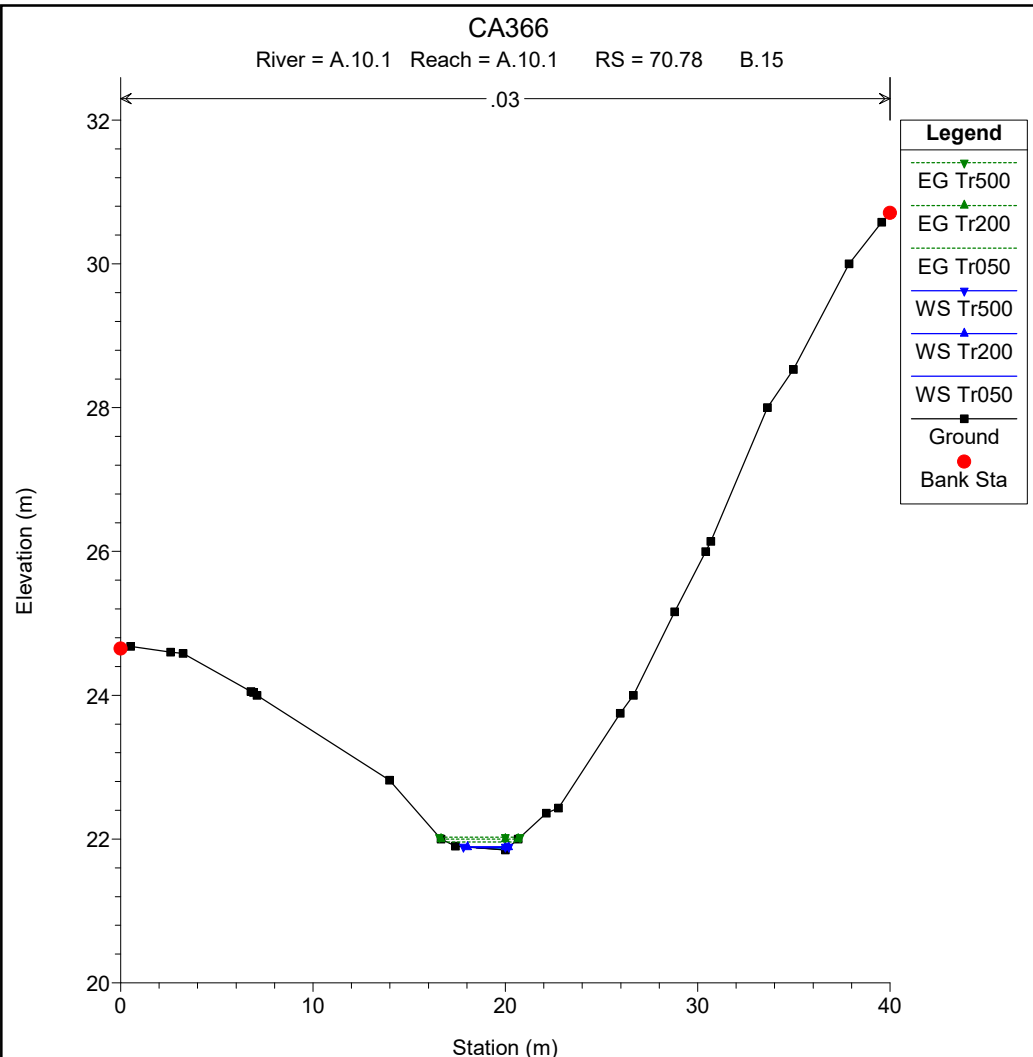


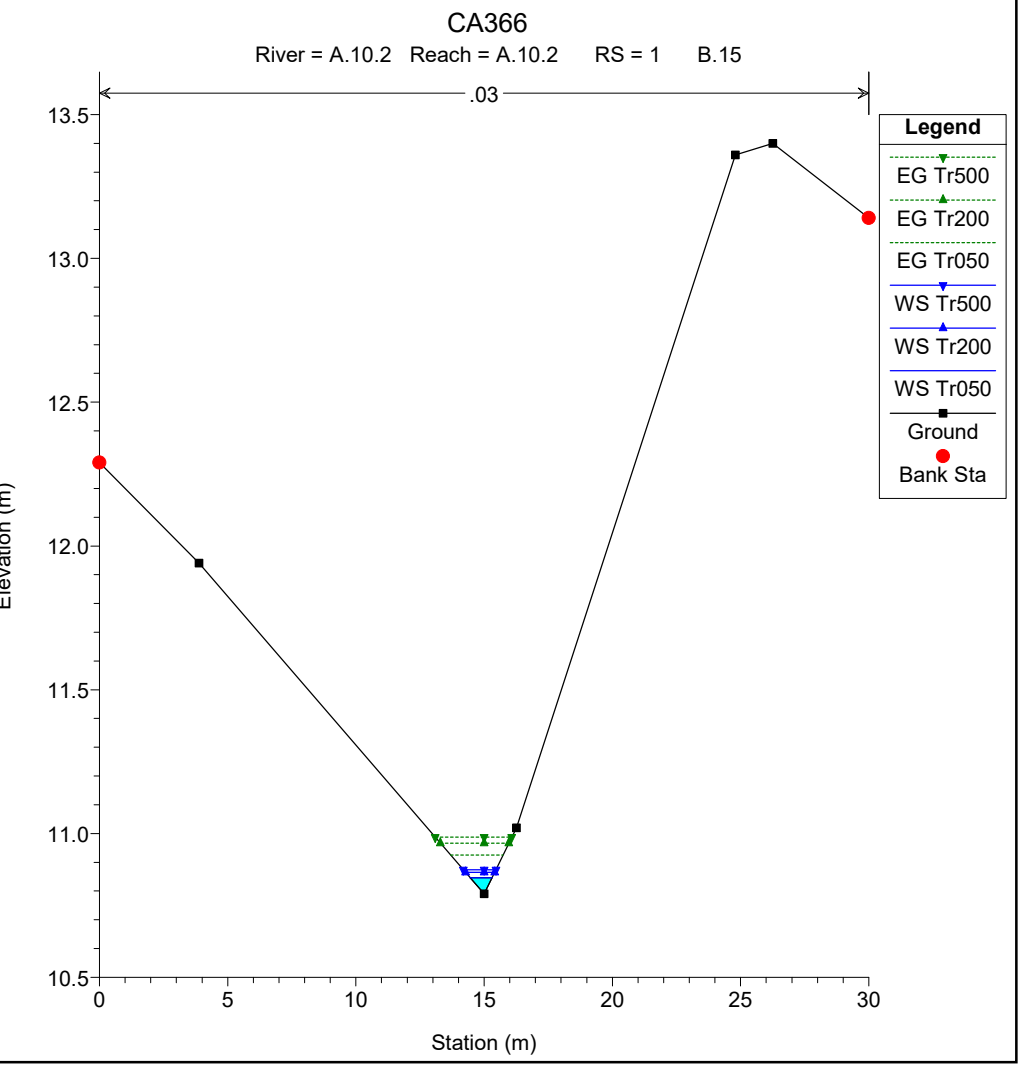
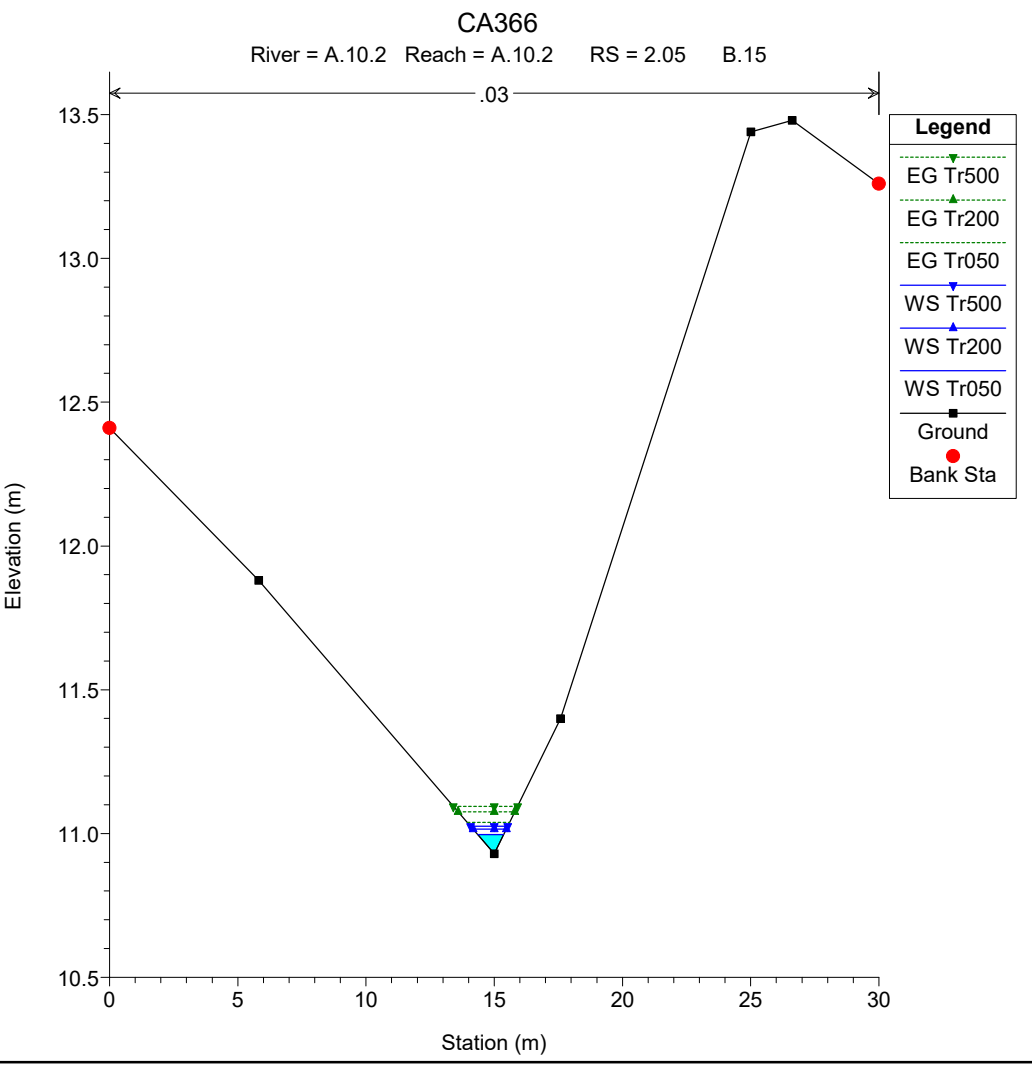
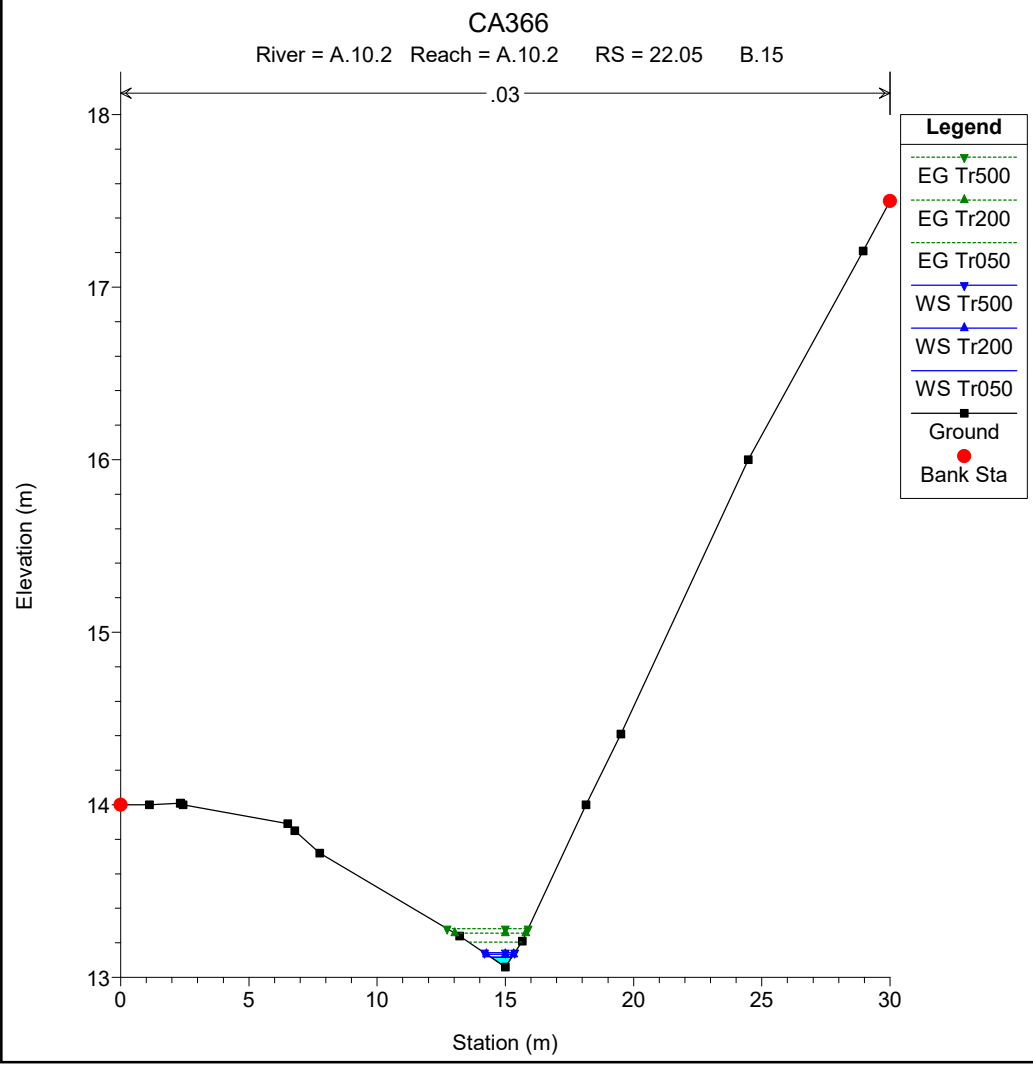
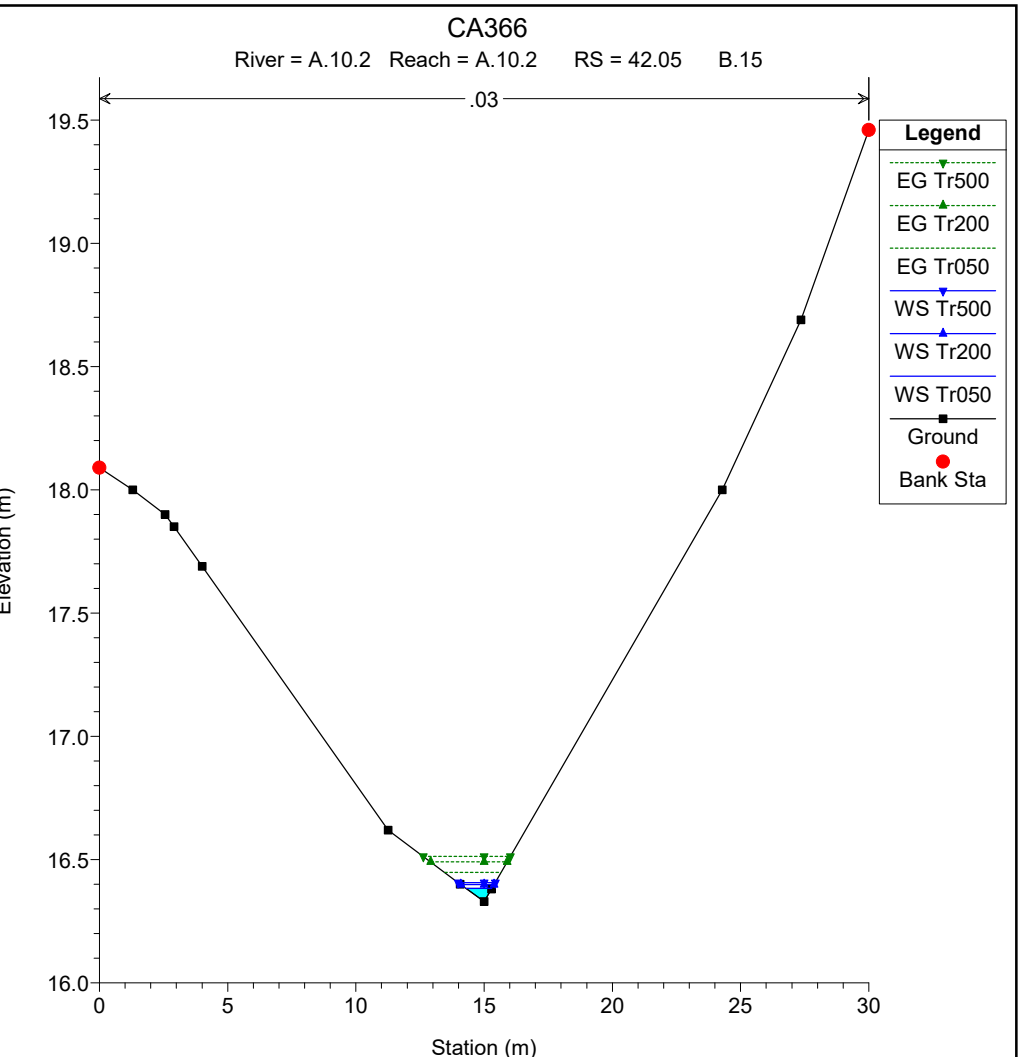
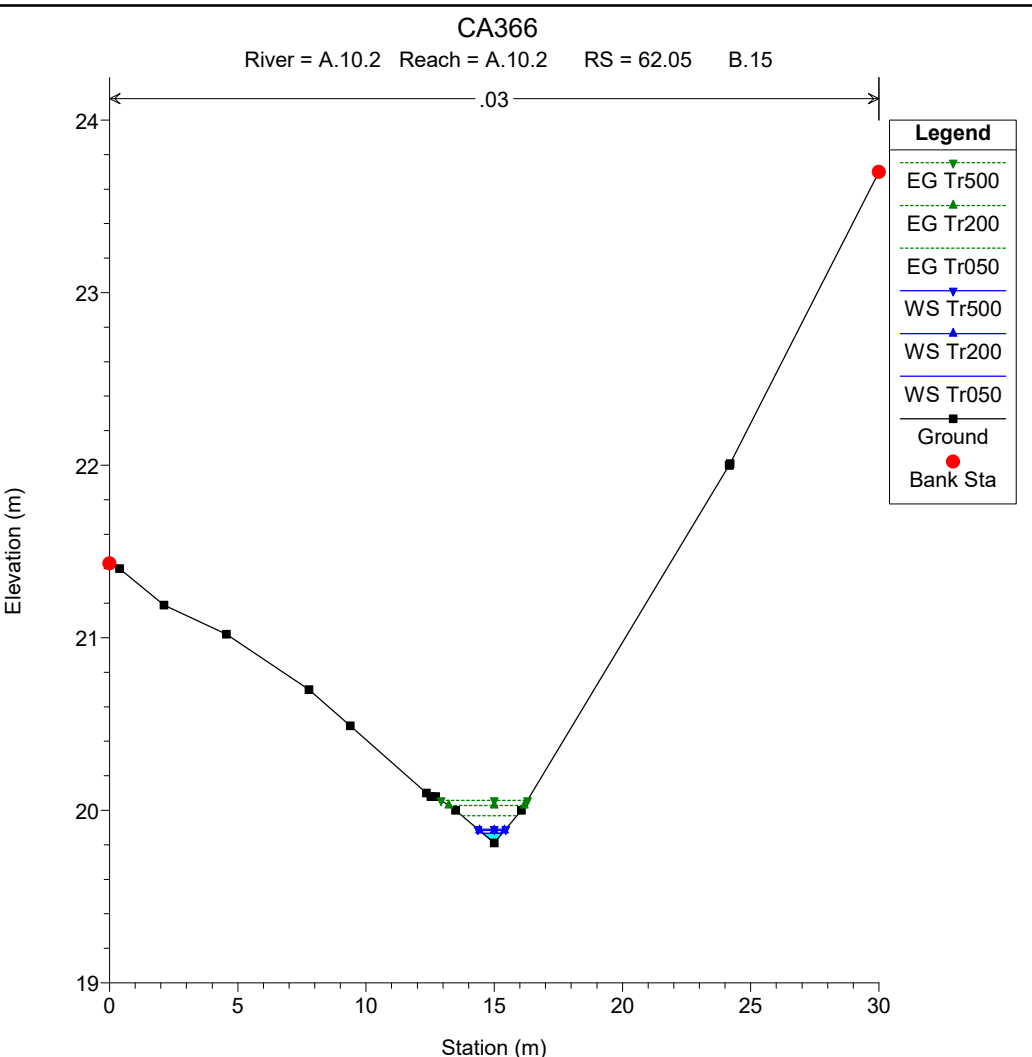
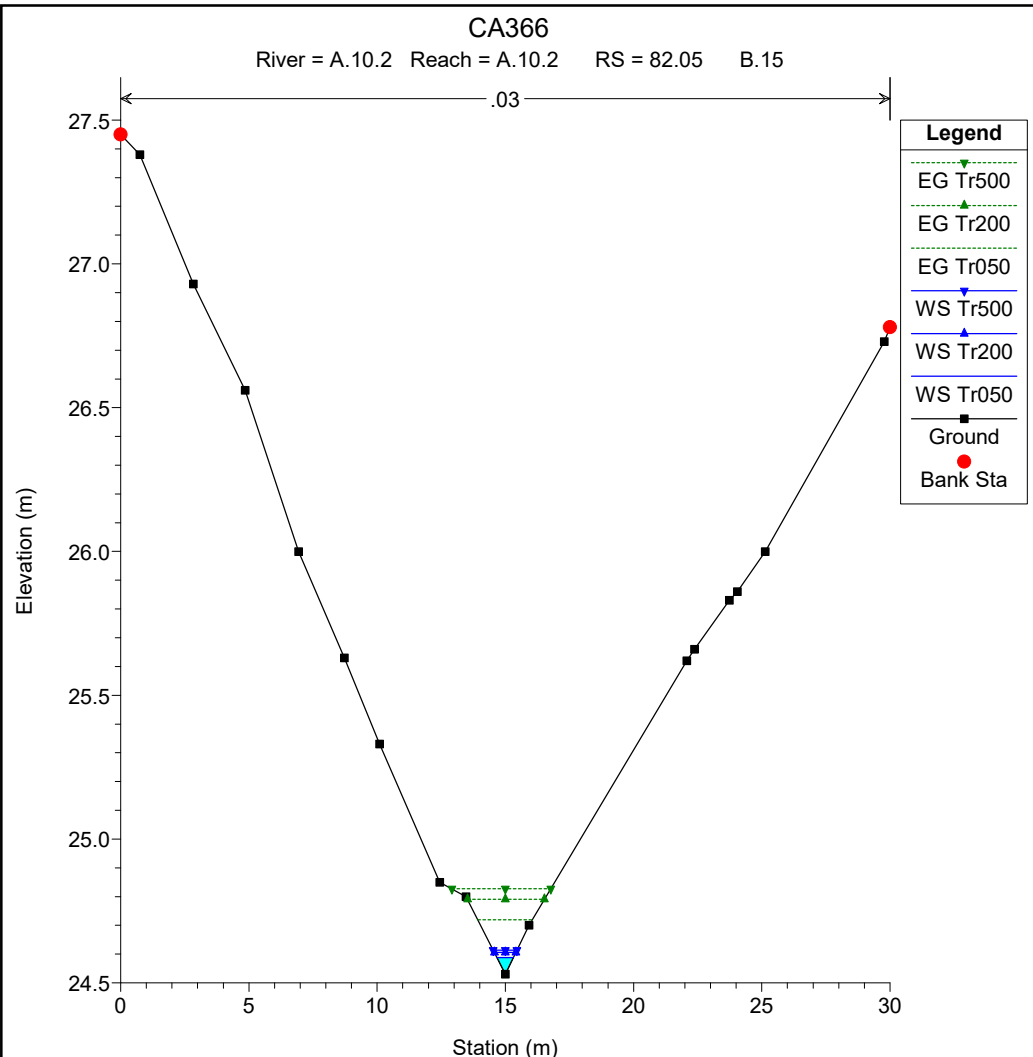


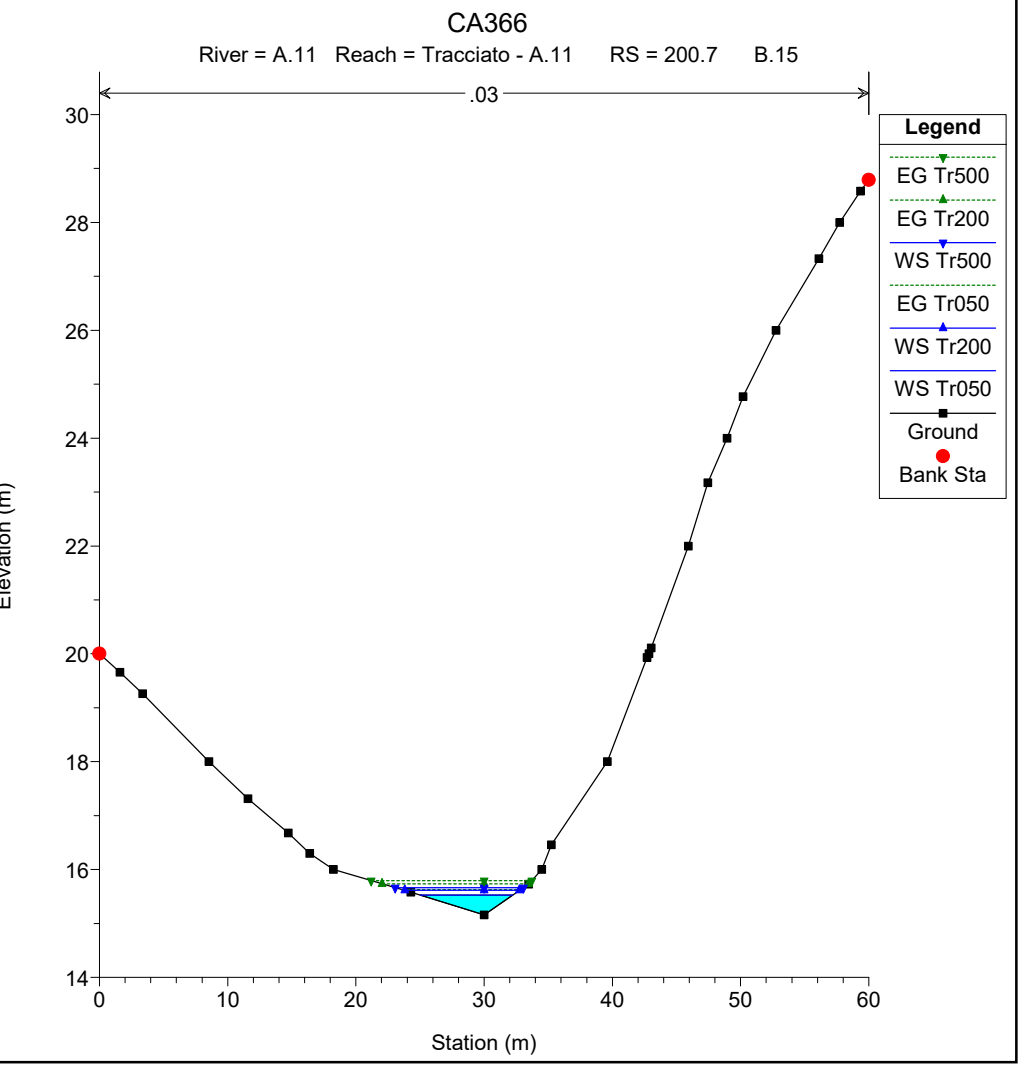
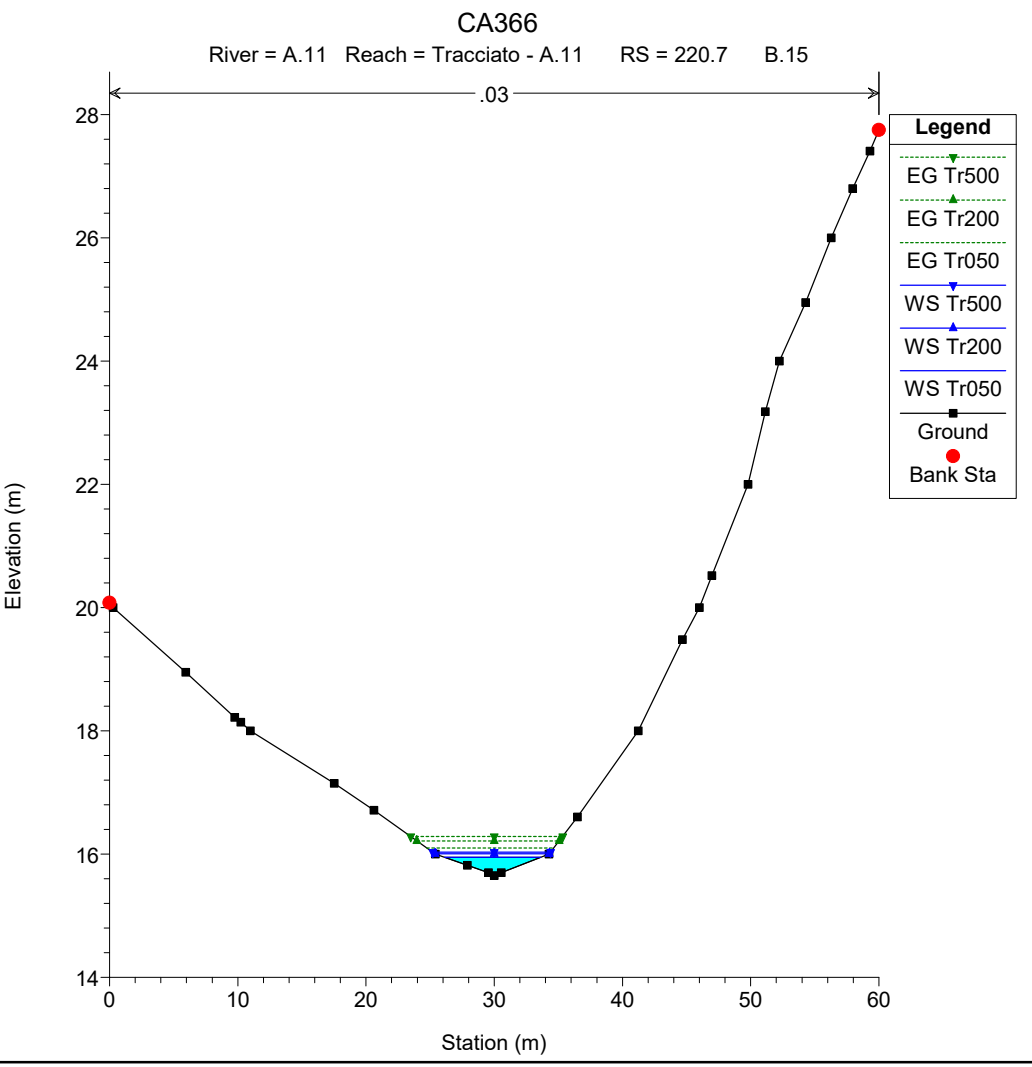
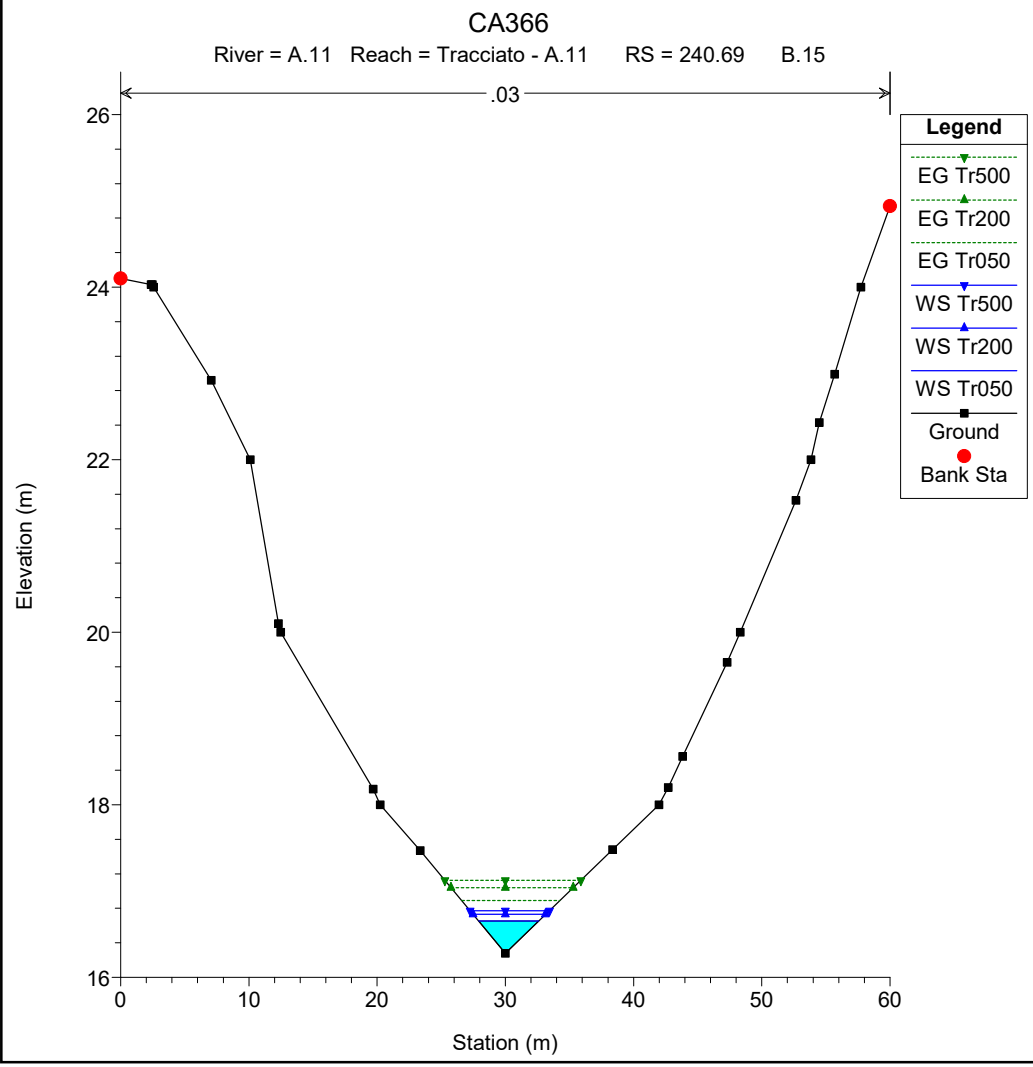
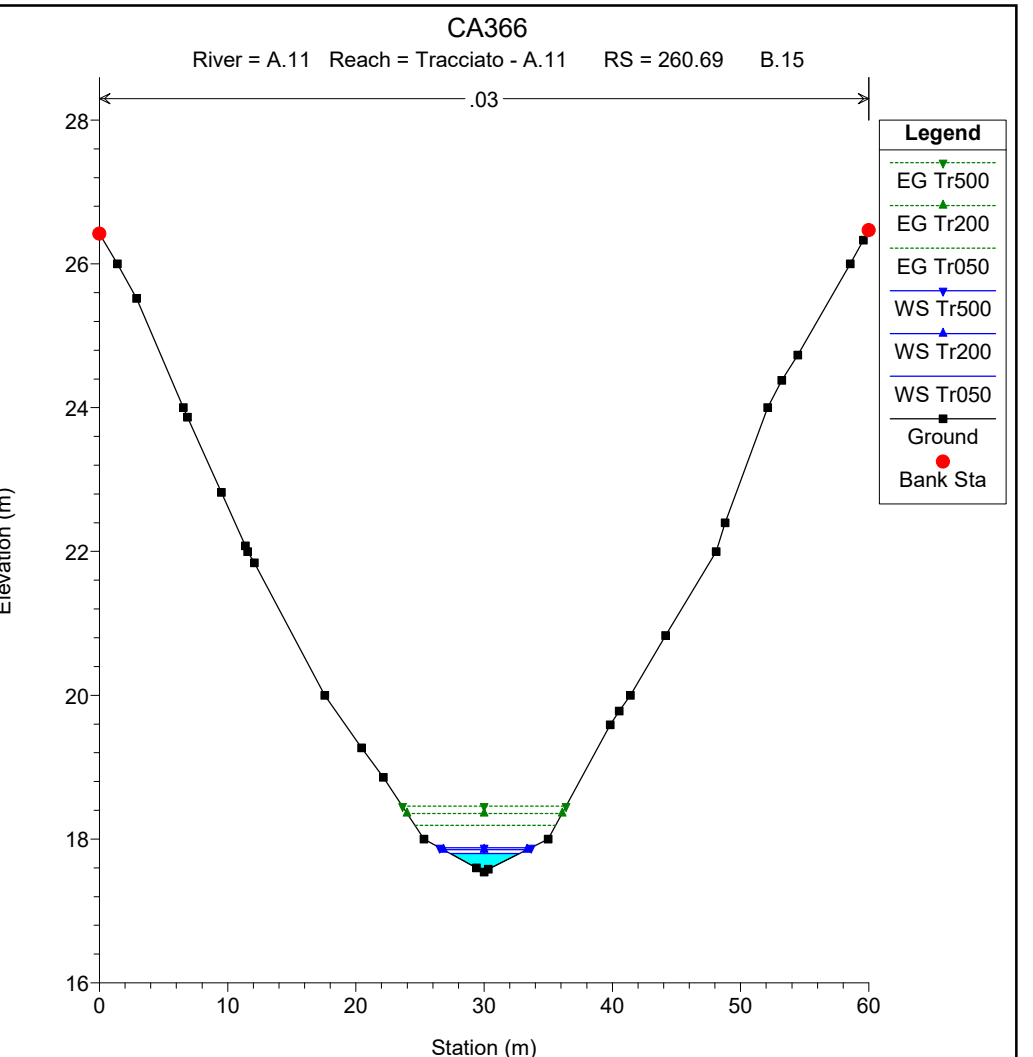
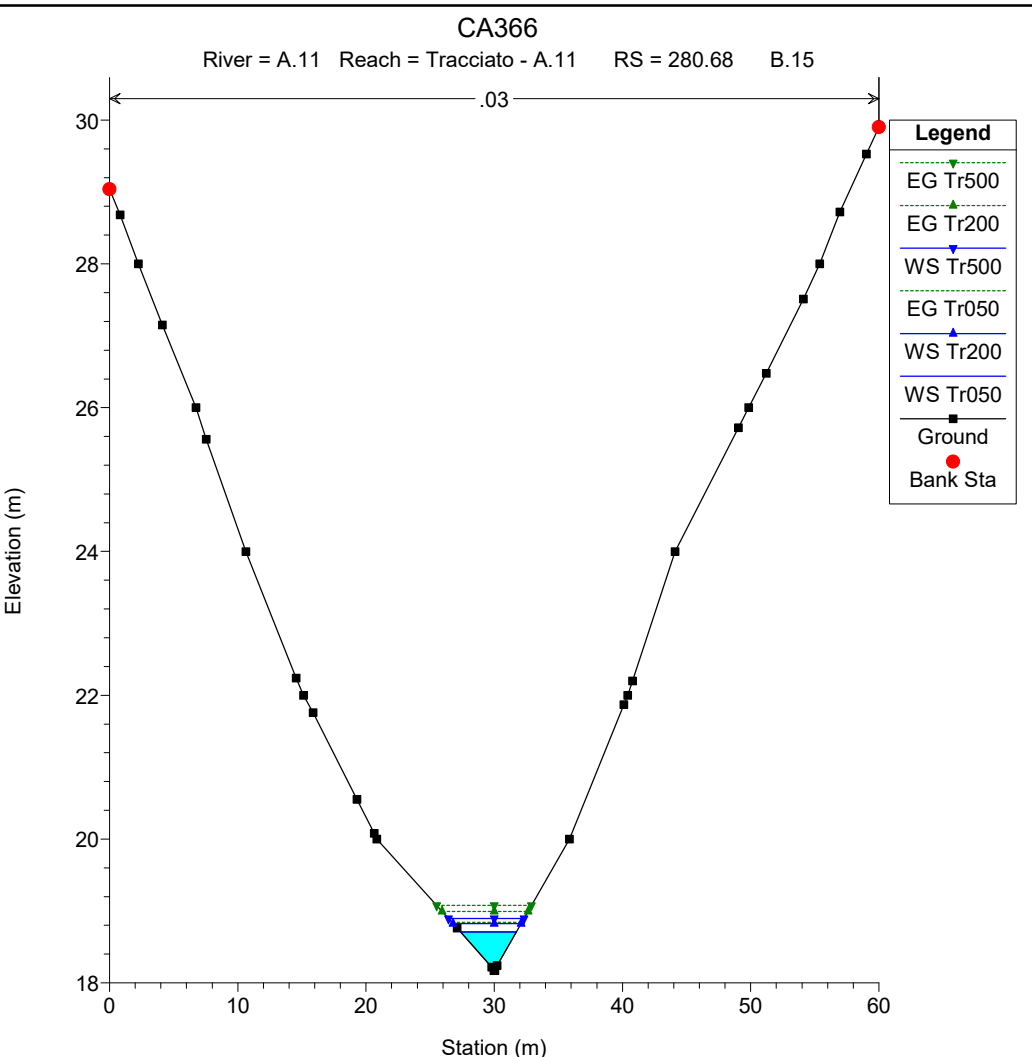
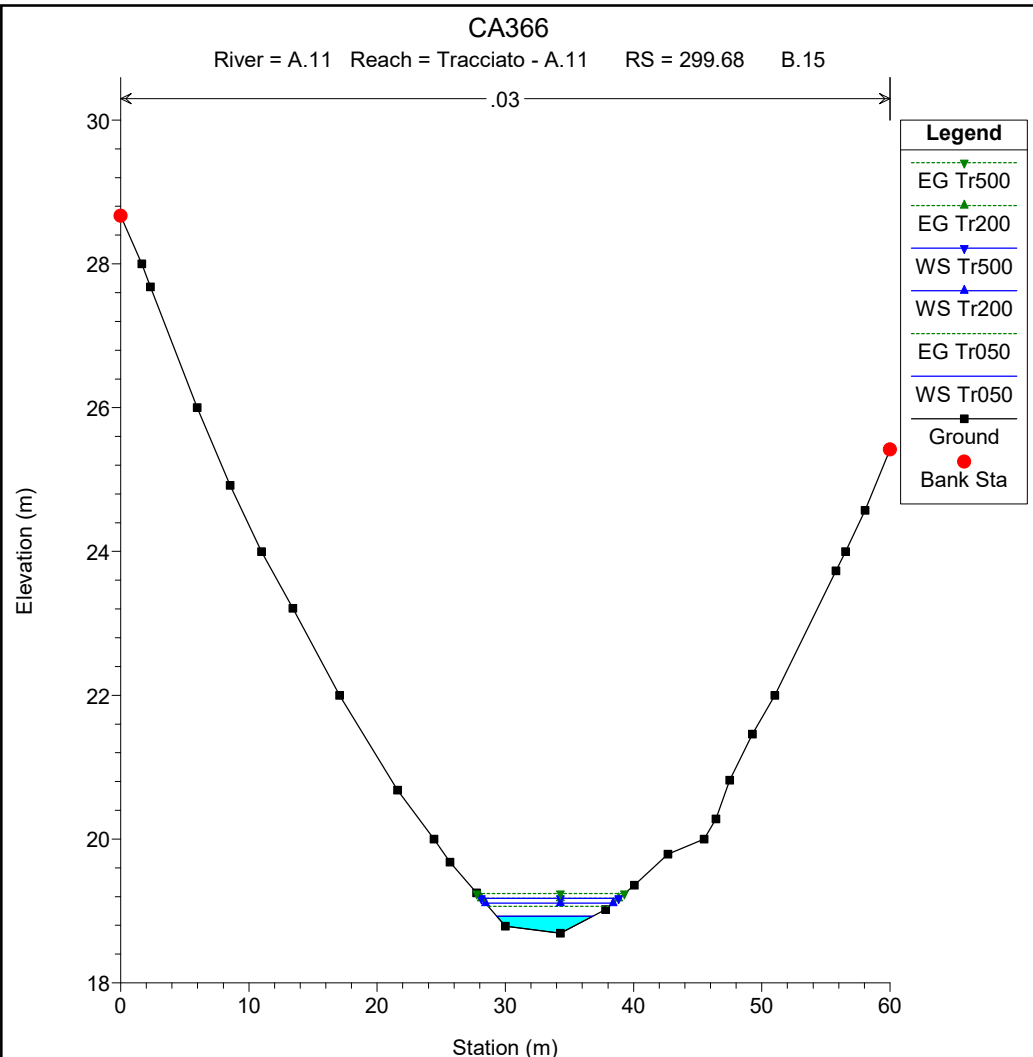


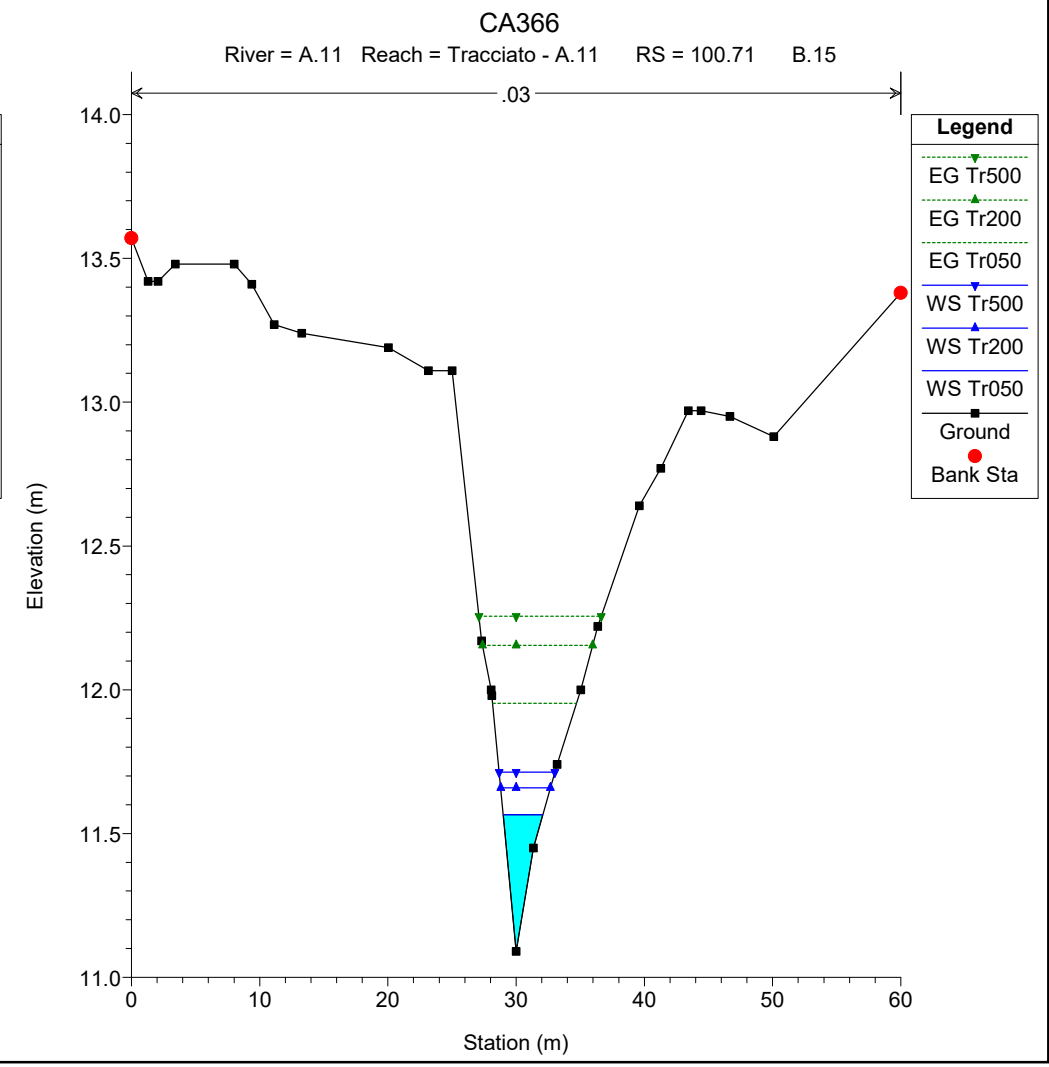
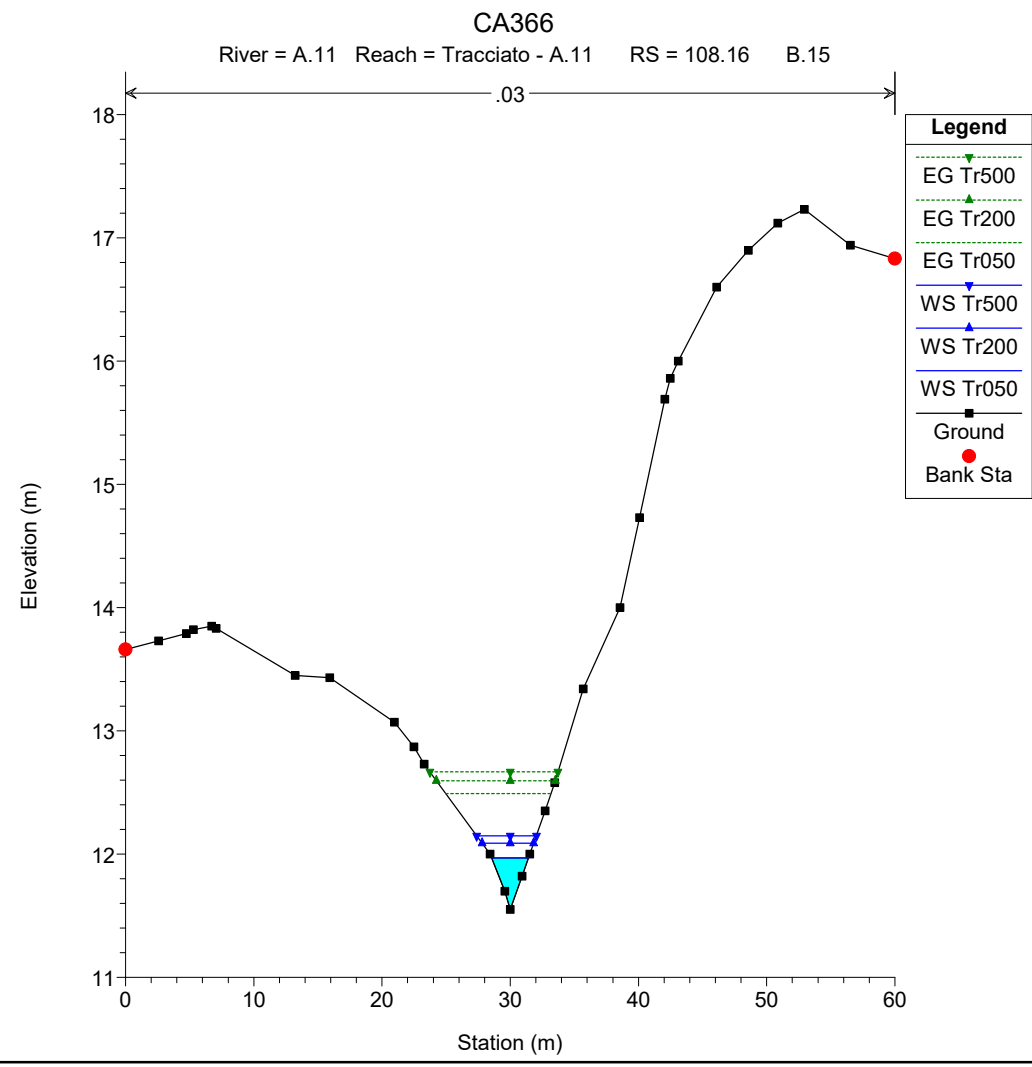
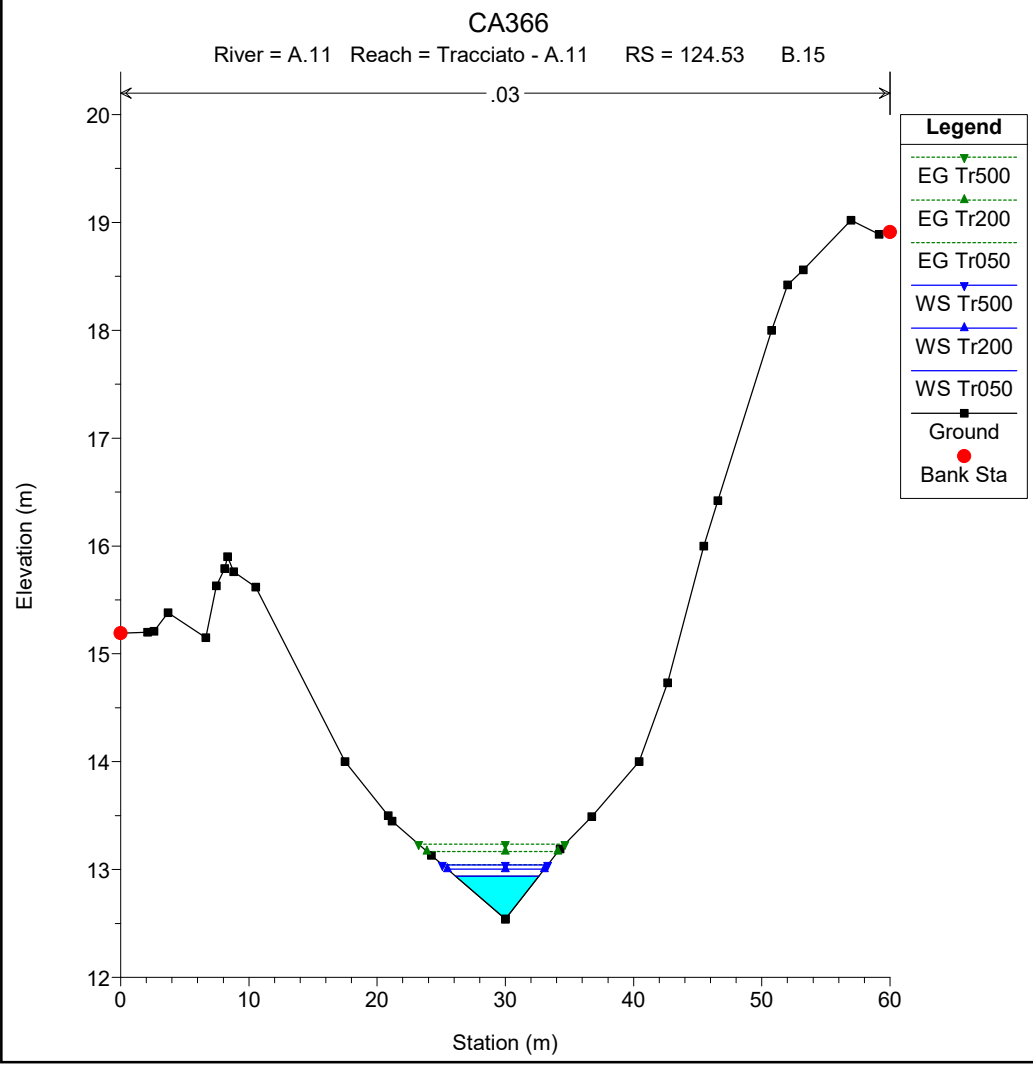
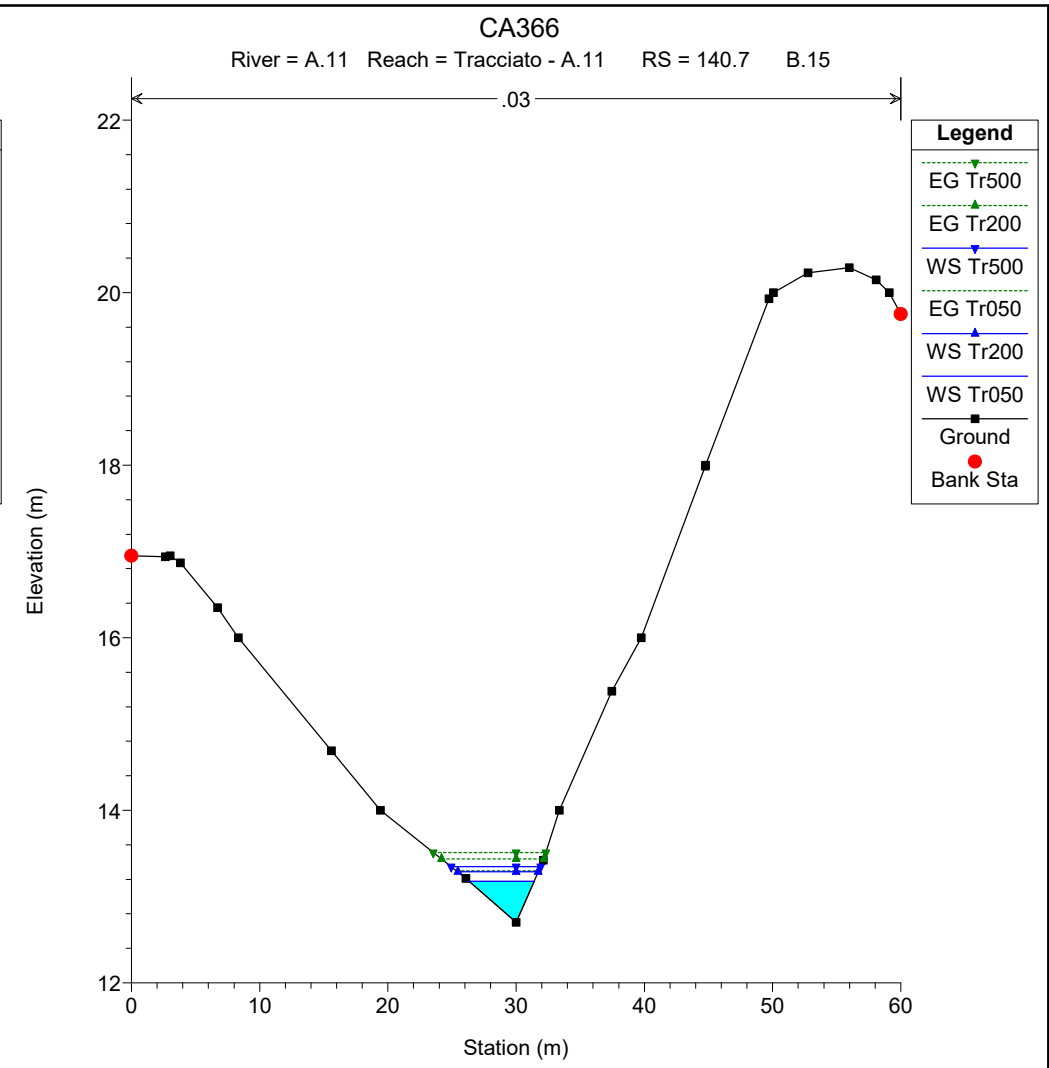
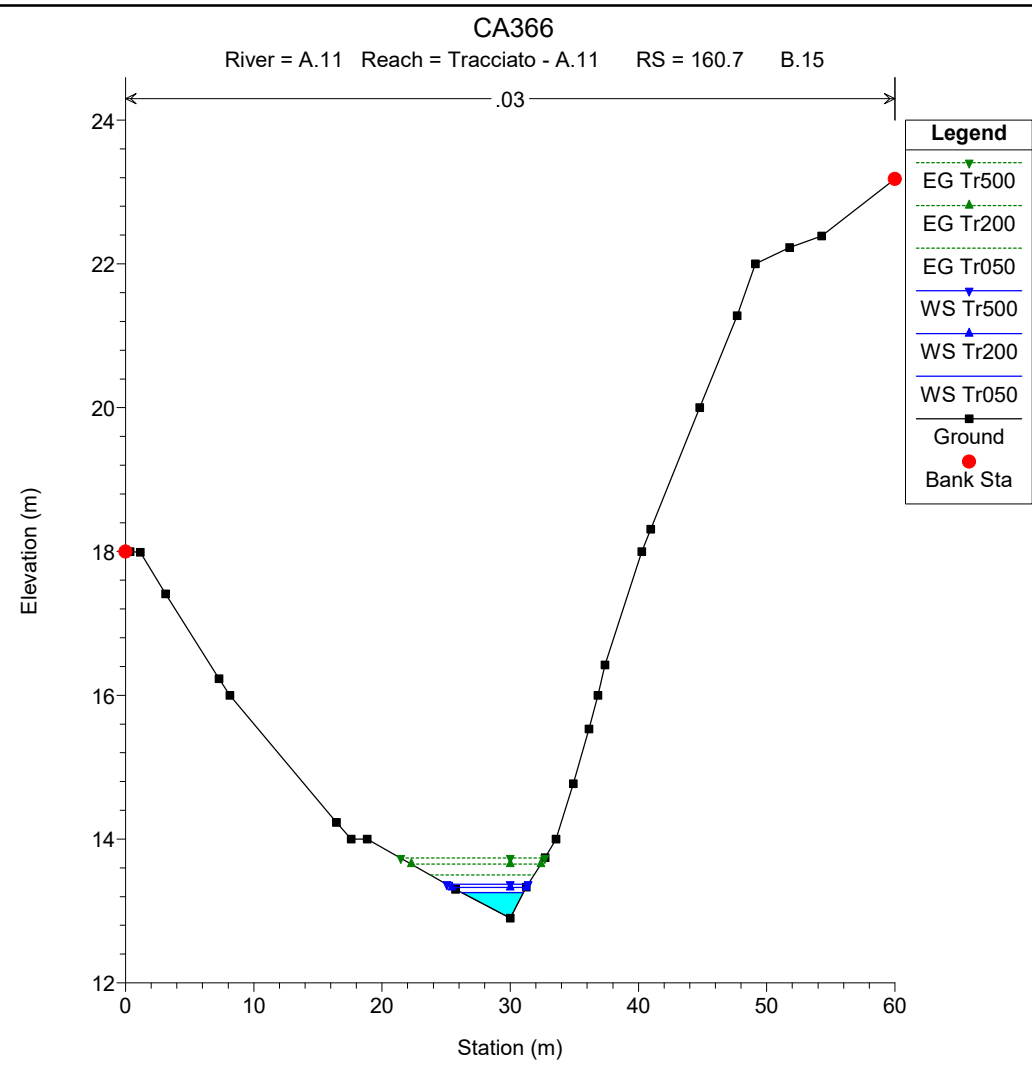
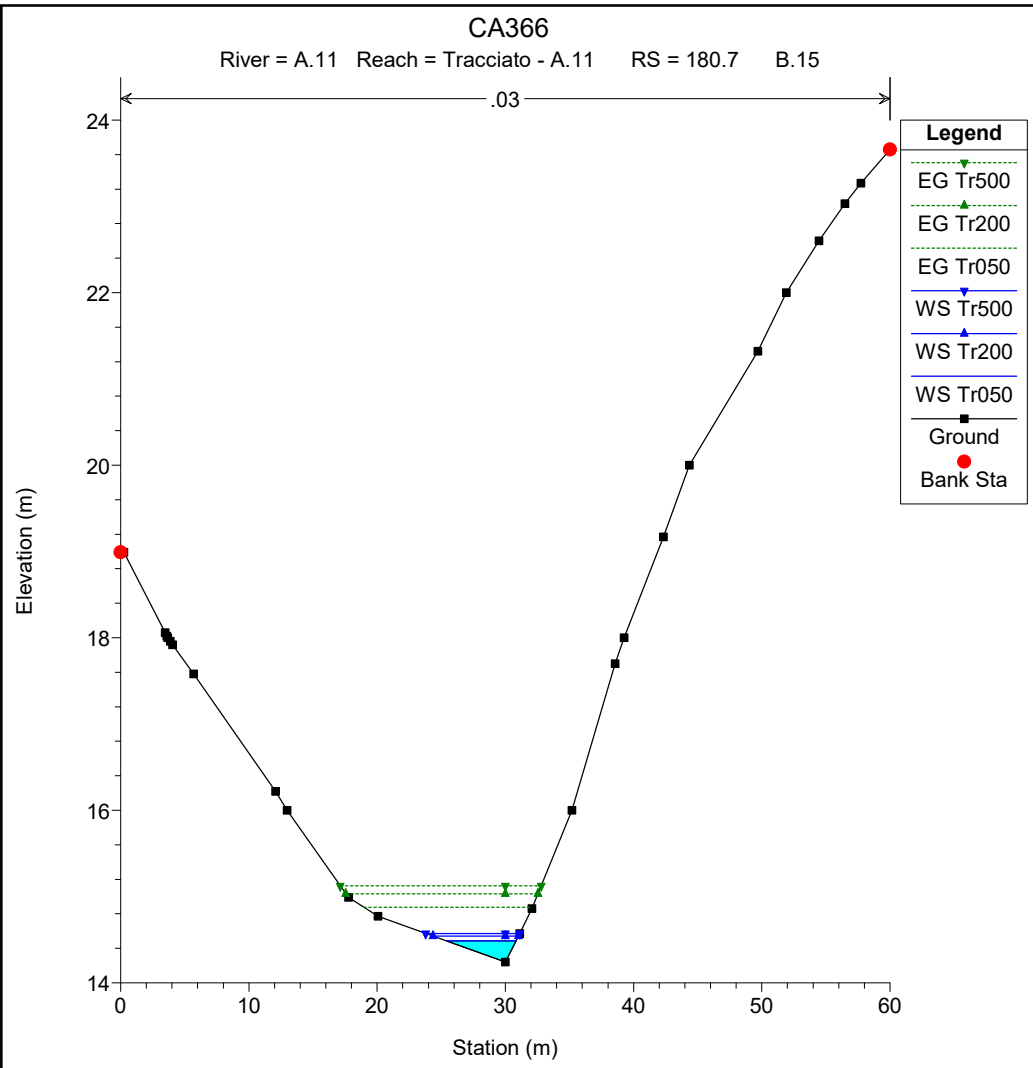


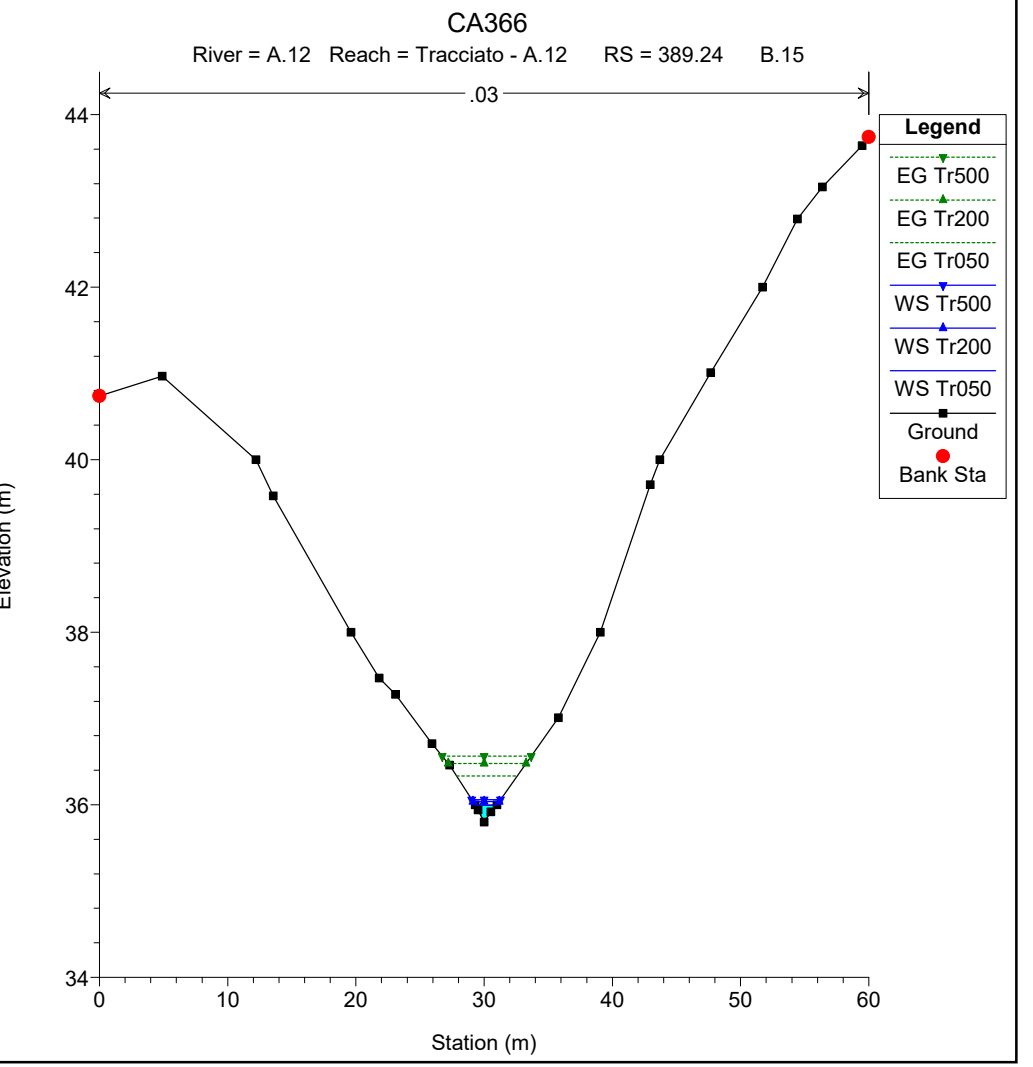
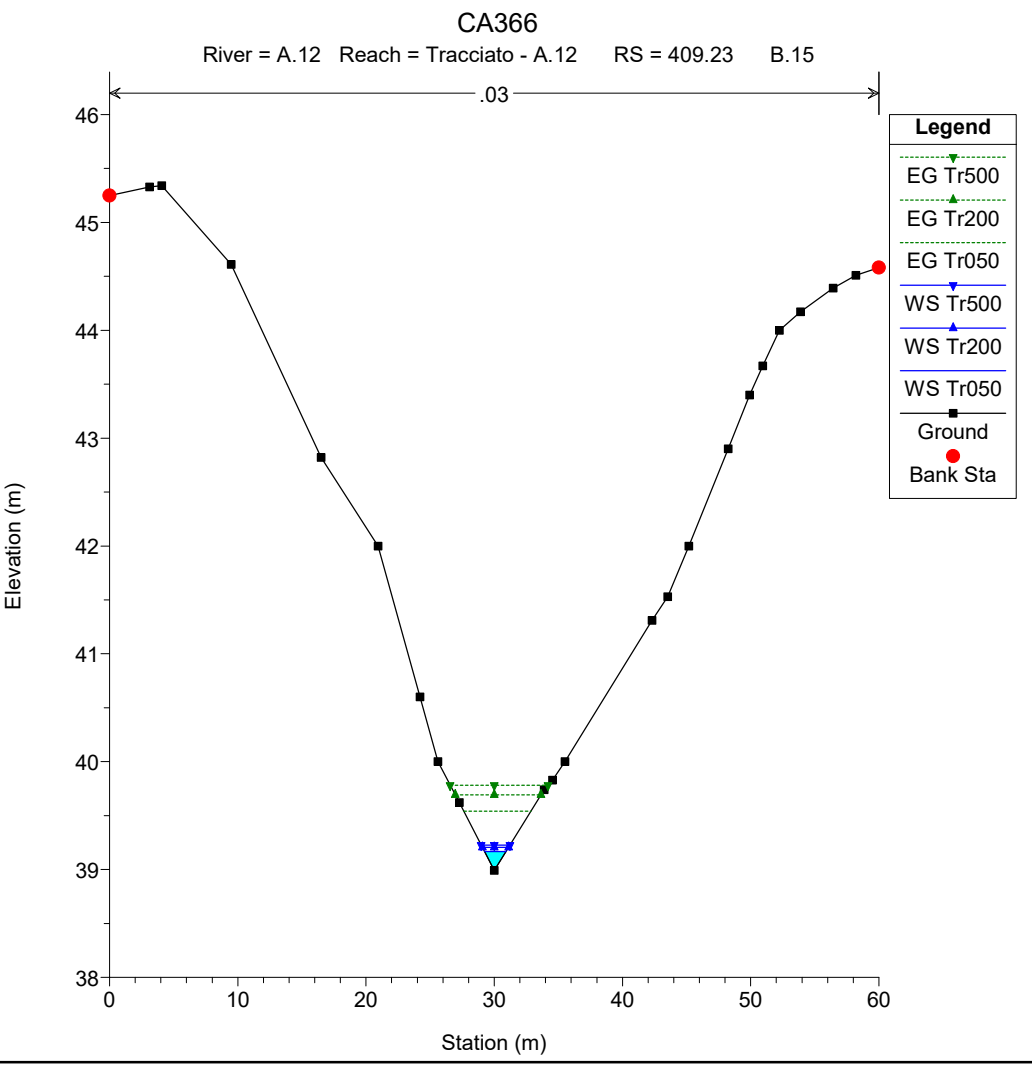
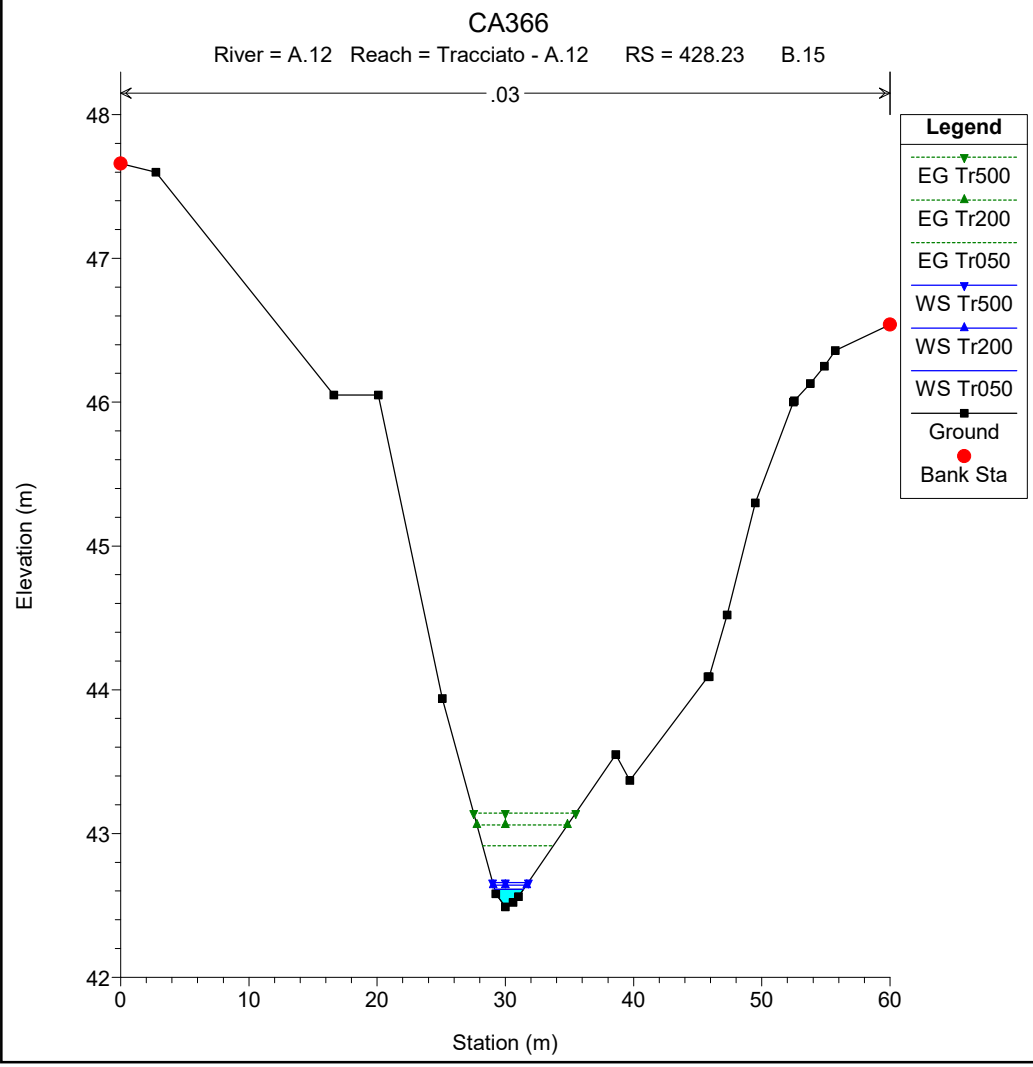
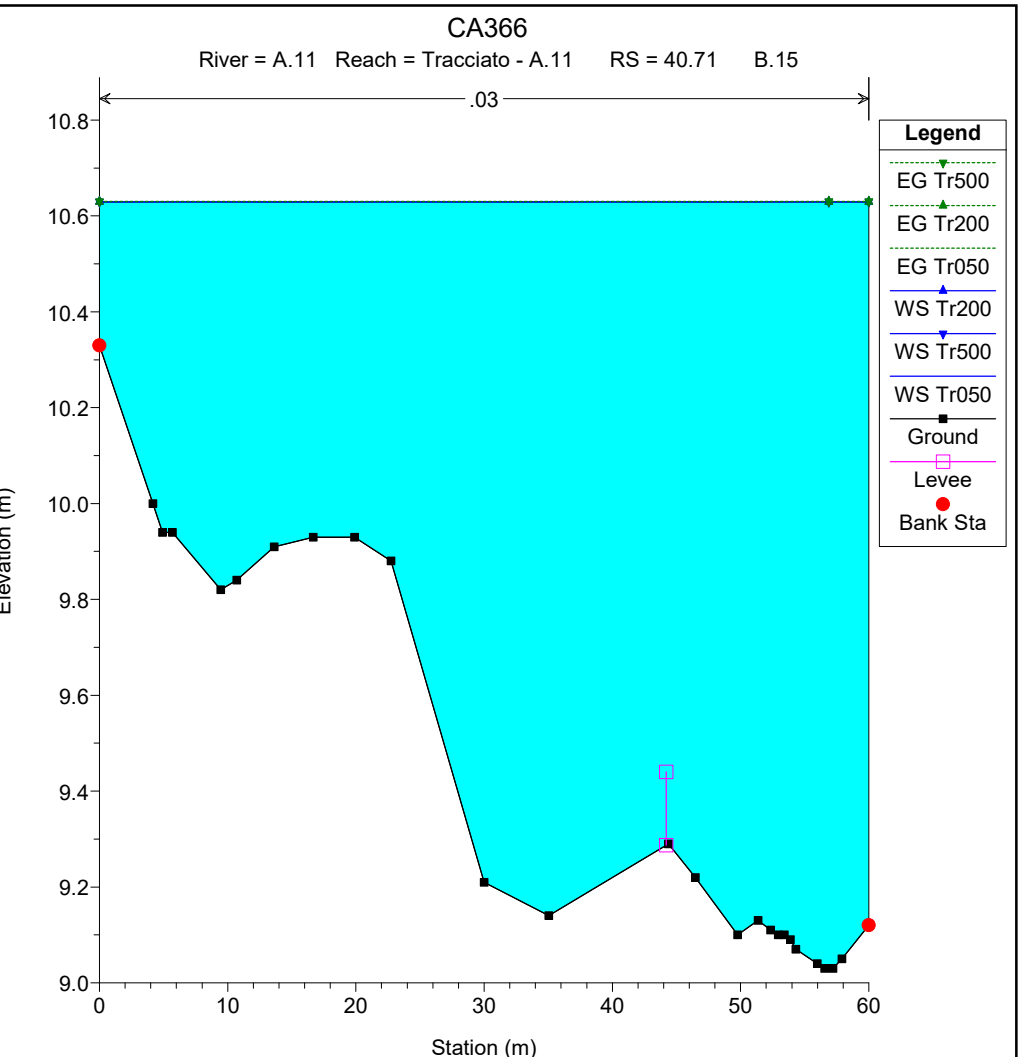
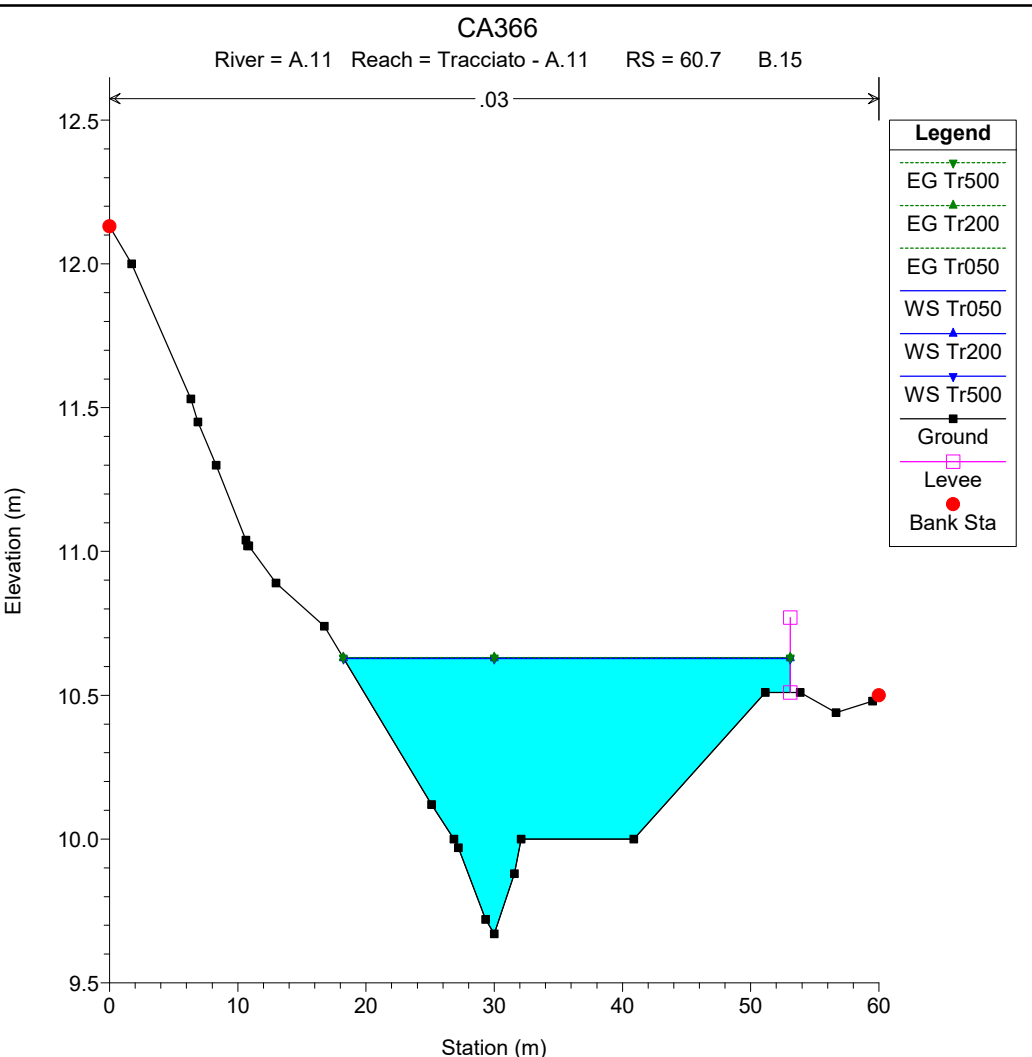
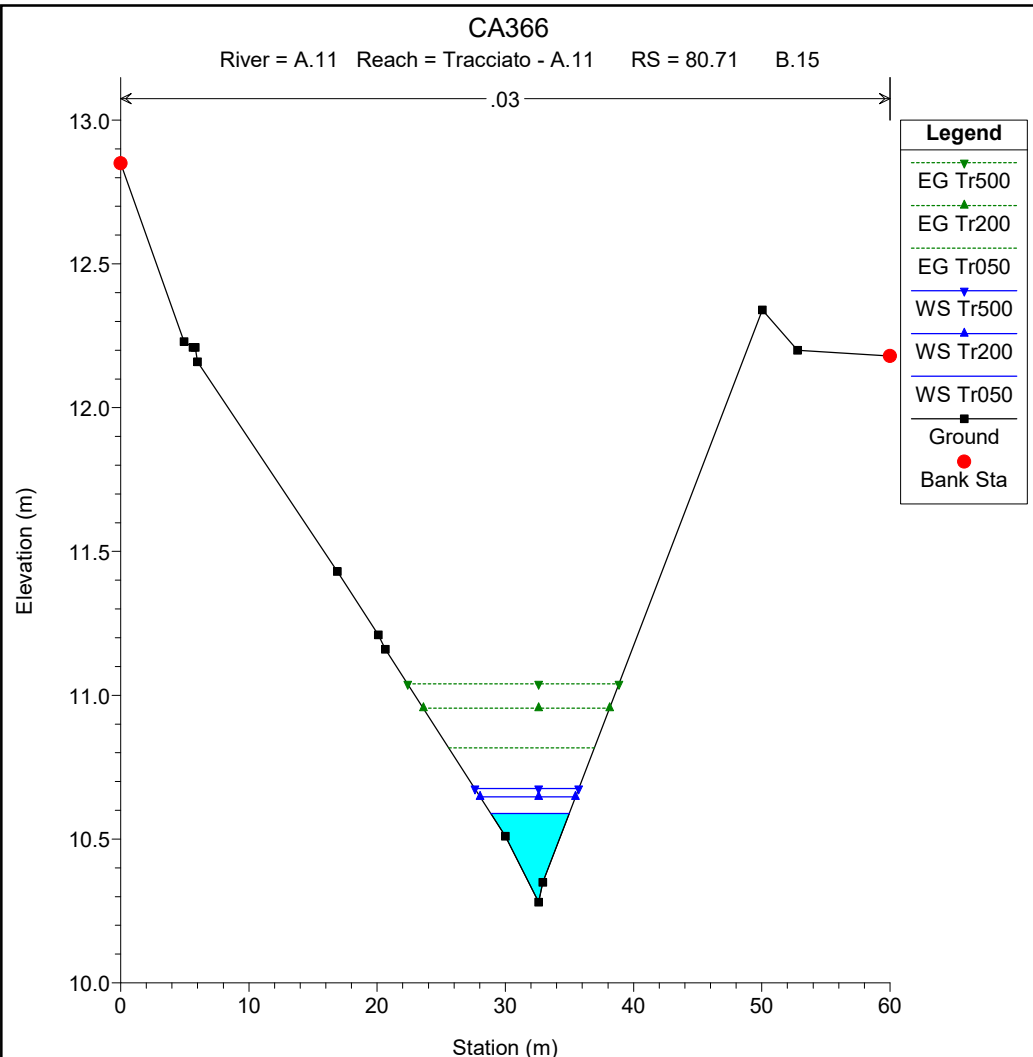


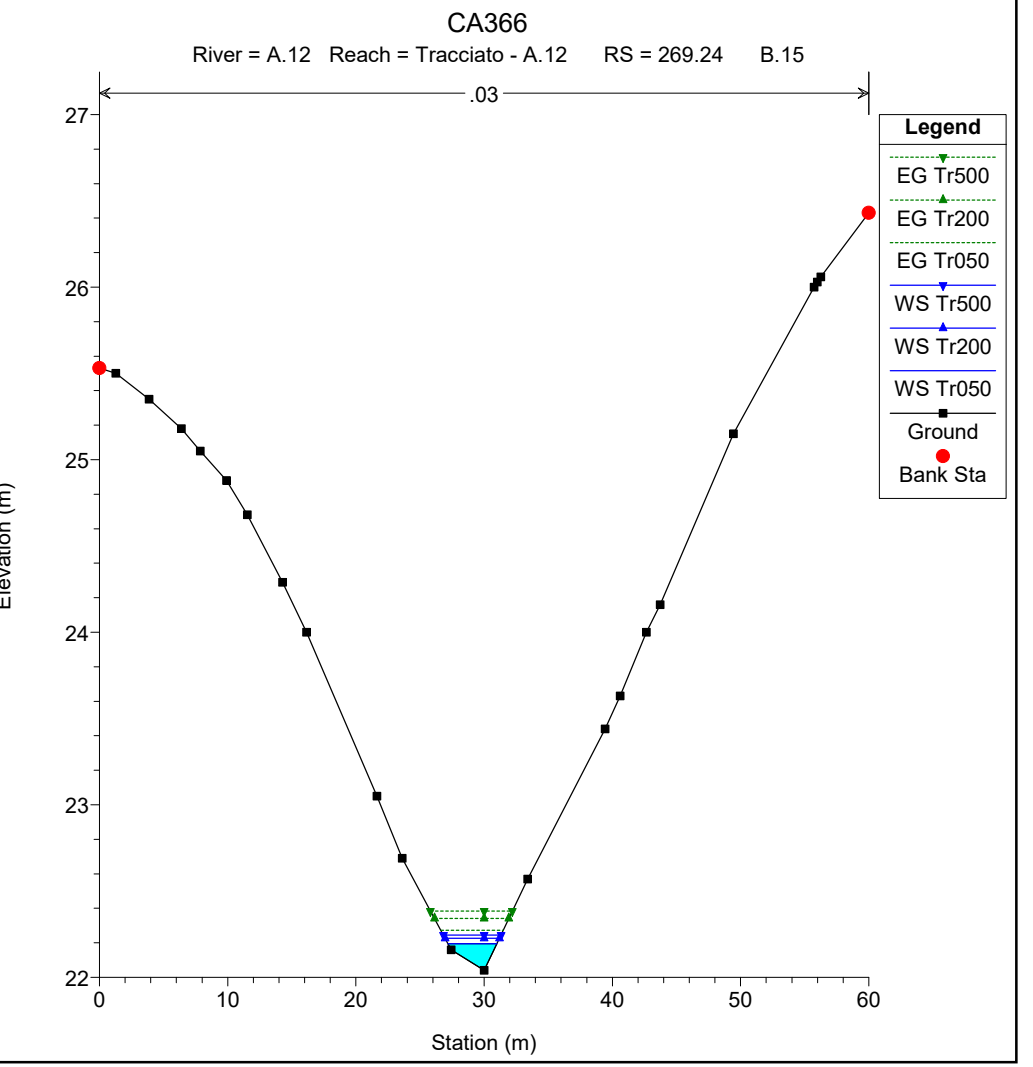
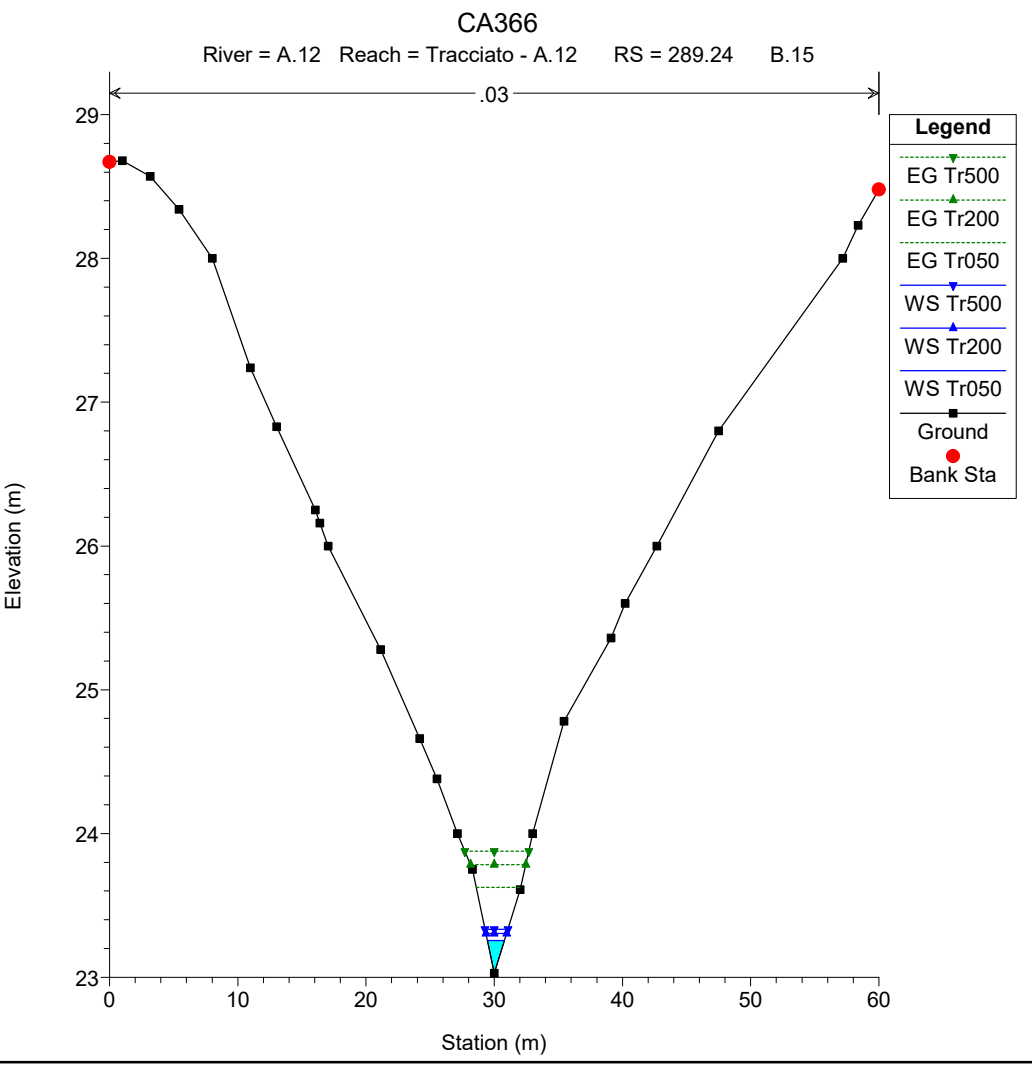
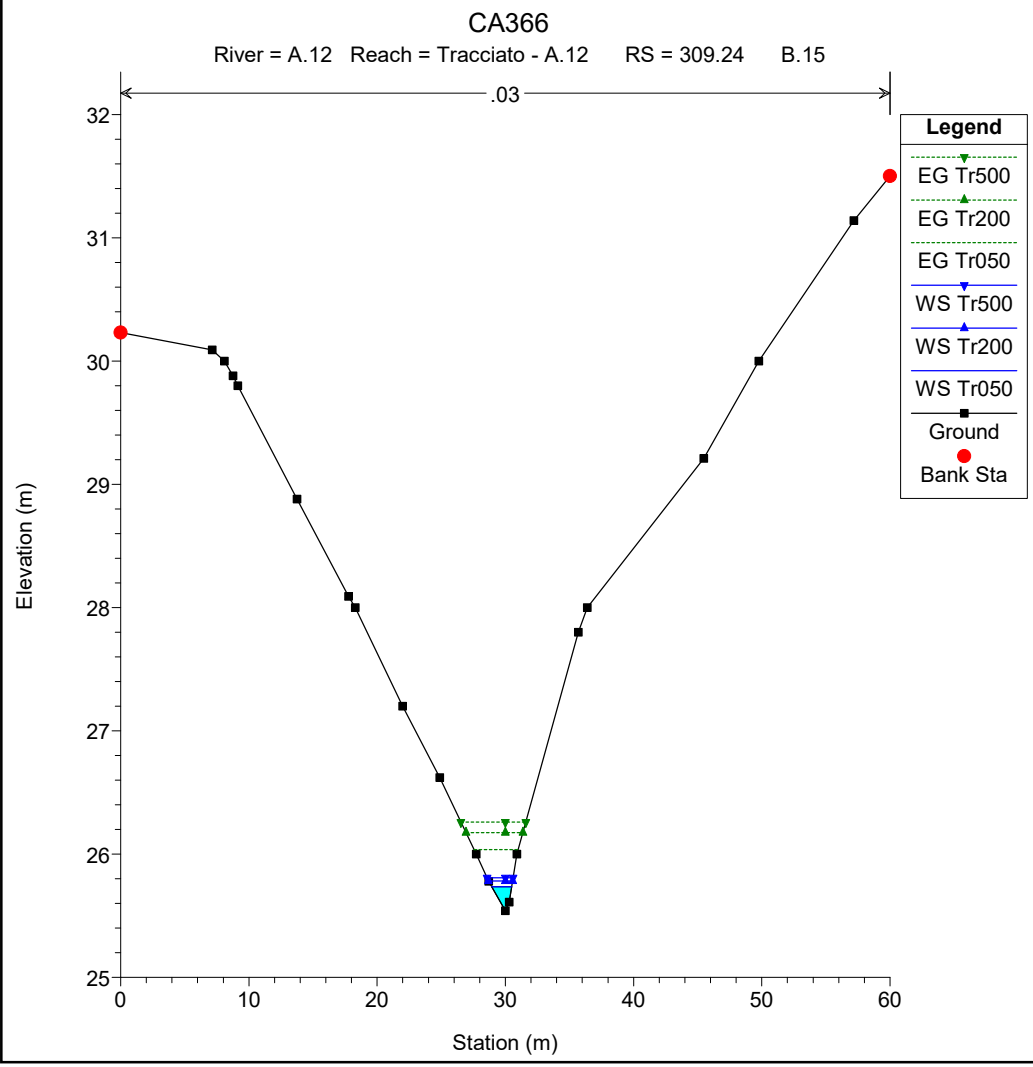
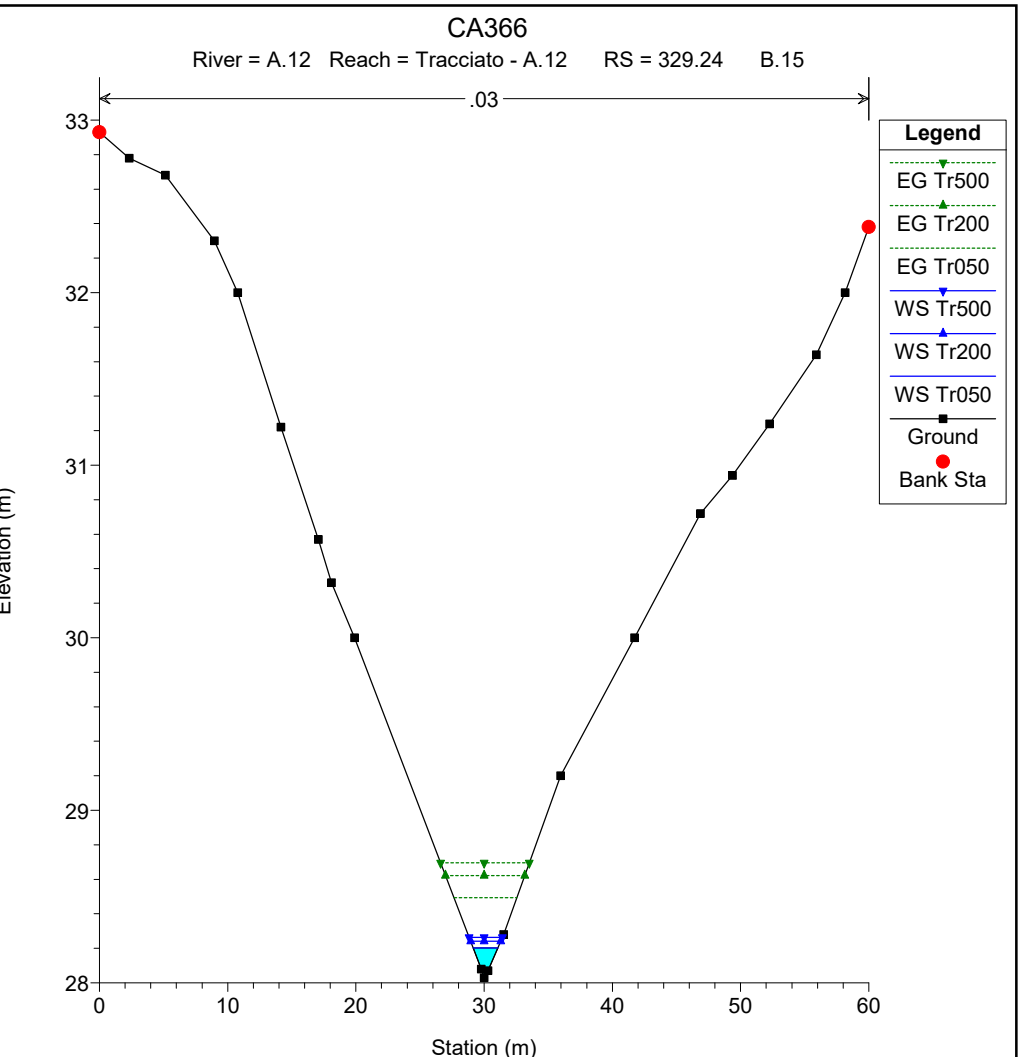
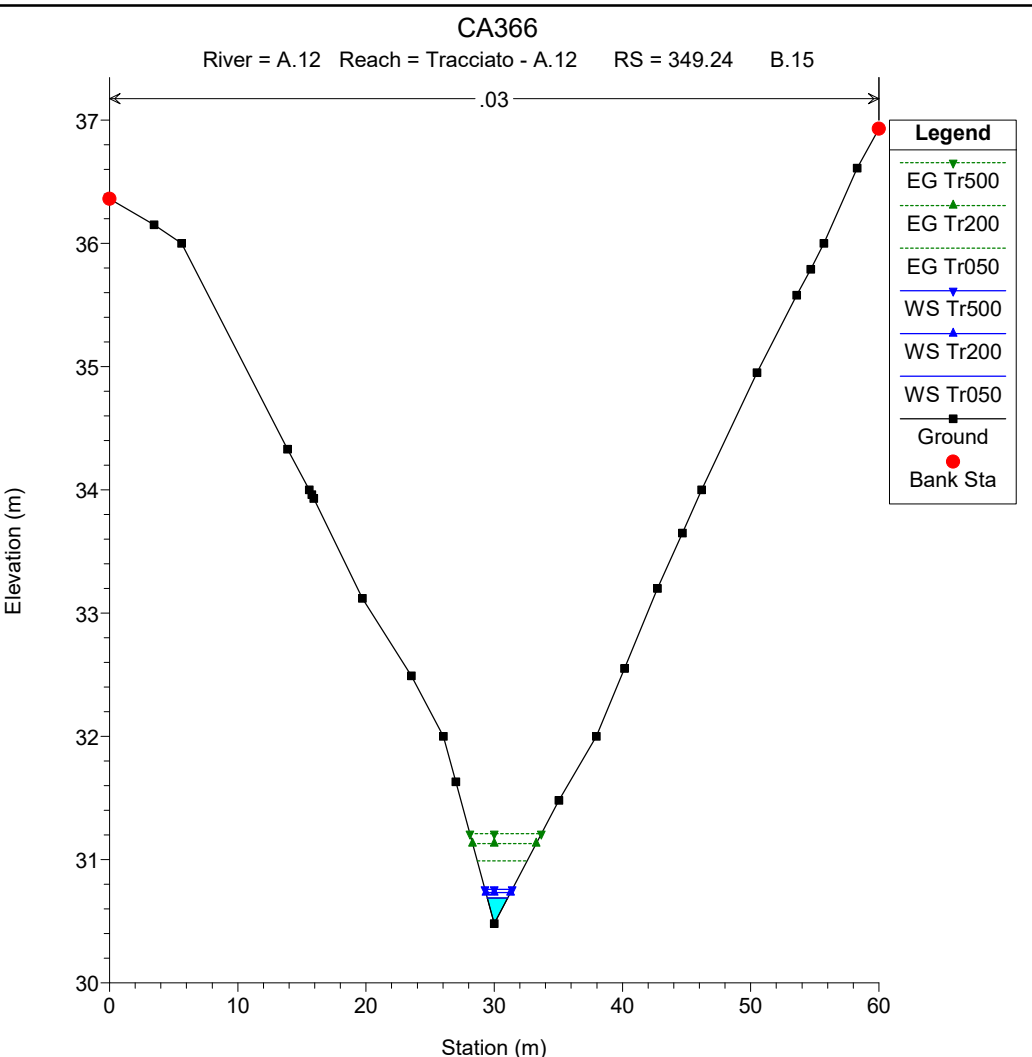
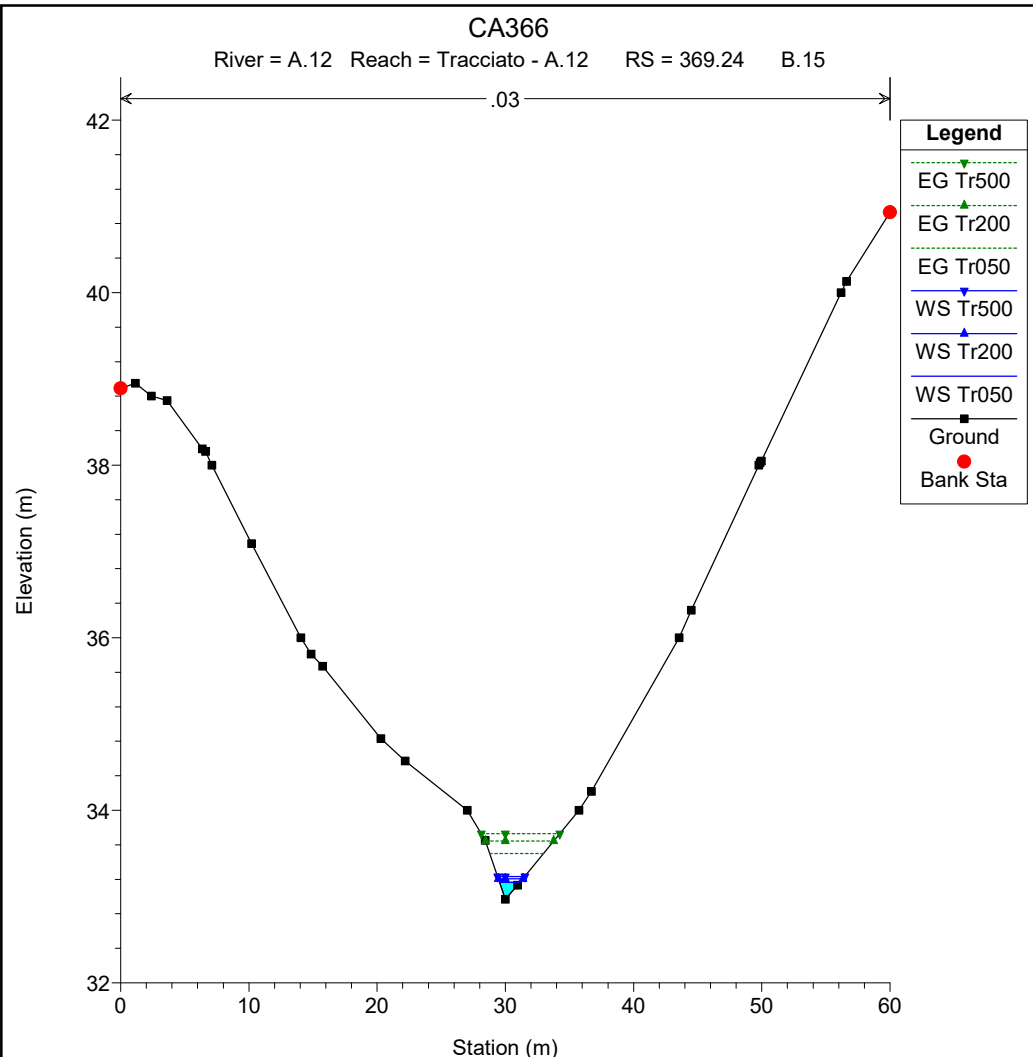


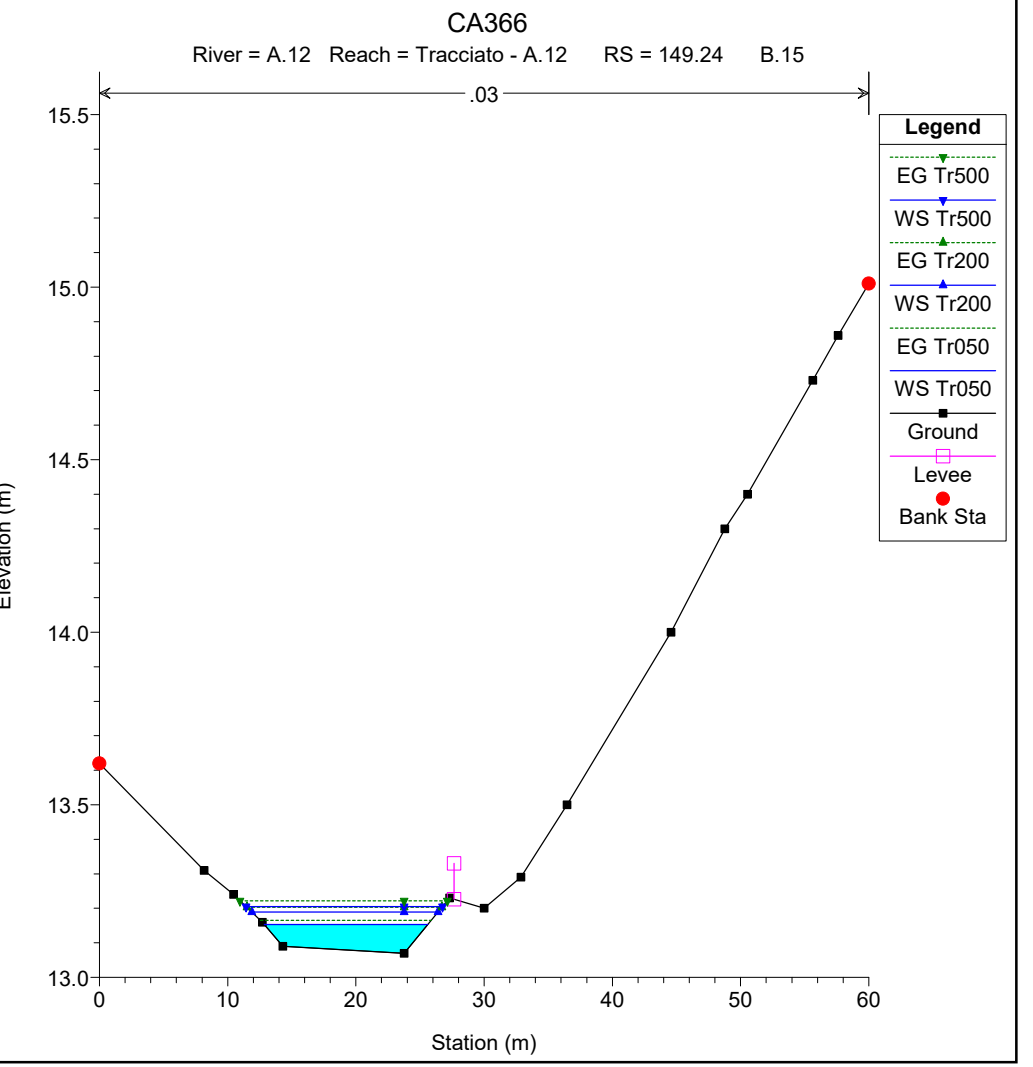
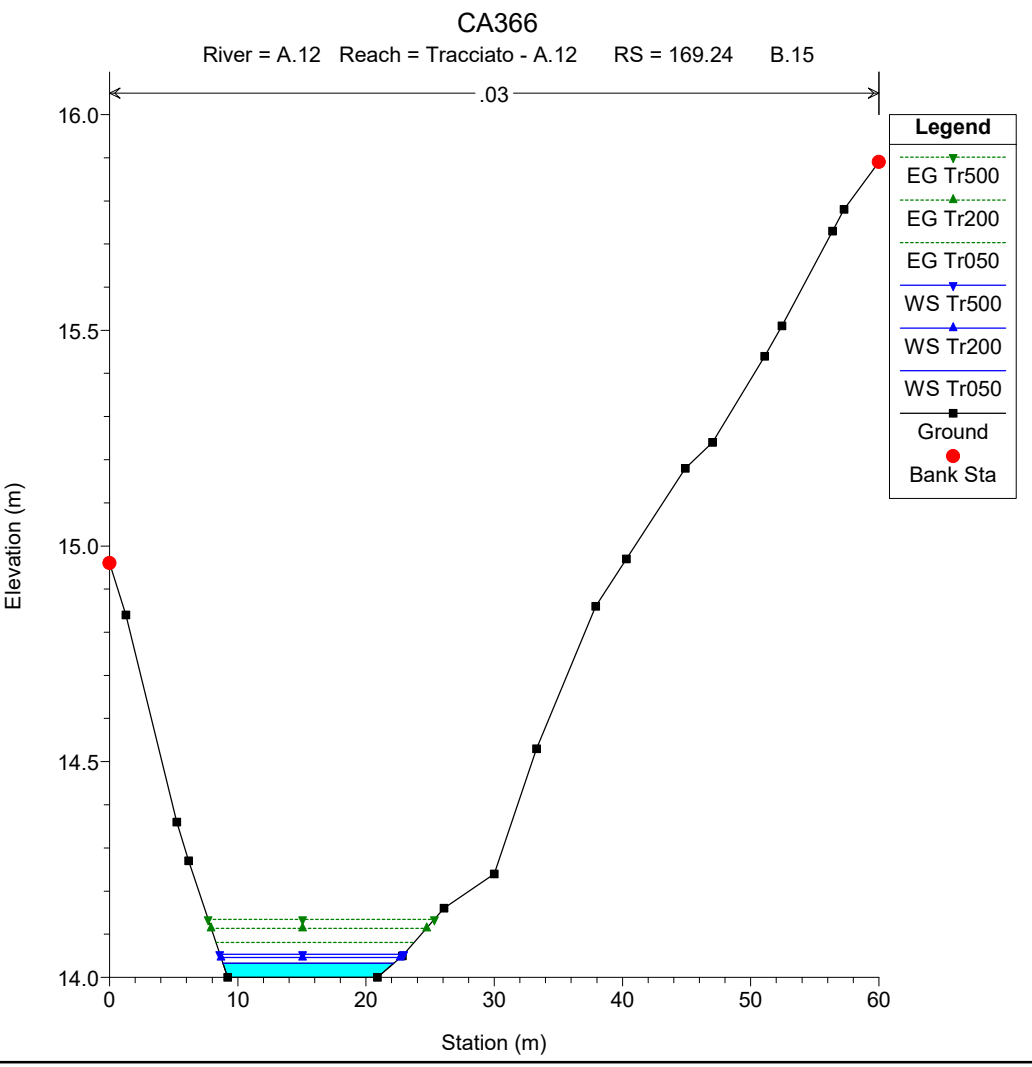
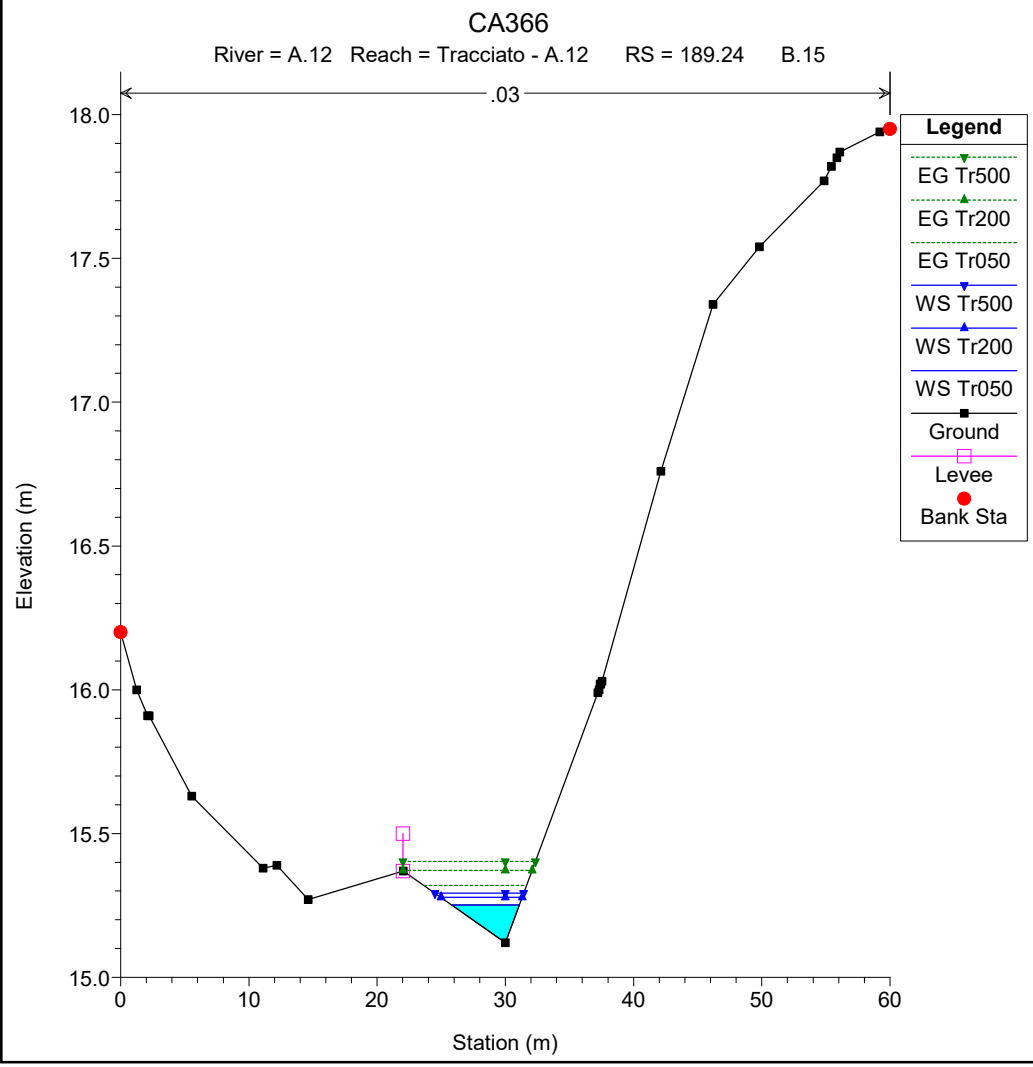
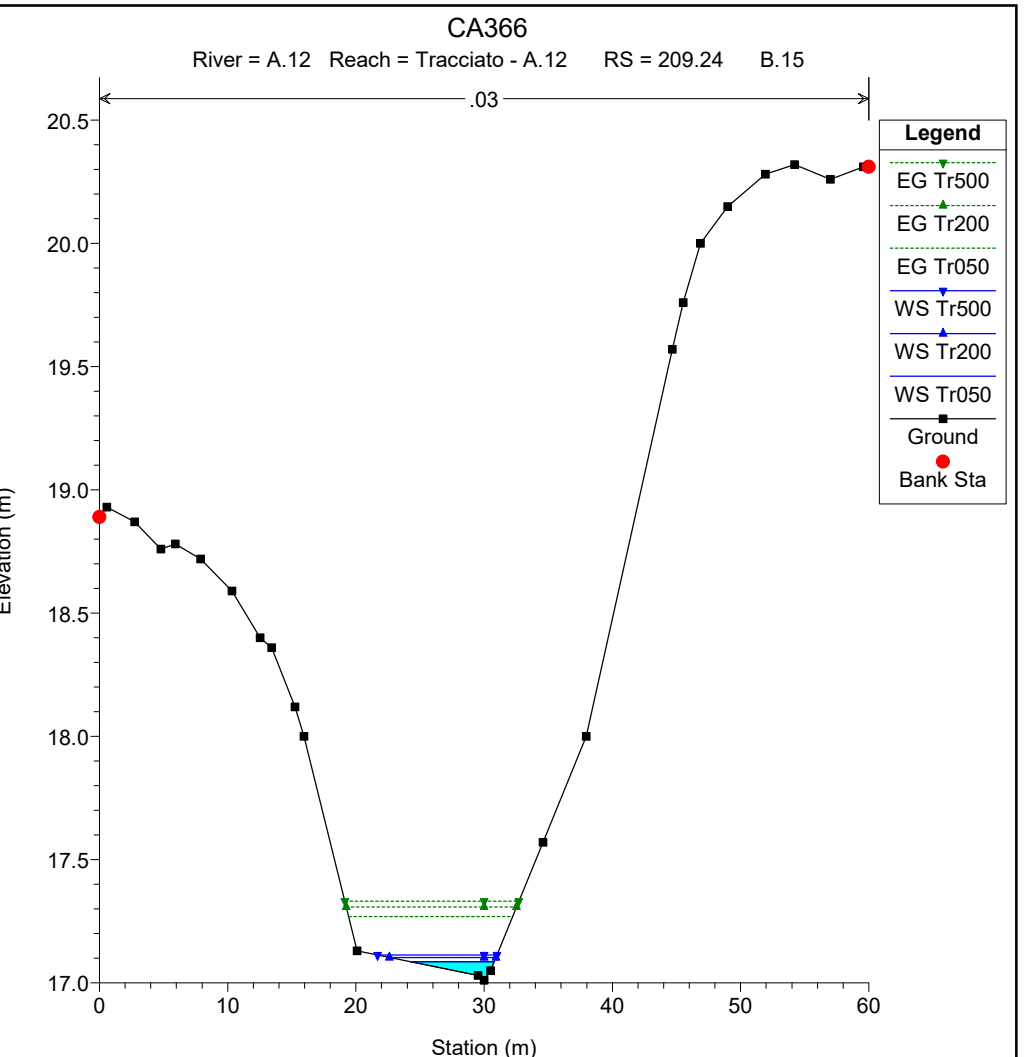
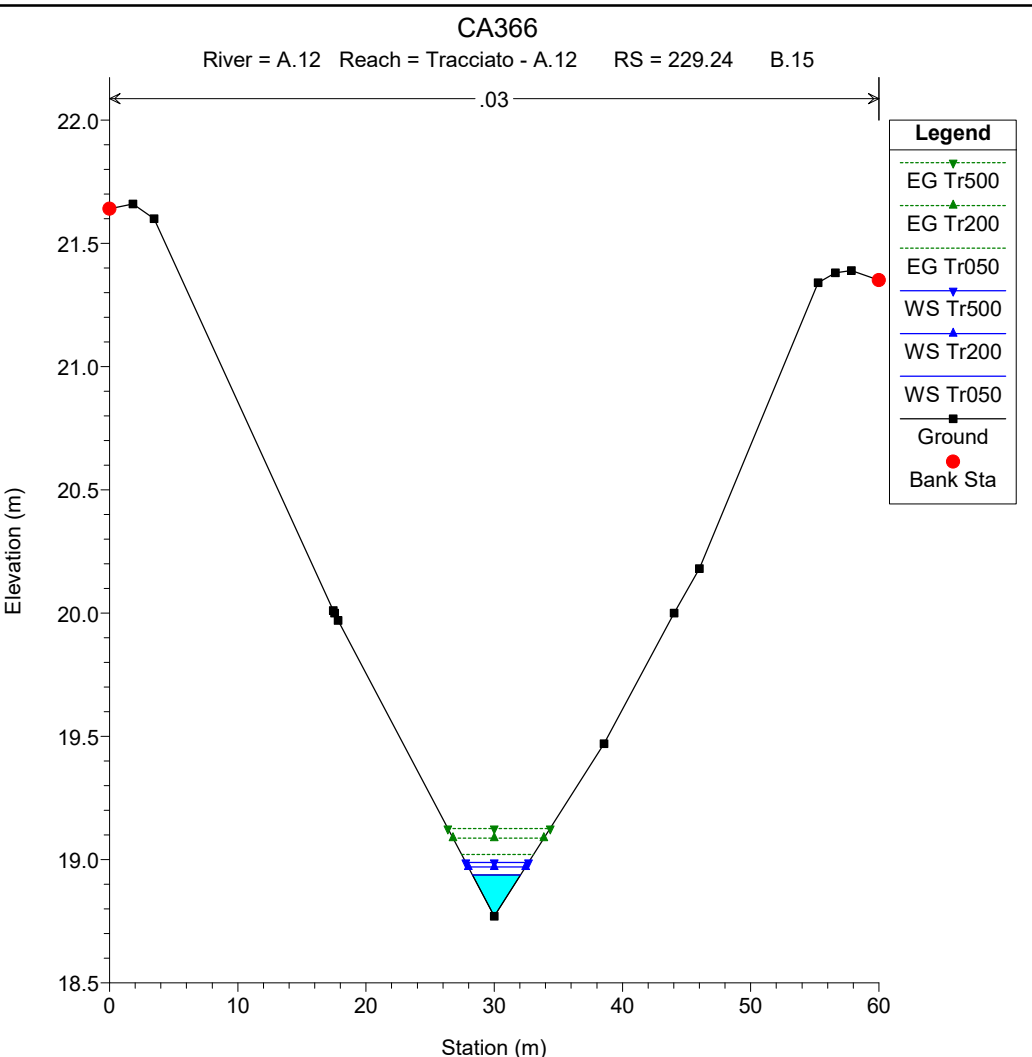
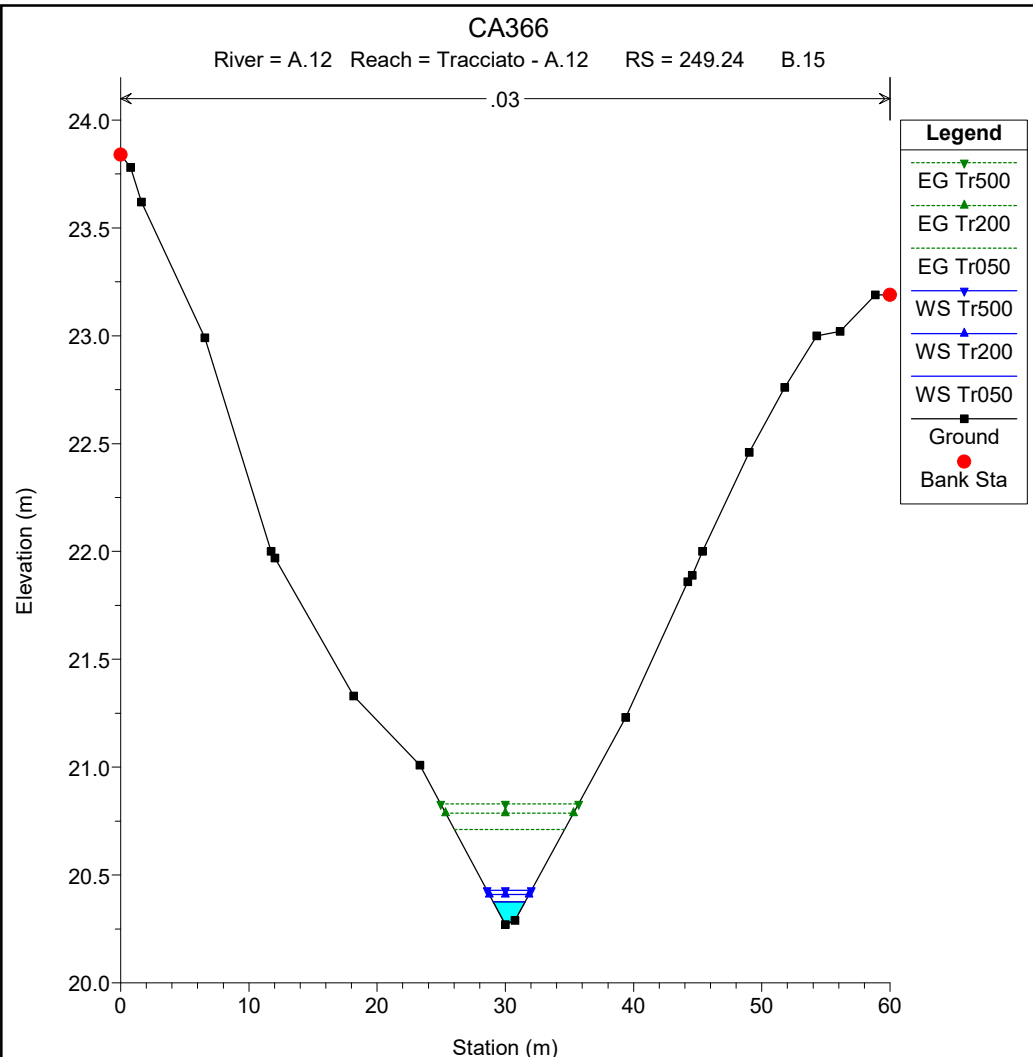


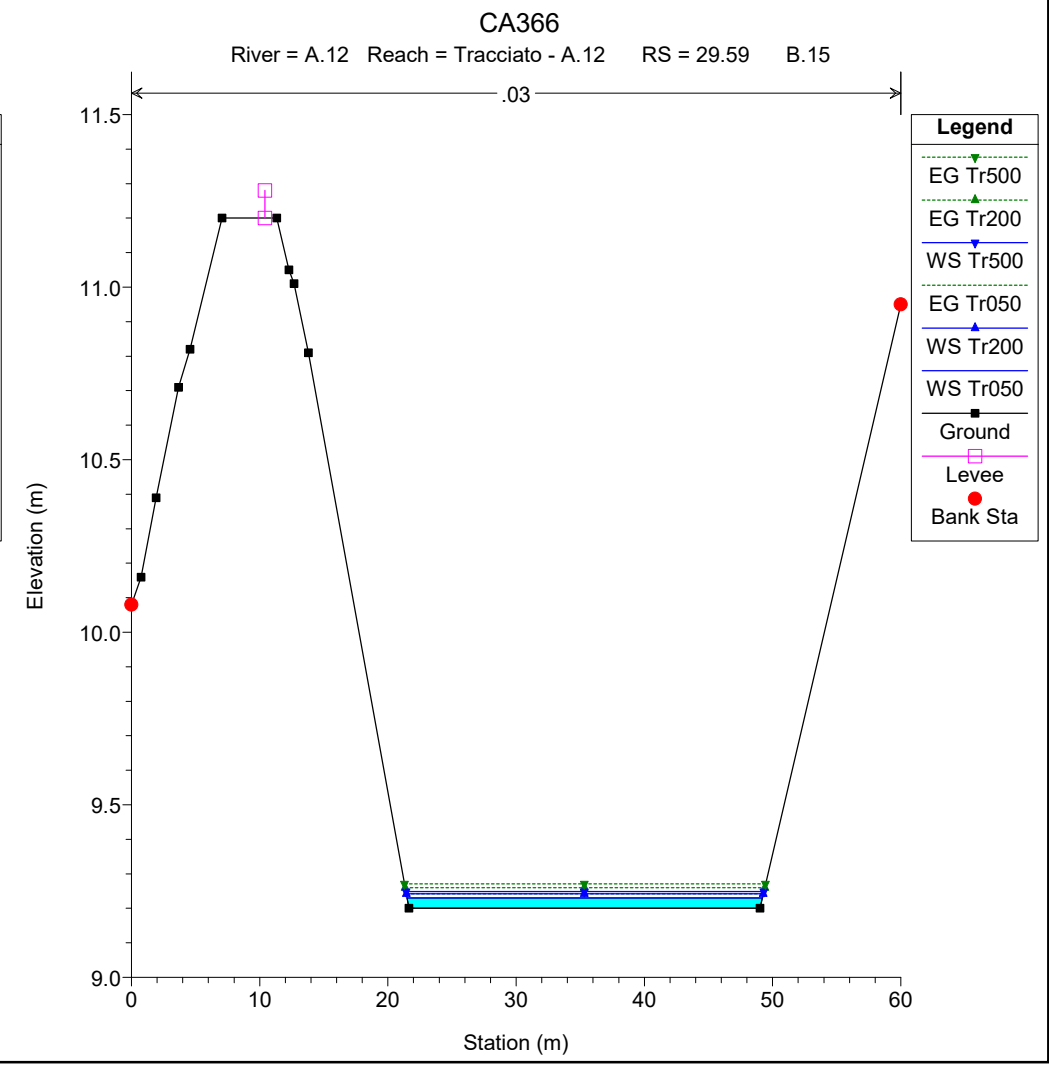
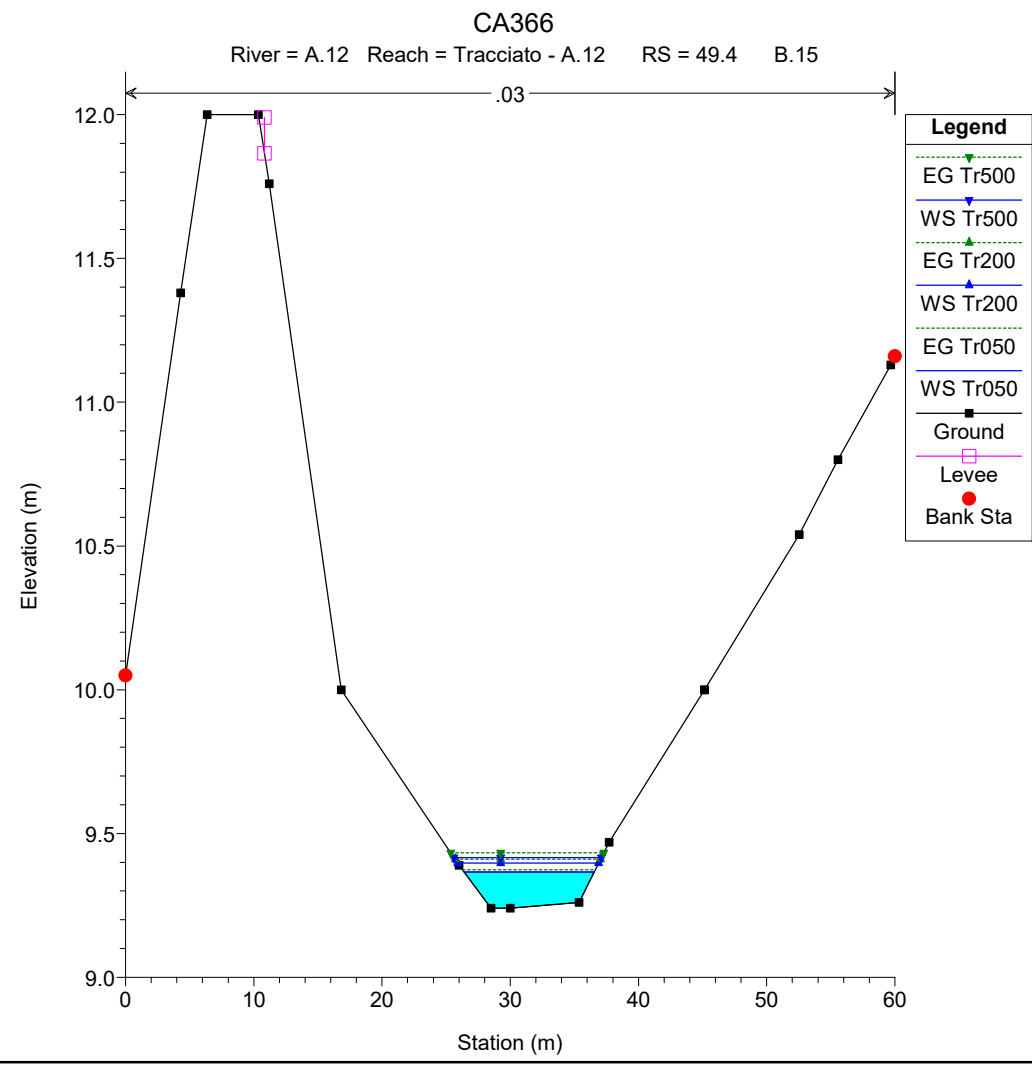
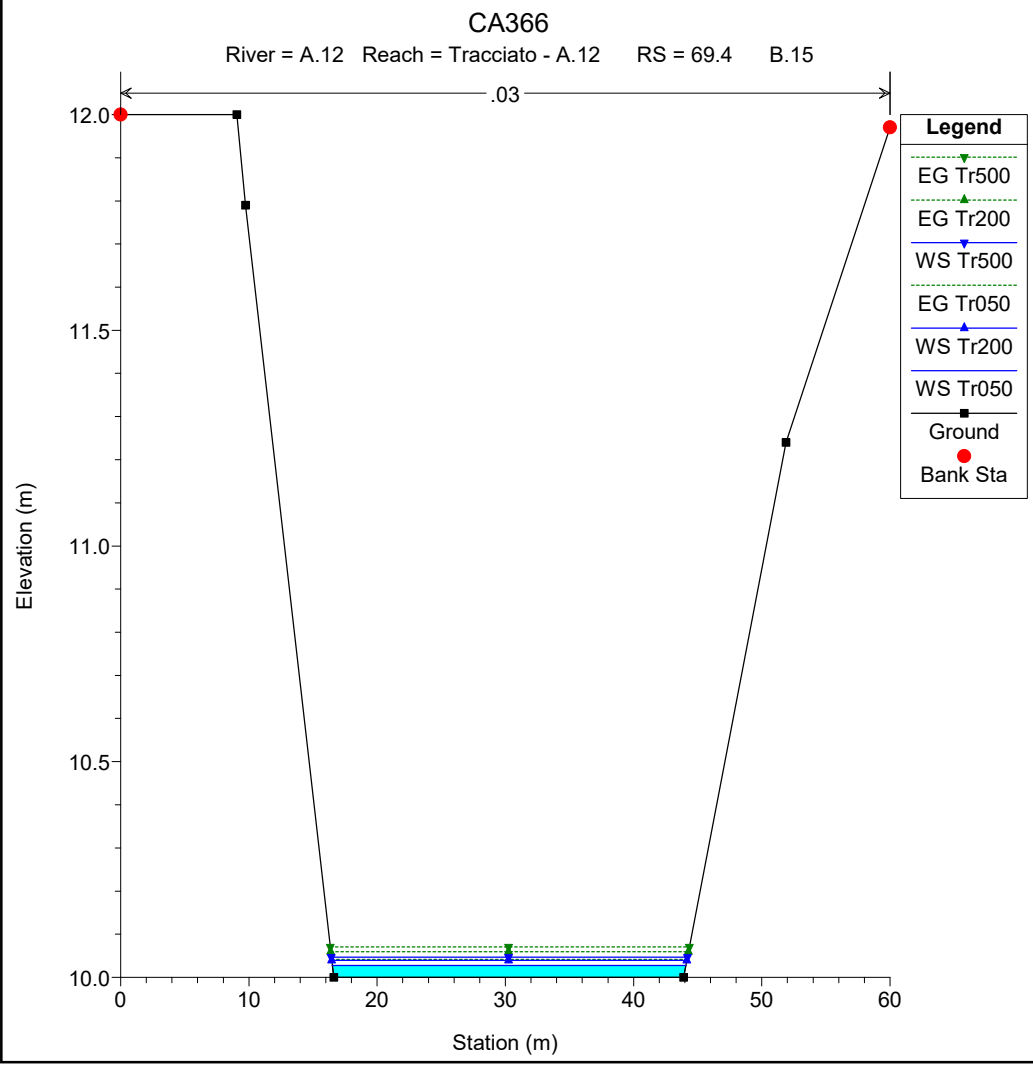
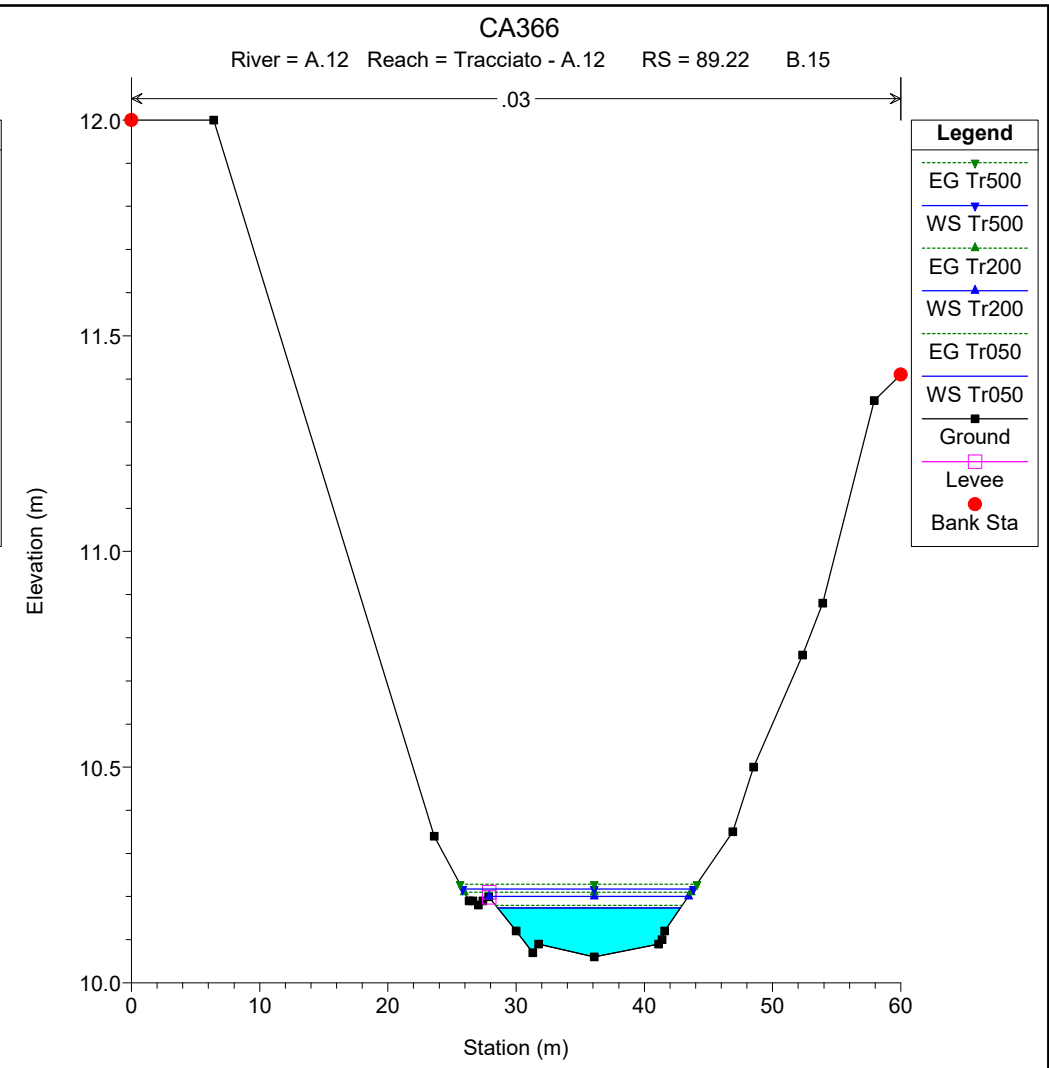
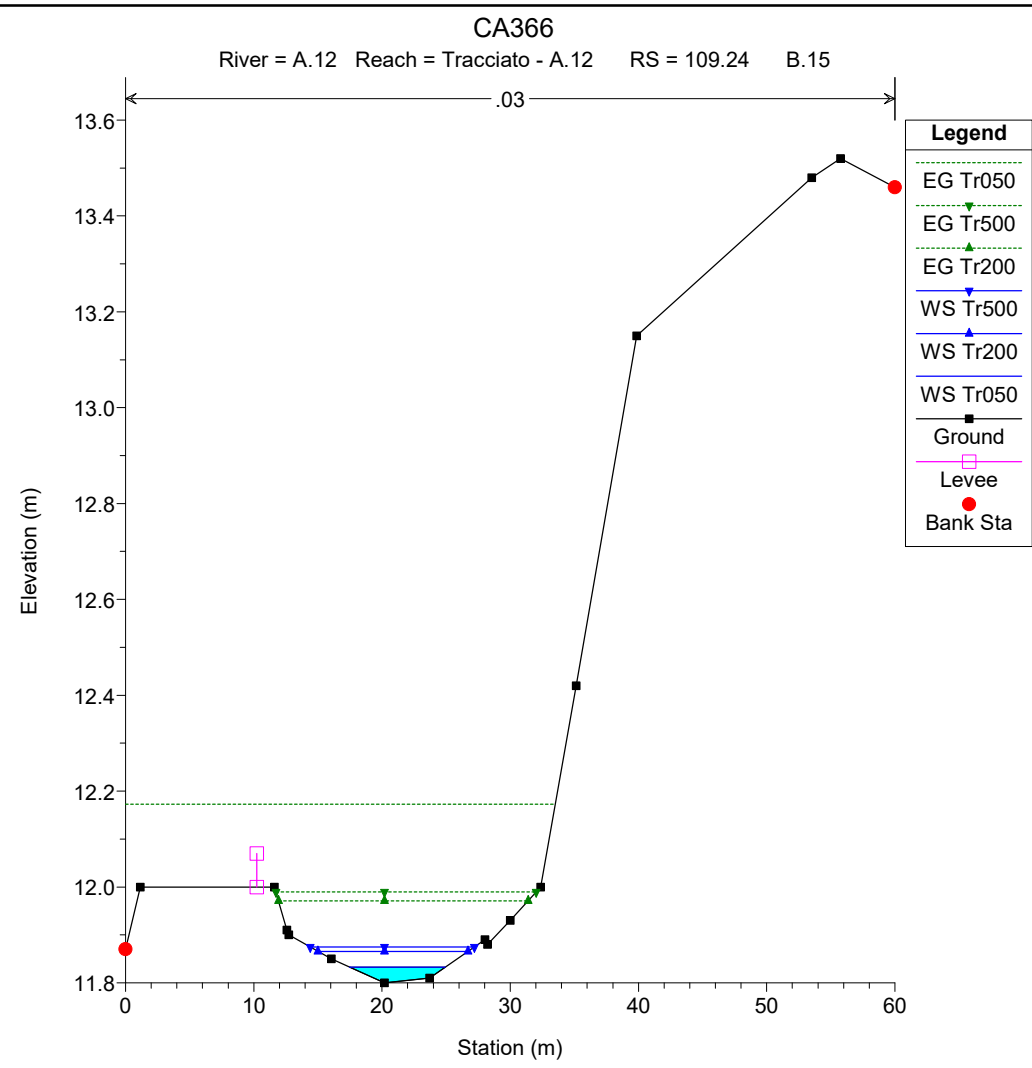
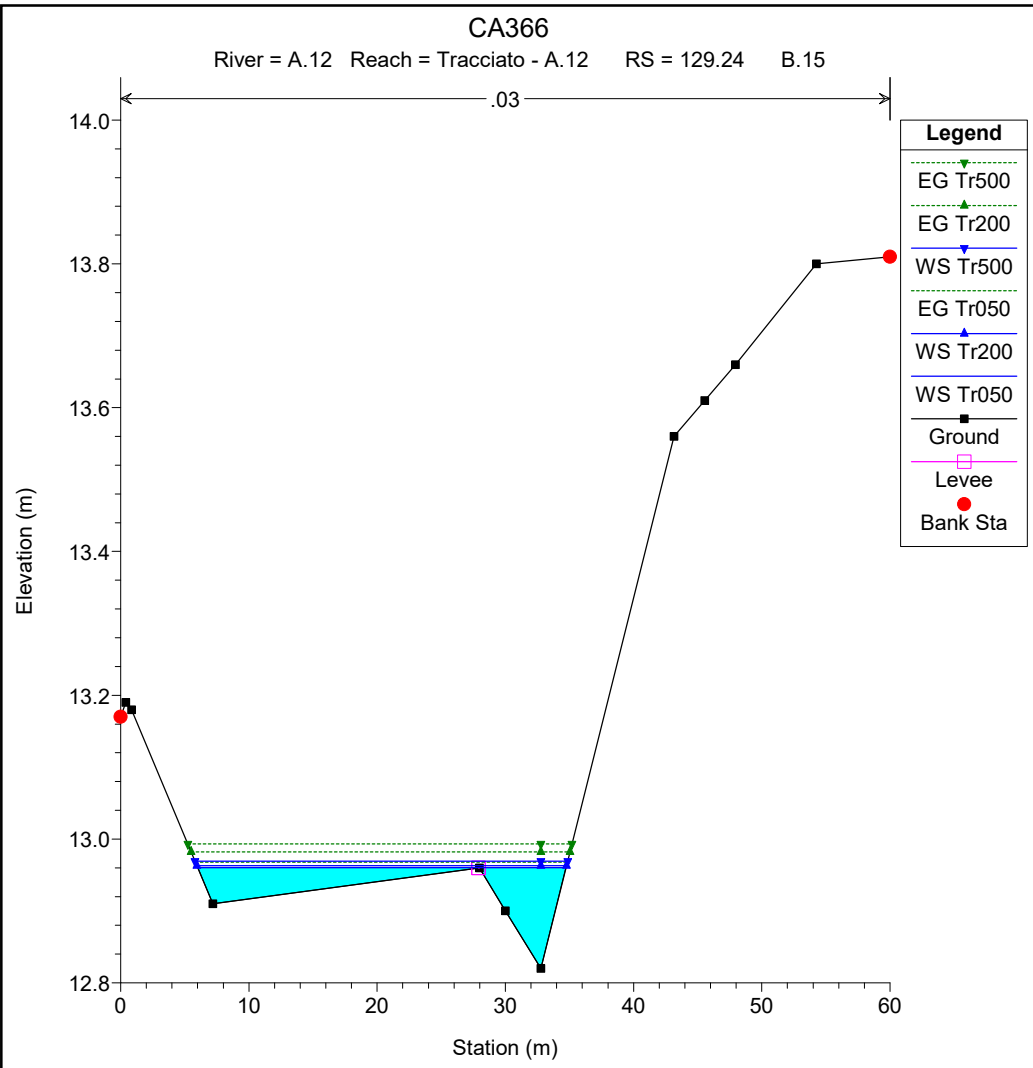


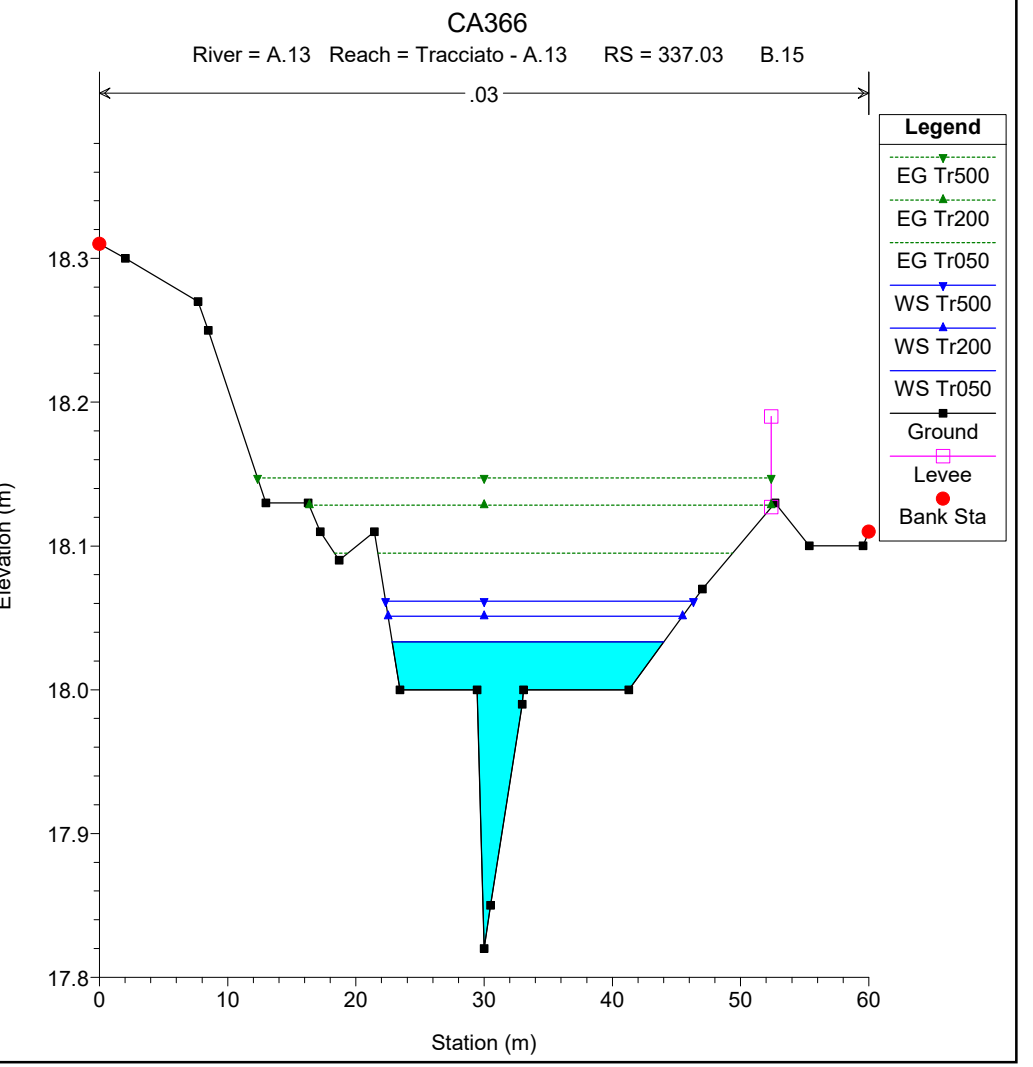
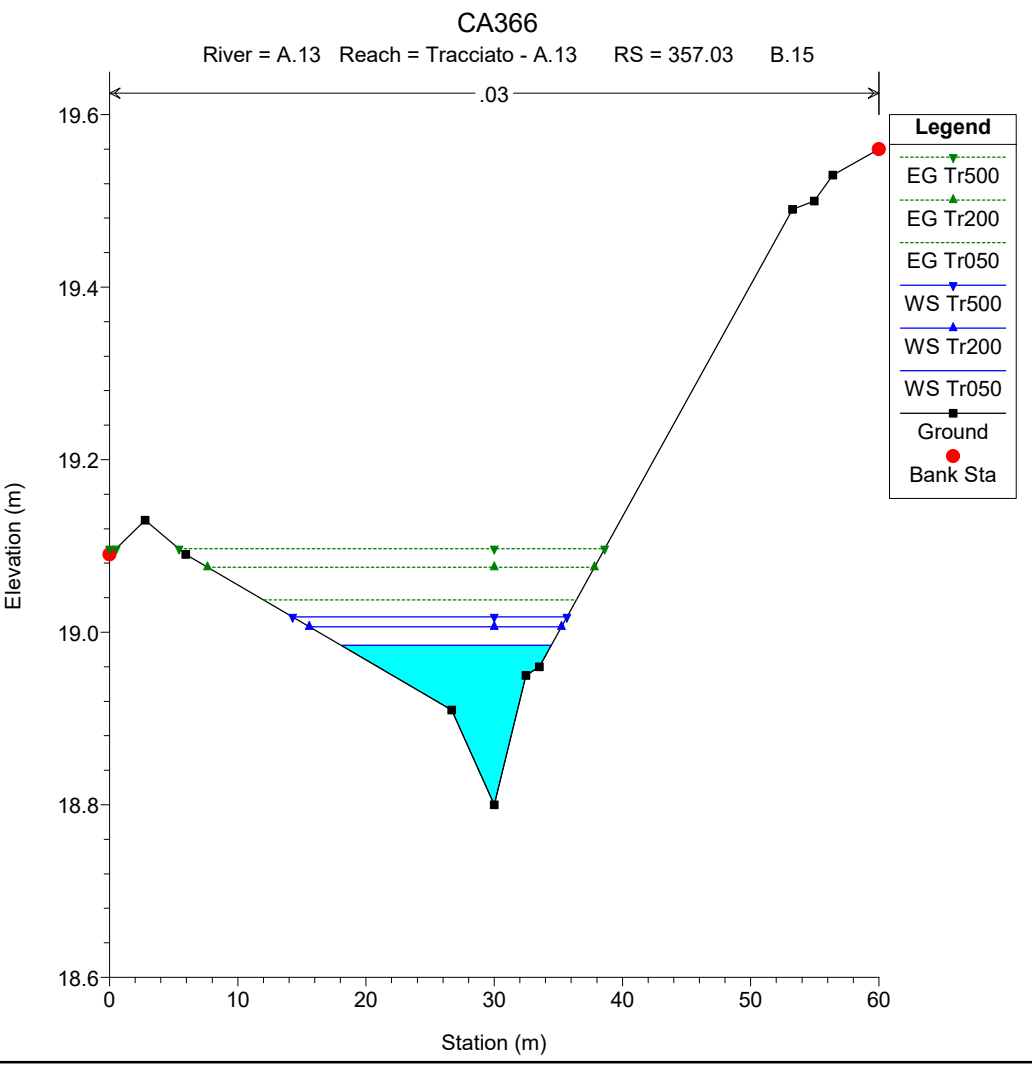
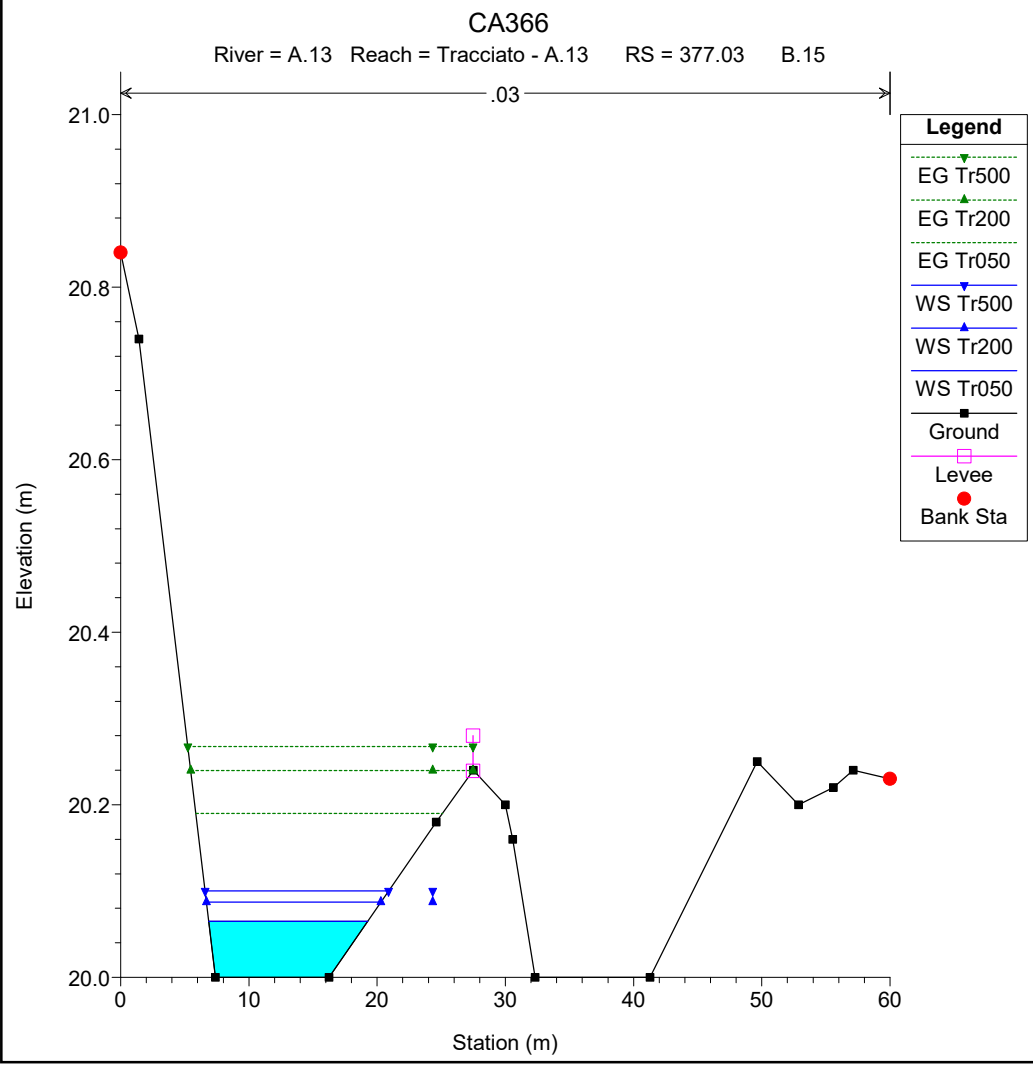
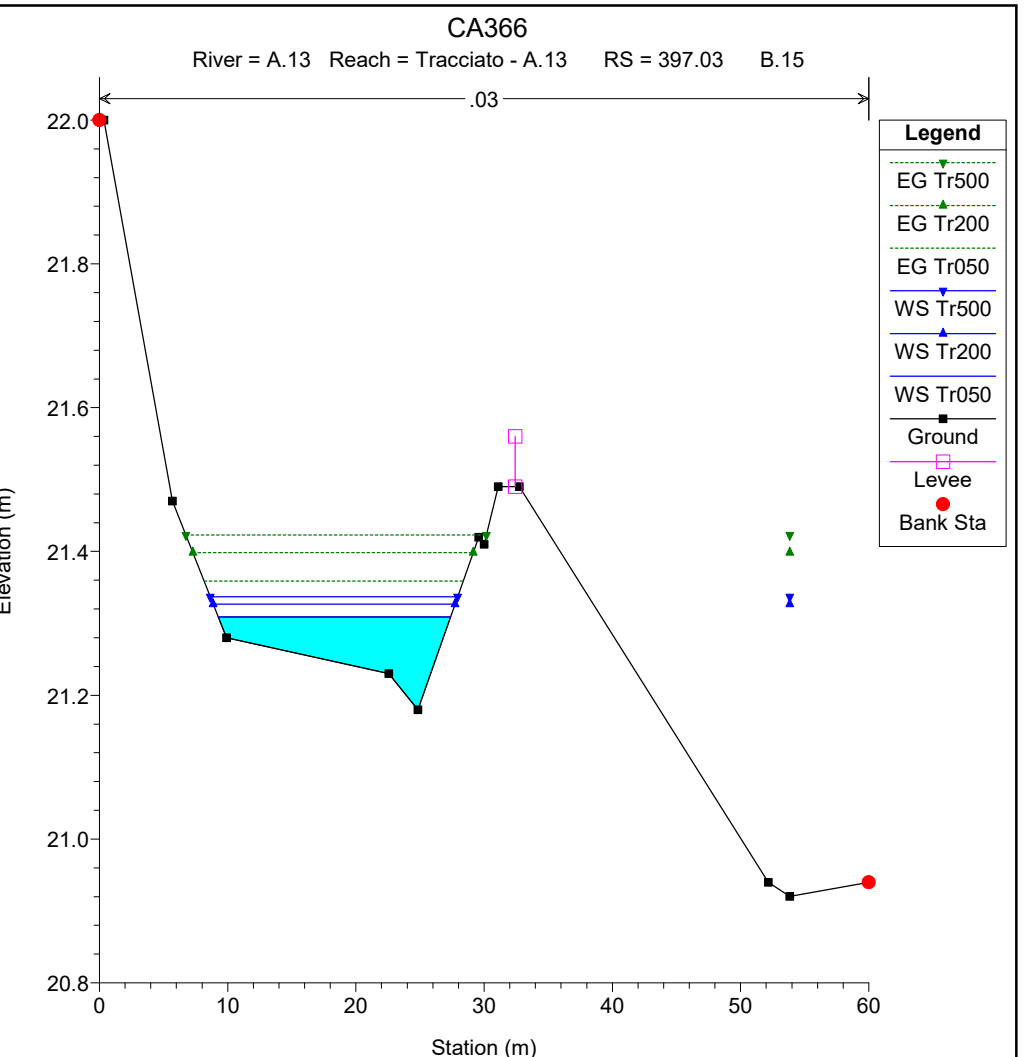
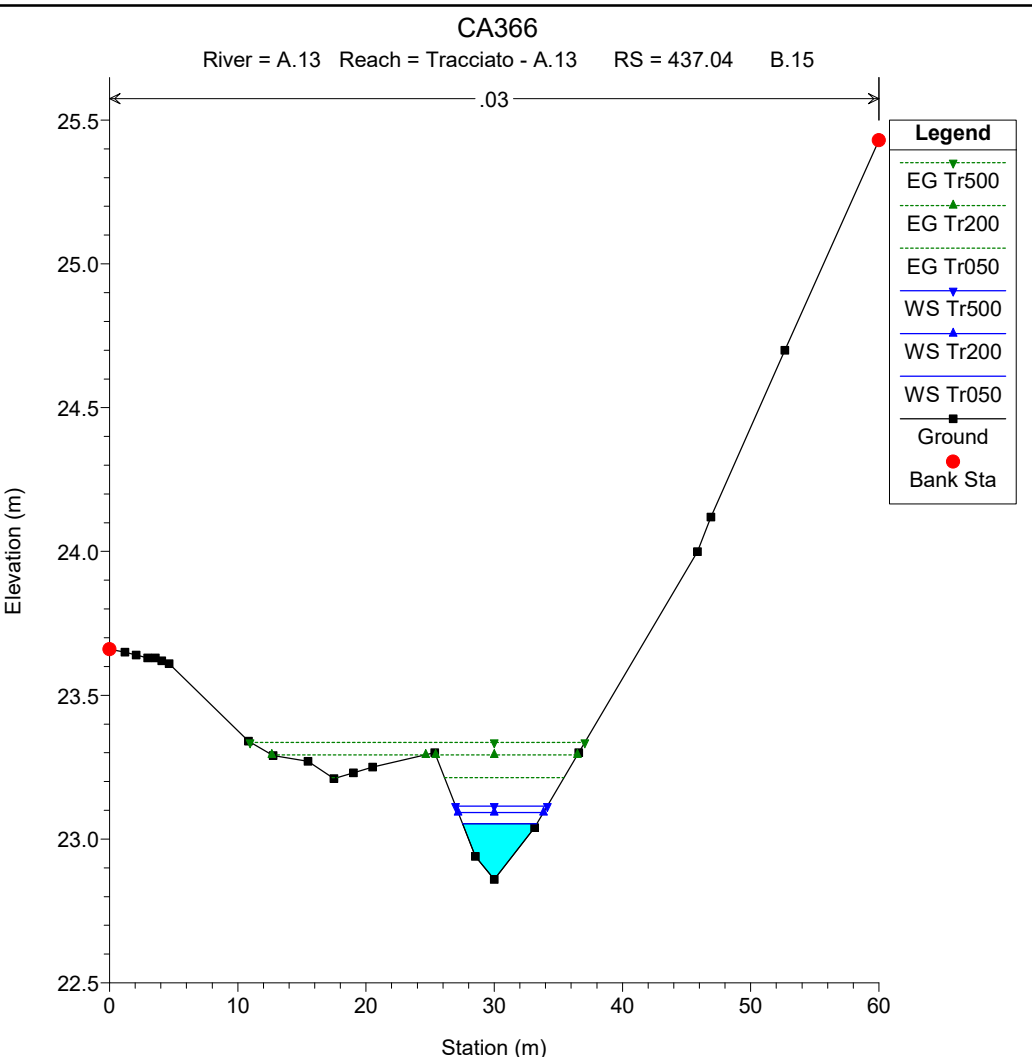
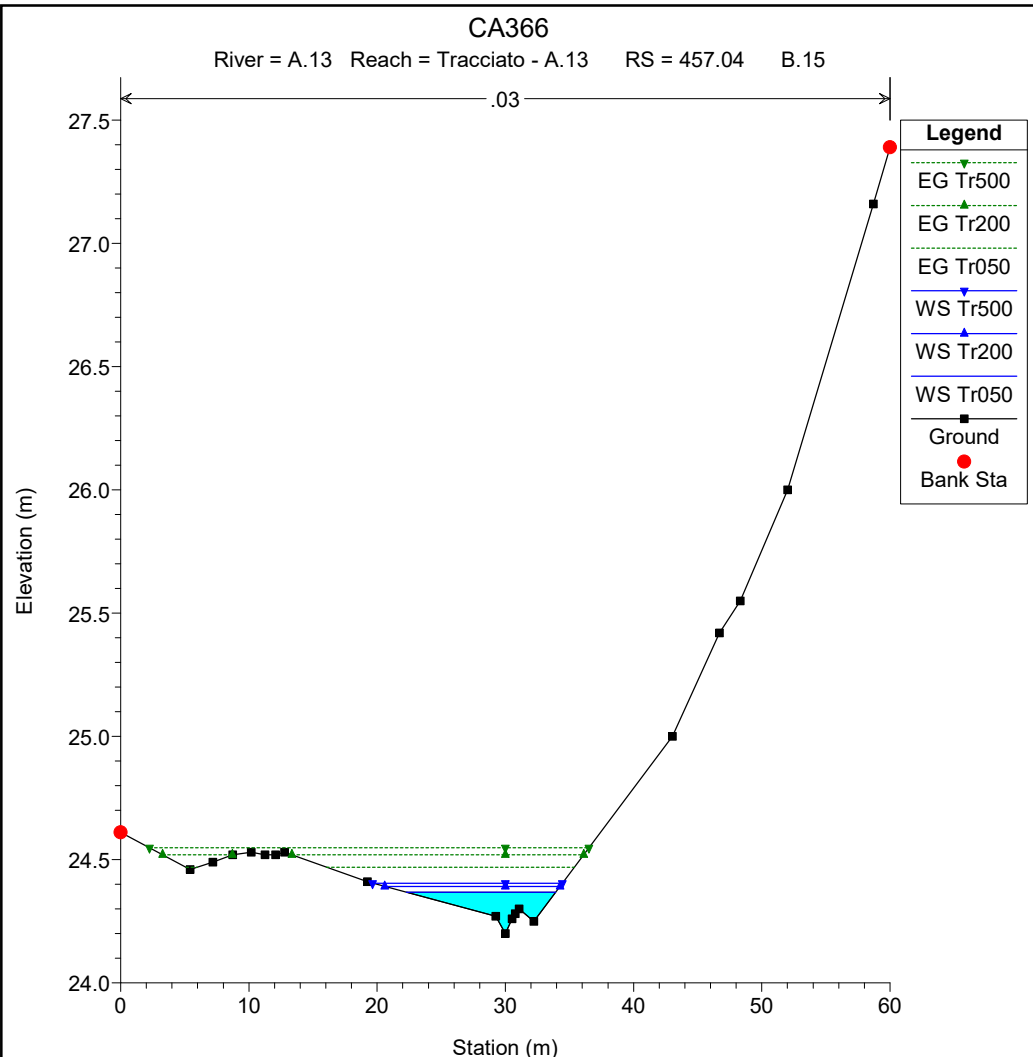


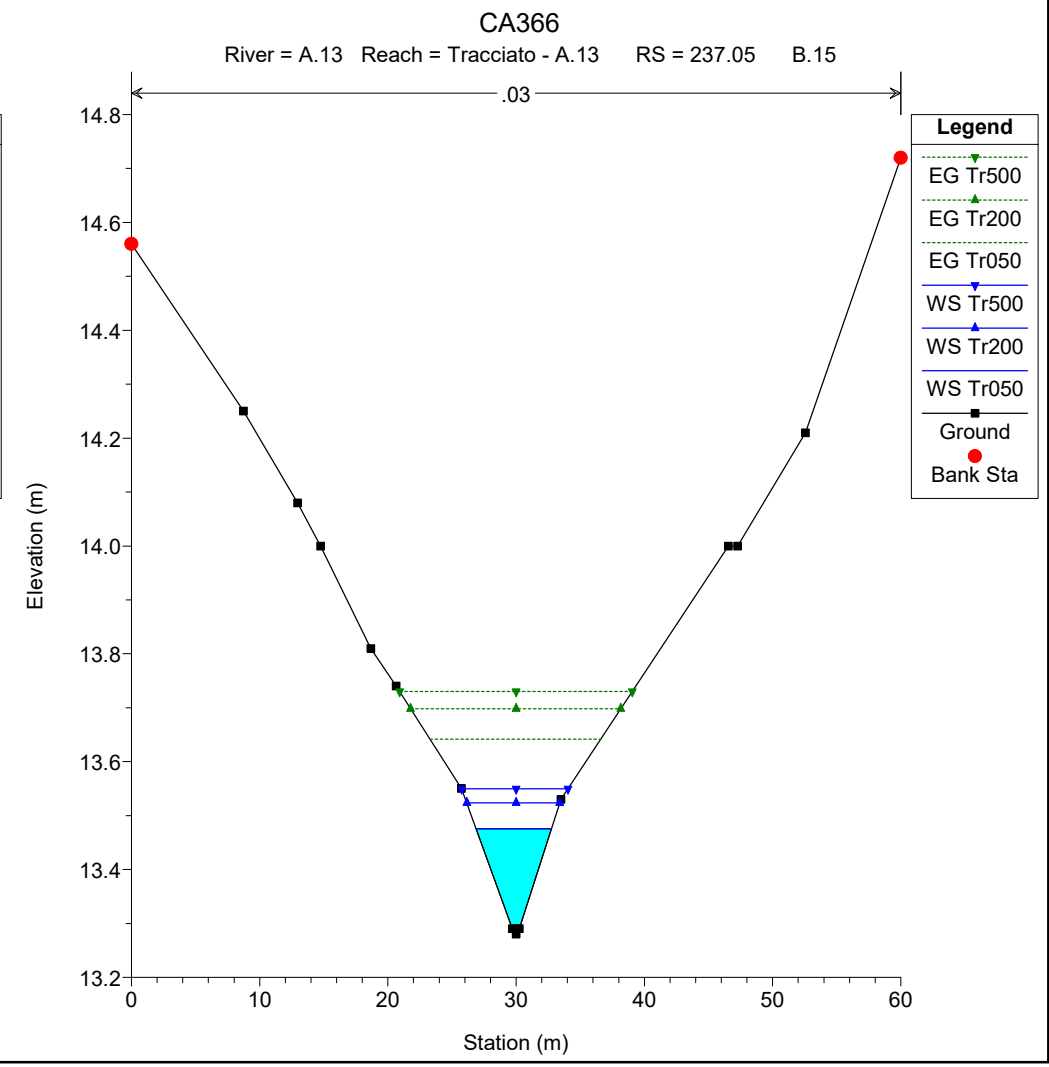
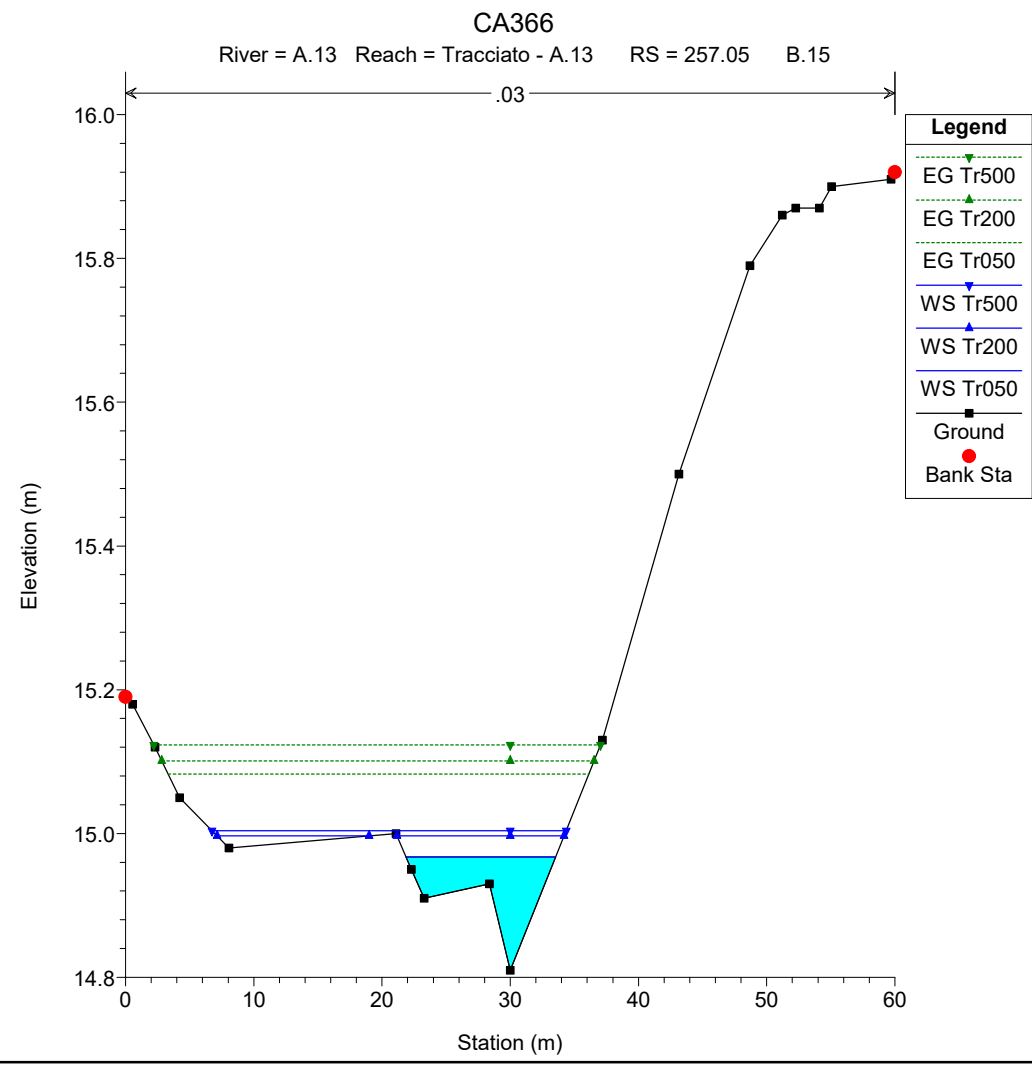
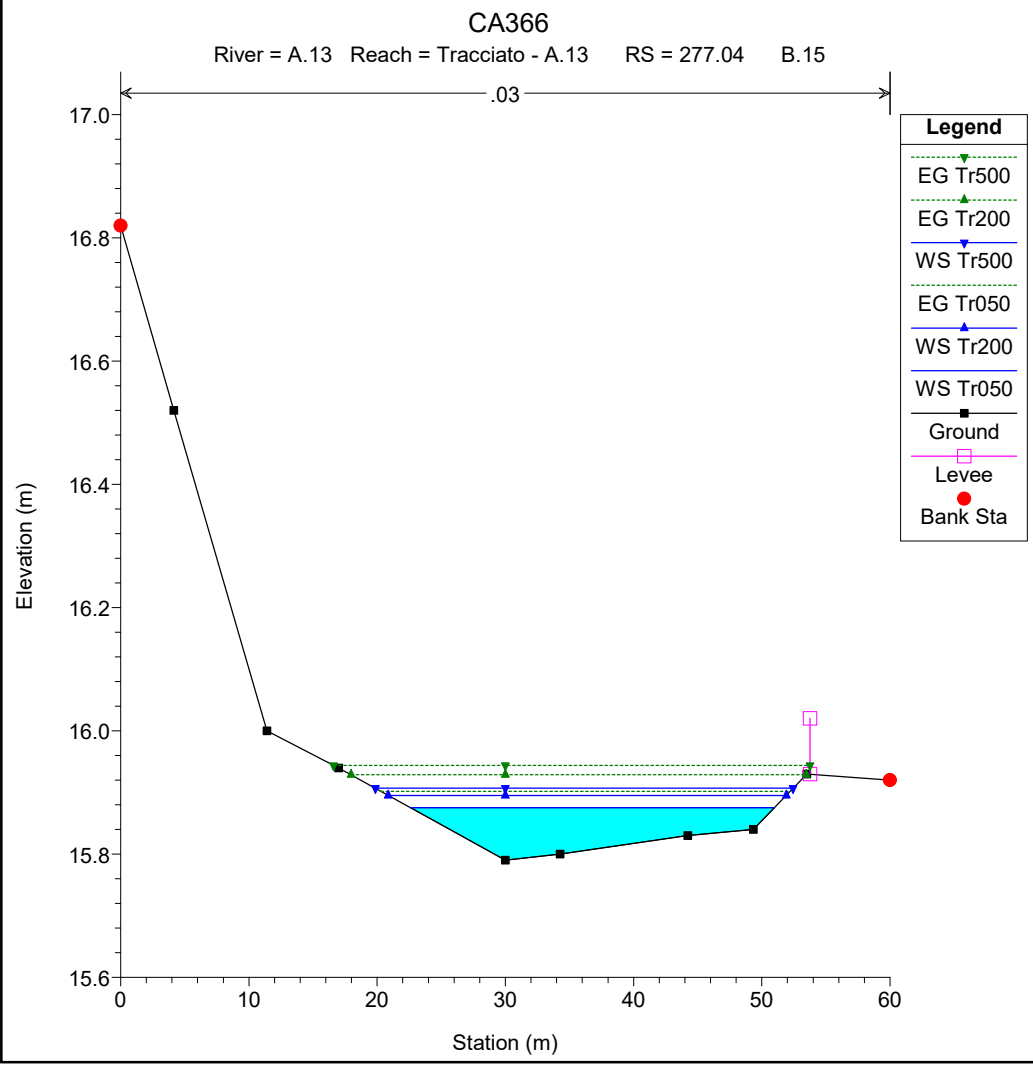
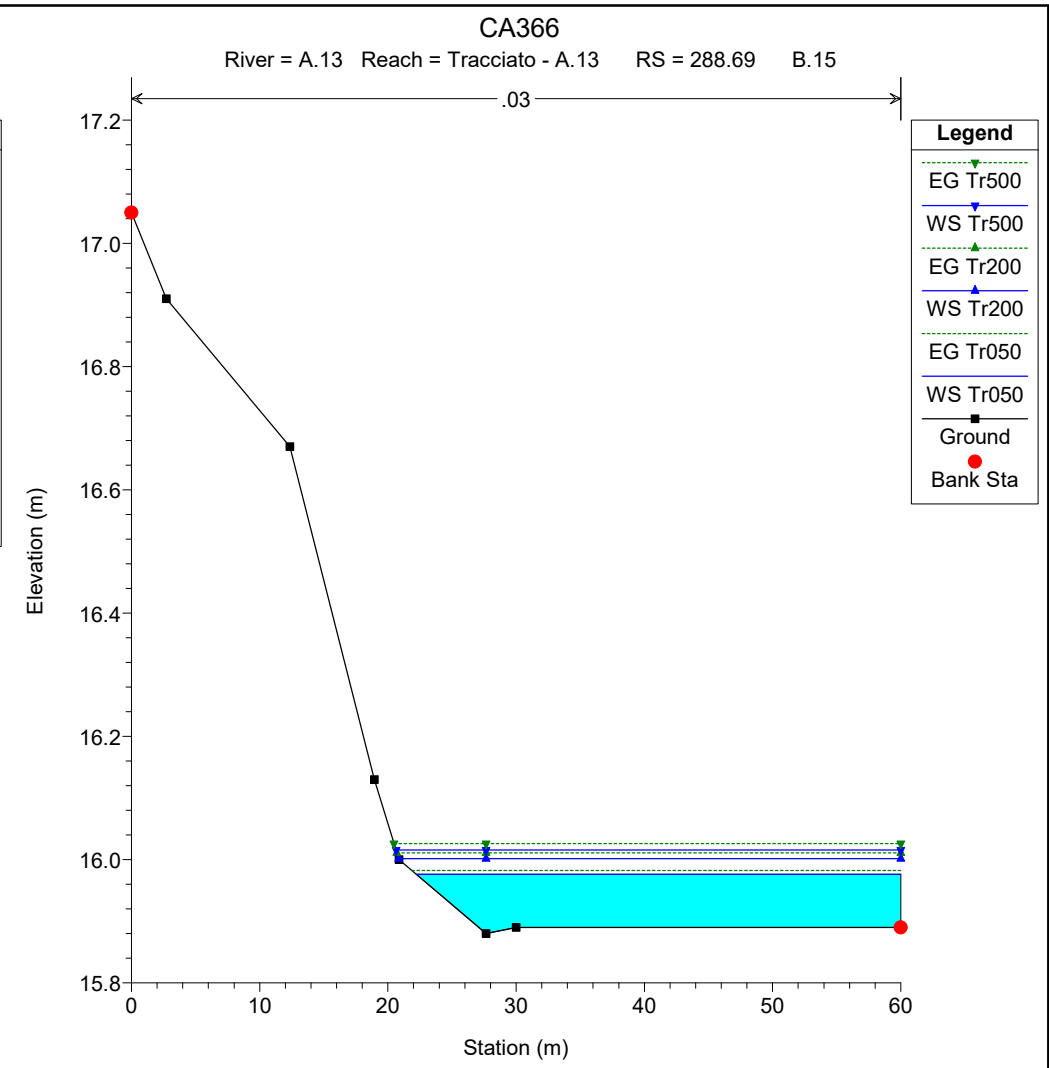
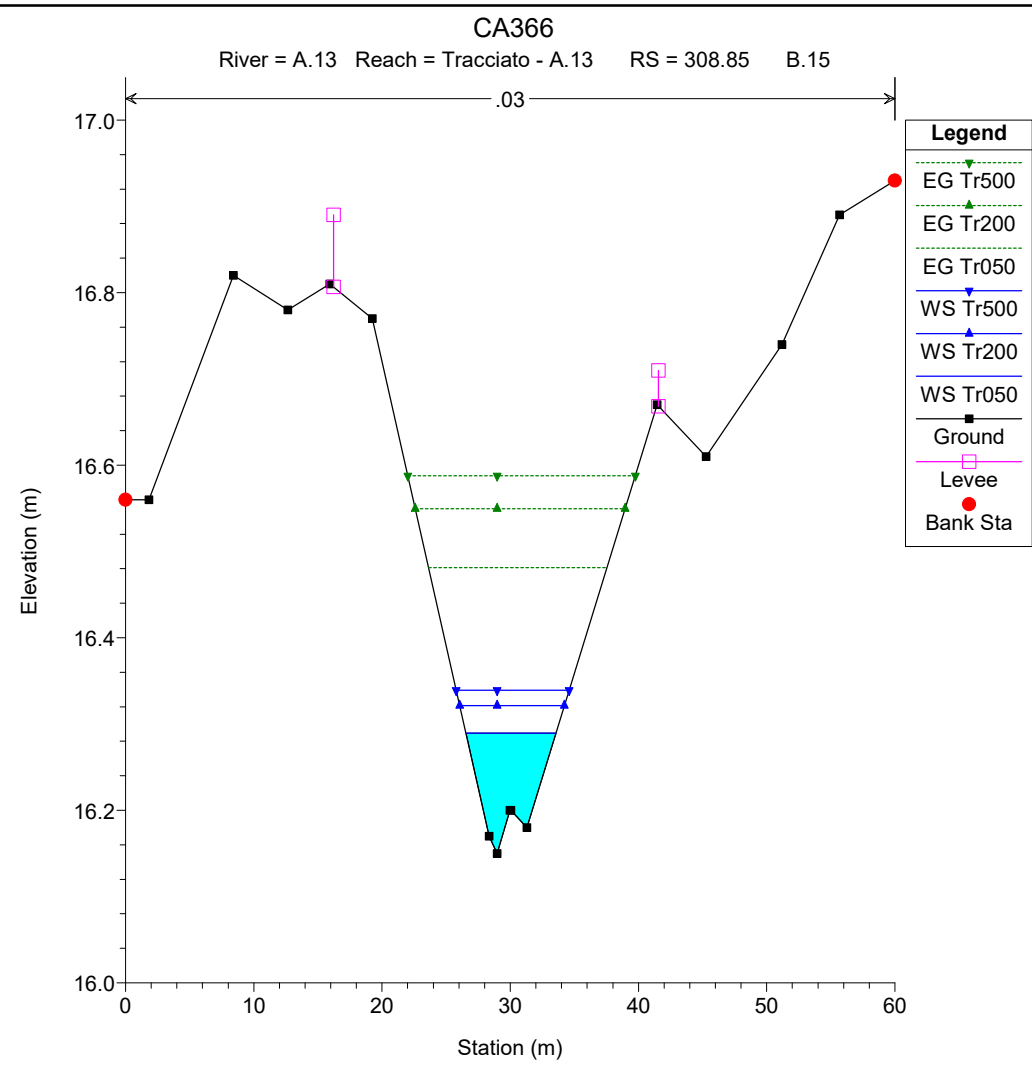
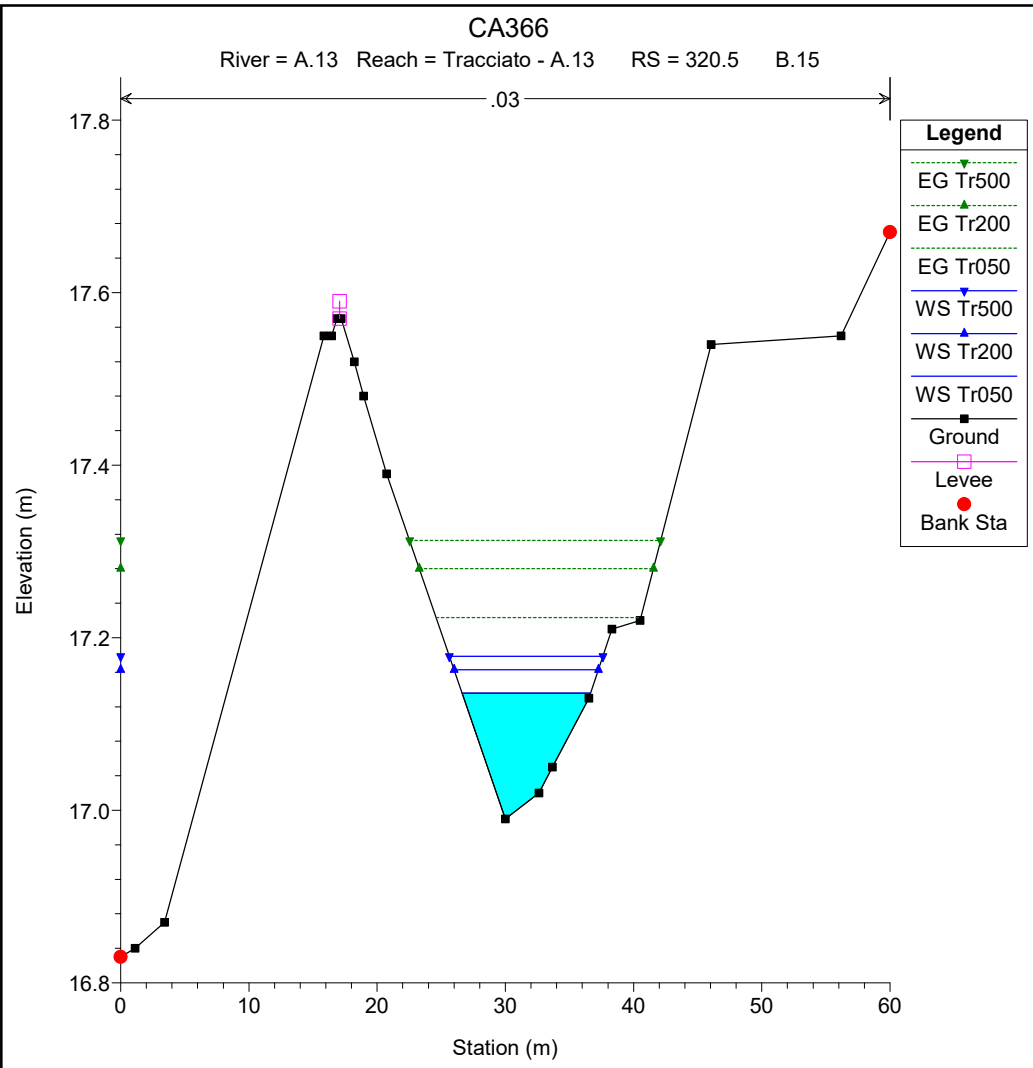


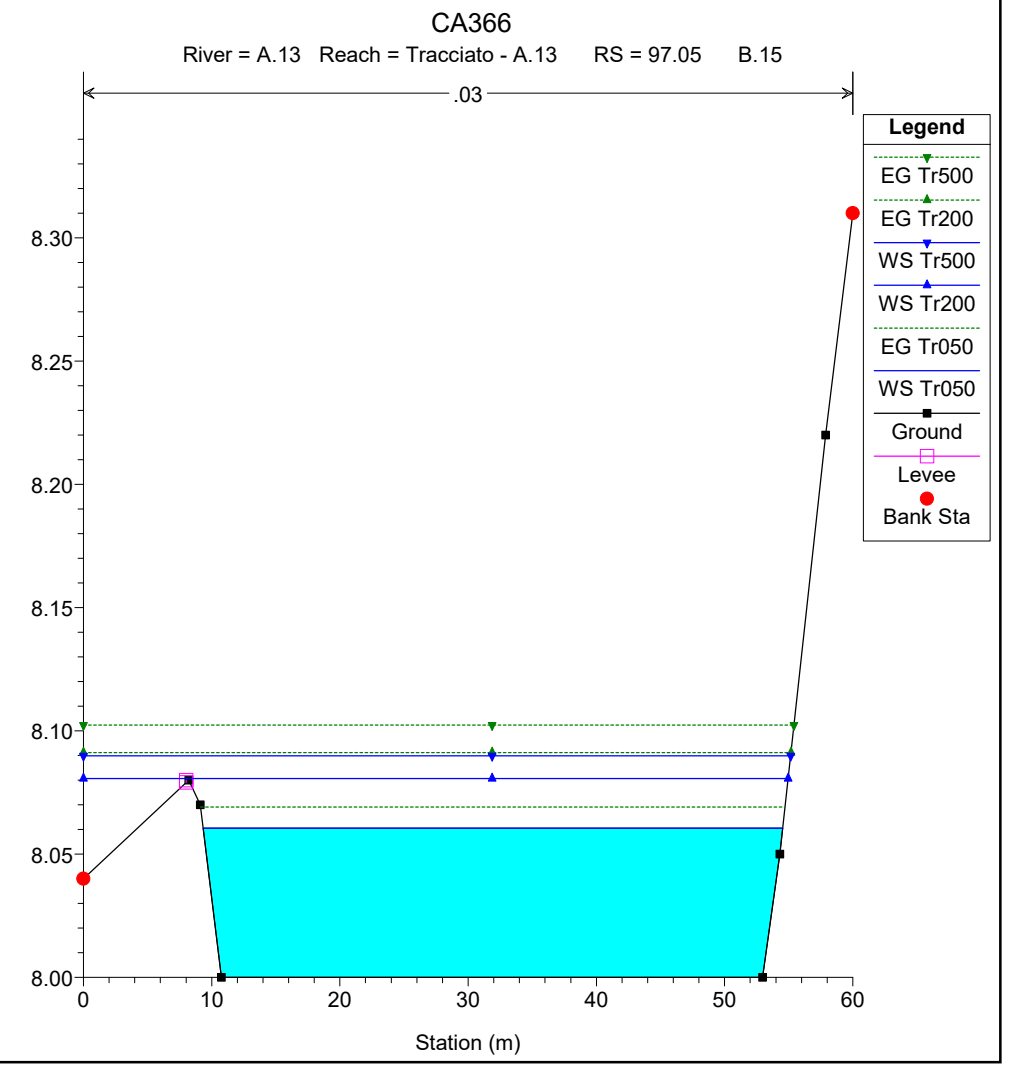
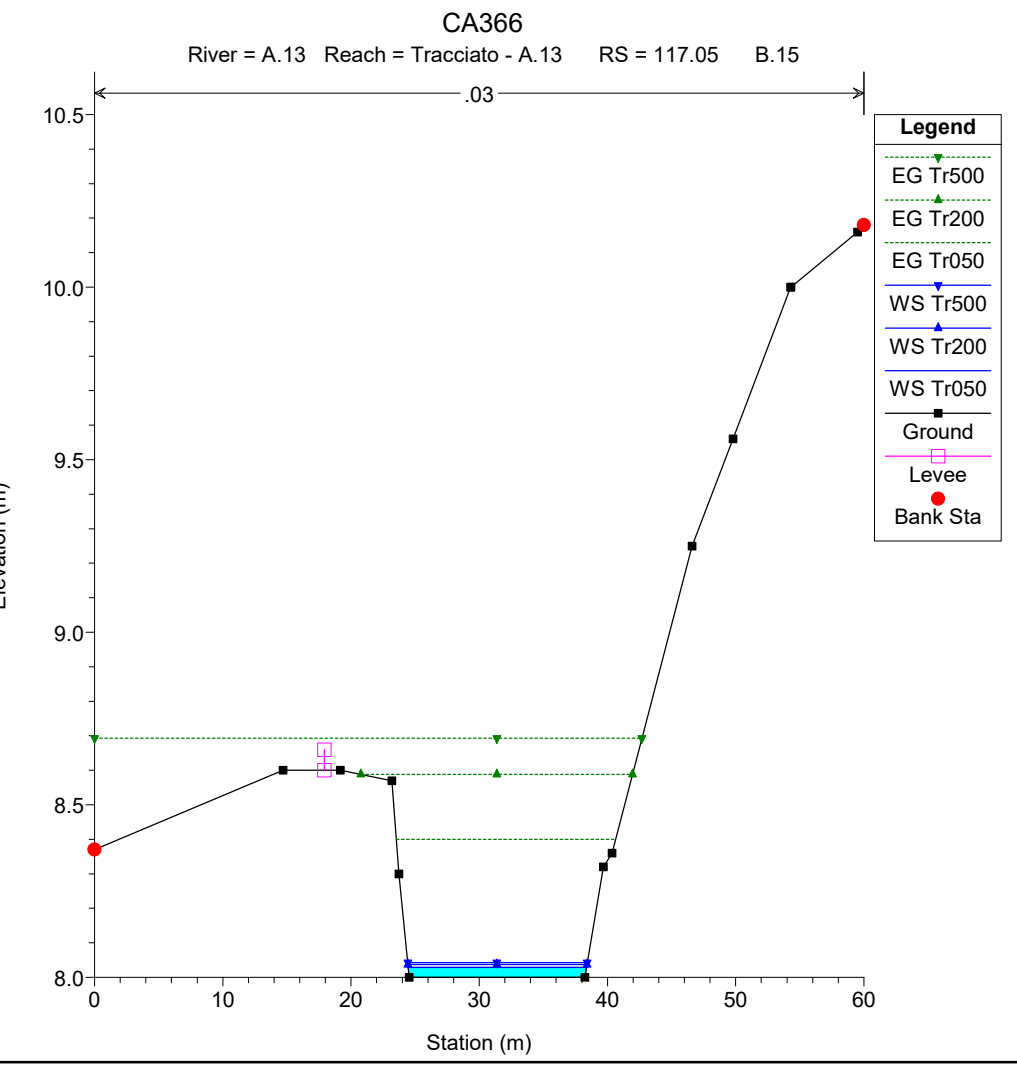
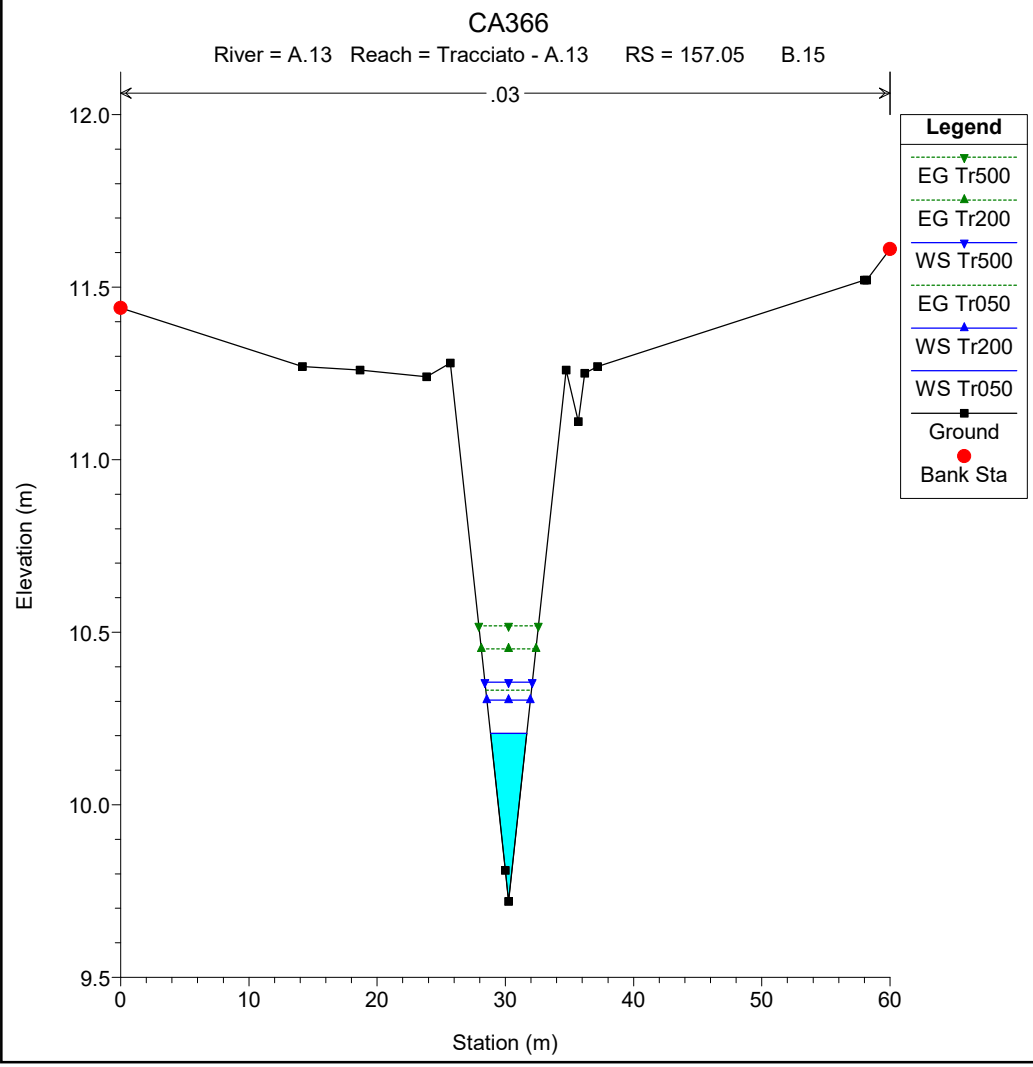
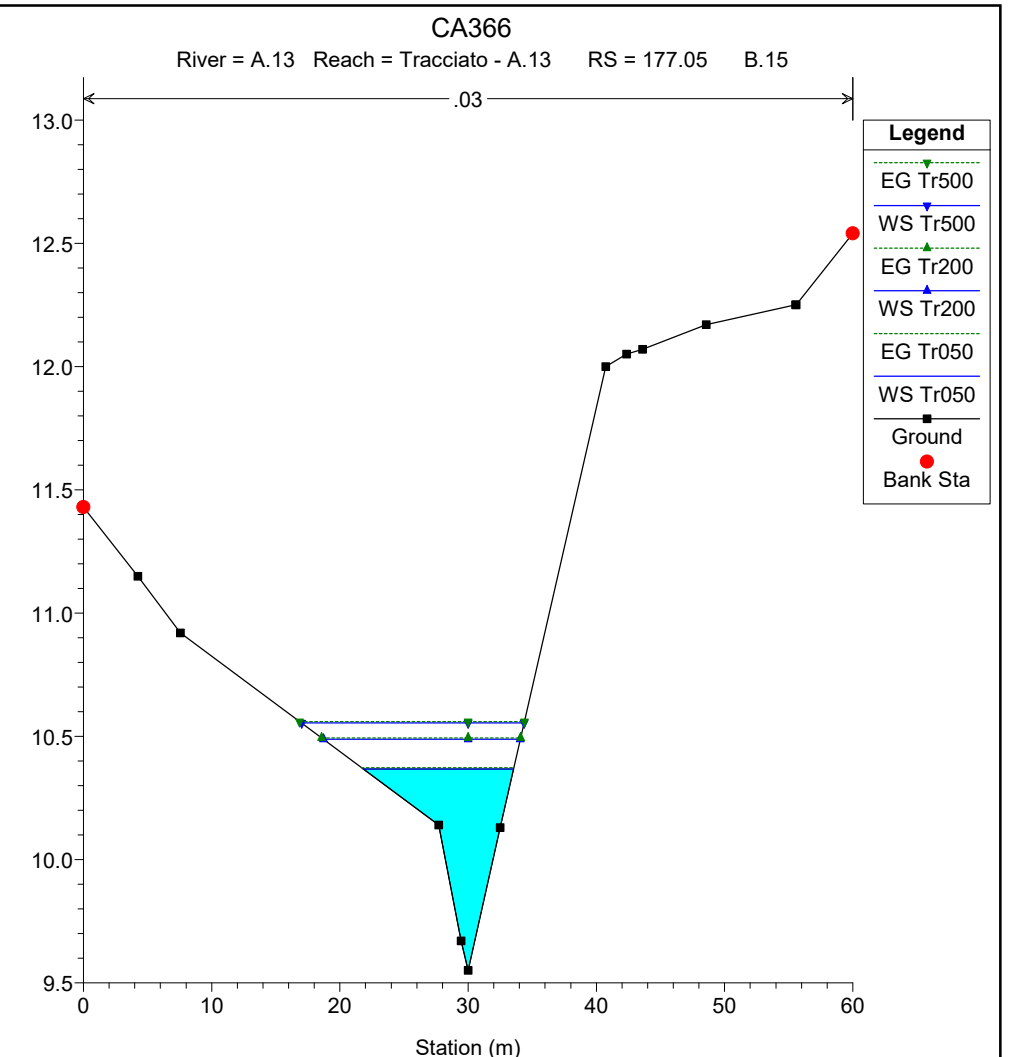
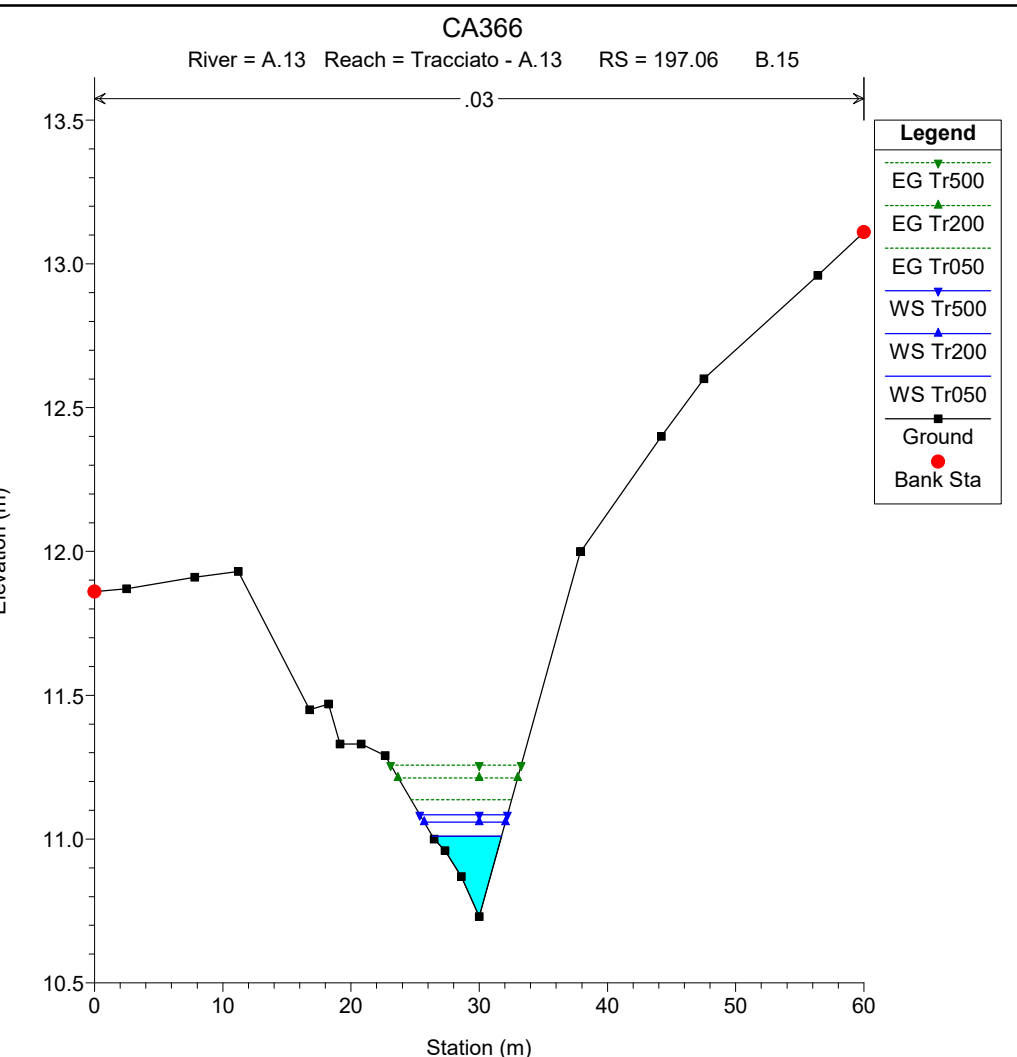
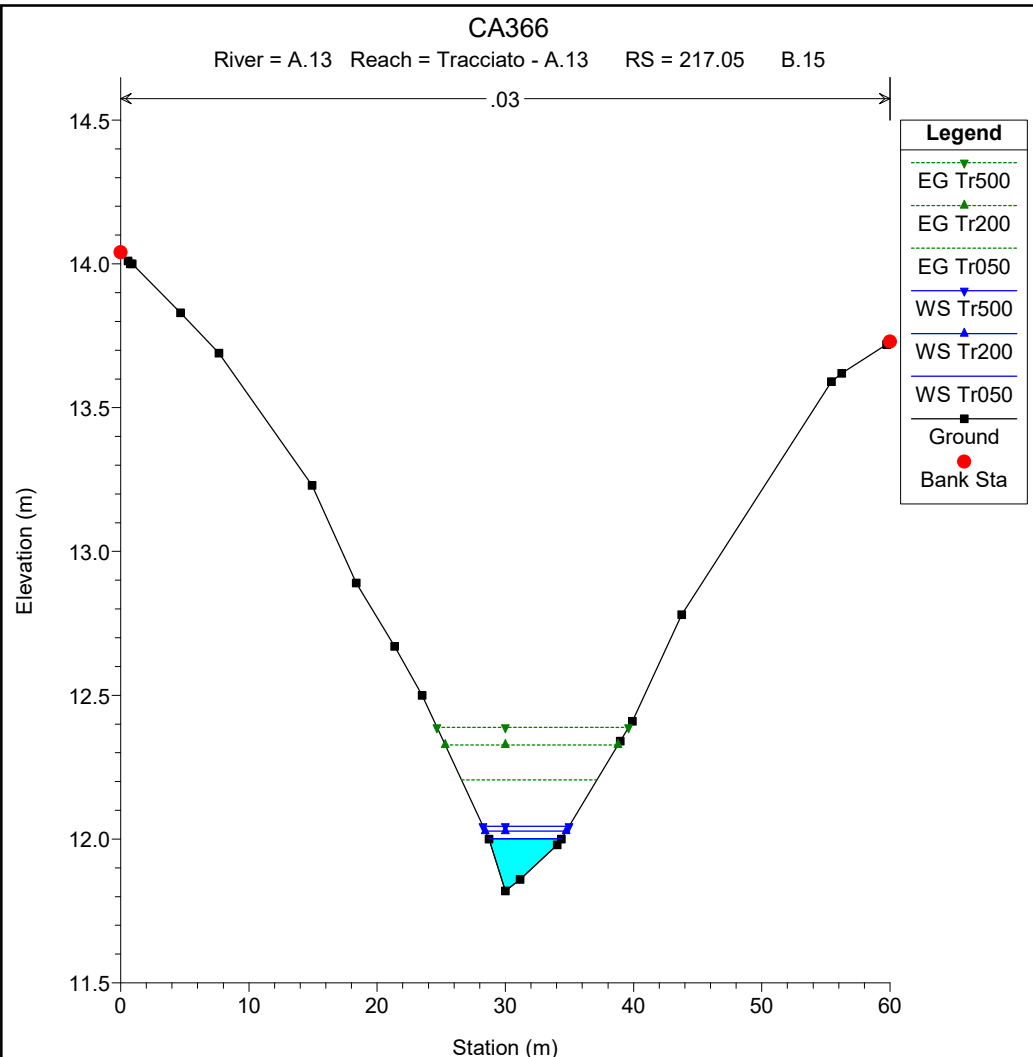


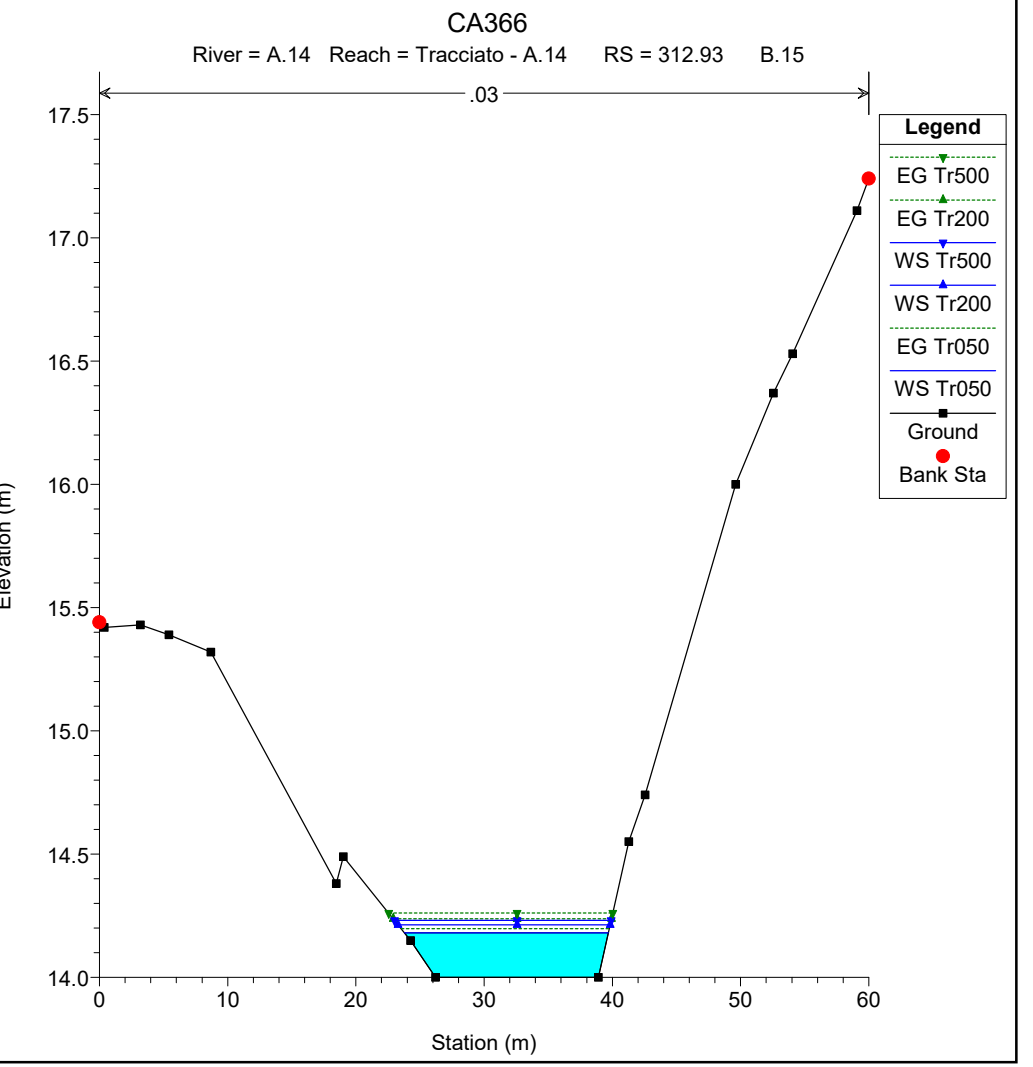
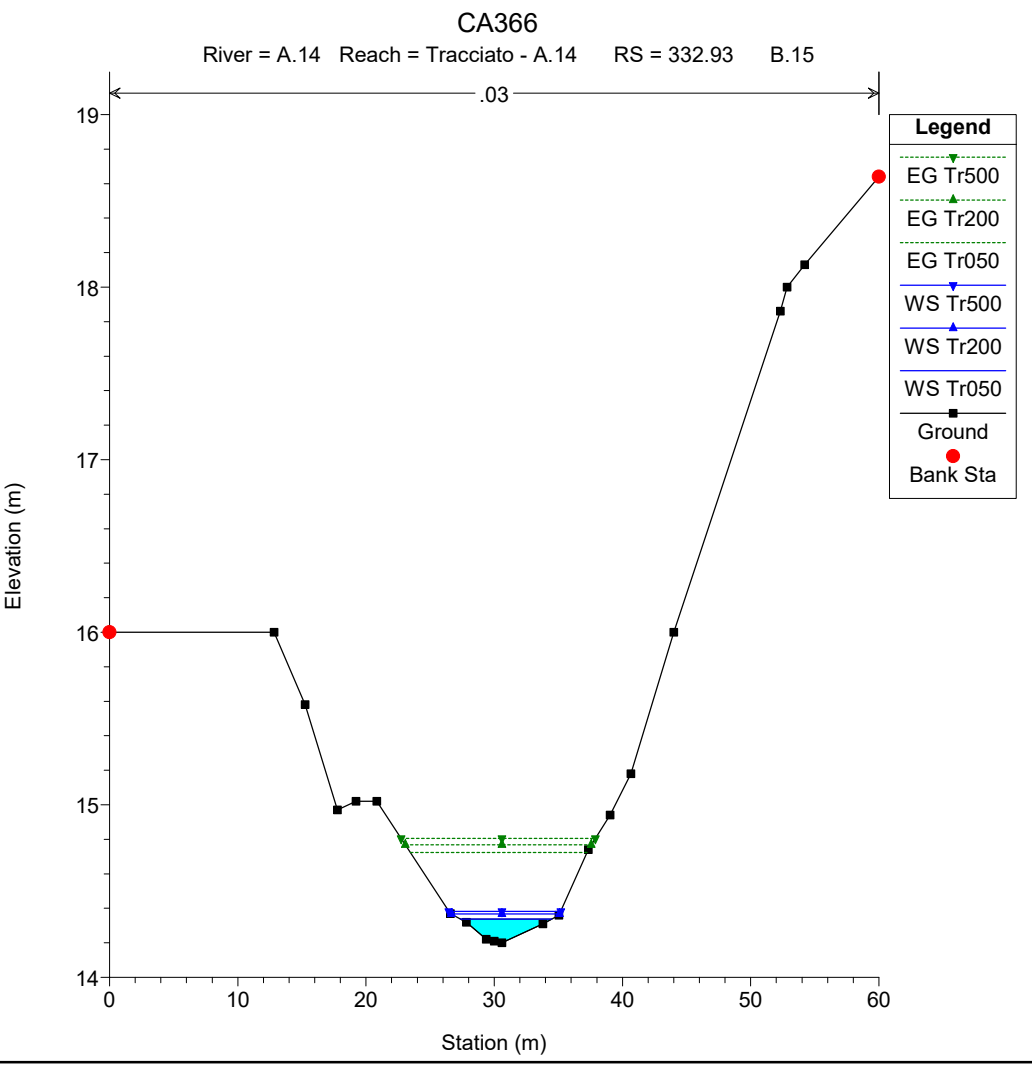
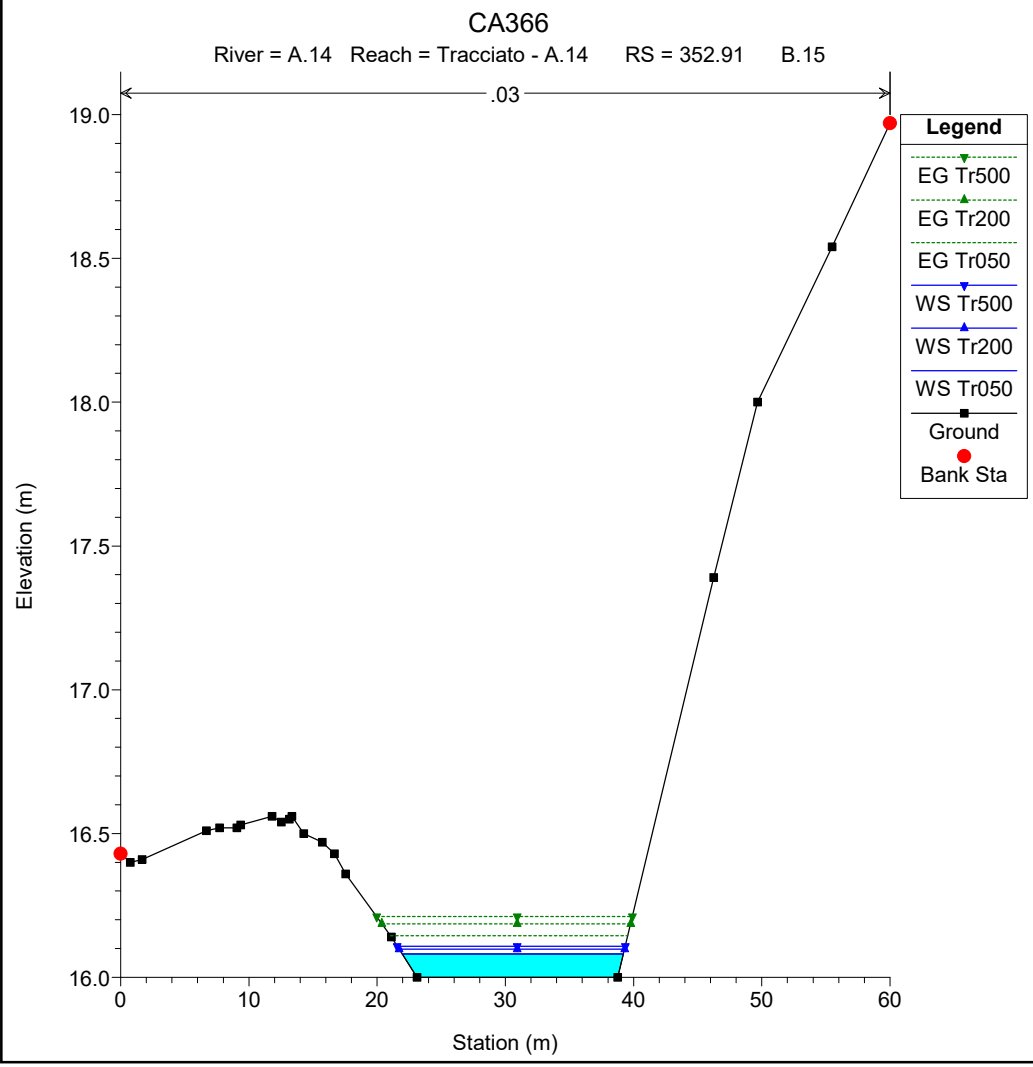
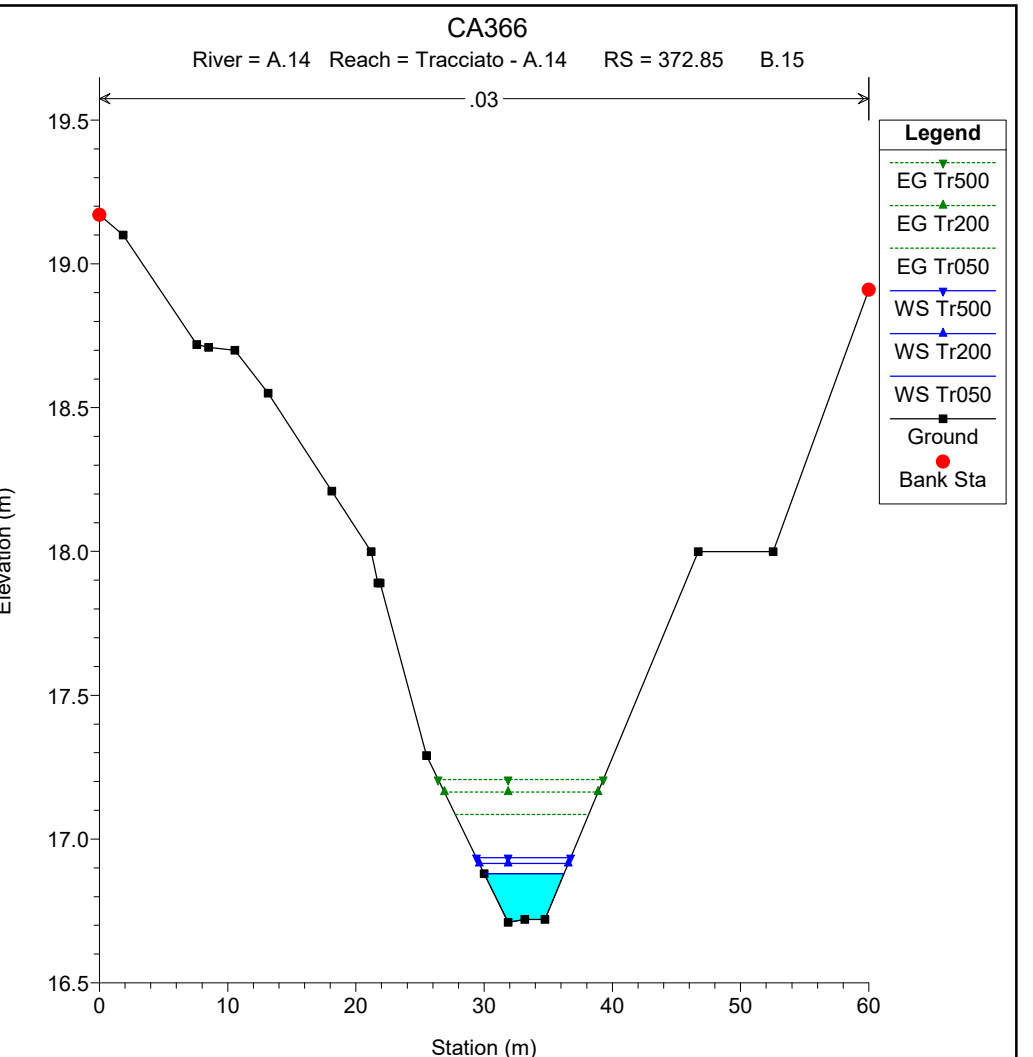
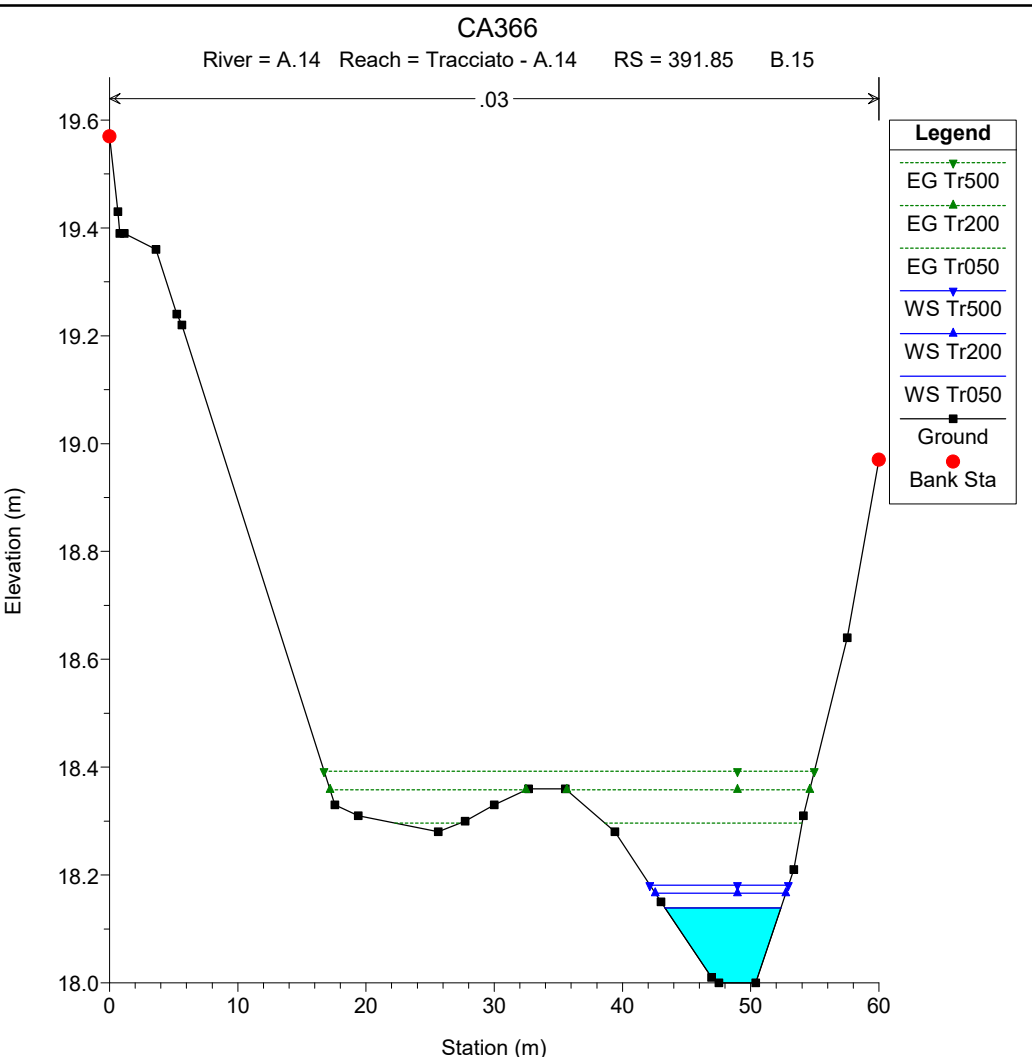
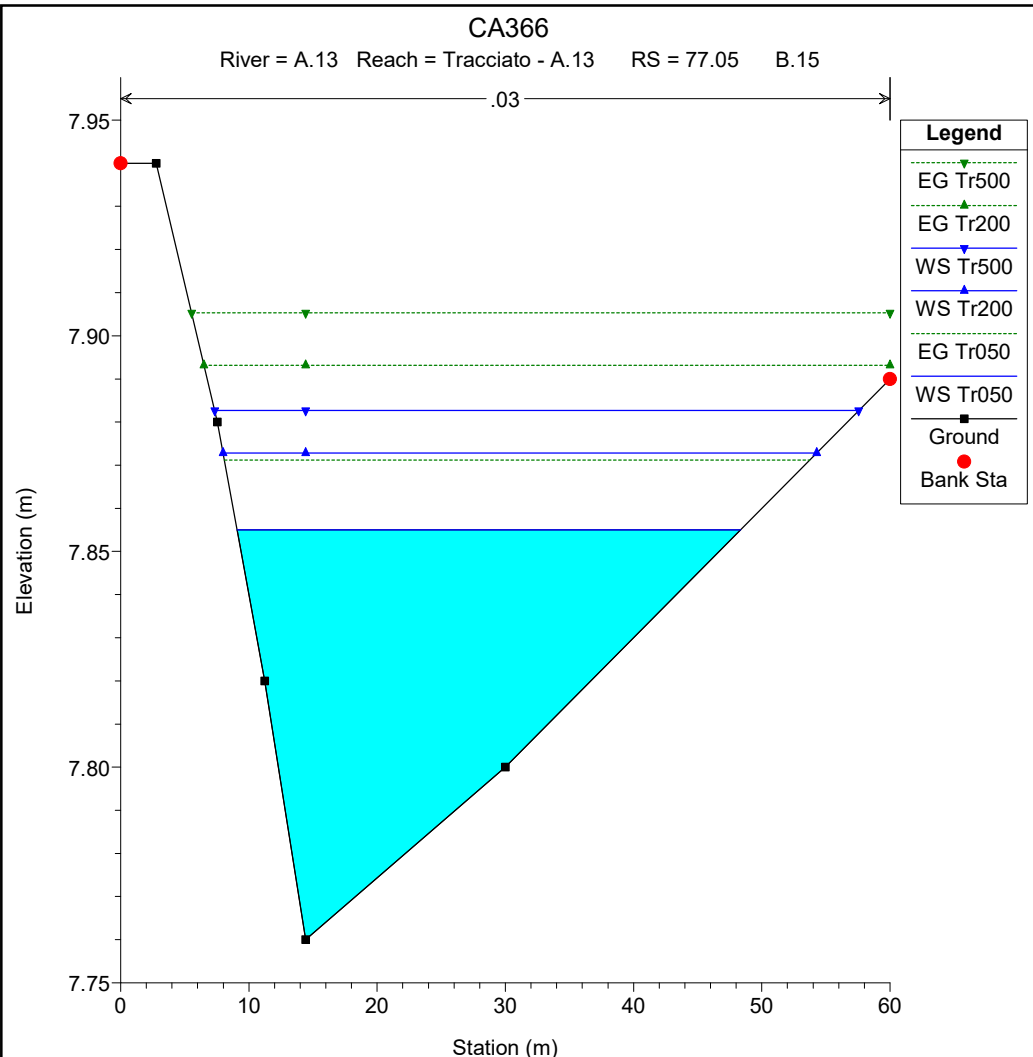


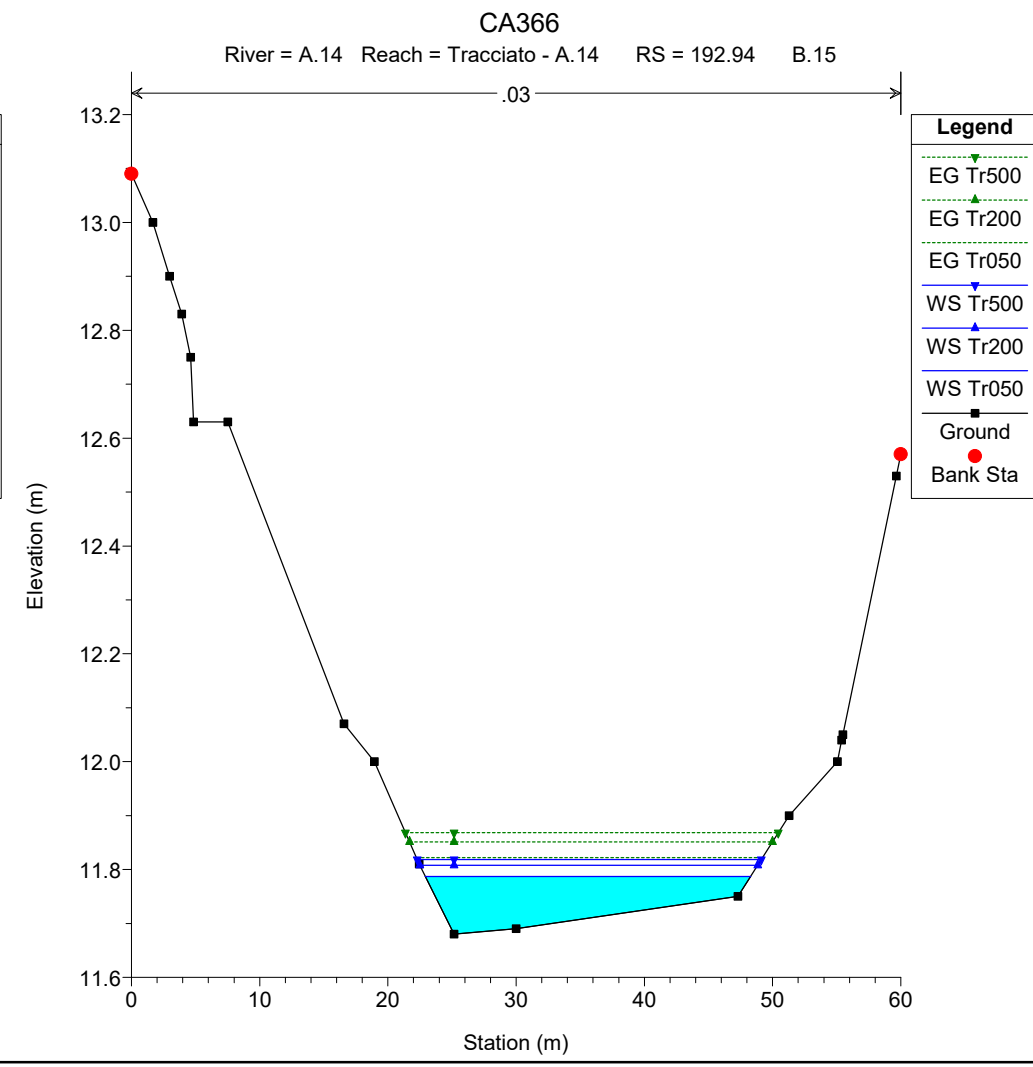
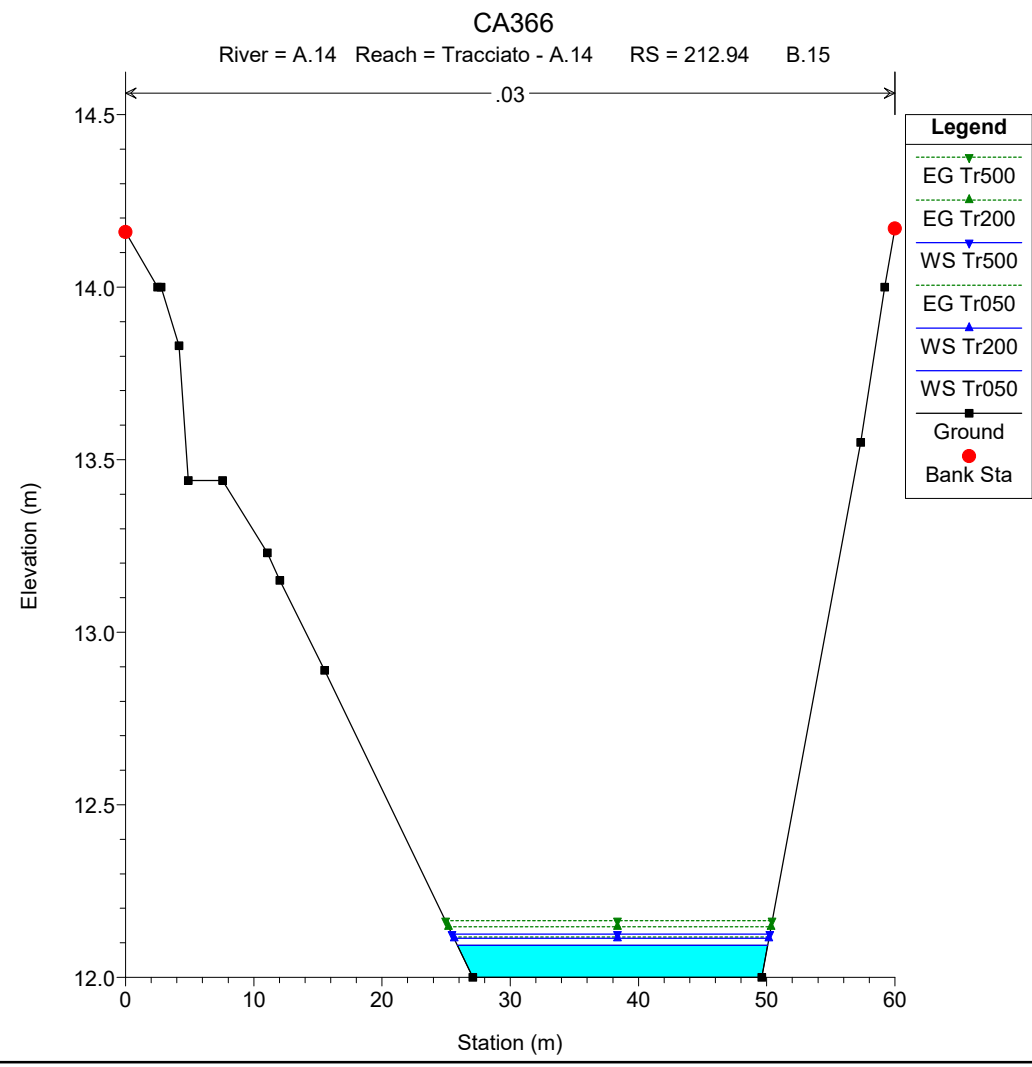
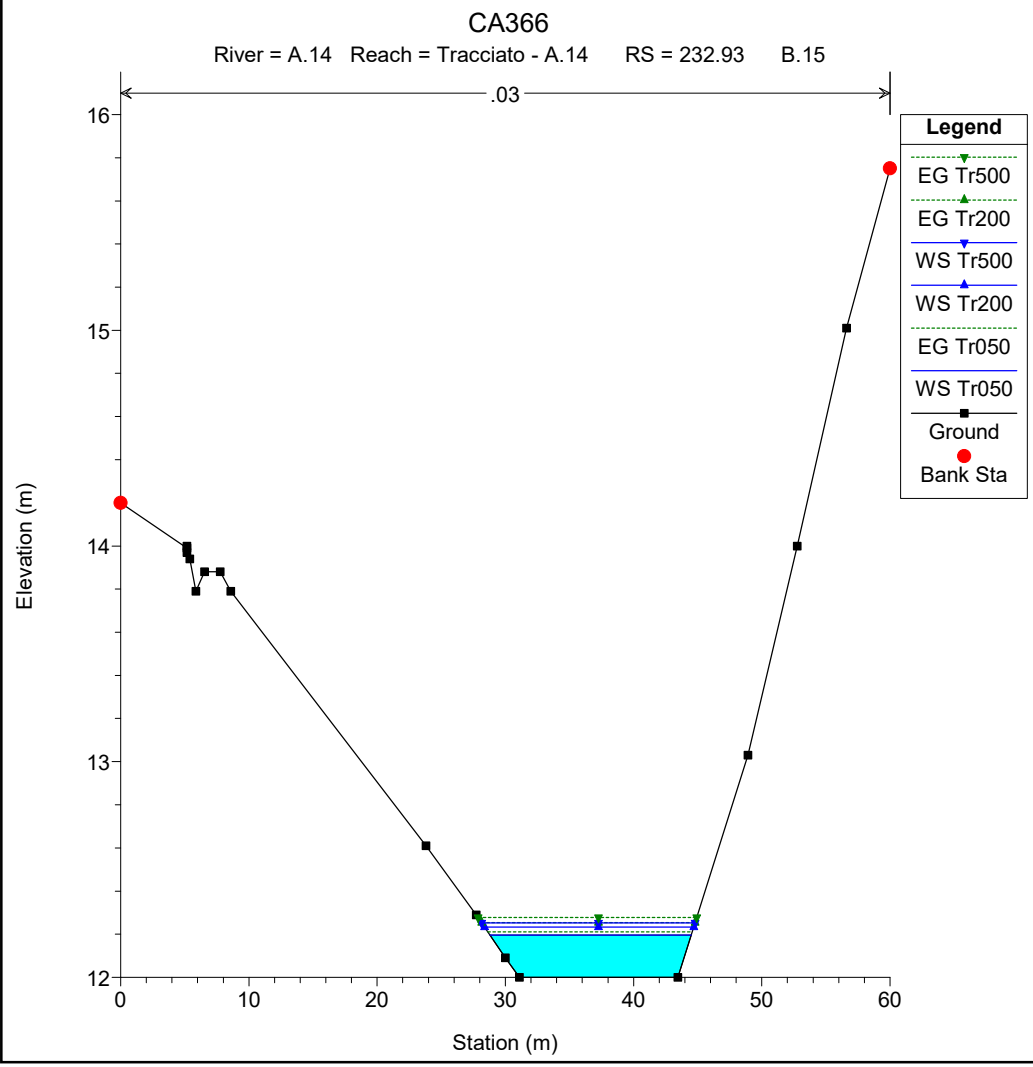
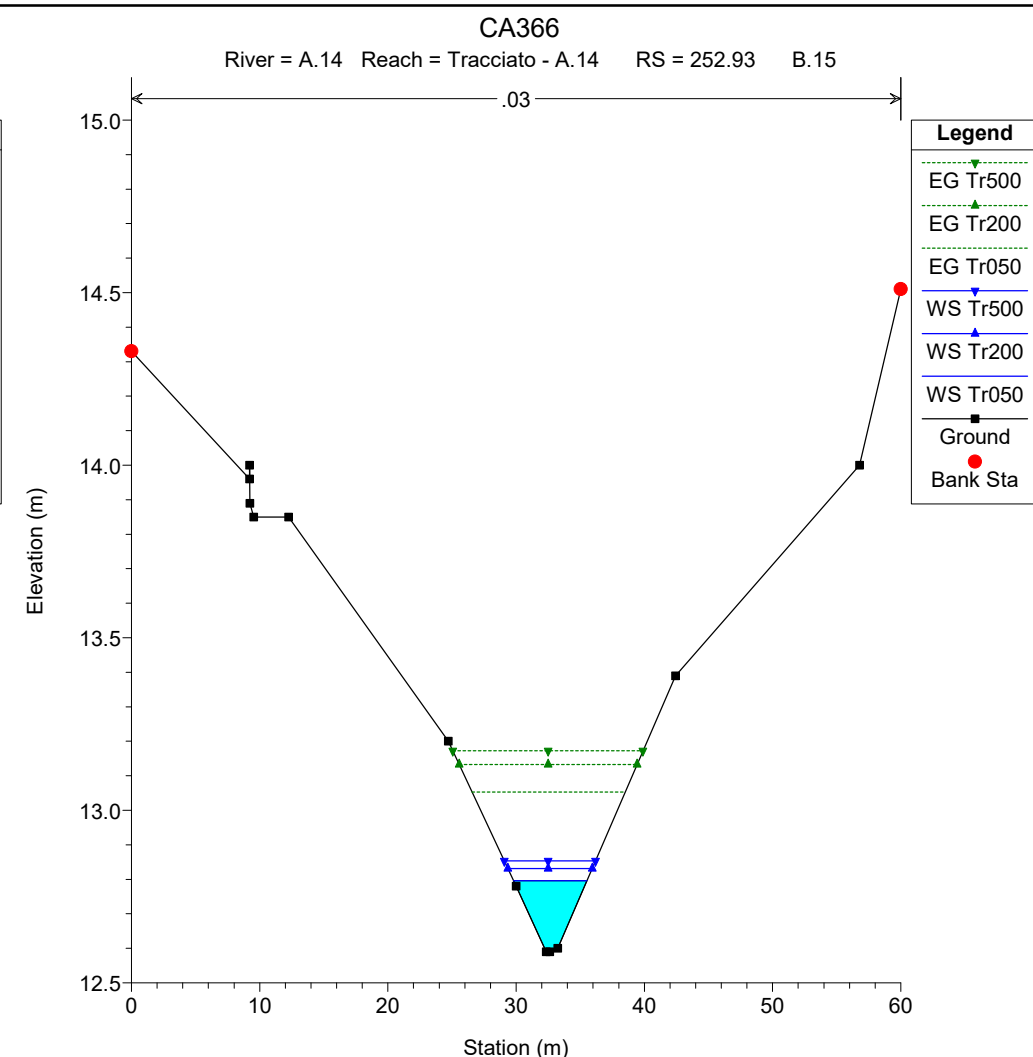
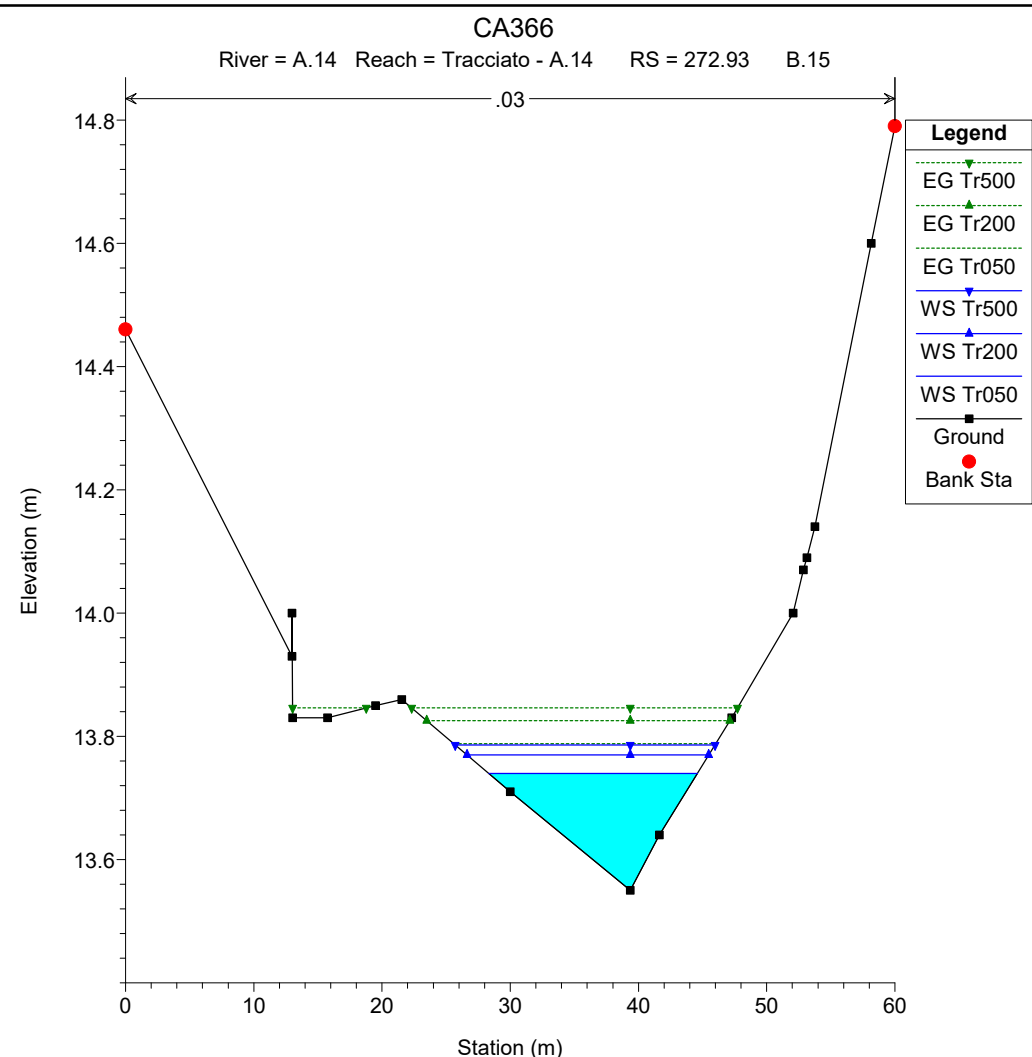
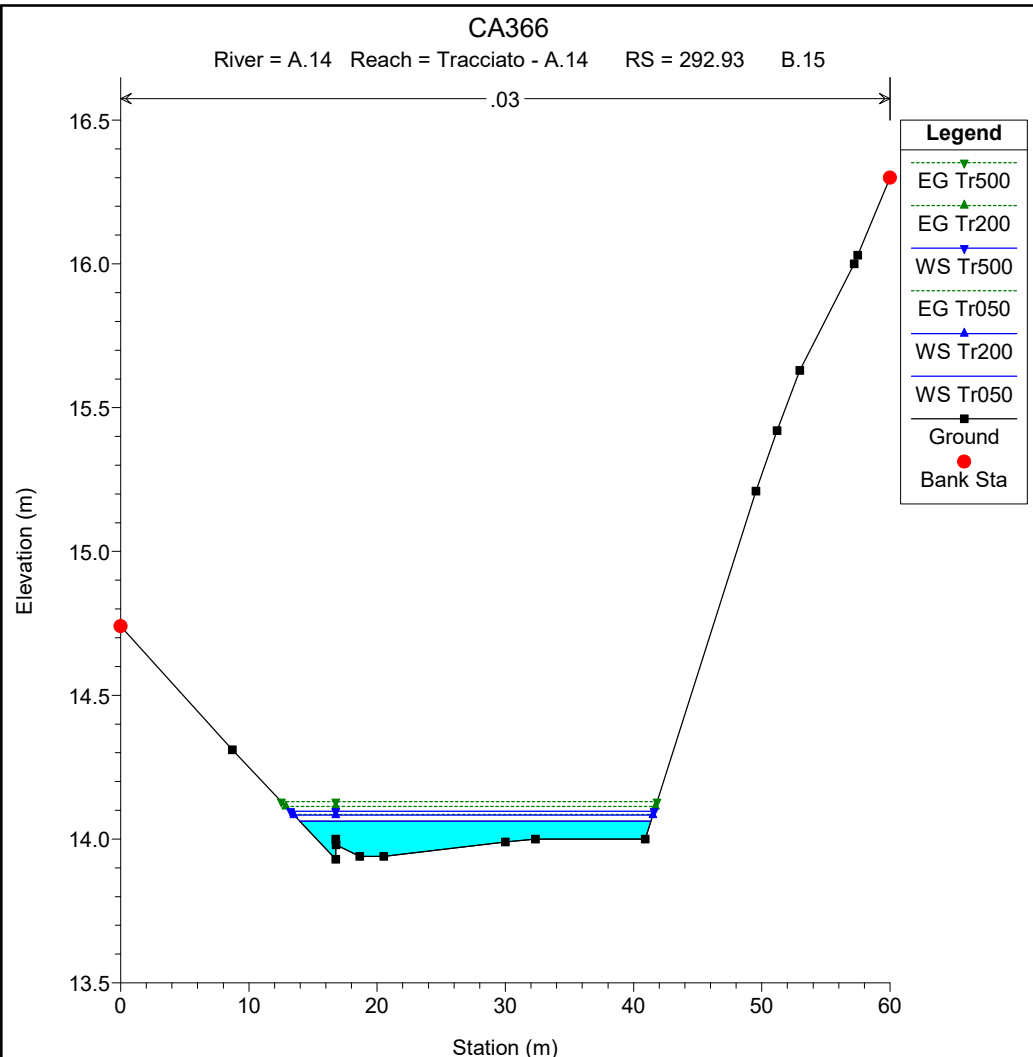


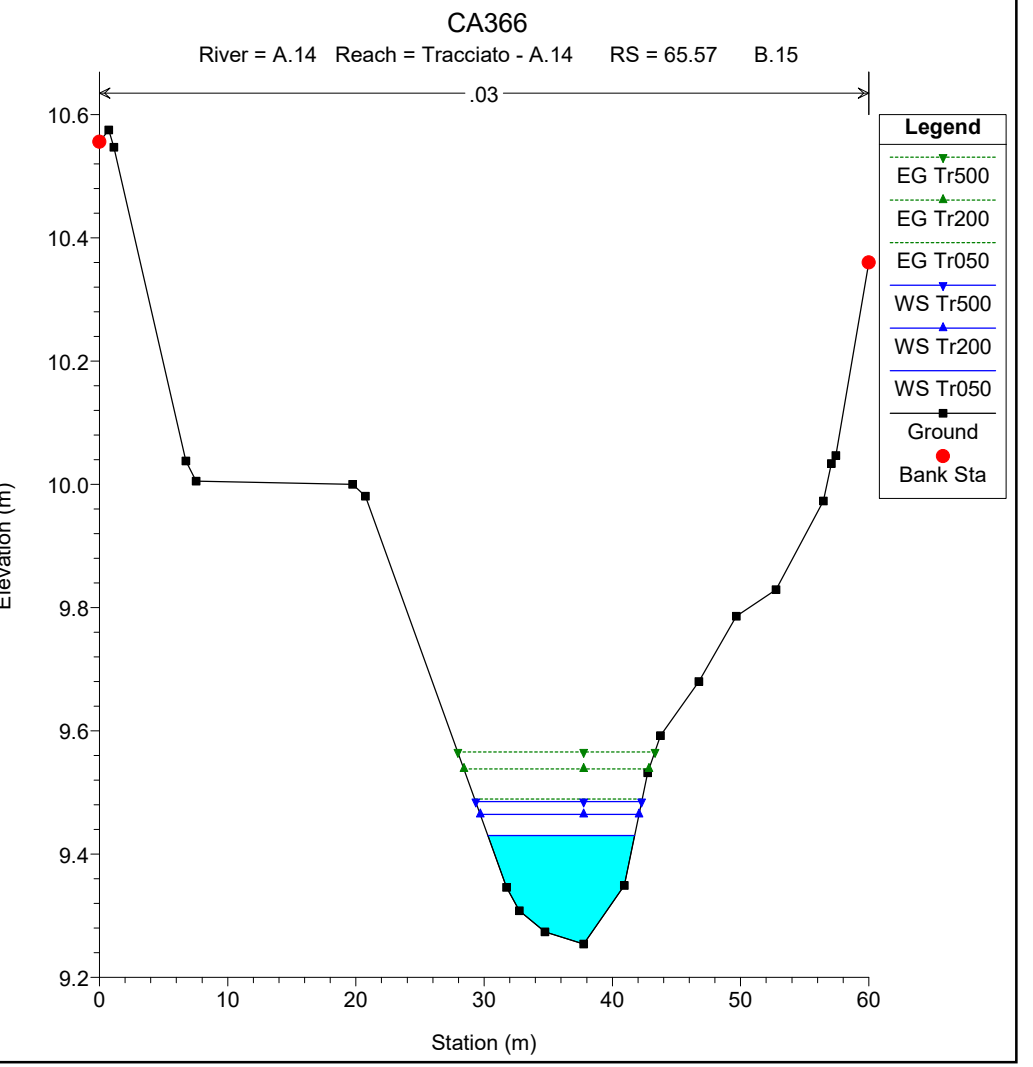
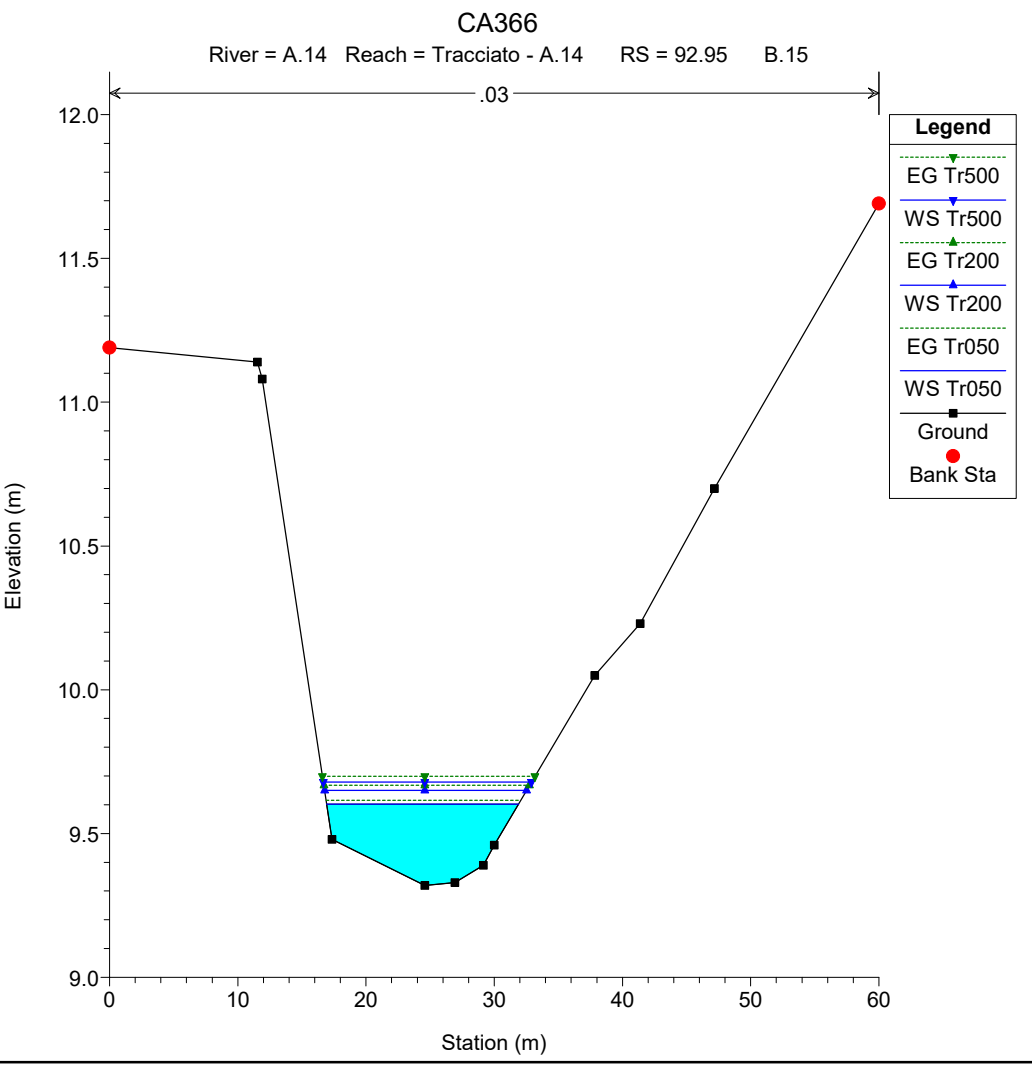
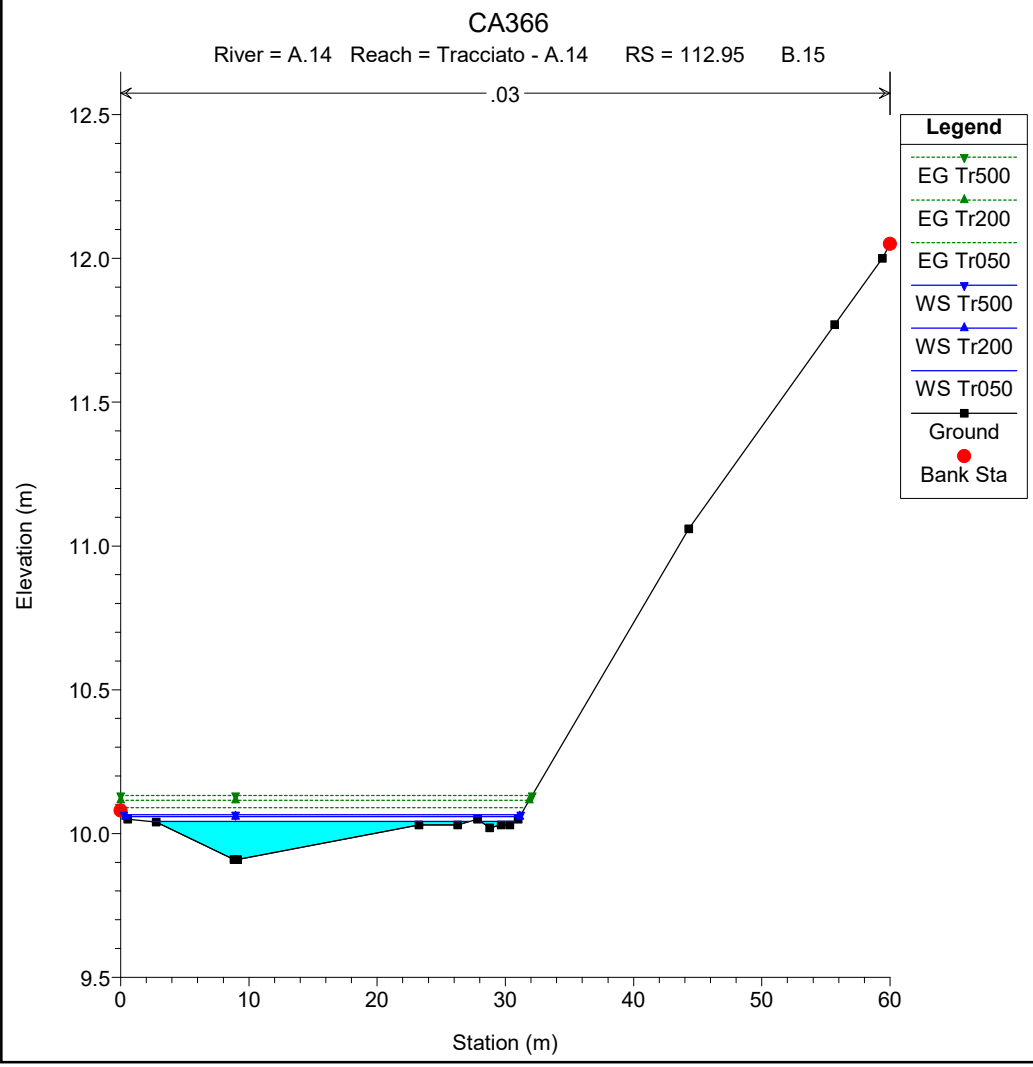
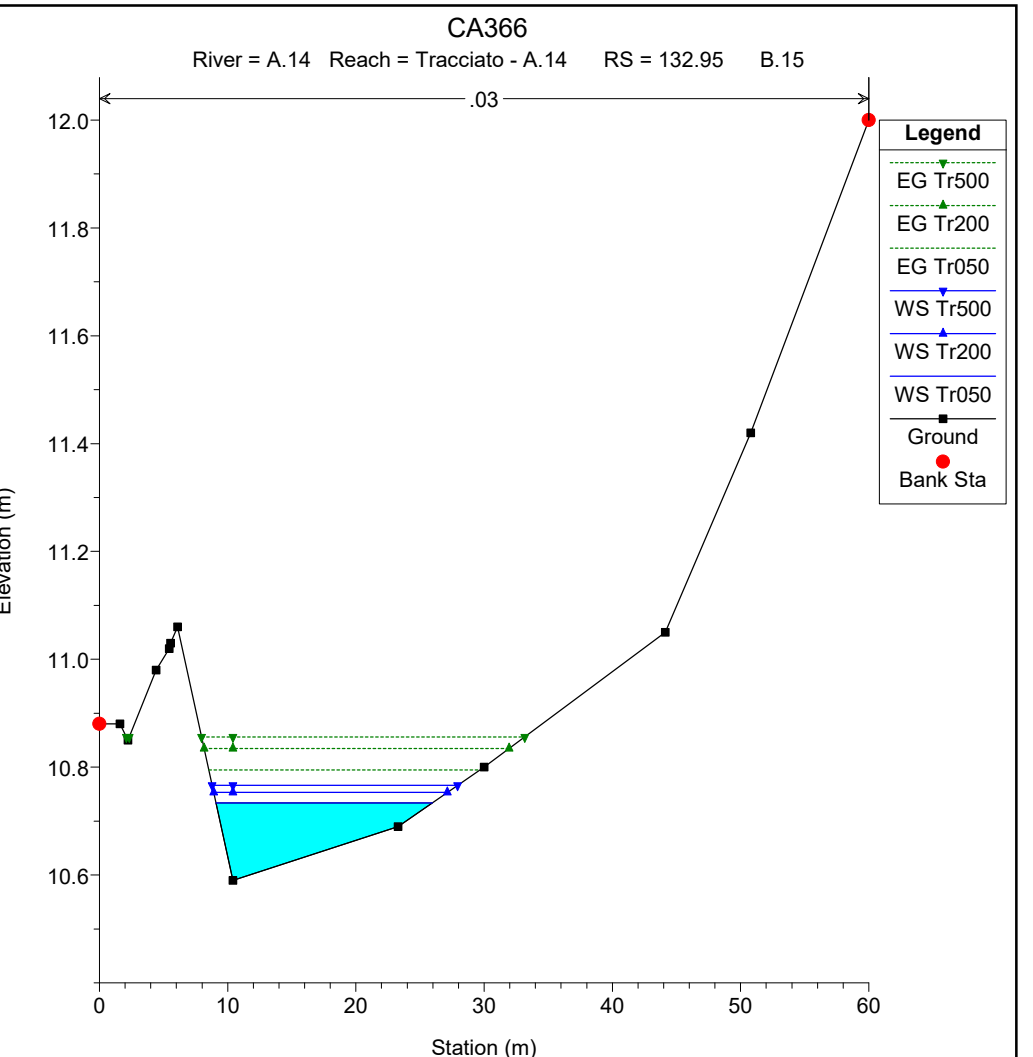
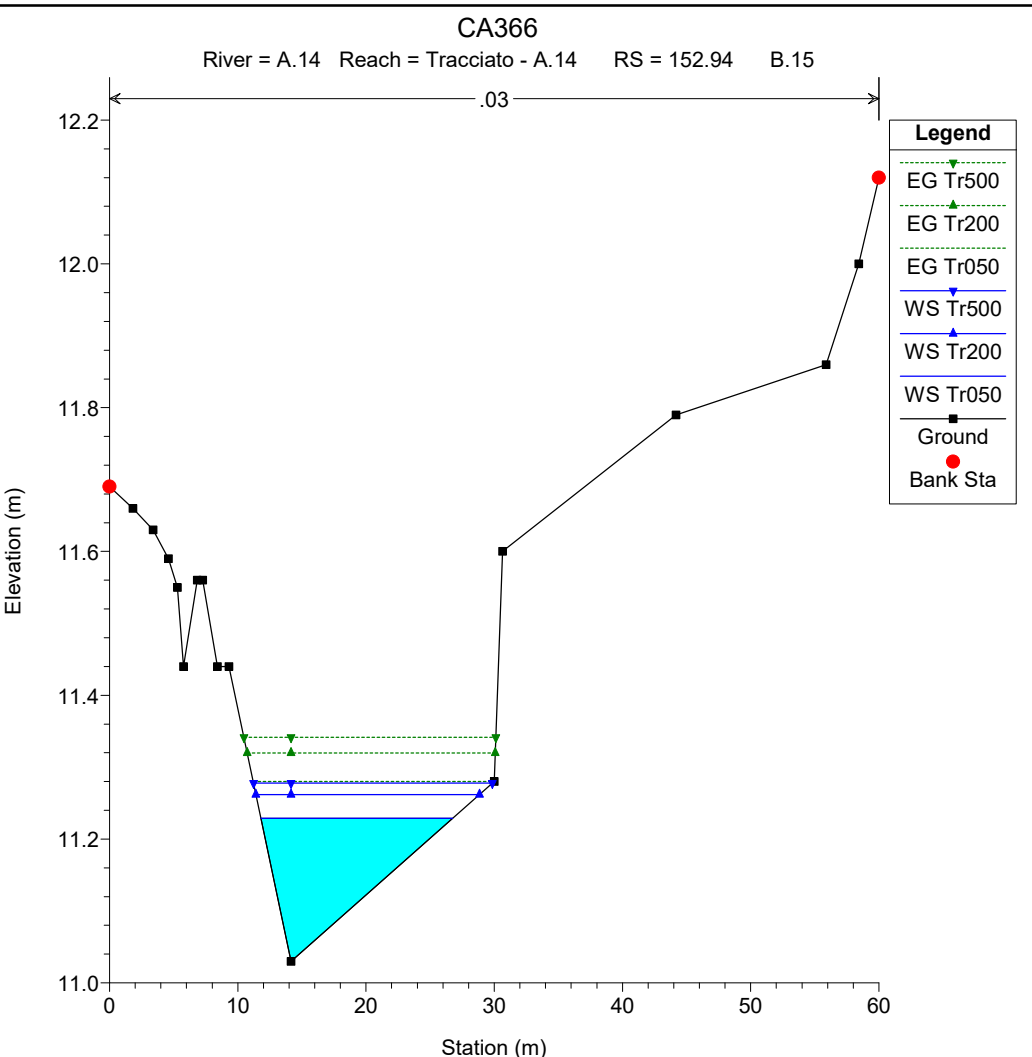
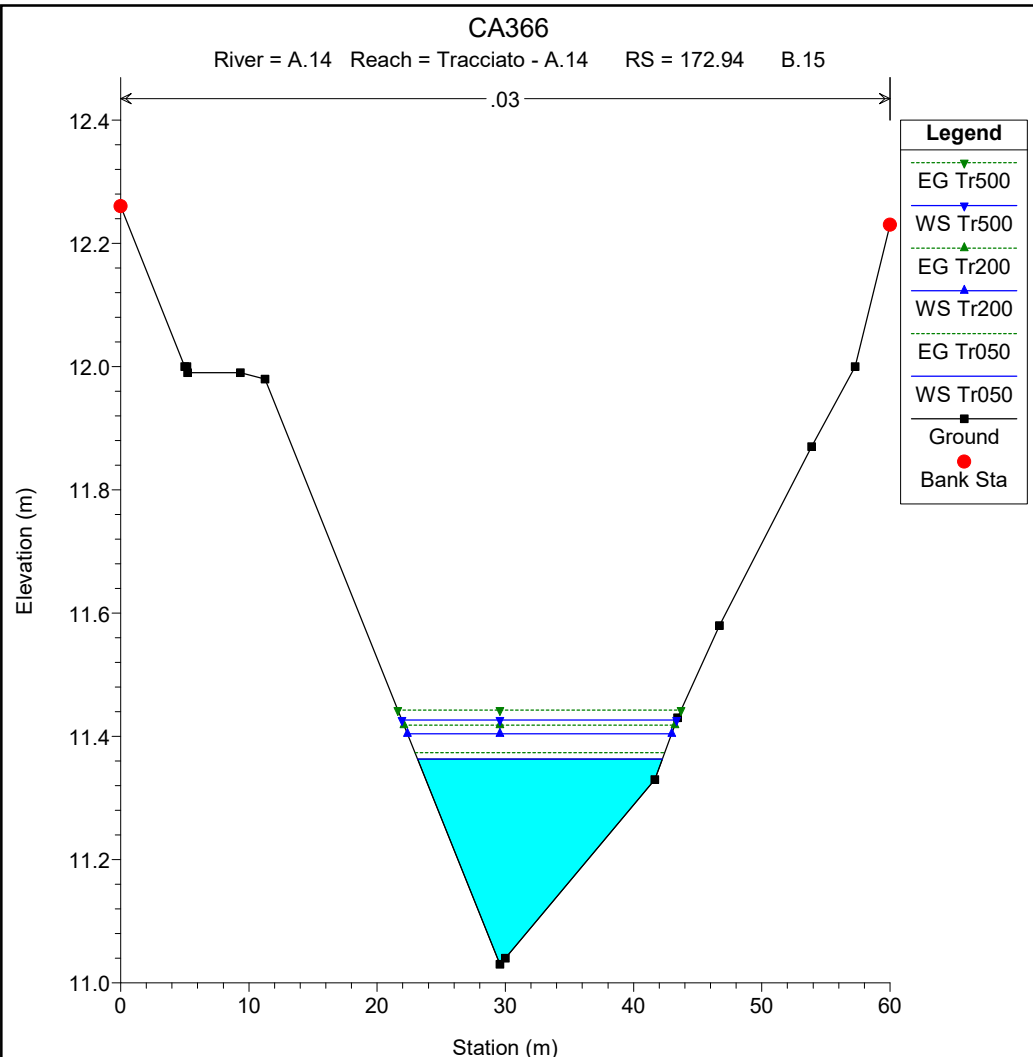


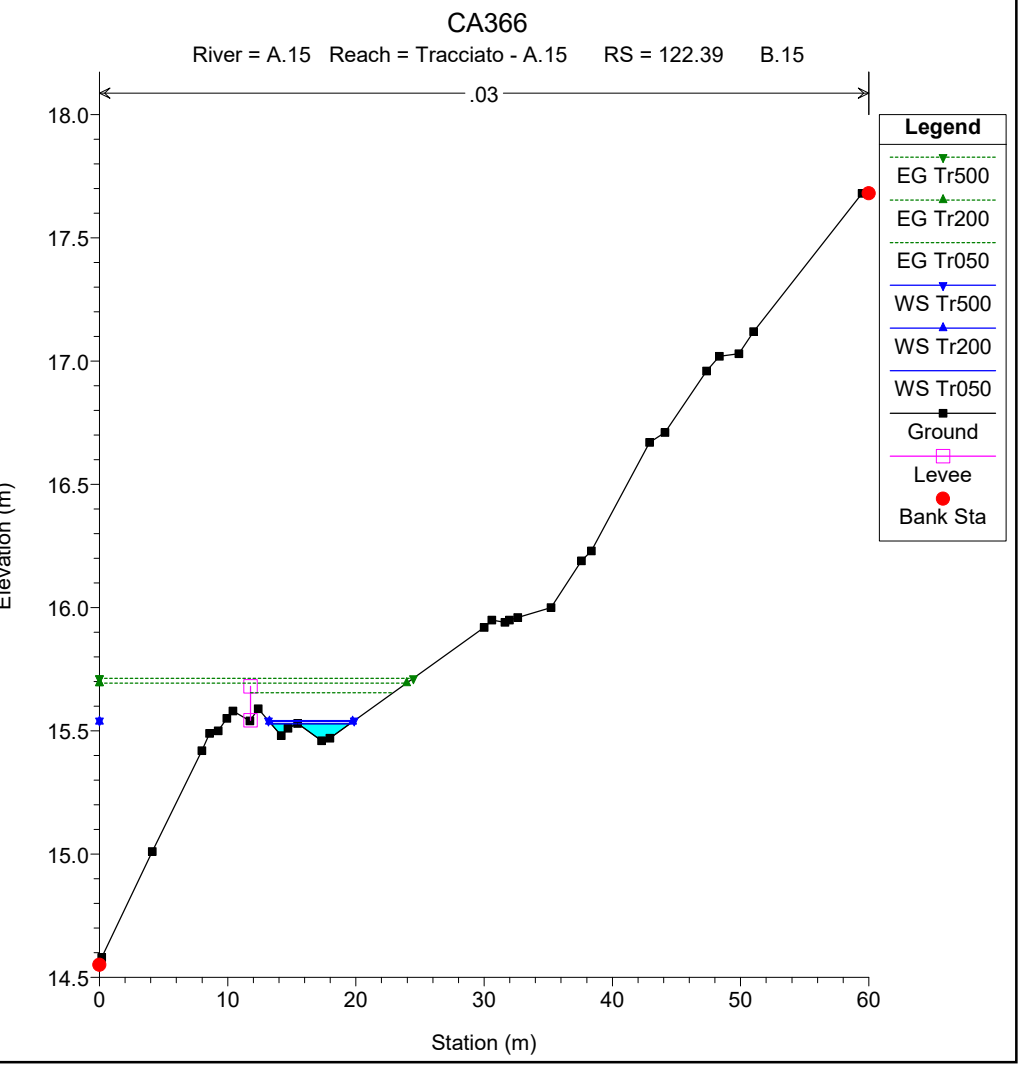
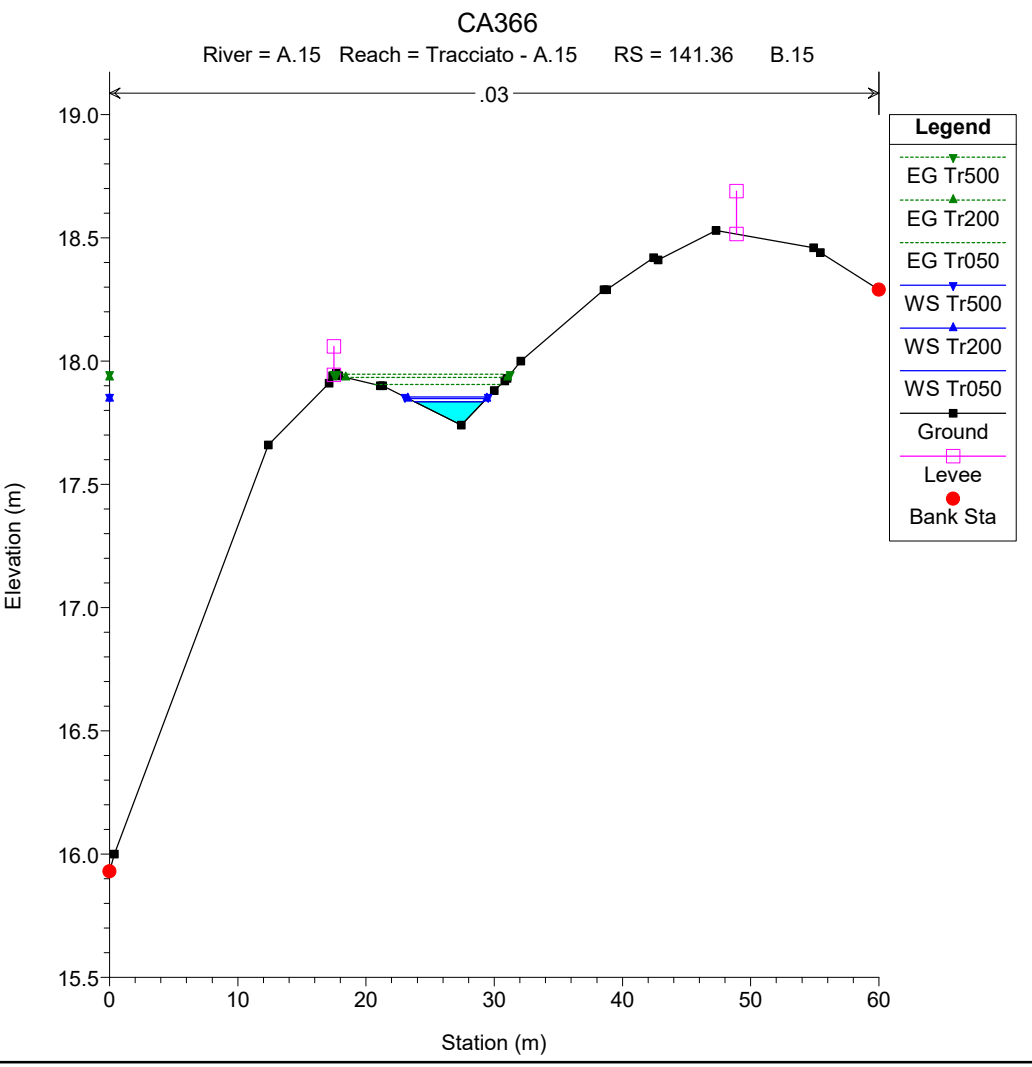
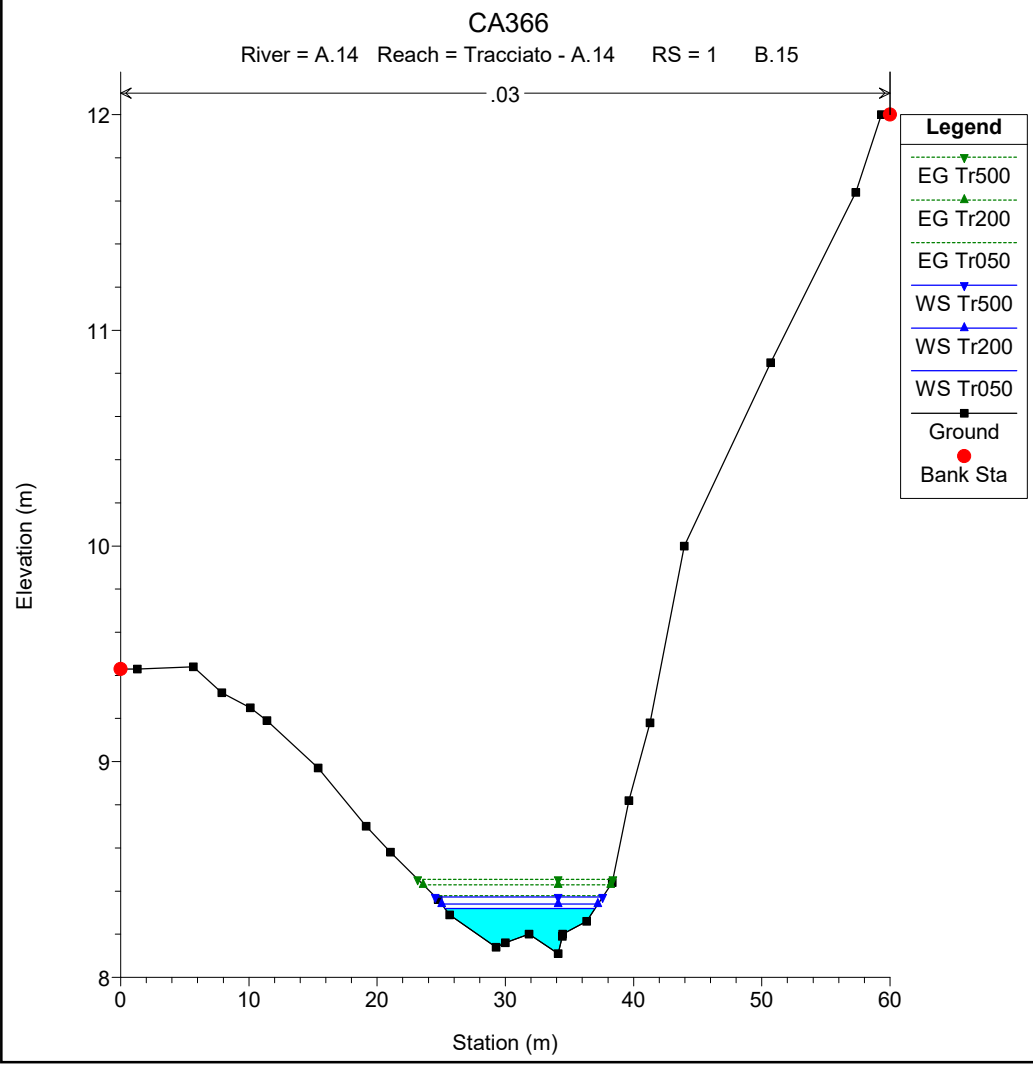
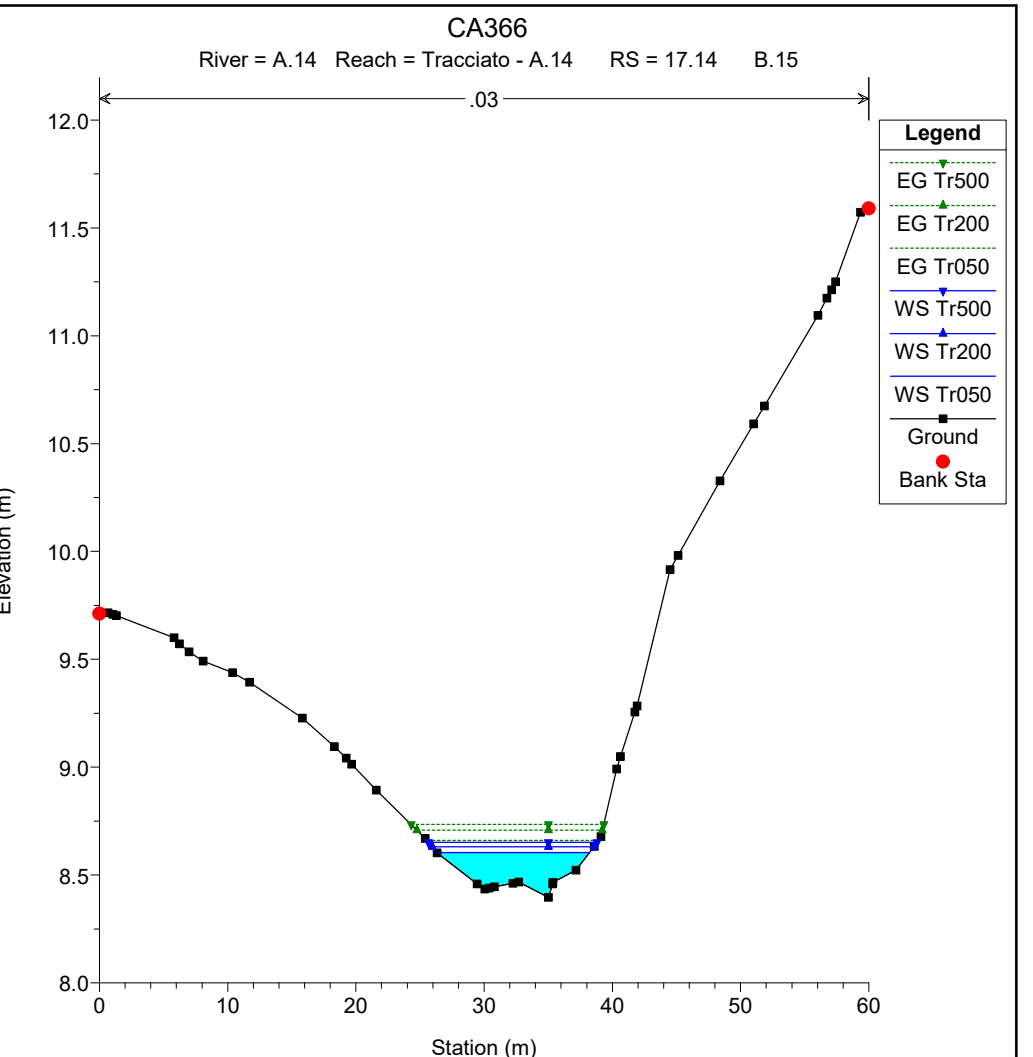
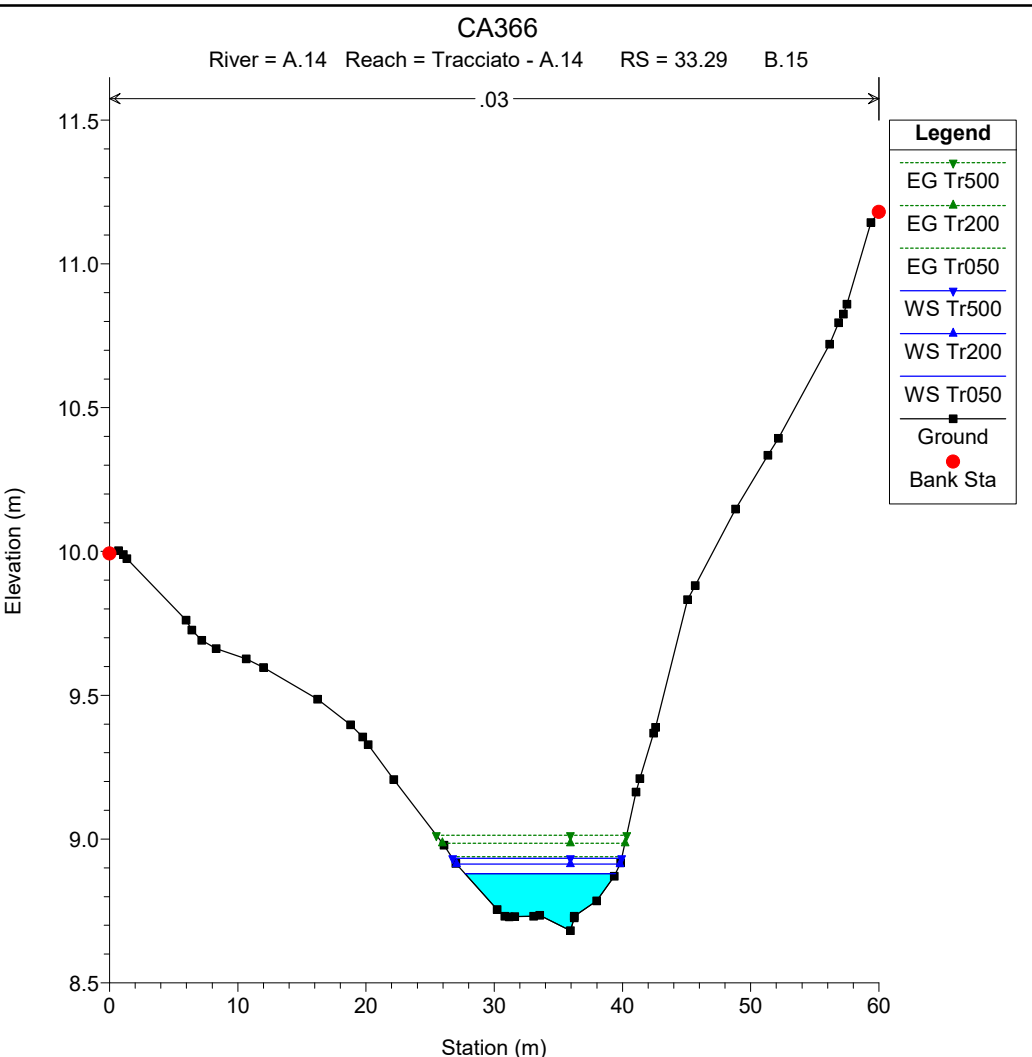
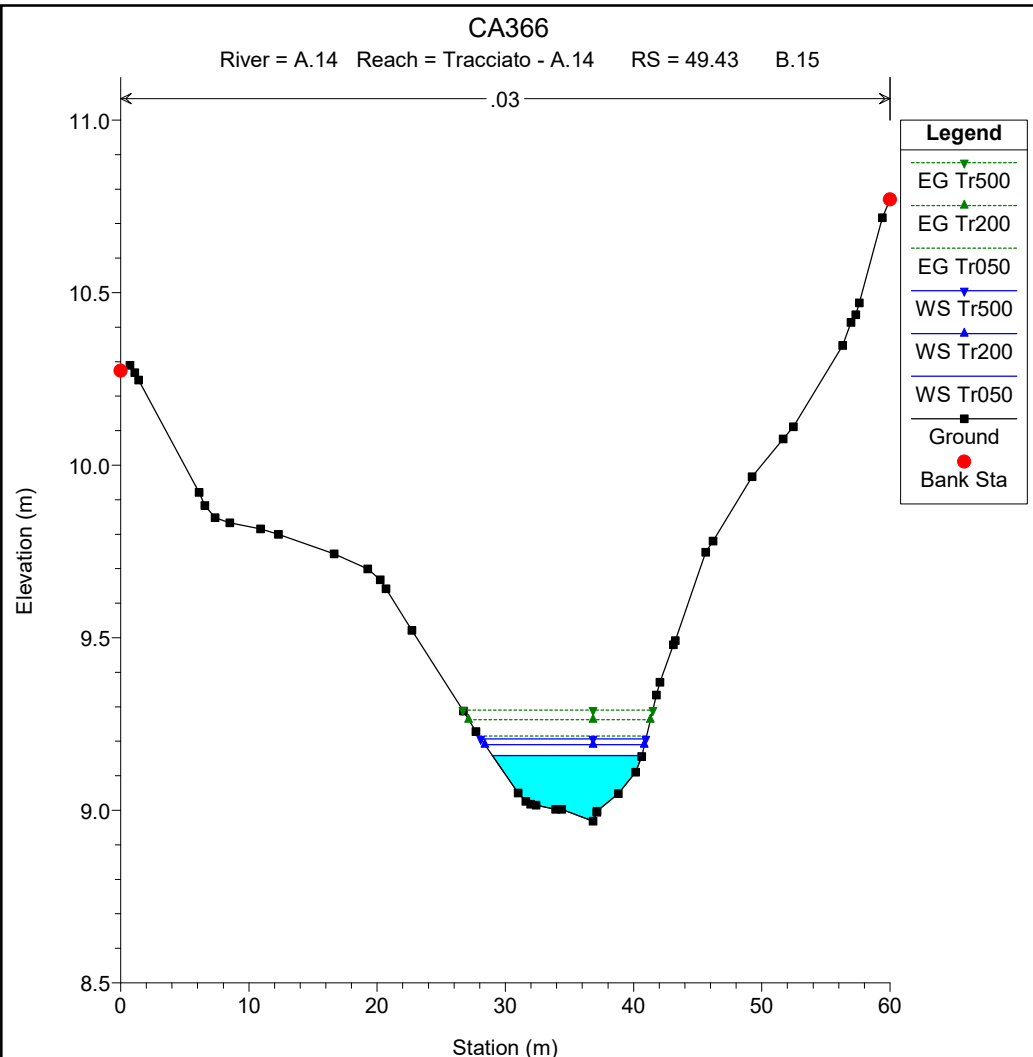


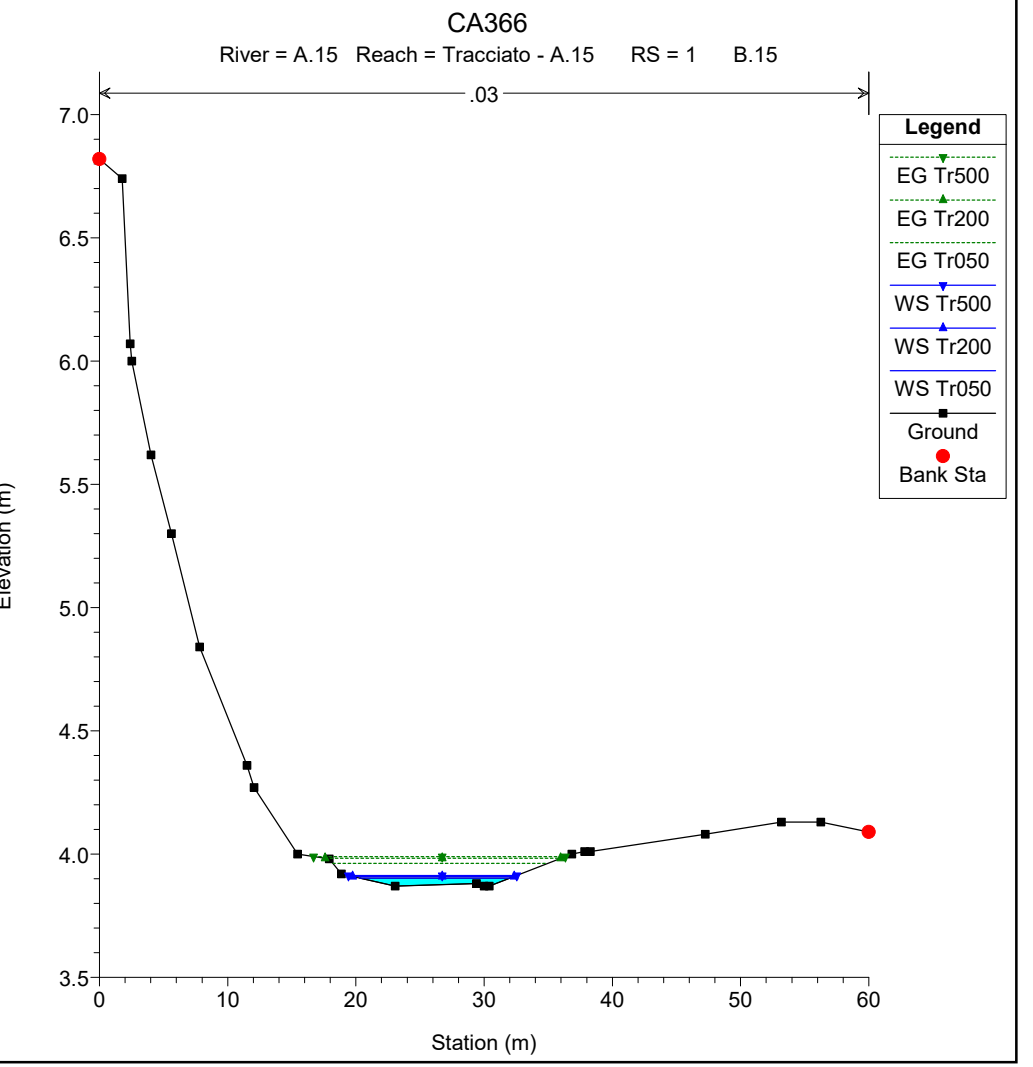
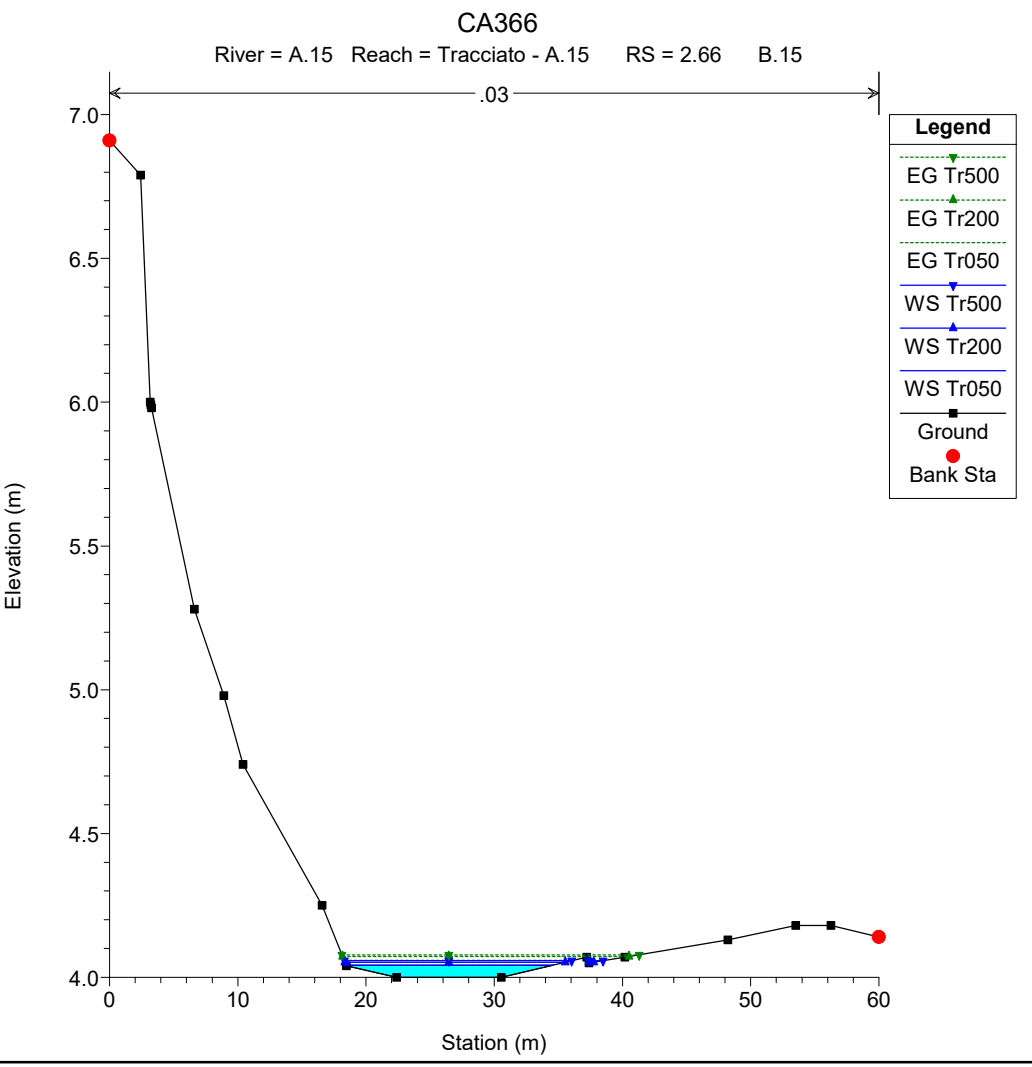
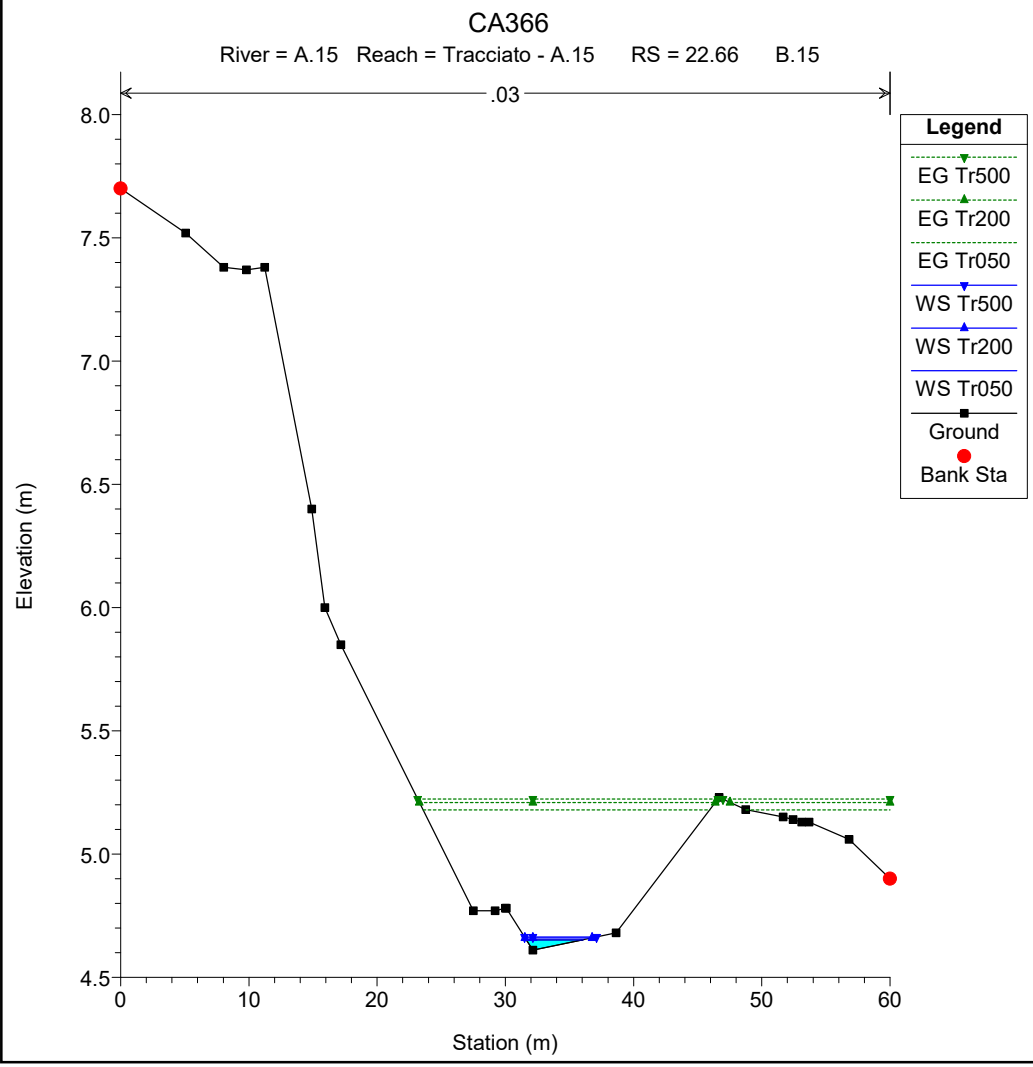
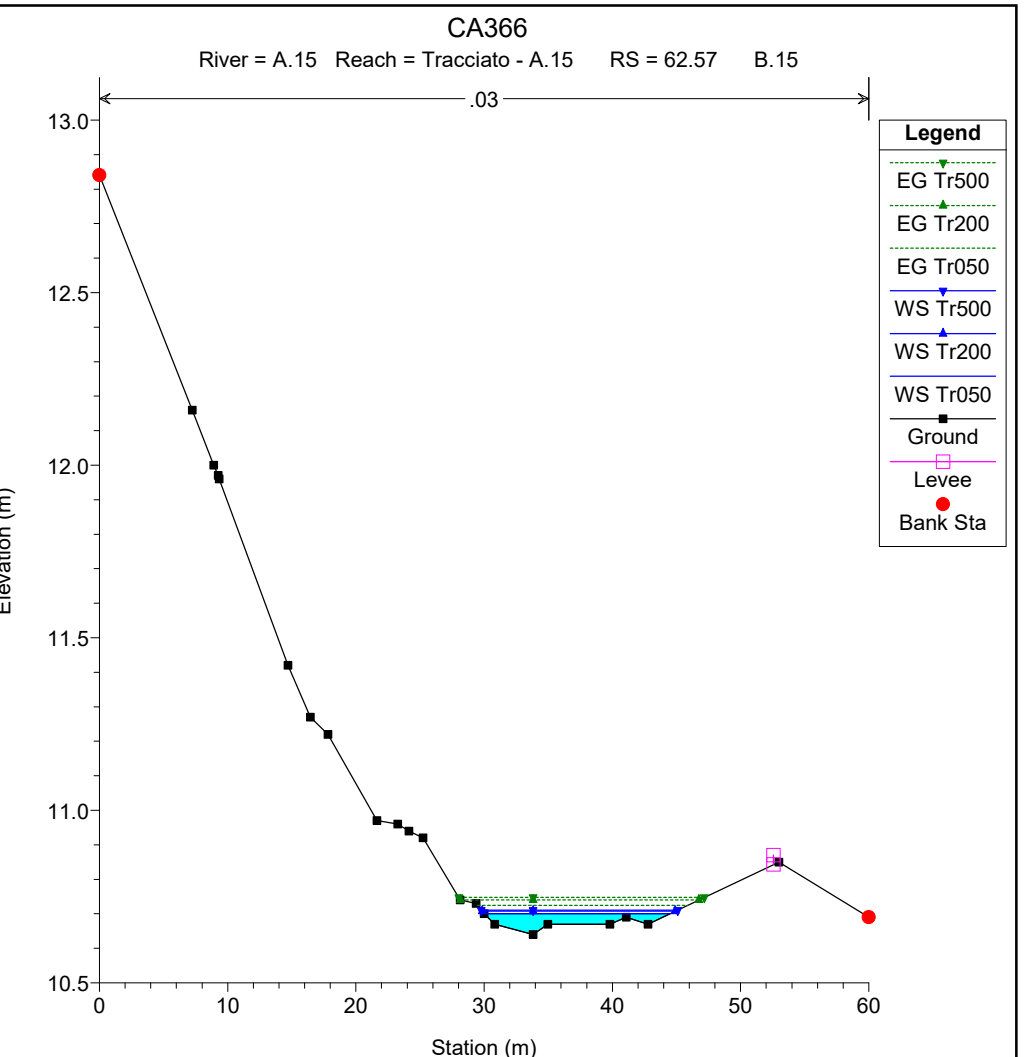
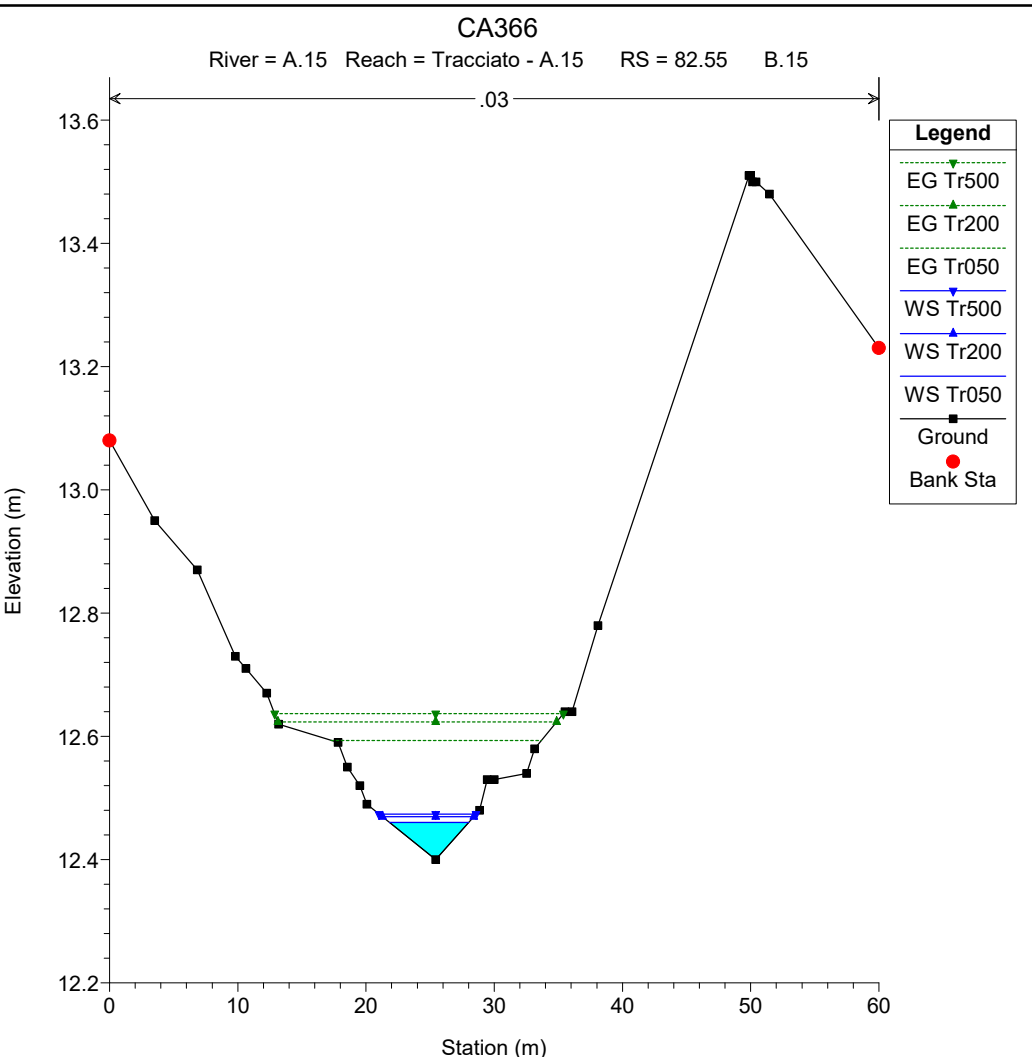
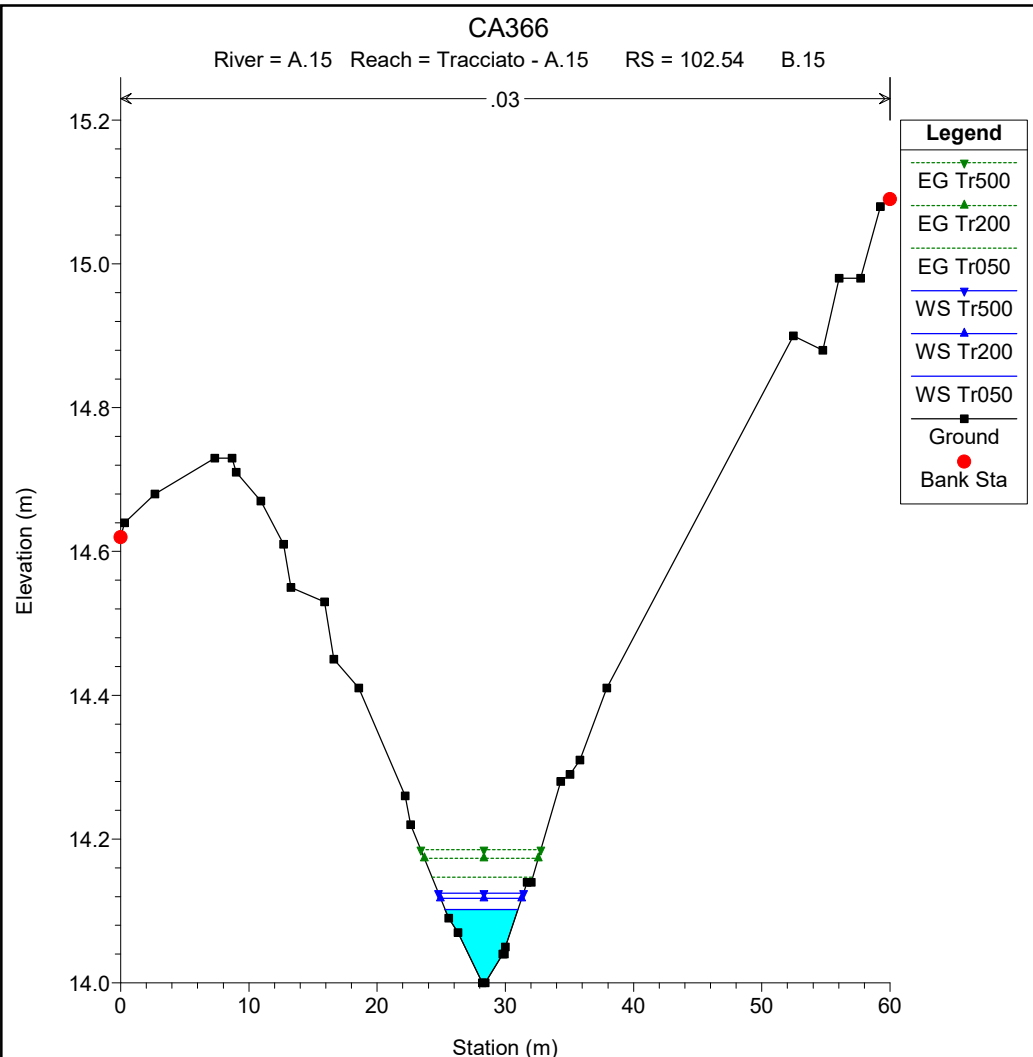


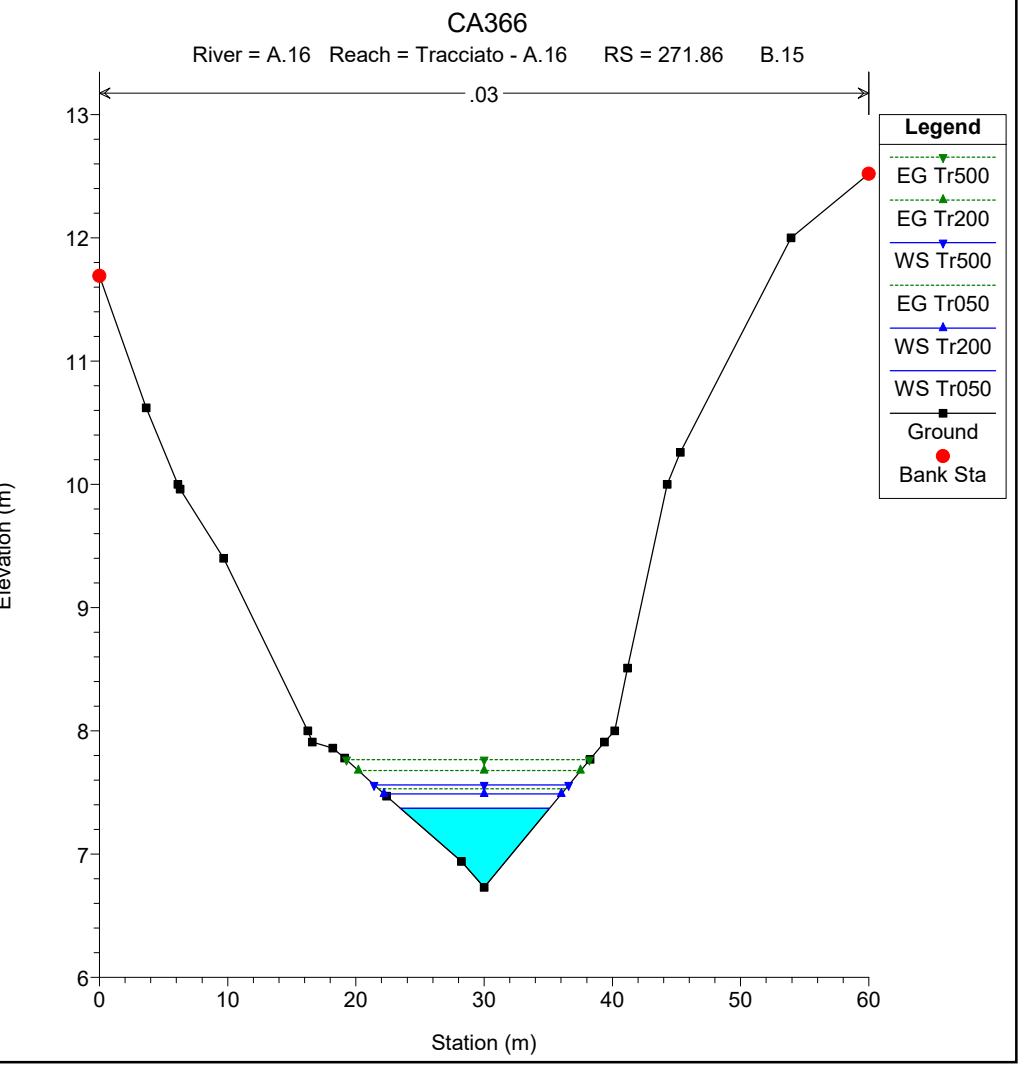
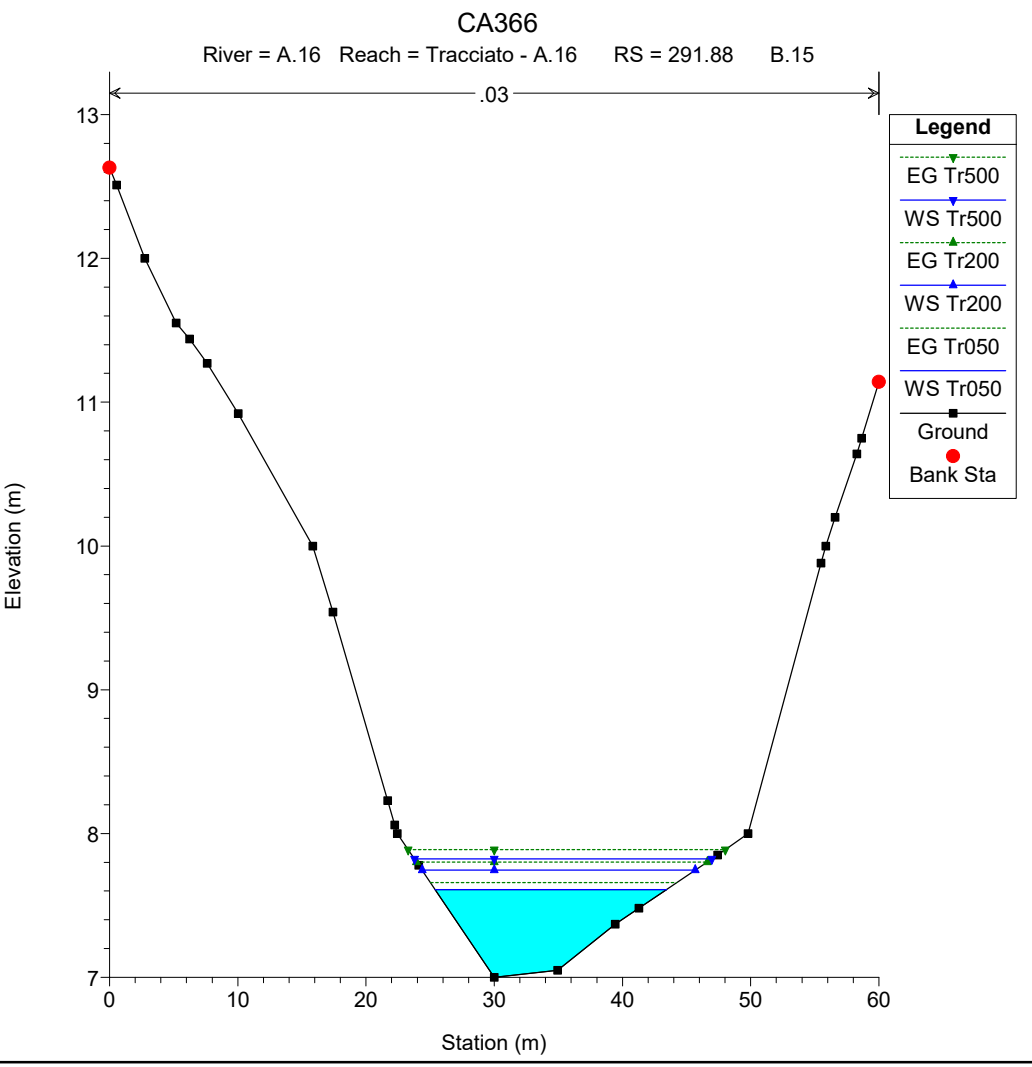
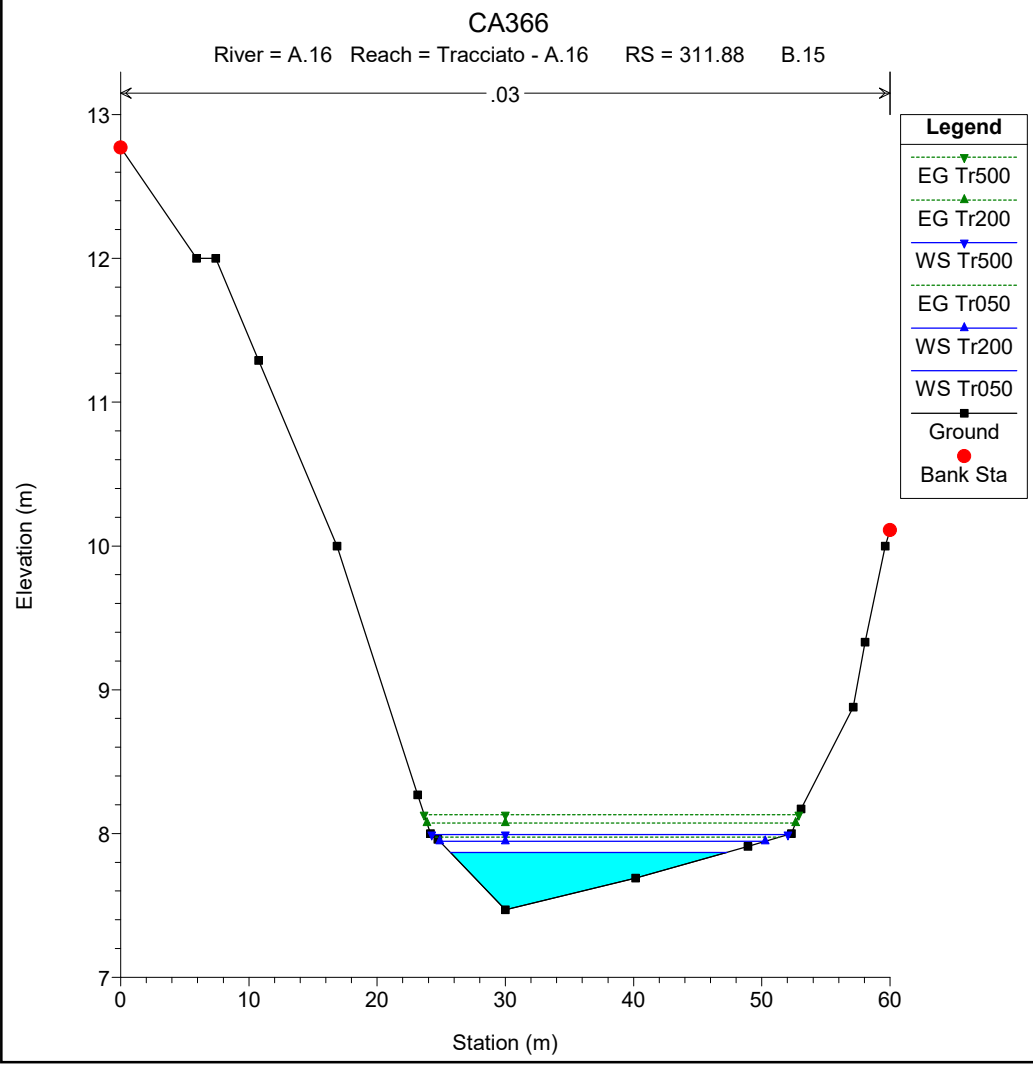
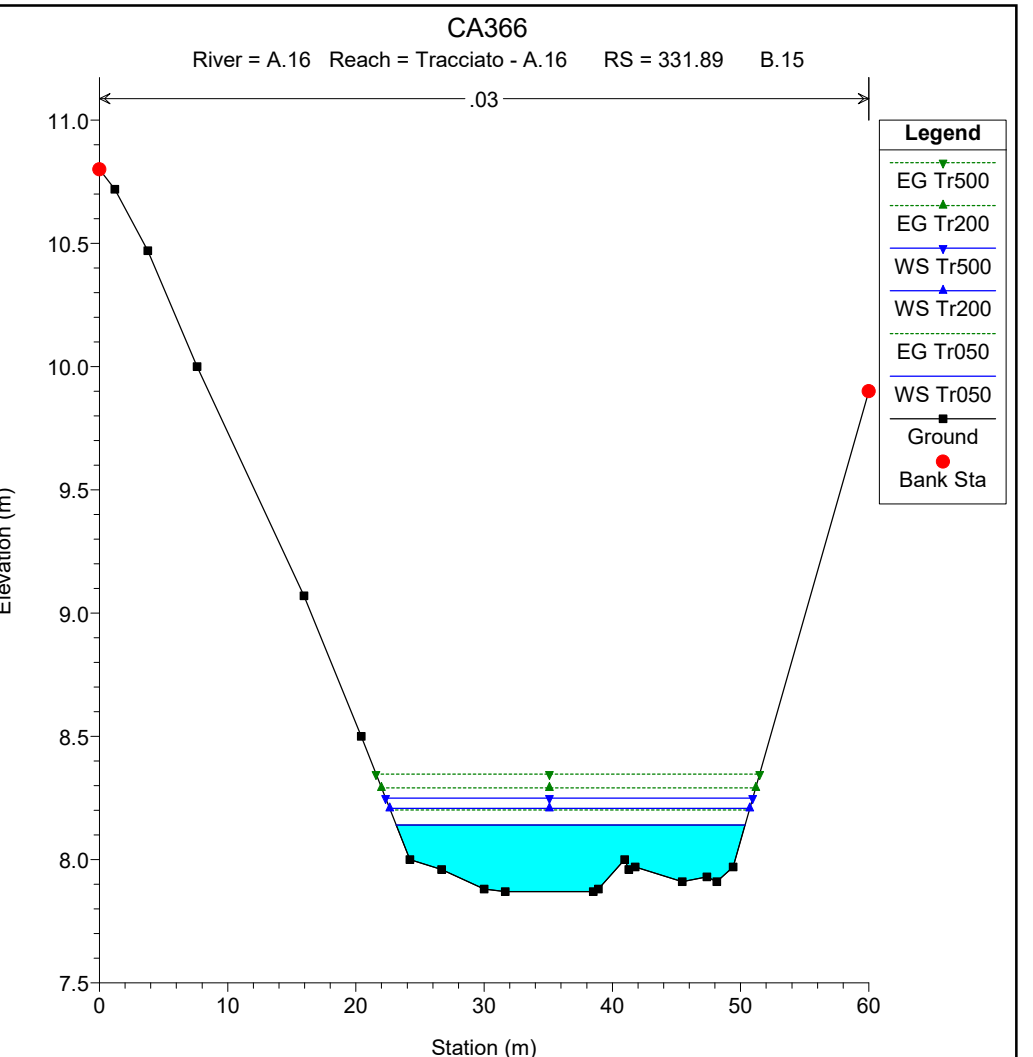
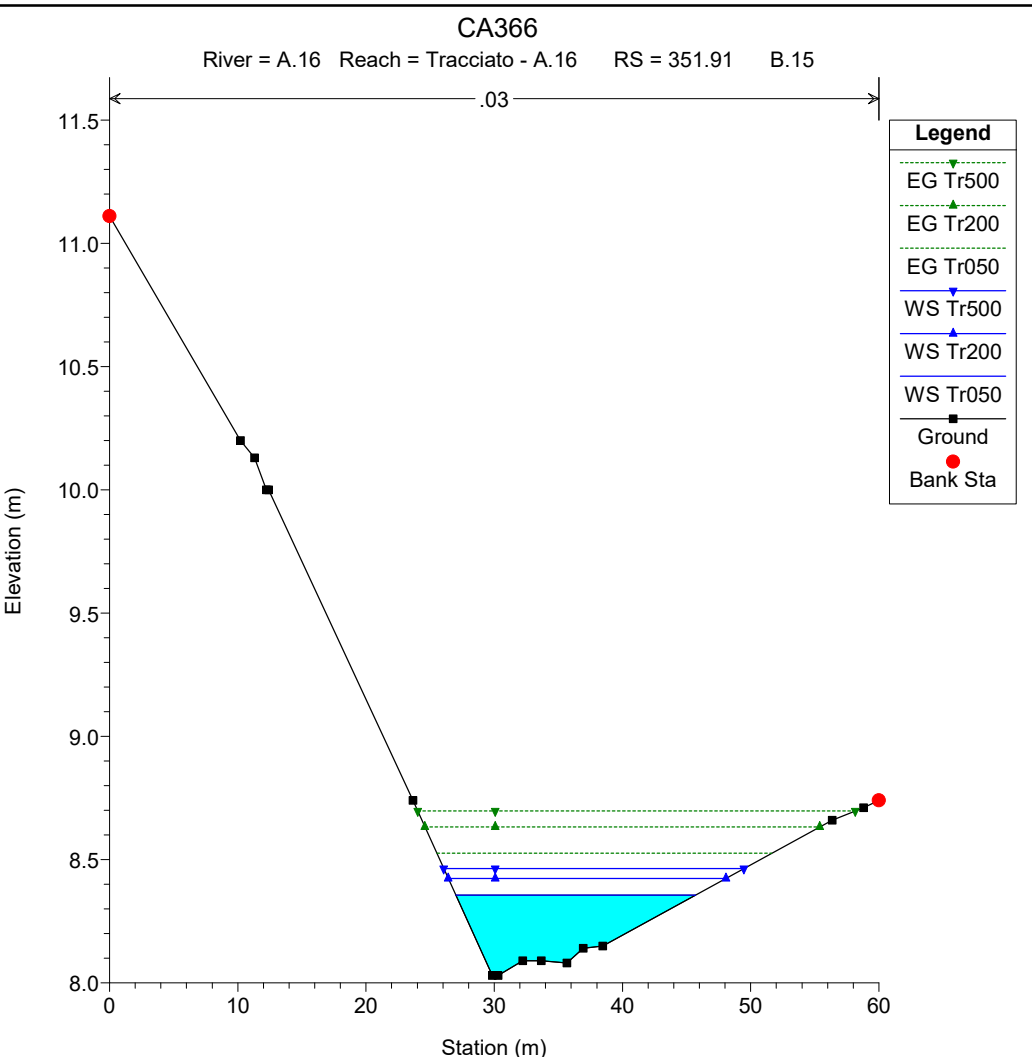
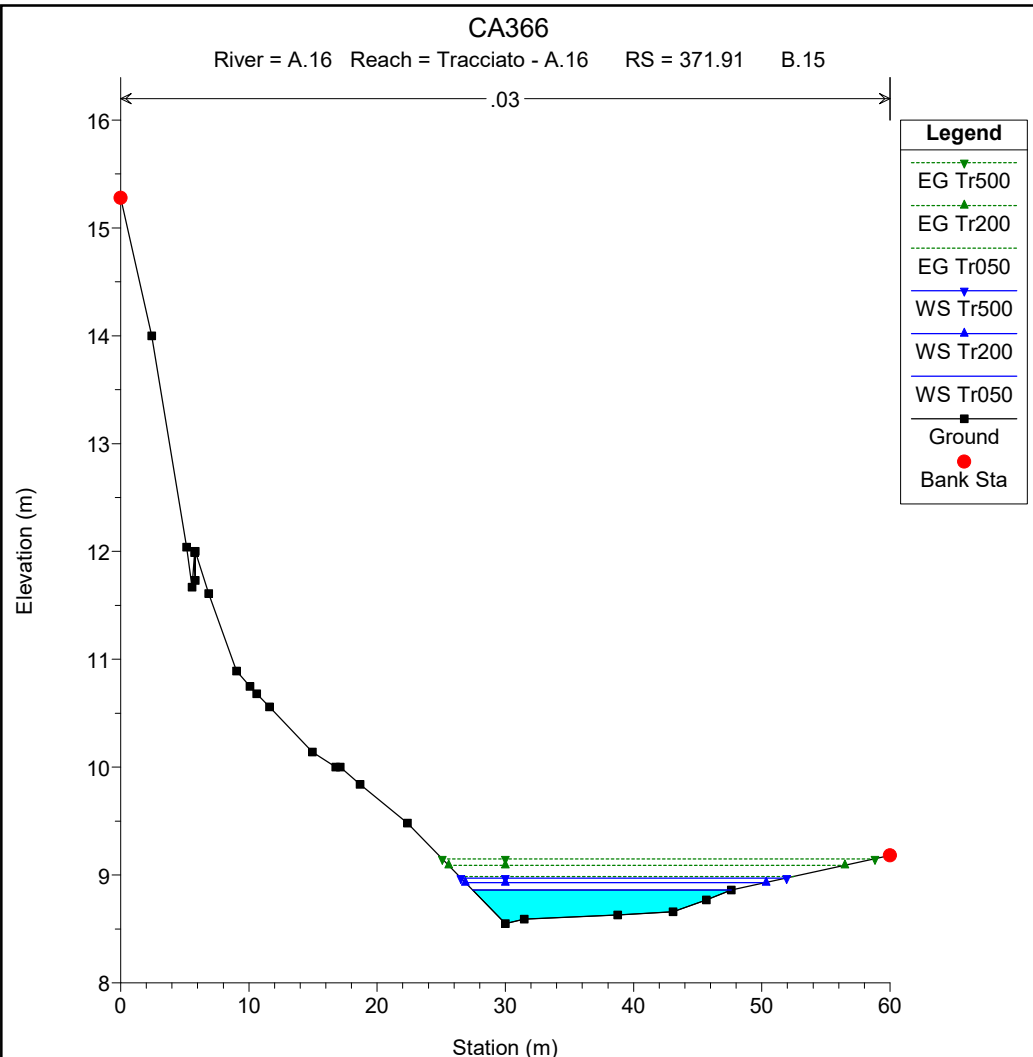


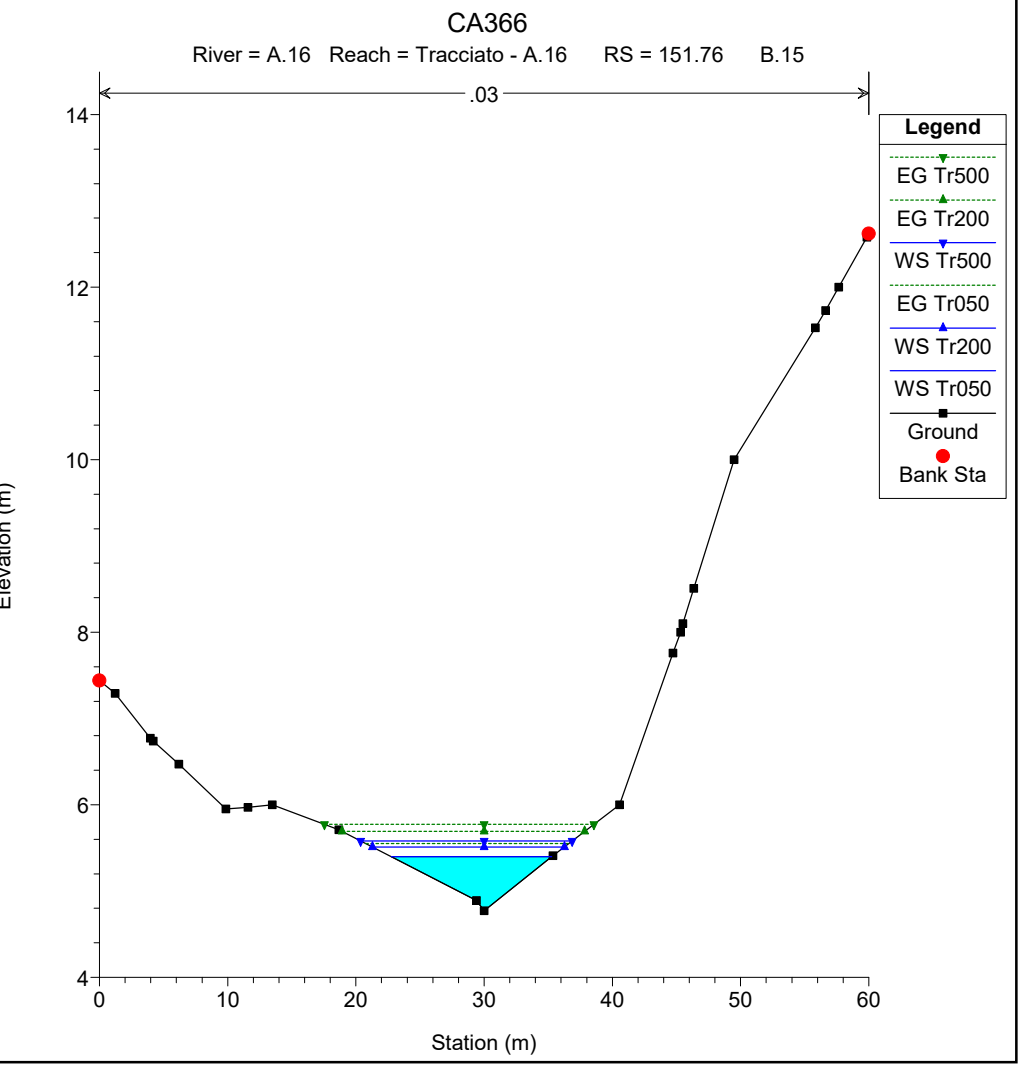
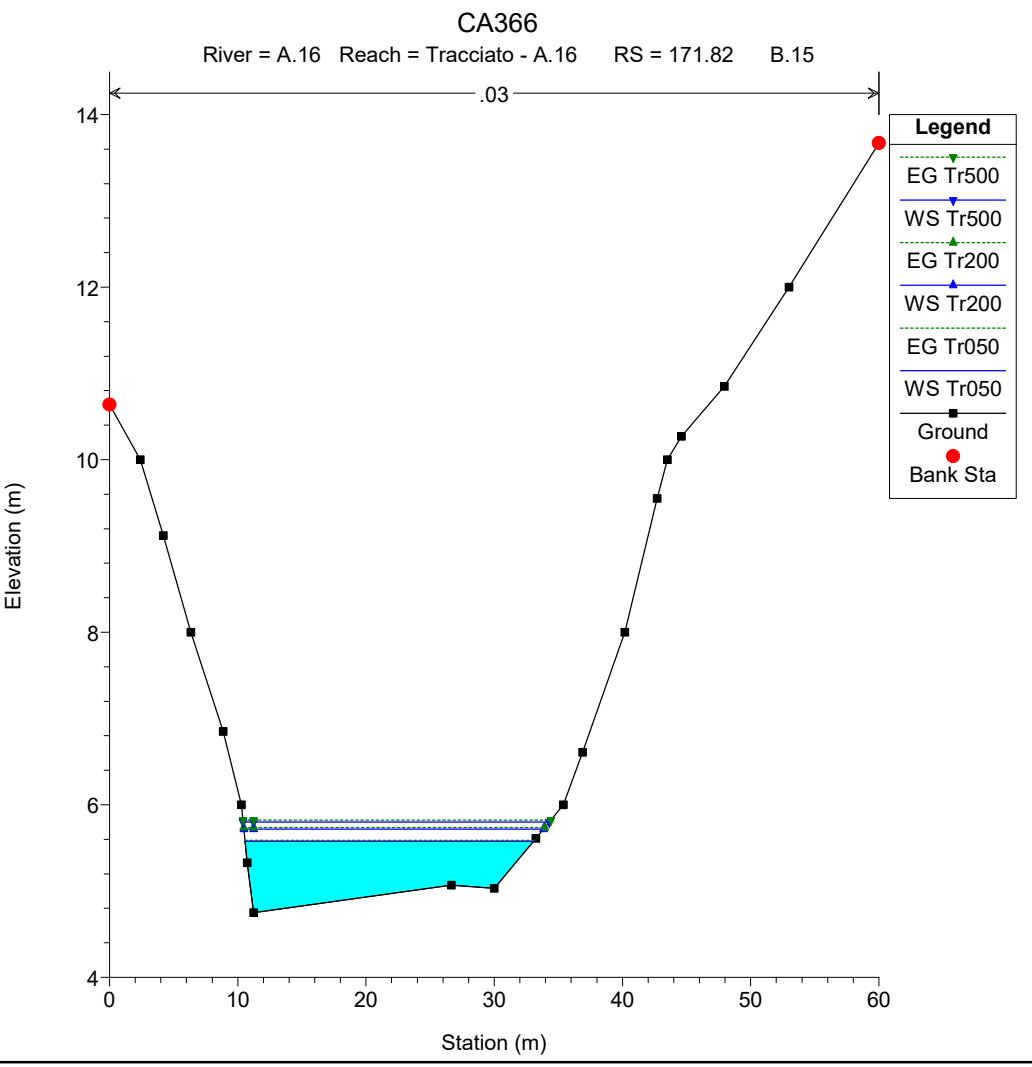
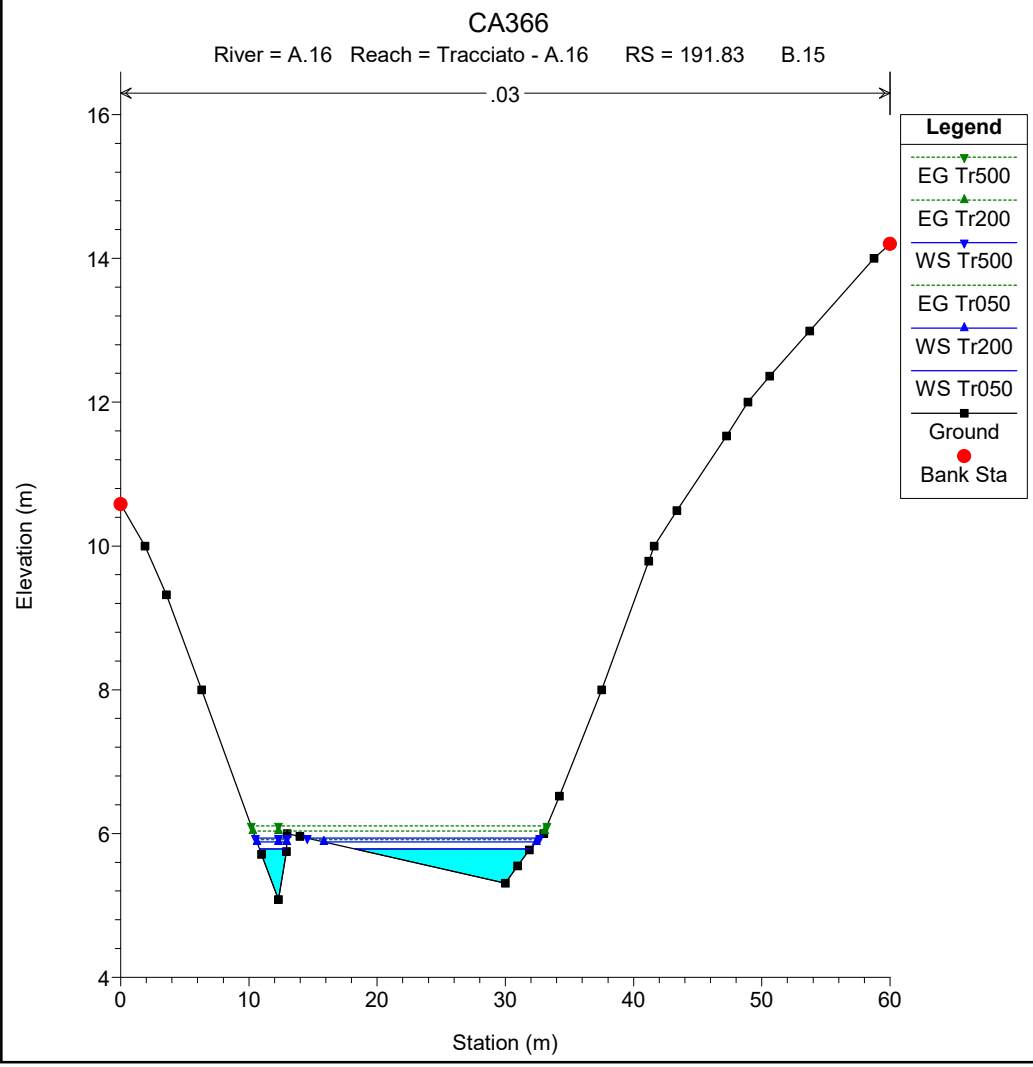
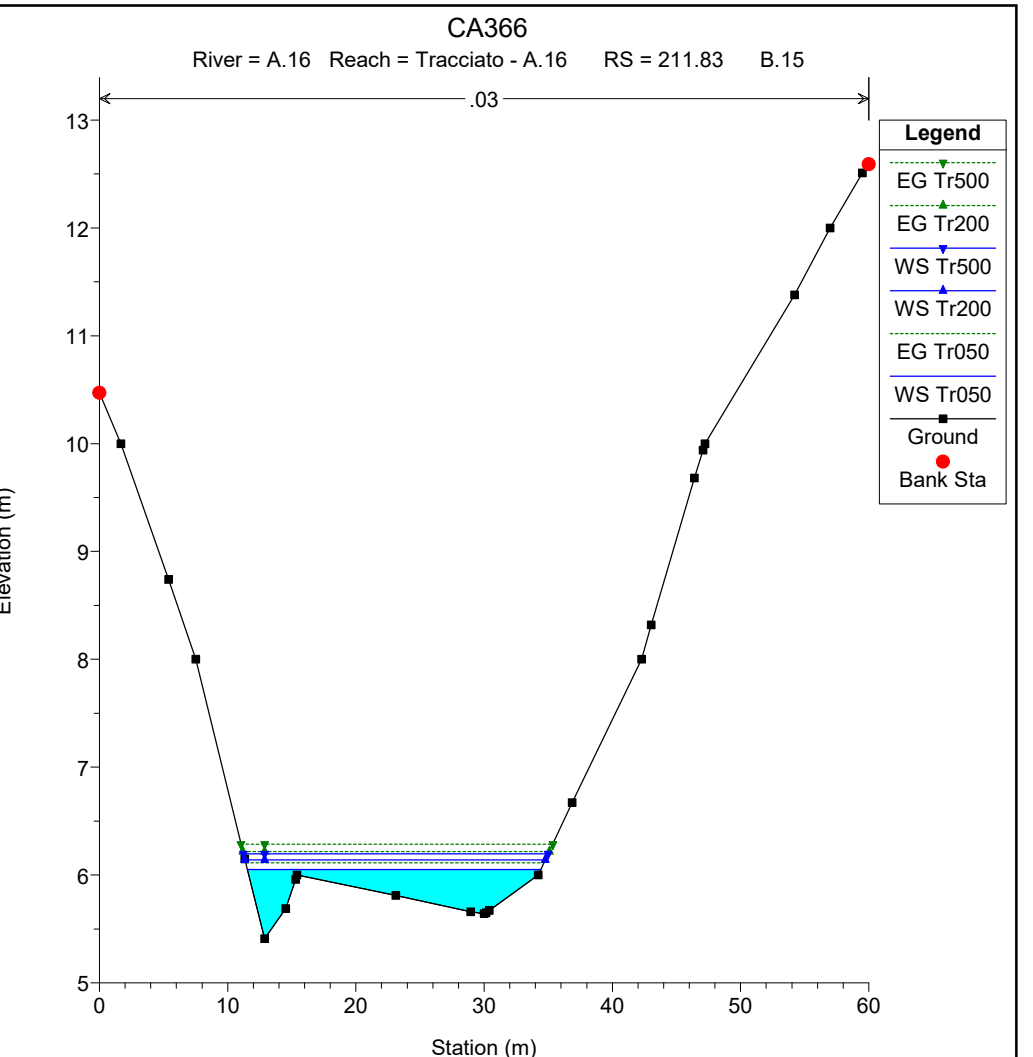
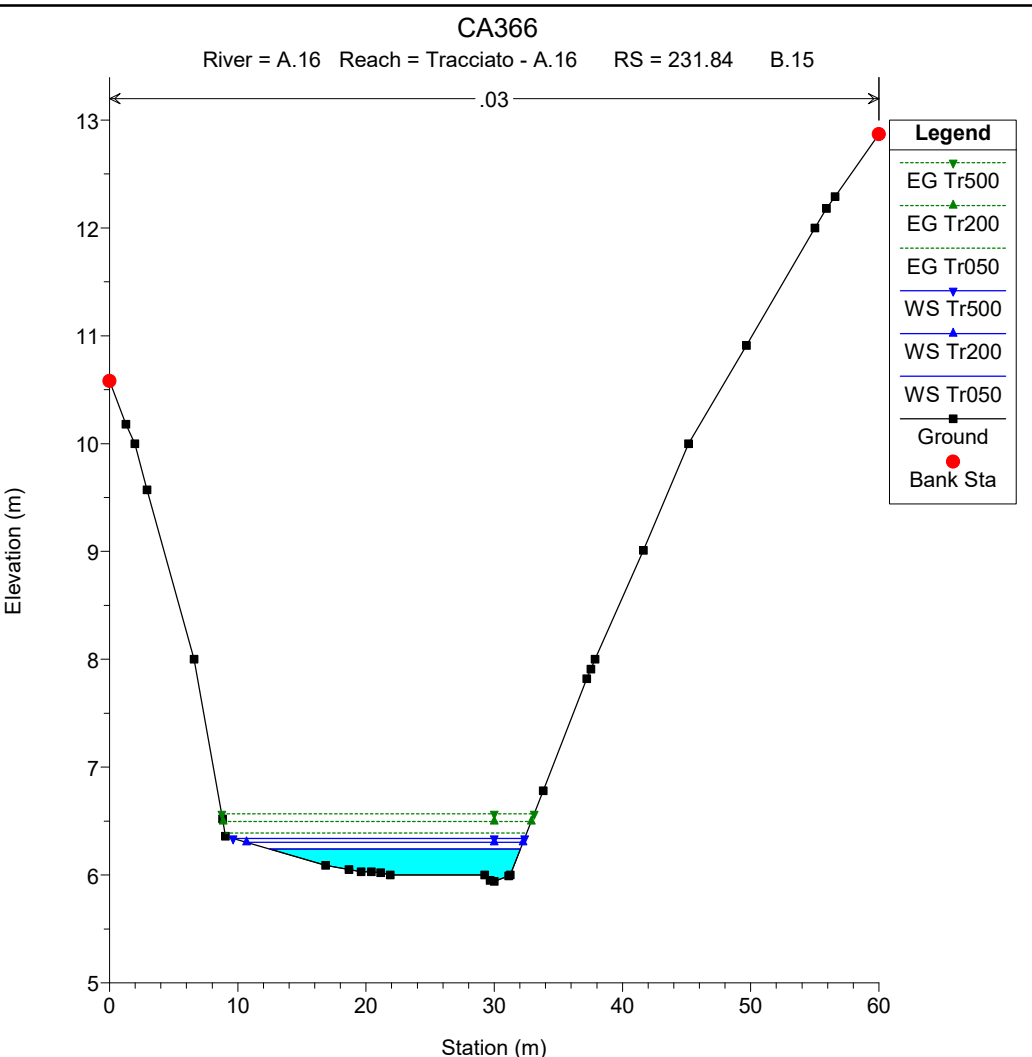
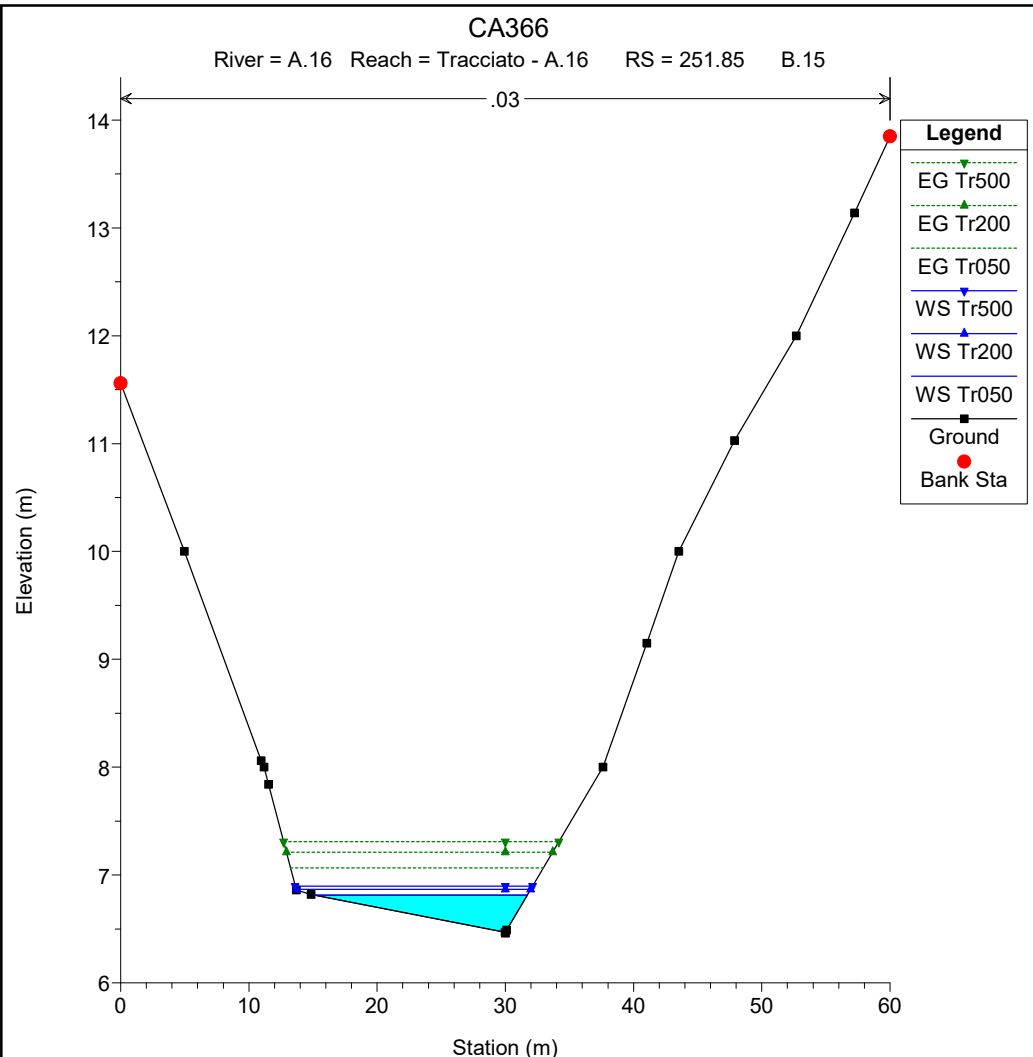


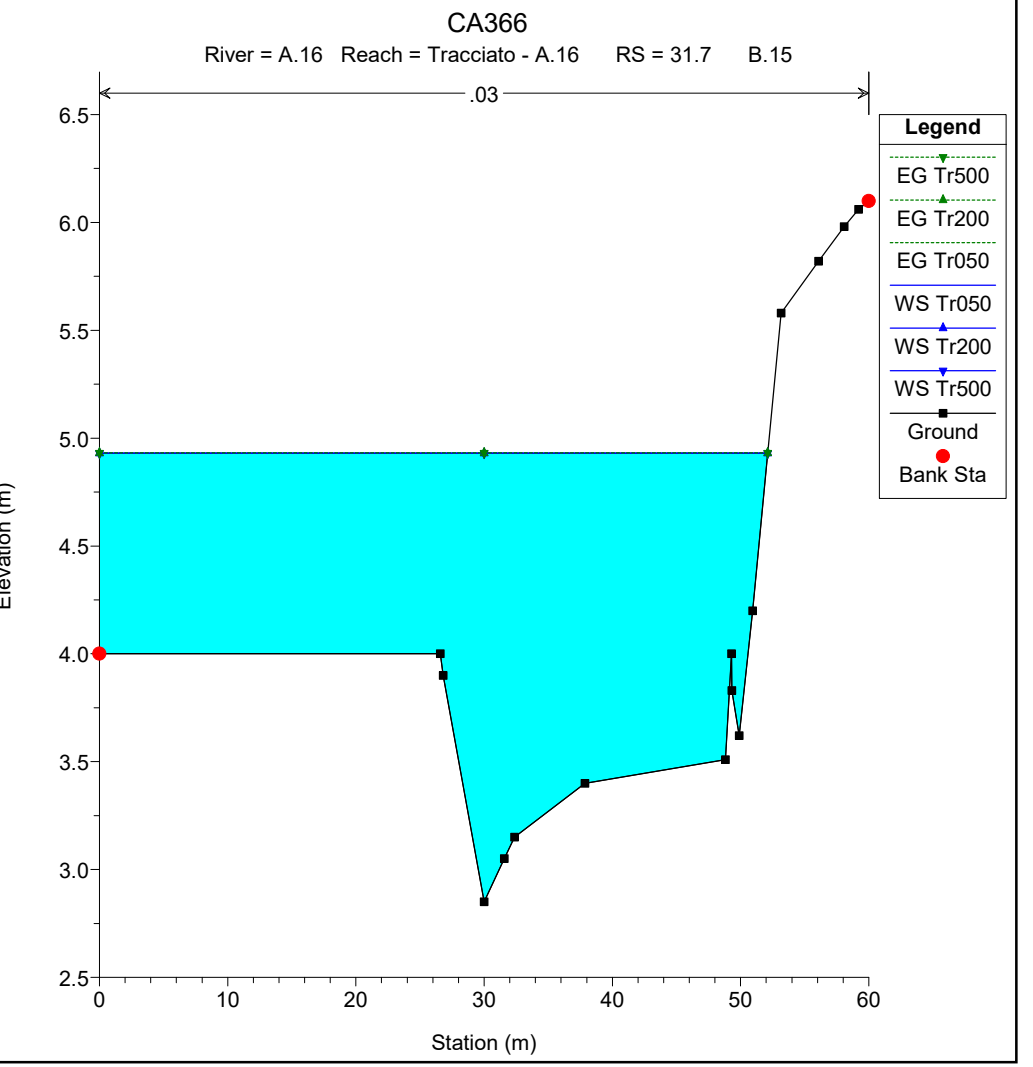
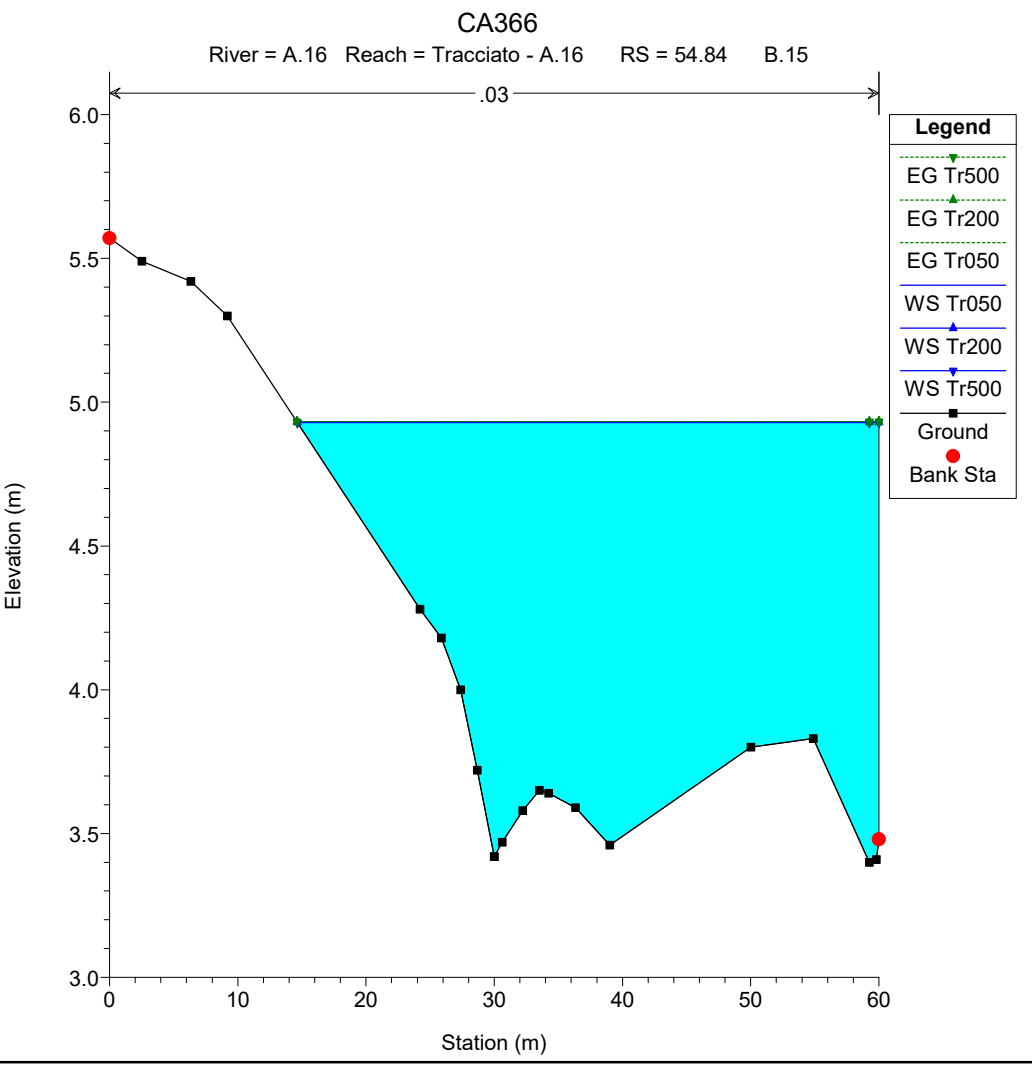
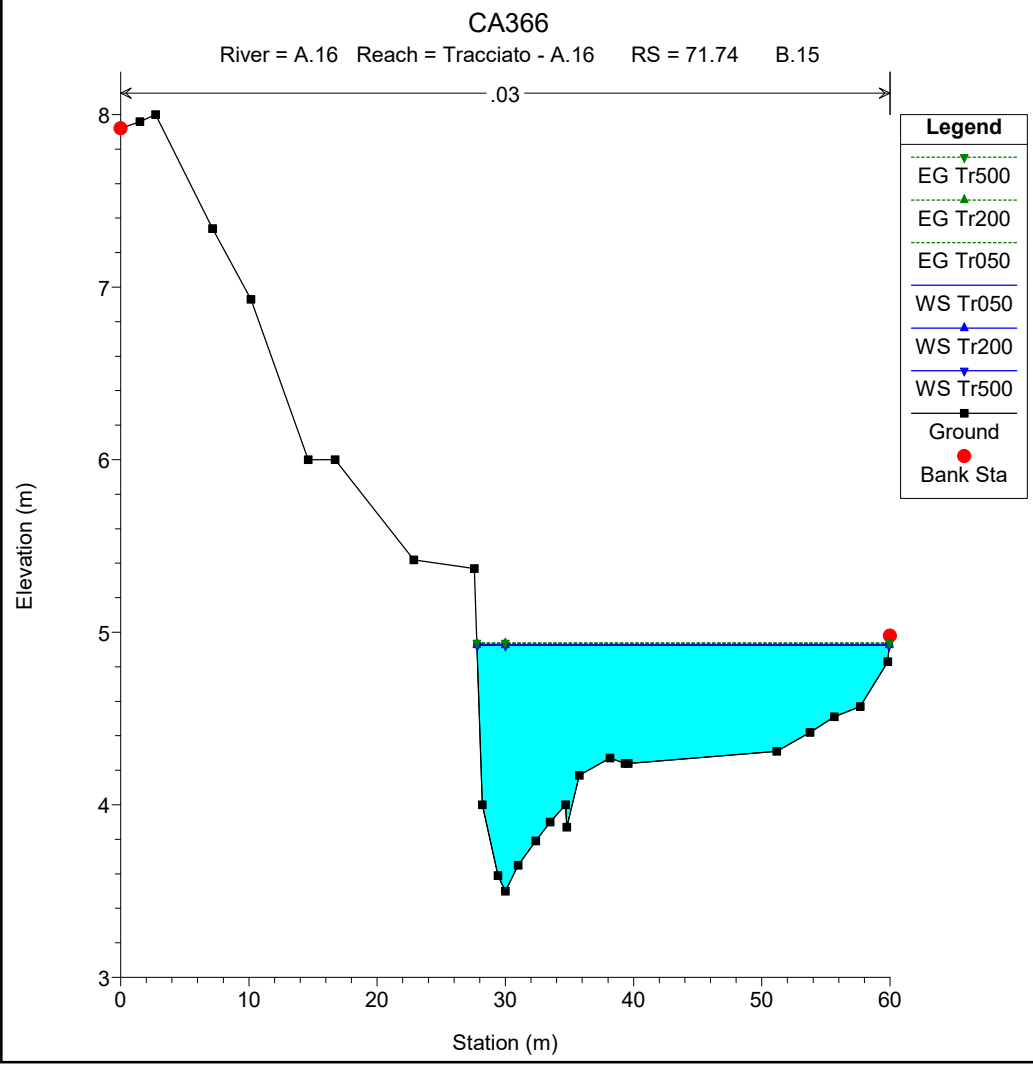
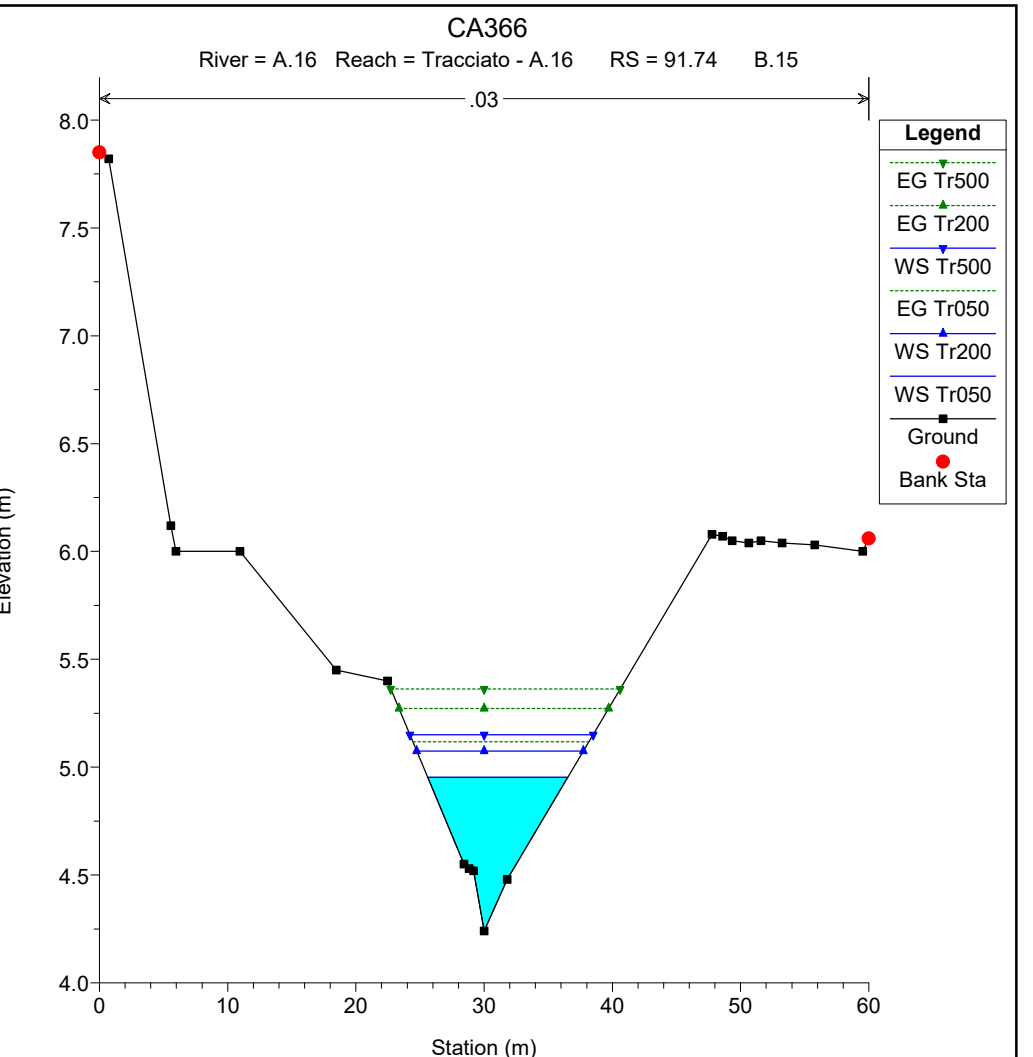
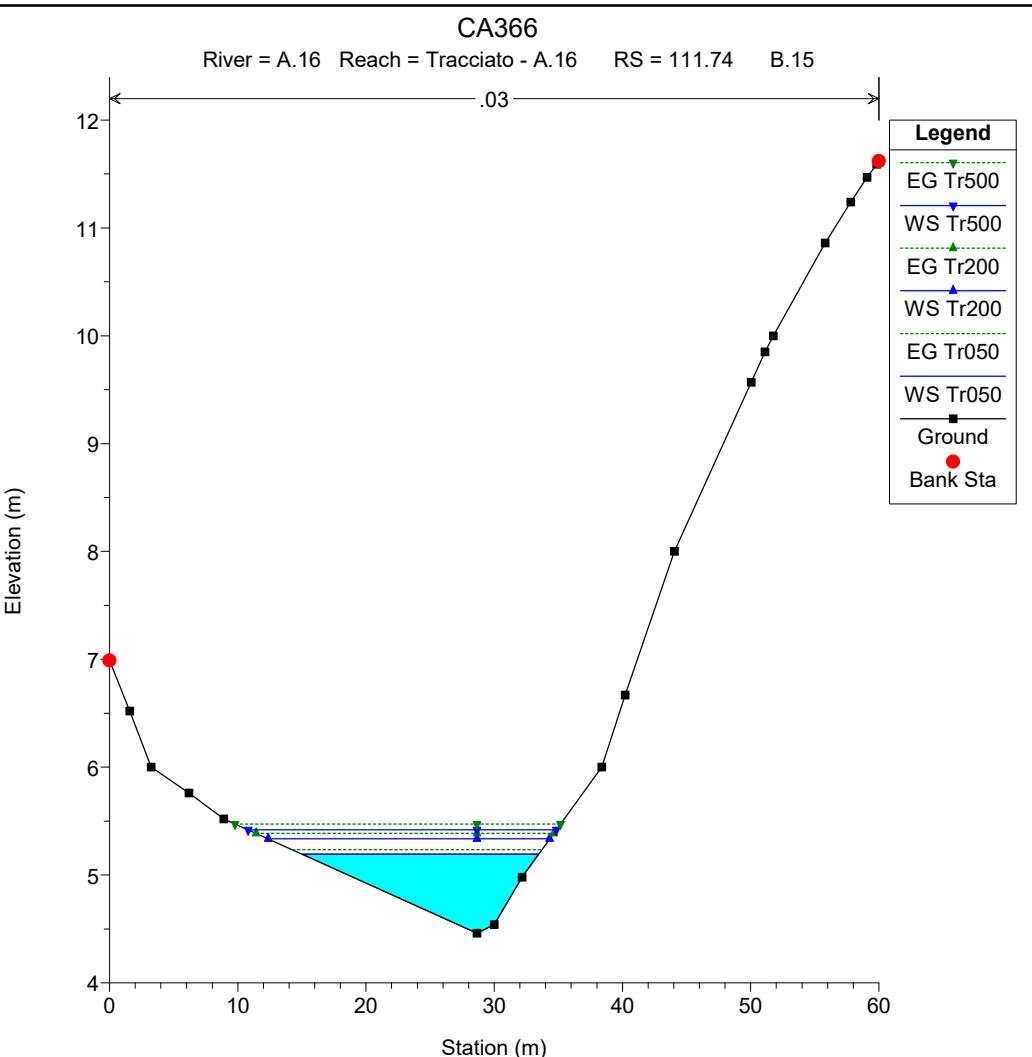
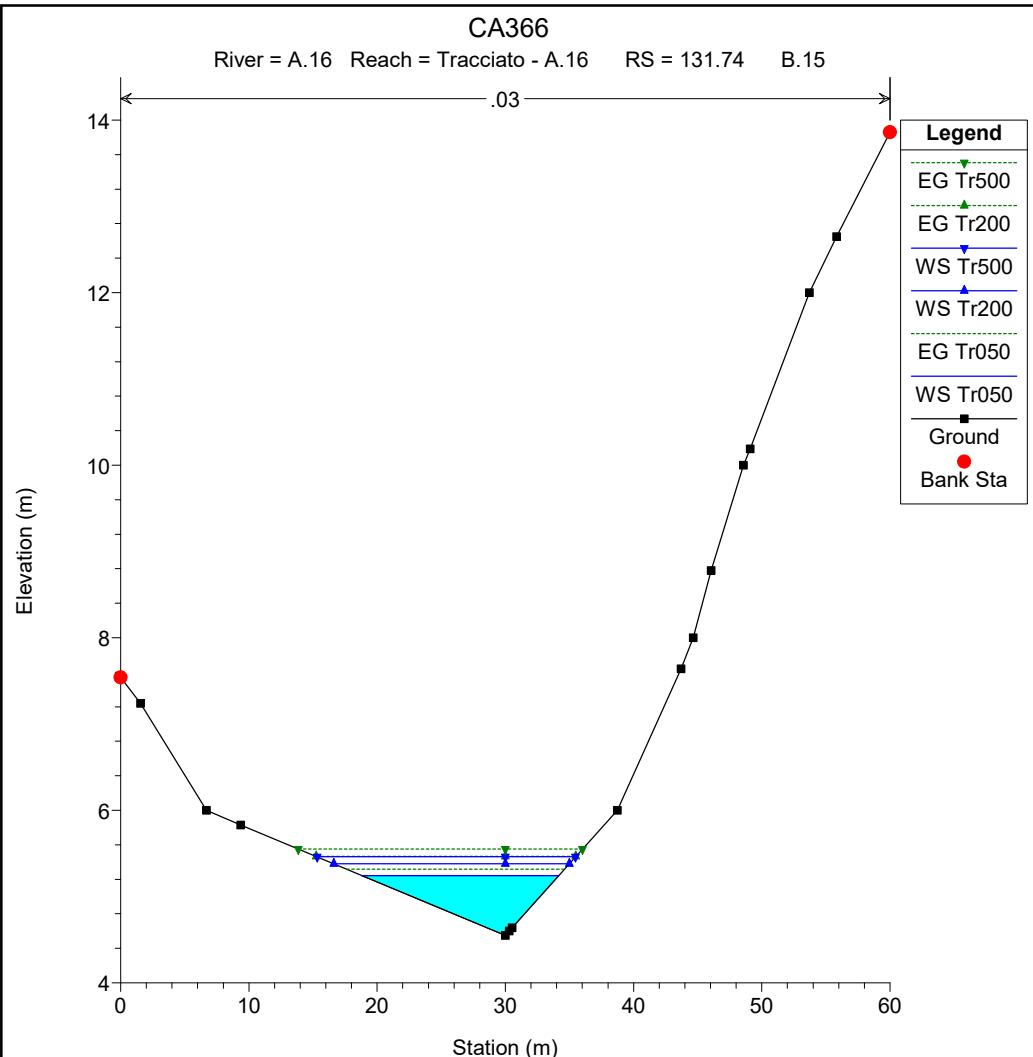


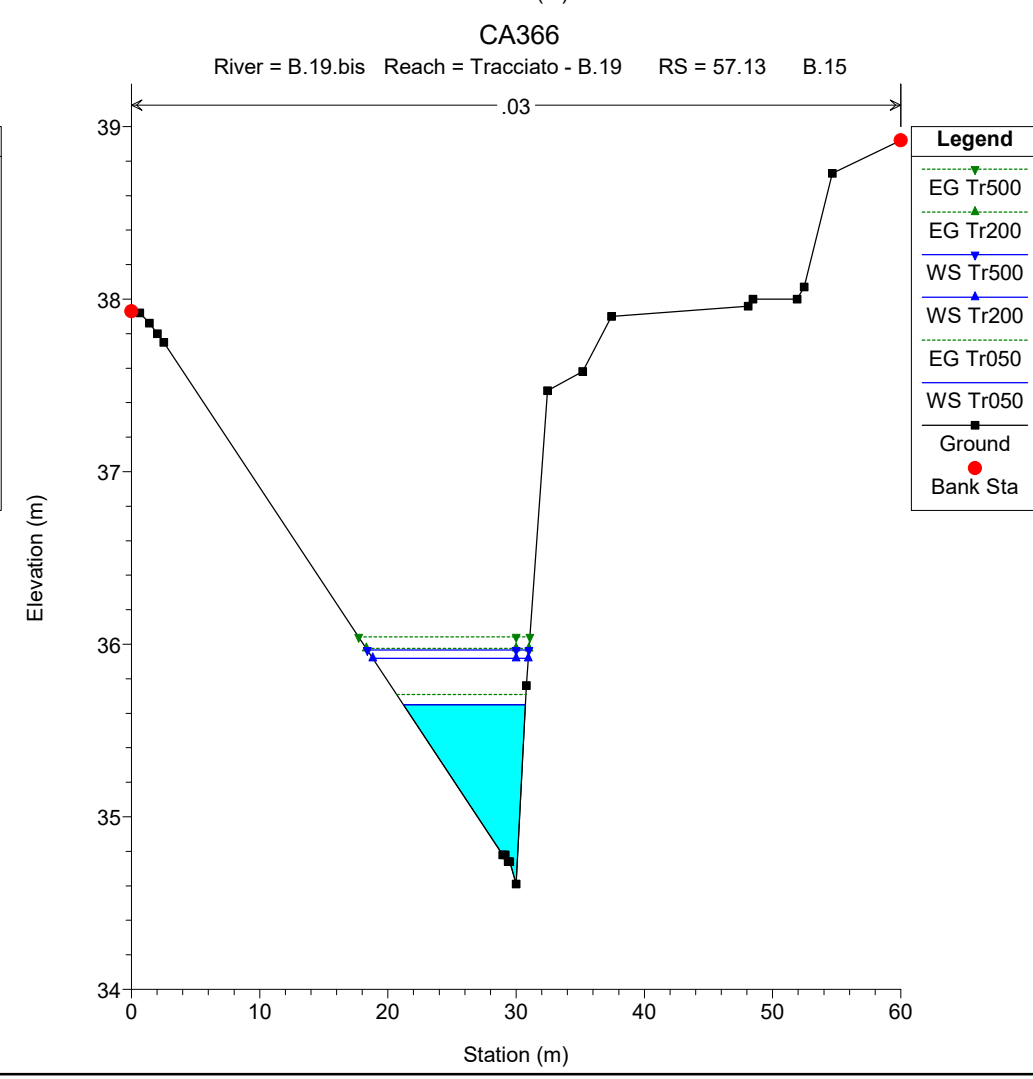
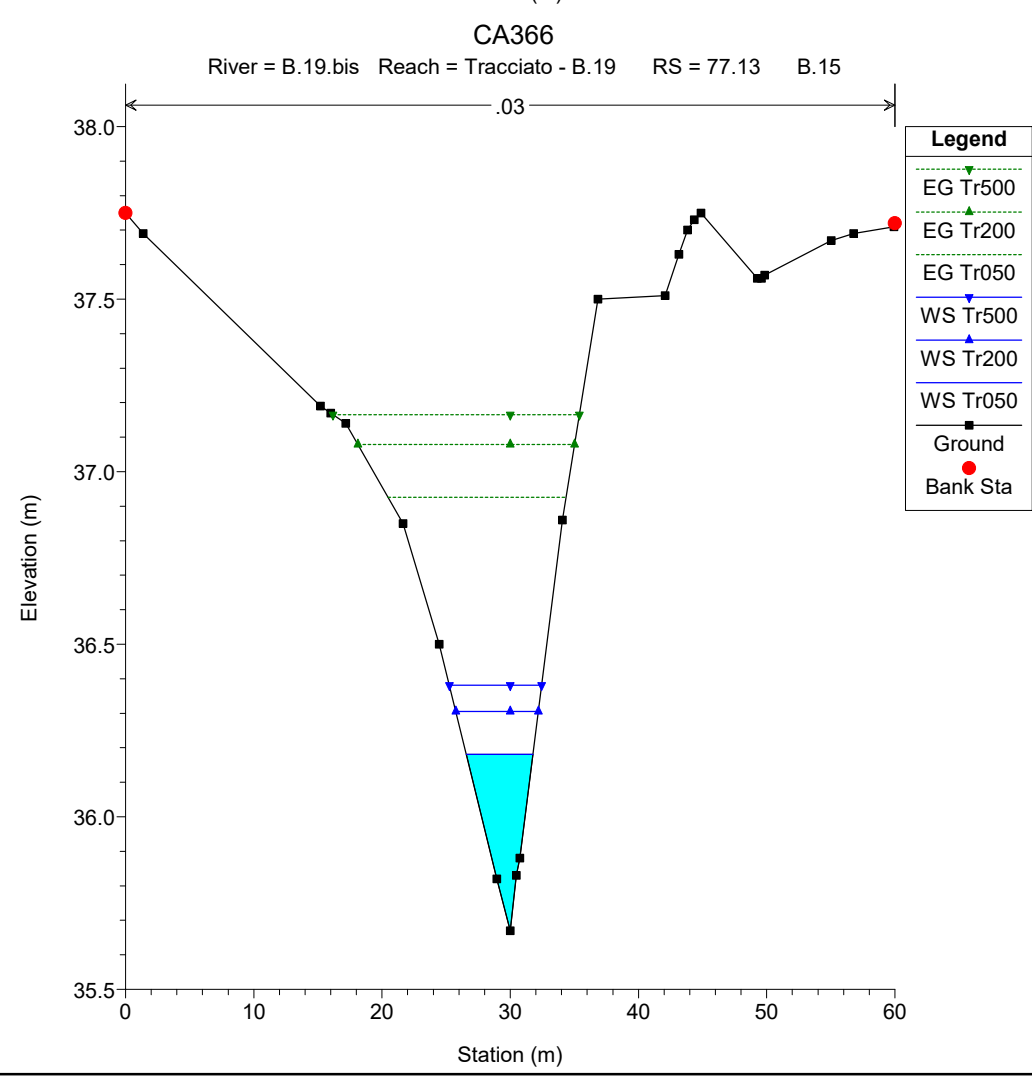
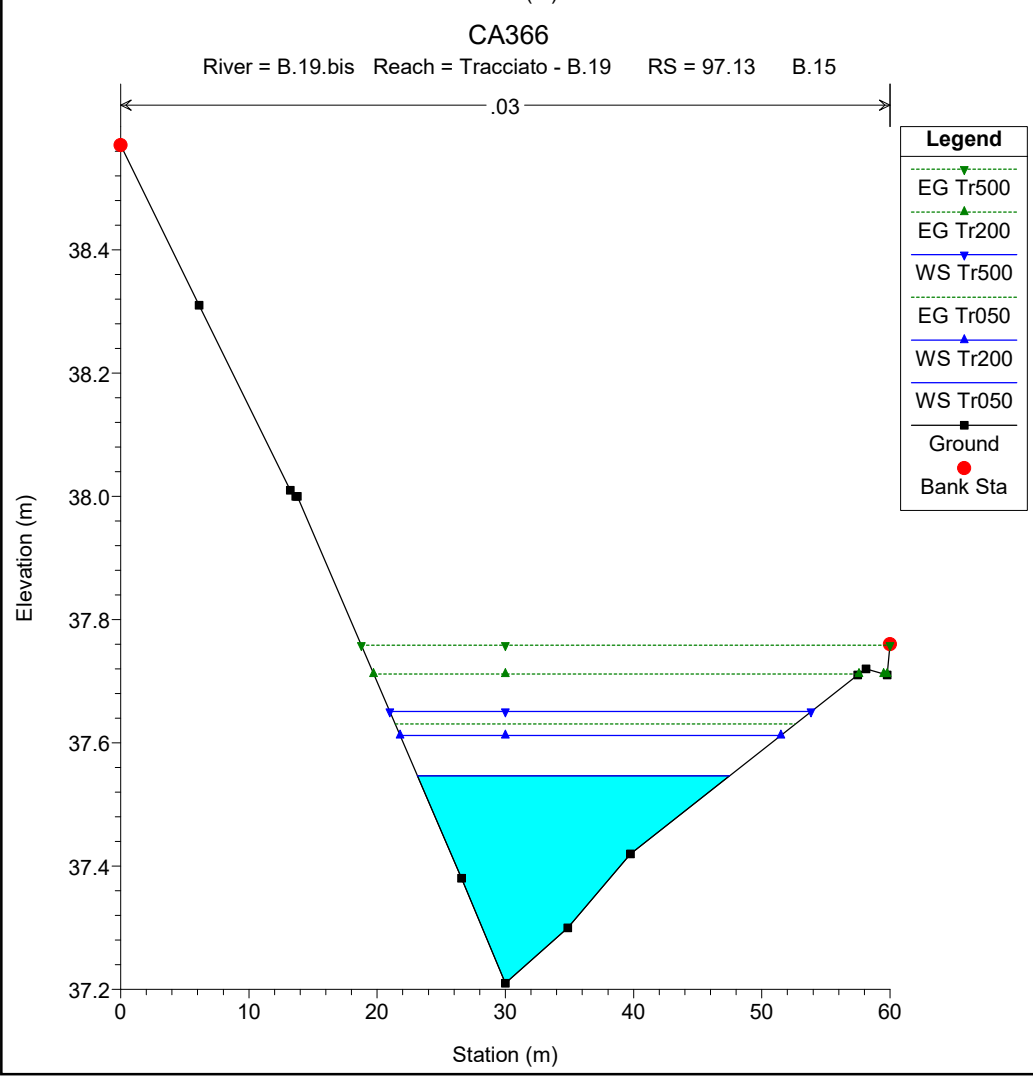
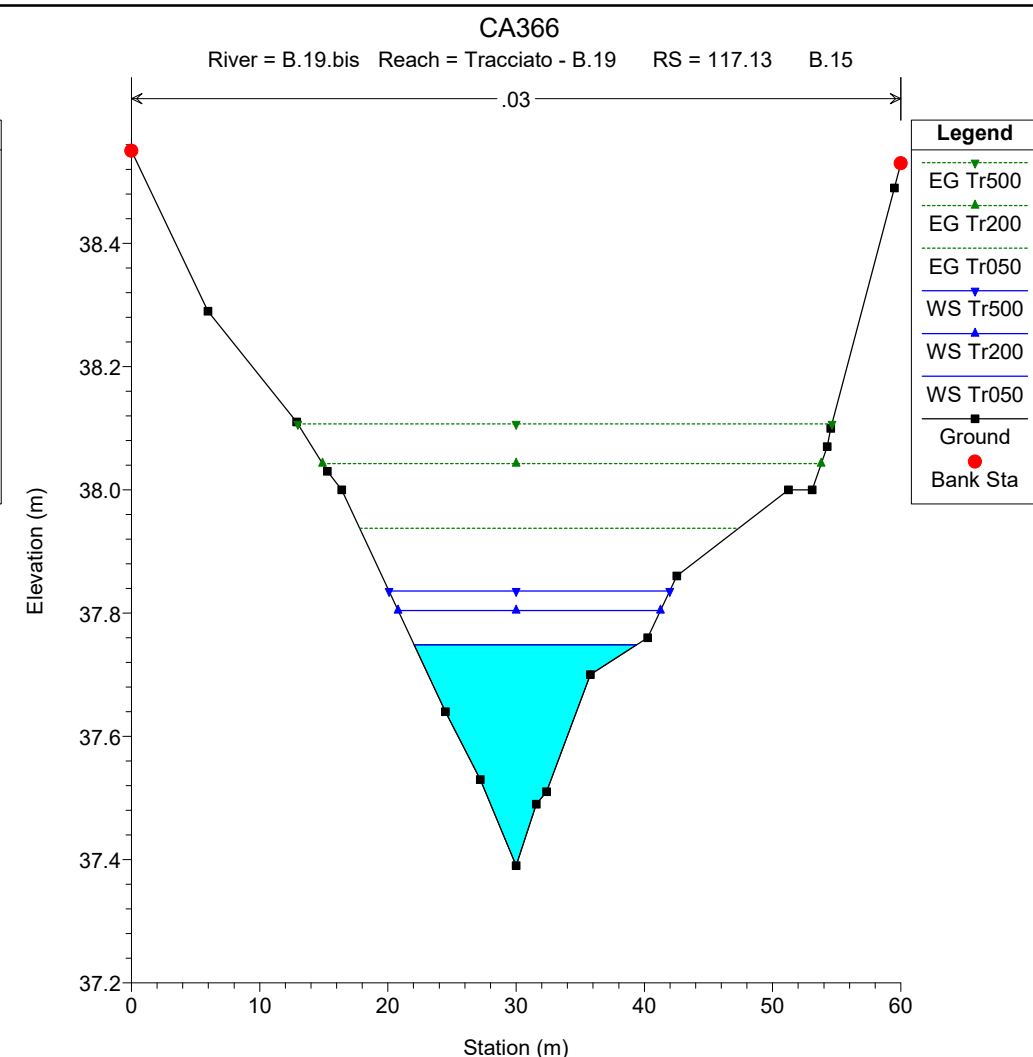
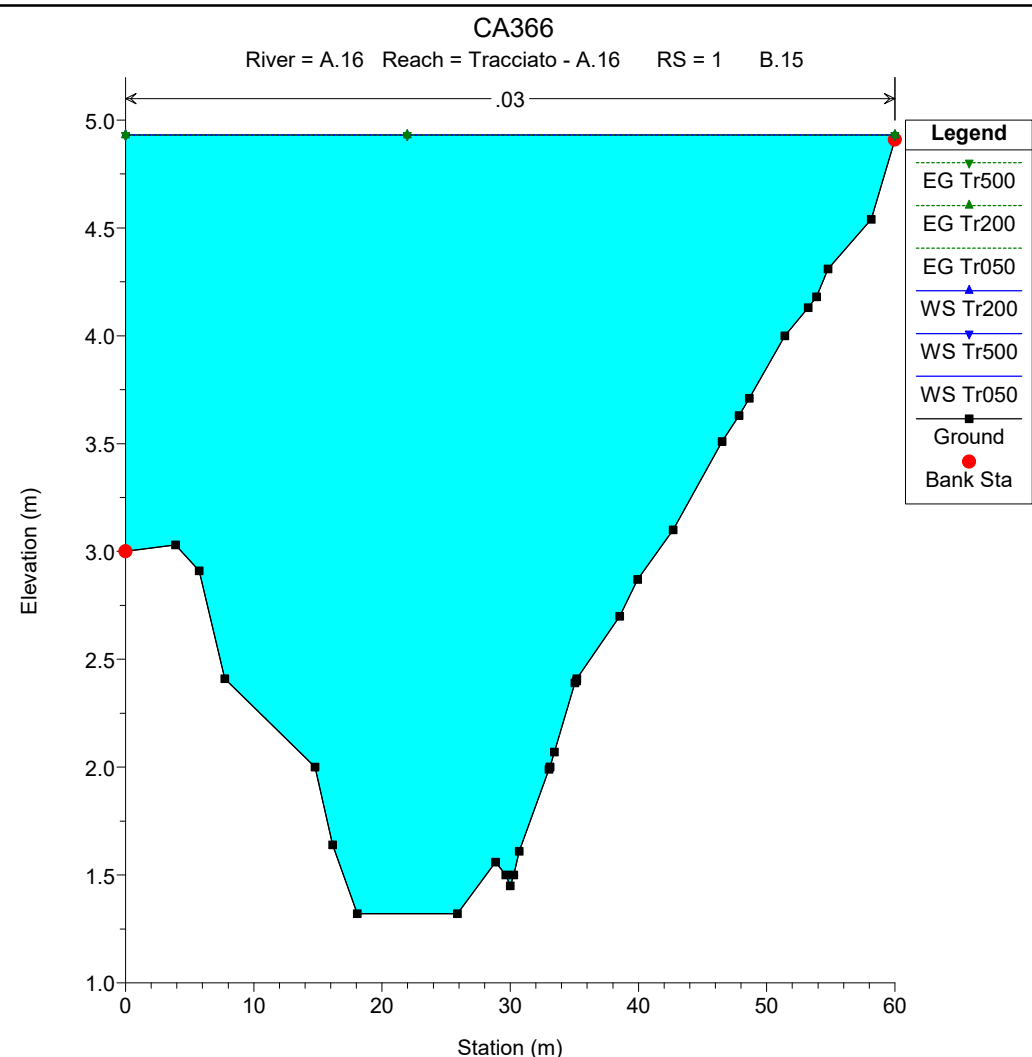
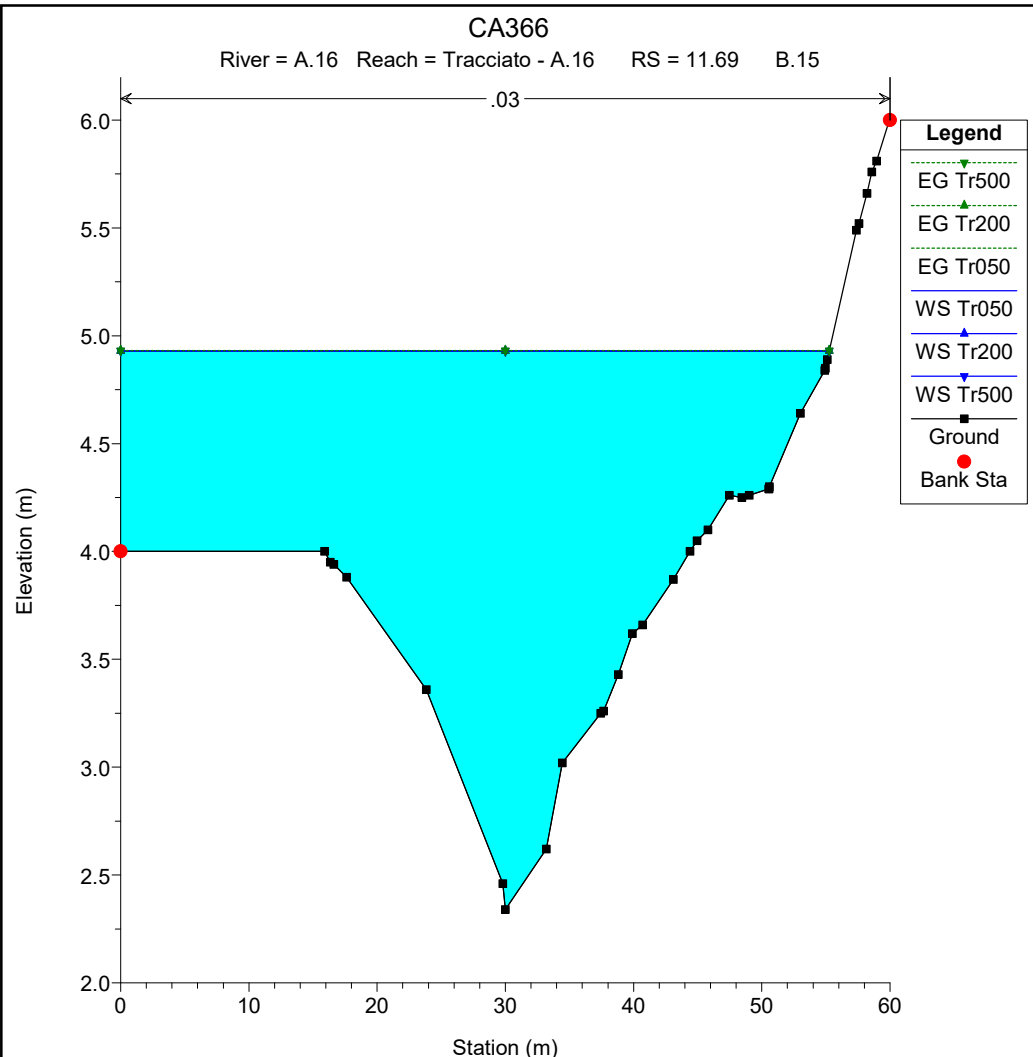


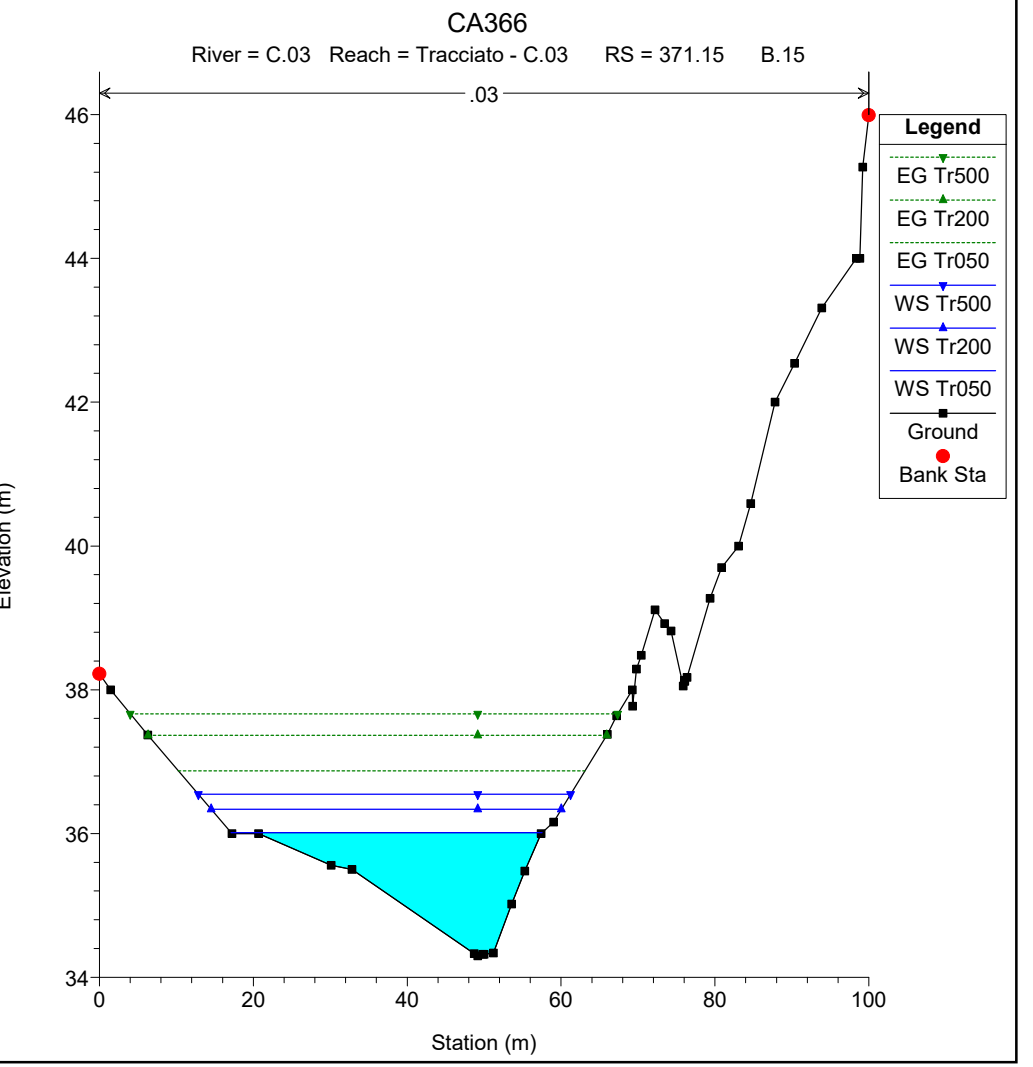
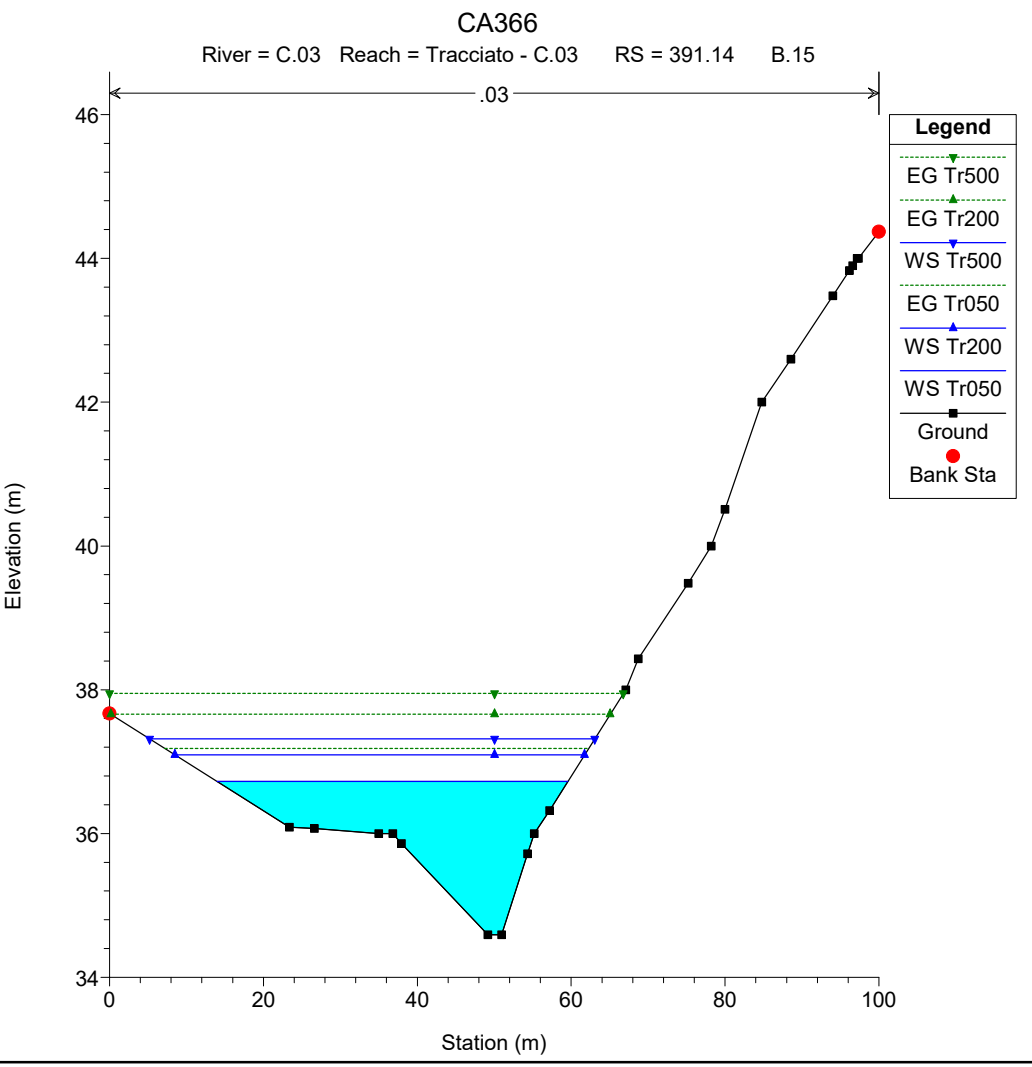
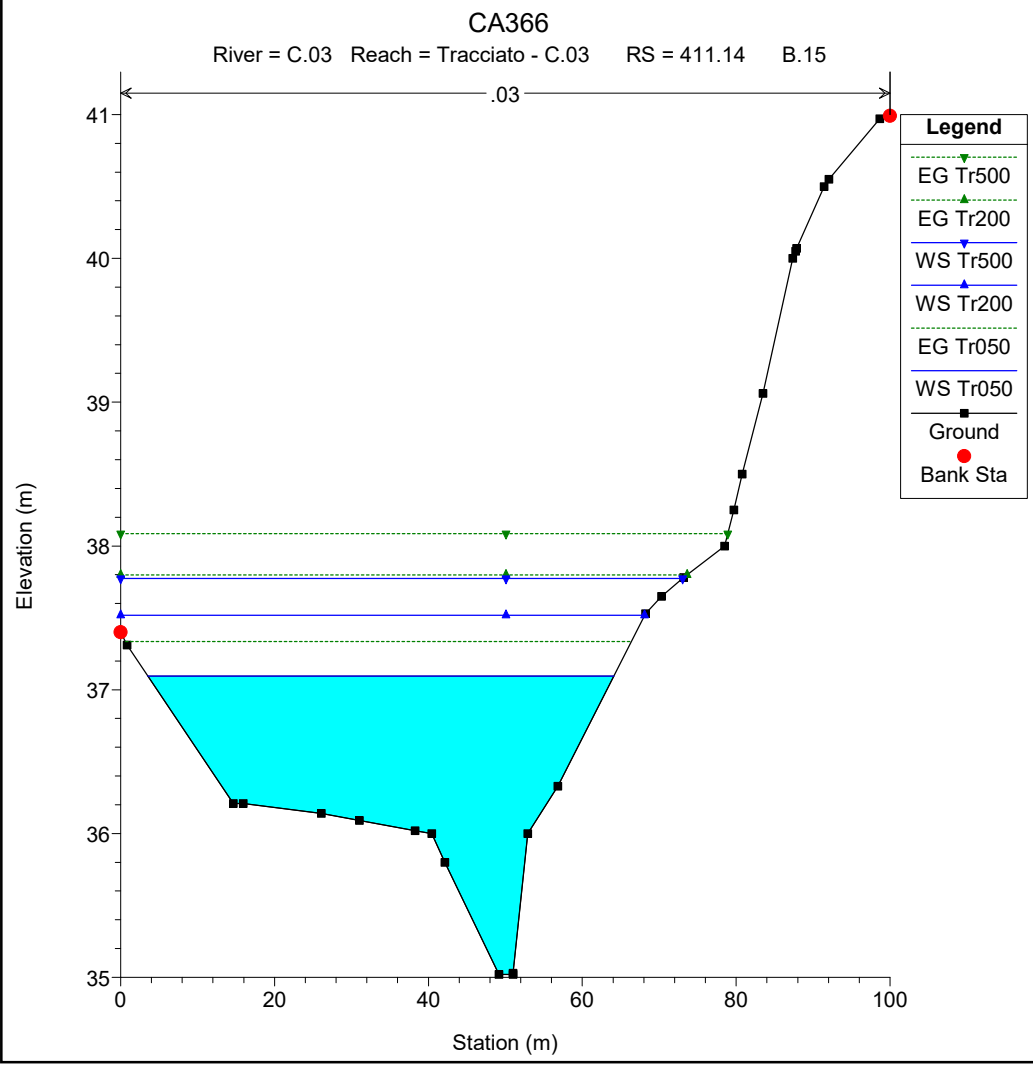
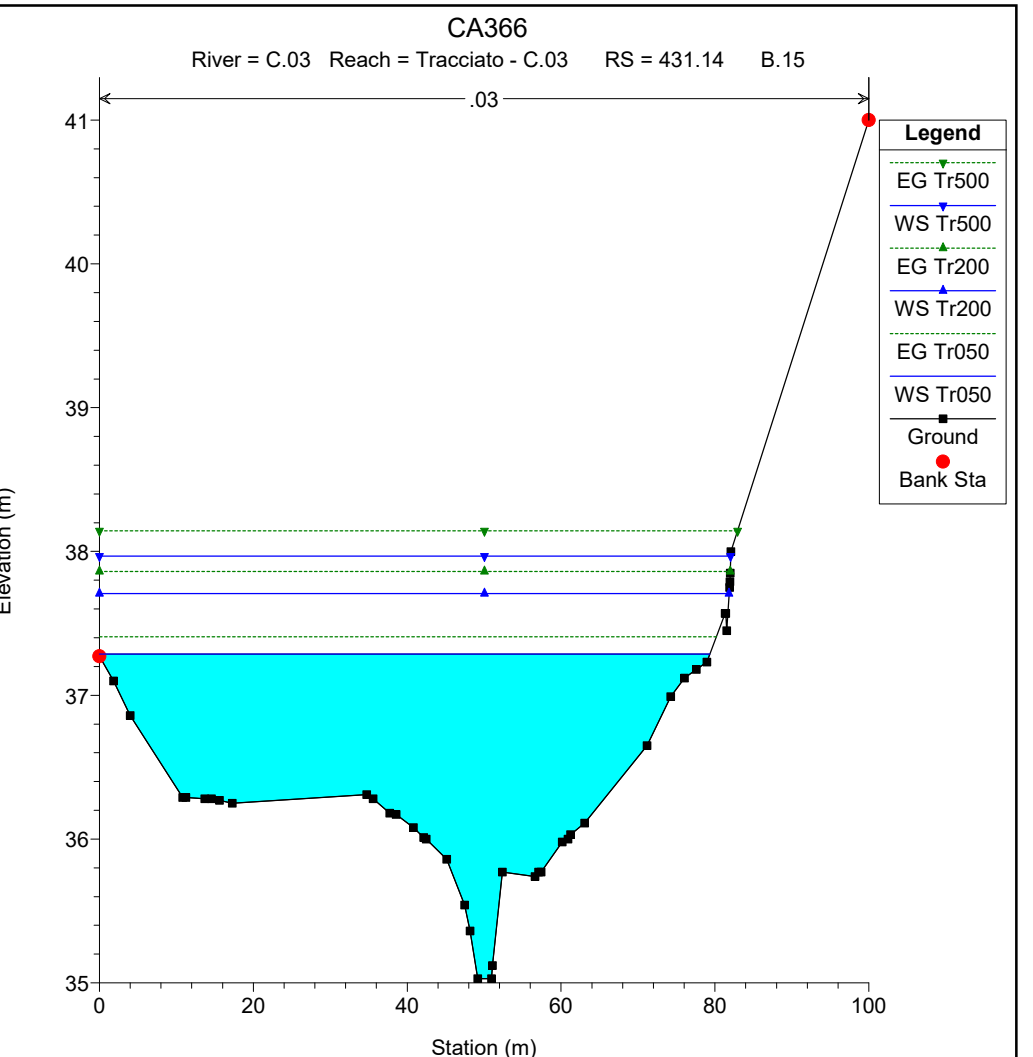
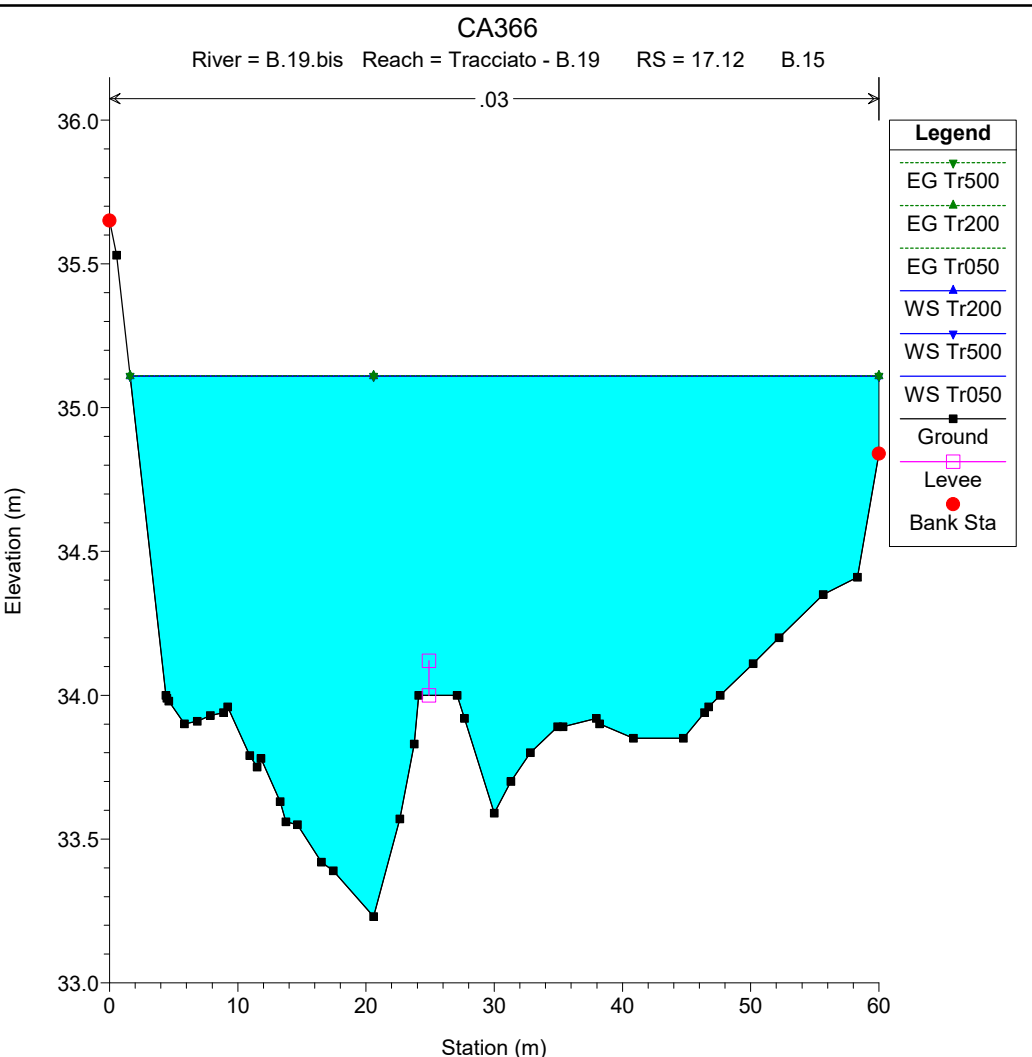
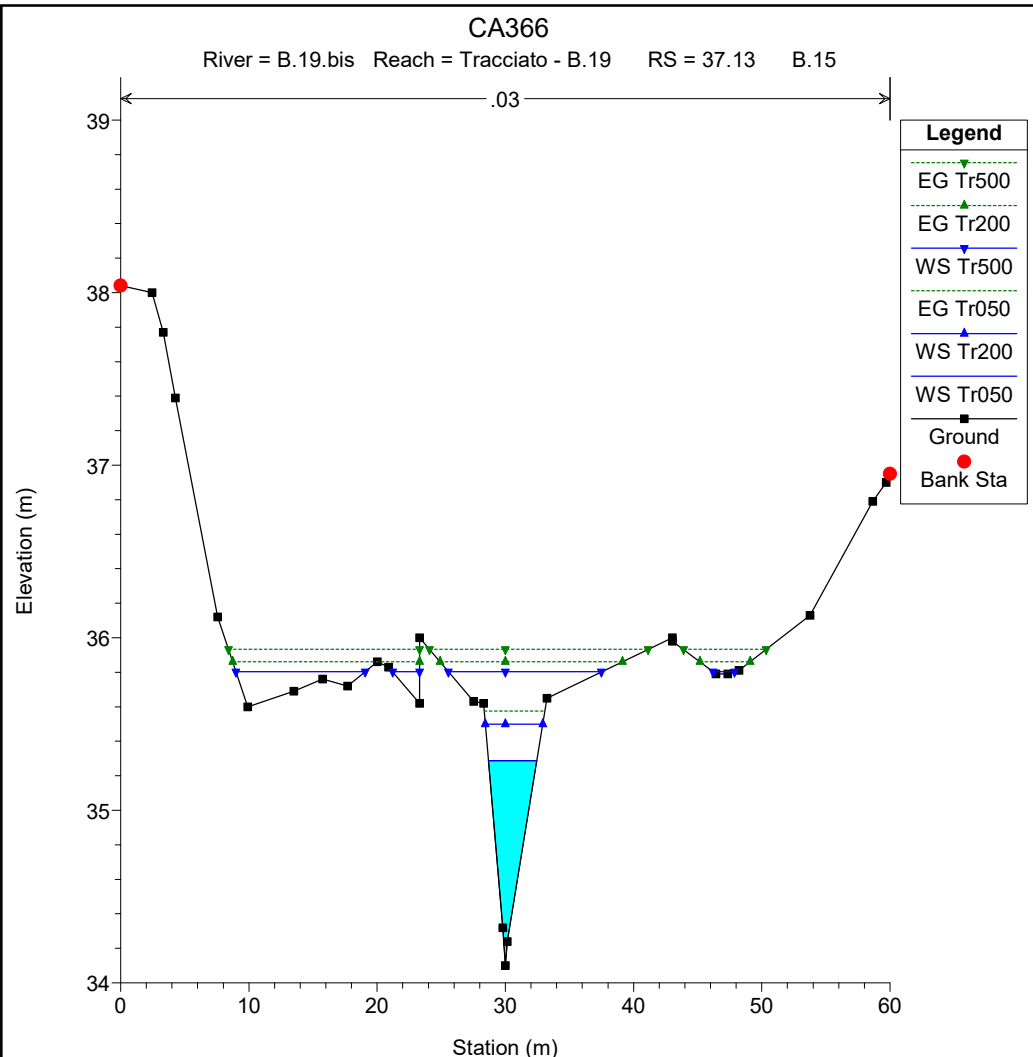


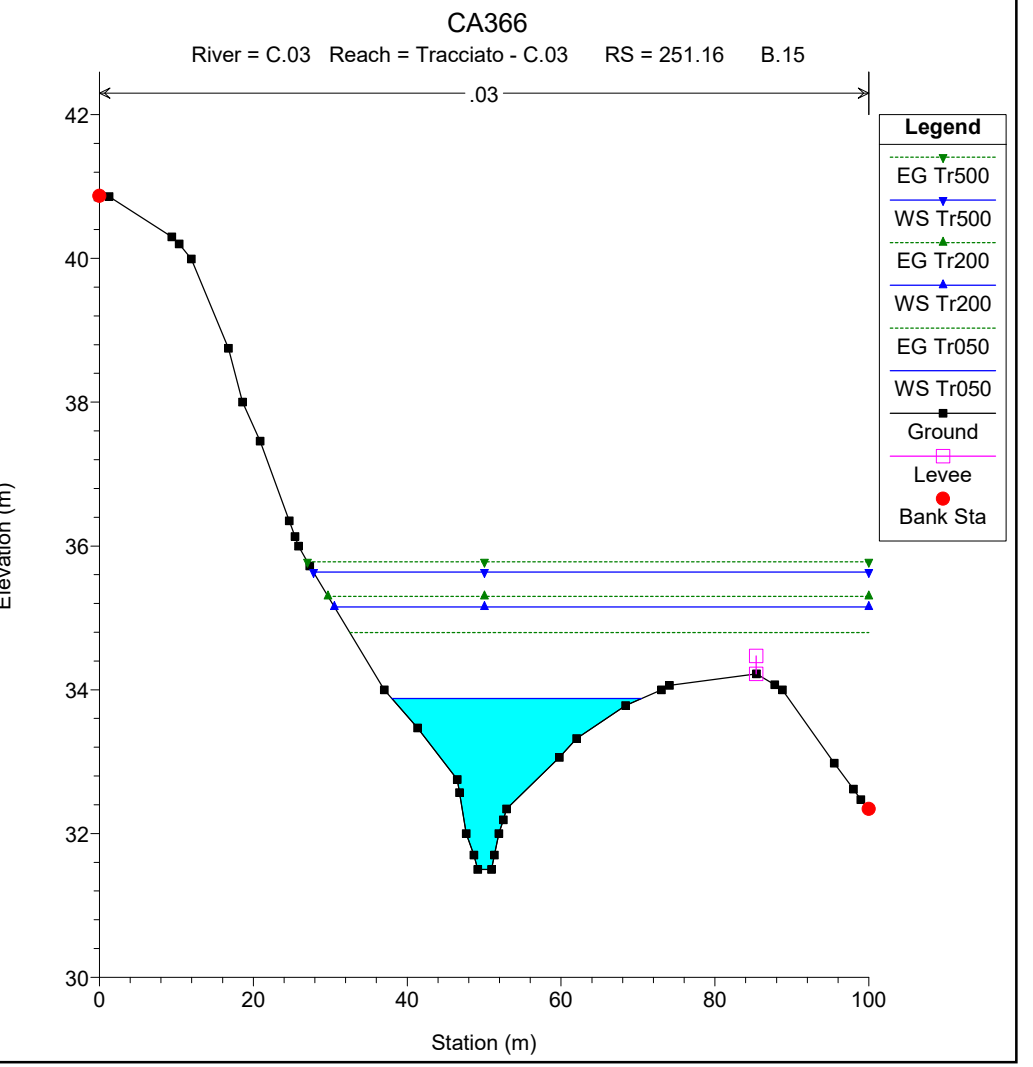
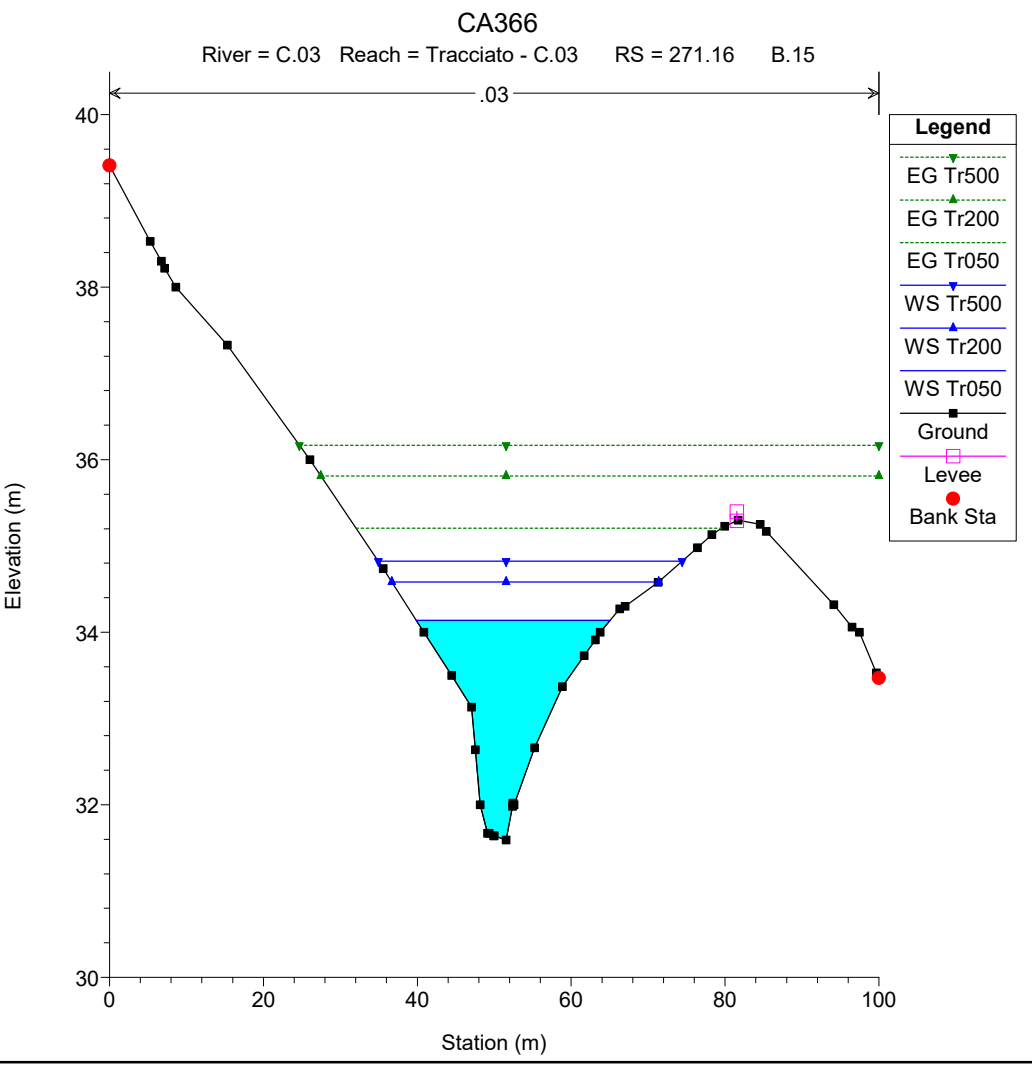
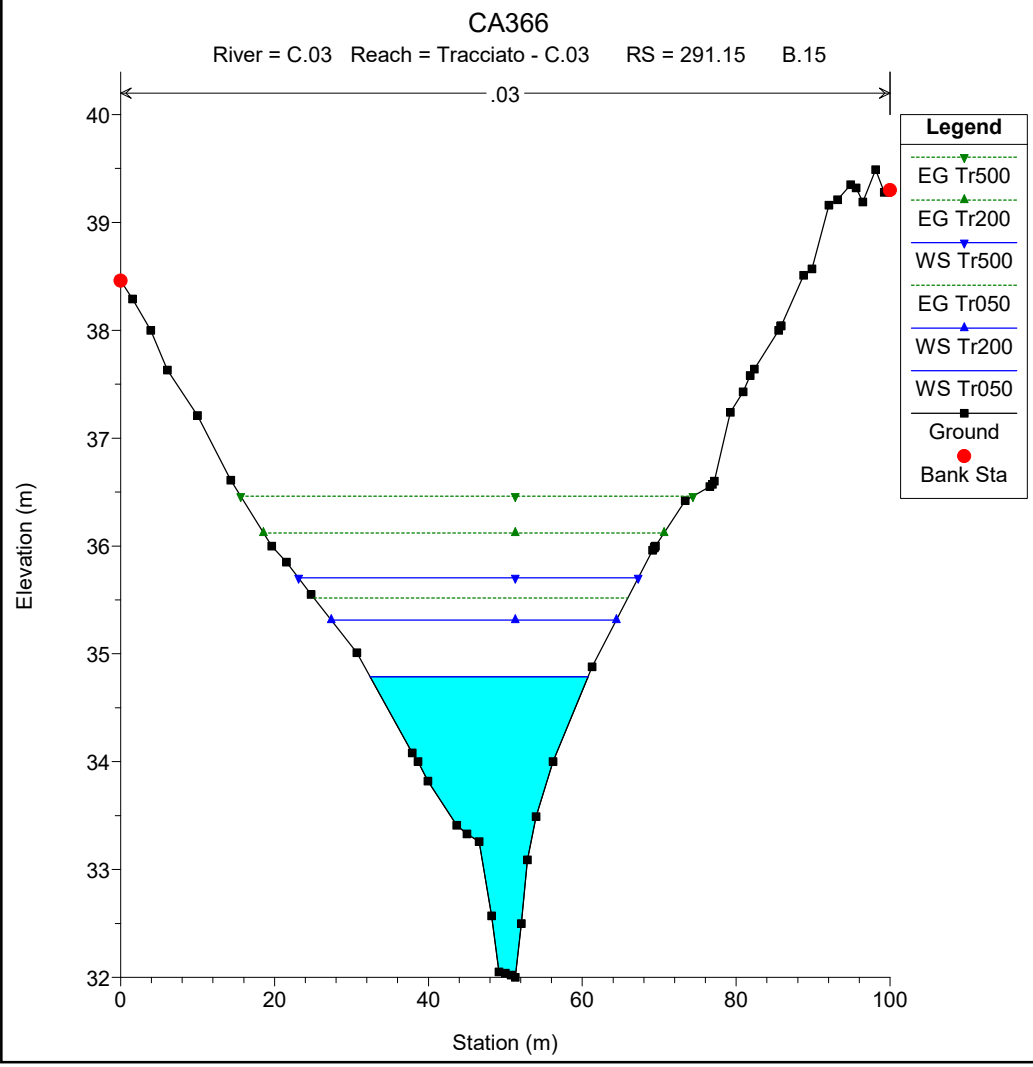
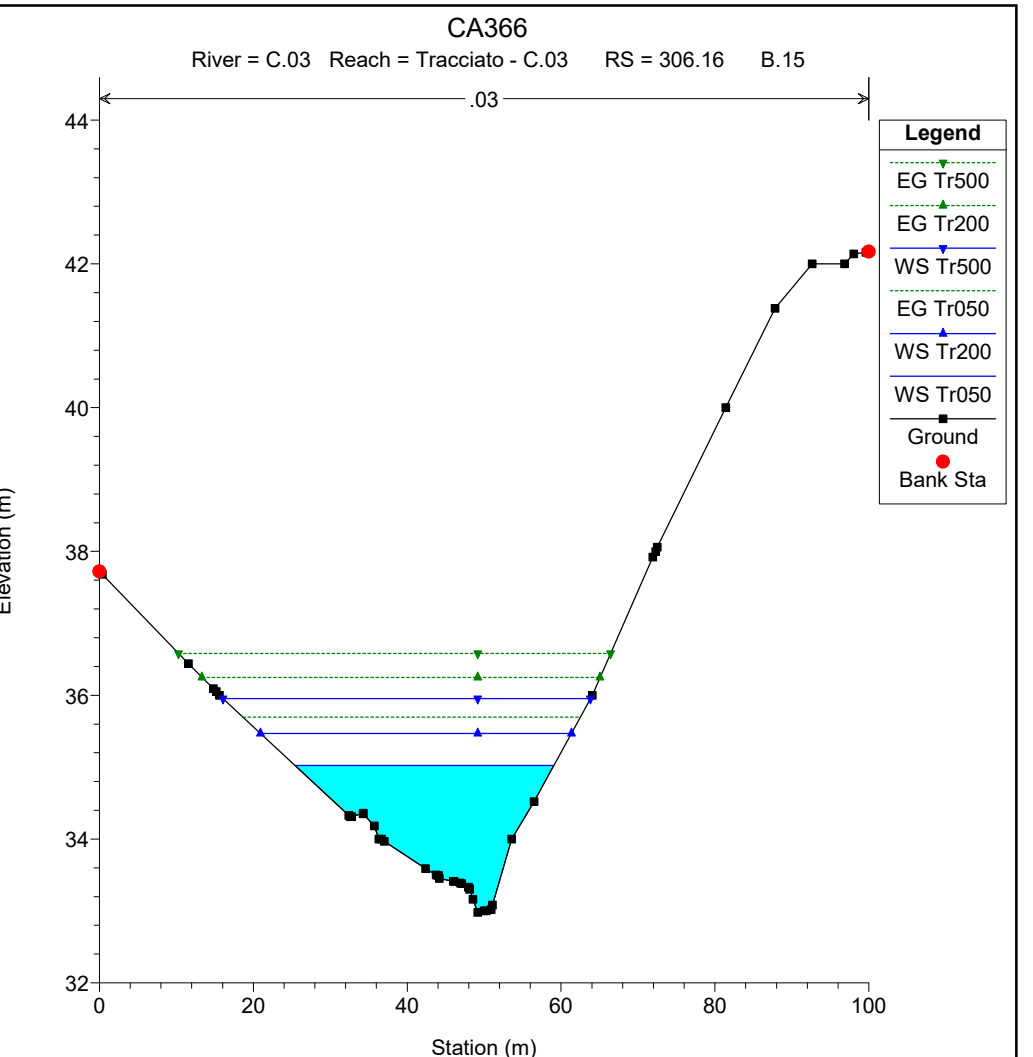
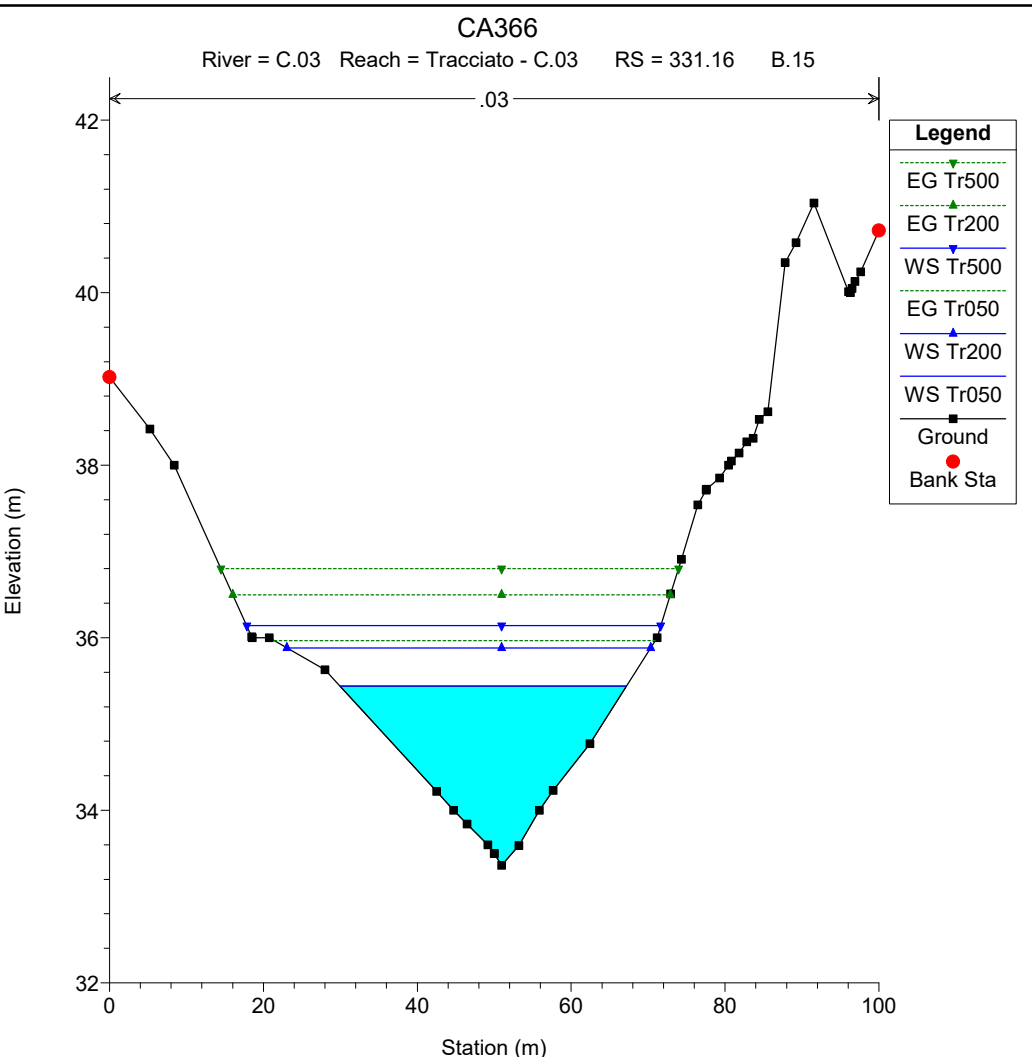
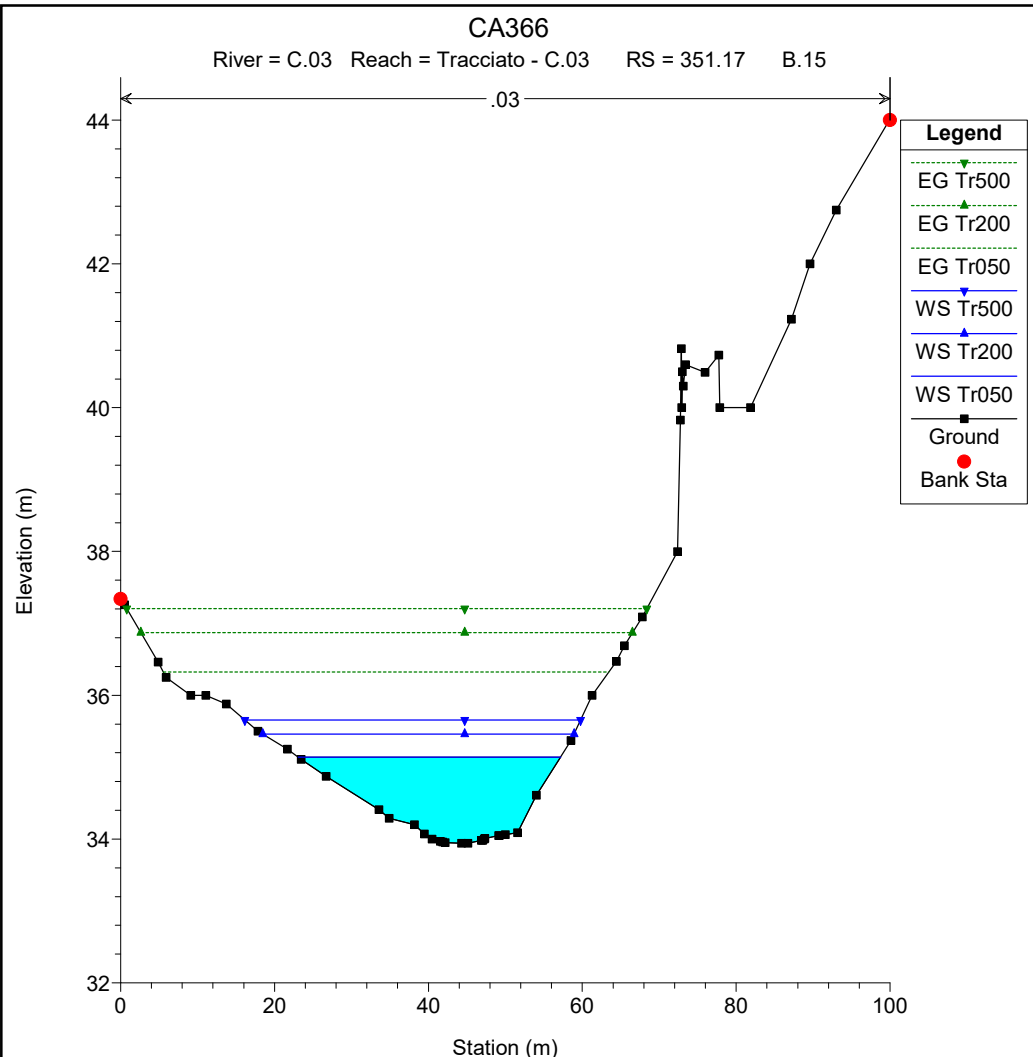


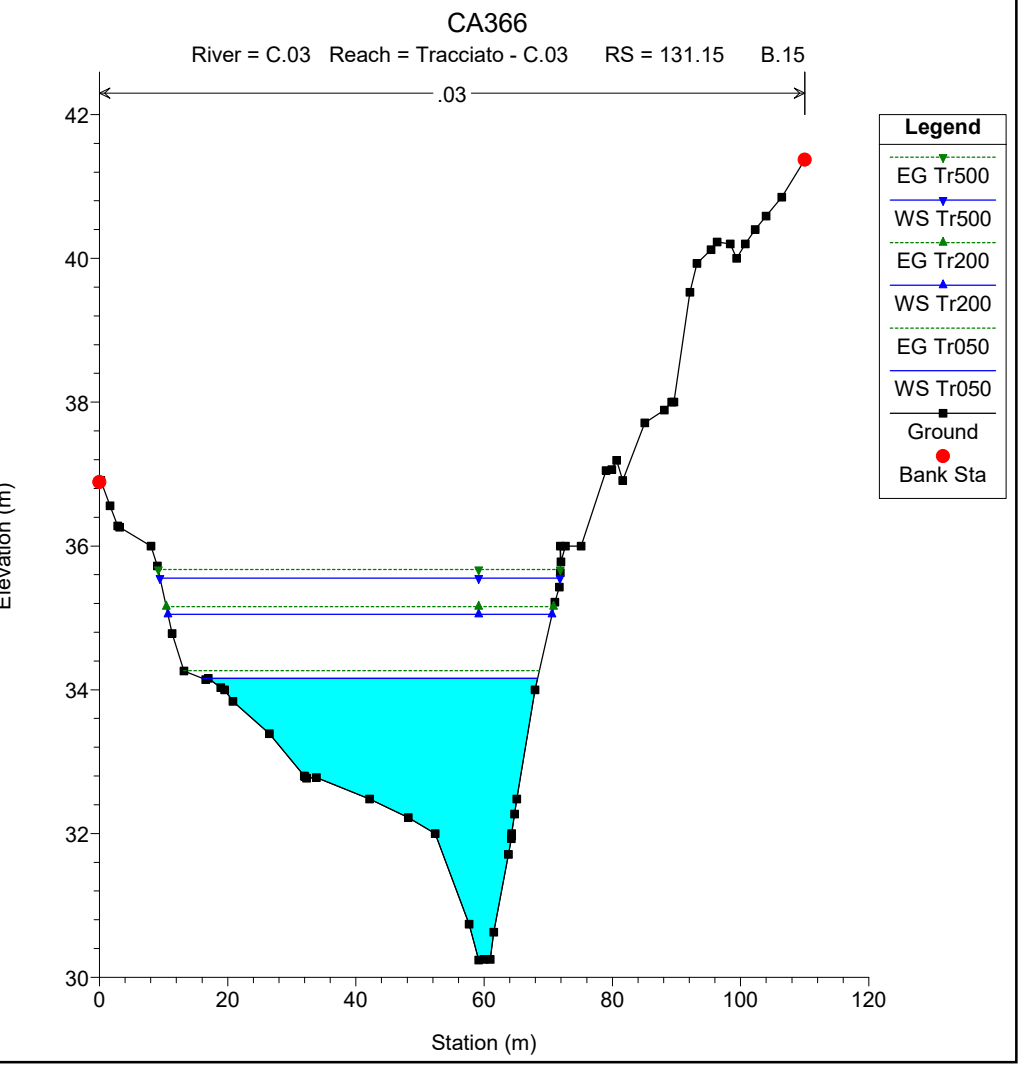
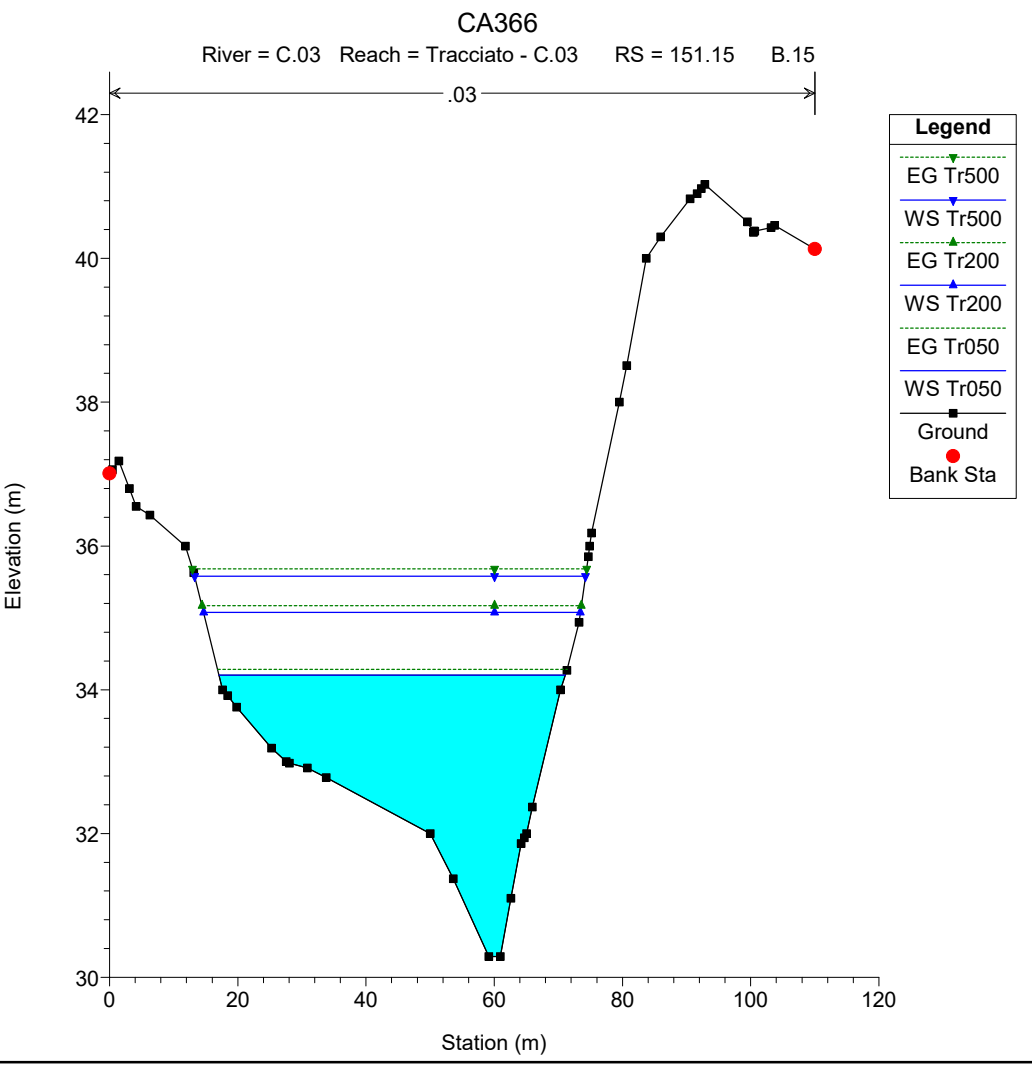
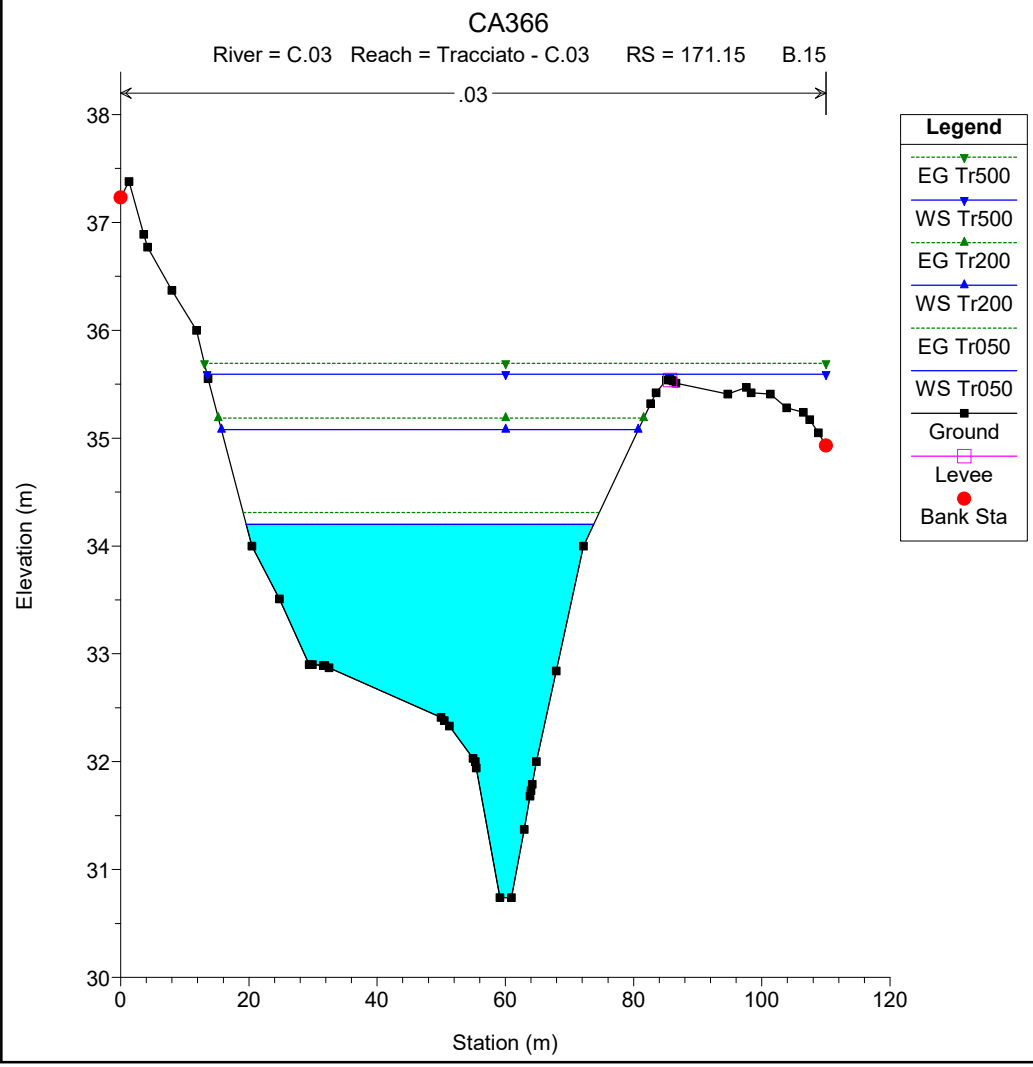
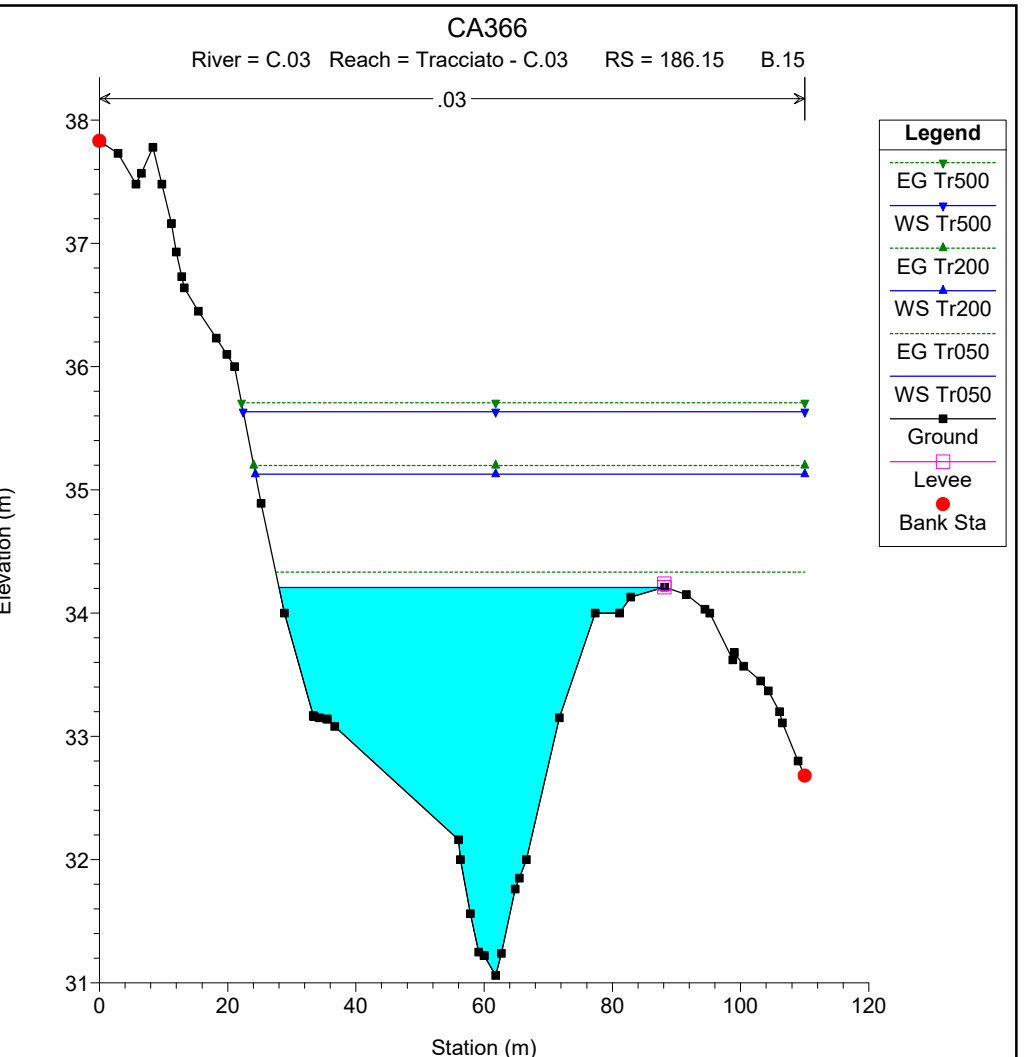
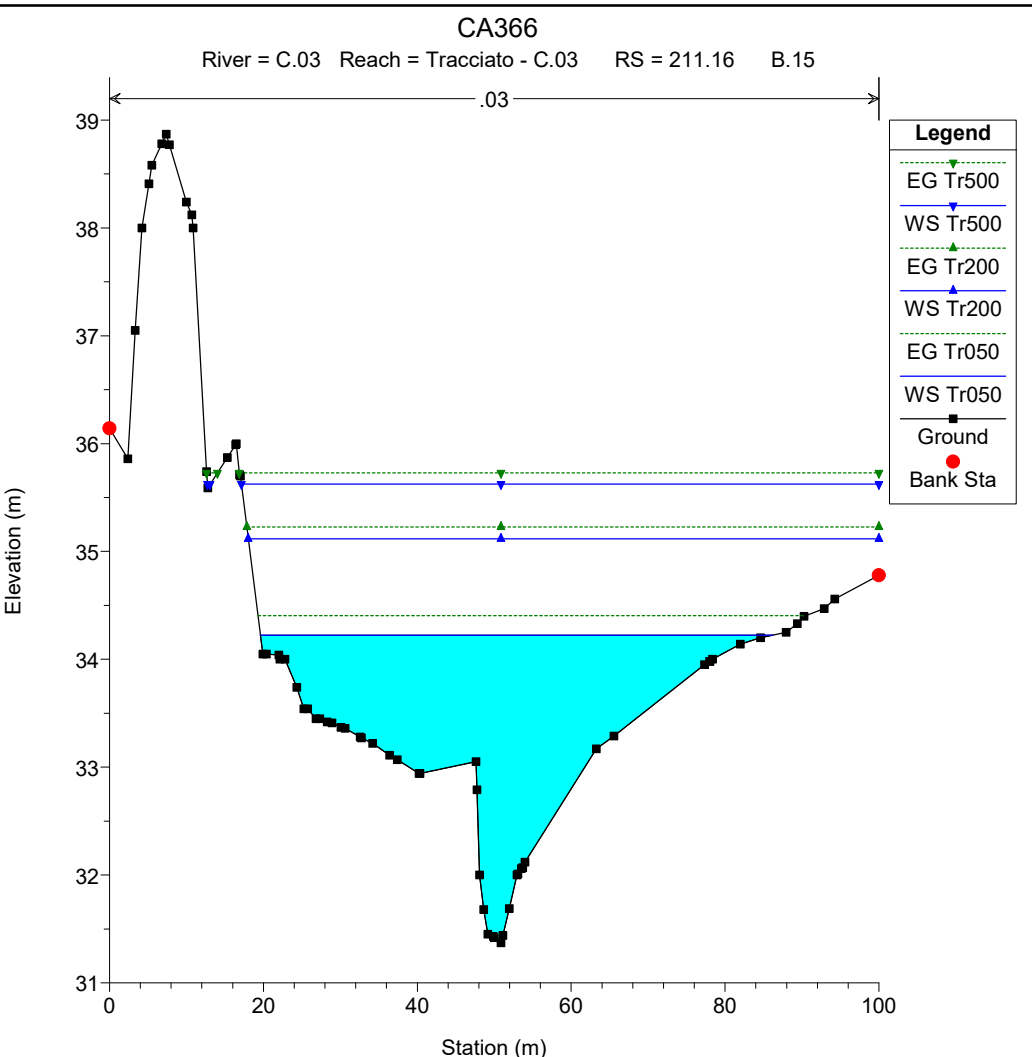
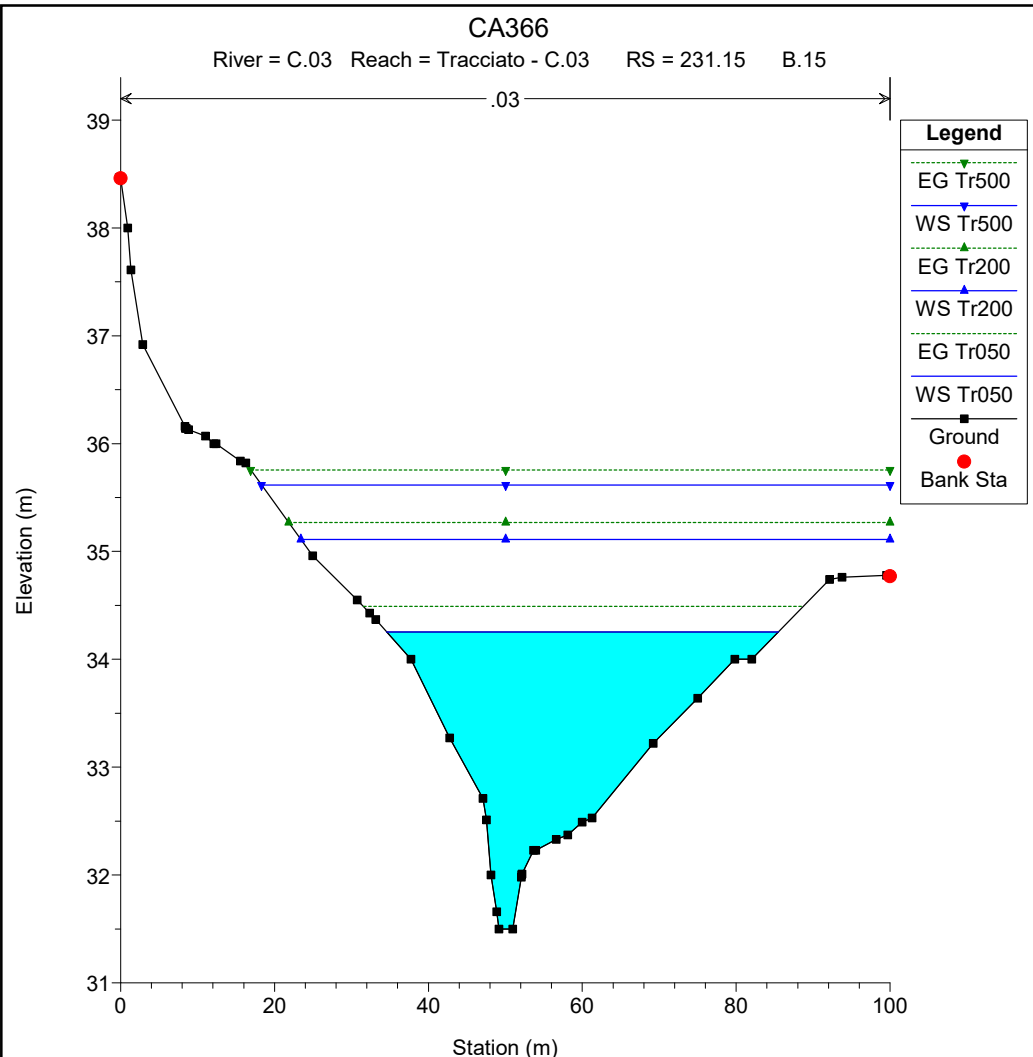


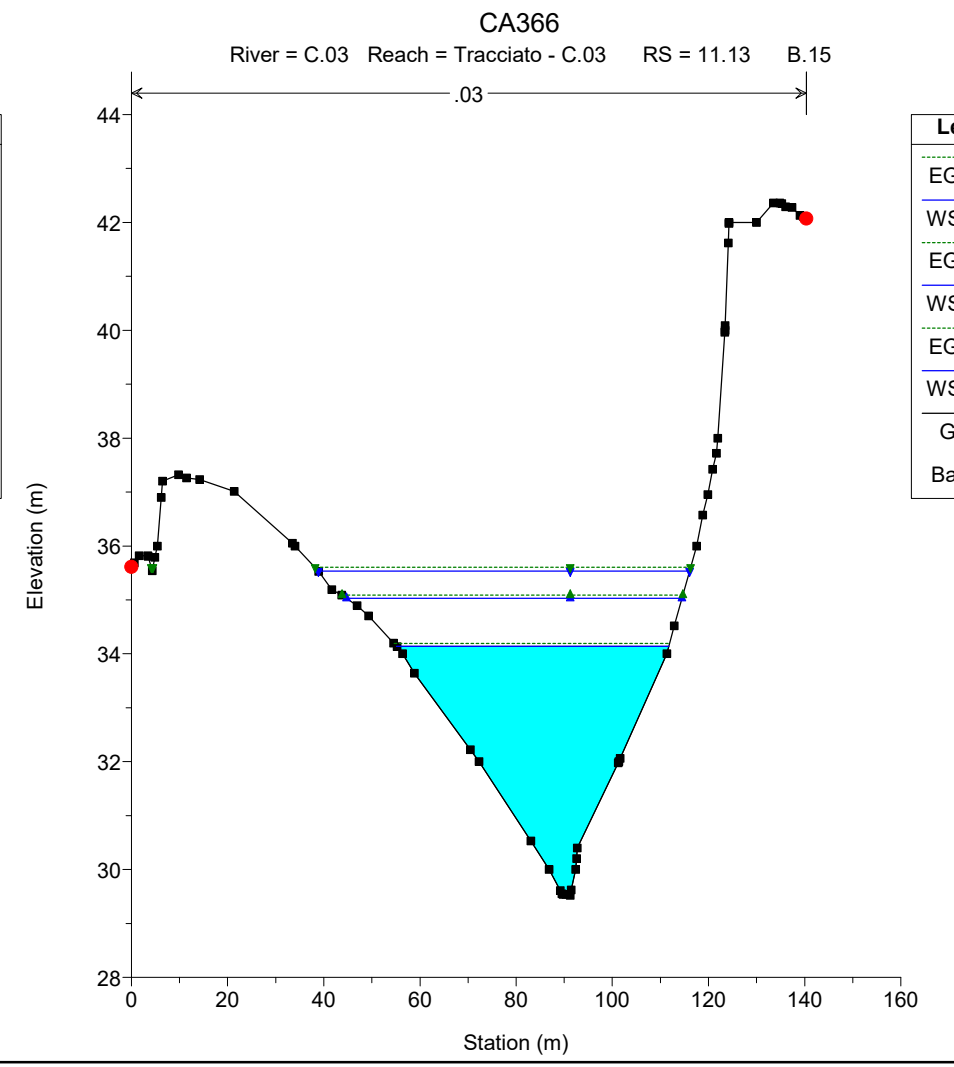
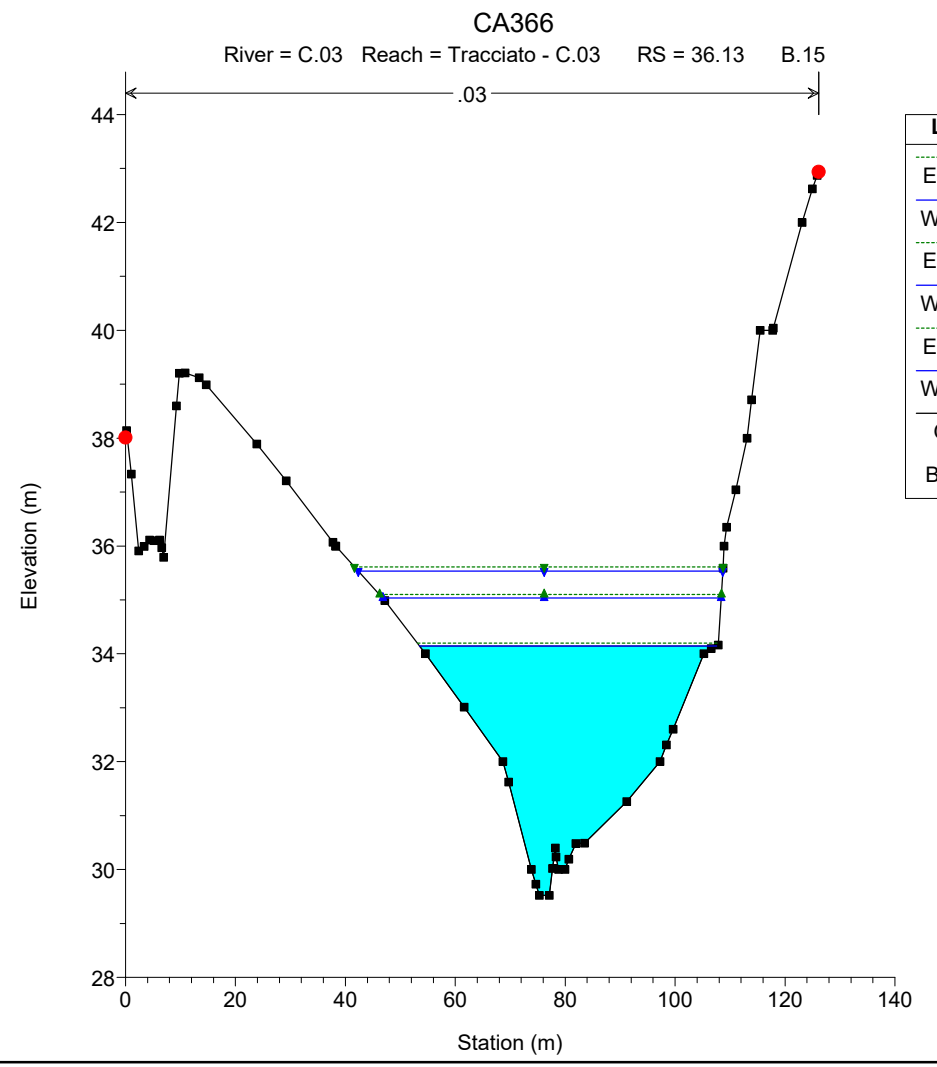
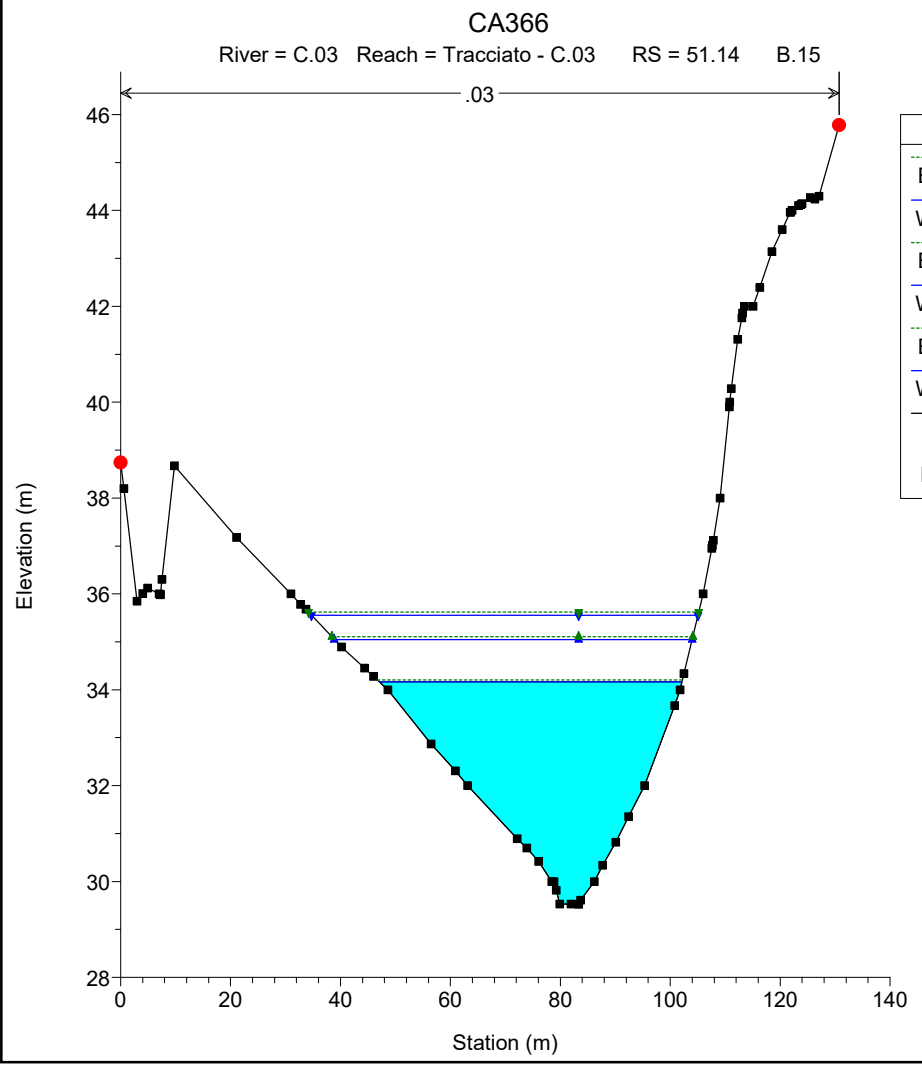
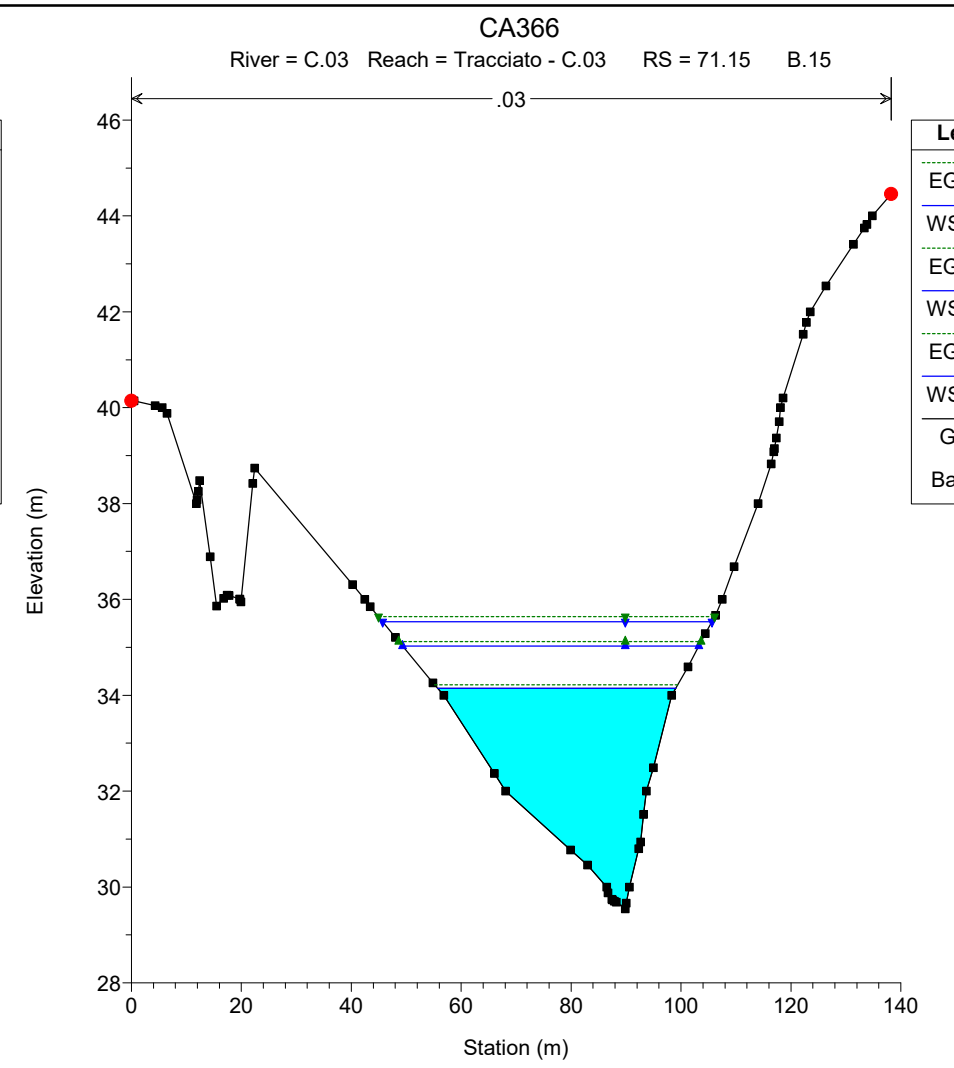
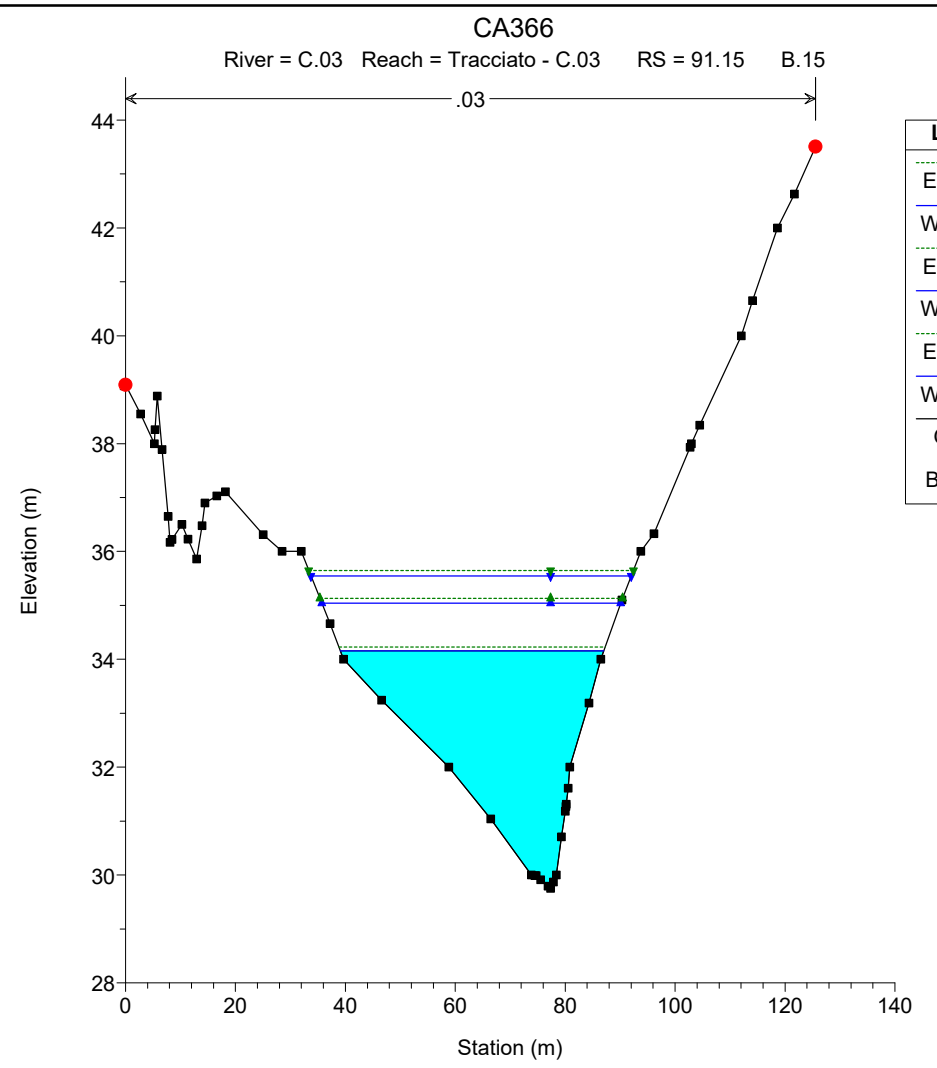
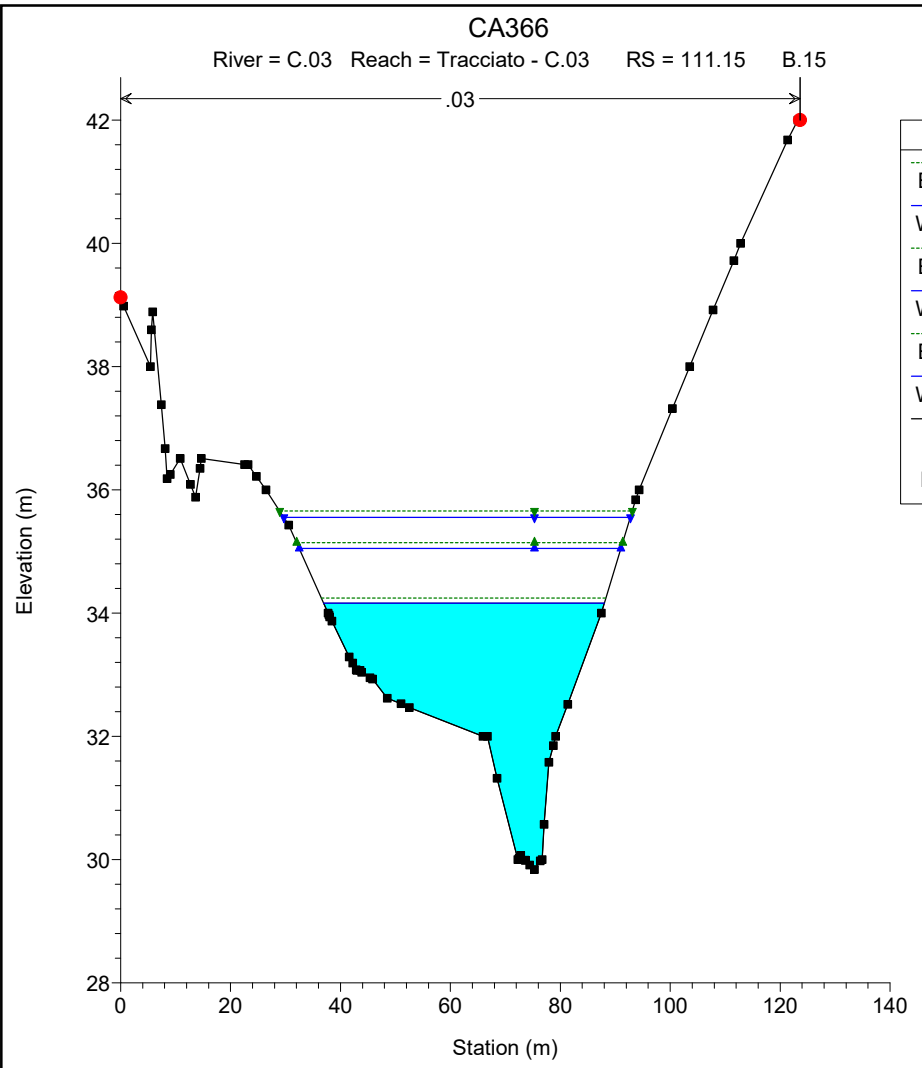


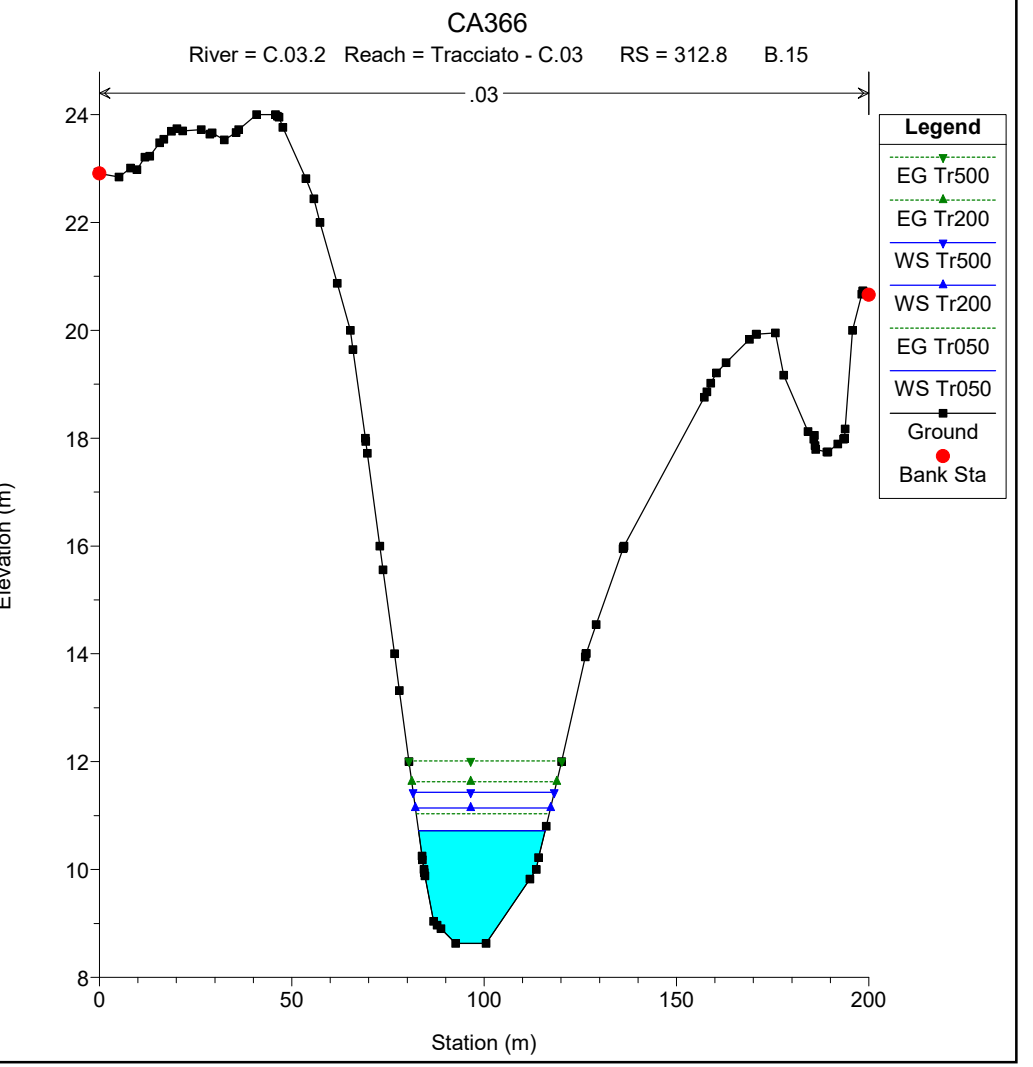
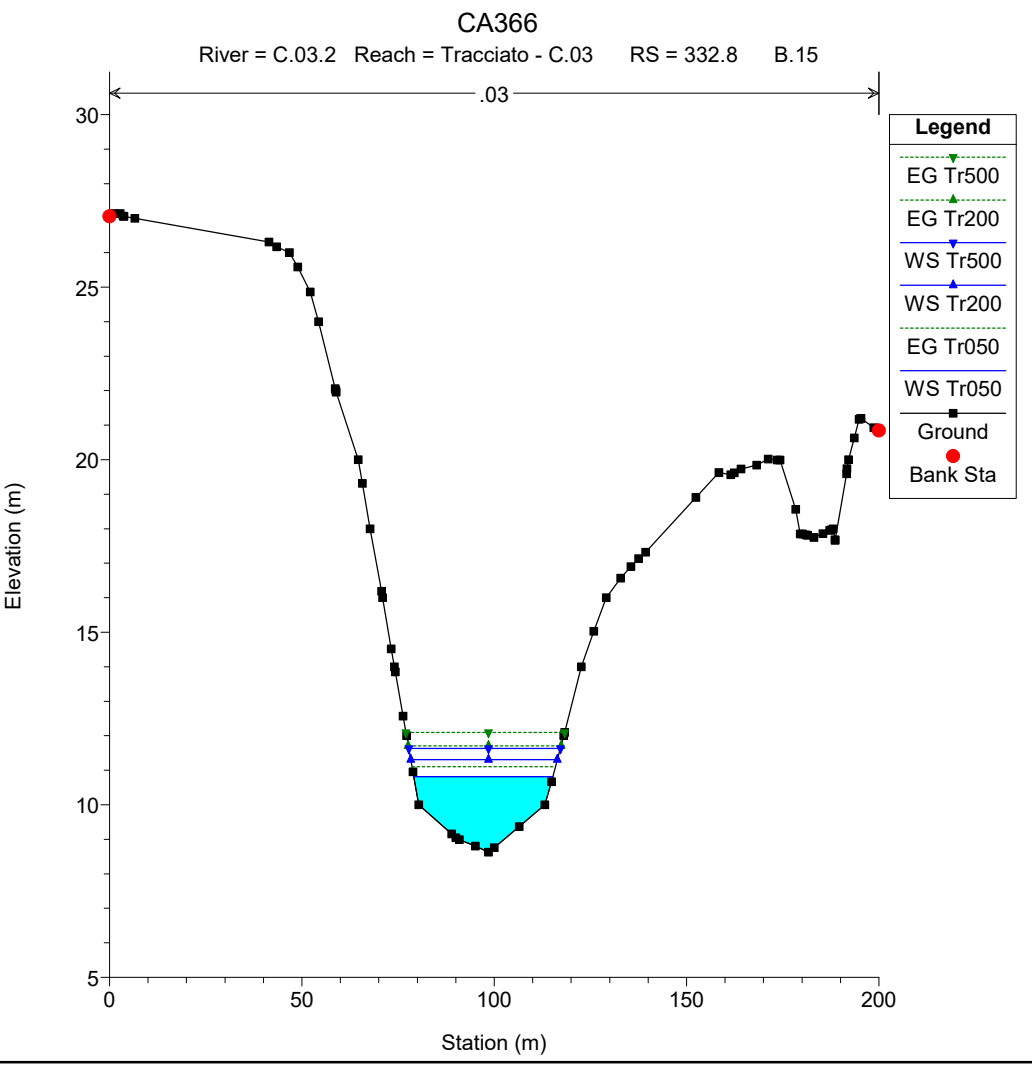
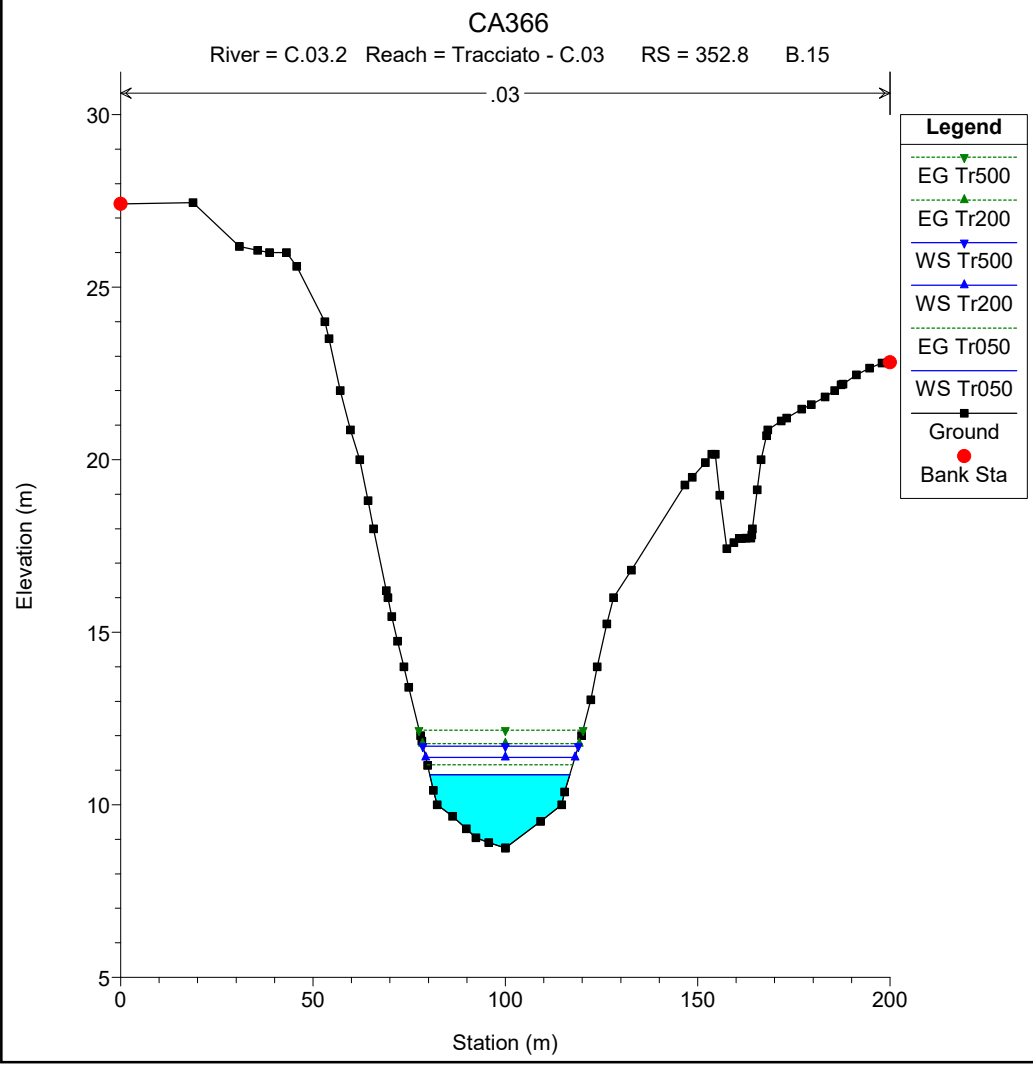
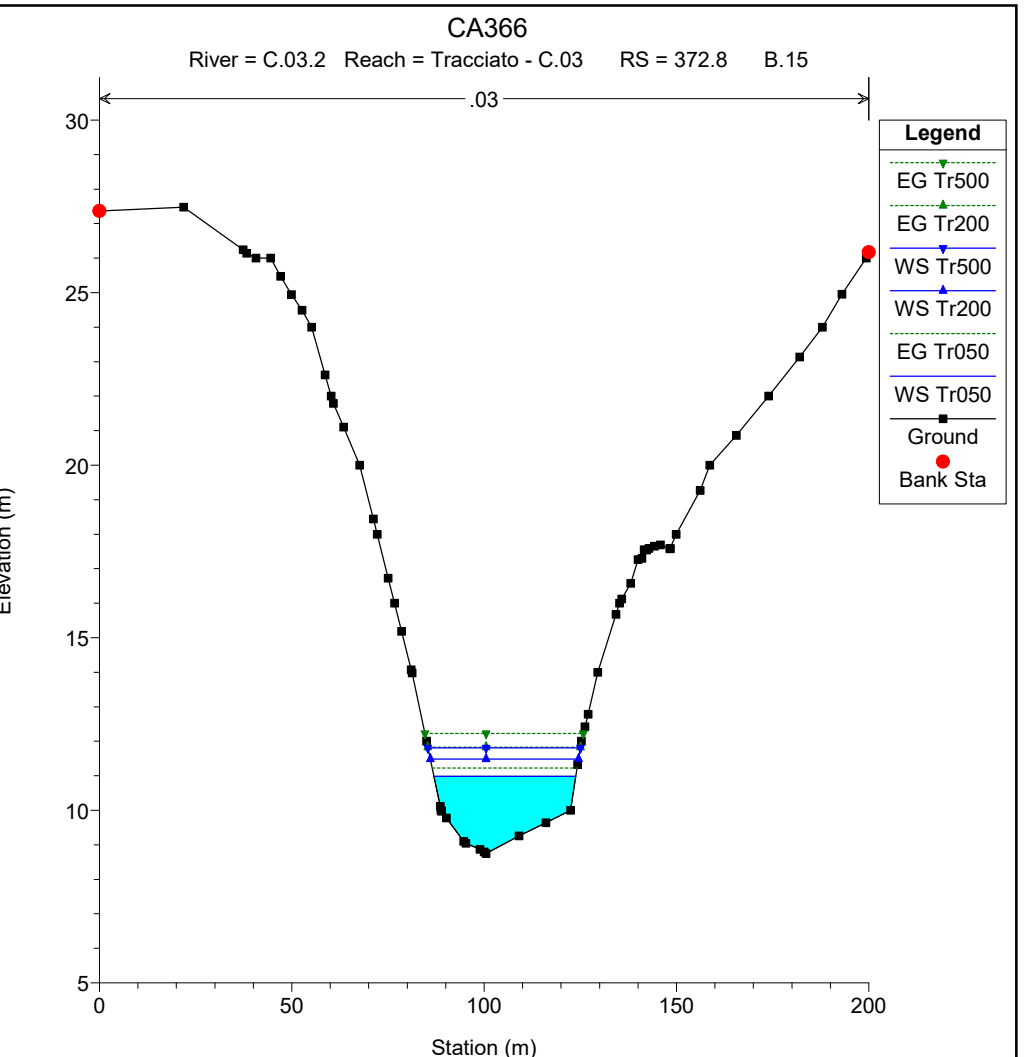
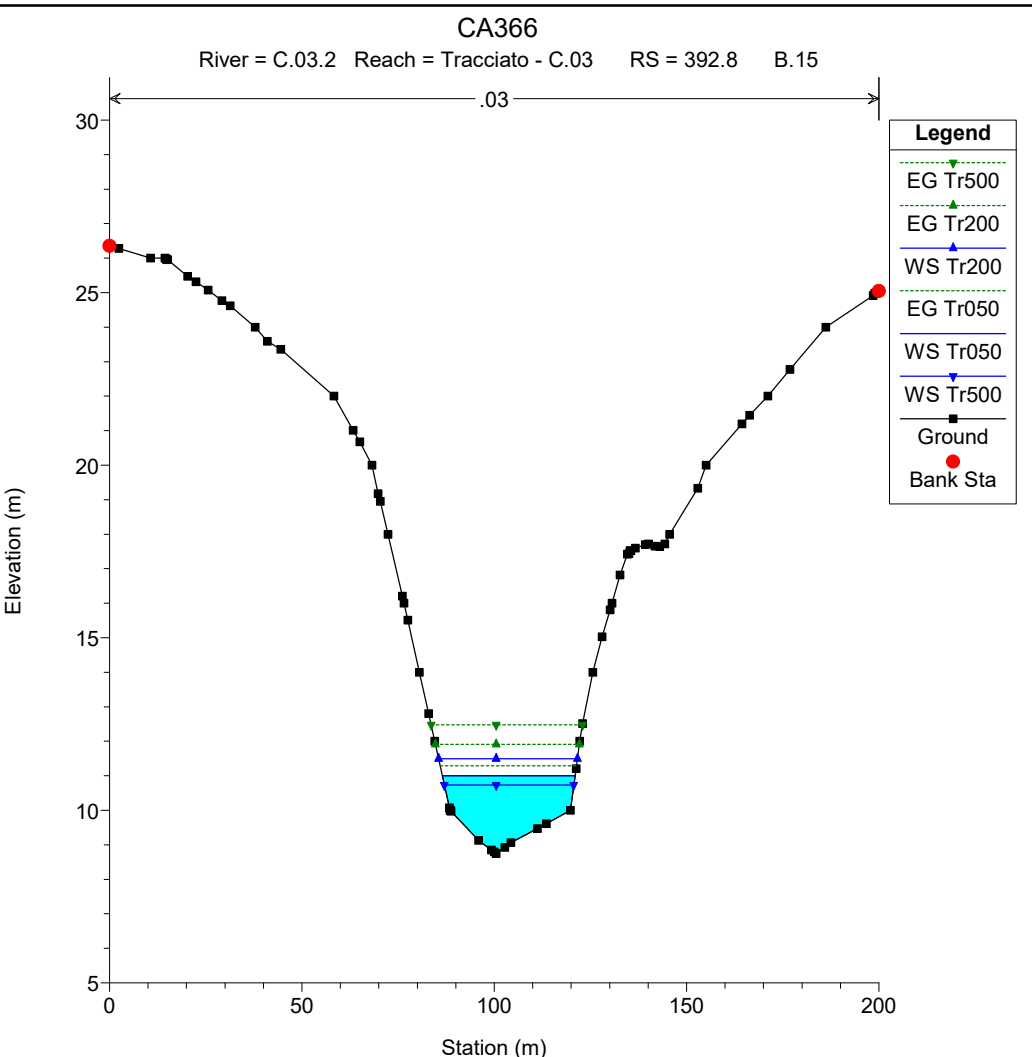
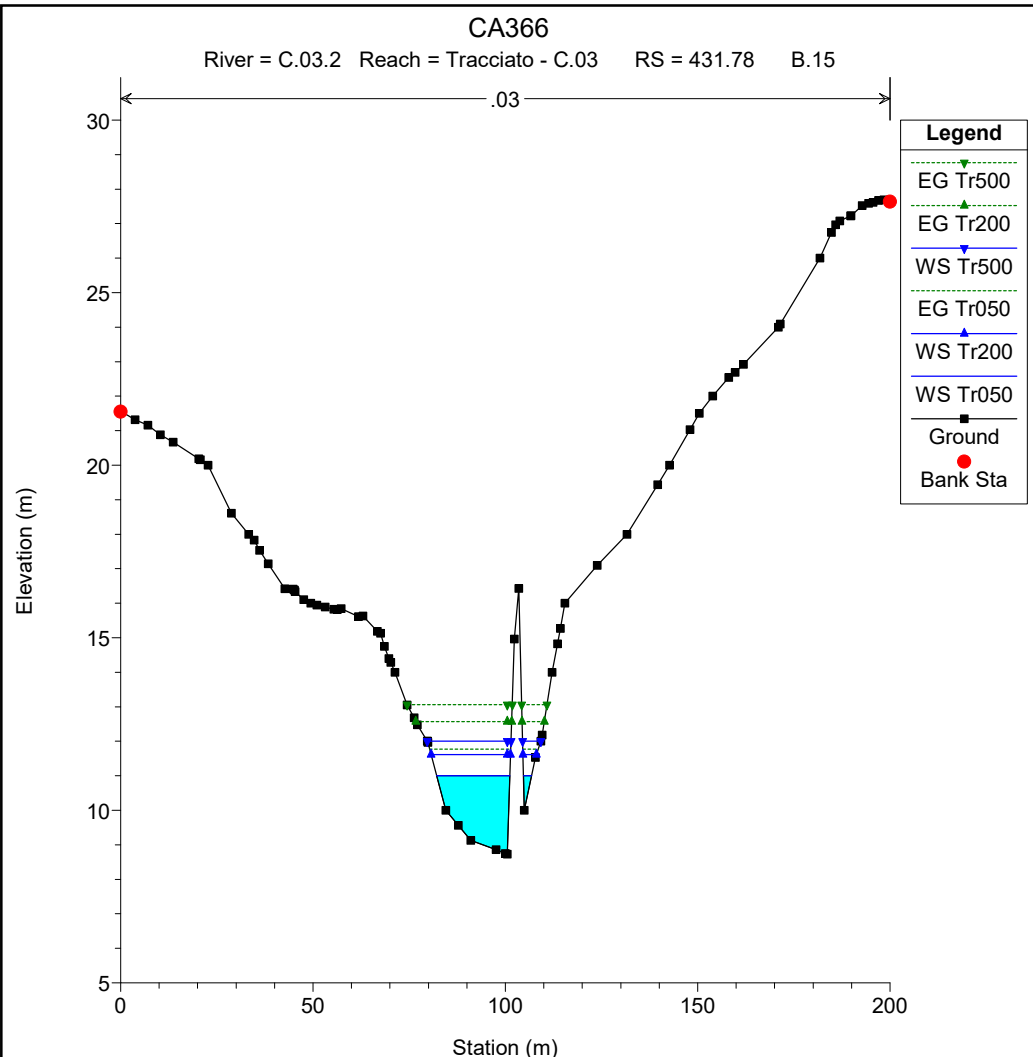


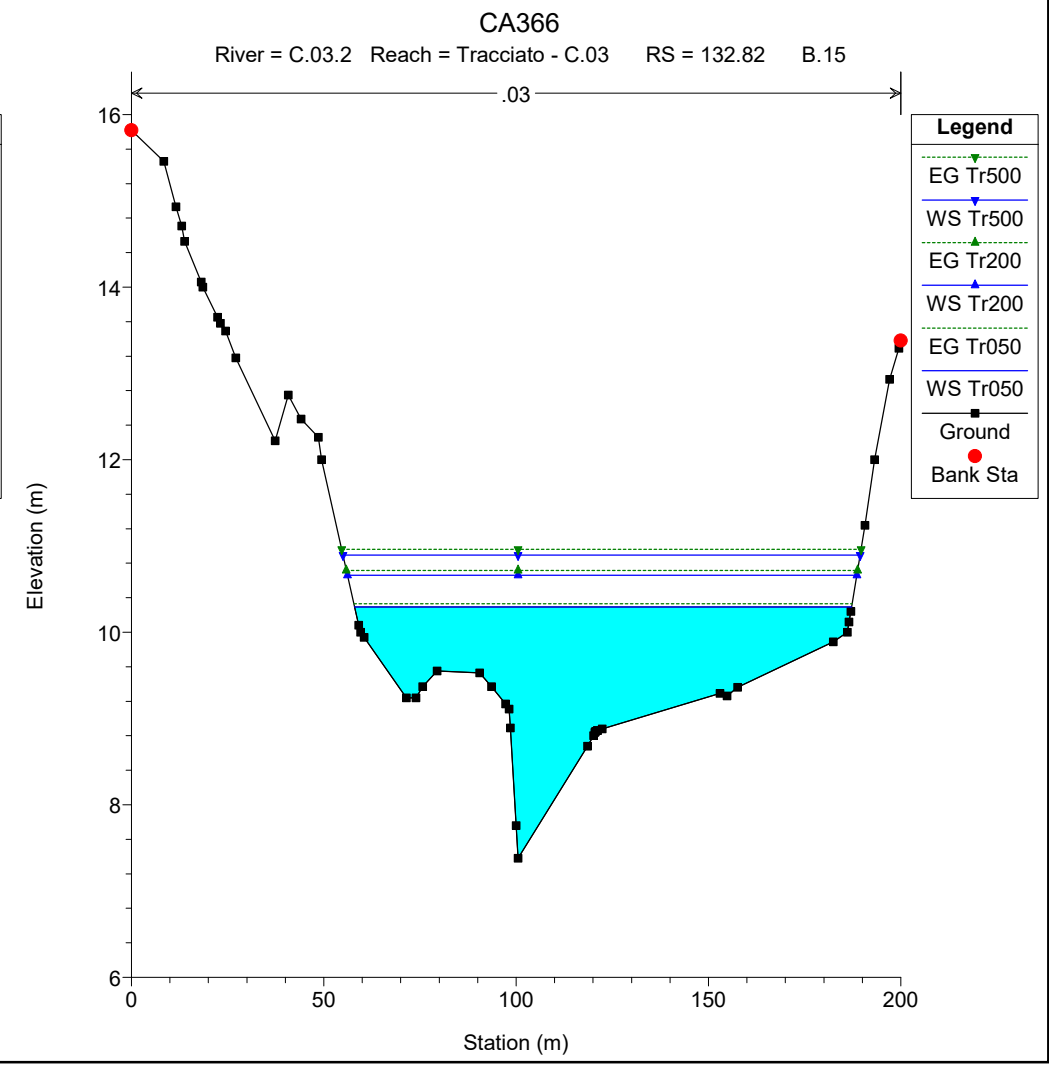
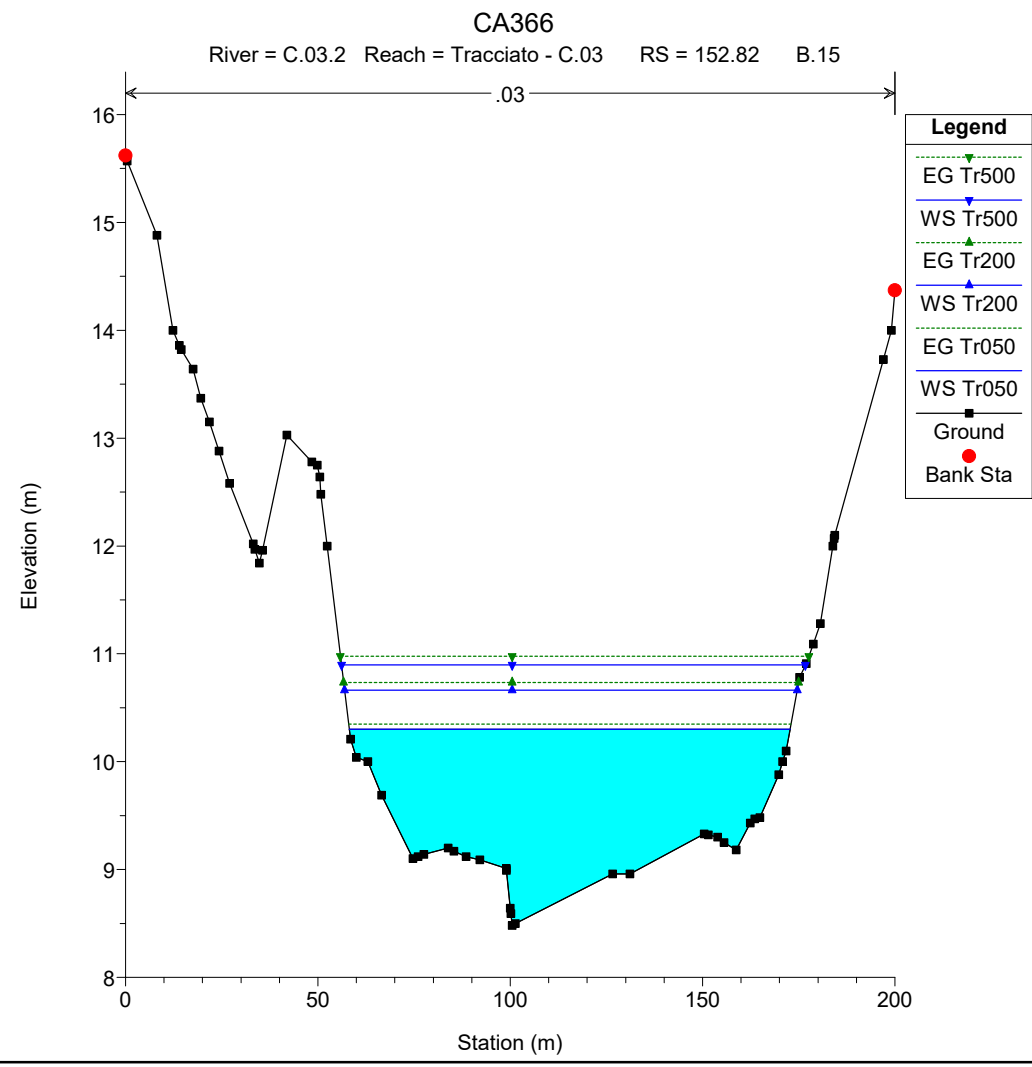
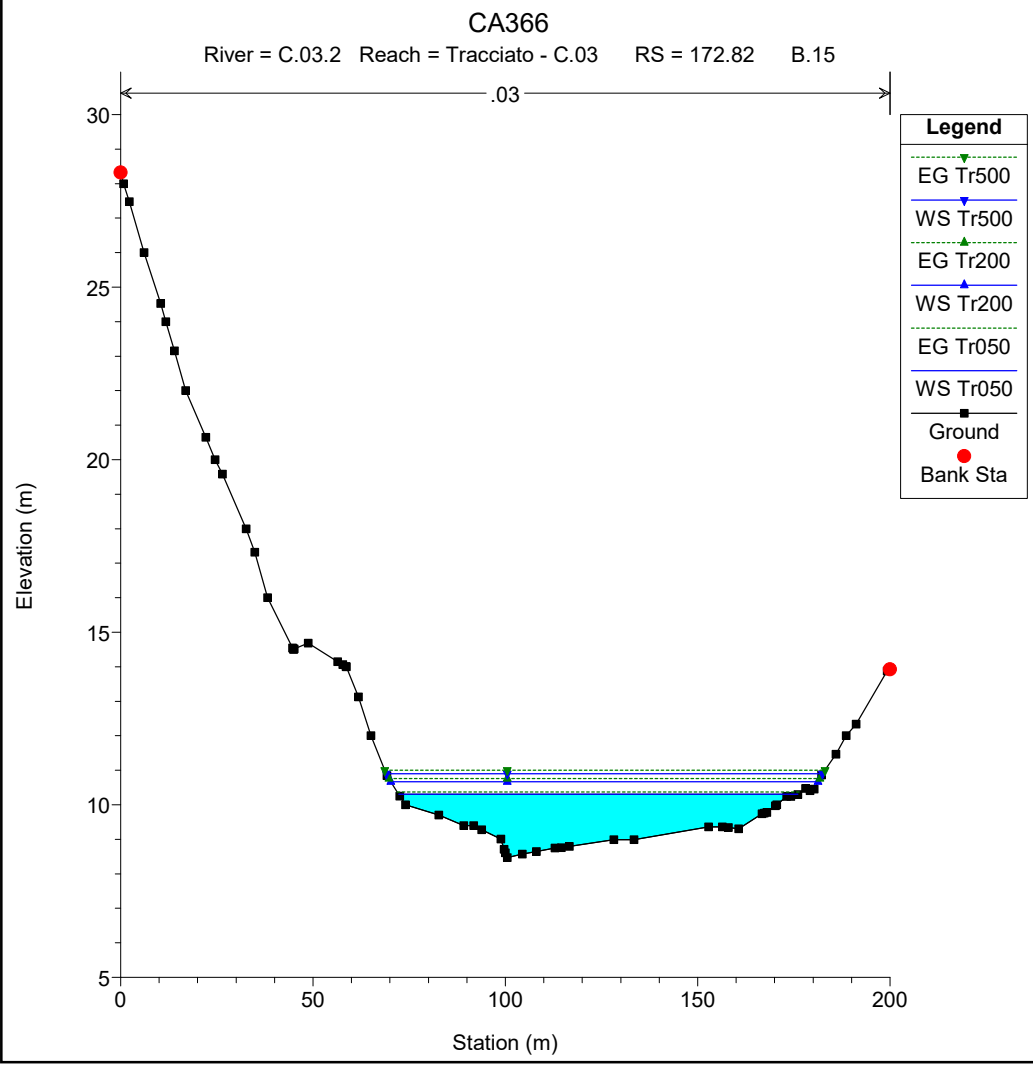
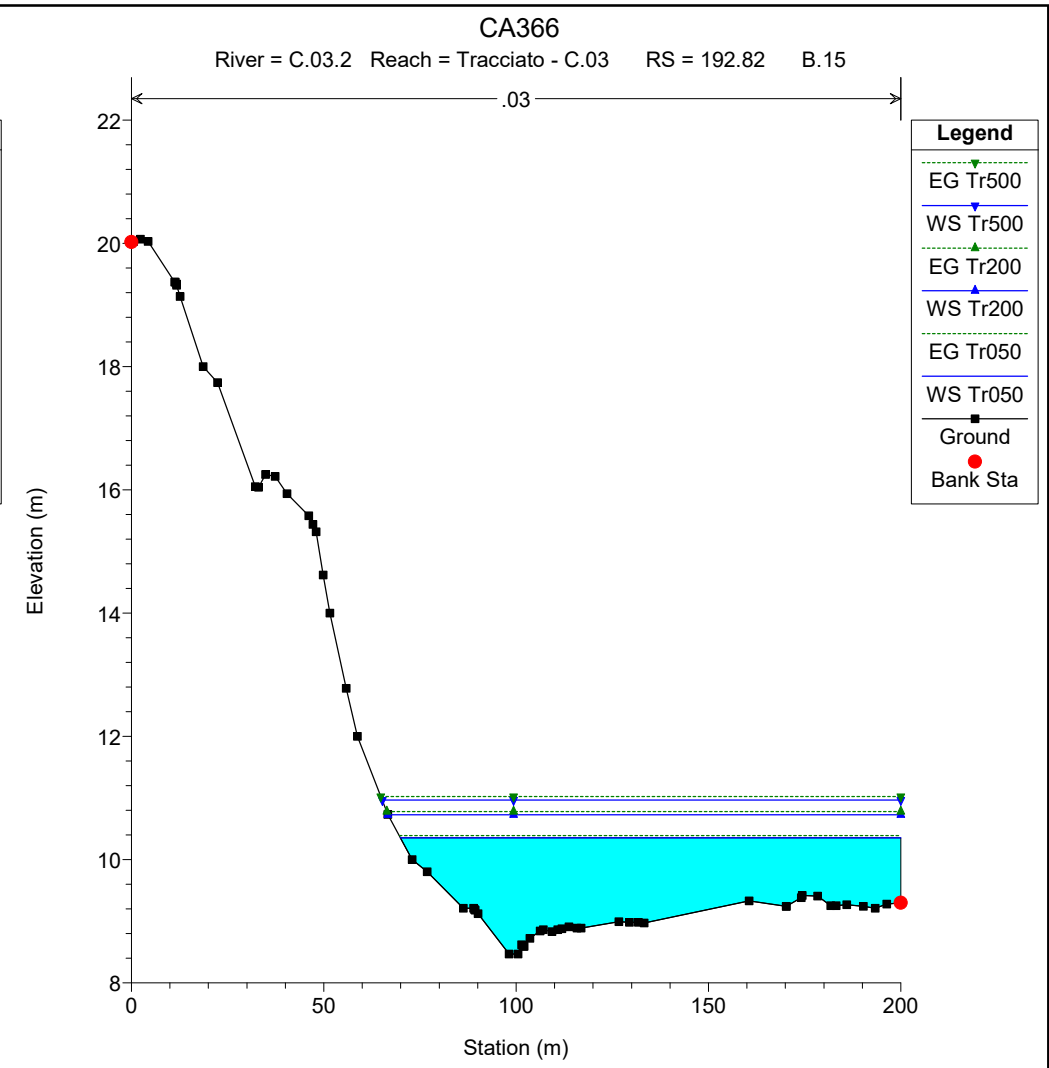
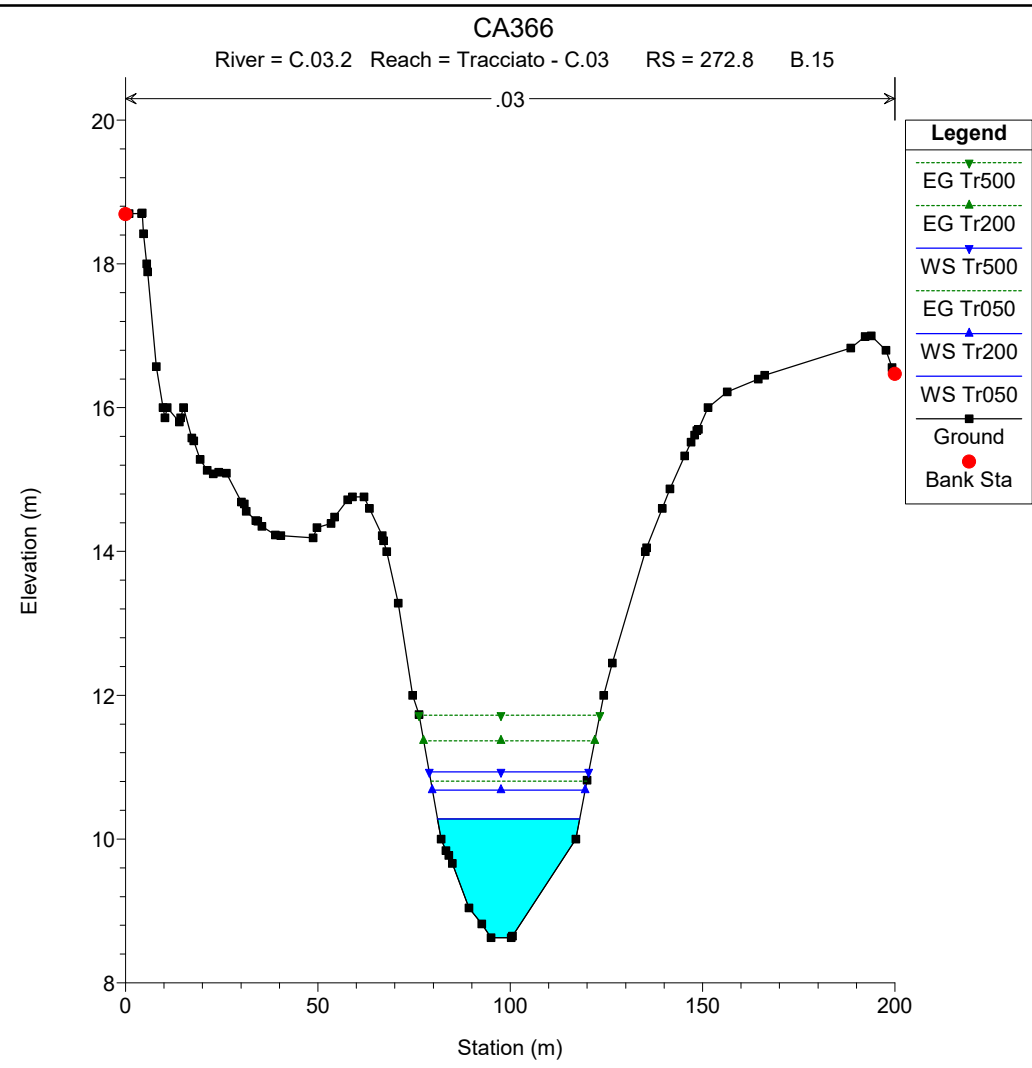
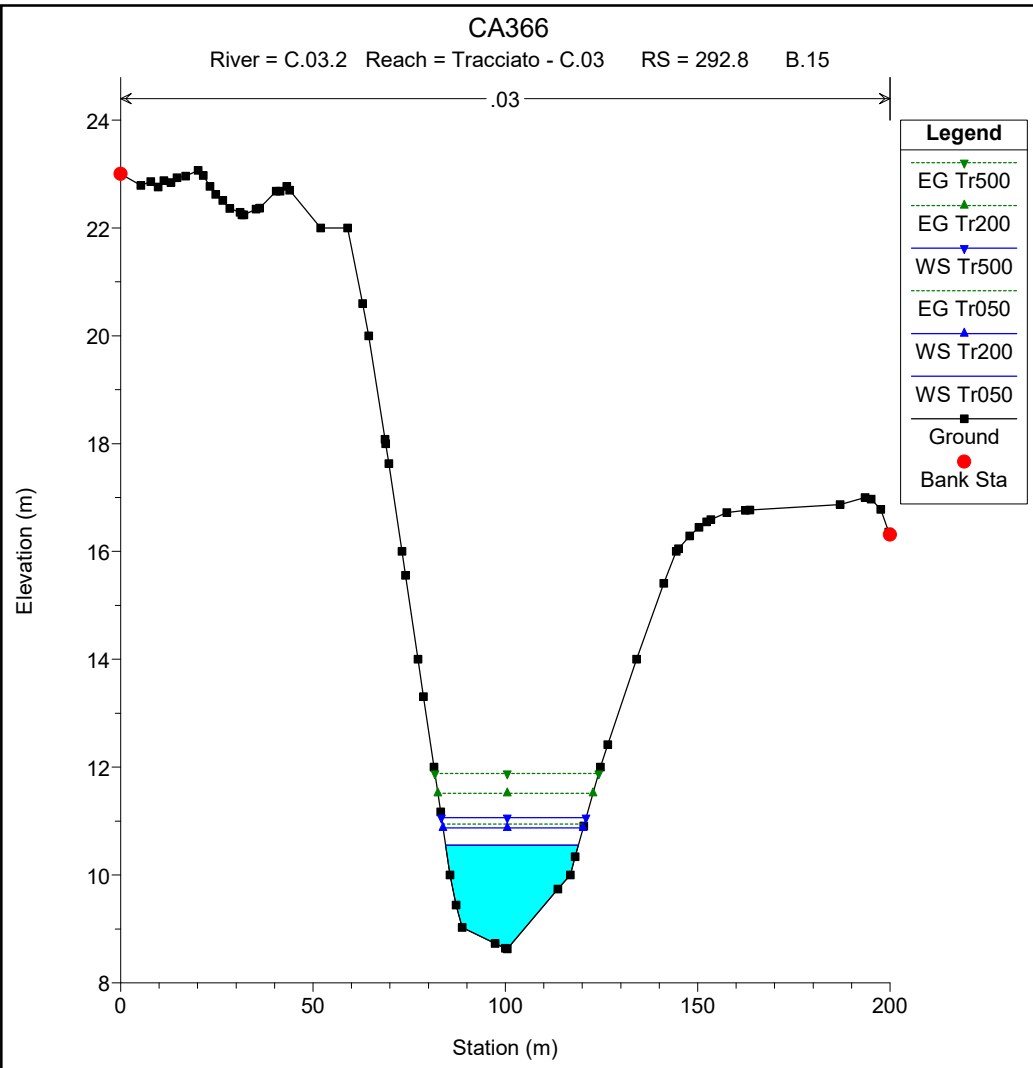


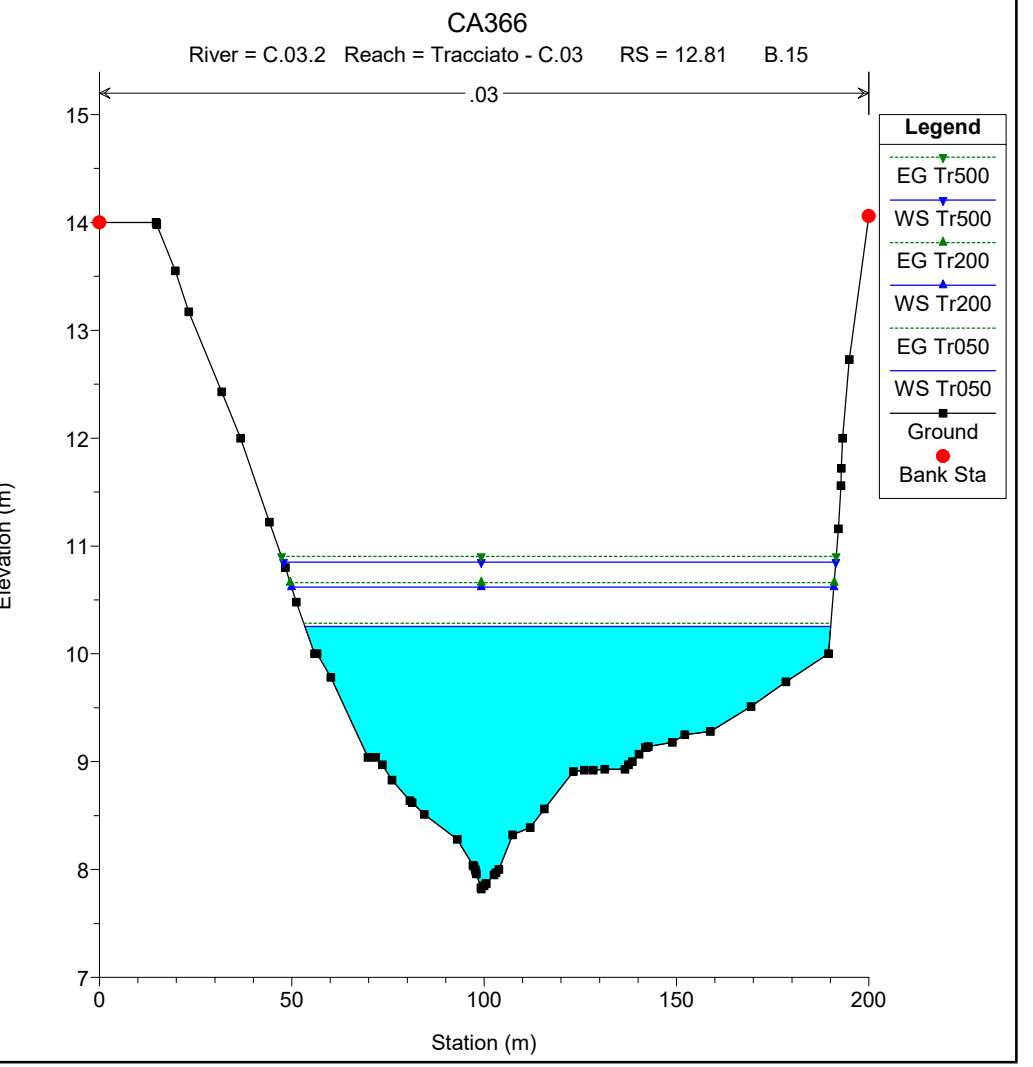
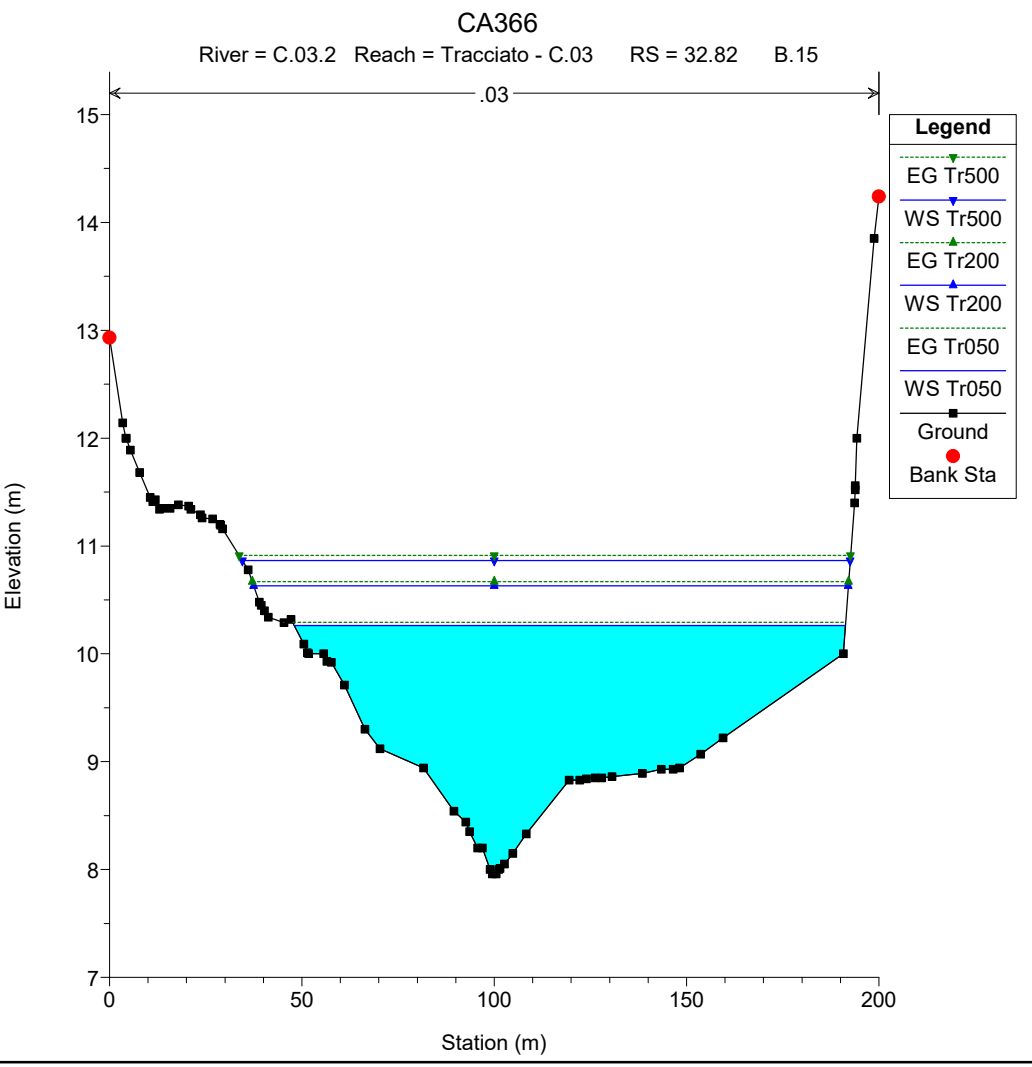
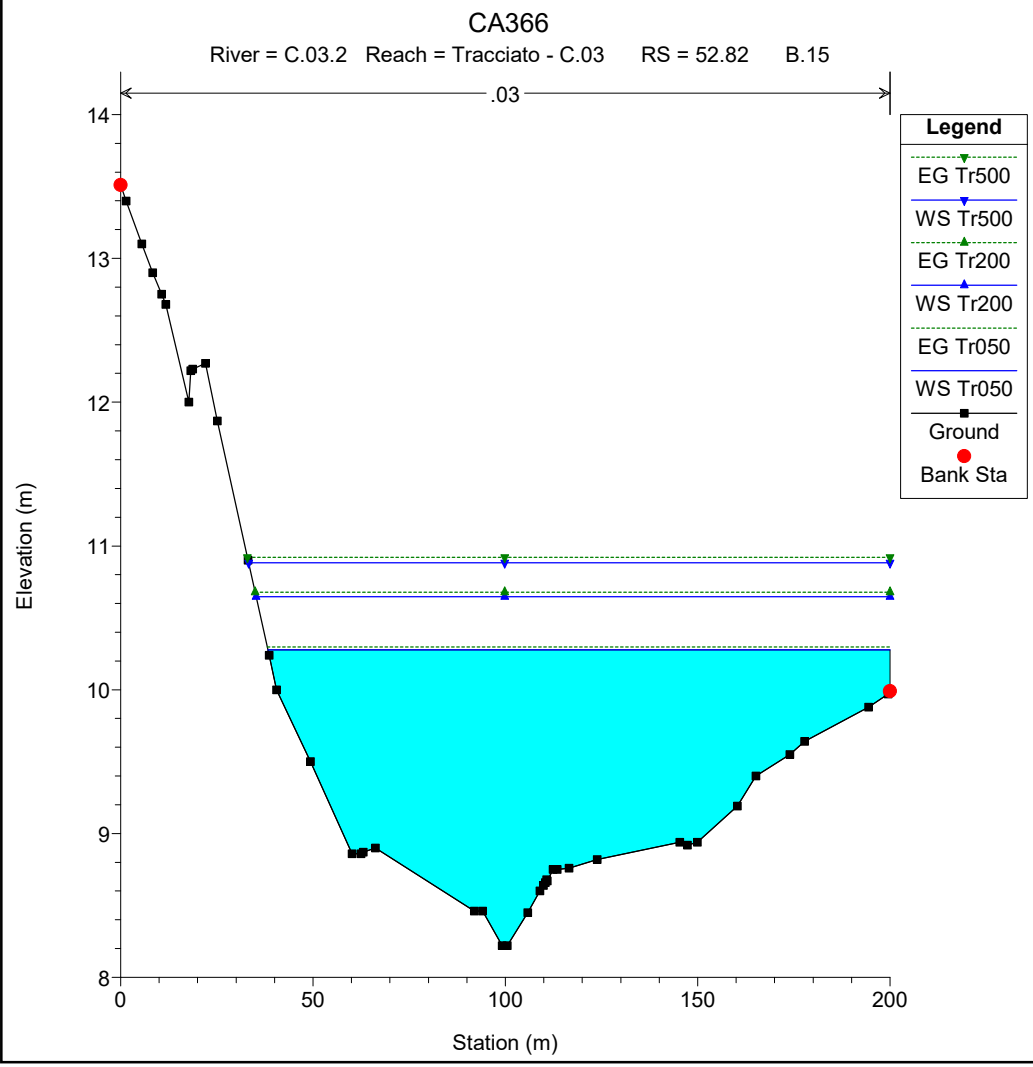
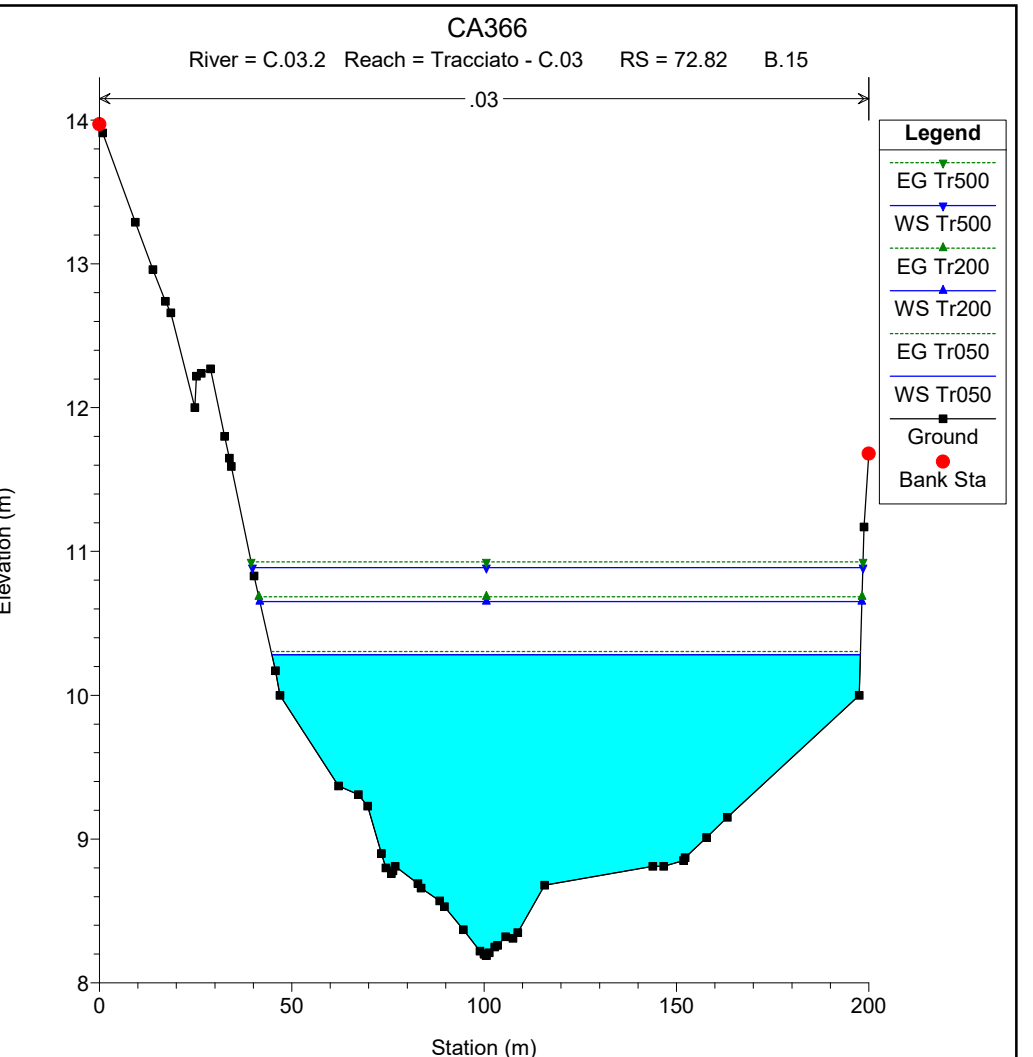
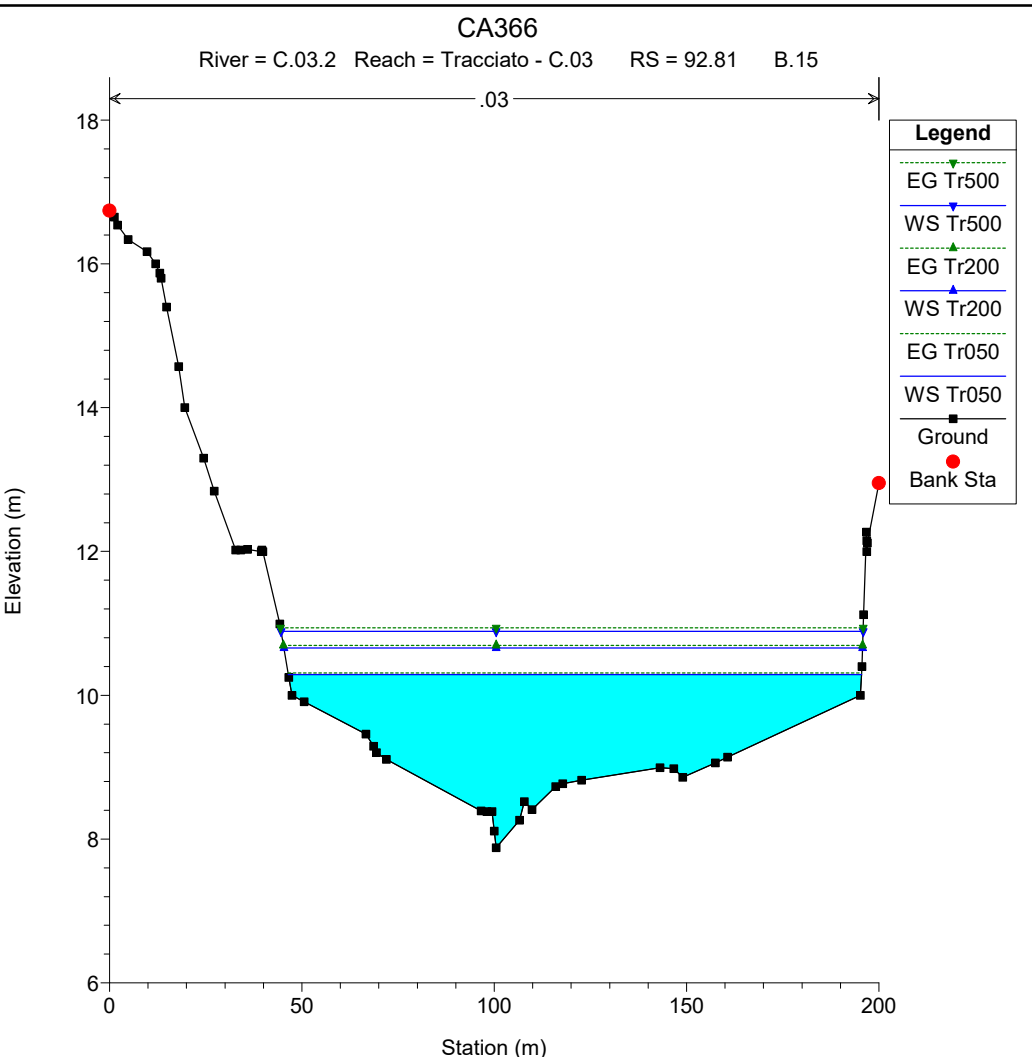
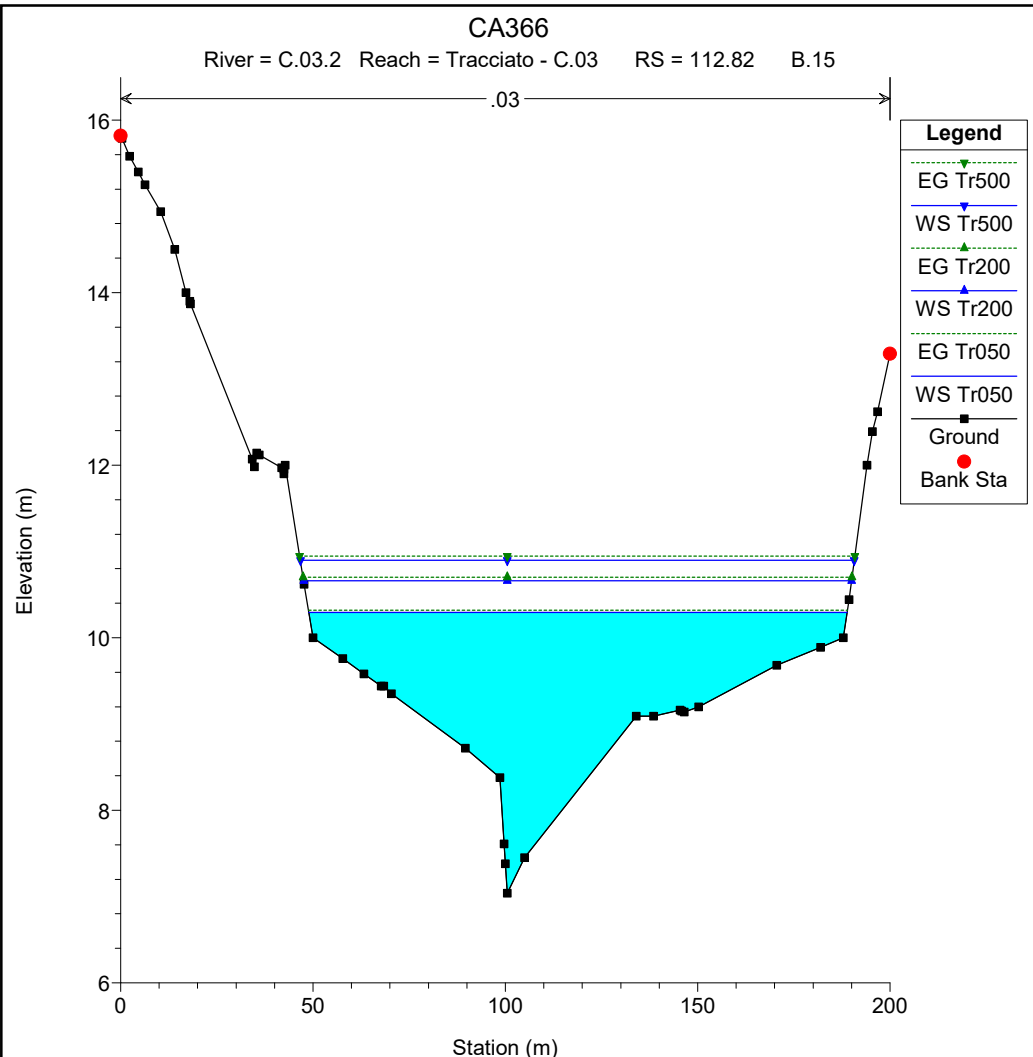


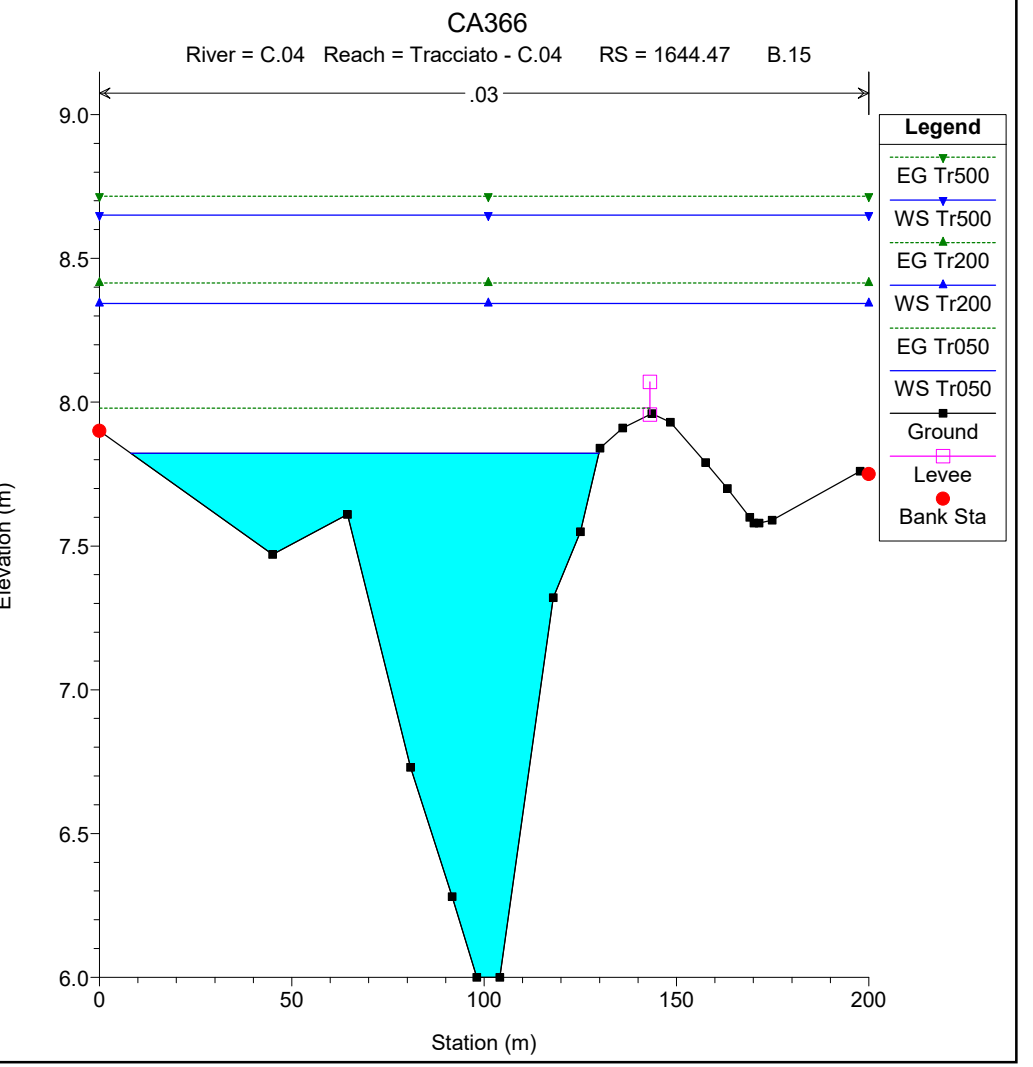
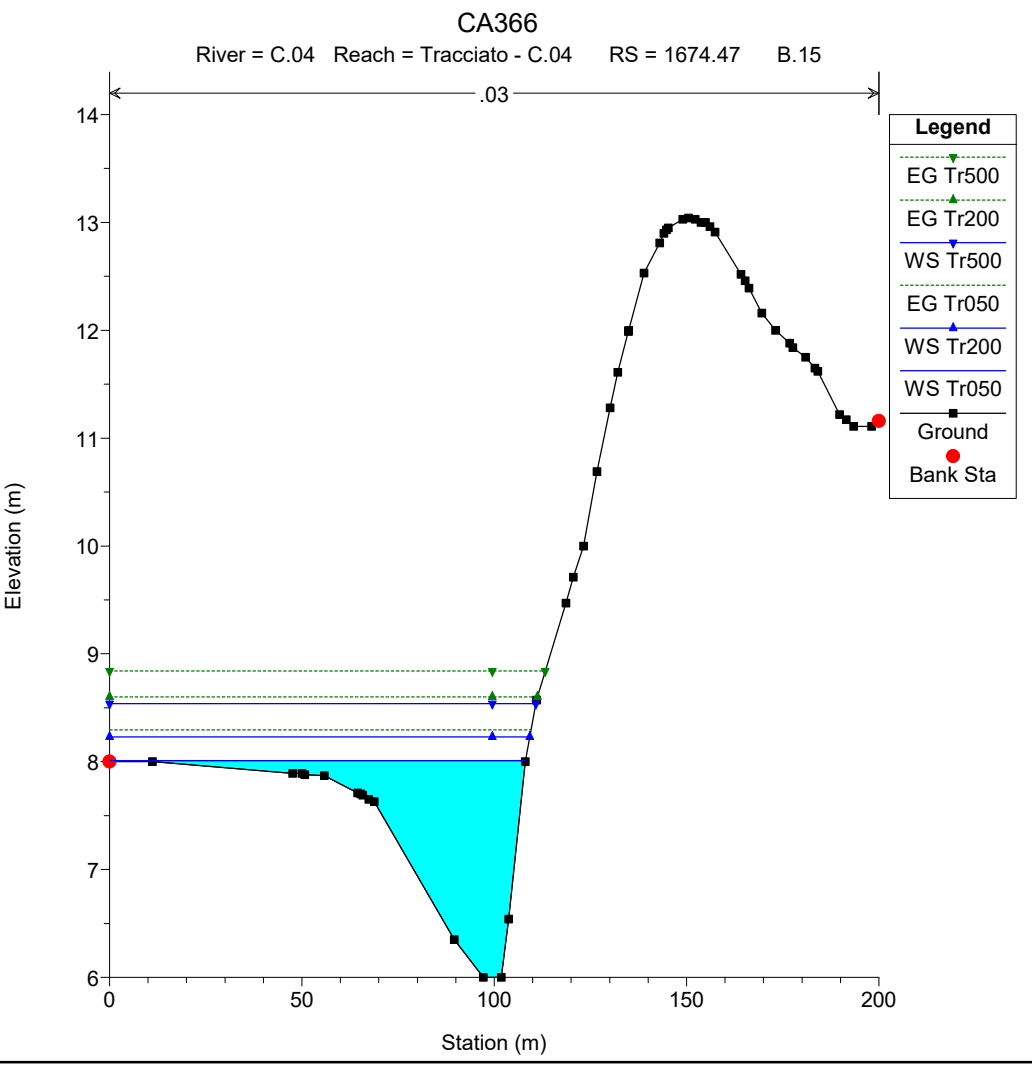
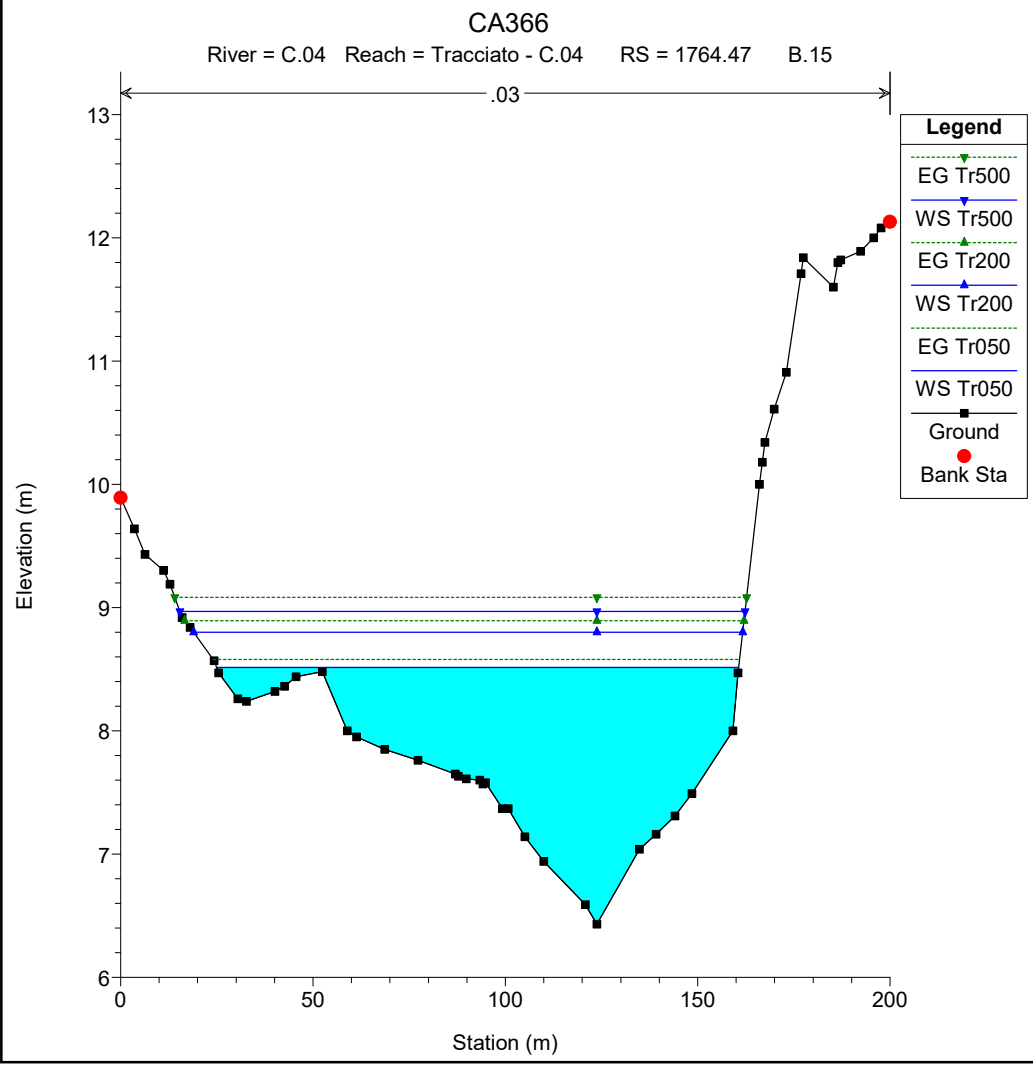
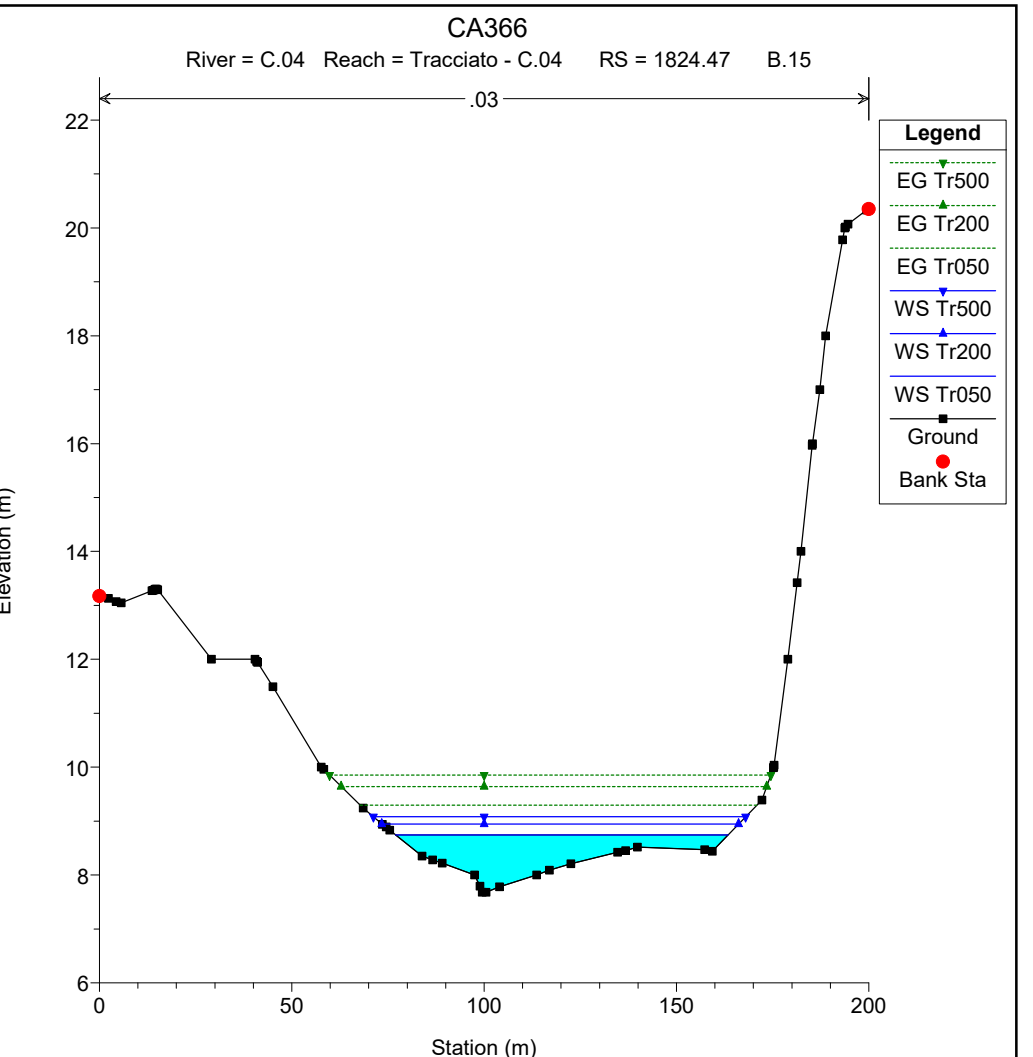
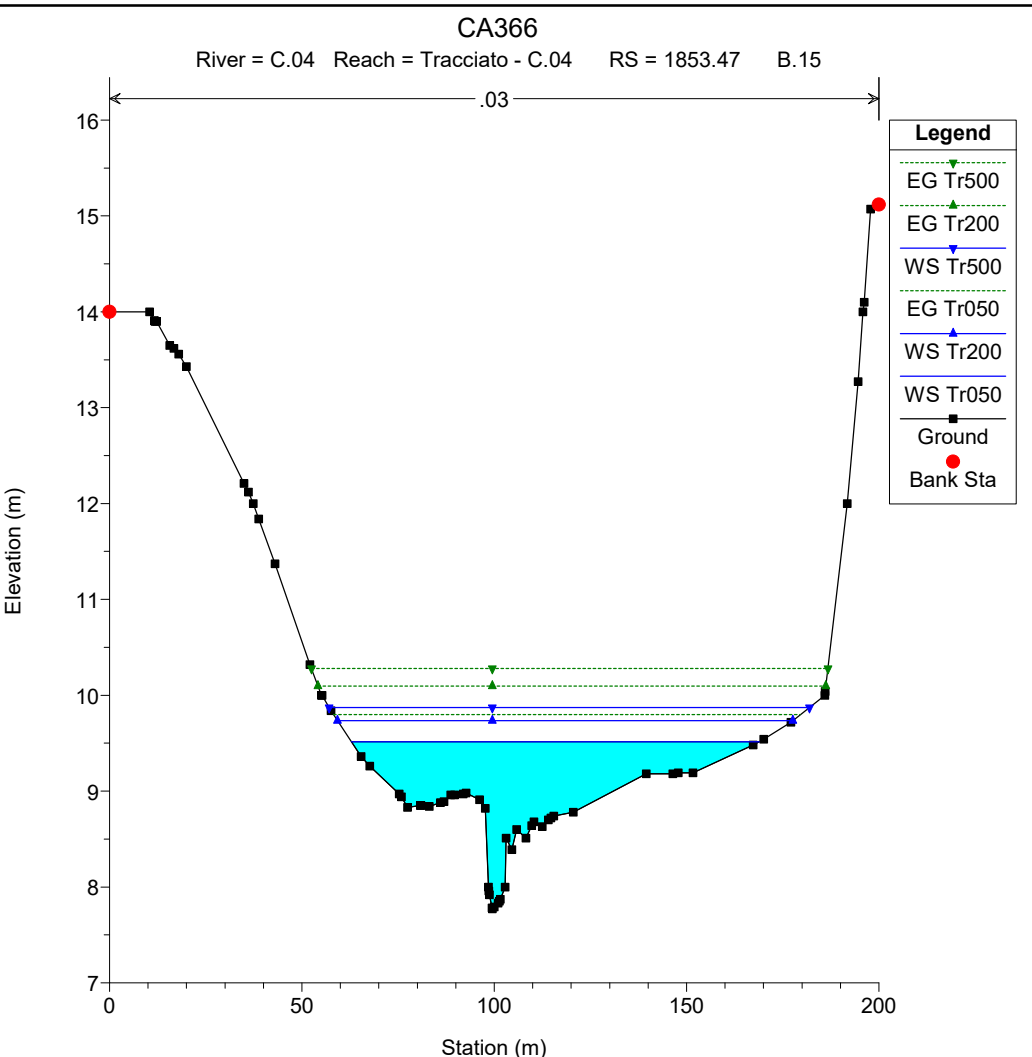
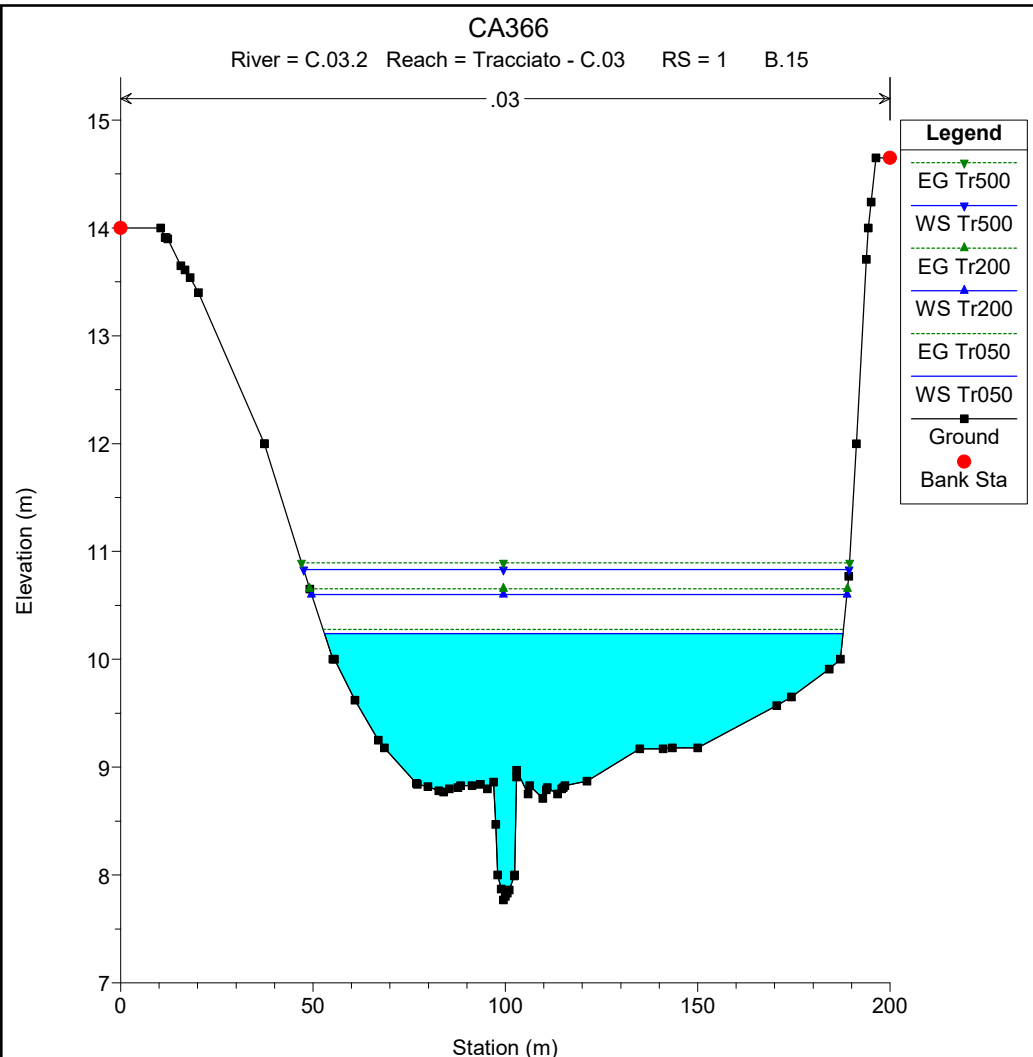


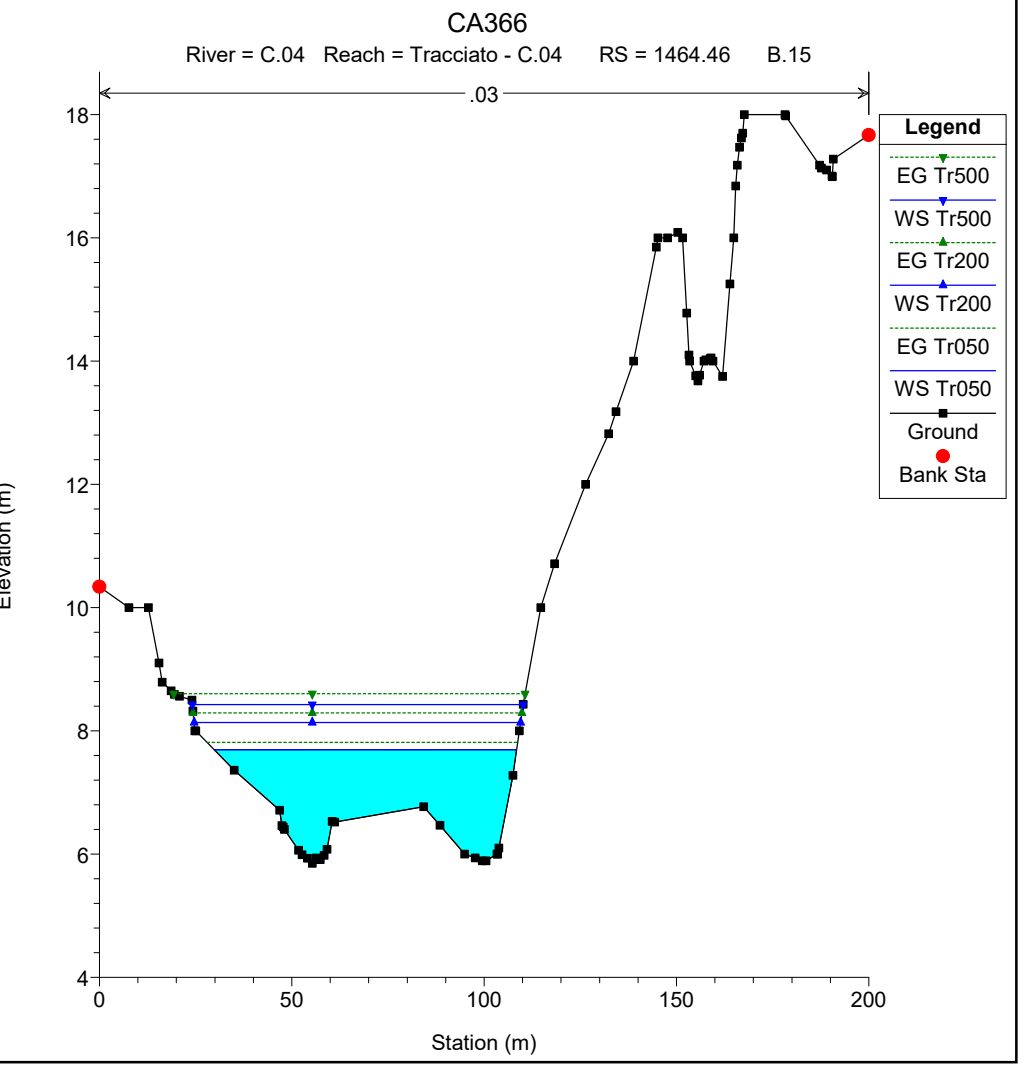
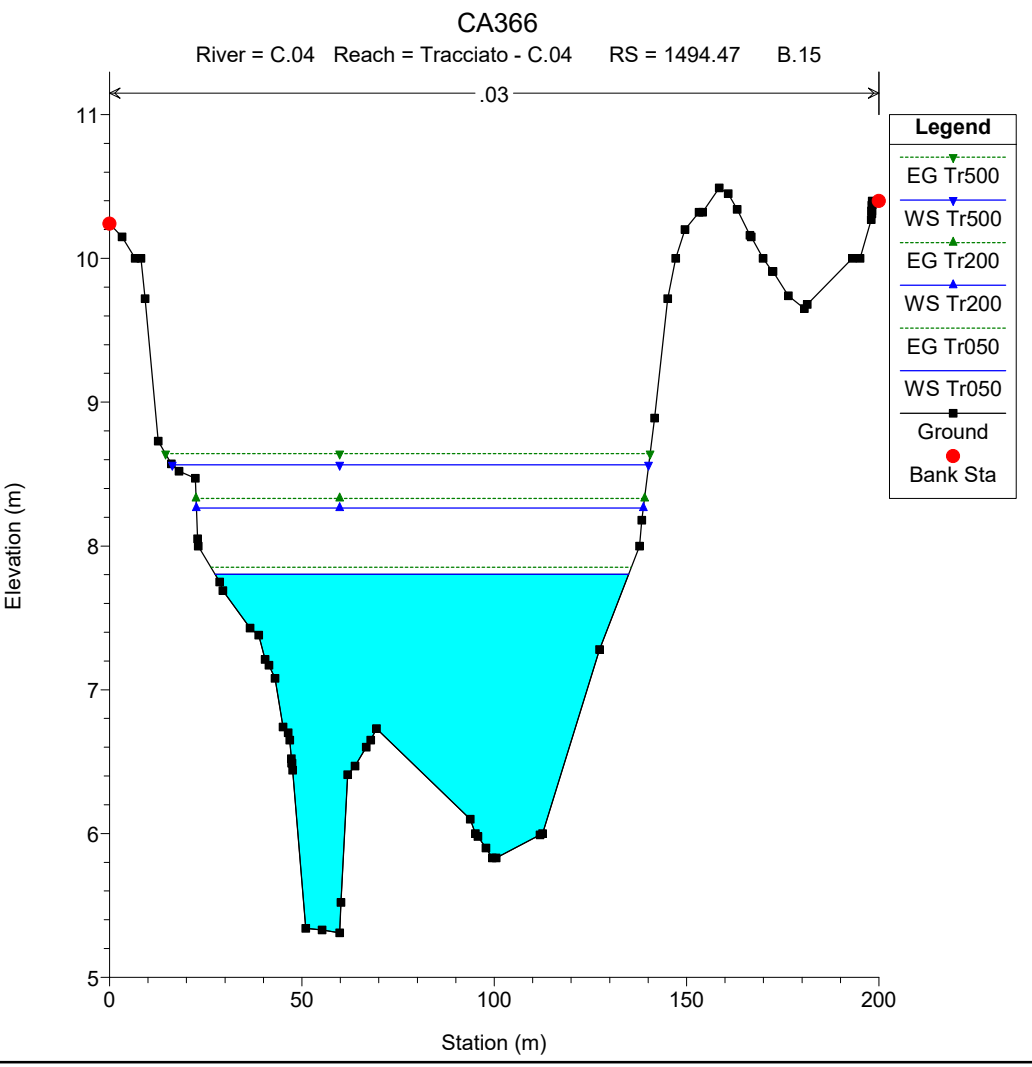
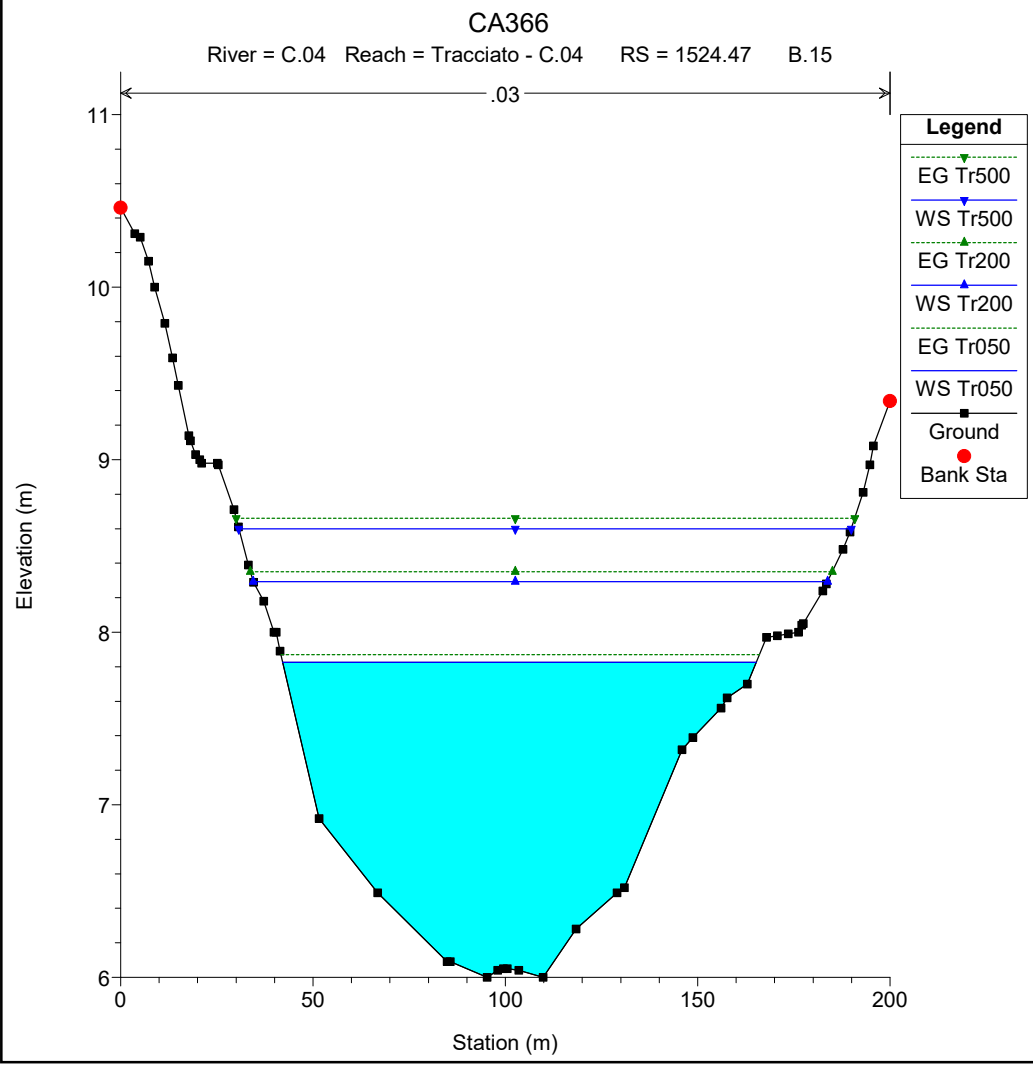
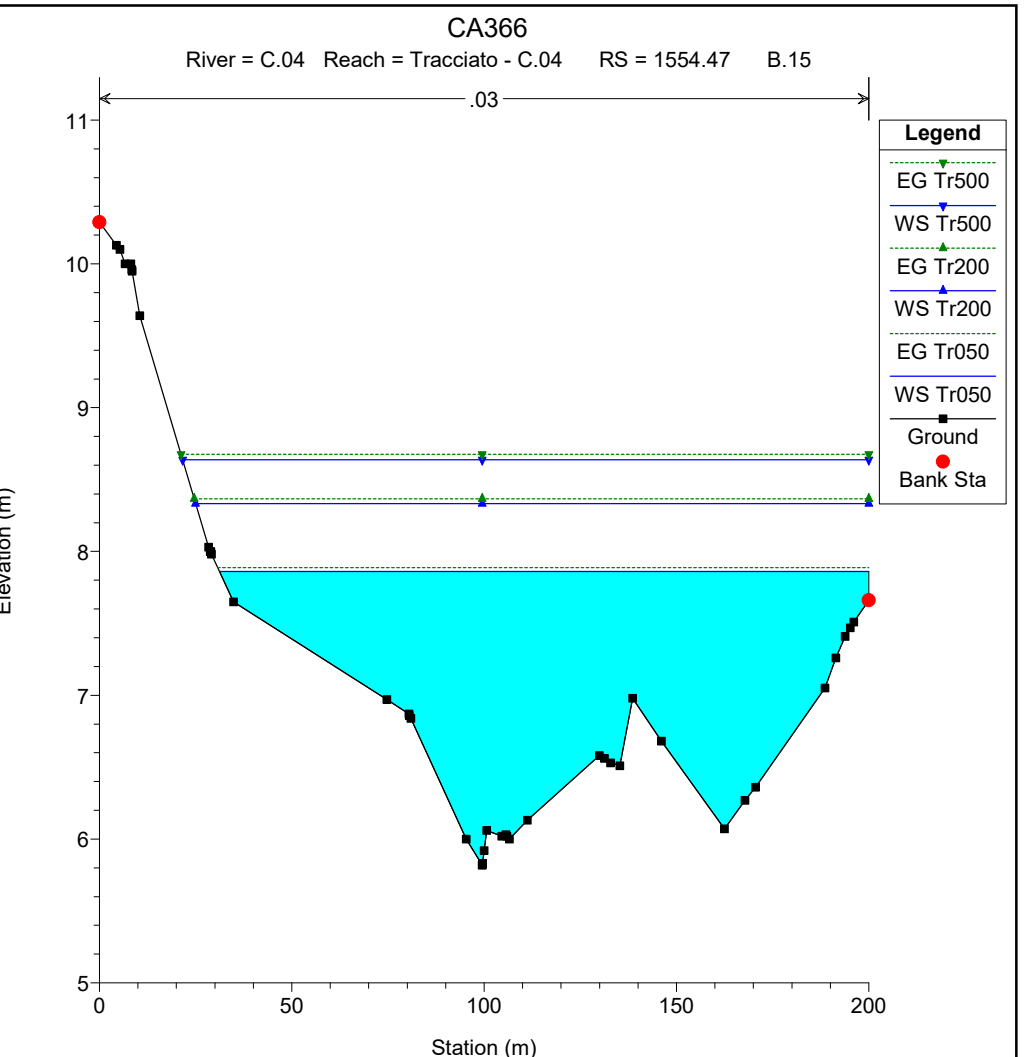
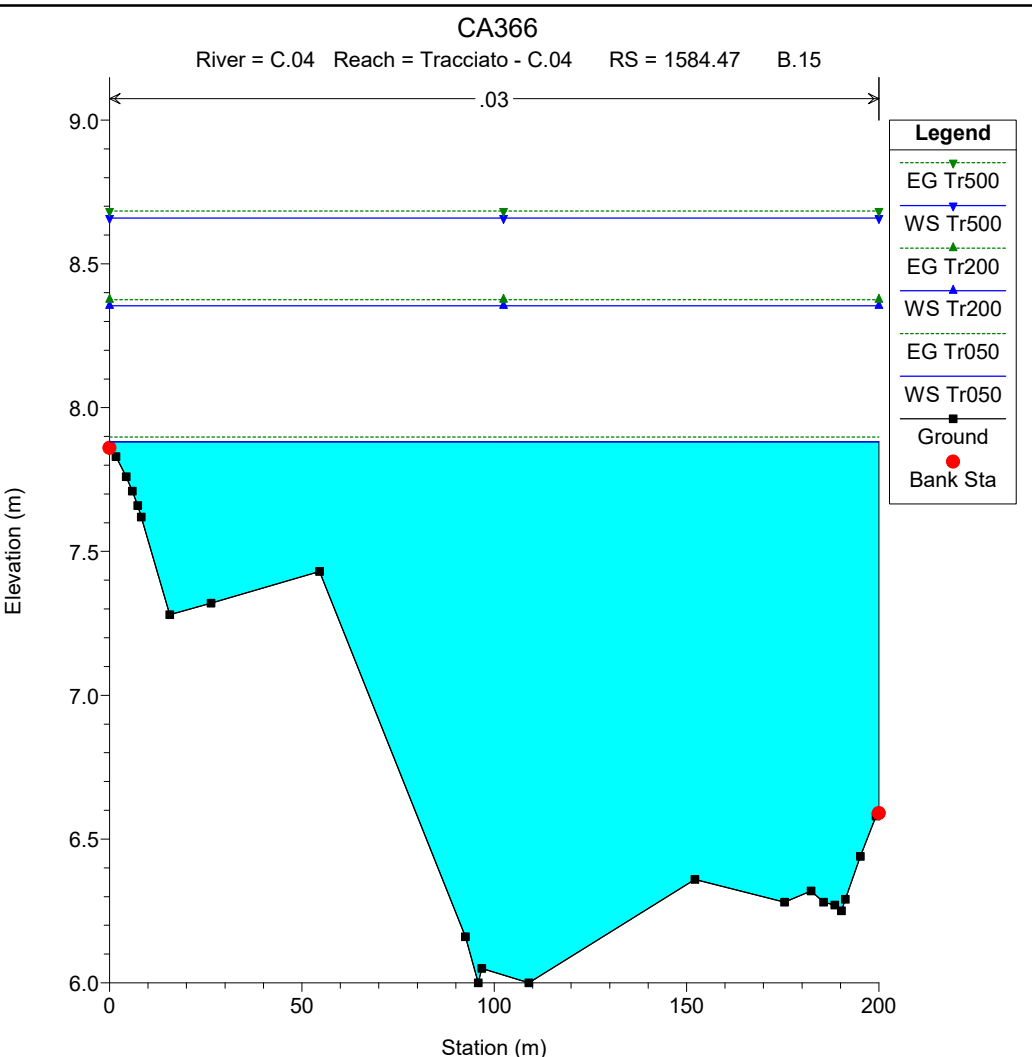
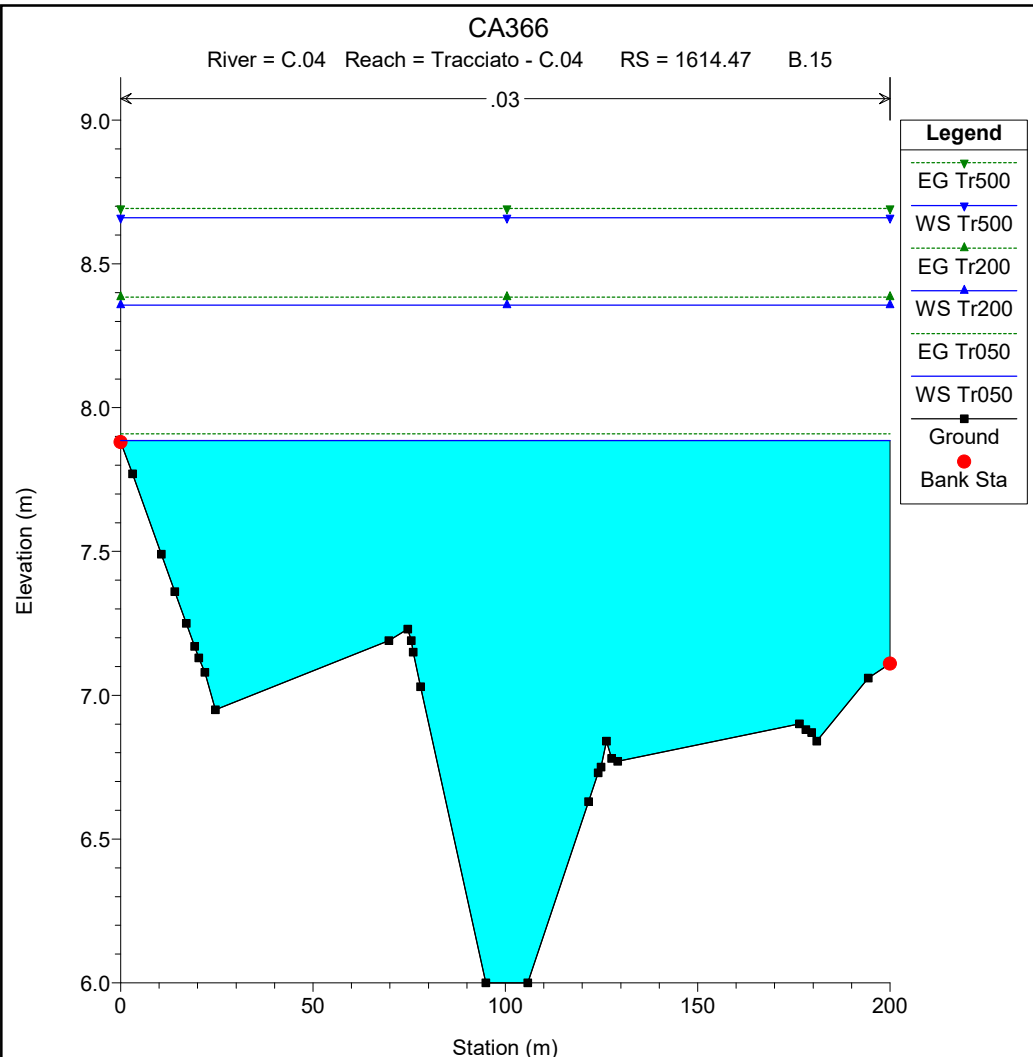


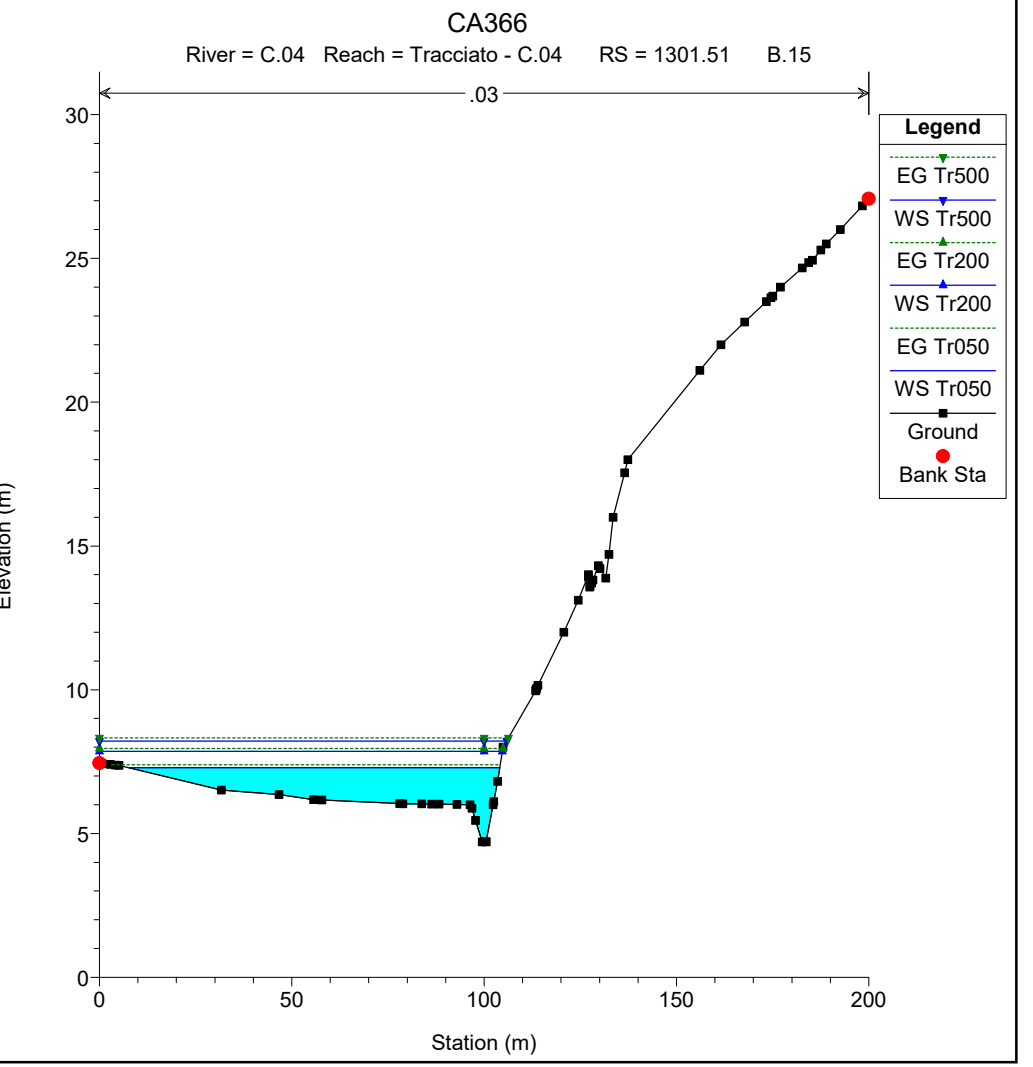
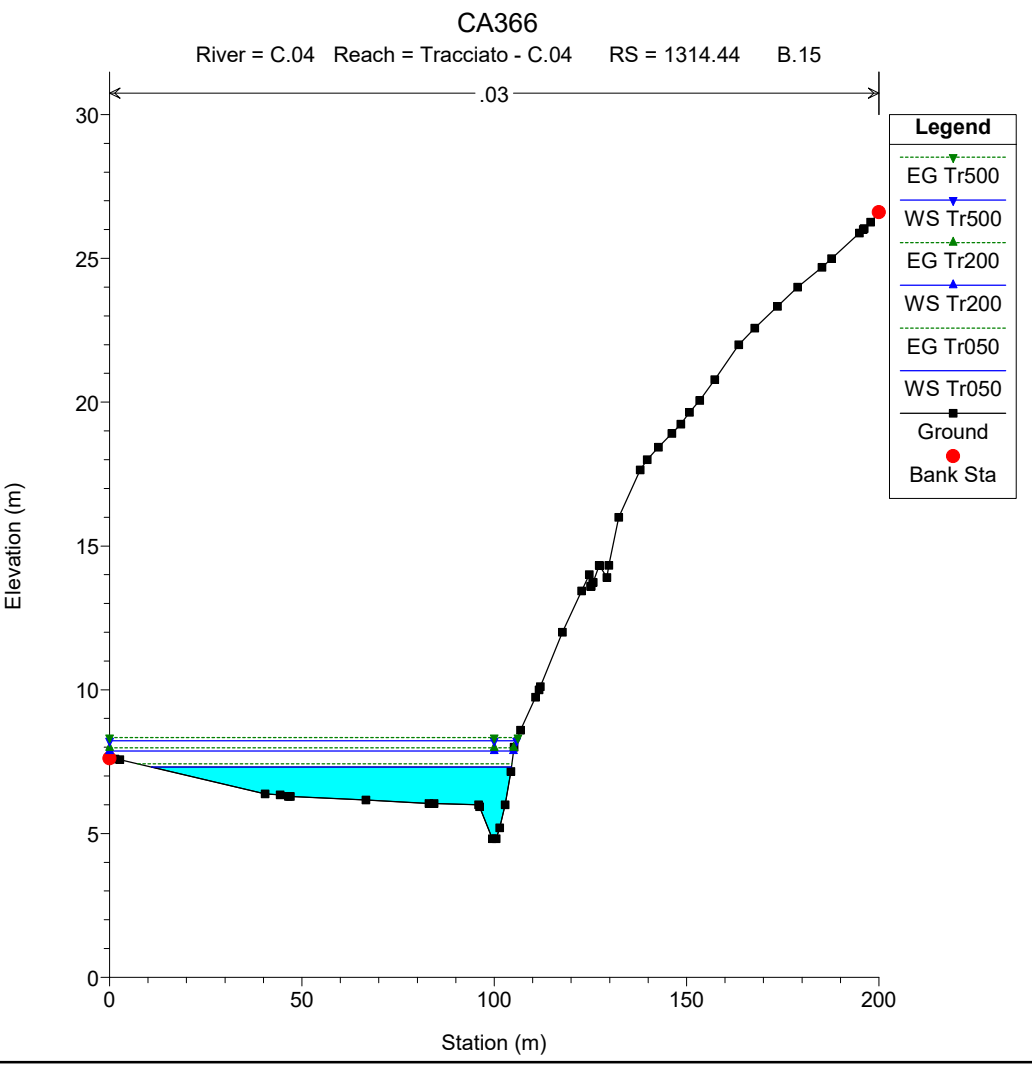
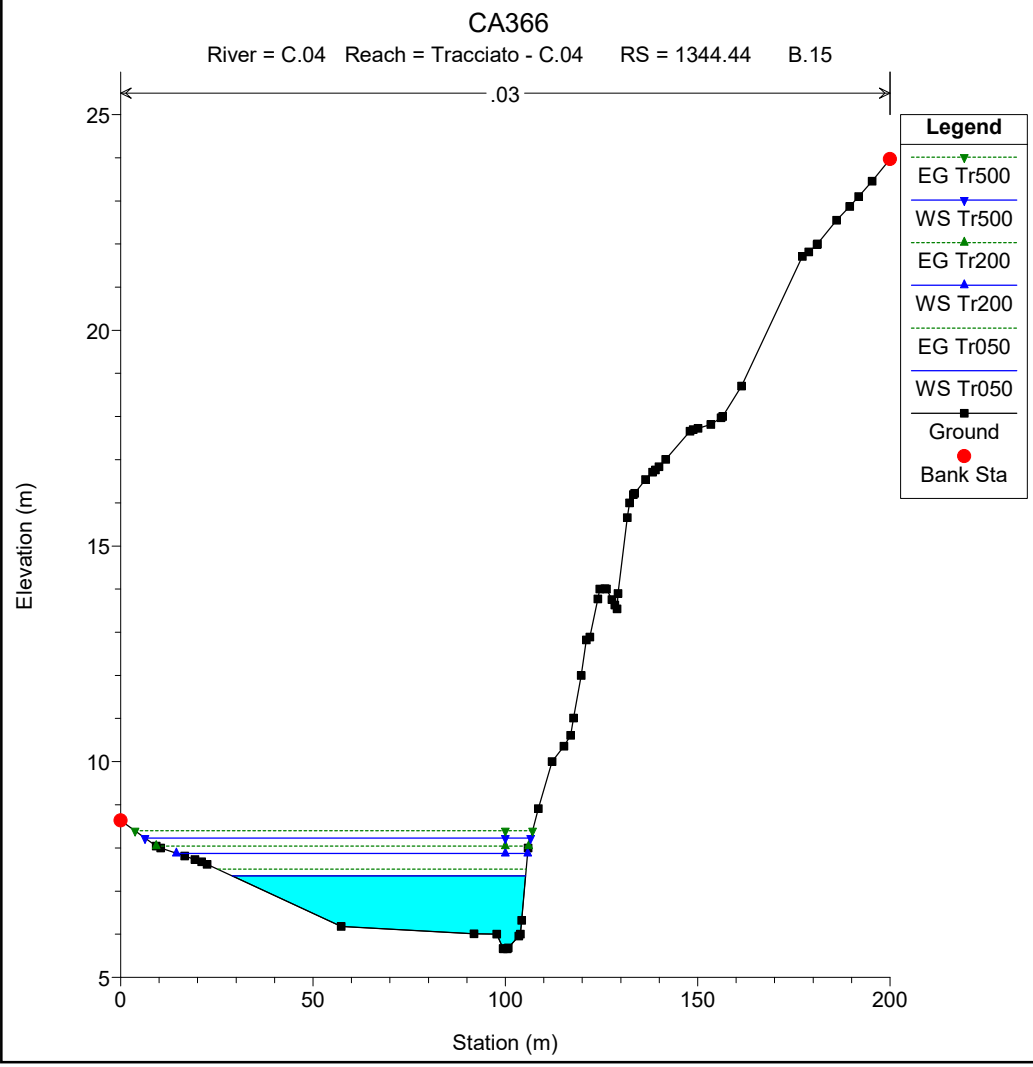
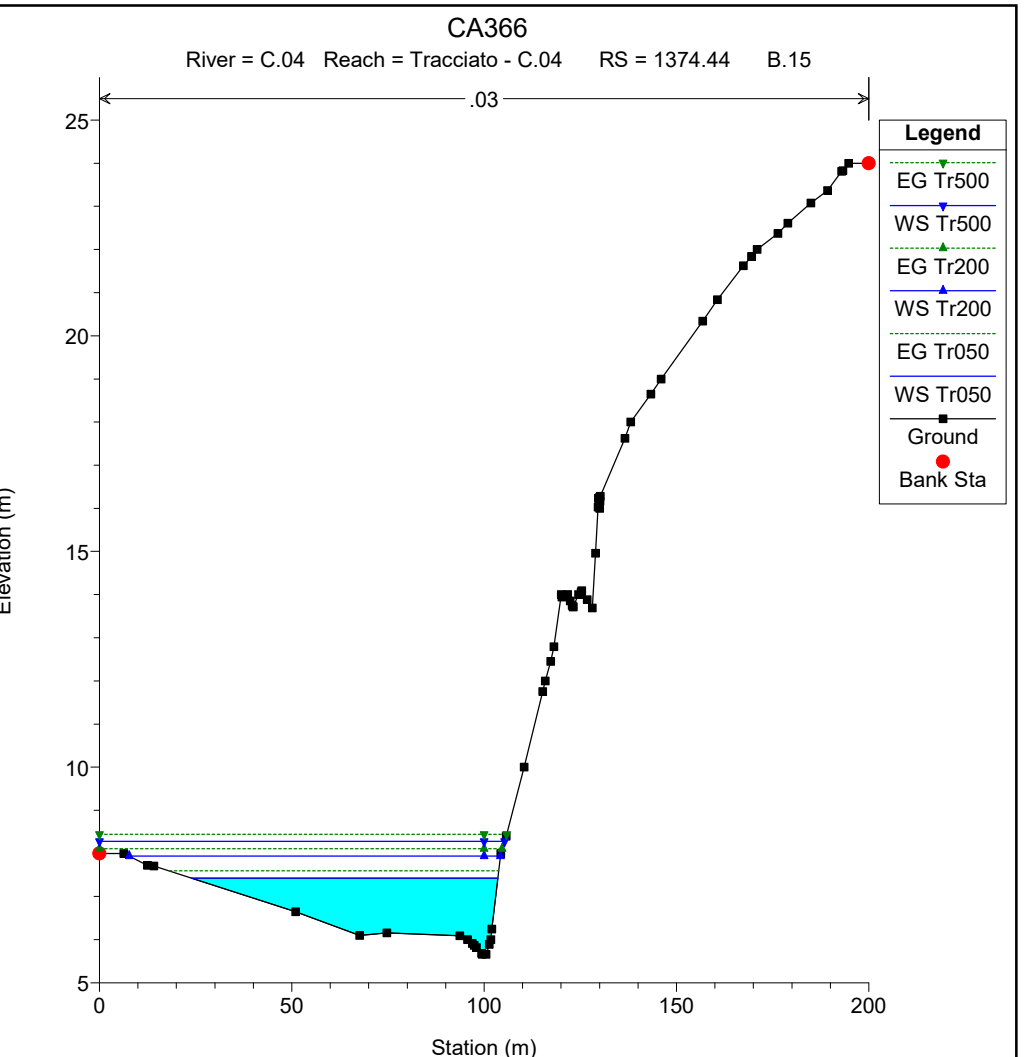
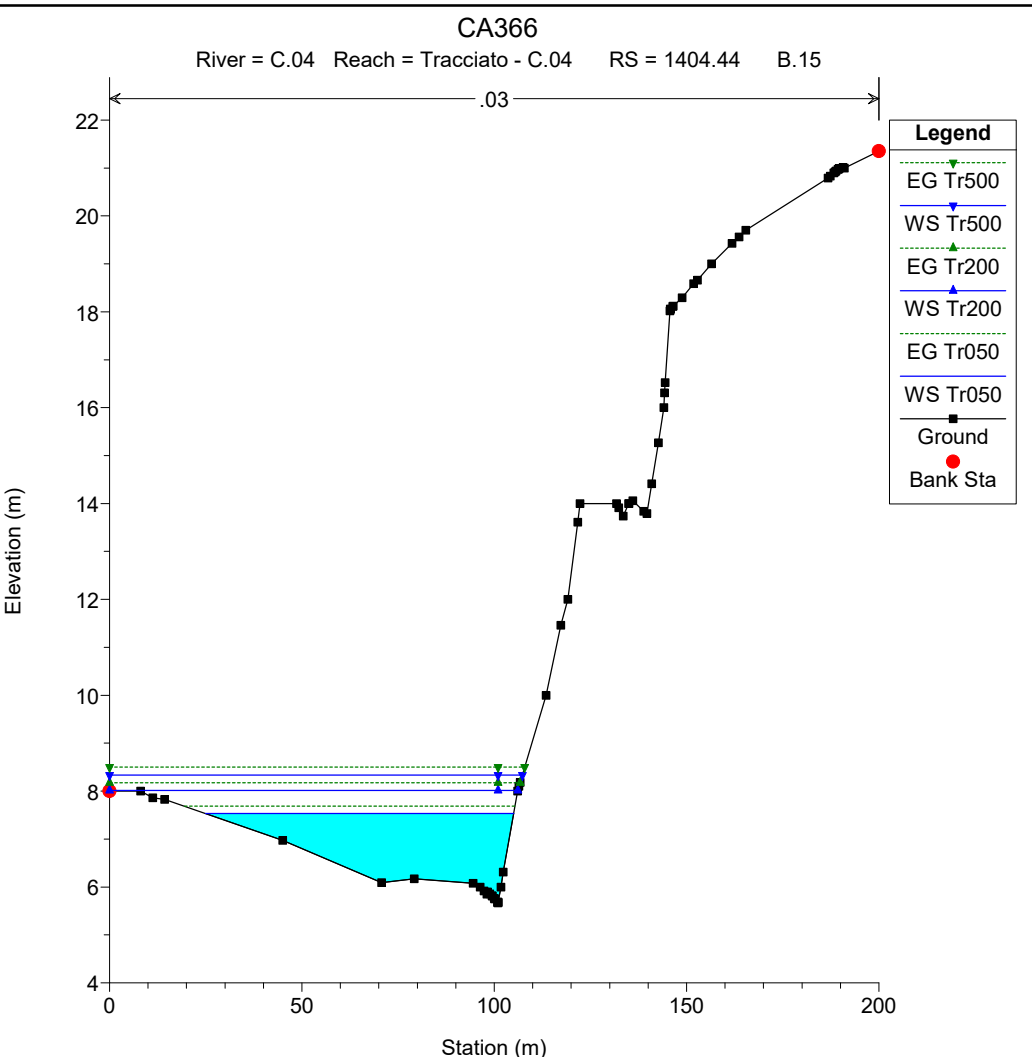
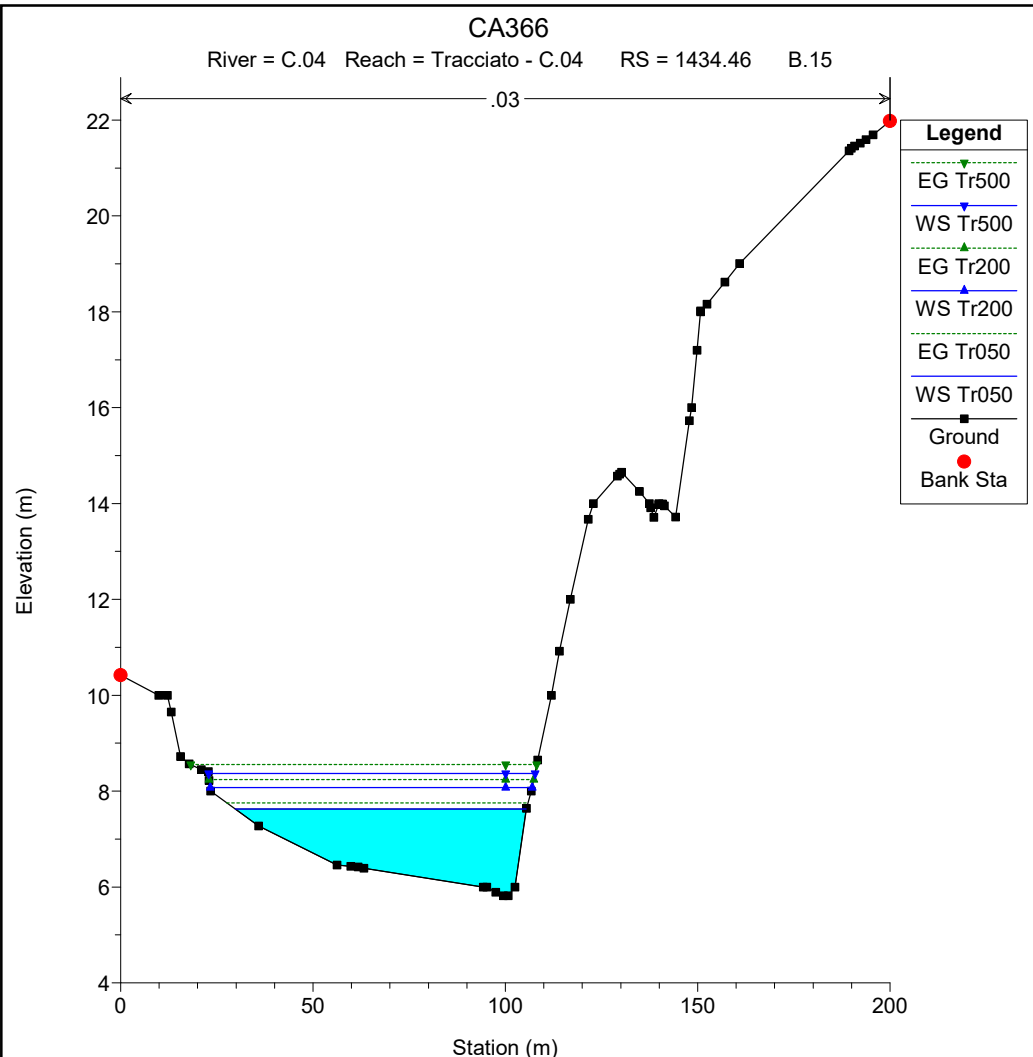


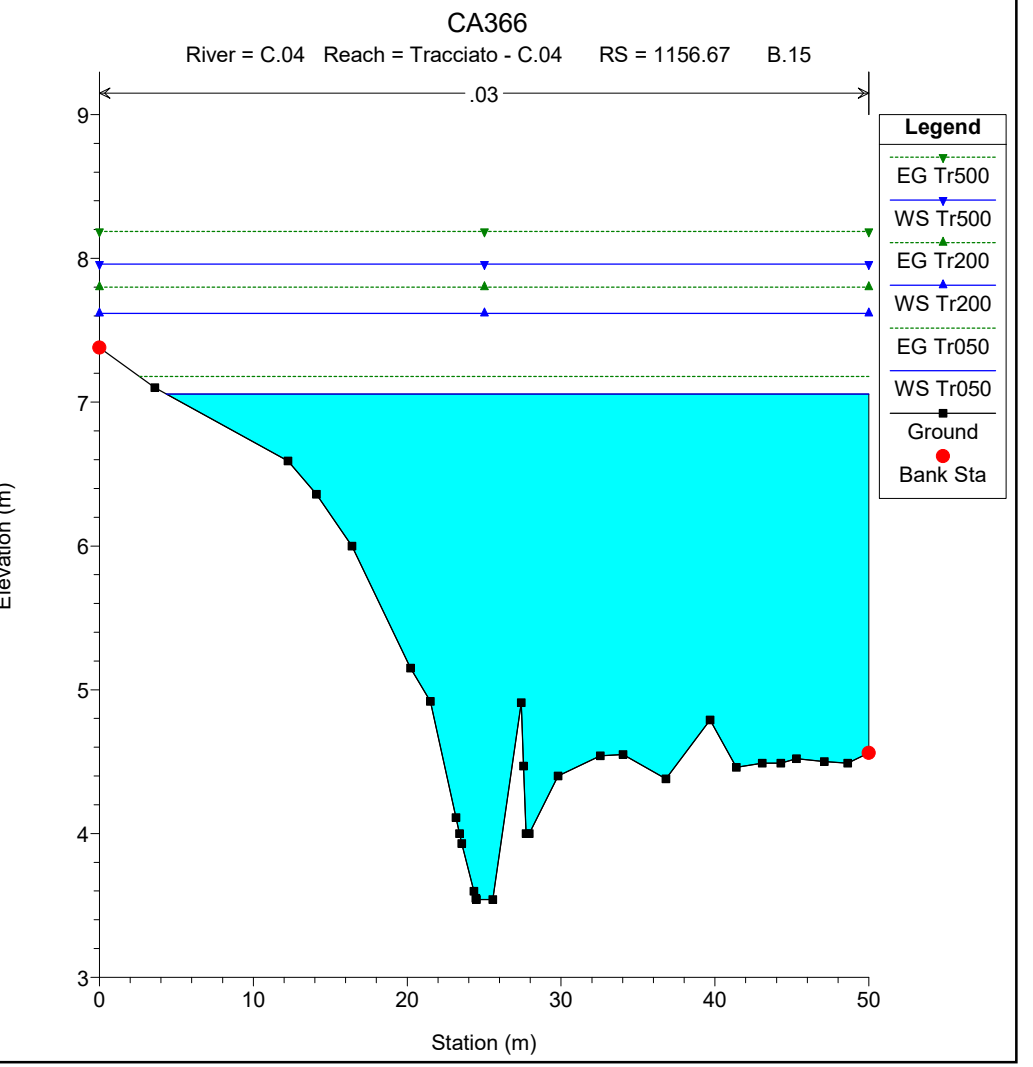
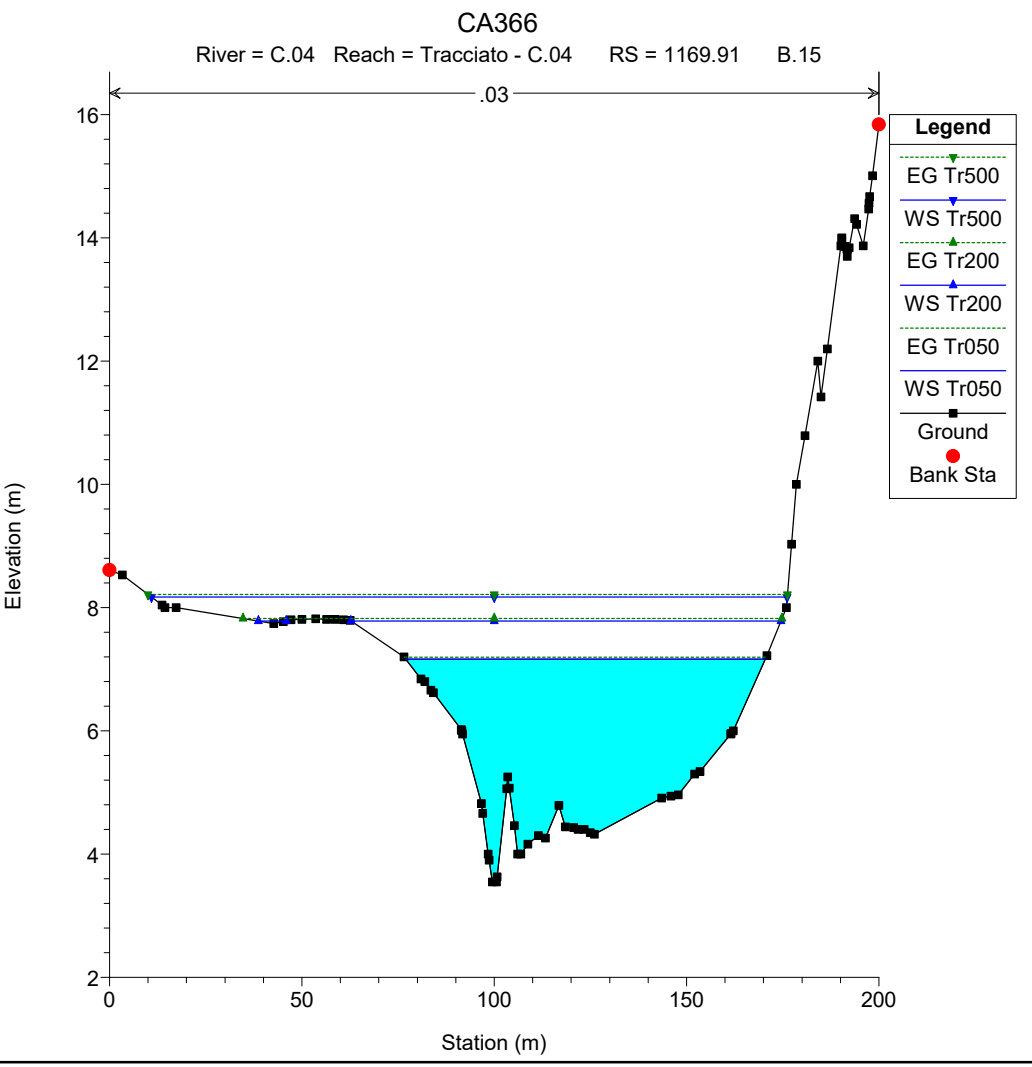
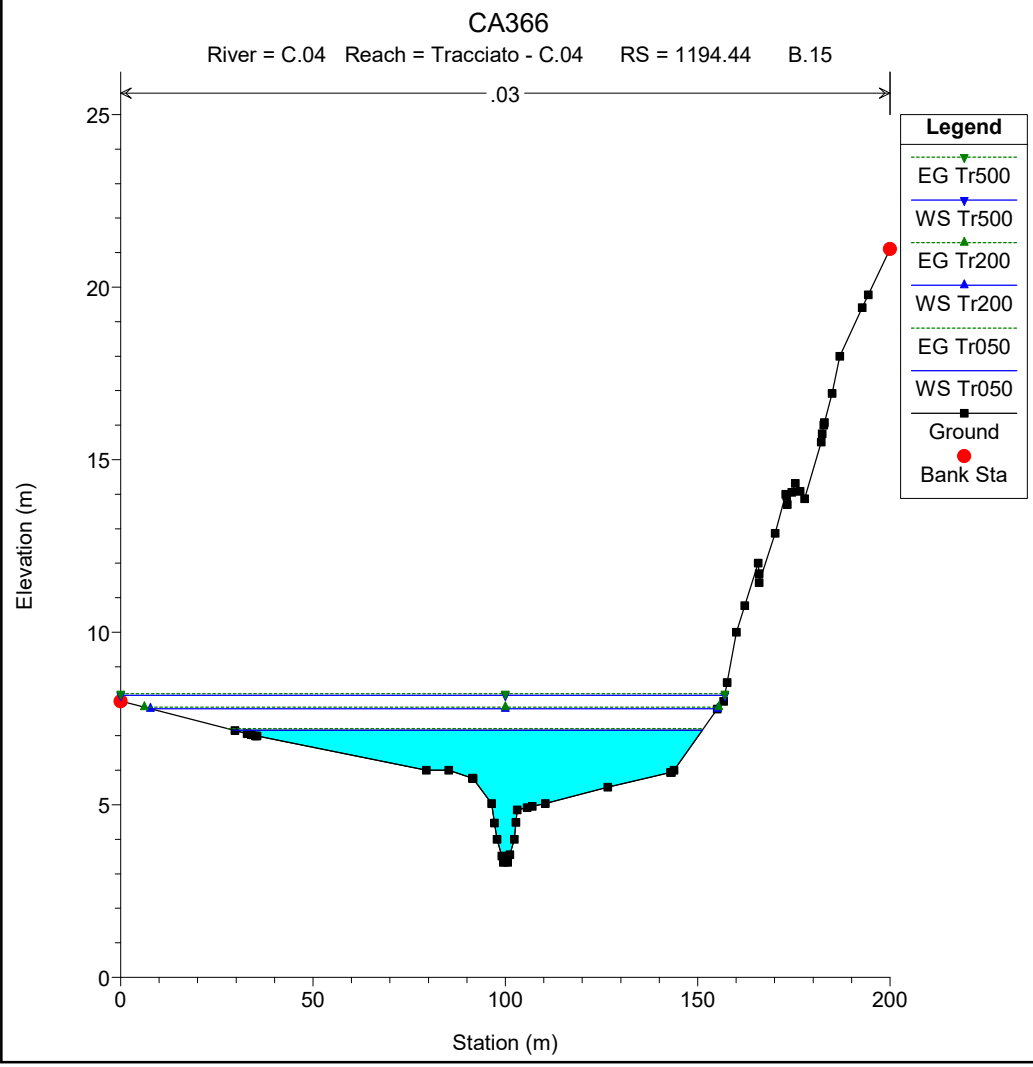
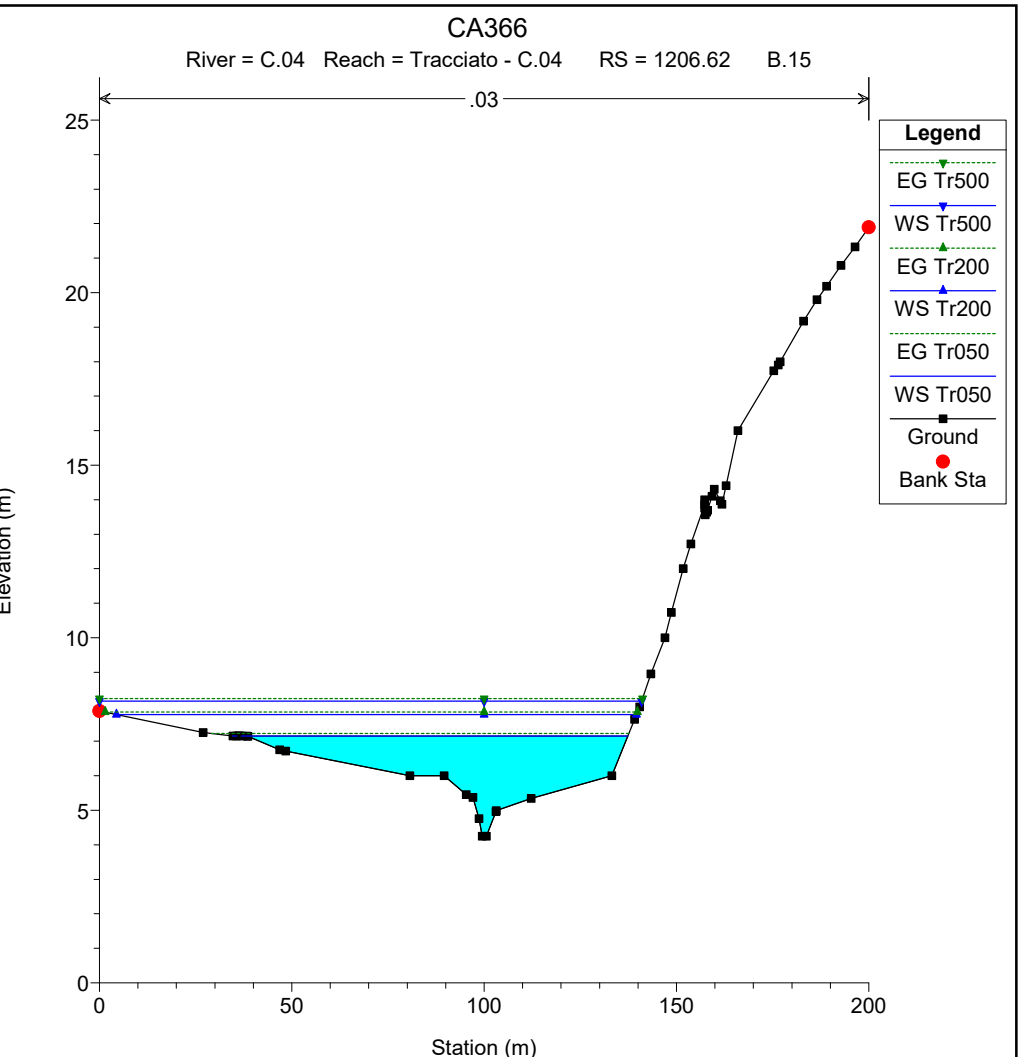
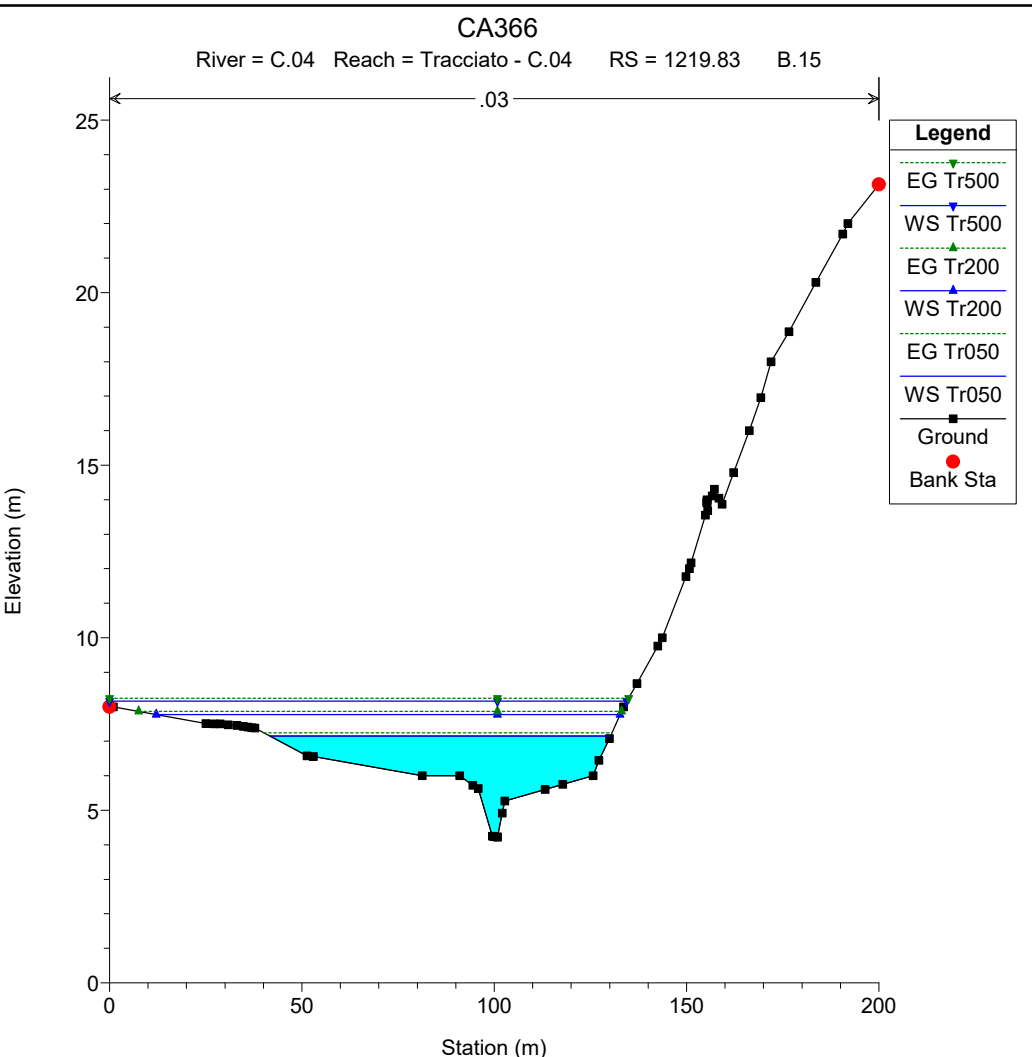
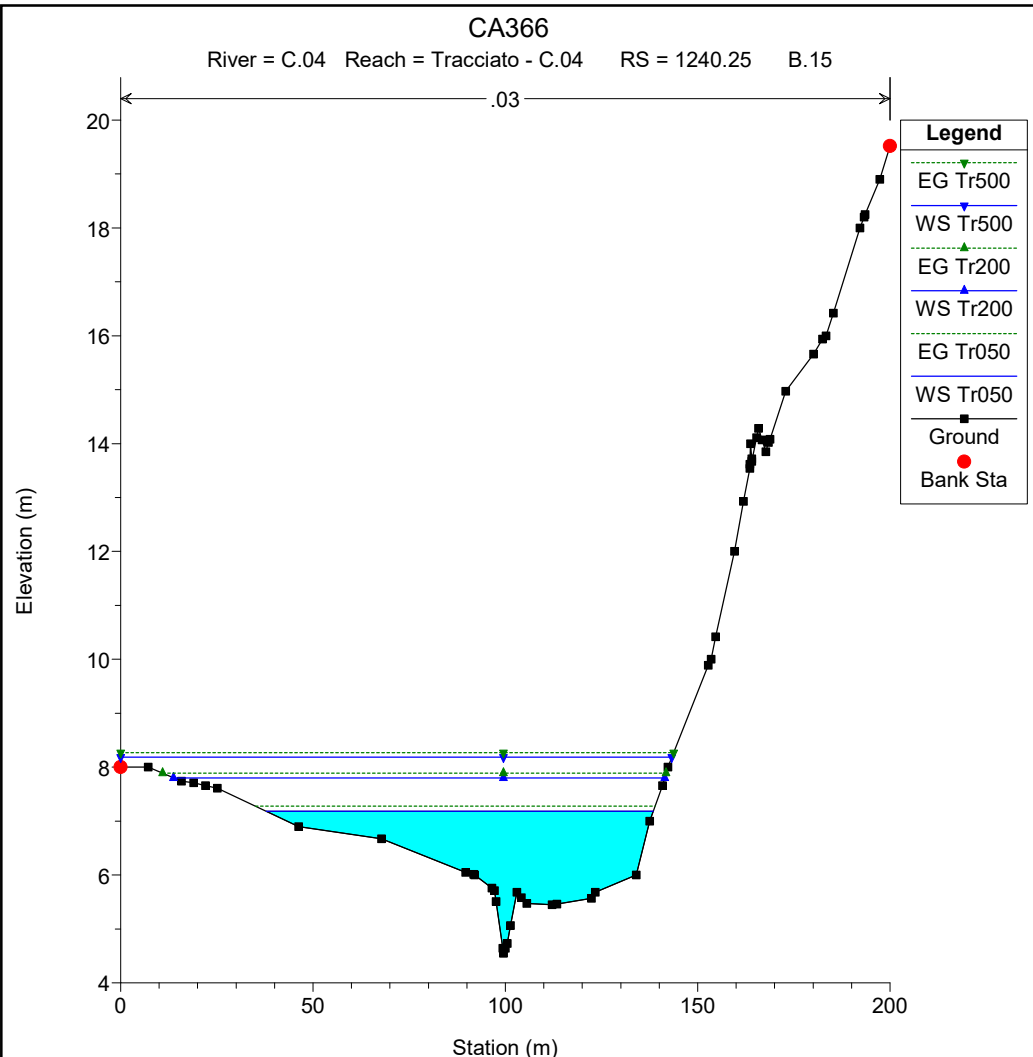


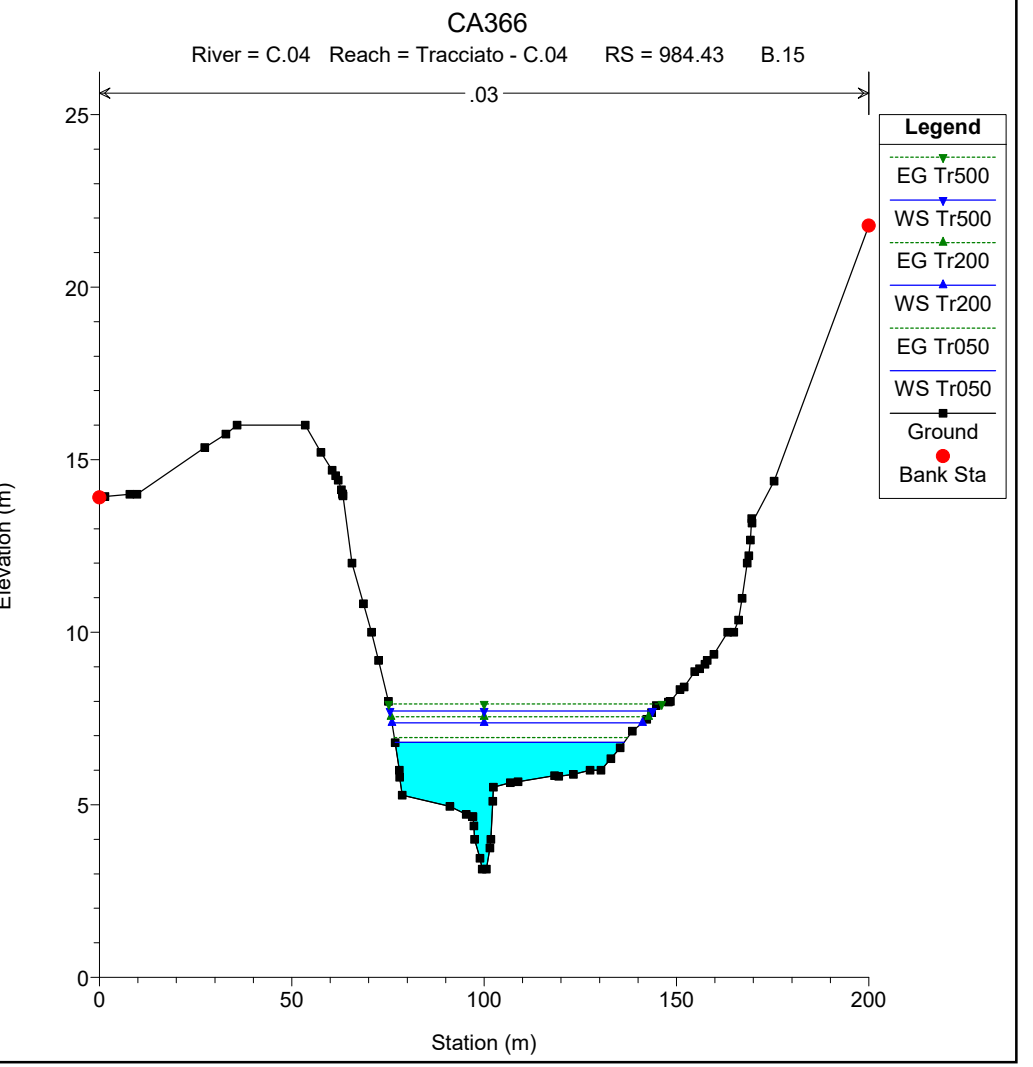
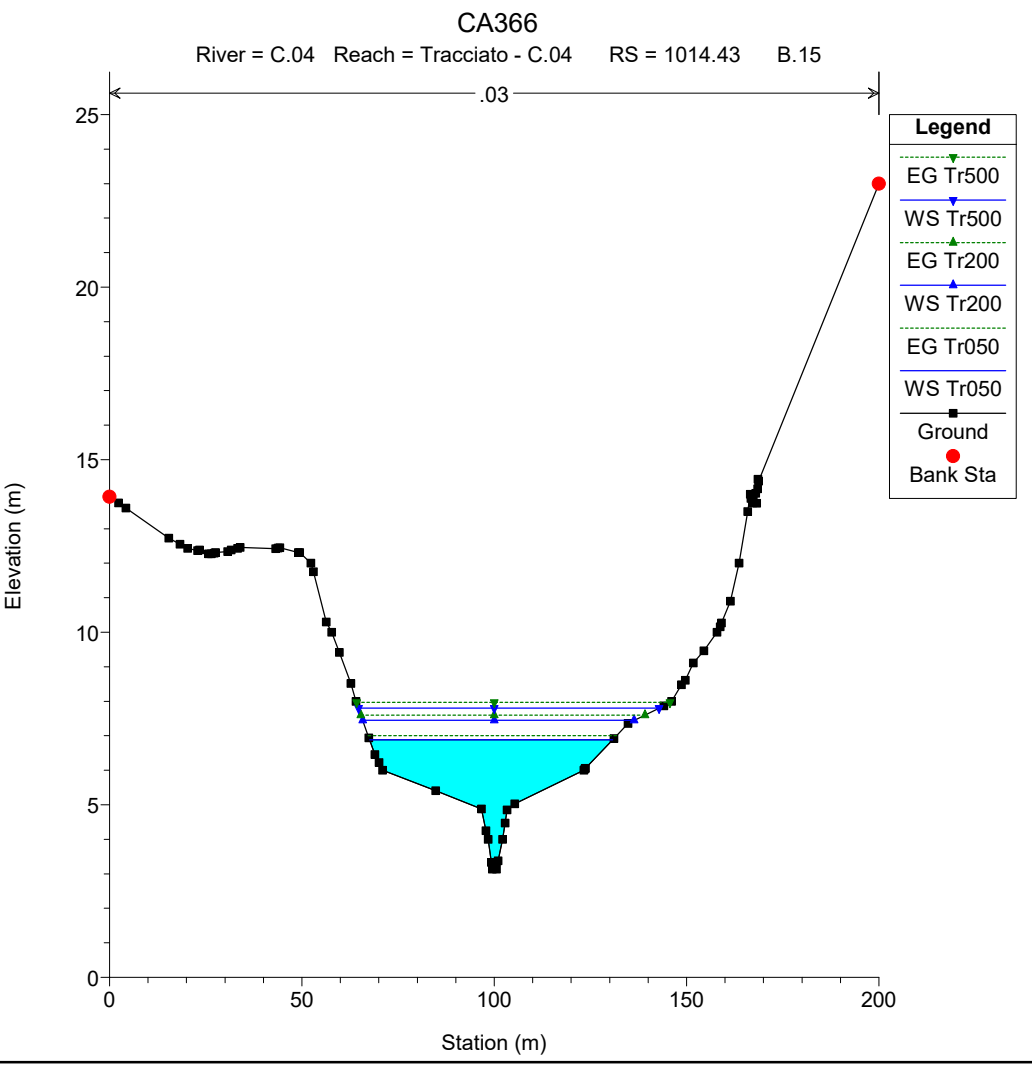
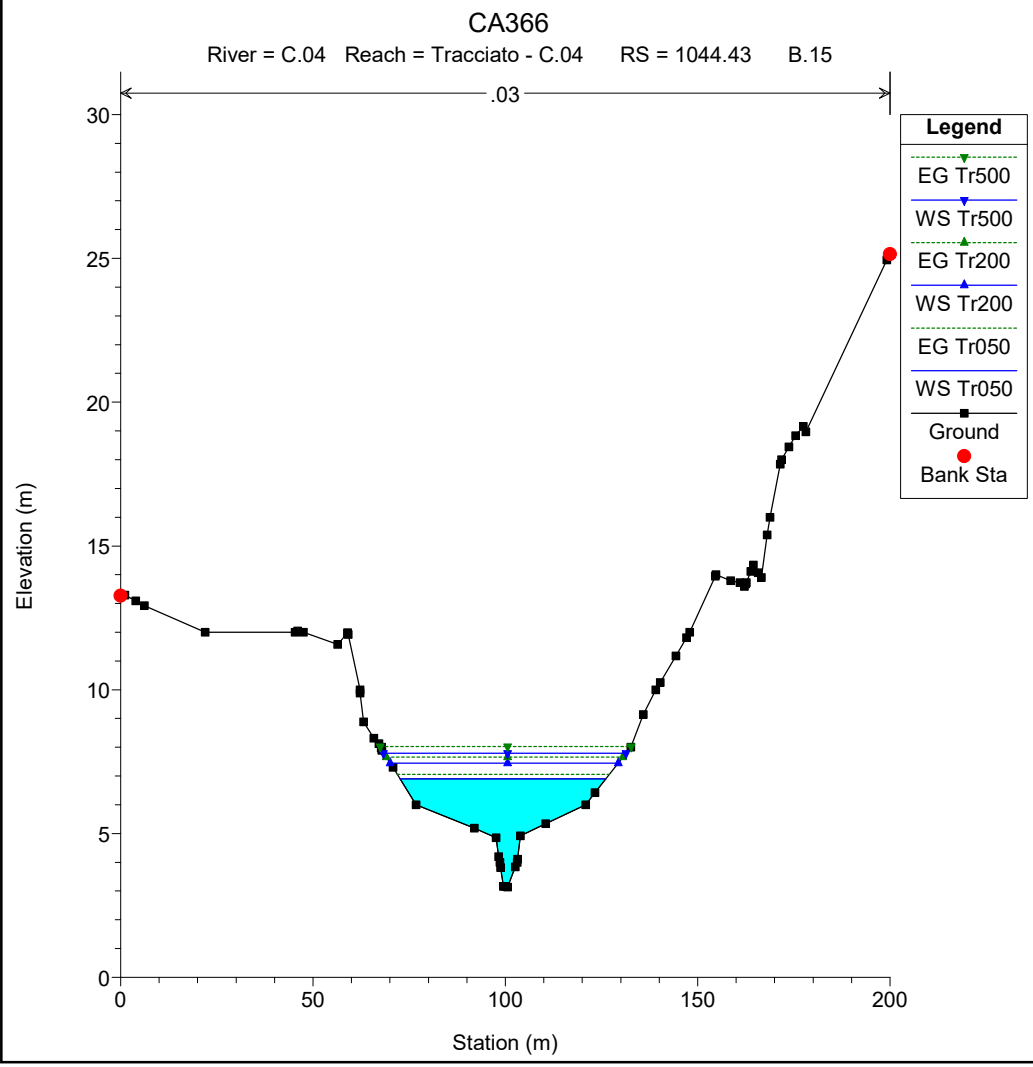
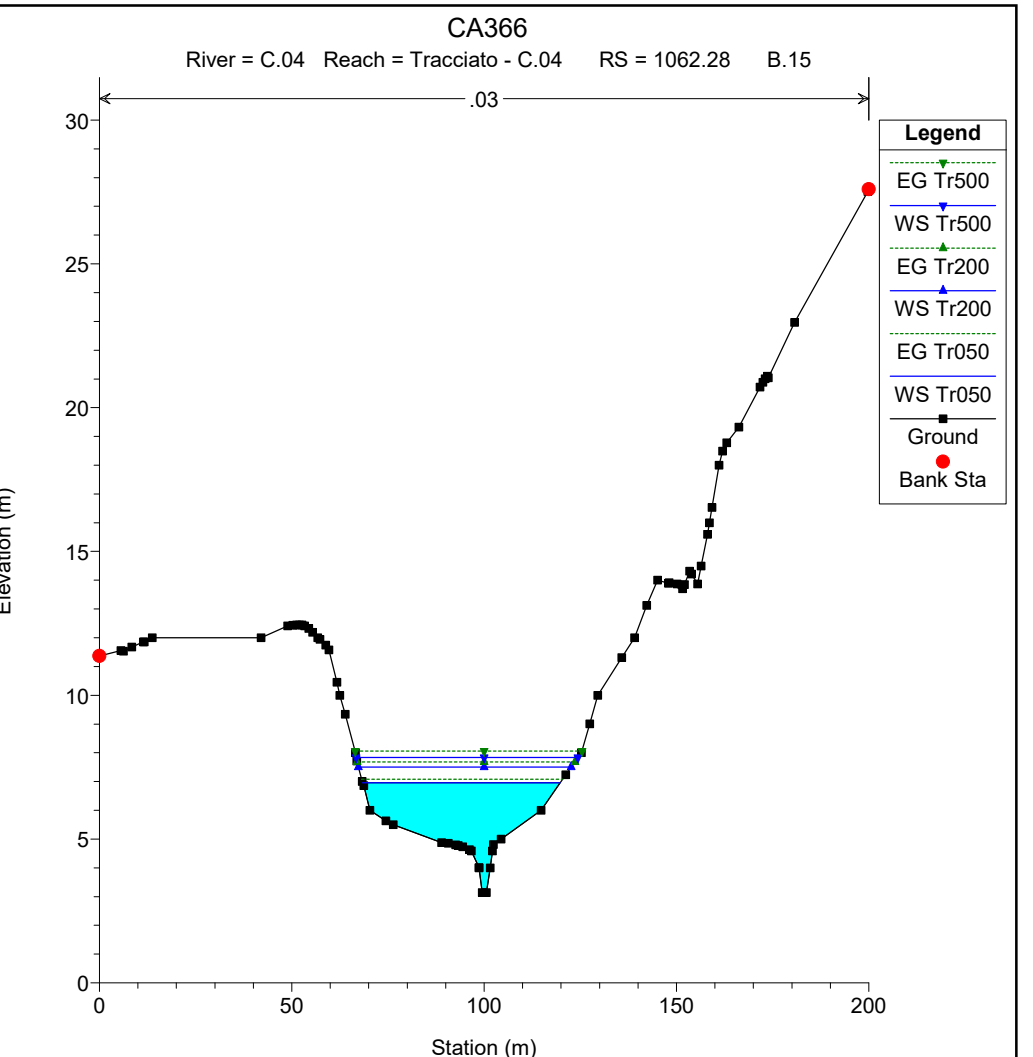
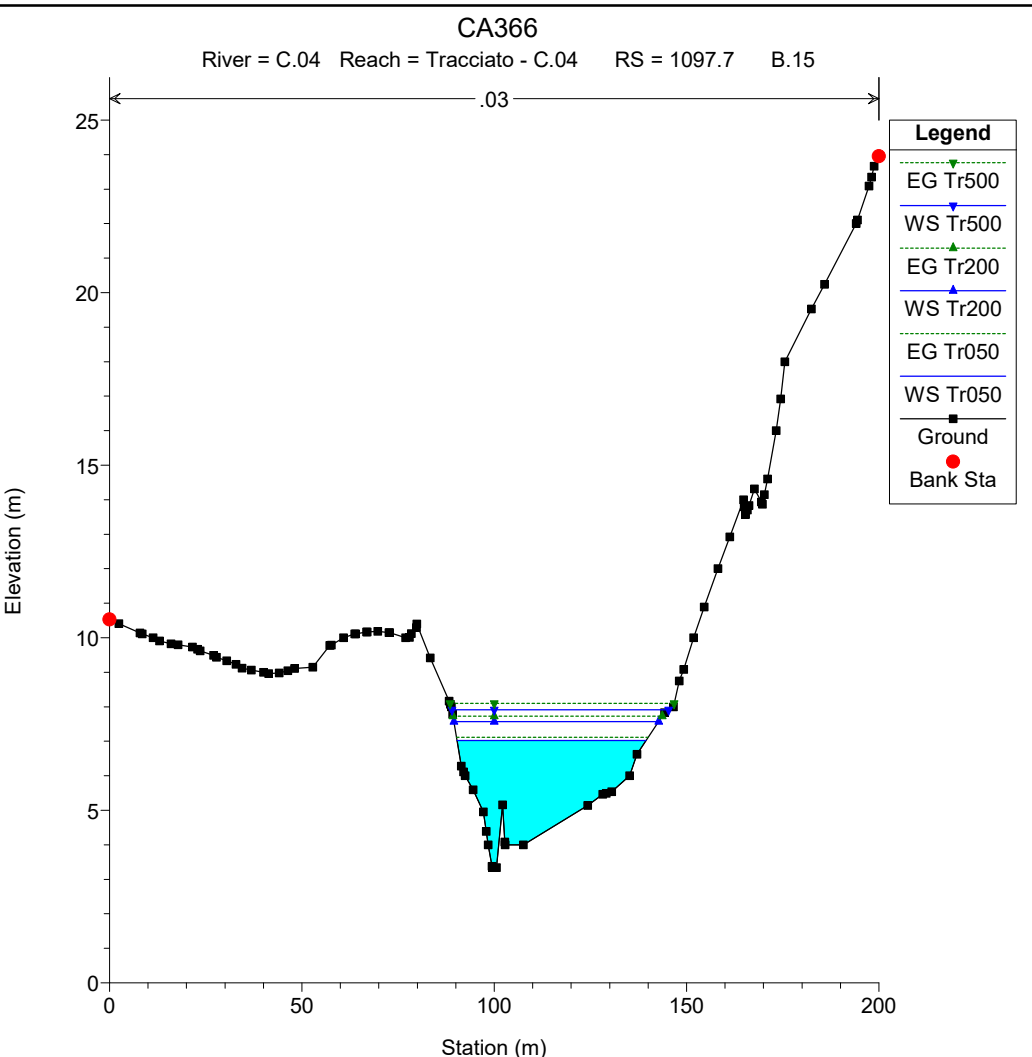
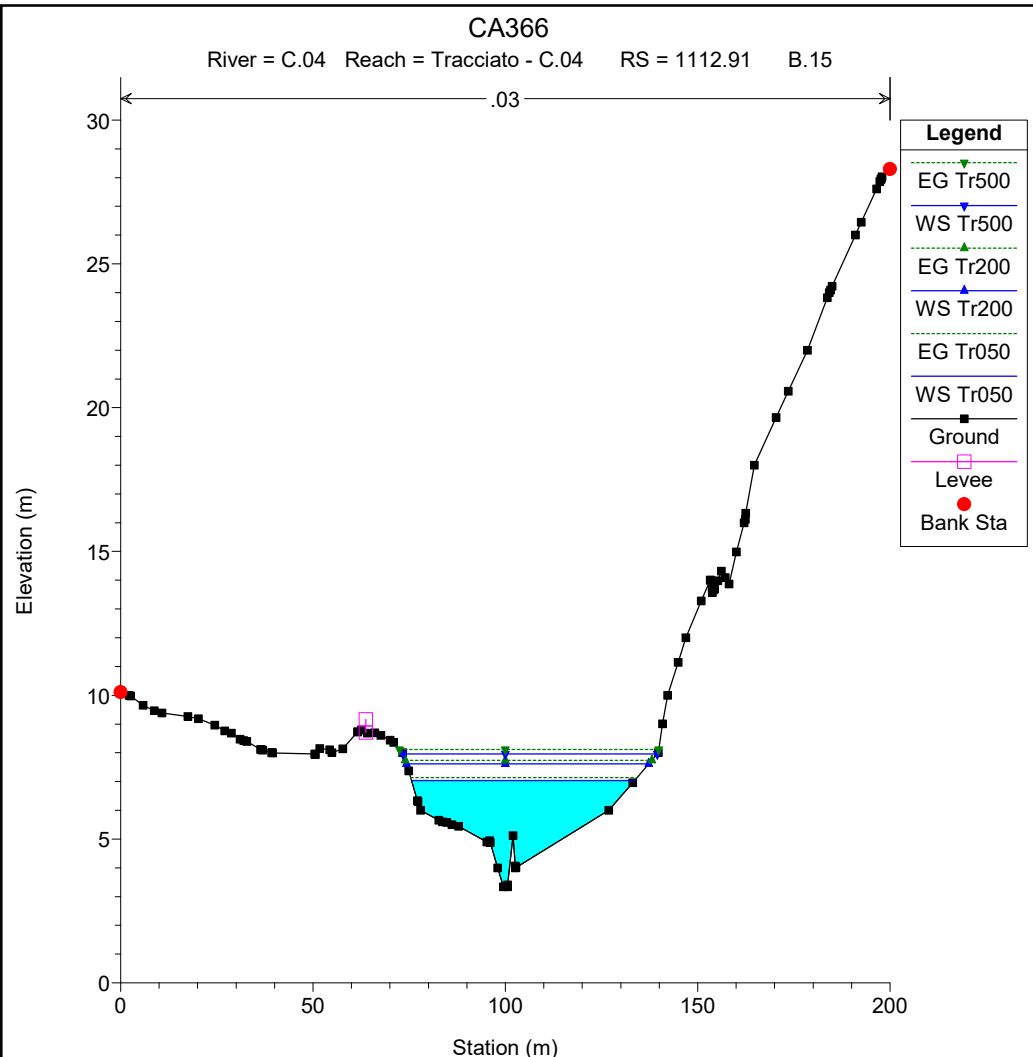


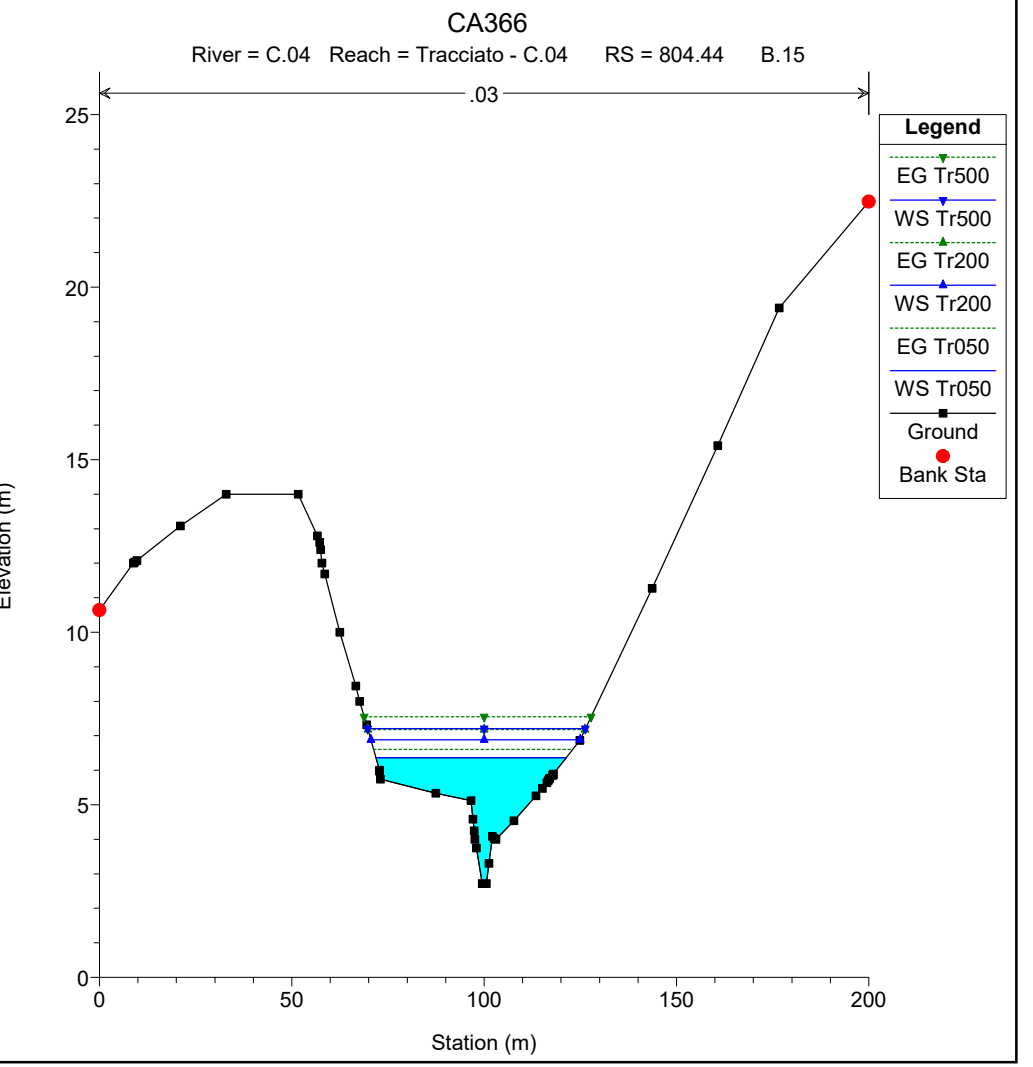
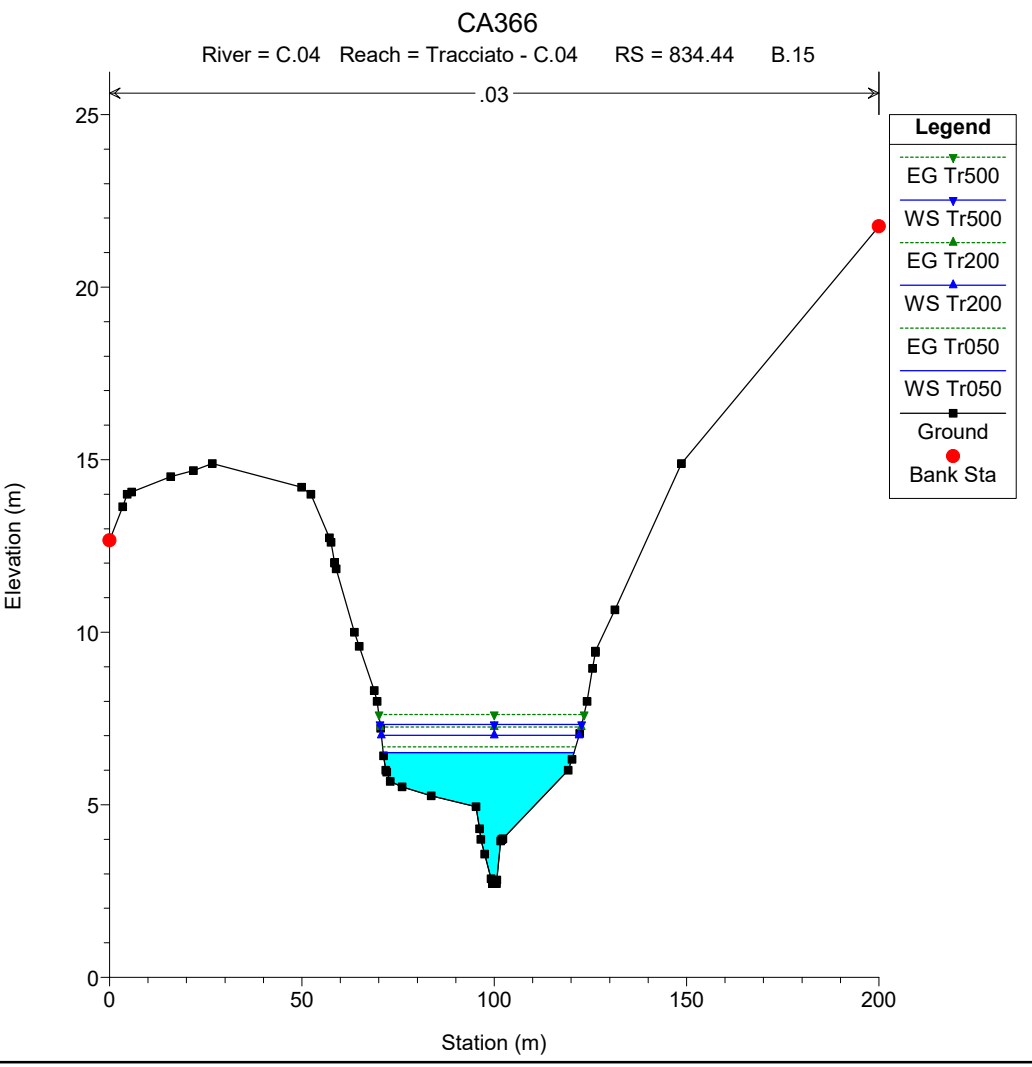
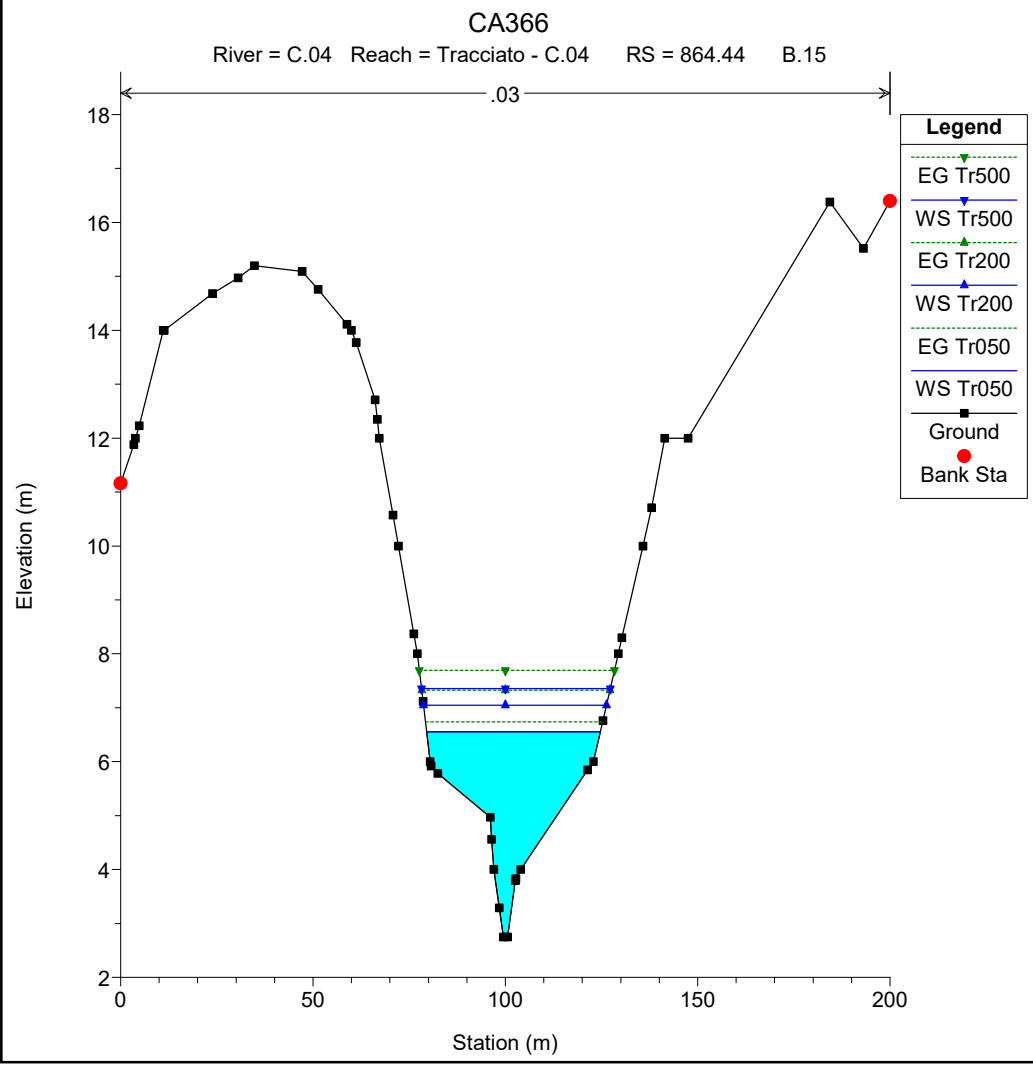
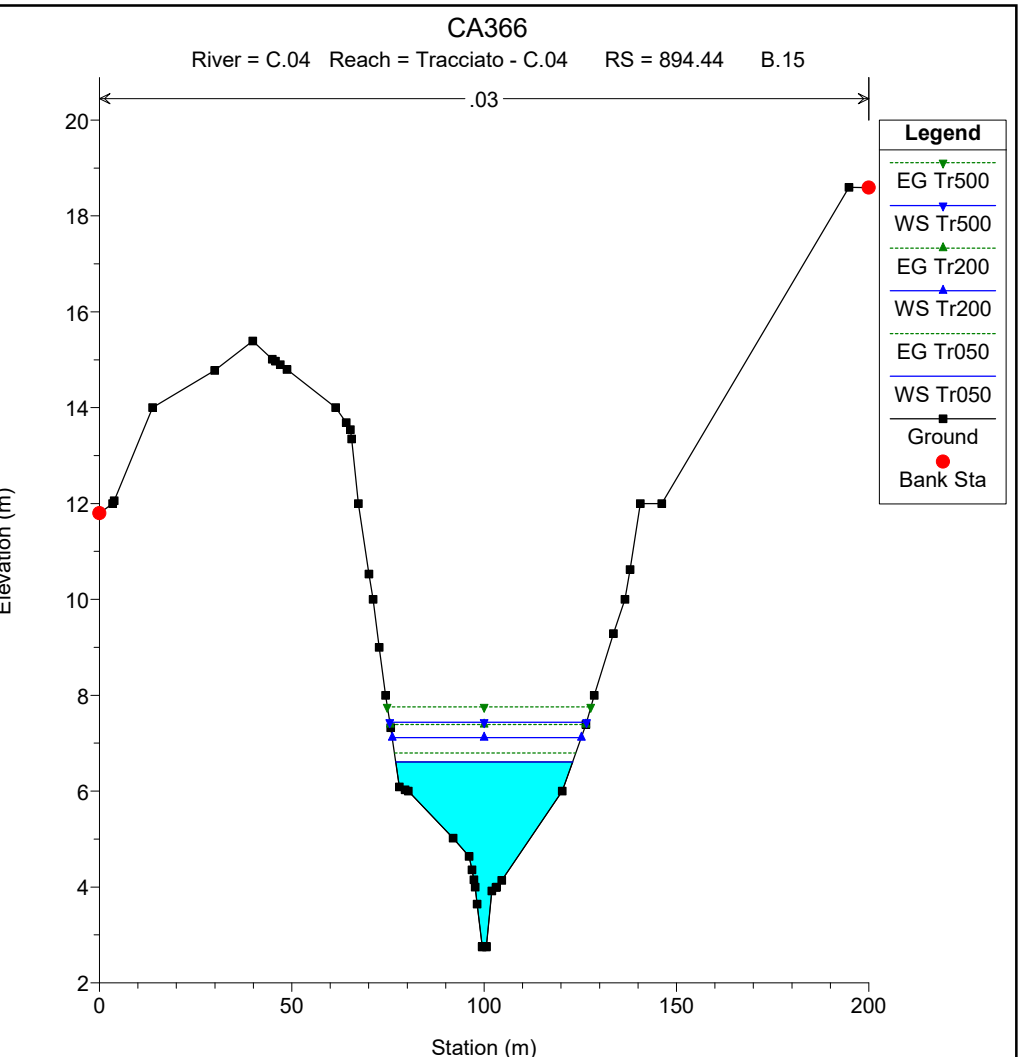
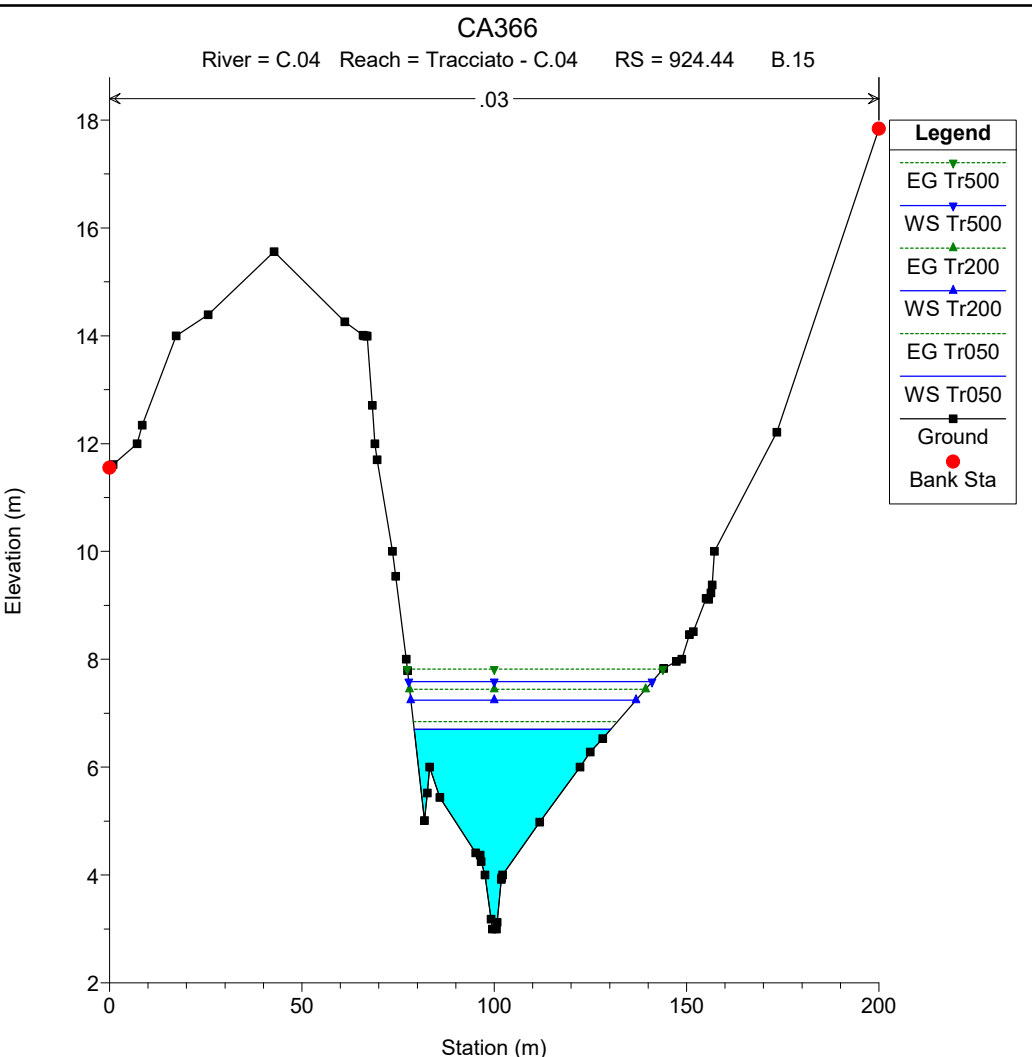
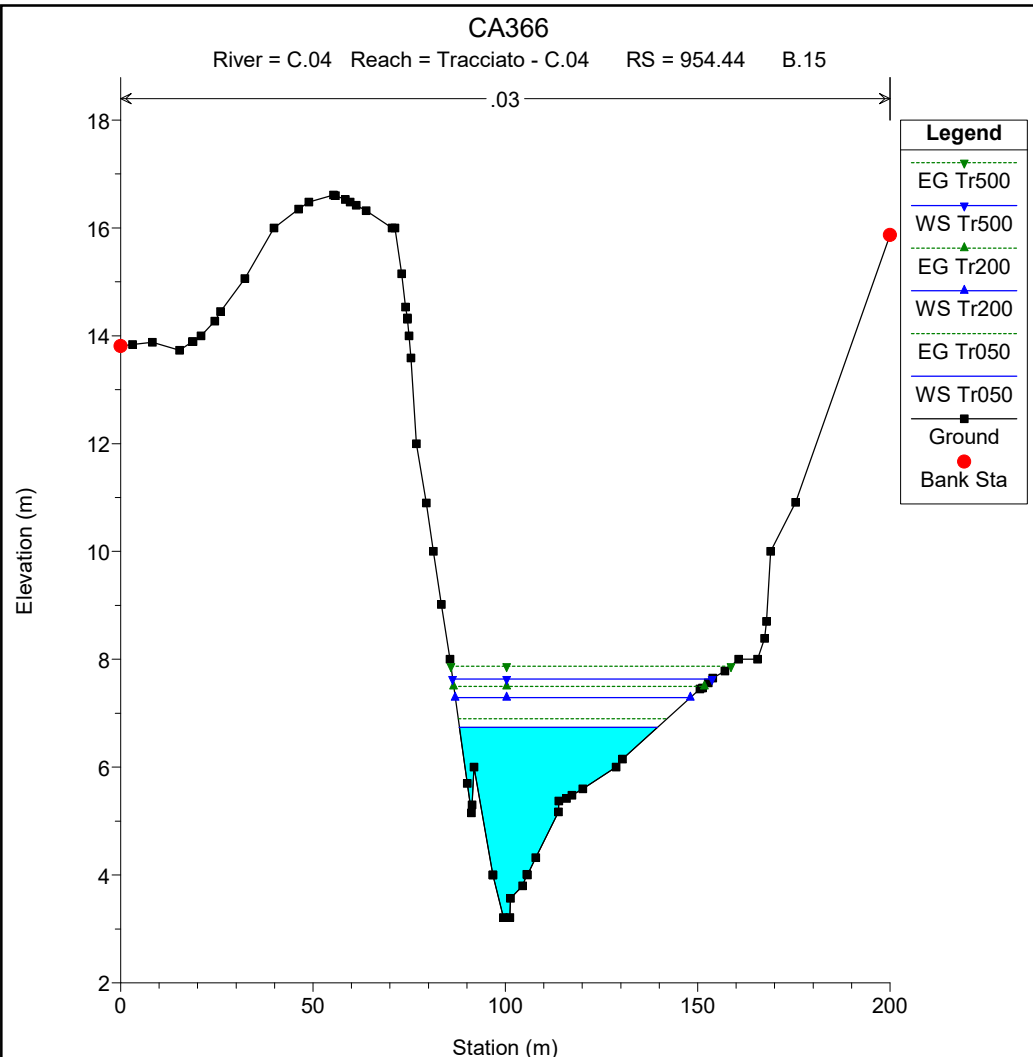


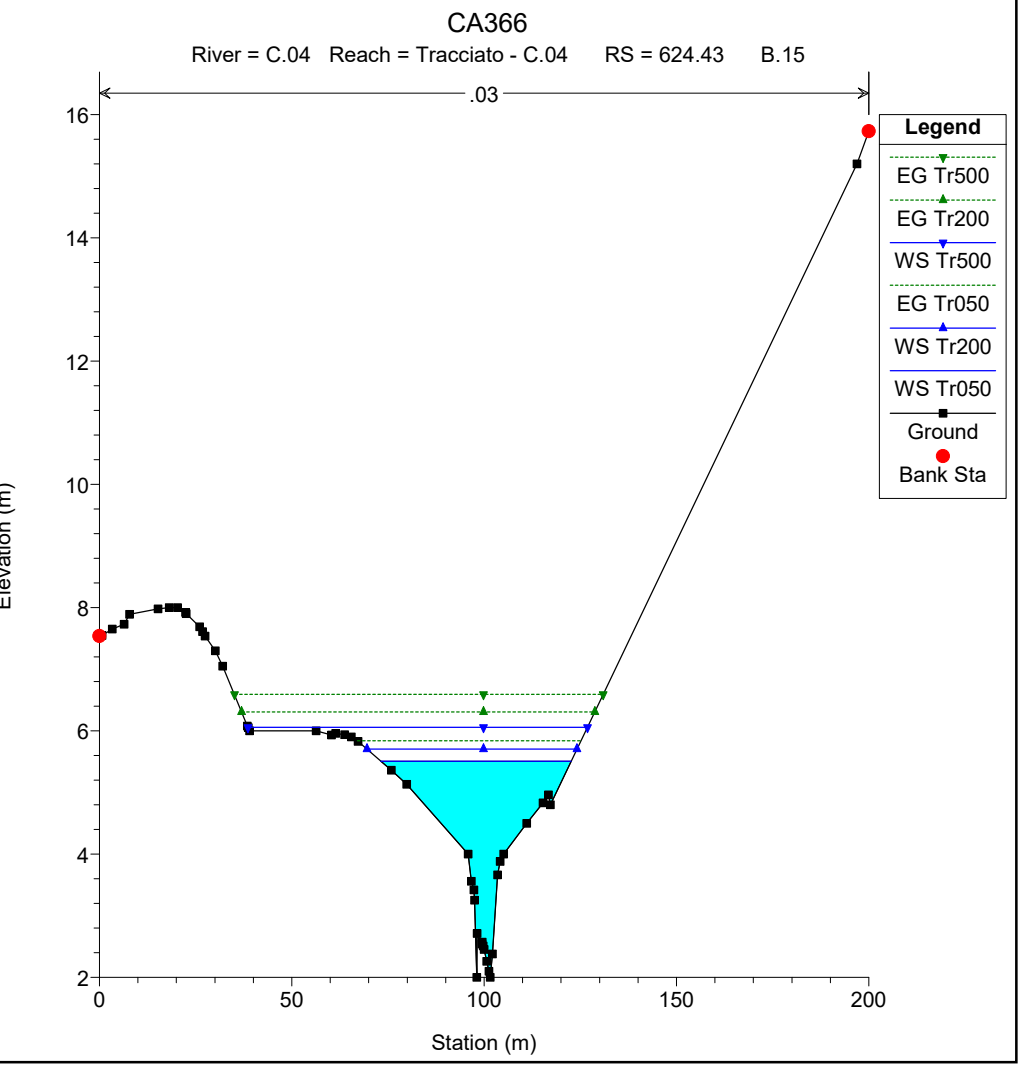
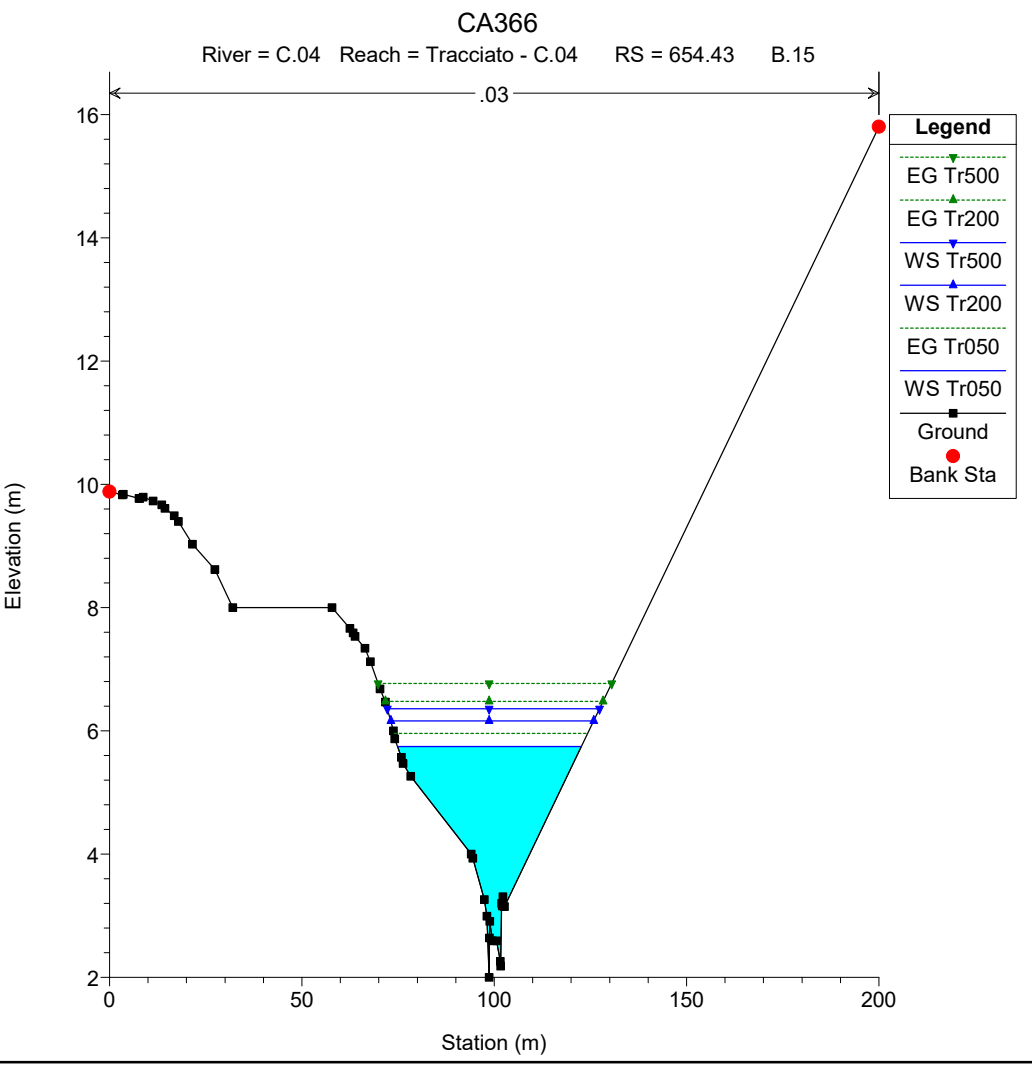
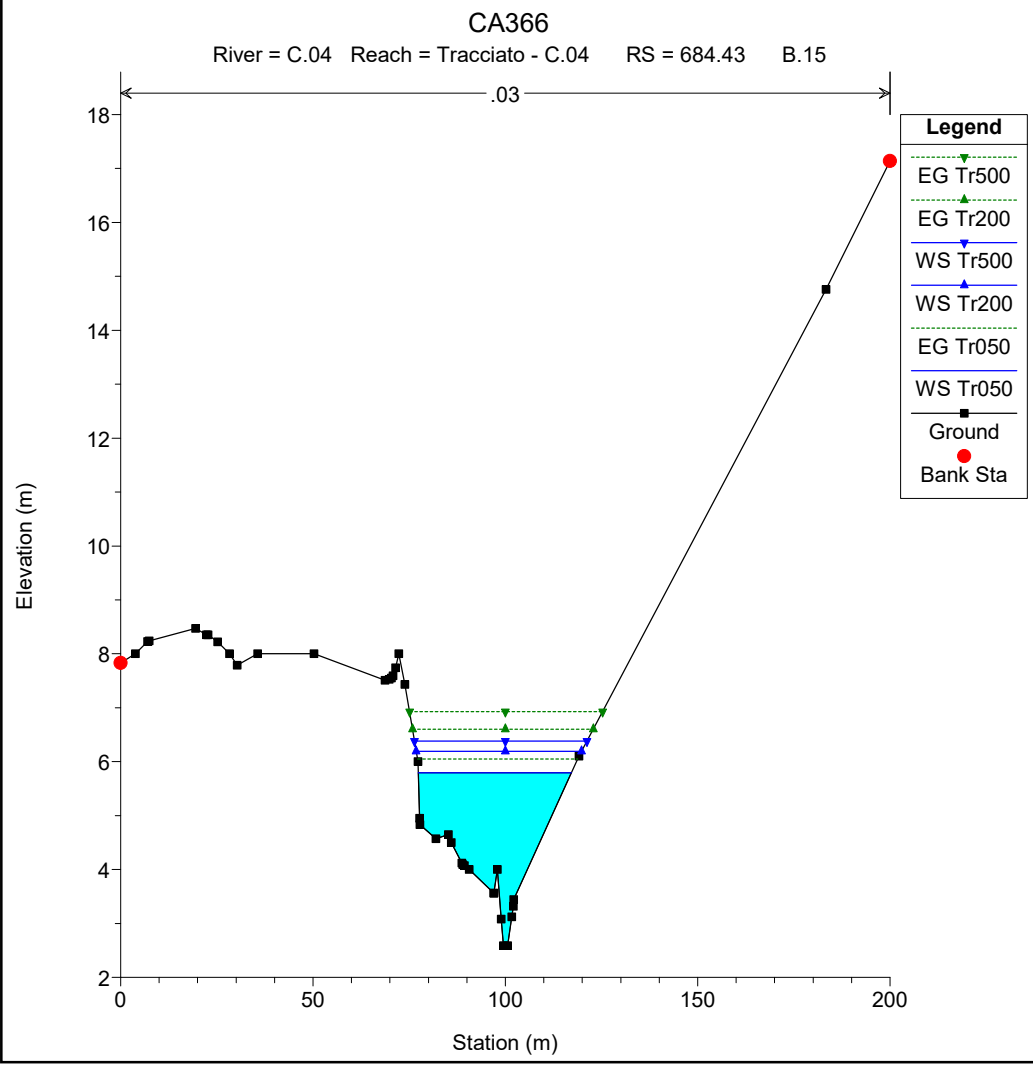
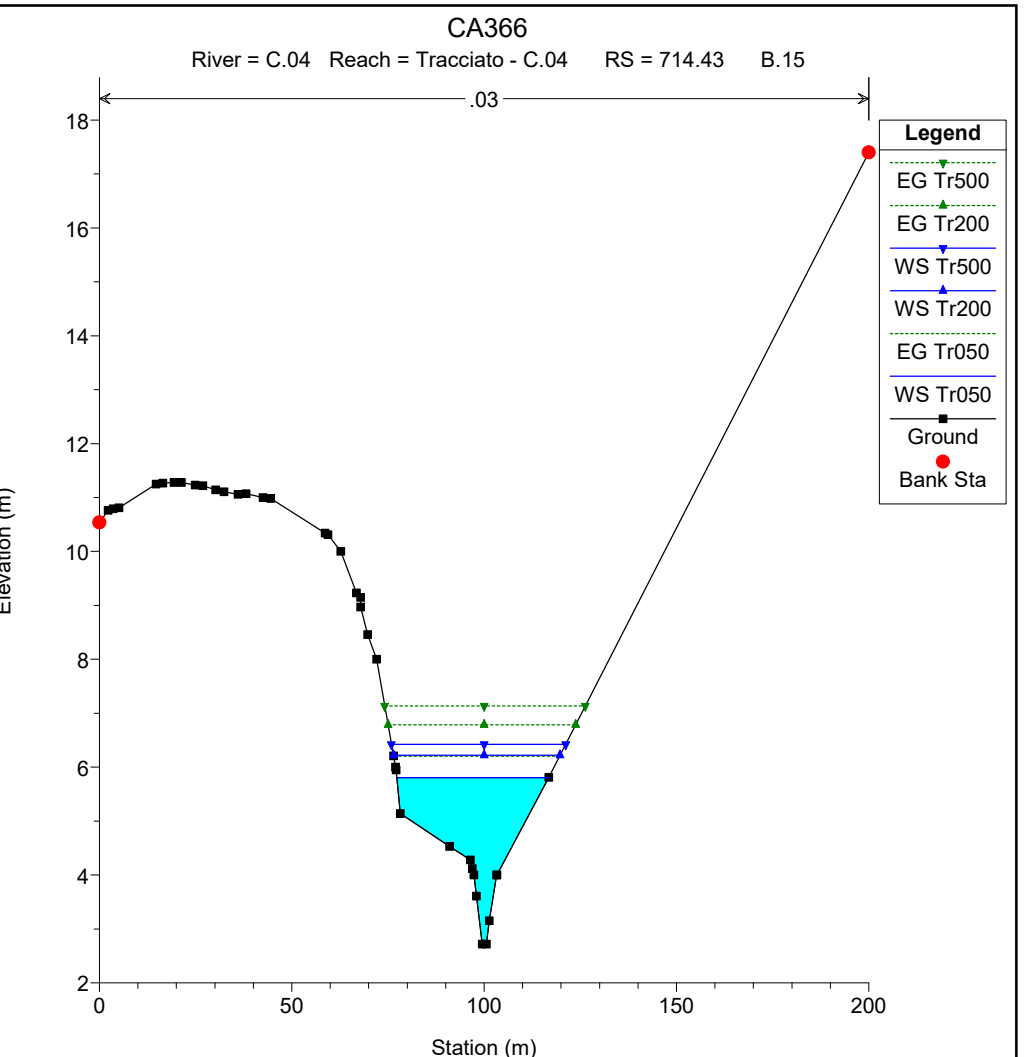
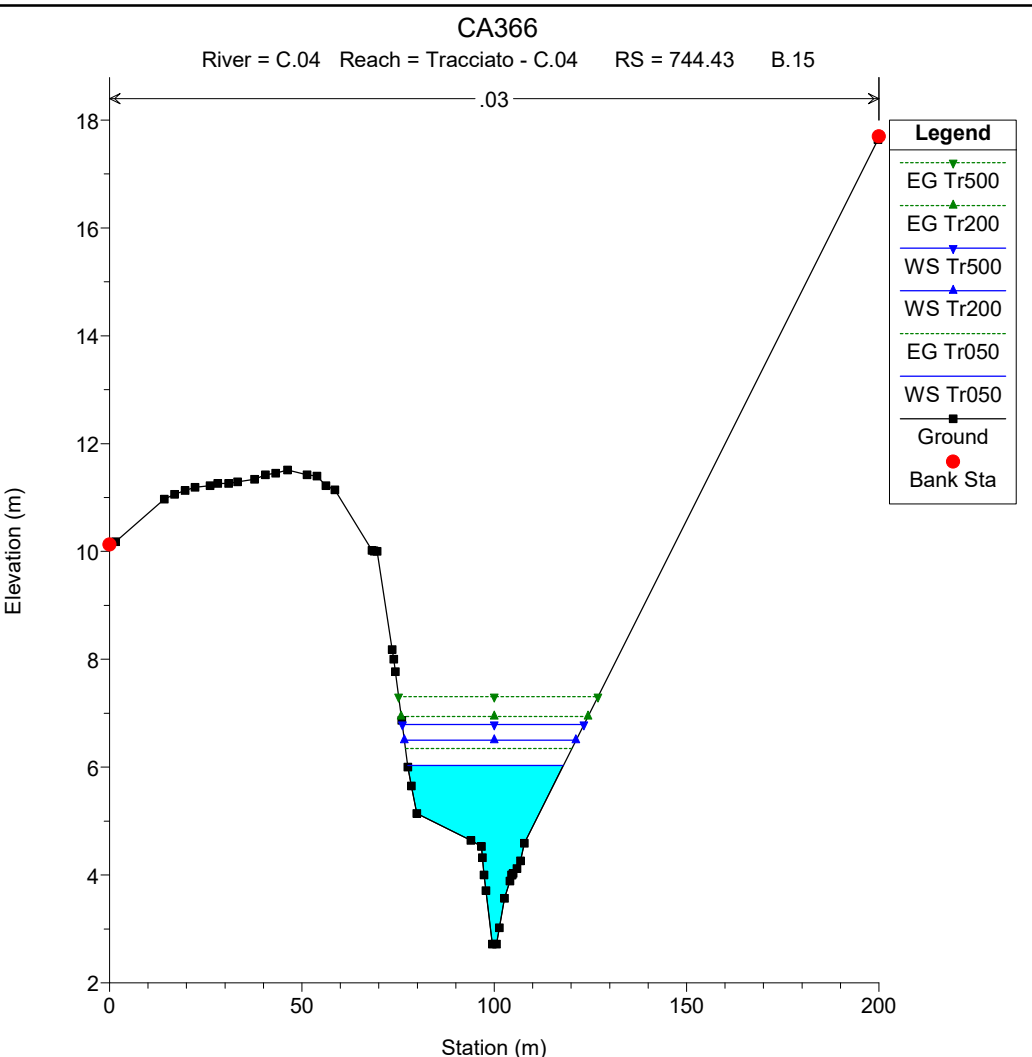
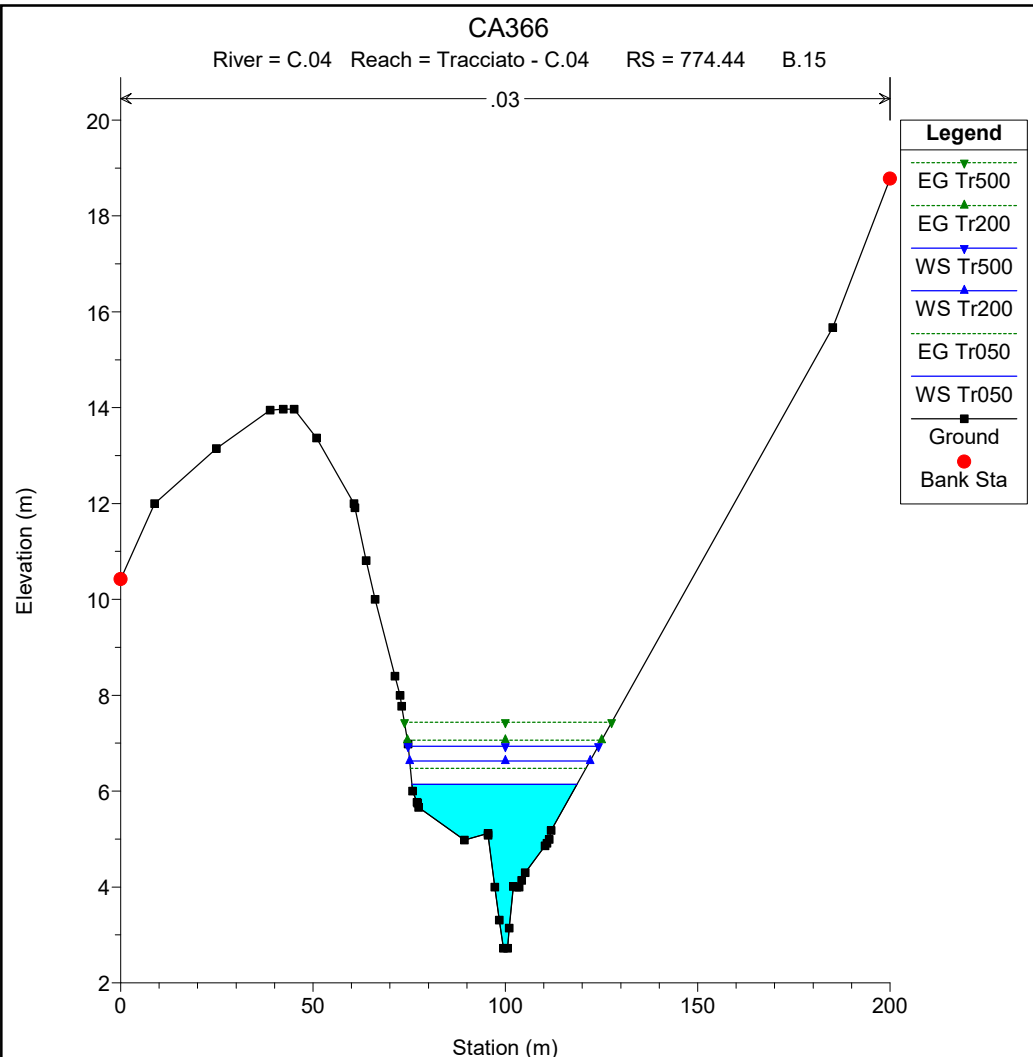


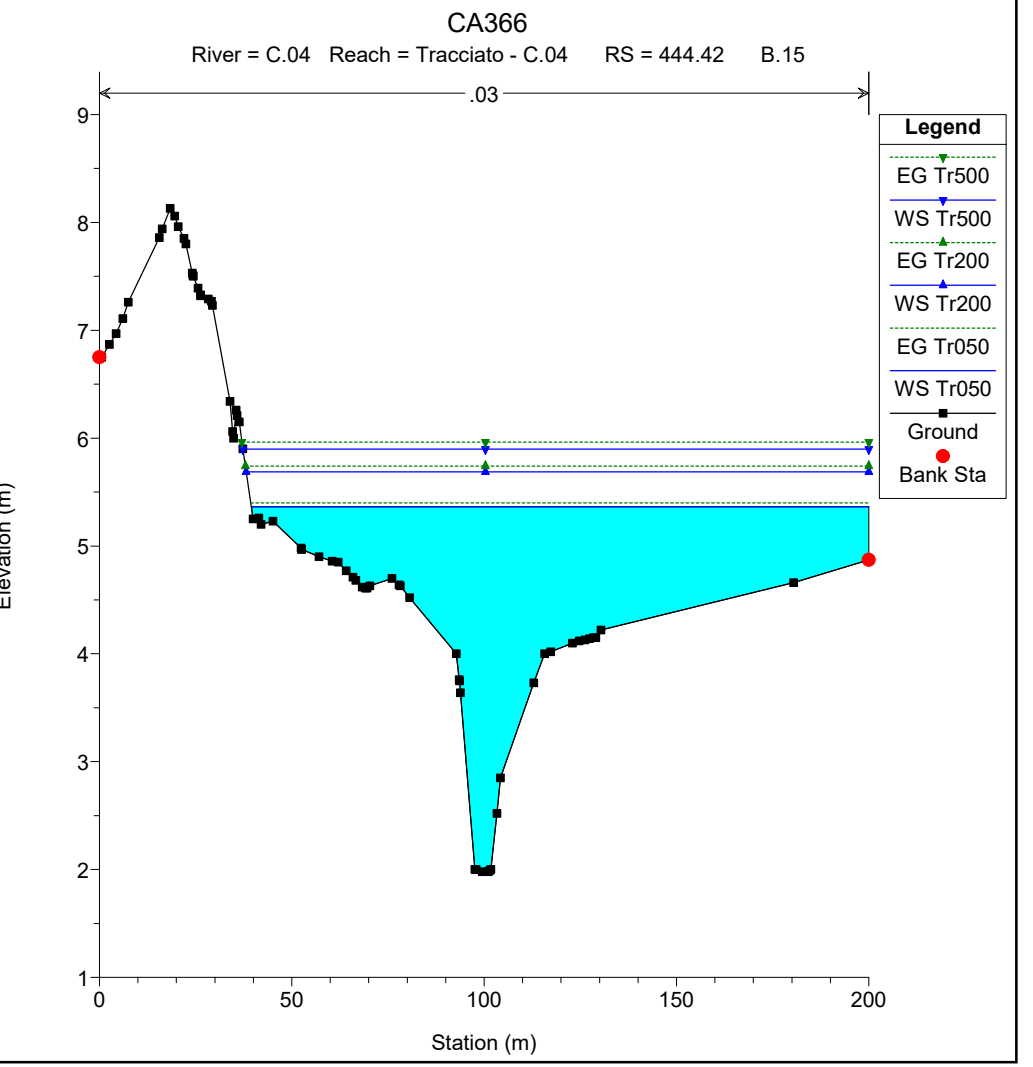
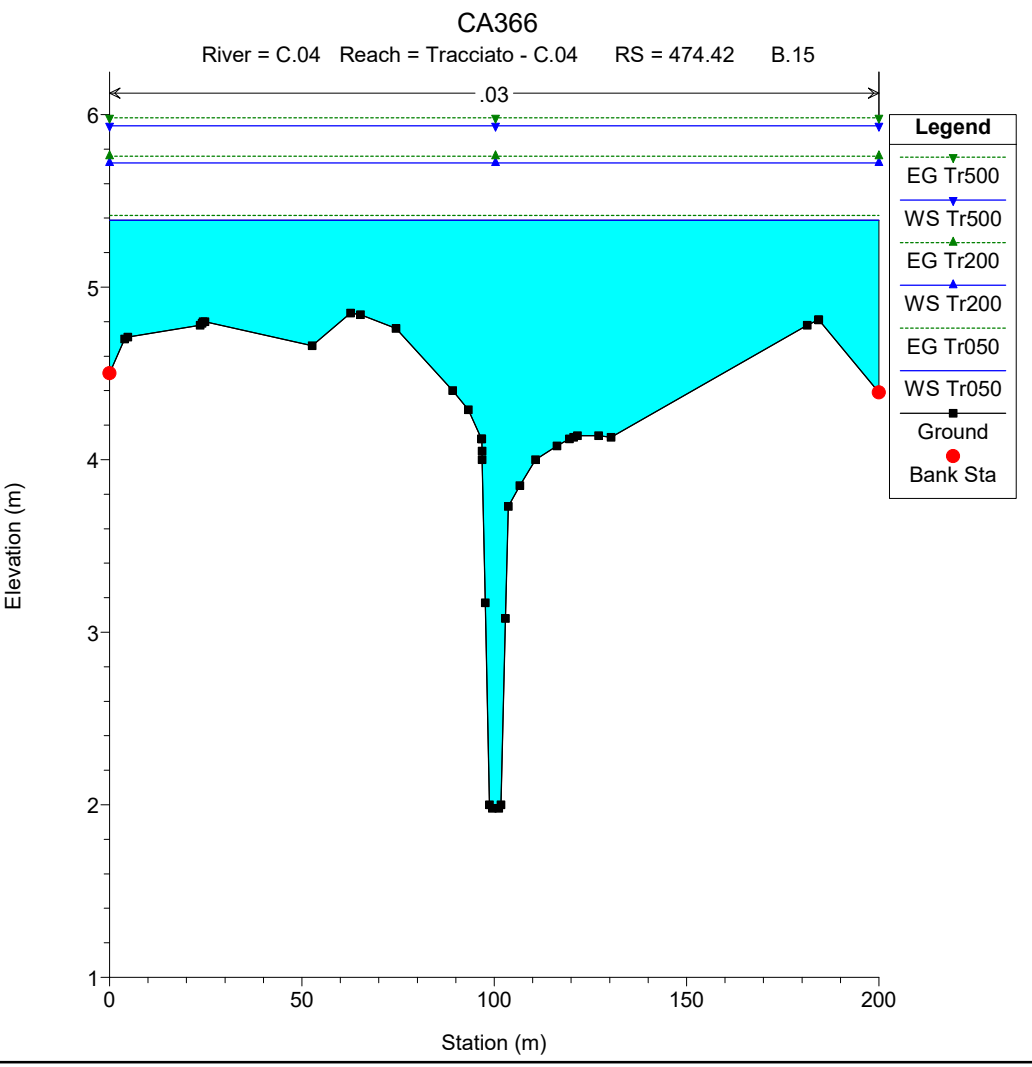
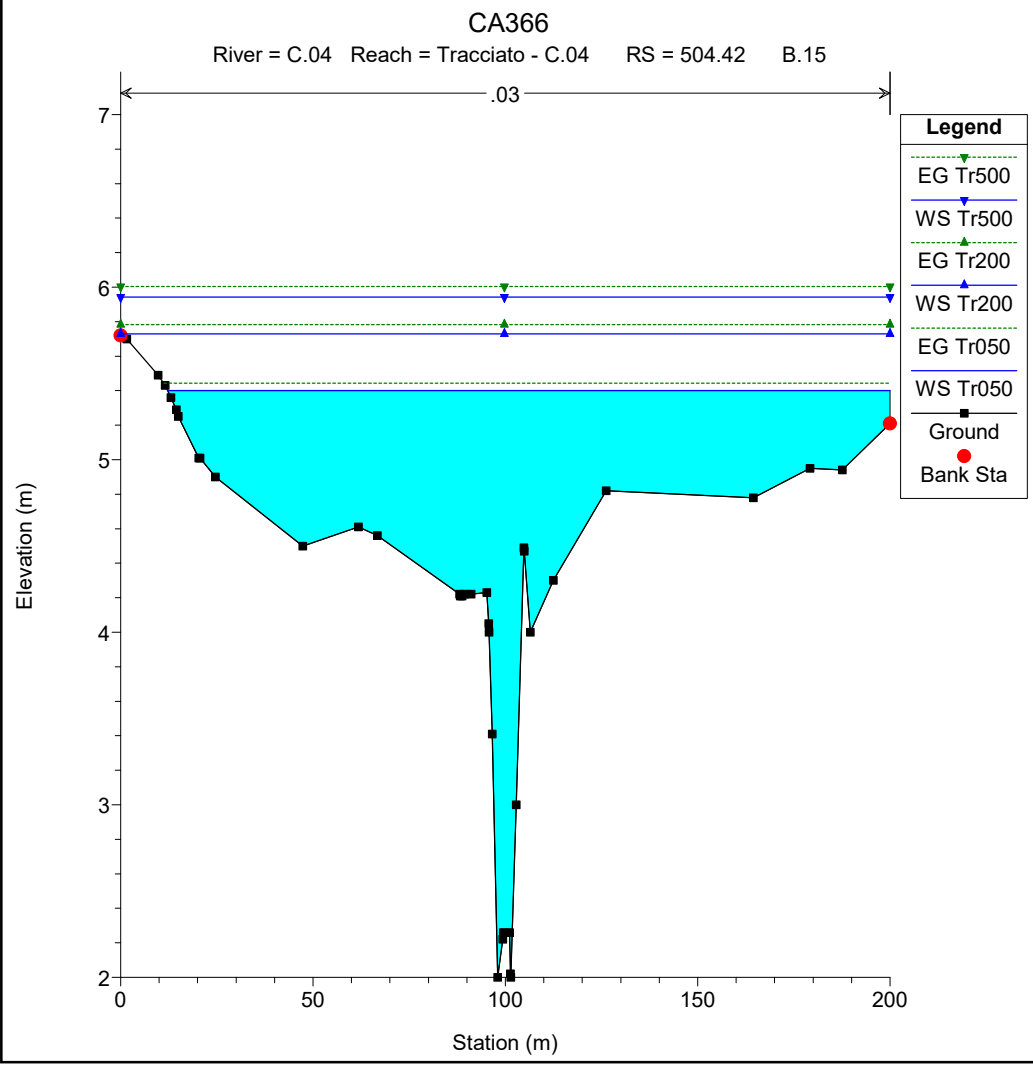
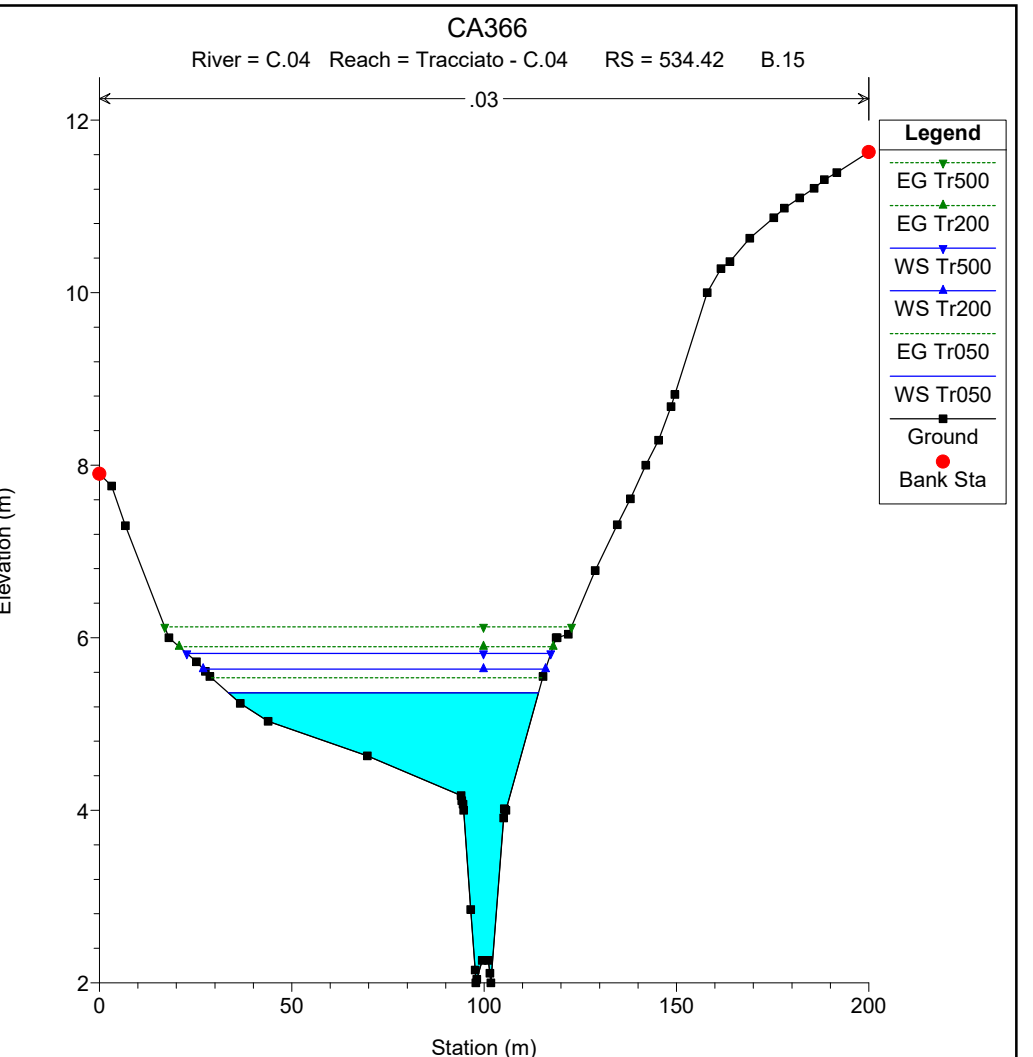
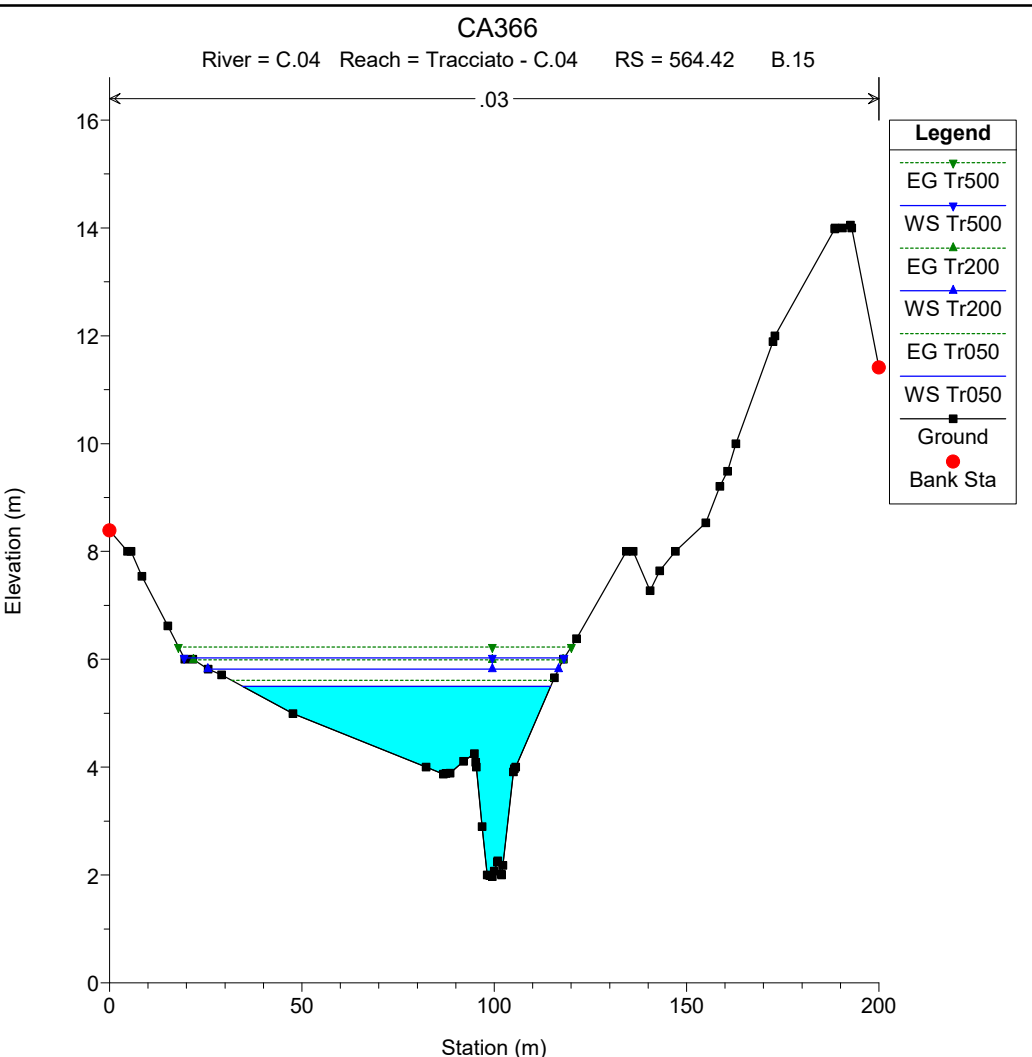
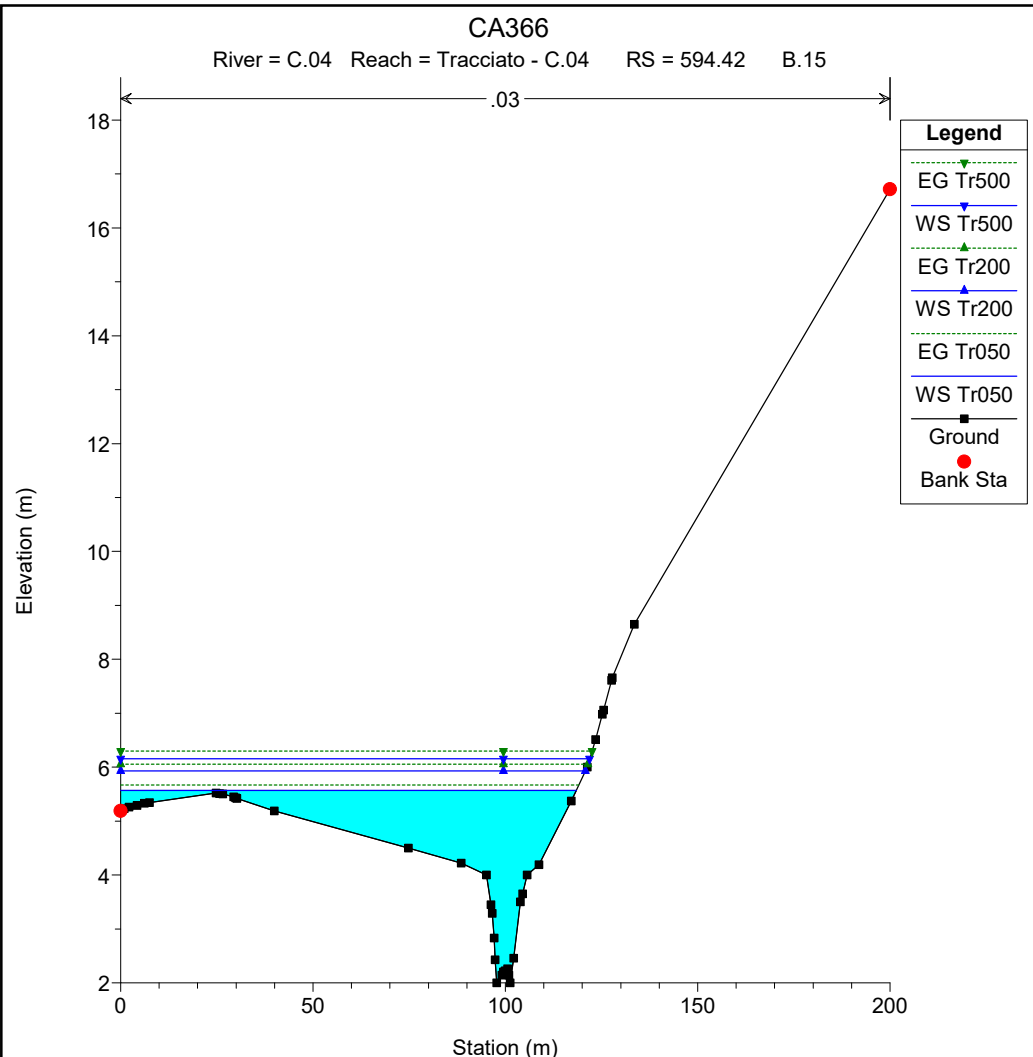


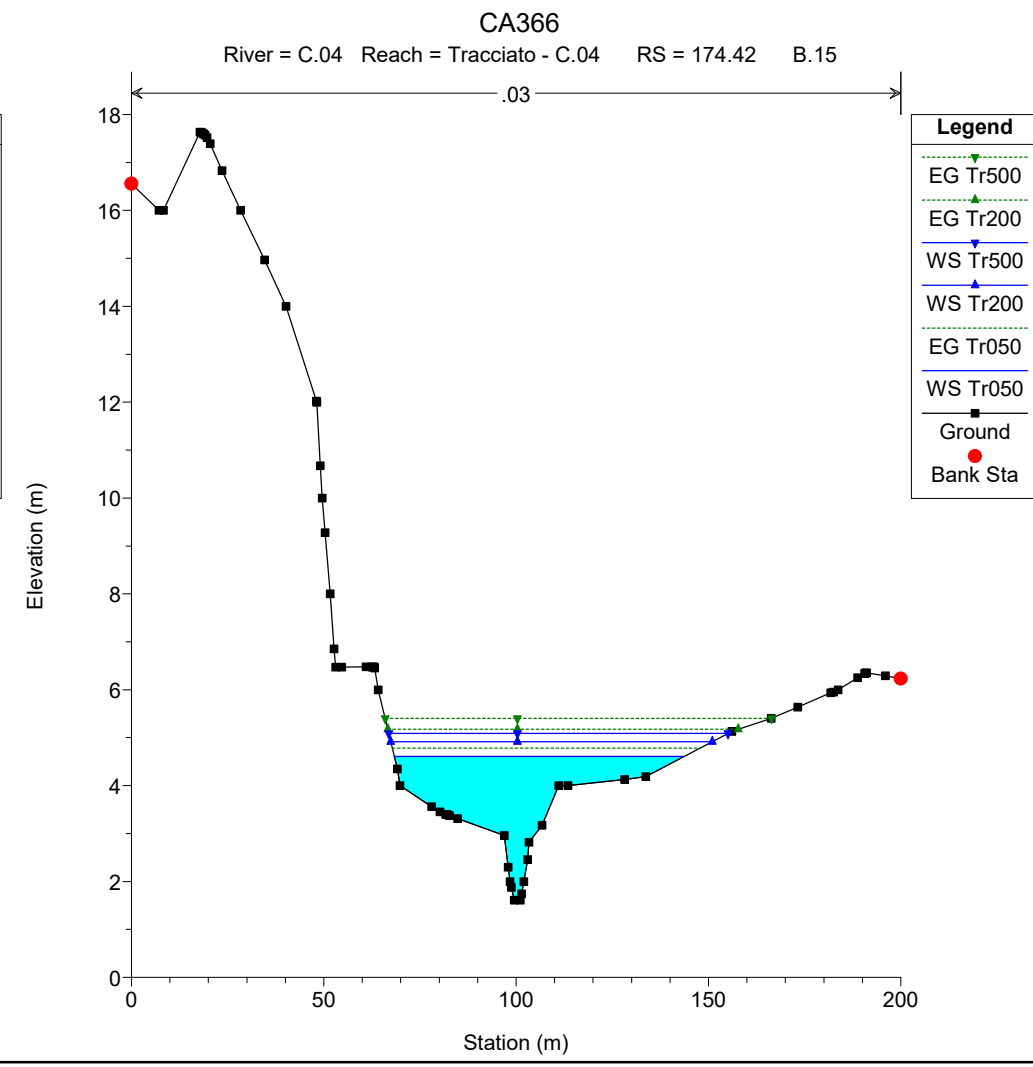
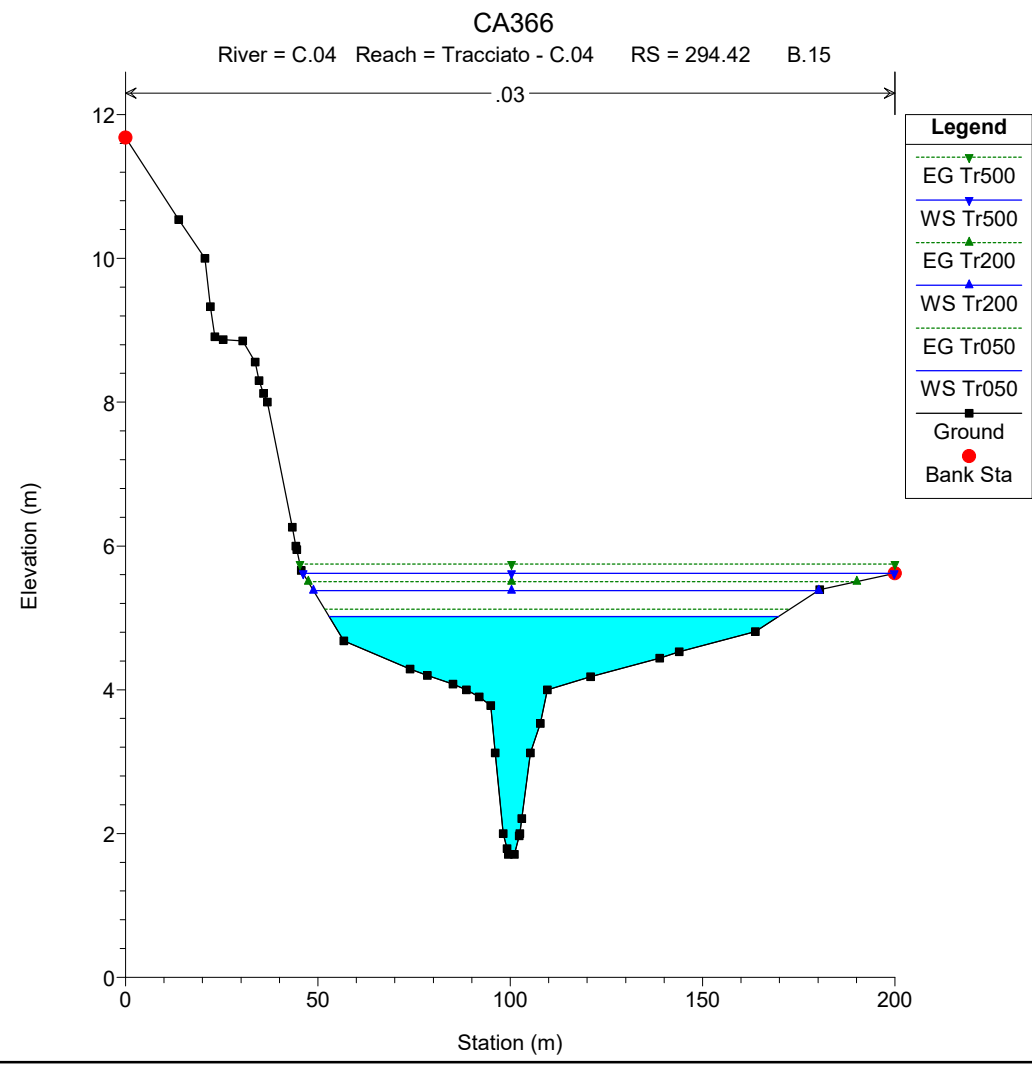
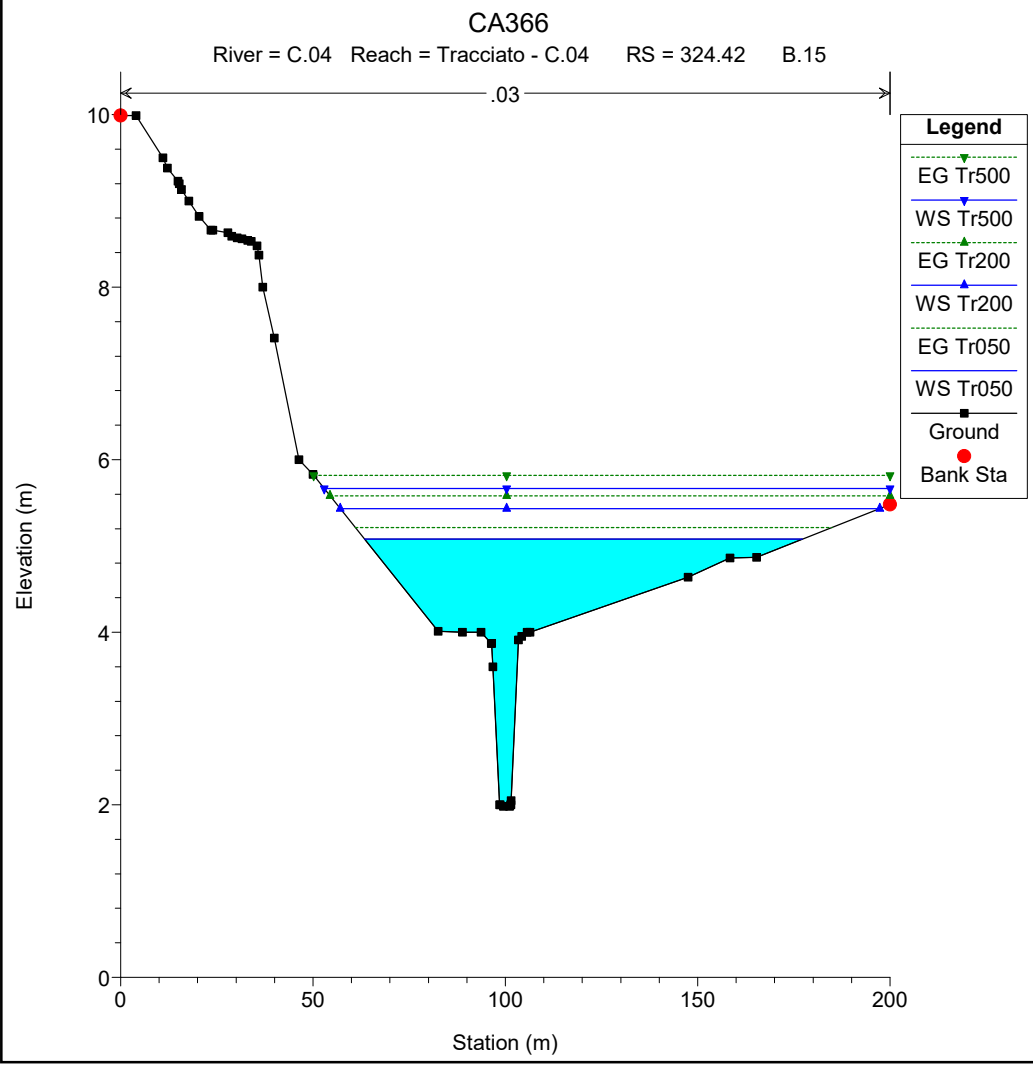
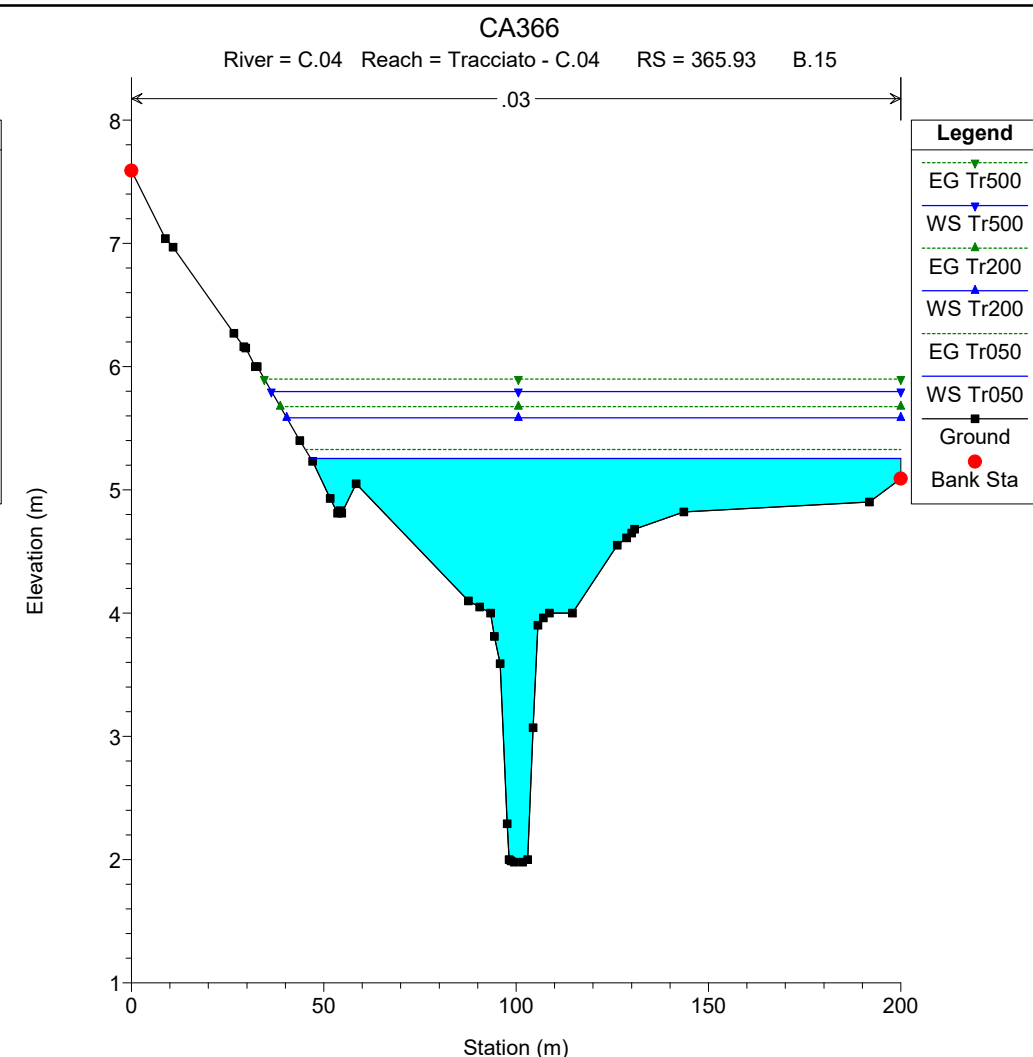
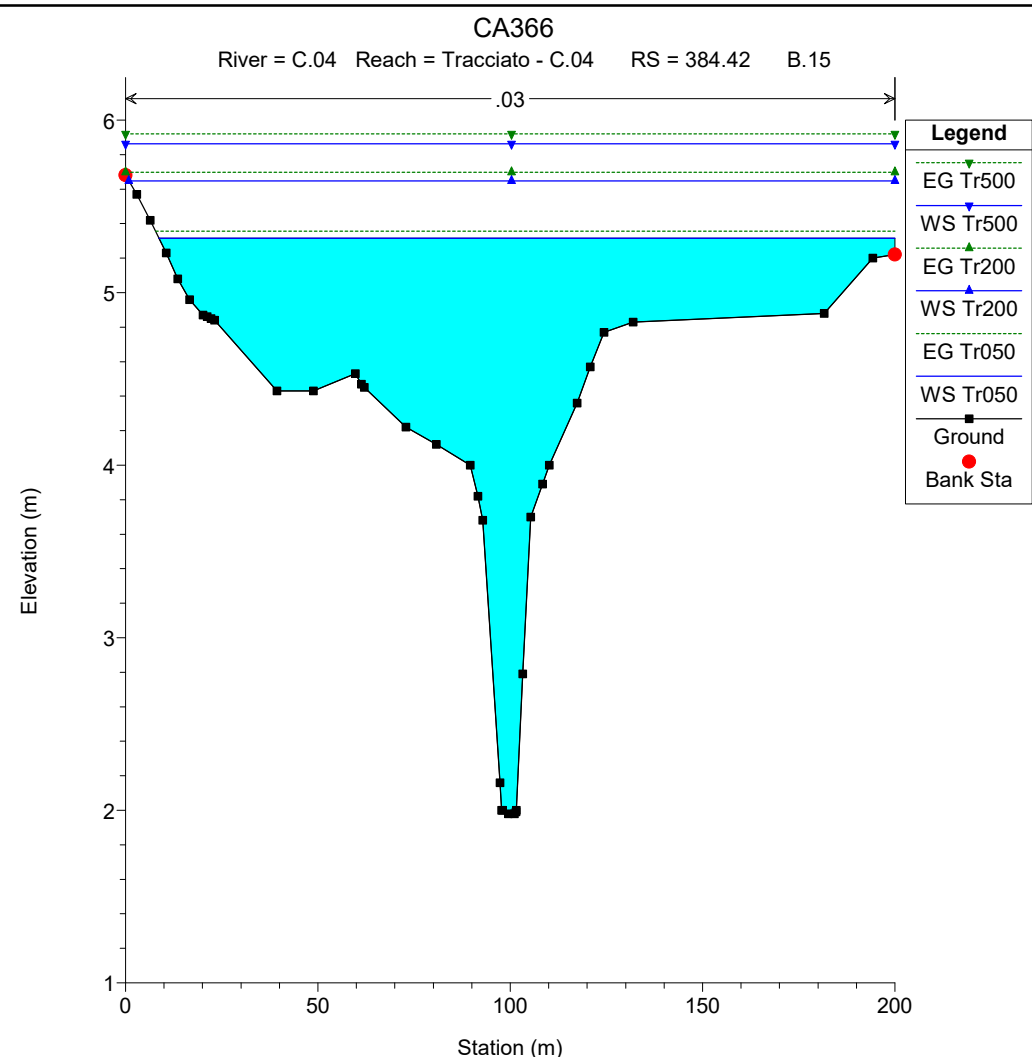
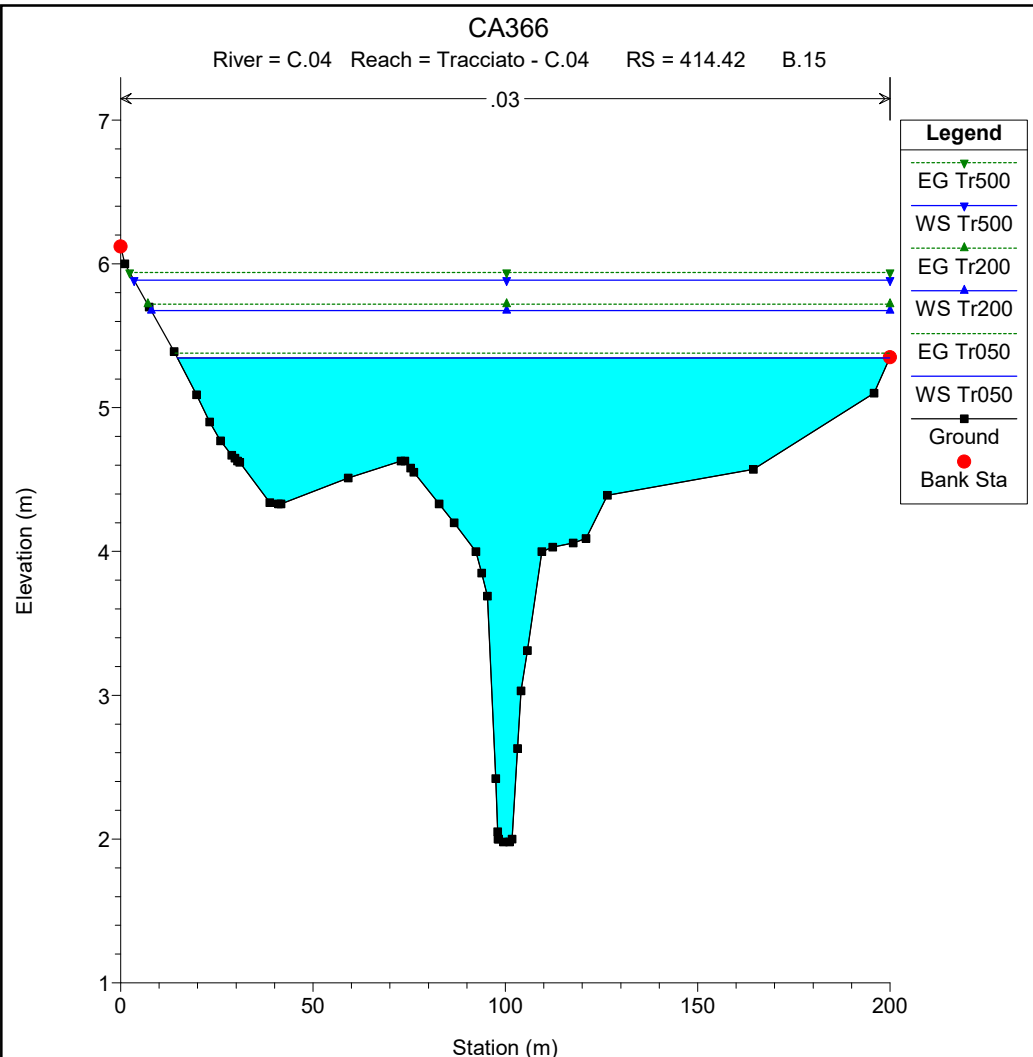


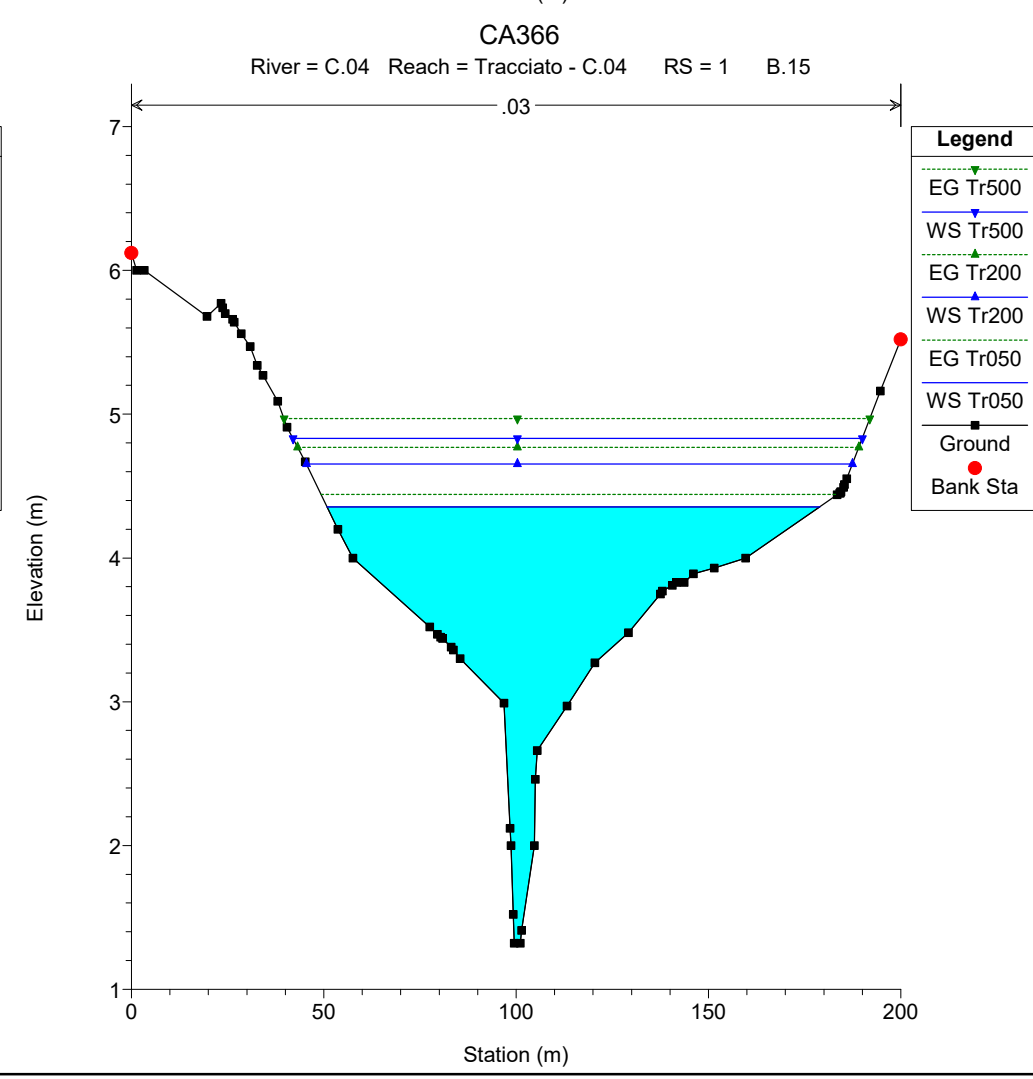
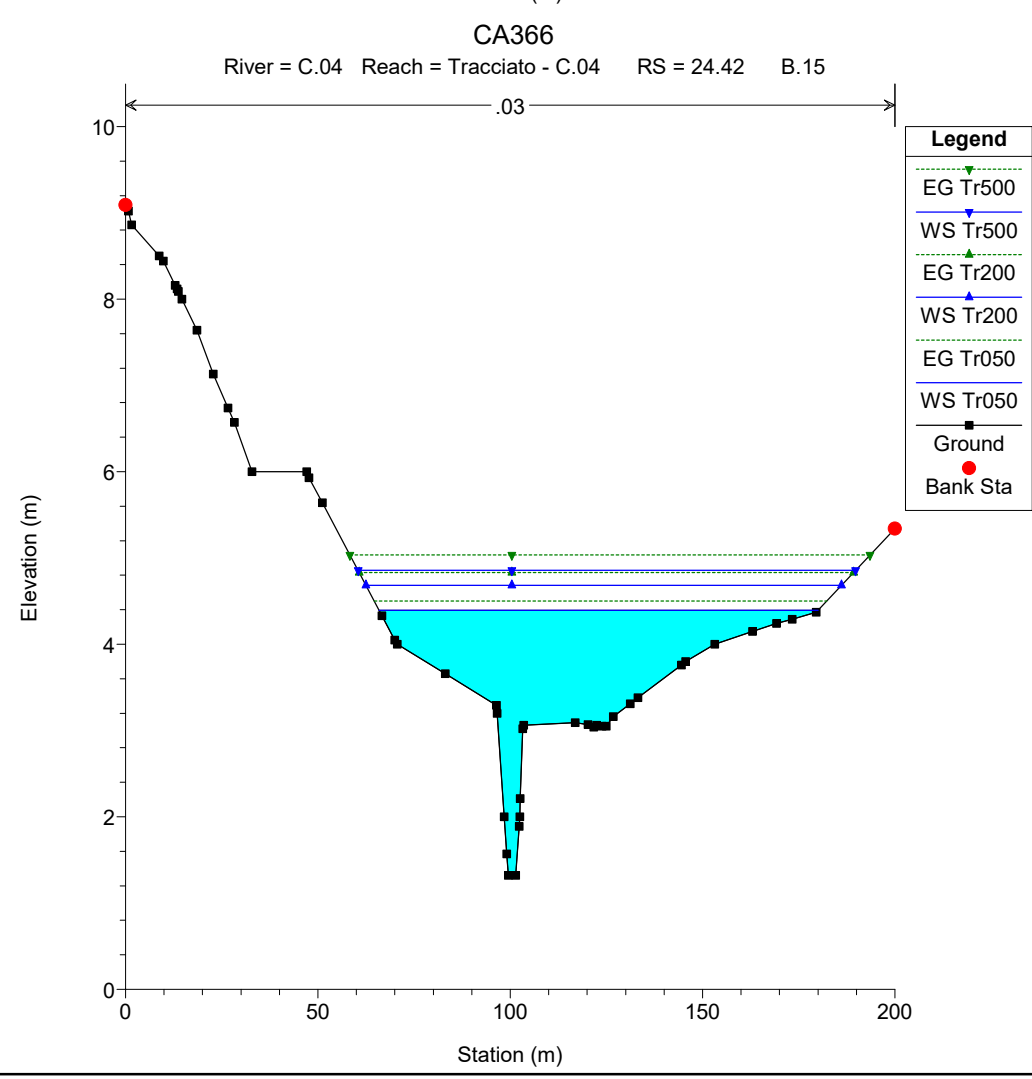
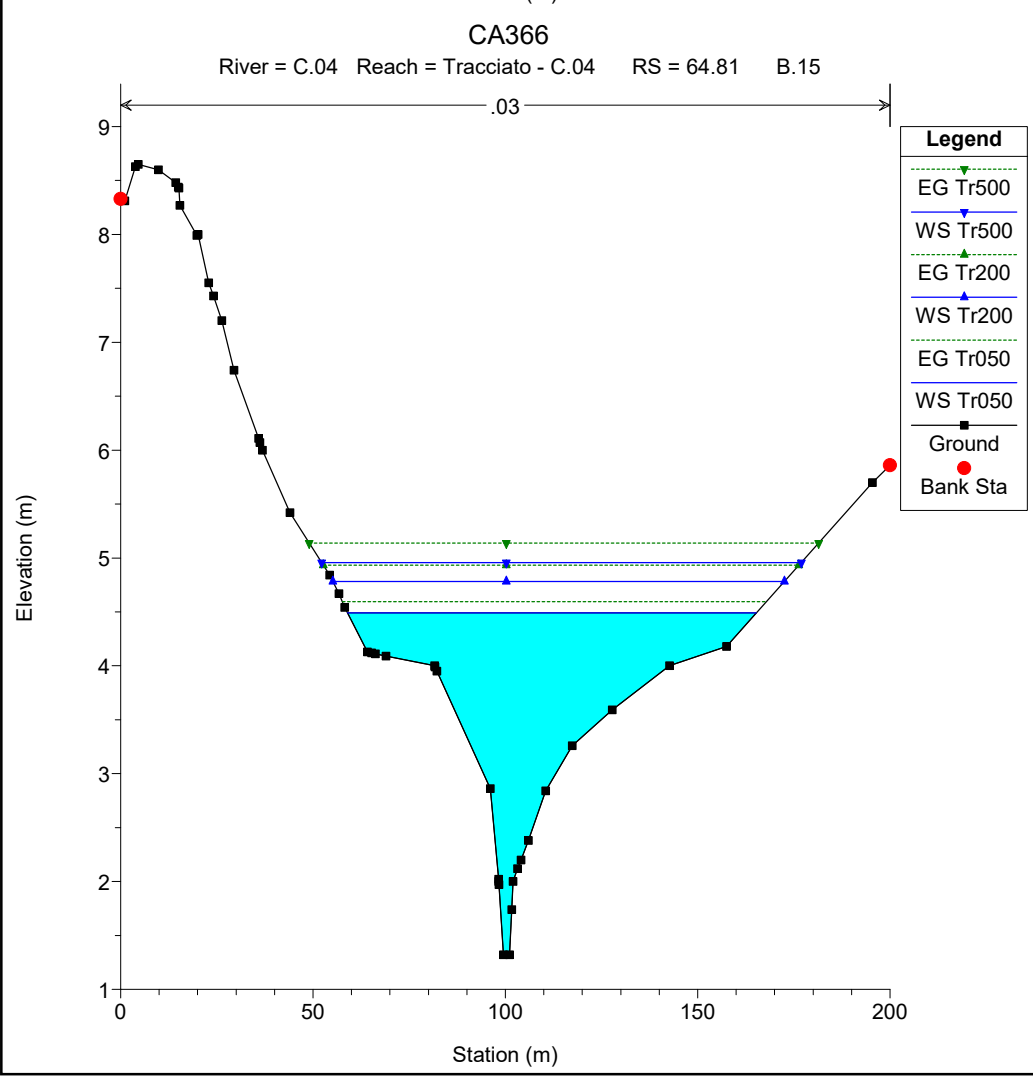
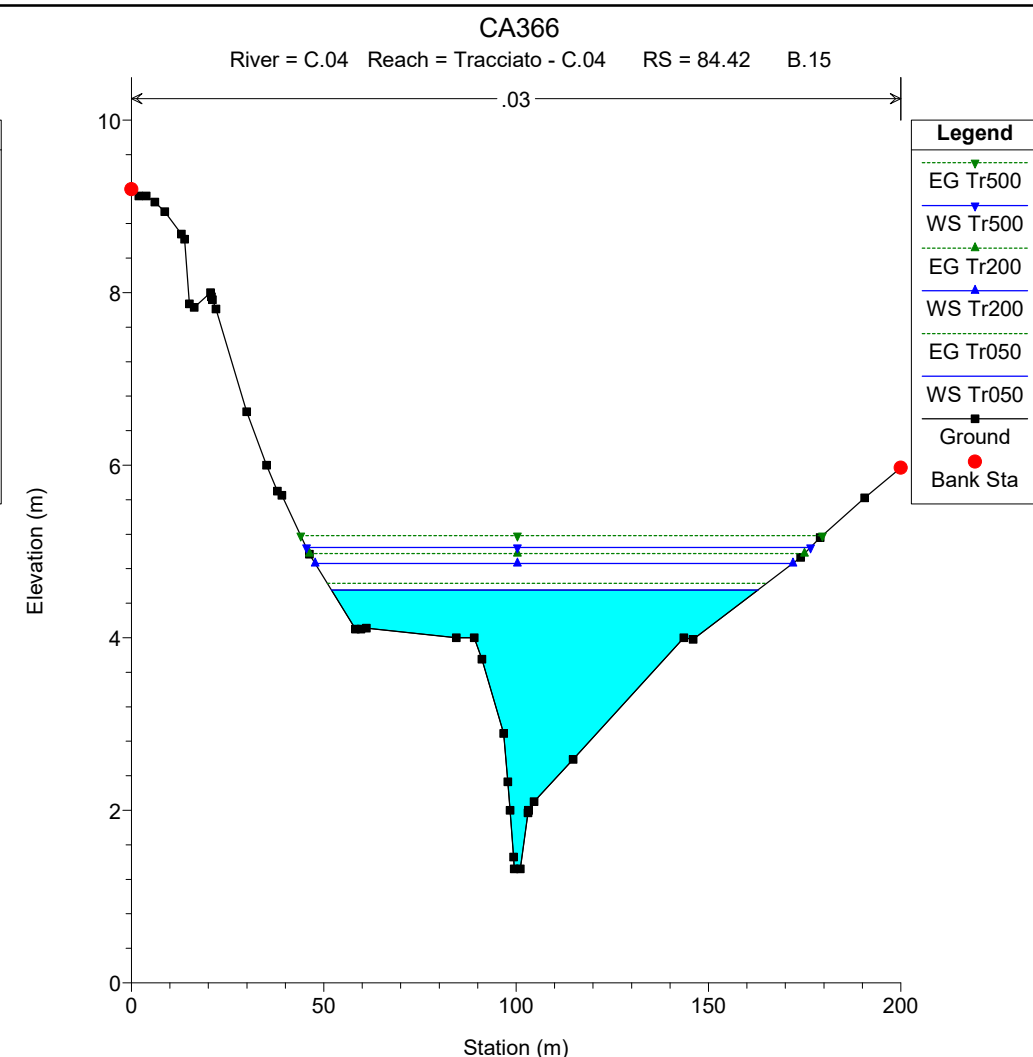
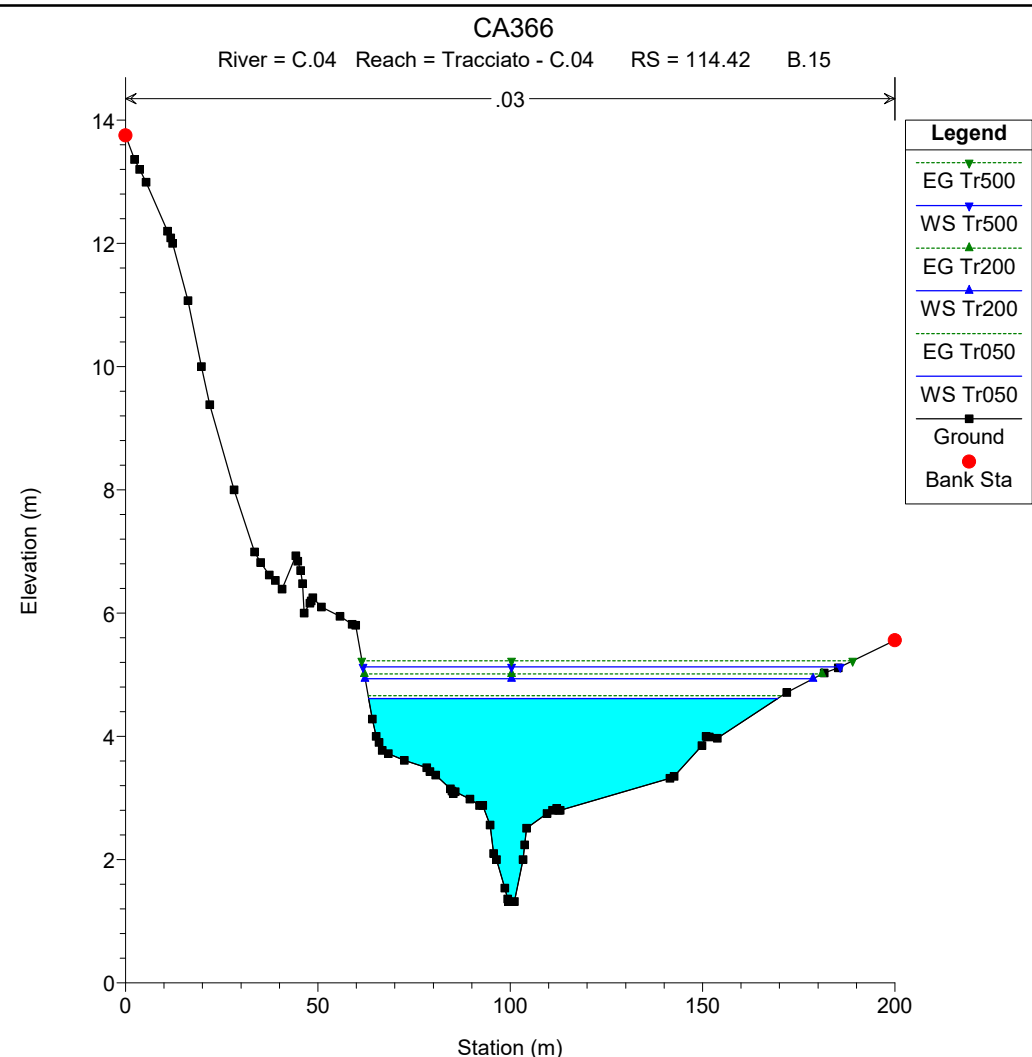
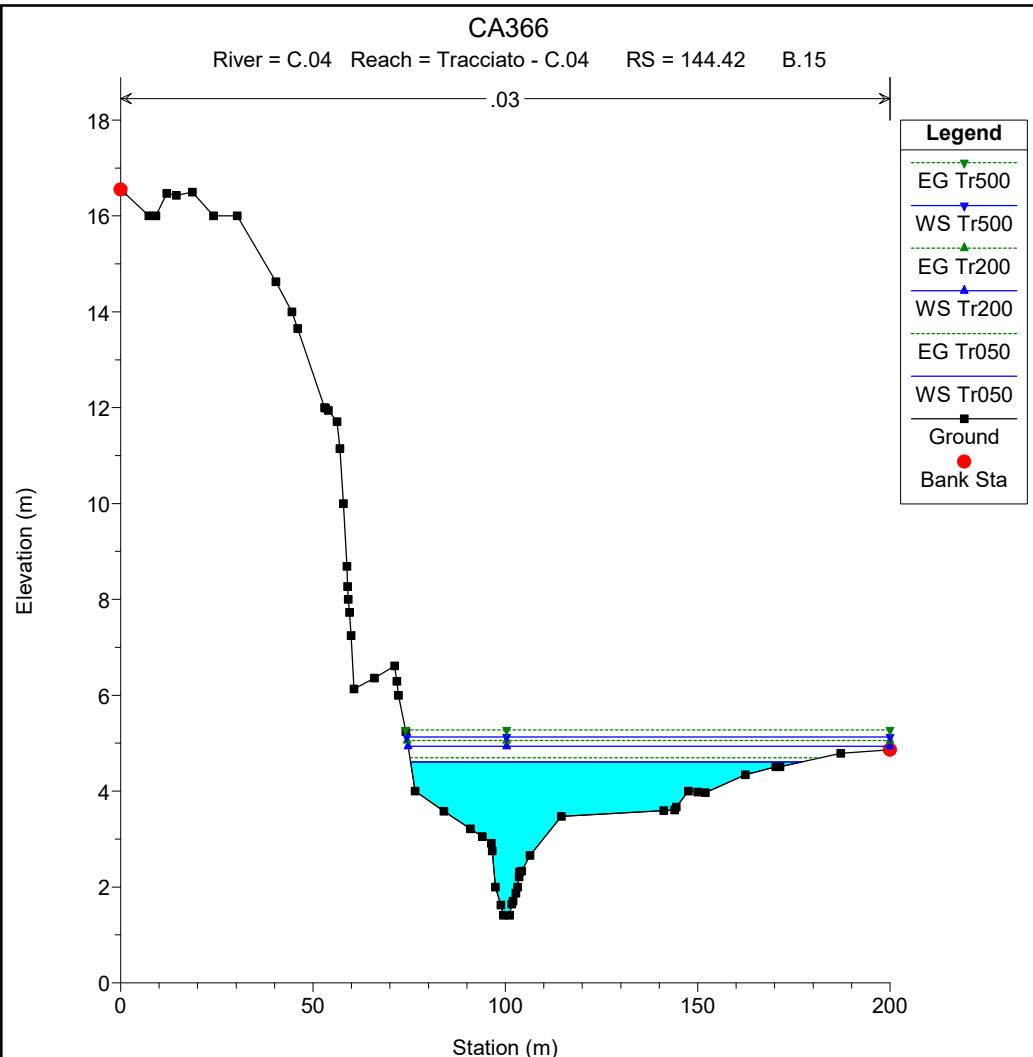












River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
C.04	Tracciato - C.04	1853.47	Tr050	CA366_SA	137.00	7.77	9.51	9.51	9.80	0.011247	2.36	58.13	106.01	1.02
C.04	Tracciato - C.04	1853.47	Tr200	CA366_SA	220.39	7.77	9.74	9.74	10.10	0.010251	2.65	83.05	118.34	1.01
C.04	Tracciato - C.04	1853.47	Tr500	CA366_SA	281.34	7.77	9.87	9.87	10.28	0.009756	2.82	99.69	124.84	1.01
C.04	Tracciato - C.04	1824.47	Tr050	CA366_SA	137.00	7.68	8.75	8.90	9.30	0.025820	3.29	41.65	86.48	1.51
C.04	Tracciato - C.04	1824.47	Tr200	CA366_SA	220.39	7.68	8.95	9.15	9.64	0.022032	3.69	59.75	92.76	1.47
C.04	Tracciato - C.04	1824.47	Tr500	CA366_SA	281.34	7.68	9.08	9.30	9.85	0.020011	3.88	72.43	96.79	1.43
C.04	Tracciato - C.04	1764.47	Tr050	CA366_SA	137.00	6.43	8.52	7.92	8.58	0.001292	1.12	122.51	135.73	0.38
C.04	Tracciato - C.04	1764.47	Tr200	CA366_SA	220.39	6.43	8.80	8.15	8.89	0.001407	1.36	162.08	142.71	0.41
C.04	Tracciato - C.04	1764.47	Tr500	CA366_SA	281.34	6.43	8.97	8.32	9.08	0.001493	1.51	186.51	146.91	0.43
C.04	Tracciato - C.04	1674.47	Tr050	CA366_SA	137.00	6.00	8.01	8.01	8.30	0.011663	2.37	57.86	108.11	1.03
C.04	Tracciato - C.04	1674.47	Tr200	CA366_SA	220.39	6.00	8.23	8.23	8.60	0.009751	2.70	81.61	109.22	1.00
C.04	Tracciato - C.04	1674.47	Tr500	CA366_SA	281.34	6.00	8.54		8.84	0.005087	2.43	115.66	110.79	0.76
C.04	Tracciato - C.04	1644.47	Tr050	CA366_SA	137.00	6.00	7.82	7.63	7.98	0.005003	1.75	78.12	121.66	0.70
C.04	Tracciato - C.04	1644.47	Tr200	CA366_SA	220.39	6.00	8.34	7.89	8.41	0.001400	1.18	186.19	200.00	0.39
C.04	Tracciato - C.04	1644.47	Tr500	CA366_SA	281.34	6.00	8.65	8.02	8.72	0.000885	1.14	247.65	200.00	0.33
C.04	Tracciato - C.04	1614.47	Tr050	CA366_SA	137.00	6.00	7.89		7.91	0.000408	0.68	202.36	200.00	0.21
C.04	Tracciato - C.04	1614.47	Tr200	CA366_SA	220.39	6.00	8.36		8.38	0.000297	0.74	296.57	200.00	0.19
C.04	Tracciato - C.04	1614.47	Tr500	CA366_SA	281.34	6.00	8.66		8.69	0.000261	0.79	357.47	200.00	0.19
C.04	Tracciato - C.04	1584.47	Tr050	CA366_SA	137.00	6.00	7.88		7.90	0.000220	0.56	243.93	200.00	0.16
C.04	Tracciato - C.04	1584.47	Tr200	CA366_SA	220.39	6.00	8.35		8.38	0.000192	0.65	338.38	200.00	0.16
C.04	Tracciato - C.04	1584.47	Tr500	CA366_SA	281.34	6.00	8.66		8.68	0.000181	0.70	399.37	200.00	0.16
C.04	Tracciato - C.04	1554.47	Tr050	CA366_SA	137.00	5.82	7.86		7.89	0.000409	0.73	188.84	168.81	0.22
C.04	Tracciato - C.04	1554.47	Tr200	CA366_SA	220.39	5.82	8.33		8.37	0.000338	0.82	270.10	175.00	0.21
C.04	Tracciato - C.04	1554.47	Tr500	CA366_SA	281.34	5.82	8.64		8.68	0.000309	0.87	323.91	178.38	0.21
C.04	Tracciato - C.04	1524.47	Tr050	CA366_SA	137.00	6.00	7.83		7.87	0.000649	0.95	144.82	123.10	0.28
C.04	Tracciato - C.04	1524.47	Tr200	CA366_SA	220.39	6.00	8.29		8.35	0.000642	1.06	208.82	149.34	0.29
C.04	Tracciato - C.04	1524.47	Tr500	CA366_SA	281.34	6.00	8.60		8.66	0.000578	1.10	256.02	159.21	0.28
C.04	Tracciato - C.04	1494.47	Tr050	CA366_SA	137.00	5.31	7.80		7.85	0.000609	0.98	140.15	107.52	0.27
C.04	Tracciato - C.04	1494.47	Tr200	CA366_SA	220.39	5.31	8.26		8.33	0.000606	1.14	192.59	116.19	0.28
C.04	Tracciato - C.04	1494.47	Tr500	CA366_SA	281.34	5.31	8.56		8.64	0.000613	1.23	228.01	123.82	0.29
C.04	Tracciato - C.04	1464.46	Tr050	CA366_SA	137.00	5.85	7.69		7.81	0.001856	1.55	88.51	78.58	0.47
C.04	Tracciato - C.04	1464.46	Tr200	CA366_SA	220.39	5.85	8.13		8.29	0.001690	1.76	124.93	84.89	0.46
C.04	Tracciato - C.04	1464.46	Tr500	CA366_SA	281.34	5.85	8.42		8.60	0.001540	1.88	149.59	85.97	0.46
C.04	Tracciato - C.04	1434.46	Tr050	CA366_SA	137.00	5.82	7.63		7.76	0.001934	1.59	86.10	75.67	0.48
C.04	Tracciato - C.04	1434.46	Tr200	CA366_SA	220.39	5.82	8.07		8.24	0.001802	1.81	121.81	83.69	0.48
C.04	Tracciato - C.04	1434.46	Tr500	CA366_SA	281.34	5.82	8.37		8.56	0.001613	1.92	146.71	84.86	0.47
C.04	Tracciato - C.04	1404.44	Tr050	CA366_SA	137.00	5.67	7.53		7.69	0.002749	1.73	79.26	80.13	0.55
C.04	Tracciato - C.04	1404.44	Tr200	CA366_SA	220.39	5.67	8.01		8.18	0.002448	1.80	122.13	106.13	0.54
C.04	Tracciato - C.04	1404.44	Tr500	CA366_SA	281.34	5.67	8.33		8.50	0.001777	1.80	156.56	107.33	0.48
C.04	Tracciato - C.04	1374.44	Tr050	CA366_SA	137.00	5.66	7.43		7.60	0.003162	1.81	75.87	79.66	0.59
C.04	Tracciato - C.04	1374.44	Tr200	CA366_SA	220.39	5.66	7.94		8.11	0.002236	1.82	120.93	96.50	0.52
C.04	Tracciato - C.04	1374.44	Tr500	CA366_SA	281.34	5.66	8.28		8.45	0.001739	1.80	156.48	105.29	0.47
C.04	Tracciato - C.04	1344.44	Tr050	CA366_SA	137.00	5.66	7.35		7.51	0.002704	1.75	78.15	76.20	0.55
C.04	Tracciato - C.04	1344.44	Tr200	CA366_SA	220.39	5.66	7.88		8.04	0.002023	1.81	121.96	91.31	0.50
C.04	Tracciato - C.04	1344.44	Tr500	CA366_SA	281.34	5.66	8.23		8.40	0.001640	1.80	156.11	100.25	0.46
C.04	Tracciato - C.04	1314.44	Tr050	CA366_SA	137.00	4.82	7.31		7.42	0.002039	1.48	92.41	93.55	0.48
C.04	Tracciato - C.04	1314.44	Tr200	CA366_SA	220.39	4.82	7.87		7.98	0.001261	1.48	148.87	104.99	0.40
C.04	Tracciato - C.04	1314.44	Tr500	CA366_SA	281.34	4.82	8.23		8.34	0.000979	1.51	186.84	105.79	0.36
C.04	Tracciato - C.04	1301.51	Tr050	CA366_SA	137.00	4.71	7.29		7.39	0.002005	1.46	94.06	96.47	0.47
C.04	Tracciato - C.04	1301.51	Tr200	CA366_SA	220.39	4.71	7.85		7.96	0.001160	1.44	152.68	104.77	0.38
C.04	Tracciato - C.04	1301.51	Tr500	CA366_SA	281.34	4.71	8.22		8.33	0.000915	1.47	190.92	105.88	0.35
C.04	Tracciato - C.04	1240.25	Tr050	CA366_SA	137.00	4.55	7.18		7.28	0.001690	1.36	100.50	100.64	0.44
C.04	Tracciato - C.04	1240.25	Tr200	CA366_SA	220.39	4.55	7.80		7.89	0.001041	1.30	170.01	127.70	0.36
C.04	Tracciato - C.04	1240.25	Tr500	CA366_SA	281.34	4.55	8.19		8.27	0.000806	1.26	222.64	143.29	0.32
C.04	Tracciato - C.04	1219.83	Tr050	CA366_SA	137.00	4.22	7.15		7.25	0.001463	1.37	99.77	88.54	0.41
C.04	Tracciato - C.04	1219.83	Tr200	CA366_SA	220.39	4.22	7.77		7.86	0.001106	1.35	163.19	120.52	0.37
C.04	Tracciato - C.04	1219.83	Tr500	CA366_SA	281.34	4.22	8.16		8.25	0.000849	1.32	213.75	134.46	0.33
C.04	Tracciato - C.04	1206.62	Tr050	CA366_SA	137.00	4.25	7.15		7.22	0.001061	1.18	115.96	101.60	0.35
C.04	Tracciato - C.04	1206.62	Tr200	CA366_SA	220.39	4.25	7.78		7.85	0.000756	1.15	191.41	135.25	0.31
C.04	Tracciato - C.04	1206.62	Tr500	CA366_SA	281.34	4.25	8.17		8.23	0.000566	1.14	245.94	140.96	0.28
C.04	Tracciato - C.04	1194.44	Tr050	CA366_SA	137.00	3.33	7.16		7.20	0.000565	0.91	150.94	121.97	0.26
C.04	Tracciato - C.04	1194.44	Tr200	CA366_SA	220.39	3.33	7.79		7.83	0.000430	0.94	235.07	147.47	0.24
C.04	Tracciato - C.04	1194.44	Tr500	CA366_SA	281.34	3.33	8.18		8.22	0.000357	0.95	295.17	157.03	0.22
C.04	Tracciato - C.04	1169.91	Tr050	CA366_SA	137.00	3.55	7.16		7.19	0.000209	0.75	183.41	93.51	0.17
C.04	Tracciato - C.04	1169.91	Tr200	CA366_SA	220.39	3.55	7.78		7.82	0.000276	0.89	246.82	118.98	0.20
C.04	Tracciato - C.04	1169.91	Tr500	CA366_SA	281.34	3.55	8.17		8.21	0.000337	0.92	306.42	165.25	0.22
C.04	Tracciato - C.04	1156.67	Tr050	CA366_SA	137.00	3.54	7.06		7.18	0.000992	1.54	88.80	45.66	0.35
C.04	Tracciato - C.04	1156.67	Tr200	CA366_SA	220.39	3.54	7.62		7.80	0.001195	1.90	116.17	50.00	0.40
C.04	Tracciato - C.04	1156.67	Tr500	CA366_SA	281.34	3.54	7.96		8.19	0.001252	2.11	133.30	50.00	0.41

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
C.04	Tracciato - C.04	1112.91	Tr050	CA366_SA	137.00	3.34	7.04	5.95	7.13	0.000784	1.33	102.82	58.01	0.32
C.04	Tracciato - C.04	1112.91	Tr200	CA366_SA	220.39	3.34	7.61	6.32	7.74	0.000863	1.61	137.30	62.98	0.35
C.04	Tracciato - C.04	1112.91	Tr500	CA366_SA	281.34	3.34	7.96	6.56	8.12	0.000899	1.76	160.07	66.13	0.36
C.04	Tracciato - C.04	1097.7	Tr050	CA366_SA	137.00	3.34	7.02		7.12	0.000739	1.39	98.47	49.12	0.31
C.04	Tracciato - C.04	1097.7	Tr200	CA366_SA	220.39	3.34	7.57		7.73	0.000918	1.74	126.71	53.21	0.36
C.04	Tracciato - C.04	1097.7	Tr500	CA366_SA	281.34	3.34	7.91		8.10	0.001023	1.94	145.24	56.35	0.39
C.04	Tracciato - C.04	1062.28	Tr050	CA366_SA	137.00	3.14	6.95		7.08	0.001169	1.58	86.52	51.30	0.39
C.04	Tracciato - C.04	1062.28	Tr200	CA366_SA	220.39	3.14	7.50		7.68	0.001278	1.91	115.50	55.29	0.42
C.04	Tracciato - C.04	1062.28	Tr500	CA366_SA	281.34	3.14	7.83		8.06	0.001327	2.09	134.51	57.67	0.44
C.04	Tracciato - C.04	1044.43	Tr050	CA366_SA	137.00	3.14	6.90		7.06	0.001663	1.73	79.06	53.49	0.46
C.04	Tracciato - C.04	1044.43	Tr200	CA366_SA	220.39	3.14	7.45		7.66	0.001638	2.00	110.08	59.34	0.47
C.04	Tracciato - C.04	1044.43	Tr500	CA366_SA	281.34	3.14	7.80		8.03	0.001615	2.15	131.11	63.07	0.48
C.04	Tracciato - C.04	1014.43	Tr050	CA366_SA	137.00	3.14	6.88		7.00	0.001323	1.52	90.24	63.17	0.41
C.04	Tracciato - C.04	1014.43	Tr200	CA366_SA	220.39	3.14	7.45		7.60	0.001246	1.73	127.72	70.55	0.41
C.04	Tracciato - C.04	1014.43	Tr500	CA366_SA	281.34	3.14	7.80		7.97	0.001247	1.83	153.90	78.09	0.42
C.04	Tracciato - C.04	984.43	Tr050	CA366_SA	137.00	3.14	6.81		6.95	0.001731	1.67	82.03	59.59	0.45
C.04	Tracciato - C.04	984.43	Tr200	CA366_SA	220.39	3.14	7.37		7.55	0.001546	1.88	116.93	65.14	0.45
C.04	Tracciato - C.04	984.43	Tr500	CA366_SA	281.34	3.14	7.72		7.92	0.001468	2.01	140.12	68.28	0.45
C.04	Tracciato - C.04	954.44	Tr050	CA366_SA	137.00	3.21	6.74		6.90	0.001724	1.77	77.27	51.50	0.46
C.04	Tracciato - C.04	954.44	Tr200	CA366_SA	220.39	3.21	7.29		7.50	0.001814	2.04	108.27	61.11	0.49
C.04	Tracciato - C.04	954.44	Tr500	CA366_SA	281.34	3.21	7.64		7.87	0.001800	2.15	130.61	67.46	0.49
C.04	Tracciato - C.04	924.44	Tr050	CA366_SA	137.00	3.00	6.70		6.85	0.001479	1.70	80.59	51.08	0.43
C.04	Tracciato - C.04	924.44	Tr200	CA366_SA	220.39	3.00	7.24		7.45	0.001605	2.00	110.41	58.55	0.46
C.04	Tracciato - C.04	924.44	Tr500	CA366_SA	281.34	3.00	7.59		7.82	0.001626	2.14	131.30	63.26	0.47
C.04	Tracciato - C.04	894.44	Tr050	CA366_SA	137.00	2.75	6.61		6.79	0.001875	1.91	71.85	46.00	0.49
C.04	Tracciato - C.04	894.44	Tr200	CA366_SA	220.39	2.75	7.12		7.39	0.002013	2.29	96.14	49.17	0.52
C.04	Tracciato - C.04	894.44	Tr500	CA366_SA	281.34	2.75	7.44		7.76	0.002078	2.51	112.04	51.12	0.54
C.04	Tracciato - C.04	864.44	Tr050	CA366_SA	137.00	2.75	6.55		6.74	0.001850	1.91	71.63	45.13	0.48
C.04	Tracciato - C.04	864.44	Tr200	CA366_SA	220.39	2.75	7.05		7.33	0.002034	2.33	94.69	47.57	0.53
C.04	Tracciato - C.04	864.44	Tr500	CA366_SA	281.34	2.75	7.36		7.69	0.002132	2.57	109.54	49.09	0.55
C.04	Tracciato - C.04	834.44	Tr050	CA366_SA	137.00	2.72	6.51		6.68	0.001769	1.82	75.42	49.57	0.47
C.04	Tracciato - C.04	834.44	Tr200	CA366_SA	220.39	2.72	7.01		7.26	0.001835	2.19	100.86	51.41	0.50
C.04	Tracciato - C.04	834.44	Tr500	CA366_SA	281.34	2.72	7.33		7.62	0.001876	2.40	117.04	52.42	0.51
C.04	Tracciato - C.04	804.44	Tr050	CA366_SA	137.00	2.72	6.36		6.60	0.003156	2.16	63.43	49.49	0.61
C.04	Tracciato - C.04	804.44	Tr200	CA366_SA	220.39	2.72	6.88		7.18	0.002863	2.44	90.18	54.37	0.61
C.04	Tracciato - C.04	804.44	Tr500	CA366_SA	281.34	2.72	7.20		7.55	0.002683	2.60	108.19	56.58	0.60
C.04	Tracciato - C.04	774.44	Tr050	CA366_SA	137.00	2.72	6.14		6.48	0.004637	2.57	53.34	42.90	0.74
C.04	Tracciato - C.04	774.44	Tr200	CA366_SA	220.39	2.72	6.63		7.07	0.004321	2.93	75.14	46.89	0.74
C.04	Tracciato - C.04	774.44	Tr500	CA366_SA	281.34	2.72	6.94		7.43	0.004136	3.12	90.05	49.43	0.74
C.04	Tracciato - C.04	744.43	Tr050	CA366_SA	137.00	2.72	6.03		6.35	0.003845	2.49	54.97	40.40	0.68
C.04	Tracciato - C.04	744.43	Tr200	CA366_SA	220.39	2.72	6.50		6.94	0.004037	2.94	74.98	44.60	0.72
C.04	Tracciato - C.04	744.43	Tr500	CA366_SA	281.34	2.72	6.79		7.31	0.004113	3.19	88.31	47.20	0.74
C.04	Tracciato - C.04	714.43	Tr050	CA366_SA	137.00	2.72	5.81		6.20	0.005398	2.79	49.18	39.50	0.80
C.04	Tracciato - C.04	714.43	Tr200	CA366_SA	220.39	2.72	6.22	6.04	6.78	0.005855	3.33	66.27	43.33	0.86
C.04	Tracciato - C.04	714.43	Tr500	CA366_SA	281.34	2.72	6.42	6.32	7.14	0.006606	3.74	75.32	45.30	0.93
C.04	Tracciato - C.04	684.43	Tr050	CA366_SA	137.00	2.59	5.79		6.05	0.002691	2.24	61.19	39.80	0.58
C.04	Tracciato - C.04	684.43	Tr200	CA366_SA	220.39	2.59	6.19		6.60	0.003487	2.84	77.71	42.98	0.67
C.04	Tracciato - C.04	684.43	Tr500	CA366_SA	281.34	2.59	6.38		6.93	0.004291	3.27	85.94	44.82	0.75
C.04	Tracciato - C.04	654.43	Tr050	CA366_SA	137.00	2.00	5.75		5.96	0.002516	2.03	67.55	47.80	0.54
C.04	Tracciato - C.04	654.43	Tr200	CA366_SA	220.39	2.00	6.16		6.48	0.003011	2.49	88.42	52.74	0.61
C.04	Tracciato - C.04	654.43	Tr500	CA366_SA	281.34	2.00	6.36		6.77	0.003558	2.84	99.05	55.12	0.68
C.04	Tracciato - C.04	624.43	Tr050	CA366_SA	137.00	2.00	5.51		5.84	0.005507	2.53	54.05	49.54	0.77
C.04	Tracciato - C.04	624.43	Tr200	CA366_SA	220.39	2.00	5.70	5.70	6.30	0.009103	3.43	64.17	54.60	1.01
C.04	Tracciato - C.04	624.43	Tr500	CA366_SA	281.34	2.00	6.06	6.06	6.59	0.009939	3.23	87.08	88.23	1.04
C.04	Tracciato - C.04	594.42	Tr050	CA366_SA	137.00	2.00	5.57		5.67	0.002191	1.38	99.57	118.44	0.48
C.04	Tracciato - C.04	594.42	Tr200	CA366_SA	220.39	2.00	5.93	5.37	6.05	0.001755	1.54	142.85	120.82	0.45
C.04	Tracciato - C.04	594.42	Tr500	CA366_SA	281.34	2.00	6.16	5.56	6.30	0.001627	1.66	169.92	121.92	0.45
C.04	Tracciato - C.04	564.42	Tr050	CA366_SA	137.00	1.97	5.50		5.61	0.001636	1.47	93.09	80.14	0.44
C.04	Tracciato - C.04	564.42	Tr200	CA366_SA	220.39	1.97	5.82		5.99	0.002118	1.83	120.55	91.16	0.51
C.04	Tracciato - C.04	564.42	Tr500	CA366_SA	281.34	1.97	6.02		6.23	0.002349	2.01	139.66	98.78	0.54
C.04	Tracciato - C.04	534.42	Tr050	CA366_SA	137.00	2.00	5.36		5.53	0.003489	1.84	74.30	80.64	0.61
C.04	Tracciato - C.04	534.42	Tr200	CA366_SA	220.39	2.00	5.64		5.90	0.004129	2.26	97.68	89.00	0.69
C.04	Tracciato - C.04	534.42	Tr500	CA366_SA	281.34	2.00	5.82		6.13	0.004320	2.46	114.30	94.62	0.72
C.04	Tracciato - C.04	504.42	Tr050	CA366_SA	137.00	2.00	5.40		5.44	0.001040	0.92	149.48	187.77	0.33
C.04	Tracciato - C.04	504.42	Tr200	CA366_SA	220.39	2.00	5.73		5.78	0.000899	1.03	213.09	200.00	0.32
C.04	Tracciato - C.04	504.42	Tr500	CA366_SA	281.34	2.00	5.94		6.00	0.000799	1.10	255.82	200.00	0.31
C.04	Tracciato - C.04	474.42	Tr050	CA366_SA	137.00	1.98	5.39		5.42	0.000554	0.74	185.69	200.00	0.24
C.04	Tracciato - C.04	474.42	Tr200	CA366_SA	220.39	1.98	5.72		5.76	0.000520	0.87	252.00	200.00	0.25
C.04	Tracciato - C.04	474.42	Tr500	CA366_SA	281.34	1.98	5.93		5.98	0.000503	0.95	294.97	200.00	0.25

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
C.04	Tracciato - C.04	444.42	Tr050	CA366_SA	137.00	1.98	5.36		5.40	0.000610	0.83	164.52	160.51	0.26
C.04	Tracciato - C.04	444.42	Tr200	CA366_SA	220.39	1.98	5.69		5.74	0.000637	1.02	216.92	161.88	0.28
C.04	Tracciato - C.04	444.42	Tr500	CA366_SA	281.34	1.98	5.90		5.96	0.000643	1.12	251.12	162.76	0.29
C.04	Tracciato - C.04	414.42	Tr050	CA366_SA	137.00	1.98	5.35		5.38	0.000615	0.79	173.57	185.21	0.26
C.04	Tracciato - C.04	414.42	Tr200	CA366_SA	220.39	1.98	5.67		5.72	0.000606	0.94	235.40	192.03	0.27
C.04	Tracciato - C.04	414.42	Tr500	CA366_SA	281.34	1.98	5.89		5.94	0.000594	1.02	276.80	196.52	0.27
C.04	Tracciato - C.04	384.42	Tr050	CA366_SA	137.00	1.98	5.32		5.36	0.000922	0.88	155.70	191.31	0.31
C.04	Tracciato - C.04	384.42	Tr200	CA366_SA	220.39	1.98	5.65		5.70	0.000794	1.00	220.26	199.13	0.30
C.04	Tracciato - C.04	384.42	Tr500	CA366_SA	281.34	1.98	5.86		5.92	0.000720	1.07	263.27	200.00	0.30
C.04	Tracciato - C.04	365.93	Tr050	CA366_SA	137.00	1.98	5.26		5.33	0.001908	1.19	114.82	153.40	0.44
C.04	Tracciato - C.04	365.93	Tr200	CA366_SA	220.39	1.98	5.58		5.67	0.001517	1.32	166.34	159.68	0.41
C.04	Tracciato - C.04	365.93	Tr500	CA366_SA	281.34	1.98	5.80		5.90	0.001365	1.40	200.83	163.61	0.40
C.04	Tracciato - C.04	324.42	Tr050	CA366_SA	137.00	1.98	5.08		5.22	0.003661	1.63	83.96	113.82	0.61
C.04	Tracciato - C.04	324.42	Tr200	CA366_SA	220.39	1.98	5.43		5.58	0.002985	1.71	128.95	140.30	0.57
C.04	Tracciato - C.04	324.42	Tr500	CA366_SA	281.34	1.98	5.67		5.82	0.002387	1.73	162.77	147.13	0.52
C.04	Tracciato - C.04	294.42	Tr050	CA366_SA	137.00	1.71	5.02		5.12	0.002304	1.41	97.23	116.79	0.49
C.04	Tracciato - C.04	294.42	Tr200	CA366_SA	220.39	1.71	5.38		5.50	0.001959	1.55	142.26	131.35	0.48
C.04	Tracciato - C.04	294.42	Tr500	CA366_SA	281.34	1.71	5.62		5.75	0.001932	1.60	176.07	153.69	0.48
C.04	Tracciato - C.04	174.42	Tr050	CA366_SA	137.00	1.61	4.61		4.79	0.003257	1.86	73.71	75.36	0.60
C.04	Tracciato - C.04	174.42	Tr200	CA366_SA	220.39	1.61	4.92		5.17	0.003724	2.25	98.14	83.62	0.66
C.04	Tracciato - C.04	174.42	Tr500	CA366_SA	281.34	1.61	5.09		5.40	0.004105	2.50	112.72	88.17	0.70
C.04	Tracciato - C.04	144.42	Tr050	CA366_SA	137.00	1.41	4.61		4.70	0.001424	1.29	106.35	101.74	0.40
C.04	Tracciato - C.04	144.42	Tr200	CA366_SA	220.39	1.41	4.94		5.06	0.001793	1.54	143.44	125.28	0.46
C.04	Tracciato - C.04	144.42	Tr500	CA366_SA	281.34	1.41	5.13		5.27	0.001743	1.68	167.82	125.65	0.46
C.04	Tracciato - C.04	114.42	Tr050	CA366_SA	137.00	1.32	4.61		4.66	0.000564	0.96	142.79	106.35	0.26
C.04	Tracciato - C.04	114.42	Tr200	CA366_SA	220.39	1.32	4.93		5.01	0.000783	1.23	178.47	116.44	0.32
C.04	Tracciato - C.04	114.42	Tr500	CA366_SA	281.34	1.32	5.13		5.22	0.000926	1.40	201.51	124.09	0.35
C.04	Tracciato - C.04	84.42	Tr050	CA366_SA	137.00	1.32	4.55		4.63	0.001356	1.23	111.61	110.90	0.39
C.04	Tracciato - C.04	84.42	Tr200	CA366_SA	220.39	1.32	4.86		4.97	0.001604	1.49	147.65	124.16	0.44
C.04	Tracciato - C.04	84.42	Tr500	CA366_SA	281.34	1.32	5.05		5.18	0.001710	1.64	171.34	131.05	0.46
C.04	Tracciato - C.04	64.81	Tr050	CA366_SA	137.00	1.32	4.49		4.60	0.002164	1.44	95.37	106.24	0.48
C.04	Tracciato - C.04	64.81	Tr200	CA366_SA	220.39	1.32	4.78		4.93	0.002399	1.72	127.94	117.35	0.53
C.04	Tracciato - C.04	64.81	Tr500	CA366_SA	281.34	1.32	4.96		5.14	0.002534	1.88	149.27	124.68	0.55
C.04	Tracciato - C.04	24.42	Tr050	CA366_SA	137.00	1.32	4.39		4.50	0.002502	1.46	94.14	114.13	0.51
C.04	Tracciato - C.04	24.42	Tr200	CA366_SA	220.39	1.32	4.68		4.83	0.002548	1.71	128.55	123.65	0.54
C.04	Tracciato - C.04	24.42	Tr500	CA366_SA	281.34	1.32	4.86		5.03	0.002608	1.87	150.46	129.34	0.55
C.04	Tracciato - C.04	1	Tr050	CA366_SA	137.00	1.32	4.36	3.90	4.44	0.002001	1.30	105.25	128.11	0.46
C.04	Tracciato - C.04	1	Tr200	CA366_SA	220.39	1.32	4.65	4.16	4.77	0.002001	1.51	145.83	141.97	0.48
C.04	Tracciato - C.04	1	Tr500	CA366_SA	281.34	1.32	4.83	4.30	4.97	0.002001	1.64	171.66	148.01	0.49
C.03.2	Tracciato - C.03	431.78	Tr050	CA366_SA	124.37	8.73	11.00	11.00	11.77	0.009296	3.88	32.07	21.18	1.01
C.03.2	Tracciato - C.03	431.78	Tr200	CA366_SA	198.60	8.73	11.61	11.61	12.57	0.008962	4.34	45.77	24.17	1.01
C.03.2	Tracciato - C.03	431.78	Tr500	CA366_SA	253.43	8.73	12.00	12.00	13.06	0.008706	4.55	55.71	26.53	1.00
C.03.2	Tracciato - C.03	392.8	Tr050	CA366_SA	124.37	8.75	11.01	10.54	11.29	0.002918	2.36	52.75	34.50	0.61
C.03.2	Tracciato - C.03	392.8	Tr200	CA366_SA	198.60	8.75	11.50	10.98	11.91	0.003095	2.83	70.06	36.07	0.65
C.03.2	Tracciato - C.03	392.8	Tr500	CA366_SA	253.43	8.75	10.73	11.24	12.47	0.022423	5.85	43.32	33.61	1.65
C.03.2	Tracciato - C.03	372.8	Tr050	CA366_SA	124.37	8.75	10.98		11.22	0.002451	2.18	57.04	36.88	0.56
C.03.2	Tracciato - C.03	372.8	Tr200	CA366_SA	198.60	8.75	11.48		11.83	0.002573	2.61	75.95	38.53	0.59
C.03.2	Tracciato - C.03	372.8	Tr500	CA366_SA	253.43	8.75	11.81	11.13	12.23	0.002605	2.86	88.70	39.61	0.61
C.03.2	Tracciato - C.03	352.8	Tr050	CA366_SA	124.37	8.75	10.88		11.16	0.003180	2.37	52.39	36.45	0.63
C.03.2	Tracciato - C.03	352.8	Tr200	CA366_SA	198.60	8.75	11.37		11.77	0.003228	2.80	70.96	38.83	0.66
C.03.2	Tracciato - C.03	352.8	Tr500	CA366_SA	253.43	8.75	11.70		12.16	0.003167	3.02	84.04	40.44	0.67
C.03.2	Tracciato - C.03	332.8	Tr050	CA366_SA	124.37	8.63	10.82		11.10	0.003070	2.35	52.83	36.19	0.62
C.03.2	Tracciato - C.03	332.8	Tr200	CA366_SA	198.60	8.63	11.31		11.70	0.003161	2.80	70.96	38.14	0.66
C.03.2	Tracciato - C.03	332.8	Tr500	CA366_SA	253.43	8.63	11.63		12.10	0.003133	3.03	83.59	39.44	0.67
C.03.2	Tracciato - C.03	312.8	Tr050	CA366_SA	124.37	8.63	10.72		11.03	0.003249	2.48	50.06	32.92	0.64
C.03.2	Tracciato - C.03	312.8	Tr200	CA366_SA	198.60	8.63	11.14		11.63	0.003912	3.08	64.45	35.15	0.73
C.03.2	Tracciato - C.03	312.8	Tr500	CA366_SA	253.43	8.63	11.43		12.02	0.004105	3.39	74.86	36.68	0.76
C.03.2	Tracciato - C.03	292.8	Tr050	CA366_SA	124.37	8.63	10.55	10.33	10.95	0.005007	2.78	44.70	34.49	0.78
C.03.2	Tracciato - C.03	292.8	Tr200	CA366_SA	198.60	8.63	10.87	10.77	11.51	0.006452	3.54	56.14	36.43	0.91
C.03.2	Tracciato - C.03	292.8	Tr500	CA366_SA	253.43	8.63	11.06	11.05	11.88	0.007420	4.02	63.12	37.58	0.99
C.03.2	Tracciato - C.03	272.8	Tr050	CA366_SA	124.37	8.63	10.28	10.28	10.80	0.008779	3.21	38.76	37.00	1.00
C.03.2	Tracciato - C.03	272.8	Tr200	CA366_SA	198.60	8.63	10.68	10.68	11.37	0.008054	3.66	54.26	39.75	1.00
C.03.2	Tracciato - C.03	272.8	Tr500	CA366_SA	253.43	8.63	10.93	10.93	11.72	0.007836	3.93	64.45	41.48	1.01
C.03.2	Tracciato - C.03	192.82	Tr050	CA366_SA	124.37	8.47	10.36	9.58	10.39	0.000465	0.80	154.90	130.10	0.23
C.03.2	Tracciato - C.03	192.82	Tr200	CA366_SA	198.60	8.47	10.73	9.76	10.78	0.000491	0.97	204.02	133.34	0.25
C.03.2	Tracciato - C.03	192.82	Tr500	CA366_SA	253.43	8.47	10.97	9.87	11.02	0.000502	1.07	235.77	134.82	0.26
C.03.2	Tracciato - C.03	172.82	Tr050	CA366_SA	124.37	8.47	10.30		10.37	0.001128	1.15	108.18	103.79	0.36
C.03.2	Tracciato - C.03	172.82	Tr200	CA366_SA	198.60	8.47	10.67		10.76	0.001128	1.35	147.26	111.09	0.37
C.03.2	Tracciato - C.03	172.82	Tr500	CA366_SA	253.43	8.47	10.90		11.00	0.001102	1.46	173.10	113.42	0.38

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
C.03.2	Tracciato - C.03	152.82	Tr050	CA366_SA	124.37	8.48	10.30		10.35	0.000721	0.97	128.73	114.61	0.29
C.03.2	Tracciato - C.03	152.82	Tr200	CA366_SA	198.60	8.48	10.66		10.73	0.000740	1.16	171.04	117.73	0.31
C.03.2	Tracciato - C.03	152.82	Tr500	CA366_SA	253.43	8.48	10.90		10.98	0.000757	1.28	198.61	120.61	0.32
C.03.2	Tracciato - C.03	132.82	Tr050	CA366_SA	124.37	7.38	10.29		10.33	0.000610	0.87	142.26	129.23	0.27
C.03.2	Tracciato - C.03	132.82	Tr200	CA366_SA	198.60	7.38	10.66		10.72	0.000609	1.04	190.31	132.42	0.28
C.03.2	Tracciato - C.03	132.82	Tr500	CA366_SA	253.43	7.38	10.89		10.96	0.000611	1.14	221.50	134.46	0.28
C.03.2	Tracciato - C.03	112.82	Tr050	CA366_SA	124.37	7.04	10.29		10.32	0.000346	0.71	173.99	139.94	0.20
C.03.2	Tracciato - C.03	112.82	Tr200	CA366_SA	198.60	7.04	10.66		10.70	0.000377	0.88	226.12	142.45	0.22
C.03.2	Tracciato - C.03	112.82	Tr500	CA366_SA	253.43	7.04	10.90		10.95	0.000393	0.98	259.77	143.98	0.23
C.03.2	Tracciato - C.03	92.81	Tr050	CA366_SA	124.37	7.88	10.29		10.31	0.000349	0.70	177.84	149.02	0.20
C.03.2	Tracciato - C.03	92.81	Tr200	CA366_SA	198.60	7.88	10.66		10.69	0.000366	0.85	233.16	150.43	0.22
C.03.2	Tracciato - C.03	92.81	Tr500	CA366_SA	253.43	7.88	10.89		10.94	0.000375	0.94	268.65	151.29	0.23
C.03.2	Tracciato - C.03	72.82	Tr050	CA366_SA	124.37	8.19	10.28		10.30	0.000287	0.65	190.40	152.97	0.19
C.03.2	Tracciato - C.03	72.82	Tr200	CA366_SA	198.60	8.19	10.65		10.68	0.000315	0.80	247.61	156.51	0.20
C.03.2	Tracciato - C.03	72.82	Tr500	CA366_SA	253.43	8.19	10.89		10.93	0.000328	0.89	284.74	158.72	0.21
C.03.2	Tracciato - C.03	52.82	Tr050	CA366_SA	124.37	8.22	10.28		10.30	0.000285	0.64	195.23	161.70	0.19
C.03.2	Tracciato - C.03	52.82	Tr200	CA366_SA	198.60	8.22	10.65		10.68	0.000304	0.78	255.62	164.79	0.20
C.03.2	Tracciato - C.03	52.82	Tr500	CA366_SA	253.43	8.22	10.88		10.92	0.000314	0.86	294.70	166.76	0.21
C.03.2	Tracciato - C.03	32.82	Tr050	CA366_SA	124.37	7.96	10.26		10.29	0.000393	0.74	168.84	143.26	0.22
C.03.2	Tracciato - C.03	32.82	Tr200	CA366_SA	198.60	7.96	10.63		10.67	0.000430	0.89	224.33	154.57	0.23
C.03.2	Tracciato - C.03	32.82	Tr500	CA366_SA	253.43	7.96	10.86		10.91	0.000436	0.97	260.89	157.98	0.24
C.03.2	Tracciato - C.03	12.81	Tr050	CA366_SA	124.37	7.82	10.25		10.28	0.000384	0.75	166.82	136.73	0.22
C.03.2	Tracciato - C.03	12.81	Tr200	CA366_SA	198.60	7.82	10.62		10.66	0.000423	0.91	217.38	140.95	0.23
C.03.2	Tracciato - C.03	12.81	Tr500	CA366_SA	253.43	7.82	10.85		10.90	0.000440	1.01	250.42	143.53	0.24
C.03.2	Tracciato - C.03	1	Tr050	CA366_SA	124.37	7.77	10.24	9.50	10.28	0.000600	0.85	145.50	134.84	0.26
C.03.2	Tracciato - C.03	1	Tr200	CA366_SA	198.60	7.77	10.60	9.71	10.65	0.000601	1.02	195.14	139.21	0.27
C.03.2	Tracciato - C.03	1	Tr500	CA366_SA	253.43	7.77	10.83	9.84	10.90	0.000600	1.11	227.67	141.83	0.28
C.03	Tracciato - C.03	431.14	Tr050	CA366_SA	124.37	35.03	37.29	36.83	37.41	0.002109	1.54	80.65	79.34	0.49
C.03	Tracciato - C.03	431.14	Tr200	CA366_SA	198.60	35.03	37.71	37.10	37.86	0.001750	1.73	114.66	81.84	0.47
C.03	Tracciato - C.03	431.14	Tr500	CA366_SA	253.43	35.03	37.97	37.28	38.14	0.001630	1.86	135.97	82.05	0.46
C.03	Tracciato - C.03	411.14	Tr050	CA366_SA	124.37	35.02	37.09		37.34	0.004622	2.17	57.22	60.54	0.71
C.03	Tracciato - C.03	411.14	Tr200	CA366_SA	198.60	35.02	37.52		37.80	0.003749	2.35	84.63	68.10	0.67
C.03	Tracciato - C.03	411.14	Tr500	CA366_SA	253.43	35.02	37.77		38.08	0.003527	2.47	102.74	73.06	0.66
C.03	Tracciato - C.03	391.14	Tr050	CA366_SA	124.37	34.59	36.72	36.72	37.19	0.009386	3.01	41.34	45.57	1.01
C.03	Tracciato - C.03	391.14	Tr200	CA366_SA	198.60	34.59	37.09	37.09	37.66	0.008662	3.33	59.66	53.24	1.00
C.03	Tracciato - C.03	391.14	Tr500	CA366_SA	253.43	34.59	37.32	37.32	37.95	0.008397	3.52	72.06	57.86	1.01
C.03	Tracciato - C.03	371.15	Tr050	CA366_SA	124.37	34.30	36.01	36.27	36.87	0.022437	4.10	30.32	40.44	1.51
C.03	Tracciato - C.03	371.15	Tr200	CA366_SA	198.60	34.30	36.34	36.63	37.37	0.019079	4.49	44.19	45.51	1.46
C.03	Tracciato - C.03	371.15	Tr500	CA366_SA	253.43	34.30	36.55	36.86	37.67	0.017247	4.69	54.04	48.38	1.42
C.03	Tracciato - C.03	351.17	Tr050	CA366_SA	124.37	33.94	35.14	35.52	36.32	0.030333	4.81	25.85	34.11	1.77
C.03	Tracciato - C.03	351.17	Tr200	CA366_SA	198.60	33.94	35.46	35.91	36.87	0.027577	5.26	37.72	40.48	1.74
C.03	Tracciato - C.03	351.17	Tr500	CA366_SA	253.43	33.94	35.65	36.17	37.21	0.025741	5.52	45.93	43.62	1.72
C.03	Tracciato - C.03	331.16	Tr050	CA366_SA	124.37	33.36	35.44	35.44	35.97	0.008955	3.22	38.63	37.24	1.01
C.03	Tracciato - C.03	331.16	Tr200	CA366_SA	198.60	33.36	35.88	35.89	36.50	0.008518	3.48	57.13	47.27	1.01
C.03	Tracciato - C.03	331.16	Tr500	CA366_SA	253.43	33.36	36.14	36.14	36.80	0.008246	3.60	70.33	53.81	1.01
C.03	Tracciato - C.03	306.16	Tr050	CA366_SA	124.37	32.98	35.02	35.14	35.70	0.011824	3.64	34.20	33.62	1.15
C.03	Tracciato - C.03	306.16	Tr200	CA366_SA	198.60	32.98	35.47	35.58	36.25	0.010294	3.91	50.82	40.43	1.11
C.03	Tracciato - C.03	306.16	Tr500	CA366_SA	253.43	32.98	35.95	35.84	36.58	0.006534	3.52	72.05	47.74	0.91
C.03	Tracciato - C.03	291.15	Tr050	CA366_SA	124.37	32.00	34.79	34.89	35.52	0.010982	3.78	32.90	28.34	1.12
C.03	Tracciato - C.03	291.15	Tr200	CA366_SA	198.60	32.00	35.31	35.40	36.12	0.009915	3.98	49.91	37.07	1.09
C.03	Tracciato - C.03	291.15	Tr500	CA366_SA	253.43	32.00	35.70	35.70	36.46	0.008101	3.85	65.76	44.17	1.01
C.03	Tracciato - C.03	271.16	Tr050	CA366_SA	124.37	31.59	34.14	34.49	35.20	0.017844	4.58	27.18	25.20	1.41
C.03	Tracciato - C.03	271.16	Tr200	CA366_SA	198.60	31.59	34.58	34.97	35.81	0.018298	4.91	40.46	34.70	1.45
C.03	Tracciato - C.03	271.16	Tr500	CA366_SA	253.43	31.59	34.82	35.26	36.17	0.018194	5.13	49.36	39.50	1.47
C.03	Tracciato - C.03	251.16	Tr050	CA366_SA	124.37	31.50	33.88	34.22	34.79	0.018979	4.24	29.32	32.40	1.42
C.03	Tracciato - C.03	251.16	Tr200	CA366_SA	198.60	31.50	35.15	34.47	35.30	0.001382	1.69	117.44	69.48	0.42
C.03	Tracciato - C.03	251.16	Tr500	CA366_SA	253.43	31.50	35.64	34.54	35.78	0.001018	1.67	151.60	72.19	0.37
C.03	Tracciato - C.03	231.15	Tr050	CA366_SA	124.37	31.50	34.25	33.85	34.49	0.003576	2.15	57.81	50.91	0.64
C.03	Tracciato - C.03	231.15	Tr200	CA366_SA	198.60	31.50	35.11		35.27	0.001681	1.76	113.08	76.58	0.46
C.03	Tracciato - C.03	231.15	Tr500	CA366_SA	253.43	31.50	35.62		35.76	0.001094	1.65	153.14	81.69	0.39
C.03	Tracciato - C.03	211.16	Tr050	CA366_SA	124.37	31.37	34.22		34.40	0.003291	1.88	66.10	66.61	0.60
C.03	Tracciato - C.03	211.16	Tr200	CA366_SA	198.60	31.37	35.12		35.23	0.001033	1.47	134.84	81.97	0.37
C.03	Tracciato - C.03	211.16	Tr500	CA366_SA	253.43	31.37	35.62		35.73	0.000705	1.44	176.60	83.21	0.31
C.03	Tracciato - C.03	186.15	Tr050	CA366_SA	124.37	31.06	34.21	33.39	34.33	0.001570	1.58	78.87	59.91	0.44
C.03	Tracciato - C.03	186.15	Tr200	CA366_SA	198.60	31.06	35.13	33.77	35.20	0.000534	1.18	168.46	85.68	0.27
C.03	Tracciato - C.03	186.15	Tr500	CA366_SA	253.43	31.06	35.63	34.05	35.71	0.000417	1.19	212.31	87.58	0.24
C.03	Tracciato - C.03	171.15	Tr050	CA366_SA	124.37	30.74	34.20	33.27	34.31	0.001047	1.45	85.75	54.21	0.37
C.03	Tracciato - C.03	171.15	Tr200	CA366_SA	198.60	30.74	35.08	33.65	35.19	0.000695	1.44	138.10	65.03	0.32
C.03	Tracciato - C.03	171.15	Tr500	CA366_SA	253.43	30.74	35.59	33.88	35.69	0.000818	1.42	178.52	96.53	0.33

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
C.03	Tracciato - C.03	151.15	Tr050	CA366_SA	124.37	30.29	34.20		34.29	0.000672	1.27	97.98	54.00	0.30
C.03	Tracciato - C.03	151.15	Tr200	CA366_SA	198.60	30.29	35.08		35.17	0.000495	1.35	147.37	58.77	0.27
C.03	Tracciato - C.03	151.15	Tr500	CA366_SA	253.43	30.29	35.58		35.68	0.000458	1.43	177.35	60.97	0.27
C.03	Tracciato - C.03	131.15	Tr050	CA366_SA	124.37	30.24	34.16		34.27	0.001010	1.45	85.78	52.26	0.36
C.03	Tracciato - C.03	131.15	Tr200	CA366_SA	198.60	30.24	35.05		35.16	0.000653	1.45	136.84	59.90	0.31
C.03	Tracciato - C.03	131.15	Tr500	CA366_SA	253.43	30.24	35.55		35.67	0.000571	1.51	167.73	62.37	0.29
C.03	Tracciato - C.03	111.15	Tr050	CA366_SA	124.37	29.84	34.16		34.24	0.000649	1.28	97.30	51.06	0.30
C.03	Tracciato - C.03	111.15	Tr200	CA366_SA	198.60	29.84	35.05		35.14	0.000514	1.36	145.95	58.54	0.28
C.03	Tracciato - C.03	111.15	Tr500	CA366_SA	253.43	29.84	35.55		35.66	0.000489	1.44	176.57	63.07	0.27
C.03	Tracciato - C.03	91.15	Tr050	CA366_SA	124.37	29.75	34.16		34.23	0.000484	1.20	103.50	47.92	0.26
C.03	Tracciato - C.03	91.15	Tr200	CA366_SA	198.60	29.75	35.04		35.13	0.000436	1.34	148.75	54.38	0.26
C.03	Tracciato - C.03	91.15	Tr500	CA366_SA	253.43	29.75	35.54		35.65	0.000436	1.43	177.05	58.26	0.26
C.03	Tracciato - C.03	71.15	Tr050	CA366_SA	124.37	29.54	34.15		34.22	0.000416	1.19	104.25	43.31	0.25
C.03	Tracciato - C.03	71.15	Tr200	CA366_SA	198.60	29.54	35.03		35.12	0.000447	1.35	147.23	53.92	0.26
C.03	Tracciato - C.03	71.15	Tr500	CA366_SA	253.43	29.54	35.53		35.64	0.000463	1.44	175.84	59.91	0.27
C.03	Tracciato - C.03	51.14	Tr050	CA366_SA	124.37	29.52	34.16		34.20	0.000230	0.91	136.15	55.00	0.19
C.03	Tracciato - C.03	51.14	Tr200	CA366_SA	198.60	29.52	35.05		35.10	0.000244	1.05	189.47	65.11	0.20
C.03	Tracciato - C.03	51.14	Tr500	CA366_SA	253.43	29.52	35.55		35.62	0.000253	1.13	223.69	70.33	0.20
C.03	Tracciato - C.03	36.13	Tr050	CA366_SA	124.37	29.52	34.15		34.20	0.000328	1.02	121.98	54.10	0.22
C.03	Tracciato - C.03	36.13	Tr200	CA366_SA	198.60	29.52	35.03		35.10	0.000310	1.15	173.34	61.57	0.22
C.03	Tracciato - C.03	36.13	Tr500	CA366_SA	253.43	29.52	35.54		35.61	0.000317	1.23	205.56	66.33	0.22
C.03	Tracciato - C.03	11.13	Tr050	CA366_SA	124.37	29.52	34.14	32.03	34.19	0.000300	0.98	127.08	56.68	0.21
C.03	Tracciato - C.03	11.13	Tr200	CA366_SA	198.60	29.52	35.03	32.54	35.09	0.000300	1.09	182.84	69.77	0.21
C.03	Tracciato - C.03	11.13	Tr500	CA366_SA	253.43	29.52	35.54	32.84	35.60	0.000300	1.15	220.32	77.18	0.22
B.19.bis	Tracciato - B.19	117.13	Tr050	CA366_SA	5.09	37.39	37.75	37.81	37.94	0.041068	1.93	2.64	17.33	1.58
B.19.bis	Tracciato - B.19	117.13	Tr200	CA366_SA	8.02	37.39	37.80	37.88	38.04	0.041036	2.16	3.71	20.45	1.62
B.19.bis	Tracciato - B.19	117.13	Tr500	CA366_SA	10.10	37.39	37.84	37.93	38.11	0.041010	2.31	4.38	21.88	1.65
B.19.bis	Tracciato - B.19	97.13	Tr050	CA366_SA	5.09	37.21	37.55	37.55	37.63	0.016661	1.28	3.97	24.35	1.02
B.19.bis	Tracciato - B.19	97.13	Tr200	CA366_SA	8.02	37.21	37.61	37.61	37.71	0.015752	1.40	5.74	29.71	1.02
B.19.bis	Tracciato - B.19	97.13	Tr500	CA366_SA	10.10	37.21	37.65	37.65	37.76	0.015121	1.45	6.95	32.87	1.01
B.19.bis	Tracciato - B.19	77.13	Tr050	CA366_SA	5.09	35.67	36.18	36.39	36.93	0.083190	3.82	1.33	5.20	2.41
B.19.bis	Tracciato - B.19	77.13	Tr200	CA366_SA	8.02	35.67	36.31	36.54	37.08	0.064290	3.89	2.06	6.45	2.20
B.19.bis	Tracciato - B.19	77.13	Tr500	CA366_SA	10.10	35.67	36.38	36.62	37.17	0.056115	3.92	2.58	7.20	2.09
B.19.bis	Tracciato - B.19	57.13	Tr050	CA366_SA	5.09	34.61	35.65	35.40	35.71	0.002918	1.08	4.71	9.50	0.49
B.19.bis	Tracciato - B.19	57.13	Tr200	CA366_SA	8.02	34.61	35.92	35.55	35.98	0.002004	1.05	7.63	12.13	0.42
B.19.bis	Tracciato - B.19	57.13	Tr500	CA366_SA	10.10	34.61	35.97	35.64	36.04	0.002609	1.23	8.21	12.60	0.49
B.19.bis	Tracciato - B.19	37.13	Tr050	CA366_SA	5.09	34.10	35.29	35.29	35.58	0.013741	2.38	2.14	3.77	1.01
B.19.bis	Tracciato - B.19	37.13	Tr200	CA366_SA	8.02	34.10	35.50	35.50	35.86	0.013693	2.66	3.01	4.47	1.04
B.19.bis	Tracciato - B.19	37.13	Tr500	CA366_SA	10.10	34.10	35.80	35.80	35.93	0.015839	1.60	6.33	25.79	1.03
B.19.bis	Tracciato - B.19	17.12	Tr050	CA366_SA	5.09	33.23	35.11	33.73	35.11	0.000004	0.07	70.06	58.40	0.02
B.19.bis	Tracciato - B.19	17.12	Tr200	CA366_SA	8.02	33.23	35.11	33.84	35.11	0.000009	0.11	70.06	58.40	0.03
B.19.bis	Tracciato - B.19	17.12	Tr500	CA366_SA	10.10	33.23	35.11	33.91	35.11	0.000015	0.14	70.06	58.40	0.04
A.16	Tracciato - A.16	371.91	Tr050	CA366_SA	6.36	8.55	8.86	8.88	8.99	0.018999	1.57	4.04	20.18	1.12
A.16	Tracciato - A.16	371.91	Tr200	CA366_SA	9.82	8.55	8.93	8.96	9.09	0.019032	1.76	5.57	23.46	1.15
A.16	Tracciato - A.16	371.91	Tr500	CA366_SA	12.30	8.55	8.97	9.00	9.15	0.019002	1.87	6.59	25.41	1.17
A.16	Tracciato - A.16	351.91	Tr050	CA366_SA	6.36	8.03	8.36	8.40	8.53	0.028124	1.82	3.49	18.68	1.35
A.16	Tracciato - A.16	351.91	Tr200	CA366_SA	9.82	8.03	8.42	8.48	8.63	0.027131	2.02	4.85	21.65	1.37
A.16	Tracciato - A.16	351.91	Tr500	CA366_SA	12.30	8.03	8.46	8.53	8.70	0.026713	2.14	5.76	23.41	1.38
A.16	Tracciato - A.16	331.89	Tr050	CA366_SA	6.36	7.87	8.14	8.10	8.20	0.008437	1.09	5.82	27.22	0.76
A.16	Tracciato - A.16	331.89	Tr200	CA366_SA	9.82	7.87	8.21	8.16	8.29	0.008307	1.28	7.68	28.10	0.78
A.16	Tracciato - A.16	331.89	Tr500	CA366_SA	12.30	7.87	8.25	8.20	8.35	0.008355	1.39	8.84	28.63	0.80
A.16	Tracciato - A.16	311.88	Tr050	CA366_SA	6.36	7.47	7.87	7.87	7.97	0.015407	1.44	4.42	21.55	1.01
A.16	Tracciato - A.16	311.88	Tr200	CA366_SA	9.82	7.47	7.95	7.95	8.07	0.014512	1.57	6.24	25.39	1.01
A.16	Tracciato - A.16	311.88	Tr500	CA366_SA	12.30	7.47	7.99	7.99	8.13	0.014024	1.64	7.48	27.77	1.01
A.16	Tracciato - A.16	291.88	Tr050	CA366_SA	6.36	7.00	7.61	7.44	7.66	0.003236	0.97	6.59	18.06	0.51
A.16	Tracciato - A.16	291.88	Tr200	CA366_SA	9.82	7.00	7.74	7.54	7.80	0.003119	1.06	9.23	21.30	0.52
A.16	Tracciato - A.16	291.88	Tr500	CA366_SA	12.30	7.00	7.82	7.60	7.89	0.003074	1.12	10.98	23.20	0.52
A.16	Tracciato - A.16	271.86	Tr050	CA366_SA	6.36	6.73	7.37	7.37	7.53	0.013462	1.77	3.60	11.62	1.01
A.16	Tracciato - A.16	271.86	Tr200	CA366_SA	9.82	6.73	7.49	7.49	7.68	0.012799	1.93	5.09	13.82	1.02
A.16	Tracciato - A.16	271.86	Tr500	CA366_SA	12.30	6.73	7.56	7.56	7.77	0.012046	2.00	6.16	15.19	1.00
A.16	Tracciato - A.16	251.85	Tr050	CA366_SA	6.36	6.46	6.81	6.89	7.07	0.046520	2.22	2.86	16.61	1.71
A.16	Tracciato - A.16	251.85	Tr200	CA366_SA	9.82	6.46	6.87	6.97	7.21	0.050035	2.60	3.78	18.30	1.83
A.16	Tracciato - A.16	251.85	Tr500	CA366_SA	12.30	6.46	6.90	7.02	7.31	0.050758	2.84	4.33	18.51	1.88
A.16	Tracciato - A.16	231.84	Tr050	CA366_SA	6.36	5.94	6.24	6.27	6.39	0.023762	1.70	3.74	19.54	1.24
A.16	Tracciato - A.16	231.84	Tr200	CA366_SA	9.82	5.94	6.30	6.35	6.50	0.023851	1.95	5.04	21.59	1.29
A.16	Tracciato - A.16	231.84	Tr500	CA366_SA	12.30	5.94	6.34	6.39	6.57	0.024669	2.11	5.83	22.74	1.33
A.16	Tracciato - A.16	211.83	Tr050	CA366_SA	6.36	5.41	6.05	5.99	6.11	0.006707	1.09	5.84	22.90	0.69
A.16	Tracciato - A.16	211.83	Tr200	CA366_SA	9.82	5.41	6.14	6.06	6.22	0.006104	1.25	7.87	23.44	0.69
A.16	Tracciato - A.16	211.83	Tr500	CA366_SA	12.30	5.41	6.20	6.11	6.29	0.005826	1.34	9.19	23.77	0.69

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Cht
A.16	Tracciato - A.16	191.83	Tr050	CA366_SA	6.36	5.08	5.78	5.78	5.91	0.015031	1.60	3.98	15.77	1.01
A.16	Tracciato - A.16	191.83	Tr200	CA366_SA	9.82	5.08	5.88	5.88	6.04	0.013893	1.73	5.69	18.90	1.00
A.16	Tracciato - A.16	191.83	Tr500	CA366_SA	12.30	5.08	5.94	5.94	6.11	0.013953	1.83	6.73	20.58	1.02
A.16	Tracciato - A.16	171.82	Tr050	CA366_SA	6.36	4.75	5.58	5.16	5.59	0.000438	0.48	13.19	22.50	0.20
A.16	Tracciato - A.16	171.82	Tr200	CA366_SA	9.82	4.75	5.72	5.23	5.74	0.000532	0.60	16.41	23.37	0.23
A.16	Tracciato - A.16	171.82	Tr500	CA366_SA	12.30	4.75	5.80	5.28	5.82	0.000596	0.67	18.32	23.87	0.24
A.16	Tracciato - A.16	151.76	Tr050	CA366_SA	6.36	4.77	5.40	5.40	5.55	0.013817	1.73	3.68	12.52	1.02
A.16	Tracciato - A.16	151.76	Tr200	CA366_SA	9.82	4.77	5.51	5.51	5.69	0.013038	1.88	5.22	14.97	1.02
A.16	Tracciato - A.16	151.76	Tr500	CA366_SA	12.30	4.77	5.58	5.58	5.77	0.012272	1.94	6.33	16.51	1.00
A.16	Tracciato - A.16	131.74	Tr050	CA366_SA	6.36	4.55	5.24	5.13	5.32	0.005287	1.19	5.33	15.37	0.65
A.16	Tracciato - A.16	131.74	Tr200	CA366_SA	9.82	4.55	5.38	5.24	5.46	0.004873	1.29	7.62	18.37	0.64
A.16	Tracciato - A.16	131.74	Tr500	CA366_SA	12.30	4.55	5.46	5.31	5.55	0.004677	1.34	9.16	20.14	0.64
A.16	Tracciato - A.16	111.74	Tr050	CA366_SA	6.36	4.46	5.19		5.23	0.002737	0.91	6.98	18.42	0.47
A.16	Tracciato - A.16	111.74	Tr200	CA366_SA	9.82	4.46	5.33		5.39	0.002609	1.00	9.86	21.95	0.47
A.16	Tracciato - A.16	111.74	Tr500	CA366_SA	12.30	4.46	5.42		5.47	0.002548	1.04	11.79	24.02	0.48
A.16	Tracciato - A.16	91.74	Tr050	CA366_SA	6.36	4.24	4.95	4.95	5.12	0.013299	1.80	3.53	10.91	1.01
A.16	Tracciato - A.16	91.74	Tr200	CA366_SA	9.82	4.24	5.07	5.07	5.27	0.012620	1.97	4.99	12.99	1.01
A.16	Tracciato - A.16	91.74	Tr500	CA366_SA	12.30	4.24	5.15	5.15	5.36	0.011956	2.04	6.03	14.29	1.00
A.16	Tracciato - A.16	71.74	Tr050	CA366_SA	6.36	3.50	4.93	4.31	4.93	0.000118	0.28	22.60	32.15	0.11
A.16	Tracciato - A.16	71.74	Tr200	CA366_SA	9.82	3.50	4.93	4.38	4.94	0.000285	0.44	22.52	32.15	0.17
A.16	Tracciato - A.16	71.74	Tr500	CA366_SA	12.30	3.50	4.92	4.42	4.94	0.000452	0.55	22.44	32.14	0.21
A.16	Tracciato - A.16	54.84	Tr050	CA366_SA	6.36	3.40	4.93		4.93	0.000016	0.13	47.66	45.37	0.04
A.16	Tracciato - A.16	54.84	Tr200	CA366_SA	9.82	3.40	4.93		4.93	0.000037	0.21	47.65	45.36	0.06
A.16	Tracciato - A.16	54.84	Tr500	CA366_SA	12.30	3.40	4.93		4.93	0.000059	0.26	47.64	45.36	0.08
A.16	Tracciato - A.16	31.7	Tr050	CA366_SA	6.36	2.85	4.93		4.93	0.000008	0.10	62.49	52.11	0.03
A.16	Tracciato - A.16	31.7	Tr200	CA366_SA	9.82	2.85	4.93		4.93	0.000018	0.16	62.48	52.11	0.05
A.16	Tracciato - A.16	31.7	Tr500	CA366_SA	12.30	2.85	4.93		4.93	0.000029	0.20	62.47	52.11	0.06
A.16	Tracciato - A.16	11.69	Tr050	CA366_SA	6.36	2.34	4.93		4.93	0.000006	0.09	67.93	55.26	0.03
A.16	Tracciato - A.16	11.69	Tr200	CA366_SA	9.82	2.34	4.93		4.93	0.000015	0.14	67.91	55.26	0.04
A.16	Tracciato - A.16	11.69	Tr500	CA366_SA	12.30	2.34	4.93		4.93	0.000023	0.18	67.89	55.26	0.05
A.16	Tracciato - A.16	1	Tr050	CA366_SA	6.36	1.32	4.93	1.66	4.93	0.000001	0.05	136.86	60.00	0.01
A.16	Tracciato - A.16	1	Tr200	CA366_SA	9.82	1.32	4.93	1.75	4.93	0.000002	0.07	136.86	60.00	0.02
A.16	Tracciato - A.16	1	Tr500	CA366_SA	12.30	1.32	4.93	1.81	4.93	0.000003	0.09	136.86	60.00	0.02
A.15	Tracciato - A.15	141.36	Tr050	CA366_SA	0.30	15.93	17.83	17.86	17.91	0.073113	1.18	0.25	5.37	1.73
A.15	Tracciato - A.15	141.36	Tr200	CA366_SA	0.43	15.93	17.85	17.88	17.93	0.073103	1.29	0.33	6.15	1.77
A.15	Tracciato - A.15	141.36	Tr500	CA366_SA	0.50	15.93	17.85	17.88	17.95	0.073104	1.34	0.37	6.51	1.79
A.15	Tracciato - A.15	122.39	Tr050	CA366_SA	0.30	14.55	15.53	15.56	15.65	0.223464	1.57	0.19	6.04	2.83
A.15	Tracciato - A.15	122.39	Tr200	CA366_SA	0.43	14.55	15.54	15.58	15.69	0.219300	1.75	0.25	6.51	2.88
A.15	Tracciato - A.15	122.39	Tr500	CA366_SA	0.50	14.55	15.54	15.58	15.71	0.217777	1.84	0.27	6.68	2.91
A.15	Tracciato - A.15	102.54	Tr050	CA366_SA	0.30	14.00	14.10	14.11	14.15	0.036960	0.94	0.32	5.69	1.27
A.15	Tracciato - A.15	102.54	Tr200	CA366_SA	0.43	14.00	14.12	14.13	14.17	0.037508	1.04	0.41	6.33	1.31
A.15	Tracciato - A.15	102.54	Tr500	CA366_SA	0.50	14.00	14.12	14.14	14.19	0.037775	1.09	0.46	6.63	1.32
A.15	Tracciato - A.15	82.55	Tr050	CA366_SA	0.30	12.40	12.46	12.49	12.59	0.251040	1.62	0.19	6.16	2.97
A.15	Tracciato - A.15	82.55	Tr200	CA366_SA	0.43	12.40	12.47	12.51	12.62	0.238645	1.74	0.25	7.11	2.97
A.15	Tracciato - A.15	82.55	Tr500	CA366_SA	0.50	12.40	12.47	12.51	12.64	0.233482	1.79	0.28	7.56	2.97
A.15	Tracciato - A.15	62.57	Tr050	CA366_SA	0.30	10.64	10.70	10.71	10.72	0.047271	0.70	0.43	14.49	1.29
A.15	Tracciato - A.15	62.57	Tr200	CA366_SA	0.43	10.64	10.71	10.72	10.74	0.048703	0.80	0.54	15.05	1.35
A.15	Tracciato - A.15	62.57	Tr500	CA366_SA	0.50	10.64	10.71	10.72	10.75	0.049368	0.85	0.59	15.32	1.37
A.15	Tracciato - A.15	22.66	Tr050	CA366_SA	0.30	4.61	4.65	4.70	5.18	1.602533	3.22	0.09	4.43	7.08
A.15	Tracciato - A.15	22.66	Tr200	CA366_SA	0.43	4.61	4.66	4.72	5.21	1.331332	3.28	0.13	5.25	6.64
A.15	Tracciato - A.15	22.66	Tr500	CA366_SA	0.50	4.61	4.66	4.72	5.22	1.232841	3.31	0.15	5.63	6.46
A.15	Tracciato - A.15	2.66	Tr050	CA366_SA	0.30	4.00	4.04	4.04	4.06	0.028331	0.57	0.53	16.17	1.01
A.15	Tracciato - A.15	2.66	Tr200	CA366_SA	0.43	4.00	4.05	4.05	4.07	0.026166	0.62	0.69	17.60	1.00
A.15	Tracciato - A.15	2.66	Tr500	CA366_SA	0.50	4.00	4.06	4.06	4.08	0.025423	0.64	0.78	18.90	1.00
A.15	Tracciato - A.15	1	Tr050	CA366_SA	0.30	3.87	3.90	3.92	3.96	0.155189	1.08	0.28	11.72	2.25
A.15	Tracciato - A.15	1	Tr200	CA366_SA	0.43	3.87	3.91	3.93	3.98	0.148485	1.20	0.36	12.61	2.27
A.15	Tracciato - A.15	1	Tr500	CA366_SA	0.50	3.87	3.91	3.94	3.99	0.138252	1.23	0.41	13.12	2.22
A.14	Tracciato - A.14	391.85	Tr050	CA366_SA	1.49	18.00	18.14	18.19	18.30	0.065027	1.75	0.85	9.04	1.83
A.14	Tracciato - A.14	391.85	Tr200	CA366_SA	2.15	18.00	18.17	18.23	18.36	0.065042	1.94	1.11	10.18	1.88
A.14	Tracciato - A.14	391.85	Tr500	CA366_SA	2.58	18.00	18.18	18.25	18.39	0.065036	2.04	1.27	10.81	1.90
A.14	Tracciato - A.14	372.85	Tr050	CA366_SA	1.49	16.71	16.88	16.94	17.09	0.062190	2.01	0.74	6.22	1.86
A.14	Tracciato - A.14	372.85	Tr200	CA366_SA	2.15	16.71	16.92	16.99	17.16	0.060245	2.21	0.97	6.94	1.89
A.14	Tracciato - A.14	372.85	Tr500	CA366_SA	2.58	16.71	16.94	17.02	17.21	0.059334	2.31	1.12	7.34	1.88
A.14	Tracciato - A.14	352.91	Tr050	CA366_SA	1.49	16.00	16.08	16.09	16.14	0.034138	1.12	1.33	17.25	1.28
A.14	Tracciato - A.14	352.91	Tr200	CA366_SA	2.15	16.00	16.10	16.12	16.19	0.037059	1.32	1.63	17.59	1.38
A.14	Tracciato - A.14	352.91	Tr500	CA366_SA	2.58	16.00	16.11	16.14	16.21	0.038607	1.43	1.81	17.78	1.43
A.14	Tracciato - A.14	332.93	Tr050	CA366_SA	1.49	14.20	14.34	14.42	14.72	0.211312	2.75	0.54	7.13	3.18
A.14	Tracciato - A.14	332.93	Tr200	CA366_SA	2.15	14.20	14.37	14.46	14.77	0.173741	2.81	0.77	8.44	2.97
A.14	Tracciato - A.14	332.93	Tr500	CA366_SA	2.58	14.20	14.38	14.49	14.80	0.155258	2.88	0.90	8.72	2.87

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.14	Tracciato - A.14	312.93	Tr050	CA366_SA	1.49	14.00	14.18	14.11	14.20	0.003416	0.58	2.58	15.90	0.46
A.14	Tracciato - A.14	312.93	Tr200	CA366_SA	2.15	14.00	14.21	14.14	14.24	0.004030	0.69	3.10	16.55	0.51
A.14	Tracciato - A.14	312.93	Tr500	CA366_SA	2.58	14.00	14.23	14.16	14.26	0.004359	0.76	3.41	16.91	0.54
A.14	Tracciato - A.14	292.93	Tr050	CA366_SA	1.49	13.93	14.06	14.05	14.09	0.011273	0.67	2.24	27.39	0.74
A.14	Tracciato - A.14	292.93	Tr200	CA366_SA	2.15	13.93	14.08	14.07	14.11	0.011099	0.76	2.83	28.00	0.76
A.14	Tracciato - A.14	292.93	Tr500	CA366_SA	2.58	13.93	14.10	14.08	14.13	0.011039	0.81	3.18	28.34	0.77
A.14	Tracciato - A.14	272.93	Tr050	CA366_SA	1.49	13.55	13.74	13.74	13.79	0.020002	0.97	1.53	16.27	1.01
A.14	Tracciato - A.14	272.93	Tr200	CA366_SA	2.15	13.55	13.77	13.77	13.83	0.018866	1.05	2.06	18.86	1.01
A.14	Tracciato - A.14	272.93	Tr500	CA366_SA	2.58	13.55	13.79	13.79	13.85	0.018440	1.08	2.38	20.27	1.01
A.14	Tracciato - A.14	252.93	Tr050	CA366_SA	1.49	12.59	12.80	12.87	13.05	0.080367	2.25	0.66	5.71	2.10
A.14	Tracciato - A.14	252.93	Tr200	CA366_SA	2.15	12.59	12.83	12.92	13.13	0.077459	2.43	0.89	6.59	2.12
A.14	Tracciato - A.14	252.93	Tr500	CA366_SA	2.58	12.59	12.85	12.95	13.17	0.074131	2.50	1.03	7.10	2.10
A.14	Tracciato - A.14	232.93	Tr050	CA366_SA	1.49	12.00	12.20	12.11	12.21	0.002684	0.54	2.76	15.70	0.41
A.14	Tracciato - A.14	232.93	Tr200	CA366_SA	2.15	12.00	12.23	12.14	12.25	0.003100	0.64	3.34	16.31	0.45
A.14	Tracciato - A.14	232.93	Tr500	CA366_SA	2.58	12.00	12.25	12.16	12.28	0.003351	0.70	3.67	16.64	0.48
A.14	Tracciato - A.14	212.94	Tr050	CA366_SA	1.49	12.00	12.09		12.12	0.010713	0.69	2.16	24.18	0.74
A.14	Tracciato - A.14	212.94	Tr200	CA366_SA	2.15	12.00	12.11		12.15	0.011386	0.81	2.66	24.55	0.78
A.14	Tracciato - A.14	212.94	Tr500	CA366_SA	2.58	12.00	12.13		12.16	0.011494	0.87	2.97	24.78	0.80
A.14	Tracciato - A.14	192.94	Tr050	CA366_SA	1.49	11.68	11.79	11.79	11.82	0.021227	0.83	1.79	25.37	1.00
A.14	Tracciato - A.14	192.94	Tr200	CA366_SA	2.15	11.68	11.81	11.81	11.85	0.019679	0.93	2.32	26.34	1.00
A.14	Tracciato - A.14	192.94	Tr500	CA366_SA	2.58	11.68	11.82	11.82	11.87	0.019542	0.99	2.62	26.84	1.01
A.14	Tracciato - A.14	172.94	Tr050	CA366_SA	1.49	11.03	11.36	11.25	11.37	0.001915	0.45	3.30	19.09	0.35
A.14	Tracciato - A.14	172.94	Tr200	CA366_SA	2.15	11.03	11.40	11.28	11.42	0.002114	0.52	4.11	20.61	0.37
A.14	Tracciato - A.14	172.94	Tr500	CA366_SA	2.58	11.03	11.43	11.30	11.44	0.002241	0.56	4.58	21.43	0.39
A.14	Tracciato - A.14	152.94	Tr050	CA366_SA	1.49	11.03	11.23	11.23	11.28	0.019627	1.00	1.49	14.96	1.01
A.14	Tracciato - A.14	152.94	Tr200	CA366_SA	2.15	11.03	11.26	11.26	11.32	0.018085	1.06	2.02	17.43	1.00
A.14	Tracciato - A.14	152.94	Tr500	CA366_SA	2.58	11.03	11.28	11.28	11.34	0.018263	1.12	2.31	18.63	1.02
A.14	Tracciato - A.14	132.95	Tr050	CA366_SA	1.49	10.59	10.73	10.75	10.79	0.030732	1.09	1.36	16.89	1.23
A.14	Tracciato - A.14	132.95	Tr200	CA366_SA	2.15	10.59	10.75	10.77	10.83	0.033908	1.26	1.70	18.24	1.32
A.14	Tracciato - A.14	132.95	Tr500	CA366_SA	2.58	10.59	10.77	10.79	10.86	0.033496	1.33	1.94	19.14	1.33
A.14	Tracciato - A.14	112.95	Tr050	CA366_SA	1.49	9.91	10.04	10.05	10.09	0.040336	0.98	1.53	27.40	1.32
A.14	Tracciato - A.14	112.95	Tr200	CA366_SA	2.15	9.91	10.06	10.07	10.12	0.037455	1.06	2.04	30.74	1.31
A.14	Tracciato - A.14	112.95	Tr500	CA366_SA	2.58	9.91	10.07	10.08	10.13	0.038641	1.14	2.26	30.96	1.35
A.14	Tracciato - A.14	92.95	Tr050	CA366_SA	1.49	9.32	9.60	9.49	9.62	0.001976	0.50	2.96	14.95	0.36
A.14	Tracciato - A.14	92.95	Tr200	CA366_SA	2.15	9.32	9.65	9.52	9.67	0.002096	0.58	3.70	15.76	0.38
A.14	Tracciato - A.14	92.95	Tr500	CA366_SA	2.58	9.32	9.68	9.54	9.70	0.002134	0.62	4.16	16.23	0.39
A.14	Tracciato - A.14	65.57	Tr050	CA366_SA	1.49	9.25	9.43	9.43	9.49	0.017625	1.08	1.38	11.44	0.99
A.14	Tracciato - A.14	65.57	Tr200	CA366_SA	2.15	9.25	9.46	9.46	9.54	0.017131	1.20	1.79	12.38	1.01
A.14	Tracciato - A.14	65.57	Tr500	CA366_SA	2.58	9.25	9.49	9.49	9.57	0.016624	1.26	2.05	12.94	1.01
A.14	Tracciato - A.14	49.43	Tr050	CA366_SA	1.49	8.97	9.16	9.15	9.21	0.016640	1.05	1.41	11.64	0.97
A.14	Tracciato - A.14	49.43	Tr200	CA366_SA	2.15	8.97	9.19	9.19	9.26	0.016914	1.19	1.80	12.45	1.00
A.14	Tracciato - A.14	49.43	Tr500	CA366_SA	2.58	8.97	9.21	9.21	9.29	0.017518	1.28	2.01	12.87	1.03
A.14	Tracciato - A.14	33.29	Tr050	CA366_SA	1.49	8.68	8.88	8.88	8.94	0.017856	1.07	1.39	11.73	1.00
A.14	Tracciato - A.14	33.29	Tr200	CA366_SA	2.15	8.68	8.91	8.91	8.99	0.017600	1.20	1.80	12.76	1.02
A.14	Tracciato - A.14	33.29	Tr500	CA366_SA	2.58	8.68	8.93	8.93	9.01	0.016819	1.25	2.06	13.19	1.01
A.14	Tracciato - A.14	17.14	Tr050	CA366_SA	1.49	8.40	8.60	8.60	8.66	0.016809	1.05	1.42	11.90	0.97
A.14	Tracciato - A.14	17.14	Tr200	CA366_SA	2.15	8.40	8.63	8.63	8.71	0.018879	1.23	1.75	12.63	1.05
A.14	Tracciato - A.14	17.14	Tr500	CA366_SA	2.58	8.40	8.65	8.65	8.73	0.017764	1.27	2.02	13.15	1.04
A.14	Tracciato - A.14	1	Tr050	CA366_SA	1.49	8.11	8.32	8.32	8.38	0.018003	1.08	1.39	11.72	1.00
A.14	Tracciato - A.14	1	Tr200	CA366_SA	2.15	8.11	8.34	8.35	8.43	0.023422	1.33	1.62	12.19	1.16
A.14	Tracciato - A.14	1	Tr500	CA366_SA	2.58	8.11	8.37	8.37	8.45	0.017053	1.26	2.04	13.05	1.02
A.13	Tracciato - A.13	457.04	Tr050	CA366_SA	1.08	24.20	24.37	24.40	24.47	0.068042	1.41	0.76	11.63	1.76
A.13	Tracciato - A.13	457.04	Tr200	CA366_SA	1.69	24.20	24.39	24.43	24.52	0.068067	1.59	1.07	13.68	1.81
A.13	Tracciato - A.13	457.04	Tr500	CA366_SA	2.10	24.20	24.40	24.45	24.55	0.068070	1.68	1.25	14.81	1.84
A.13	Tracciato - A.13	437.04	Tr050	CA366_SA	1.08	22.86	23.05	23.10	23.21	0.057490	1.78	0.61	5.79	1.75
A.13	Tracciato - A.13	437.04	Tr200	CA366_SA	1.69	22.86	23.09	23.16	23.29	0.054859	1.98	0.85	6.66	1.77
A.13	Tracciato - A.13	437.04	Tr500	CA366_SA	2.10	22.86	23.11	23.19	23.34	0.053469	2.08	1.01	7.15	1.77
A.13	Tracciato - A.13	397.03	Tr050	CA366_SA	1.08	20.92	21.31	21.32	21.36	0.036871	0.99	1.10	18.12	1.28
A.13	Tracciato - A.13	397.03	Tr200	CA366_SA	1.69	20.92	21.33	21.35	21.40	0.039684	1.19	1.42	18.86	1.38
A.13	Tracciato - A.13	397.03	Tr500	CA366_SA	2.10	20.92	21.34	21.36	21.42	0.041302	1.30	1.62	19.29	1.43
A.13	Tracciato - A.13	377.03	Tr050	CA366_SA	1.08	20.00	20.06	20.10	20.19	0.104024	1.57	0.69	13.39	2.12
A.13	Tracciato - A.13	377.03	Tr200	CA366_SA	1.69	20.00	20.09	20.13	20.24	0.090448	1.73	0.98	13.60	2.06
A.13	Tracciato - A.13	377.03	Tr500	CA366_SA	2.10	20.00	20.10	20.15	20.27	0.084480	1.81	1.16	14.31	2.03
A.13	Tracciato - A.13	357.03	Tr050	CA366_SA	1.08	18.80	18.98	19.00	19.04	0.035474	1.02	1.06	16.35	1.27
A.13	Tracciato - A.13	357.03	Tr200	CA366_SA	1.69	18.80	19.01	19.02	19.08	0.039156	1.16	1.45	19.66	1.36
A.13	Tracciato - A.13	357.03	Tr500	CA366_SA	2.10	18.80	19.02	19.04	19.10	0.041301	1.25	1.69	21.38	1.42
A.13	Tracciato - A.13	337.03	Tr050	CA366_SA	1.08	17.82	18.03	18.05	18.10	0.065514	1.10	0.98	21.18	1.63
A.13	Tracciato - A.13	337.03	Tr200	CA366_SA	1.69	17.82	18.05	18.07	18.13	0.058320	1.23	1.37	22.96	1.61
A.13	Tracciato - A.13	337.03	Tr500	CA366_SA	2.10	17.82	18.06	18.09	18.15	0.055324	1.30	1.62	24.00	1.60

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.13	Tracciato - A.13	320.5	Tr050	CA366_SA	1.08	16.83	17.14	17.16	17.22	0.043217	1.31	0.82	10.01	1.46
A.13	Tracciato - A.13	320.5	Tr200	CA366_SA	1.69	16.83	17.16	17.20	17.28	0.045095	1.51	1.12	11.26	1.54
A.13	Tracciato - A.13	320.5	Tr500	CA366_SA	2.10	16.83	17.18	17.22	17.31	0.045976	1.62	1.29	11.96	1.57
A.13	Tracciato - A.13	308.85	Tr050	CA366_SA	1.08	16.15	16.29	16.35	16.48	0.099420	1.94	0.56	7.02	2.20
A.13	Tracciato - A.13	308.85	Tr200	CA366_SA	1.69	16.15	16.32	16.39	16.55	0.089574	2.12	0.80	8.16	2.16
A.13	Tracciato - A.13	308.85	Tr500	CA366_SA	2.10	16.15	16.34	16.42	16.59	0.085481	2.21	0.95	8.81	2.15
A.13	Tracciato - A.13	288.69	Tr050	CA366_SA	1.08	15.88	15.98	15.94	15.98	0.003252	0.35	3.05	37.78	0.40
A.13	Tracciato - A.13	288.69	Tr200	CA366_SA	1.69	15.88	16.00	15.95	16.01	0.003263	0.42	4.04	39.17	0.42
A.13	Tracciato - A.13	288.69	Tr500	CA366_SA	2.10	15.88	16.02	15.96	16.03	0.003357	0.46	4.58	39.37	0.43
A.13	Tracciato - A.13	277.04	Tr050	CA366_SA	1.08	15.79	15.88	15.88	15.90	0.023861	0.72	1.49	28.38	1.01
A.13	Tracciato - A.13	277.04	Tr200	CA366_SA	1.69	15.79	15.90	15.90	15.93	0.021544	0.81	2.09	31.04	1.00
A.13	Tracciato - A.13	277.04	Tr500	CA366_SA	2.10	15.79	15.91	15.91	15.94	0.020665	0.86	2.46	32.57	0.99
A.13	Tracciato - A.13	257.05	Tr050	CA366_SA	1.08	14.81	14.97	15.01	15.08	0.084159	1.51	0.72	11.66	1.94
A.13	Tracciato - A.13	257.05	Tr200	CA366_SA	1.69	14.81	15.00	15.03	15.10	0.106940	1.43	1.18	24.81	2.09
A.13	Tracciato - A.13	257.05	Tr500	CA366_SA	2.10	14.81	15.00	15.04	15.12	0.115242	1.53	1.37	27.61	2.19
A.13	Tracciato - A.13	237.05	Tr050	CA366_SA	1.08	13.28	13.48	13.53	13.64	0.061927	1.81	0.60	5.88	1.81
A.13	Tracciato - A.13	237.05	Tr200	CA366_SA	1.69	13.28	13.52	13.58	13.70	0.049047	1.85	0.91	7.26	1.67
A.13	Tracciato - A.13	237.05	Tr500	CA366_SA	2.10	13.28	13.55	13.61	13.73	0.046296	1.88	1.12	8.29	1.64
A.13	Tracciato - A.13	217.05	Tr050	CA366_SA	1.08	11.82	12.00	12.06	12.21	0.083718	2.00	0.54	5.67	2.08
A.13	Tracciato - A.13	217.05	Tr200	CA366_SA	1.69	11.82	12.03	12.11	12.33	0.100118	2.43	0.70	6.30	2.33
A.13	Tracciato - A.13	217.05	Tr500	CA366_SA	2.10	11.82	12.04	12.14	12.39	0.102566	2.60	0.81	6.71	2.39
A.13	Tracciato - A.13	197.06	Tr050	CA366_SA	1.08	10.73	11.01	11.05	11.14	0.035756	1.58	0.68	5.38	1.42
A.13	Tracciato - A.13	197.06	Tr200	CA366_SA	1.69	10.73	11.06	11.10	11.21	0.033251	1.73	0.97	6.35	1.41
A.13	Tracciato - A.13	197.06	Tr500	CA366_SA	2.10	10.73	11.08	11.13	11.26	0.033257	1.84	1.14	6.85	1.43
A.13	Tracciato - A.13	177.05	Tr050	CA366_SA	1.08	9.55	10.37	9.97	10.37	0.000512	0.32	3.34	11.72	0.19
A.13	Tracciato - A.13	177.05	Tr200	CA366_SA	1.69	9.55	10.49	10.05	10.49	0.000478	0.34	4.96	15.35	0.19
A.13	Tracciato - A.13	177.05	Tr500	CA366_SA	2.10	9.55	10.55	10.10	10.56	0.000450	0.35	6.04	17.35	0.19
A.13	Tracciato - A.13	157.05	Tr050	CA366_SA	1.08	9.72	10.21	10.21	10.33	0.015641	1.57	0.69	2.84	1.01
A.13	Tracciato - A.13	157.05	Tr200	CA366_SA	1.69	9.72	10.30	10.30	10.45	0.014676	1.71	0.99	3.39	1.01
A.13	Tracciato - A.13	157.05	Tr500	CA366_SA	2.10	9.72	10.35	10.35	10.52	0.014357	1.79	1.17	3.70	1.01
A.13	Tracciato - A.13	117.05	Tr050	CA366_SA	1.08	8.00	8.03	8.09	8.40	0.740931	2.70	0.40	13.90	5.07
A.13	Tracciato - A.13	117.05	Tr200	CA366_SA	1.69	8.00	8.04	8.11	8.59	0.794165	3.29	0.51	13.96	5.47
A.13	Tracciato - A.13	117.05	Tr500	CA366_SA	2.10	8.00	8.04	8.13	8.69	0.786273	3.57	0.59	14.00	5.56
A.13	Tracciato - A.13	97.05	Tr050	CA366_SA	1.08	8.00	8.06	8.04	8.07	0.006616	0.41	2.64	45.21	0.54
A.13	Tracciato - A.13	97.05	Tr200	CA366_SA	1.69	8.00	8.08	8.05	8.09	0.006627	0.45	3.74	54.95	0.55
A.13	Tracciato - A.13	97.05	Tr500	CA366_SA	2.10	8.00	8.09	8.06	8.10	0.006729	0.49	4.25	55.15	0.57
A.13	Tracciato - A.13	77.05	Tr050	CA366_SA	1.08	7.76	7.86	7.85	7.87	0.016012	0.56	1.92	39.24	0.81
A.13	Tracciato - A.13	77.05	Tr200	CA366_SA	1.69	7.76	7.87	7.86	7.89	0.016009	0.63	2.68	46.28	0.84
A.13	Tracciato - A.13	77.05	Tr500	CA366_SA	2.10	7.76	7.88	7.87	7.91	0.016009	0.67	3.15	50.21	0.85
A.12	Tracciato - A.12	428.23	Tr050	CA366_SA	0.40	42.49	42.61	42.69	42.92	0.180320	2.44	0.16	2.27	2.90
A.12	Tracciato - A.12	428.23	Tr200	CA366_SA	0.68	42.49	42.64	42.74	43.06	0.180356	2.86	0.24	2.60	3.02
A.12	Tracciato - A.12	428.23	Tr500	CA366_SA	0.88	42.49	42.66	42.77	43.14	0.180113	3.08	0.29	2.79	3.07
A.12	Tracciato - A.12	409.23	Tr050	CA366_SA	0.40	38.99	39.17	39.26	39.54	0.174196	2.71	0.15	1.67	2.92
A.12	Tracciato - A.12	409.23	Tr200	CA366_SA	0.68	38.99	39.21	39.32	39.69	0.173357	3.09	0.22	2.04	3.01
A.12	Tracciato - A.12	409.23	Tr500	CA366_SA	0.88	38.99	39.23	39.36	39.78	0.173099	3.30	0.27	2.25	3.06
A.12	Tracciato - A.12	389.24	Tr050	CA366_SA	0.40	35.80	36.00	36.09	36.34	0.147065	2.58	0.16	1.67	2.70
A.12	Tracciato - A.12	389.24	Tr200	CA366_SA	0.68	35.80	36.04	36.15	36.48	0.148078	2.95	0.23	2.04	2.80
A.12	Tracciato - A.12	389.24	Tr500	CA366_SA	0.88	35.80	36.06	36.19	36.56	0.148490	3.15	0.28	2.25	2.85
A.12	Tracciato - A.12	369.24	Tr050	CA366_SA	0.40	32.97	33.16	33.25	33.50	0.136849	2.56	0.16	1.60	2.61
A.12	Tracciato - A.12	369.24	Tr200	CA366_SA	0.68	32.97	33.21	33.32	33.64	0.135856	2.92	0.23	1.93	2.69
A.12	Tracciato - A.12	369.24	Tr500	CA366_SA	0.88	32.97	33.23	33.36	33.73	0.135354	3.12	0.28	2.12	2.73
A.12	Tracciato - A.12	349.24	Tr050	CA366_SA	0.40	30.48	30.69	30.77	30.99	0.114742	2.43	0.16	1.59	2.41
A.12	Tracciato - A.12	349.24	Tr200	CA366_SA	0.68	30.48	30.73	30.84	31.13	0.115857	2.79	0.24	1.93	2.50
A.12	Tracciato - A.12	349.24	Tr500	CA366_SA	0.88	30.48	30.76	30.88	31.21	0.116435	2.98	0.30	2.13	2.55
A.12	Tracciato - A.12	329.24	Tr050	CA366_SA	0.40	28.03	28.20	28.28	28.49	0.135703	2.39	0.17	1.92	2.58
A.12	Tracciato - A.12	329.24	Tr200	CA366_SA	0.68	28.03	28.24	28.34	28.62	0.135541	2.73	0.25	2.34	2.67
A.12	Tracciato - A.12	329.24	Tr500	CA366_SA	0.88	28.03	28.26	28.38	28.69	0.135539	2.91	0.30	2.58	2.71
A.12	Tracciato - A.12	309.24	Tr050	CA366_SA	0.40	25.54	25.74	25.82	26.04	0.111724	2.43	0.16	1.56	2.38
A.12	Tracciato - A.12	309.24	Tr200	CA366_SA	0.68	25.54	25.78	25.89	26.18	0.110783	2.77	0.25	1.88	2.45
A.12	Tracciato - A.12	309.24	Tr500	CA366_SA	0.88	25.54	25.81	25.93	26.26	0.109918	2.97	0.30	2.03	2.49
A.12	Tracciato - A.12	289.24	Tr050	CA366_SA	0.40	23.03	23.26	23.36	23.63	0.129634	2.69	0.15	1.32	2.56
A.12	Tracciato - A.12	289.24	Tr200	CA366_SA	0.68	23.03	23.31	23.43	23.78	0.128282	3.07	0.22	1.61	2.64
A.12	Tracciato - A.12	289.24	Tr500	CA366_SA	0.88	23.03	23.33	23.48	23.88	0.128055	3.27	0.27	1.77	2.68
A.12	Tracciato - A.12	269.24	Tr050	CA366_SA	0.40	22.04	22.19	22.21	22.27	0.037428	1.24	0.32	3.80	1.36
A.12	Tracciato - A.12	269.24	Tr200	CA366_SA	0.68	22.04	22.23	22.26	22.34	0.040664	1.51	0.45	4.24	1.47
A.12	Tracciato - A.12	269.24	Tr500	CA366_SA	0.88	22.04	22.24	22.29	22.38	0.042658	1.65	0.53	4.49	1.54
A.12	Tracciato - A.12	249.24	Tr050	CA366_SA	0.40	20.27	20.38	20.45	20.71	0.238605	2.56	0.16	2.49	3.27
A.12	Tracciato - A.12	249.24	Tr200	CA366_SA	0.68	20.27	20.41	20.50	20.79	0.192797	2.72	0.25	3.10	3.06
A.12	Tracciato - A.12	249.24	Tr500	CA366_SA	0.88	20.27	20.43	20.53	20.83	0.174458	2.80	0.31	3.46	2.97

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Cht
A.12	Tracciato - A.12	229.24	Tr050	CA366_SA	0.40	18.77	18.94	18.96	19.02	0.040139	1.27	0.31	3.75	1.41
A.12	Tracciato - A.12	229.24	Tr200	CA366_SA	0.68	18.77	18.97	19.01	19.09	0.044428	1.51	0.45	4.49	1.53
A.12	Tracciato - A.12	229.24	Tr500	CA366_SA	0.88	18.77	18.99	19.03	19.13	0.046791	1.64	0.54	4.90	1.59
A.12	Tracciato - A.12	209.24	Tr050	CA366_SA	0.40	17.01	17.09	17.13	17.27	0.313145	1.89	0.21	6.52	3.36
A.12	Tracciato - A.12	209.24	Tr200	CA366_SA	0.68	17.01	17.10	17.15	17.31	0.255583	2.00	0.34	8.29	3.16
A.12	Tracciato - A.12	209.24	Tr500	CA366_SA	0.88	17.01	17.11	17.16	17.33	0.234154	2.07	0.43	9.29	3.08
A.12	Tracciato - A.12	189.24	Tr050	CA366_SA	0.40	15.12	15.25	15.27	15.32	0.045695	1.16	0.35	5.26	1.44
A.12	Tracciato - A.12	189.24	Tr200	CA366_SA	0.68	15.12	15.28	15.31	15.37	0.049230	1.36	0.50	6.33	1.55
A.12	Tracciato - A.12	189.24	Tr500	CA366_SA	0.88	15.12	15.29	15.33	15.40	0.050884	1.47	0.60	6.93	1.59
A.12	Tracciato - A.12	169.24	Tr050	CA366_SA	0.40	14.00	14.03	14.05	14.08	0.087561	0.97	0.41	13.34	1.76
A.12	Tracciato - A.12	169.24	Tr200	CA366_SA	0.68	14.00	14.05	14.07	14.11	0.081955	1.15	0.59	13.99	1.80
A.12	Tracciato - A.12	169.24	Tr500	CA366_SA	0.88	14.00	14.05	14.08	14.13	0.079866	1.26	0.70	14.34	1.82
A.12	Tracciato - A.12	149.24	Tr050	CA366_SA	0.40	13.07	13.15	13.13	13.17	0.008496	0.49	0.81	12.73	0.62
A.12	Tracciato - A.12	149.24	Tr200	CA366_SA	0.68	13.07	13.19	13.16	13.20	0.006093	0.52	1.30	14.51	0.56
A.12	Tracciato - A.12	149.24	Tr500	CA366_SA	0.88	13.07	13.21	13.17	13.22	0.006255	0.57	1.54	15.32	0.57
A.12	Tracciato - A.12	129.24	Tr050	CA366_SA	0.40	12.82	12.96	12.96	12.97	0.011637	0.39	1.03	28.72	0.66
A.12	Tracciato - A.12	129.24	Tr200	CA366_SA	0.68	12.82	12.96	12.96	12.98	0.025958	0.61	1.11	28.83	1.00
A.12	Tracciato - A.12	129.24	Tr500	CA366_SA	0.88	12.82	12.97	12.97	12.99	0.026652	0.68	1.29	29.06	1.03
A.12	Tracciato - A.12	109.24	Tr050	CA366_SA	0.40	11.80	11.83	11.87	12.17	1.047977	2.58	0.15	7.44	5.71
A.12	Tracciato - A.12	109.24	Tr200	CA366_SA	0.68	11.80	11.87	11.90	11.97	0.134326	1.44	0.47	11.70	2.29
A.12	Tracciato - A.12	109.24	Tr500	CA366_SA	0.88	11.80	11.87	11.91	11.99	0.123500	1.50	0.59	12.82	2.24
A.12	Tracciato - A.12	89.22	Tr050	CA366_SA	0.40	10.06	10.17	10.13	10.18	0.002958	0.34	1.17	14.24	0.38
A.12	Tracciato - A.12	89.22	Tr200	CA366_SA	0.68	10.06	10.20	10.15	10.21	0.003548	0.43	1.58	15.53	0.43
A.12	Tracciato - A.12	89.22	Tr500	CA366_SA	0.88	10.06	10.22	10.16	10.23	0.003906	0.46	1.90	18.01	0.46
A.12	Tracciato - A.12	69.4	Tr050	CA366_SA	0.40	10.00	10.03	10.03	10.04	0.029269	0.52	0.77	27.58	1.00
A.12	Tracciato - A.12	69.4	Tr200	CA366_SA	0.68	10.00	10.04	10.04	10.06	0.025974	0.62	1.09	27.70	1.00
A.12	Tracciato - A.12	69.4	Tr500	CA366_SA	0.88	10.00	10.05	10.05	10.07	0.024423	0.68	1.30	27.78	1.00
A.12	Tracciato - A.12	49.4	Tr050	CA366_SA	0.40	9.24	9.37	9.31	9.37	0.003093	0.40	1.01	10.14	0.40
A.12	Tracciato - A.12	49.4	Tr200	CA366_SA	0.68	9.24	9.40	9.34	9.41	0.003881	0.51	1.34	10.99	0.47
A.12	Tracciato - A.12	49.4	Tr500	CA366_SA	0.88	9.24	9.42	9.36	9.43	0.004198	0.57	1.55	11.49	0.49
A.12	Tracciato - A.12	29.59	Tr050	CA366_SA	0.40	9.20	9.23	9.23	9.24	0.022017	0.48	0.84	27.71	0.88
A.12	Tracciato - A.12	29.59	Tr200	CA366_SA	0.68	9.20	9.24	9.24	9.26	0.022006	0.59	1.15	27.83	0.93
A.12	Tracciato - A.12	29.59	Tr500	CA366_SA	0.88	9.20	9.25	9.25	9.27	0.022004	0.65	1.34	27.91	0.95
A.11	Tracciato - A.11	299.68	Tr050	CA366_SA	1.87	18.69	18.93	18.96	19.06	0.029007	1.62	1.15	7.49	1.32
A.11	Tracciato - A.11	299.68	Tr200	CA366_SA	3.13	18.69	19.11	19.04	19.18	0.006477	1.14	2.76	9.96	0.69
A.11	Tracciato - A.11	299.68	Tr500	CA366_SA	4.01	18.69	19.17	19.08	19.24	0.005659	1.17	3.43	10.71	0.66
A.11	Tracciato - A.11	280.68	Tr050	CA366_SA	1.87	18.17	18.71	18.71	18.84	0.014439	1.62	1.15	4.35	1.00
A.11	Tracciato - A.11	280.68	Tr200	CA366_SA	3.13	18.17	18.82	18.82	18.99	0.013798	1.81	1.73	5.33	1.02
A.11	Tracciato - A.11	280.68	Tr500	CA366_SA	4.01	18.17	18.89	18.89	19.08	0.013142	1.89	2.12	5.90	1.01
A.11	Tracciato - A.11	260.69	Tr050	CA366_SA	1.87	17.54	17.80	17.91	18.19	0.110309	2.77	0.67	5.35	2.50
A.11	Tracciato - A.11	260.69	Tr200	CA366_SA	3.13	17.54	17.85	17.99	18.36	0.109929	3.15	0.99	6.49	2.57
A.11	Tracciato - A.11	260.69	Tr500	CA366_SA	4.01	17.54	17.88	18.03	18.46	0.110853	3.36	1.19	7.12	2.62
A.11	Tracciato - A.11	240.69	Tr050	CA366_SA	1.87	16.28	16.65	16.73	16.89	0.040388	2.16	0.87	4.66	1.60
A.11	Tracciato - A.11	240.69	Tr200	CA366_SA	3.13	16.28	16.73	16.83	17.04	0.040733	2.47	1.27	5.64	1.66
A.11	Tracciato - A.11	240.69	Tr500	CA366_SA	4.01	16.28	16.77	16.89	17.13	0.040842	2.63	1.53	6.19	1.69
A.11	Tracciato - A.11	220.7	Tr050	CA366_SA	1.87	15.65	15.95	15.99	16.10	0.036083	1.73	1.08	7.50	1.46
A.11	Tracciato - A.11	220.7	Tr200	CA366_SA	3.13	15.65	16.00	16.06	16.21	0.038859	2.03	1.54	8.91	1.56
A.11	Tracciato - A.11	220.7	Tr500	CA366_SA	4.01	15.65	16.03	16.11	16.29	0.040100	2.24	1.79	9.20	1.62
A.11	Tracciato - A.11	200.7	Tr050	CA366_SA	1.87	15.16	15.53	15.53	15.63	0.017459	1.41	1.32	7.22	1.06
A.11	Tracciato - A.11	200.7	Tr200	CA366_SA	3.13	15.16	15.61	15.62	15.74	0.015857	1.55	2.02	8.94	1.04
A.11	Tracciato - A.11	200.7	Tr500	CA366_SA	4.01	15.16	15.66	15.67	15.79	0.014632	1.60	2.51	10.00	1.02
A.11	Tracciato - A.11	180.7	Tr050	CA366_SA	1.87	14.24	14.49	14.60	14.88	0.113293	2.77	0.68	5.47	2.52
A.11	Tracciato - A.11	180.7	Tr200	CA366_SA	3.13	14.24	14.54	14.68	15.03	0.109029	3.10	1.01	6.69	2.55
A.11	Tracciato - A.11	180.7	Tr500	CA366_SA	4.01	14.24	14.57	14.72	15.13	0.108748	3.30	1.22	7.34	2.59
A.11	Tracciato - A.11	160.7	Tr050	CA366_SA	1.87	12.90	13.26	13.33	13.50	0.043934	2.19	0.86	4.82	1.66
A.11	Tracciato - A.11	160.7	Tr200	CA366_SA	3.13	12.90	13.33	13.43	13.65	0.044892	2.51	1.25	5.79	1.73
A.11	Tracciato - A.11	160.7	Tr500	CA366_SA	4.01	12.90	13.37	13.49	13.74	0.045098	2.68	1.50	6.35	1.76
A.11	Tracciato - A.11	140.7	Tr050	CA366_SA	1.87	12.70	13.18	13.18	13.30	0.014814	1.54	1.21	5.08	1.01
A.11	Tracciato - A.11	140.7	Tr200	CA366_SA	3.13	12.70	13.29	13.29	13.44	0.014096	1.71	1.83	6.29	1.01
A.11	Tracciato - A.11	140.7	Tr500	CA366_SA	4.01	12.70	13.35	13.35	13.51	0.013654	1.80	2.23	6.98	1.01
A.11	Tracciato - A.11	124.53	Tr050	CA366_SA	1.87	12.54	12.94	12.94	13.04	0.016249	1.44	1.30	6.51	1.03
A.11	Tracciato - A.11	124.53	Tr200	CA366_SA	3.13	12.54	13.00	13.03	13.17	0.020390	1.79	1.75	7.56	1.19
A.11	Tracciato - A.11	124.53	Tr500	CA366_SA	4.01	12.54	13.04	13.08	13.23	0.021691	1.95	2.06	8.20	1.24
A.11	Tracciato - A.11	108.16	Tr050	CA366_SA	1.87	11.55	11.97	12.13	12.49	0.082041	3.20	0.58	2.88	2.27
A.11	Tracciato - A.11	108.16	Tr200	CA366_SA	3.13	11.55	12.09	12.25	12.60	0.060836	3.15	0.99	4.03	2.03
A.11	Tracciato - A.11	108.16	Tr500	CA366_SA	4.01	11.55	12.15	12.31	12.67	0.054880	3.19	1.26	4.67	1.96
A.11	Tracciato - A.11	100.71	Tr050	CA366_SA	1.87	11.09	11.57	11.69	11.95	0.055299	2.76	0.68	3.09	1.88
A.11	Tracciato - A.11	100.71	Tr200	CA366_SA	3.13	11.09	11.66	11.82	12.15	0.056584	3.12	1.00	3.88	1.96
A.11	Tracciato - A.11	100.71	Tr500	CA366_SA	4.01	11.09	11.71	11.89	12.26	0.054755	3.26	1.23	4.35	1.96

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Cht
A.11	Tracciato - A.11	80.71	Tr050	CA366_SA	1.87	10.28	10.59	10.66	10.82	0.053570	2.12	0.88	6.11	1.78
A.11	Tracciato - A.11	80.71	Tr200	CA366_SA	3.13	10.28	10.65	10.74	10.95	0.057686	2.46	1.27	7.43	1.90
A.11	Tracciato - A.11	80.71	Tr500	CA366_SA	4.01	10.28	10.68	10.79	11.04	0.061488	2.67	1.50	8.11	1.99
A.11	Tracciato - A.11	60.7	Tr050	CA366_SA	1.87	9.67	10.63	10.06	10.63	0.000031	0.11	16.58	34.86	0.05
A.11	Tracciato - A.11	60.7	Tr200	CA366_SA	3.13	9.67	10.63	10.11	10.63	0.000088	0.19	16.55	34.85	0.09
A.11	Tracciato - A.11	60.7	Tr500	CA366_SA	4.01	9.67	10.63	10.13	10.63	0.000144	0.24	16.53	34.84	0.11
A.11	Tracciato - A.11	40.71	Tr050	CA366_SA	1.87	9.03	10.63	9.32	10.63	0.000001	0.03	67.47	60.00	0.01
A.11	Tracciato - A.11	40.71	Tr200	CA366_SA	3.13	9.03	10.63	9.37	10.63	0.000002	0.05	67.47	60.00	0.01
A.11	Tracciato - A.11	40.71	Tr500	CA366_SA	4.01	9.03	10.63	9.40	10.63	0.000003	0.06	67.47	60.00	0.02
A.10.2	A.10.2	101.05	Tr050	CA366_SA	0.03	29.54	29.59	29.62	29.70	0.260370	1.48	0.02	0.78	2.94
A.10.2	A.10.2	101.05	Tr200	CA366_SA	0.06	29.54	29.61	29.65	29.77	0.260458	1.76	0.03	1.01	3.07
A.10.2	A.10.2	101.05	Tr500	CA366_SA	0.08	29.54	29.62	29.66	29.80	0.260513	1.90	0.04	1.12	3.12
A.10.2	A.10.2	82.05	Tr050	CA366_SA	0.03	24.53	24.59	24.62	24.72	0.264249	1.60	0.02	0.64	3.00
A.10.2	A.10.2	82.05	Tr200	CA366_SA	0.06	24.53	24.61	24.65	24.79	0.263103	1.90	0.03	0.84	3.13
A.10.2	A.10.2	82.05	Tr500	CA366_SA	0.08	24.53	24.61	24.66	24.83	0.262504	2.04	0.04	0.93	3.18
A.10.2	A.10.2	62.05	Tr050	CA366_SA	0.03	19.81	19.87	19.89	19.97	0.213990	1.41	0.02	0.76	2.69
A.10.2	A.10.2	62.05	Tr200	CA366_SA	0.06	19.81	19.88	19.92	20.03	0.215544	1.68	0.04	0.98	2.82
A.10.2	A.10.2	62.05	Tr500	CA366_SA	0.08	19.81	19.89	19.93	20.06	0.216346	1.81	0.04	1.09	2.88
A.10.2	A.10.2	42.05	Tr050	CA366_SA	0.03	16.33	16.38	16.40	16.45	0.146458	1.13	0.03	1.01	2.21
A.10.2	A.10.2	42.05	Tr200	CA366_SA	0.06	16.33	16.40	16.43	16.49	0.146486	1.34	0.04	1.30	2.31
A.10.2	A.10.2	42.05	Tr500	CA366_SA	0.08	16.33	16.41	16.44	16.51	0.146510	1.44	0.06	1.45	2.36
A.10.2	A.10.2	22.05	Tr050	CA366_SA	0.03	13.06	13.12	13.14	13.20	0.180417	1.30	0.02	0.81	2.48
A.10.2	A.10.2	22.05	Tr200	CA366_SA	0.06	13.06	13.13	13.17	13.26	0.179183	1.55	0.04	1.05	2.58
A.10.2	A.10.2	22.05	Tr500	CA366_SA	0.08	13.06	13.14	13.18	13.28	0.178573	1.66	0.05	1.18	2.62
A.10.2	A.10.2	2.05	Tr050	CA366_SA	0.03	10.93	11.00	11.01	11.04	0.071385	0.91	0.03	1.00	1.60
A.10.2	A.10.2	2.05	Tr200	CA366_SA	0.06	10.93	11.02	11.03	11.08	0.072221	1.09	0.06	1.29	1.68
A.10.2	A.10.2	2.05	Tr500	CA366_SA	0.08	10.93	11.03	11.05	11.09	0.072658	1.17	0.07	1.44	1.72
A.10.2	A.10.2	1	Tr050	CA366_SA	0.03	10.79	10.85	10.87	10.93	0.164254	1.24	0.02	0.85	2.37
A.10.2	A.10.2	1	Tr200	CA366_SA	0.06	10.79	10.86	10.89	10.97	0.144447	1.41	0.04	1.14	2.33
A.10.2	A.10.2	1	Tr500	CA366_SA	0.08	10.79	10.87	10.91	10.99	0.137533	1.49	0.05	1.28	2.31
A.10.1	A.10.1	109.79	Tr050	CA366_SA	0.03	35.13	35.15	35.17	35.21	0.339958	1.06	0.03	2.24	3.00
A.10.1	A.10.1	109.79	Tr200	CA366_SA	0.06	35.13	35.16	35.18	35.25	0.340003	1.35	0.04	2.41	3.19
A.10.1	A.10.1	109.79	Tr500	CA366_SA	0.08	35.13	35.16	35.19	35.27	0.339970	1.50	0.05	2.50	3.27
A.10.1	A.10.1	90.79	Tr050	CA366_SA	0.03	28.69	28.76	28.80	28.95	0.317553	1.94	0.02	0.45	3.32
A.10.1	A.10.1	90.79	Tr200	CA366_SA	0.06	28.69	28.78	28.84	29.05	0.311821	2.29	0.03	0.58	3.44
A.10.1	A.10.1	90.79	Tr500	CA366_SA	0.08	28.69	28.79	28.86	29.10	0.308944	2.45	0.03	0.65	3.49
A.10.1	A.10.1	70.78	Tr050	CA366_SA	0.03	21.85	21.88	21.90	21.96	0.383299	1.24	0.02	1.65	3.26
A.10.1	A.10.1	70.78	Tr200	CA366_SA	0.06	21.85	21.89	21.91	22.00	0.395906	1.49	0.04	2.13	3.45
A.10.1	A.10.1	70.78	Tr500	CA366_SA	0.08	21.85	21.89	21.92	22.02	0.402673	1.61	0.05	2.37	3.54
A.10.1	A.10.1	50.79	Tr050	CA366_SA	0.03	16.61	16.68	16.72	16.80	0.184857	1.53	0.02	0.53	2.54
A.10.1	A.10.1	50.79	Tr200	CA366_SA	0.06	16.61	16.71	16.75	16.87	0.179306	1.79	0.03	0.70	2.62
A.10.1	A.10.1	50.79	Tr500	CA366_SA	0.08	16.61	16.72	16.77	16.90	0.176515	1.92	0.04	0.78	2.64
A.10.1	A.10.1	30.79	Tr050	CA366_SA	0.03	14.15	14.20	14.22	14.25	0.092169	0.90	0.03	1.24	1.76
A.10.1	A.10.1	30.79	Tr200	CA366_SA	0.06	14.15	14.22	14.24	14.28	0.095757	1.09	0.06	1.60	1.87
A.10.1	A.10.1	30.79	Tr500	CA366_SA	0.08	14.15	14.23	14.25	14.30	0.097867	1.18	0.07	1.78	1.93
A.10.1	A.10.1	10.79	Tr050	CA366_SA	0.03	12.25	12.32	12.34	12.38	0.094147	1.09	0.03	0.79	1.85
A.10.1	A.10.1	10.79	Tr200	CA366_SA	0.06	12.25	12.34	12.37	12.42	0.089754	1.27	0.05	1.03	1.89
A.10.1	A.10.1	10.79	Tr500	CA366_SA	0.08	12.25	12.35	12.38	12.45	0.087561	1.35	0.06	1.15	1.90
A.10.1	A.10.1	1	Tr050	CA366_SA	0.03	11.82	11.91	11.91	11.93	0.026258	0.66	0.05	1.05	1.01
A.10.1	A.10.1	1	Tr200	CA366_SA	0.06	11.82	11.93	11.94	11.96	0.027409	0.80	0.08	1.35	1.08
A.10.1	A.10.1	1	Tr500	CA366_SA	0.08	11.82	11.94	11.95	11.98	0.028027	0.87	0.09	1.49	1.11
A.09	Tracciato - A.09	338.11	Tr050	CA366_SA	1.08	21.72	21.98	22.06	22.24	0.080055	2.27	0.48	3.98	2.10
A.09	Tracciato - A.09	338.11	Tr200	CA366_SA	1.77	21.72	22.03	22.13	22.39	0.080017	2.65	0.67	4.41	2.18
A.09	Tracciato - A.09	338.11	Tr500	CA366_SA	2.25	21.72	22.05	22.17	22.47	0.080108	2.88	0.78	4.56	2.23
A.09	Tracciato - A.09	319.11	Tr050	CA366_SA	1.08	20.03	20.41	20.54	20.83	0.067766	2.88	0.38	1.80	2.01
A.09	Tracciato - A.09	319.11	Tr200	CA366_SA	1.77	20.03	20.50	20.66	21.01	0.063904	3.18	0.56	2.20	2.02
A.09	Tracciato - A.09	319.11	Tr500	CA366_SA	2.25	20.03	20.55	20.73	21.12	0.062570	3.34	0.67	2.43	2.03
A.09	Tracciato - A.09	299.12	Tr050	CA366_SA	1.08	18.53	18.90	19.03	19.34	0.082109	2.95	0.37	2.00	2.20
A.09	Tracciato - A.09	299.12	Tr200	CA366_SA	1.77	18.53	18.97	19.14	19.55	0.084145	3.37	0.53	2.39	2.30
A.09	Tracciato - A.09	299.12	Tr500	CA366_SA	2.25	18.53	19.01	19.20	19.66	0.084372	3.58	0.63	2.62	2.34
A.09	Tracciato - A.09	279.13	Tr050	CA366_SA	1.08	18.27	18.76	18.73	18.85	0.011152	1.33	0.81	3.33	0.86
A.09	Tracciato - A.09	279.13	Tr200	CA366_SA	1.77	18.27	18.84	18.82	18.97	0.012754	1.59	1.11	3.88	0.95
A.09	Tracciato - A.09	279.13	Tr500	CA366_SA	2.25	18.27	18.89	18.88	19.04	0.013303	1.72	1.31	4.20	0.98
A.09	Tracciato - A.09	259.13	Tr050	CA366_SA	1.08	18.04	18.47	18.47	18.58	0.015854	1.46	0.74	3.48	1.01
A.09	Tracciato - A.09	259.13	Tr200	CA366_SA	1.77	18.04	18.57	18.57	18.70	0.014604	1.60	1.11	4.32	1.01
A.09	Tracciato - A.09	259.13	Tr500	CA366_SA	2.25	18.04	18.62	18.62	18.76	0.014225	1.67	1.34	4.77	1.01
A.09	Tracciato - A.09	239.13	Tr050	CA366_SA	1.08	17.59	17.85	17.92	18.05	0.051109	1.98	0.55	4.02	1.71
A.09	Tracciato - A.09	239.13	Tr200	CA366_SA	1.77	17.59	17.90	17.99	18.17	0.054800	2.31	0.77	4.72	1.83
A.09	Tracciato - A.09	239.13	Tr500	CA366_SA	2.25	17.59	17.93	18.03	18.24	0.055949	2.47	0.91	5.12	1.88

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.09	Tracciato - A.09	219.13	Tr050	CA366_SA	1.08	16.97	17.25	17.27	17.35	0.023461	1.41	0.77	5.24	1.18
A.09	Tracciato - A.09	219.13	Tr200	CA366_SA	1.77	16.97	17.31	17.34	17.44	0.023631	1.61	1.10	6.20	1.22
A.09	Tracciato - A.09	219.13	Tr500	CA366_SA	2.25	16.97	17.34	17.38	17.49	0.024020	1.73	1.30	6.70	1.25
A.09	Tracciato - A.09	199.13	Tr050	CA366_SA	1.08	15.51	15.81	15.95	16.37	0.133987	3.33	0.32	2.19	2.77
A.09	Tracciato - A.09	199.13	Tr200	CA366_SA	1.77	15.51	15.88	16.05	16.51	0.110968	3.51	0.50	2.73	2.61
A.09	Tracciato - A.09	199.13	Tr500	CA366_SA	2.25	15.51	15.92	16.10	16.58	0.099857	3.58	0.63	3.05	2.52
A.09	Tracciato - A.09	189.9	Tr050	CA366_SA	1.08	14.81	15.32	15.42	15.65	0.043459	2.52	0.43	1.67	1.59
A.09	Tracciato - A.09	189.9	Tr200	CA366_SA	1.77	14.81	15.43	15.56	15.84	0.042594	2.83	0.62	2.01	1.62
A.09	Tracciato - A.09	189.9	Tr500	CA366_SA	2.25	14.81	15.49	15.64	15.95	0.041828	2.99	0.75	2.21	1.63
A.09	Tracciato - A.09	173.22	Tr050	CA366_SA	1.08	14.08	14.64	14.73	14.94	0.040465	2.45	0.44	1.63	1.51
A.09	Tracciato - A.09	173.22	Tr200	CA366_SA	1.77	14.08	14.75	14.87	15.14	0.040713	2.78	0.64	1.97	1.56
A.09	Tracciato - A.09	173.22	Tr500	CA366_SA	2.25	14.08	14.81	14.95	15.25	0.040833	2.95	0.76	2.16	1.59
A.09	Tracciato - A.09	159.13	Tr050	CA366_SA	1.08	14.08	14.61	14.61	14.75	0.015814	1.63	0.66	2.49	1.01
A.09	Tracciato - A.09	159.13	Tr200	CA366_SA	1.77	14.08	14.73	14.73	14.89	0.014775	1.80	0.98	3.04	1.01
A.09	Tracciato - A.09	159.13	Tr500	CA366_SA	2.25	14.08	14.79	14.79	14.97	0.014331	1.89	1.19	3.35	1.01
A.09	Tracciato - A.09	139.13	Tr050	CA366_SA	1.08	13.43	13.76	13.88	14.14	0.071357	2.70	0.40	2.29	2.07
A.09	Tracciato - A.09	139.13	Tr200	CA366_SA	1.77	13.43	13.84	13.98	14.31	0.069580	3.03	0.58	2.76	2.11
A.09	Tracciato - A.09	139.13	Tr500	CA366_SA	2.25	13.43	13.88	14.03	14.40	0.068145	3.19	0.70	3.03	2.12
A.09	Tracciato - A.09	119.13	Tr050	CA366_SA	1.08	11.71	11.93	12.04	12.33	0.116892	2.83	0.38	3.01	2.53
A.09	Tracciato - A.09	119.13	Tr200	CA366_SA	1.77	11.71	11.98	12.12	12.51	0.120143	3.22	0.55	3.64	2.64
A.09	Tracciato - A.09	119.13	Tr500	CA366_SA	2.25	11.71	12.01	12.16	12.60	0.122226	3.43	0.66	4.00	2.70
A.09	Tracciato - A.09	79.14	Tr050	CA366_SA	1.08	10.43	10.97	10.70	10.99	0.001144	0.60	1.80	4.38	0.30
A.09	Tracciato - A.09	79.14	Tr200	CA366_SA	1.77	10.43	11.06	10.79	11.09	0.001742	0.81	2.20	4.68	0.38
A.09	Tracciato - A.09	79.14	Tr500	CA366_SA	2.25	10.43	11.11	10.84	11.15	0.002146	0.93	2.42	4.84	0.42
A.09	Tracciato - A.09	59.14	Tr050	CA366_SA	1.08	10.56	10.85	10.85	10.93	0.017134	1.21	0.89	6.06	1.01
A.09	Tracciato - A.09	59.14	Tr200	CA366_SA	1.77	10.56	10.92	10.92	11.01	0.016245	1.34	1.32	7.37	1.01
A.09	Tracciato - A.09	59.14	Tr500	CA366_SA	2.25	10.56	10.95	10.95	11.05	0.015720	1.41	1.60	8.12	1.01
A.09	Tracciato - A.09	39.14	Tr050	CA366_SA	1.08	9.97	10.05	10.09	10.18	0.130798	1.63	0.66	13.31	2.33
A.09	Tracciato - A.09	39.14	Tr200	CA366_SA	1.77	9.97	10.06	10.12	10.27	0.147494	2.05	0.87	13.53	2.58
A.09	Tracciato - A.09	39.14	Tr500	CA366_SA	2.25	9.97	10.07	10.14	10.33	0.145749	2.23	1.01	13.68	2.63
A.08	Tracciato - A.08	326.4	Tr050	CA366_SA	1.27	41.94	42.02	42.03	42.07	0.045016	0.92	1.37	29.05	1.36
A.08	Tracciato - A.08	326.4	Tr200	CA366_SA	1.93	41.94	42.04	42.05	42.10	0.045011	1.09	1.78	29.54	1.41
A.08	Tracciato - A.08	326.4	Tr500	CA366_SA	2.38	41.94	42.05	42.06	42.12	0.045018	1.18	2.02	29.83	1.44
A.08	Tracciato - A.08	307.4	Tr050	CA366_SA	1.27	41.17	41.33	41.34	41.40	0.028236	1.15	1.11	11.93	1.20
A.08	Tracciato - A.08	307.4	Tr200	CA366_SA	1.93	41.17	41.36	41.38	41.44	0.027027	1.26	1.53	13.83	1.21
A.08	Tracciato - A.08	307.4	Tr500	CA366_SA	2.38	41.17	41.38	41.40	41.47	0.026455	1.32	1.80	14.93	1.22
A.08	Tracciato - A.08	287.4	Tr050	CA366_SA	1.27	40.23	40.43	40.48	40.59	0.060338	1.77	0.72	7.10	1.78
A.08	Tracciato - A.08	287.4	Tr200	CA366_SA	1.93	40.23	40.47	40.53	40.66	0.059424	1.96	0.99	8.32	1.82
A.08	Tracciato - A.08	287.4	Tr500	CA366_SA	2.38	40.23	40.49	40.55	40.70	0.058658	2.05	1.16	9.02	1.83
A.08	Tracciato - A.08	267.4	Tr050	CA366_SA	1.27	40.00	40.10	40.06	40.11	0.004579	0.48	2.67	27.44	0.49
A.08	Tracciato - A.08	267.4	Tr200	CA366_SA	1.93	40.00	40.13	40.08	40.14	0.004864	0.57	3.39	28.01	0.52
A.08	Tracciato - A.08	267.4	Tr500	CA366_SA	2.38	40.00	40.14	40.10	40.16	0.004977	0.62	3.84	28.34	0.54
A.08	Tracciato - A.08	247.41	Tr050	CA366_SA	1.27	39.77	39.90	39.90	39.94	0.021928	0.80	1.58	24.04	1.00
A.08	Tracciato - A.08	247.41	Tr200	CA366_SA	1.93	39.77	39.93	39.93	39.97	0.020922	0.88	2.20	28.38	1.01
A.08	Tracciato - A.08	247.41	Tr500	CA366_SA	2.38	39.77	39.94	39.94	39.98	0.020806	0.92	2.58	30.73	1.02
A.08	Tracciato - A.08	227.41	Tr050	CA366_SA	1.27	39.14	39.26	39.28	39.33	0.043911	1.19	1.07	15.29	1.43
A.08	Tracciato - A.08	227.41	Tr200	CA366_SA	1.93	39.14	39.28	39.31	39.37	0.044236	1.35	1.43	17.05	1.48
A.08	Tracciato - A.08	227.41	Tr500	CA366_SA	2.38	39.14	39.29	39.32	39.40	0.043205	1.42	1.68	18.14	1.49
A.08	Tracciato - A.08	207.51	Tr050	CA366_SA	1.27	38.06	38.23	38.28	38.37	0.052277	1.63	0.78	7.87	1.65
A.08	Tracciato - A.08	207.51	Tr200	CA366_SA	1.93	38.06	38.27	38.32	38.43	0.049615	1.79	1.08	9.14	1.66
A.08	Tracciato - A.08	207.51	Tr500	CA366_SA	2.38	38.06	38.29	38.34	38.47	0.049219	1.90	1.25	9.62	1.68
A.08	Tracciato - A.08	187.55	Tr050	CA366_SA	1.27	38.00	38.08	38.08	38.12	0.020531	0.88	1.45	18.45	1.00
A.08	Tracciato - A.08	187.55	Tr200	CA366_SA	1.93	38.00	38.11	38.11	38.16	0.019181	1.00	1.93	19.21	1.01
A.08	Tracciato - A.08	187.55	Tr500	CA366_SA	2.38	38.00	38.13	38.13	38.18	0.018118	1.06	2.25	19.69	1.00
A.08	Tracciato - A.08	167.55	Tr050	CA366_SA	1.27	36.98	37.07	37.11	37.24	0.149731	1.82	0.70	13.12	2.52
A.08	Tracciato - A.08	167.55	Tr200	CA366_SA	1.93	36.98	37.08	37.14	37.31	0.150856	2.11	0.92	13.91	2.63
A.08	Tracciato - A.08	167.55	Tr500	CA366_SA	2.38	36.98	37.09	37.16	37.36	0.154839	2.28	1.04	14.35	2.70
A.08	Tracciato - A.08	147.55	Tr050	CA366_SA	1.27	36.30	36.58	36.47	36.59	0.001792	0.43	2.99	18.06	0.33
A.08	Tracciato - A.08	147.55	Tr200	CA366_SA	1.93	36.30	36.63	36.51	36.64	0.001986	0.50	3.89	20.07	0.36
A.08	Tracciato - A.08	147.55	Tr500	CA366_SA	2.38	36.30	36.65	36.53	36.67	0.002139	0.54	4.40	21.14	0.38
A.08	Tracciato - A.08	127.55	Tr050	CA366_SA	1.27	36.26	36.56		36.56	0.001313	0.33	3.81	26.30	0.28
A.08	Tracciato - A.08	127.55	Tr200	CA366_SA	1.93	36.26	36.60		36.61	0.001383	0.38	5.11	30.40	0.29
A.08	Tracciato - A.08	127.55	Tr500	CA366_SA	2.38	36.26	36.63		36.63	0.001363	0.40	5.88	31.10	0.30
A.08	Tracciato - A.08	107.55	Tr050	CA366_SA	1.27	36.24	36.53		36.54	0.001243	0.33	3.88	26.33	0.27
A.08	Tracciato - A.08	107.55	Tr200	CA366_SA	1.93	36.24	36.57		36.58	0.001371	0.38	5.11	30.24	0.29
A.08	Tracciato - A.08	107.55	Tr500	CA366_SA	2.38	36.24	36.60		36.61	0.001365	0.40	5.89	31.34	0.30
A.08	Tracciato - A.08	87.55	Tr050	CA366_SA	1.27	36.22	36.50		36.51	0.001656	0.37	3.39	23.30	0.31
A.08	Tracciato - A.08	87.55	Tr200	CA366_SA	1.93	36.22	36.54		36.55	0.001901	0.44	4.34	25.67	0.35
A.08	Tracciato - A.08	87.55	Tr500	CA366_SA	2.38	36.22	36.56		36.57	0.001973	0.48	4.98	27.14	0.36

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Cht
A.08	Tracciato - A.08	67.55	Tr050	CA366_SA	1.27	36.20	36.39	36.39	36.42	0.021011	0.84	1.52	20.94	0.99
A.08	Tracciato - A.08	67.55	Tr200	CA366_SA	1.93	36.20	36.41	36.41	36.46	0.020787	0.97	1.98	21.69	1.03
A.08	Tracciato - A.08	67.55	Tr500	CA366_SA	2.38	36.20	36.42	36.42	36.48	0.019750	1.03	2.31	22.19	1.02
A.08	Tracciato - A.08	47.55	Tr050	CA366_SA	1.27	34.75	34.86	34.95	35.31	0.331965	2.96	0.43	7.06	3.84
A.08	Tracciato - A.08	47.55	Tr200	CA366_SA	1.93	34.75	34.89	34.99	35.38	0.292134	3.10	0.62	8.69	3.71
A.08	Tracciato - A.08	47.55	Tr500	CA366_SA	2.38	34.75	34.90	35.01	35.44	0.291340	3.25	0.73	9.54	3.74
A.08	Tracciato - A.08	27.55	Tr050	CA366_SA	1.27	34.00	34.08	34.06	34.10	0.011483	0.63	2.02	27.41	0.74
A.08	Tracciato - A.08	27.55	Tr200	CA366_SA	1.93	34.00	34.10	34.08	34.13	0.011651	0.73	2.63	28.44	0.77
A.08	Tracciato - A.08	27.55	Tr500	CA366_SA	2.38	34.00	34.11	34.10	34.15	0.011860	0.80	2.98	28.95	0.79
A.08	Tracciato - A.08	7.55	Tr050	CA366_SA	1.27	33.65	33.76	33.76	33.79	0.021523	0.83	1.53	21.73	1.00
A.08	Tracciato - A.08	7.55	Tr200	CA366_SA	1.93	33.65	33.78	33.78	33.82	0.020268	0.94	2.06	23.59	1.01
A.08	Tracciato - A.08	7.55	Tr500	CA366_SA	2.38	33.65	33.79	33.79	33.84	0.019543	0.99	2.41	24.71	1.01
A.08	Tracciato - A.08	1	Tr050	CA366_SA	1.27	33.40	33.56	33.58	33.63	0.029364	1.10	1.16	13.80	1.21
A.08	Tracciato - A.08	1	Tr200	CA366_SA	1.93	33.40	33.59	33.61	33.67	0.027846	1.19	1.62	16.29	1.21
A.08	Tracciato - A.08	1	Tr500	CA366_SA	2.38	33.40	33.61	33.63	33.69	0.027213	1.25	1.91	17.69	1.21
A.07	Tracciato - A.07	364.35	Tr050	CA366_SA	2.99	38.94	39.41	39.44	39.55	0.020003	1.65	1.81	8.73	1.15
A.07	Tracciato - A.07	364.35	Tr200	CA366_SA	4.87	38.94	39.50	39.53	39.67	0.020004	1.83	2.66	10.92	1.18
A.07	Tracciato - A.07	364.35	Tr500	CA366_SA	6.21	38.94	39.55	39.59	39.74	0.020006	1.94	3.21	12.13	1.20
A.07	Tracciato - A.07	345.35	Tr050	CA366_SA	2.99	38.79	39.11	39.14	39.22	0.024785	1.45	2.06	14.21	1.21
A.07	Tracciato - A.07	345.35	Tr200	CA366_SA	4.87	38.79	39.20	39.20	39.30	0.017262	1.37	3.56	20.44	1.04
A.07	Tracciato - A.07	345.35	Tr500	CA366_SA	6.21	38.79	39.22	39.24	39.34	0.019451	1.54	4.04	21.18	1.13
A.07	Tracciato - A.07	325.35	Tr050	CA366_SA	2.99	38.41	38.72	38.73	38.81	0.019795	1.30	2.30	15.70	1.09
A.07	Tracciato - A.07	325.35	Tr200	CA366_SA	4.87	38.41	38.77	38.79	38.90	0.022797	1.60	3.04	16.96	1.21
A.07	Tracciato - A.07	325.35	Tr500	CA366_SA	6.21	38.41	38.81	38.83	38.95	0.020007	1.65	3.76	18.09	1.16
A.07	Tracciato - A.07	305.35	Tr050	CA366_SA	2.99	37.64	38.13	38.17	38.30	0.033733	1.81	1.65	10.16	1.44
A.07	Tracciato - A.07	305.35	Tr200	CA366_SA	4.87	37.64	38.21	38.26	38.39	0.027675	1.92	2.54	12.41	1.35
A.07	Tracciato - A.07	305.35	Tr500	CA366_SA	6.21	37.64	38.24	38.30	38.46	0.029194	2.08	2.98	13.38	1.41
A.07	Tracciato - A.07	285.35	Tr050	CA366_SA	2.99	37.37	37.73	37.74	37.83	0.018753	1.42	2.11	12.15	1.09
A.07	Tracciato - A.07	285.35	Tr200	CA366_SA	4.87	37.37	37.79	37.81	37.93	0.018568	1.62	3.00	13.98	1.12
A.07	Tracciato - A.07	285.35	Tr500	CA366_SA	6.21	37.37	37.84	37.86	37.99	0.018100	1.72	3.60	15.10	1.13
A.07	Tracciato - A.07	265.36	Tr050	CA366_SA	2.99	36.80	37.16	37.22	37.35	0.031123	1.89	1.59	8.70	1.41
A.07	Tracciato - A.07	265.36	Tr200	CA366_SA	4.87	36.80	37.24	37.31	37.46	0.028779	2.07	2.35	10.60	1.40
A.07	Tracciato - A.07	265.36	Tr500	CA366_SA	6.21	36.80	37.29	37.36	37.53	0.028111	2.18	2.85	11.66	1.41
A.07	Tracciato - A.07	245.36	Tr050	CA366_SA	2.99	36.38	36.77	36.77	36.85	0.018056	1.26	2.37	15.75	1.04
A.07	Tracciato - A.07	245.36	Tr200	CA366_SA	4.87	36.38	36.82	36.84	36.94	0.021675	1.51	3.23	18.97	1.17
A.07	Tracciato - A.07	245.36	Tr500	CA366_SA	6.21	36.38	36.85	36.88	36.99	0.023425	1.64	3.79	20.77	1.23
A.07	Tracciato - A.07	225.36	Tr050	CA366_SA	2.99	35.97	36.27	36.24	36.31	0.007516	0.85	3.53	22.13	0.68
A.07	Tracciato - A.07	225.36	Tr200	CA366_SA	4.87	35.97	36.25	36.28	36.39	0.035557	1.65	2.95	21.94	1.43
A.07	Tracciato - A.07	225.36	Tr500	CA366_SA	6.21	35.97	36.27	36.31	36.43	0.032902	1.77	3.51	22.12	1.42
A.07	Tracciato - A.07	205.36	Tr050	CA366_SA	2.99	35.32	35.95	35.95	36.10	0.014206	1.71	1.74	6.02	1.02
A.07	Tracciato - A.07	205.36	Tr200	CA366_SA	4.87	35.32	36.07	36.07	36.16	0.017734	1.28	3.79	24.17	1.03
A.07	Tracciato - A.07	205.36	Tr500	CA366_SA	6.21	35.32	36.10	36.10	36.20	0.016703	1.38	4.49	24.39	1.03
A.07	Tracciato - A.07	185.36	Tr050	CA366_SA	2.99	35.08	35.41	35.48	35.63	0.044500	2.10	1.42	8.71	1.66
A.07	Tracciato - A.07	185.36	Tr200	CA366_SA	4.87	35.08	35.51	35.57	35.71	0.027237	1.98	2.46	11.38	1.36
A.07	Tracciato - A.07	185.36	Tr500	CA366_SA	6.21	35.08	35.56	35.62	35.78	0.026475	2.08	2.98	12.51	1.36
A.07	Tracciato - A.07	165.36	Tr050	CA366_SA	2.99	34.84	35.11	35.06	35.14	0.006646	0.77	3.87	25.47	0.63
A.07	Tracciato - A.07	165.36	Tr200	CA366_SA	4.87	34.84	35.16	35.11	35.21	0.007286	0.94	5.17	27.06	0.69
A.07	Tracciato - A.07	165.36	Tr500	CA366_SA	6.21	34.84	35.20	35.14	35.25	0.006546	0.99	6.25	27.87	0.67
A.07	Tracciato - A.07	145.36	Tr050	CA366_SA	2.99	34.72	34.98		35.01	0.006769	0.76	3.93	26.91	0.64
A.07	Tracciato - A.07	145.36	Tr200	CA366_SA	4.87	34.72	35.07		35.10	0.003794	0.74	6.59	30.46	0.51
A.07	Tracciato - A.07	145.36	Tr500	CA366_SA	6.21	34.72	35.13		35.16	0.002811	0.72	8.60	32.90	0.45
A.07	Tracciato - A.07	125.36	Tr050	CA366_SA	2.99	34.53	34.89	34.78	34.92	0.003222	0.70	4.28	18.96	0.47
A.07	Tracciato - A.07	125.36	Tr200	CA366_SA	4.87	34.53	35.01	34.85	35.04	0.002320	0.71	6.85	23.15	0.42
A.07	Tracciato - A.07	125.36	Tr500	CA366_SA	6.21	34.53	35.09	34.89	35.11	0.001952	0.72	8.67	25.46	0.39
A.07	Tracciato - A.07	105.36	Tr050	CA366_SA	2.99	34.30	34.76		34.83	0.005773	1.11	2.69	9.18	0.66
A.07	Tracciato - A.07	105.36	Tr200	CA366_SA	4.87	34.30	34.88		34.97	0.005444	1.26	3.87	10.47	0.66
A.07	Tracciato - A.07	105.36	Tr500	CA366_SA	6.21	34.30	34.95		35.05	0.005355	1.34	4.62	11.23	0.67
A.07	Tracciato - A.07	85.36	Tr050	CA366_SA	2.99	33.97	34.51	34.51	34.65	0.013895	1.64	1.83	6.71	1.00
A.07	Tracciato - A.07	85.36	Tr200	CA366_SA	4.87	33.97	34.63	34.63	34.80	0.013041	1.80	2.70	8.16	1.00
A.07	Tracciato - A.07	85.36	Tr500	CA366_SA	6.21	33.97	34.70	34.70	34.88	0.012532	1.89	3.29	9.00	1.00
A.07	Tracciato - A.07	65.36	Tr050	CA366_SA	2.99	32.84	33.11	33.27	33.89	0.204197	3.91	0.76	5.75	3.43
A.07	Tracciato - A.07	65.36	Tr200	CA366_SA	4.87	32.84	33.17	33.36	34.07	0.187135	4.20	1.16	7.33	3.38
A.07	Tracciato - A.07	65.36	Tr500	CA366_SA	6.21	32.84	33.20	33.44	34.18	0.177450	4.37	1.42	8.14	3.34
A.07	Tracciato - A.07	45.36	Tr050	CA366_SA	2.99	32.02	32.39	32.43	32.53	0.027050	1.65	1.81	10.82	1.29
A.07	Tracciato - A.07	45.36	Tr200	CA366_SA	4.87	32.02	32.46	32.51	32.63	0.029823	1.86	2.61	14.11	1.38
A.07	Tracciato - A.07	45.36	Tr500	CA366_SA	6.21	32.02	32.49	32.55	32.69	0.031731	2.00	3.11	15.81	1.44
A.07	Tracciato - A.07	25.36	Tr050	CA366_SA	2.99	31.77	32.10	32.07	32.14	0.008070	0.82	3.64	25.19	0.69
A.07	Tracciato - A.07	25.36	Tr200	CA366_SA	4.87	31.77	32.20	32.11	32.23	0.004169	0.80	6.12	26.98	0.53
A.07	Tracciato - A.07	25.36	Tr500	CA366_SA	6.21	31.77	32.26	32.14	32.29	0.003125	0.79	7.90	28.56	0.48

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Cht
A.07	Tracciato - A.07	5.36	Tr050	CA366_SA	2.99	31.49	32.01	31.88	32.04	0.003100	0.77	3.88	14.49	0.47
A.07	Tracciato - A.07	5.36	Tr200	CA366_SA	4.87	31.49	32.12	31.96	32.16	0.002760	0.88	5.56	15.51	0.47
A.07	Tracciato - A.07	5.36	Tr500	CA366_SA	6.21	31.49	32.19	32.01	32.23	0.002689	0.94	6.59	16.11	0.47
A.07	Tracciato - A.07	1	Tr050	CA366_SA	2.99	31.46	31.92	31.90	32.01	0.012011	1.38	2.17	9.34	0.91
A.07	Tracciato - A.07	1	Tr200	CA366_SA	4.87	31.46	32.01	31.99	32.13	0.012010	1.56	3.13	11.15	0.94
A.07	Tracciato - A.07	1	Tr500	CA366_SA	6.21	31.46	32.06	32.05	32.20	0.012016	1.69	3.68	11.58	0.96
A.06	Tracciato - A.06	608.9	Tr050	CA366_SA	5.35	42.30	42.71	42.73	42.84	0.020002	1.59	3.37	17.25	1.15
A.06	Tracciato - A.06	608.9	Tr200	CA366_SA	8.68	42.30	42.79	42.82	42.96	0.020003	1.79	4.86	20.81	1.18
A.06	Tracciato - A.06	608.9	Tr500	CA366_SA	11.11	42.30	42.84	42.87	43.02	0.020004	1.90	5.85	22.88	1.20
A.06	Tracciato - A.06	589.9	Tr050	CA366_SA	5.35	41.78	42.18	42.24	42.38	0.029670	1.94	2.76	14.02	1.40
A.06	Tracciato - A.06	589.9	Tr200	CA366_SA	8.68	41.78	42.27	42.33	42.50	0.027996	2.15	4.04	16.91	1.40
A.06	Tracciato - A.06	589.9	Tr500	CA366_SA	11.11	41.78	42.32	42.39	42.58	0.026959	2.25	4.93	18.64	1.40
A.06	Tracciato - A.06	569.91	Tr050	CA366_SA	5.35	41.54	41.97	41.97	42.07	0.015679	1.43	3.74	18.59	1.02
A.06	Tracciato - A.06	569.91	Tr200	CA366_SA	8.68	41.54	42.05	42.05	42.18	0.014647	1.59	5.47	22.08	1.02
A.06	Tracciato - A.06	569.91	Tr500	CA366_SA	11.11	41.54	42.10	42.10	42.25	0.014034	1.71	6.51	22.75	1.02
A.06	Tracciato - A.06	549.92	Tr050	CA366_SA	5.35	41.17	41.48	41.51	41.61	0.037343	1.59	3.37	27.37	1.45
A.06	Tracciato - A.06	549.92	Tr200	CA366_SA	8.68	41.17	41.52	41.57	41.71	0.041659	1.96	4.42	28.34	1.59
A.06	Tracciato - A.06	549.92	Tr500	CA366_SA	11.11	41.17	41.54	41.61	41.78	0.043286	2.17	5.11	28.95	1.65
A.06	Tracciato - A.06	529.92	Tr050	CA366_SA	5.35	40.50	40.89	40.92	41.04	0.022247	1.72	3.11	15.26	1.22
A.06	Tracciato - A.06	529.92	Tr200	CA366_SA	8.68	40.50	40.98	41.01	41.16	0.019568	1.85	4.69	18.70	1.18
A.06	Tracciato - A.06	529.92	Tr500	CA366_SA	11.11	40.50	41.04	41.07	41.23	0.018508	1.93	5.76	20.72	1.17
A.06	Tracciato - A.06	513.92	Tr050	CA366_SA	5.35	40.36	40.64	40.63	40.71	0.014511	1.17	4.59	29.31	0.94
A.06	Tracciato - A.06	513.92	Tr200	CA366_SA	8.68	40.36	40.67	40.69	40.80	0.024057	1.60	5.43	31.64	1.23
A.06	Tracciato - A.06	513.92	Tr500	CA366_SA	11.11	40.36	40.69	40.73	40.86	0.028397	1.84	6.03	32.14	1.36
A.06	Tracciato - A.06	489.95	Tr050	CA366_SA	5.35	40.00	40.25	40.25	40.33	0.016945	1.25	4.28	27.68	1.01
A.06	Tracciato - A.06	489.95	Tr200	CA366_SA	8.68	40.00	40.31	40.31	40.42	0.015273	1.45	5.99	28.57	1.01
A.06	Tracciato - A.06	489.95	Tr500	CA366_SA	11.11	40.00	40.35	40.35	40.48	0.014517	1.56	7.11	29.14	1.01
A.06	Tracciato - A.06	469.95	Tr050	CA366_SA	5.35	39.03	39.71	39.77	39.89	0.028113	1.88	2.85	14.65	1.36
A.06	Tracciato - A.06	469.95	Tr200	CA366_SA	8.68	39.03	39.80	39.85	40.01	0.027861	2.04	4.26	19.20	1.38
A.06	Tracciato - A.06	469.95	Tr500	CA366_SA	11.11	39.03	39.84	39.91	40.08	0.026899	2.17	5.11	20.27	1.38
A.06	Tracciato - A.06	449.95	Tr050	CA366_SA	5.35	38.96	39.34	39.35	39.42	0.018012	1.22	4.38	30.27	1.03
A.06	Tracciato - A.06	449.95	Tr200	CA366_SA	8.68	38.96	39.38	39.40	39.50	0.020706	1.53	5.67	30.97	1.14
A.06	Tracciato - A.06	449.95	Tr500	CA366_SA	11.11	38.96	39.41	39.44	39.56	0.022675	1.73	6.43	31.37	1.22
A.06	Tracciato - A.06	429.95	Tr050	CA366_SA	5.35	38.70	38.86	38.87	38.94	0.032741	1.31	4.08	40.00	1.31
A.06	Tracciato - A.06	429.95	Tr200	CA366_SA	8.68	38.70	38.89	38.92	39.02	0.029241	1.54	5.65	40.00	1.31
A.06	Tracciato - A.06	429.95	Tr500	CA366_SA	11.11	38.70	38.92	38.95	39.06	0.027129	1.66	6.70	40.00	1.29
A.06	Tracciato - A.06	409.94	Tr050	CA366_SA	5.35	38.35	38.61	38.60	38.68	0.014289	1.20	4.45	26.68	0.94
A.06	Tracciato - A.06	409.94	Tr200	CA366_SA	8.68	38.35	38.67	38.67	38.77	0.015532	1.39	6.23	31.95	1.01
A.06	Tracciato - A.06	409.94	Tr500	CA366_SA	11.11	38.35	38.71	38.71	38.82	0.014950	1.43	7.75	36.95	1.00
A.06	Tracciato - A.06	389.94	Tr050	CA366_SA	5.35	38.07	38.30	38.30	38.36	0.018254	1.11	4.80	38.83	1.01
A.06	Tracciato - A.06	389.94	Tr200	CA366_SA	8.68	38.07	38.34	38.34	38.43	0.018611	1.34	6.46	40.00	1.07
A.06	Tracciato - A.06	389.94	Tr500	CA366_SA	11.11	38.07	38.36	38.37	38.48	0.020027	1.52	7.33	40.00	1.13
A.06	Tracciato - A.06	369.93	Tr050	CA366_SA	5.35	37.23	37.45	37.53	37.71	0.065725	2.25	2.37	17.50	1.96
A.06	Tracciato - A.06	369.93	Tr200	CA366_SA	8.68	37.23	37.52	37.61	37.82	0.054137	2.41	3.60	20.70	1.85
A.06	Tracciato - A.06	369.93	Tr500	CA366_SA	11.11	37.23	37.56	37.66	37.87	0.047356	2.47	4.51	22.72	1.77
A.06	Tracciato - A.06	349.93	Tr050	CA366_SA	5.35	36.25	36.61	36.66	36.80	0.032364	1.95	2.75	14.82	1.44
A.06	Tracciato - A.06	349.93	Tr200	CA366_SA	8.68	36.25	36.67	36.75	36.94	0.035465	2.30	3.77	16.93	1.56
A.06	Tracciato - A.06	349.93	Tr500	CA366_SA	11.11	36.25	36.71	36.81	37.03	0.037622	2.52	4.41	18.13	1.63
A.06	Tracciato - A.06	329.94	Tr050	CA366_SA	5.35	34.89	35.80	35.51	35.84	0.001735	0.81	6.57	14.49	0.39
A.06	Tracciato - A.06	329.94	Tr200	CA366_SA	8.68	34.89	35.92	35.65	35.98	0.002367	1.03	8.42	16.46	0.46
A.06	Tracciato - A.06	329.94	Tr500	CA366_SA	11.11	34.89	35.99	35.73	36.06	0.002761	1.16	9.57	17.58	0.50
A.06	Tracciato - A.06	309.93	Tr050	CA366_SA	5.35	34.81	35.81		35.82	0.000375	0.40	13.44	27.68	0.18
A.06	Tracciato - A.06	309.93	Tr200	CA366_SA	8.68	34.81	35.93		35.95	0.000520	0.51	17.12	31.35	0.22
A.06	Tracciato - A.06	309.93	Tr500	CA366_SA	11.11	34.81	36.01		36.02	0.000607	0.57	19.46	33.50	0.24
A.06	Tracciato - A.06	289.93	Tr050	CA366_SA	5.35	35.23	35.67	35.67	35.78	0.014963	1.51	3.55	15.79	1.01
A.06	Tracciato - A.06	289.93	Tr200	CA366_SA	8.68	35.23	35.76	35.76	35.90	0.014006	1.66	5.22	19.04	1.01
A.06	Tracciato - A.06	289.93	Tr500	CA366_SA	11.11	35.23	35.83	35.83	35.98	0.013303	1.72	6.47	21.65	1.00
A.06	Tracciato - A.06	269.93	Tr050	CA366_SA	5.35	34.92	35.23	35.27	35.37	0.030191	1.64	3.27	21.72	1.35
A.06	Tracciato - A.06	269.93	Tr200	CA366_SA	8.68	34.92	35.28	35.34	35.48	0.035326	1.95	4.45	25.57	1.49
A.06	Tracciato - A.06	269.93	Tr500	CA366_SA	11.11	34.92	35.31	35.38	35.54	0.038770	2.15	5.18	27.68	1.58
A.06	Tracciato - A.06	249.93	Tr050	CA366_SA	5.35	34.45	35.07	34.81	35.08	0.000781	0.45	11.99	36.11	0.25
A.06	Tracciato - A.06	249.93	Tr200	CA366_SA	8.68	34.45	35.31	34.88	35.32	0.000348	0.41	21.35	40.00	0.18
A.06	Tracciato - A.06	249.93	Tr500	CA366_SA	11.11	34.45	35.46	34.92	35.47	0.000254	0.41	27.27	40.00	0.16
A.06	Tracciato - A.06	229.93	Tr050	CA366_SA	5.35	34.14	35.06		35.07	0.000586	0.40	13.26	37.29	0.22
A.06	Tracciato - A.06	229.93	Tr200	CA366_SA	8.68	34.14	35.31		35.32	0.000275	0.38	22.95	40.00	0.16
A.06	Tracciato - A.06	229.93	Tr500	CA366_SA	11.11	34.14	35.46		35.46	0.000211	0.38	28.93	40.00	0.14
A.06	Tracciato - A.06	209.93	Tr050	CA366_SA	5.35	33.84	34.78	34.78	35.02	0.012496	2.17	2.47	5.18	1.00
A.06	Tracciato - A.06	209.93	Tr200	CA366_SA	8.68	33.84	34.98	34.98	35.27	0.011607	2.38	3.65	6.31	1.00
A.06	Tracciato - A.06	209.93	Tr500	CA366_SA	11.11	33.84	35.10	35.10	35.42	0.011298	2.51	4.43	6.95	1.00

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude #	Chl
A.06	Tracciato - A.06	189.93	Tr050	CA366_SA	5.35	33.36	33.63	33.79	34.34	0.184509	3.72	1.44	10.83		3.26
A.06	Tracciato - A.06	189.93	Tr200	CA366_SA	8.68	33.36	33.68	33.86	34.60	0.200790	4.25	2.04	13.46		3.48
A.06	Tracciato - A.06	189.93	Tr500	CA366_SA	11.11	33.36	33.71	33.89	34.74	0.239039	4.49	2.48	17.12		3.77
A.06	Tracciato - A.06	169.92	Tr050	CA366_SA	5.35	33.13	33.36	33.36	33.44	0.016895	1.24	4.31	27.97		1.01
A.06	Tracciato - A.06	169.92	Tr200	CA366_SA	8.68	33.13	33.41	33.42	33.52	0.017643	1.49	5.81	29.55		1.07
A.06	Tracciato - A.06	169.92	Tr500	CA366_SA	11.11	33.13	33.44	33.46	33.58	0.018217	1.64	6.77	30.50		1.11
A.06	Tracciato - A.06	149.92	Tr050	CA366_SA	5.35	32.69	32.91	32.93	33.01	0.028067	1.41	3.80	29.96		1.26
A.06	Tracciato - A.06	149.92	Tr200	CA366_SA	8.68	32.69	32.95	32.99	33.09	0.026558	1.65	5.27	31.44		1.29
A.06	Tracciato - A.06	149.92	Tr500	CA366_SA	11.11	32.69	32.98	33.02	33.14	0.025917	1.77	6.26	32.85		1.30
A.06	Tracciato - A.06	129.92	Tr050	CA366_SA	5.35	31.47	31.72	31.82	32.07	0.086440	2.63	2.04	14.67		2.25
A.06	Tracciato - A.06	129.92	Tr200	CA366_SA	8.68	31.47	31.78	31.90	32.21	0.077943	2.93	2.96	16.76		2.22
A.06	Tracciato - A.06	129.92	Tr500	CA366_SA	11.11	31.47	31.81	31.95	32.31	0.070527	3.11	3.57	17.03		2.17
A.06	Tracciato - A.06	109.92	Tr050	CA366_SA	5.35	31.33	31.73	31.73	31.83	0.015737	1.38	3.87	20.35		1.01
A.06	Tracciato - A.06	109.92	Tr200	CA366_SA	8.68	31.33	31.82	31.82	31.93	0.015133	1.48	5.85	26.82		1.02
A.06	Tracciato - A.06	109.92	Tr500	CA366_SA	11.11	31.33	31.87	31.87	31.99	0.014525	1.53	7.27	30.97		1.01
A.06	Tracciato - A.06	89.92	Tr050	CA366_SA	5.35	30.86	31.14	31.20	31.33	0.043429	1.91	2.80	19.33		1.61
A.06	Tracciato - A.06	89.92	Tr200	CA366_SA	8.68	30.86	31.20	31.27	31.44	0.043248	2.18	3.98	22.55		1.66
A.06	Tracciato - A.06	89.92	Tr500	CA366_SA	11.11	30.86	31.24	31.32	31.51	0.043399	2.30	4.82	25.22		1.68
A.06	Tracciato - A.06	69.93	Tr050	CA366_SA	5.35	30.43	30.81	30.81	30.91	0.015850	1.37	3.90	20.90		1.01
A.06	Tracciato - A.06	69.93	Tr200	CA366_SA	8.68	30.43	30.89	30.89	31.01	0.014913	1.52	5.73	25.18		1.02
A.06	Tracciato - A.06	69.93	Tr500	CA366_SA	11.11	30.43	30.94	30.94	31.07	0.014409	1.60	6.95	27.55		1.02
A.06	Tracciato - A.06	49.92	Tr050	CA366_SA	5.35	30.02	30.52	30.44	30.57	0.006350	1.04	5.16	21.11		0.67
A.06	Tracciato - A.06	49.92	Tr200	CA366_SA	8.68	30.02	30.59	30.53	30.67	0.007893	1.27	6.84	24.31		0.76
A.06	Tracciato - A.06	49.92	Tr500	CA366_SA	11.11	30.02	30.63	30.58	30.73	0.008996	1.42	7.83	26.03		0.83
A.06	Tracciato - A.06	29.92	Tr050	CA366_SA	5.35	29.69	30.37	30.33	30.42	0.009599	0.98	5.44	32.82		0.77
A.06	Tracciato - A.06	29.92	Tr200	CA366_SA	8.68	29.69	30.43		30.50	0.009247	1.11	7.80	37.95		0.78
A.06	Tracciato - A.06	29.92	Tr500	CA366_SA	11.11	29.69	30.47		30.55	0.008837	1.19	9.37	40.00		0.78
A.06	Tracciato - A.06	9.93	Tr050	CA366_SA	5.35	29.35	30.08	30.08	30.17	0.016303	1.31	4.09	23.85		1.01
A.06	Tracciato - A.06	9.93	Tr200	CA366_SA	8.68	29.35	30.15	30.15	30.26	0.014989	1.46	5.95	27.75		1.00
A.06	Tracciato - A.06	9.93	Tr500	CA366_SA	11.11	29.35	30.20	30.20	30.32	0.014394	1.54	7.22	30.11		1.00
A.06	Tracciato - A.06	1	Tr050	CA366_SA	5.35	29.00	29.50	29.63	29.90	0.047358	2.80	1.91	7.84		1.81
A.06	Tracciato - A.06	1	Tr200	CA366_SA	8.68	29.00	29.64	29.76	30.04	0.033888	2.80	3.10	9.91		1.60
A.06	Tracciato - A.06	1	Tr500	CA366_SA	11.11	29.00	29.72	29.85	30.11	0.027892	2.76	4.02	11.34		1.48
A.05	Tracciato - A.05	234.69	Tr050	CA366_SA	0.26	40.86	40.94	40.95	40.99	0.050067	0.98	0.27	5.61		1.43
A.05	Tracciato - A.05	234.69	Tr200	CA366_SA	0.48	40.86	40.96	40.98	41.03	0.050022	1.20	0.40	6.18		1.51
A.05	Tracciato - A.05	234.69	Tr500	CA366_SA	0.63	40.86	40.97	41.00	41.06	0.050024	1.31	0.48	6.48		1.54
A.05	Tracciato - A.05	215.7	Tr050	CA366_SA	0.26	40.12	40.20	40.20	40.22	0.032482	0.67	0.39	10.33		1.11
A.05	Tracciato - A.05	215.7	Tr200	CA366_SA	0.48	40.12	40.22	40.22	40.25	0.033357	0.85	0.56	10.75		1.19
A.05	Tracciato - A.05	215.7	Tr500	CA366_SA	0.63	40.12	40.23	40.24	40.27	0.034120	0.95	0.66	10.98		1.23
A.05	Tracciato - A.05	195.7	Tr050	CA366_SA	0.26	38.61	38.72	38.77	38.92	0.181646	2.00	0.13	2.47		2.77
A.05	Tracciato - A.05	195.7	Tr200	CA366_SA	0.48	38.61	38.75	38.81	38.99	0.153819	2.19	0.22	3.20		2.66
A.05	Tracciato - A.05	195.7	Tr500	CA366_SA	0.63	38.61	38.76	38.84	39.03	0.140531	2.26	0.28	3.61		2.60
A.05	Tracciato - A.05	175.7	Tr050	CA366_SA	0.26	37.76	37.91	37.92	37.96	0.025309	0.95	0.27	3.63		1.10
A.05	Tracciato - A.05	175.7	Tr200	CA366_SA	0.48	37.76	37.96	37.96	38.01	0.021879	1.05	0.46	4.59		1.07
A.05	Tracciato - A.05	175.7	Tr500	CA366_SA	0.63	37.76	37.97	37.98	38.04	0.022729	1.16	0.54	4.90		1.11
A.05	Tracciato - A.05	165.55	Tr050	CA366_SA	0.26	37.25	37.36	37.40	37.49	0.105051	1.57	0.17	2.98		2.13
A.05	Tracciato - A.05	165.55	Tr200	CA366_SA	0.48	37.25	37.39	37.44	37.57	0.114728	1.89	0.25	3.69		2.30
A.05	Tracciato - A.05	165.55	Tr500	CA366_SA	0.63	37.25	37.40	37.46	37.60	0.105131	1.96	0.32	4.16		2.25
A.05	Tracciato - A.05	151.2	Tr050	CA366_SA	0.26	35.61	35.74	35.79	35.90	0.115262	1.80	0.14	2.24		2.27
A.05	Tracciato - A.05	151.2	Tr200	CA366_SA	0.48	35.61	35.77	35.84	35.99	0.105863	2.04	0.24	2.86		2.27
A.05	Tracciato - A.05	151.2	Tr500	CA366_SA	0.63	35.61	35.79	35.86	36.04	0.111340	2.22	0.28	3.14		2.36
A.05	Tracciato - A.05	135.71	Tr050	CA366_SA	0.26	35.22	35.38	35.38	35.42	0.020571	0.88	0.30	3.73		1.00
A.05	Tracciato - A.05	135.71	Tr200	CA366_SA	0.48	35.22	35.42	35.42	35.47	0.019255	1.00	0.48	4.75		1.00
A.05	Tracciato - A.05	135.71	Tr500	CA366_SA	0.63	35.22	35.44	35.44	35.50	0.018810	1.06	0.59	5.29		1.01
A.05	Tracciato - A.05	122.39	Tr050	CA366_SA	0.26	34.41	34.52	34.58	34.76	0.207776	2.20	0.12	2.12		2.98
A.05	Tracciato - A.05	122.39	Tr200	CA366_SA	0.48	34.41	34.55	34.62	34.86	0.187534	2.47	0.19	2.72		2.95
A.05	Tracciato - A.05	122.39	Tr500	CA366_SA	0.63	34.41	34.56	34.65	34.90	0.175996	2.58	0.24	3.05		2.92
A.05	Tracciato - A.05	102.56	Tr050	CA366_SA	0.26	33.98	34.16	34.16	34.20	0.017511	0.88	0.29	3.27		0.94
A.05	Tracciato - A.05	102.56	Tr200	CA366_SA	0.48	33.98	34.20	34.20	34.26	0.019013	1.06	0.45	4.05		1.01
A.05	Tracciato - A.05	102.56	Tr500	CA366_SA	0.63	33.98	34.23	34.23	34.29	0.018327	1.12	0.56	4.51		1.01
A.05	Tracciato - A.05	95.7	Tr050	CA366_SA	0.26	33.91	34.03	34.03	34.07	0.021430	0.82	0.32	4.64		1.00
A.05	Tracciato - A.05	95.7	Tr200	CA366_SA	0.48	33.91	34.07	34.07	34.12	0.022657	0.99	0.48	5.46		1.07
A.05	Tracciato - A.05	95.7	Tr500	CA366_SA	0.63	33.91	34.08	34.09	34.15	0.026167	1.13	0.56	5.80		1.16
A.05	Tracciato - A.05	81.6	Tr050	CA366_SA	0.26	33.33	33.48	33.49	33.53	0.088825	0.94	0.28	9.38		1.76
A.05	Tracciato - A.05	81.6	Tr200	CA366_SA	0.48	33.33	33.49	33.52	33.56	0.083618	1.18	0.41	9.55		1.82
A.05	Tracciato - A.05	81.6	Tr500	CA366_SA	0.63	33.33	33.51	33.53	33.58	0.068255	1.22	0.52	9.80		1.70
A.05	Tracciato - A.05	67.79	Tr050	CA366_SA	0.26	32.56	32.77	32.79	32.85	0.030487	1.29	0.20	1.89		1.26
A.05	Tracciato - A.05	67.79	Tr200	CA366_SA	0.48	32.56	32.83	32.85	32.94	0.028369	1.46	0.33	2.41		1.27
A.05	Tracciato - A.05	67.79	Tr500	CA366_SA	0.63	32.56	32.86	32.89	32.98	0.029306	1.58	0.40	2.65		1.31

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Cht
A.05	Tracciato - A.05	55.7	Tr050	CA366_SA	0.26	32.12	32.25	32.28	32.32	0.067732	1.13	0.23	4.84	1.67
A.05	Tracciato - A.05	55.7	Tr200	CA366_SA	0.48	32.12	32.27	32.31	32.37	0.088578	1.40	0.34	6.41	1.94
A.05	Tracciato - A.05	55.7	Tr500	CA366_SA	0.63	32.12	32.29	32.32	32.40	0.090947	1.49	0.42	7.42	1.99
A.05	Tracciato - A.05	39.42	Tr050	CA366_SA	0.26	30.19	30.27	30.33	30.51	0.207835	2.21	0.12	2.12	2.99
A.05	Tracciato - A.05	39.42	Tr200	CA366_SA	0.48	30.19	30.31	30.38	30.57	0.140091	2.27	0.21	2.70	2.59
A.05	Tracciato - A.05	39.42	Tr500	CA366_SA	0.63	30.19	30.32	30.40	30.61	0.131652	2.39	0.26	2.98	2.57
A.05	Tracciato - A.05	28.63	Tr050	CA366_SA	0.26	29.86	30.02	29.99	30.03	0.006171	0.47	0.56	7.24	0.54
A.05	Tracciato - A.05	28.63	Tr200	CA366_SA	0.48	29.86	29.99	30.02	30.08	0.069675	1.36	0.35	5.71	1.75
A.05	Tracciato - A.05	28.63	Tr500	CA366_SA	0.63	29.86	30.07	30.04	30.09	0.007774	0.66	0.96	8.97	0.64
A.05	Tracciato - A.05	15.7	Tr050	CA366_SA	0.26	29.76	29.86	29.86	29.89	0.026642	0.72	0.36	7.61	1.05
A.05	Tracciato - A.05	15.7	Tr200	CA366_SA	0.48	29.76	29.89	29.89	29.92	0.023324	0.78	0.62	10.36	1.02
A.05	Tracciato - A.05	15.7	Tr500	CA366_SA	0.63	29.76	29.91	29.91	29.94	0.021575	0.80	0.79	11.82	0.99
A.05	Tracciato - A.05	1	Tr050	CA366_SA	0.26	28.04	28.07	28.07	28.09	0.027477	0.52	0.50	17.62	0.98
A.05	Tracciato - A.05	1	Tr200	CA366_SA	0.48	28.04	28.05	28.09	28.70	5.706020	3.56	0.13	14.25	11.69
A.05	Tracciato - A.05	1	Tr500	CA366_SA	0.63	28.04	28.05	28.10	28.73	4.465568	3.65	0.17	14.63	10.73
A.04.bis	Tracciato - A.04	447.83	Tr050	Solo A04.bis	9.37	73.16	74.12	74.12	74.30	0.012847	1.88	4.98	13.86	1.00
A.04.bis	Tracciato - A.04	447.83	Tr200	Solo A04.bis	14.93	73.16	74.28	74.28	74.48	0.012200	2.00	7.48	18.39	1.00
A.04.bis	Tracciato - A.04	447.83	Tr500	Solo A04.bis	19.05	73.16	74.36	74.36	74.58	0.012000	2.11	9.02	20.18	1.01
A.04.bis	Tracciato - A.04	428.83	Tr050	Solo A04.bis	9.37	73.13	73.64	73.73	73.93	0.031438	2.38	3.94	15.36	1.50
A.04.bis	Tracciato - A.04	428.83	Tr200	Solo A04.bis	14.93	73.13	73.73	73.85	74.11	0.032781	2.71	5.50	18.16	1.57
A.04.bis	Tracciato - A.04	428.83	Tr500	Solo A04.bis	19.05	73.13	73.79	73.95	74.21	0.032558	2.87	6.63	19.93	1.59
A.04.bis	Tracciato - A.04	408.85	Tr050	Solo A04.bis	9.37	72.78	73.42	73.42	73.58	0.013355	1.79	5.23	16.40	1.01
A.04.bis	Tracciato - A.04	408.85	Tr200	Solo A04.bis	14.93	72.78	73.55	73.55	73.75	0.012535	1.97	7.58	19.73	1.01
A.04.bis	Tracciato - A.04	408.85	Tr500	Solo A04.bis	19.05	72.78	73.63	73.63	73.84	0.012099	2.06	9.23	21.76	1.01
A.04.bis	Tracciato - A.04	388.85	Tr050	Solo A04.bis	9.37	72.28	72.59	72.72	73.03	0.073218	2.93	3.20	17.24	2.17
A.04.bis	Tracciato - A.04	388.85	Tr200	Solo A04.bis	14.93	72.28	72.66	72.83	73.21	0.070673	3.28	4.55	20.14	2.21
A.04.bis	Tracciato - A.04	388.85	Tr500	Solo A04.bis	19.05	72.28	72.71	72.89	73.33	0.069994	3.49	5.46	21.88	2.23
A.04.bis	Tracciato - A.04	368.86	Tr050	Solo A04.bis	9.37	72.08	72.55	72.43	72.60	0.004461	1.02	9.19	29.59	0.58
A.04.bis	Tracciato - A.04	368.86	Tr200	Solo A04.bis	14.93	72.08	72.64	72.53	72.72	0.005256	1.24	12.07	32.94	0.65
A.04.bis	Tracciato - A.04	368.86	Tr500	Solo A04.bis	19.05	72.08	72.70	72.59	72.79	0.005628	1.36	14.03	35.04	0.69
A.04.bis	Tracciato - A.04	348.87	Tr050	Solo A04.bis	9.37	71.93	72.46		72.51	0.004672	0.96	9.78	35.70	0.58
A.04.bis	Tracciato - A.04	348.87	Tr200	Solo A04.bis	14.93	71.93	72.54		72.61	0.005225	1.18	12.66	36.67	0.64
A.04.bis	Tracciato - A.04	348.87	Tr500	Solo A04.bis	19.05	71.93	72.59		72.68	0.005595	1.31	14.50	37.56	0.68
A.04.bis	Tracciato - A.04	328.87	Tr050	Solo A04.bis	9.37	71.54	72.25	72.25	72.34	0.015942	1.37	6.85	36.91	1.01
A.04.bis	Tracciato - A.04	328.87	Tr200	Solo A04.bis	14.93	71.54	72.32	72.32	72.44	0.014513	1.54	9.68	40.57	1.01
A.04.bis	Tracciato - A.04	328.87	Tr500	Solo A04.bis	19.05	71.54	72.36	72.36	72.50	0.013705	1.65	11.52	41.56	1.00
A.04.bis	Tracciato - A.04	308.88	Tr050	Solo A04.bis	9.37	71.19	71.58	71.65	71.83	0.044933	2.24	4.18	23.37	1.69
A.04.bis	Tracciato - A.04	308.88	Tr200	Solo A04.bis	14.93	71.19	71.65	71.75	71.97	0.040875	2.50	5.98	26.50	1.68
A.04.bis	Tracciato - A.04	308.88	Tr500	Solo A04.bis	19.05	71.19	71.70	71.80	72.03	0.044777	2.53	7.53	34.97	1.74
A.04.bis	Tracciato - A.04	288.88	Tr050	Solo A04.bis	9.37	70.19	70.65	70.77	70.97	0.040351	2.52	3.73	16.12	1.67
A.04.bis	Tracciato - A.04	288.88	Tr200	Solo A04.bis	14.93	70.19	70.74	70.87	71.14	0.040372	2.81	5.31	19.47	1.72
A.04.bis	Tracciato - A.04	288.88	Tr500	Solo A04.bis	19.05	70.19	70.81	70.93	71.20	0.037940	2.77	6.87	24.55	1.67
A.04.bis	Tracciato - A.04	268.89	Tr050	Solo A04.bis	9.37	69.39	70.40	70.27	70.48	0.005488	1.26	7.41	20.06	0.66
A.04.bis	Tracciato - A.04	268.89	Tr200	Solo A04.bis	14.93	69.39	70.51	70.41	70.63	0.006569	1.50	9.93	23.78	0.74
A.04.bis	Tracciato - A.04	268.89	Tr500	Solo A04.bis	19.05	69.39	70.57	70.49	70.71	0.007407	1.66	11.45	25.75	0.80
A.04.bis	Tracciato - A.04	248.89	Tr050	Solo A04.bis	9.37	69.34	70.31	70.19	70.36	0.005084	1.06	8.82	29.36	0.62
A.04.bis	Tracciato - A.04	248.89	Tr200	Solo A04.bis	14.93	69.34	70.43		70.50	0.004826	1.15	12.96	36.78	0.62
A.04.bis	Tracciato - A.04	248.89	Tr500	Solo A04.bis	19.05	69.34	70.49		70.57	0.005040	1.24	15.38	40.51	0.64
A.04.bis	Tracciato - A.04	228.9	Tr050	Solo A04.bis	9.37	69.20	70.04	70.04	70.20	0.012965	1.77	5.29	16.50	1.00
A.04.bis	Tracciato - A.04	228.9	Tr200	Solo A04.bis	14.93	69.20	70.19	70.19	70.34	0.013980	1.72	8.70	30.11	1.02
A.04.bis	Tracciato - A.04	228.9	Tr500	Solo A04.bis	19.05	69.20	70.26	70.26	70.41	0.013644	1.73	11.00	36.95	1.01
A.04.bis	Tracciato - A.04	208.9	Tr050	Solo A04.bis	9.37	68.41	69.48	69.23	69.52	0.002090	0.88	10.62	23.98	0.42
A.04.bis	Tracciato - A.04	208.9	Tr200	Solo A04.bis	14.93	68.41	69.67	69.36	69.72	0.001890	0.97	15.42	28.08	0.42
A.04.bis	Tracciato - A.04	208.9	Tr500	Solo A04.bis	19.05	68.41	69.78	69.43	69.83	0.001883	1.02	18.59	31.02	0.42
A.04.bis	Tracciato - A.04	188.9	Tr050	Solo A04.bis	9.37	68.41	69.48		69.49	0.000724	0.59	15.96	29.99	0.26
A.04.bis	Tracciato - A.04	188.9	Tr200	Solo A04.bis	14.93	68.41	69.66		69.69	0.000779	0.68	22.02	35.23	0.27
A.04.bis	Tracciato - A.04	188.9	Tr500	Solo A04.bis	19.05	68.41	69.77		69.80	0.000796	0.73	26.00	37.62	0.28
A.04.bis	Tracciato - A.04	168.9	Tr050	Solo A04.bis	9.37	68.41	69.47		69.48	0.000514	0.54	17.42	28.75	0.22
A.04.bis	Tracciato - A.04	168.9	Tr200	Solo A04.bis	14.93	68.41	69.65		69.67	0.000606	0.65	23.10	32.71	0.25
A.04.bis	Tracciato - A.04	168.9	Tr500	Solo A04.bis	19.05	68.41	69.76		69.78	0.000623	0.72	26.63	32.96	0.25
A.04.bis	Tracciato - A.04	148.95	Tr050	Solo A04.bis	9.37	68.37	69.42		69.46	0.002686	0.87	10.79	30.03	0.46
A.04.bis	Tracciato - A.04	148.95	Tr200	Solo A04.bis	14.93	68.37	69.61		69.65	0.001718	0.88	16.93	32.74	0.39
A.04.bis	Tracciato - A.04	148.95	Tr500	Solo A04.bis	19.05	68.37	69.72		69.76	0.001499	0.93	20.50	32.98	0.38
A.04.bis	Tracciato - A.04	128.95	Tr050	Solo A04.bis	9.37	68.21	69.35	69.03	69.41	0.002100	1.04	9.01	15.76	0.44
A.04.bis	Tracciato - A.04	128.95	Tr200	Solo A04.bis	14.93	68.21	69.52	69.20	69.60	0.002549	1.26	11.89	18.10	0.49
A.04.bis	Tracciato - A.04	128.95	Tr500	Solo A04.bis	19.05	68.21	69.62	69.30	69.72	0.002873	1.40	13.65	19.39	0.53
A.04.bis	Tracciato - A.04	108.95*	Tr050	Solo A04.bis	9.37	68.22	69.31	69.02	69.36	0.002415	1.07	8.78	16.48	0.47
A.04.bis	Tracciato - A.04	108.95*	Tr200	Solo A04.bis	14.93	68.22	69.46	69.18	69.55	0.002991	1.28	11.63	19.42	0.53
A.04.bis	Tracciato - A.04	108.95*	Tr500	Solo A04.bis	19.05	68.22	69.55	69.28	69.65	0.003404	1.43	13.37	21.01	0.57

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Cht
A.04_bis	Tracciato - A.04	88.95*	Tr050	Solo A04_bis	9.37	68.23	69.25	69.00	69.31	0.002909	1.10	8.54	17.72	0.50
A.04_bis	Tracciato - A.04	88.95*	Tr200	Solo A04_bis	14.93	68.23	69.39	69.16	69.48	0.003764	1.31	11.39	22.01	0.58
A.04_bis	Tracciato - A.04	88.95*	Tr500	Solo A04_bis	19.05	68.23	69.47	69.26	69.58	0.004016	1.44	13.24	23.29	0.61
A.04_bis	Tracciato - A.04	68.95*	Tr050	Solo A04_bis	9.37	68.25	69.17	68.97	69.24	0.004145	1.14	8.21	21.07	0.58
A.04_bis	Tracciato - A.04	68.95*	Tr200	Solo A04_bis	14.93	68.25	69.31	69.13	69.40	0.004180	1.34	11.14	22.45	0.61
A.04_bis	Tracciato - A.04	68.95*	Tr500	Solo A04_bis	19.05	68.25	69.38	69.22	69.49	0.004537	1.49	12.75	23.13	0.64
A.04_bis	Tracciato - A.04	48.95*	Tr050	Solo A04_bis	9.37	68.26	69.08	68.93	69.15	0.004749	1.19	7.86	20.89	0.62
A.04_bis	Tracciato - A.04	48.95*	Tr200	Solo A04_bis	14.93	68.26	69.21	69.08	69.31	0.004708	1.38	10.78	22.61	0.64
A.04_bis	Tracciato - A.04	48.95*	Tr500	Solo A04_bis	19.05	68.26	69.22	69.15	69.37	0.007578	1.76	10.82	22.64	0.81
A.04_bis	Tracciato - A.04	28.95	Tr050	Solo A04_bis	9.37	68.27	68.85	68.84	69.00	0.012006	1.70	5.51	17.31	0.96
A.04_bis	Tracciato - A.04	28.95	Tr200	Solo A04_bis	14.93	68.27	68.98	68.98	69.16	0.012019	1.89	7.89	21.09	0.99
A.04_bis	Tracciato - A.04	28.95	Tr500	Solo A04_bis	19.05	68.27	69.04	69.03	69.18	0.012006	1.63	11.70	39.13	0.95
A.04	Tracciato - A.04	525.58	Tr050	CA366_SA	1.60	97.03	97.33	97.41	97.60	0.060081	2.29	0.70	4.67	1.89
A.04	Tracciato - A.04	525.58	Tr200	CA366_SA	2.44	97.03	97.38	97.48	97.71	0.060071	2.55	0.96	5.46	1.94
A.04	Tracciato - A.04	525.58	Tr500	CA366_SA	3.02	97.03	97.41	97.53	97.78	0.060060	2.69	1.12	5.92	1.97
A.04	Tracciato - A.04	505.58	Tr050	CA366_SA	1.60	95.37	95.63	95.73	96.01	0.106966	2.76	0.58	4.54	2.46
A.04	Tracciato - A.04	505.58	Tr200	CA366_SA	2.44	95.37	95.67	95.80	96.14	0.104682	3.04	0.80	5.34	2.50
A.04	Tracciato - A.04	505.58	Tr500	CA366_SA	3.02	95.37	95.70	95.84	96.22	0.103378	3.19	0.95	5.80	2.52
A.04	Tracciato - A.04	485.62	Tr050	CA366_SA	1.60	93.93	94.18	94.26	94.41	0.059088	2.12	0.76	5.63	1.85
A.04	Tracciato - A.04	485.62	Tr200	CA366_SA	2.44	93.93	94.23	94.32	94.52	0.061261	2.37	1.03	6.62	1.93
A.04	Tracciato - A.04	485.62	Tr500	CA366_SA	3.02	93.93	94.25	94.36	94.58	0.062566	2.52	1.20	7.17	1.97
A.04	Tracciato - A.04	465.63	Tr050	CA366_SA	1.60	92.88	93.13	93.19	93.31	0.050645	1.83	0.87	7.19	1.68
A.04	Tracciato - A.04	465.63	Tr200	CA366_SA	2.44	92.88	93.18	93.24	93.39	0.050245	2.03	1.20	8.45	1.72
A.04	Tracciato - A.04	465.63	Tr500	CA366_SA	3.02	92.88	93.20	93.27	93.43	0.050328	2.14	1.41	9.15	1.75
A.04	Tracciato - A.04	445.63	Tr050	CA366_SA	1.60	91.60	91.85	91.92	92.08	0.075278	2.10	0.76	6.92	2.02
A.04	Tracciato - A.04	445.63	Tr200	CA366_SA	2.44	91.60	91.89	91.98	92.16	0.075599	2.30	1.06	8.39	2.07
A.04	Tracciato - A.04	445.63	Tr500	CA366_SA	3.02	91.60	91.91	92.00	92.21	0.075532	2.41	1.26	9.31	2.09
A.04	Tracciato - A.04	425.64	Tr050	CA366_SA	1.60	90.68	91.01	91.05	91.15	0.029845	1.71	0.94	5.75	1.35
A.04	Tracciato - A.04	425.64	Tr200	CA366_SA	2.44	90.68	91.06	91.11	91.24	0.029297	1.89	1.29	6.76	1.38
A.04	Tracciato - A.04	425.64	Tr500	CA366_SA	3.02	90.68	91.10	91.15	91.30	0.028979	1.98	1.52	7.34	1.39
A.04	Tracciato - A.04	405.64	Tr050	CA366_SA	1.60	89.26	89.55	89.69	90.07	0.115931	3.20	0.50	3.29	2.62
A.04	Tracciato - A.04	405.64	Tr200	CA366_SA	2.44	89.26	89.61	89.77	90.20	0.103755	3.41	0.71	3.92	2.55
A.04	Tracciato - A.04	405.64	Tr500	CA366_SA	3.02	89.26	89.64	89.82	90.27	0.099160	3.52	0.86	4.34	2.53
A.04	Tracciato - A.04	385.64	Tr050	CA366_SA	1.60	88.27	88.61	88.67	88.80	0.035385	1.91	0.84	4.94	1.48
A.04	Tracciato - A.04	385.64	Tr200	CA366_SA	2.44	88.27	88.66	88.74	88.91	0.038594	2.19	1.11	5.69	1.58
A.04	Tracciato - A.04	385.64	Tr500	CA366_SA	3.02	88.27	88.69	88.78	88.97	0.040001	2.34	1.29	6.12	1.63
A.04	Tracciato - A.04	365.64	Tr050	CA366_SA	1.60	87.18	87.40	87.49	87.69	0.095918	2.38	0.67	6.08	2.28
A.04	Tracciato - A.04	365.64	Tr200	CA366_SA	2.44	87.18	87.44	87.54	87.78	0.088341	2.56	0.95	7.24	2.25
A.04	Tracciato - A.04	365.64	Tr500	CA366_SA	3.02	87.18	87.47	87.58	87.83	0.085897	2.67	1.13	7.88	2.25
A.04	Tracciato - A.04	345.65	Tr050	CA366_SA	1.60	85.60	85.91	86.01	86.21	0.058576	2.42	0.66	3.98	1.89
A.04	Tracciato - A.04	345.65	Tr200	CA366_SA	2.44	85.60	85.97	86.09	86.34	0.059150	2.70	0.90	4.62	1.95
A.04	Tracciato - A.04	345.65	Tr500	CA366_SA	3.02	85.60	86.00	86.13	86.42	0.058845	2.85	1.06	5.00	1.98
A.04	Tracciato - A.04	325.65	Tr050	CA366_SA	1.60	84.47	84.79	84.88	85.06	0.055456	2.30	0.69	4.32	1.83
A.04	Tracciato - A.04	325.65	Tr200	CA366_SA	2.44	84.47	84.85	84.95	85.18	0.055658	2.56	0.95	5.06	1.89
A.04	Tracciato - A.04	325.65	Tr500	CA366_SA	3.02	84.47	84.88	85.00	85.25	0.056295	2.71	1.11	5.47	1.92
A.04	Tracciato - A.04	305.65	Tr050	CA366_SA	1.60	83.33	83.65	83.74	83.93	0.057148	2.35	0.68	4.22	1.86
A.04	Tracciato - A.04	305.65	Tr200	CA366_SA	2.44	83.33	83.71	83.82	84.06	0.056324	2.61	0.93	4.85	1.90
A.04	Tracciato - A.04	305.65	Tr500	CA366_SA	3.02	83.33	83.74	83.86	84.13	0.055913	2.76	1.09	5.22	1.92
A.04	Tracciato - A.04	285.65	Tr050	CA366_SA	1.60	82.50	82.82	82.87	83.00	0.036616	1.88	0.85	5.27	1.50
A.04	Tracciato - A.04	285.65	Tr200	CA366_SA	2.44	82.50	82.87	82.94	83.10	0.038231	2.13	1.15	6.11	1.57
A.04	Tracciato - A.04	285.65	Tr500	CA366_SA	3.02	82.50	82.90	82.98	83.16	0.039137	2.26	1.33	6.59	1.61
A.04	Tracciato - A.04	265.65	Tr050	CA366_SA	1.60	81.58	81.80	81.87	82.01	0.069100	2.04	0.78	6.94	1.94
A.04	Tracciato - A.04	265.65	Tr200	CA366_SA	2.44	81.58	81.84	81.92	82.10	0.067524	2.27	1.07	7.98	1.98
A.04	Tracciato - A.04	265.65	Tr500	CA366_SA	3.02	81.58	81.86	81.95	82.16	0.066743	2.39	1.26	8.58	1.99
A.04	Tracciato - A.04	245.65	Tr050	CA366_SA	1.60	80.72	81.04	81.07	81.17	0.027317	1.60	1.00	6.33	1.29
A.04	Tracciato - A.04	245.65	Tr200	CA366_SA	2.44	80.72	81.09	81.13	81.25	0.027643	1.79	1.36	7.40	1.33
A.04	Tracciato - A.04	245.65	Tr500	CA366_SA	3.02	80.72	81.12	81.17	81.30	0.027822	1.89	1.60	8.01	1.35
A.04	Tracciato - A.04	225.66	Tr050	CA366_SA	1.60	80.14	80.42	80.45	80.56	0.034255	1.65	0.97	6.97	1.41
A.04	Tracciato - A.04	225.66	Tr200	CA366_SA	2.44	80.14	80.46	80.52	80.64	0.033379	1.88	1.30	7.51	1.45
A.04	Tracciato - A.04	225.66	Tr500	CA366_SA	3.02	80.14	80.49	80.56	80.69	0.032837	2.00	1.51	7.84	1.46
A.04	Tracciato - A.04	205.66	Tr050	CA366_SA	1.60	79.56	79.80	79.83	79.92	0.028952	1.58	1.01	6.87	1.31
A.04	Tracciato - A.04	205.66	Tr200	CA366_SA	2.44	79.56	79.84	79.89	80.01	0.029519	1.84	1.33	7.28	1.37
A.04	Tracciato - A.04	205.66	Tr500	CA366_SA	3.02	79.56	79.87	79.92	80.07	0.029837	1.98	1.53	7.53	1.40
A.04	Tracciato - A.04	190.33	Tr050	CA366_SA	1.60	78.71	78.88	78.95	79.13	0.113829	2.19	0.73	8.48	2.38
A.04	Tracciato - A.04	190.33	Tr200	CA366_SA	2.44	78.71	78.91	79.00	79.21	0.111317	2.42	1.01	9.97	2.42
A.04	Tracciato - A.04	190.33	Tr500	CA366_SA	3.02	78.71	78.93	79.02	79.26	0.109606	2.56	1.18	10.55	2.44
A.04	Tracciato - A.04	174.99	Tr050	CA366_SA	1.60	77.87	78.06	78.08	78.15	0.037516	1.37	1.17	11.91	1.40
A.04	Tracciato - A.04	174.99	Tr200	CA366_SA	2.44	77.87	78.09	78.13	78.21	0.039088	1.55	1.58	13.84	1.46
A.04	Tracciato - A.04	174.99	Tr500	CA366_SA	3.02	77.87	78.11	78.15	78.25	0.040320	1.65	1.83	14.91	1.51

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.04	Tracciato - A.04	159.65	Tr050	CA366_SA	1.60	77.02	77.17	77.22	77.32	0.083510	1.74	0.92	12.06	2.00
A.04	Tracciato - A.04	159.65	Tr200	CA366_SA	2.44	77.02	77.20	77.25	77.38	0.078912	1.89	1.29	14.30	2.00
A.04	Tracciato - A.04	159.65	Tr500	CA366_SA	3.02	77.02	77.21	77.27	77.41	0.076183	1.96	1.54	15.61	2.00
A.04	Tracciato - A.04	62.34	Tr050	CA366_SA	1.60	74.14	74.33	74.33	74.38	0.018854	1.01	1.58	15.26	1.00
A.04	Tracciato - A.04	62.34	Tr200	CA366_SA	2.44	74.14	74.37	74.37	74.43	0.018420	1.12	2.17	17.52	1.02
A.04	Tracciato - A.04	62.34	Tr500	CA366_SA	3.02	74.14	74.39	74.39	74.46	0.017468	1.14	2.65	20.16	1.00
A.04	Tracciato - A.04	48.86	Tr050	CA366_SA	1.60	73.31	73.44	73.52	73.77	0.190256	2.54	0.63	8.63	3.00
A.04	Tracciato - A.04	48.86	Tr200	CA366_SA	2.44	73.31	73.47	73.56	73.84	0.168228	2.70	0.90	10.25	2.91
A.04	Tracciato - A.04	48.86	Tr500	CA366_SA	3.02	73.31	73.48	73.58	73.89	0.163556	2.83	1.07	11.12	2.91
A.04	Tracciato - A.04	22.72	Tr050	CA366_SA	1.60	72.00	72.13	72.14	72.20	0.026971	1.20	1.34	13.10	1.19
A.04	Tracciato - A.04	22.72	Tr200	CA366_SA	2.44	72.00	72.16	72.18	72.26	0.028558	1.39	1.75	14.20	1.27
A.04	Tracciato - A.04	22.72	Tr500	CA366_SA	3.02	72.00	72.18	72.21	72.29	0.029173	1.50	2.01	14.85	1.30
A.04	Tracciato - A.04	1.05	Tr050	CA366_SA	1.60	70.07	70.16	70.26	70.70	0.375505	3.26	0.49	7.70	4.12
A.04	Tracciato - A.04	1.05	Tr200	CA366_SA	2.44	70.07	70.19	70.30	70.77	0.292841	3.39	0.72	8.83	3.79
A.04	Tracciato - A.04	1.05	Tr500	CA366_SA	3.02	70.07	70.20	70.32	70.82	0.263411	3.47	0.87	9.50	3.67
A.03.bis	A.03.bis	1469.75	Tr050	CA366_SA	1.72	66.61	67.35	67.25	67.44	0.006818	1.34	1.29	3.50	0.70
A.03.bis	A.03.bis	1469.75	Tr200	CA366_SA	3.06	66.61	67.49	67.41	67.63	0.008033	1.64	1.86	4.21	0.79
A.03.bis	A.03.bis	1469.75	Tr500	CA366_SA	4.10	66.61	67.58	67.51	67.75	0.008659	1.81	2.26	4.67	0.83
A.03.bis	A.03.bis	1450.82	Tr050	CA366_SA	1.72	66.61	67.24		67.31	0.006030	1.21	1.43	4.28	0.67
A.03.bis	A.03.bis	1450.82	Tr200	CA366_SA	3.06	66.61	67.35		67.47	0.008338	1.57	1.95	5.01	0.80
A.03.bis	A.03.bis	1450.82	Tr500	CA366_SA	4.10	66.61	67.41	67.37	67.58	0.009938	1.80	2.27	5.43	0.89
A.03.bis	A.03.bis	1430.82	Tr050	CA366_SA	1.72	66.61	67.02	67.02	67.12	0.015666	1.43	1.20	5.87	1.01
A.03.bis	A.03.bis	1430.82	Tr200	CA366_SA	3.06	66.61	67.12	67.12	67.26	0.014543	1.61	1.90	7.37	1.01
A.03.bis	A.03.bis	1430.82	Tr500	CA366_SA	4.10	66.61	67.19	67.19	67.34	0.013958	1.71	2.40	8.26	1.01
A.03.bis	A.03.bis	1410.82	Tr050	CA366_SA	1.72	66.39	66.73	66.71	66.80	0.011974	1.16	1.48	8.16	0.87
A.03.bis	A.03.bis	1410.82	Tr200	CA366_SA	3.06	66.39	66.86	66.80	66.93	0.007171	1.13	2.71	10.59	0.71
A.03.bis	A.03.bis	1410.82	Tr500	CA366_SA	4.10	66.39	66.95	66.85	67.01	0.005193	1.11	3.68	11.51	0.63
A.03.bis	A.03.bis	1390.84	Tr050	CA366_SA	1.72	65.89	66.38	66.38	66.53	0.014611	1.72	1.00	3.37	1.01
A.03.bis	A.03.bis	1390.84	Tr200	CA366_SA	3.06	65.89	66.53	66.53	66.72	0.013526	1.95	1.57	4.15	1.01
A.03.bis	A.03.bis	1390.84	Tr500	CA366_SA	4.10	65.89	66.63	66.63	66.84	0.012929	2.06	1.99	4.63	1.01
A.03.bis	A.03.bis	1370.85	Tr050	CA366_SA	1.72	65.82	66.34	66.14	66.36	0.001851	0.67	2.55	7.80	0.38
A.03.bis	A.03.bis	1370.85	Tr200	CA366_SA	3.06	65.82	66.46	66.24	66.50	0.002251	0.85	3.61	9.03	0.43
A.03.bis	A.03.bis	1370.85	Tr500	CA366_SA	4.10	65.82	66.54	66.31	66.58	0.002454	0.95	4.33	9.78	0.46
A.03.bis	A.03.bis	1350.85	Tr050	CA366_SA	1.72	65.82	66.26		66.30	0.004490	0.93	1.85	6.78	0.57
A.03.bis	A.03.bis	1350.85	Tr200	CA366_SA	3.06	65.82	66.35		66.42	0.006259	1.23	2.49	7.71	0.69
A.03.bis	A.03.bis	1350.85	Tr500	CA366_SA	4.10	65.82	66.39		66.50	0.007904	1.45	2.83	8.17	0.79
A.03.bis	A.03.bis	1330.85	Tr050	CA366_SA	1.72	65.82	66.26		66.27	0.000561	0.30	5.68	23.79	0.20
A.03.bis	A.03.bis	1330.85	Tr200	CA366_SA	3.06	65.82	66.37		66.37	0.000609	0.36	8.50	29.24	0.21
A.03.bis	A.03.bis	1330.85	Tr500	CA366_SA	4.10	65.82	66.43		66.43	0.000647	0.40	10.33	32.12	0.22
A.03.bis	A.03.bis	1310.85	Tr050	CA366_SA	1.72	65.82	66.24		66.25	0.001168	0.39	4.43	22.21	0.28
A.03.bis	A.03.bis	1310.85	Tr200	CA366_SA	3.06	65.82	66.35		66.36	0.001096	0.42	7.23	30.32	0.28
A.03.bis	A.03.bis	1310.85	Tr500	CA366_SA	4.10	65.82	66.41		66.42	0.001072	0.45	9.17	34.85	0.28
A.03.bis	A.03.bis	1290.86	Tr050	CA366_SA	1.72	65.54	66.23		66.23	0.000741	0.33	5.19	23.34	0.22
A.03.bis	A.03.bis	1290.86	Tr200	CA366_SA	3.06	65.54	66.33		66.34	0.000780	0.38	8.05	30.61	0.24
A.03.bis	A.03.bis	1290.86	Tr500	CA366_SA	4.10	65.54	66.39		66.40	0.000820	0.41	10.00	35.26	0.25
A.03.bis	A.03.bis	1270.86	Tr050	CA366_SA	1.72	65.57	66.21		66.21	0.001130	0.38	4.52	22.64	0.27
A.03.bis	A.03.bis	1270.86	Tr200	CA366_SA	3.06	65.57	66.31		66.32	0.001053	0.41	7.38	30.81	0.27
A.03.bis	A.03.bis	1270.86	Tr500	CA366_SA	4.10	65.57	66.37		66.38	0.001038	0.44	9.32	35.31	0.27
A.03.bis	A.03.bis	1250.87	Tr050	CA366_SA	1.72	65.62	66.17		66.18	0.001701	0.50	3.47	15.96	0.34
A.03.bis	A.03.bis	1250.87	Tr200	CA366_SA	3.06	65.62	66.28		66.29	0.001805	0.56	5.45	21.72	0.36
A.03.bis	A.03.bis	1250.87	Tr500	CA366_SA	4.10	65.62	66.33		66.35	0.001928	0.60	6.78	25.39	0.37
A.03.bis	A.03.bis	1230.91	Tr050	CA366_SA	1.72	65.62	66.01	66.01	66.10	0.015606	1.36	1.26	6.69	1.00
A.03.bis	A.03.bis	1230.91	Tr200	CA366_SA	3.06	65.62	66.11	66.11	66.20	0.016244	1.36	2.26	12.41	1.02
A.03.bis	A.03.bis	1230.91	Tr500	CA366_SA	4.10	65.62	66.16	66.16	66.26	0.016151	1.40	2.92	15.22	1.02
A.03.bis	A.03.bis	1210.91	Tr050	CA366_SA	1.72	65.11	65.48	65.53	65.66	0.031500	1.88	0.91	5.03	1.41
A.03.bis	A.03.bis	1210.91	Tr200	CA366_SA	3.06	65.11	65.58	65.64	65.78	0.027535	1.96	1.56	7.34	1.35
A.03.bis	A.03.bis	1210.91	Tr500	CA366_SA	4.10	65.11	65.64	65.70	65.85	0.025694	2.02	2.03	8.63	1.33
A.03.bis	A.03.bis	1190.92	Tr050	CA366_SA	1.72	65.11	65.38	65.35	65.42	0.009272	0.85	2.03	14.96	0.73
A.03.bis	A.03.bis	1190.92	Tr200	CA366_SA	3.06	65.11	65.42	65.41	65.49	0.013868	1.14	2.69	17.22	0.92
A.03.bis	A.03.bis	1190.92	Tr500	CA366_SA	4.10	65.11	65.46	65.45	65.53	0.014199	1.23	3.32	19.13	0.95
A.03.bis	A.03.bis	1170.92	Tr050	CA366_SA	1.72	64.91	65.24	65.20	65.26	0.006160	0.63	2.75	23.45	0.58
A.03.bis	A.03.bis	1170.92	Tr200	CA366_SA	3.06	64.91	65.31	65.24	65.33	0.004322	0.70	4.36	23.93	0.52
A.03.bis	A.03.bis	1170.92	Tr500	CA366_SA	4.10	64.91	65.34	65.27	65.37	0.004477	0.79	5.17	24.17	0.55
A.03.bis	A.03.bis	1150.93	Tr050	CA366_SA	1.72	64.63	64.98	64.98	65.07	0.016107	1.32	1.31	7.46	1.01
A.03.bis	A.03.bis	1150.93	Tr200	CA366_SA	3.06	64.63	65.07	65.07	65.18	0.014760	1.45	2.11	9.75	1.00
A.03.bis	A.03.bis	1150.93	Tr500	CA366_SA	4.10	64.63	65.17		65.24	0.011039	1.12	3.65	19.99	0.84
A.03.bis	A.03.bis	1130.95	Tr050	CA366_SA	1.72	64.30	64.76	64.70	64.82	0.007597	1.09	1.58	6.80	0.72
A.03.bis	A.03.bis	1130.95	Tr200	CA366_SA	3.06	64.30	64.86	64.81	64.95	0.008327	1.30	2.35	8.29	0.78
A.03.bis	A.03.bis	1130.95	Tr500	CA366_SA	4.10	64.30	64.94		65.03	0.009719	1.34	3.06	11.62	0.84

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.03.bis	A.03.bis	1110.96	Tr050	CA366_SA	1.72	64.27	64.65	64.57	64.69	0.005471	0.88	1.96	9.25	0.61
A.03.bis	A.03.bis	1110.96	Tr200	CA366_SA	3.06	64.27	64.73	64.66	64.79	0.006938	1.10	2.78	11.10	0.70
A.03.bis	A.03.bis	1110.96	Tr500	CA366_SA	4.10	64.27	64.77	64.71	64.85	0.007745	1.23	3.33	12.18	0.75
A.03.bis	A.03.bis	1090.97	Tr050	CA366_SA	1.72	64.14	64.43	64.43	64.50	0.017130	1.23	1.40	9.41	1.01
A.03.bis	A.03.bis	1090.97	Tr200	CA366_SA	3.06	64.14	64.52	64.50	64.60	0.013169	1.29	2.38	12.19	0.93
A.03.bis	A.03.bis	1090.97	Tr500	CA366_SA	4.10	64.14	64.57	64.55	64.66	0.011815	1.33	3.08	13.86	0.90
A.03.bis	A.03.bis	1070.97	Tr050	CA366_SA	1.72	63.99	64.36	64.23	64.37	0.002644	0.61	2.82	13.21	0.42
A.03.bis	A.03.bis	1070.97	Tr200	CA366_SA	3.06	63.99	64.44		64.47	0.003052	0.75	4.10	15.86	0.47
A.03.bis	A.03.bis	1070.97	Tr500	CA366_SA	4.10	63.99	64.50		64.53	0.003275	0.82	4.98	17.50	0.49
A.03.bis	A.03.bis	1050.97	Tr050	CA366_SA	1.72	63.99	64.32		64.33	0.001608	0.46	3.71	18.11	0.33
A.03.bis	A.03.bis	1050.97	Tr200	CA366_SA	3.06	63.99	64.41		64.42	0.001846	0.57	5.40	21.61	0.36
A.03.bis	A.03.bis	1050.97	Tr500	CA366_SA	4.10	63.99	64.46		64.48	0.001955	0.62	6.57	23.72	0.38
A.03.bis	A.03.bis	1030.98	Tr050	CA366_SA	1.72	63.99	64.24		64.27	0.006189	0.78	2.21	13.58	0.62
A.03.bis	A.03.bis	1030.98	Tr200	CA366_SA	3.06	63.99	64.30		64.35	0.007772	0.99	3.10	15.85	0.71
A.03.bis	A.03.bis	1030.98	Tr500	CA366_SA	4.10	63.99	64.34		64.40	0.008723	1.11	3.68	17.18	0.77
A.03.bis	A.03.bis	1010.98	Tr050	CA366_SA	1.72	63.99	64.11		64.13	0.007735	0.66	2.60	24.30	0.64
A.03.bis	A.03.bis	1010.98	Tr200	CA366_SA	3.06	63.99	64.15		64.19	0.008196	0.82	3.72	26.07	0.70
A.03.bis	A.03.bis	1010.98	Tr500	CA366_SA	4.10	63.99	64.18		64.23	0.008128	0.91	4.52	27.28	0.71
A.03.bis	A.03.bis	990.98	Tr050	CA366_SA	1.72	63.72	63.85	63.85	63.89	0.020017	0.95	1.81	20.11	1.01
A.03.bis	A.03.bis	990.98	Tr200	CA366_SA	3.06	63.72	63.89	63.89	63.95	0.018120	1.10	2.78	22.82	1.01
A.03.bis	A.03.bis	990.98	Tr500	CA366_SA	4.10	63.72	63.92	63.92	63.99	0.017264	1.19	3.46	24.56	1.01
A.03.bis	A.03.bis	970.98	Tr050	CA366_SA	1.72	62.93	63.19	63.24	63.34	0.038791	1.70	1.01	7.69	1.49
A.03.bis	A.03.bis	970.98	Tr200	CA366_SA	3.06	62.93	63.26	63.32	63.45	0.036209	1.90	1.61	9.80	1.50
A.03.bis	A.03.bis	970.98	Tr500	CA366_SA	4.10	62.93	63.30	63.36	63.51	0.034152	2.00	2.05	11.12	1.48
A.03.bis	A.03.bis	950.99	Tr050	CA366_SA	1.72	62.44	62.75	62.75	62.83	0.017007	1.26	1.36	8.72	1.02
A.03.bis	A.03.bis	950.99	Tr200	CA366_SA	3.06	62.44	62.82	62.83	62.93	0.017866	1.48	2.06	10.72	1.08
A.03.bis	A.03.bis	950.99	Tr500	CA366_SA	4.10	62.44	62.86	62.88	62.99	0.018578	1.62	2.54	11.94	1.12
A.03.bis	A.03.bis	930.99	Tr050	CA366_SA	1.72	61.43	61.81	61.94	62.21	0.062627	2.78	0.62	3.10	1.99
A.03.bis	A.03.bis	930.99	Tr200	CA366_SA	3.06	61.43	61.94	62.09	62.36	0.045826	2.86	1.07	4.05	1.78
A.03.bis	A.03.bis	930.99	Tr500	CA366_SA	4.10	61.43	62.03	62.17	62.44	0.040484	2.83	1.45	5.09	1.70
A.03.bis	A.03.bis	910.99	Tr050	CA366_SA	1.72	61.16	61.54	61.54	61.63	0.016682	1.31	1.31	7.80	1.02
A.03.bis	A.03.bis	910.99	Tr200	CA366_SA	3.06	61.16	61.62	61.63	61.74	0.017239	1.52	2.01	9.76	1.07
A.03.bis	A.03.bis	910.99	Tr500	CA366_SA	4.10	61.16	61.66	61.68	61.81	0.019929	1.73	2.38	10.64	1.17
A.03.bis	A.03.bis	890.99	Tr050	CA366_SA	1.72	60.31	60.62	60.73	60.98	0.079090	2.65	0.65	4.25	2.17
A.03.bis	A.03.bis	890.99	Tr200	CA366_SA	3.06	60.31	60.71	60.83	61.11	0.063867	2.83	1.08	5.49	2.04
A.03.bis	A.03.bis	890.99	Tr500	CA366_SA	4.10	60.31	60.77	60.90	61.18	0.052313	2.82	1.45	6.36	1.89
A.03.bis	A.03.bis	870.99	Tr050	CA366_SA	1.72	59.78	60.19	60.21	60.33	0.018936	1.64	1.05	4.77	1.12
A.03.bis	A.03.bis	870.99	Tr200	CA366_SA	3.06	59.78	60.32	60.33	60.48	0.015670	1.78	1.72	6.03	1.06
A.03.bis	A.03.bis	870.99	Tr500	CA366_SA	4.10	59.78	60.38	60.40	60.57	0.016369	1.95	2.11	6.64	1.10
A.03.bis	A.03.bis	850.99	Tr050	CA366_SA	1.72	58.27	58.52	58.69	59.36	0.221689	4.05	0.42	3.20	3.54
A.03.bis	A.03.bis	850.99	Tr200	CA366_SA	3.06	58.27	58.59	58.81	59.63	0.200965	4.51	0.68	4.04	3.51
A.03.bis	A.03.bis	850.99	Tr500	CA366_SA	4.10	58.27	58.64	58.88	59.72	0.174321	4.60	0.89	4.63	3.34
A.03.bis	A.03.bis	831	Tr050	CA366_SA	1.72	57.09	57.51	57.22	57.52	0.000299	0.31	5.59	14.18	0.16
A.03.bis	A.03.bis	831	Tr200	CA366_SA	3.06	57.09	57.68	57.27	57.68	0.000317	0.39	7.94	14.95	0.17
A.03.bis	A.03.bis	831	Tr500	CA366_SA	4.10	57.09	57.77	57.31	57.78	0.000337	0.44	9.42	15.41	0.18
A.03.bis	A.03.bis	811.01	Tr050	CA366_SA	1.72	56.87	57.37	57.37	57.49	0.014496	1.56	1.10	4.46	1.00
A.03.bis	A.03.bis	811.01	Tr200	CA366_SA	3.06	56.87	57.49	57.49	57.65	0.013345	1.74	1.75	5.62	1.00
A.03.bis	A.03.bis	811.01	Tr500	CA366_SA	4.10	56.87	57.57	57.57	57.75	0.012859	1.85	2.22	6.31	1.00
A.03.bis	A.03.bis	791.01	Tr050	CA366_SA	1.72	55.45	55.59	55.72	56.53	0.629228	4.30	0.40	6.09	5.35
A.03.bis	A.03.bis	791.01	Tr200	CA366_SA	3.06	55.45	55.63	55.81	56.76	0.533775	4.70	0.65	7.64	5.15
A.03.bis	A.03.bis	791.01	Tr500	CA366_SA	4.10	55.45	55.65	55.84	56.88	0.459517	4.92	0.83	8.19	4.92
A.03.bis	A.03.bis	771	Tr050	CA366_SA	1.72	55.08	55.40	55.37	55.45	0.010598	1.00	1.73	11.04	0.80
A.03.bis	A.03.bis	771	Tr200	CA366_SA	3.06	55.08	55.41	55.44	55.54	0.024164	1.57	1.95	11.75	1.23
A.03.bis	A.03.bis	771	Tr500	CA366_SA	4.10	55.08	55.50	55.49	55.59	0.013026	1.33	3.07	14.75	0.93
A.03.bis	A.03.bis	751	Tr050	CA366_SA	1.72	54.92	55.11	55.11	55.17	0.018187	1.10	1.56	12.88	1.01
A.03.bis	A.03.bis	751	Tr200	CA366_SA	3.06	54.92	55.17	55.17	55.25	0.016716	1.25	2.45	15.65	1.01
A.03.bis	A.03.bis	751	Tr500	CA366_SA	4.10	54.92	55.21	55.21	55.30	0.016040	1.33	3.08	17.36	1.01
A.03.bis	A.03.bis	731	Tr050	CA366_SA	1.72	53.57	53.83	53.95	54.33	0.147106	3.15	0.55	4.43	2.87
A.03.bis	A.03.bis	731	Tr200	CA366_SA	3.06	53.57	53.90	54.05	54.49	0.119045	3.43	0.89	5.46	2.70
A.03.bis	A.03.bis	731	Tr500	CA366_SA	4.10	53.57	53.94	54.11	54.58	0.105915	3.55	1.16	6.14	2.61
A.03.bis	A.03.bis	711.01	Tr050	CA366_SA	1.72	53.19	53.95	53.68	53.97	0.001237	0.58	2.98	8.47	0.31
A.03.bis	A.03.bis	711.01	Tr200	CA366_SA	3.06	53.19	54.14	53.80	54.16	0.001154	0.65	4.73	10.74	0.31
A.03.bis	A.03.bis	711.01	Tr500	CA366_SA	4.10	53.19	54.24	53.87	54.27	0.001111	0.69	5.97	12.07	0.31
A.03.bis	A.03.bis	691.01	Tr050	CA366_SA	1.72	53.19	53.75	53.75	53.90	0.014839	1.70	1.01	3.53	1.01
A.03.bis	A.03.bis	691.01	Tr200	CA366_SA	3.06	53.19	53.90	53.90	54.09	0.013755	1.91	1.60	4.44	1.01
A.03.bis	A.03.bis	691.01	Tr500	CA366_SA	4.10	53.19	53.99	53.99	54.20	0.012826	2.00	2.05	5.02	1.00
A.03.bis	A.03.bis	671.02	Tr050	CA366_SA	1.72	52.99	53.59	53.26	53.60	0.000608	0.42	4.13	11.36	0.22
A.03.bis	A.03.bis	671.02	Tr200	CA366_SA	3.06	52.99	53.75	53.36	53.76	0.000668	0.50	6.13	13.78	0.24
A.03.bis	A.03.bis	671.02	Tr500	CA366_SA	4.10	52.99	53.84	53.42	53.86	0.000696	0.55	7.51	15.23	0.25

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.03.bis	A.03.bis	651.02	Tr050	CA366_SA	1.72	52.99	53.57		53.58	0.000719	0.43	3.96	11.58	0.24
A.03.bis	A.03.bis	651.02	Tr200	CA366_SA	3.06	52.99	53.73		53.74	0.000749	0.51	6.01	14.30	0.25
A.03.bis	A.03.bis	651.02	Tr500	CA366_SA	4.10	52.99	53.83		53.84	0.000759	0.55	7.45	15.93	0.26
A.03.bis	A.03.bis	631.02	Tr050	CA366_SA	1.72	52.92	53.41	53.41	53.53	0.015008	1.57	1.10	4.52	1.01
A.03.bis	A.03.bis	631.02	Tr200	CA366_SA	3.06	52.92	53.53	53.53	53.69	0.013864	1.76	1.74	5.69	1.01
A.03.bis	A.03.bis	631.02	Tr500	CA366_SA	4.10	52.92	53.61	53.61	53.79	0.013363	1.86	2.20	6.39	1.01
A.03.bis	A.03.bis	611.02	Tr050	CA366_SA	1.72	52.81	53.37	53.20	53.39	0.002162	0.62	2.77	10.82	0.39
A.03.bis	A.03.bis	611.02	Tr200	CA366_SA	3.06	52.81	53.50	53.29	53.52	0.002043	0.70	4.36	13.63	0.40
A.03.bis	A.03.bis	611.02	Tr500	CA366_SA	4.10	52.81	53.57	53.35	53.60	0.002001	0.75	5.45	15.10	0.40
A.03.bis	A.03.bis	591.02	Tr050	CA366_SA	1.72	52.65	53.17	53.17	53.29	0.015389	1.50	1.14	5.10	1.01
A.03.bis	A.03.bis	591.02	Tr200	CA366_SA	3.06	52.65	53.29	53.29	53.42	0.014657	1.63	1.88	7.19	1.02
A.03.bis	A.03.bis	591.02	Tr500	CA366_SA	4.10	52.65	53.36	53.36	53.51	0.014206	1.71	2.40	8.36	1.02
A.03.bis	A.03.bis	571.02	Tr050	CA366_SA	1.72	51.95	52.11	52.22	52.55	0.148001	2.95	0.58	5.28	2.83
A.03.bis	A.03.bis	571.02	Tr200	CA366_SA	3.06	51.95	52.16	52.31	52.73	0.126392	3.33	0.92	6.15	2.75
A.03.bis	A.03.bis	571.02	Tr500	CA366_SA	4.10	51.95	52.20	52.37	52.84	0.116903	3.53	1.16	6.70	2.71
A.03.bis	A.03.bis	551.02	Tr050	CA366_SA	1.72	51.71	52.01	52.01	52.08	0.017603	1.18	1.45	10.48	1.01
A.03.bis	A.03.bis	551.02	Tr200	CA366_SA	3.06	51.71	52.08	52.08	52.17	0.016115	1.36	2.24	12.21	1.02
A.03.bis	A.03.bis	551.02	Tr500	CA366_SA	4.10	51.71	52.12	52.12	52.23	0.015370	1.46	2.81	13.30	1.02
A.03.bis	A.03.bis	531.03	Tr050	CA366_SA	1.72	51.23	51.83	51.66	51.86	0.002812	0.76	2.25	7.81	0.45
A.03.bis	A.03.bis	531.03	Tr200	CA366_SA	3.06	51.23	51.96	51.78	52.00	0.002986	0.90	3.40	9.67	0.48
A.03.bis	A.03.bis	531.03	Tr500	CA366_SA	4.10	51.23	52.04	51.84	52.08	0.003100	0.98	4.20	10.87	0.50
A.03.bis	A.03.bis	511.03	Tr050	CA366_SA	1.72	51.20	51.63	51.63	51.74	0.015470	1.47	1.17	5.49	1.01
A.03.bis	A.03.bis	511.03	Tr200	CA366_SA	3.06	51.20	51.74	51.74	51.88	0.014289	1.65	1.86	6.91	1.01
A.03.bis	A.03.bis	511.03	Tr500	CA366_SA	4.10	51.20	51.81	51.81	51.96	0.013571	1.73	2.37	7.88	1.01
A.03.bis	A.03.bis	491.03	Tr050	CA366_SA	1.72	50.65	51.00	51.07	51.24	0.044176	2.16	0.80	4.57	1.65
A.03.bis	A.03.bis	491.03	Tr200	CA366_SA	3.06	50.65	51.08	51.18	51.40	0.043600	2.48	1.23	5.69	1.70
A.03.bis	A.03.bis	491.03	Tr500	CA366_SA	4.10	50.65	51.14	51.25	51.50	0.043148	2.66	1.54	6.36	1.72
A.03.bis	A.03.bis	471.03	Tr050	CA366_SA	1.72	49.05	49.47	49.63	50.03	0.082054	3.32	0.52	2.38	2.27
A.03.bis	A.03.bis	471.03	Tr200	CA366_SA	3.06	49.05	49.59	49.79	50.26	0.071321	3.64	0.84	3.01	2.20
A.03.bis	A.03.bis	471.03	Tr500	CA366_SA	4.10	49.05	49.66	49.89	50.40	0.066164	3.81	1.08	3.40	2.17
A.03.bis	A.03.bis	451.03	Tr050	CA366_SA	1.72	48.13	48.60	48.69	48.89	0.037018	2.37	0.73	3.09	1.56
A.03.bis	A.03.bis	451.03	Tr200	CA366_SA	3.06	48.13	48.70	48.83	49.12	0.041198	2.87	1.07	3.69	1.70
A.03.bis	A.03.bis	451.03	Tr500	CA366_SA	4.10	48.13	48.76	48.93	49.27	0.043534	3.16	1.30	4.04	1.78
A.03.bis	A.03.bis	431.03	Tr050	CA366_SA	1.72	47.95	48.17	48.18	48.28	0.021367	1.51	1.14	6.51	1.16
A.03.bis	A.03.bis	431.03	Tr200	CA366_SA	3.06	47.95	48.23	48.28	48.42	0.024600	1.95	1.57	6.82	1.30
A.03.bis	A.03.bis	431.03	Tr500	CA366_SA	4.10	47.95	48.27	48.34	48.52	0.026435	2.21	1.86	7.02	1.37
A.03.bis	A.03.bis	411.03	Tr050	CA366_SA	1.72	46.83	47.20	47.32	47.57	0.064089	2.69	0.64	3.45	1.99
A.03.bis	A.03.bis	411.03	Tr200	CA366_SA	3.06	46.83	47.31	47.44	47.72	0.050534	2.84	1.08	4.48	1.85
A.03.bis	A.03.bis	411.03	Tr500	CA366_SA	4.10	46.83	47.38	47.52	47.82	0.045785	2.94	1.39	5.09	1.80
A.03.bis	A.03.bis	391.03	Tr050	CA366_SA	1.72	46.26	46.96	46.78	47.00	0.003041	0.89	1.94	5.60	0.48
A.03.bis	A.03.bis	391.03	Tr200	CA366_SA	3.06	46.26	47.11	46.92	47.17	0.003415	1.07	2.87	6.83	0.53
A.03.bis	A.03.bis	391.03	Tr500	CA366_SA	4.10	46.26	47.20	47.00	47.27	0.003603	1.17	3.50	7.56	0.55
A.03.bis	A.03.bis	371.03	Tr050	CA366_SA	1.72	46.26	46.75	46.75	46.88	0.015067	1.57	1.09	4.45	1.01
A.03.bis	A.03.bis	371.03	Tr200	CA366_SA	3.06	46.26	46.88	46.88	47.04	0.013943	1.77	1.73	5.61	1.01
A.03.bis	A.03.bis	371.03	Tr500	CA366_SA	4.10	46.26	46.95	46.95	47.13	0.013419	1.87	2.19	6.30	1.01
A.03.bis	A.03.bis	351.03	Tr050	CA366_SA	1.72	45.01	45.28	45.45	46.06	0.206643	3.93	0.44	3.27	3.43
A.03.bis	A.03.bis	351.03	Tr200	CA366_SA	3.06	45.01	45.35	45.56	46.28	0.175637	4.27	0.72	4.18	3.29
A.03.bis	A.03.bis	351.03	Tr500	CA366_SA	4.10	45.01	45.40	45.63	46.40	0.160577	4.44	0.92	4.75	3.21
A.03.bis	A.03.bis	331.03	Tr050	CA366_SA	1.72	44.60	45.02	45.02	45.11	0.016834	1.31	1.31	7.84	1.02
A.03.bis	A.03.bis	331.03	Tr200	CA366_SA	3.06	44.60	45.10	45.11	45.22	0.017910	1.52	2.01	10.03	1.08
A.03.bis	A.03.bis	331.03	Tr500	CA366_SA	4.10	44.60	45.14	45.16	45.28	0.019692	1.69	2.43	11.15	1.15
A.03.bis	A.03.bis	311.03	Tr050	CA366_SA	1.72	43.05	43.29	43.46	44.17	0.264286	4.15	0.41	3.43	3.81
A.03.bis	A.03.bis	311.03	Tr200	CA366_SA	3.06	43.05	43.37	43.57	44.29	0.193118	4.26	0.72	4.52	3.41
A.03.bis	A.03.bis	311.03	Tr500	CA366_SA	4.10	43.05	43.42	43.62	44.34	0.163364	4.25	0.97	5.38	3.20
A.03.bis	A.03.bis	291.03	Tr050	CA366_SA	1.72	42.36	42.61	42.63	42.71	0.026631	1.38	1.25	9.80	1.23
A.03.bis	A.03.bis	291.03	Tr200	CA366_SA	3.06	42.36	42.67	42.71	42.81	0.030464	1.67	1.83	11.85	1.36
A.03.bis	A.03.bis	291.03	Tr500	CA366_SA	4.10	42.36	42.70	42.75	42.87	0.032457	1.84	2.22	13.06	1.43
A.03.bis	A.03.bis	271.03	Tr050	CA366_SA	1.72	40.89	41.04	41.16	41.54	0.191052	3.12	0.55	5.54	3.16
A.03.bis	A.03.bis	271.03	Tr200	CA366_SA	3.06	40.89	41.11	41.24	41.62	0.146501	3.18	0.96	7.72	2.87
A.03.bis	A.03.bis	271.03	Tr500	CA366_SA	4.10	40.89	41.14	41.28	41.67	0.132440	3.22	1.27	9.28	2.77
A.03.bis	A.03.bis	251.04	Tr050	CA366_SA	1.72	39.53	39.97	40.06	40.20	0.031094	2.11	0.82	3.71	1.43
A.03.bis	A.03.bis	251.04	Tr200	CA366_SA	3.06	39.53	40.10	40.17	40.29	0.033825	1.92	1.60	9.00	1.45
A.03.bis	A.03.bis	251.04	Tr500	CA366_SA	4.10	39.53	40.16	40.21	40.32	0.035786	1.78	2.31	15.29	1.46
A.03.bis	A.03.bis	235.23	Tr050	CA366_SA	1.72	38.72	39.00	39.10	39.36	0.104150	2.67	0.64	5.17	2.42
A.03.bis	A.03.bis	235.23	Tr200	CA366_SA	3.06	38.72	39.07	39.19	39.48	0.080283	2.83	1.08	6.54	2.22
A.03.bis	A.03.bis	235.23	Tr500	CA366_SA	4.10	38.72	39.12	39.25	39.54	0.067267	2.86	1.43	7.45	2.09
A.03.bis	A.03.bis	224.13	Tr050	CA366_SA	1.72	38.34	38.82	38.66	38.84	0.002235	0.64	2.69	10.36	0.40
A.03.bis	A.03.bis	224.13	Tr200	CA366_SA	3.06	38.34	38.88	38.75	38.92	0.003758	0.89	3.42	11.74	0.53
A.03.bis	A.03.bis	224.13	Tr500	CA366_SA	4.10	38.34	38.92	38.81	38.98	0.004790	1.05	3.89	12.55	0.60

HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.03.bis	A.03.bis	211.04	Tr050	CA366_SA	1.72	38.06	38.83		38.83	0.000120	0.20	8.76	22.17	0.10
A.03.bis	A.03.bis	211.04	Tr200	CA366_SA	3.06	38.06	38.90		38.91	0.000235	0.29	10.48	24.26	0.14
A.03.bis	A.03.bis	211.04	Tr500	CA366_SA	4.10	38.06	38.95		38.95	0.000321	0.35	11.62	25.54	0.17
A.03.bis	A.03.bis	200.13	Tr050	CA366_SA	1.72	38.06	38.83		38.83	0.000075	0.16	10.81	26.41	0.08
A.03.bis	A.03.bis	200.13	Tr200	CA366_SA	3.06	38.06	38.90		38.90	0.000147	0.24	12.82	28.16	0.11
A.03.bis	A.03.bis	200.13	Tr500	CA366_SA	4.10	38.06	38.95		38.95	0.000201	0.29	14.13	29.24	0.13
A.03.bis	A.03.bis	191.04	Tr050	CA366_SA	1.72	38.21	38.82		38.83	0.000373	0.24	7.03	29.99	0.16
A.03.bis	A.03.bis	191.04	Tr200	CA366_SA	3.06	38.21	38.90		38.90	0.000529	0.33	9.30	33.03	0.20
A.03.bis	A.03.bis	191.04	Tr500	CA366_SA	4.10	38.21	38.94		38.95	0.000621	0.38	10.80	34.90	0.22
A.03.bis	A.03.bis	171.04	Tr050	CA366_SA	1.72	38.51	38.80		38.81	0.001852	0.39	4.39	30.67	0.33
A.03.bis	A.03.bis	171.04	Tr200	CA366_SA	3.06	38.51	38.87		38.88	0.001656	0.47	6.51	31.85	0.33
A.03.bis	A.03.bis	171.04	Tr500	CA366_SA	4.10	38.51	38.91		38.93	0.001645	0.52	7.84	32.58	0.34
A.03.bis	A.03.bis	151.05	Tr050	CA366_SA	1.72	38.44	38.69		38.73	0.010749	0.86	1.99	15.86	0.78
A.03.bis	A.03.bis	151.05	Tr200	CA366_SA	3.06	38.44	38.73	38.73	38.80	0.016118	1.17	2.62	18.08	0.98
A.03.bis	A.03.bis	151.05	Tr500	CA366_SA	4.10	38.44	38.77	38.76	38.85	0.014403	1.23	3.34	19.56	0.95
A.03.bis	A.03.bis	131.05	Tr050	CA366_SA	1.72	38.04	38.38	38.38	38.47	0.016434	1.31	1.31	7.63	1.01
A.03.bis	A.03.bis	131.05	Tr200	CA366_SA	3.06	38.04	38.53		38.60	0.007013	1.10	2.77	11.10	0.71
A.03.bis	A.03.bis	131.05	Tr500	CA366_SA	4.10	38.04	38.64		38.69	0.004430	1.00	4.10	13.50	0.58
A.03.bis	A.03.bis	111.05	Tr050	CA366_SA	1.72	37.58	38.22	38.10	38.28	0.005240	1.13	1.52	4.42	0.62
A.03.bis	A.03.bis	111.05	Tr200	CA366_SA	3.06	37.58	38.30		38.43	0.008599	1.60	1.91	4.81	0.81
A.03.bis	A.03.bis	111.05	Tr500	CA366_SA	4.10	37.58	38.33	38.32	38.54	0.013036	2.02	2.03	4.92	1.00
A.03.bis	A.03.bis	91.06	Tr050	CA366_SA	1.72	37.58	38.22		38.23	0.000959	0.41	4.24	17.06	0.26
A.03.bis	A.03.bis	91.06	Tr200	CA366_SA	3.06	37.58	38.34		38.36	0.000892	0.46	6.60	20.67	0.26
A.03.bis	A.03.bis	91.06	Tr500	CA366_SA	4.10	37.58	38.42		38.43	0.000889	0.50	8.19	22.78	0.27
A.03.bis	A.03.bis	71.06	Tr050	CA366_SA	1.72	37.58	38.16		38.19	0.003747	0.79	2.17	8.90	0.51
A.03.bis	A.03.bis	71.06	Tr200	CA366_SA	3.06	37.58	38.28		38.32	0.003845	0.90	3.42	11.88	0.53
A.03.bis	A.03.bis	71.06	Tr500	CA366_SA	4.10	37.58	38.35		38.39	0.003857	0.96	4.29	13.58	0.54
A.03.bis	A.03.bis	51.06	Tr050	CA366_SA	1.72	37.58	38.11		38.13	0.002455	0.69	2.50	9.27	0.42
A.03.bis	A.03.bis	51.06	Tr200	CA366_SA	3.06	37.58	38.22		38.25	0.002836	0.84	3.65	11.14	0.47
A.03.bis	A.03.bis	51.06	Tr500	CA366_SA	4.10	37.58	38.28		38.33	0.002995	0.93	4.40	11.93	0.49
A.03.bis	A.03.bis	31.06	Tr050	CA366_SA	1.72	37.58	37.93	37.93	38.02	0.016210	1.32	1.31	7.54	1.01
A.03.bis	A.03.bis	31.06	Tr200	CA366_SA	3.06	37.58	38.02	38.02	38.13	0.015281	1.49	2.05	9.37	1.02
A.03.bis	A.03.bis	31.06	Tr500	CA366_SA	4.10	37.58	38.07	38.07	38.20	0.014506	1.60	2.56	10.08	1.02
A.03.bis	A.03.bis	11.06	Tr050	CA366_SA	1.72	36.65	36.85	36.96	37.27	0.141114	2.85	0.60	5.51	2.75
A.03.bis	A.03.bis	11.06	Tr200	CA366_SA	3.06	36.65	36.91	37.05	37.44	0.114976	3.21	0.95	6.25	2.62
A.03.bis	A.03.bis	11.06	Tr500	CA366_SA	4.10	36.65	36.95	37.11	37.54	0.104779	3.41	1.20	6.72	2.57
A.03.bis	A.03.bis	1	Tr050	CA366_SA	1.72	35.92	36.40	36.47	36.68	0.028308	2.37	0.72	2.34	1.36
A.03.bis	A.03.bis	1	Tr200	CA366_SA	3.06	35.92	36.57	36.66	36.92	0.024778	2.63	1.16	2.86	1.32
A.03.bis	A.03.bis	1	Tr500	CA366_SA	4.10	35.92	36.68	36.77	37.06	0.022343	2.73	1.50	3.21	1.28
A.03.3	A.03.3	171.39	Tr050	CA366_SA	0.13	82.76	83.22	83.25	83.33	0.089059	1.47	0.09	1.53	1.96
A.03.3	A.03.3	171.39	Tr200	CA366_SA	0.24	82.76	83.25	83.29	83.39	0.089011	1.71	0.14	1.93	2.03
A.03.3	A.03.3	171.39	Tr500	CA366_SA	0.31	82.76	83.26	83.31	83.43	0.089031	1.83	0.17	2.12	2.07
A.03.3	A.03.3	152.4	Tr050	CA366_SA	0.13	81.04	81.11	81.13	81.20	0.143805	1.39	0.09	2.57	2.32
A.03.3	A.03.3	152.4	Tr200	CA366_SA	0.24	81.04	81.12	81.16	81.26	0.145468	1.65	0.15	3.09	2.44
A.03.3	A.03.3	152.4	Tr500	CA366_SA	0.31	81.04	81.13	81.18	81.29	0.146207	1.77	0.17	3.36	2.48
A.03.3	A.03.3	132.49	Tr050	CA366_SA	0.13	79.26	79.30	79.31	79.33	0.065238	0.74	0.18	6.97	1.47
A.03.3	A.03.3	132.49	Tr200	CA366_SA	0.24	79.26	79.32	79.33	79.35	0.066159	0.86	0.28	8.69	1.54
A.03.3	A.03.3	132.49	Tr500	CA366_SA	0.31	79.26	79.32	79.34	79.37	0.066765	0.92	0.34	9.65	1.57
A.03.3	A.03.3	112.49	Tr050	CA366_SA	0.13	77.43	77.48	77.49	77.53	0.131531	1.01	0.13	5.28	2.08
A.03.3	A.03.3	112.49	Tr200	CA366_SA	0.24	77.43	77.49	77.51	77.56	0.128411	1.15	0.21	6.96	2.13
A.03.3	A.03.3	112.49	Tr500	CA366_SA	0.31	77.43	77.50	77.52	77.58	0.125716	1.23	0.25	7.45	2.14
A.03.3	A.03.3	92.51	Tr050	CA366_SA	0.13	75.68	75.72	75.73	75.75	0.064048	0.73	0.18	7.02	1.46
A.03.3	A.03.3	92.51	Tr200	CA366_SA	0.24	75.68	75.73	75.74	75.77	0.065290	0.88	0.27	8.14	1.54
A.03.3	A.03.3	92.51	Tr500	CA366_SA	0.31	75.68	75.74	75.75	75.79	0.066412	0.96	0.32	8.59	1.59
A.03.3	A.03.3	72.51	Tr050	CA366_SA	0.13	73.93	73.97	73.98	74.01	0.124969	0.86	0.15	7.68	1.96
A.03.3	A.03.3	72.51	Tr200	CA366_SA	0.24	73.93	73.98	74.00	74.03	0.122294	0.99	0.24	9.71	2.01
A.03.3	A.03.3	72.51	Tr500	CA366_SA	0.31	73.93	73.98	74.00	74.04	0.120040	1.05	0.29	10.73	2.03
A.03.3	A.03.3	52.51	Tr050	CA366_SA	0.13	72.55	72.59	72.60	72.61	0.044202	0.63	0.21	7.55	1.23
A.03.3	A.03.3	52.51	Tr200	CA366_SA	0.24	72.55	72.60	72.61	72.63	0.044812	0.77	0.31	8.73	1.29
A.03.3	A.03.3	52.51	Tr500	CA366_SA	0.31	72.55	72.61	72.62	72.65	0.045285	0.82	0.38	9.65	1.32
A.03.3	A.03.3	32.51	Tr050	CA366_SA	0.13	71.06	71.09	71.10	71.13	0.149005	0.90	0.14	7.73	2.12
A.03.3	A.03.3	32.51	Tr200	CA366_SA	0.24	71.06	71.09	71.11	71.16	0.143055	1.10	0.22	8.42	2.19
A.03.3	A.03.3	32.51	Tr500	CA366_SA	0.31	71.06	71.10	71.12	71.17	0.139249	1.19	0.26	8.80	2.21
A.03.3	A.03.3	12.6	Tr050	CA366_SA	0.13	69.80	69.86	69.86	69.87	0.034228	0.48	0.27	12.67	1.04
A.03.3	A.03.3	12.6	Tr200	CA366_SA	0.24	69.80	69.87	69.87	69.89	0.035366	0.54	0.44	17.34	1.09
A.03.3	A.03.3	12.6	Tr500	CA366_SA	0.31	69.80	69.88	69.88	69.89	0.036069	0.58	0.54	19.46	1.11
A.03.3	A.03.3	1	Tr050	CA366_SA	0.13	69.27	69.31	69.31	69.33	0.068066	0.60	0.22	11.80	1.43
A.03.3	A.03.3	1	Tr200	CA366_SA	0.24	69.27	69.32	69.33	69.35	0.064187	0.72	0.33	13.40	1.46
A.03.3	A.03.3	1	Tr500	CA366_SA	0.31	69.27	69.32	69.34	69.35	0.062585	0.77	0.40	14.23	1.47

HEC-RAS (Continued)


River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.03.1	A.03.1	152	Tr050	CA366_SA	0.06	69.83	69.86	69.87	69.87	0.054026	0.54	0.11	6.04	1.27
A.03.1	A.03.1	152	Tr200	CA366_SA	0.14	69.83	69.87	69.88	69.90	0.054012	0.70	0.20	7.40	1.36
A.03.1	A.03.1	152	Tr500	CA366_SA	0.19	69.83	69.88	69.89	69.91	0.054028	0.76	0.25	8.04	1.39
A.03.1	A.03.1	133	Tr050	CA366_SA	0.06	68.02	68.09	68.07	68.10	0.004974	0.29	0.21	4.75	0.44
A.03.1	A.03.1	133	Tr200	CA366_SA	0.14	68.02	68.07	68.09	68.16	0.184445	1.35	0.10	3.60	2.53
A.03.1	A.03.1	133	Tr500	CA366_SA	0.19	68.02	68.08	68.11	68.18	0.180430	1.45	0.13	3.96	2.56
A.03.1	A.03.1	113.01	Tr050	CA366_SA	0.06	67.86	67.88	67.88	67.89	0.034198	0.41	0.15	8.64	1.00
A.03.1	A.03.1	113.01	Tr200	CA366_SA	0.14	67.86	67.89	67.89	67.91	0.034683	0.51	0.27	11.49	1.06
A.03.1	A.03.1	113.01	Tr500	CA366_SA	0.19	67.86	67.90	67.90	67.92	0.029192	0.52	0.36	13.01	1.00
A.03.1	A.03.1	93.03	Tr050	CA366_SA	0.06	66.55	66.57	66.58	66.60	0.161984	0.80	0.08	5.16	2.12
A.03.1	A.03.1	93.03	Tr200	CA366_SA	0.14	66.55	66.58	66.60	66.63	0.152236	1.00	0.14	6.61	2.19
A.03.1	A.03.1	93.03	Tr500	CA366_SA	0.19	66.55	66.58	66.61	66.66	0.215011	1.23	0.15	6.89	2.62
A.03.1	A.03.1	73.03	Tr050	CA366_SA	0.06	65.34	65.38	65.38	65.39	0.038668	0.44	0.14	7.74	1.07
A.03.1	A.03.1	73.03	Tr200	CA366_SA	0.14	65.34	65.39	65.39	65.41	0.032630	0.56	0.25	8.98	1.06
A.03.1	A.03.1	73.03	Tr500	CA366_SA	0.19	65.34	65.40	65.40	65.42	0.028625	0.59	0.32	9.31	1.03
A.03.1	A.03.1	53.03	Tr050	CA366_SA	0.06	64.00	64.02	64.04	64.06	0.137939	0.86	0.07	3.81	2.03
A.03.1	A.03.1	53.03	Tr200	CA366_SA	0.14	64.00	64.03	64.06	64.11	0.182024	1.23	0.11	4.51	2.46
A.03.1	A.03.1	53.03	Tr500	CA366_SA	0.19	64.00	64.04	64.07	64.15	0.235065	1.47	0.13	4.72	2.83
A.03.1	A.03.1	33.03	Tr050	CA366_SA	0.06	63.46	63.50	63.50	63.51	0.030100	0.49	0.12	4.91	1.00
A.03.1	A.03.1	33.03	Tr200	CA366_SA	0.14	63.46	63.52	63.52	63.54	0.025958	0.61	0.23	5.95	1.00
A.03.1	A.03.1	33.03	Tr500	CA366_SA	0.19	63.46	63.53	63.53	63.55	0.024756	0.66	0.29	6.45	1.00
A.03.1	A.03.1	13.04	Tr050	CA366_SA	0.06	62.52	62.56	62.58	62.60	0.076476	0.85	0.07	2.54	1.62
A.03.1	A.03.1	13.04	Tr200	CA366_SA	0.14	62.52	62.58	62.60	62.65	0.091390	1.17	0.12	3.04	1.88
A.03.1	A.03.1	13.04	Tr500	CA366_SA	0.19	62.52	62.59	62.62	62.68	0.095119	1.30	0.15	3.24	1.96
A.03.1	A.03.1	1	Tr050	CA366_SA	0.06	62.00	62.01	62.02	62.02	0.047001	0.43	0.14	9.37	1.14
A.03.1	A.03.1	1	Tr200	CA366_SA	0.14	62.00	62.03	62.03	62.04	0.030912	0.53	0.26	9.57	1.03
A.03.1	A.03.1	1	Tr500	CA366_SA	0.19	62.00	62.03	62.03	62.05	0.031132	0.60	0.32	9.65	1.06
A.02	Tracciato - A.02	186.43	Tr050	CA366_SA	0.20	66.05	66.10	66.11	66.13	0.050009	0.82	0.24	6.68	1.37
A.02	Tracciato - A.02	186.43	Tr200	CA366_SA	0.37	66.05	66.12	66.13	66.17	0.050011	1.00	0.37	7.59	1.44
A.02	Tracciato - A.02	186.43	Tr500	CA366_SA	0.50	66.05	66.13	66.14	66.19	0.050008	1.10	0.45	8.02	1.47
A.02	Tracciato - A.02	167.49	Tr050	CA366_SA	0.20	64.00	64.05	64.08	64.20	0.304956	1.73	0.12	4.02	3.25
A.02	Tracciato - A.02	167.49	Tr200	CA366_SA	0.37	64.00	64.06	64.11	64.28	0.279376	2.05	0.18	4.52	3.29
A.02	Tracciato - A.02	167.49	Tr500	CA366_SA	0.50	64.00	64.07	64.13	64.32	0.266520	2.22	0.23	4.86	3.29
A.02	Tracciato - A.02	147.48	Tr050	CA366_SA	0.20	62.98	63.04	63.04	63.06	0.022223	0.51	0.39	12.09	0.90
A.02	Tracciato - A.02	147.48	Tr200	CA366_SA	0.37	62.98	63.06	63.06	63.08	0.025219	0.65	0.57	13.00	1.00
A.02	Tracciato - A.02	147.48	Tr500	CA366_SA	0.50	62.98	63.07	63.07	63.09	0.024767	0.72	0.69	13.65	1.02
A.02	Tracciato - A.02	127.49	Tr050	CA366_SA	0.20	61.90	61.94	61.96	62.01	0.230163	1.22	0.16	7.79	2.68
A.02	Tracciato - A.02	127.49	Tr200	CA366_SA	0.37	61.90	61.95	61.98	62.04	0.158568	1.31	0.28	9.13	2.37
A.02	Tracciato - A.02	127.49	Tr500	CA366_SA	0.50	61.90	61.96	61.99	62.06	0.159120	1.44	0.35	9.78	2.43
A.02	Tracciato - A.02	107.5	Tr050	CA366_SA	0.20	60.75	60.82	60.82	60.85	0.025655	0.64	0.31	7.45	1.00
A.02	Tracciato - A.02	107.5	Tr200	CA366_SA	0.37	60.75	60.84	60.85	60.88	0.029379	0.83	0.45	8.03	1.13
A.02	Tracciato - A.02	107.5	Tr500	CA366_SA	0.50	60.75	60.85	60.86	60.90	0.029395	0.92	0.54	8.40	1.16
A.02	Tracciato - A.02	87.61	Tr050	CA366_SA	0.20	59.60	59.64	59.65	59.69	0.232411	1.01	0.20	12.64	2.57
A.02	Tracciato - A.02	87.61	Tr200	CA366_SA	0.37	59.60	59.65	59.67	59.70	0.174962	0.97	0.38	20.59	2.29
A.02	Tracciato - A.02	87.61	Tr500	CA366_SA	0.50	59.60	59.65	59.67	59.72	0.175921	1.10	0.46	20.73	2.36
A.02	Tracciato - A.02	67.61	Tr050	CA366_SA	0.20	57.94	57.98	57.99	58.01	0.042848	0.68	0.30	9.60	1.23
A.02	Tracciato - A.02	67.61	Tr200	CA366_SA	0.37	57.94	58.00	58.01	58.03	0.048496	0.85	0.44	11.12	1.37
A.02	Tracciato - A.02	67.61	Tr500	CA366_SA	0.50	57.94	58.00	58.02	58.05	0.048223	0.93	0.54	11.93	1.39
A.02	Tracciato - A.02	47.61	Tr050	CA366_SA	0.20	57.33	57.43	57.43	57.45	0.026609	0.65	0.31	7.35	1.02
A.02	Tracciato - A.02	47.61	Tr200	CA366_SA	0.37	57.33	57.45	57.45	57.47	0.025947	0.69	0.54	11.75	1.03
A.02	Tracciato - A.02	47.61	Tr500	CA366_SA	0.50	57.33	57.46	57.46	57.49	0.023887	0.73	0.69	12.94	1.01
A.02	Tracciato - A.02	27.61	Tr050	CA366_SA	0.20	55.82	55.87	55.91	56.06	0.445343	1.92	0.10	4.11	3.85
A.02	Tracciato - A.02	27.61	Tr200	CA366_SA	0.37	55.82	55.88	55.93	56.12	0.413440	2.17	0.17	5.30	3.86
A.02	Tracciato - A.02	27.61	Tr500	CA366_SA	0.50	55.82	55.89	55.94	56.19	0.461599	2.43	0.21	5.86	4.14
A.02	Tracciato - A.02	7.61	Tr050	CA366_SA	0.20	54.05	54.15	54.16	54.19	0.038126	0.89	0.23	4.47	1.26
A.02	Tracciato - A.02	7.61	Tr200	CA366_SA	0.37	54.05	54.17	54.19	54.23	0.039397	1.03	0.36	5.79	1.33
A.02	Tracciato - A.02	7.61	Tr500	CA366_SA	0.50	54.05	54.19	54.20	54.25	0.038933	1.11	0.45	6.43	1.35
A.01	Tracciato - A.01	758.85	Tr050	CA366_SA	0.71	50.88	51.04	51.05	51.10	0.035018	1.13	0.63	8.16	1.30
A.01	Tracciato - A.01	758.85	Tr200	CA366_SA	1.23	50.88	51.07	51.09	51.16	0.035026	1.29	0.95	10.05	1.34
A.01	Tracciato - A.01	758.85	Tr500	CA366_SA	1.62	50.88	51.09	51.12	51.19	0.035028	1.39	1.17	11.16	1.37
A.01	Tracciato - A.01	739.85	Tr050	CA366_SA	0.71	50.18	50.34	50.37	50.43	0.035454	1.29	0.55	5.86	1.35
A.01	Tracciato - A.01	739.85	Tr200	CA366_SA	1.23	50.18	50.39	50.42	50.50	0.033878	1.48	0.83	7.03	1.37
A.01	Tracciato - A.01	739.85	Tr500	CA366_SA	1.62	50.18	50.41	50.45	50.54	0.032978	1.57	1.03	7.74	1.38
A.01	Tracciato - A.01	719.85	Tr050	CA366_SA	0.71	50.00	50.06	50.06	50.09	0.022664	0.76	0.93	15.86	1.00
A.01	Tracciato - A.01	719.85	Tr200	CA366_SA	1.23	50.00	50.09	50.09	50.13	0.020253	0.90	1.37	16.67	1.00
A.01	Tracciato - A.01	719.85	Tr500	CA366_SA	1.62	50.00	50.11	50.11	50.16	0.019476	0.98	1.66	17.18	1.01
A.01	Tracciato - A.01	699.88	Tr050	CA366_SA	0.71	49.40	49.54	49.55	49.59	0.028317	0.95	0.75	10.66	1.15
A.01	Tracciato - A.01	699.88	Tr200	CA366_SA	1.23	49.40	49.57	49.58	49.63	0.030802	1.13	1.09	12.93	1.24
A.01	Tracciato - A.01	699.88	Tr500	CA366_SA	1.62	49.40	49.59	49.60	49.66	0.031885	1.22	1.33	14.26	1.28

HEC-RAS (Continued)

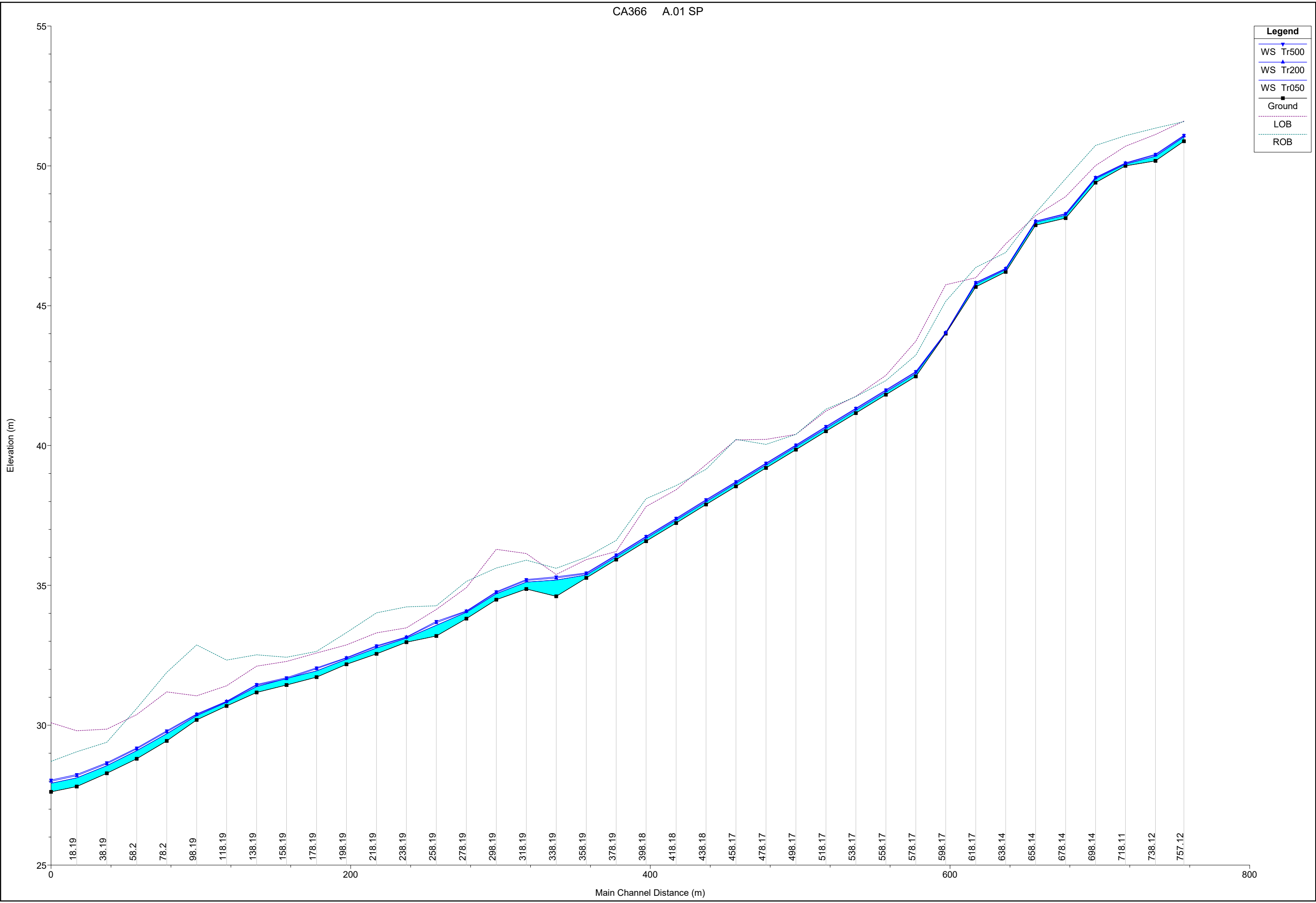
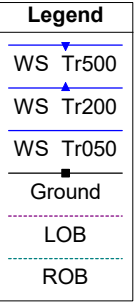
River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.01	Tracciato - A.01	679.88	Tr050	CA366_SA	0.71	48.13	48.24	48.30	48.46	0.151814	2.10	0.34	5.20	2.63
A.01	Tracciato - A.01	679.88	Tr200	CA366_SA	1.23	48.13	48.28	48.35	48.52	0.123259	2.19	0.56	6.91	2.46
A.01	Tracciato - A.01	679.88	Tr500	CA366_SA	1.62	48.13	48.30	48.37	48.56	0.112856	2.26	0.72	7.91	2.39
A.01	Tracciato - A.01	659.88	Tr050	CA366_SA	0.71	47.88	47.98	47.98	48.01	0.022661	0.75	0.95	16.59	0.99
A.01	Tracciato - A.01	659.88	Tr200	CA366_SA	1.23	47.88	48.01	48.01	48.04	0.024036	0.79	1.56	26.14	1.03
A.01	Tracciato - A.01	659.88	Tr500	CA366_SA	1.62	47.88	48.02	48.02	48.06	0.021940	0.85	1.91	26.74	1.02
A.01	Tracciato - A.01	639.88	Tr050	CA366_SA	0.71	46.21	46.29	46.37	46.76	0.442463	3.03	0.23	4.65	4.30
A.01	Tracciato - A.01	639.88	Tr200	CA366_SA	1.23	46.21	46.32	46.42	46.81	0.319067	3.10	0.40	5.93	3.83
A.01	Tracciato - A.01	639.88	Tr500	CA366_SA	1.62	46.21	46.34	46.44	46.90	0.320862	3.34	0.49	6.52	3.91
A.01	Tracciato - A.01	619.91	Tr050	CA366_SA	0.71	45.67	45.77	45.77	45.81	0.020742	0.86	0.82	10.84	1.00
A.01	Tracciato - A.01	619.91	Tr200	CA366_SA	1.23	45.67	45.81	45.81	45.85	0.020542	0.87	1.42	18.24	1.00
A.01	Tracciato - A.01	619.91	Tr500	CA366_SA	1.62	45.67	45.83	45.83	45.87	0.019486	0.94	1.73	19.19	0.99
A.01	Tracciato - A.01	599.91	Tr050	CA366_SA	0.71	44.00	44.02	44.08	44.47	1.240536	2.96	0.24	10.63	6.30
A.01	Tracciato - A.01	599.91	Tr200	CA366_SA	1.23	44.00	44.04	44.11	44.57	0.839233	3.25	0.38	10.94	5.57
A.01	Tracciato - A.01	599.91	Tr500	CA366_SA	1.62	44.00	44.04	44.13	44.66	0.749879	3.48	0.47	11.12	5.43
A.01	Tracciato - A.01	579.91	Tr050	CA366_SA	0.71	43.13	43.33	43.33	43.38	0.019137	1.03	0.69	6.45	1.01
A.01	Tracciato - A.01	579.91	Tr200	CA366_SA	1.23	43.13	43.38	43.38	43.45	0.017718	1.16	1.06	7.90	1.01
A.01	Tracciato - A.01	579.91	Tr500	CA366_SA	1.62	43.13	43.39	43.41	43.49	0.023146	1.38	1.18	8.30	1.17
A.01	Tracciato - A.01	559.91	Tr050	CA366_SA	0.71	42.32	42.44	42.49	42.60	0.113587	1.75	0.41	6.57	2.25
A.01	Tracciato - A.01	559.91	Tr200	CA366_SA	1.23	42.32	42.47	42.53	42.69	0.121890	2.08	0.59	7.87	2.41
A.01	Tracciato - A.01	559.91	Tr500	CA366_SA	1.62	42.32	42.50	42.56	42.69	0.082572	1.93	0.84	9.31	2.05
A.01	Tracciato - A.01	539.91	Tr050	CA366_SA	0.71	41.59	41.77	41.78	41.82	0.025790	1.05	0.68	7.75	1.14
A.01	Tracciato - A.01	539.91	Tr200	CA366_SA	1.23	41.59	41.83	41.83	41.88	0.019720	0.99	1.24	12.68	1.01
A.01	Tracciato - A.01	539.91	Tr500	CA366_SA	1.62	41.59	41.85	41.85	41.90	0.021038	1.06	1.53	14.86	1.06
A.01	Tracciato - A.01	519.91	Tr050	CA366_SA	0.71	41.12	41.28	41.29	41.34	0.023091	1.02	0.69	7.61	1.08
A.01	Tracciato - A.01	519.91	Tr200	CA366_SA	1.23	41.12	41.32	41.33	41.40	0.028946	1.28	0.96	8.92	1.25
A.01	Tracciato - A.01	519.91	Tr500	CA366_SA	1.62	41.12	41.34	41.36	41.43	0.026196	1.32	1.22	10.05	1.21
A.01	Tracciato - A.01	499.91	Tr050	CA366_SA	0.71	40.27	40.41	40.46	40.55	0.079068	1.64	0.43	5.92	1.93
A.01	Tracciato - A.01	499.91	Tr200	CA366_SA	1.23	40.27	40.46	40.50	40.60	0.057854	1.65	0.74	7.93	1.72
A.01	Tracciato - A.01	499.91	Tr500	CA366_SA	1.62	40.27	40.47	40.53	40.65	0.063808	1.83	0.88	8.69	1.84
A.01	Tracciato - A.01	479.91	Tr050	CA366_SA	0.71	39.91	40.16	40.09	40.17	0.004124	0.55	1.29	9.83	0.49
A.01	Tracciato - A.01	479.91	Tr200	CA366_SA	1.23	39.91	40.23	40.14	40.24	0.003713	0.61	2.02	12.28	0.48
A.01	Tracciato - A.01	479.91	Tr500	CA366_SA	1.62	39.91	40.27	40.17	40.29	0.003353	0.63	2.58	13.87	0.47
A.01	Tracciato - A.01	459.91	Tr050	CA366_SA	0.71	39.70	39.95	39.95	40.02	0.017453	1.18	0.60	4.31	1.01
A.01	Tracciato - A.01	459.91	Tr200	CA366_SA	1.23	39.70	40.02	40.02	40.10	0.015977	1.31	0.94	5.35	1.00
A.01	Tracciato - A.01	459.91	Tr500	CA366_SA	1.62	39.70	40.06	40.06	40.15	0.015675	1.40	1.16	5.94	1.01
A.01	Tracciato - A.01	439.91	Tr050	CA366_SA	0.71	39.09	39.19	39.23	39.31	0.103289	1.53	0.46	8.61	2.10
A.01	Tracciato - A.01	439.91	Tr200	CA366_SA	1.23	39.09	39.21	39.27	39.40	0.123165	1.94	0.63	9.39	2.38
A.01	Tracciato - A.01	439.91	Tr500	CA366_SA	1.62	39.09	39.22	39.29	39.46	0.126399	2.13	0.76	9.93	2.46
A.01	Tracciato - A.01	419.92	Tr050	CA366_SA	0.71	38.40	38.52	38.52	38.56	0.021496	0.81	0.88	13.08	0.99
A.01	Tracciato - A.01	419.92	Tr200	CA366_SA	1.23	38.40	38.56	38.56	38.60	0.019817	0.92	1.34	15.51	1.00
A.01	Tracciato - A.01	419.92	Tr500	CA366_SA	1.62	38.40	38.55	38.57	38.64	0.045189	1.33	1.22	14.89	1.49
A.01	Tracciato - A.01	399.92	Tr050	CA366_SA	0.71	37.82	38.01	38.03	38.07	0.027040	1.11	0.64	6.97	1.17
A.01	Tracciato - A.01	399.92	Tr200	CA366_SA	1.23	37.82	38.07	38.08	38.12	0.029593	0.99	1.25	17.44	1.18
A.01	Tracciato - A.01	399.92	Tr500	CA366_SA	1.62	37.82	38.09	38.09	38.14	0.023235	0.95	1.71	21.29	1.07
A.01	Tracciato - A.01	379.92	Tr050	CA366_SA	0.71	36.20	36.32	36.42	36.79	0.264349	3.05	0.23	3.10	3.55
A.01	Tracciato - A.01	379.92	Tr200	CA366_SA	1.23	36.20	36.36	36.48	36.87	0.182229	3.14	0.39	3.76	3.11
A.01	Tracciato - A.01	379.92	Tr500	CA366_SA	1.62	36.20	36.38	36.51	37.01	0.223666	3.52	0.46	4.35	3.45
A.01	Tracciato - A.01	359.92	Tr050	CA366_SA	0.71	35.75	35.94	35.94	36.00	0.019179	1.03	0.69	6.58	1.01
A.01	Tracciato - A.01	359.92	Tr200	CA366_SA	1.23	35.75	35.99	35.99	36.06	0.017958	1.13	1.08	8.44	1.01
A.01	Tracciato - A.01	359.92	Tr500	CA366_SA	1.62	35.75	36.02	36.02	36.10	0.017315	1.21	1.34	9.16	1.01
A.01	Tracciato - A.01	339.92	Tr050	CA366_SA	0.71	35.08	35.29	35.33	35.42	0.046073	1.62	0.44	4.01	1.57
A.01	Tracciato - A.01	339.92	Tr200	CA366_SA	1.23	35.08	35.34	35.39	35.51	0.044483	1.85	0.67	4.90	1.60
A.01	Tracciato - A.01	339.92	Tr500	CA366_SA	1.62	35.08	35.37	35.43	35.57	0.043366	1.97	0.82	5.43	1.61
A.01	Tracciato - A.01	319.92	Tr050	CA366_SA	0.71	34.89	35.13	35.13	35.19	0.018417	1.11	0.64	5.23	1.01
A.01	Tracciato - A.01	319.92	Tr200	CA366_SA	1.23	34.89	35.19	35.19	35.26	0.017134	1.23	1.00	6.62	1.01
A.01	Tracciato - A.01	319.92	Tr500	CA366_SA	1.62	34.89	35.22	35.22	35.31	0.016575	1.30	1.25	7.44	1.01
A.01	Tracciato - A.01	299.92	Tr050	CA366_SA	0.71	34.46	34.65	34.67	34.72	0.030150	1.21	0.58	6.07	1.25
A.01	Tracciato - A.01	299.92	Tr200	CA366_SA	1.23	34.46	34.69	34.72	34.80	0.034609	1.47	0.84	7.22	1.38
A.01	Tracciato - A.01	299.92	Tr500	CA366_SA	1.62	34.46	34.71	34.75	34.84	0.034750	1.58	1.02	7.97	1.41
A.01	Tracciato - A.01	279.92	Tr050	CA366_SA	0.71	34.00	34.10	34.11	34.15	0.026778	1.02	0.70	8.69	1.14
A.01	Tracciato - A.01	279.92	Tr200	CA366_SA	1.23	34.00	34.13	34.15	34.20	0.024668	1.18	1.04	9.78	1.15
A.01	Tracciato - A.01	279.92	Tr500	CA366_SA	1.62	34.00	34.16	34.17	34.24	0.025052	1.29	1.26	10.38	1.18
A.01	Tracciato - A.01	259.92	Tr050	CA366_SA	0.71	33.27	33.57	33.58	33.65	0.022960	1.29	0.55	4.18	1.14
A.01	Tracciato - A.01	259.92	Tr200	CA366_SA	1.23	33.27	33.63	33.65	33.74	0.022098	1.44	0.85	5.40	1.16
A.01	Tracciato - A.01	259.92	Tr500	CA366_SA	1.62	33.27	33.67	33.69	33.78	0.020808	1.50	1.08	6.11	1.14
A.01	Tracciato - A.01	239.92	Tr050	CA366_SA	0.71	33.04	33.20	33.20	33.24	0.020700	0.89	0.80	9.89	1.01
A.01	Tracciato - A.01	239.92	Tr200	CA366_SA	1.23	33.04	33.23	33.24	33.29	0.021060	1.04	1.19	11.92	1.05
A.01	Tracciato - A.01	239.92	Tr500	CA366_SA	1.62	33.04	33.25	33.26	33.32	0.024682	1.19	1.36	12.47	1.15

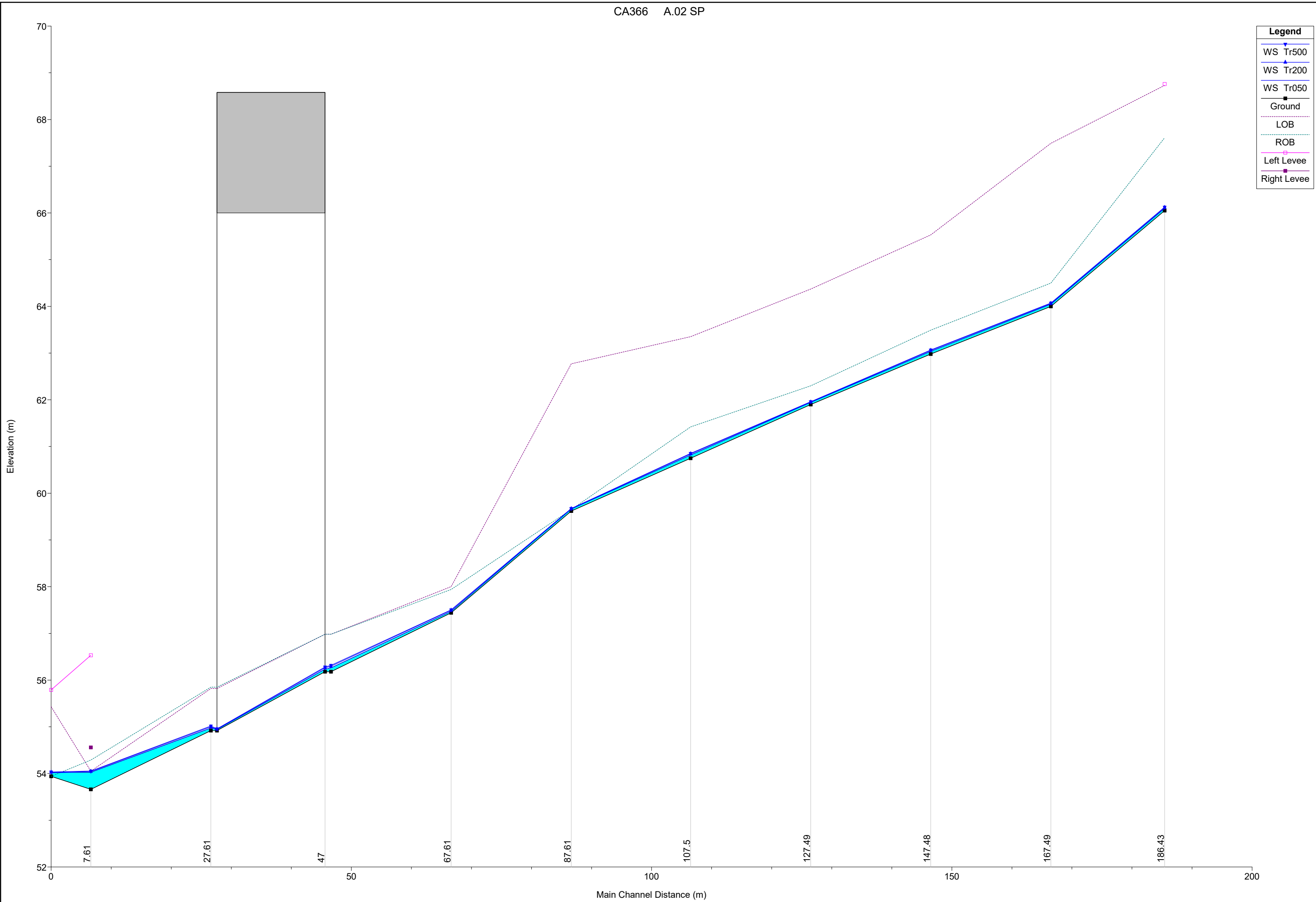
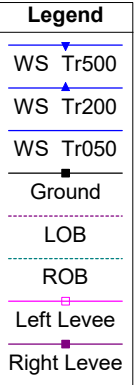
HEC-RAS (Continued)

River	Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.01	Tracciato - A.01	219.92	Tr050	CA366_SA	0.71	32.61	32.78	32.79	32.84	0.022593	1.08	0.66	6.56	1.09
A.01	Tracciato - A.01	219.92	Tr200	CA366_SA	1.23	32.61	32.83	32.84	32.91	0.020864	1.21	1.02	8.10	1.09
A.01	Tracciato - A.01	219.92	Tr500	CA366_SA	1.62	32.61	32.87	32.87	32.95	0.017278	1.21	1.34	9.27	1.01
A.01	Tracciato - A.01	199.92	Tr050	CA366_SA	0.71	32.23	32.40	32.40	32.45	0.020227	0.95	0.74	8.25	1.01
A.01	Tracciato - A.01	199.92	Tr200	CA366_SA	1.23	32.23	32.44	32.45	32.50	0.019275	1.07	1.14	10.22	1.03
A.01	Tracciato - A.01	199.92	Tr500	CA366_SA	1.62	32.23	32.46	32.47	32.54	0.023971	1.25	1.30	10.88	1.16
A.01	Tracciato - A.01	179.92	Tr050	CA366_SA	0.71	31.78	32.00	32.00	32.06	0.019010	1.07	0.66	5.91	1.02
A.01	Tracciato - A.01	179.92	Tr200	CA366_SA	1.23	31.78	32.06	32.06	32.12	0.019042	1.12	1.10	9.10	1.03
A.01	Tracciato - A.01	179.92	Tr500	CA366_SA	1.62	31.78	32.05	32.09	32.17	0.033873	1.49	1.09	9.02	1.37
A.01	Tracciato - A.01	159.92	Tr050	CA366_SA	0.71	31.47	31.70	31.67	31.73	0.008985	0.74	0.96	8.56	0.70
A.01	Tracciato - A.01	159.92	Tr200	CA366_SA	1.23	31.47	31.75	31.72	31.79	0.009494	0.86	1.43	10.39	0.74
A.01	Tracciato - A.01	159.92	Tr500	CA366_SA	1.62	31.47	31.78	31.75	31.82	0.009338	0.92	1.76	11.55	0.75
A.01	Tracciato - A.01	139.92	Tr050	CA366_SA	0.71	31.23	31.42	31.42	31.47	0.019242	1.01	0.70	6.89	1.01
A.01	Tracciato - A.01	139.92	Tr200	CA366_SA	1.23	31.23	31.47	31.47	31.53	0.017597	1.12	1.10	8.59	1.00
A.01	Tracciato - A.01	139.92	Tr500	CA366_SA	1.62	31.23	31.50	31.50	31.57	0.017285	1.19	1.36	9.55	1.01
A.01	Tracciato - A.01	119.92	Tr050	CA366_SA	0.71	30.73	30.85	30.87	30.92	0.042804	1.14	0.62	9.33	1.40
A.01	Tracciato - A.01	119.92	Tr200	CA366_SA	1.23	30.73	30.88	30.91	30.98	0.049057	1.42	0.87	10.34	1.56
A.01	Tracciato - A.01	119.92	Tr500	CA366_SA	1.62	30.73	30.89	30.93	31.02	0.049831	1.56	1.04	10.80	1.61
A.01	Tracciato - A.01	99.92	Tr050	CA366_SA	0.71	30.25	30.40	30.40	30.44	0.021158	0.88	0.81	10.38	1.01
A.01	Tracciato - A.01	99.92	Tr200	CA366_SA	1.23	30.25	30.44	30.44	30.49	0.019719	0.99	1.24	12.73	1.01
A.01	Tracciato - A.01	99.92	Tr500	CA366_SA	1.62	30.25	30.46	30.46	30.52	0.018906	1.05	1.54	14.08	1.01
A.01	Tracciato - A.01	79.92	Tr050	CA366_SA	0.71	29.50	29.75	29.79	29.88	0.036606	1.61	0.44	3.46	1.43
A.01	Tracciato - A.01	79.92	Tr200	CA366_SA	1.23	29.50	29.82	29.86	29.98	0.033531	1.79	0.69	4.30	1.43
A.01	Tracciato - A.01	79.92	Tr500	CA366_SA	1.62	29.50	29.86	29.90	30.03	0.030769	1.85	0.87	4.84	1.39
A.01	Tracciato - A.01	59.92	Tr050	CA366_SA	0.71	28.89	29.39	29.19	29.40	0.001425	0.49	1.46	6.01	0.31
A.01	Tracciato - A.01	59.92	Tr200	CA366_SA	1.23	28.89	29.56	29.27	29.57	0.000857	0.44	2.82	9.36	0.25
A.01	Tracciato - A.01	59.92	Tr500	CA366_SA	1.62	28.89	29.77	29.32	29.78	0.000317	0.31	5.18	13.42	0.16
A.01	Tracciato - A.01	59			Bridge									
A.01	Tracciato - A.01	39.92	Tr050	CA366_SA	0.71	28.85	29.19	29.19	29.31	0.016174	1.52	0.47	1.99	1.00
A.01	Tracciato - A.01	39.92	Tr200	CA366_SA	1.23	28.85	29.30	29.30	29.45	0.015252	1.72	0.72	2.40	1.00
A.01	Tracciato - A.01	39.92	Tr500	CA366_SA	1.62	28.85	29.37	29.37	29.54	0.014660	1.82	0.89	2.65	1.00
A.01	Tracciato - A.01	19.92	Tr050	CA366_SA	0.71	27.83	27.97	28.07	28.44	0.262240	3.04	0.23	3.09	3.53
A.01	Tracciato - A.01	19.92	Tr200	CA366_SA	1.23	27.83	28.00	28.13	28.62	0.257342	3.47	0.35	3.80	3.63
A.01	Tracciato - A.01	19.92	Tr500	CA366_SA	1.62	27.83	28.02	28.17	28.72	0.253938	3.70	0.44	4.21	3.67
A.01	Tracciato - A.01	1	Tr050	CA366_SA	0.71	27.66	27.90	27.90	27.98	0.016885	1.20	0.59	3.96	0.99
A.01	Tracciato - A.01	1	Tr200	CA366_SA	1.23	27.66	27.97	27.97	28.07	0.015730	1.38	0.89	4.59	1.00
A.01	Tracciato - A.01	1	Tr500	CA366_SA	1.62	27.66	28.02	28.02	28.13	0.015057	1.47	1.10	4.99	1.00

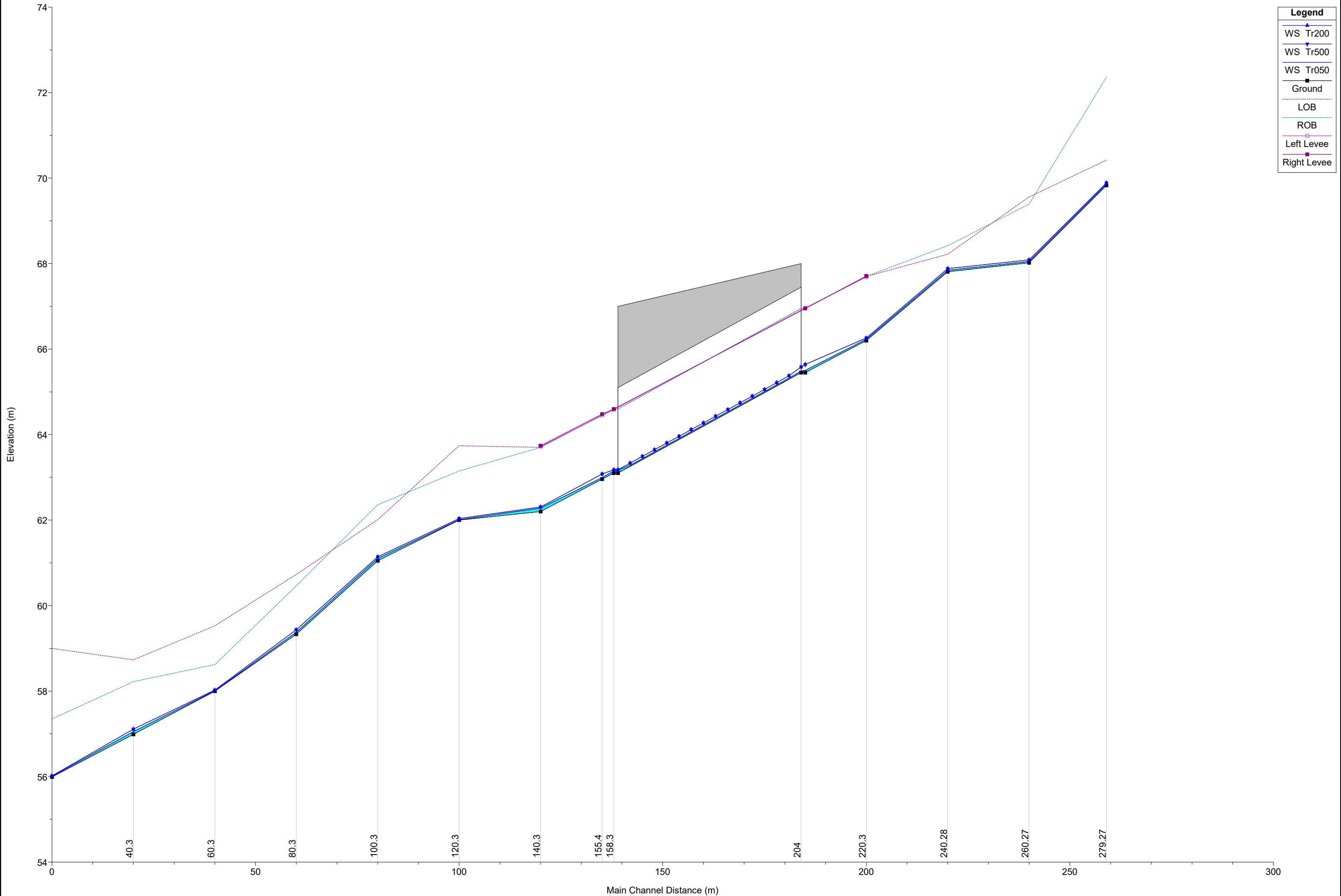
S.S. 125 Nuova S.S. 125/133bis "Olbia-Palau"		 anas GRUPPO FS ITALIANE
Tratta Arzachena Nord - Palau, Stralcio 2 da Arzachena Sud allo svincolo di Arzachena Nord e stralcio 3 dal km 351 dell'attuale S.S. 125 – 1° stralcio, fino a Palau		
CA366	<i>Relazione di compatibilità idraulica</i>	

ALLEGATO B SIMULAZIONI POST OPERAM



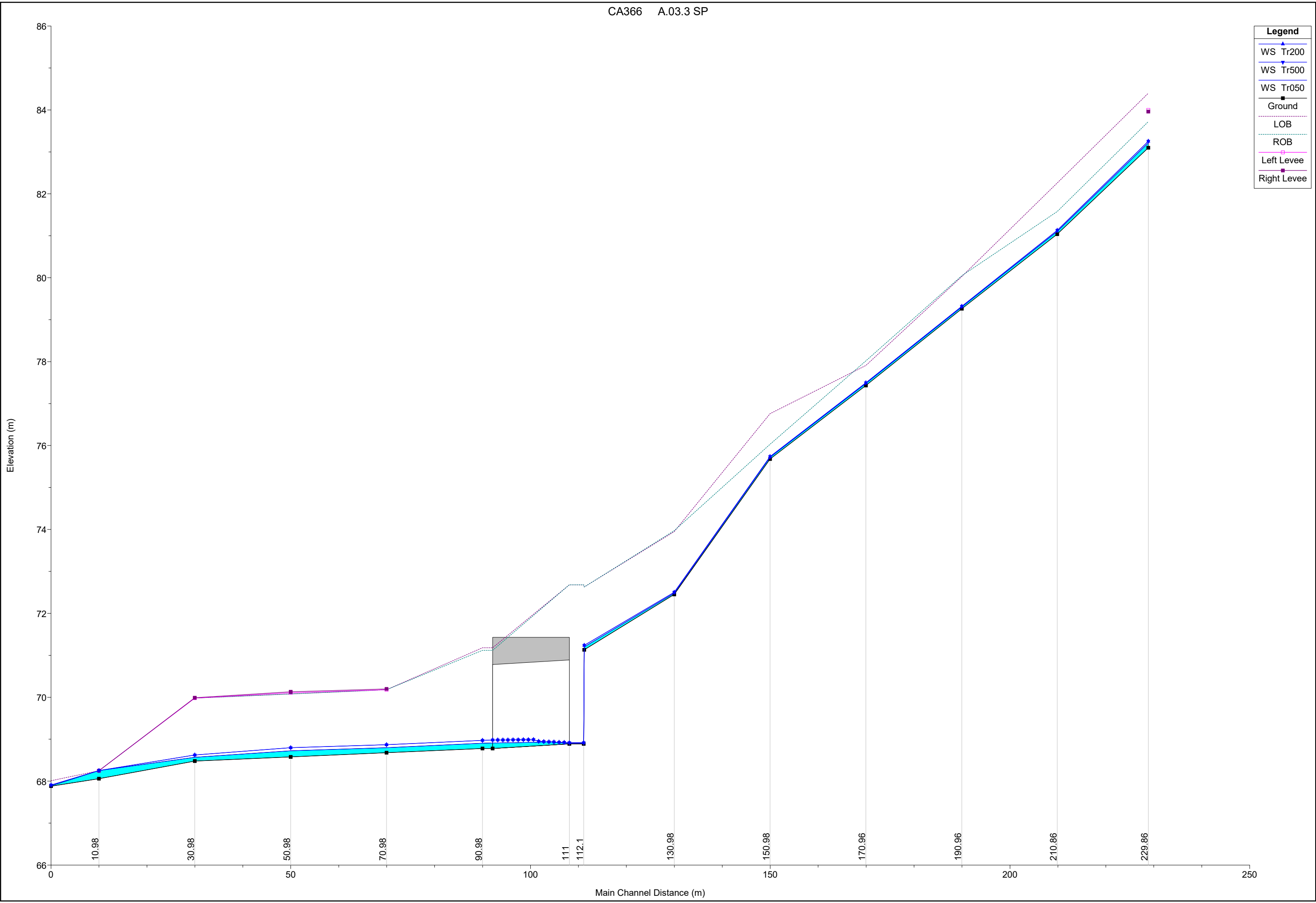


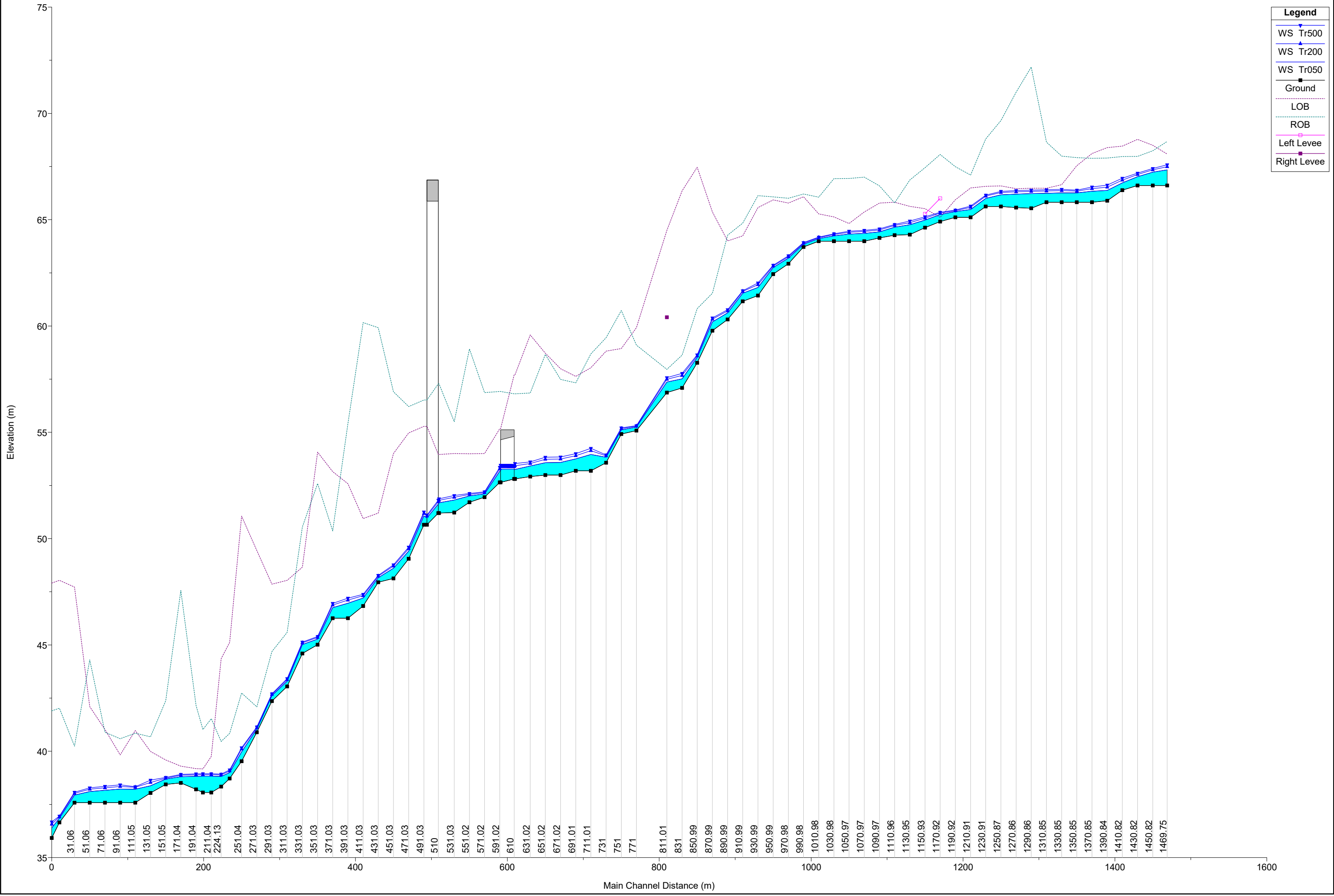
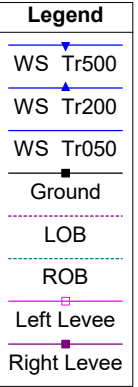
- WS Tr200
- WS Tr500
- WS Tr050
- Ground
- LOB
- ROB
- Left Levee
- Right Levee

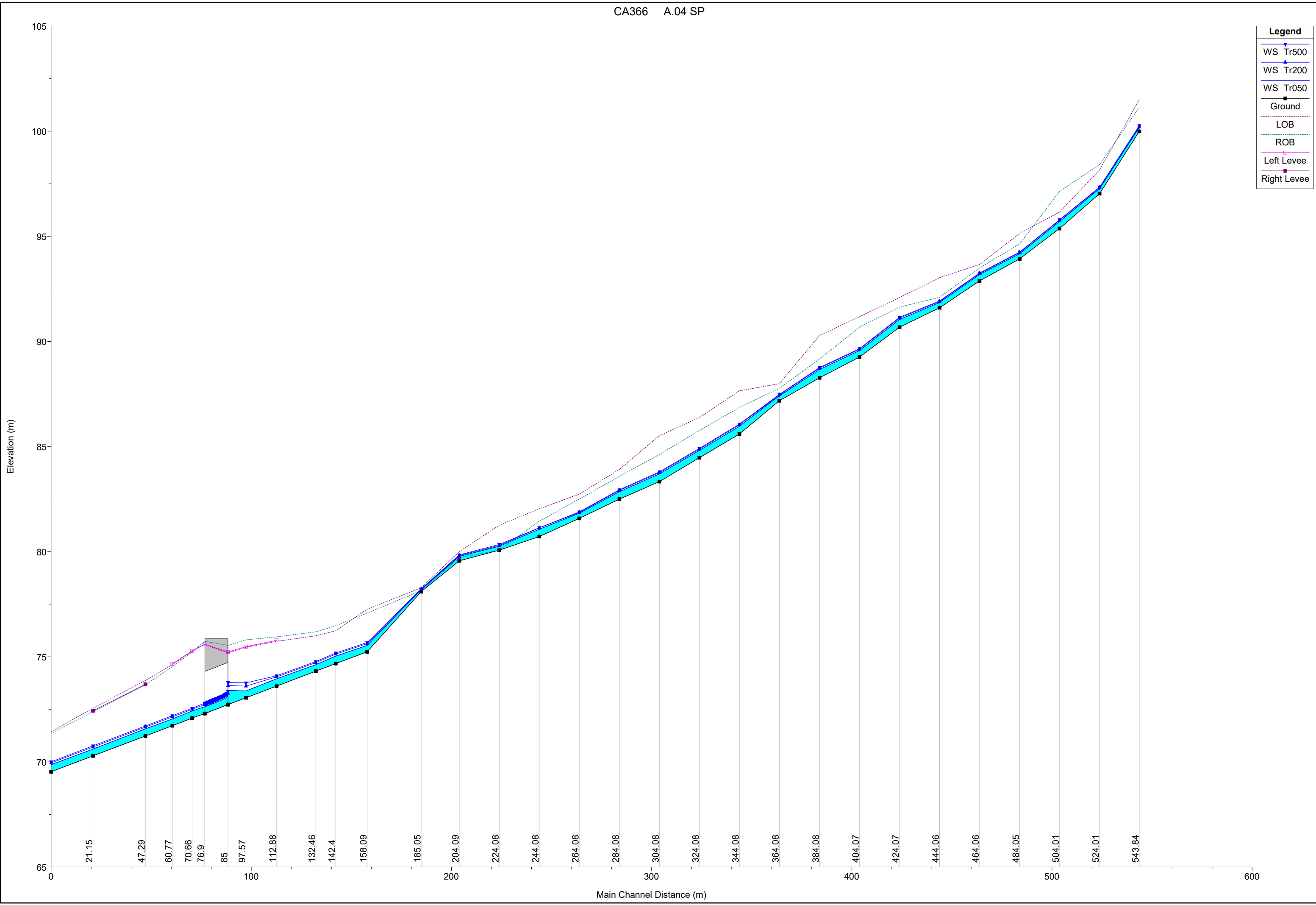
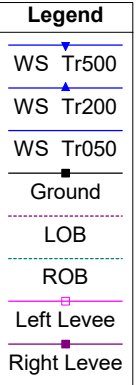


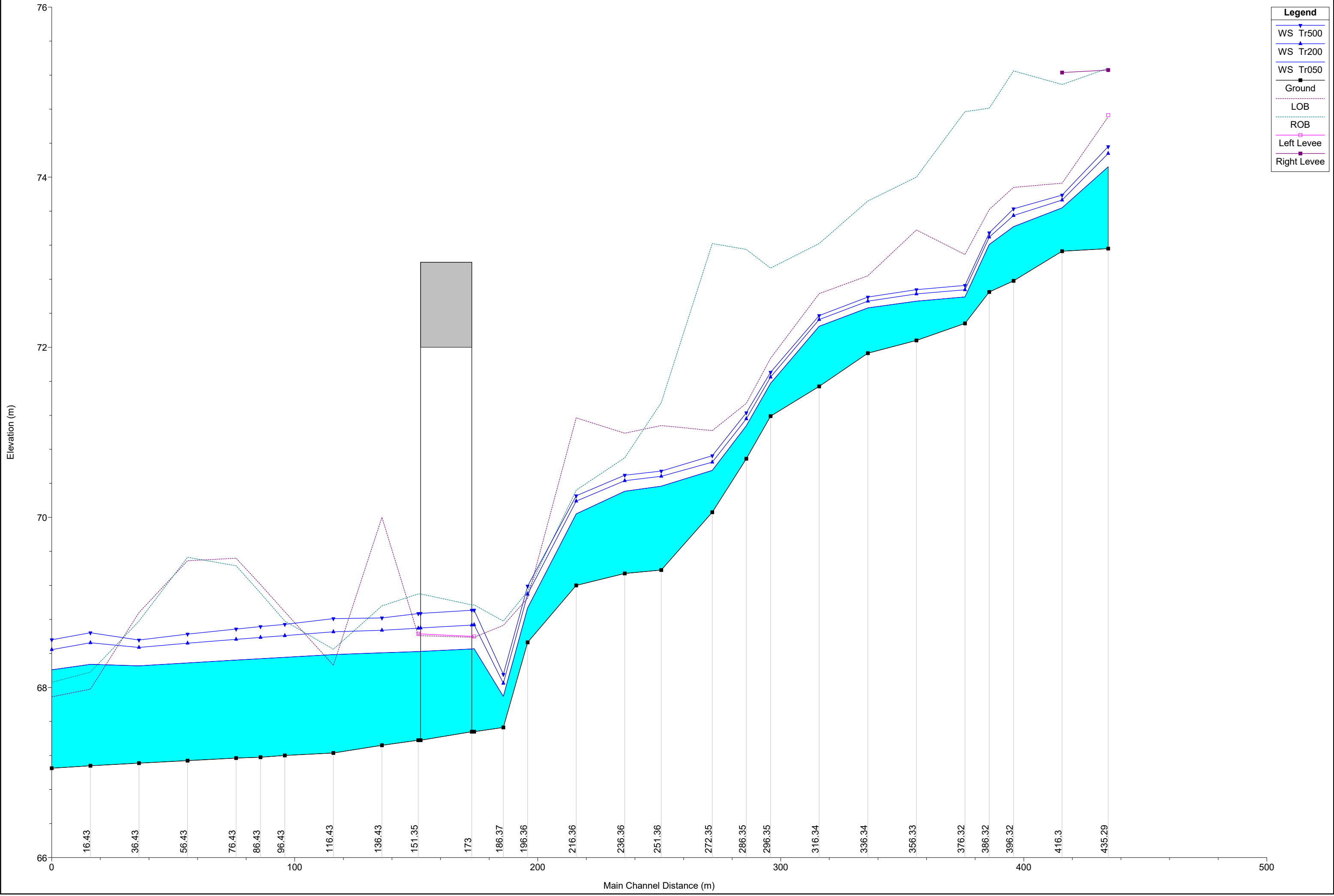
Legend

- WS Tr200
- WS Tr500
- WS Tr050
- Ground
- LOB
- ROB
- Left Levee
- Right Levee

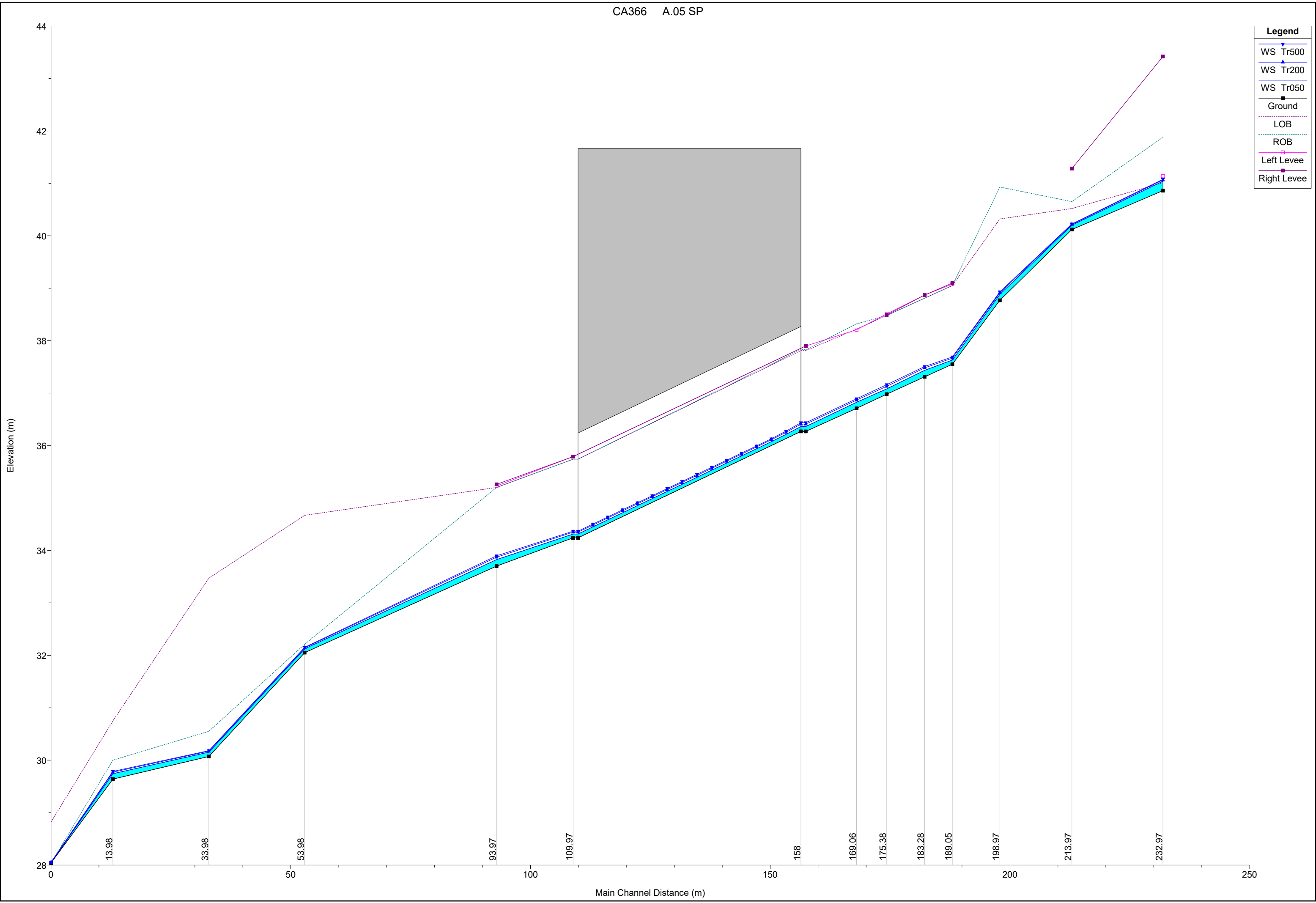


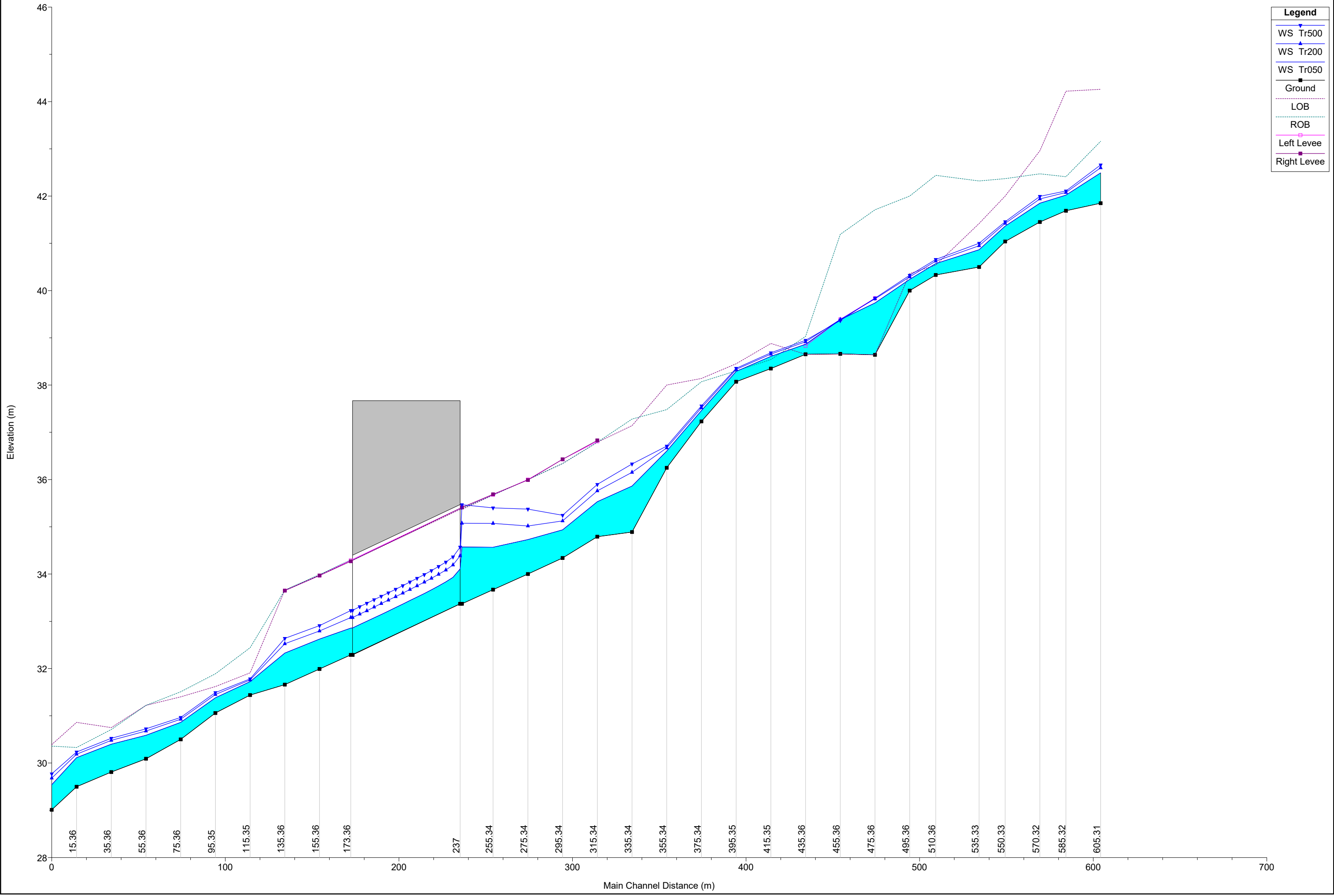


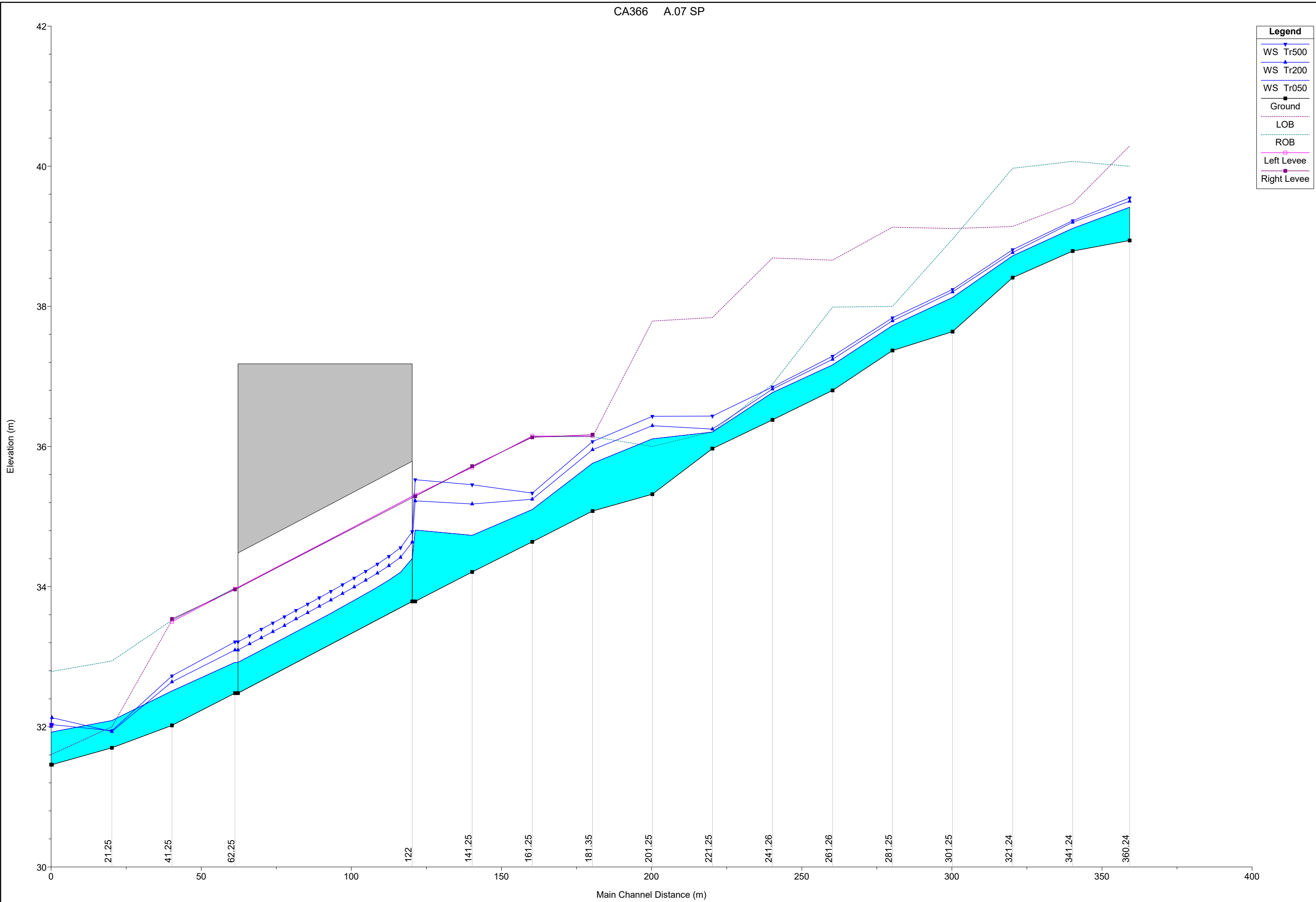
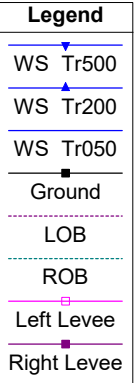




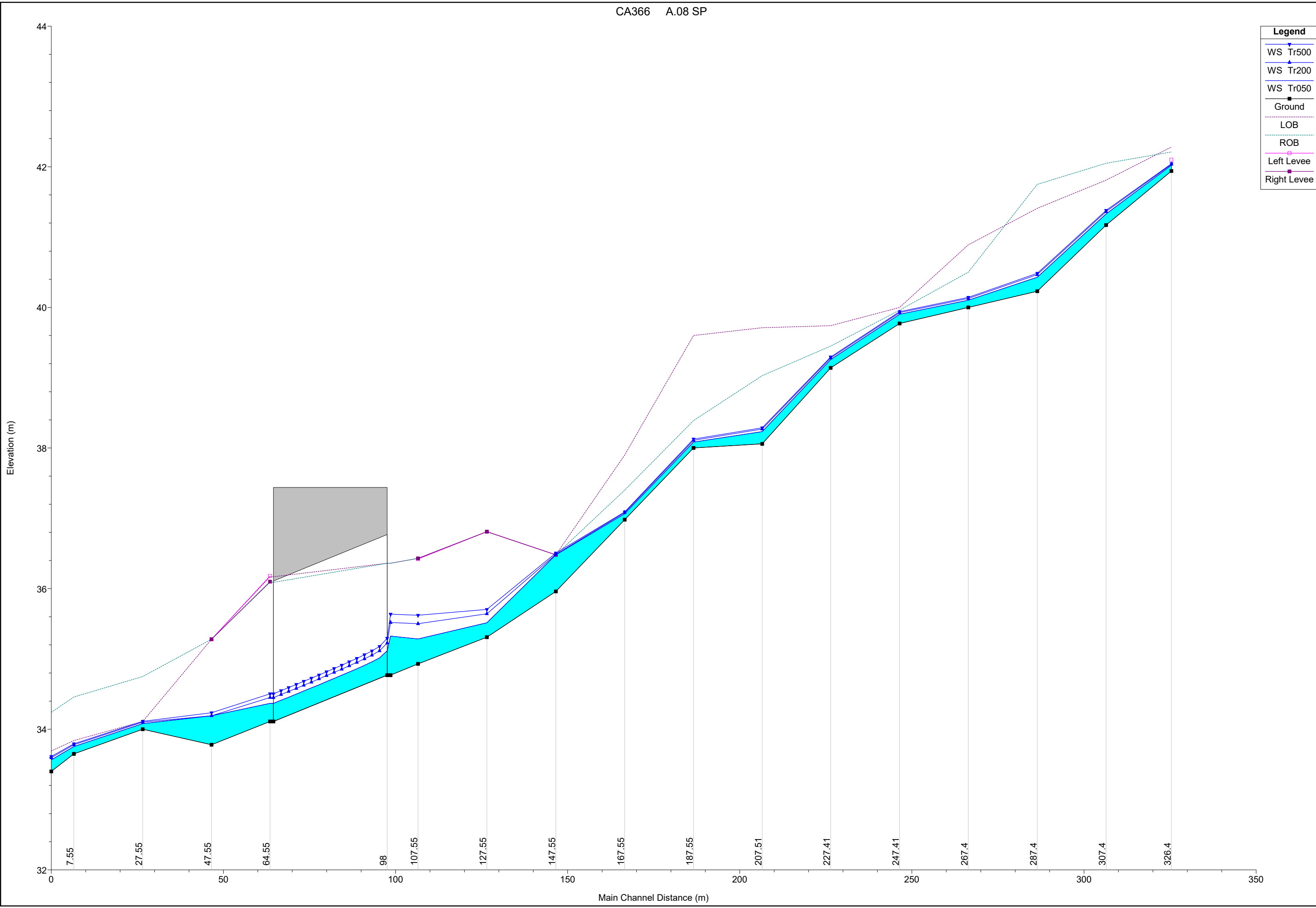
- WS Tr500
- WS Tr200
- WS Tr050
- Ground
- LOB
- ROB
- Left Levee
- Right Levee

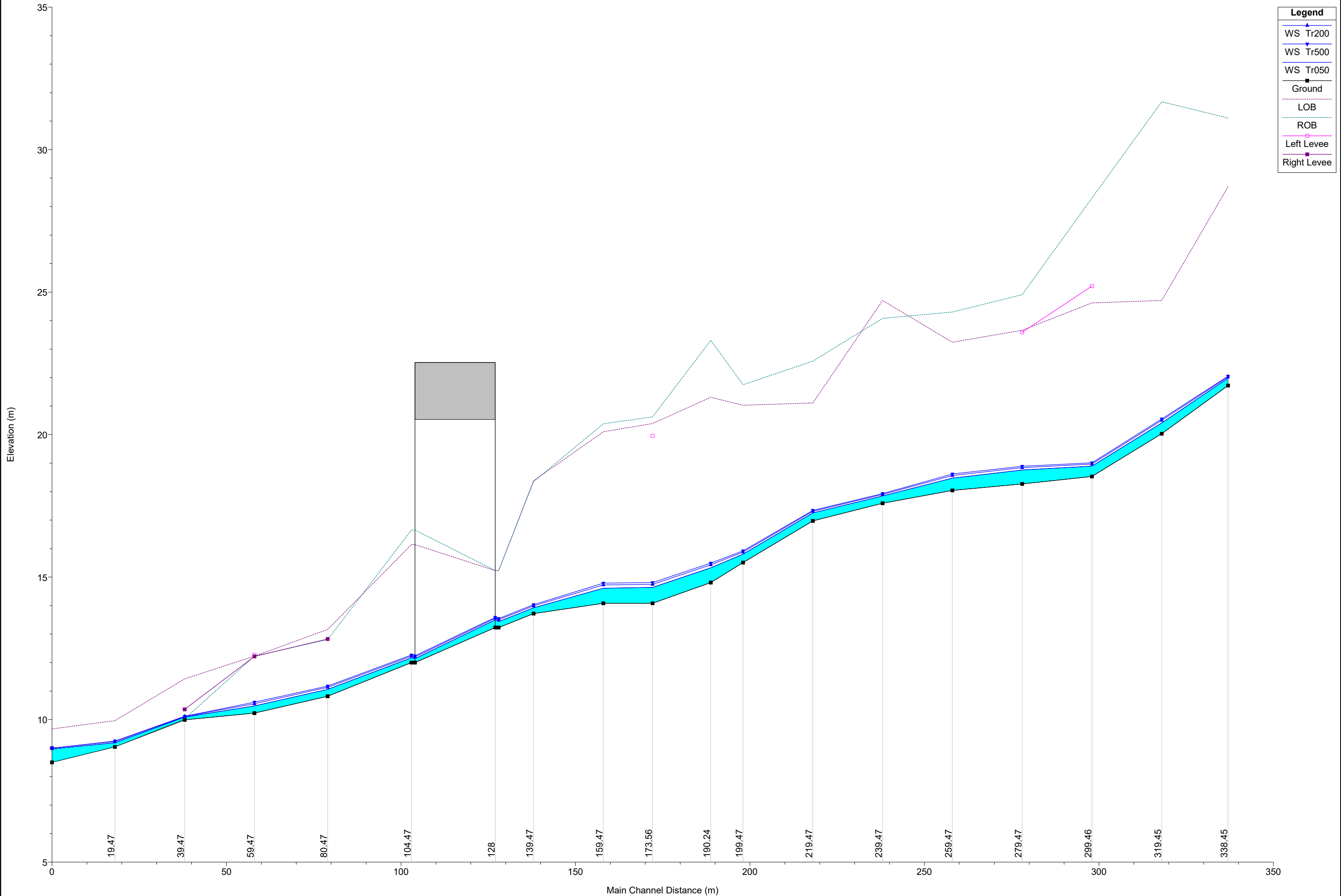
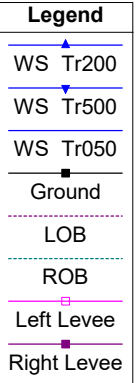


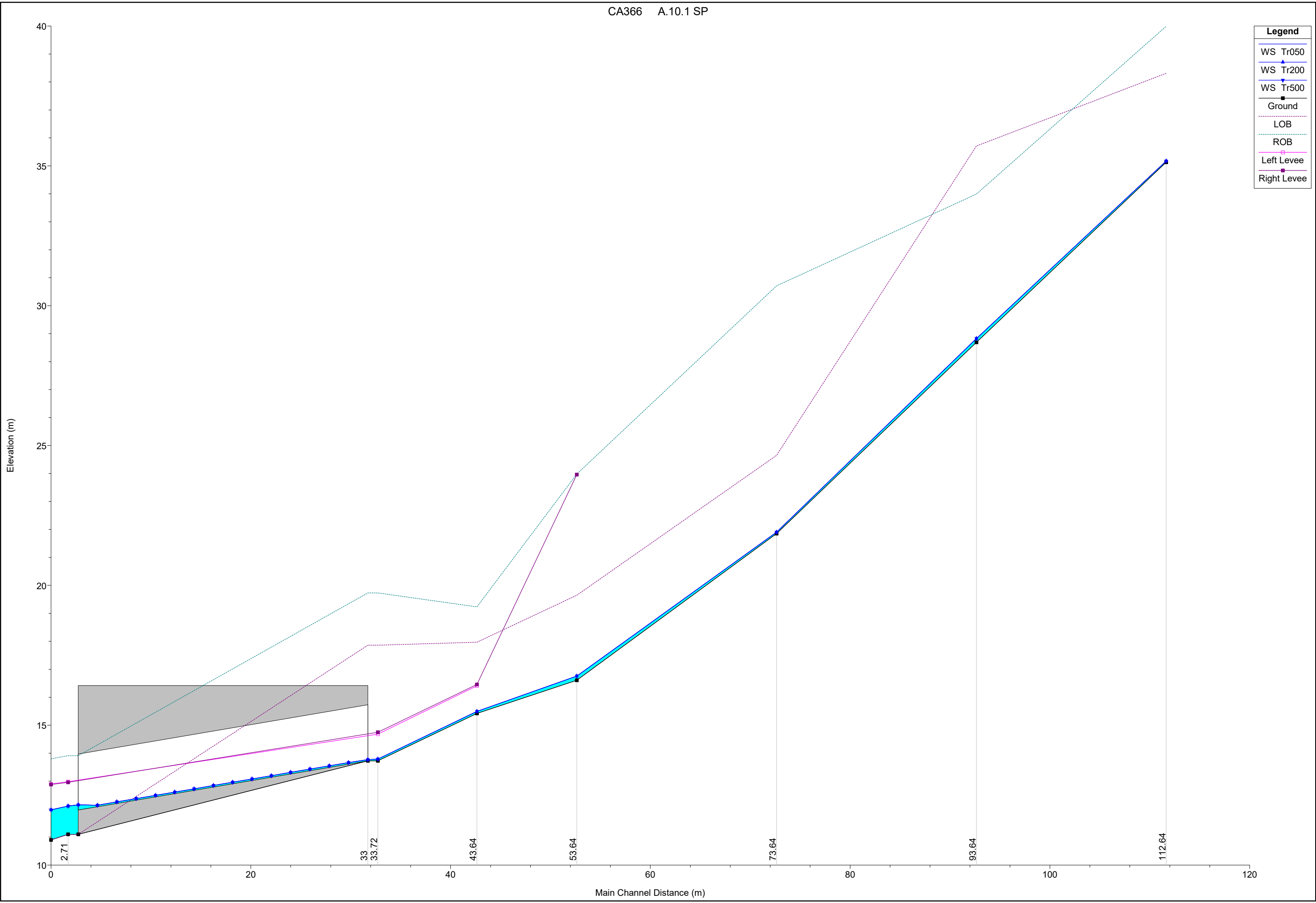
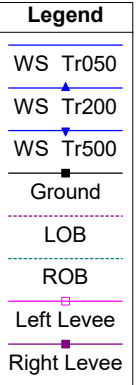


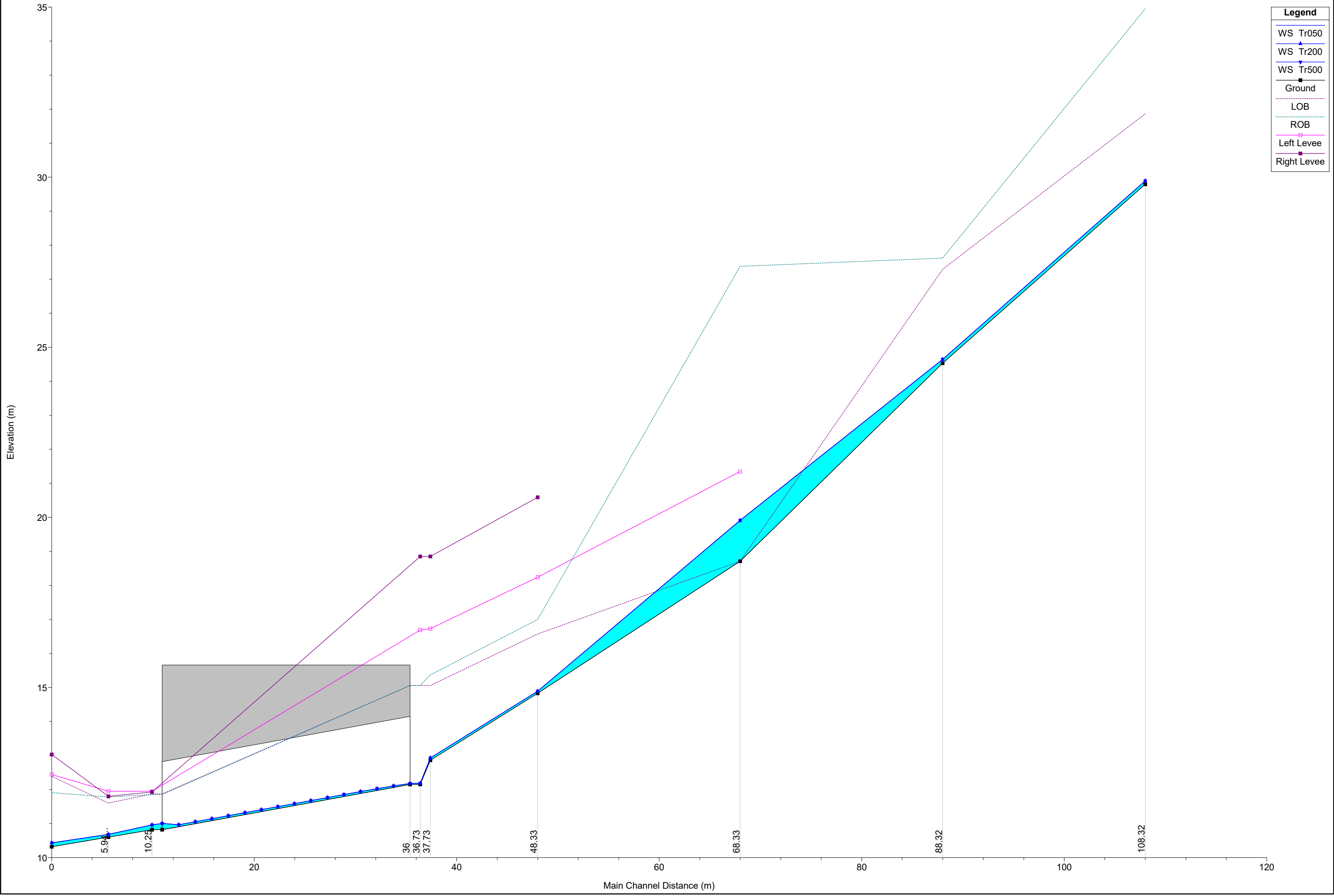
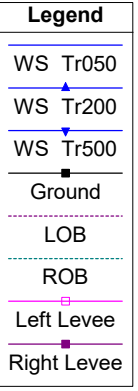


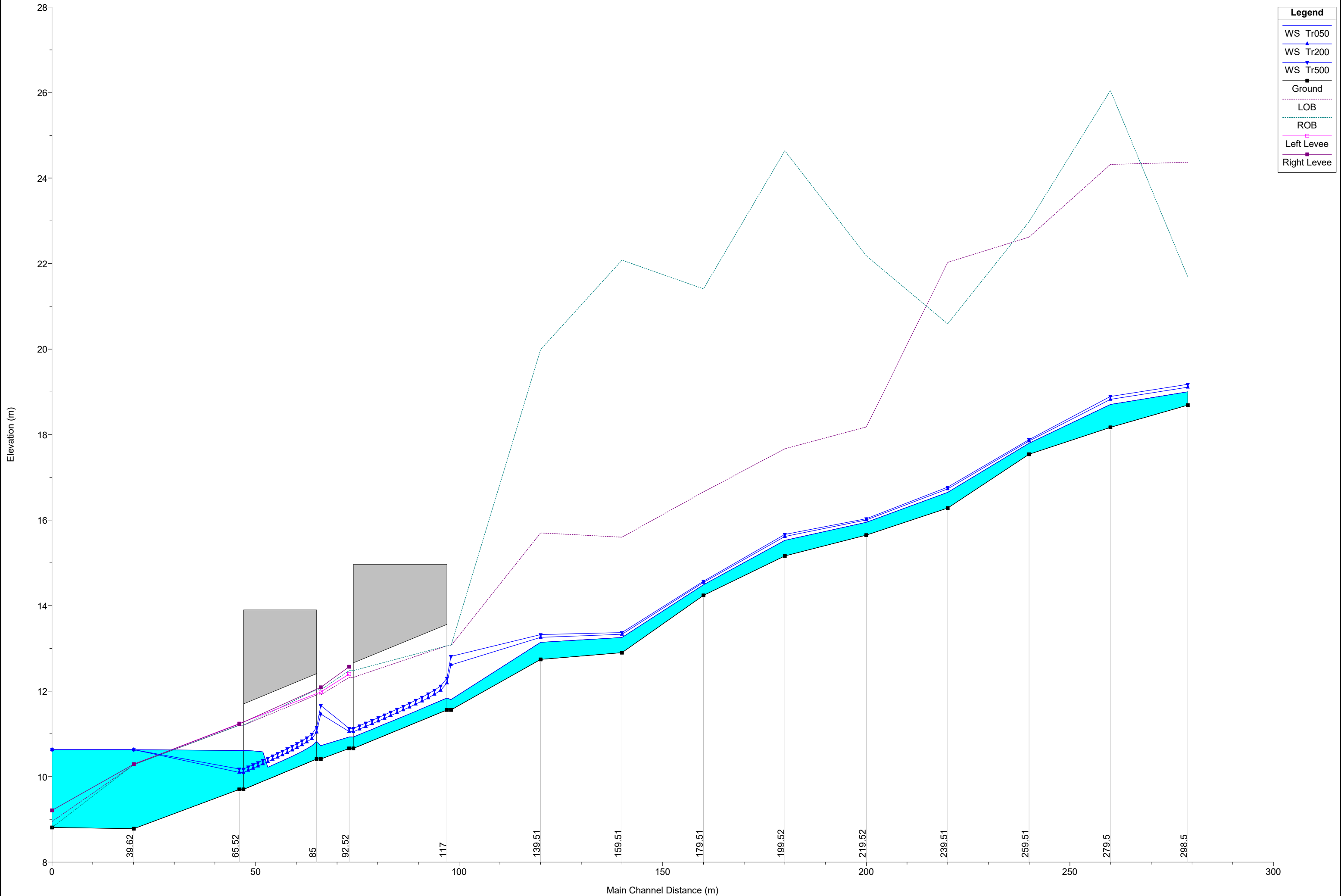
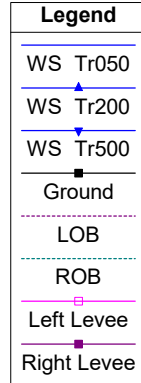
- WS Tr500
- WS Tr200
- WS Tr050
- Ground
- LOB
- ROB
- Left Levee
- Right Levee





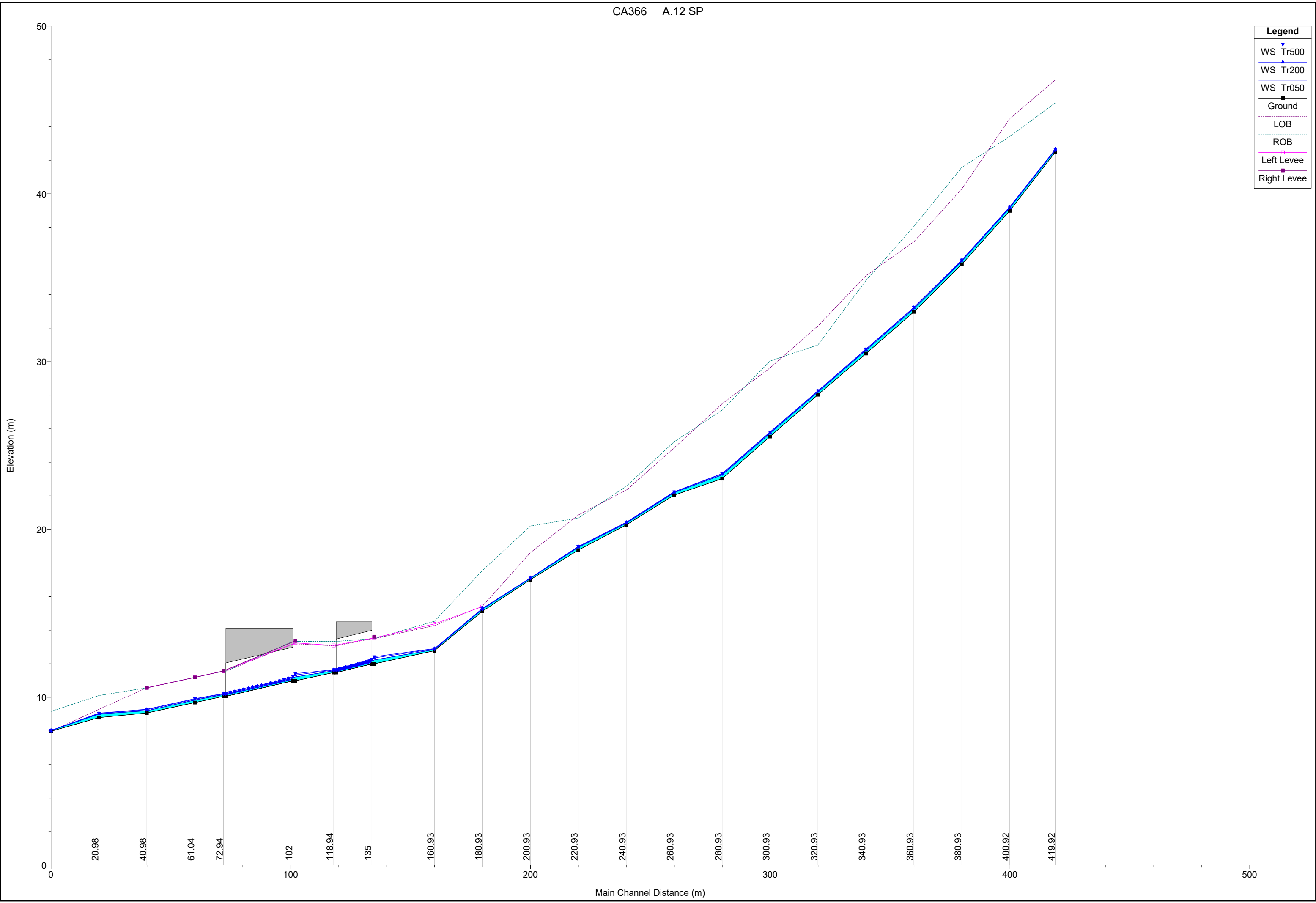


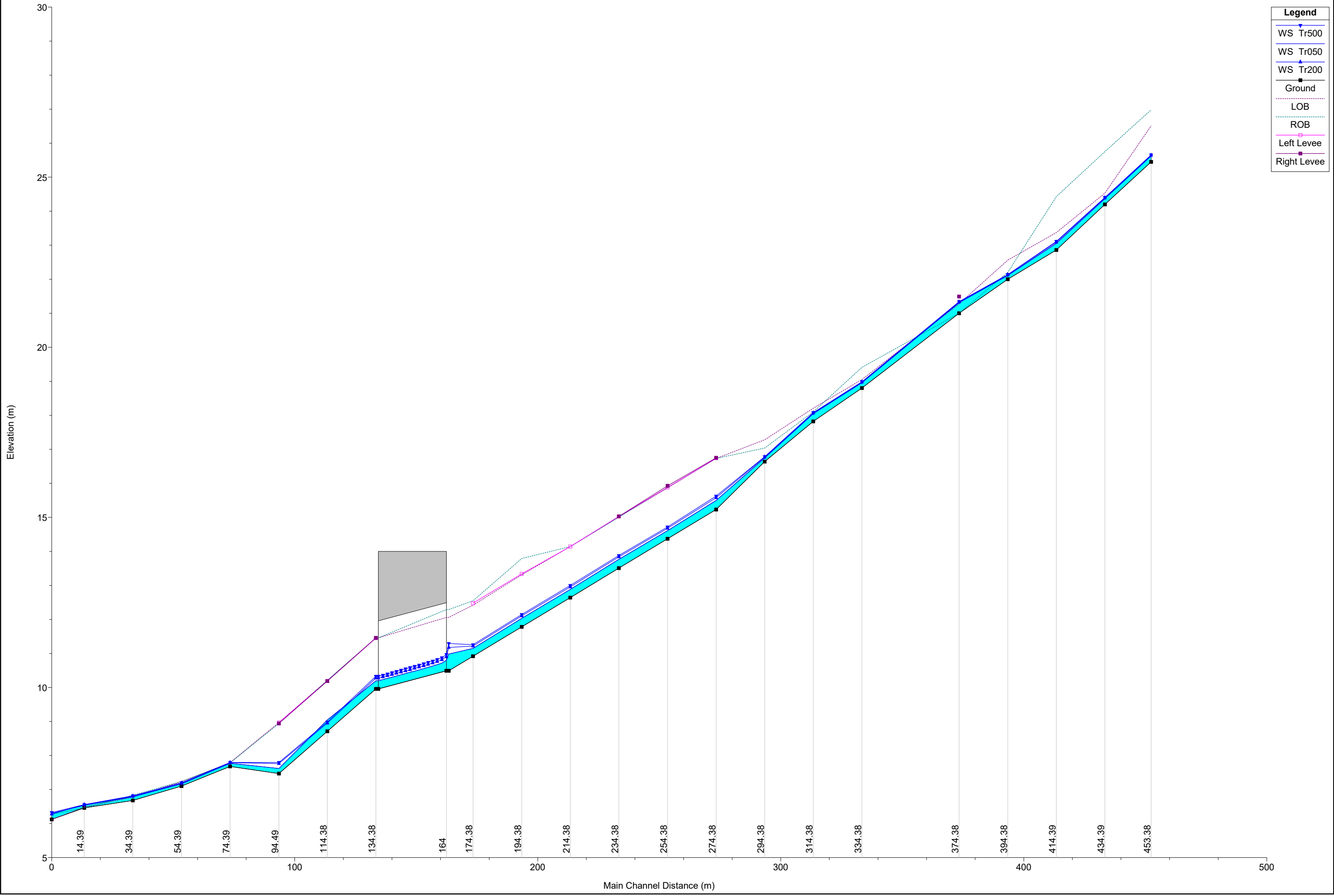
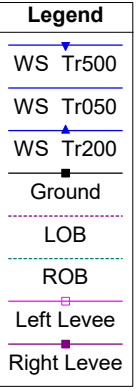


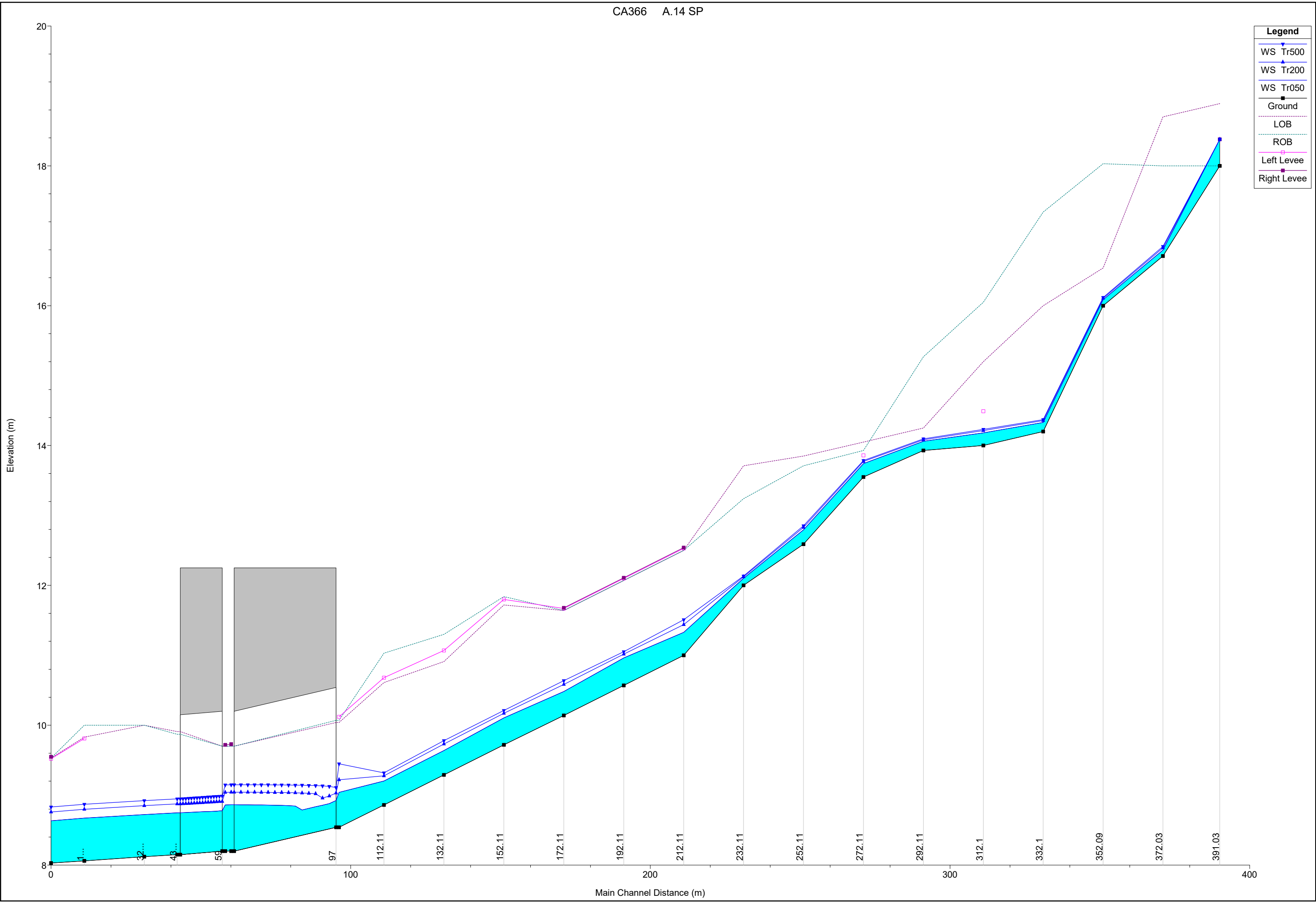


Legend

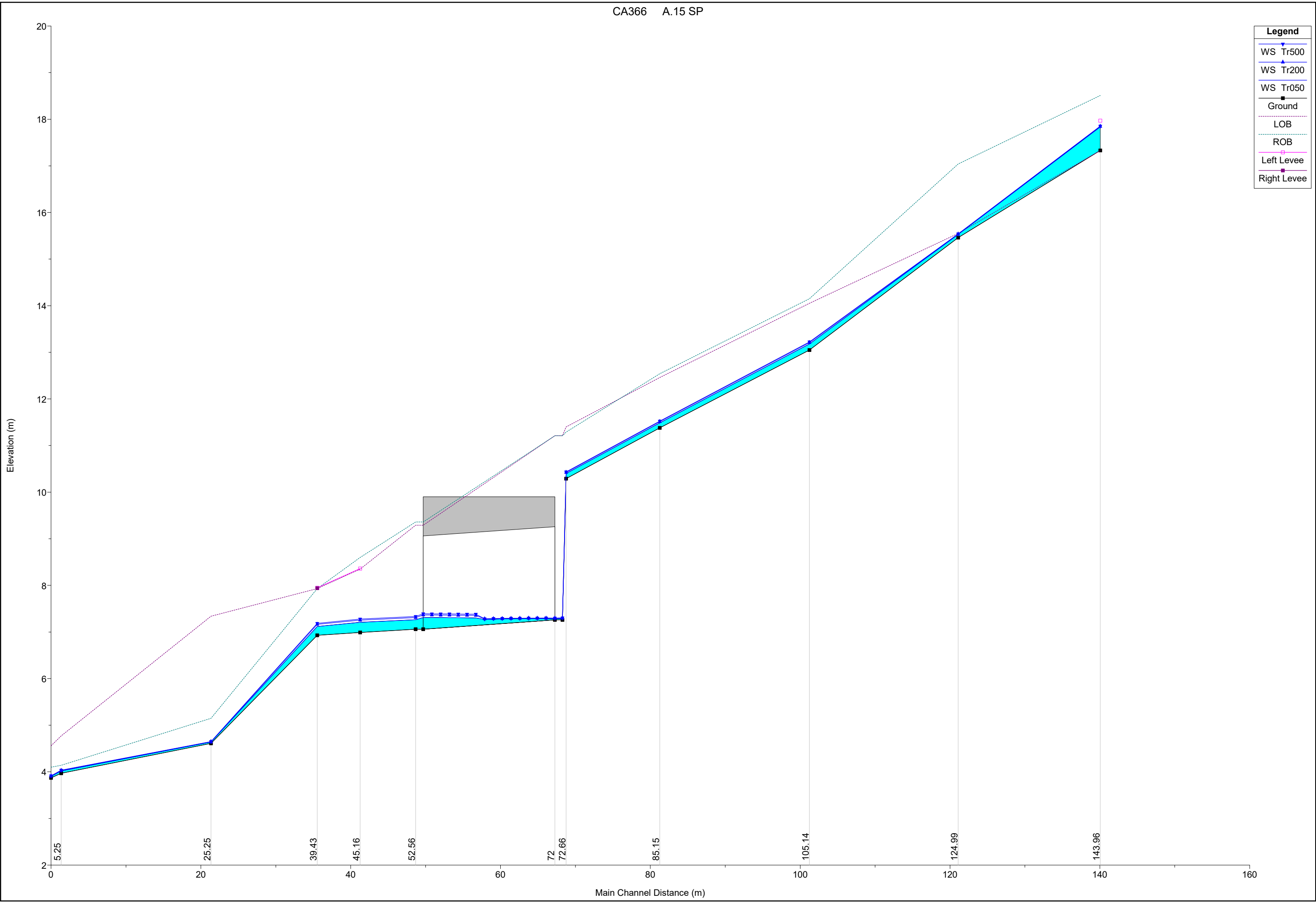
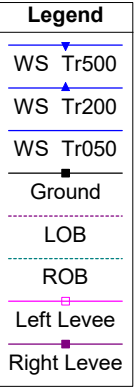
- WS Tr500
- WS Tr200
- WS Tr050
- Ground
- LOB
- ROB
- Left Levee
- Right Levee

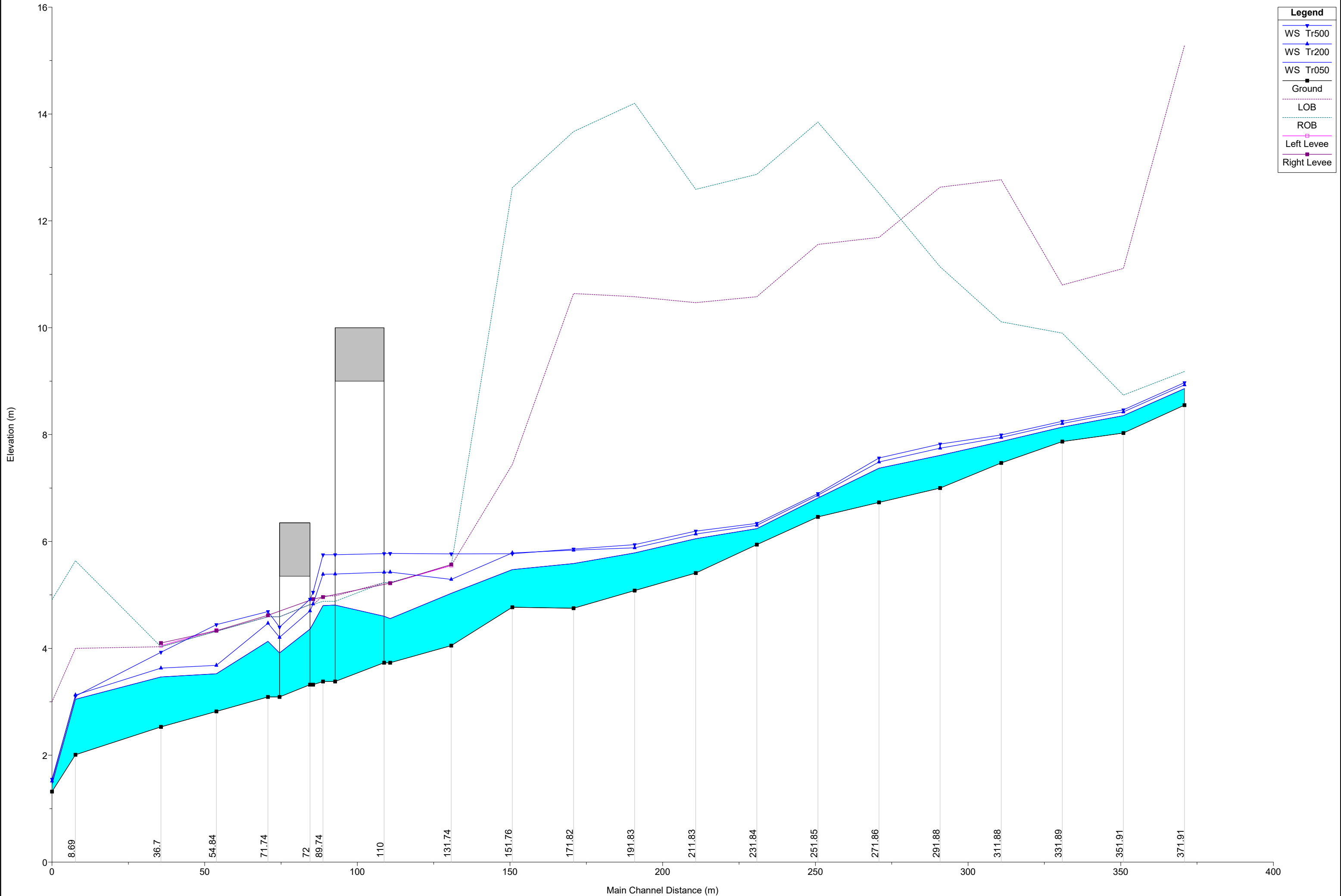
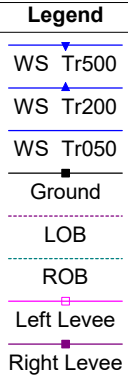


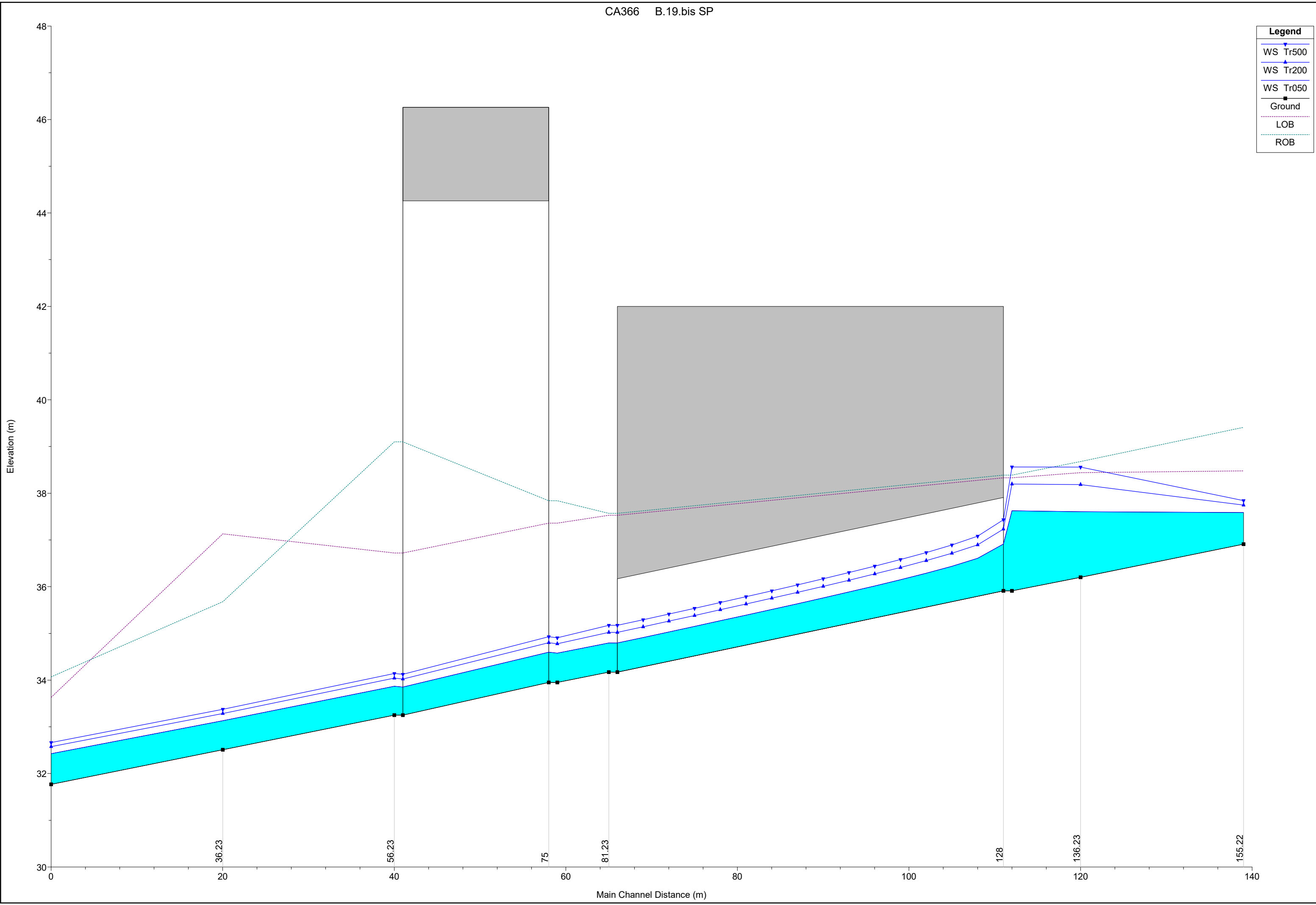
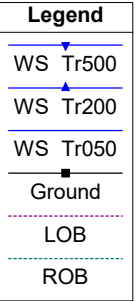


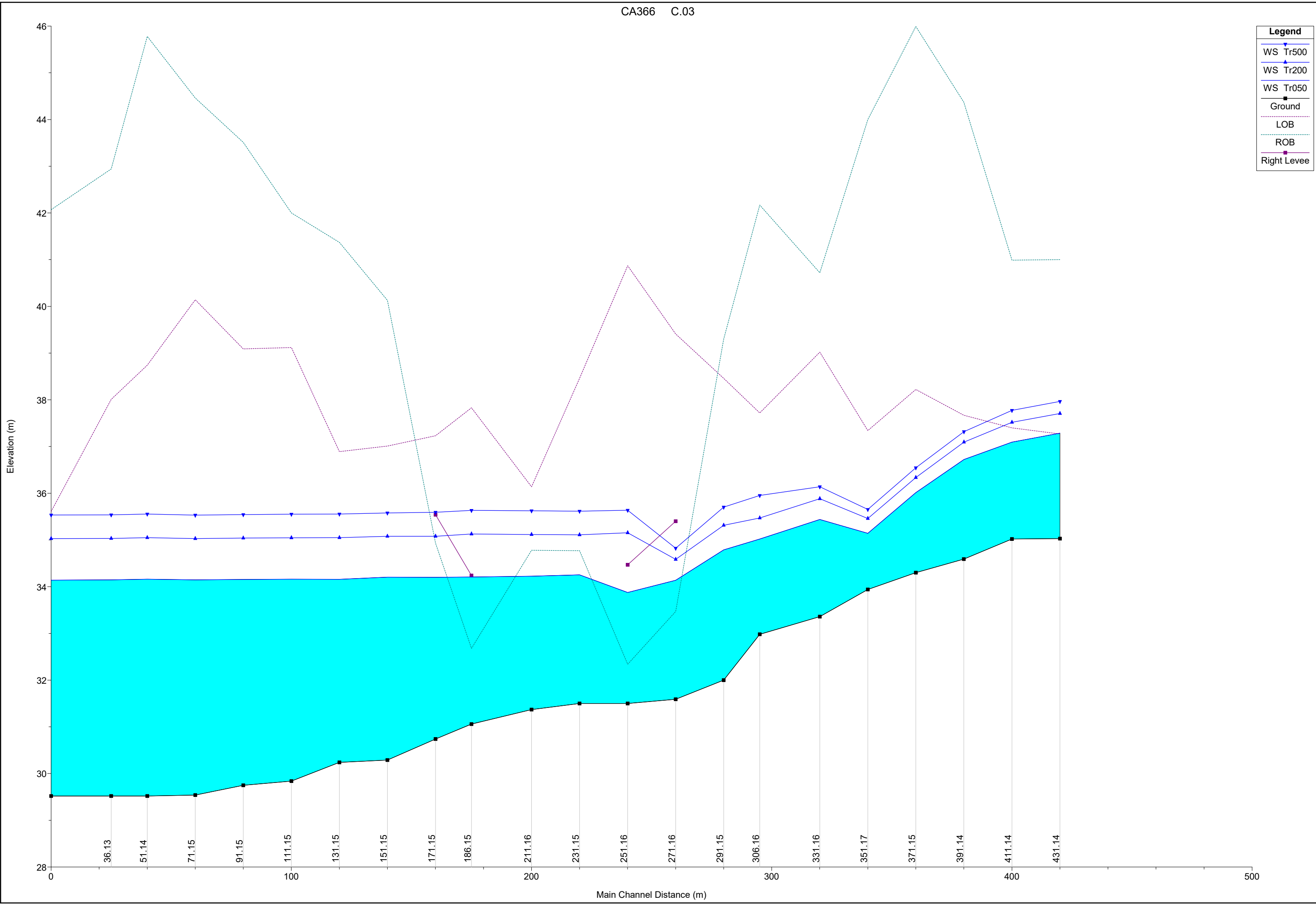
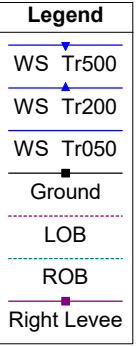


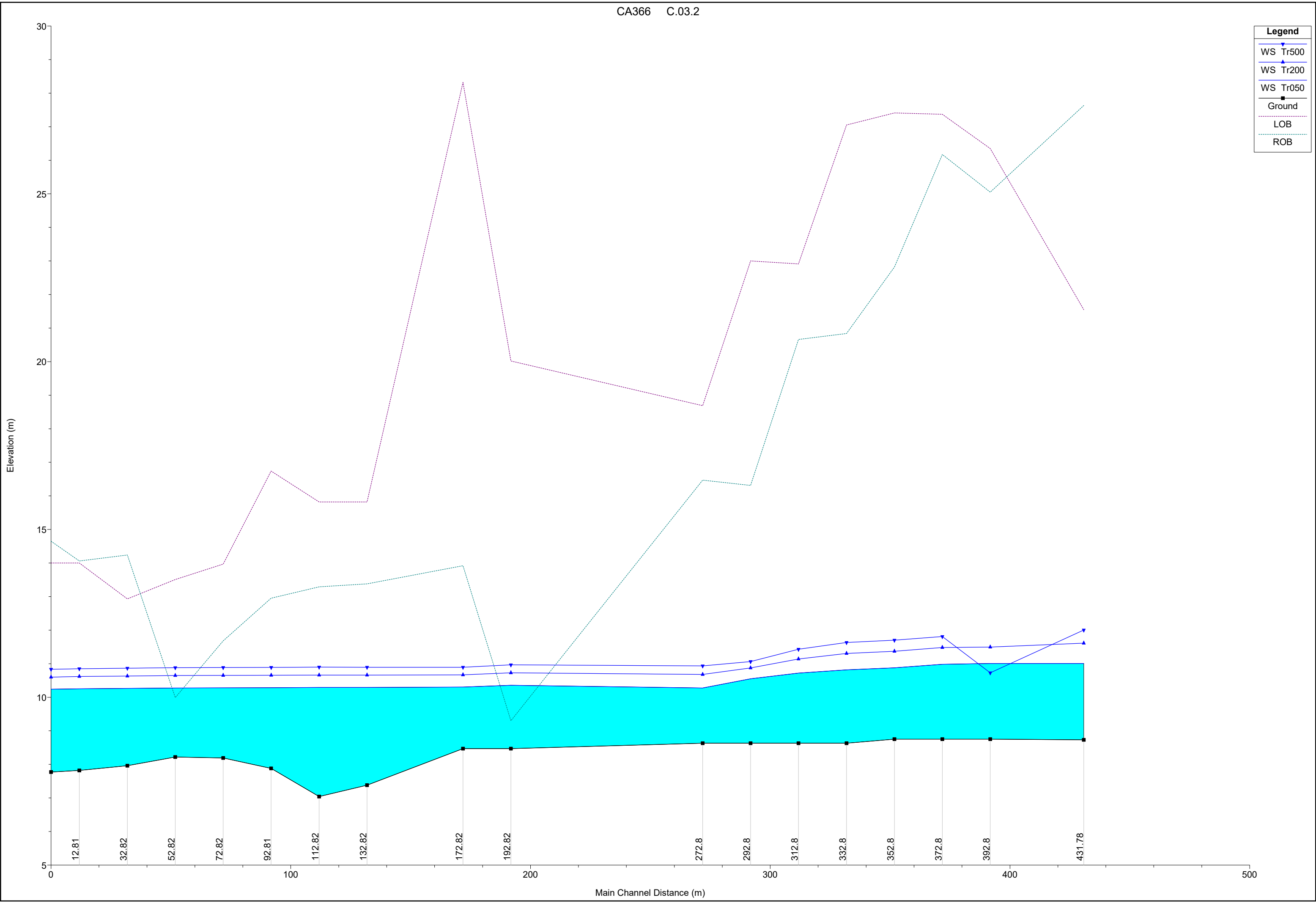
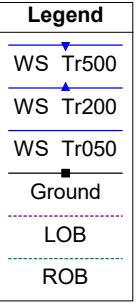
- Legend
- WS Tr500
- WS Tr200
- WS Tr050
- Ground
- LOB
- ROB
- Left Levee
- Right Levee

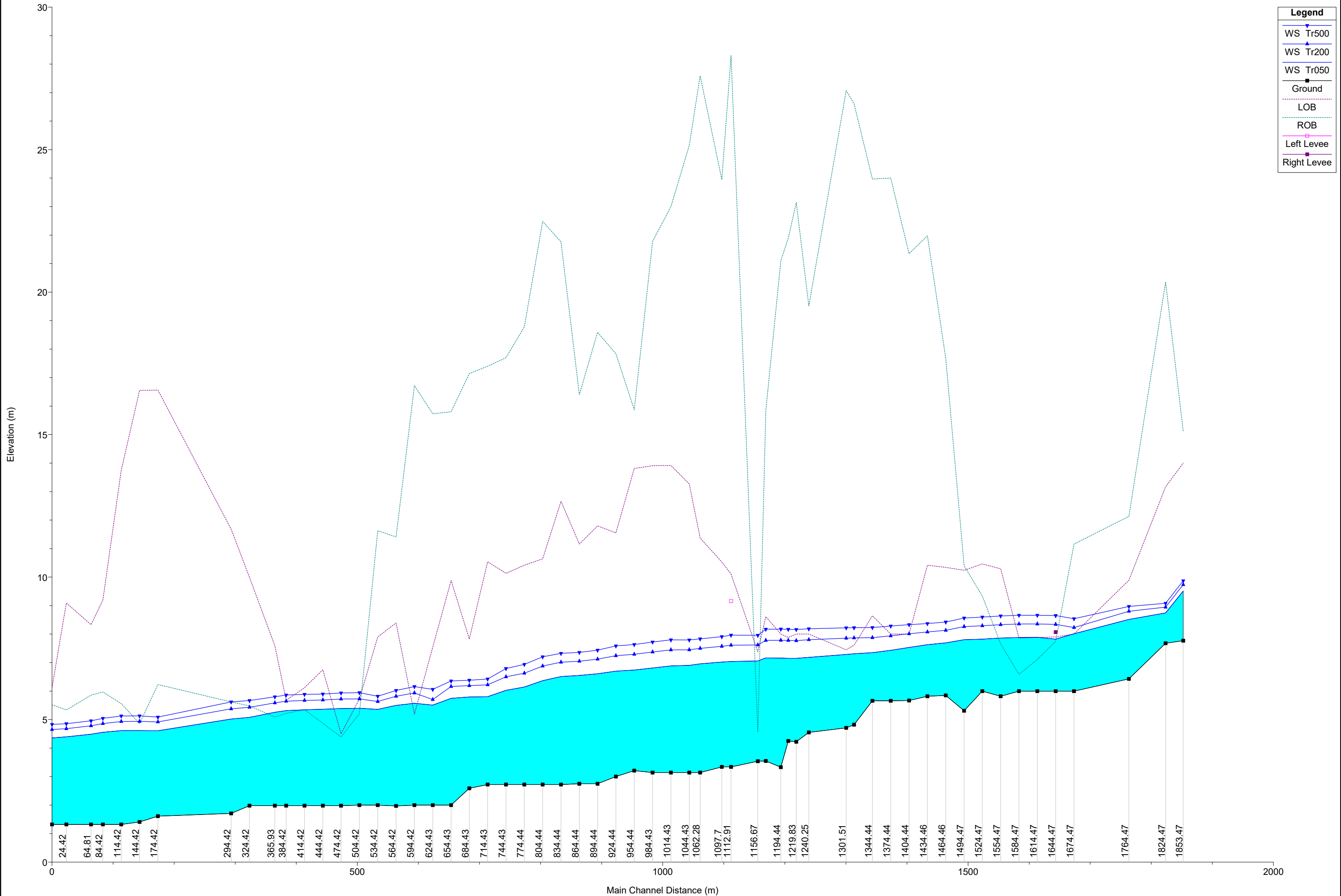
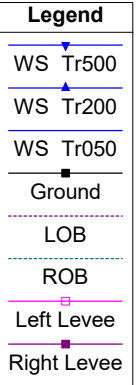


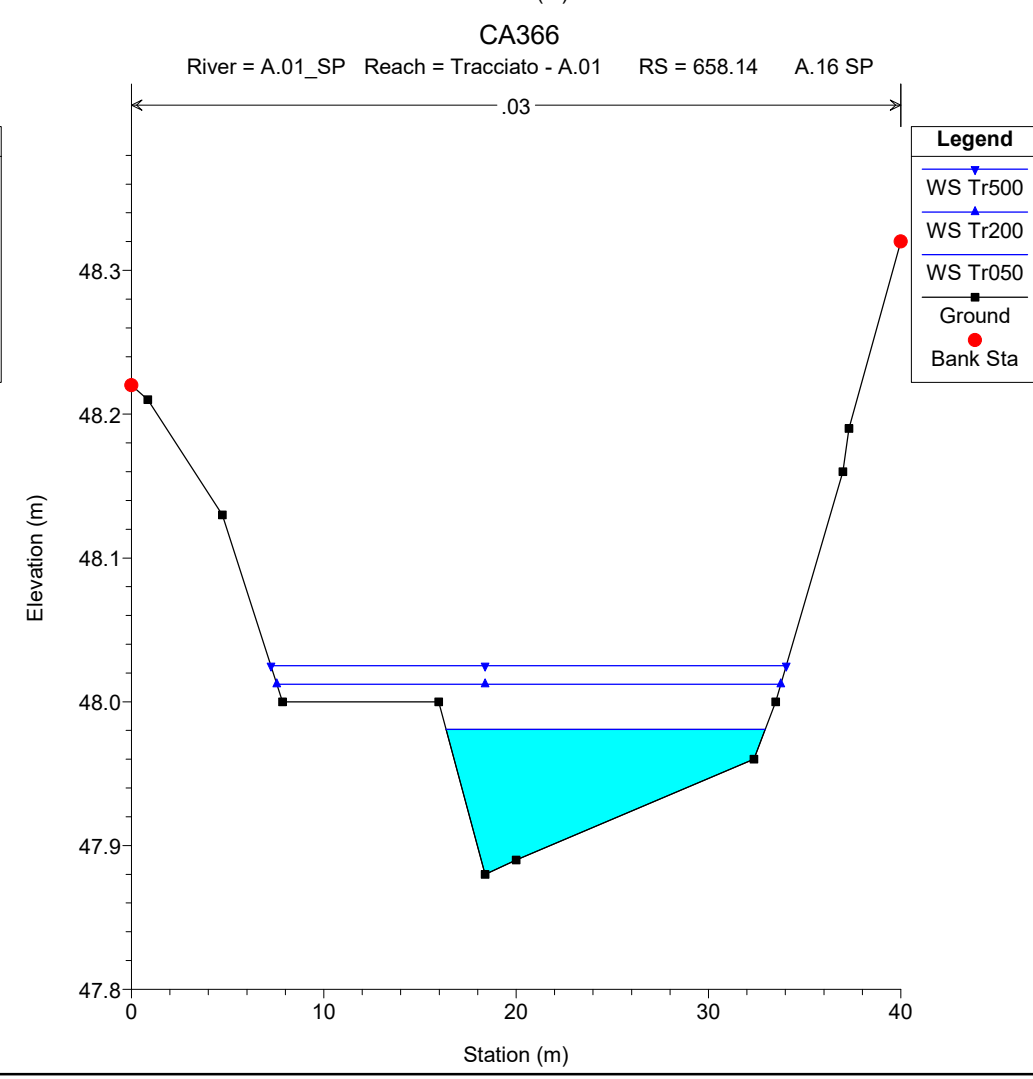
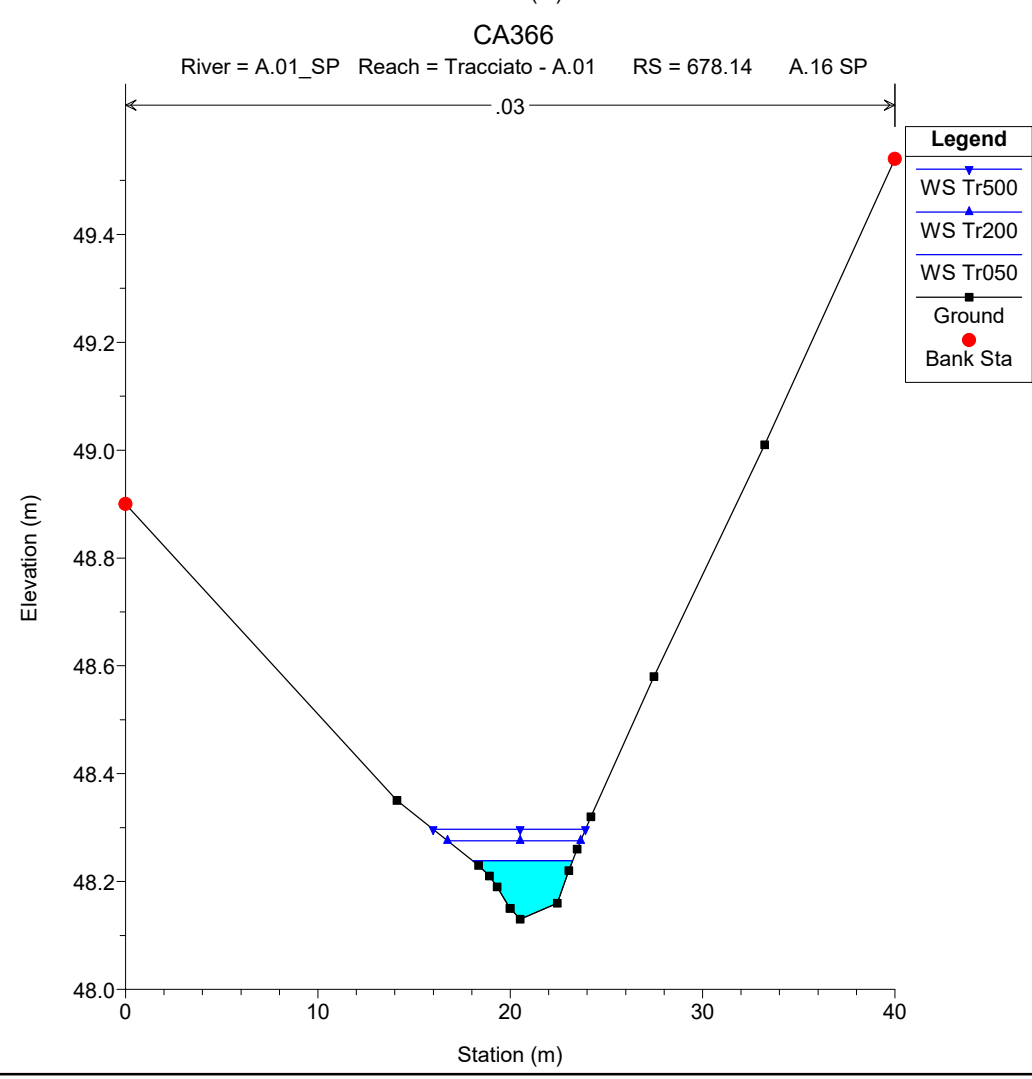
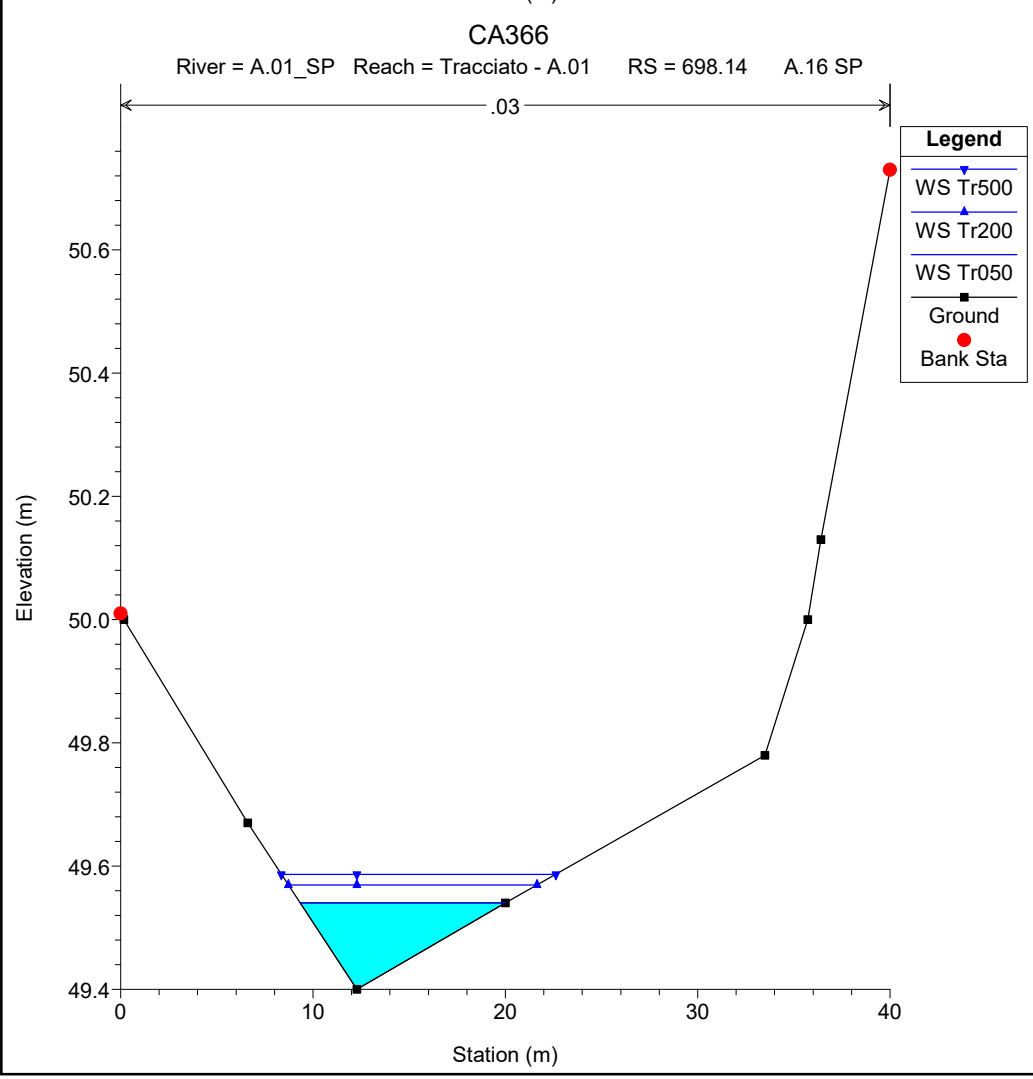
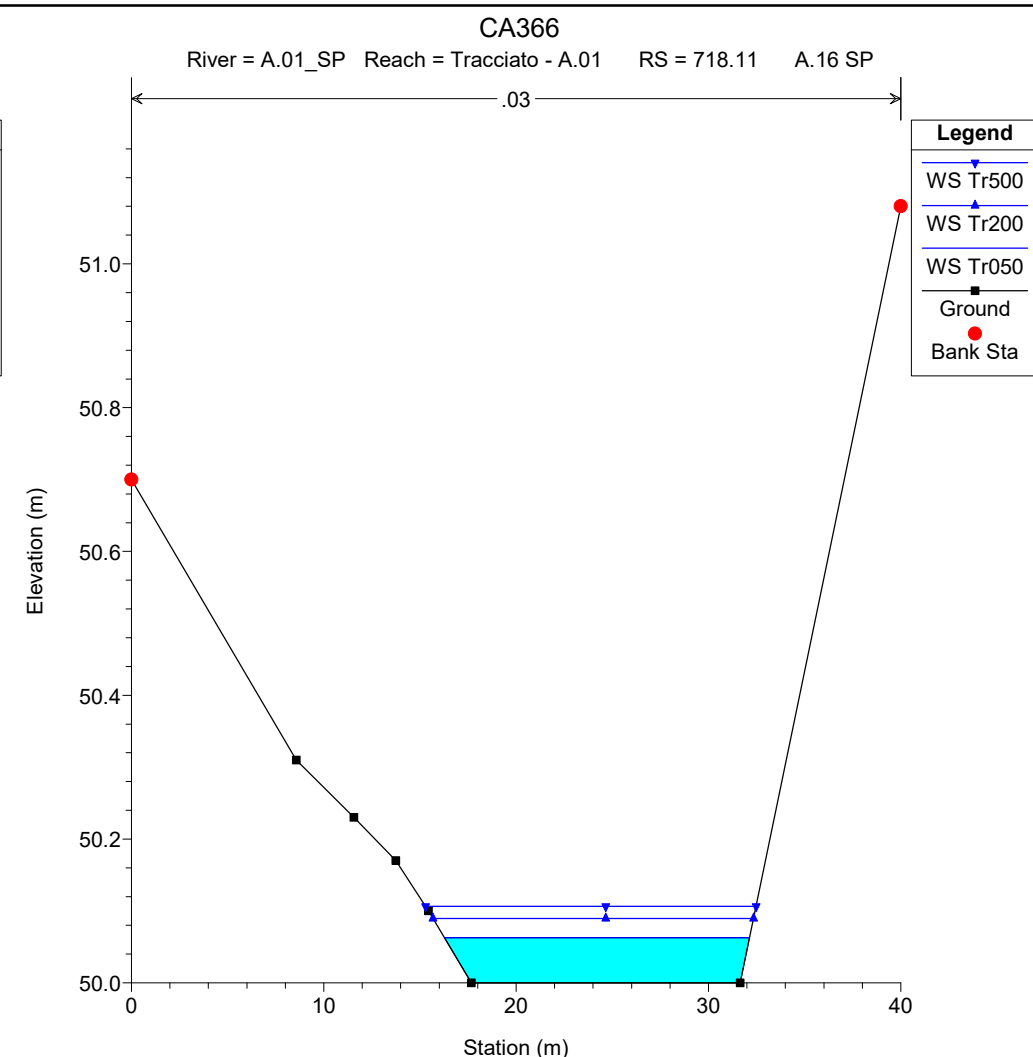
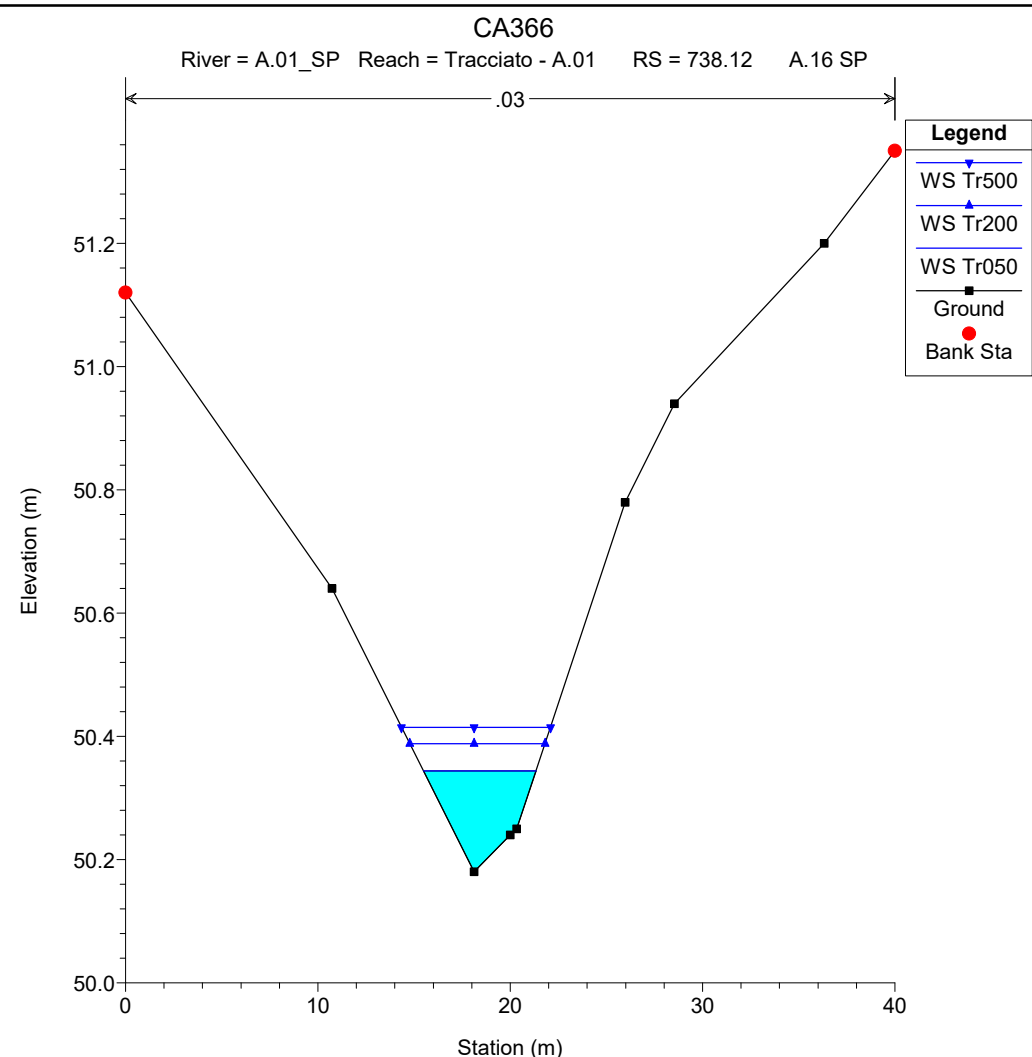
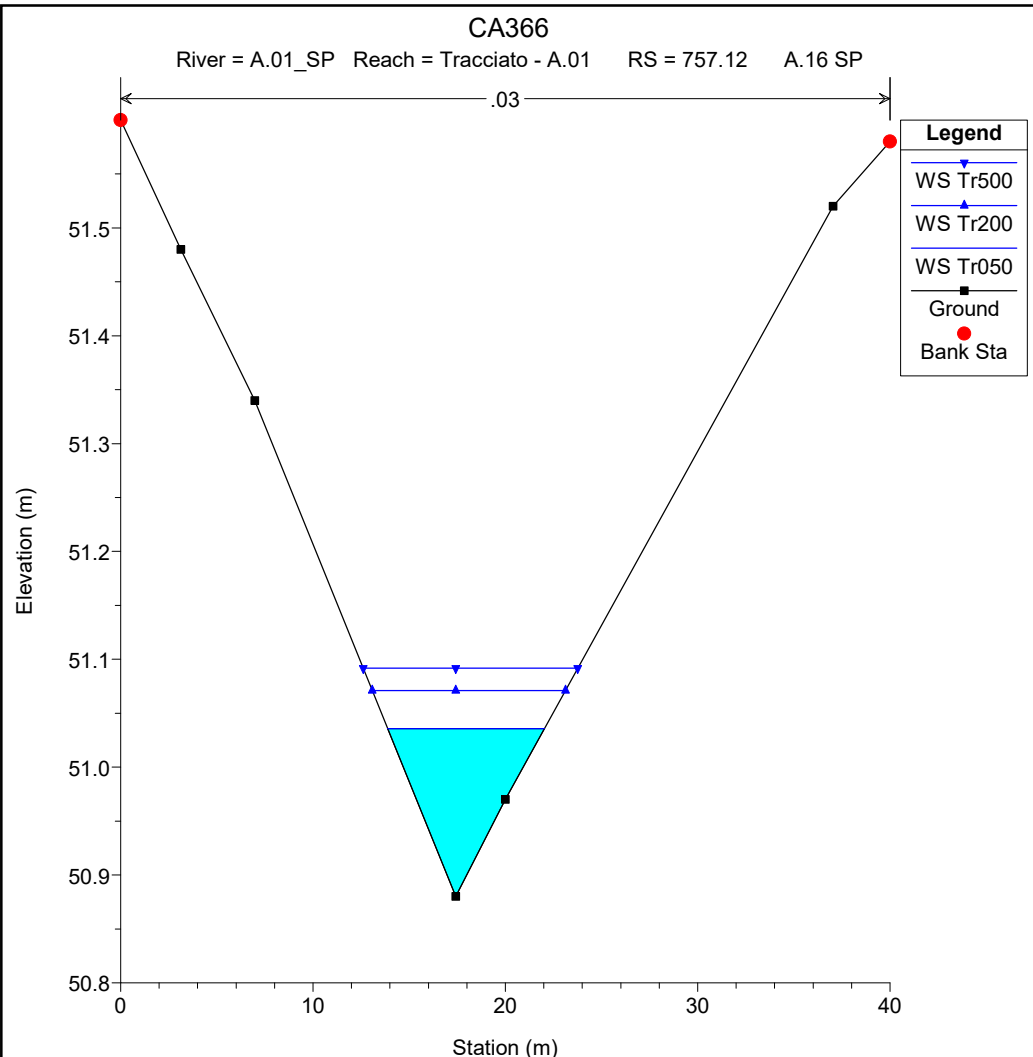


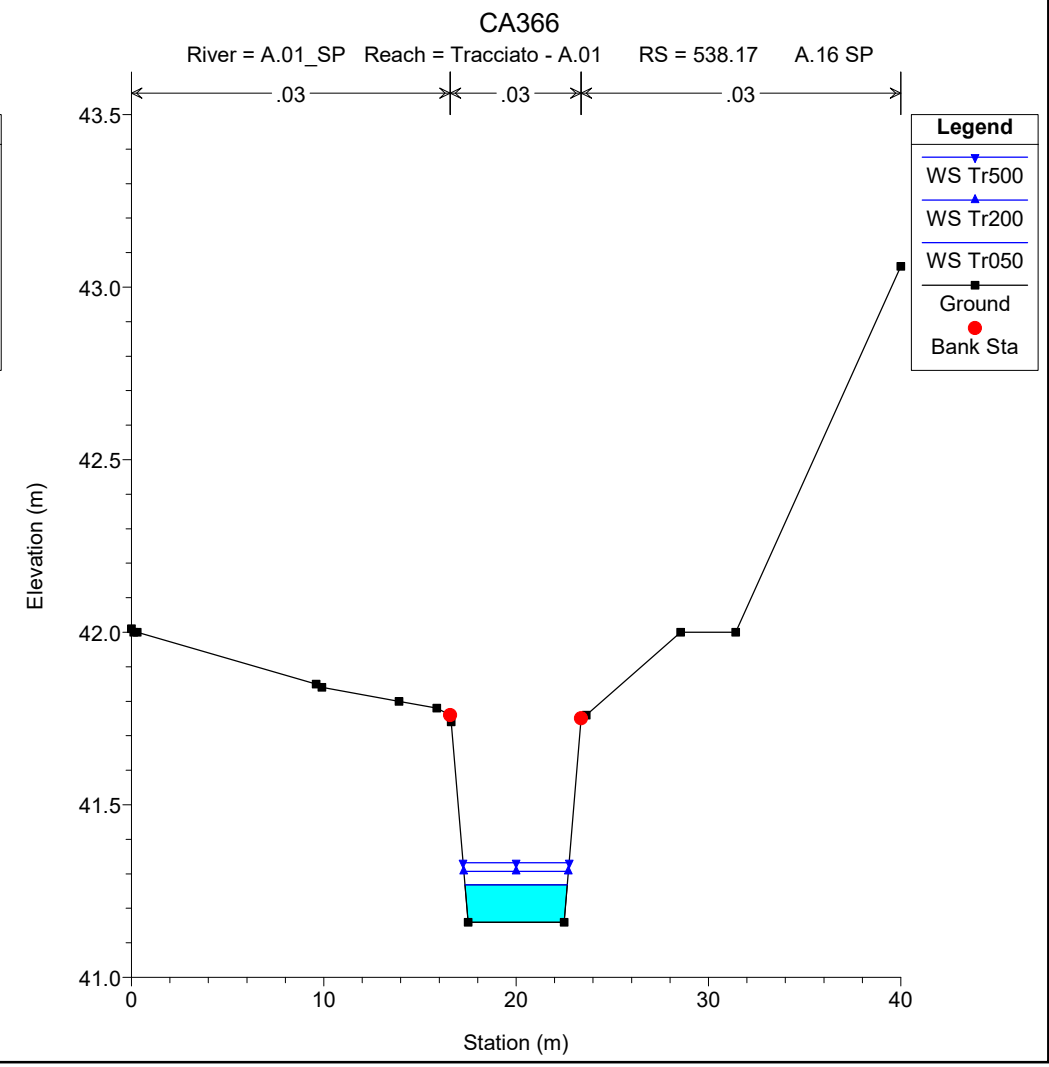
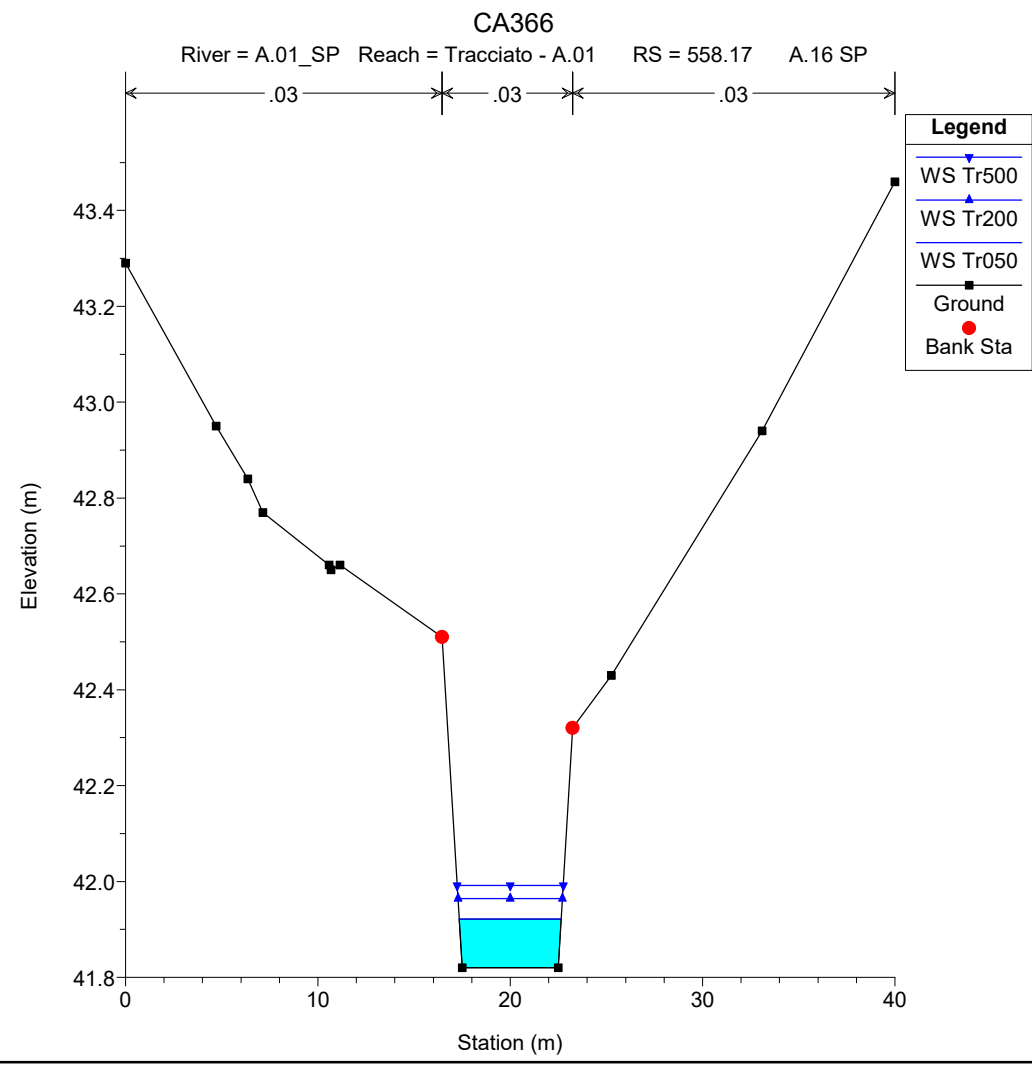
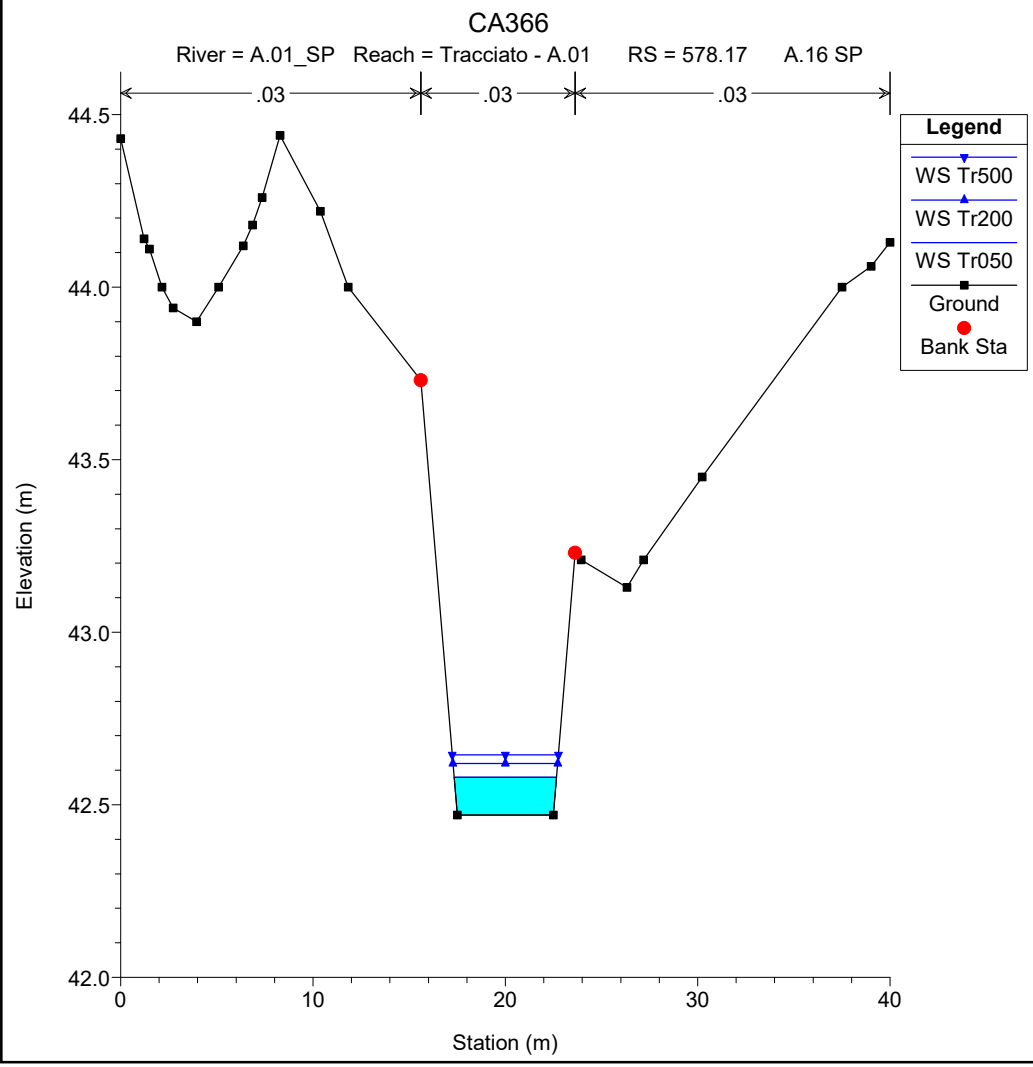
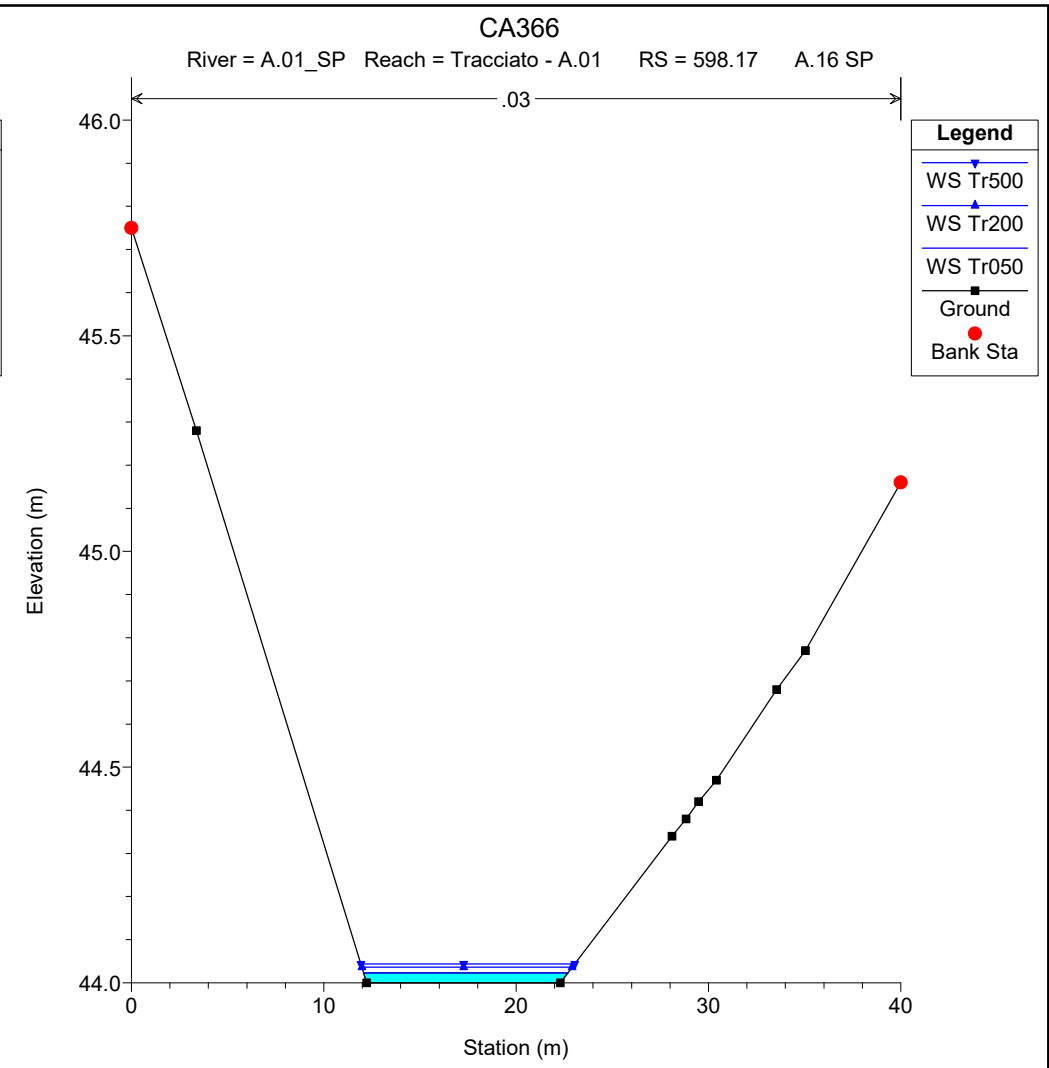
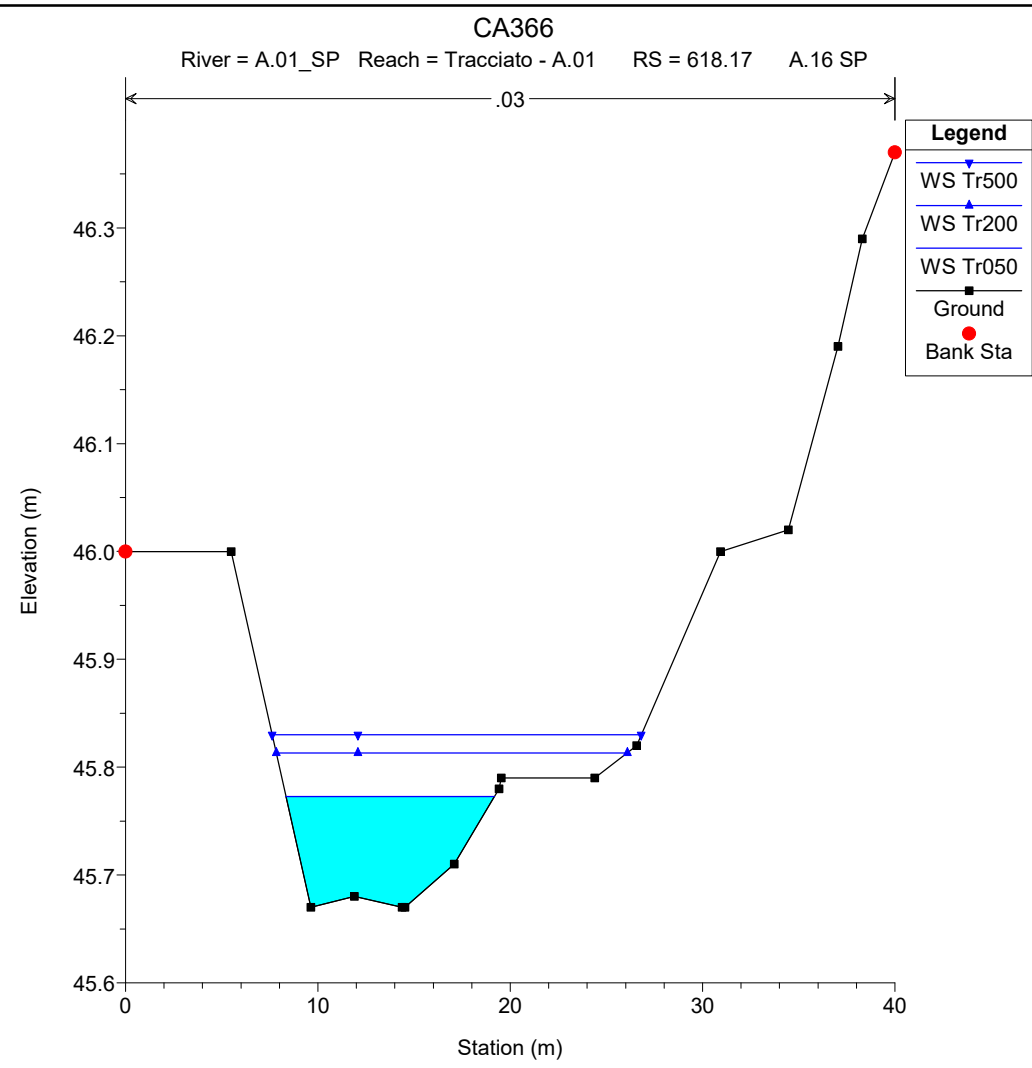
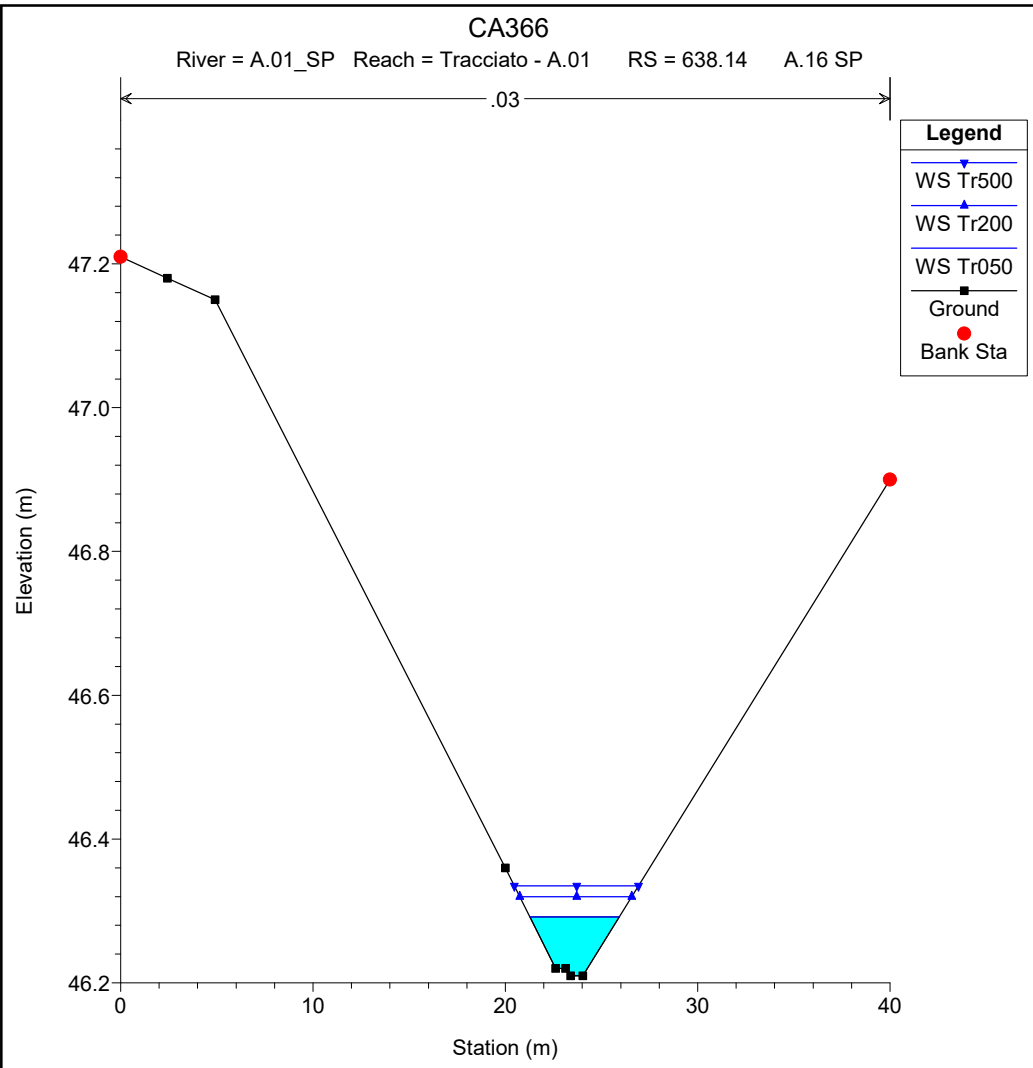


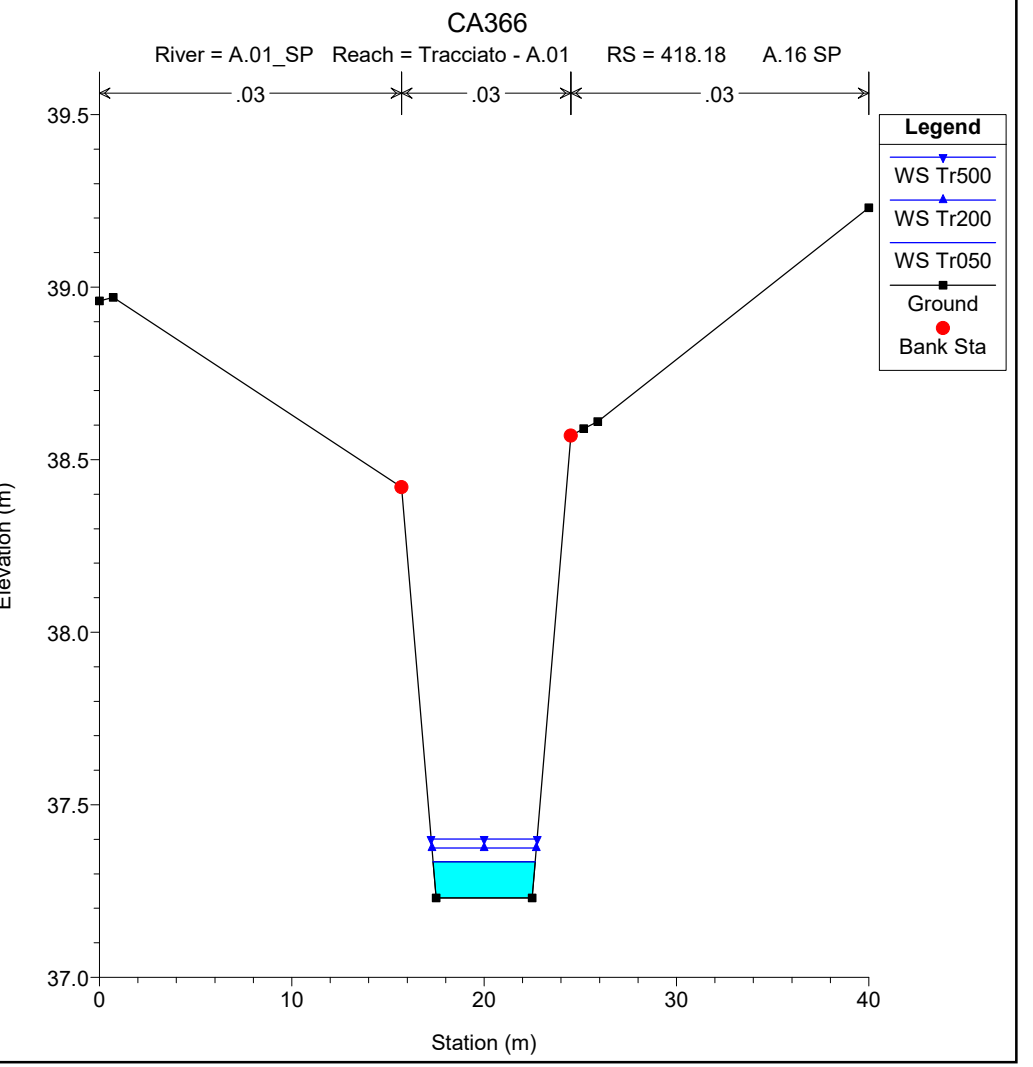
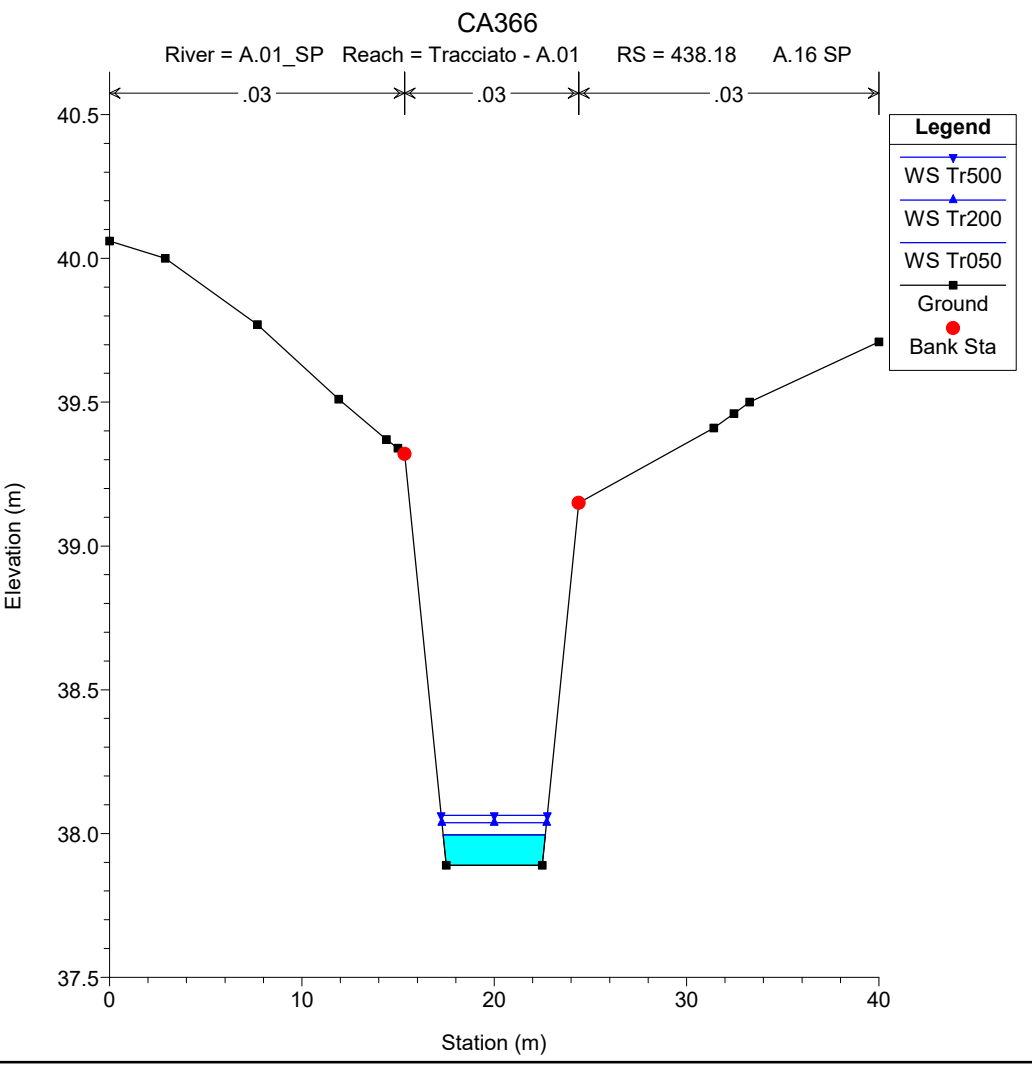
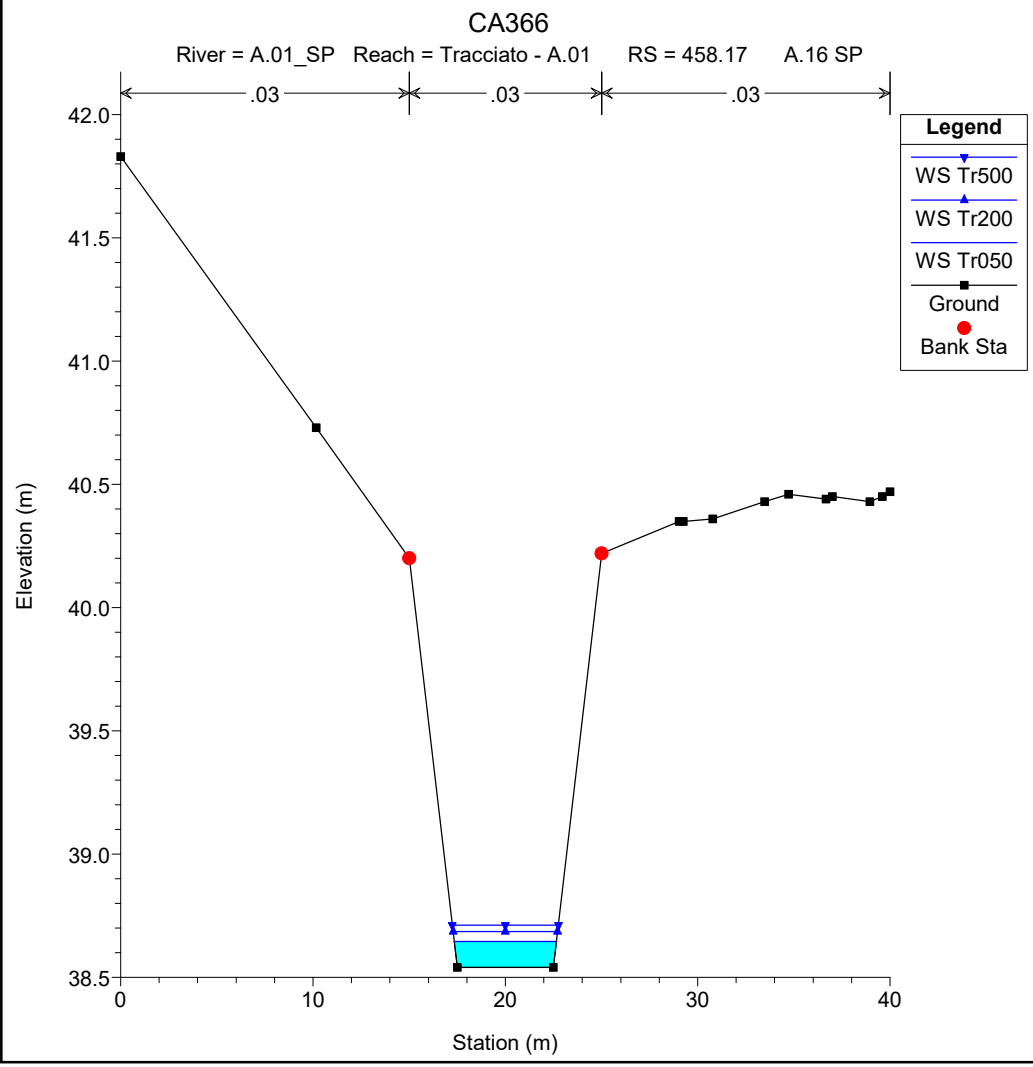
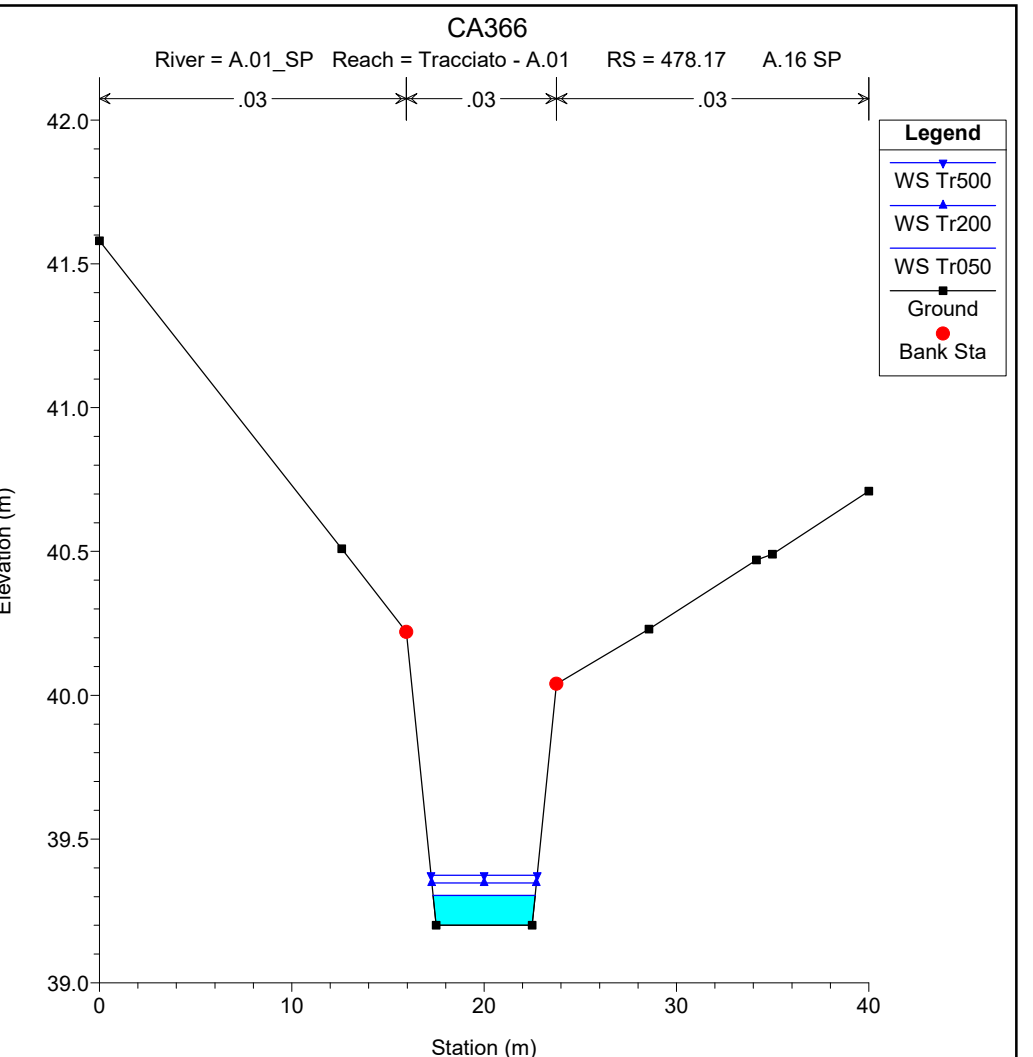
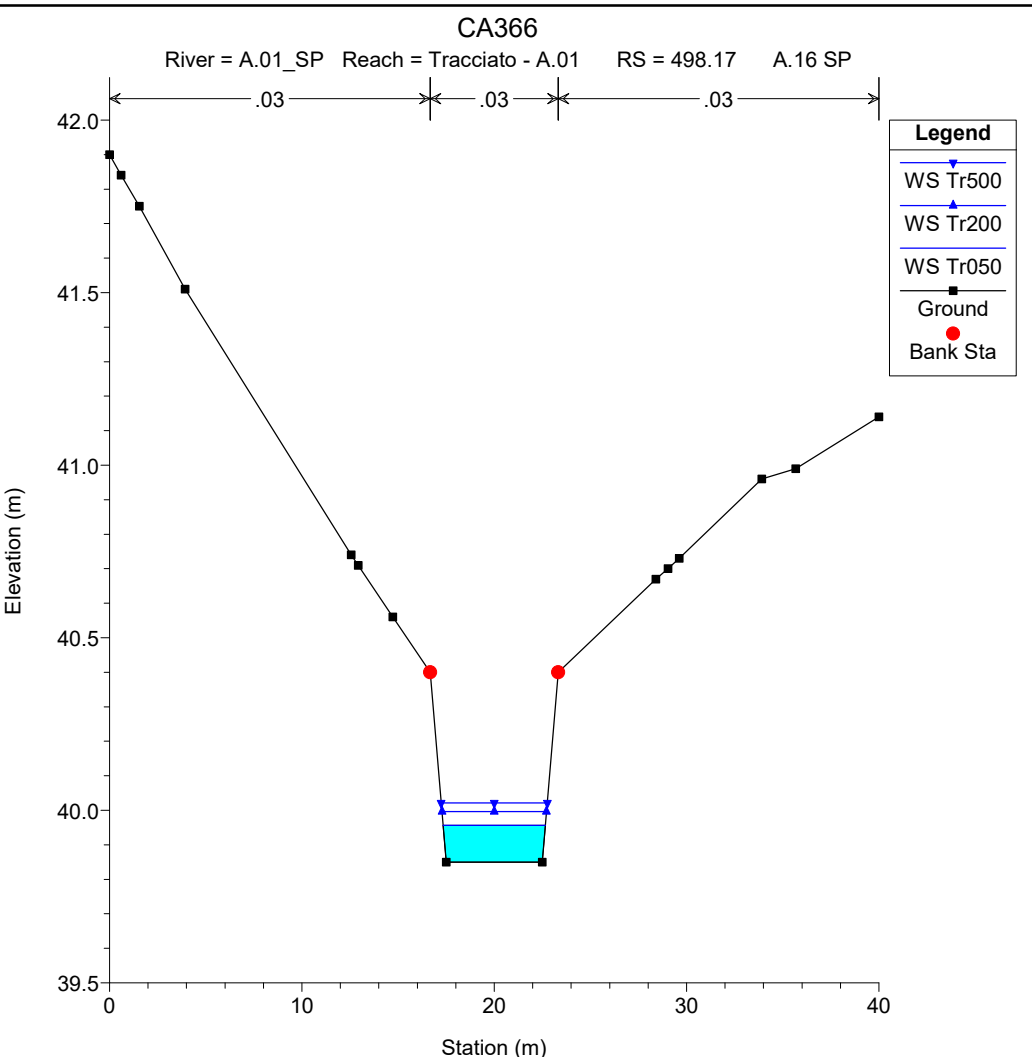
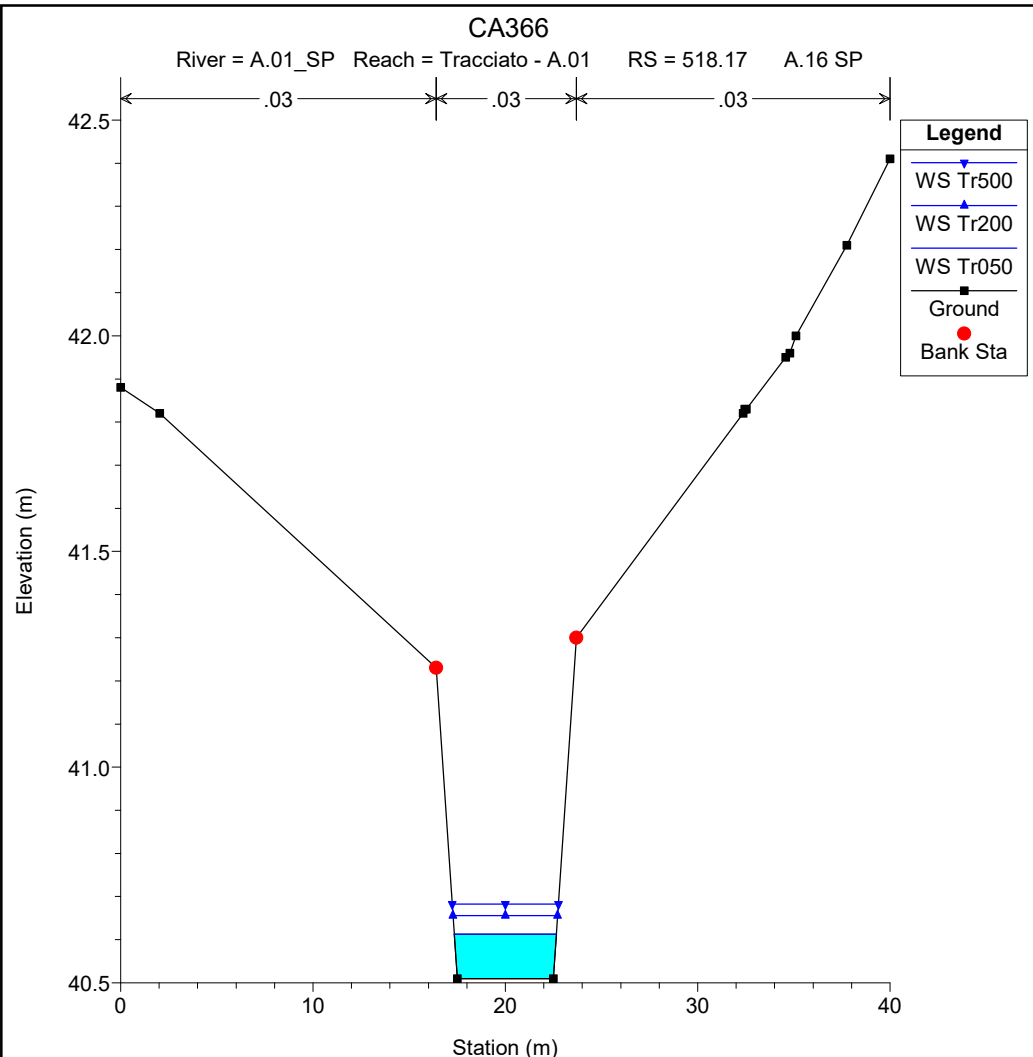


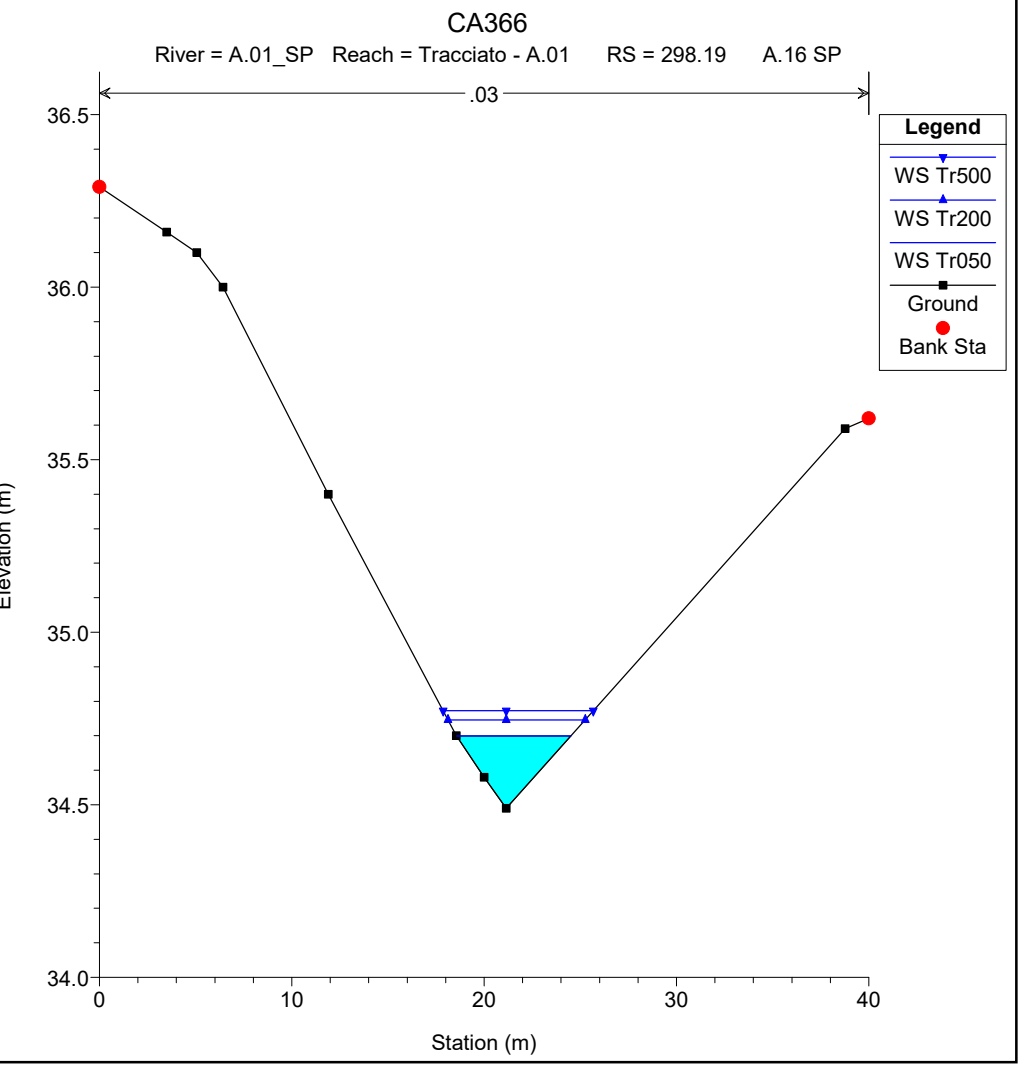
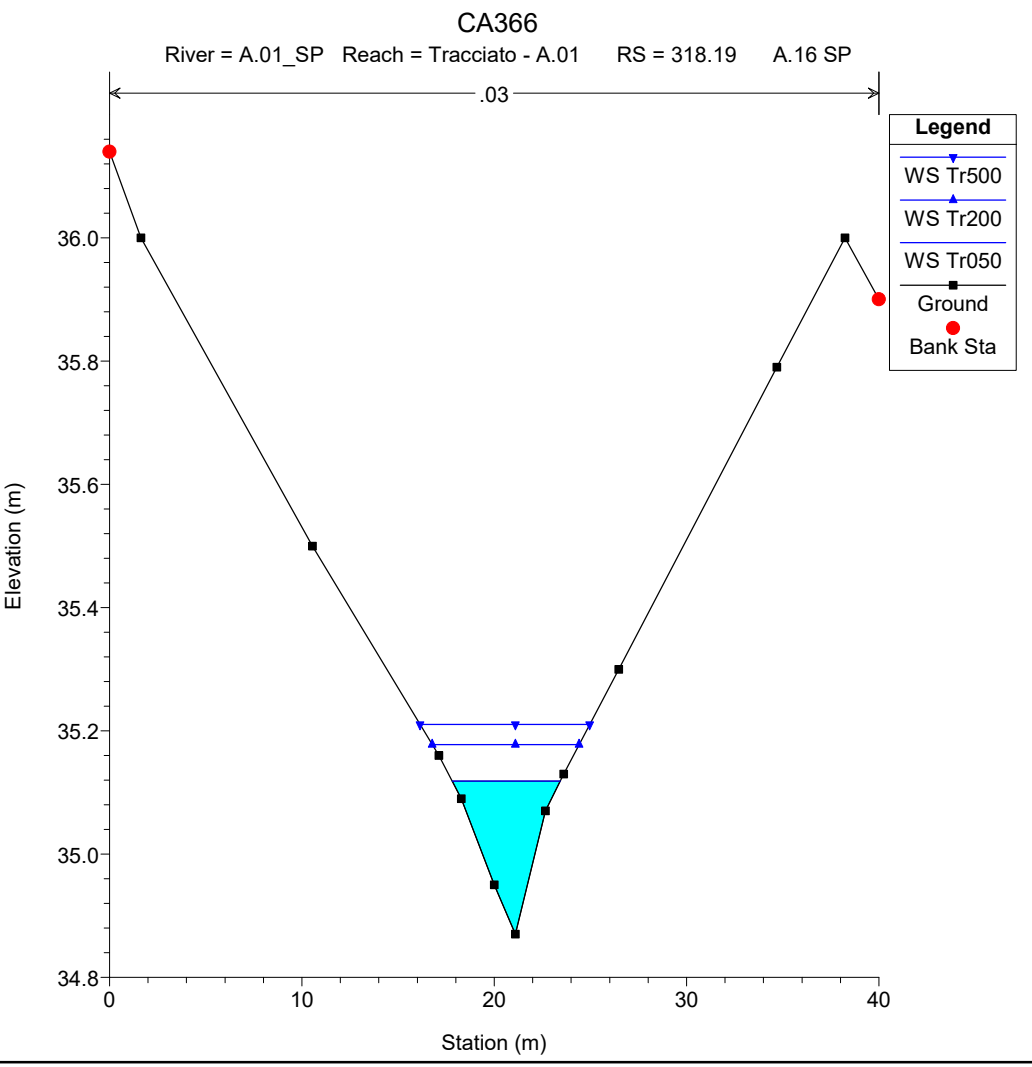
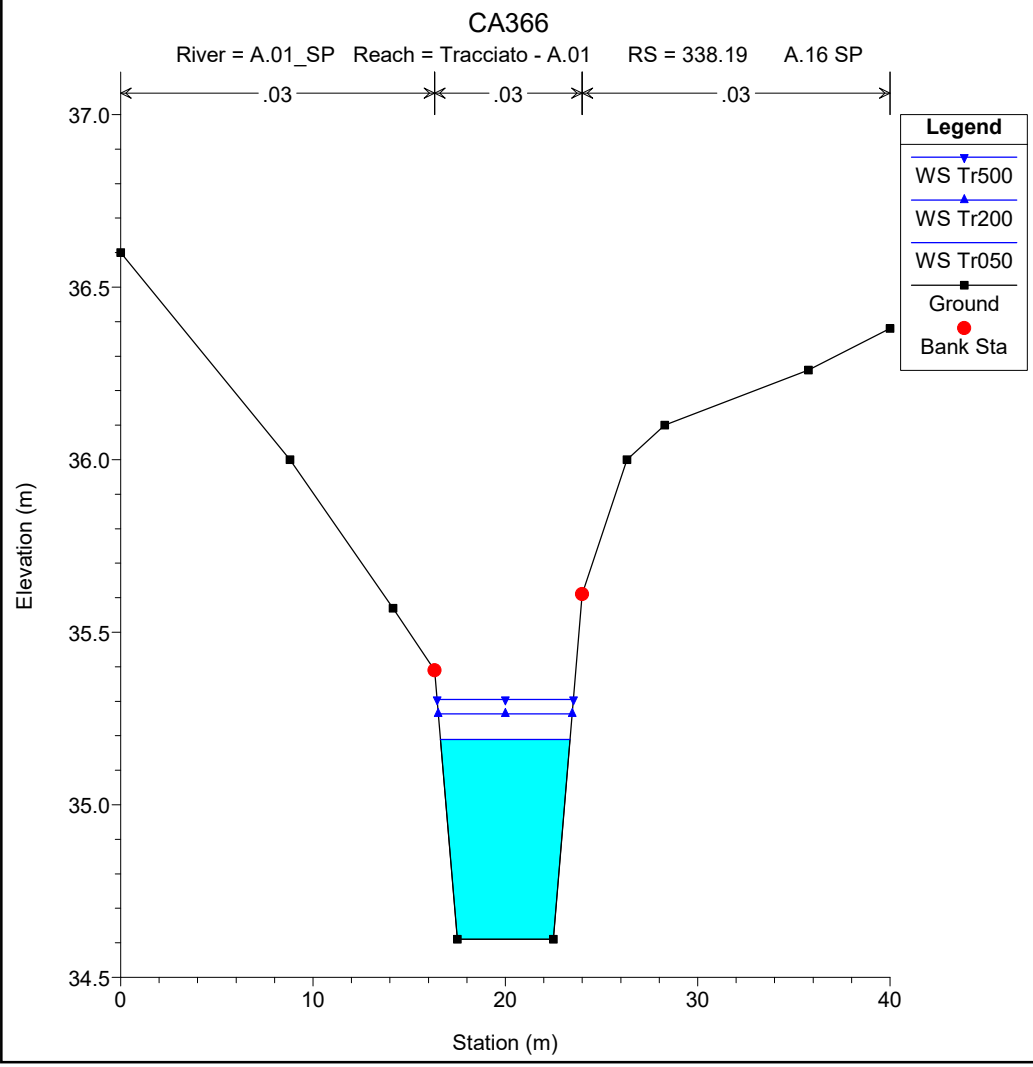
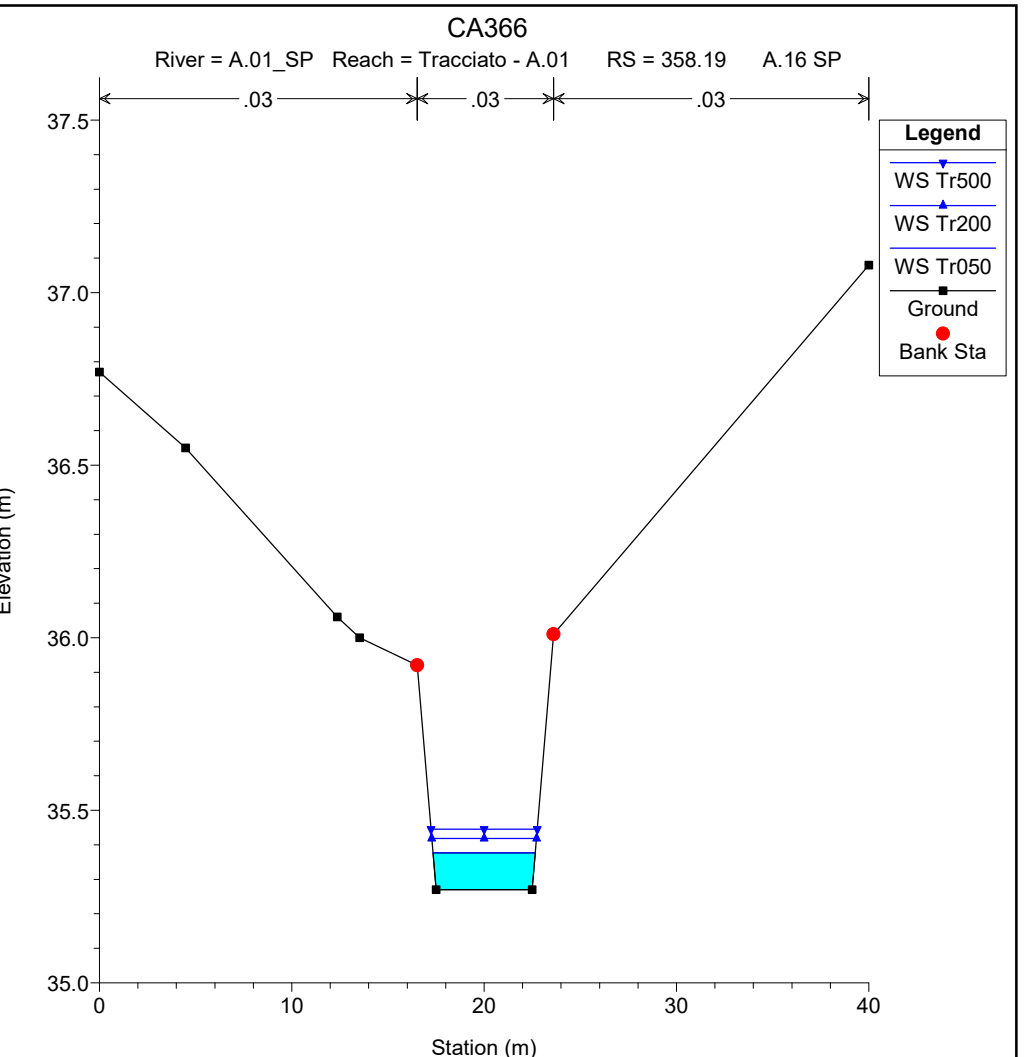
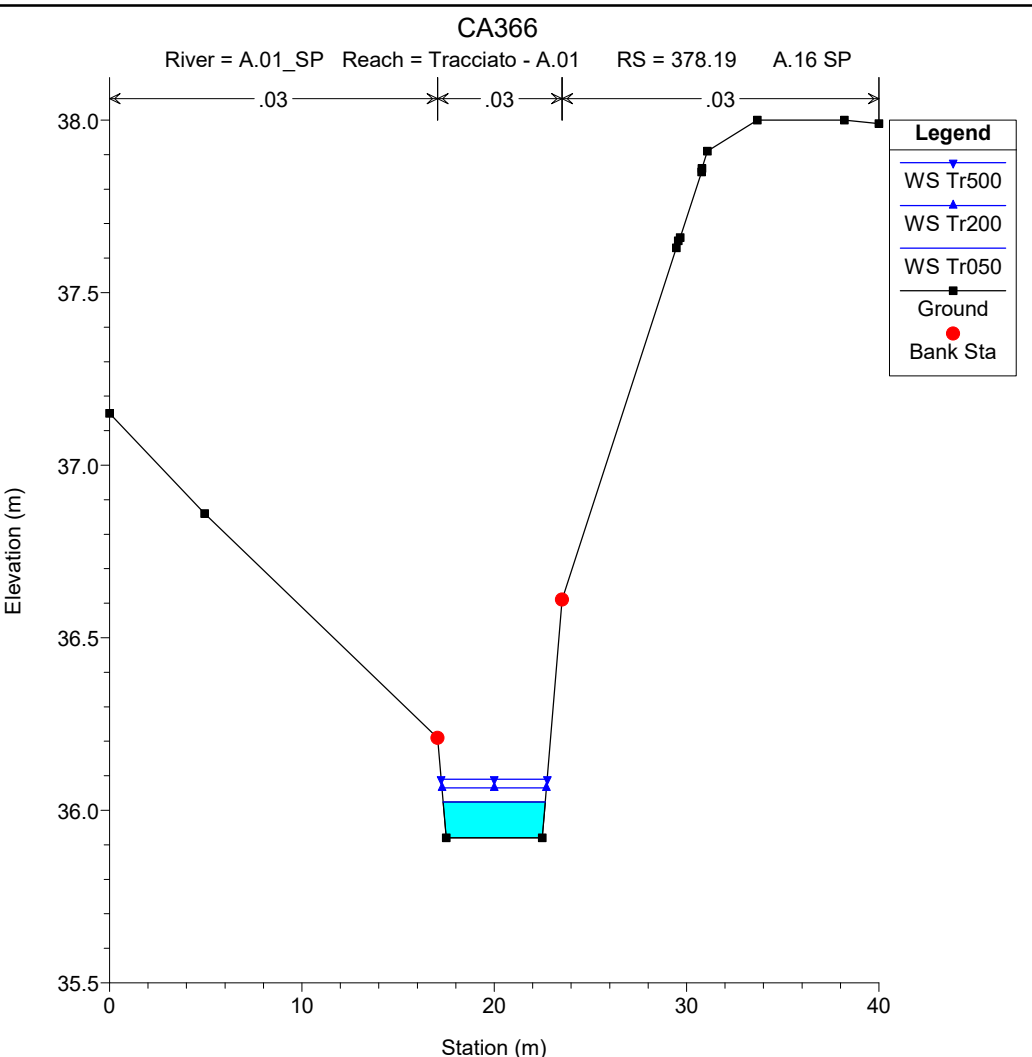
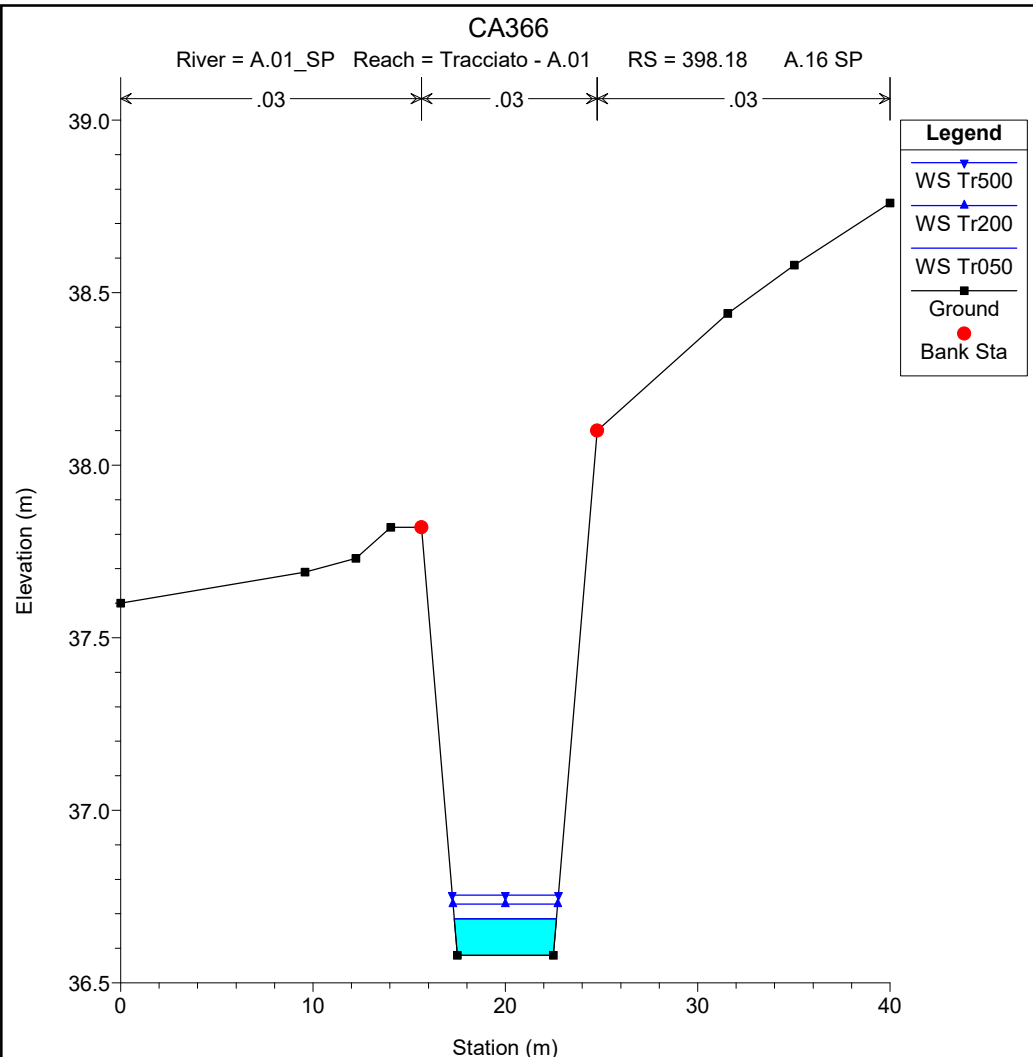


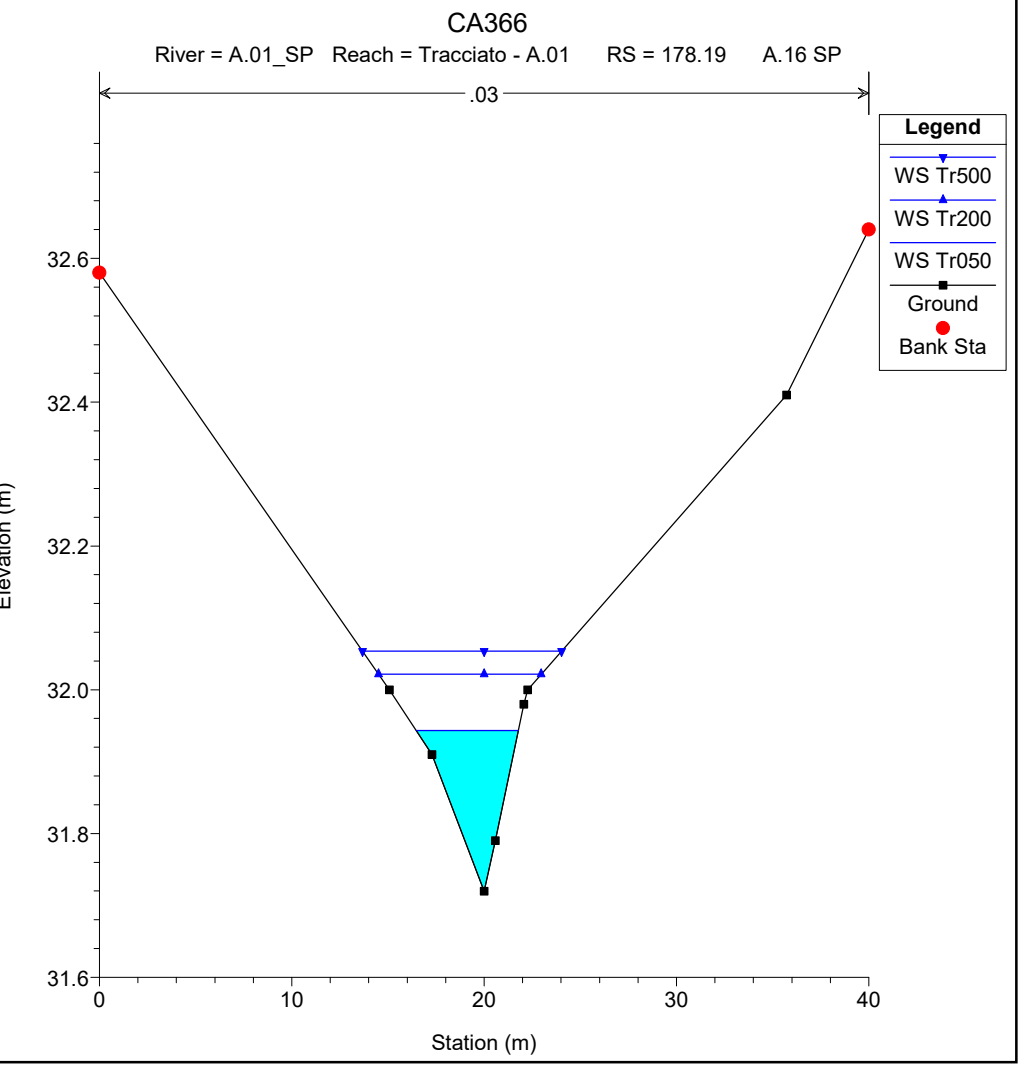
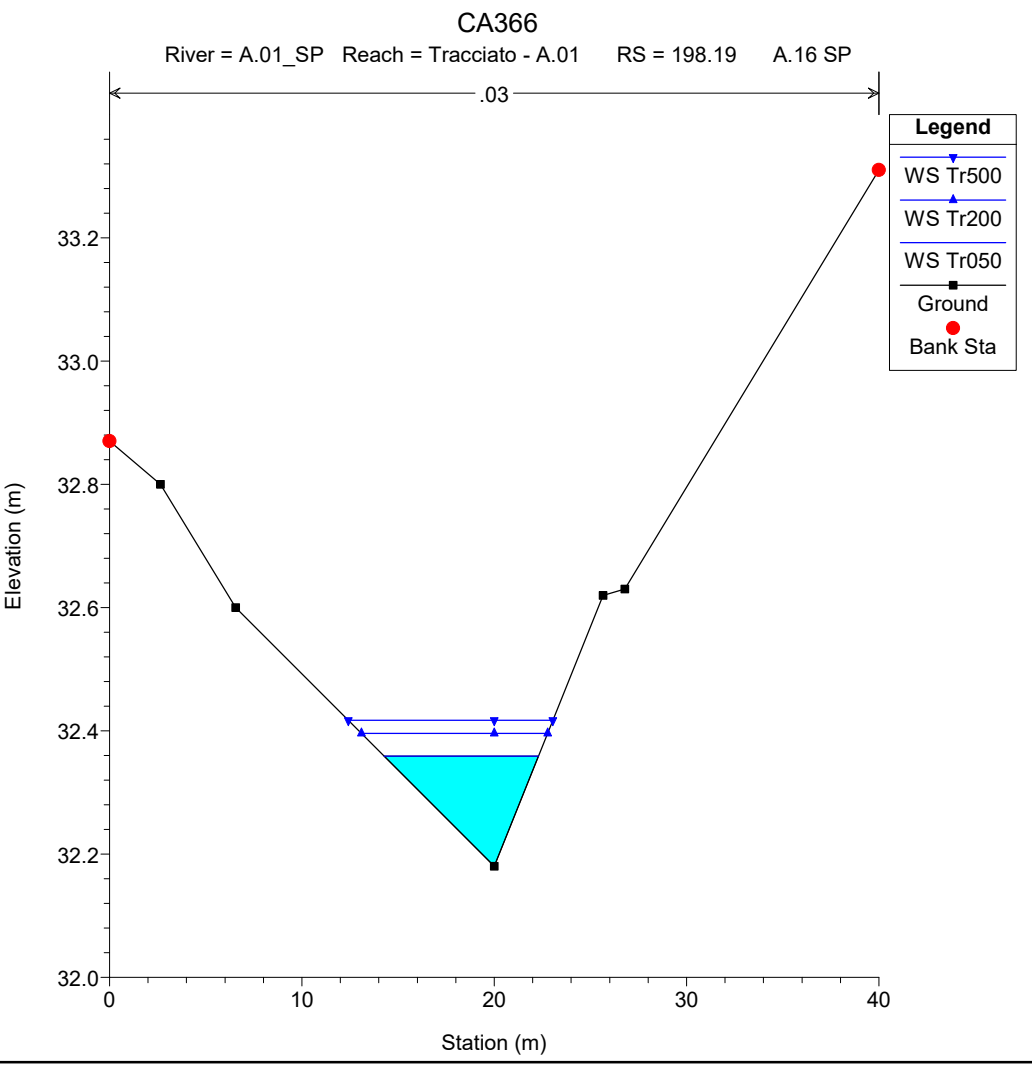
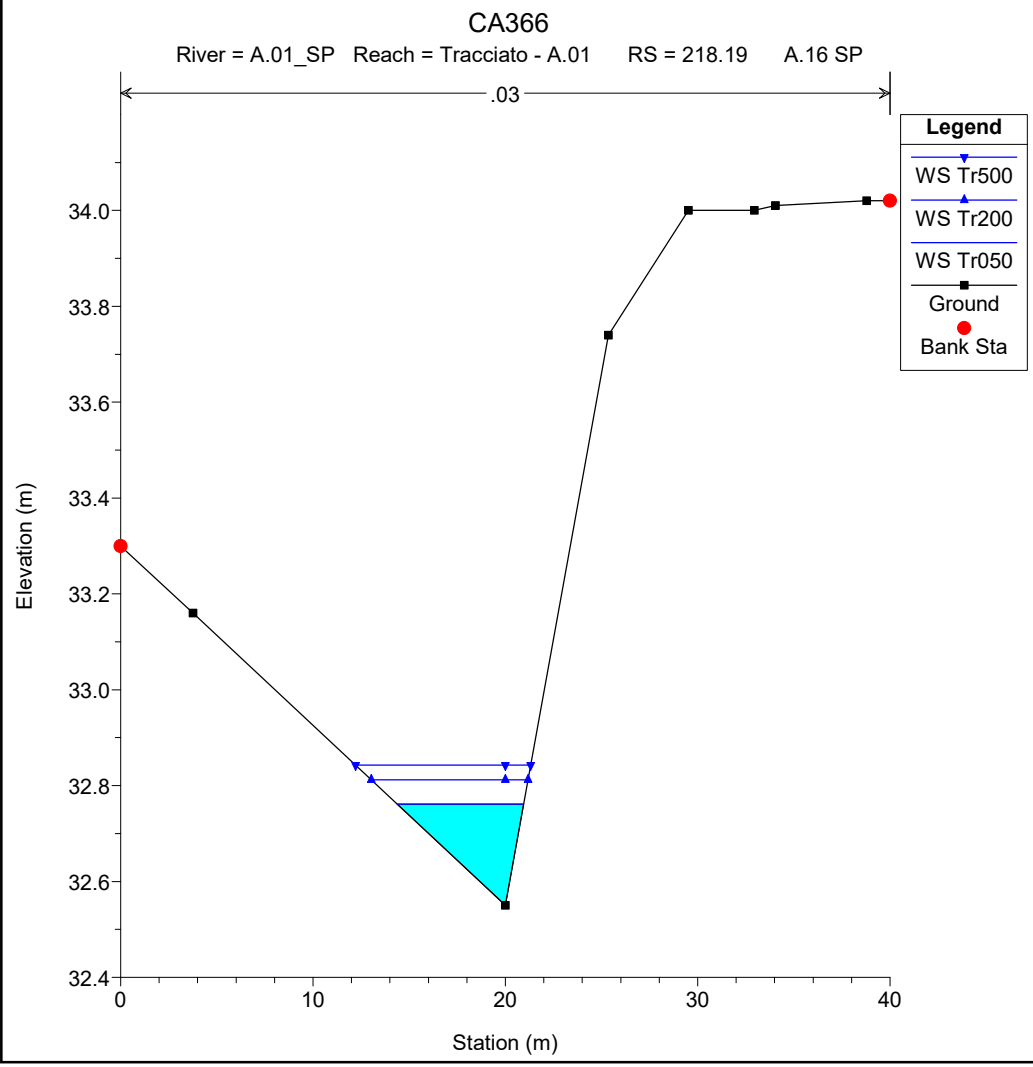
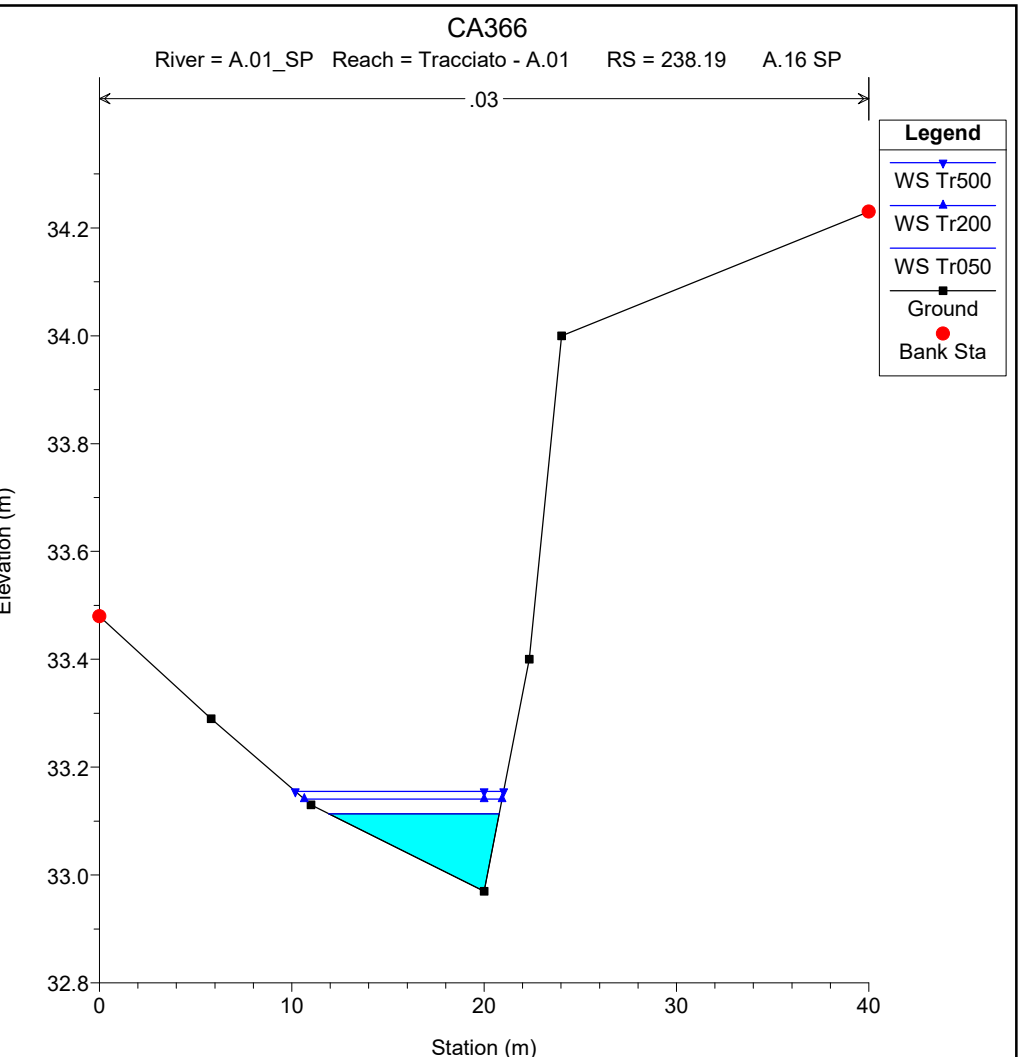
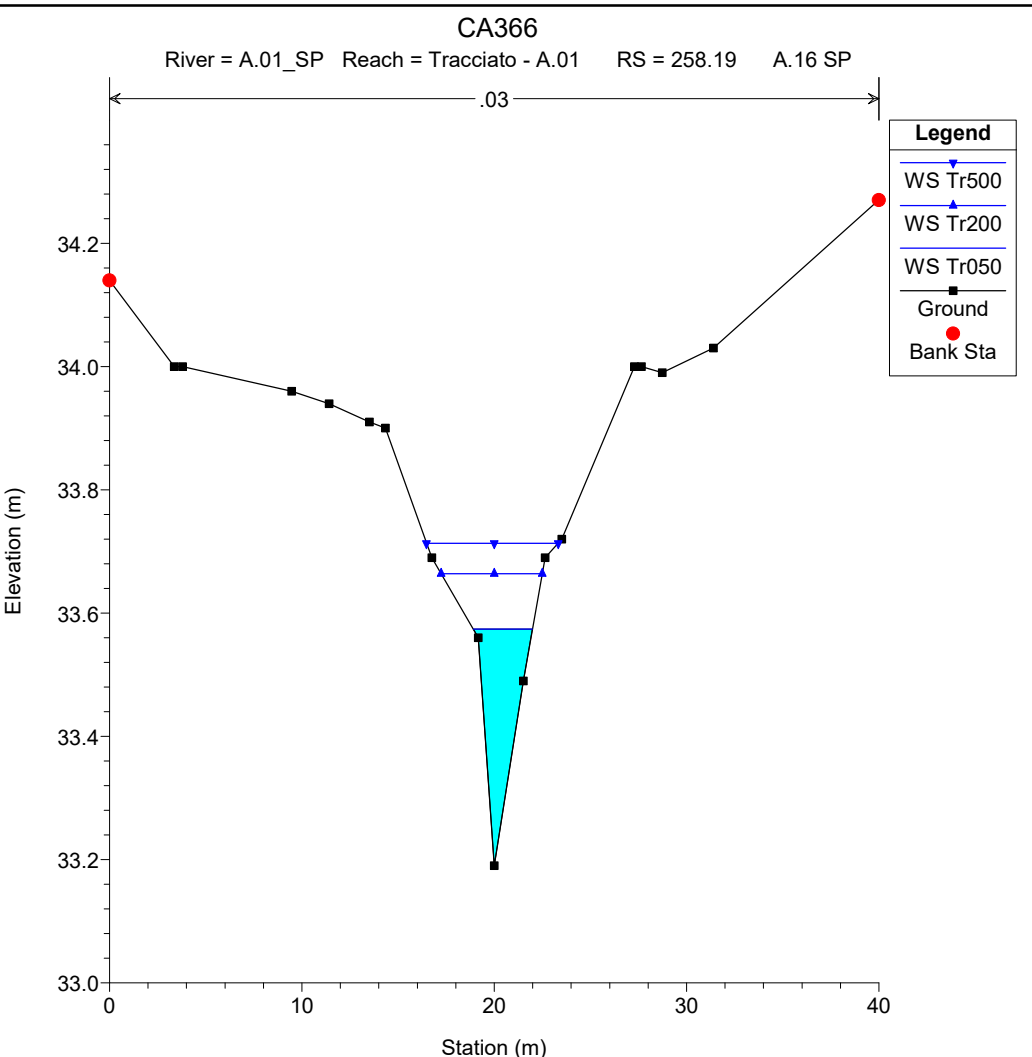
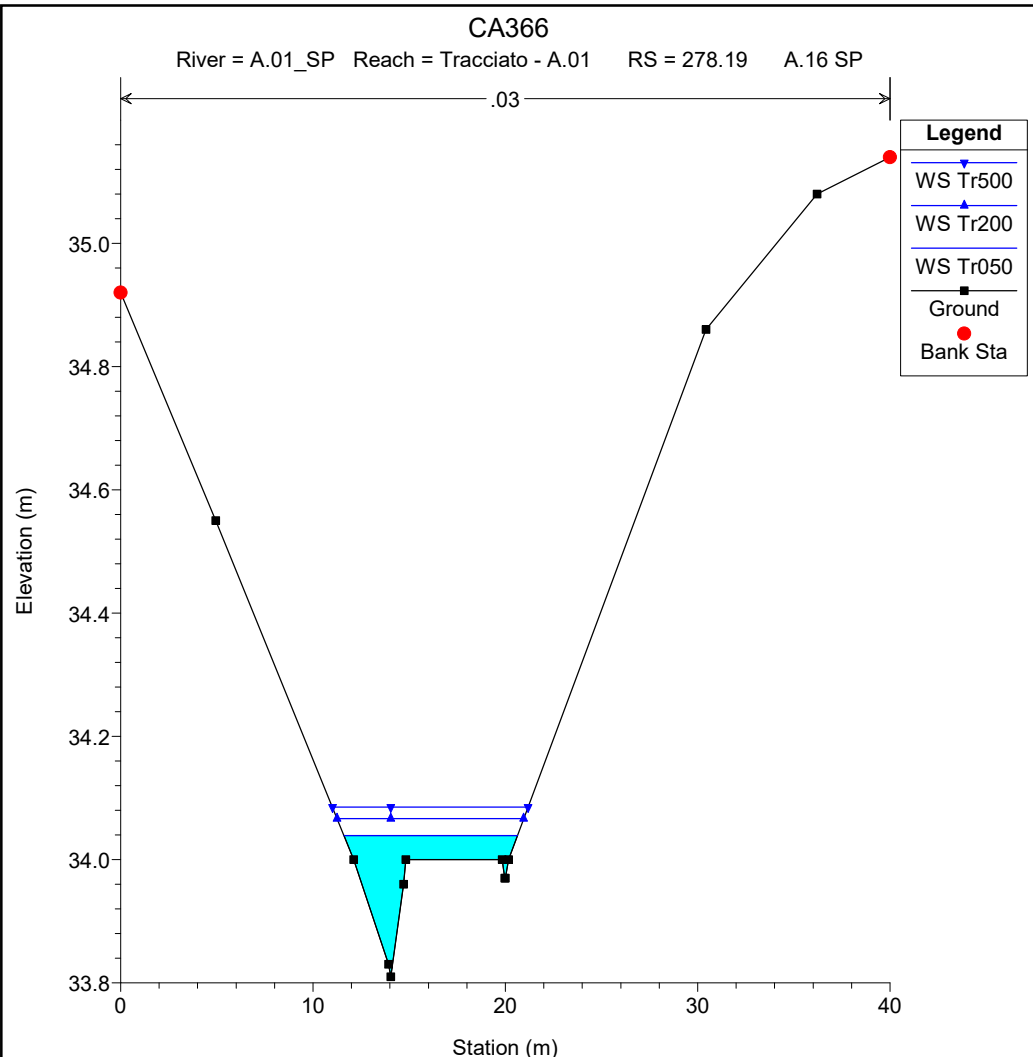


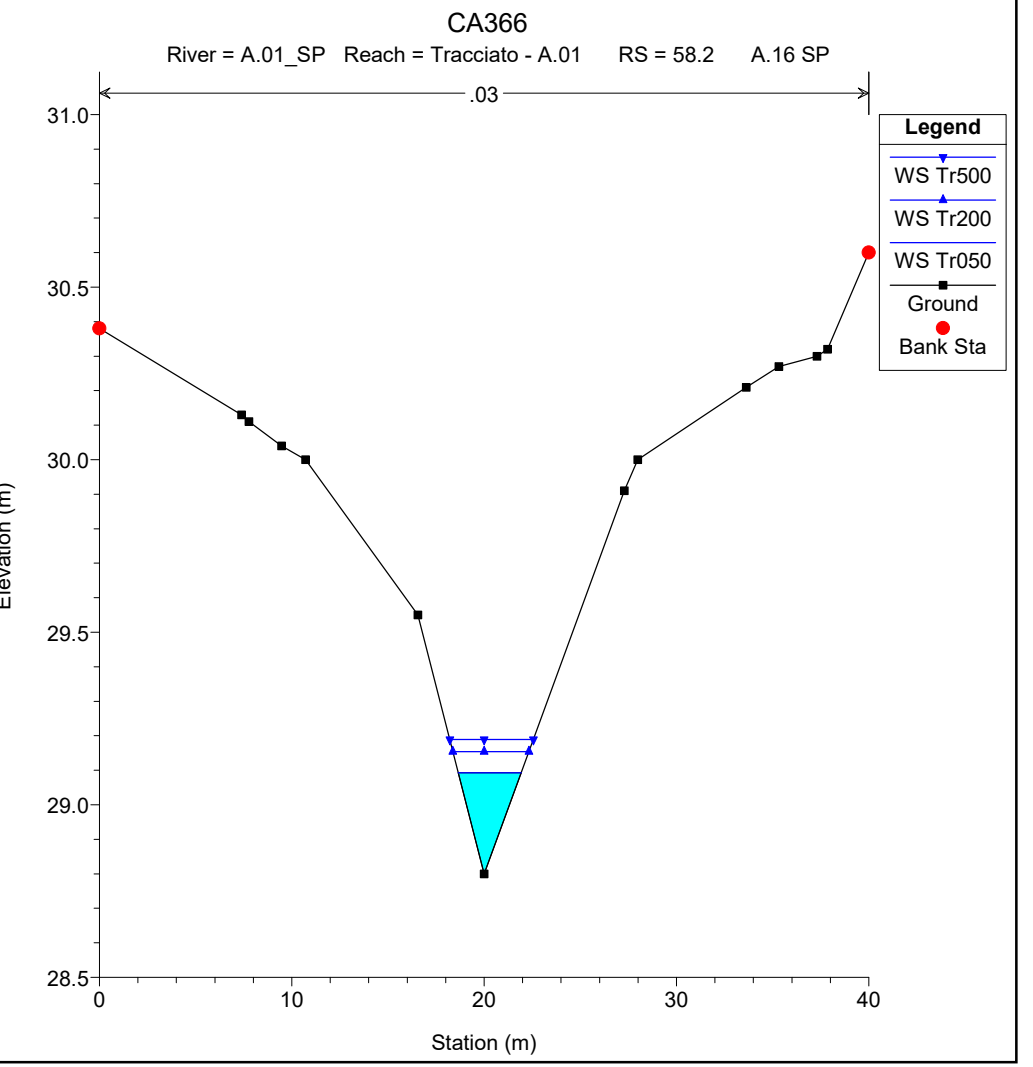
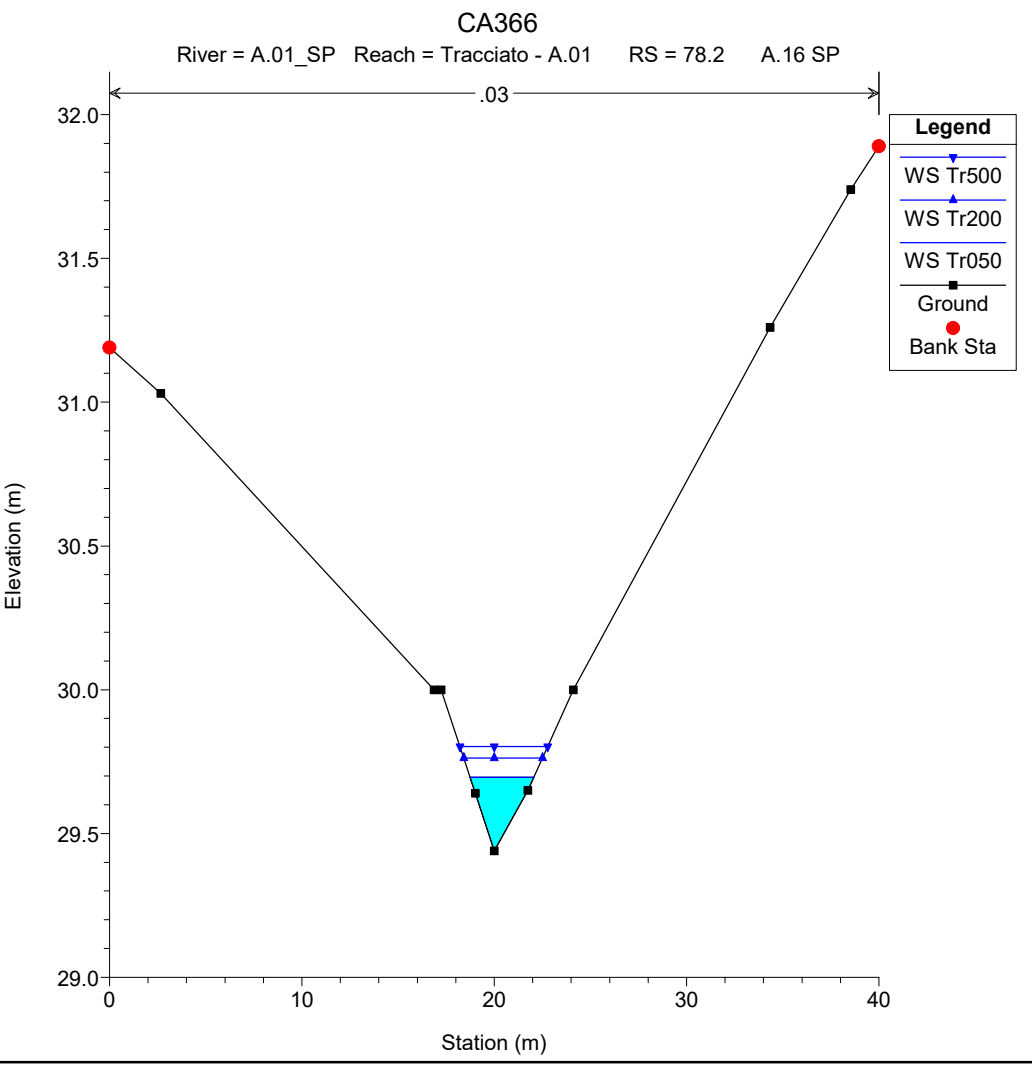
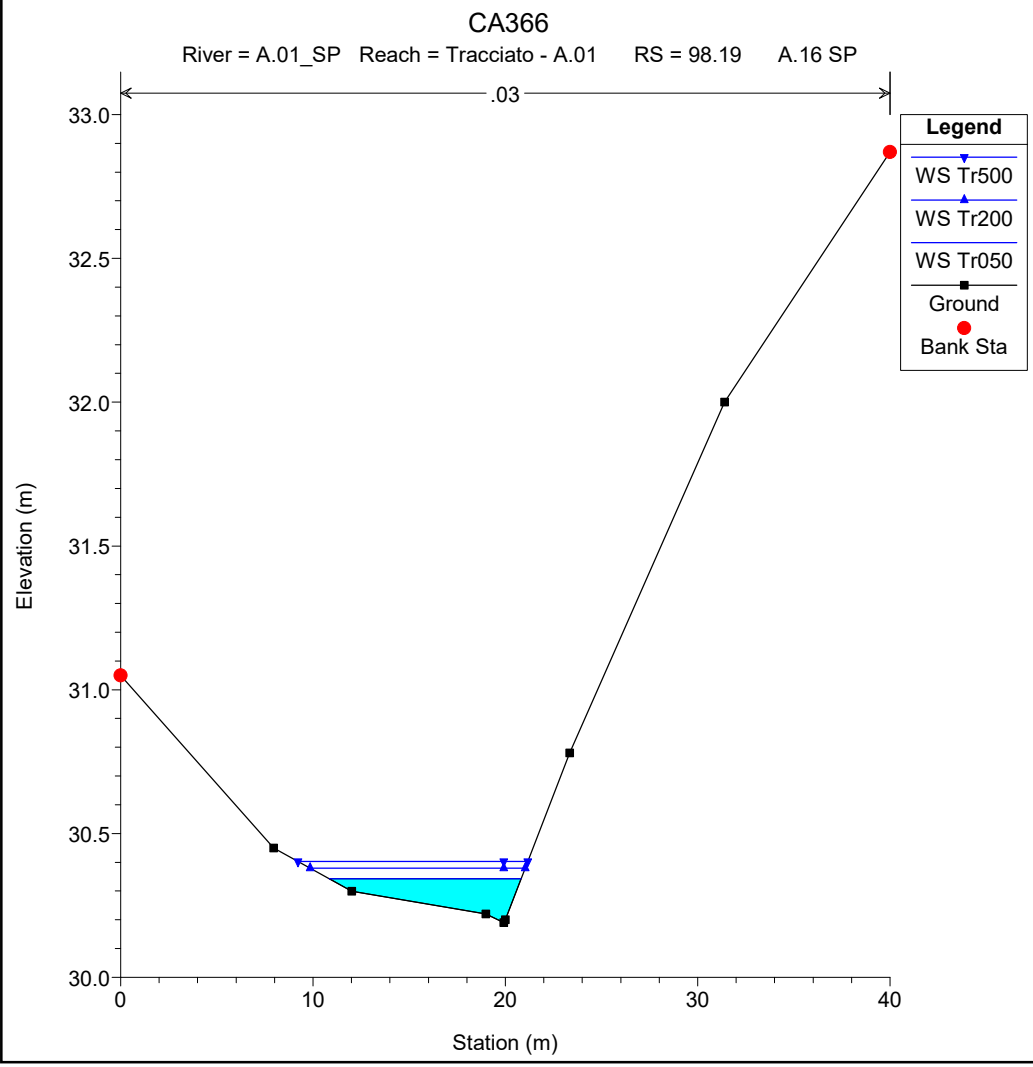
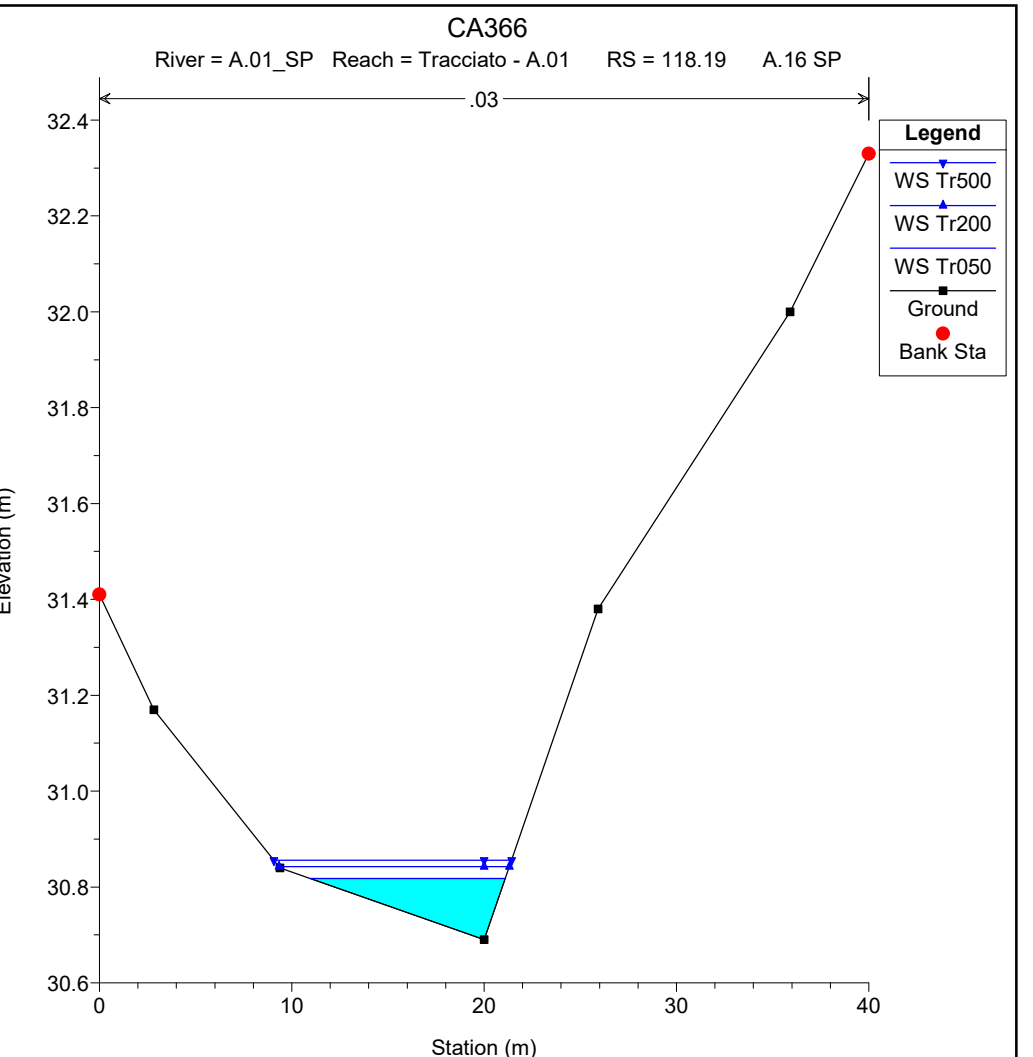
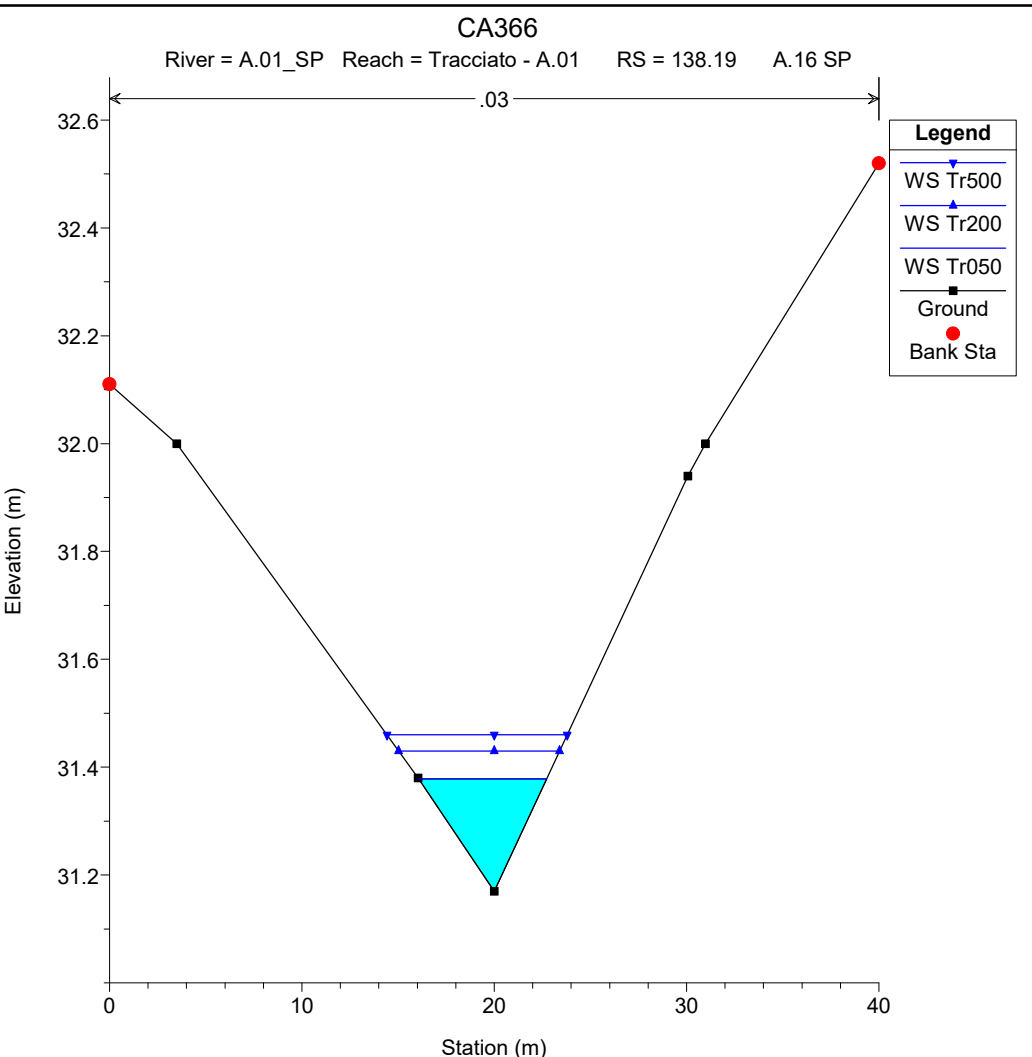
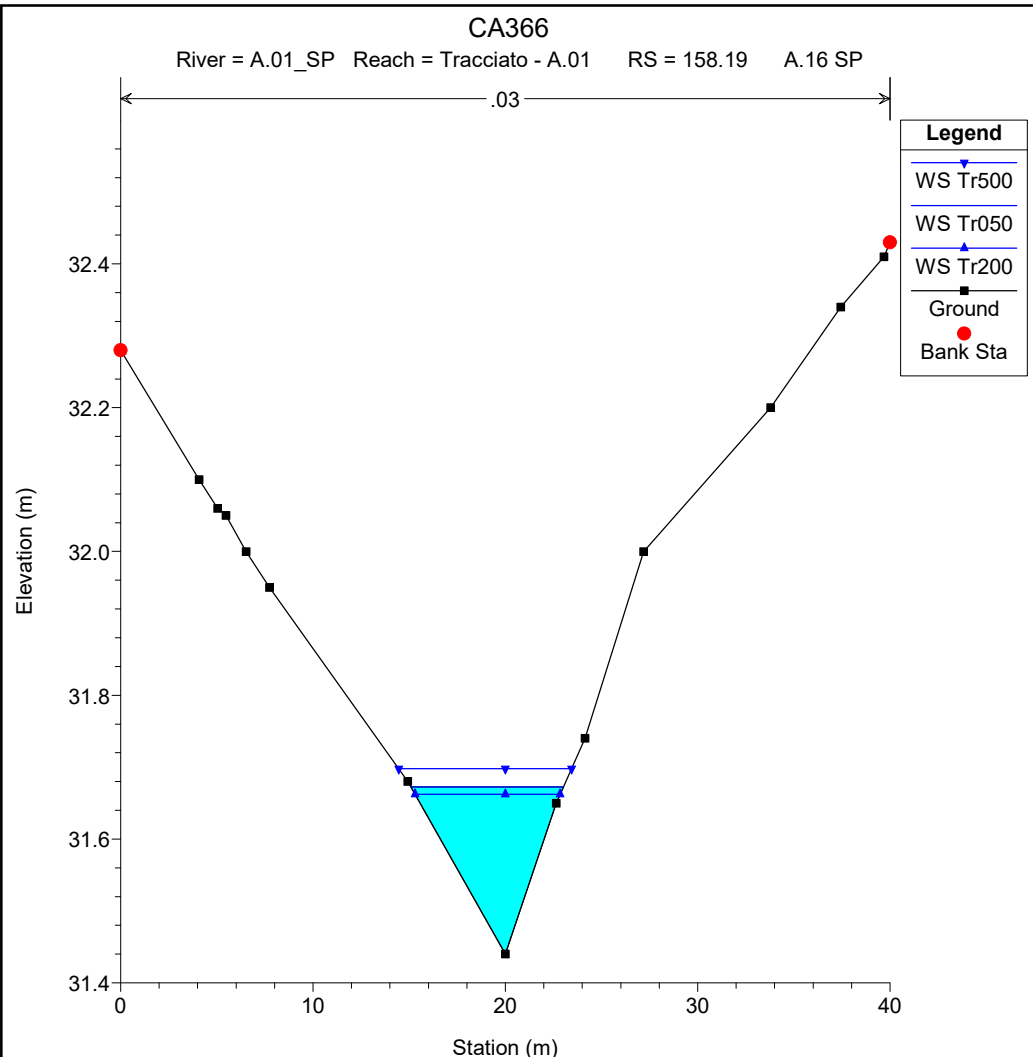


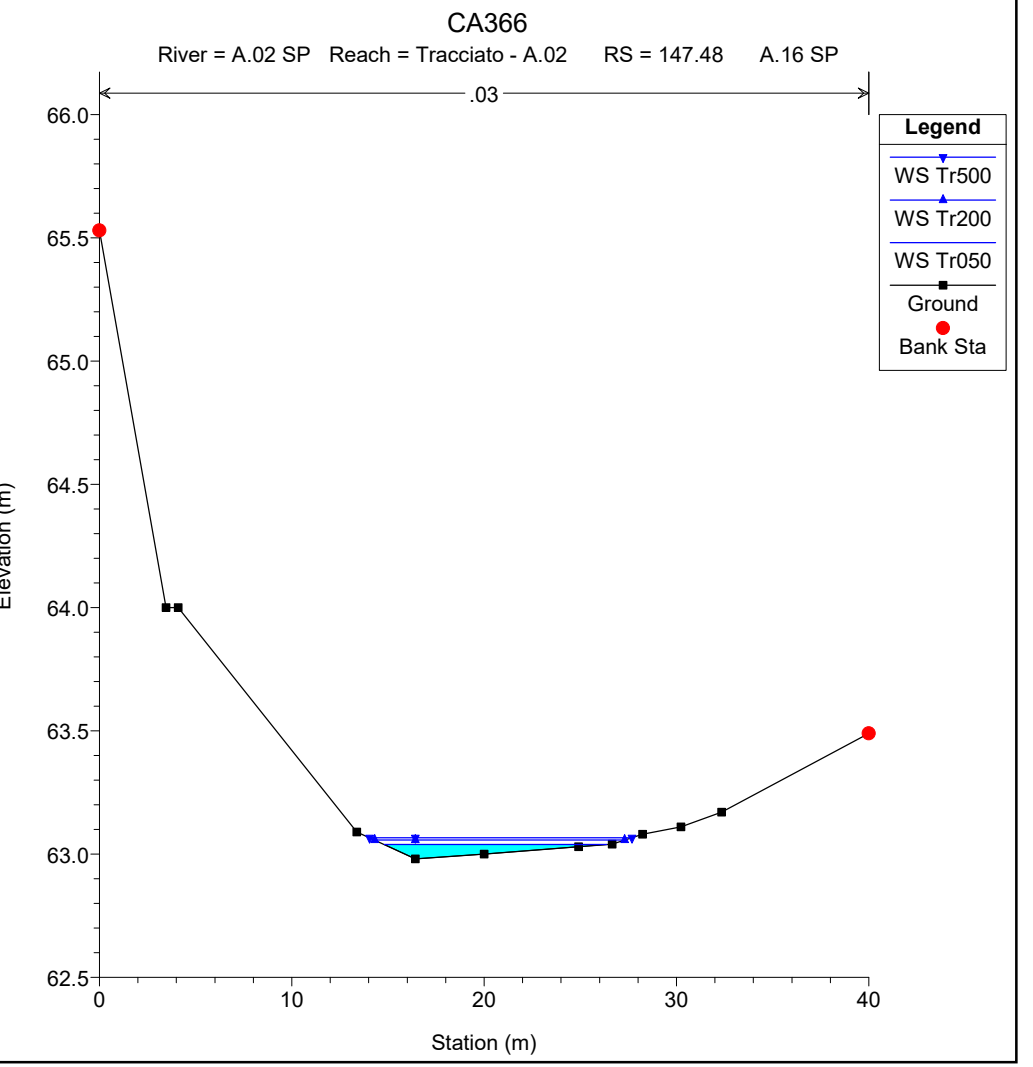
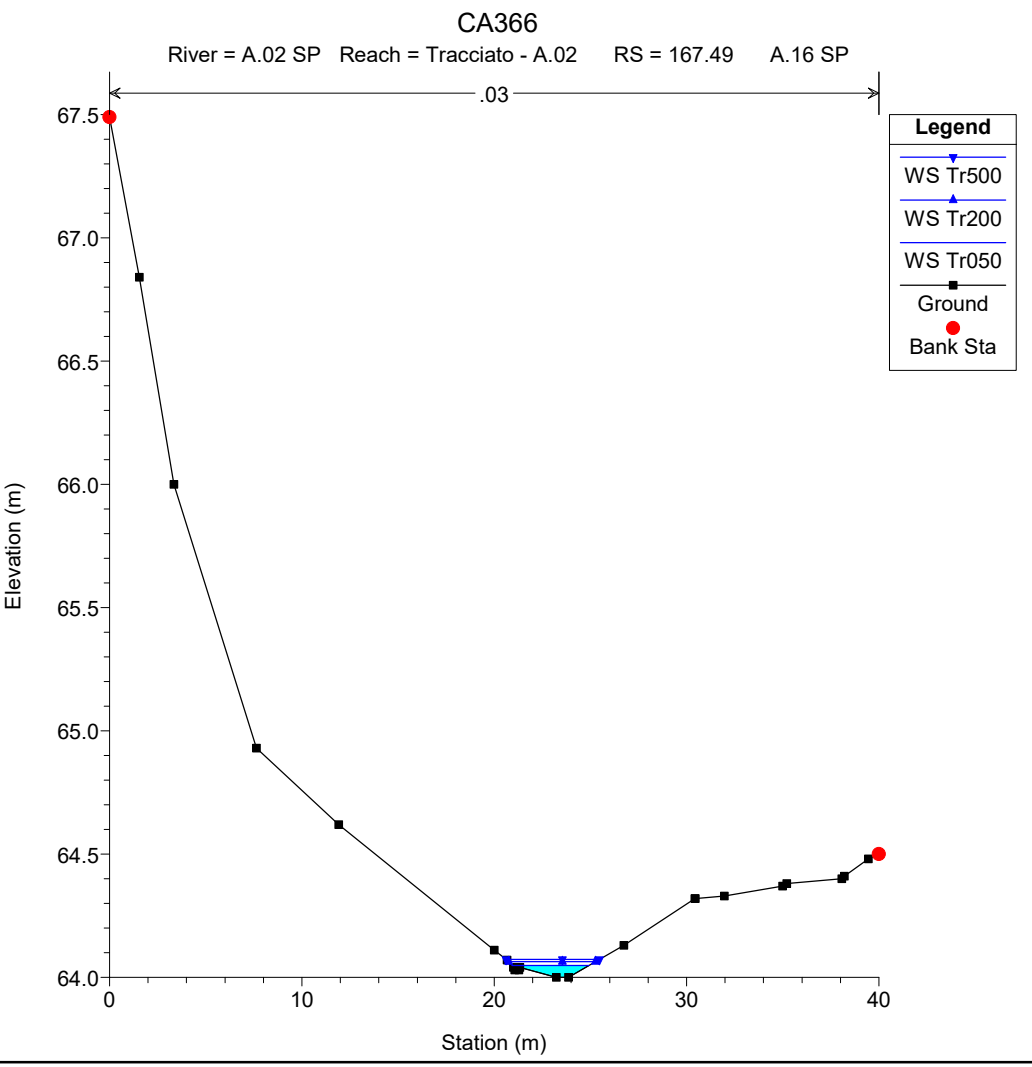
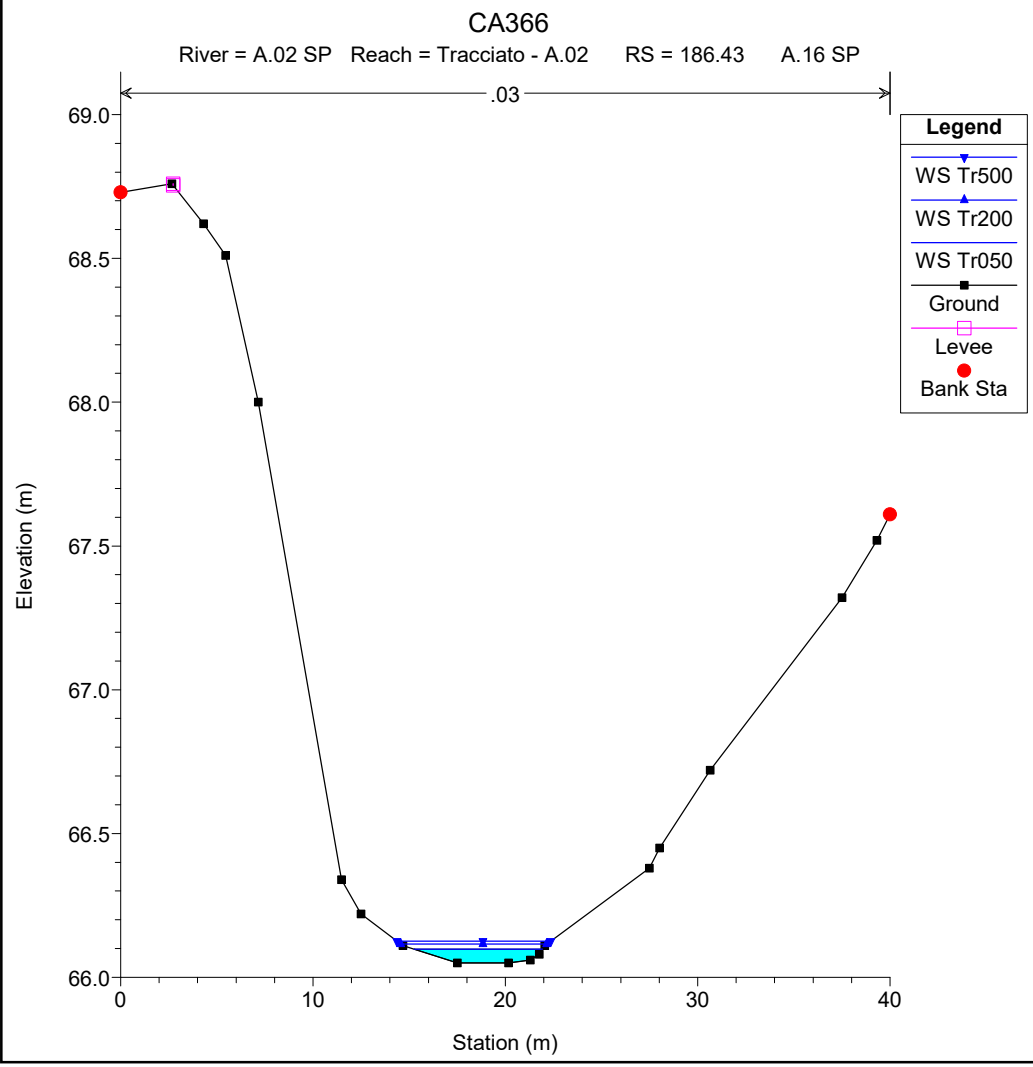
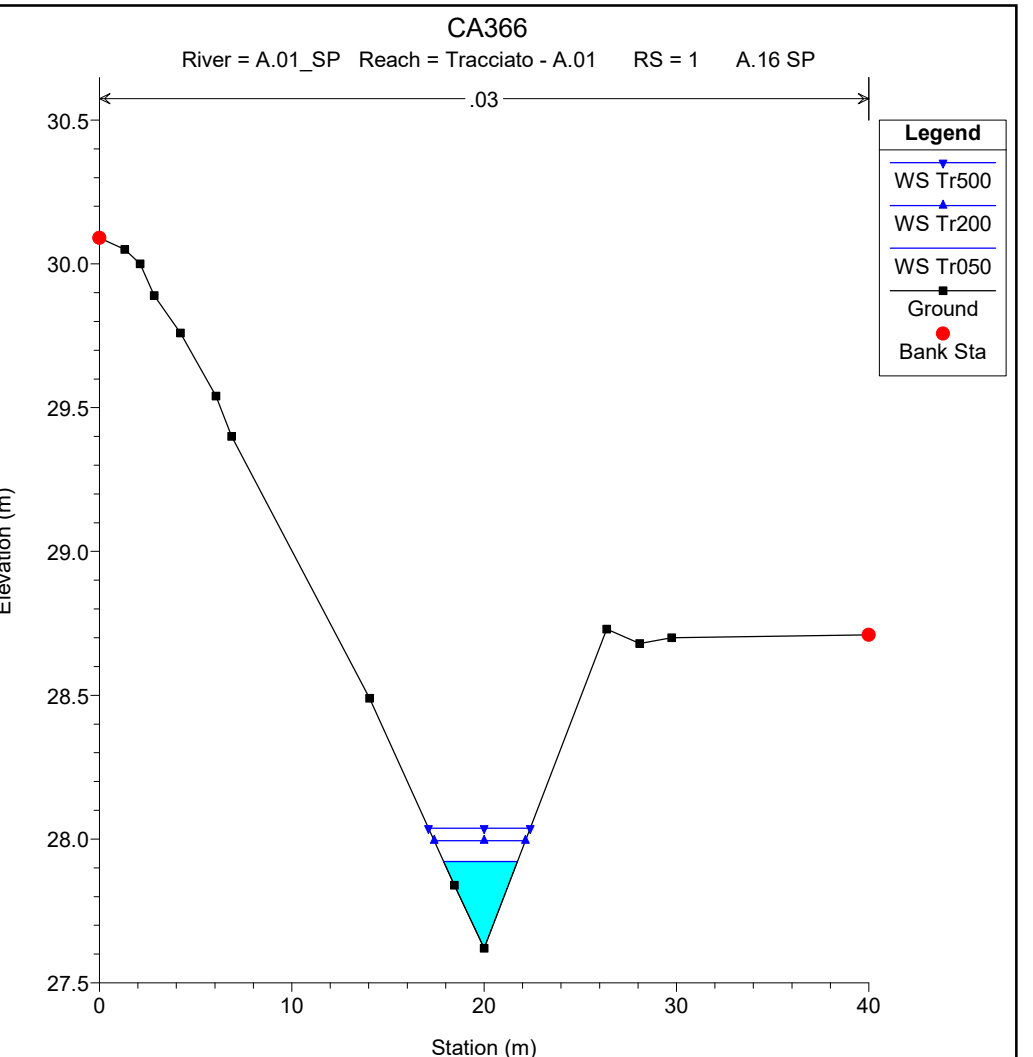
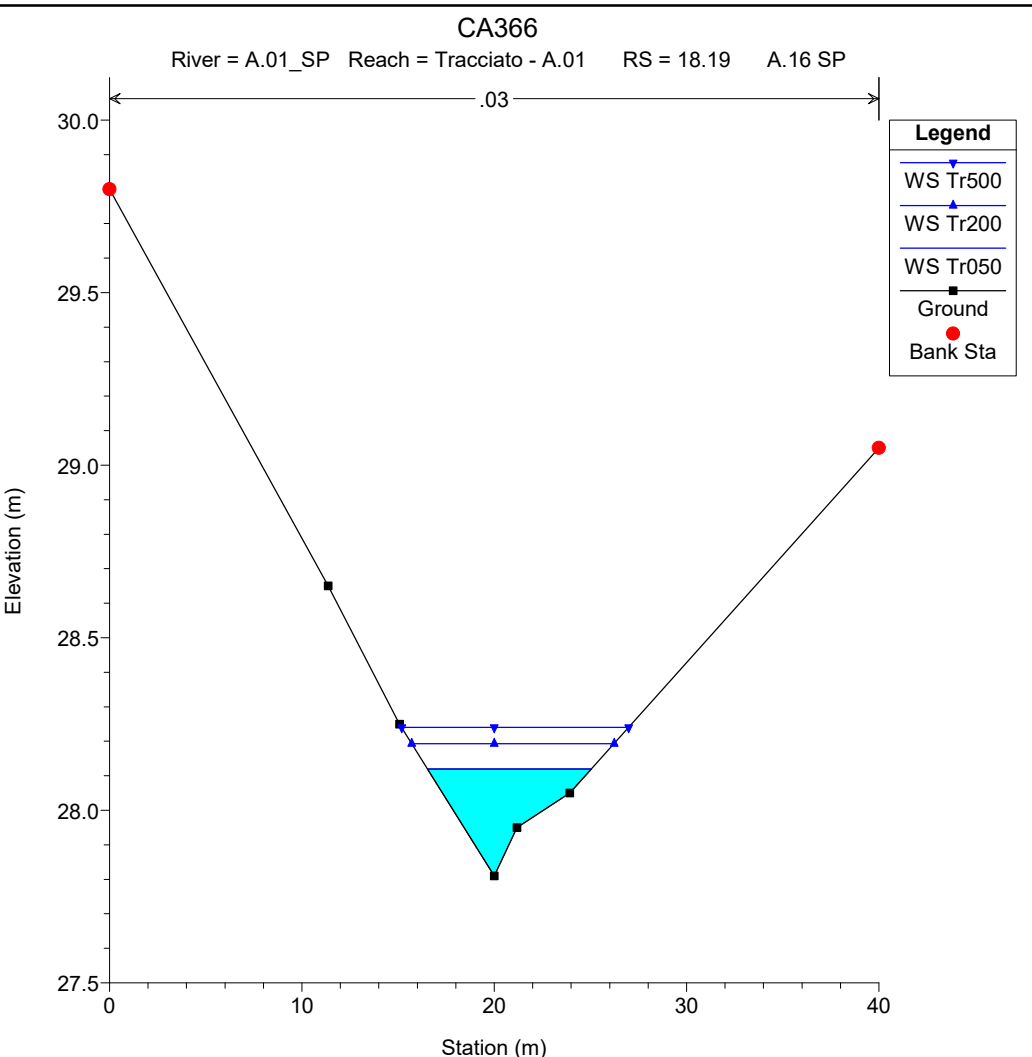
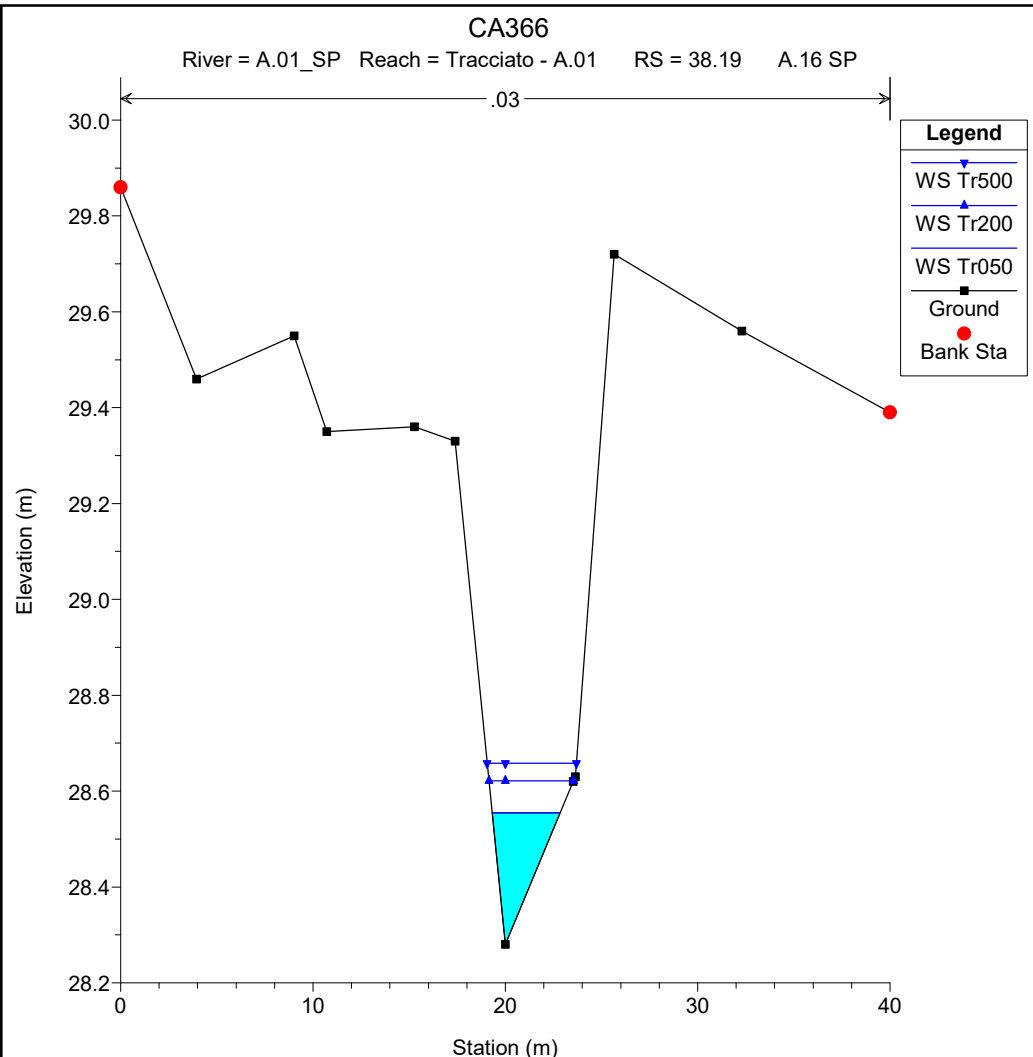


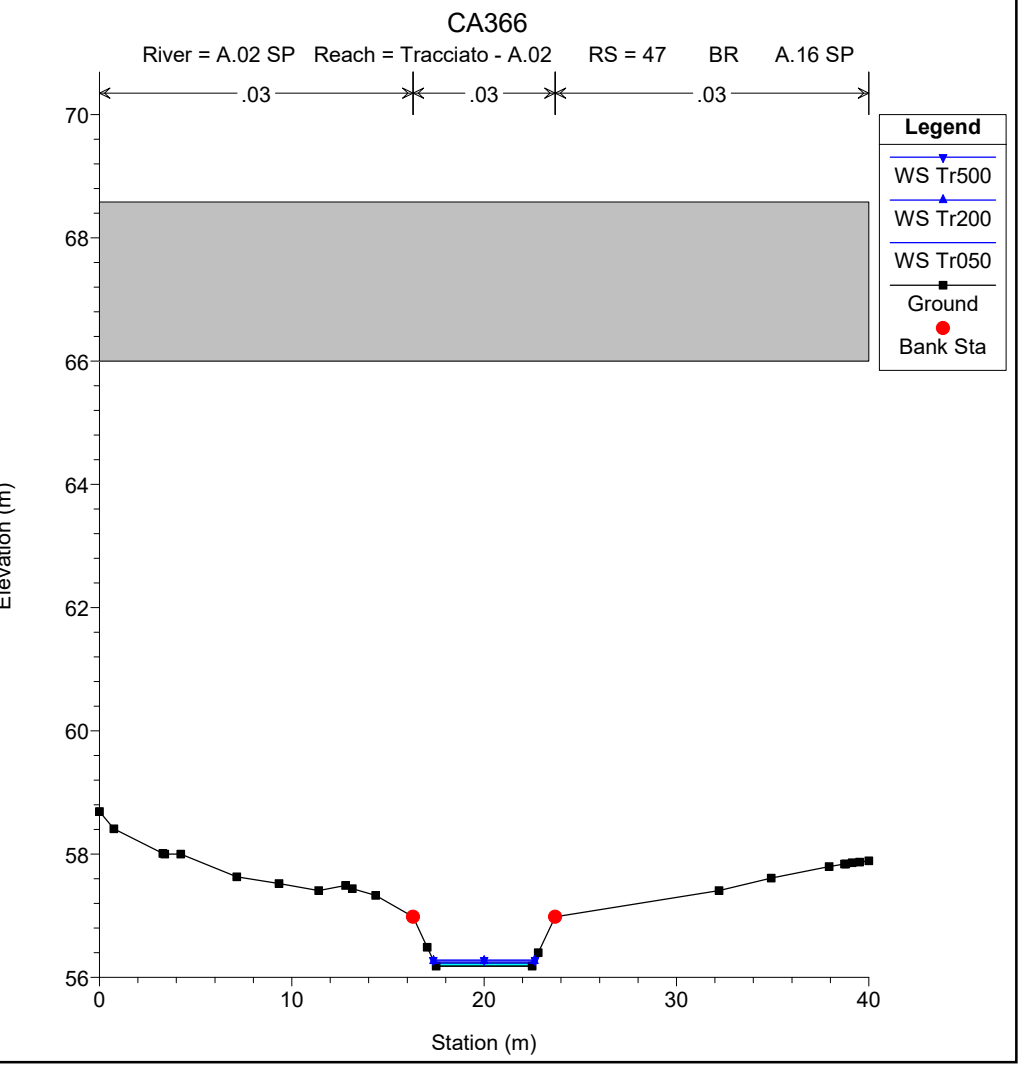
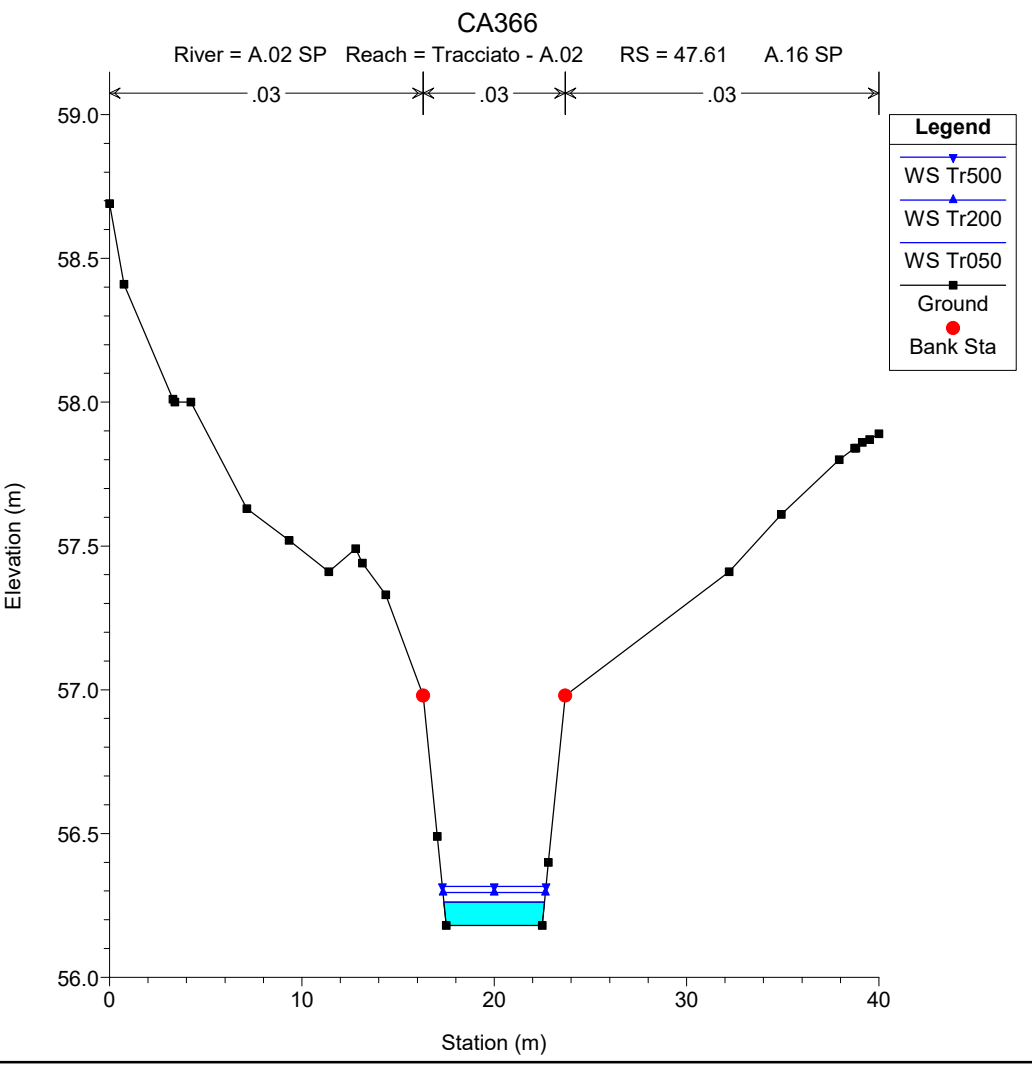
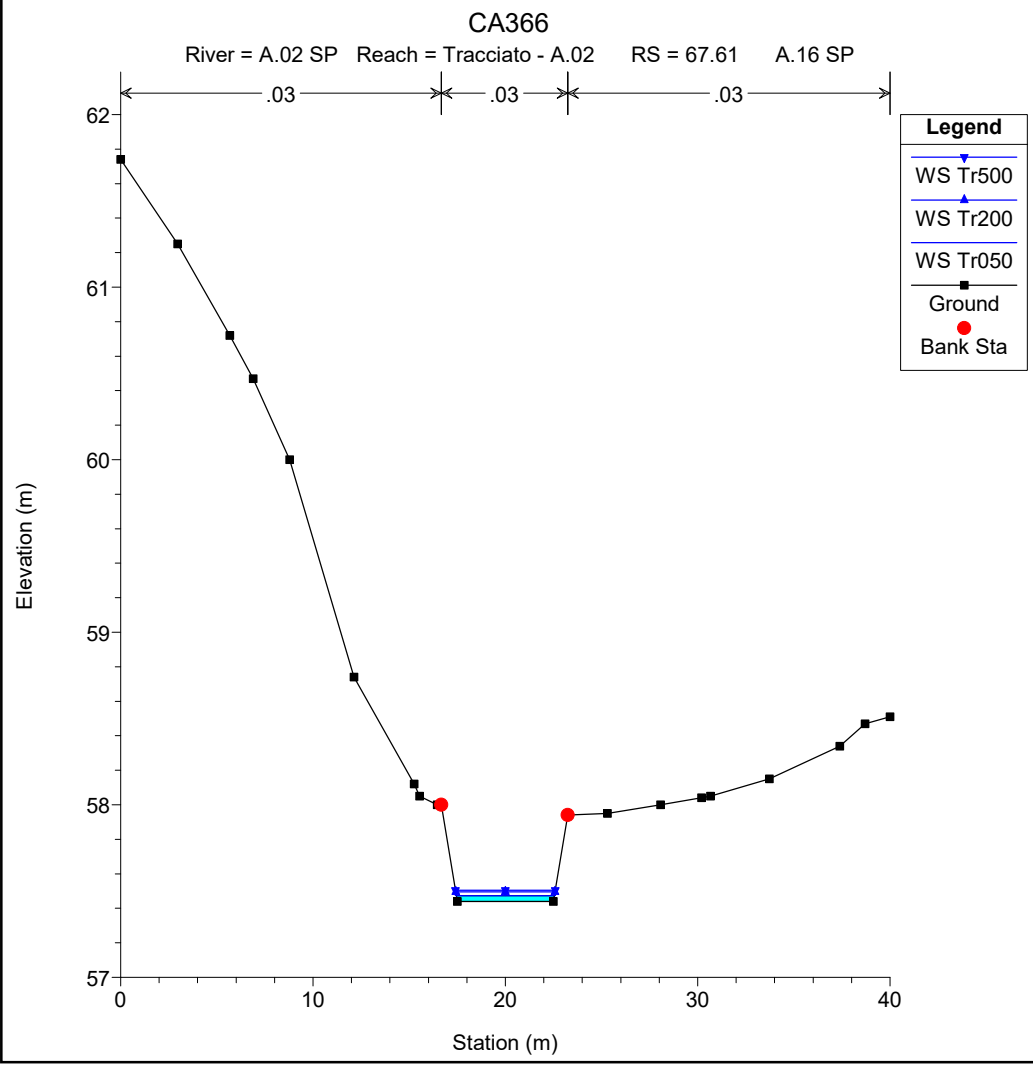
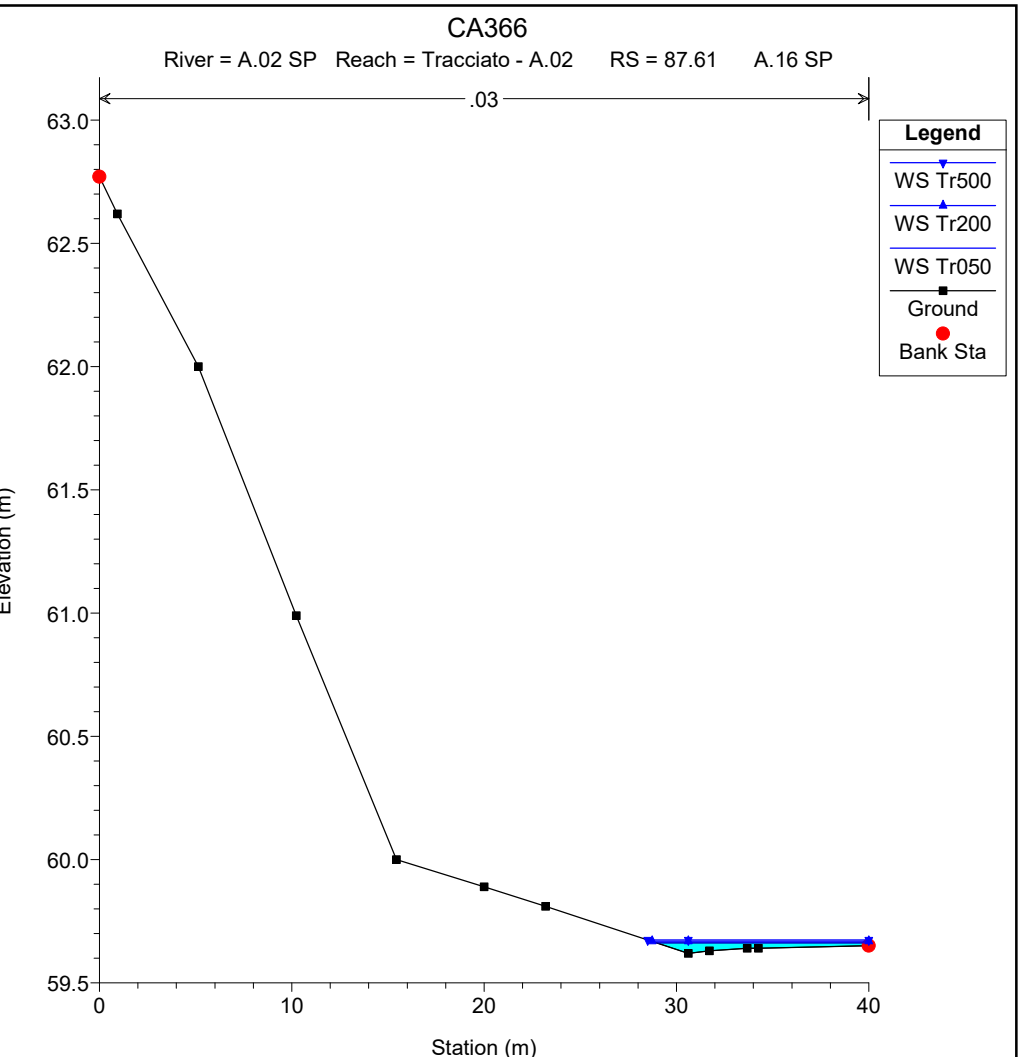
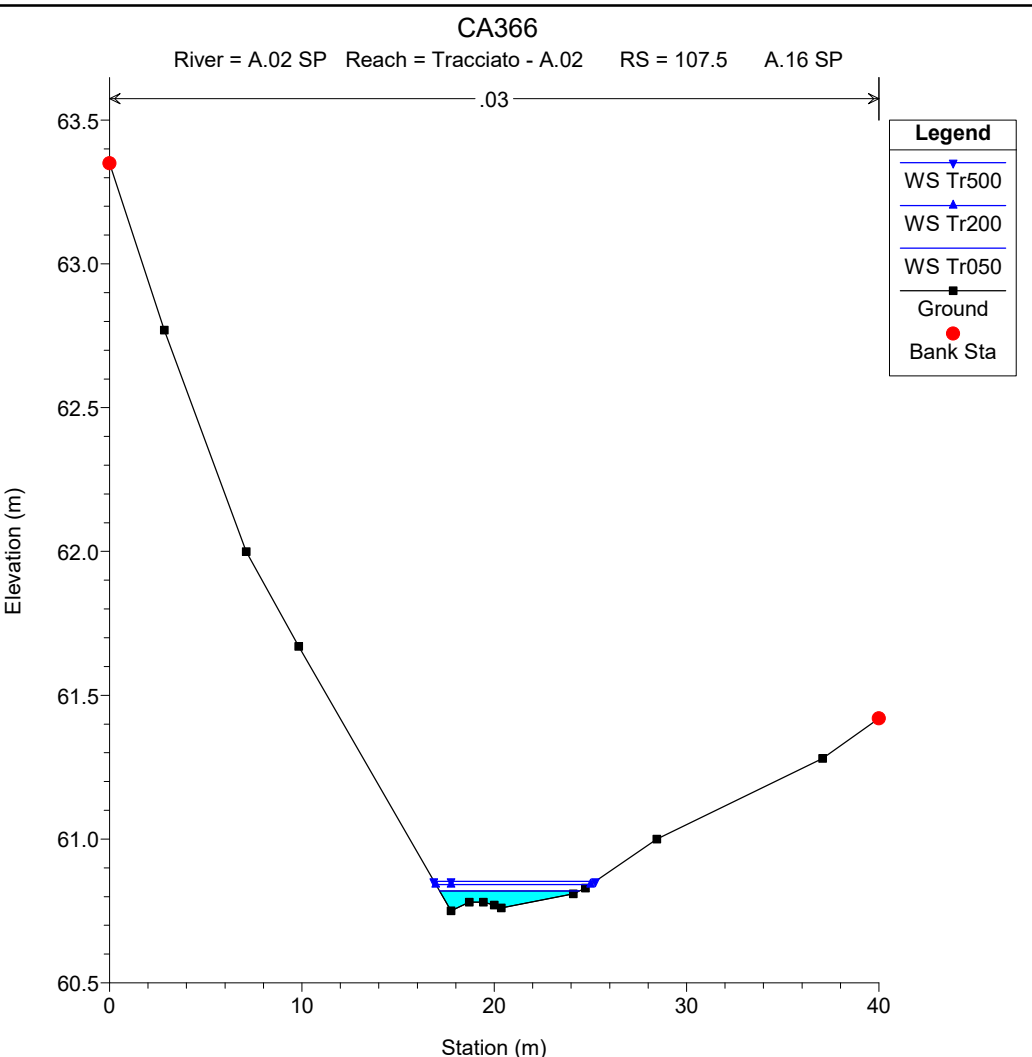
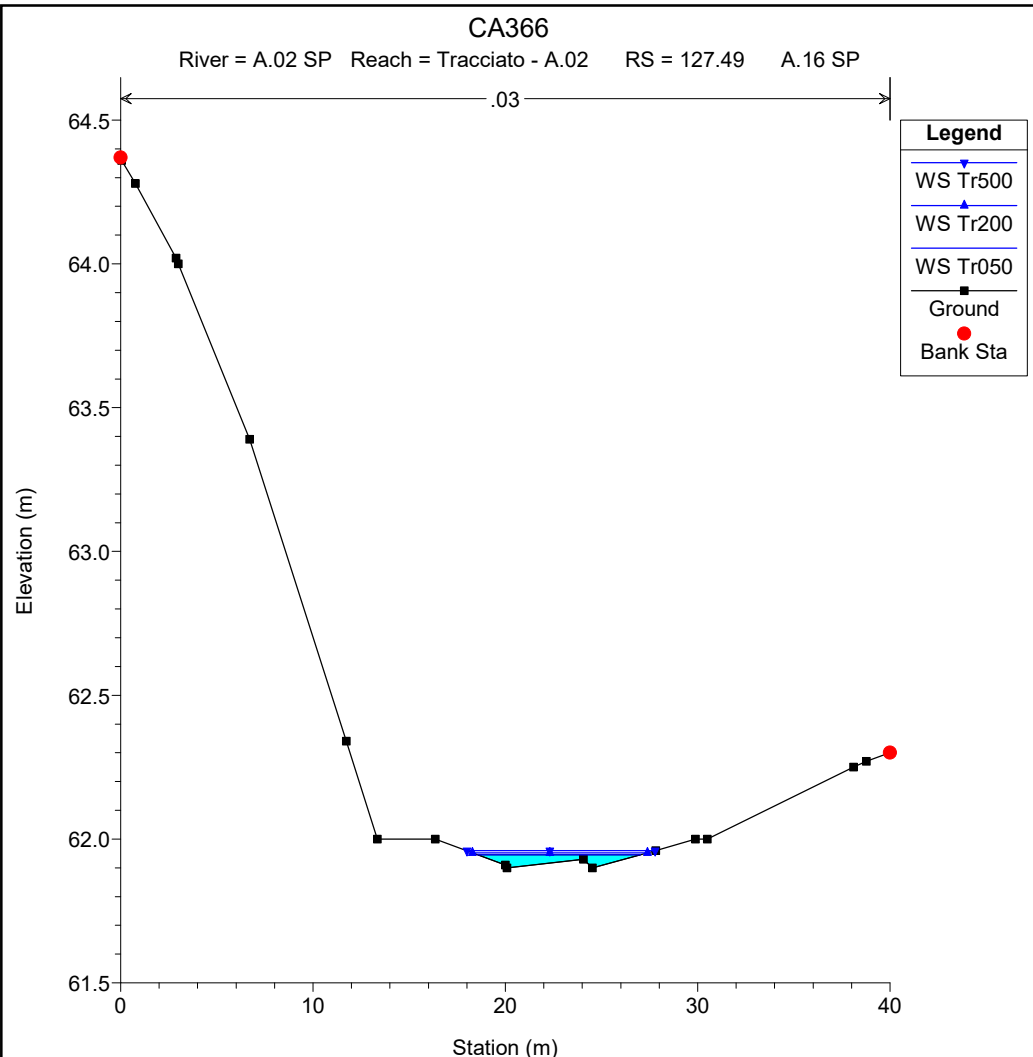


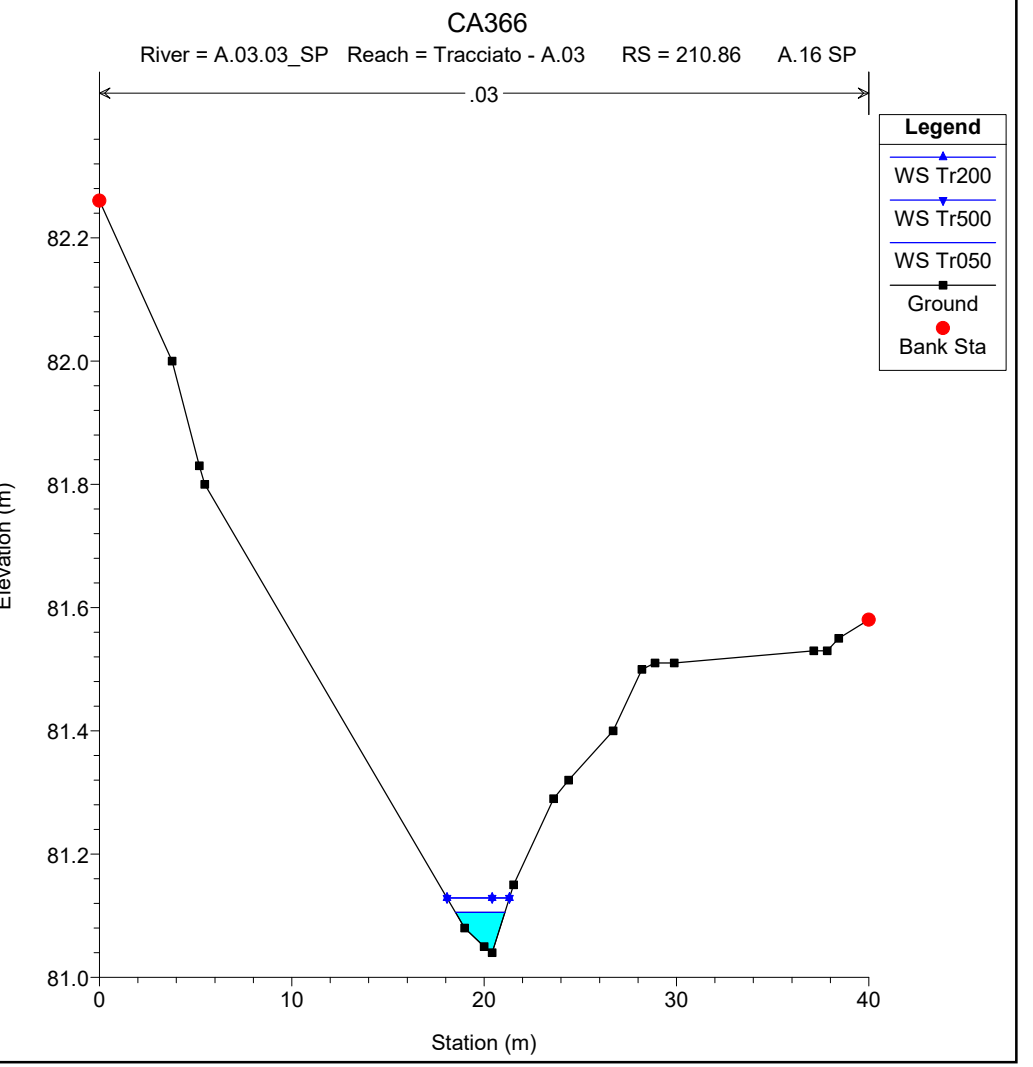
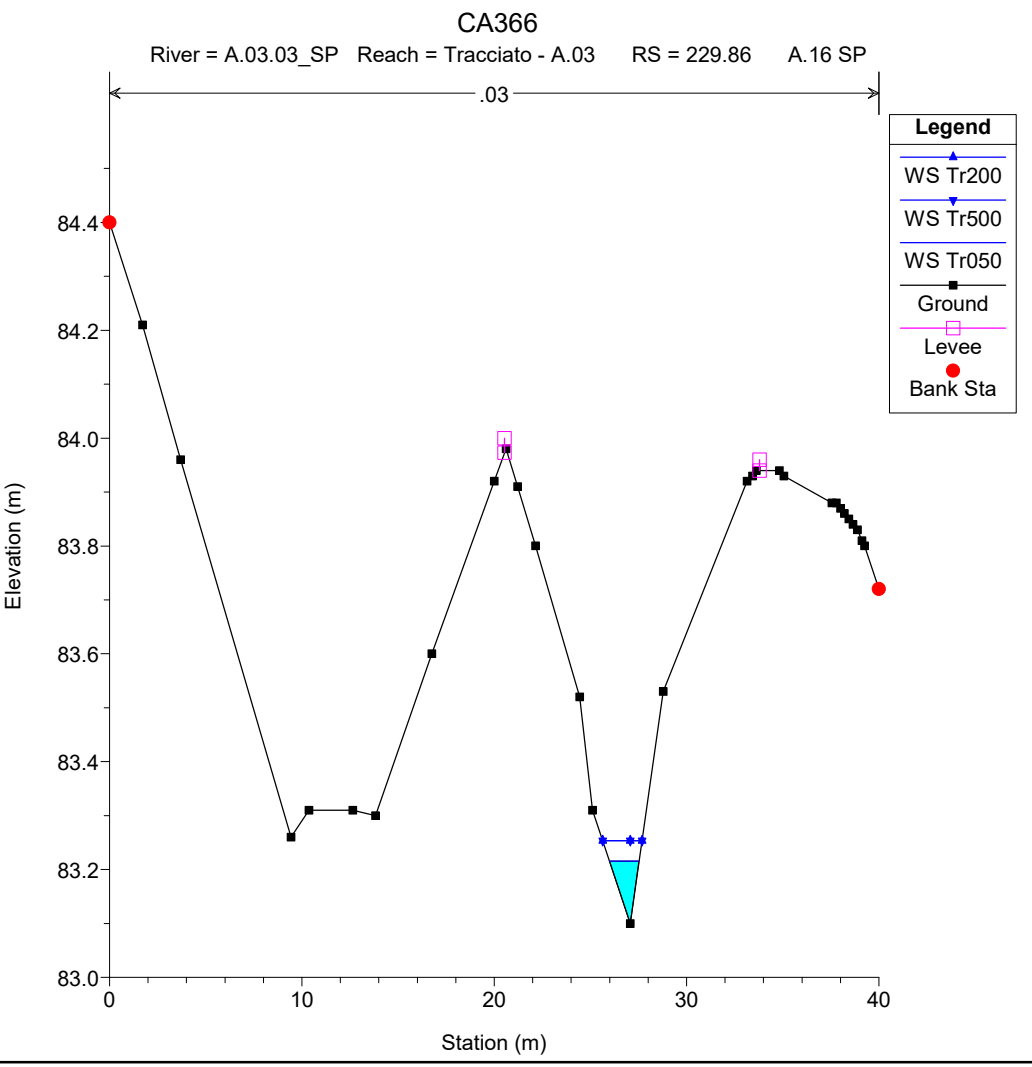
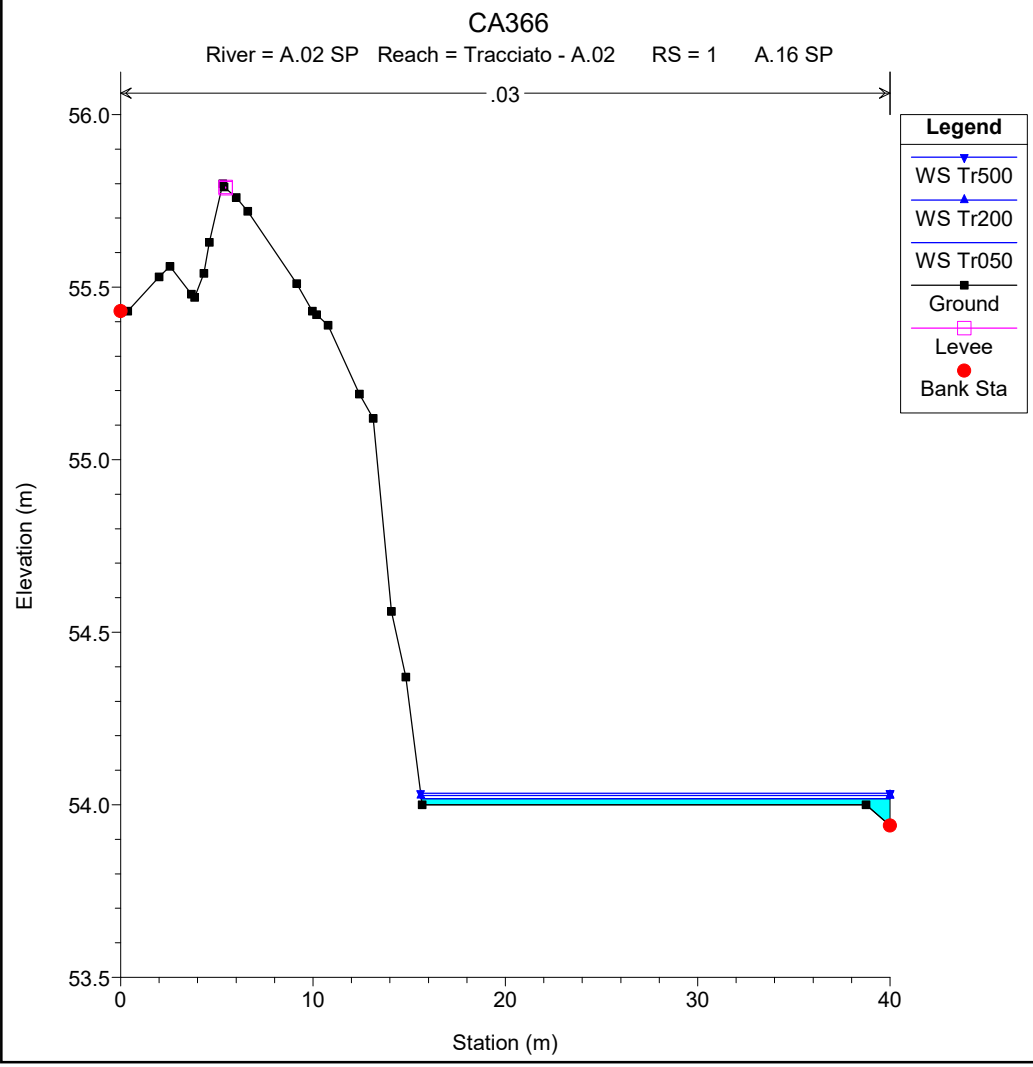
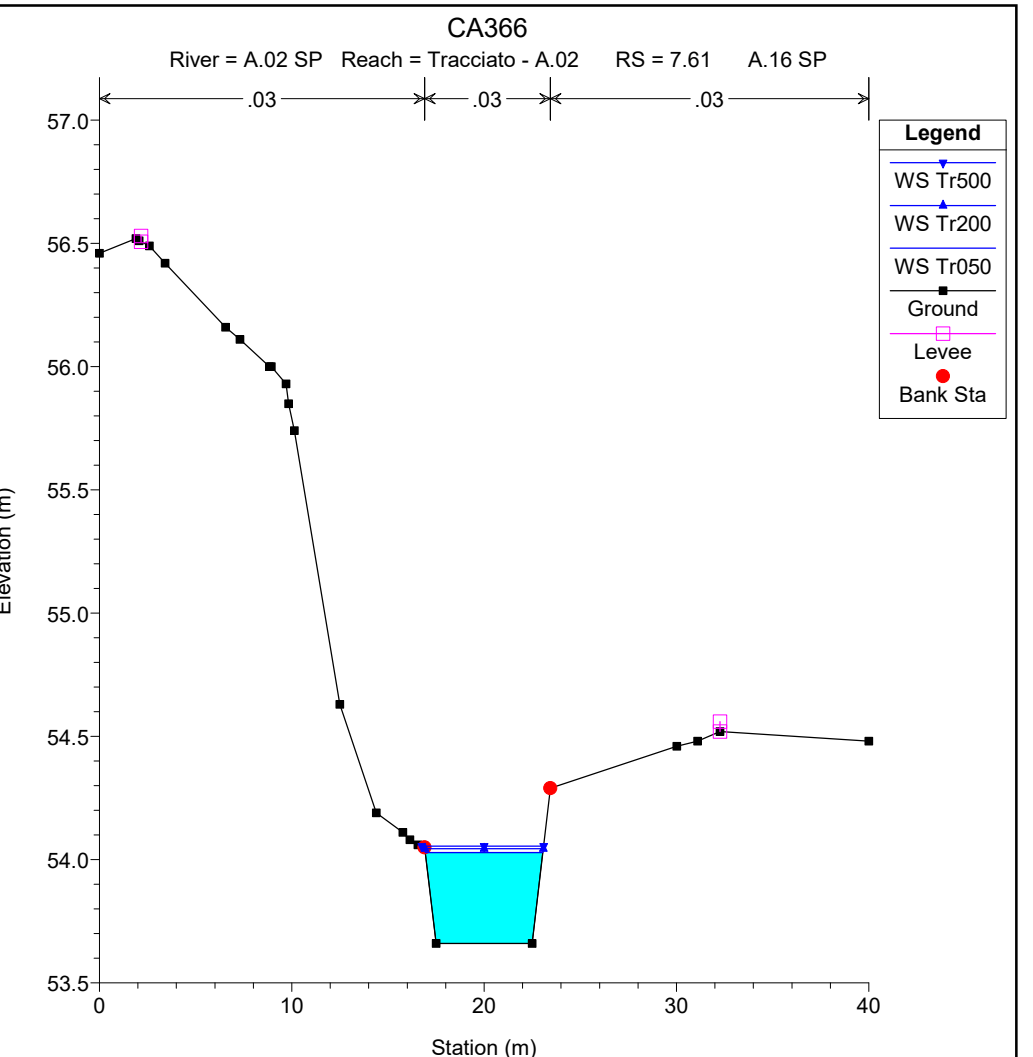
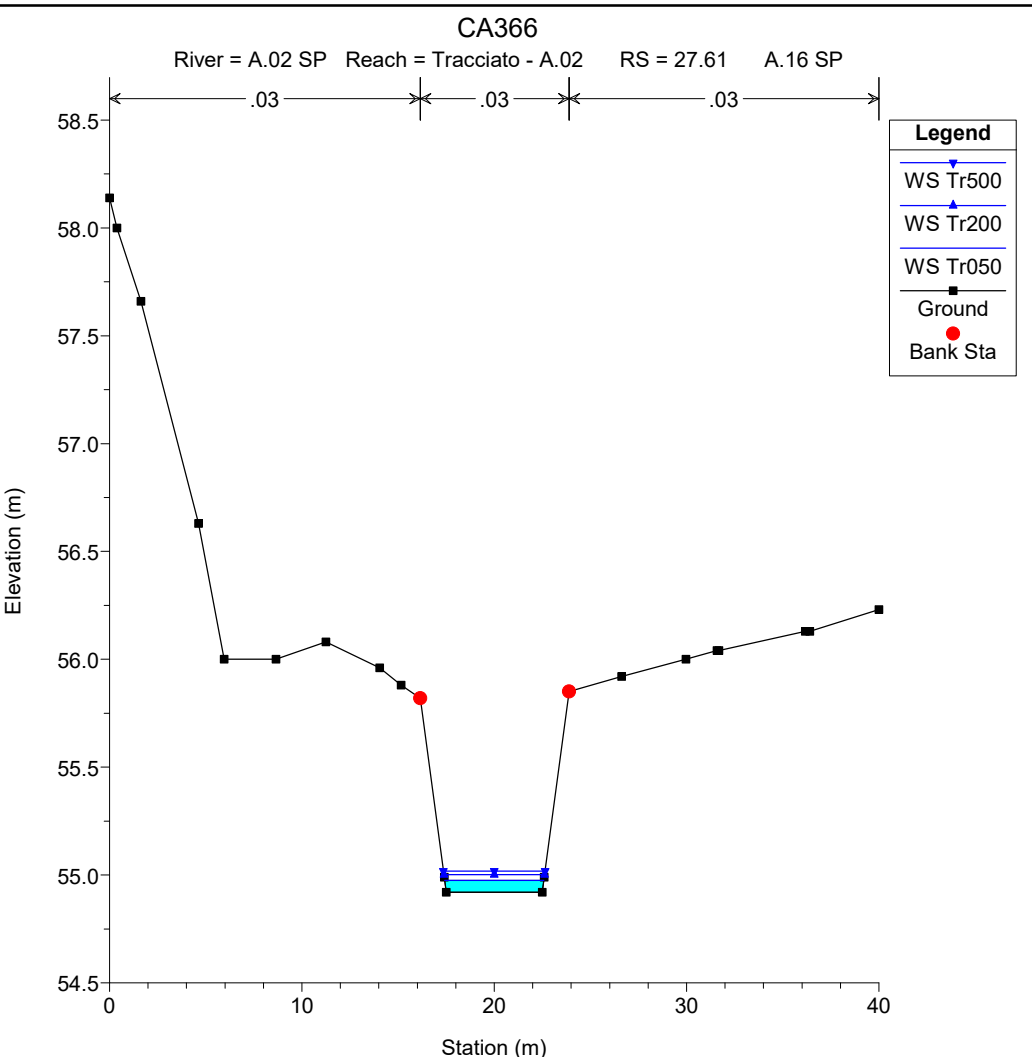
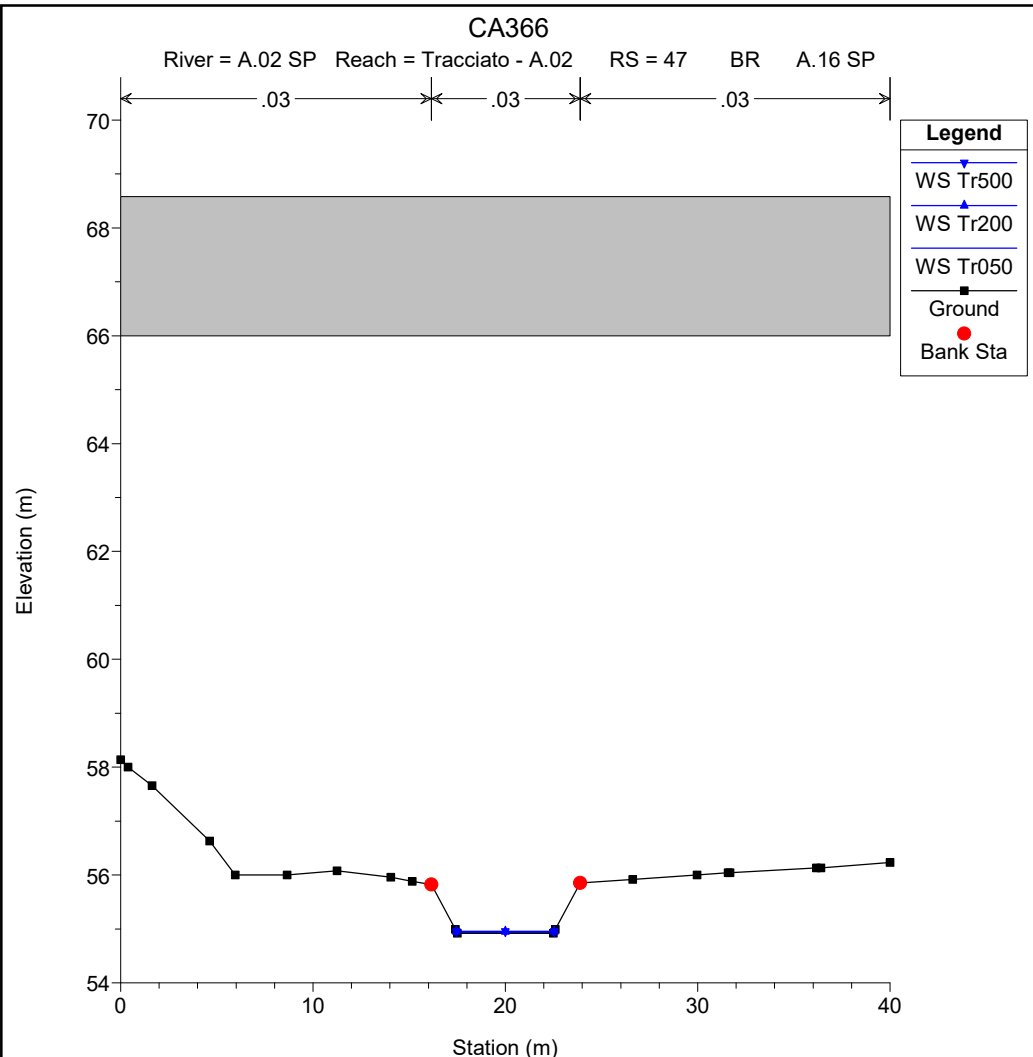


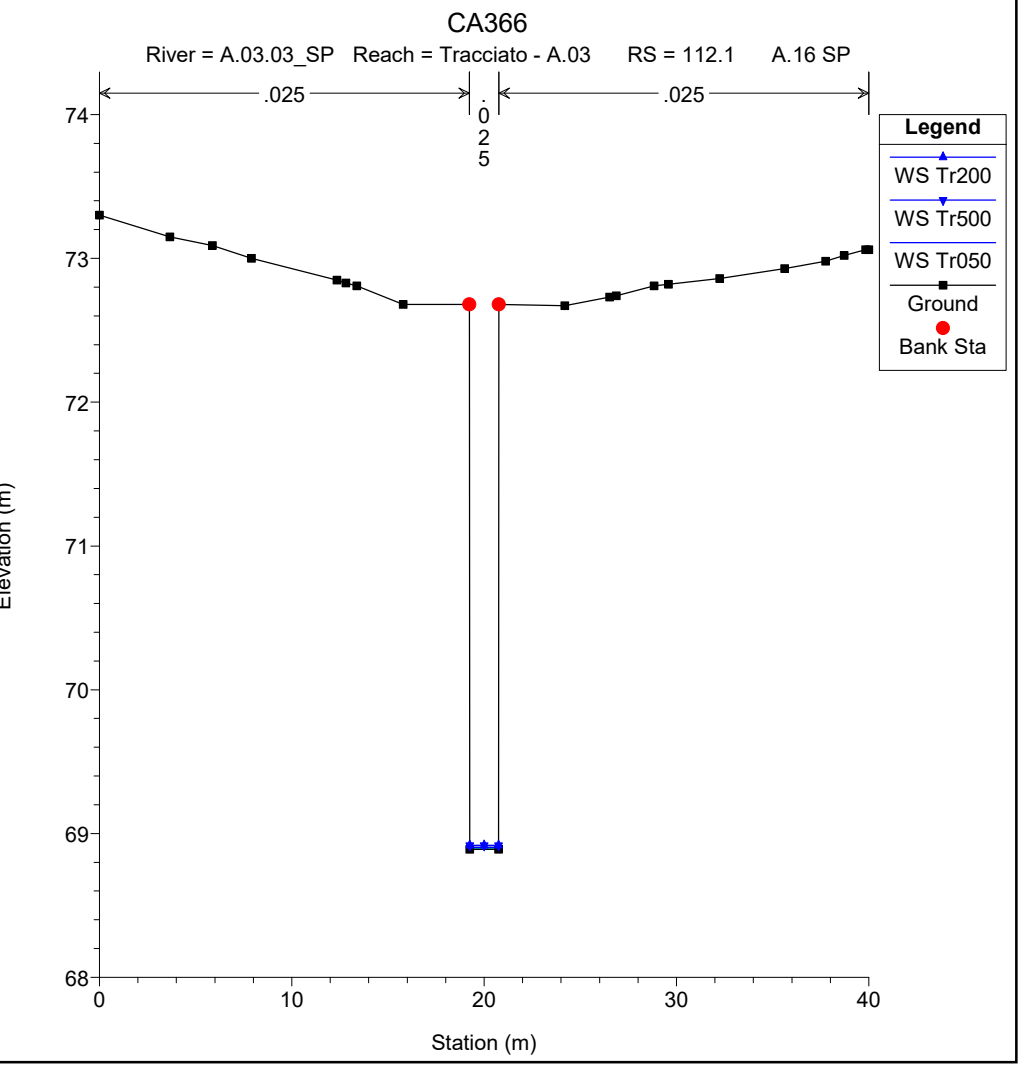
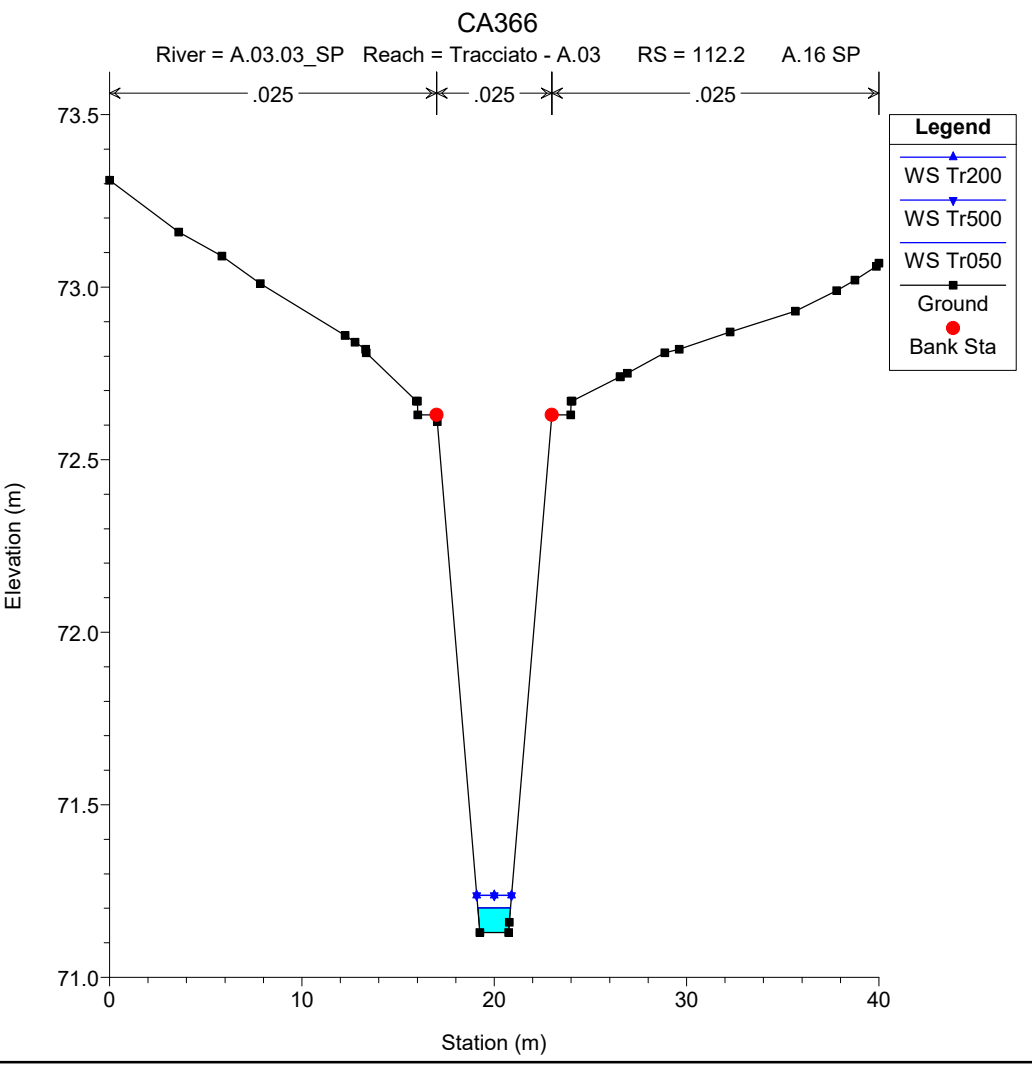
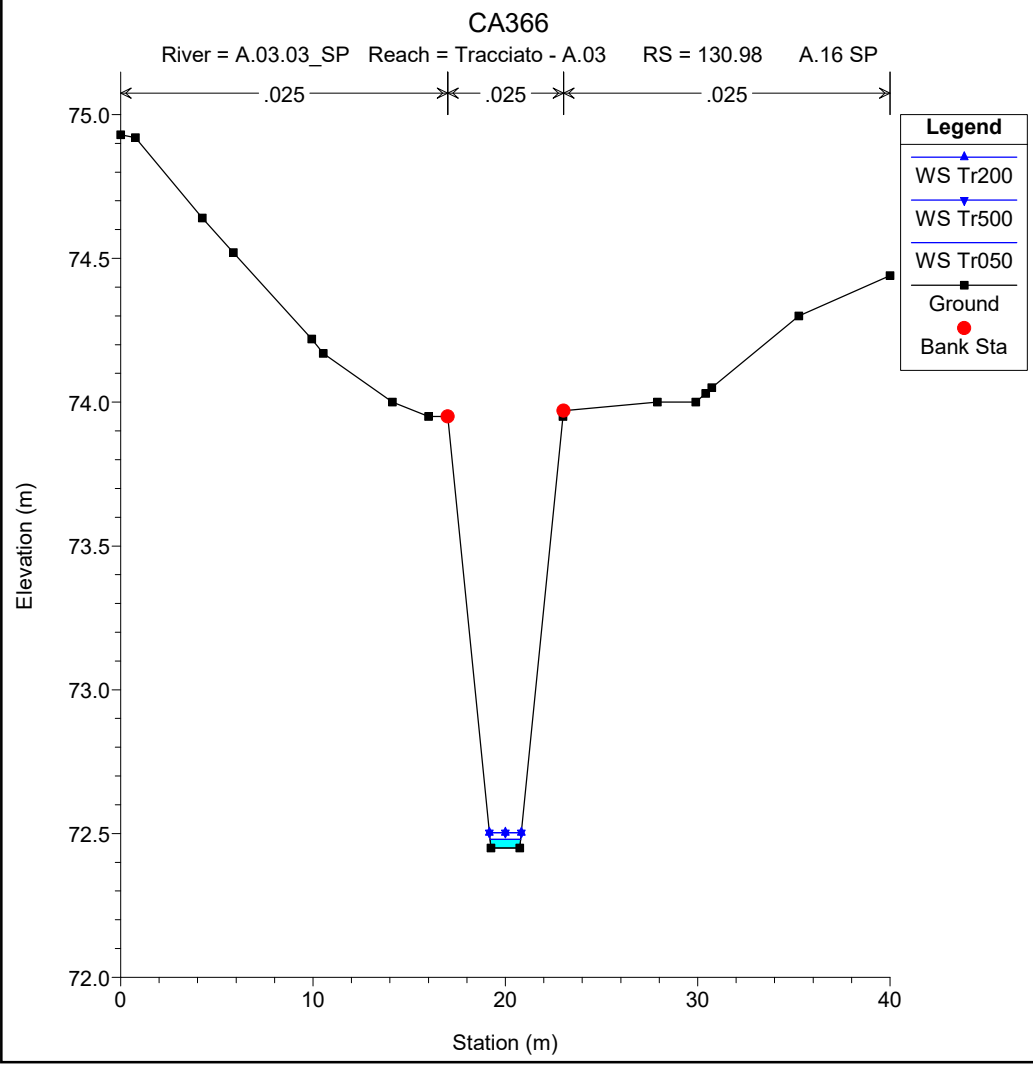
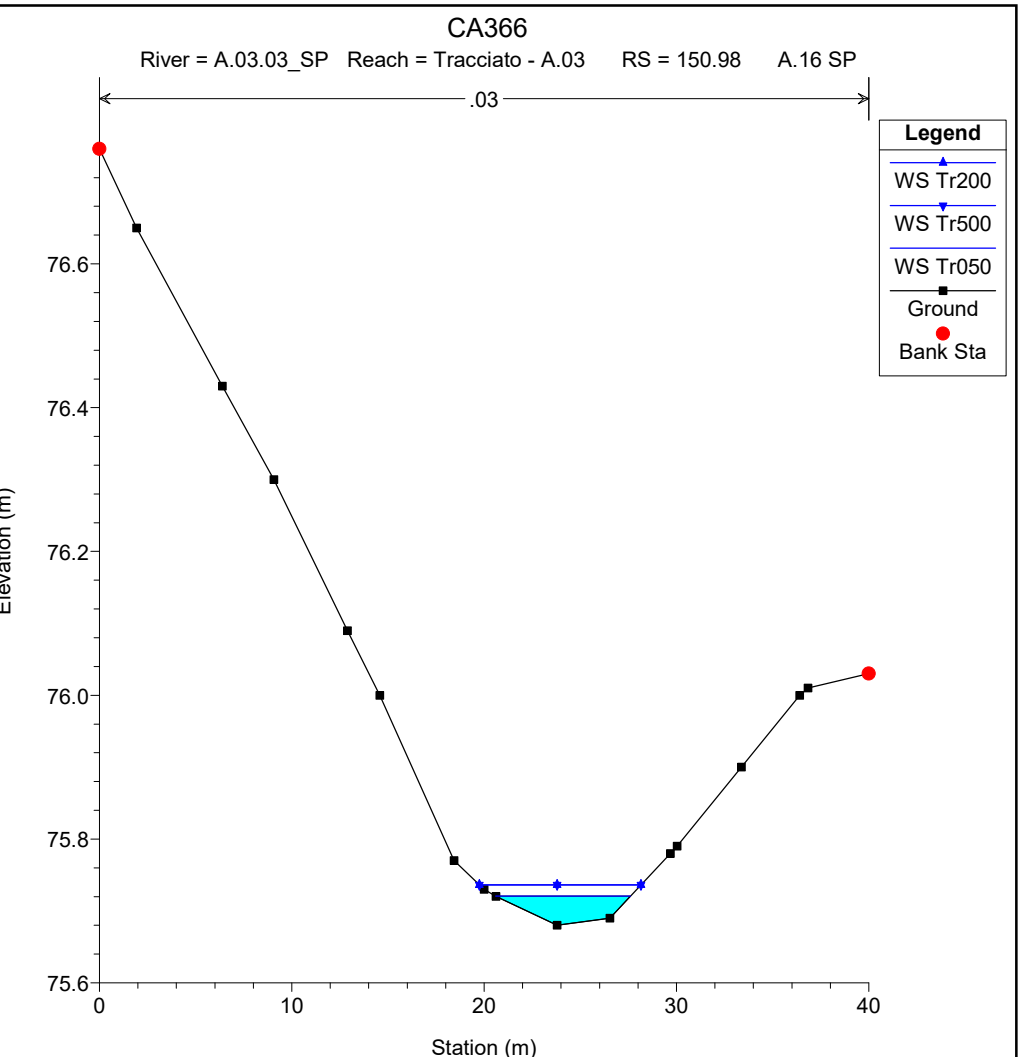
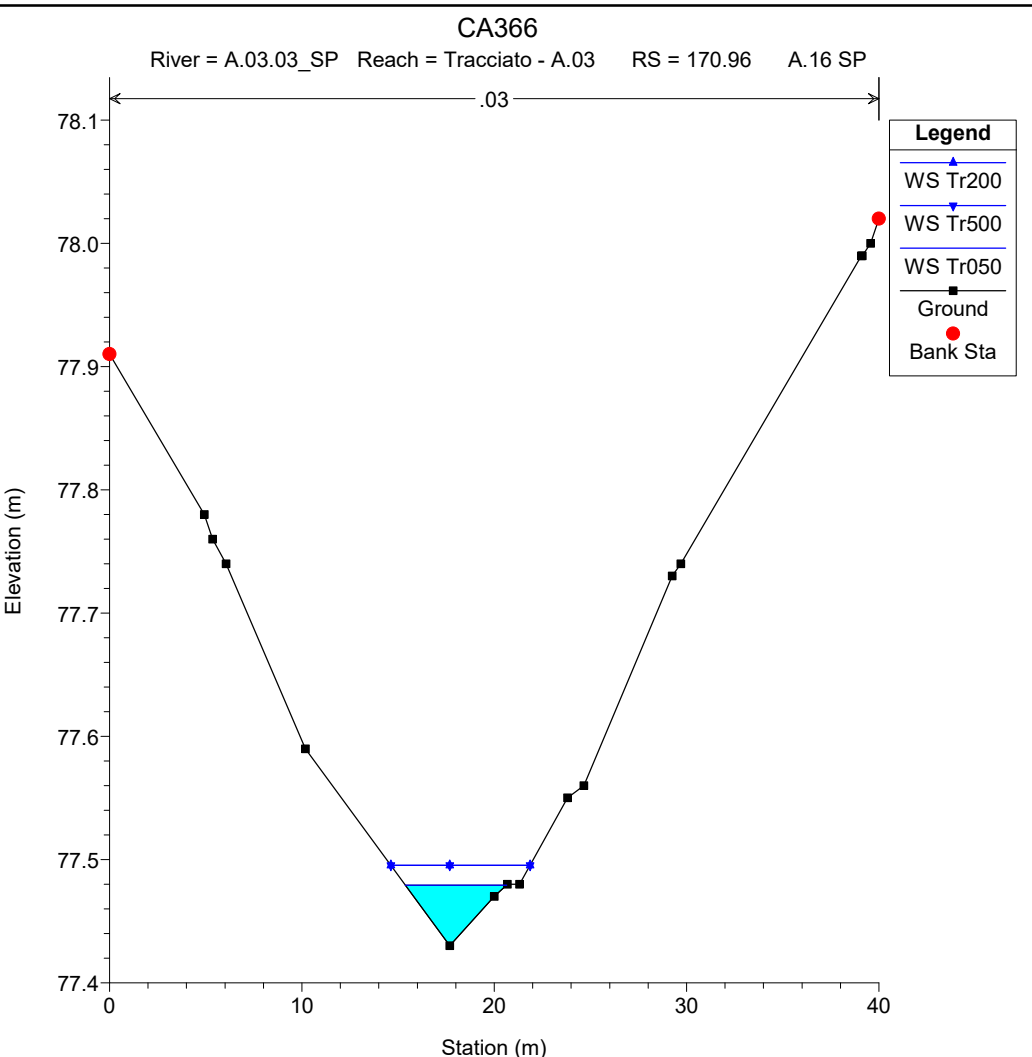
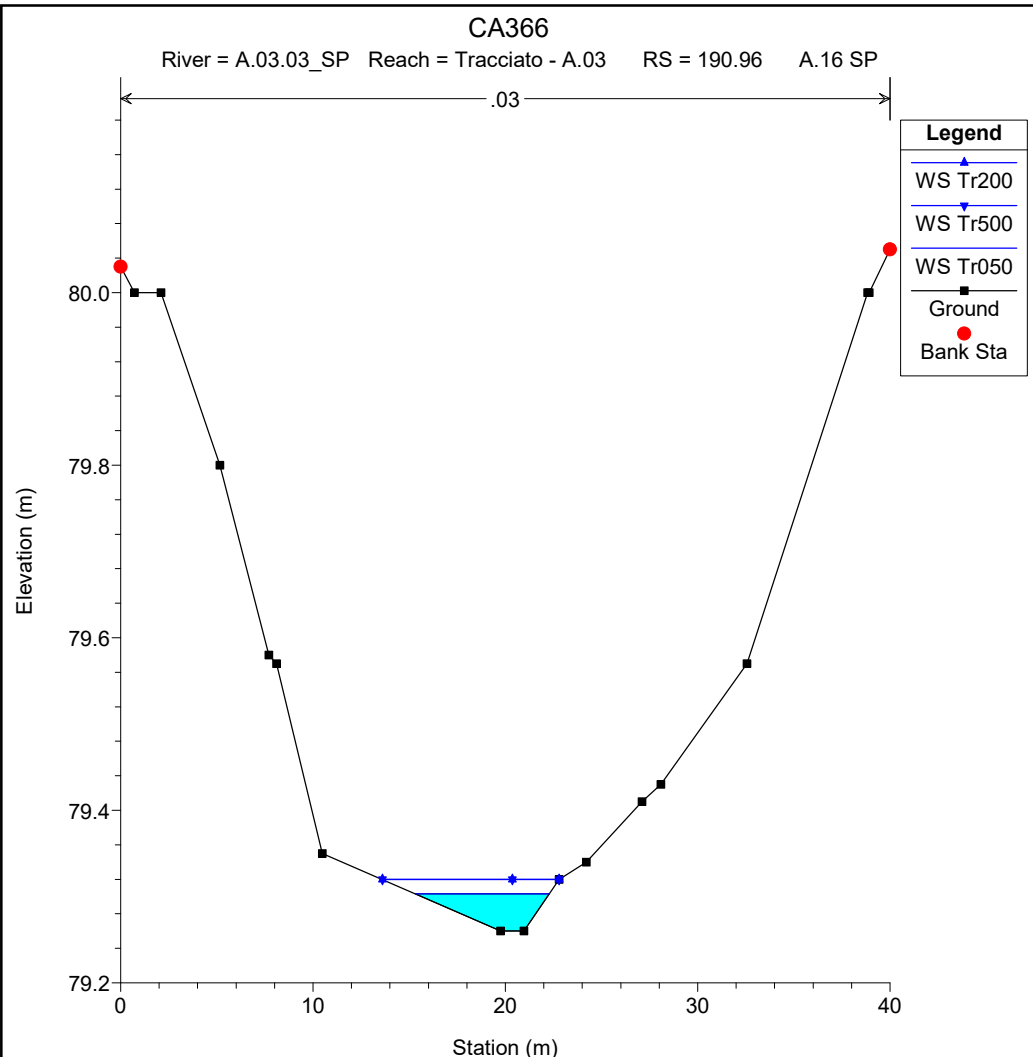


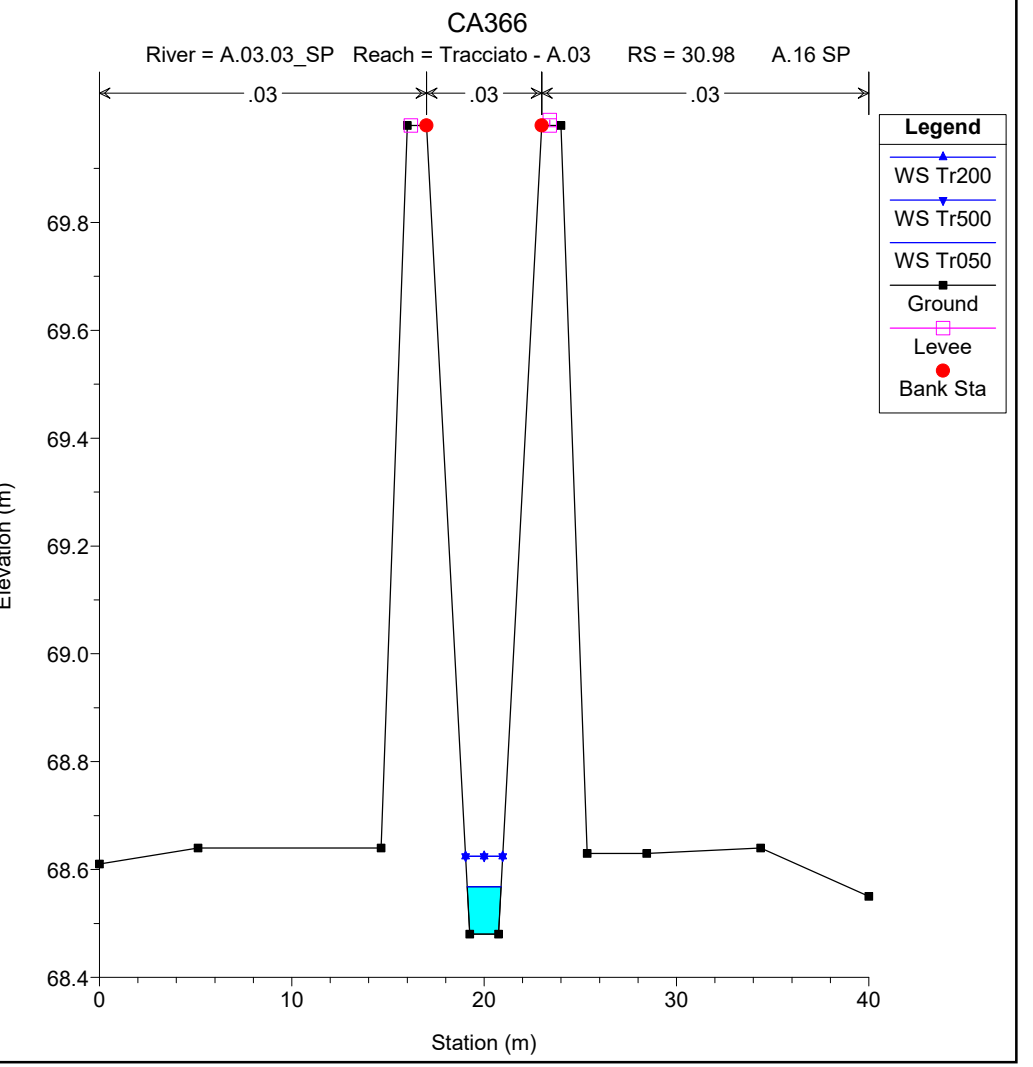
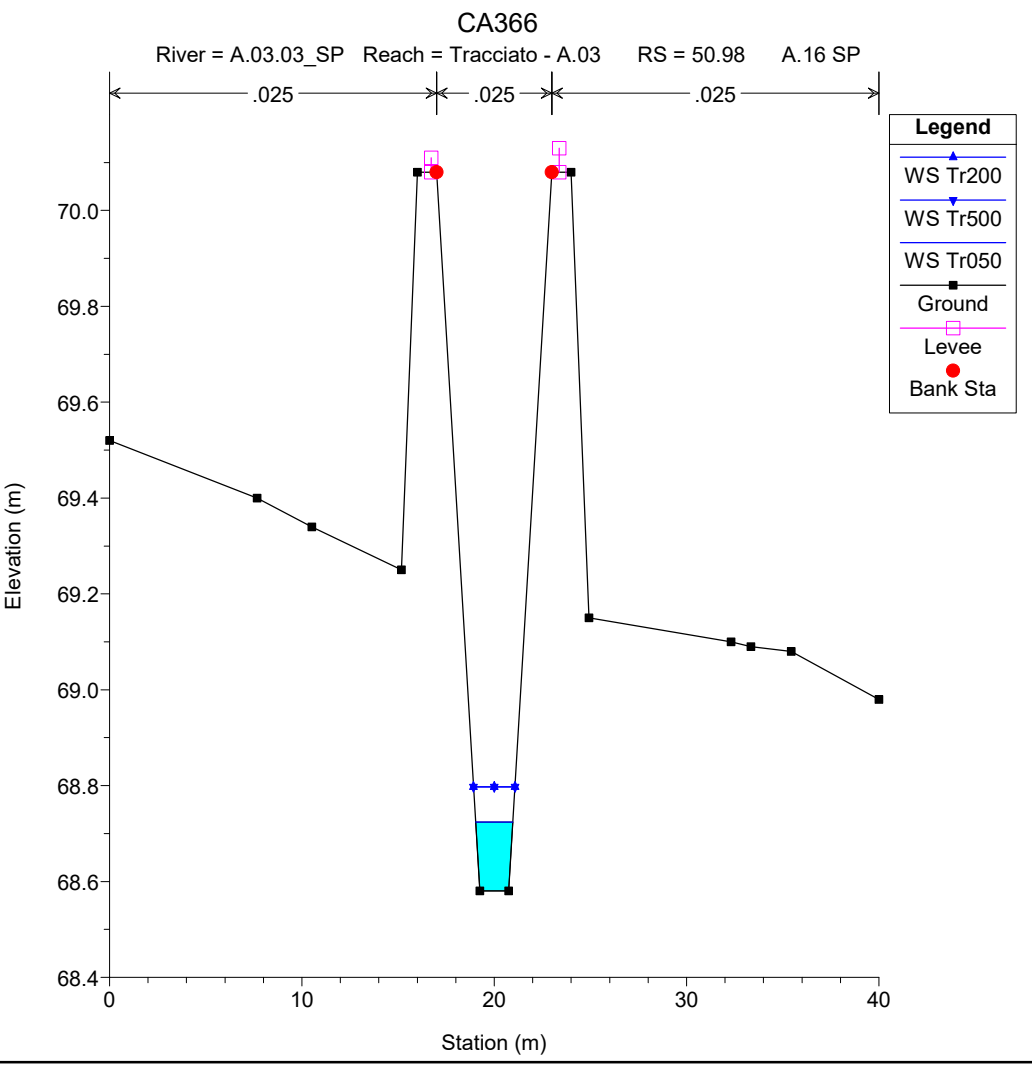
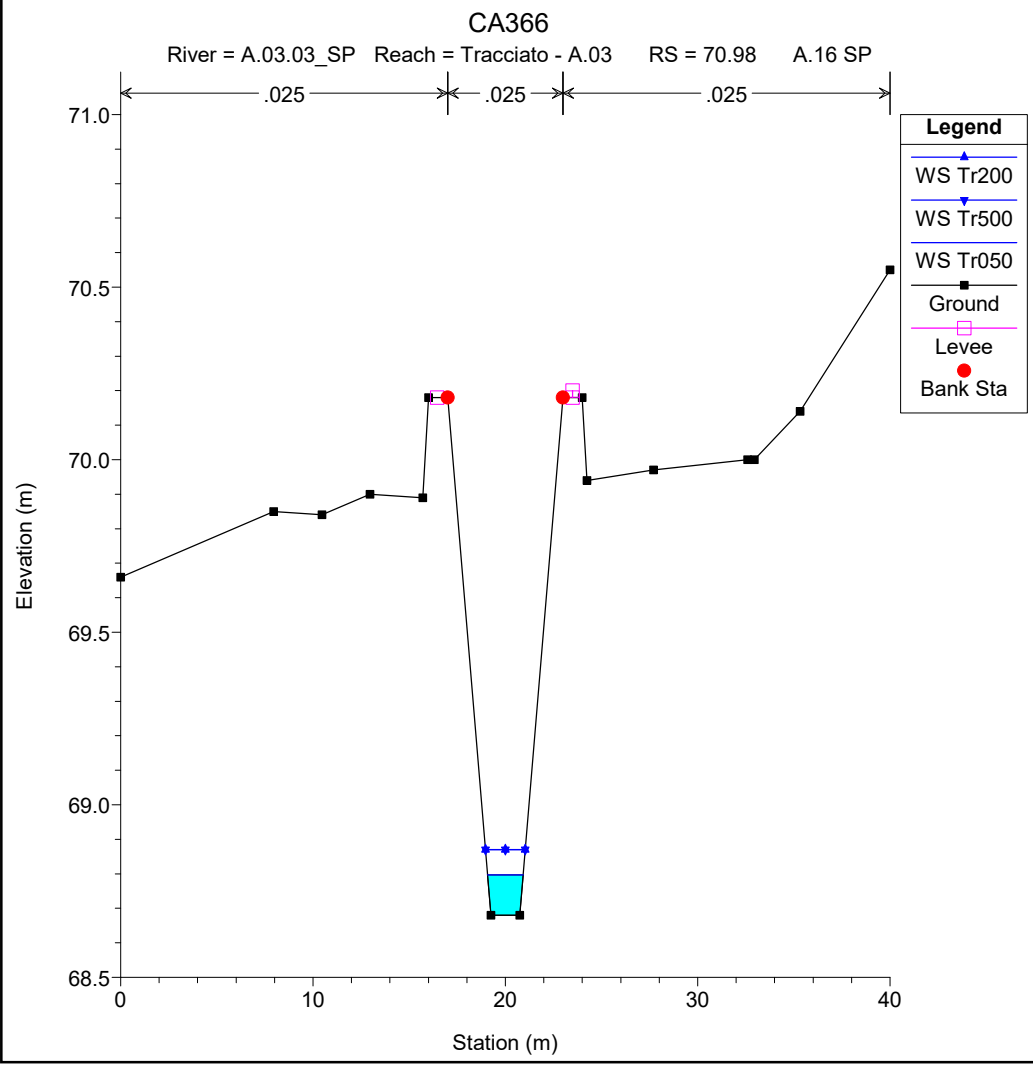
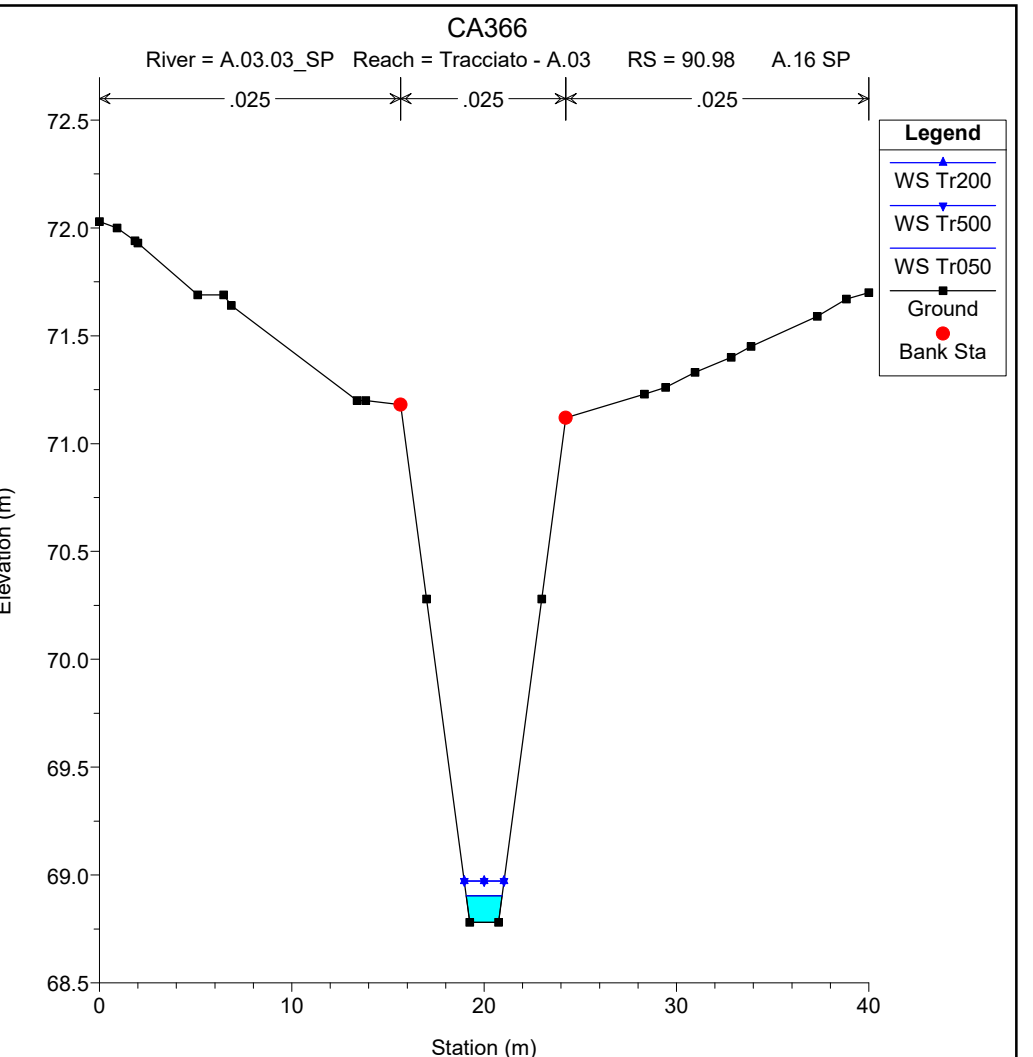
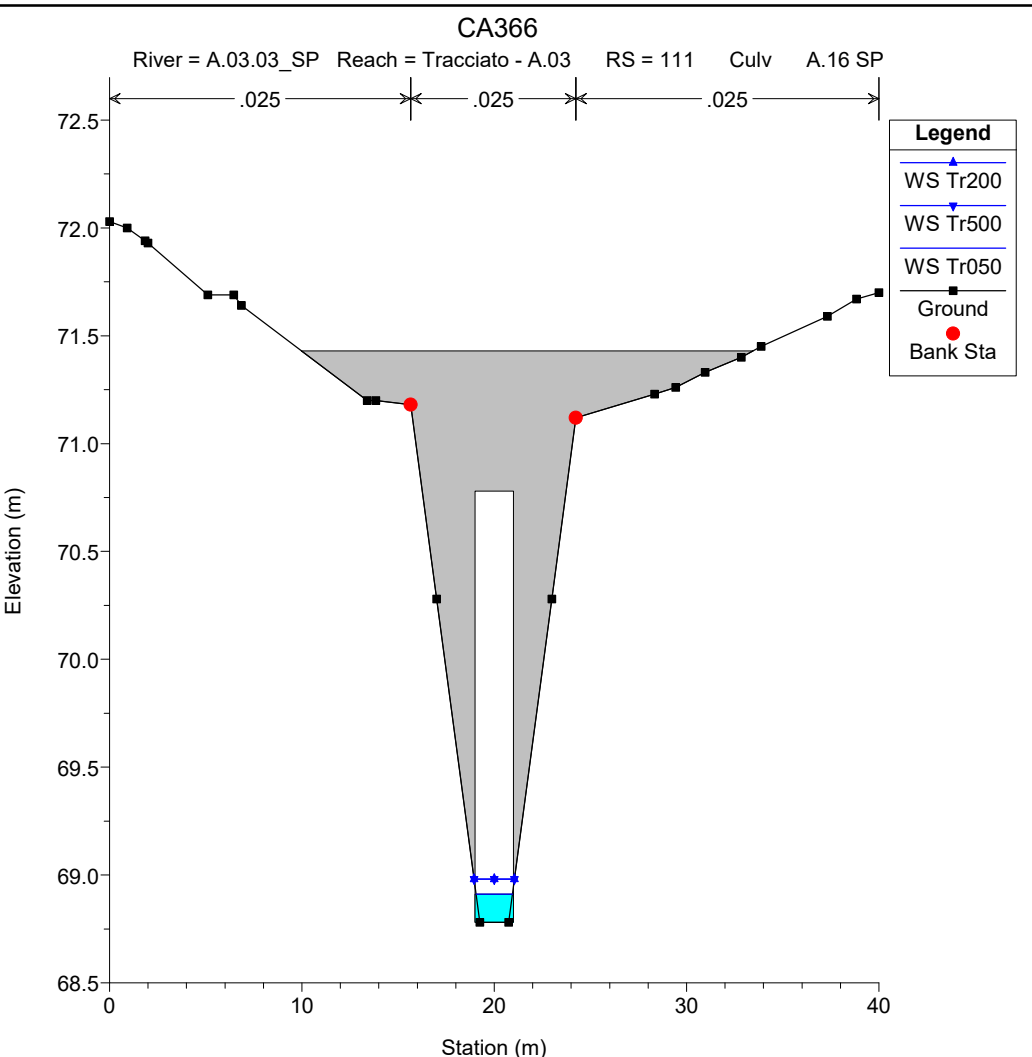
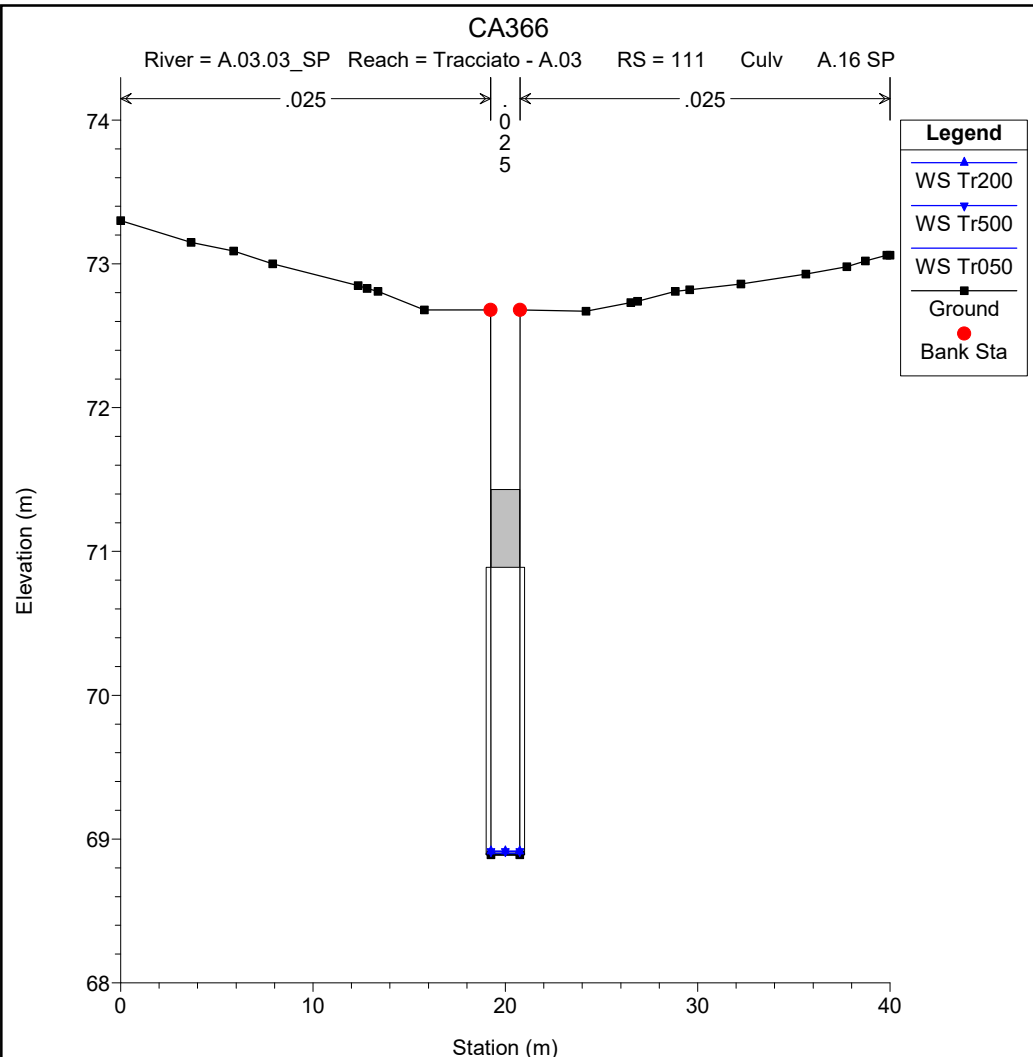


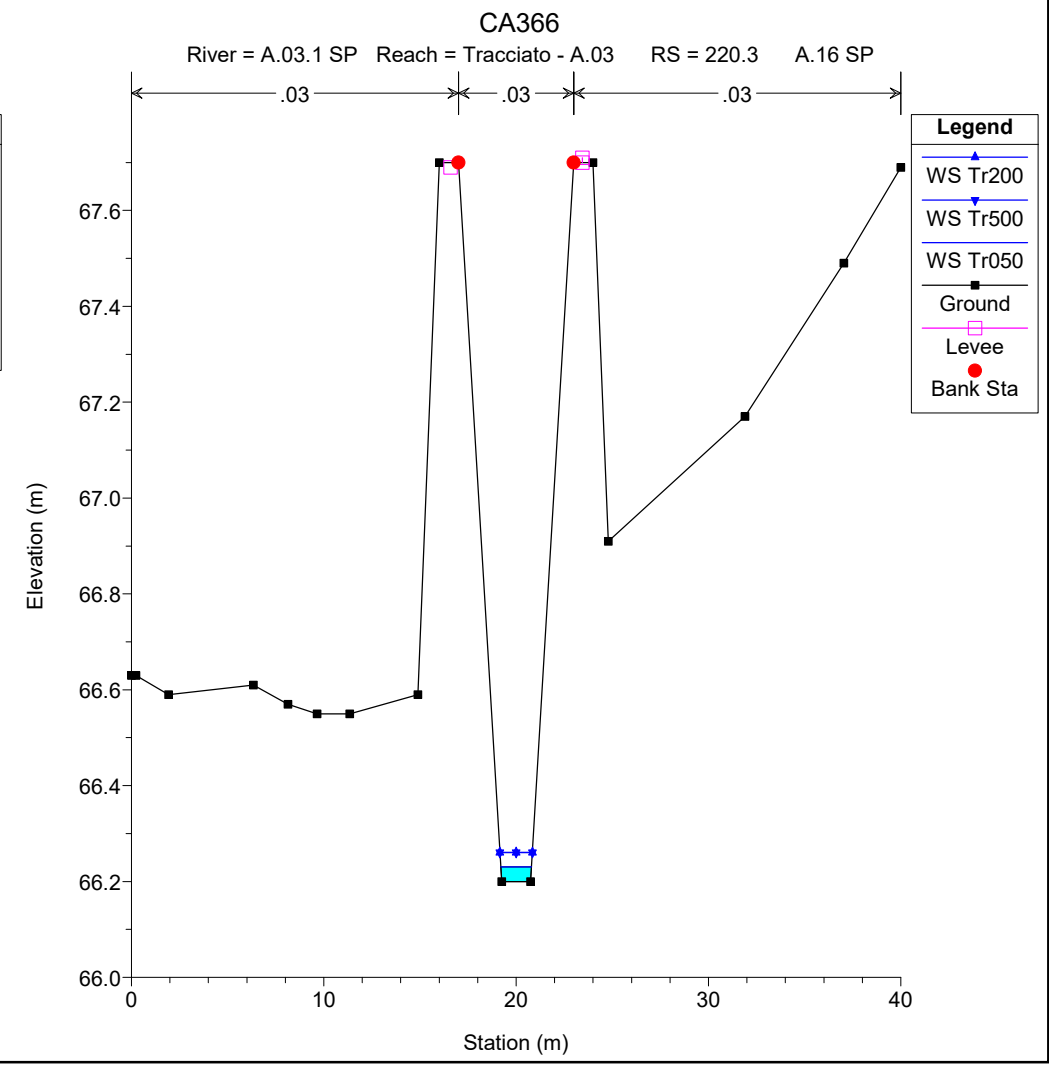
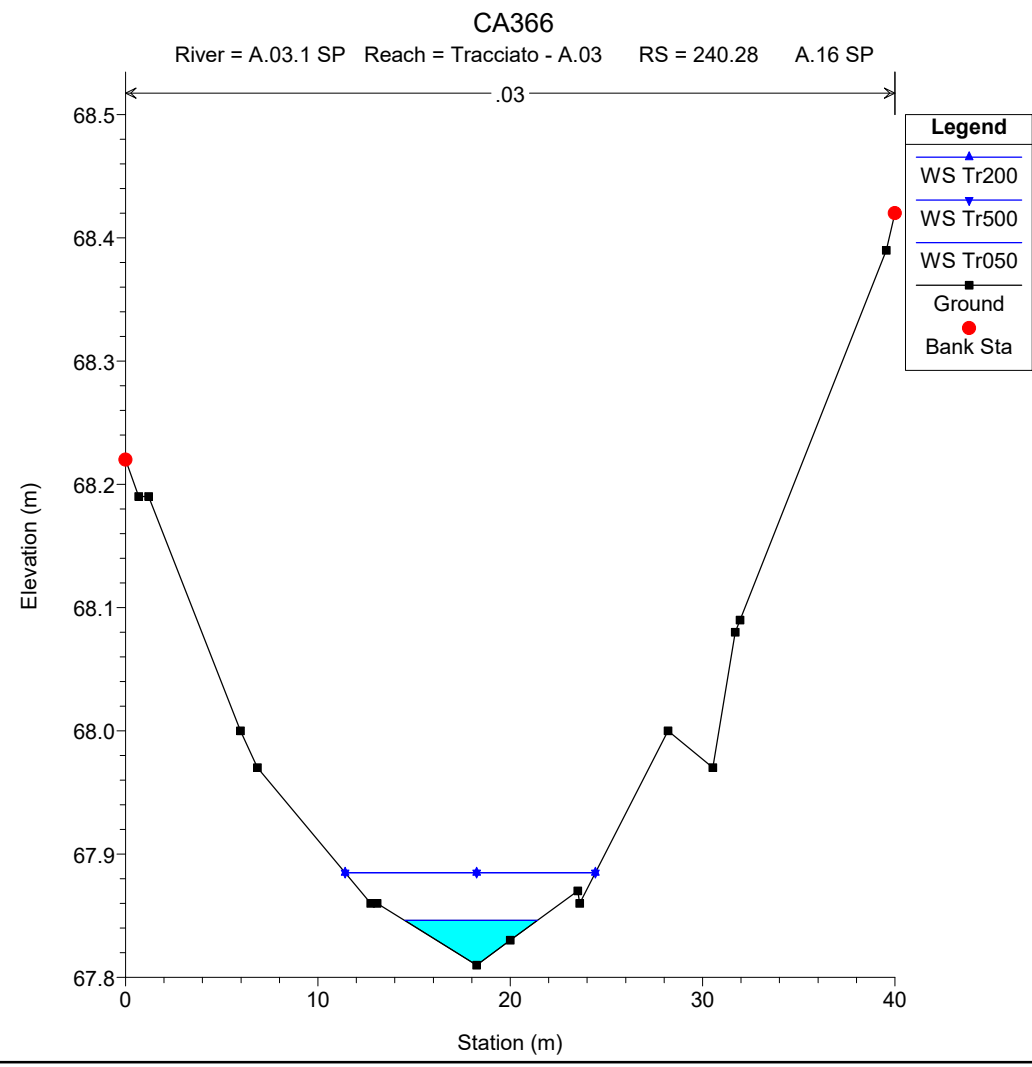
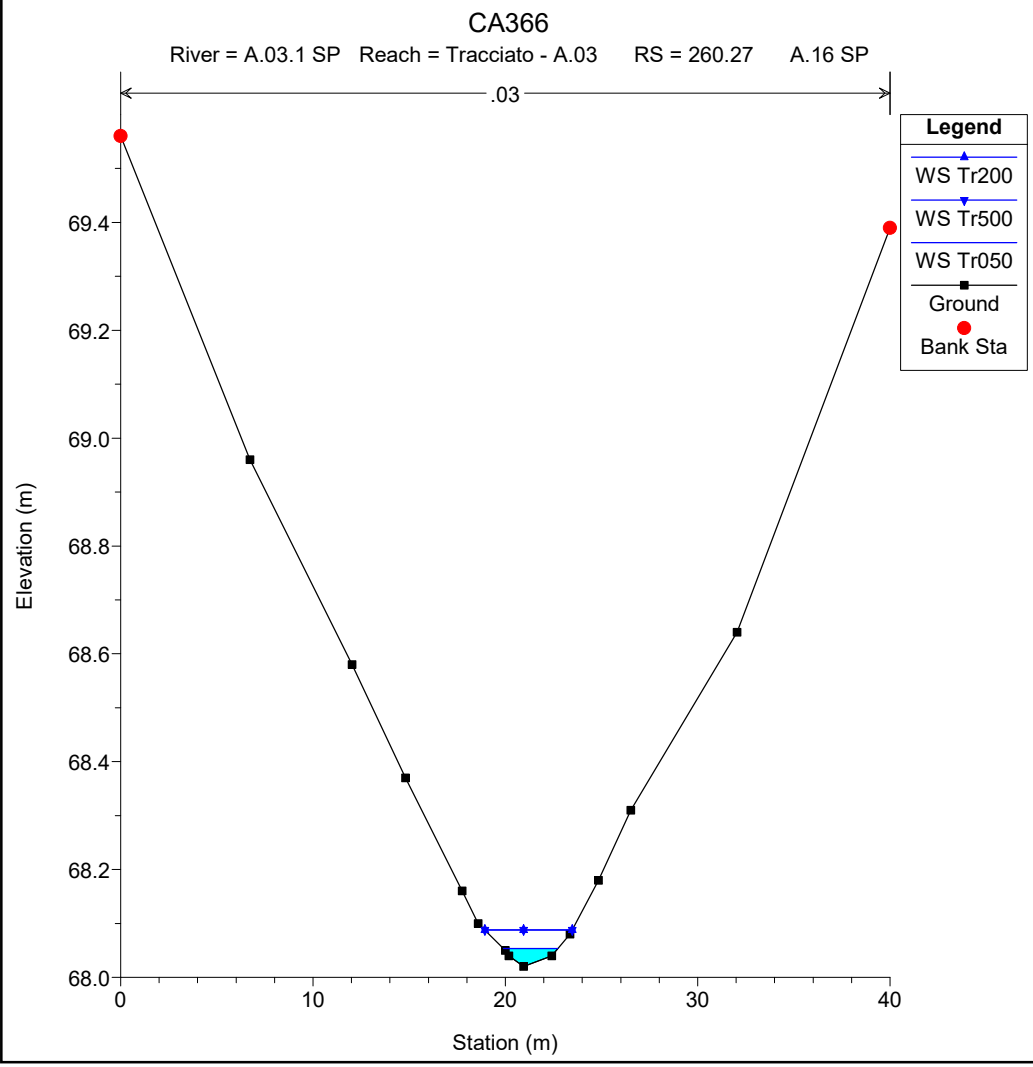
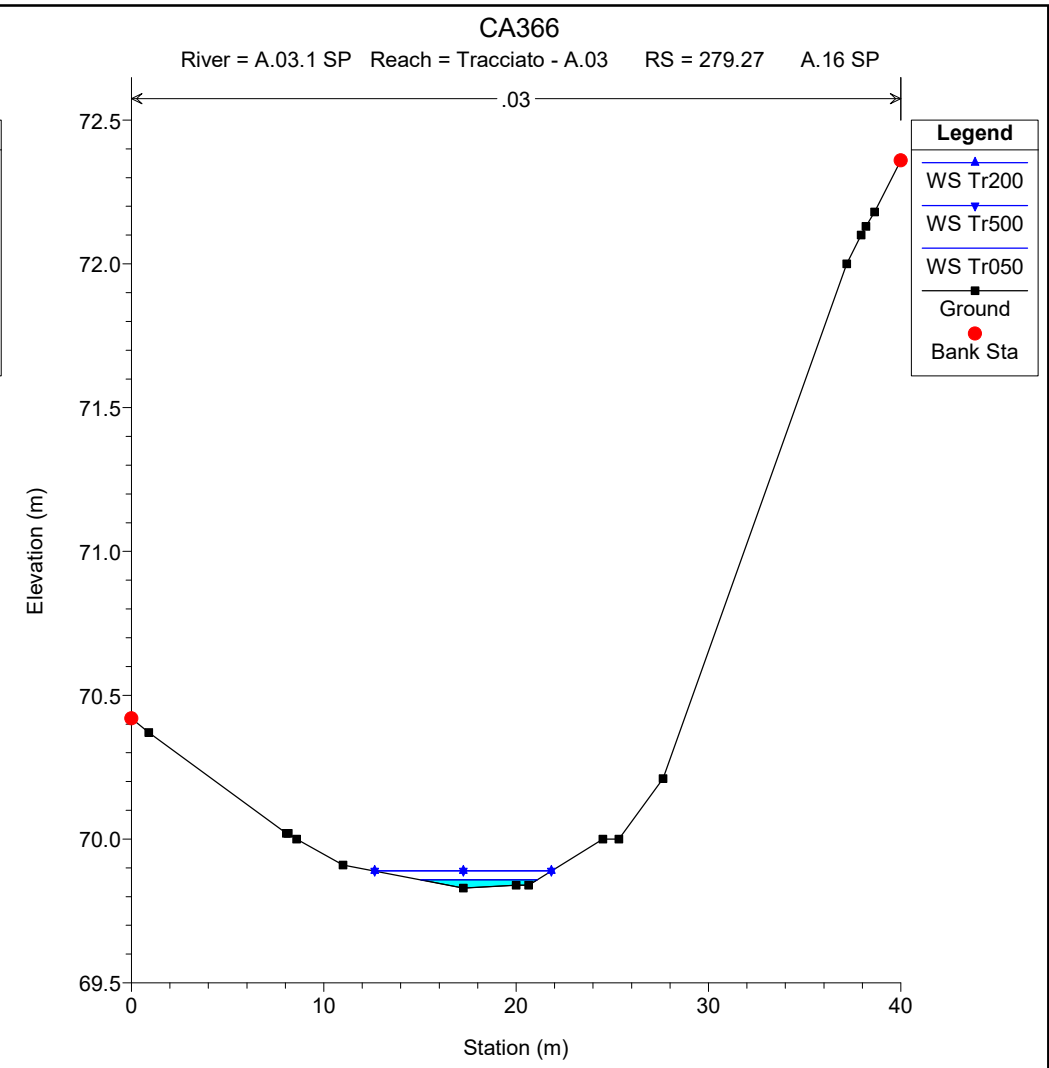
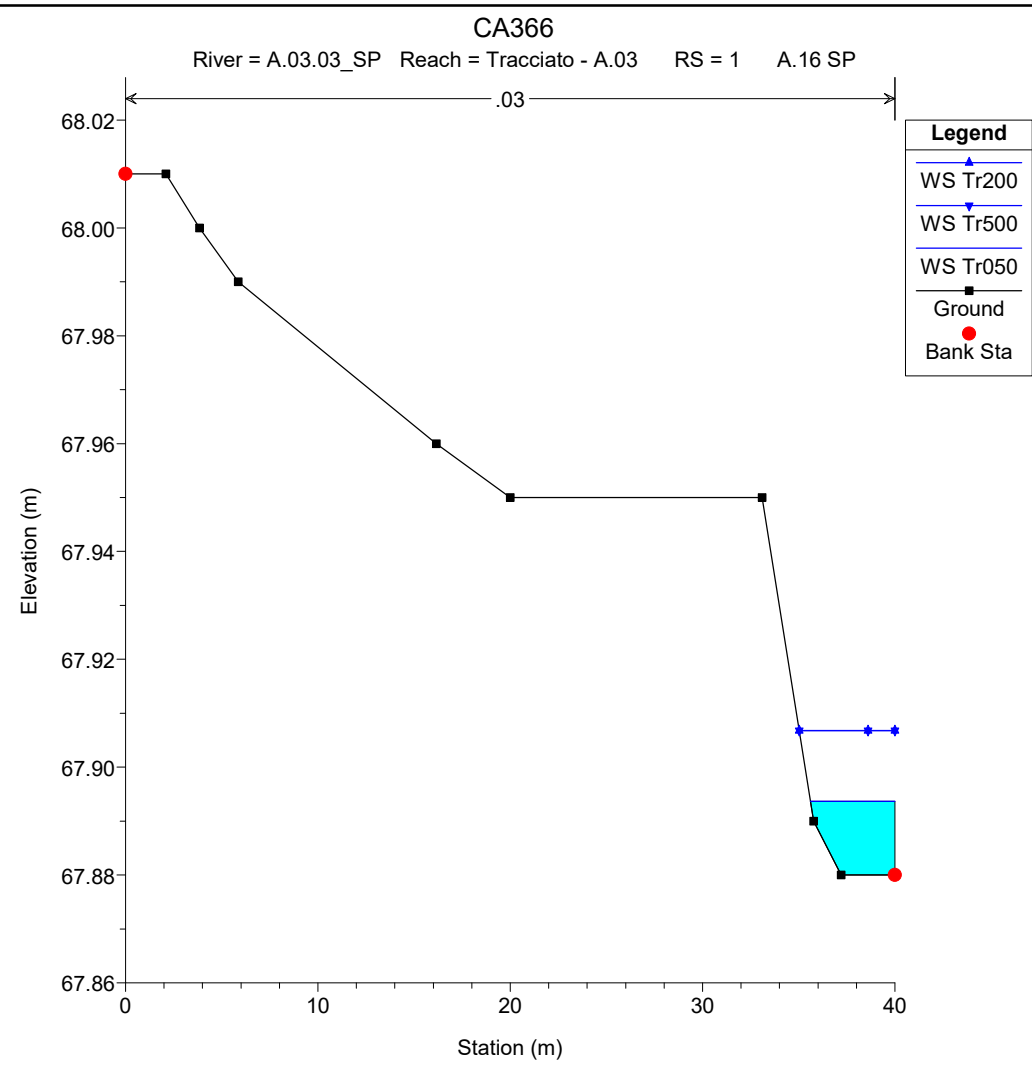
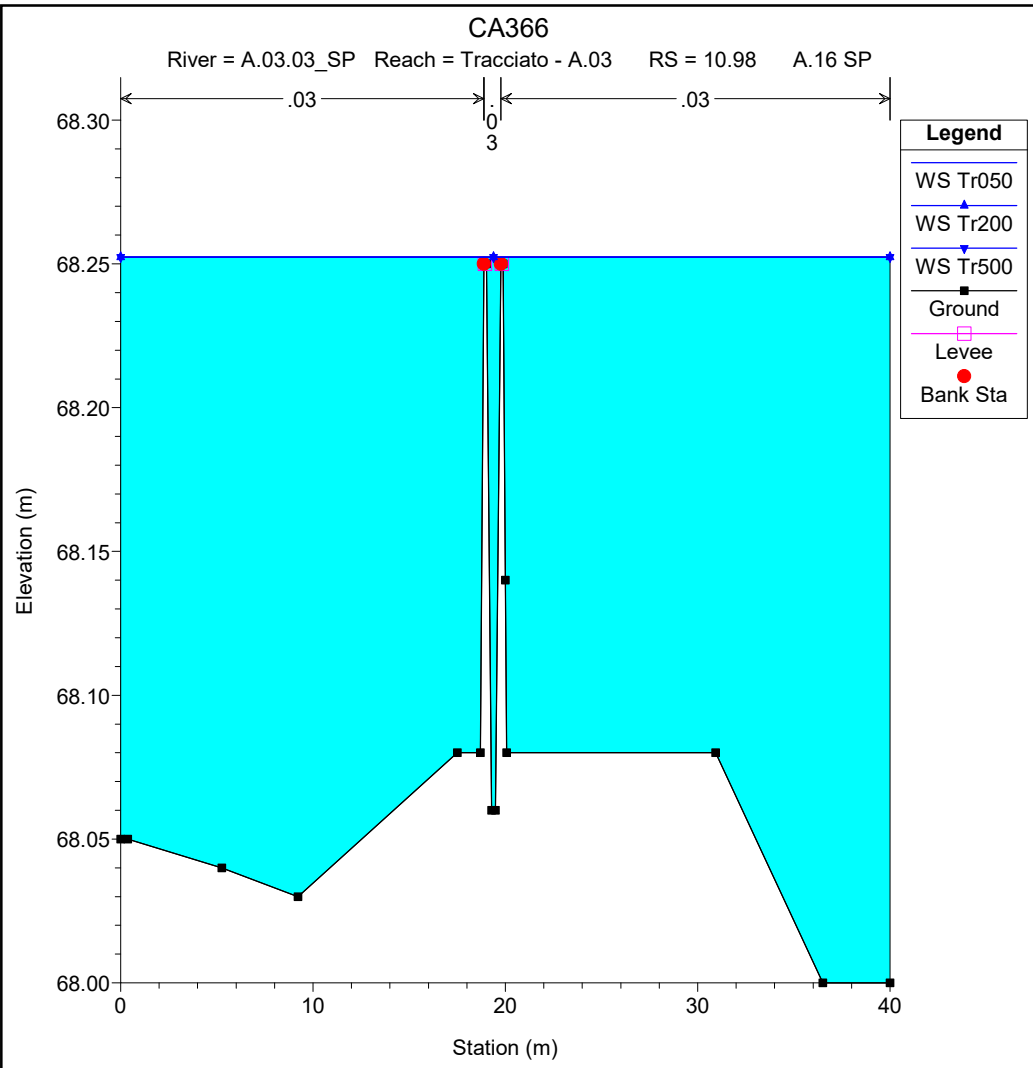


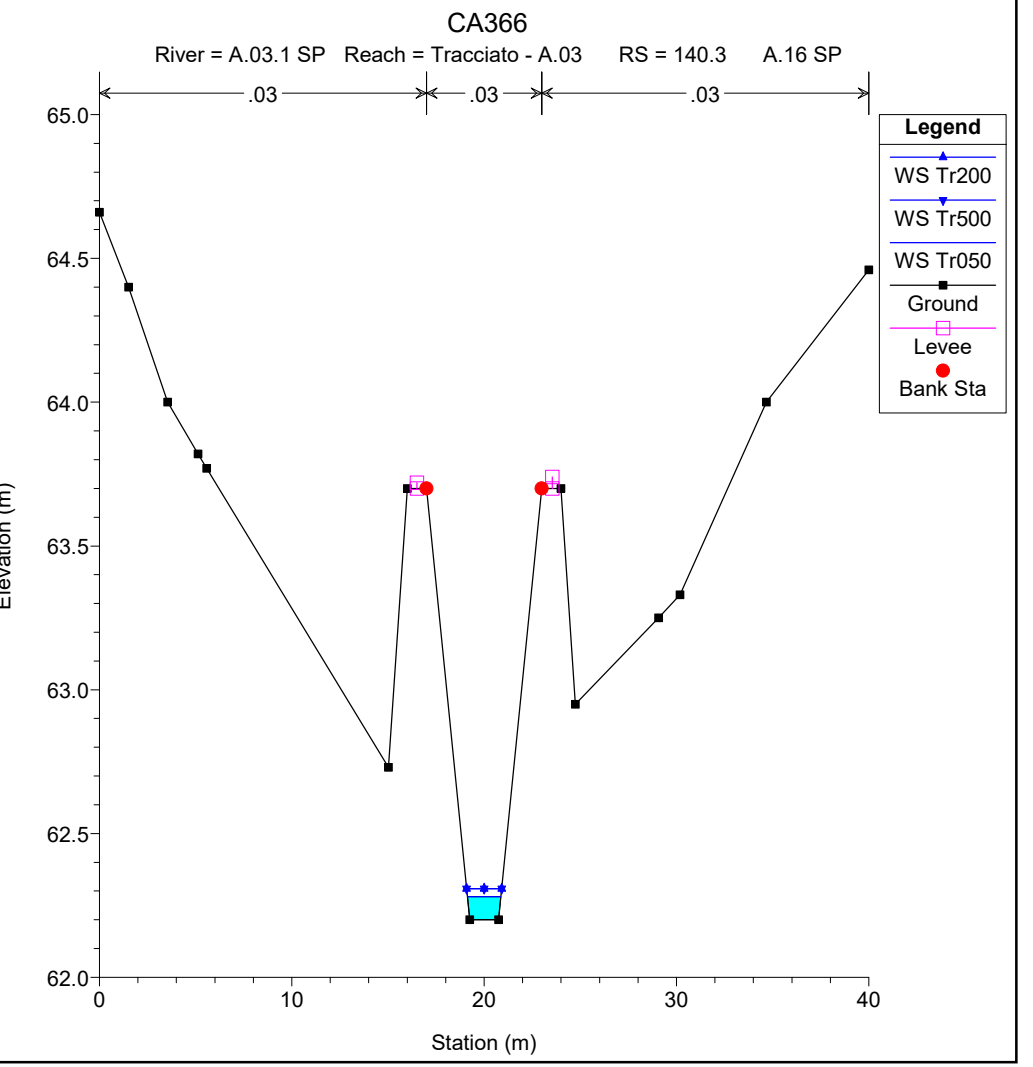
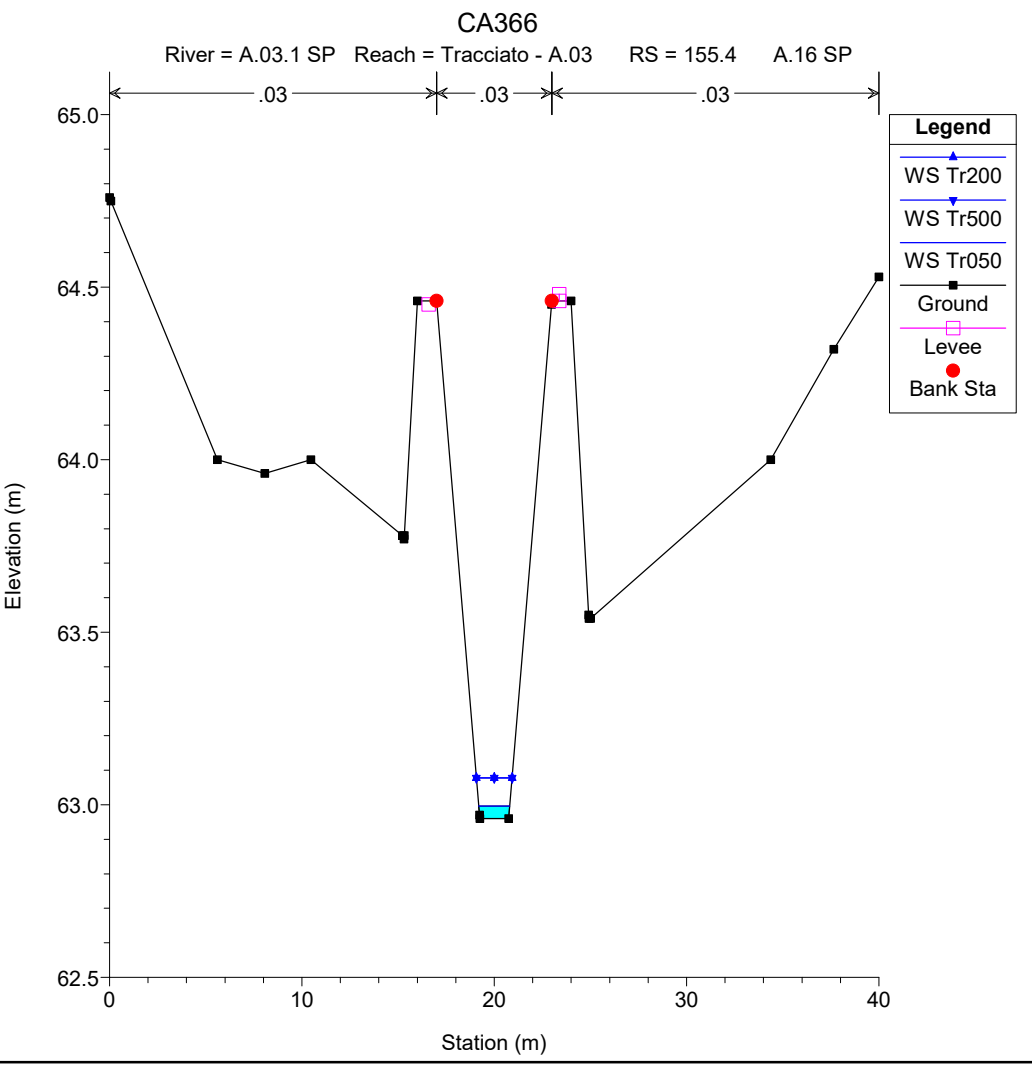
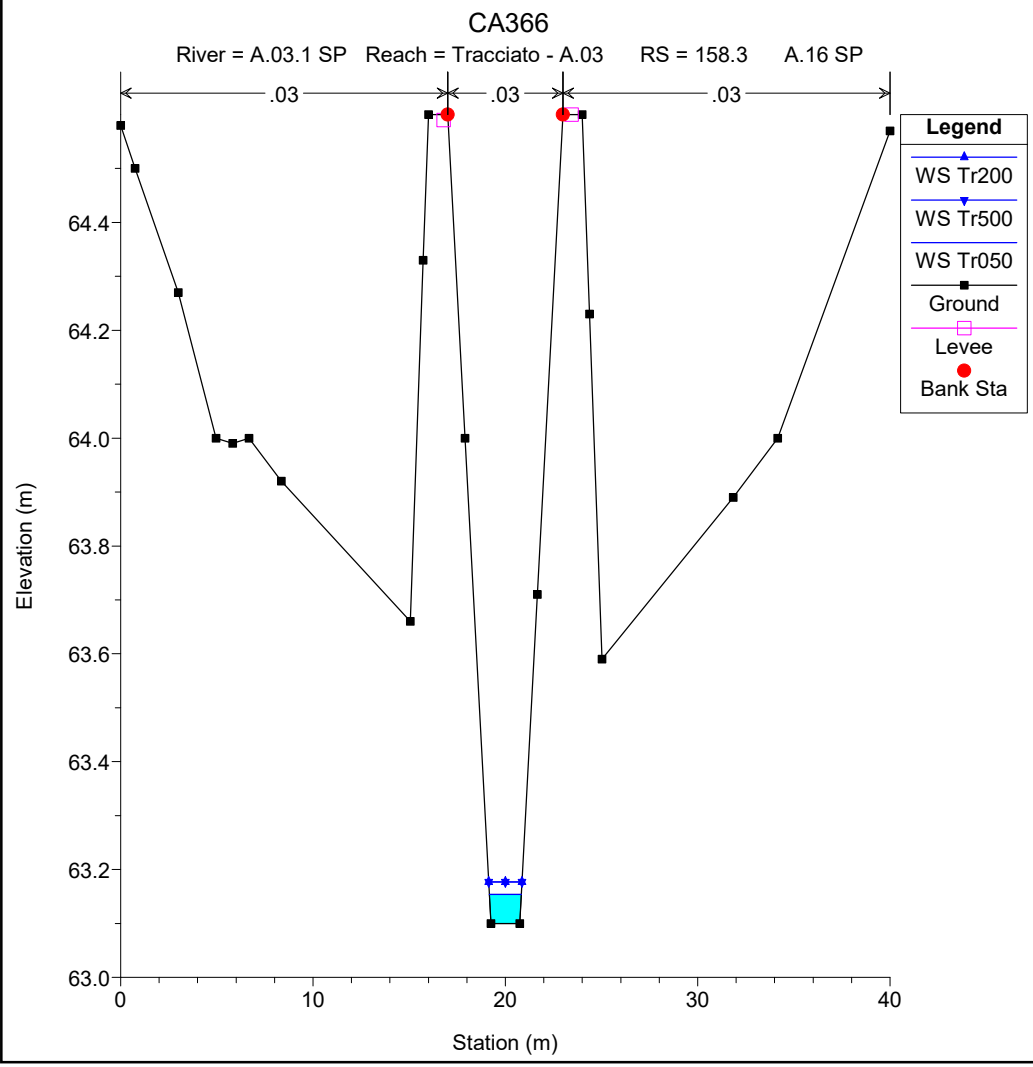
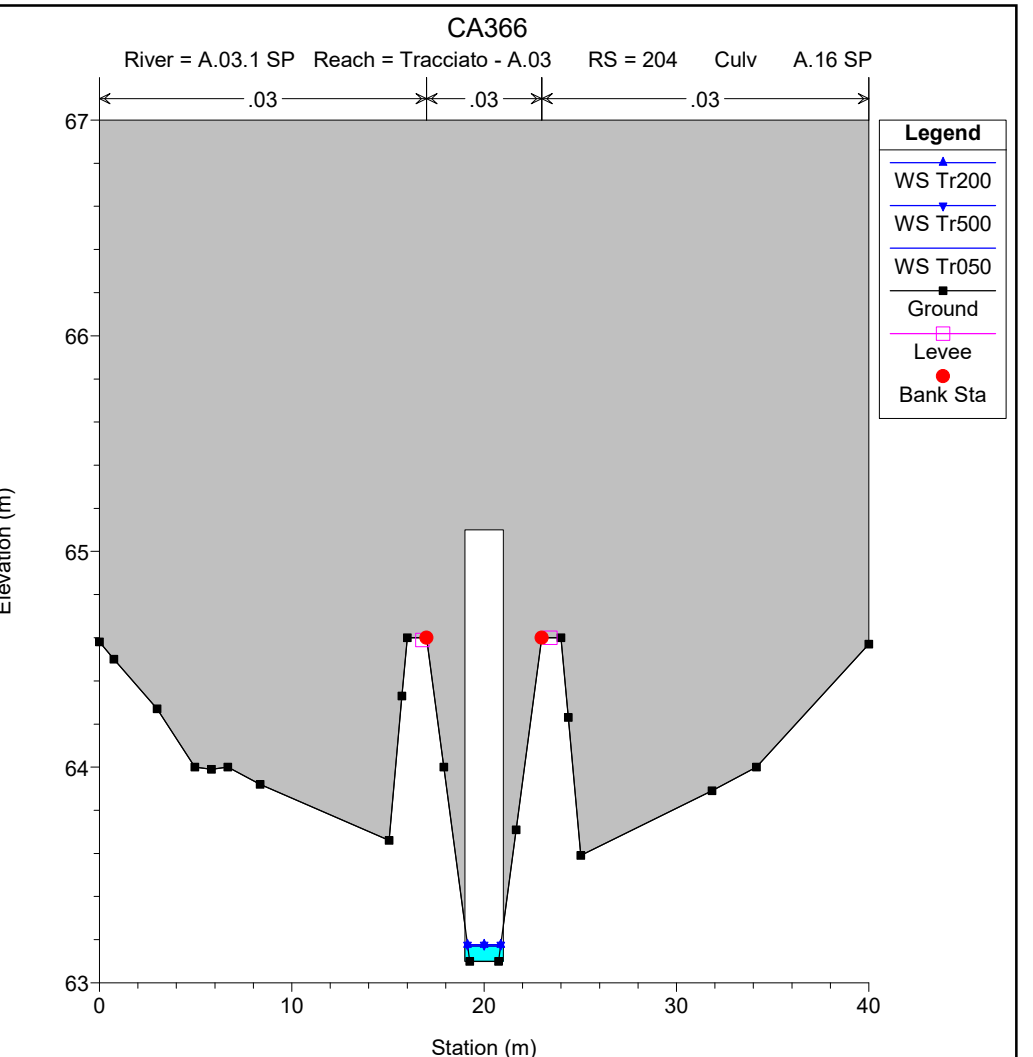
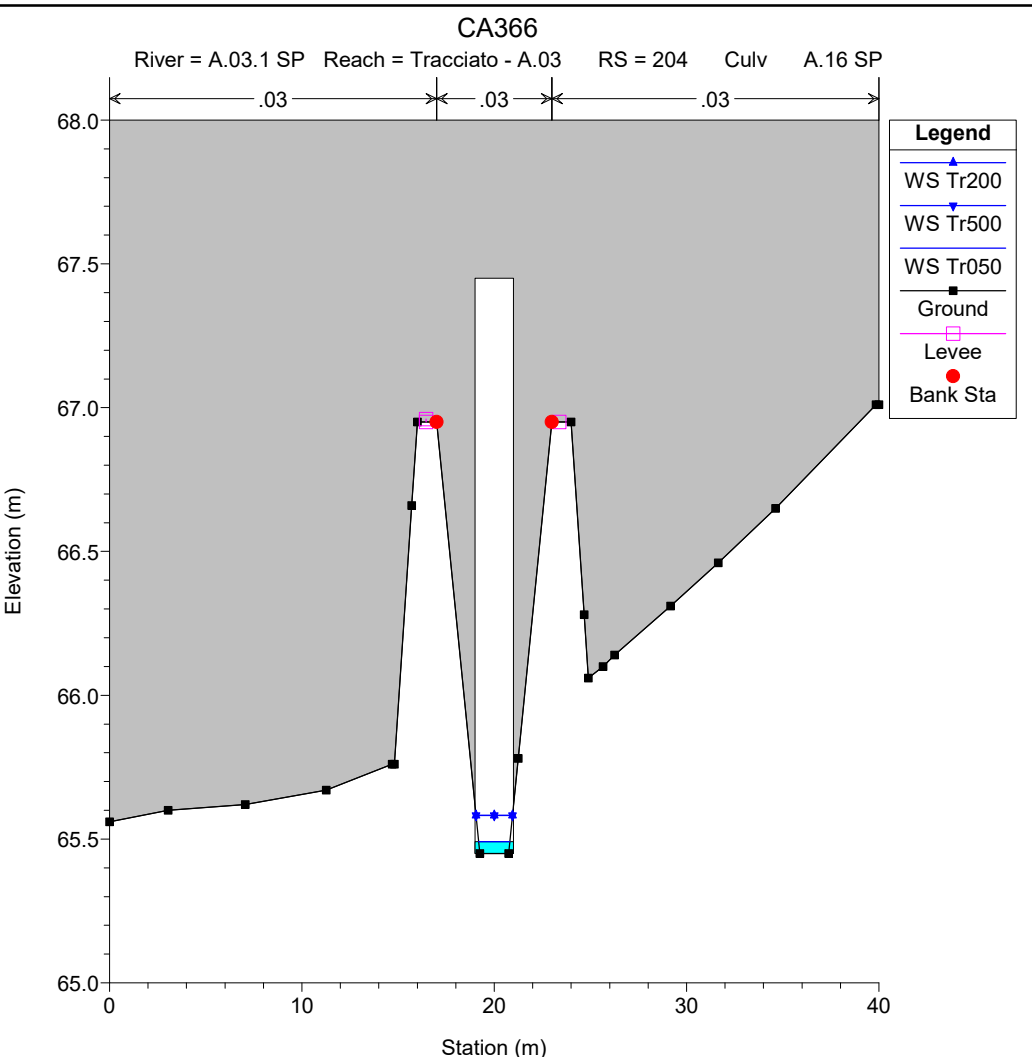
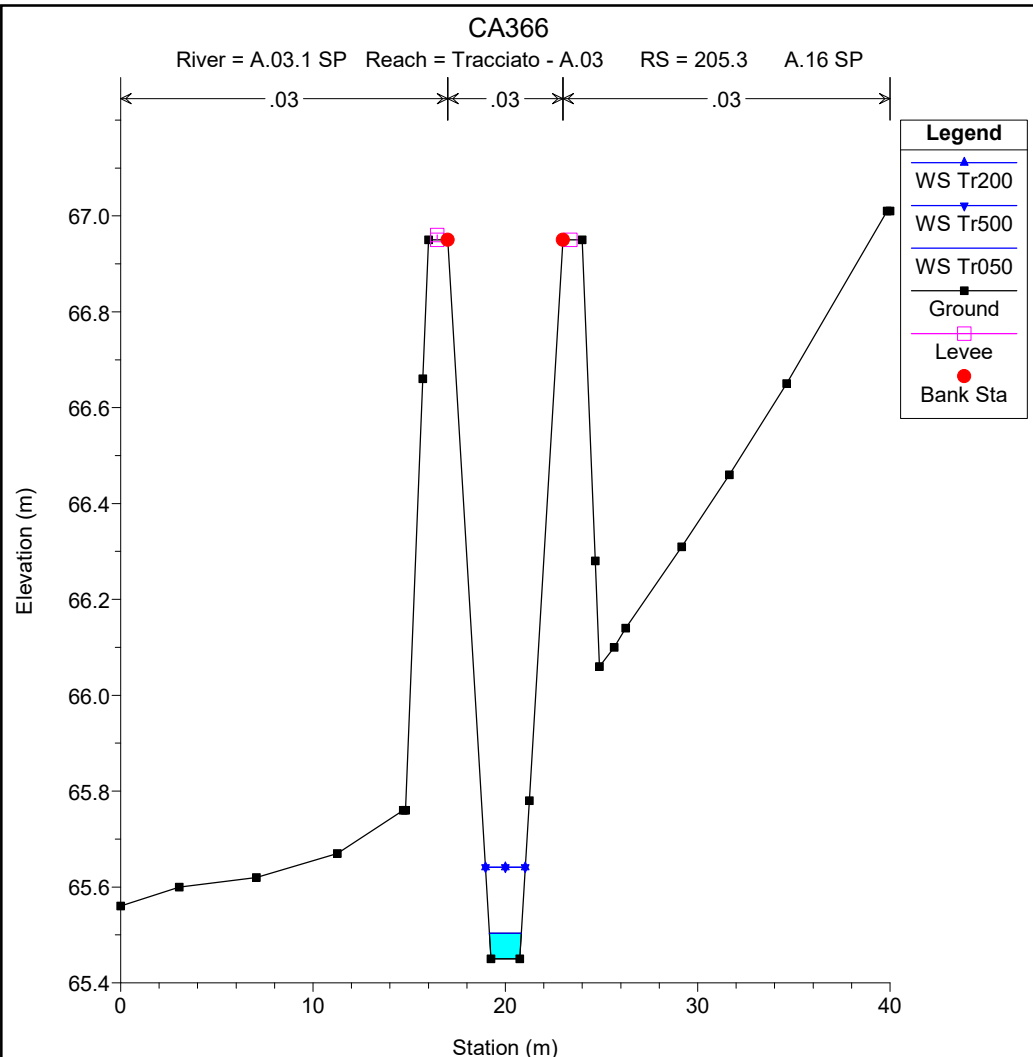


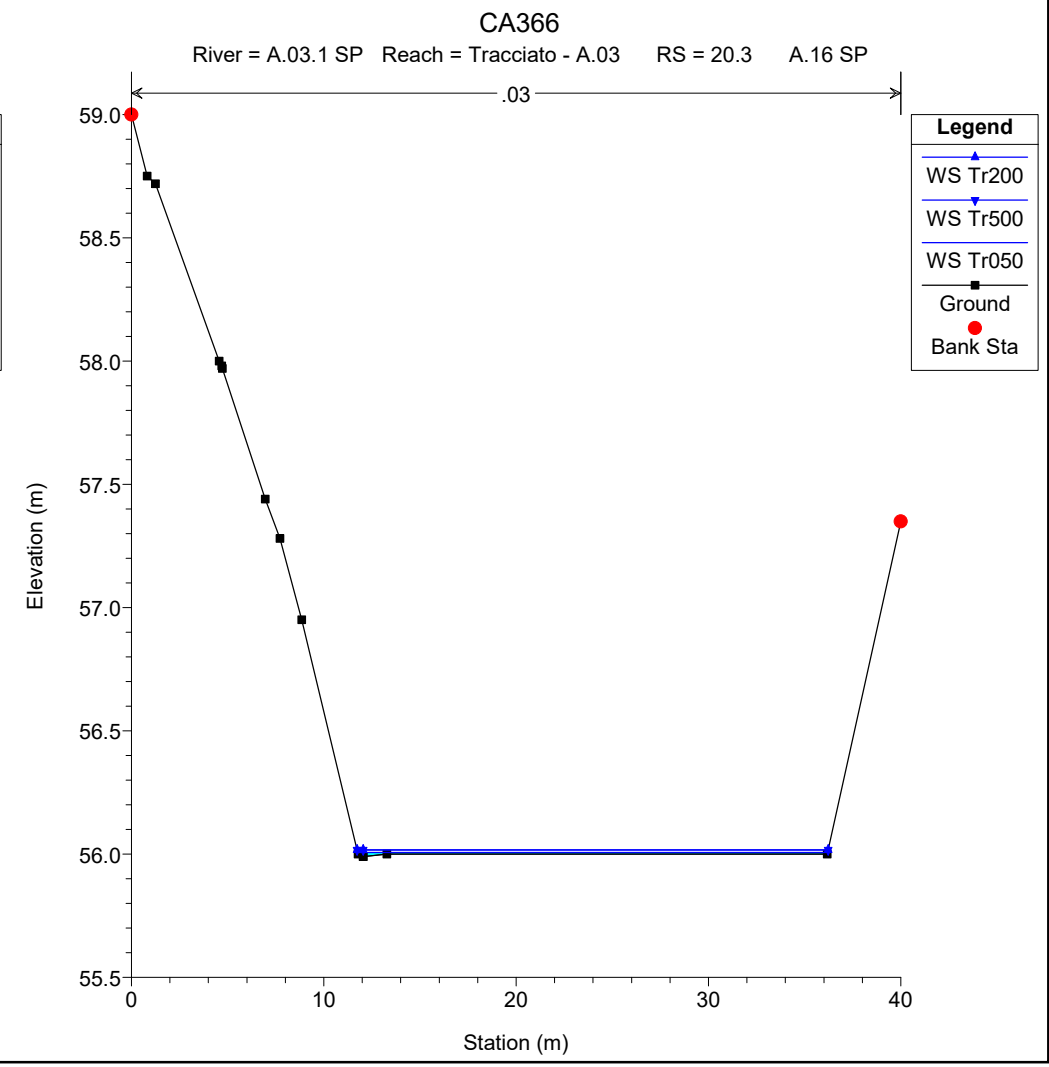
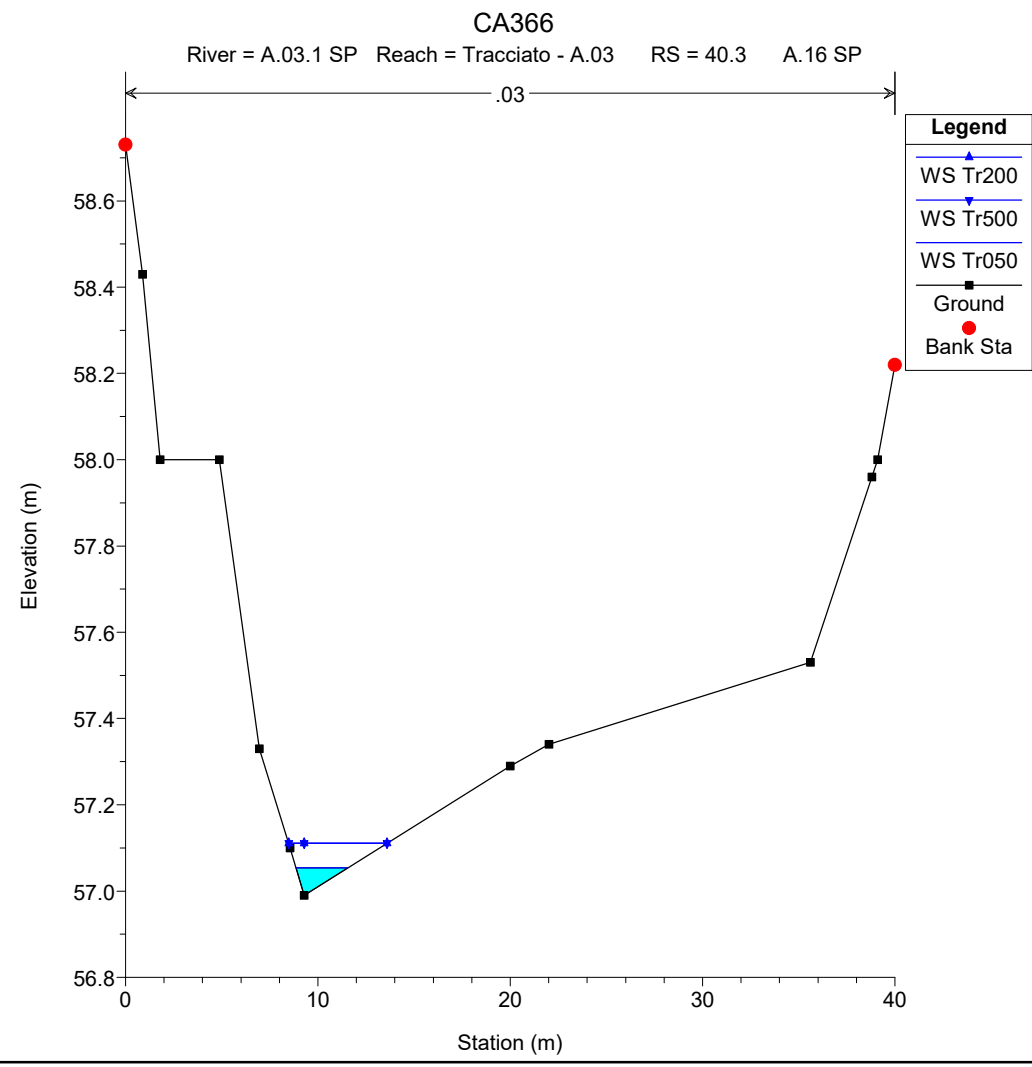
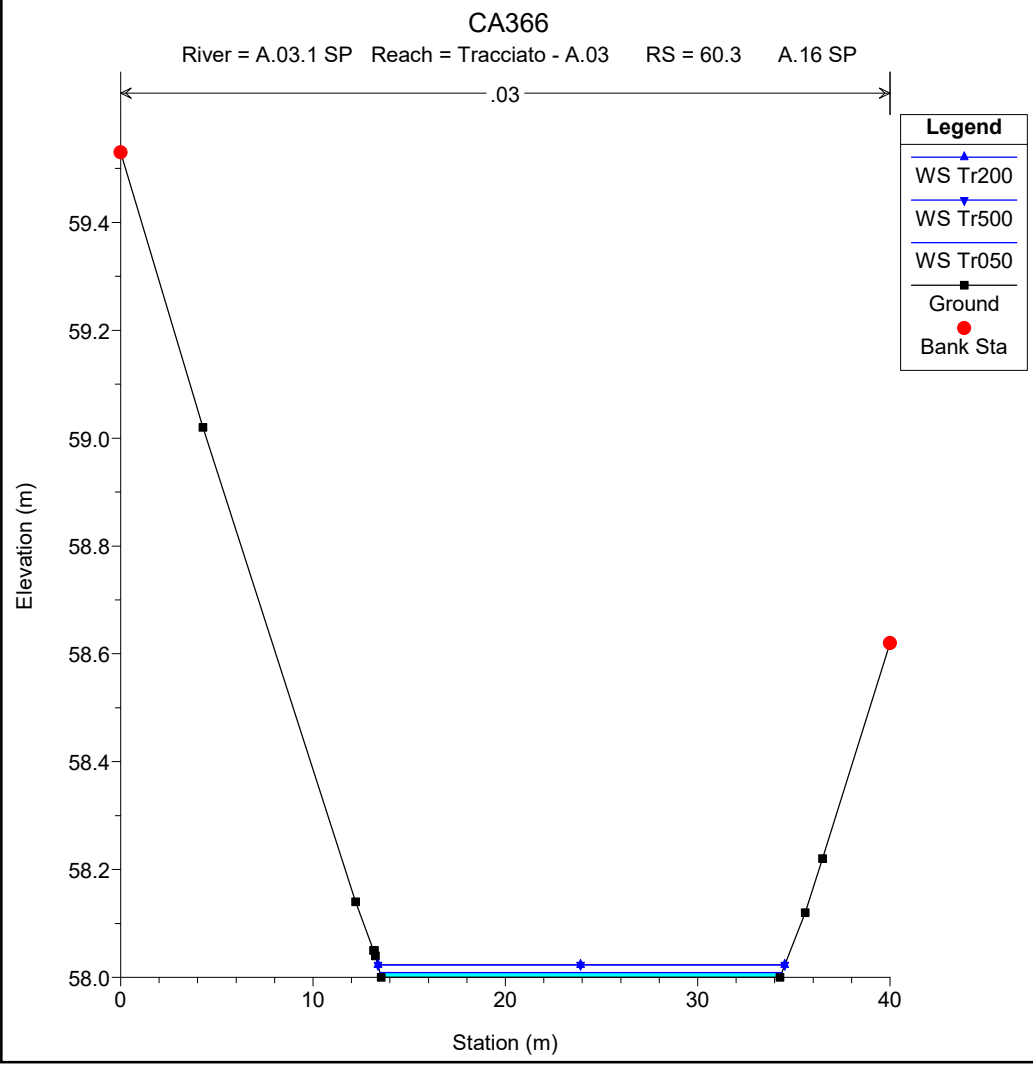
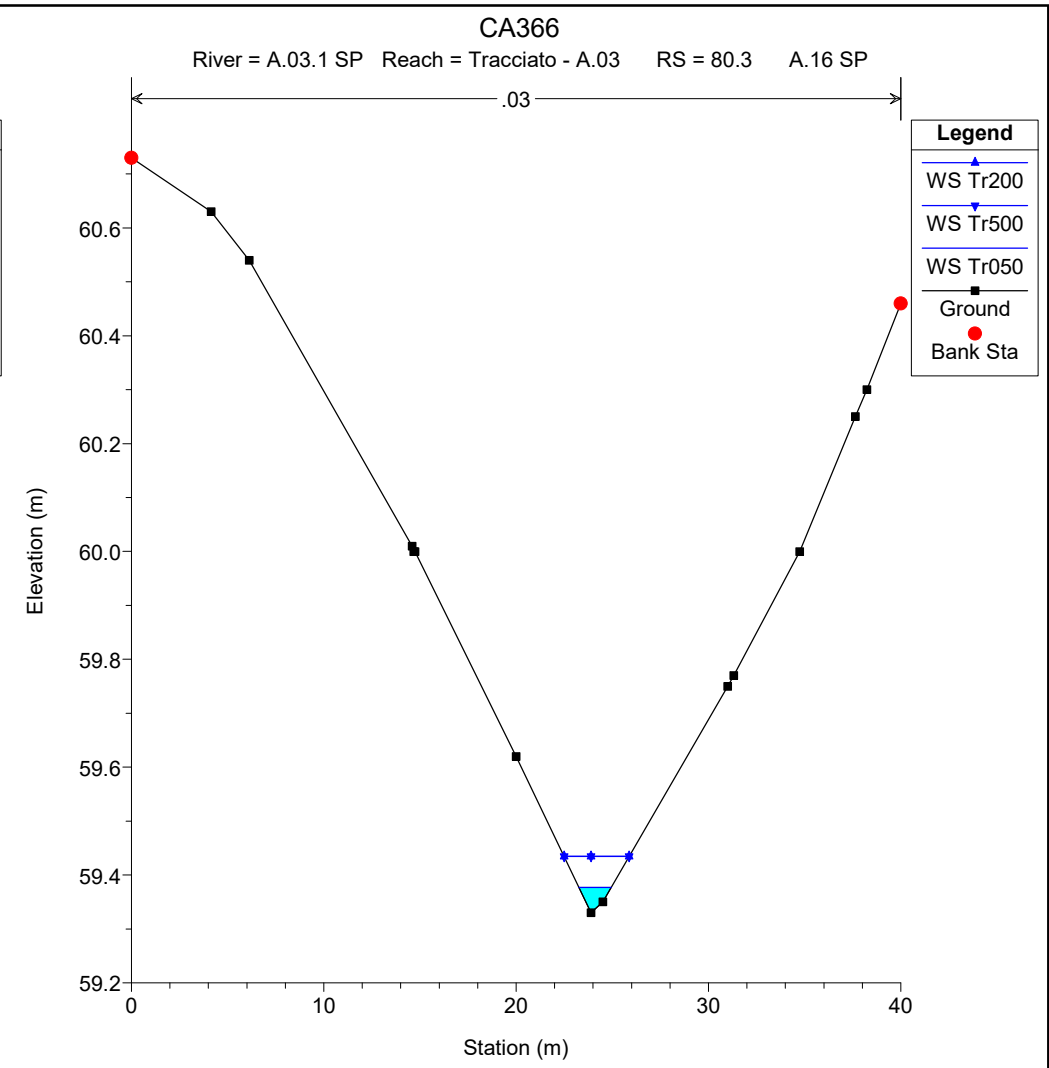
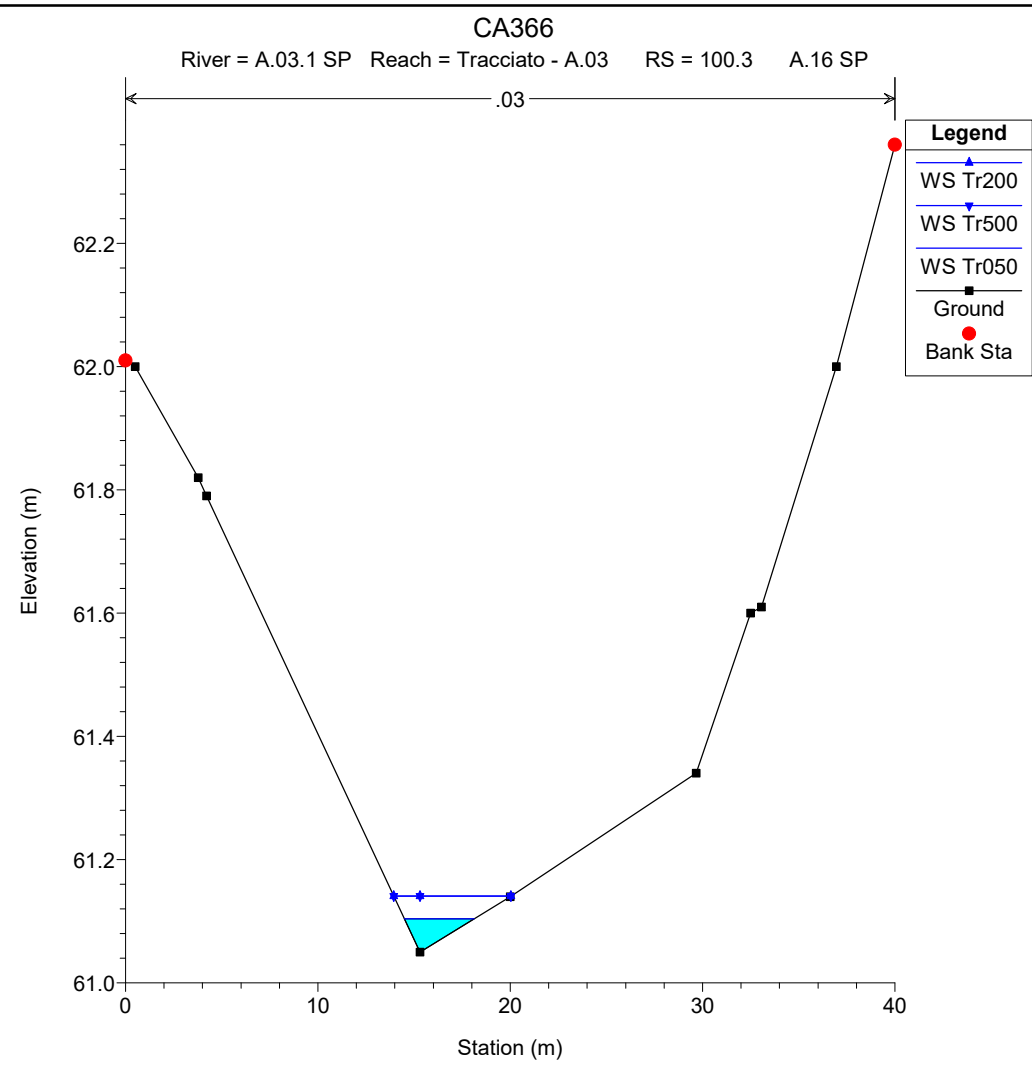
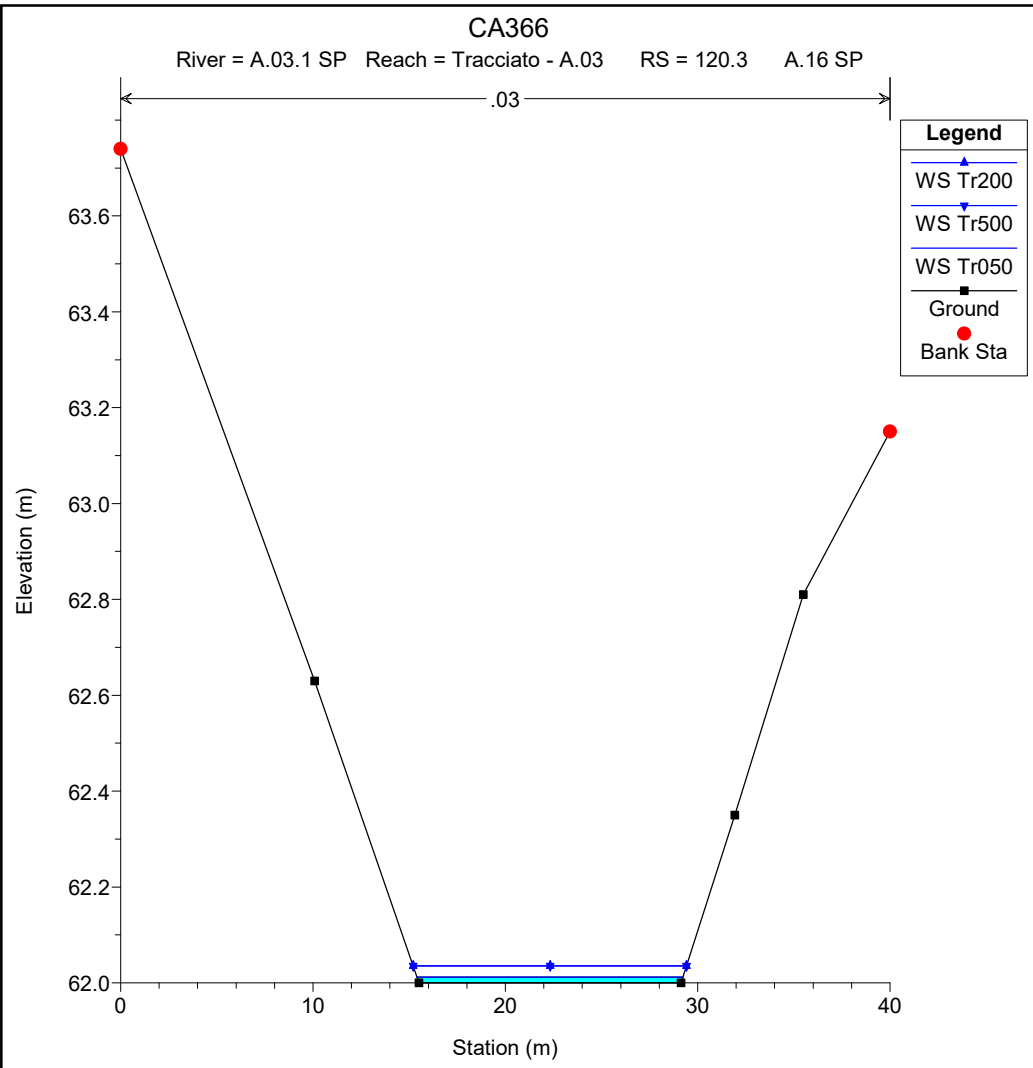


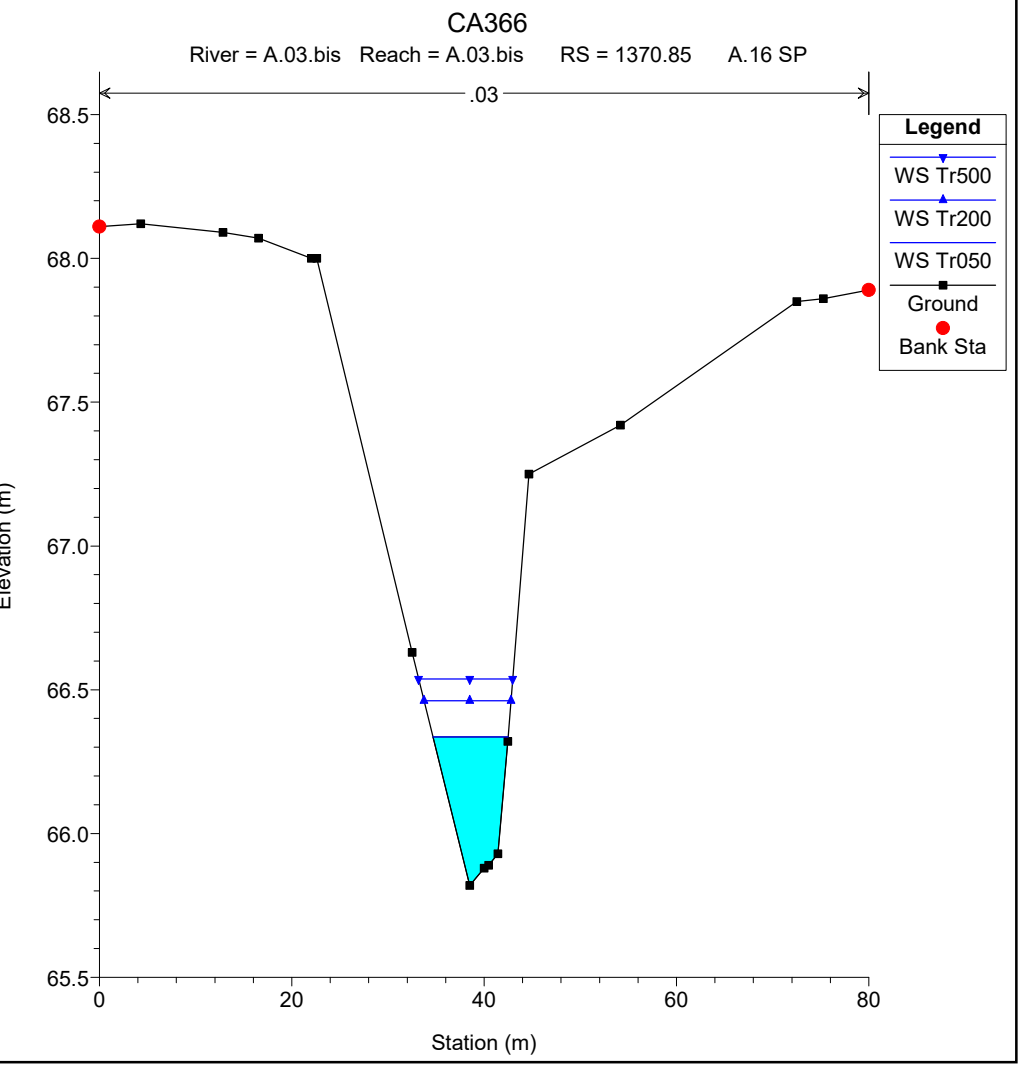
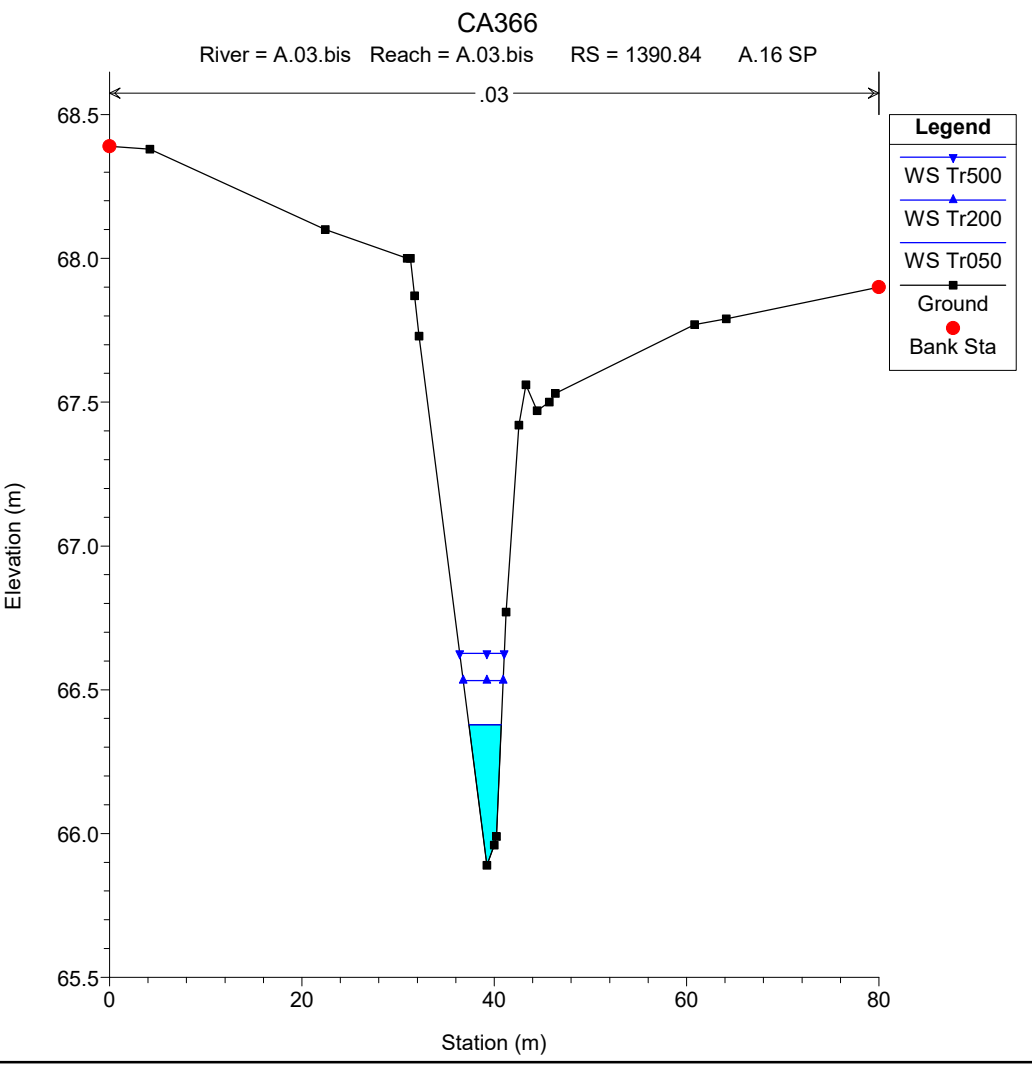
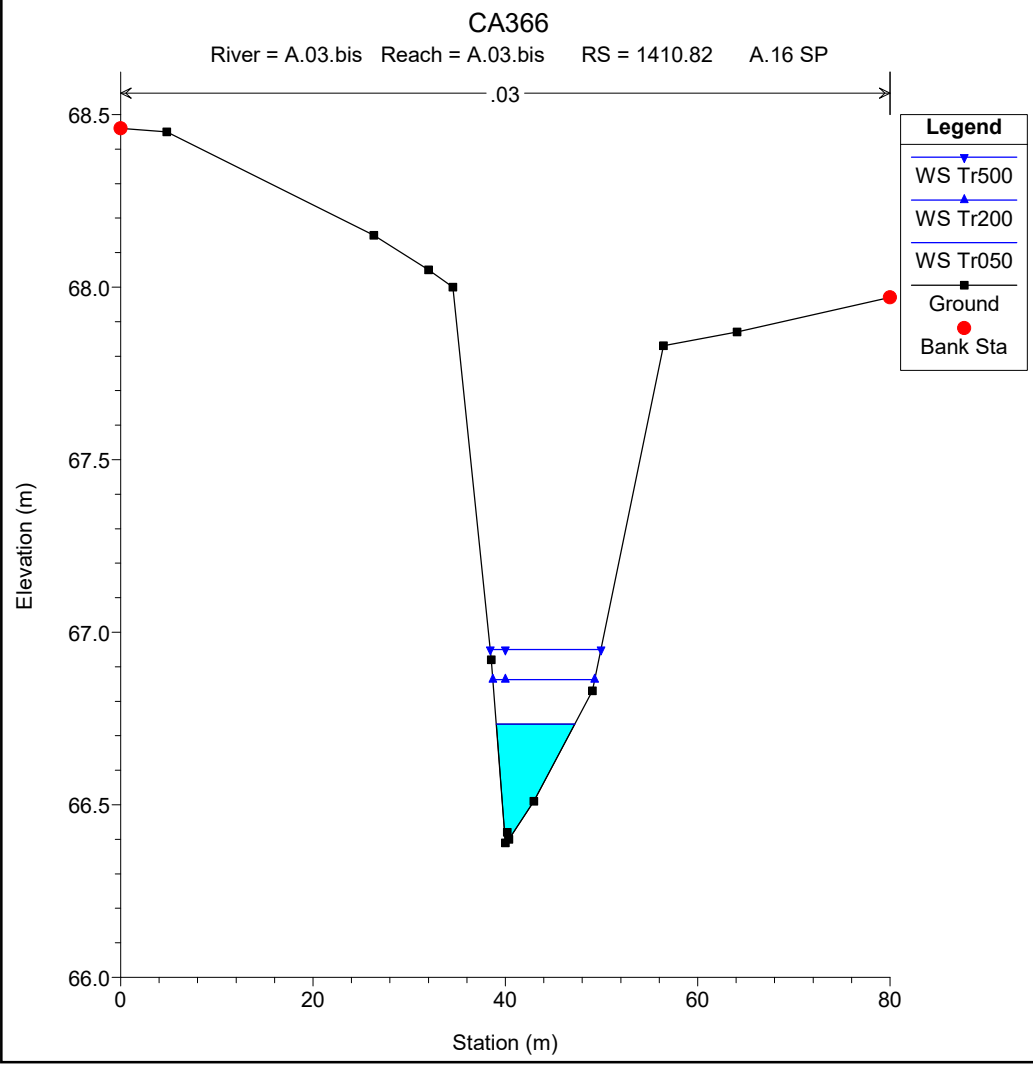
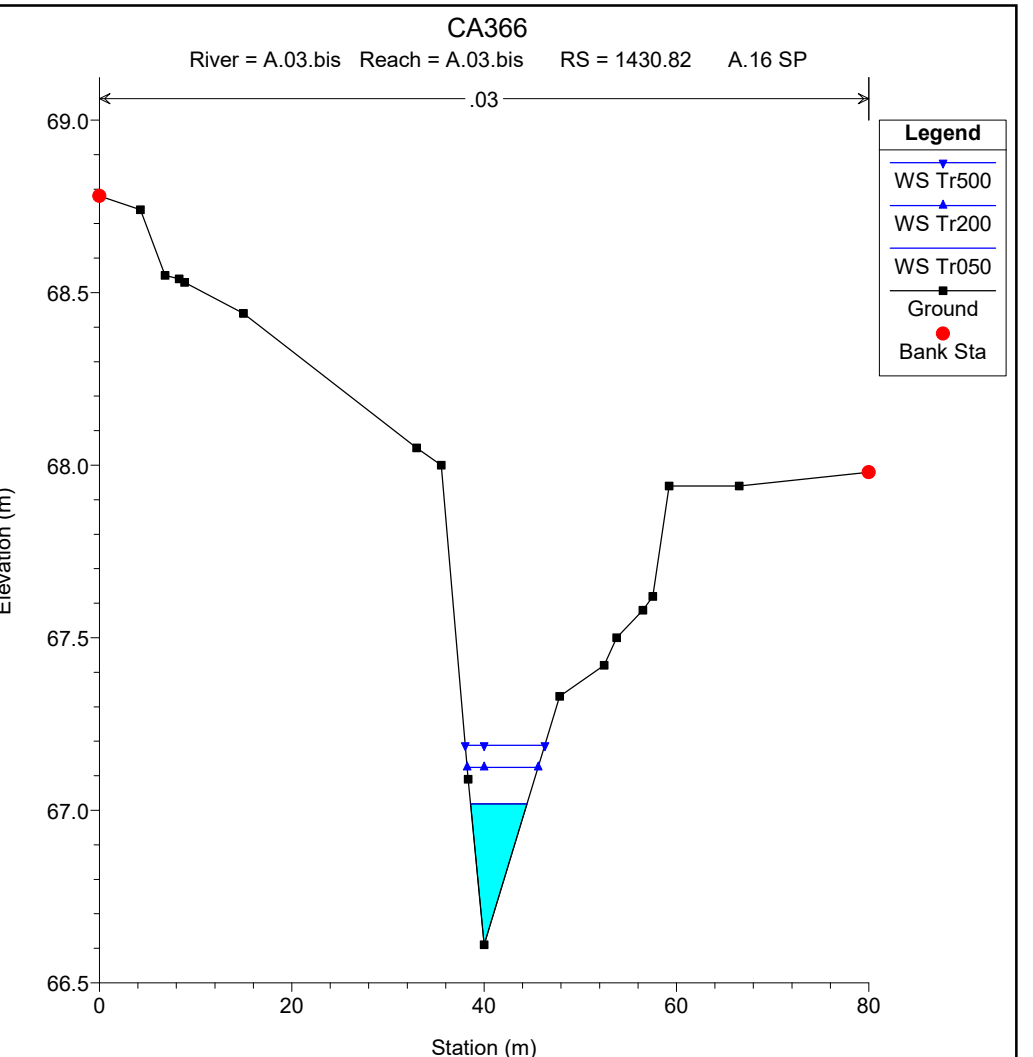
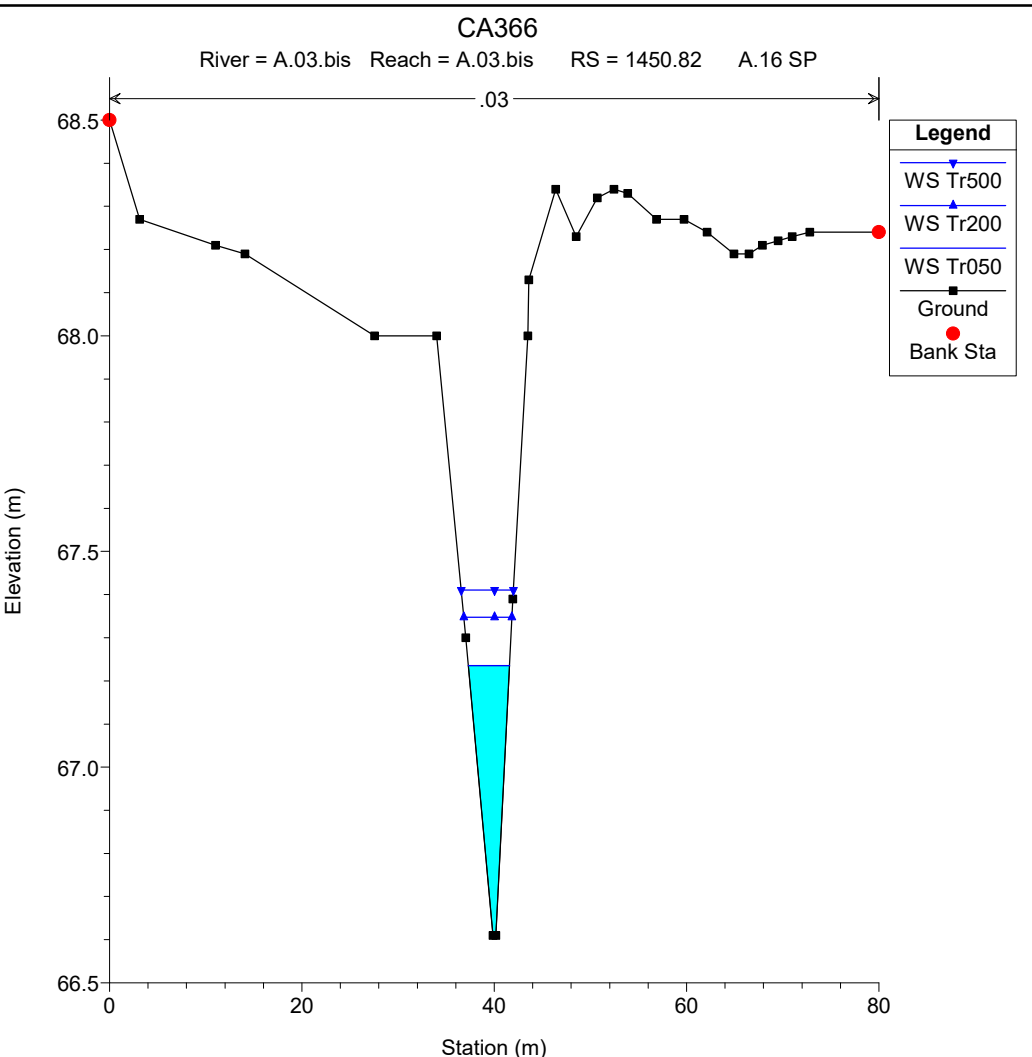
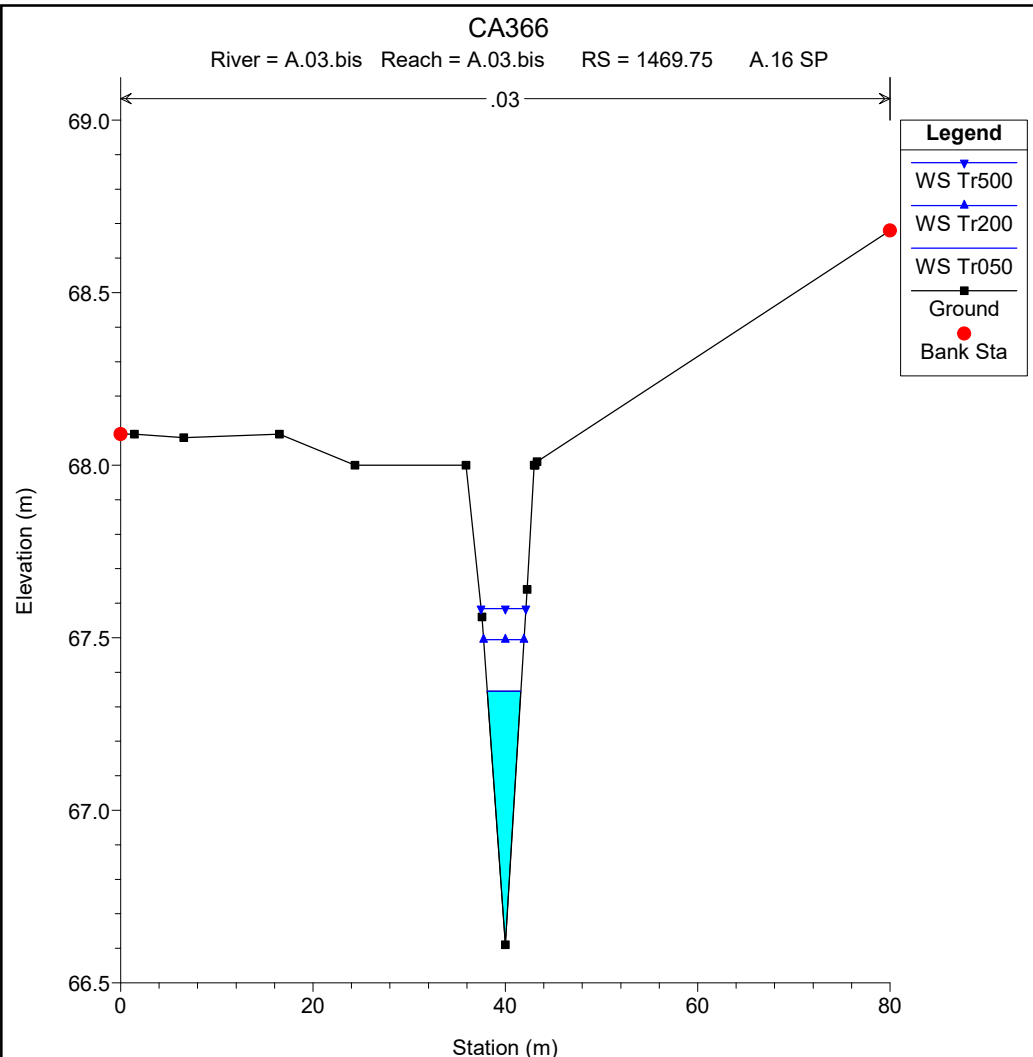


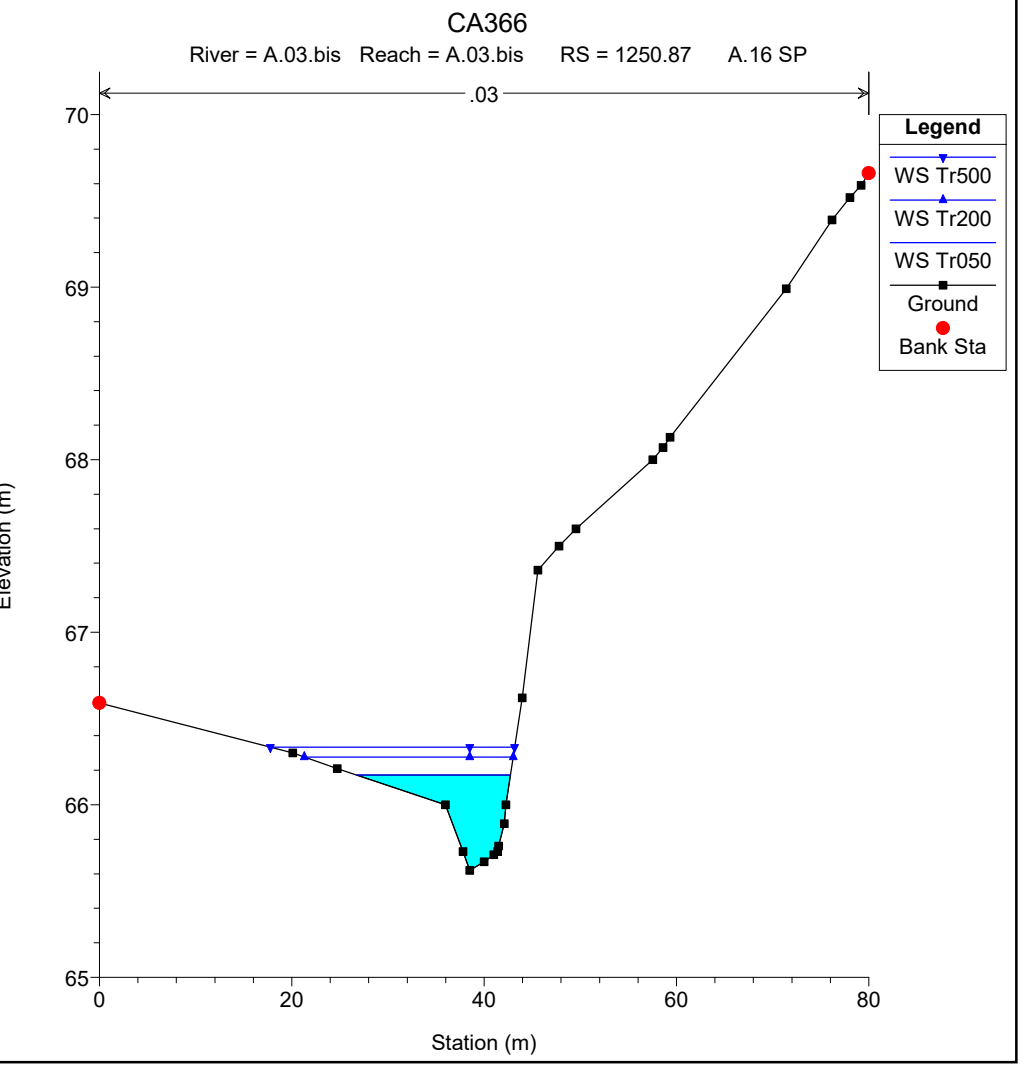
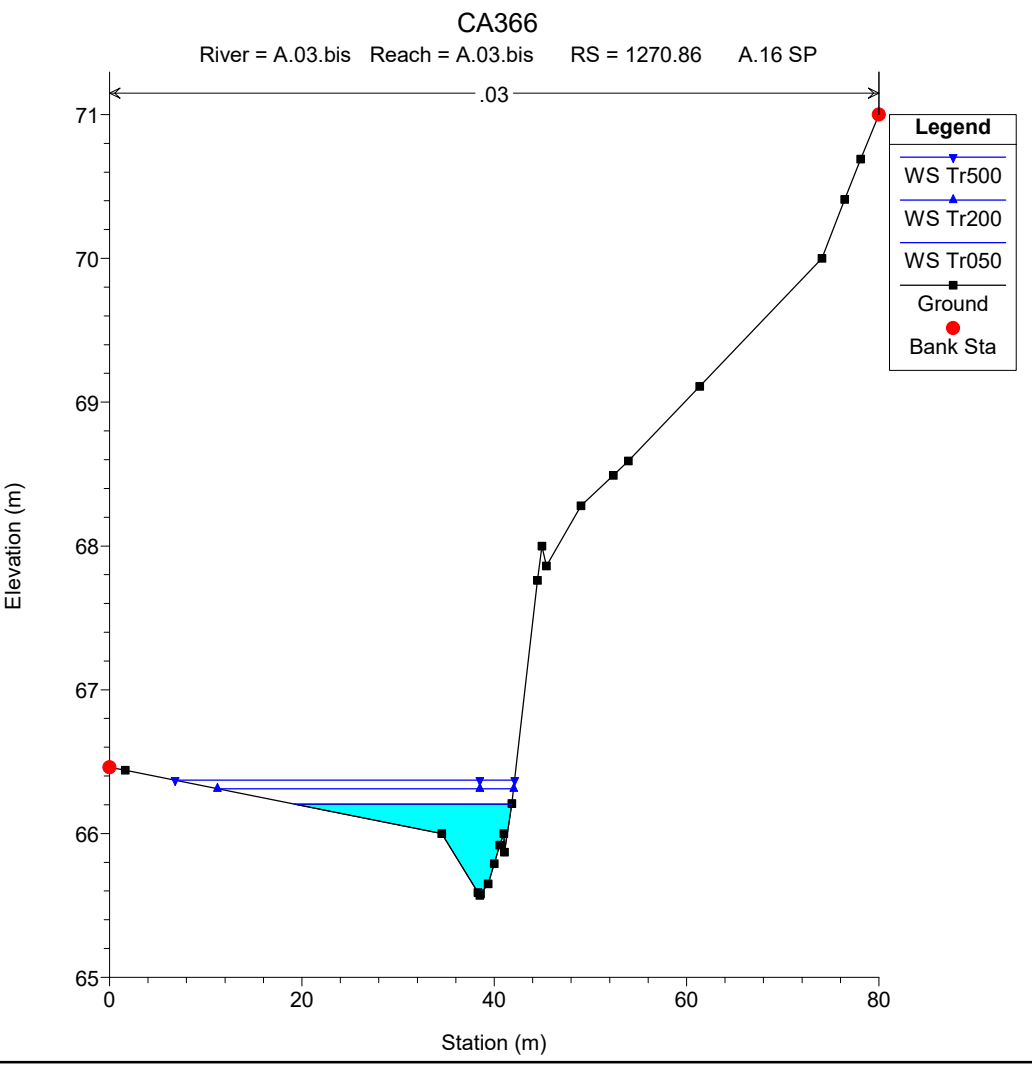
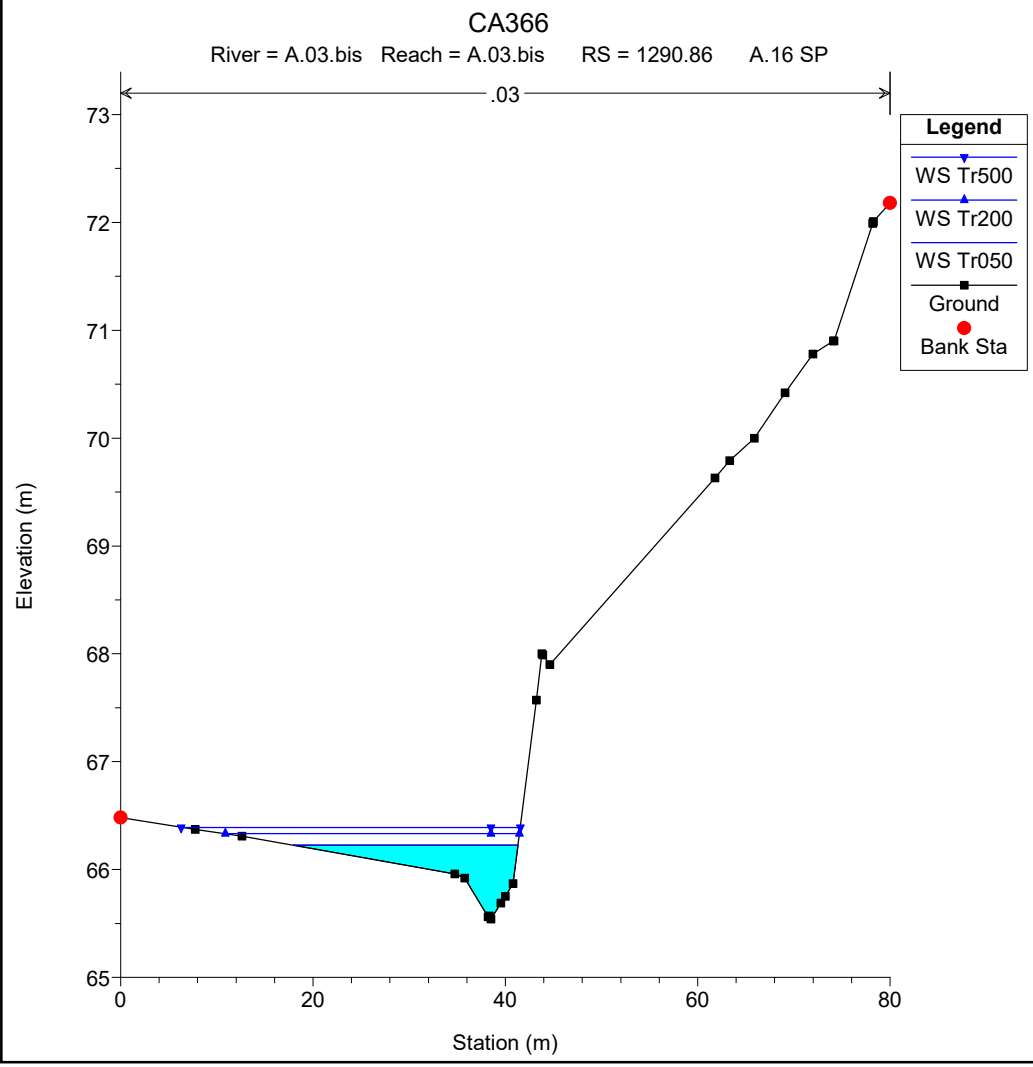
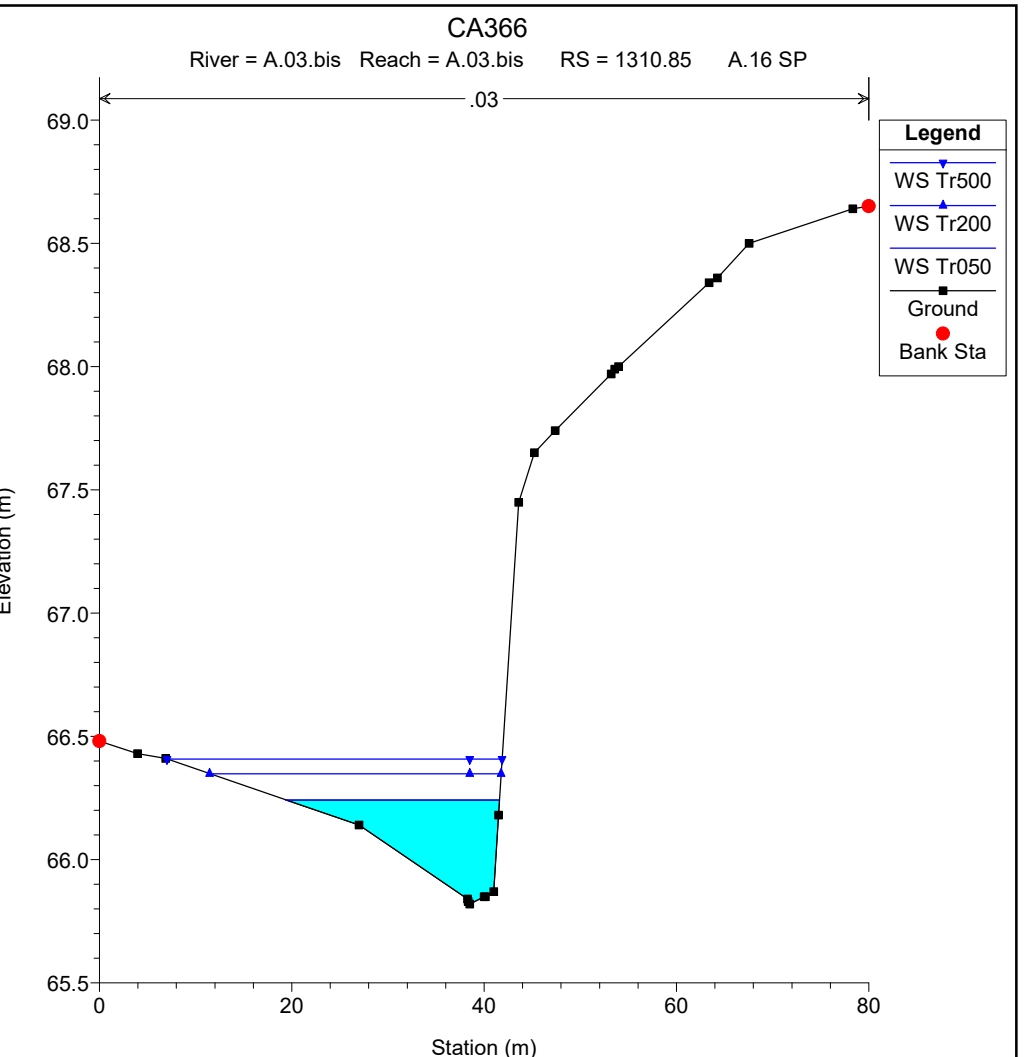
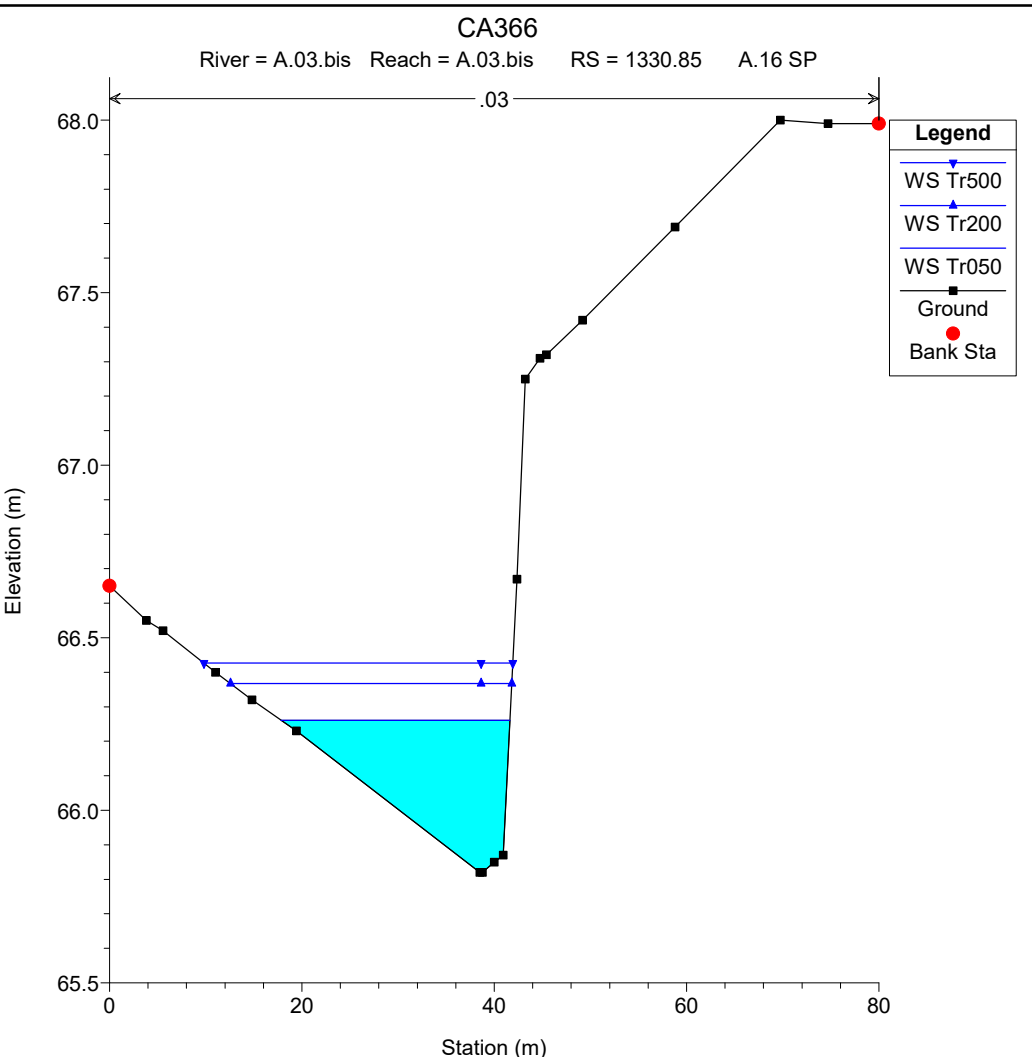
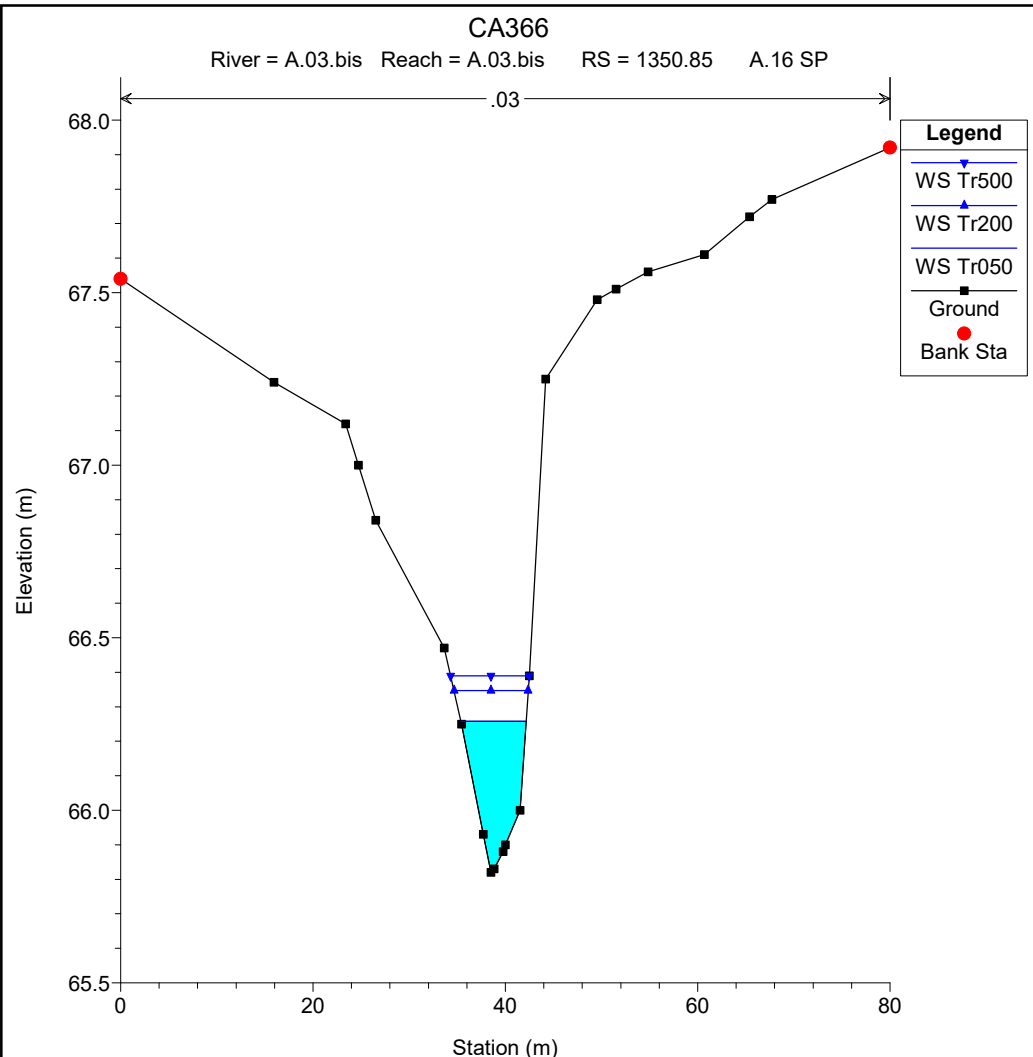


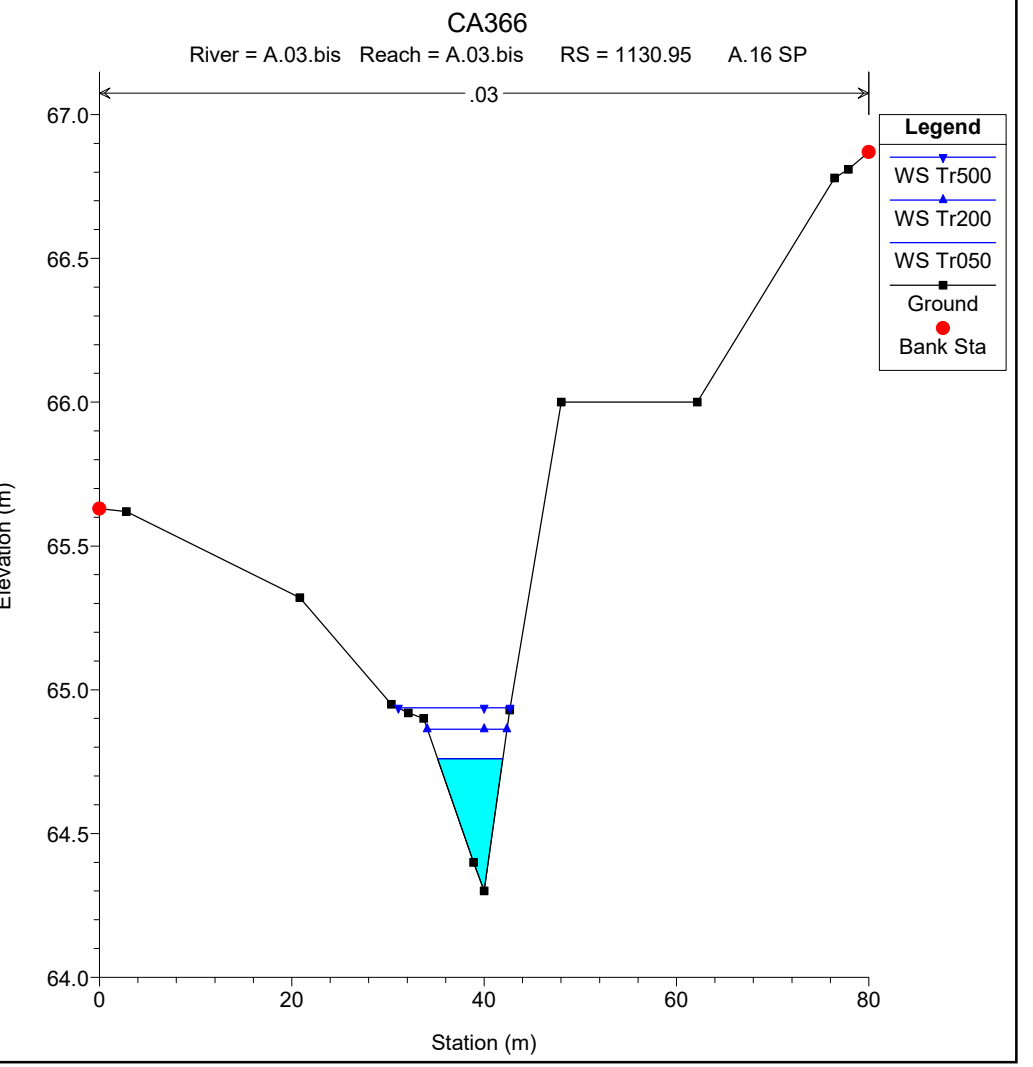
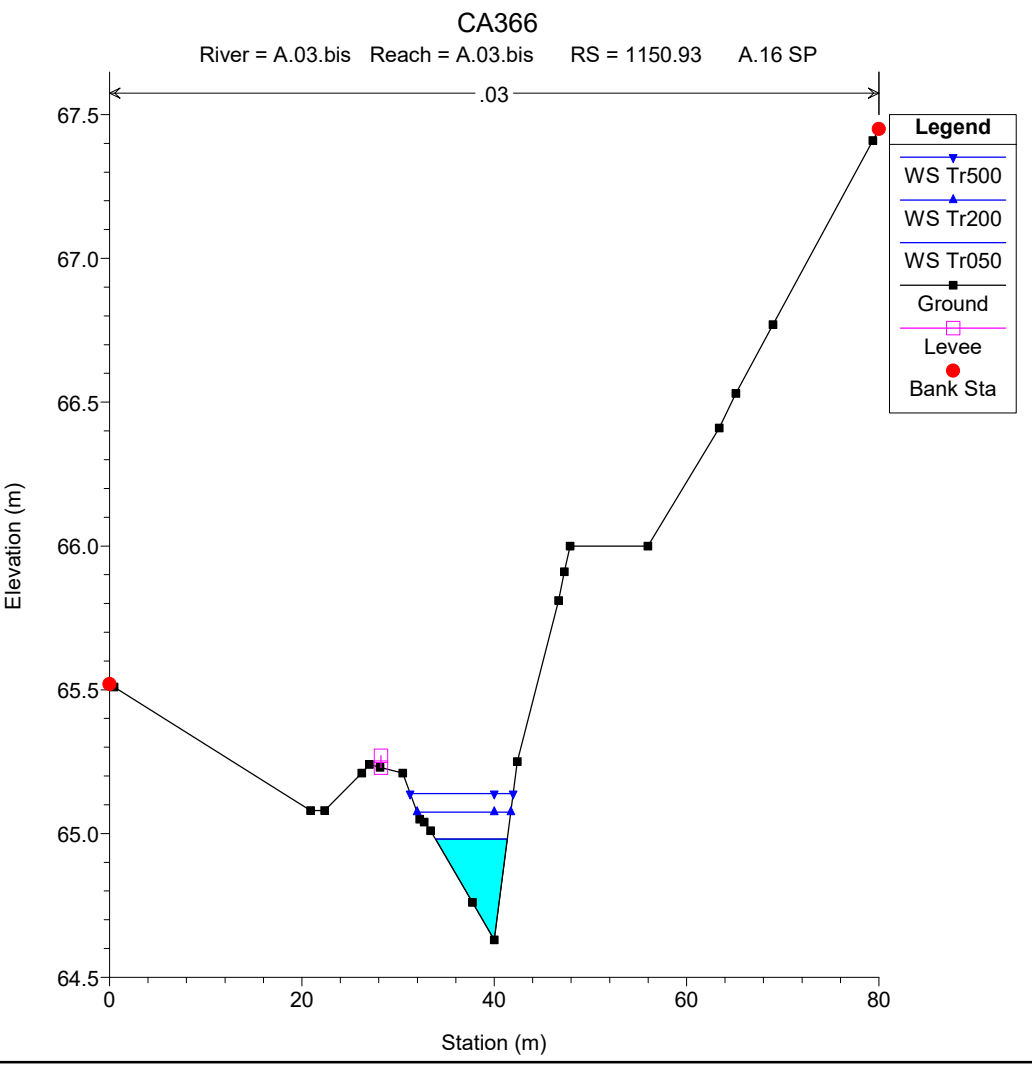
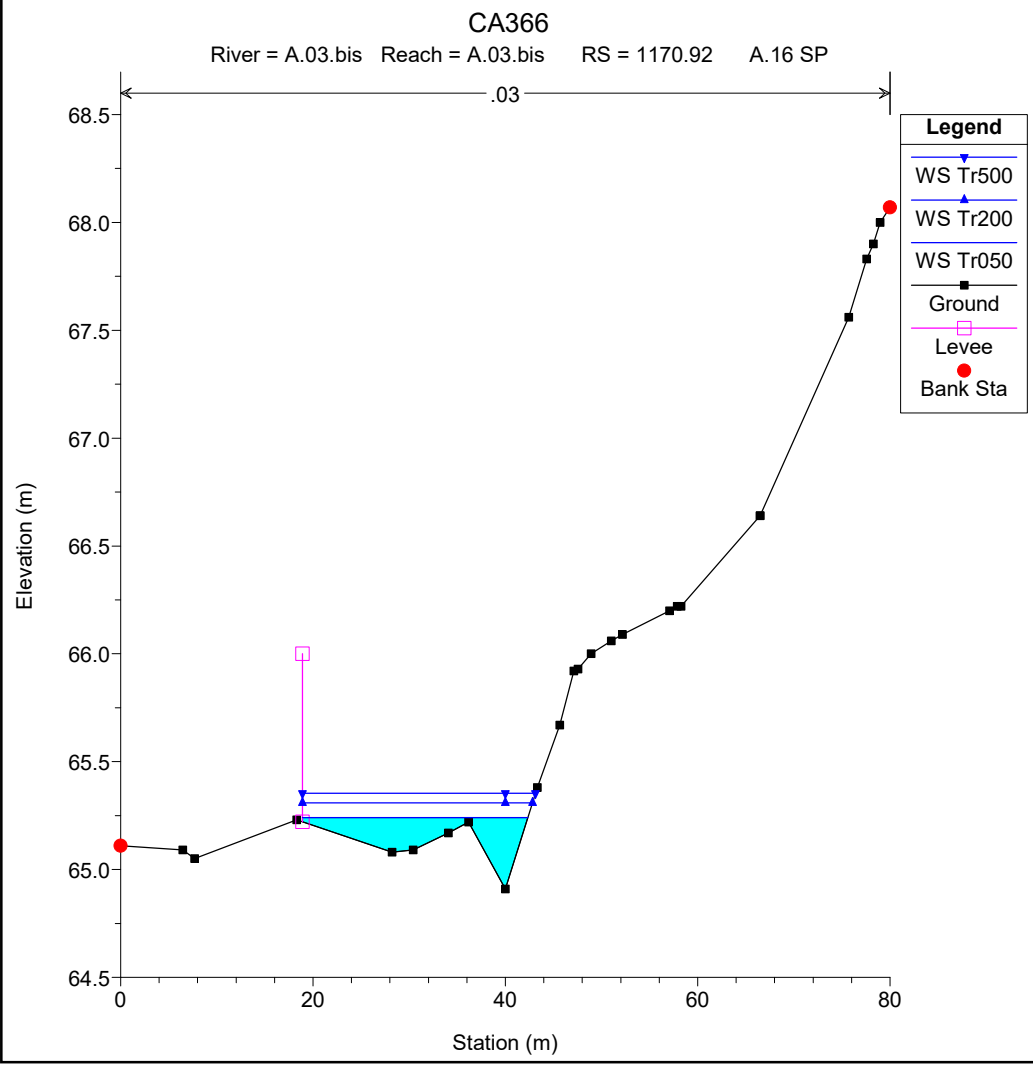
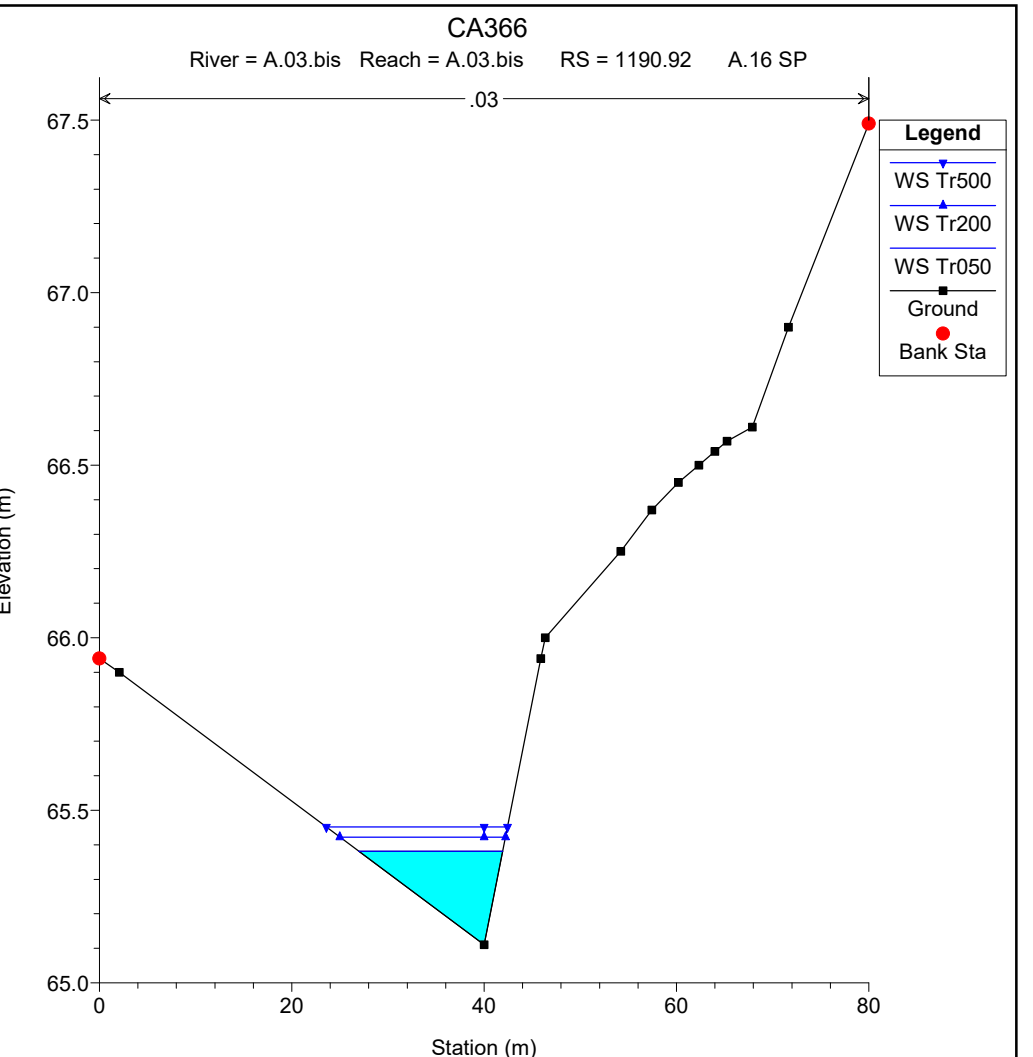
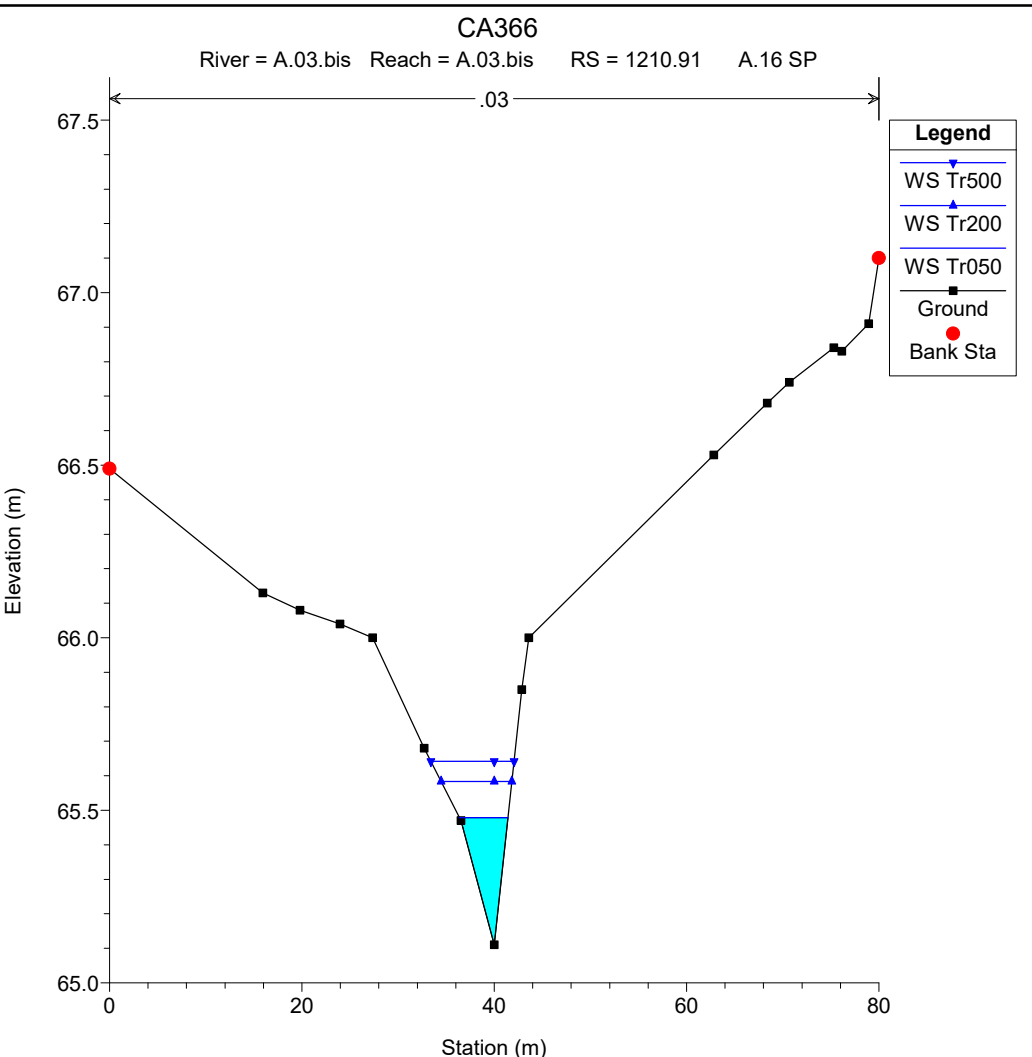
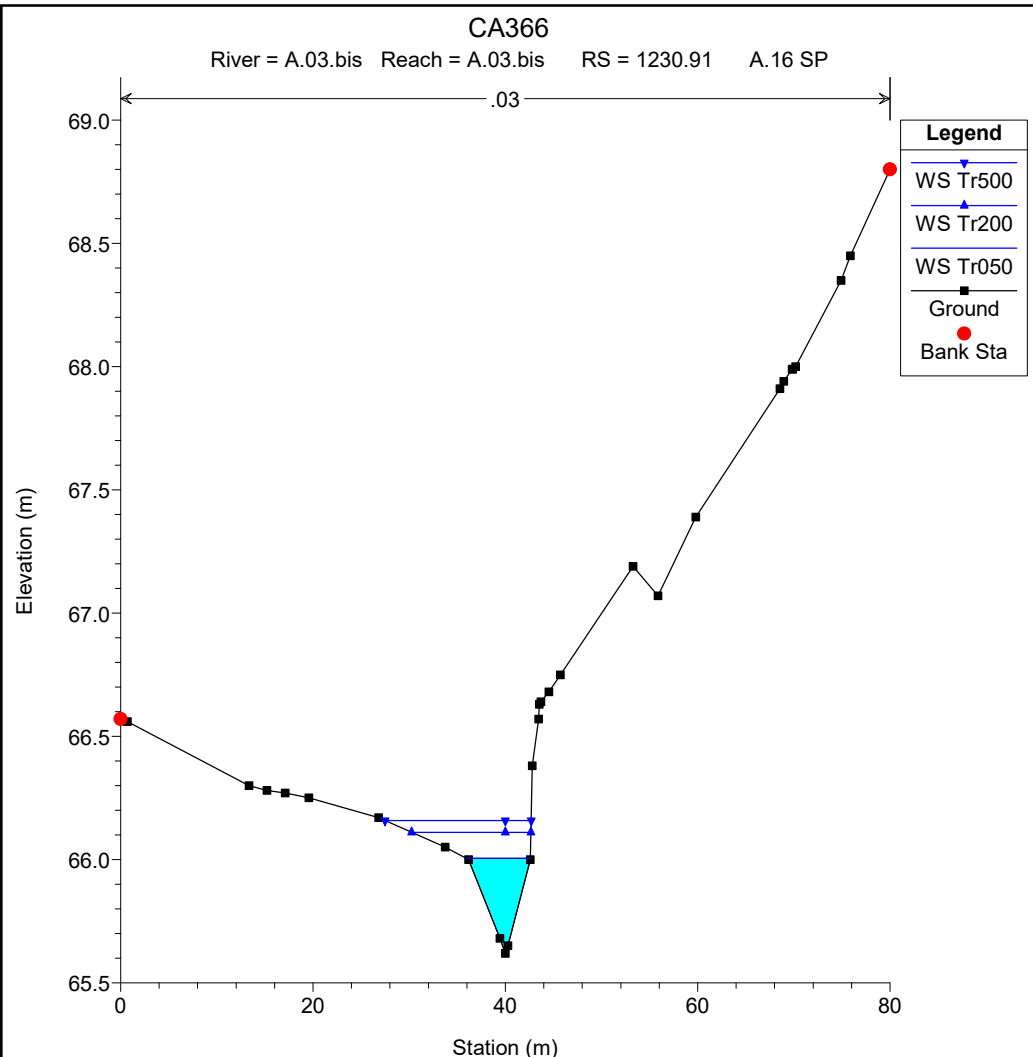


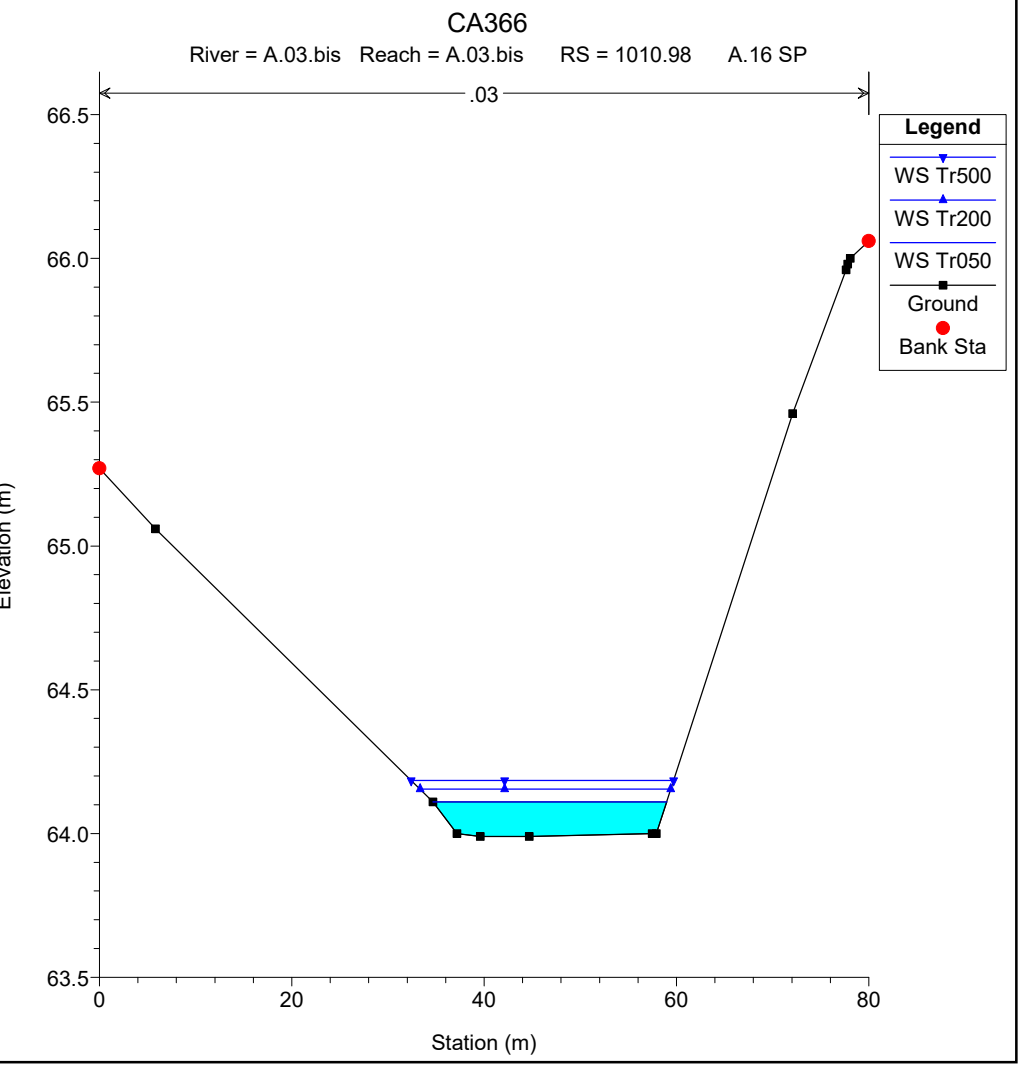
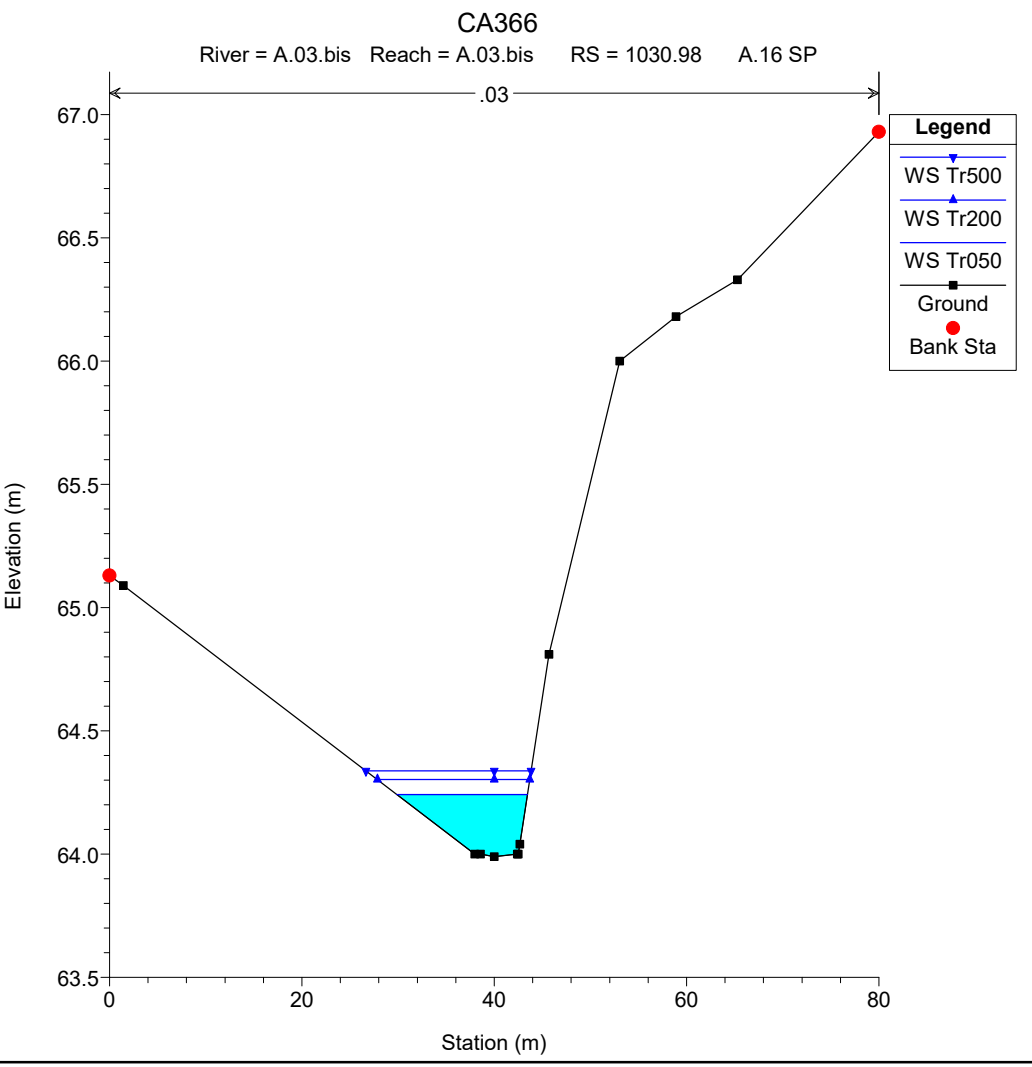
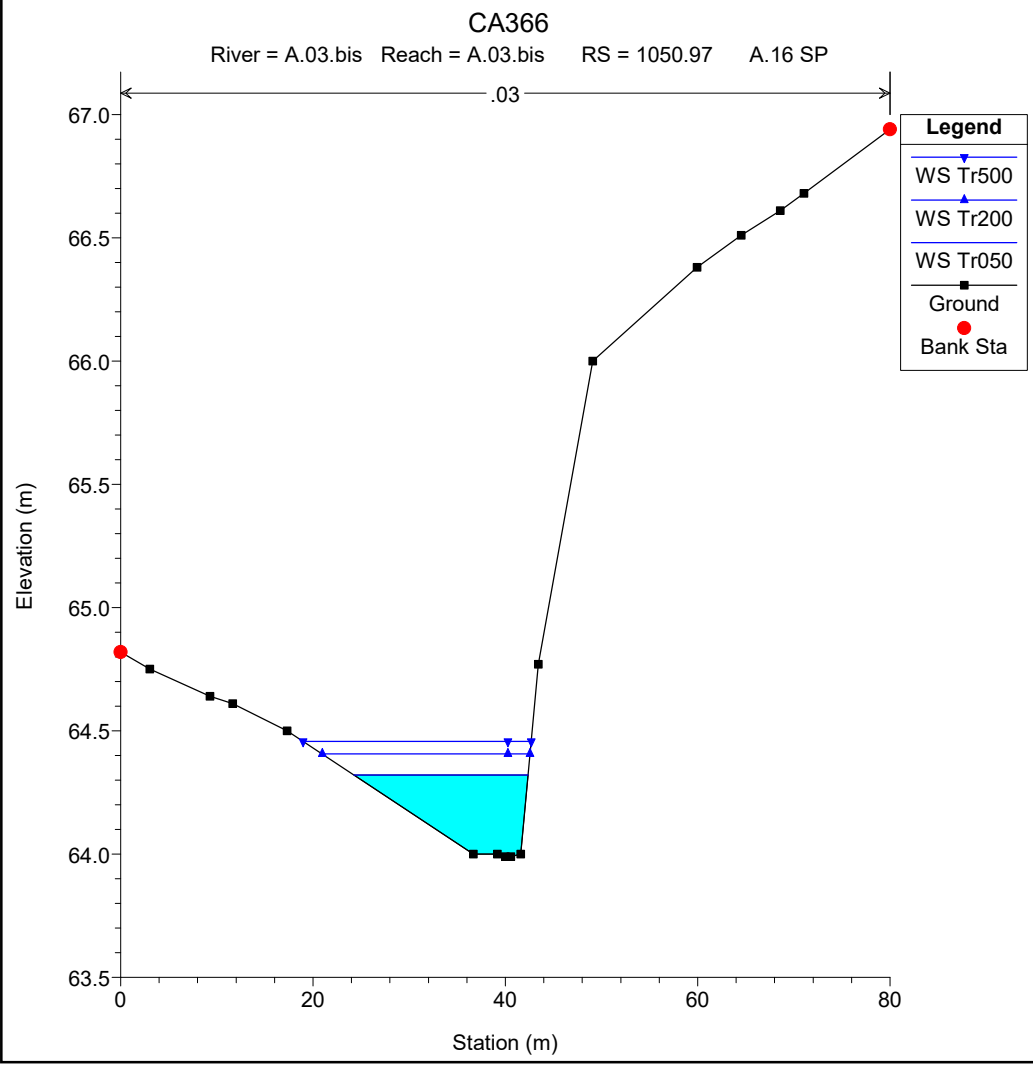
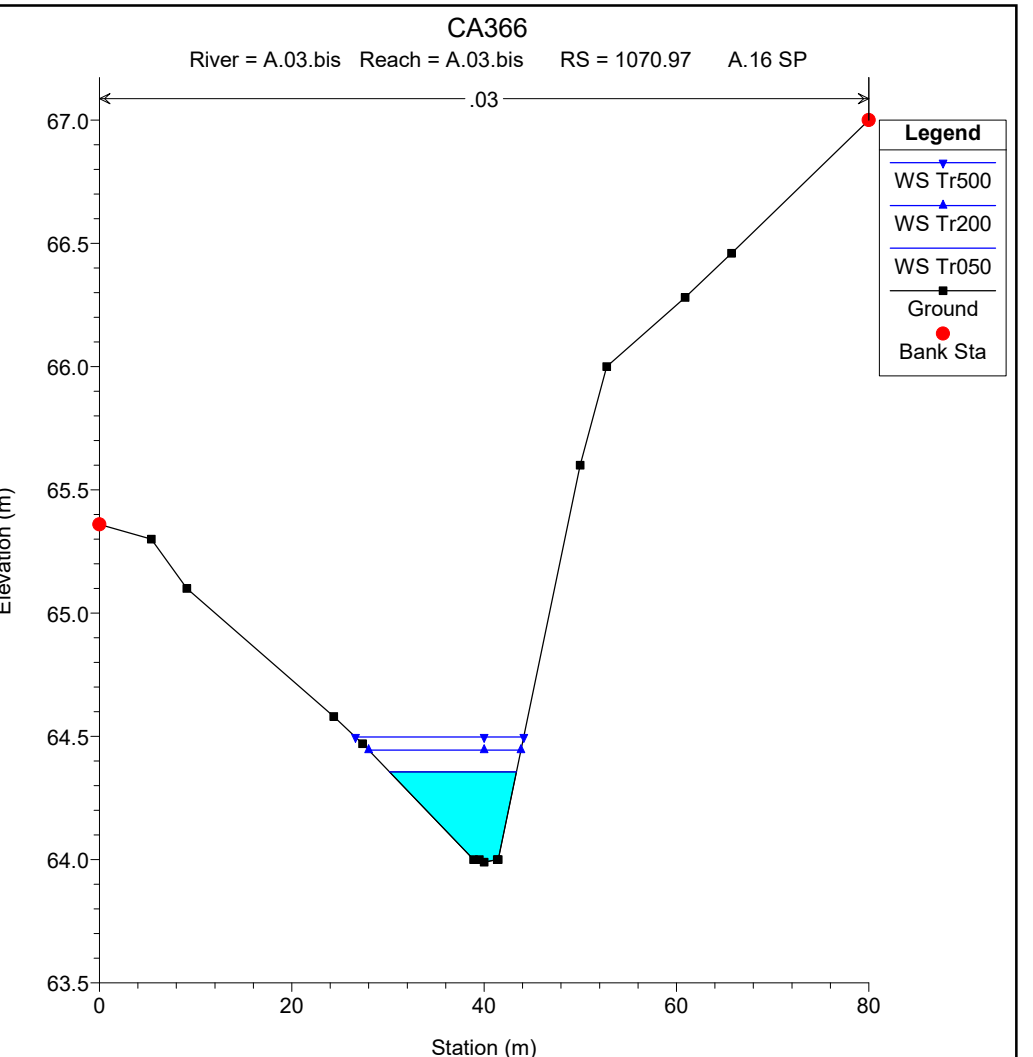
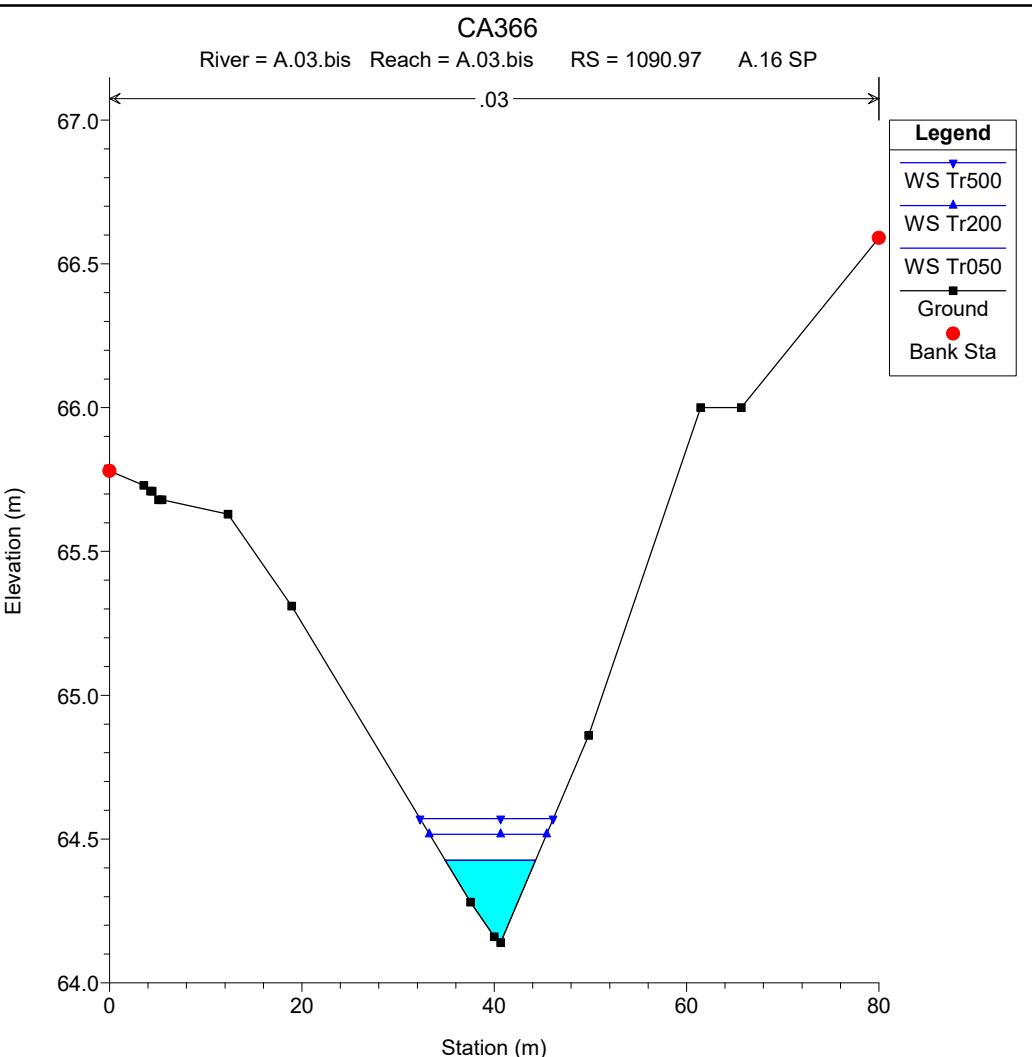
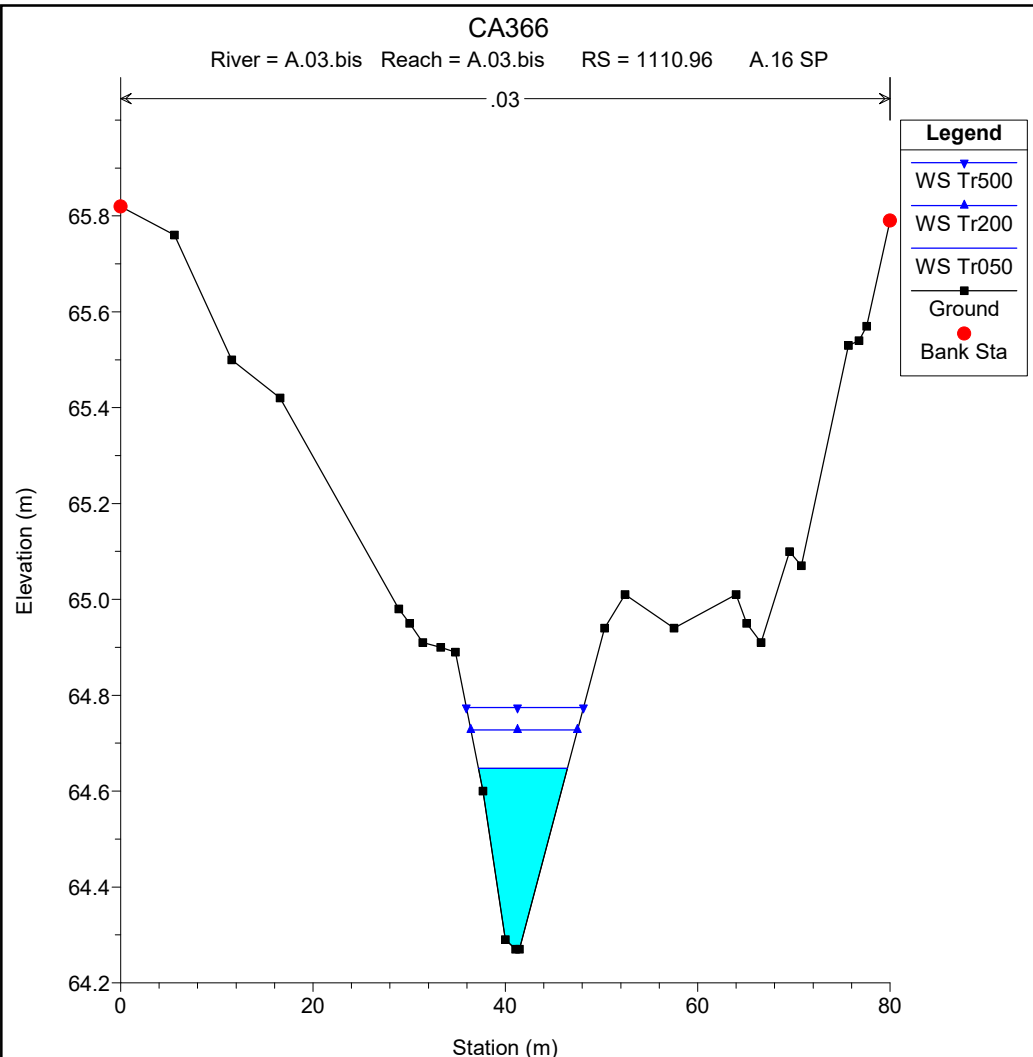


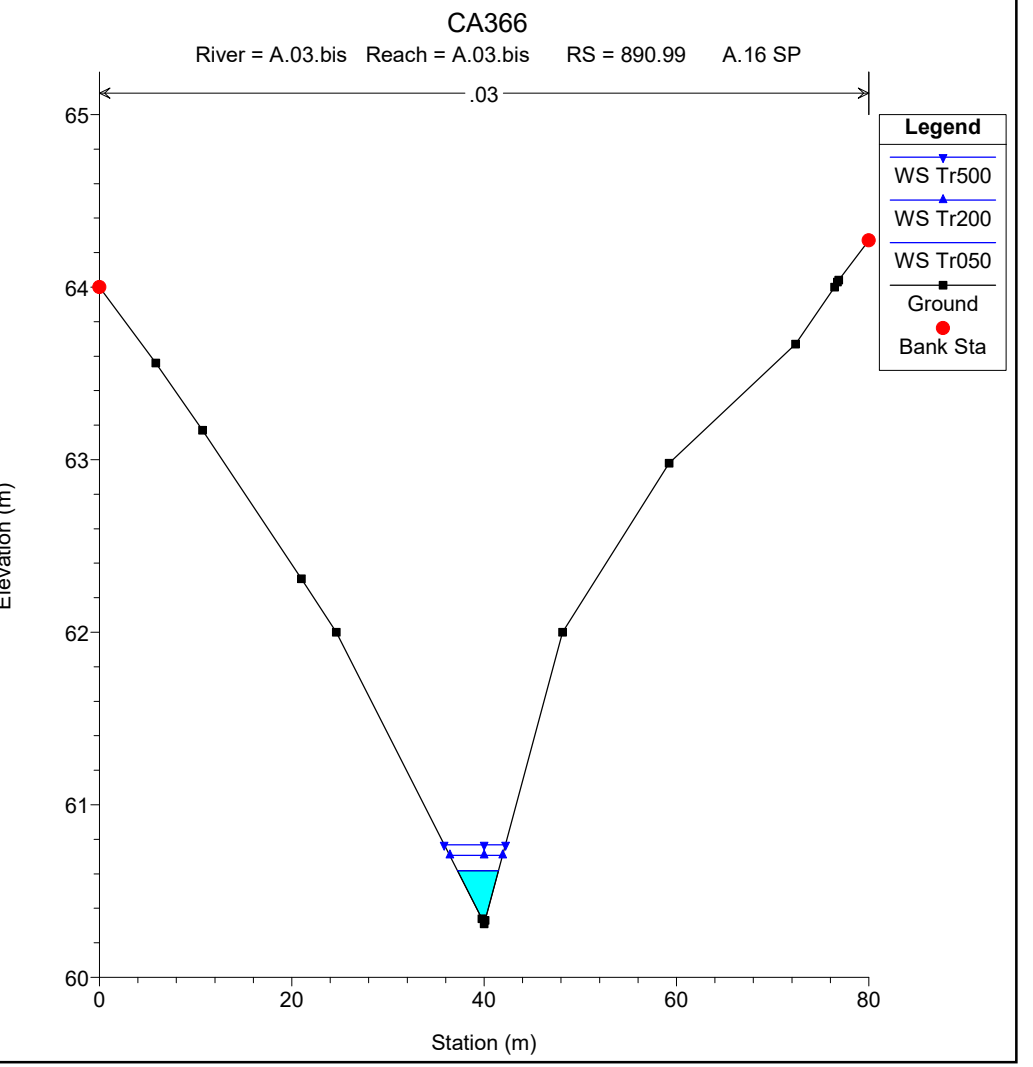
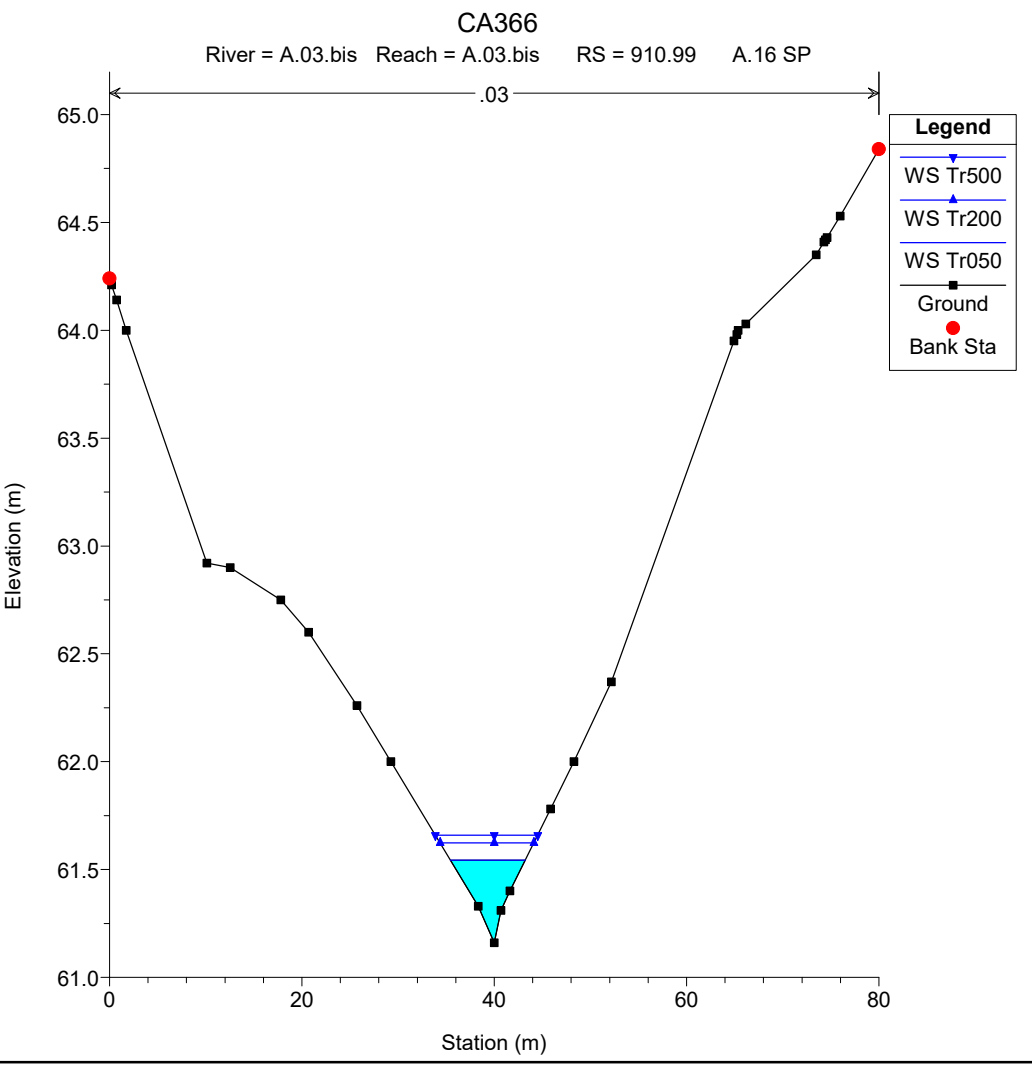
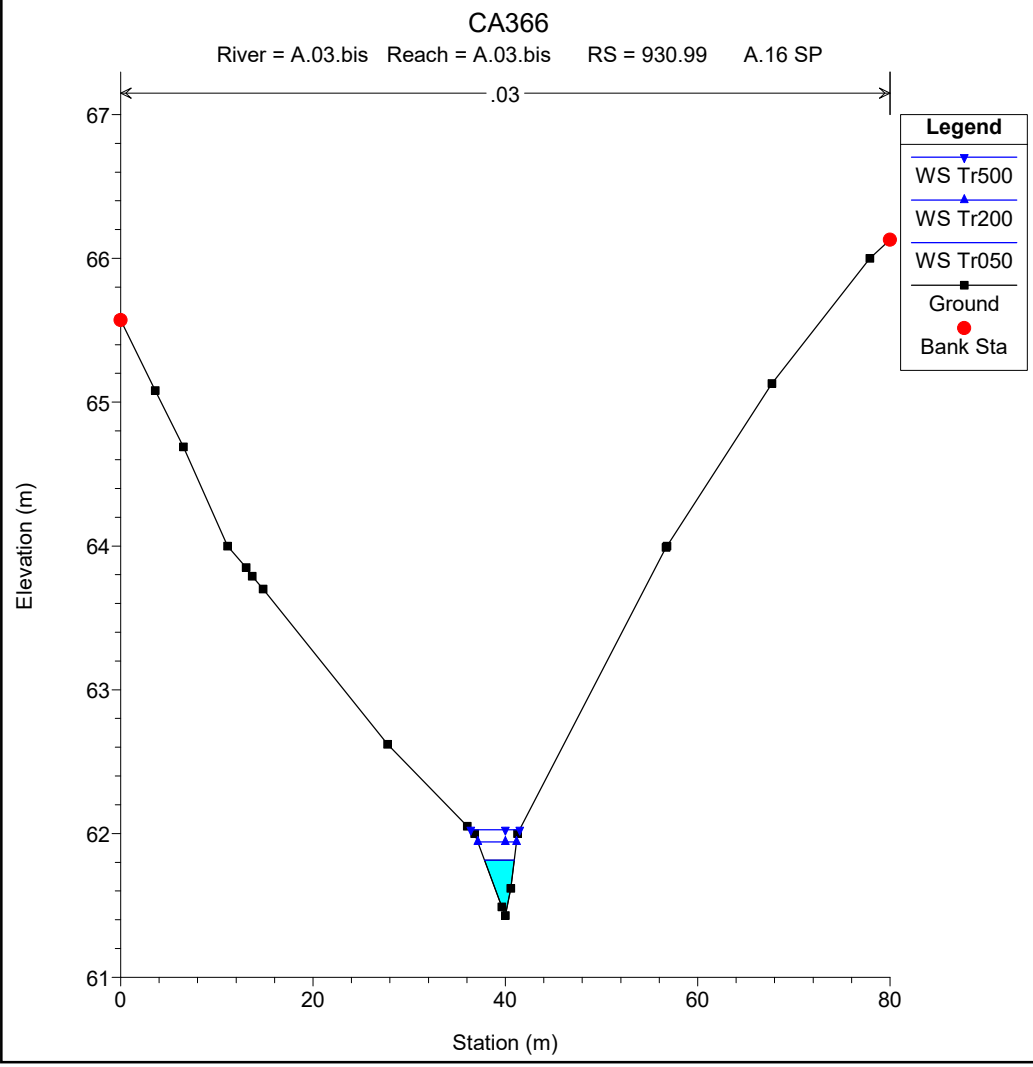
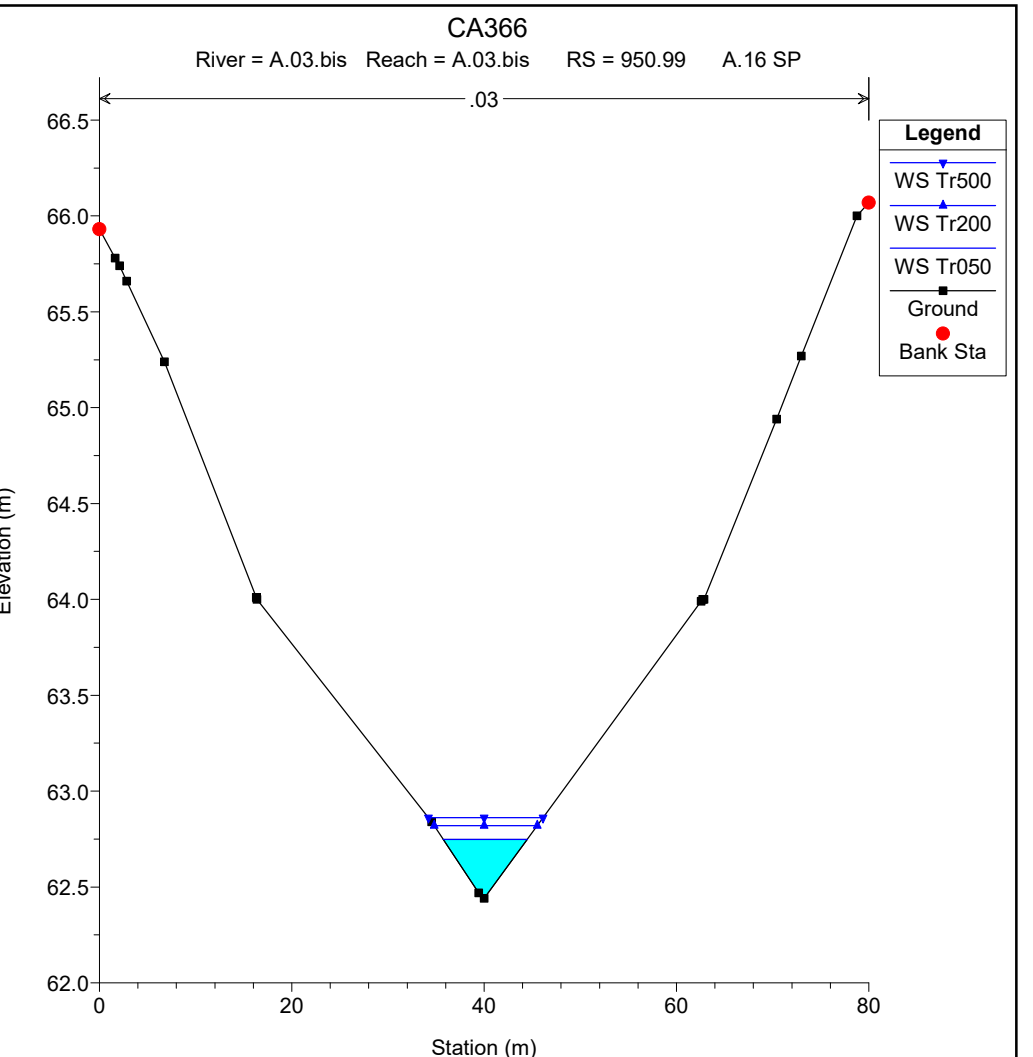
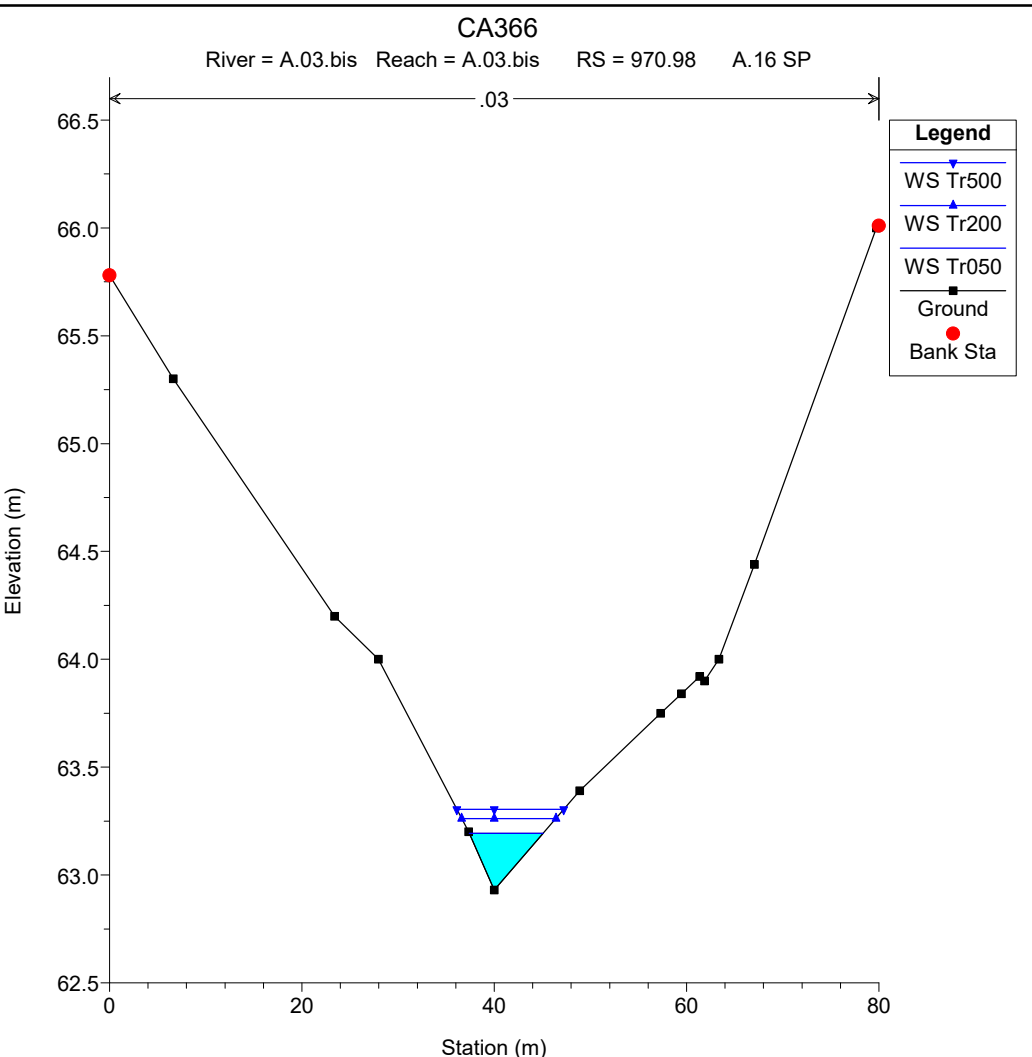
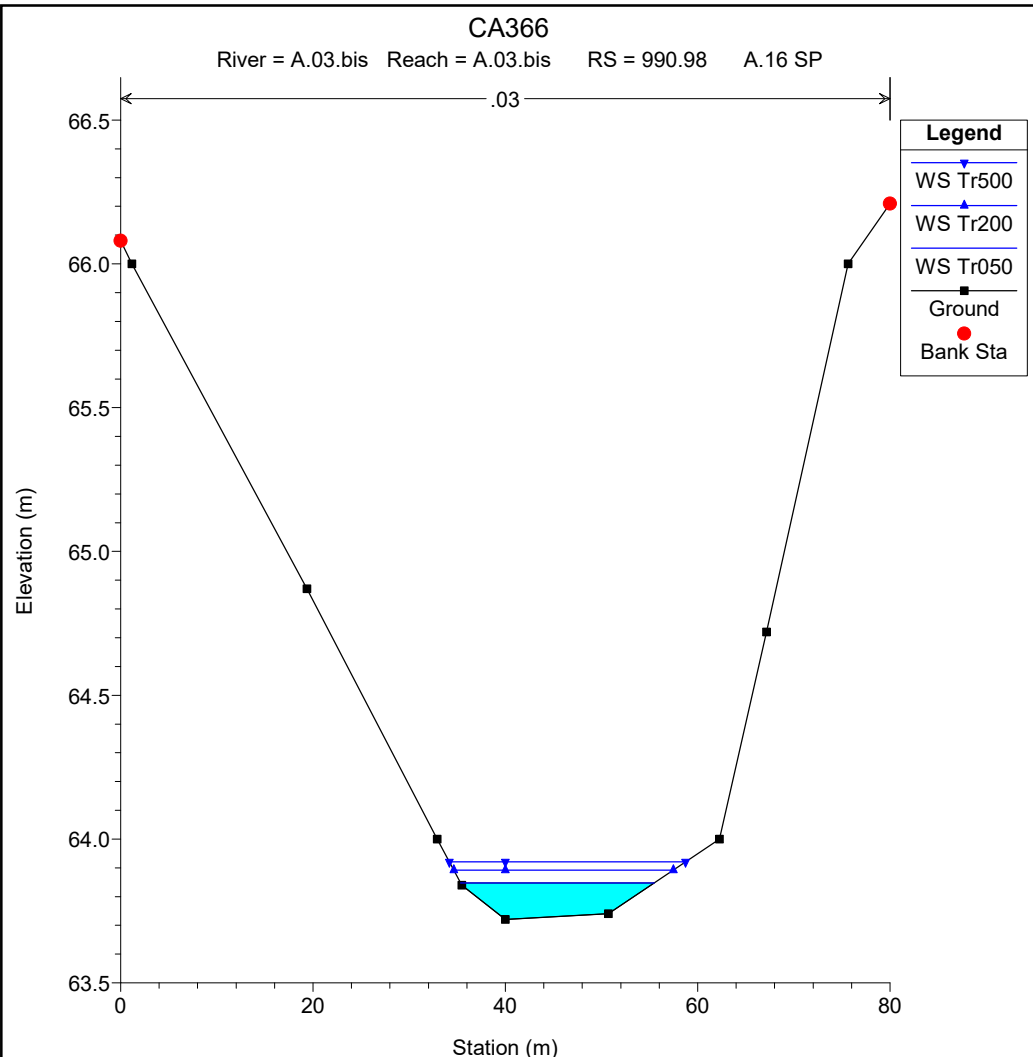


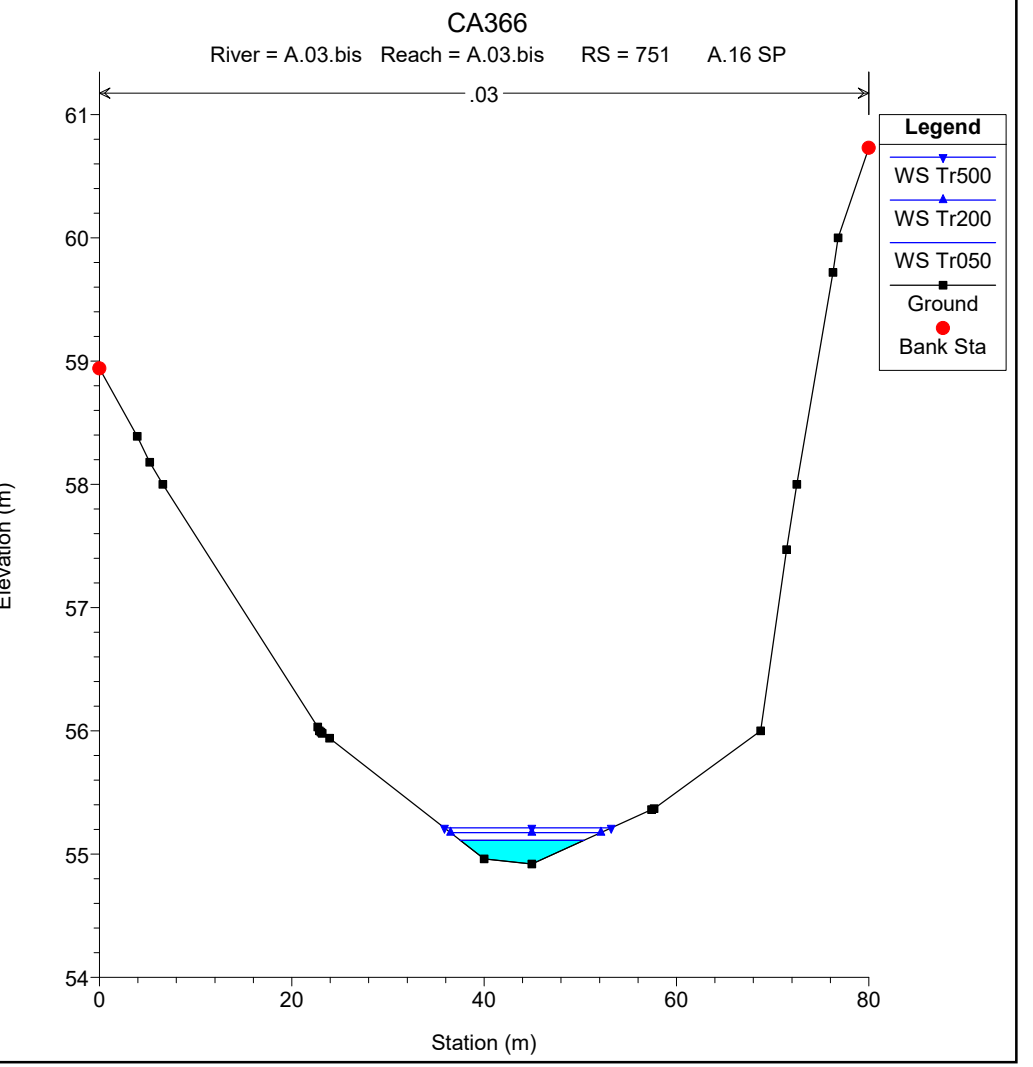
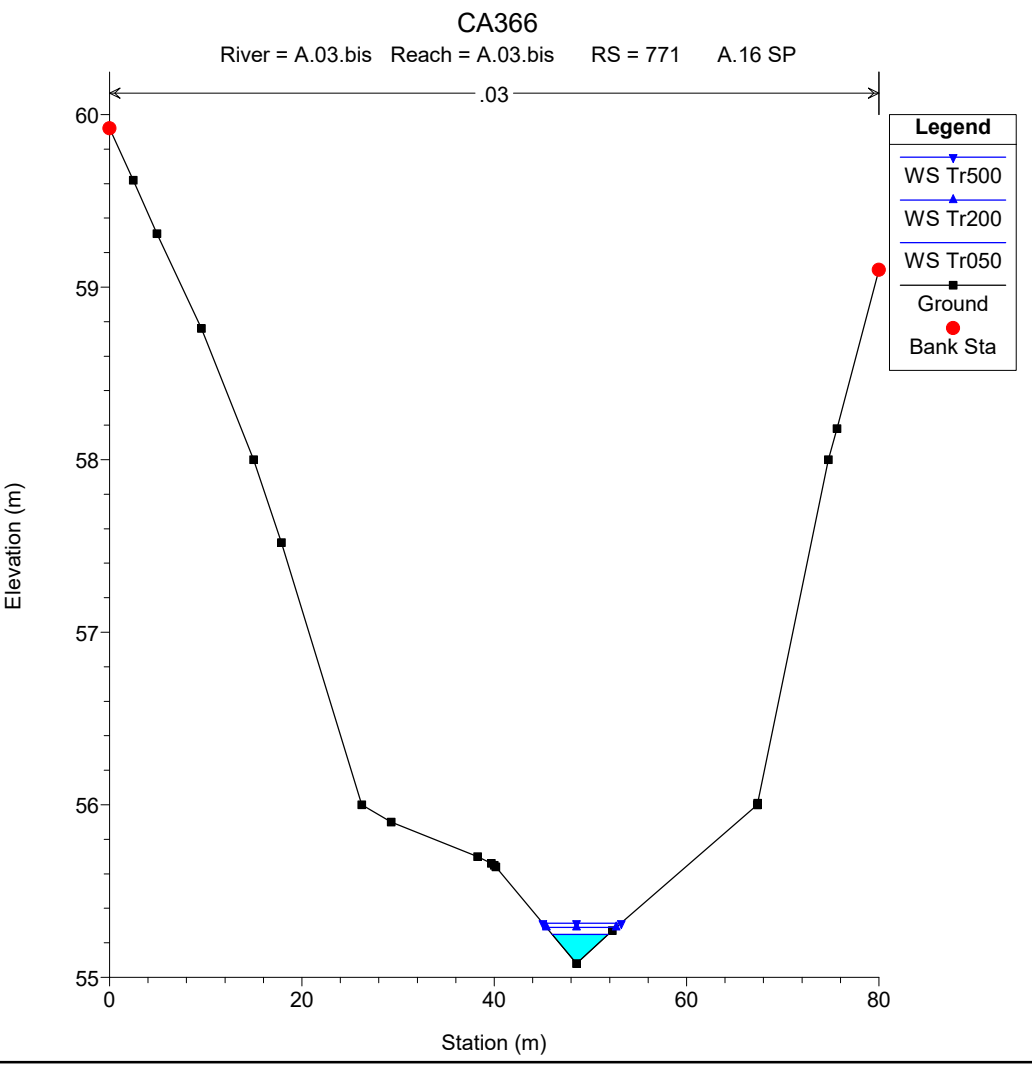
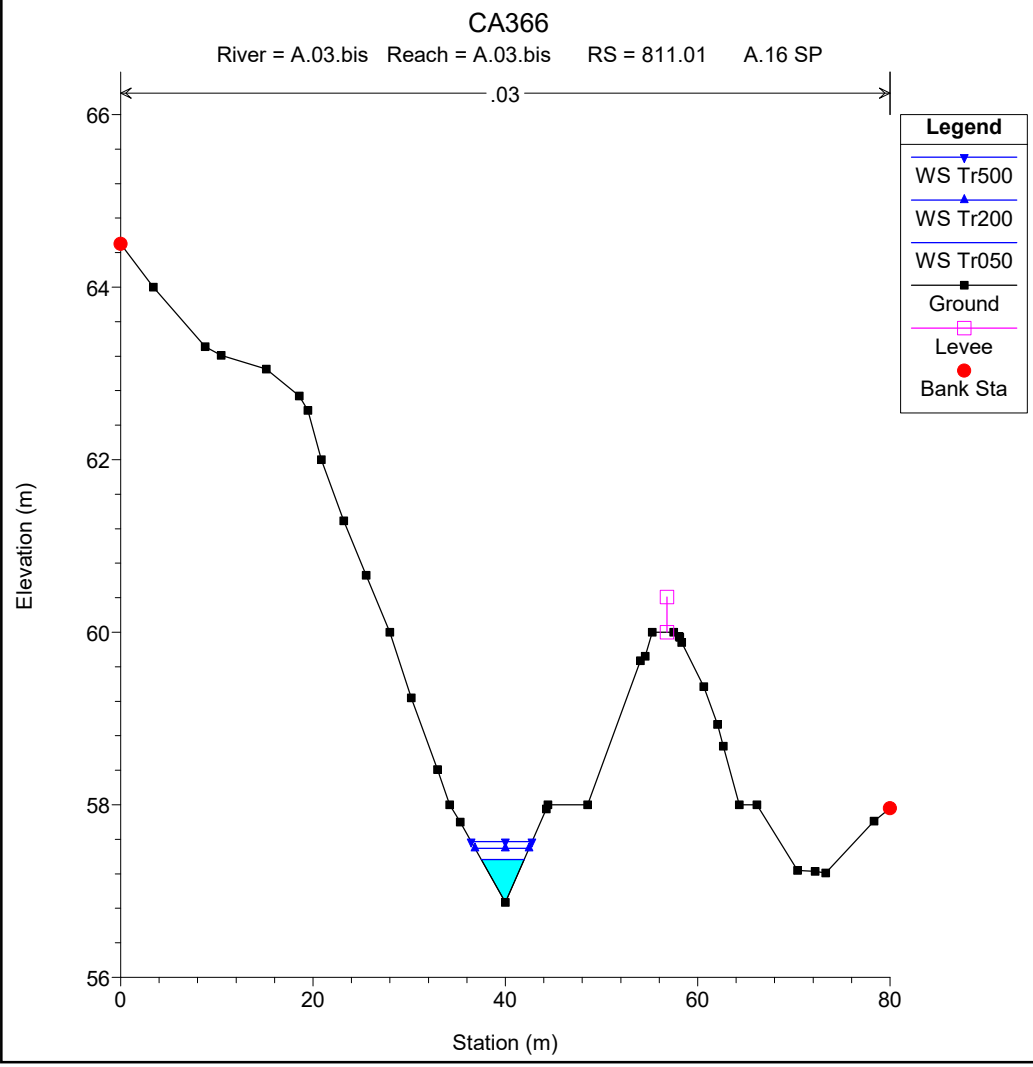
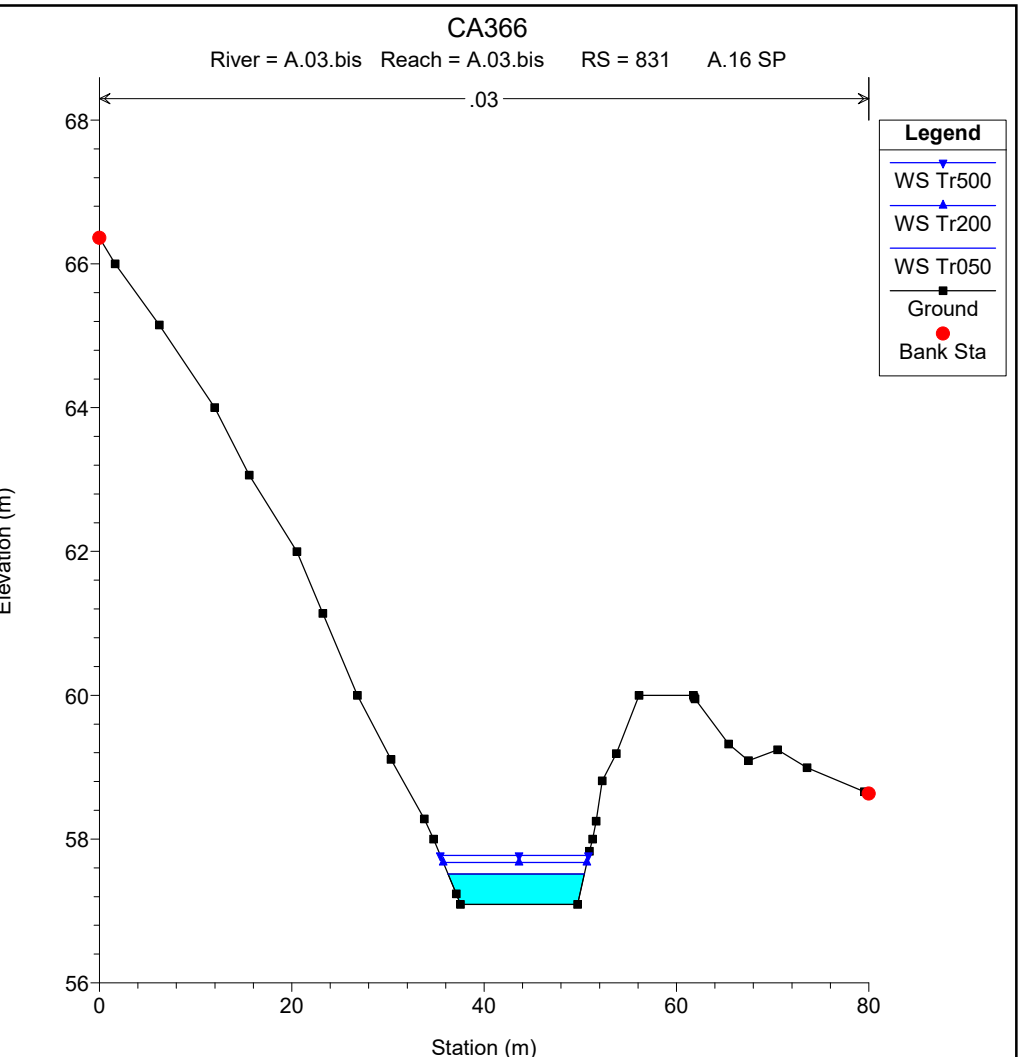
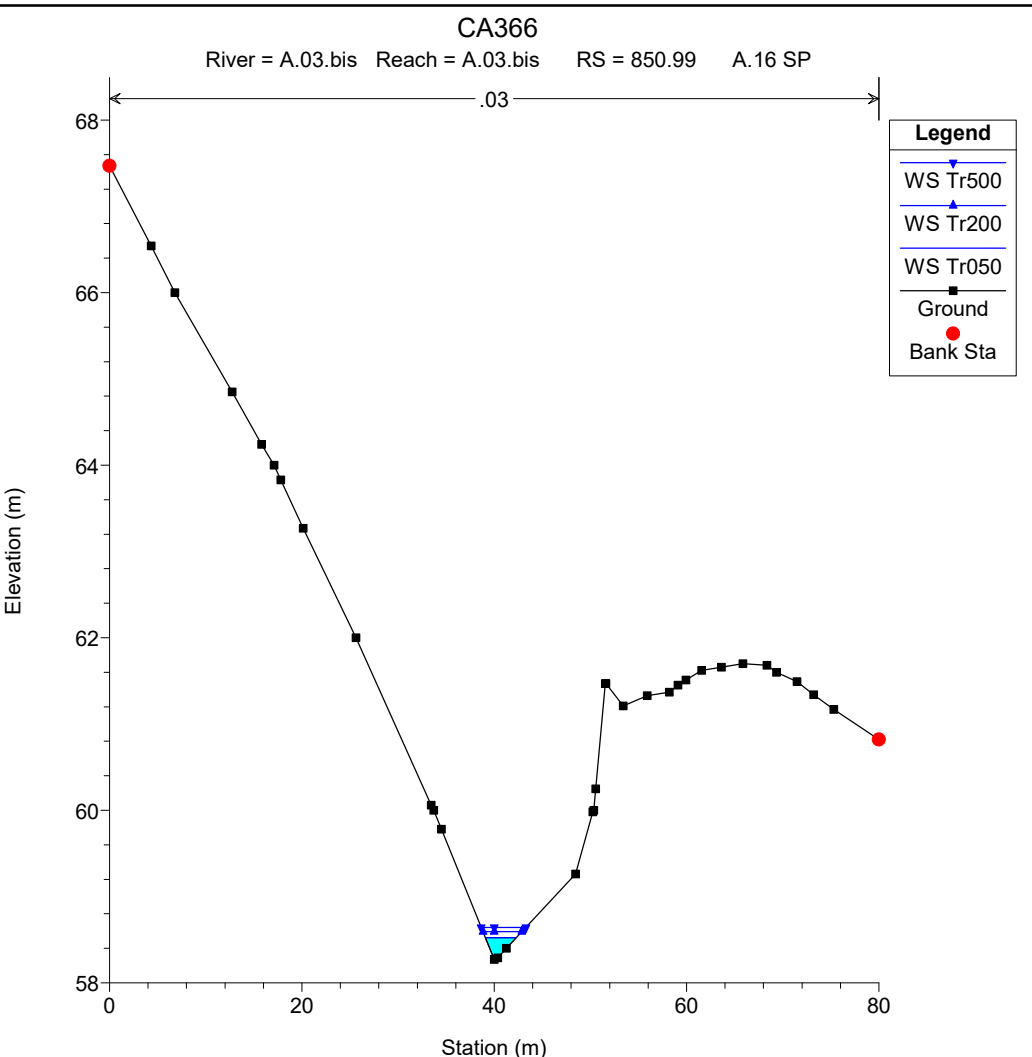
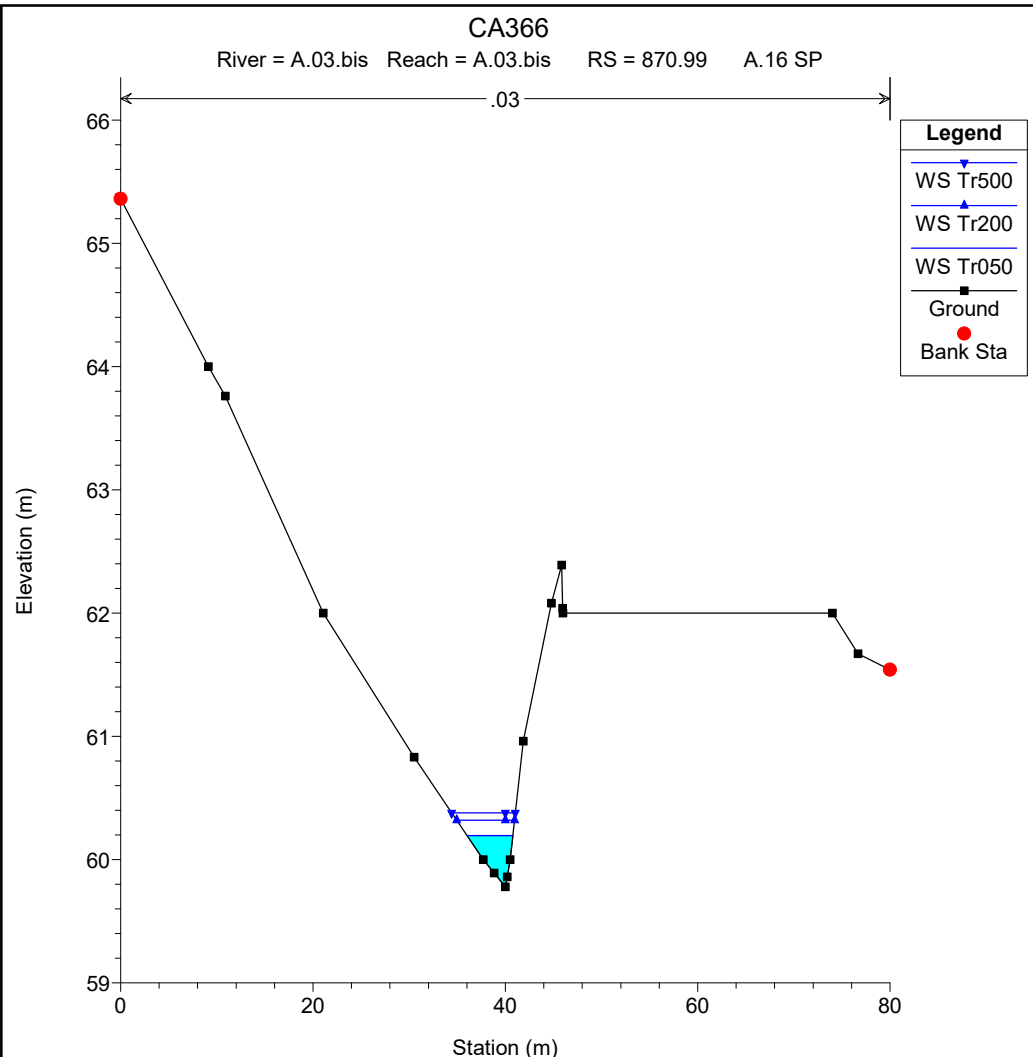


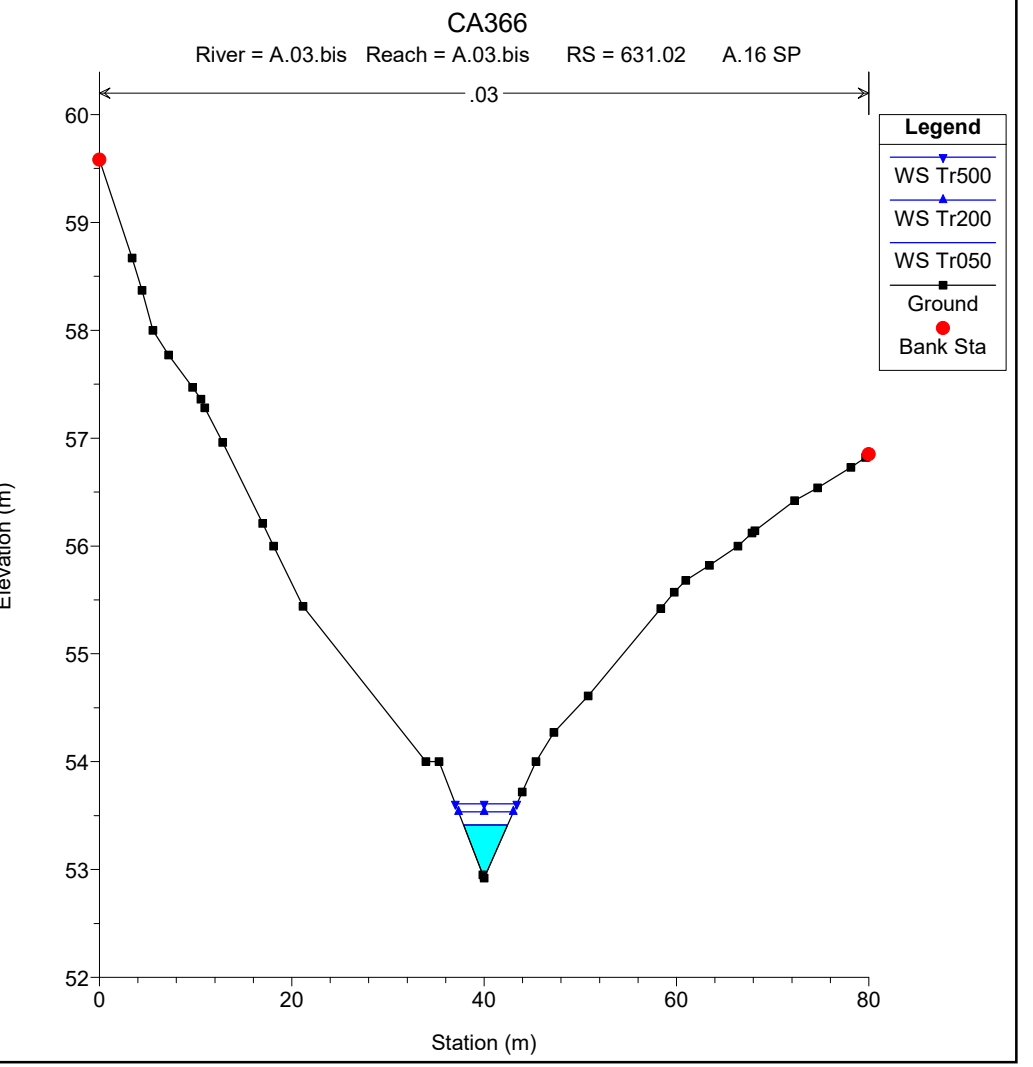
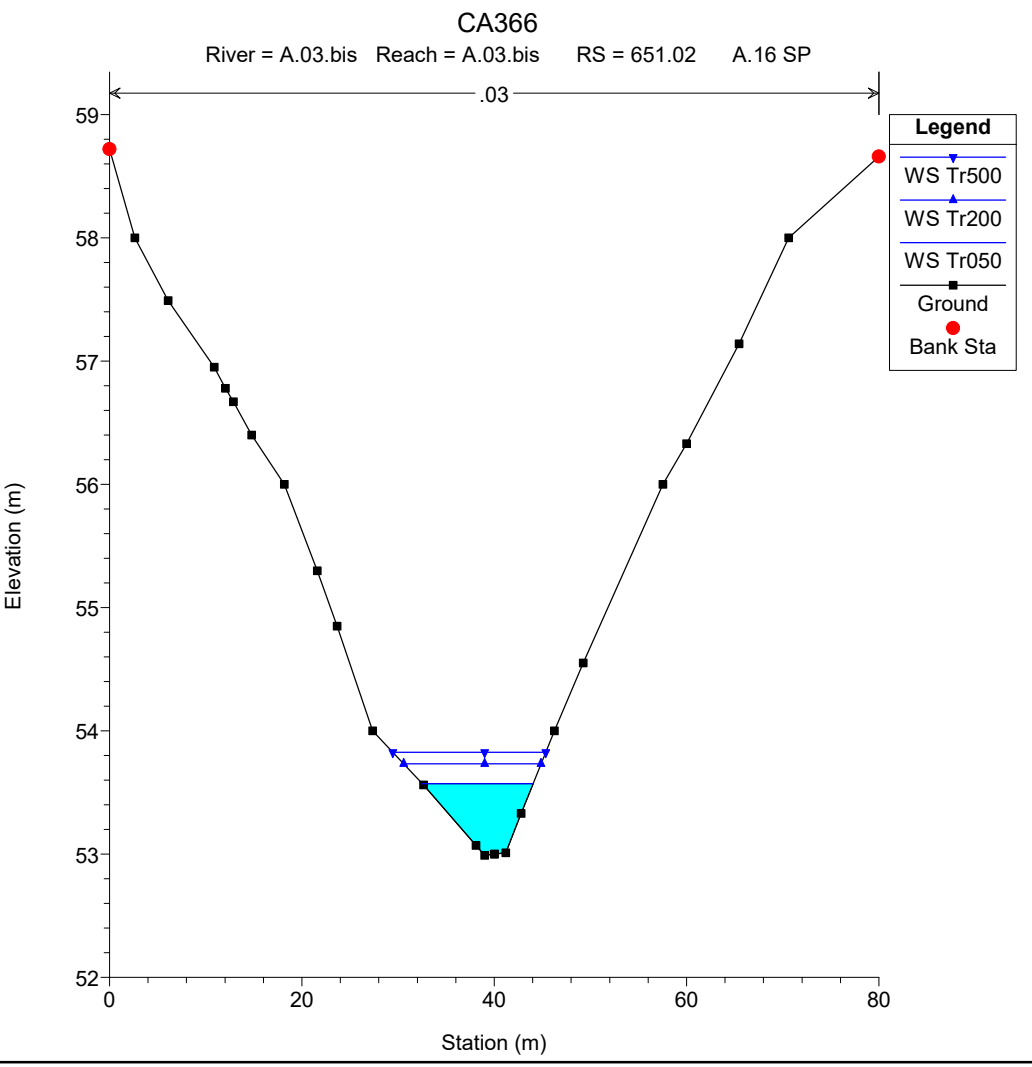
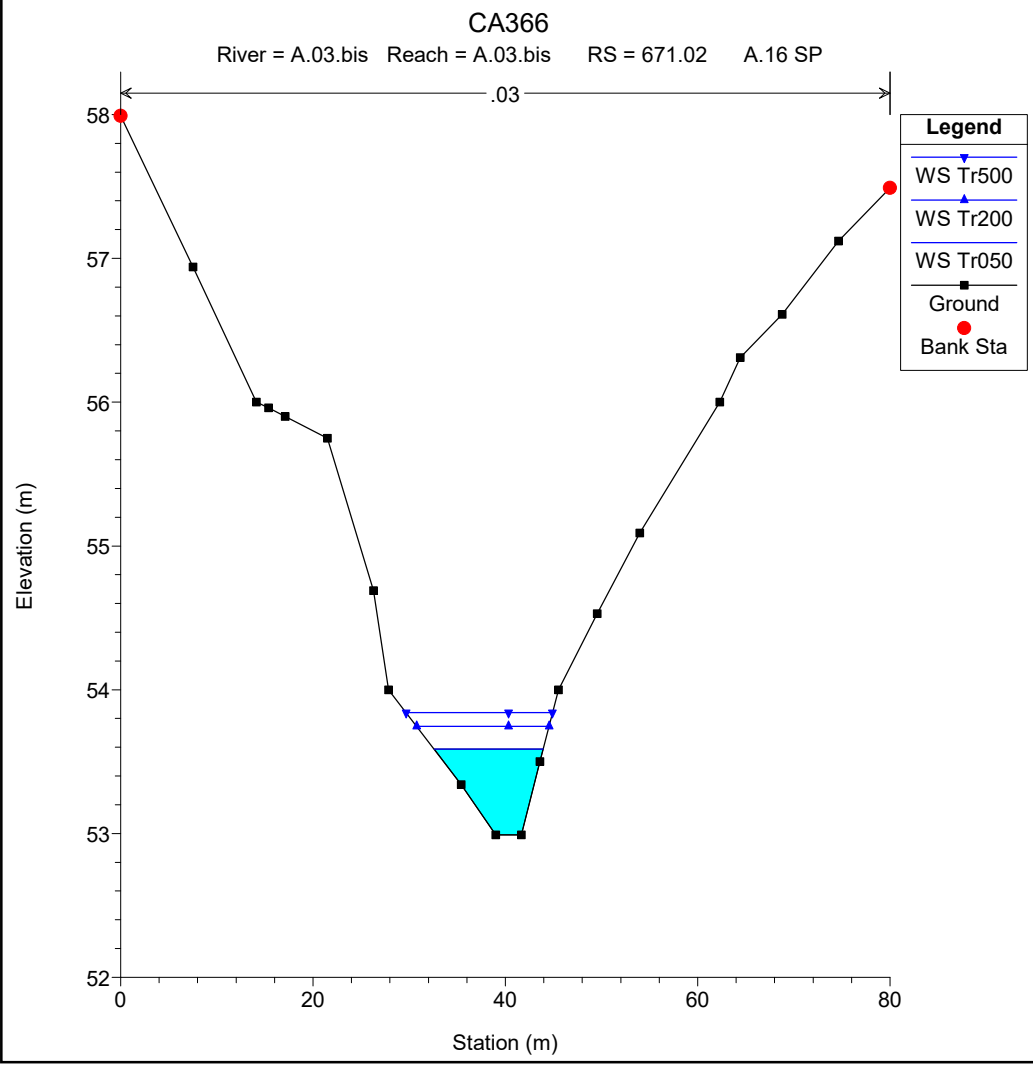
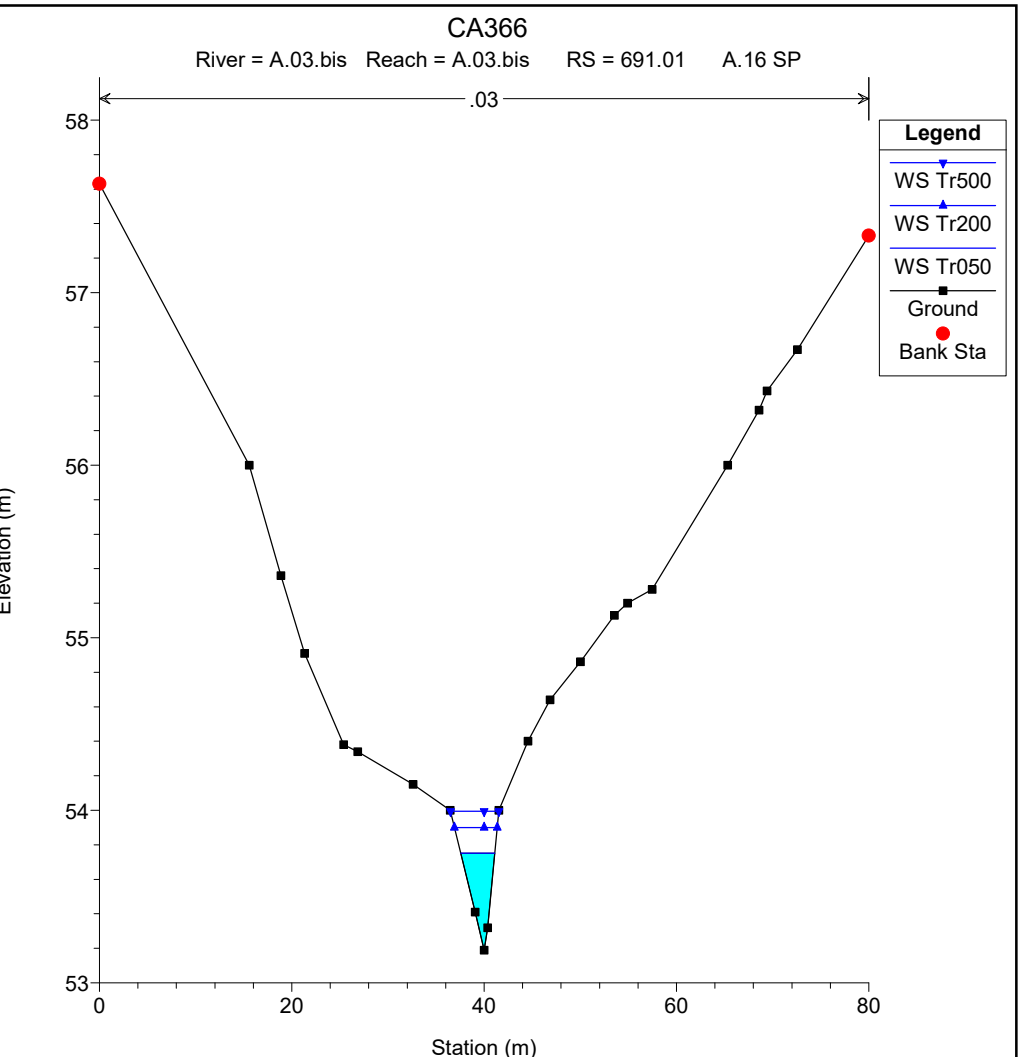
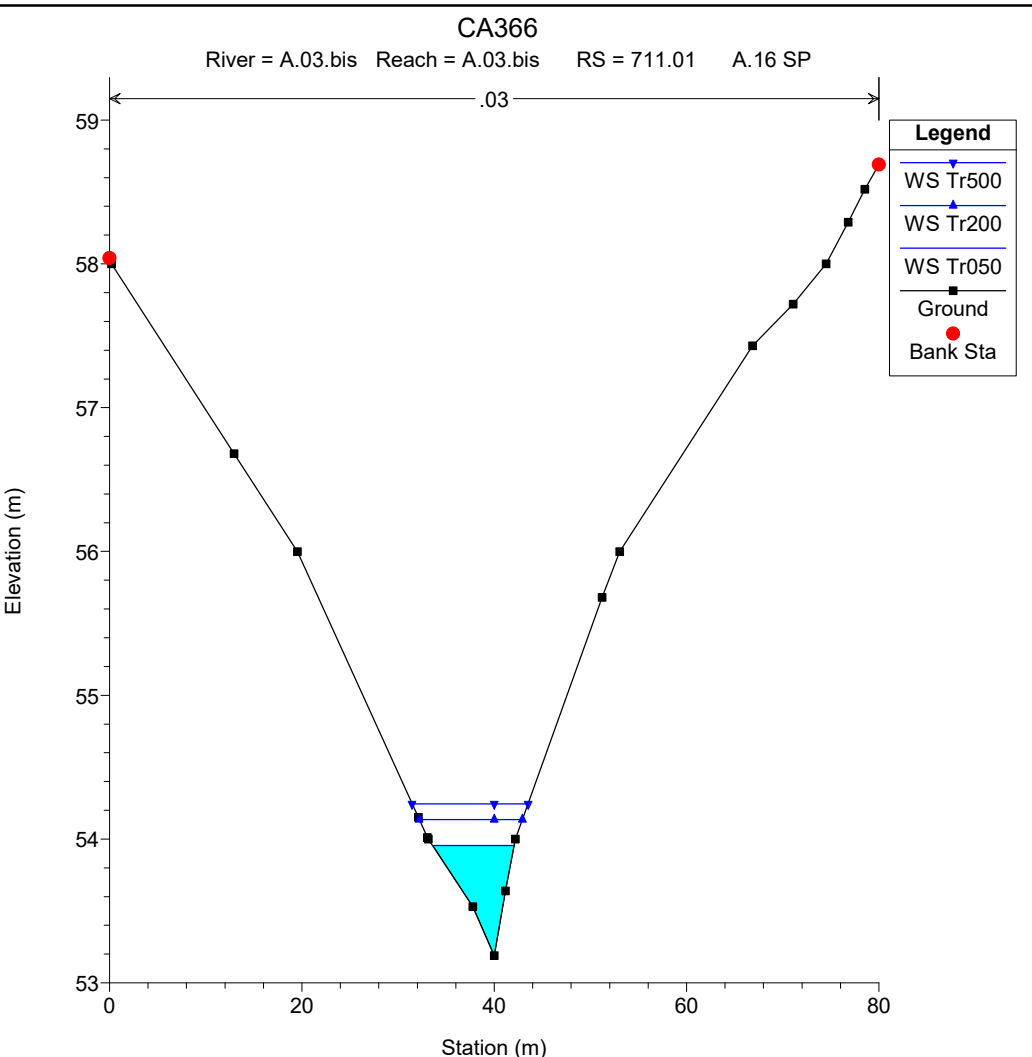
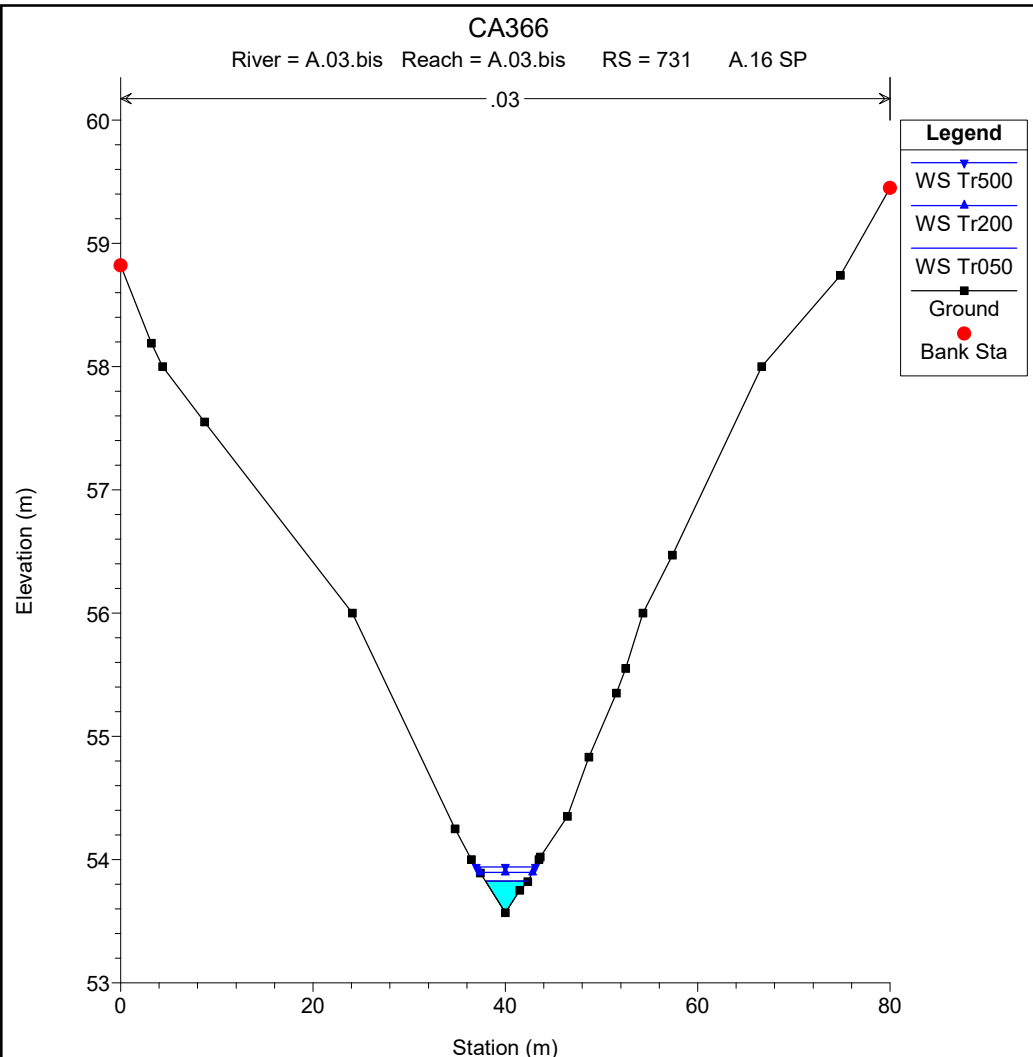


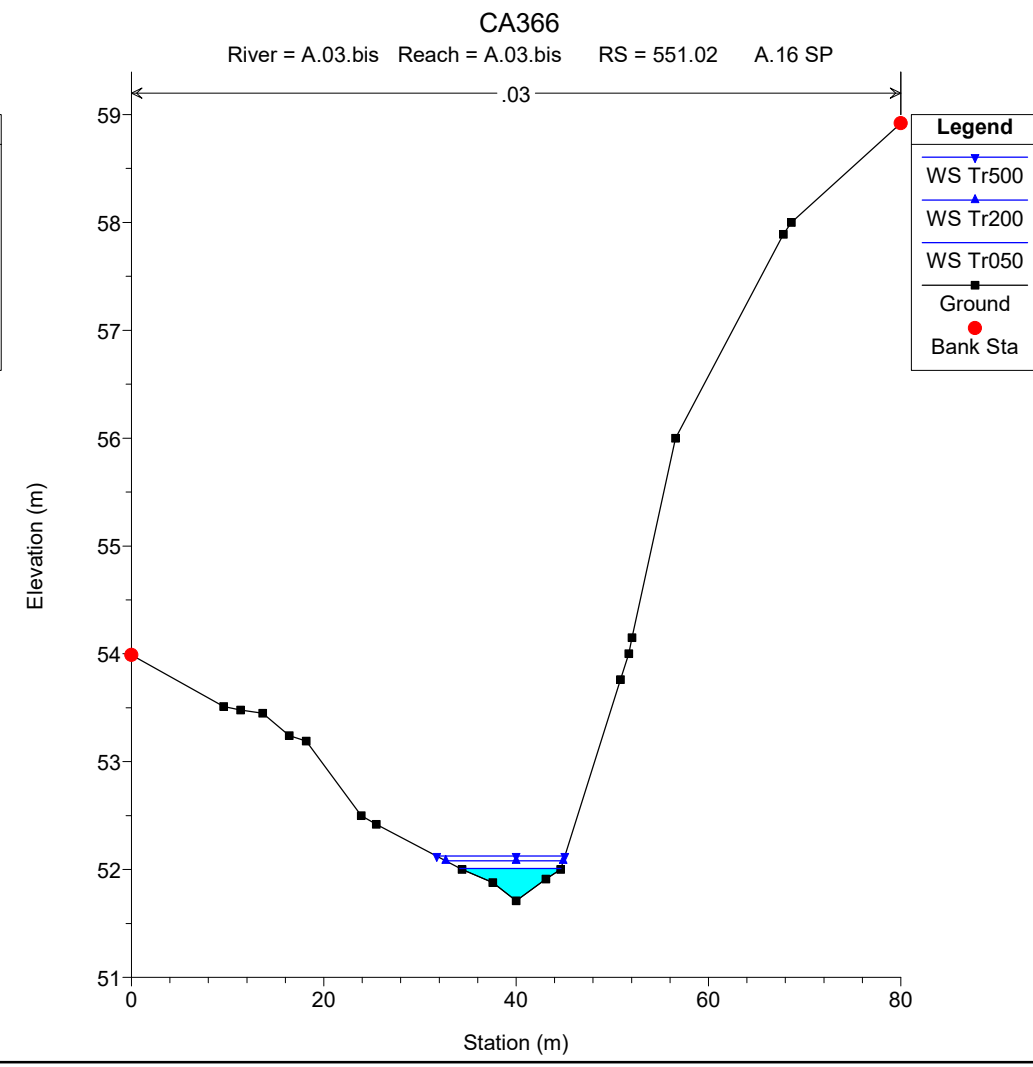
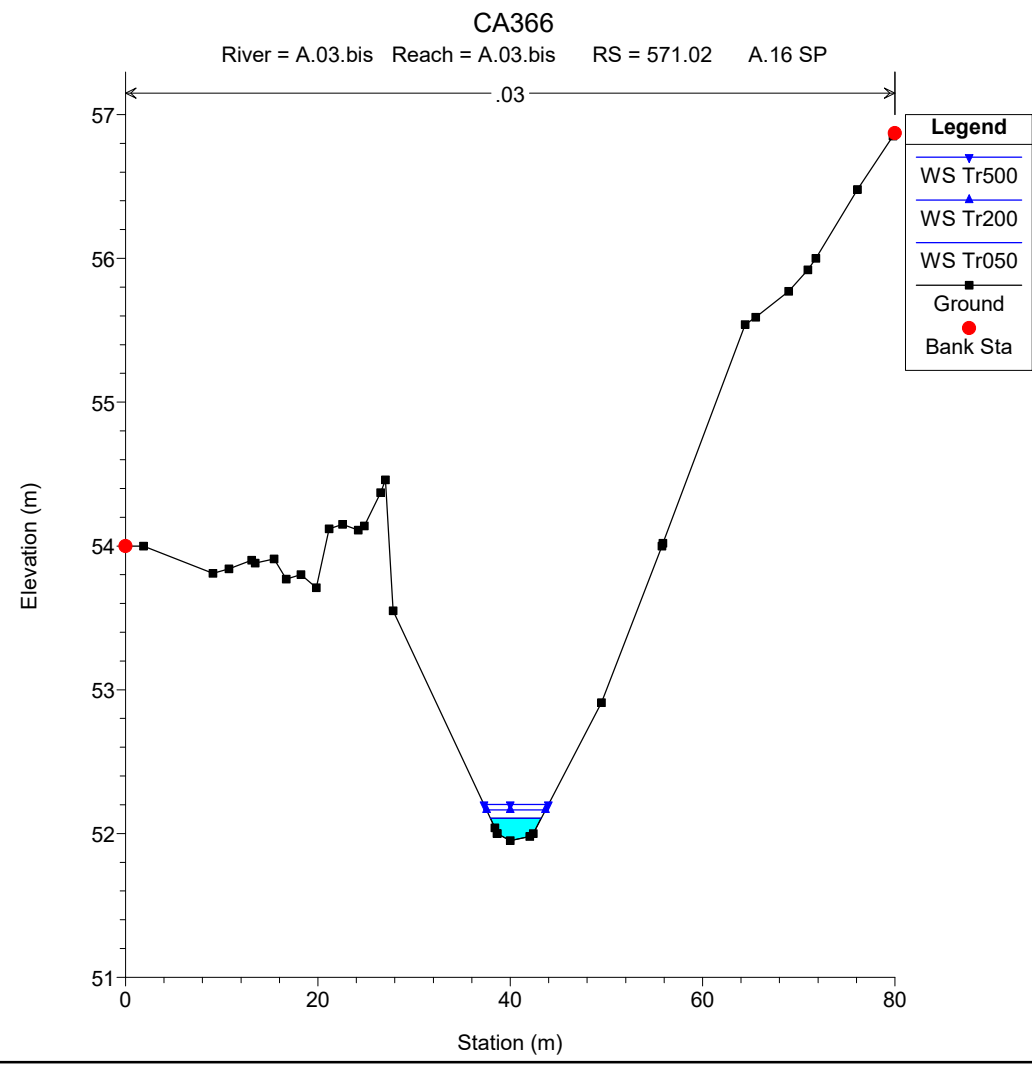
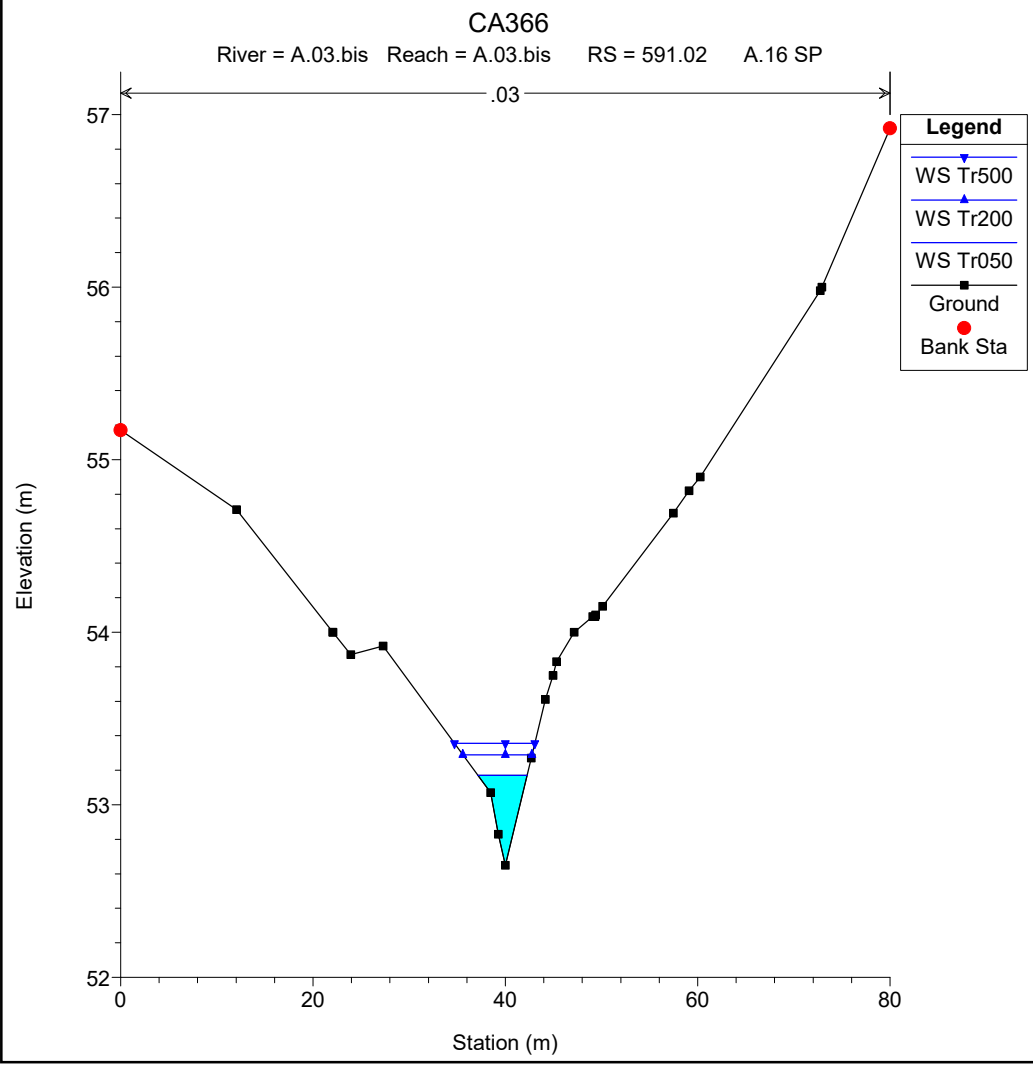
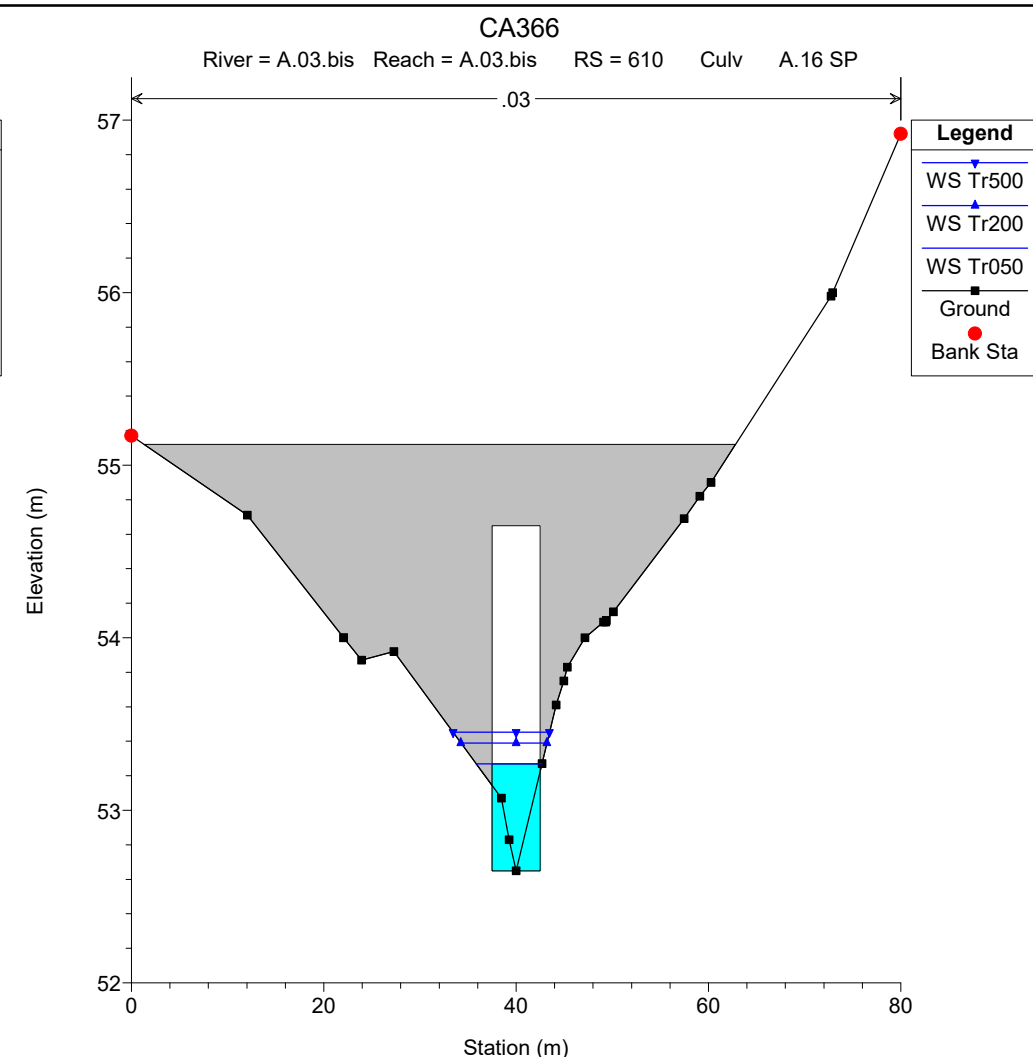
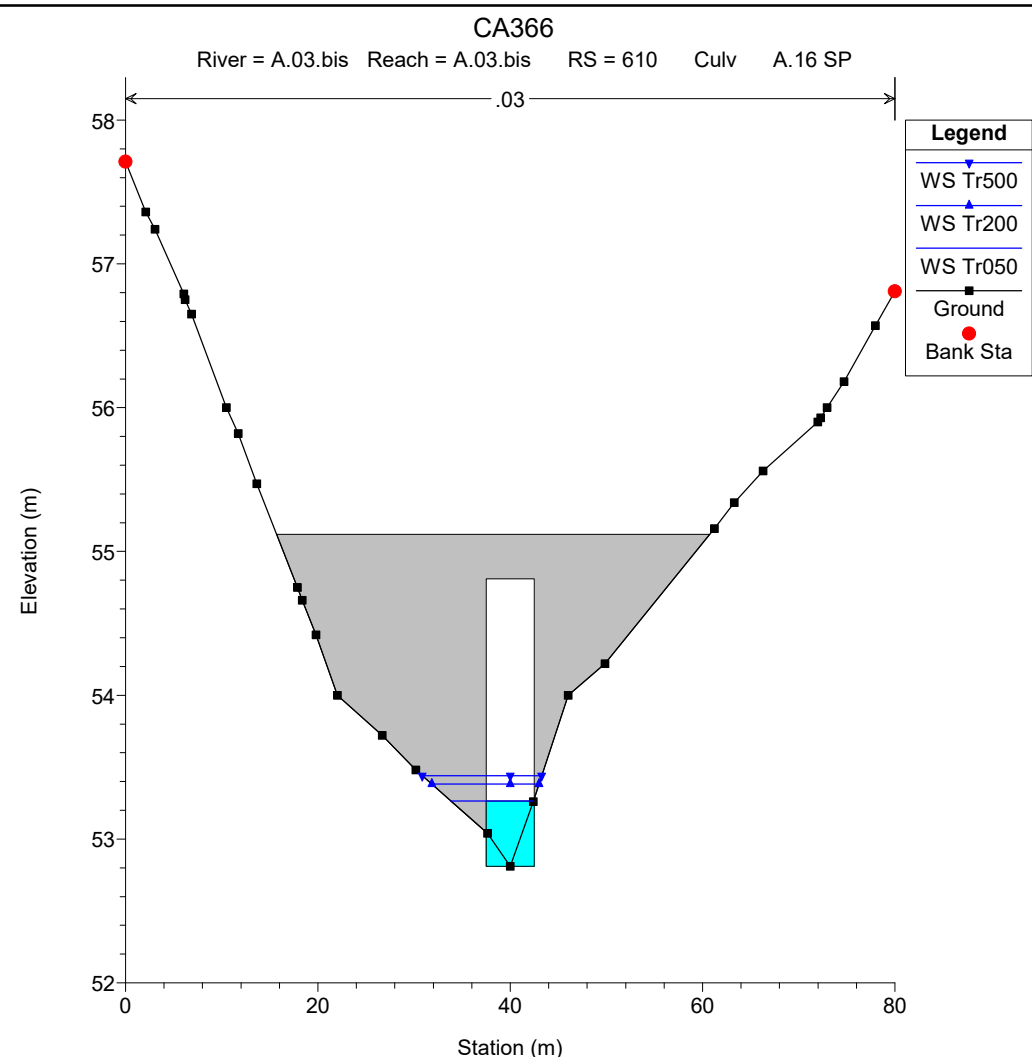
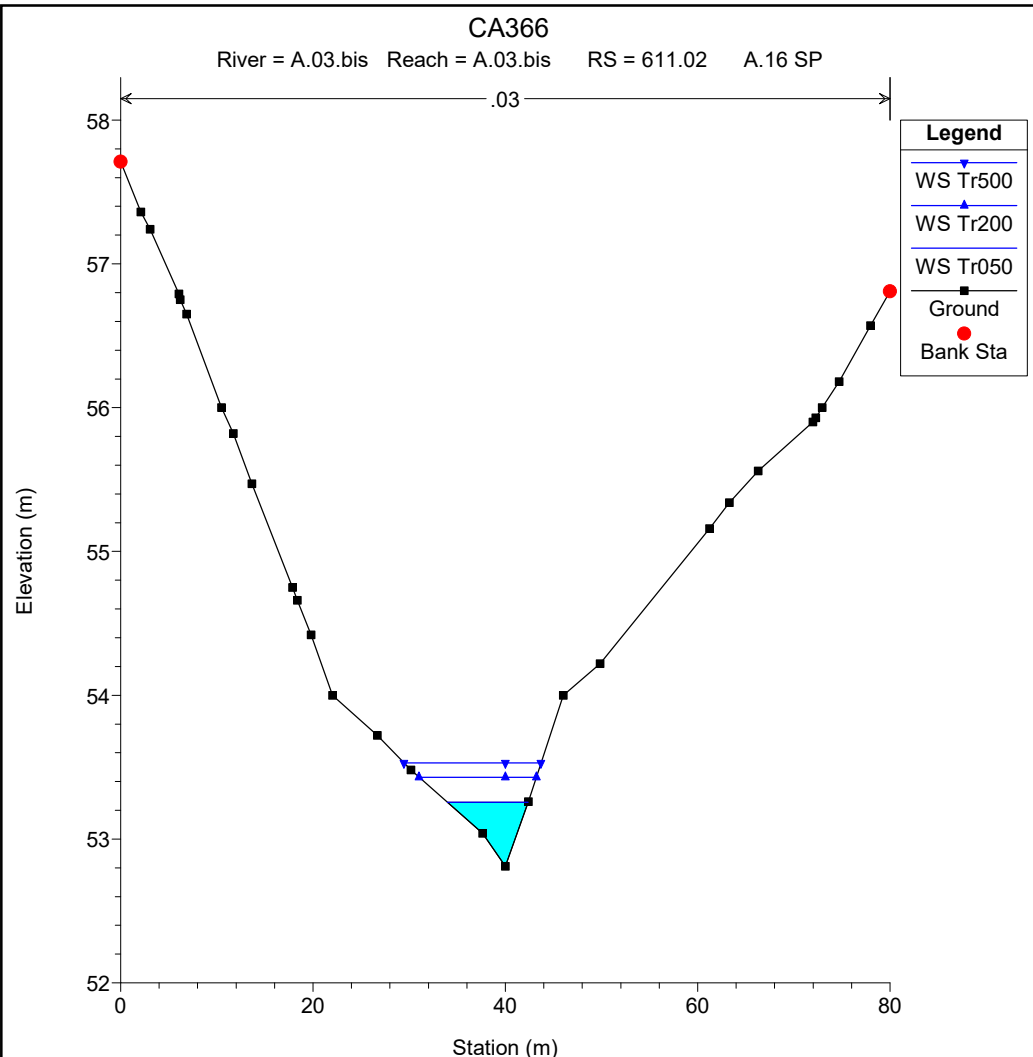


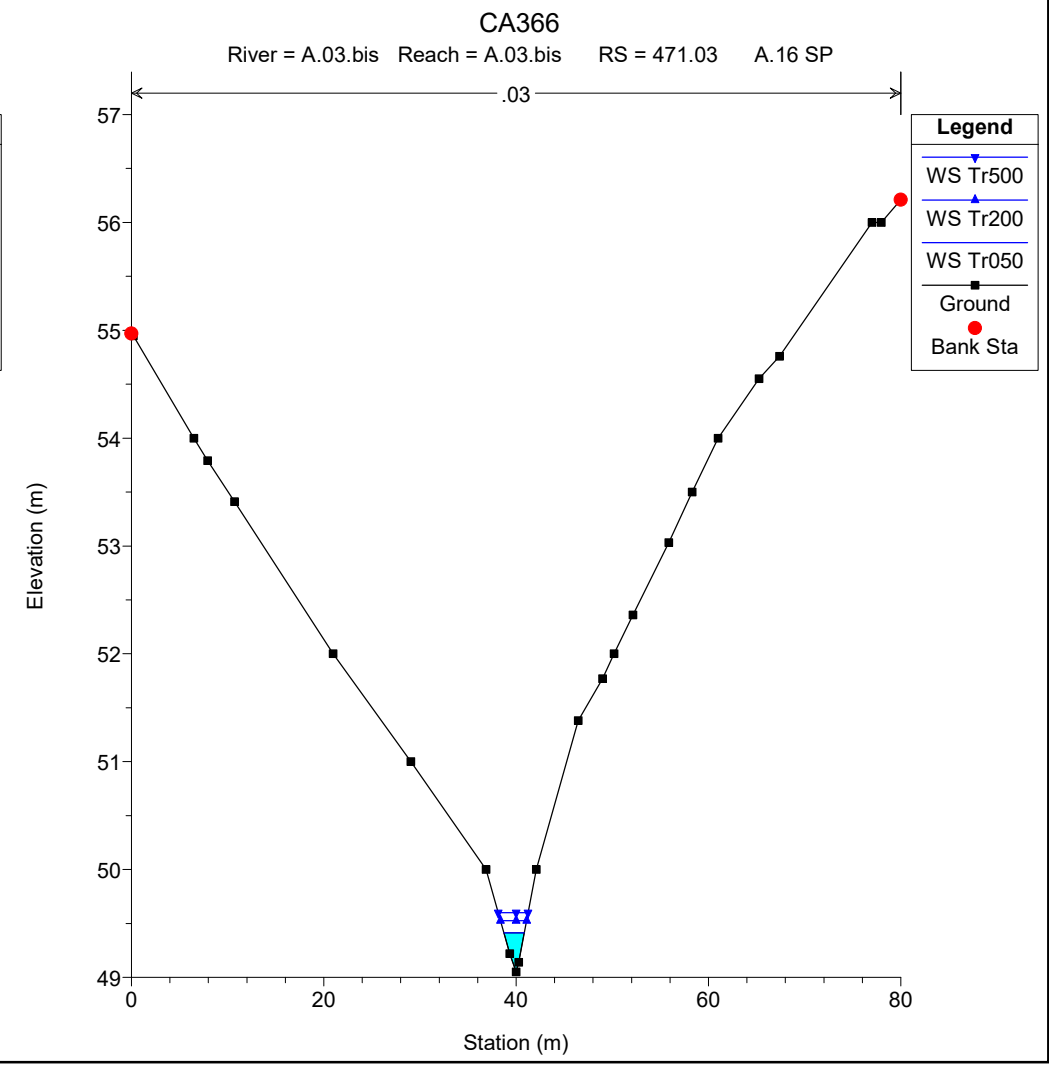
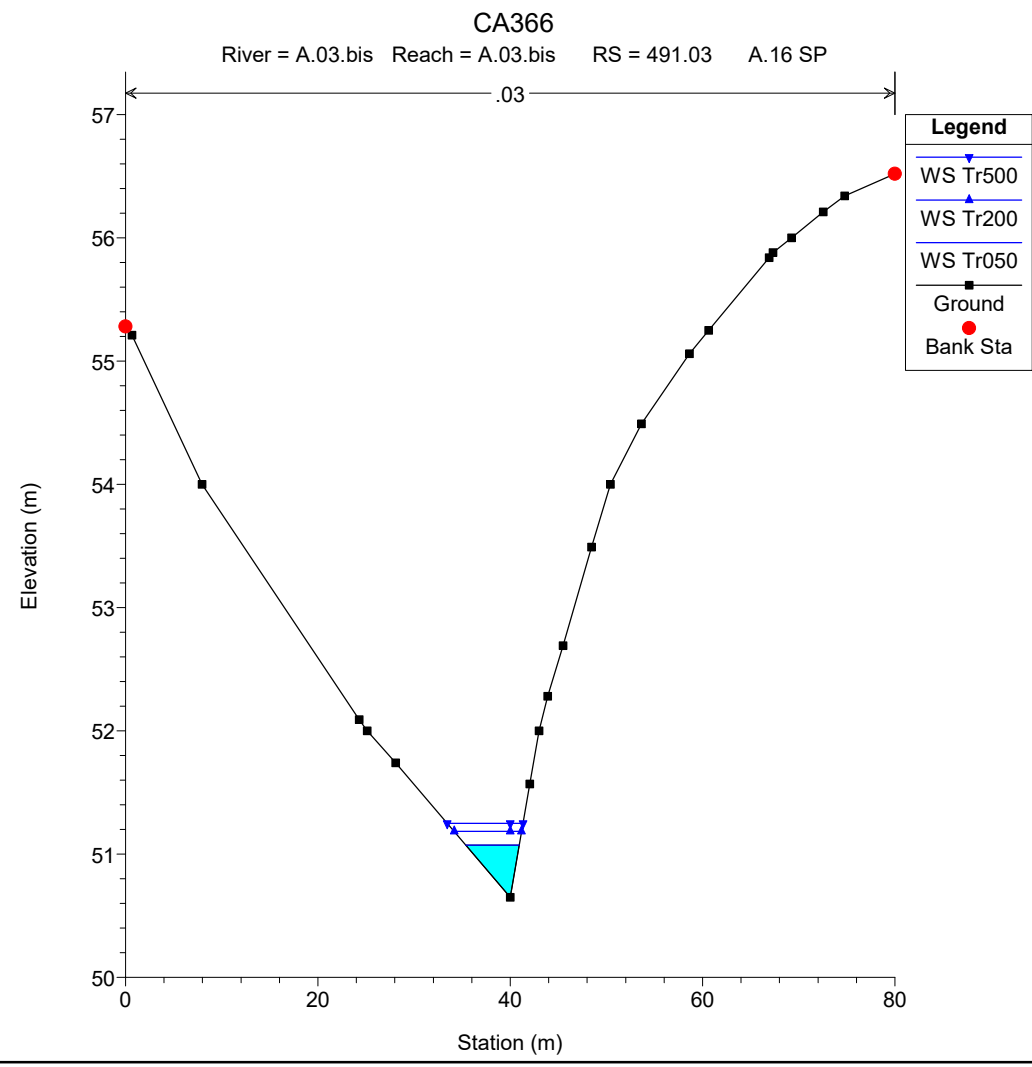
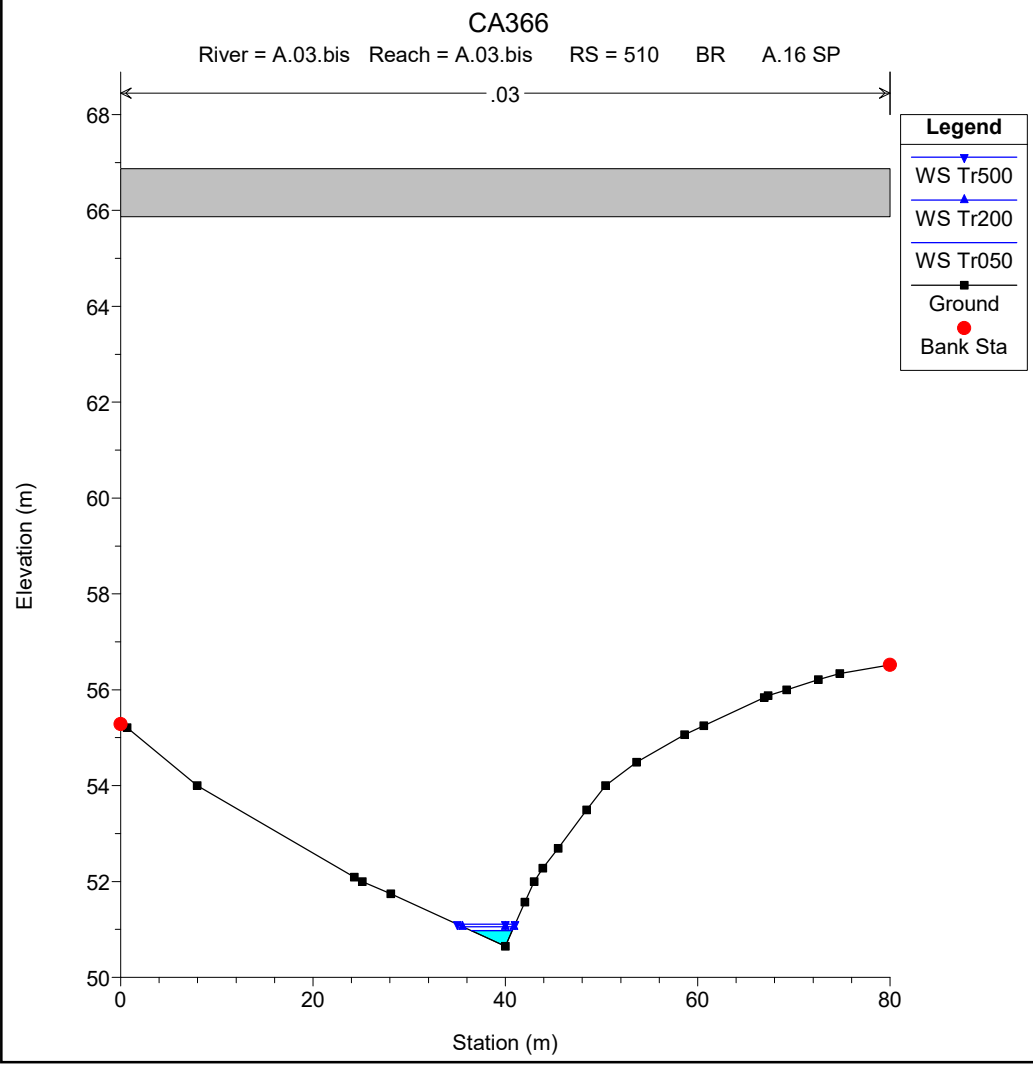
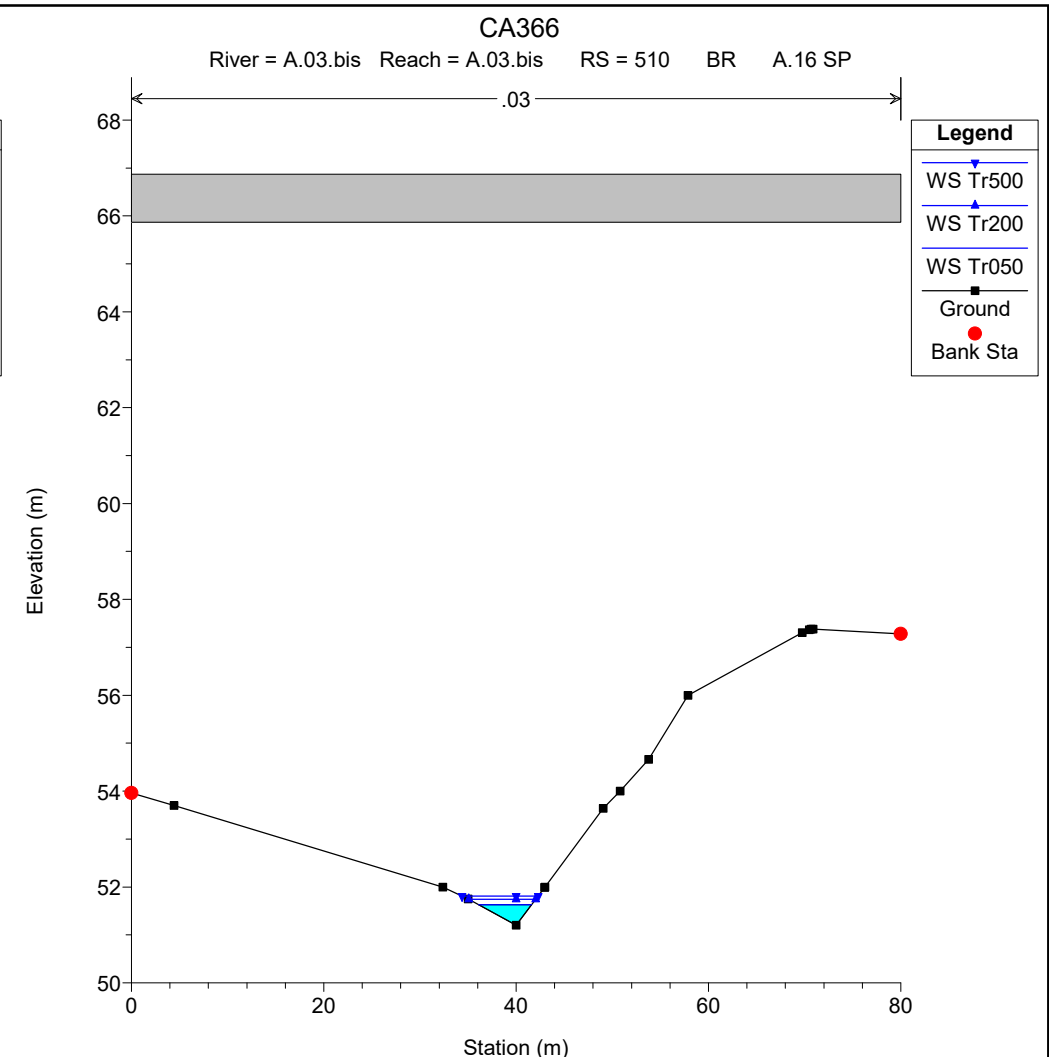
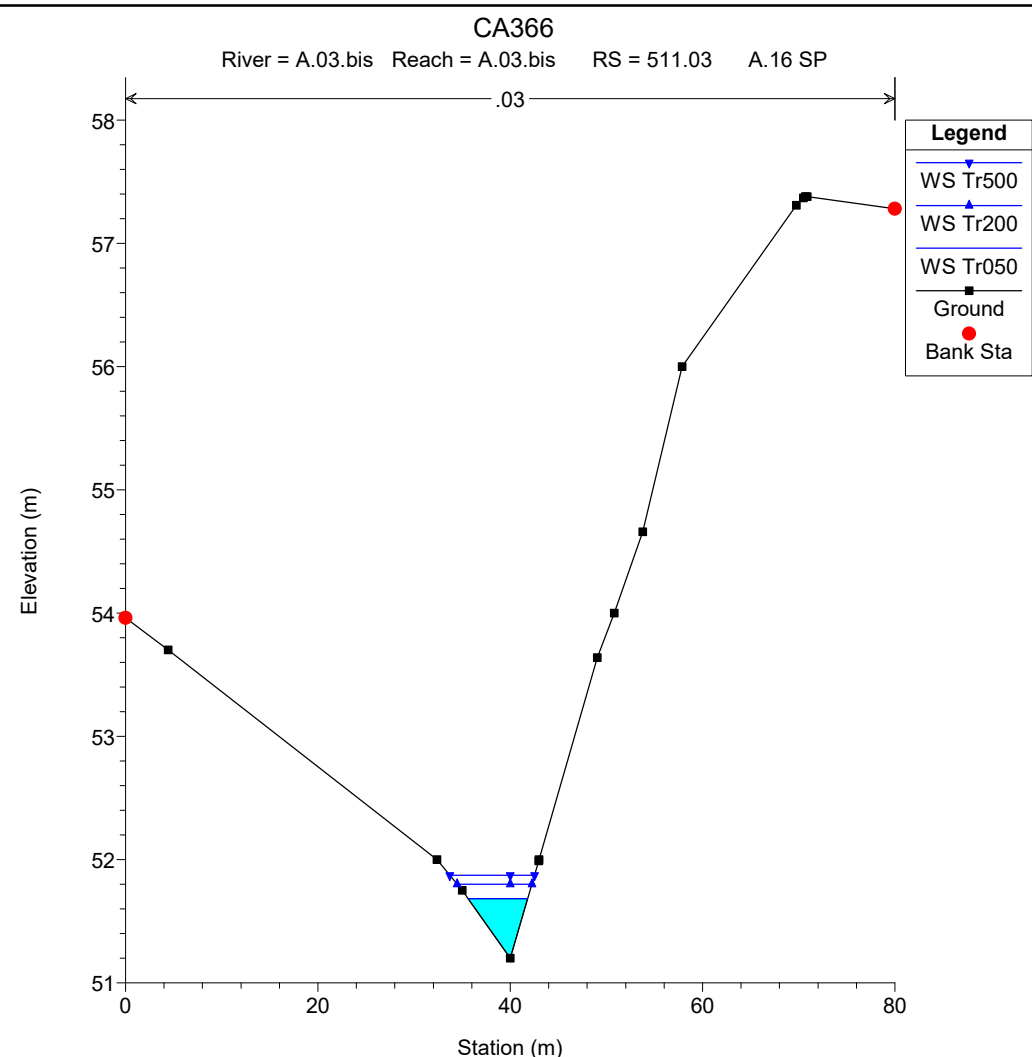
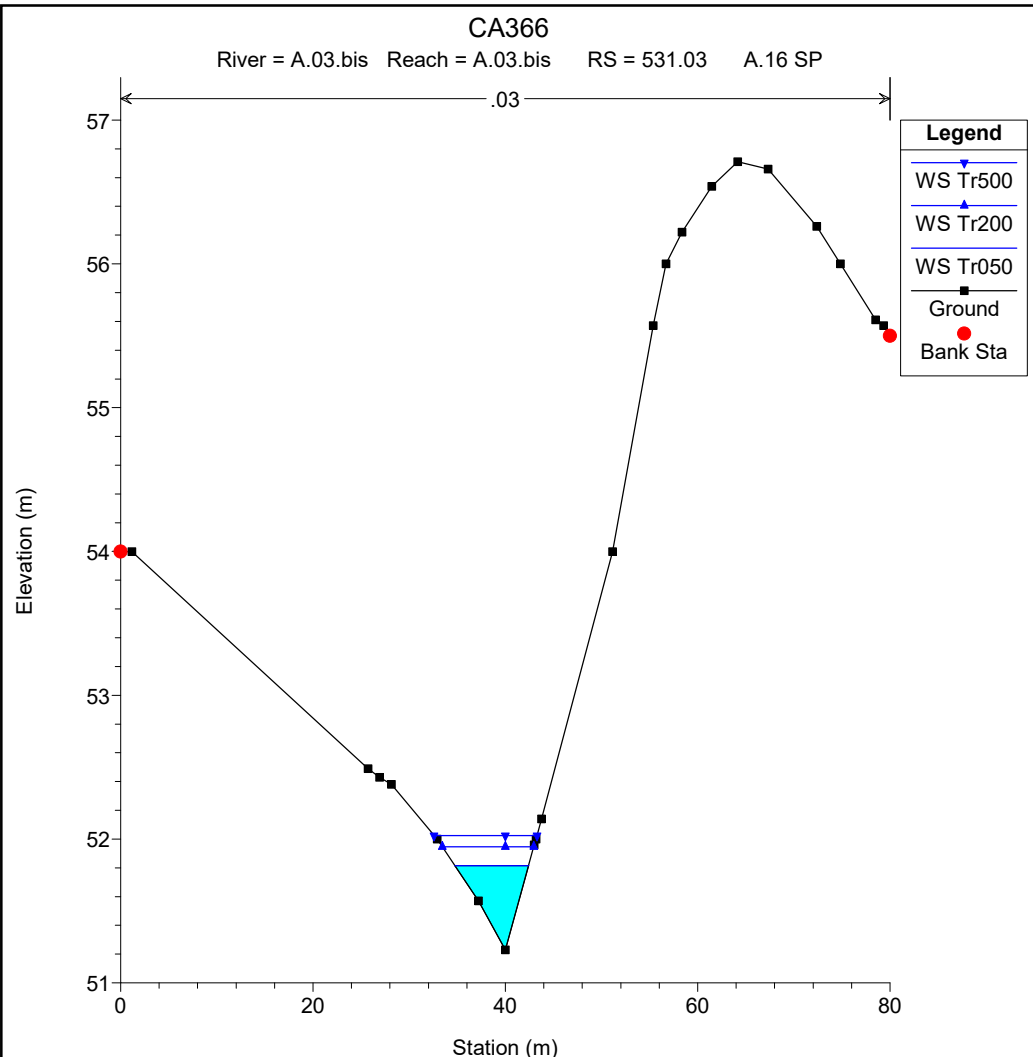


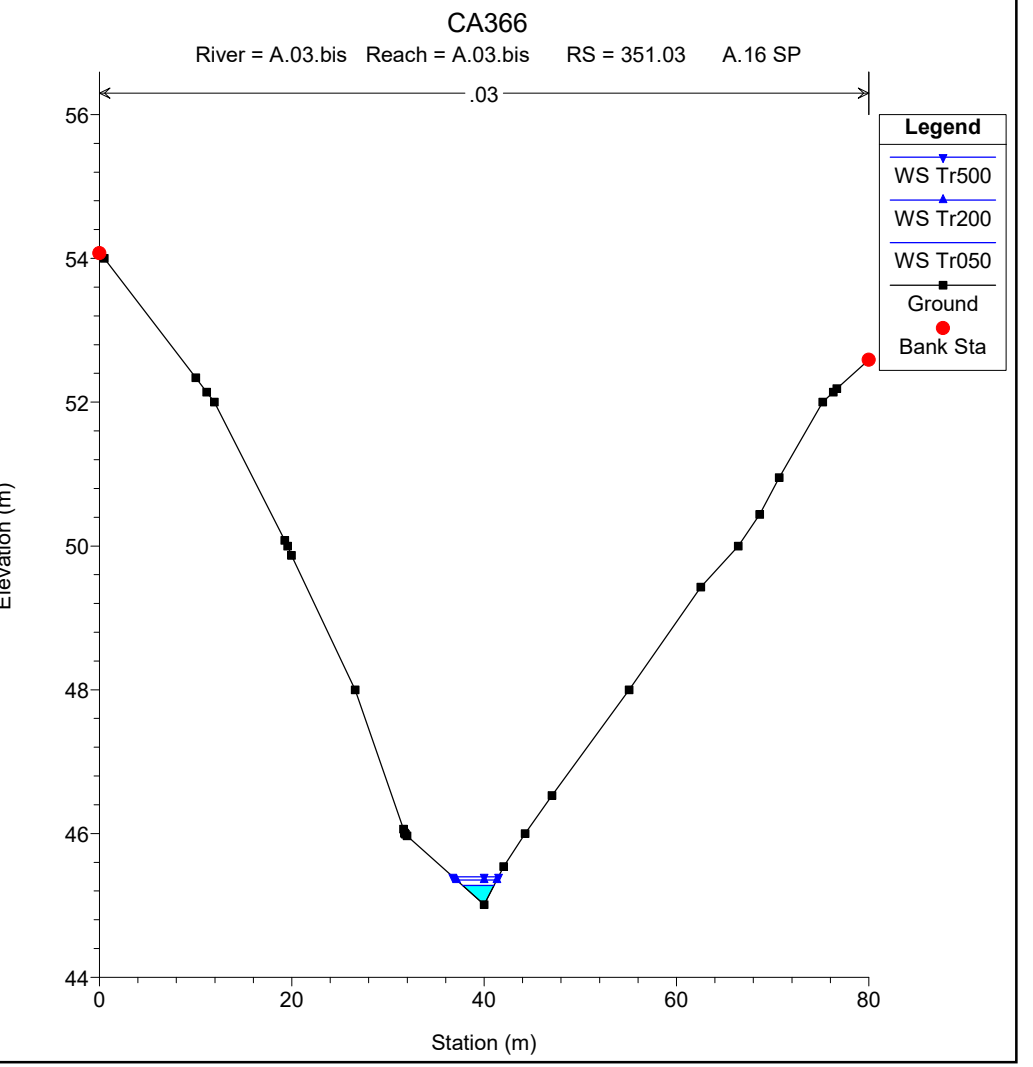
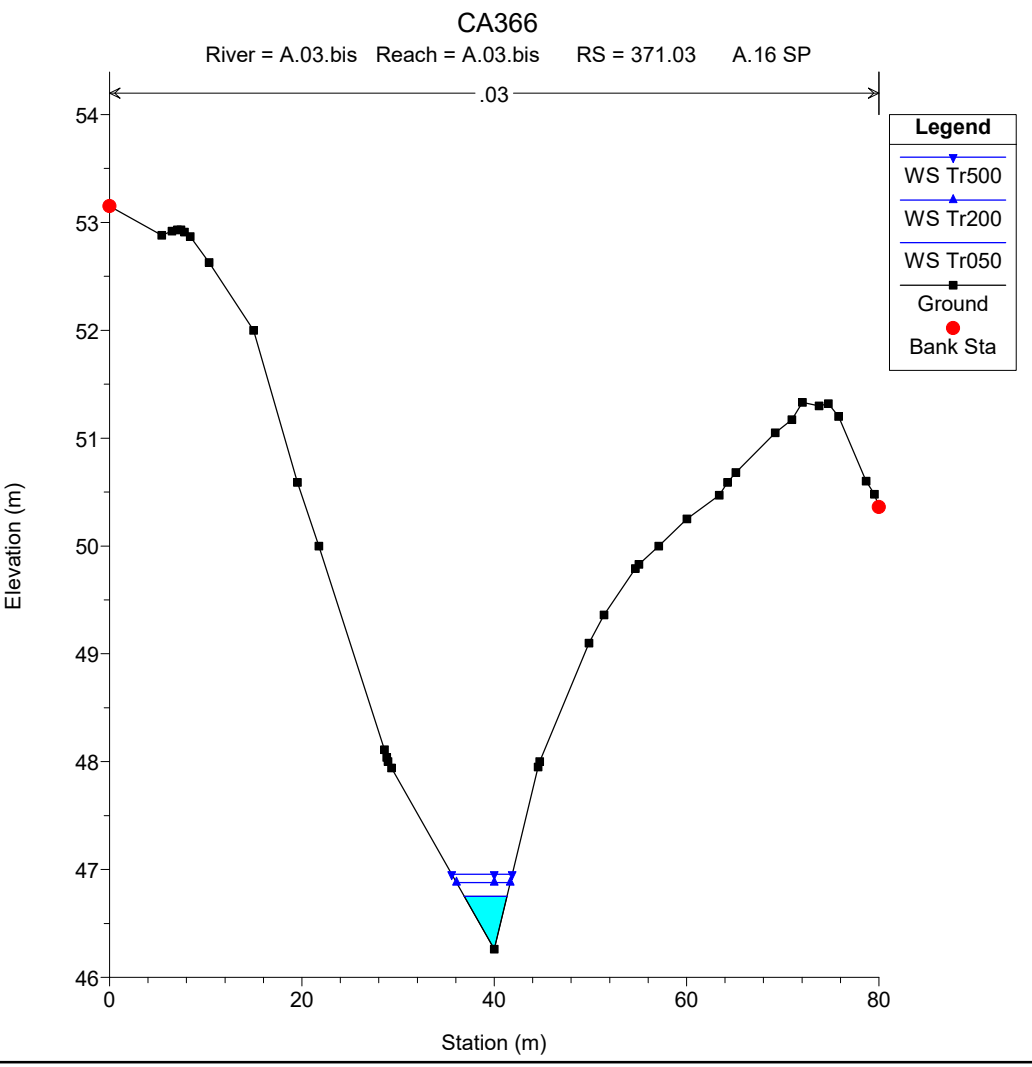
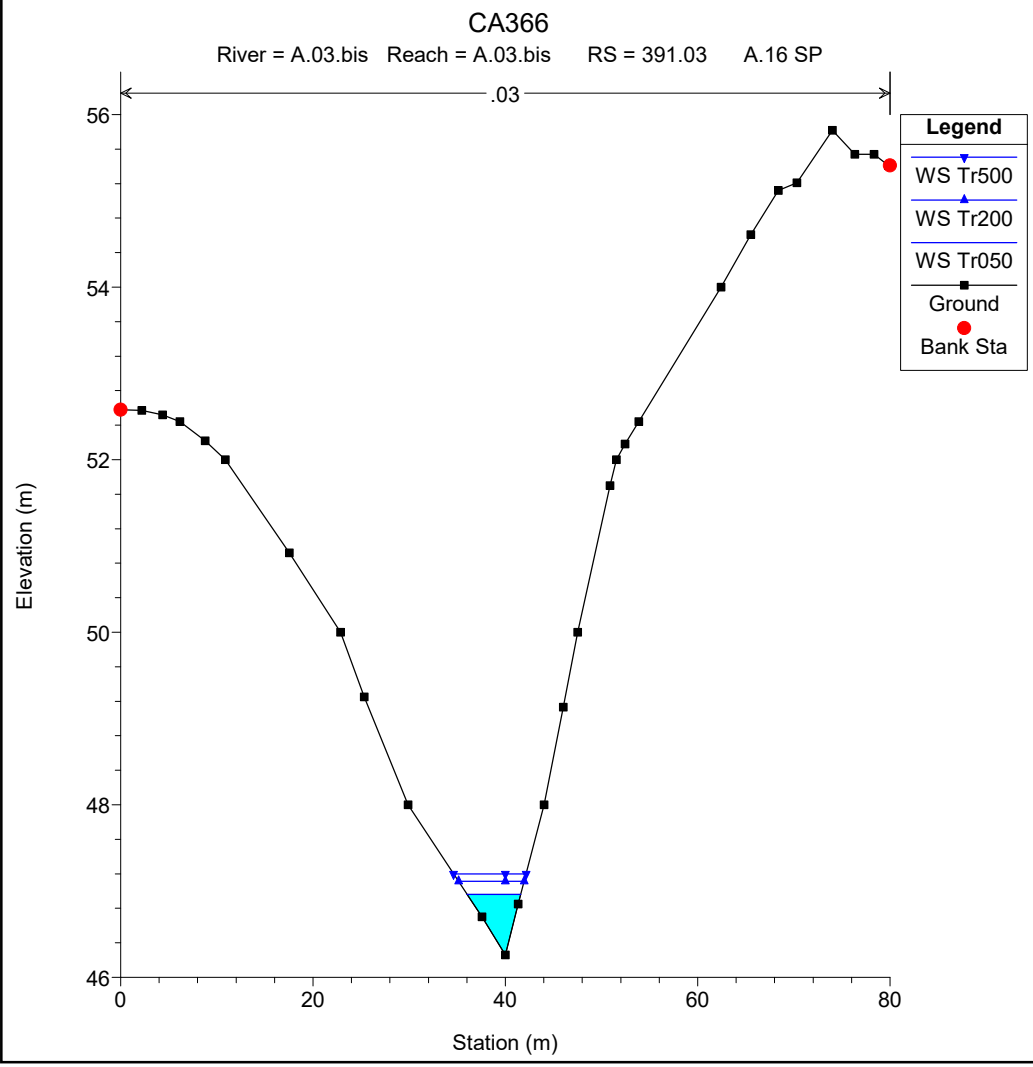
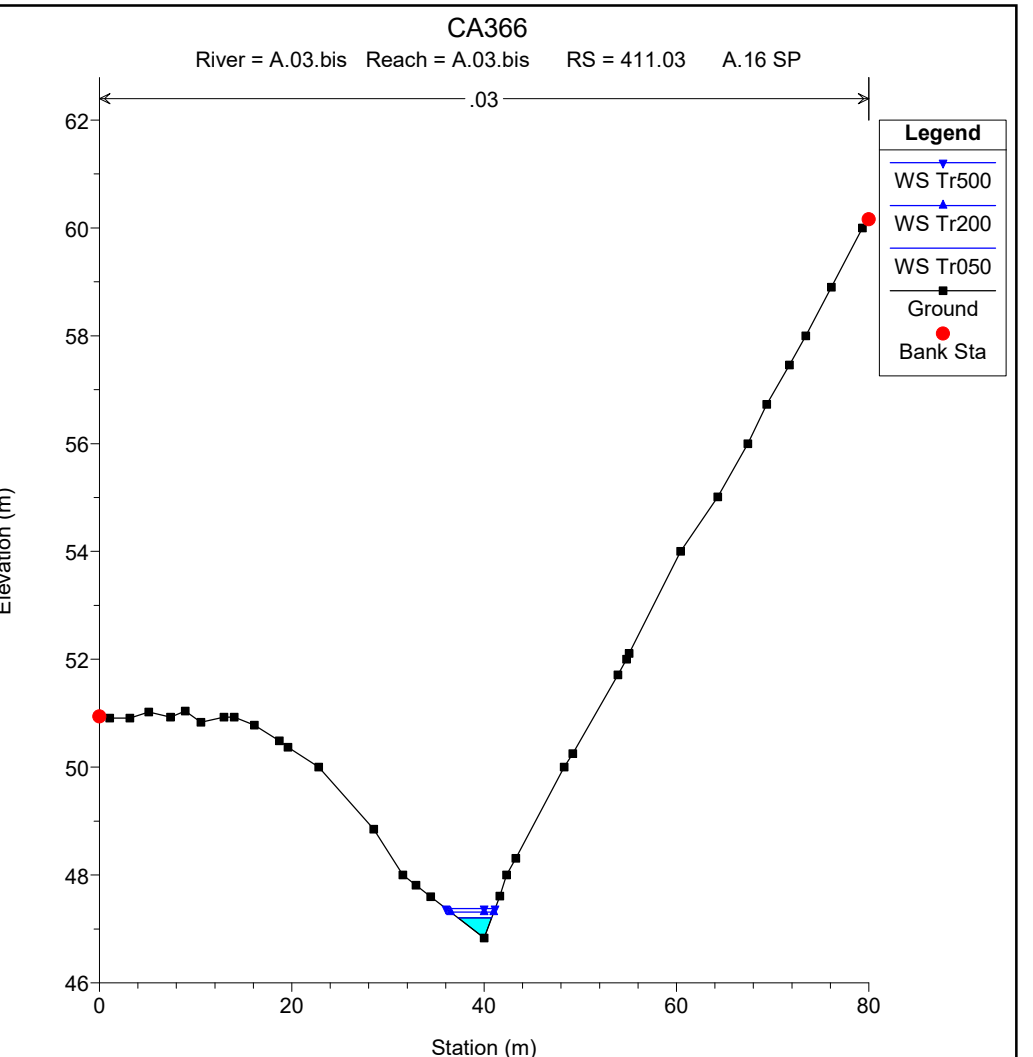
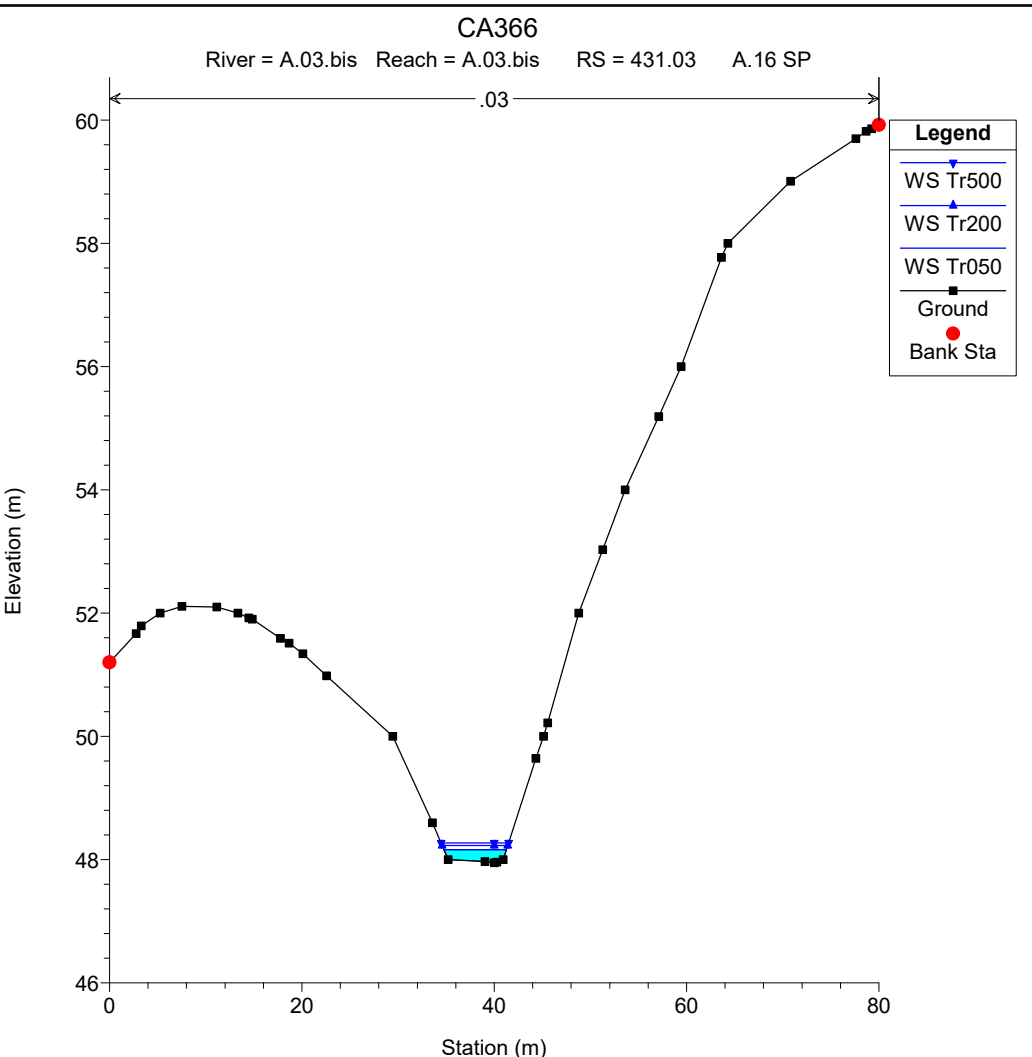
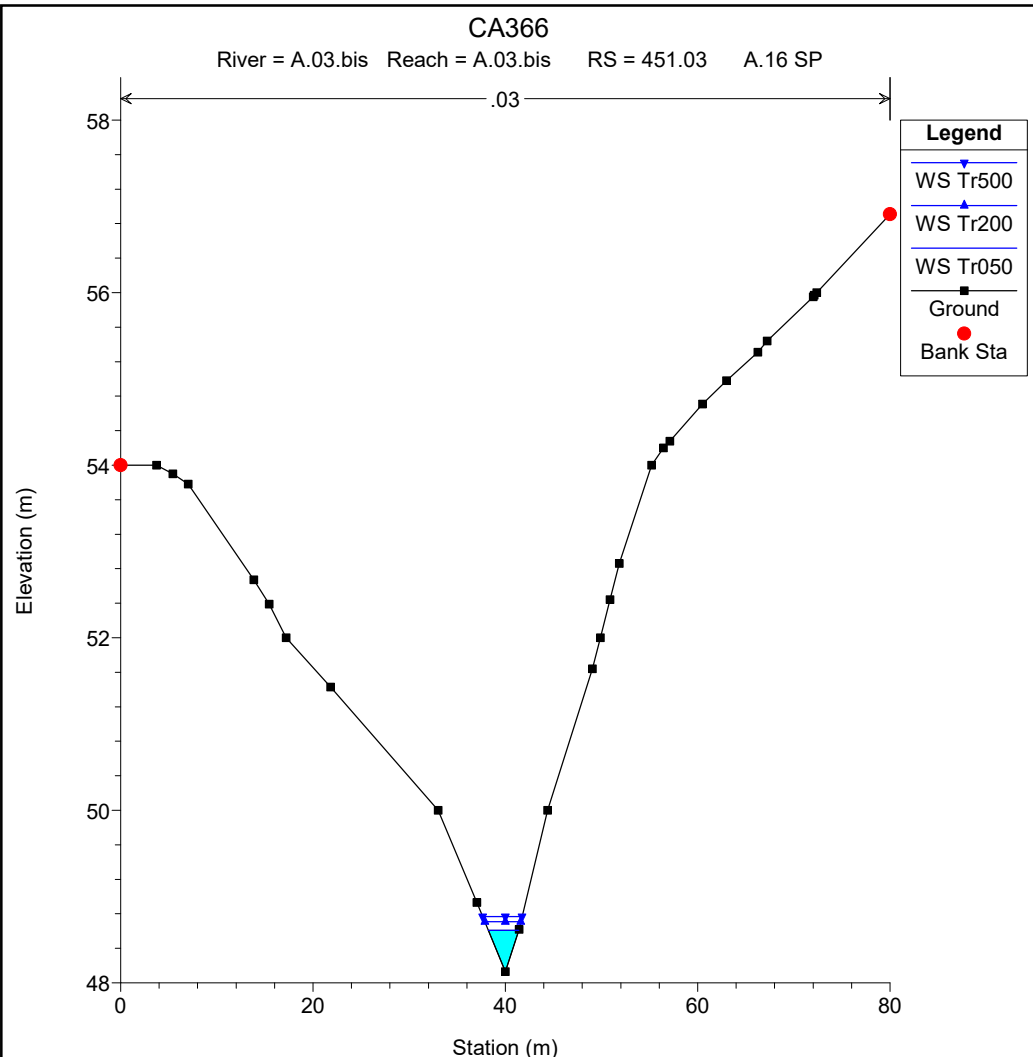


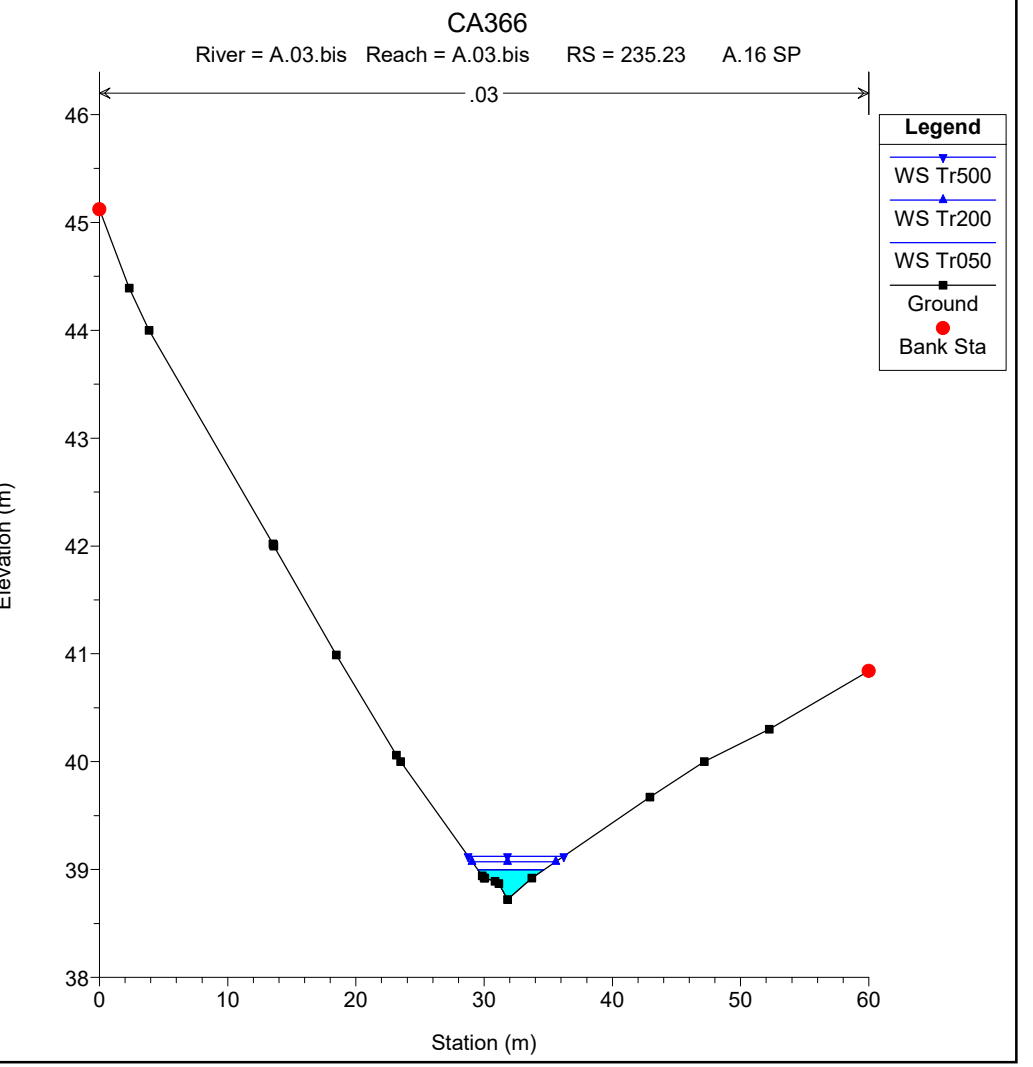
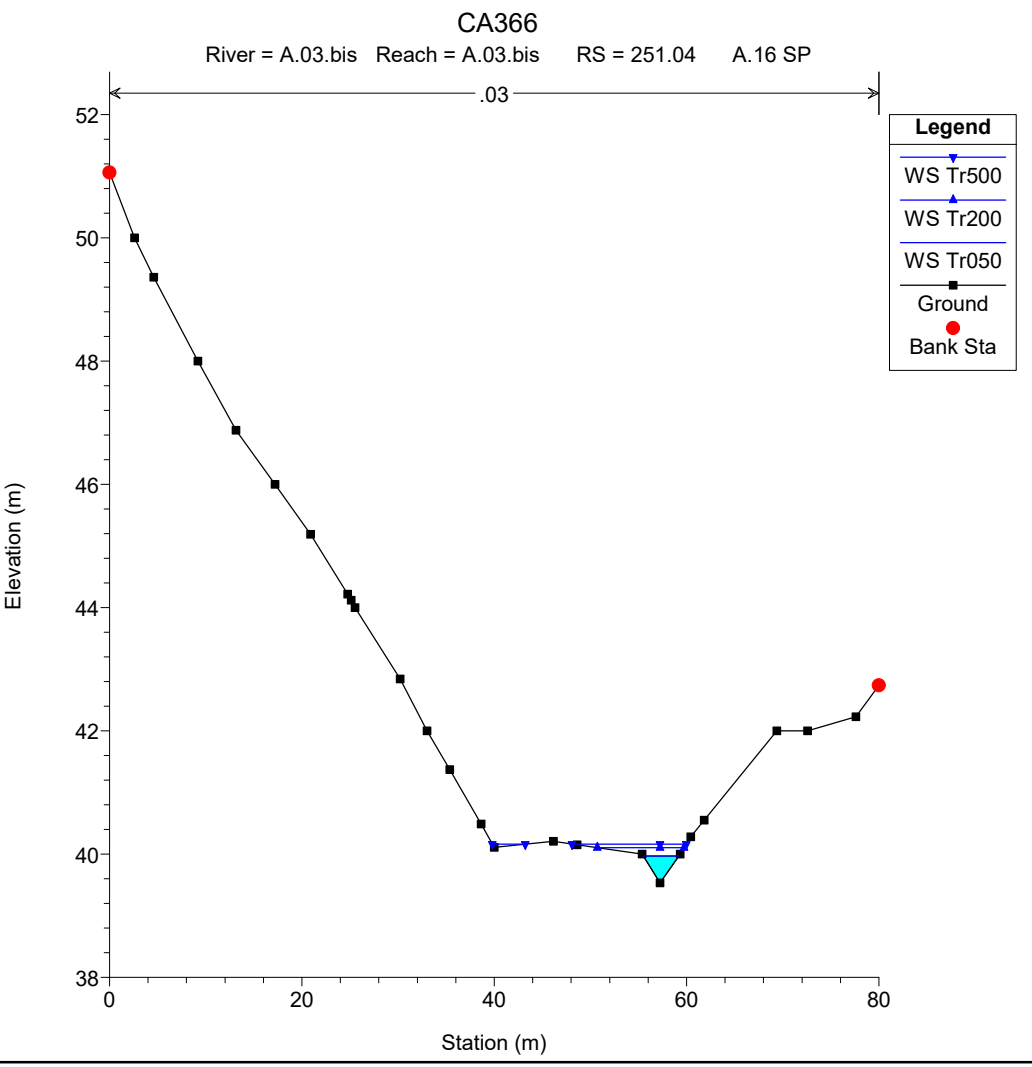
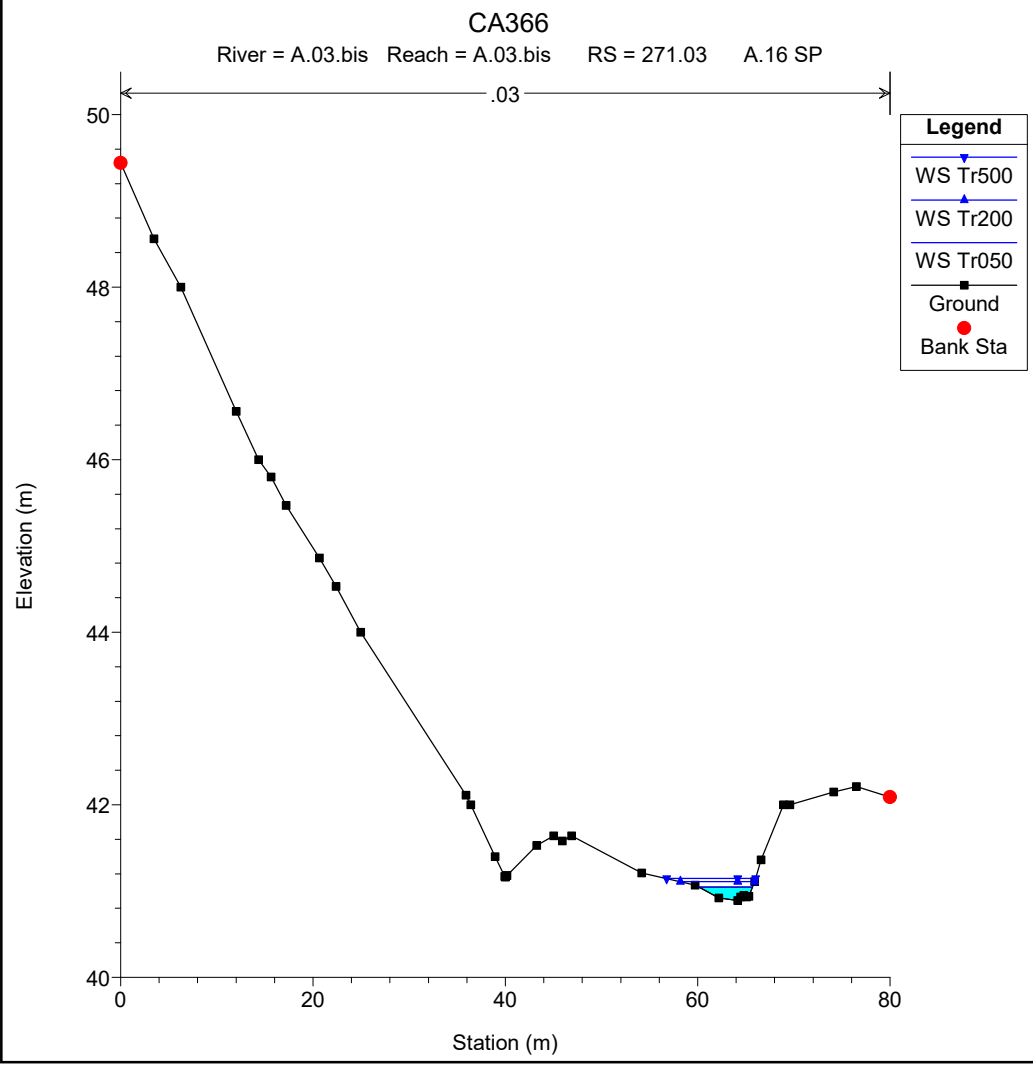
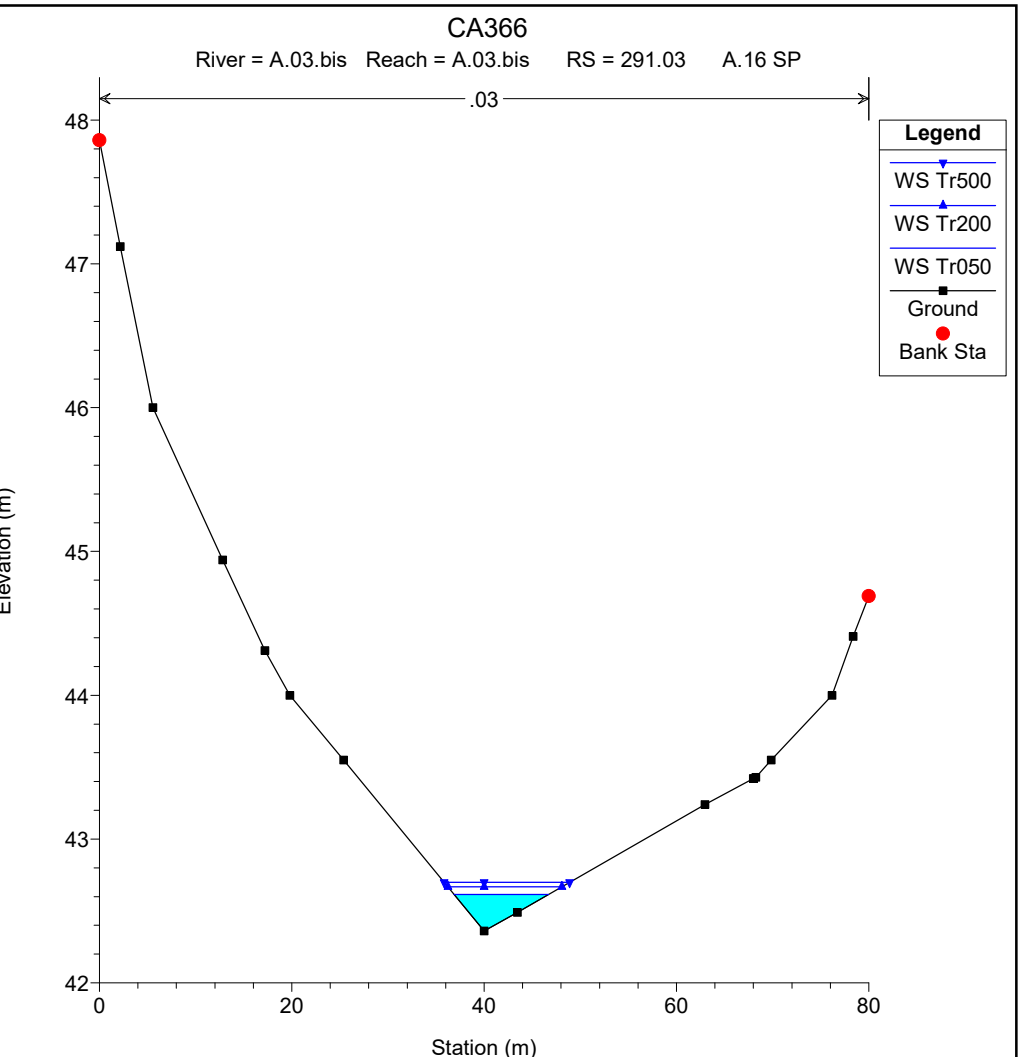
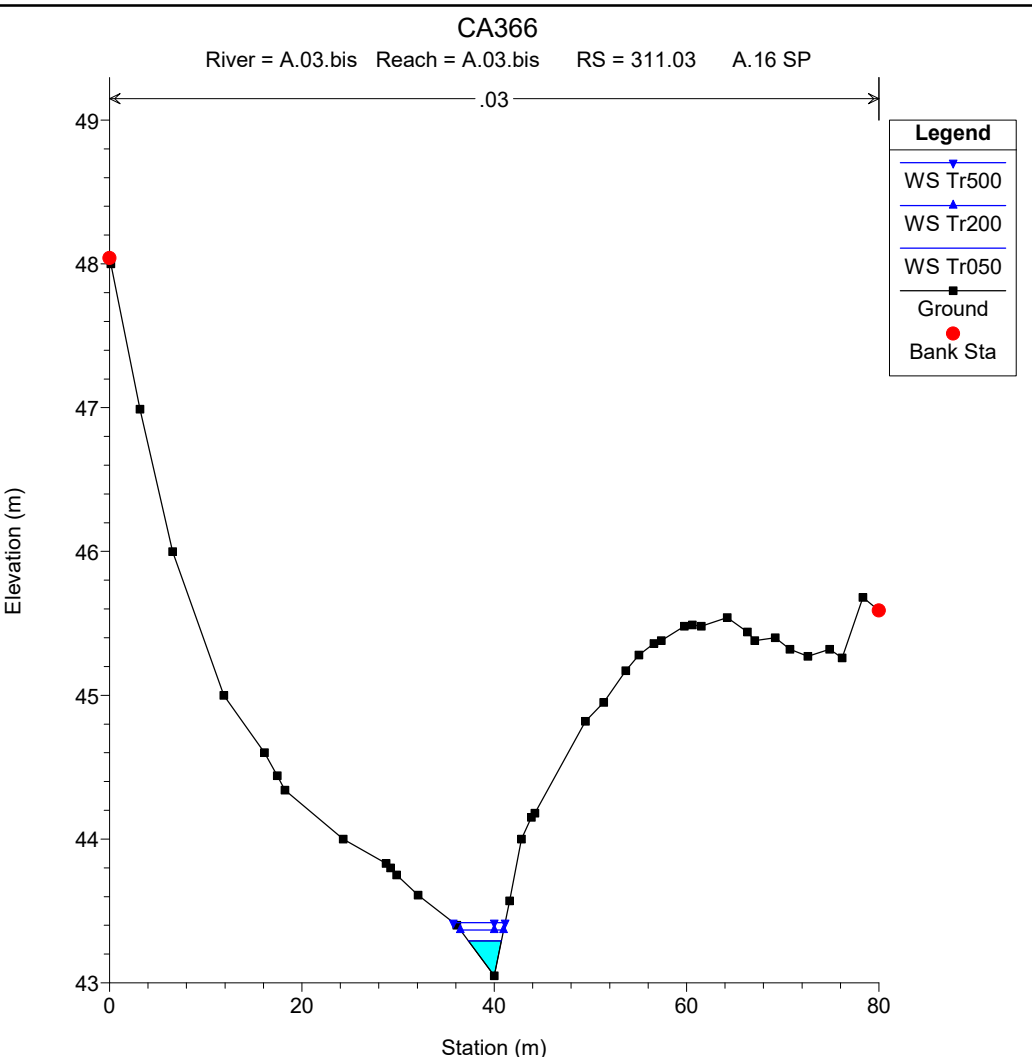
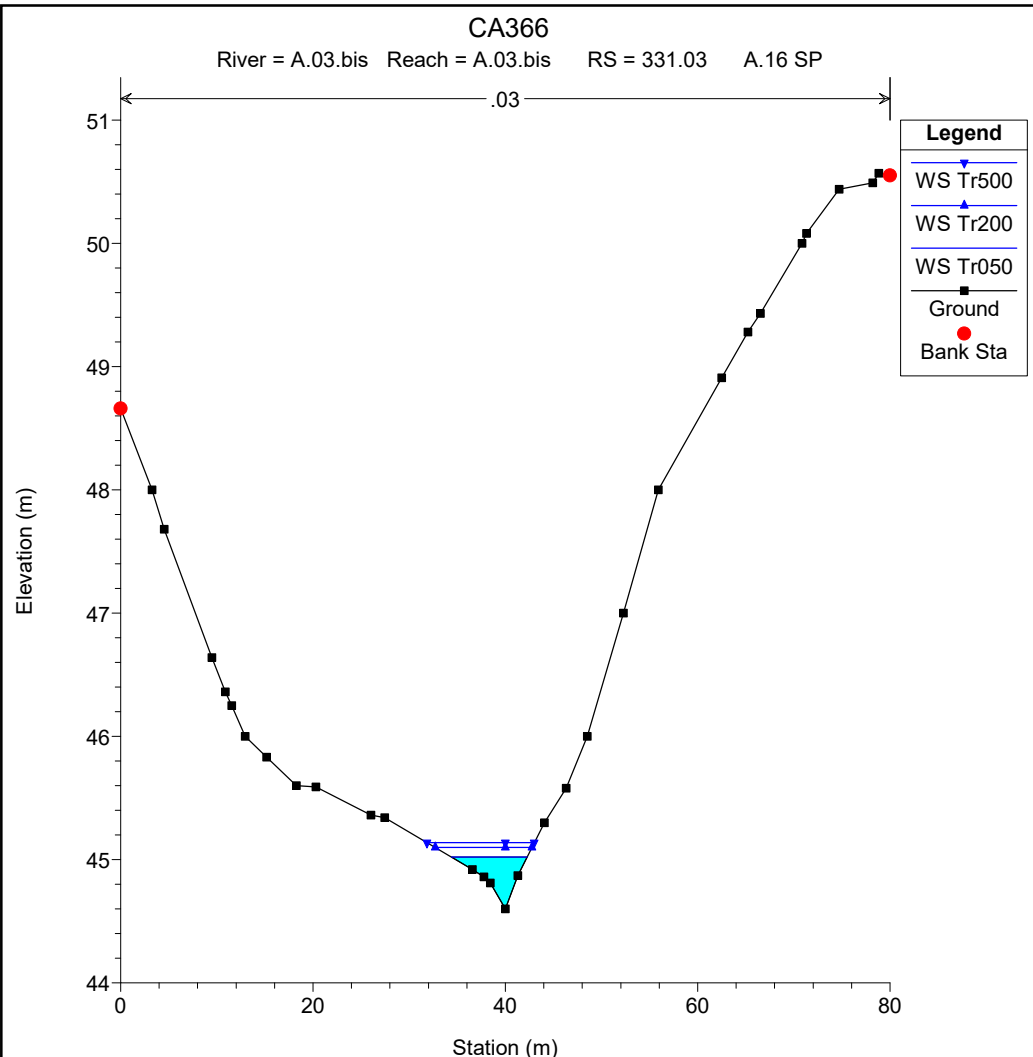


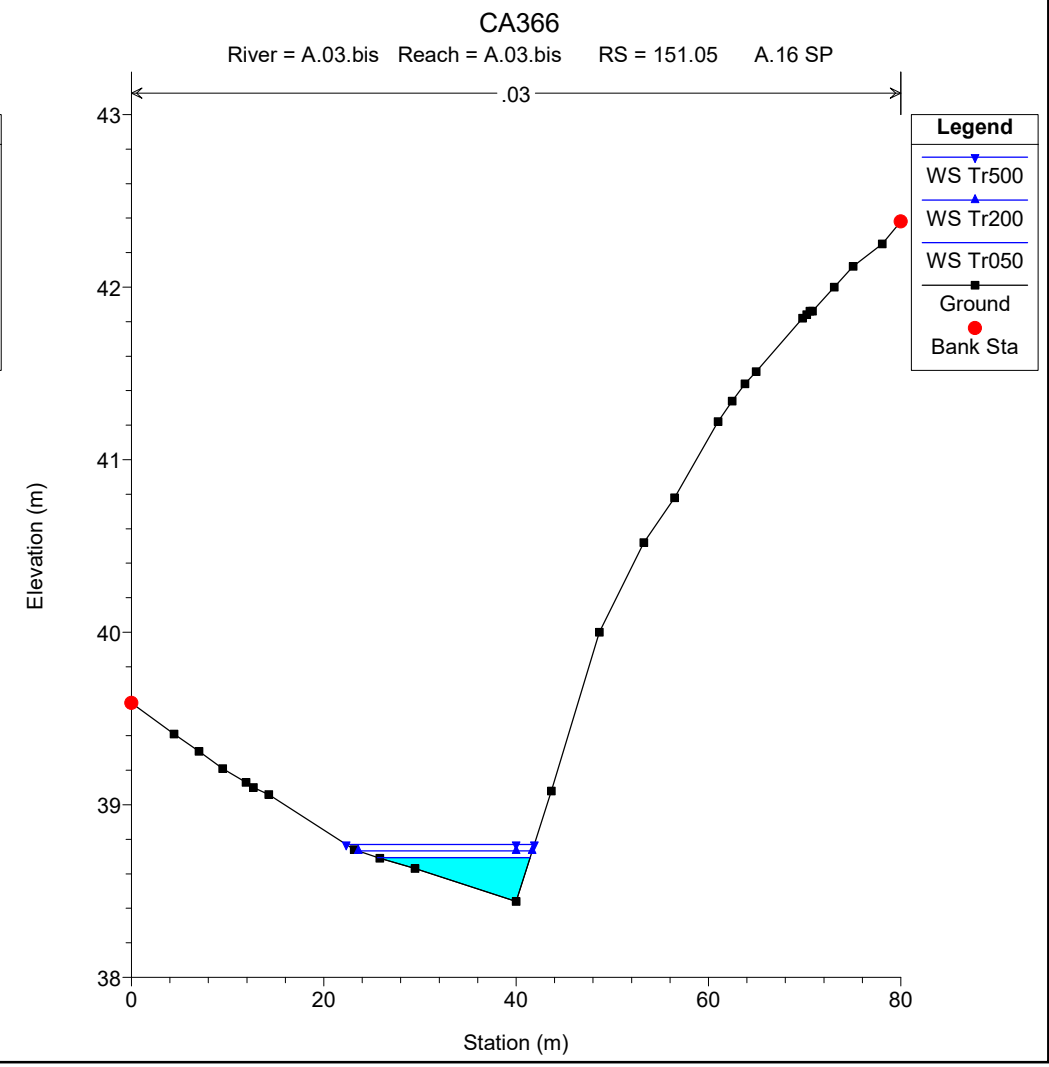
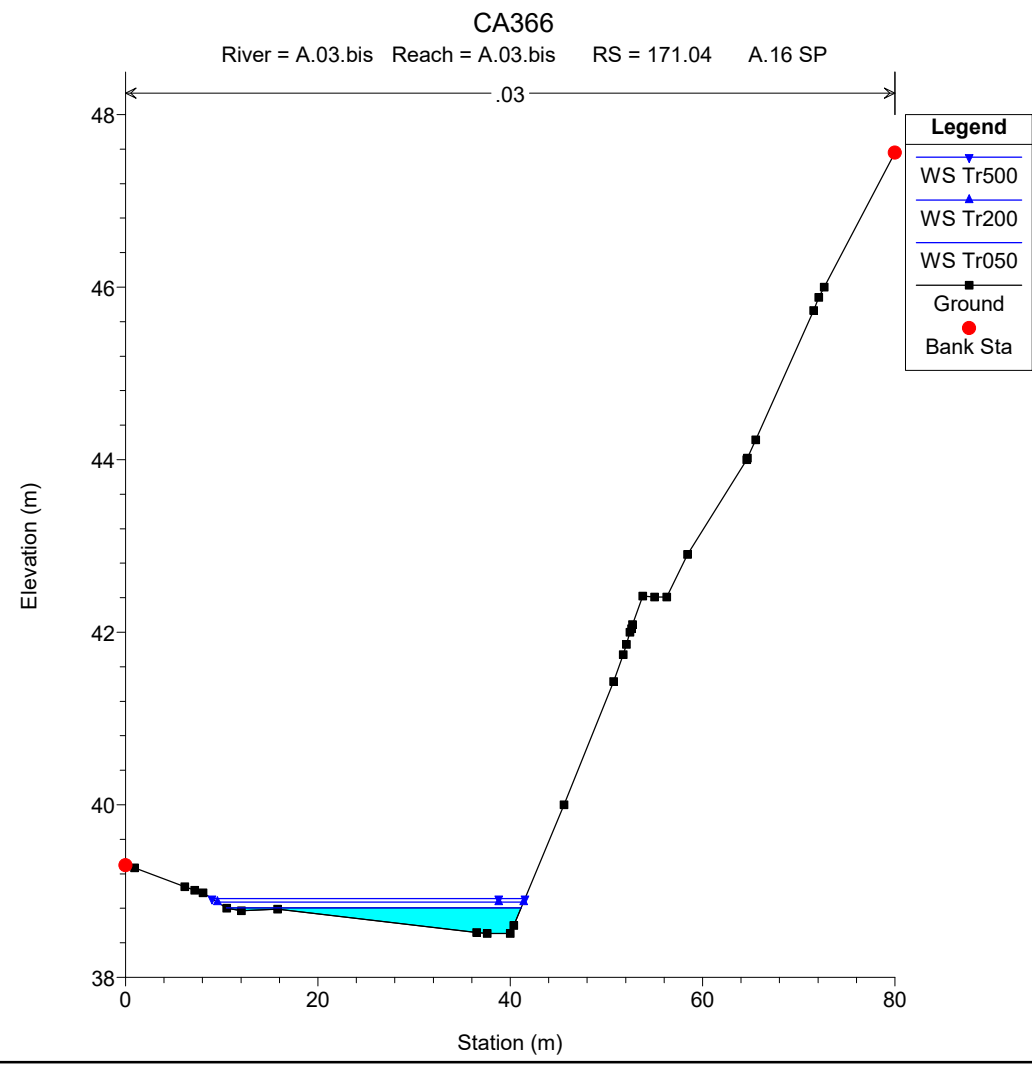
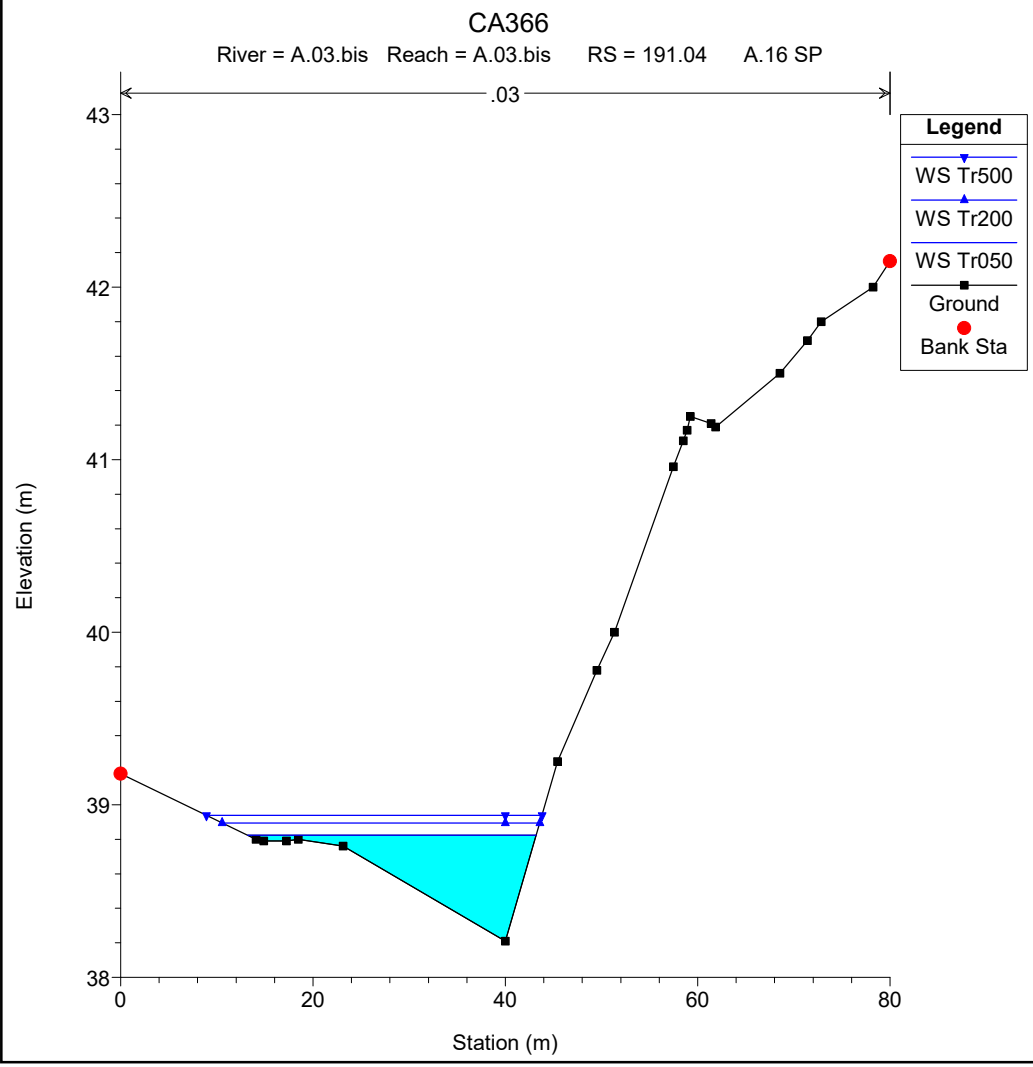
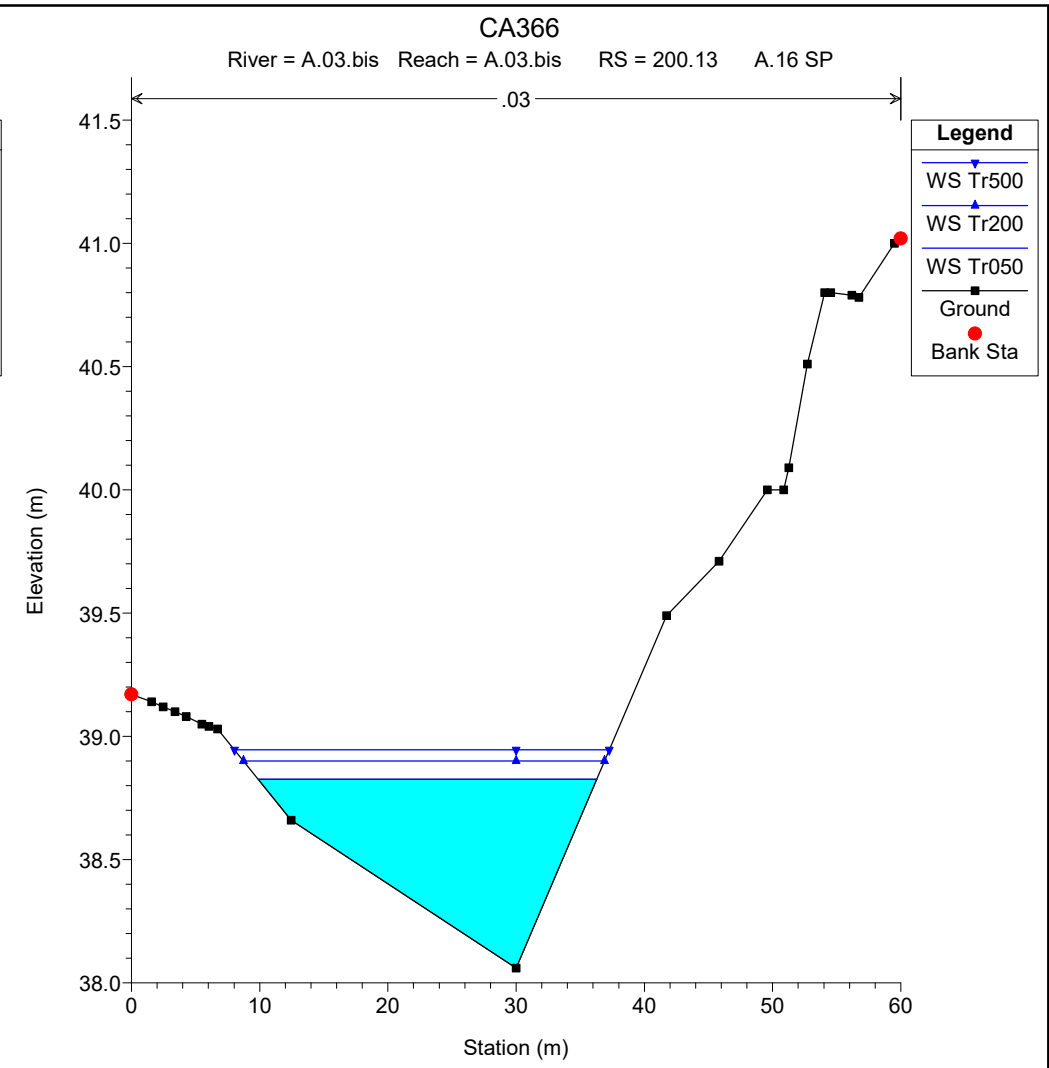
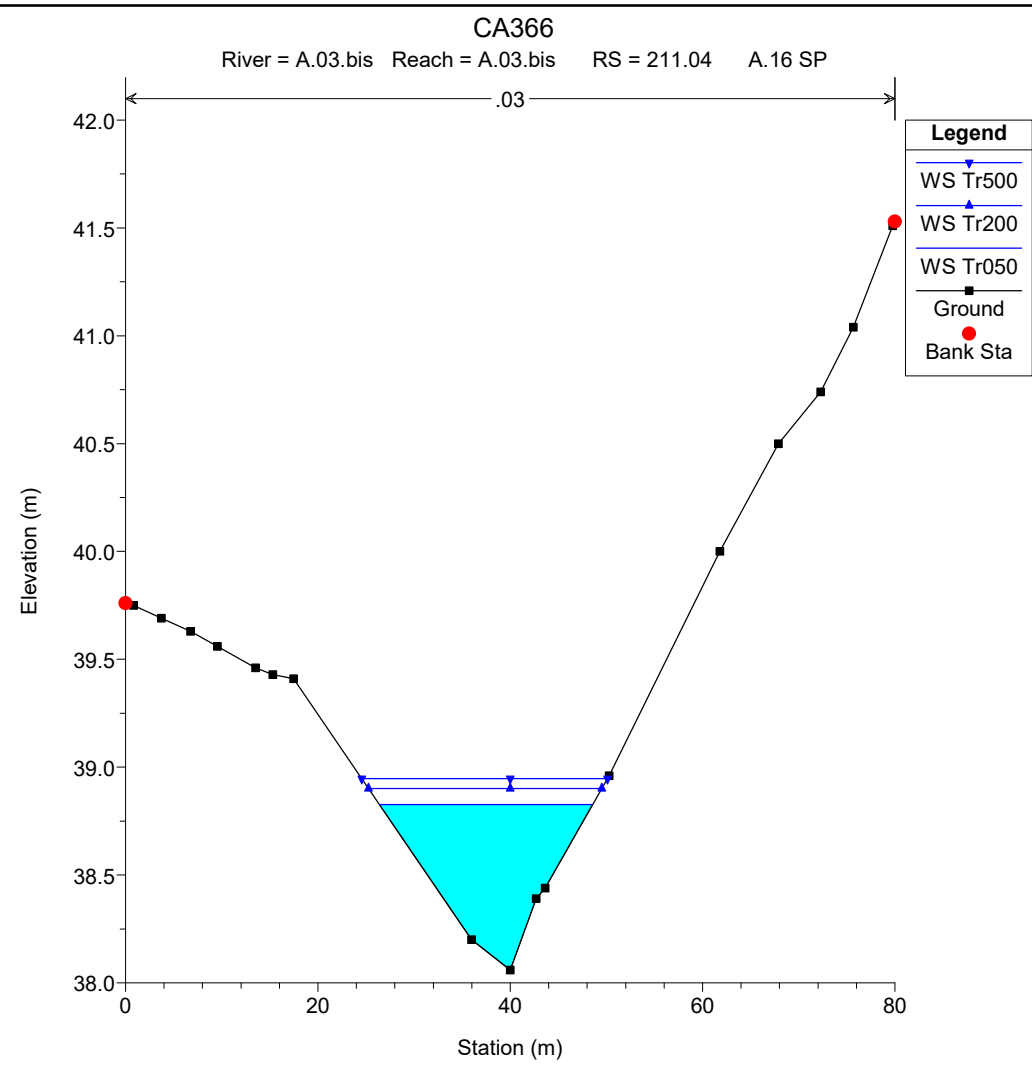
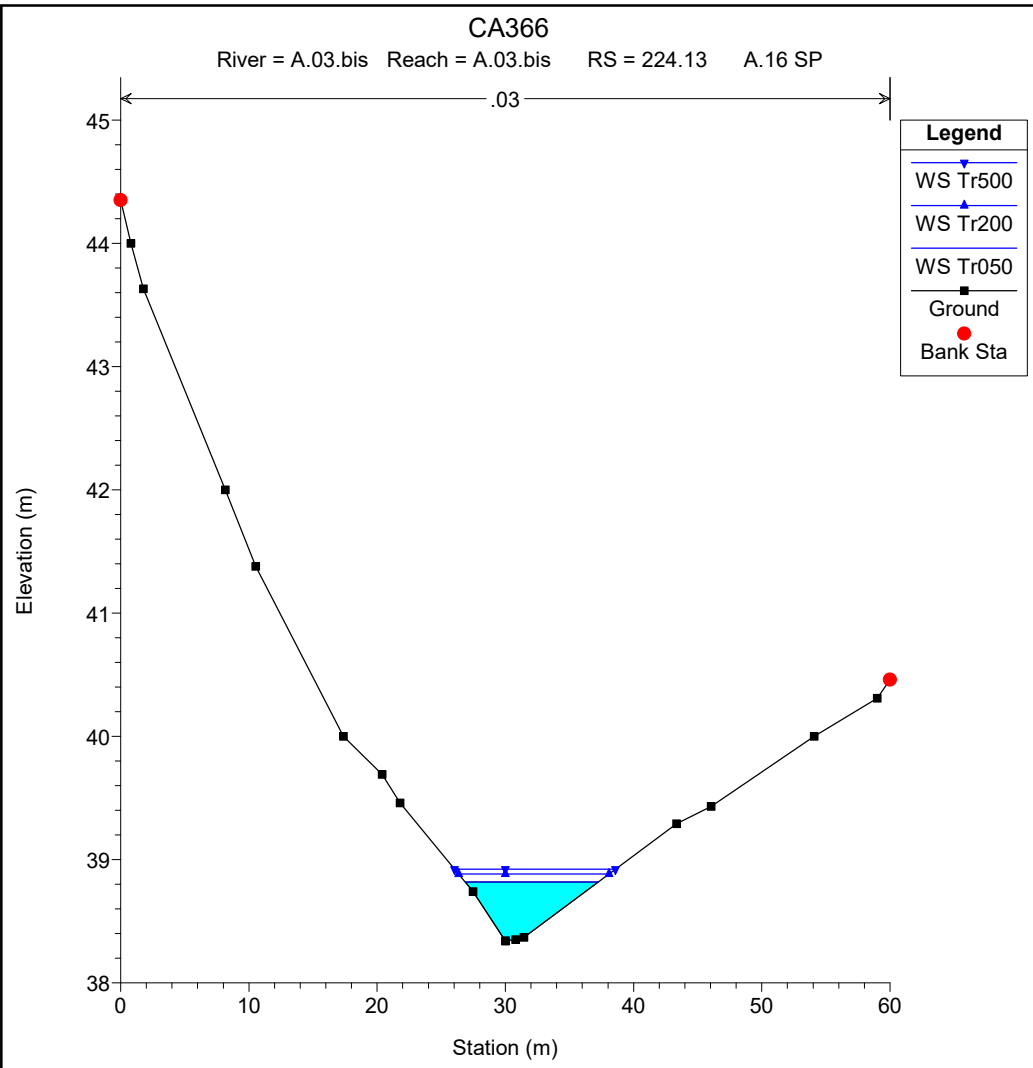


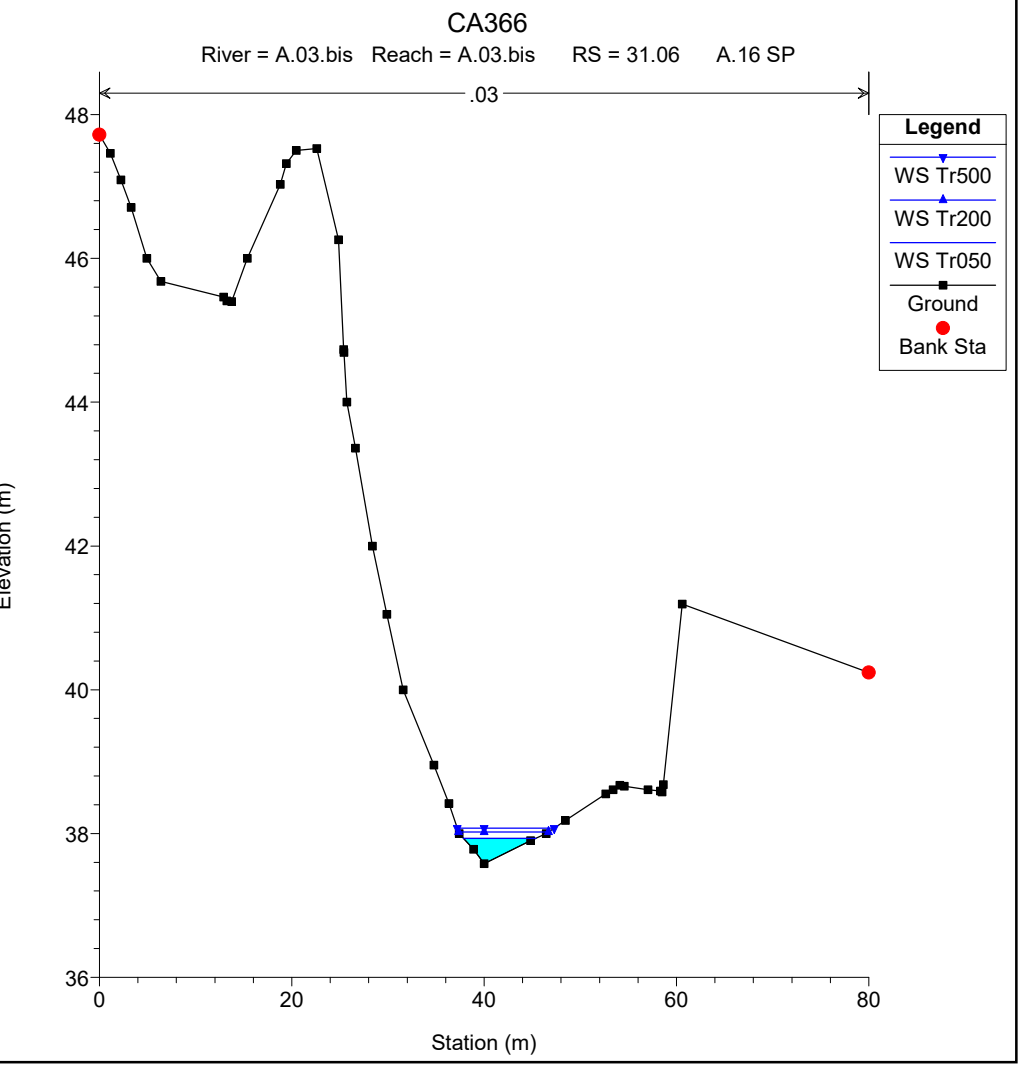
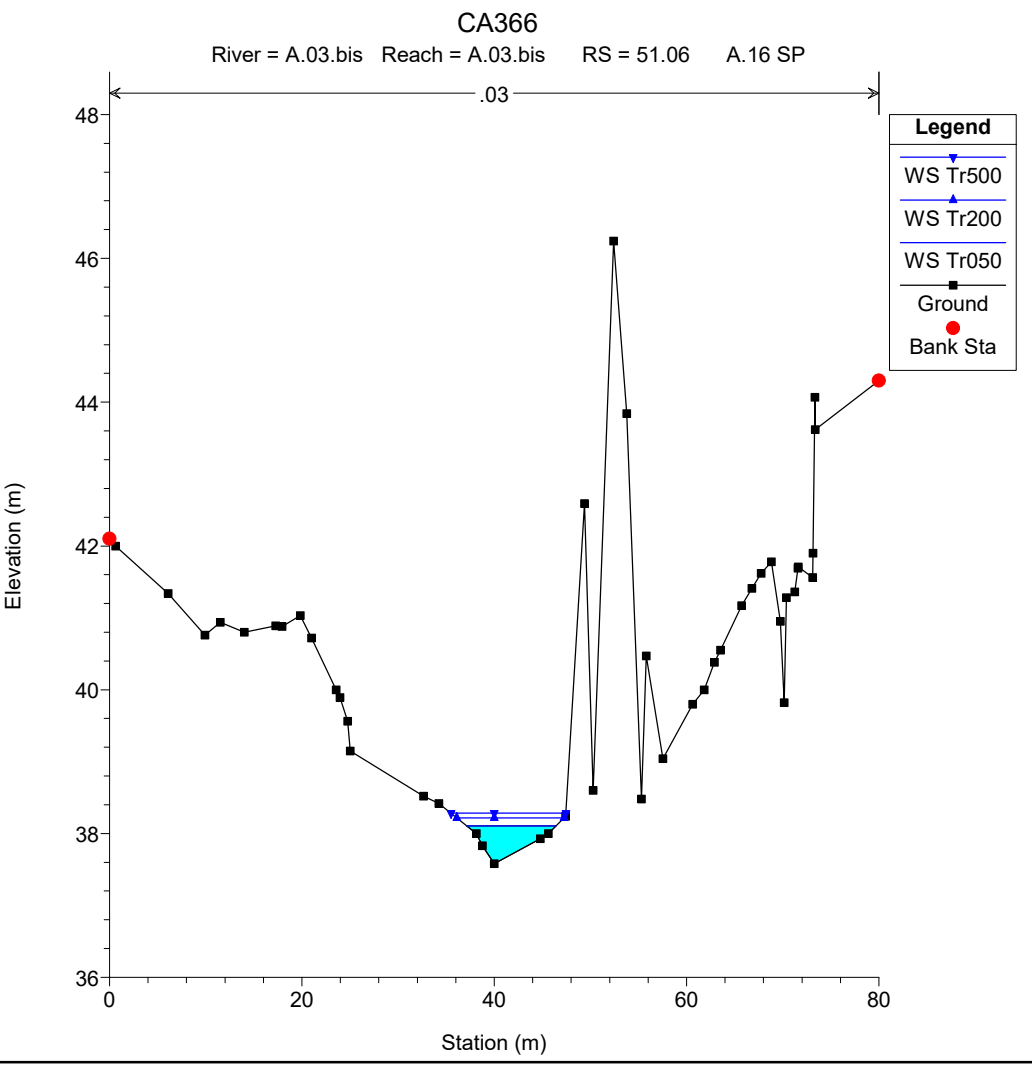
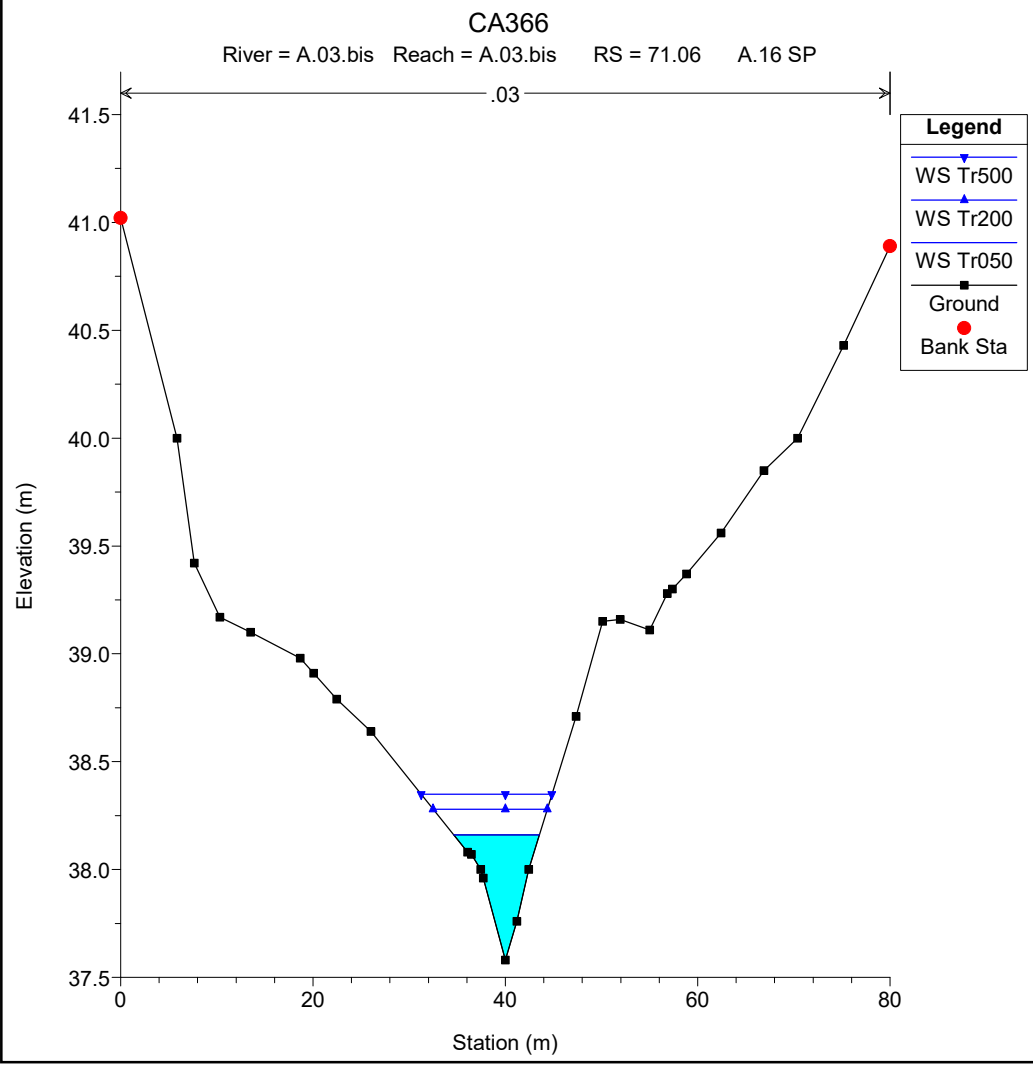
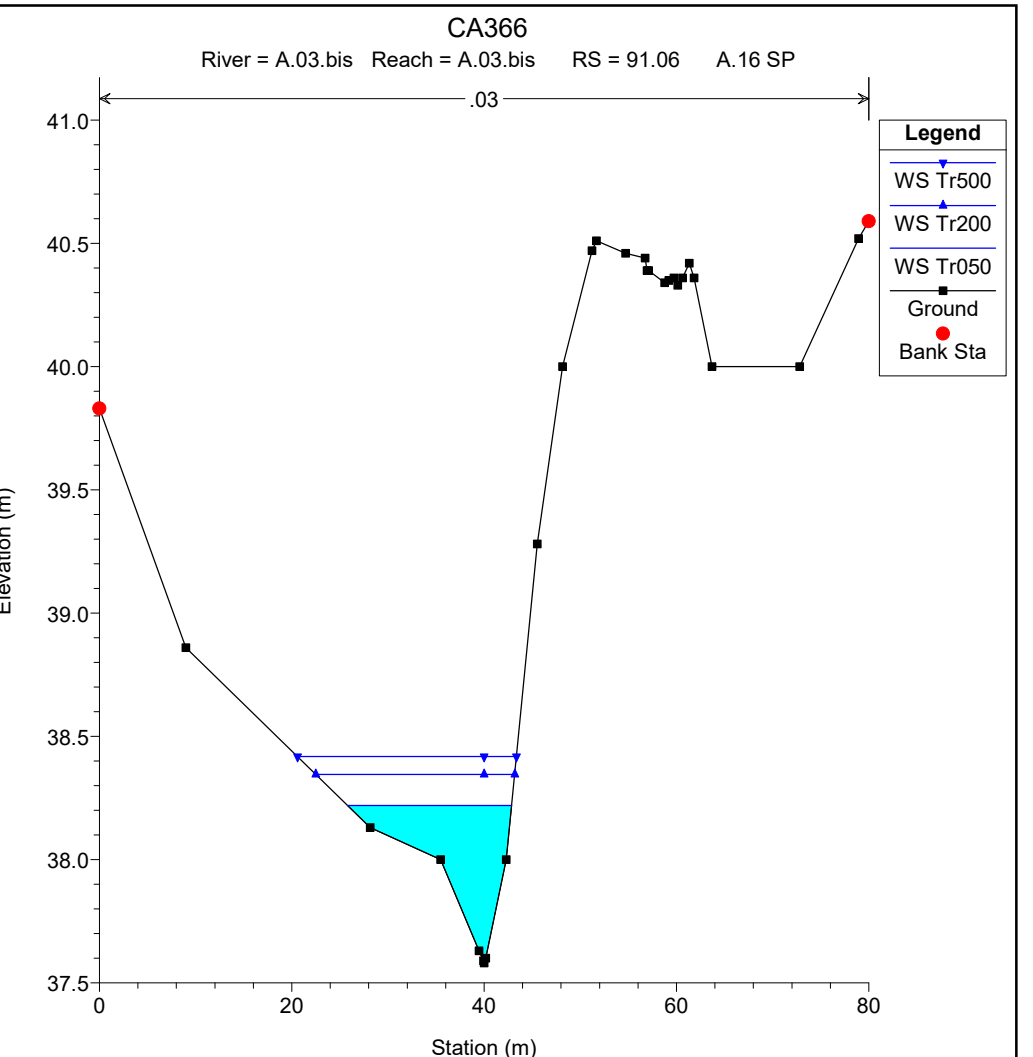
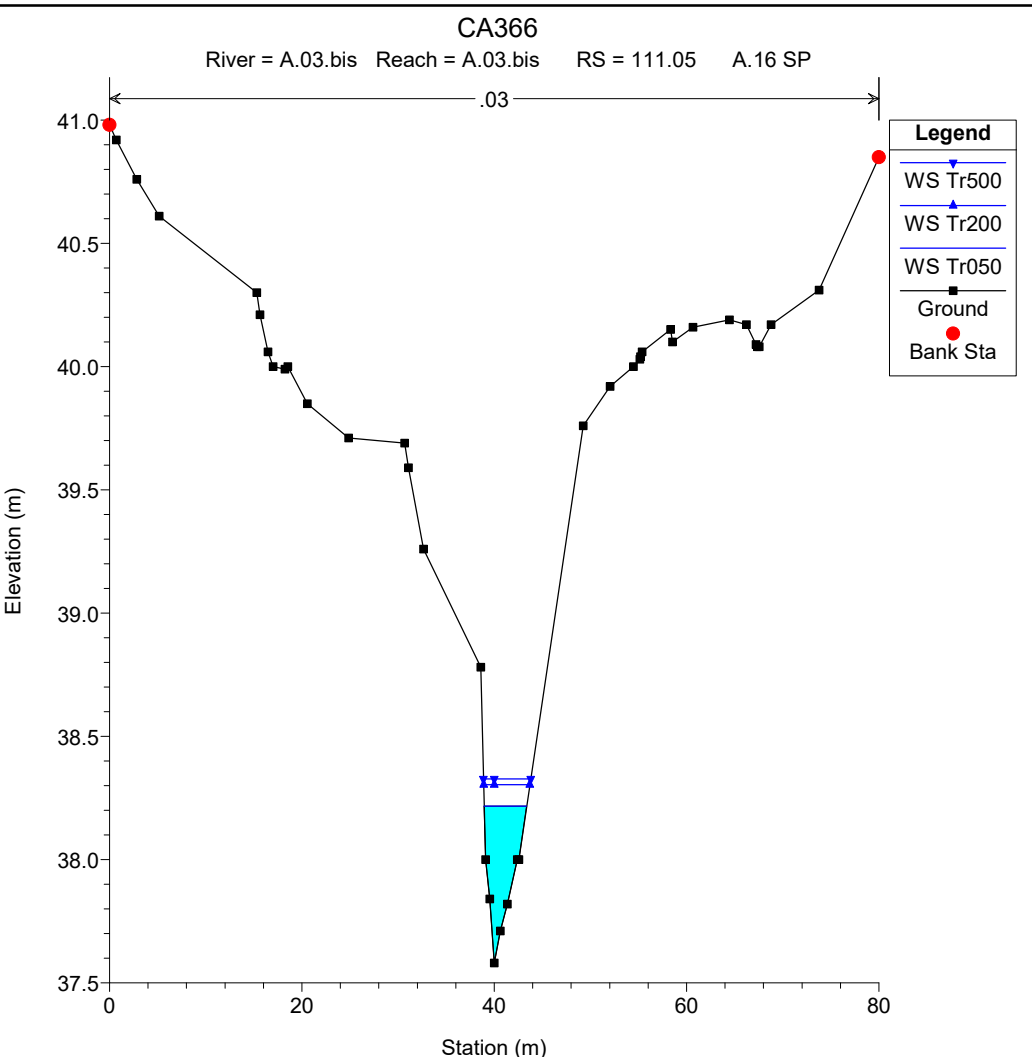
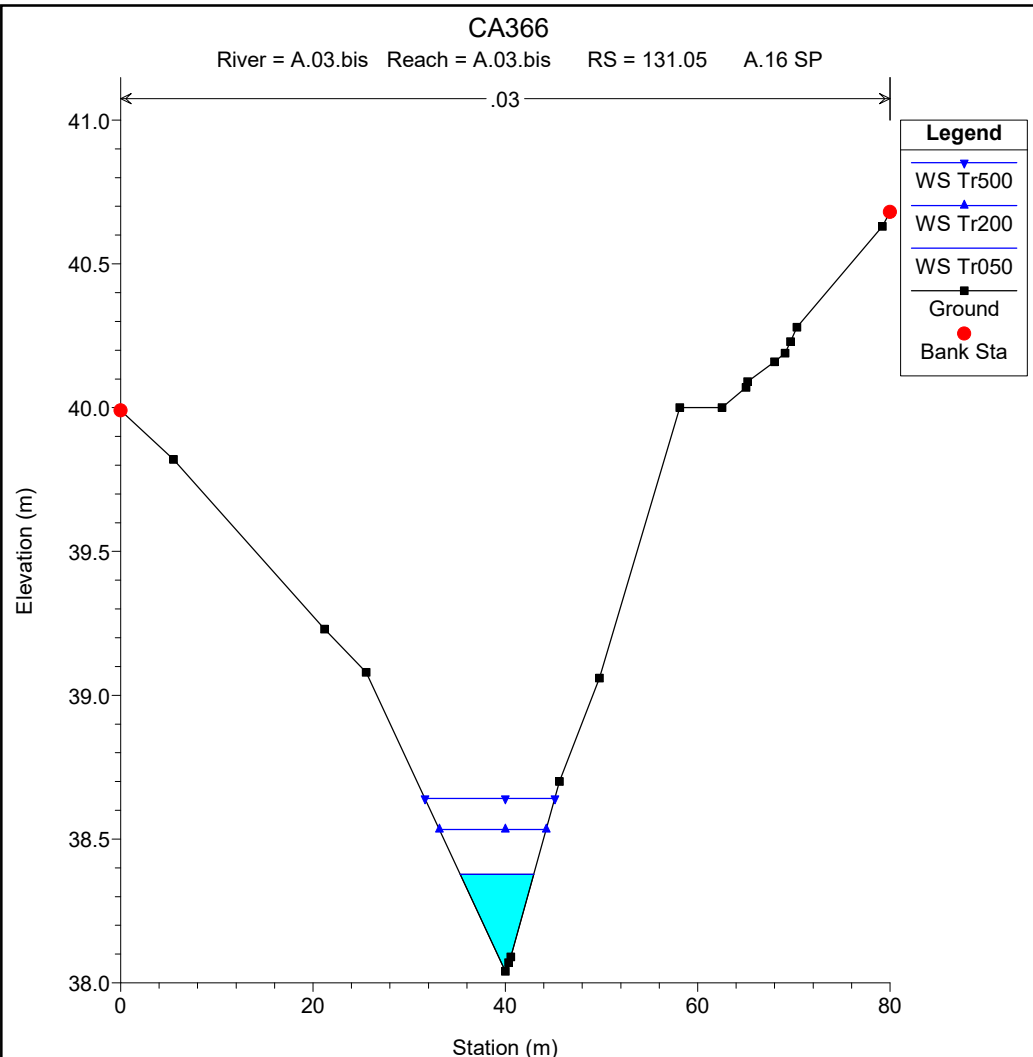


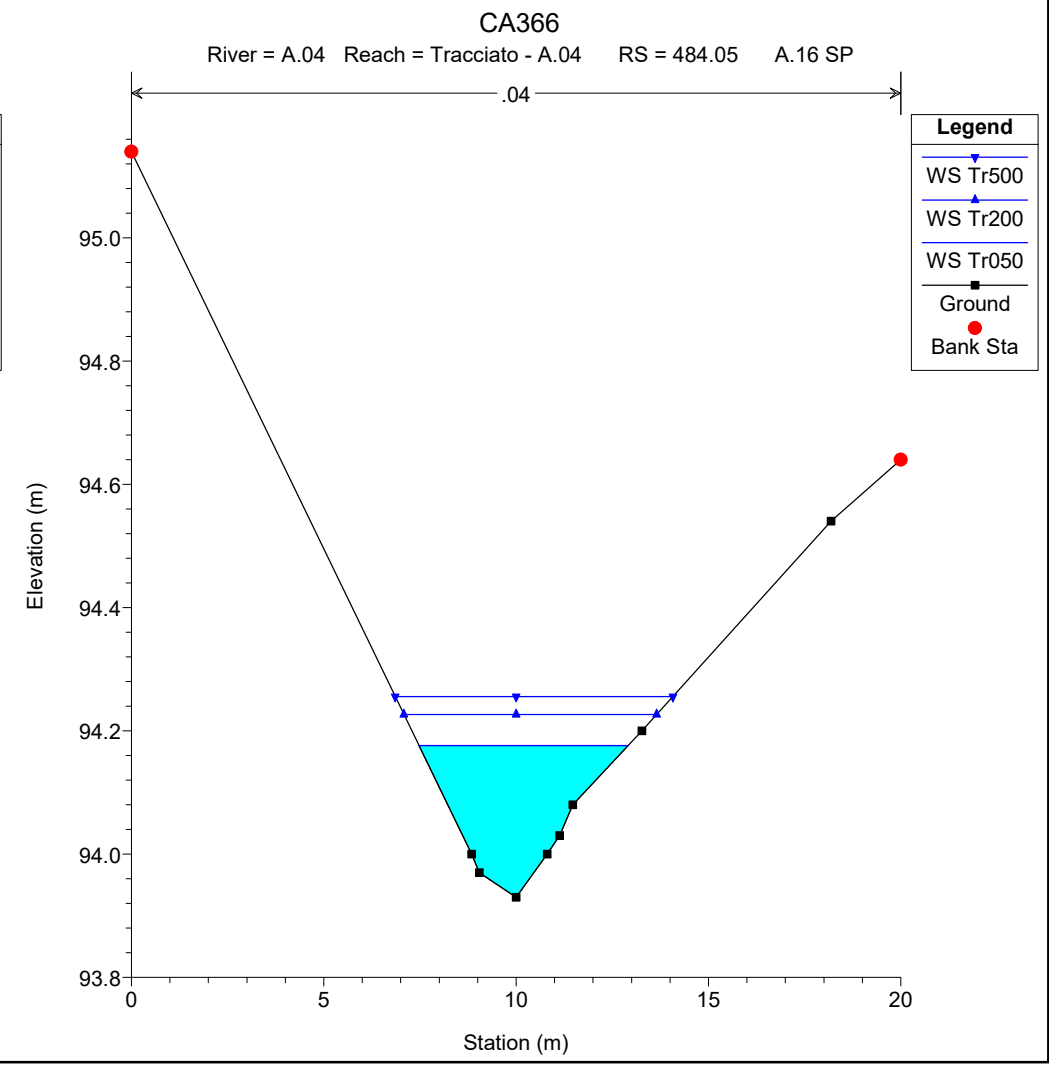
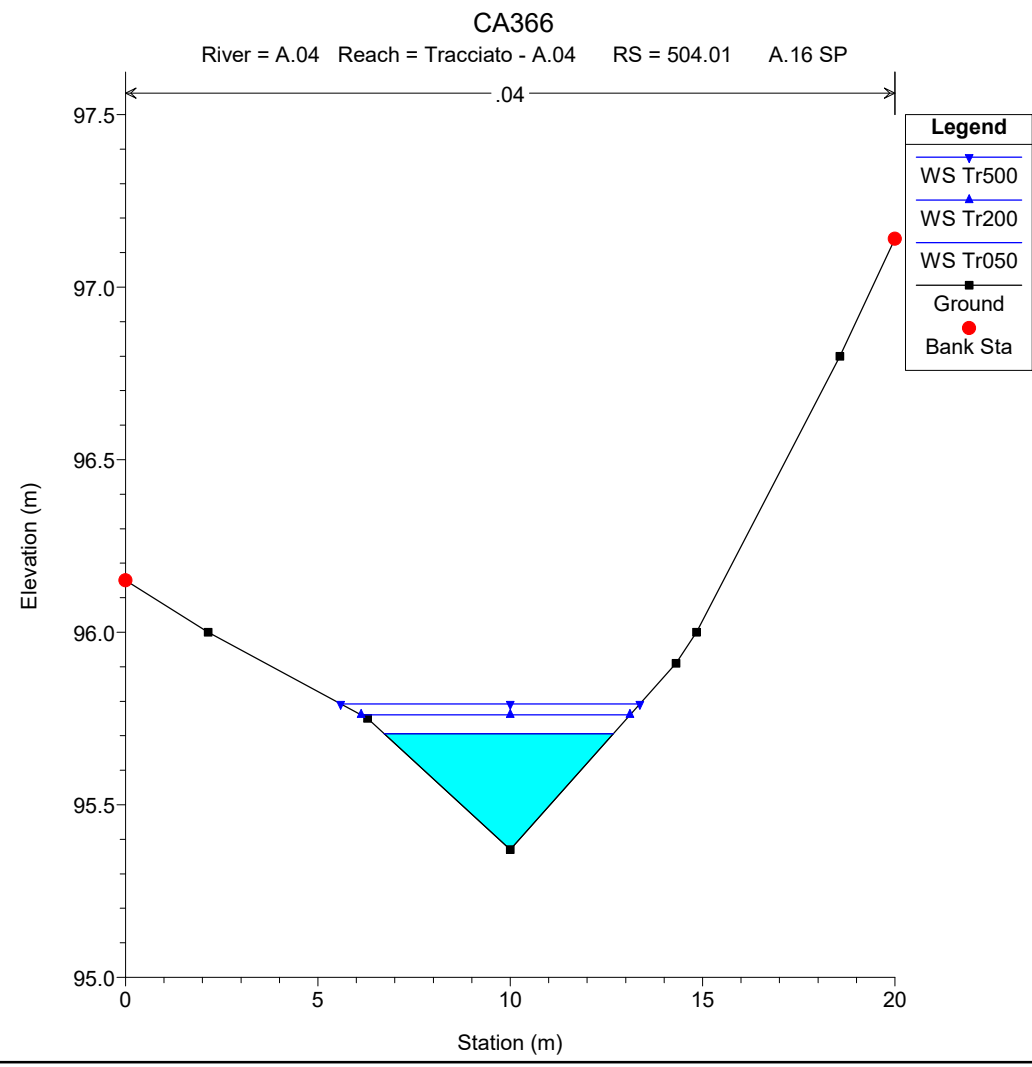
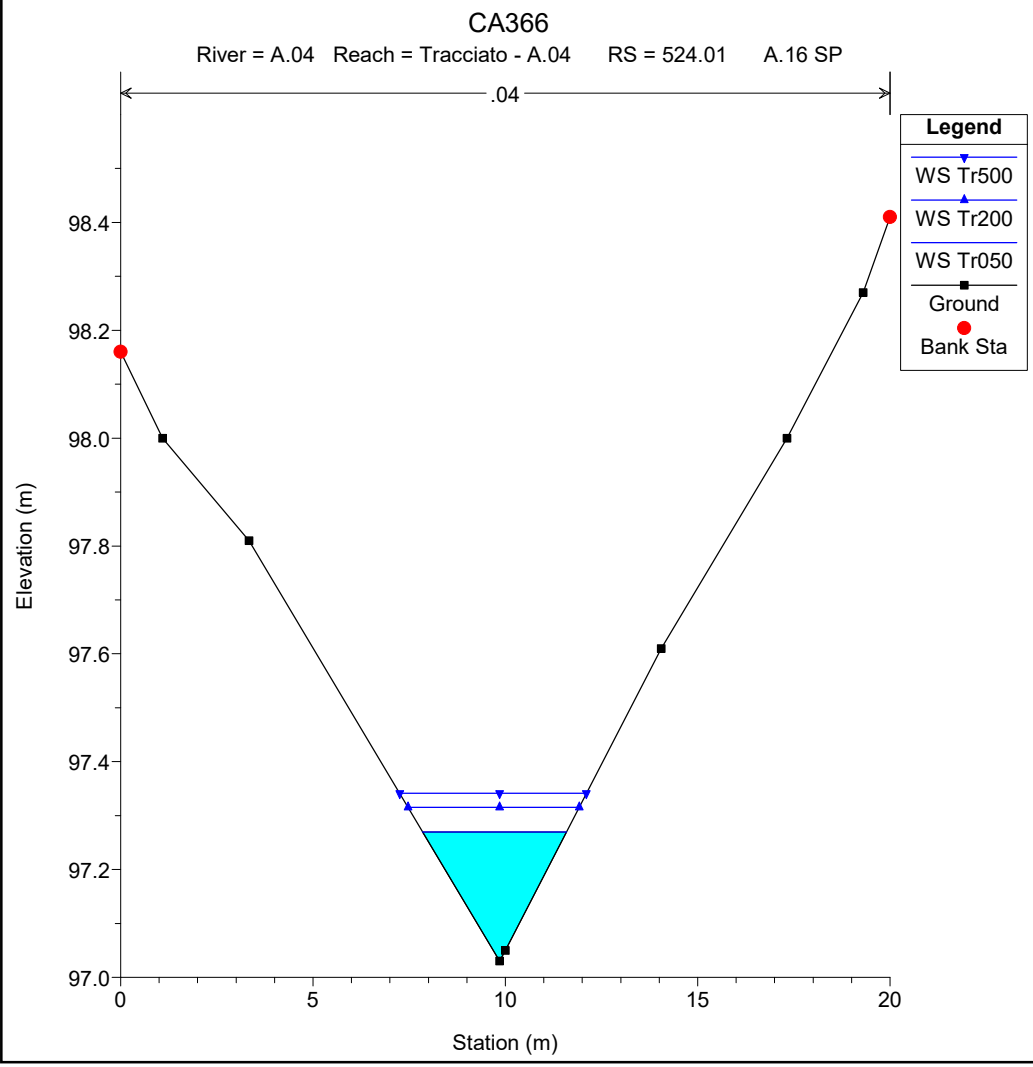
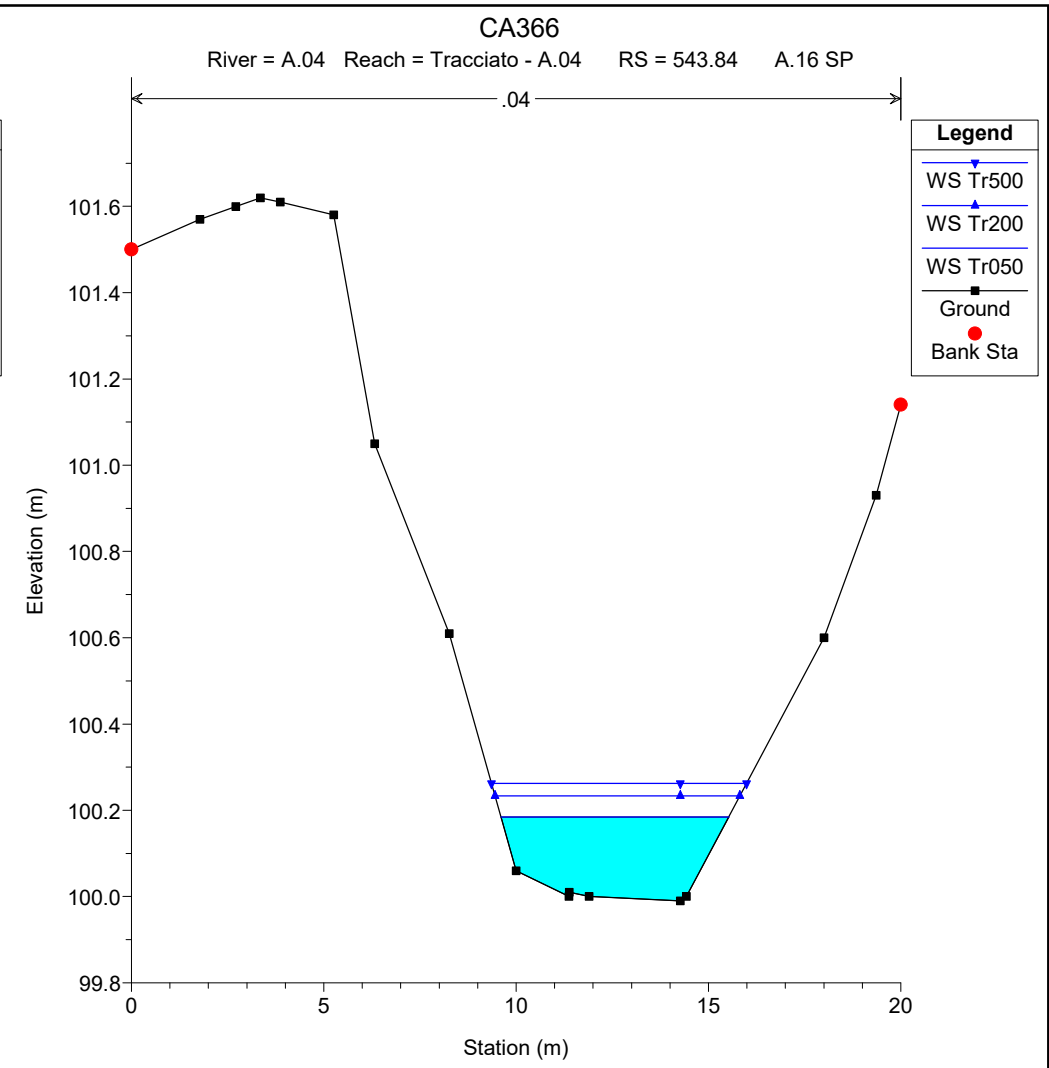
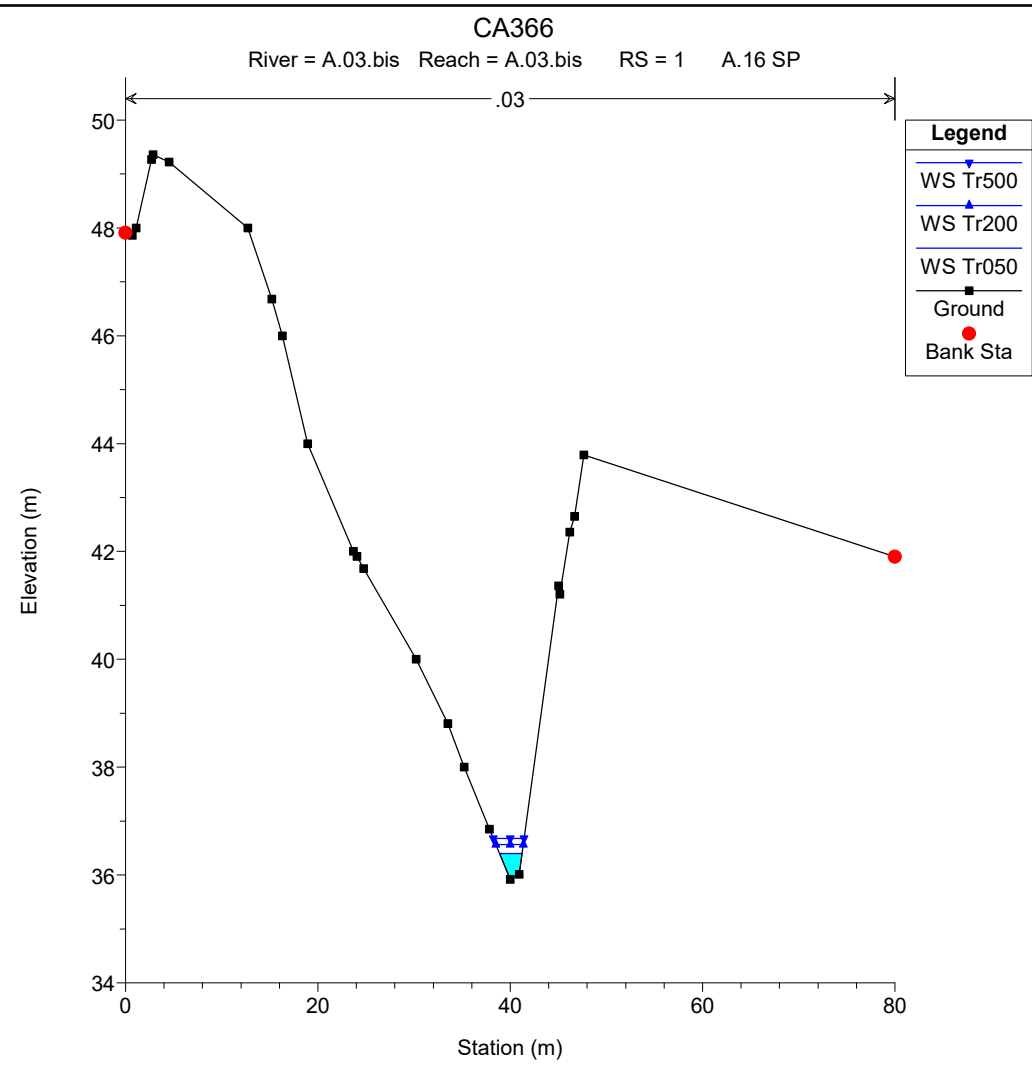
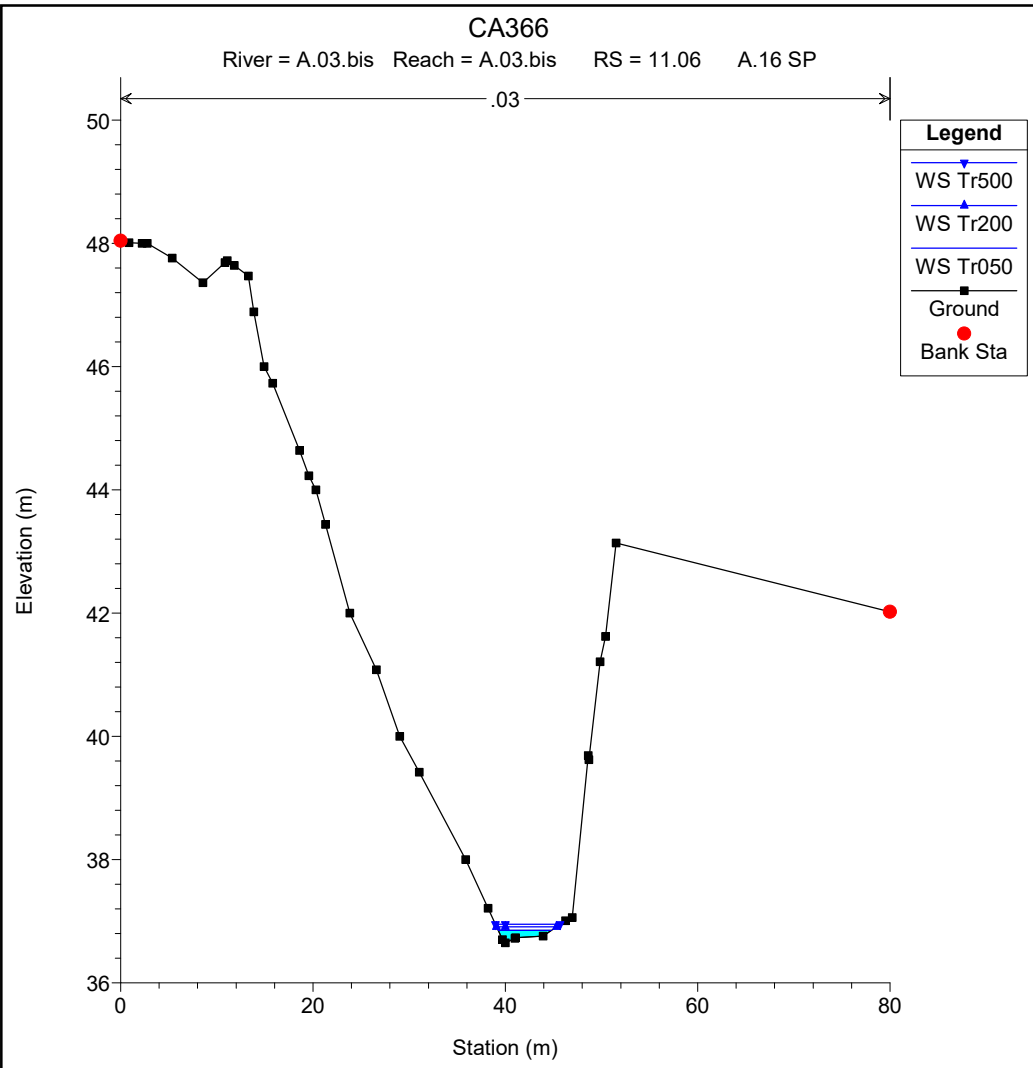


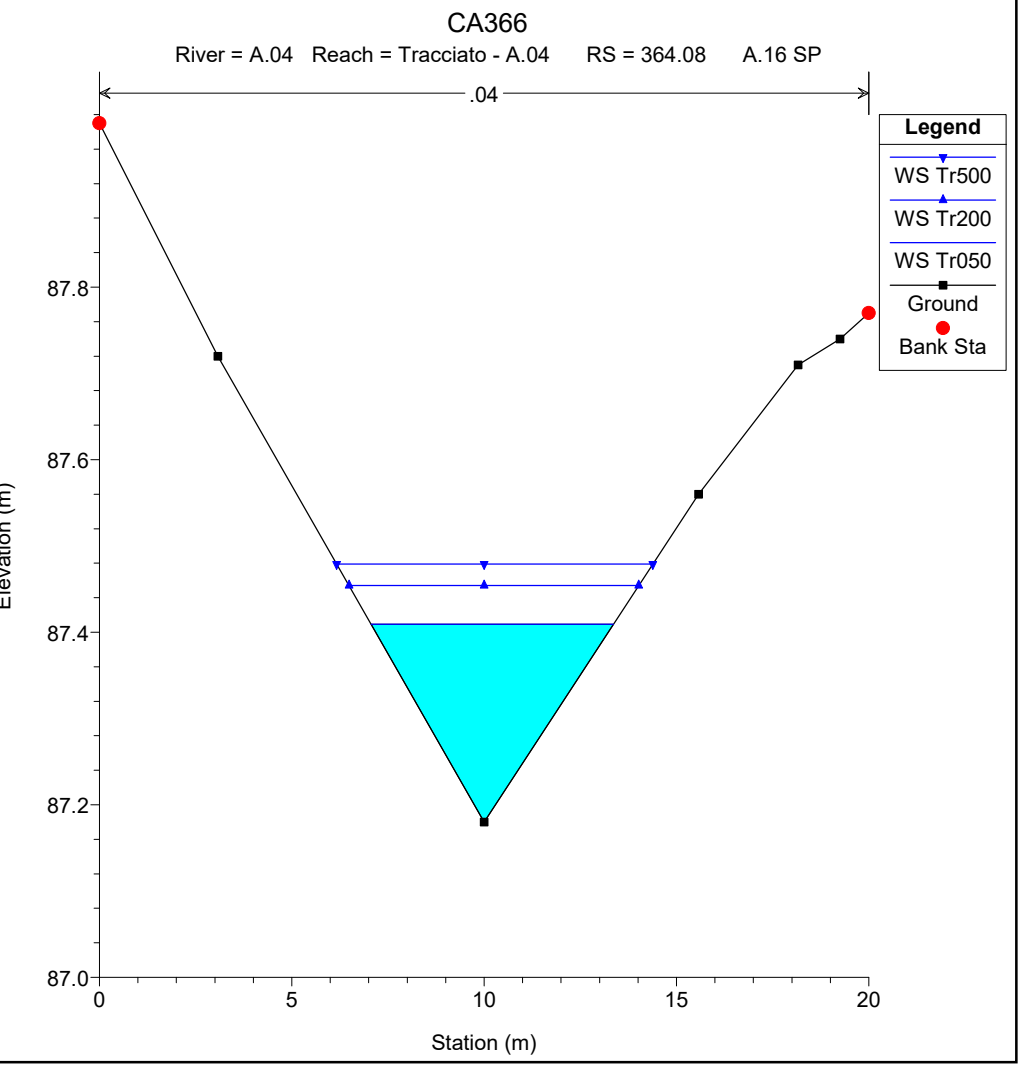
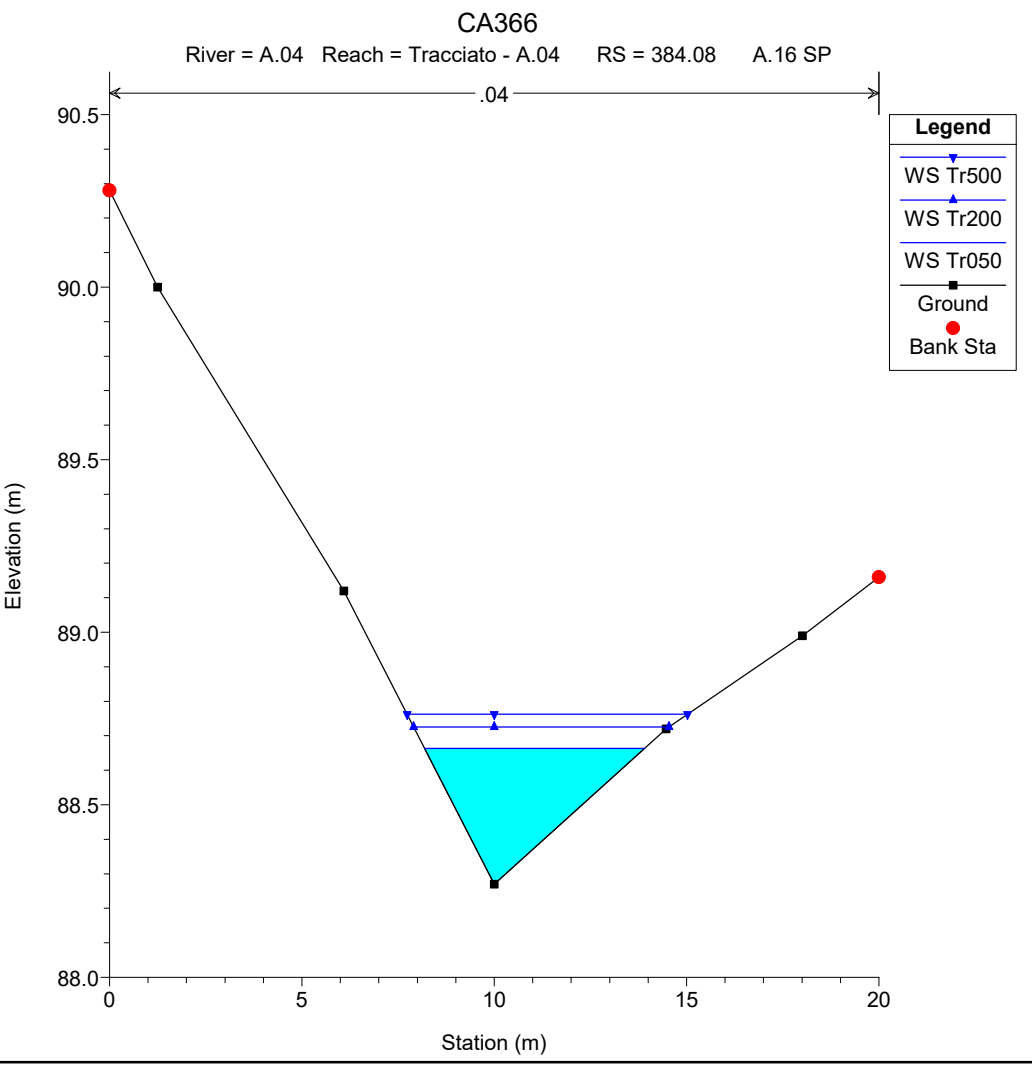
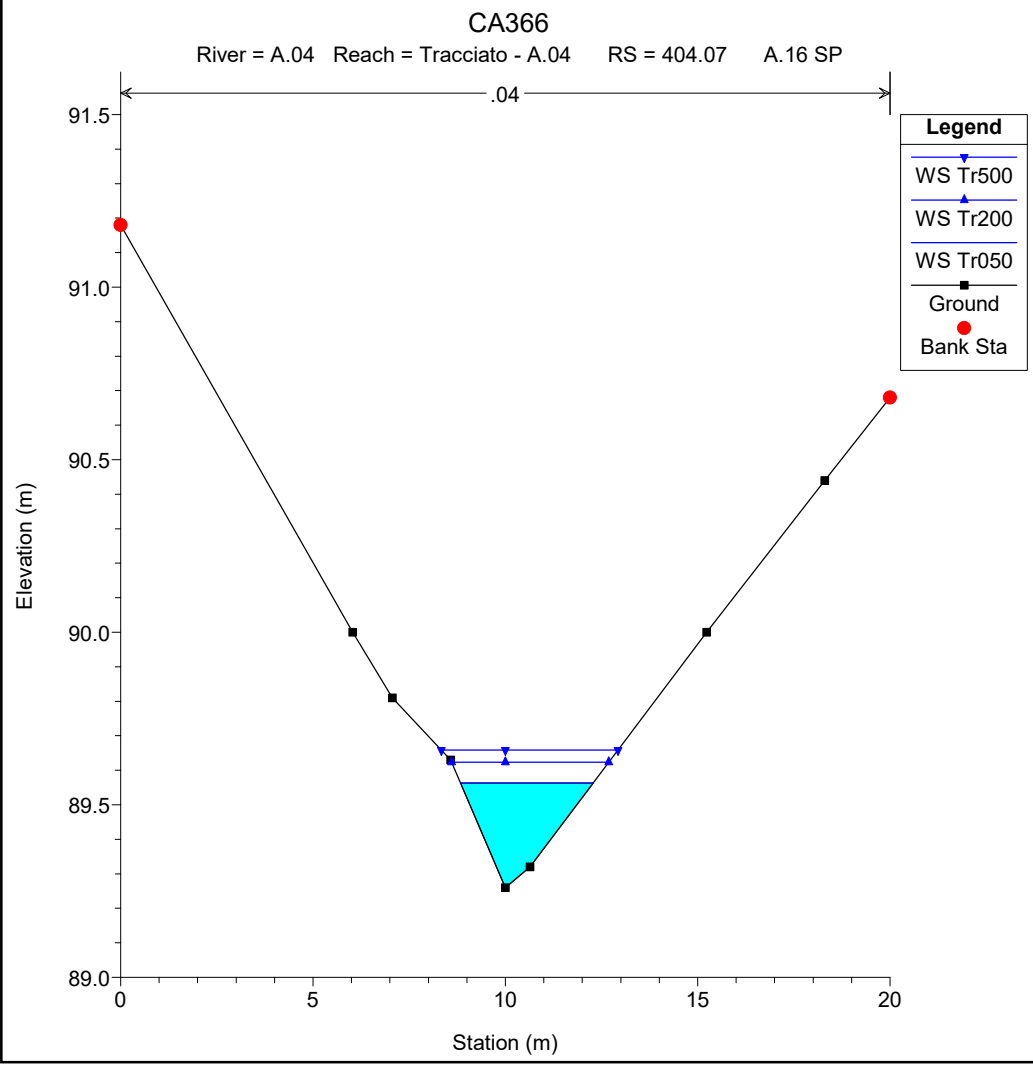
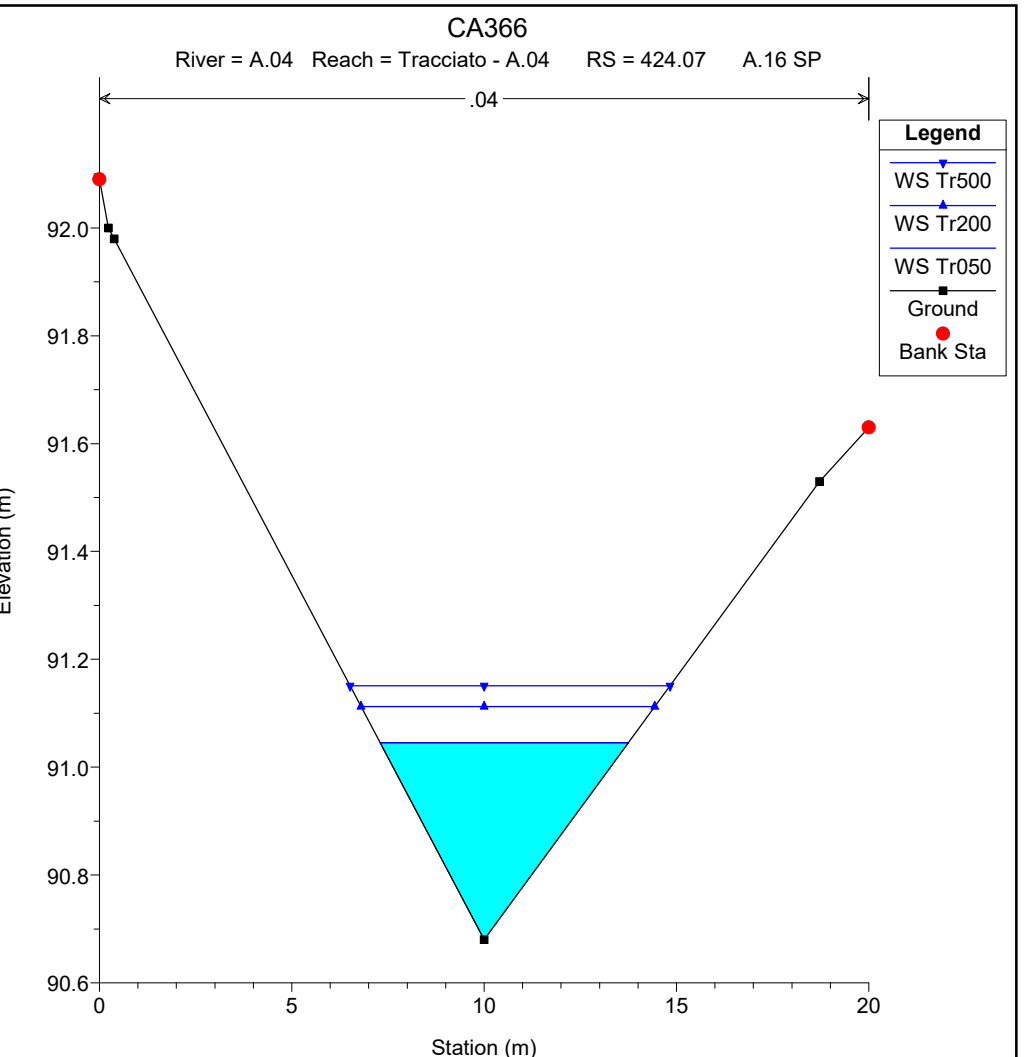
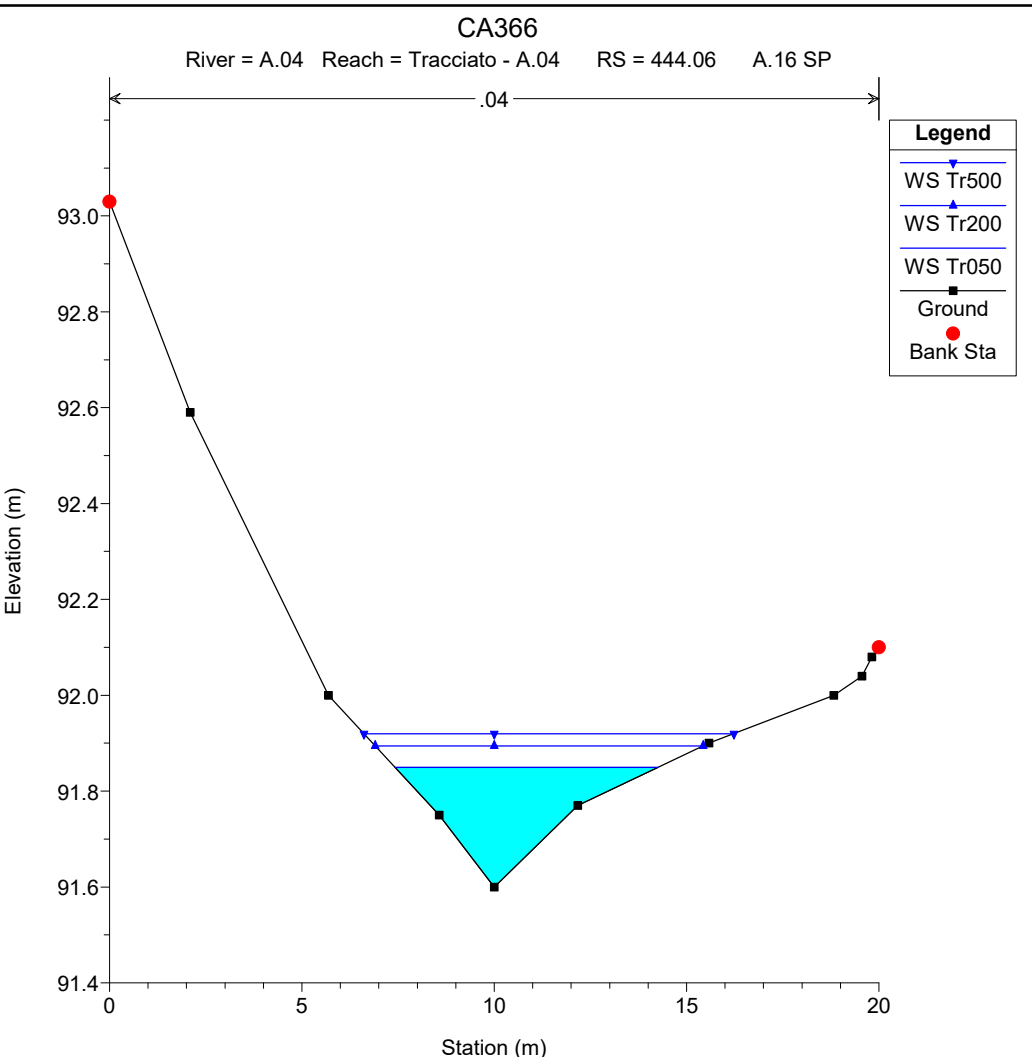
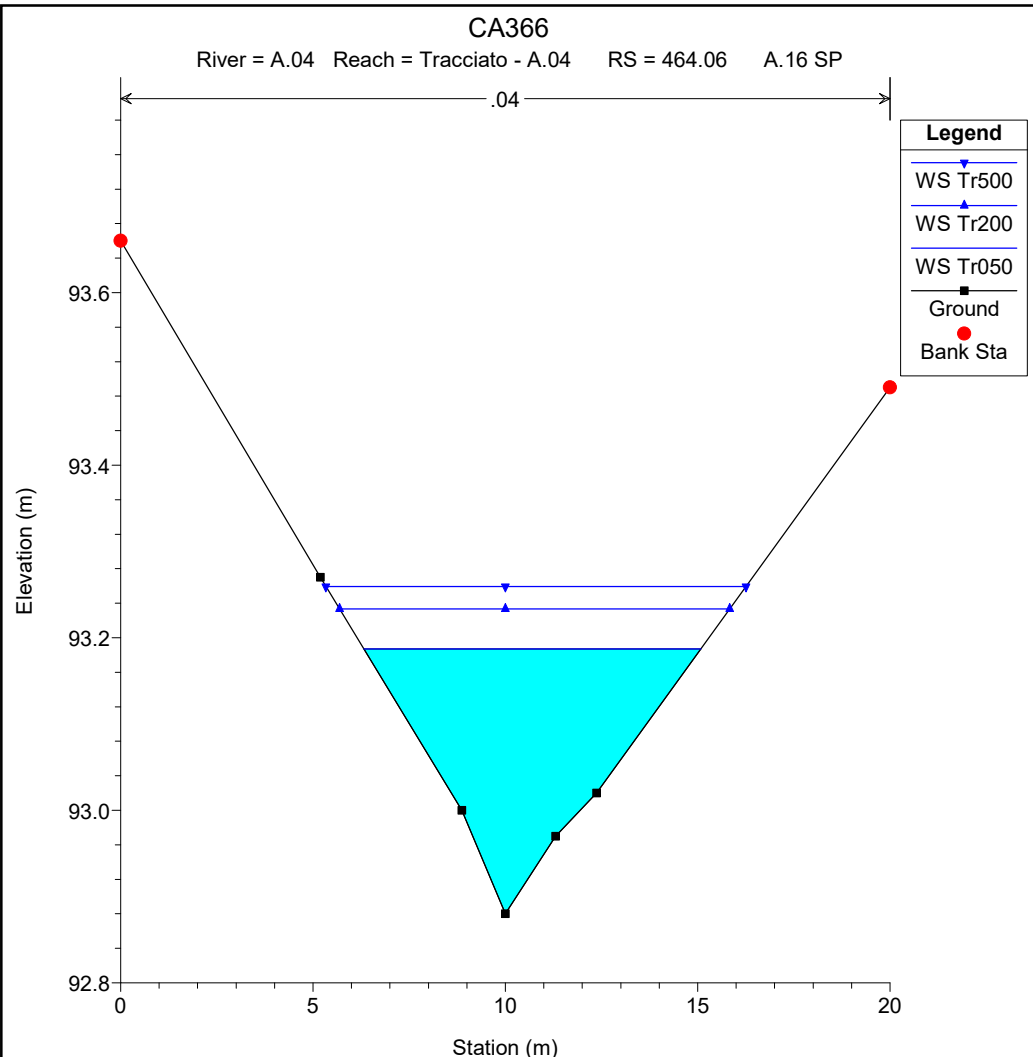


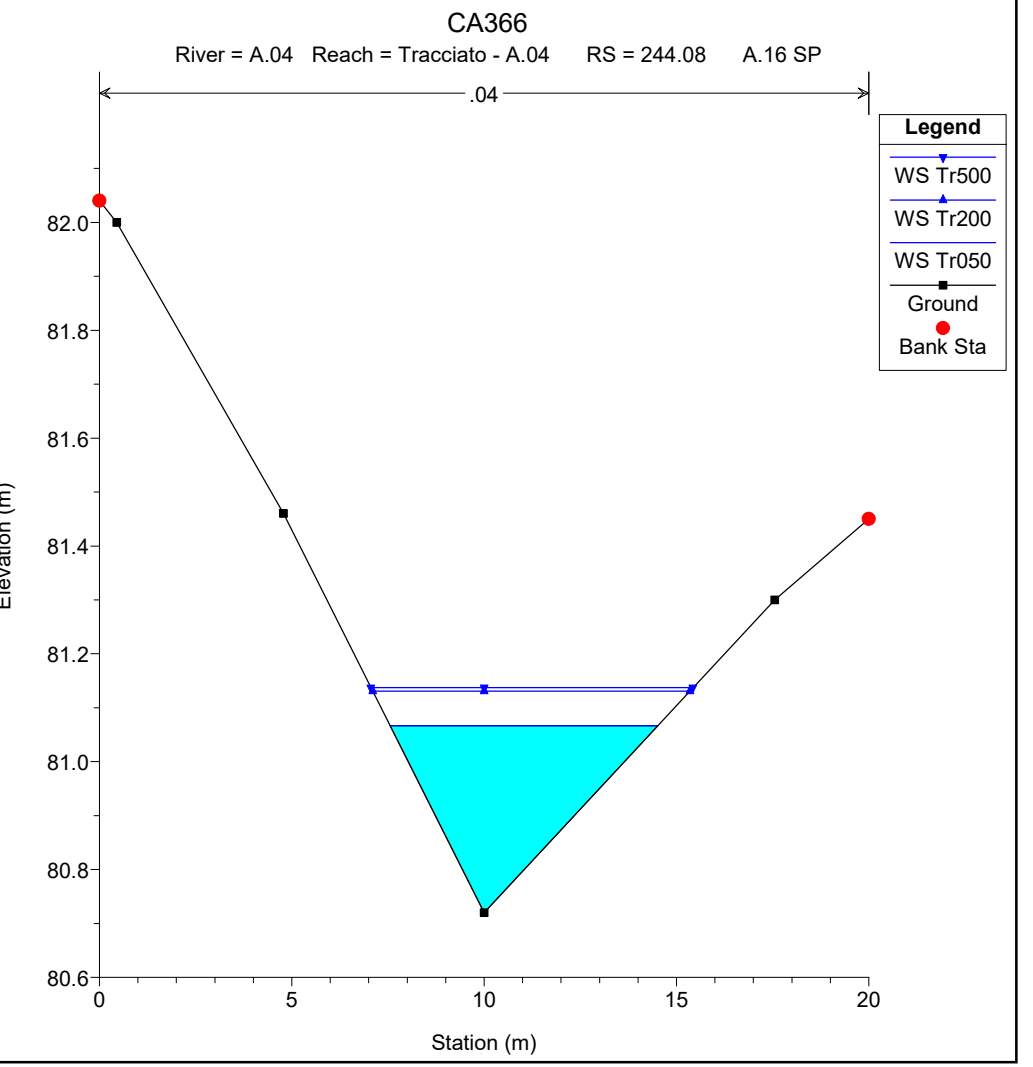
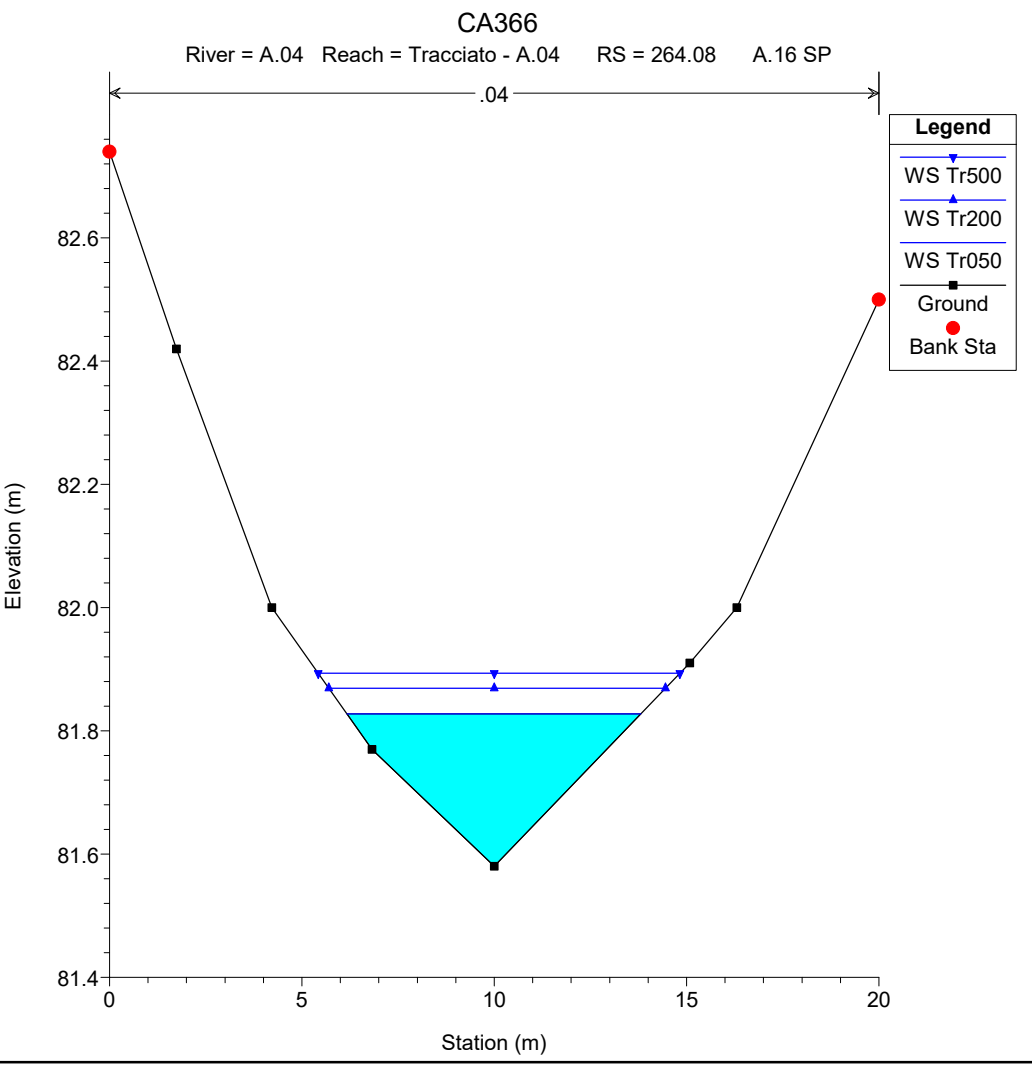
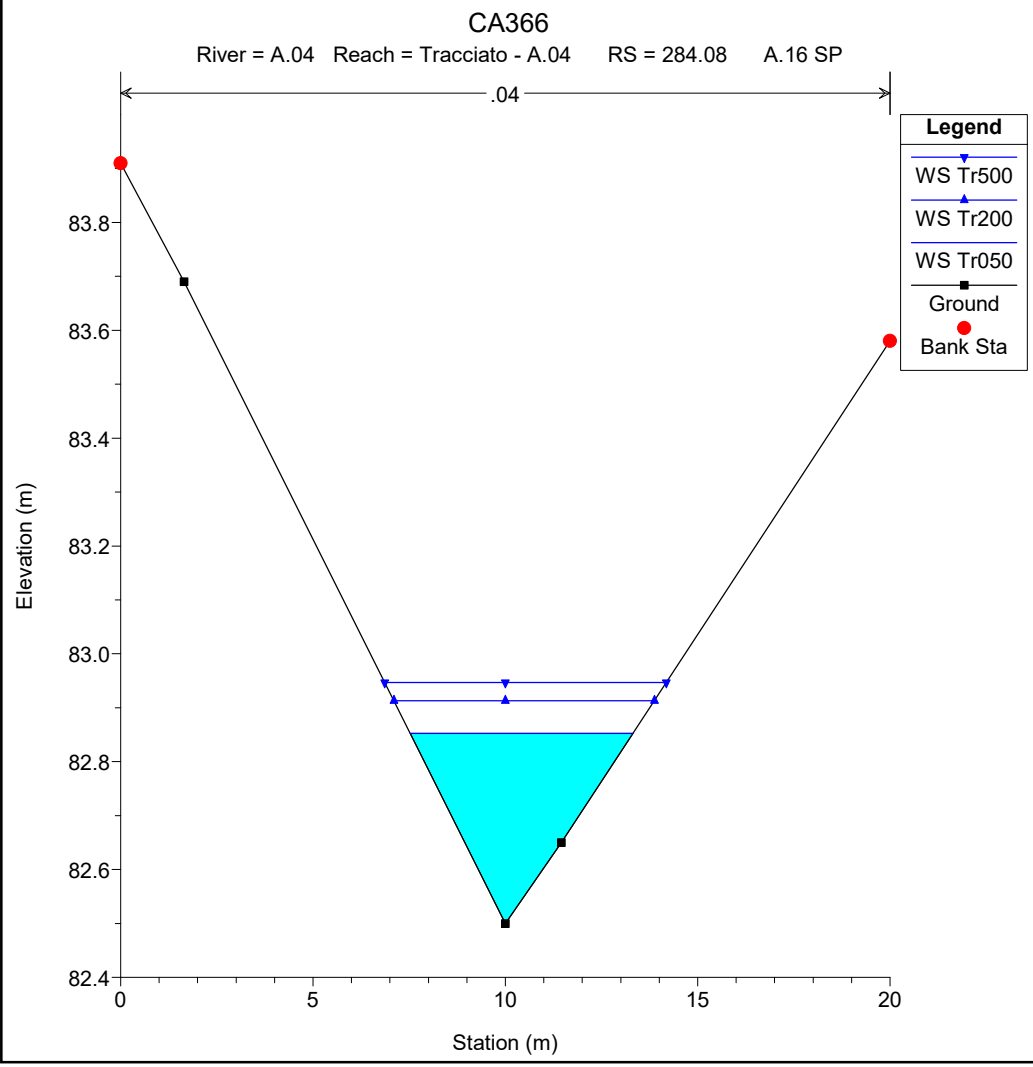
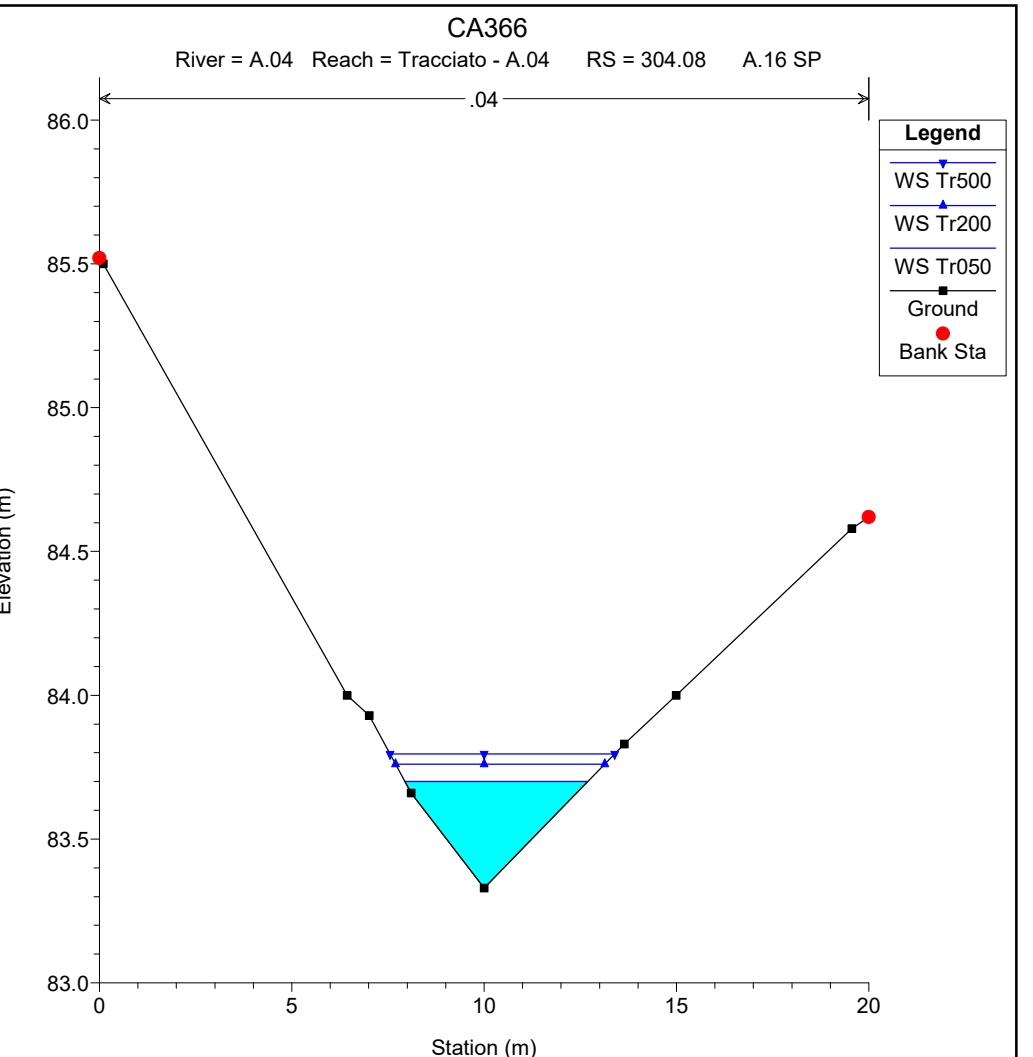
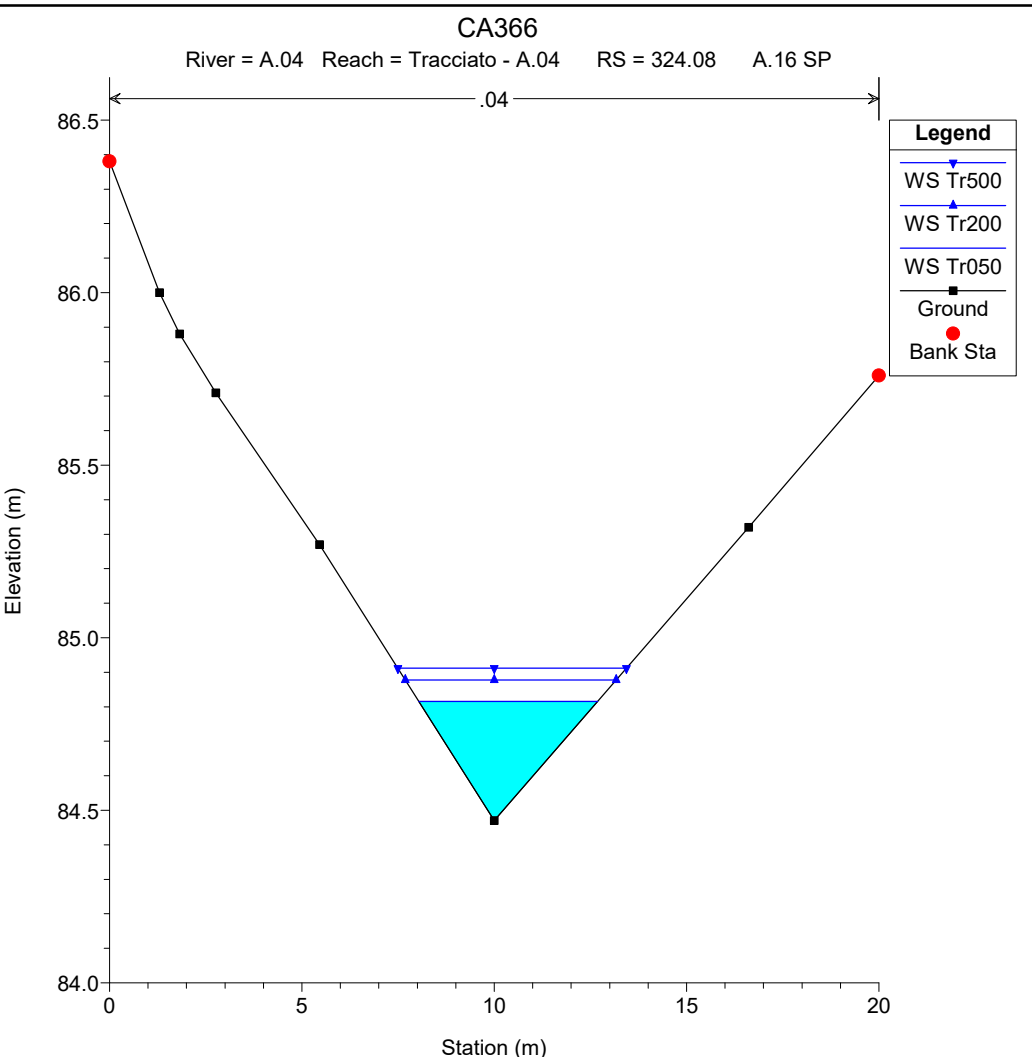
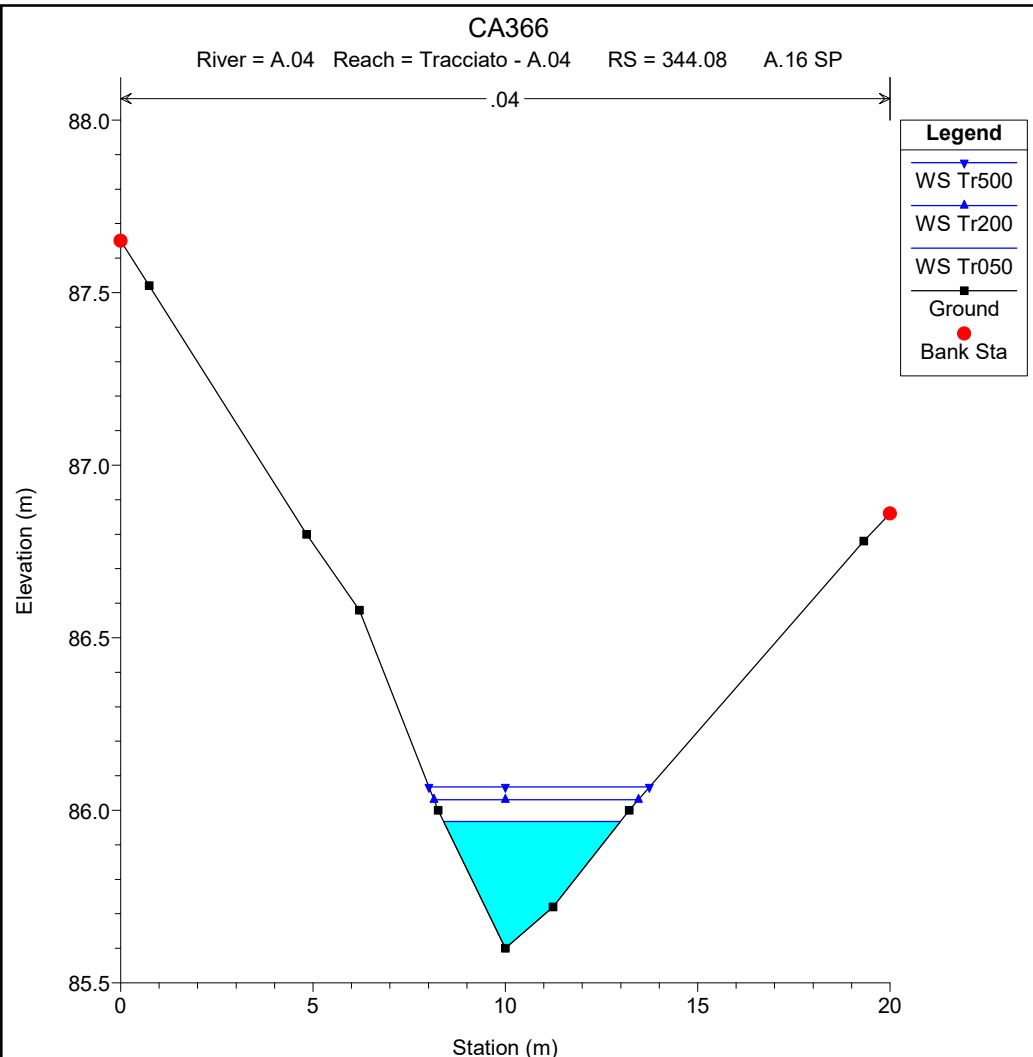


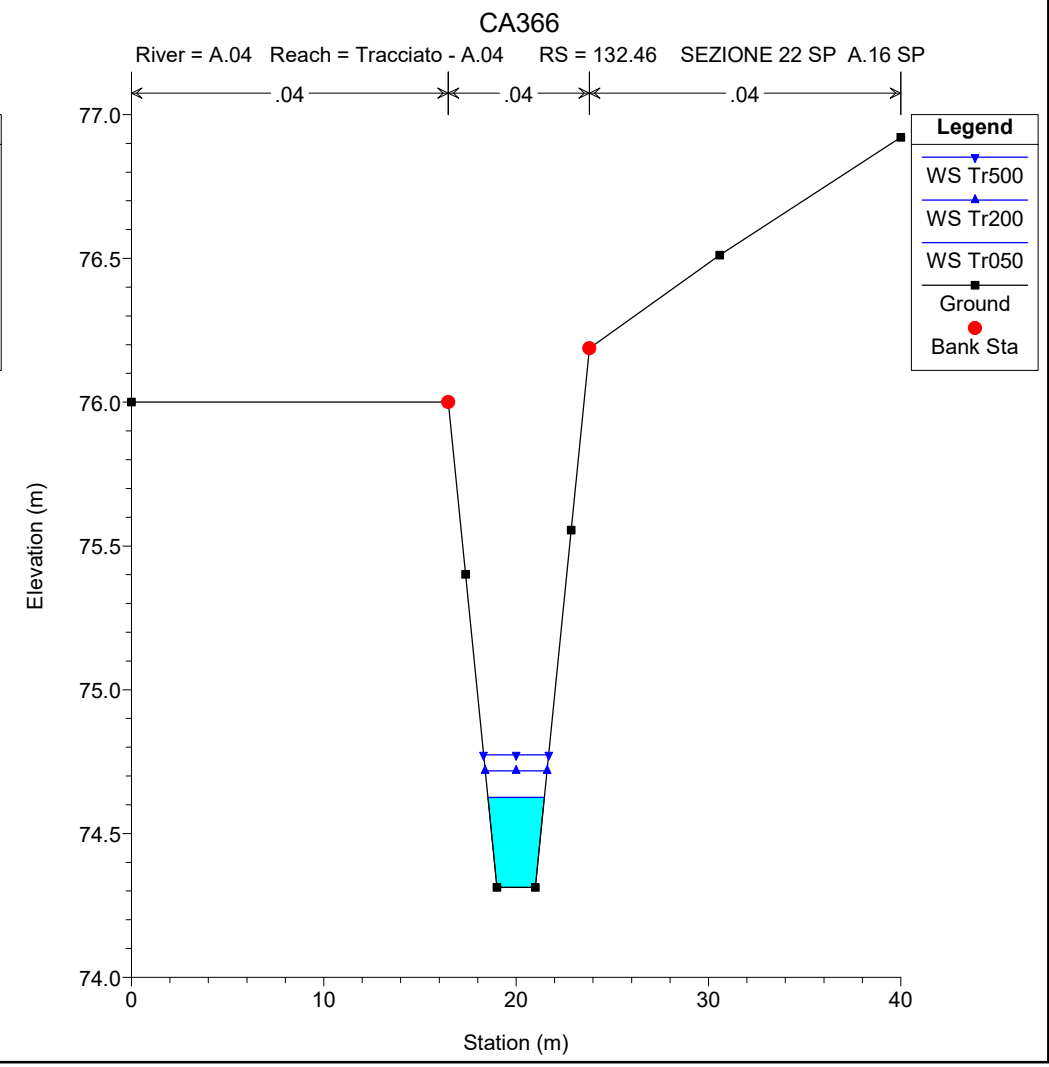
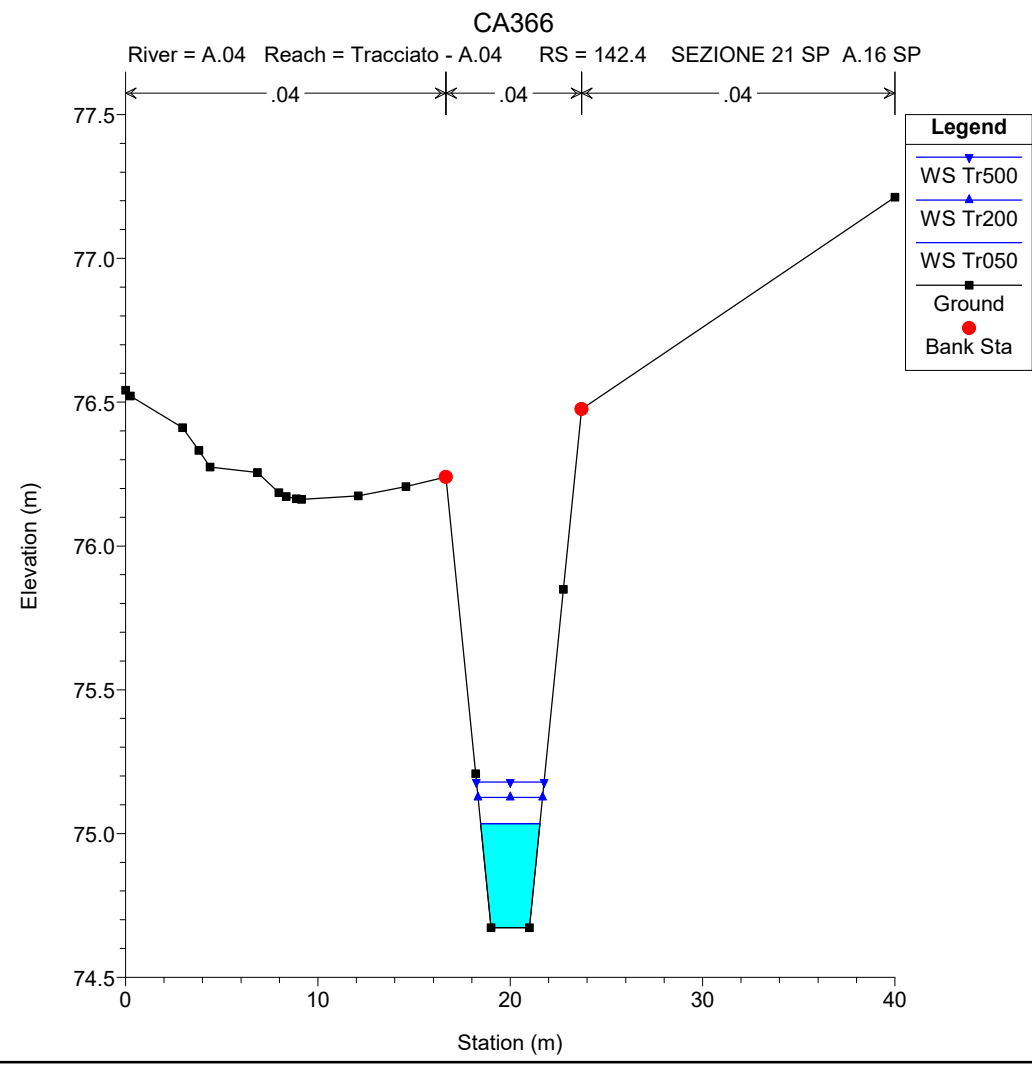
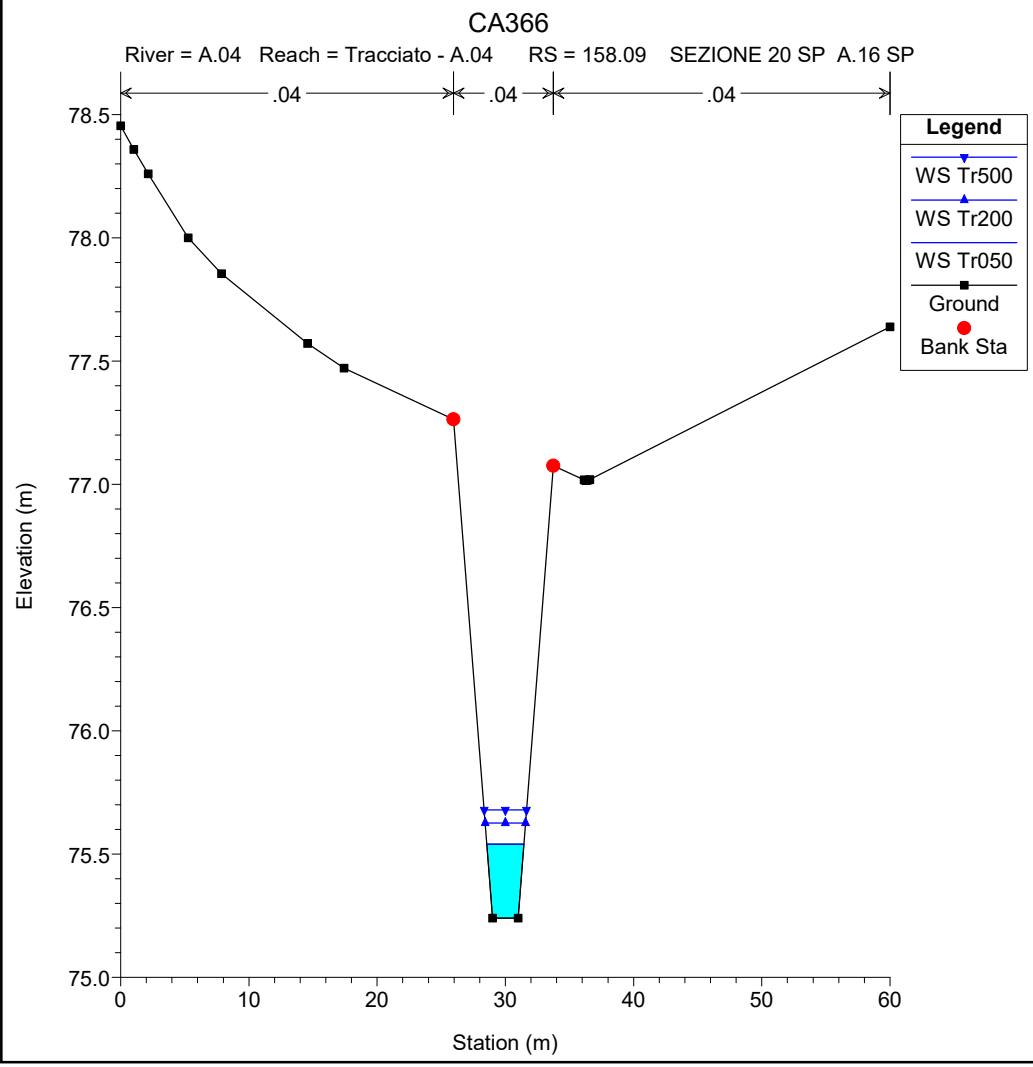
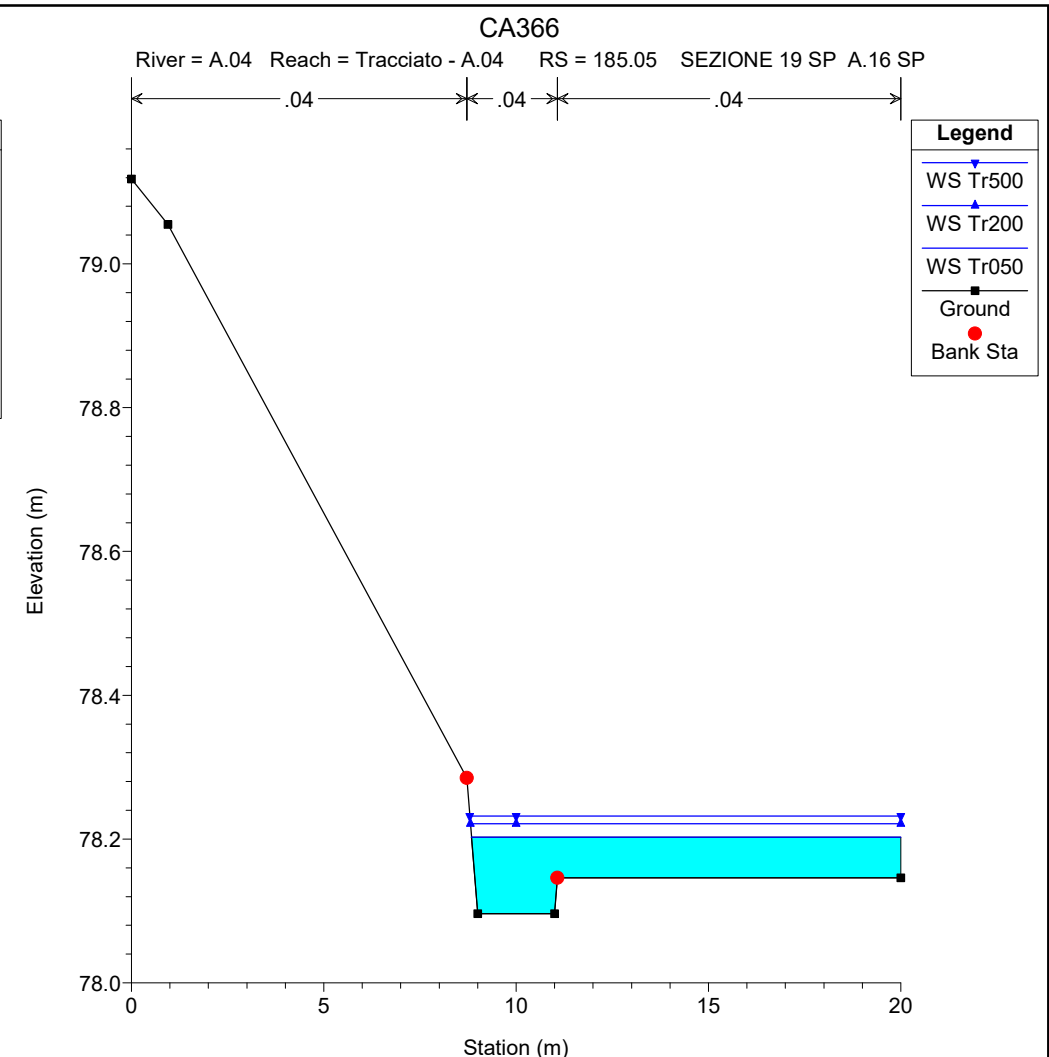
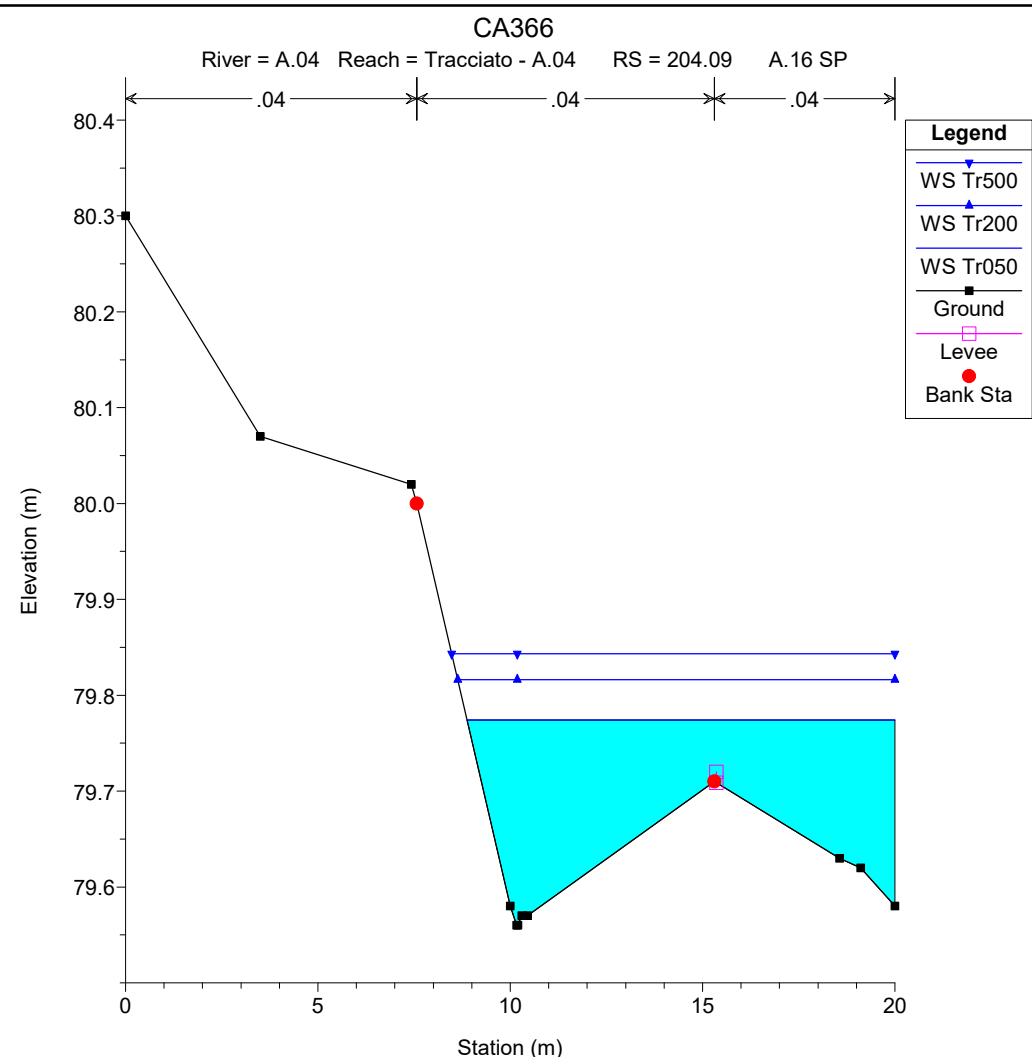
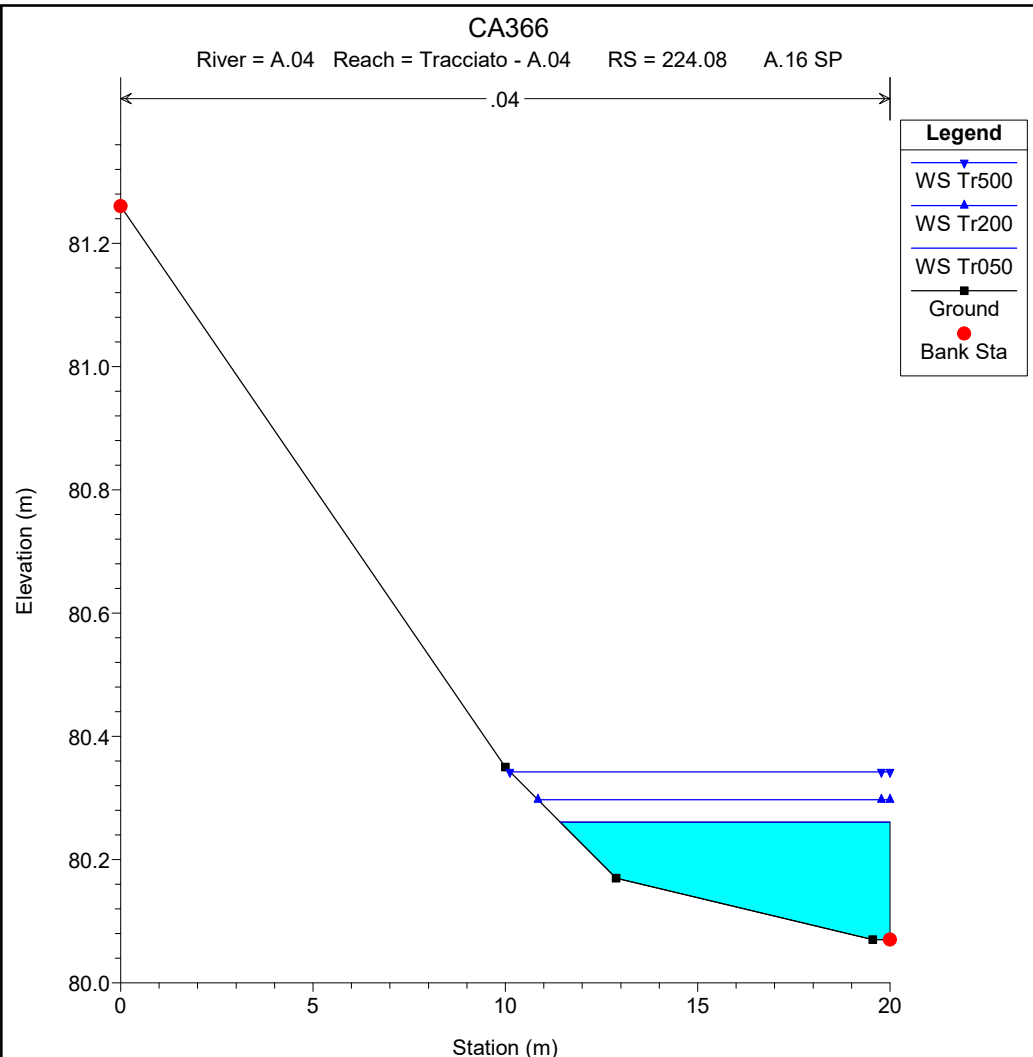


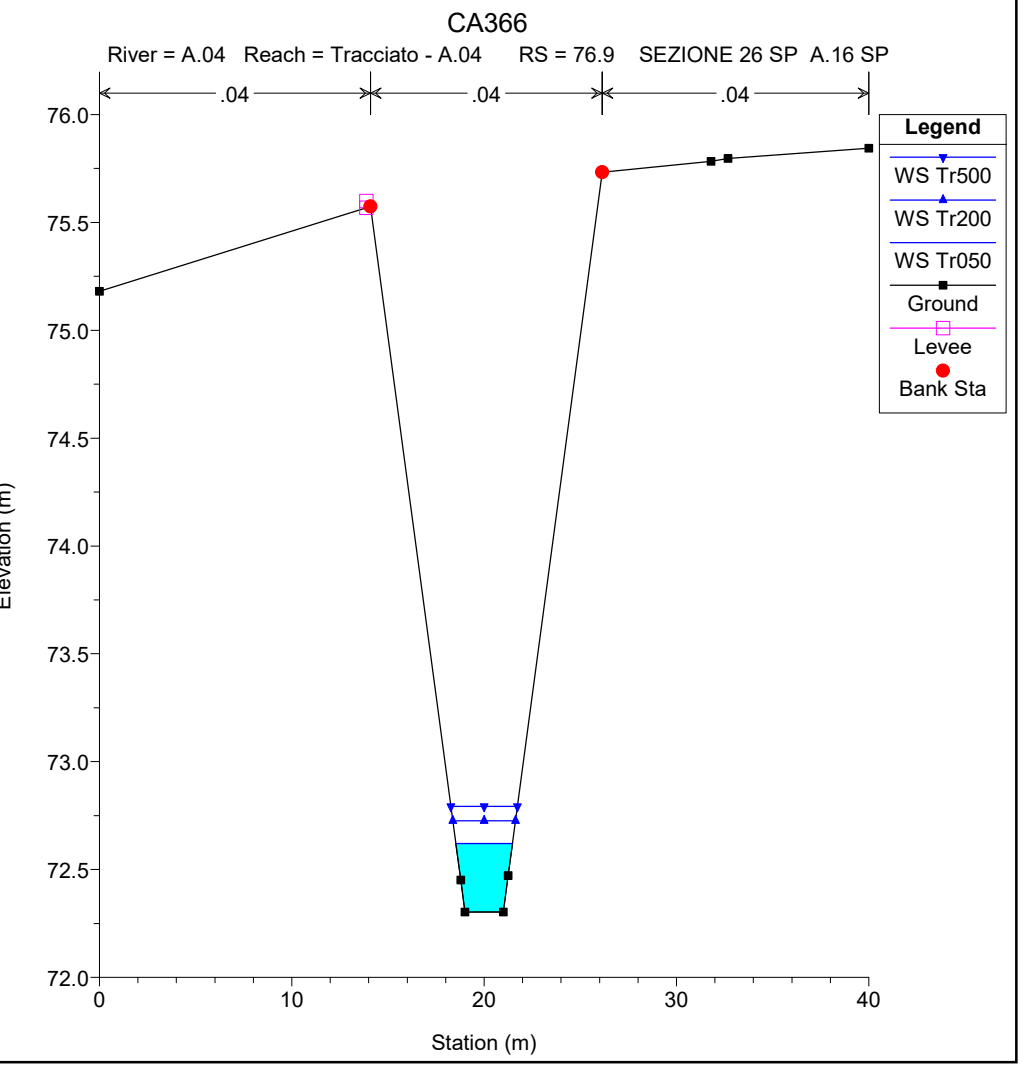
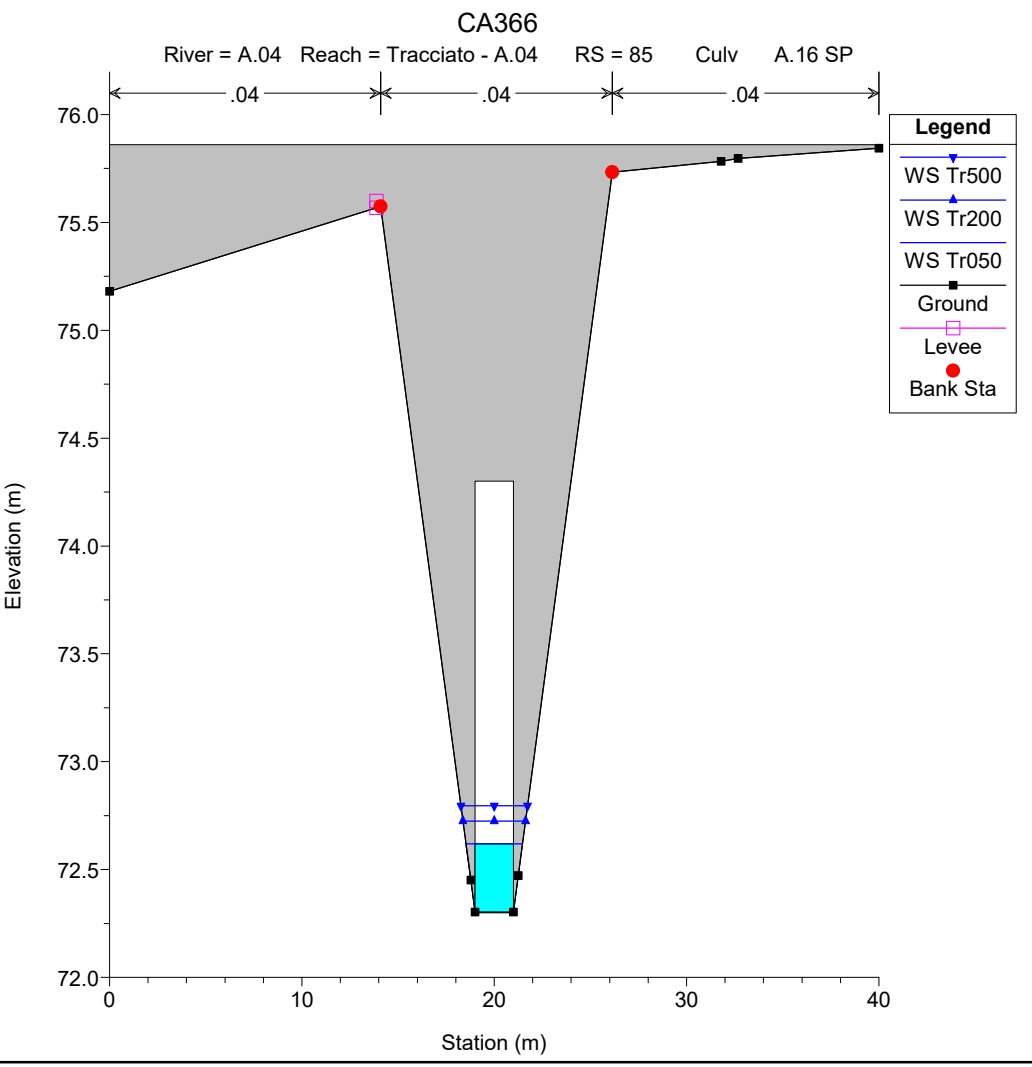
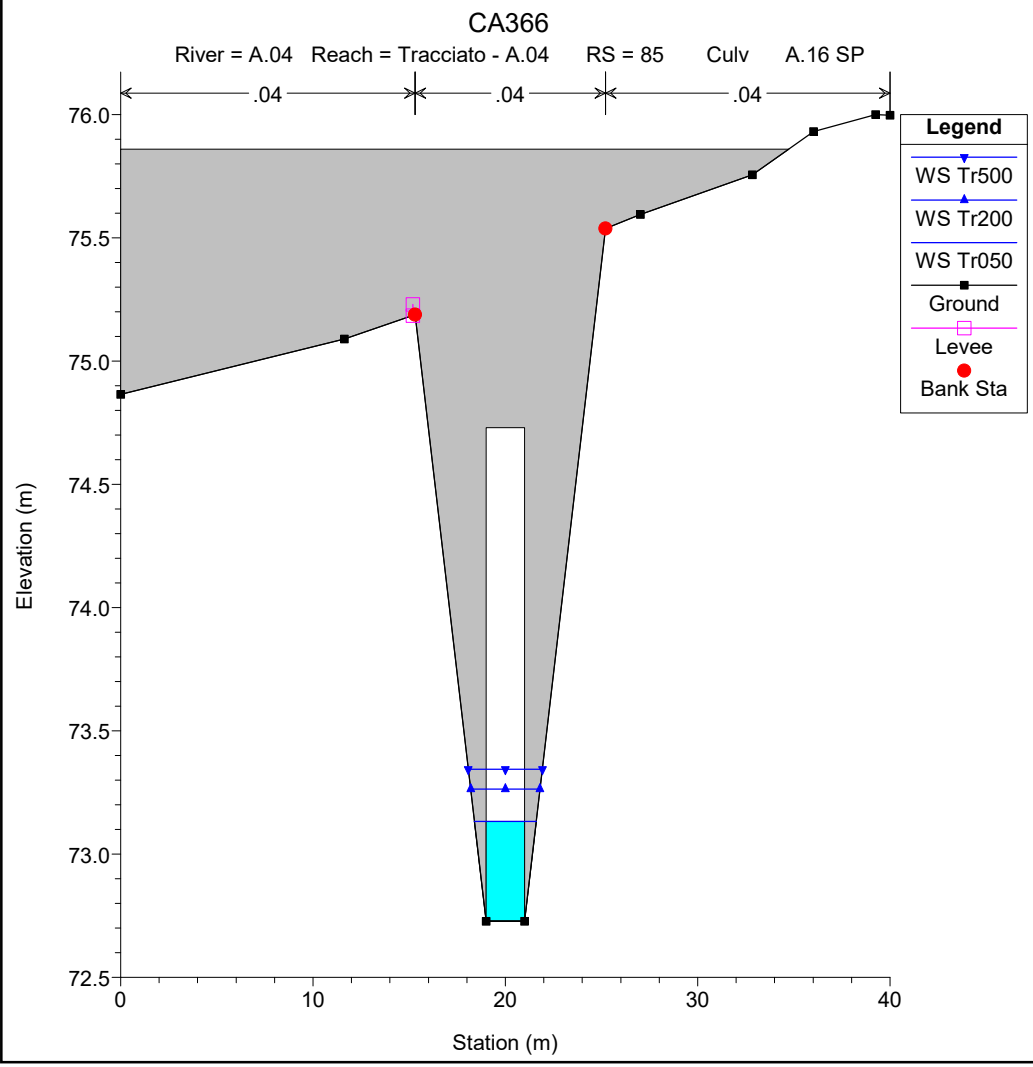
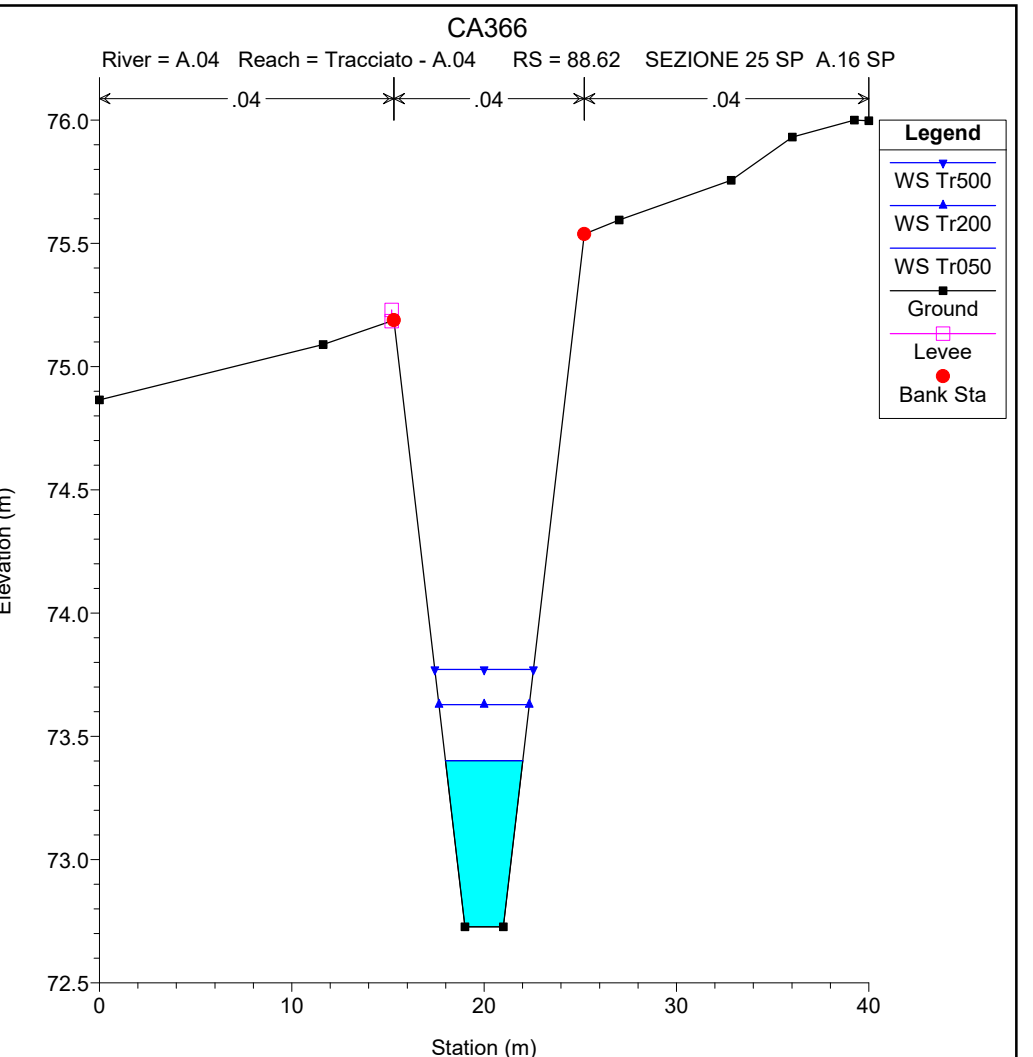
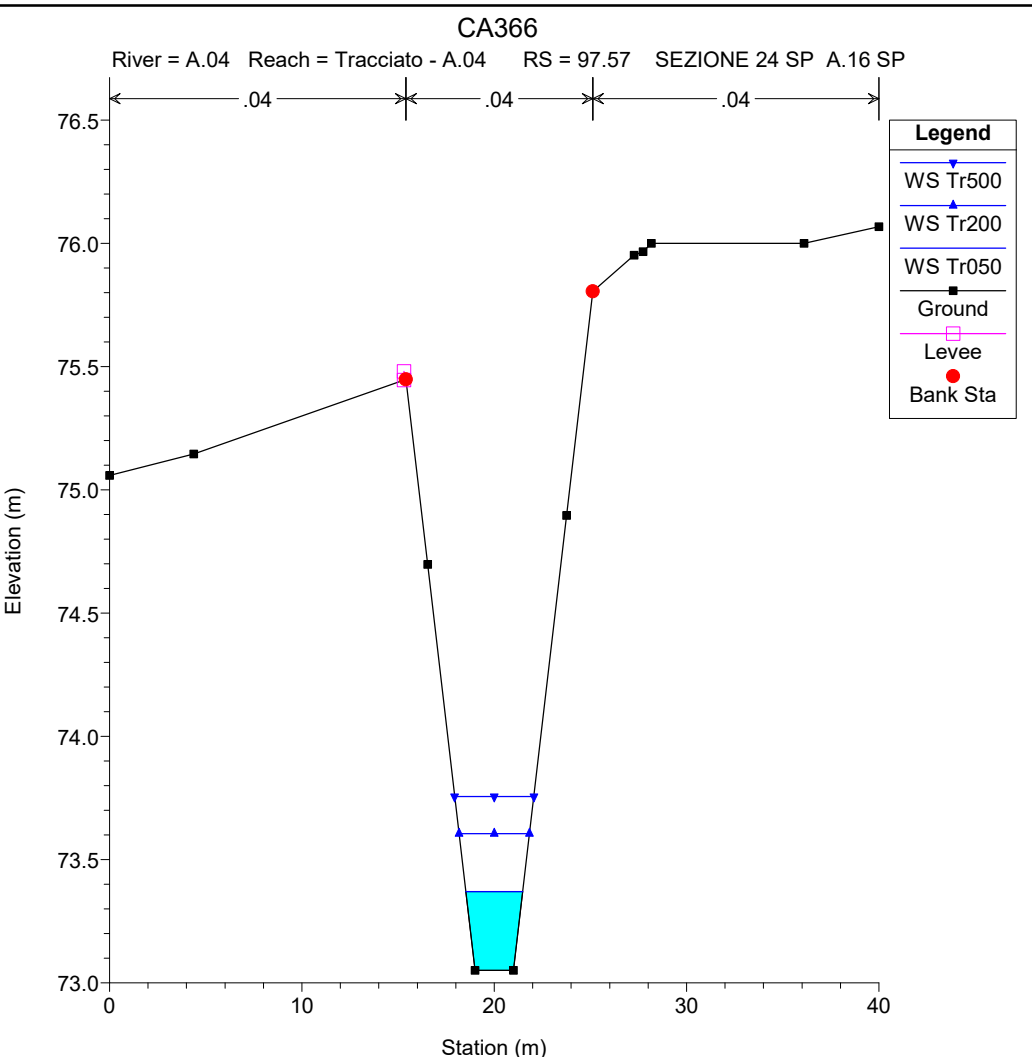
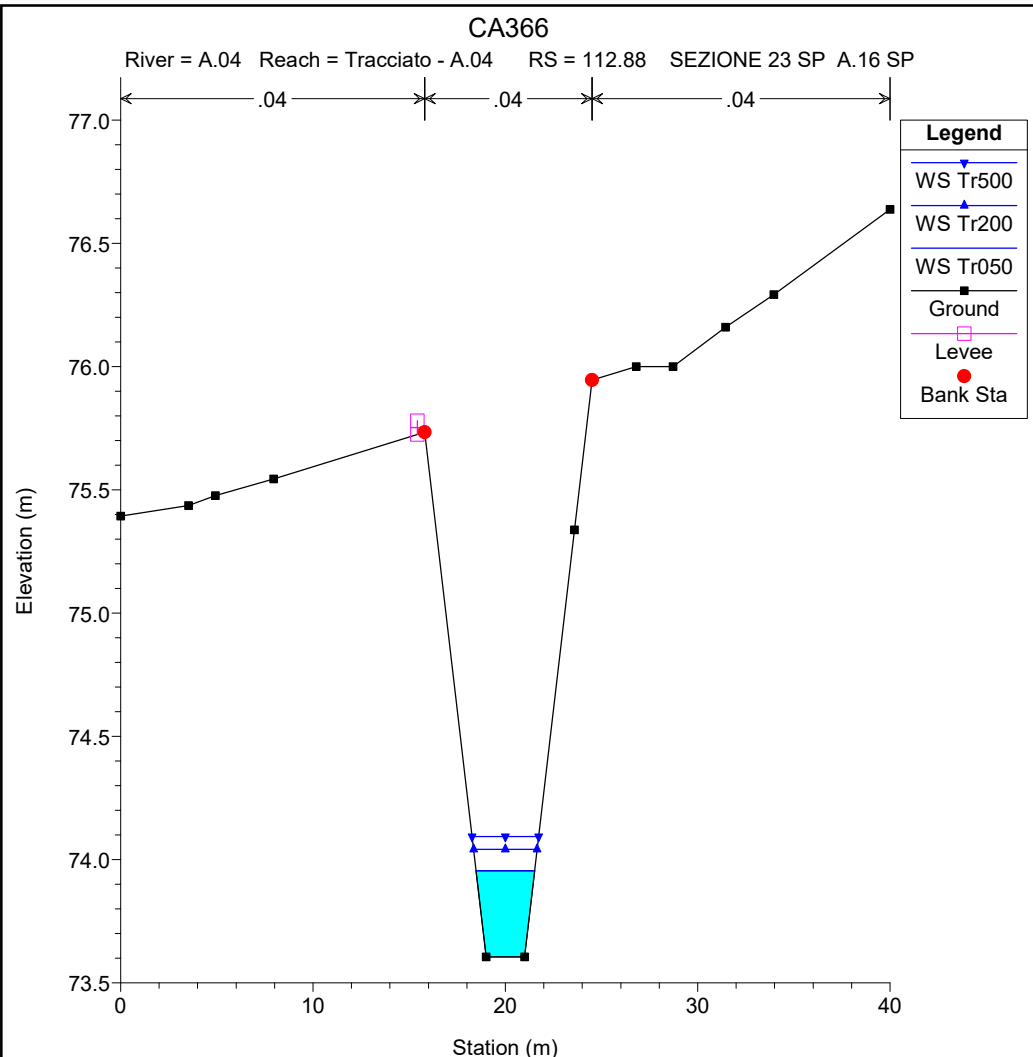


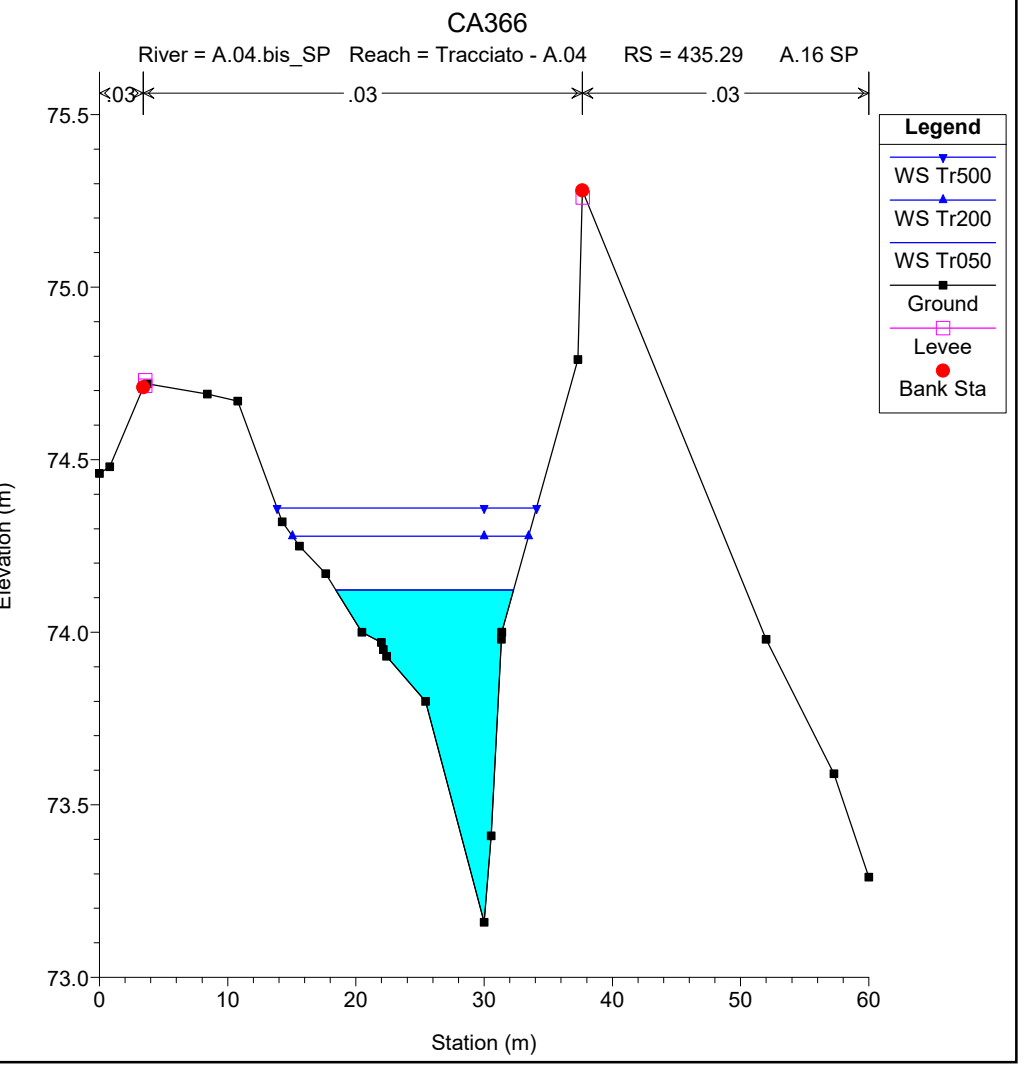
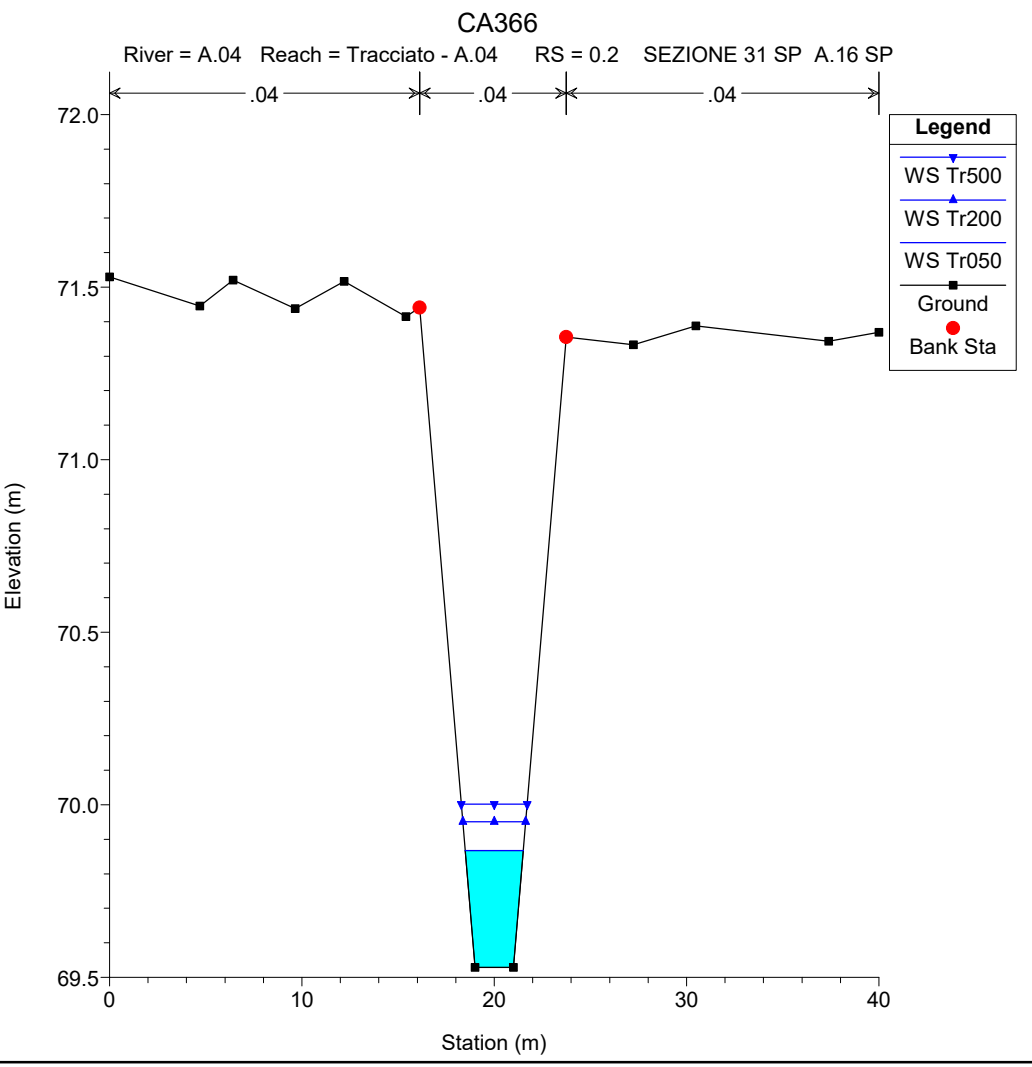
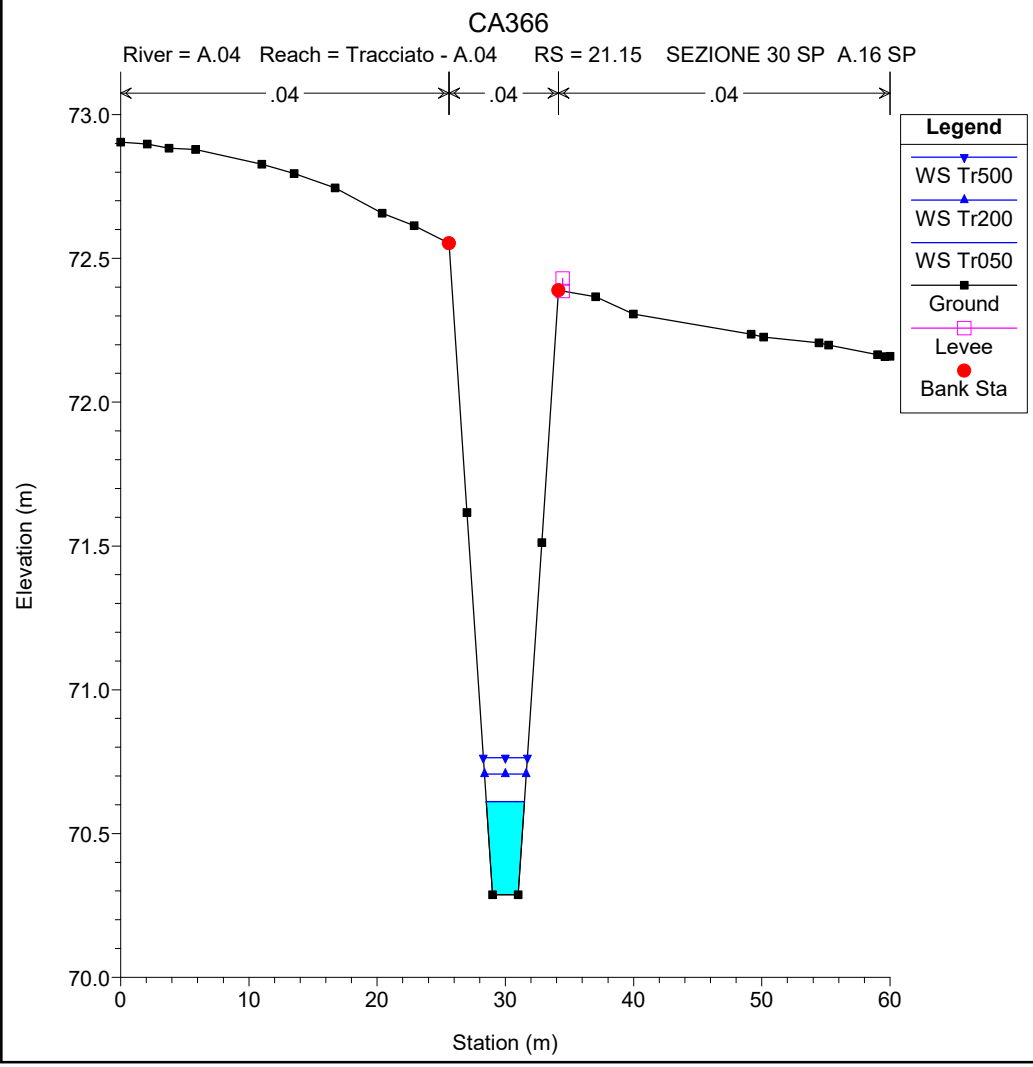
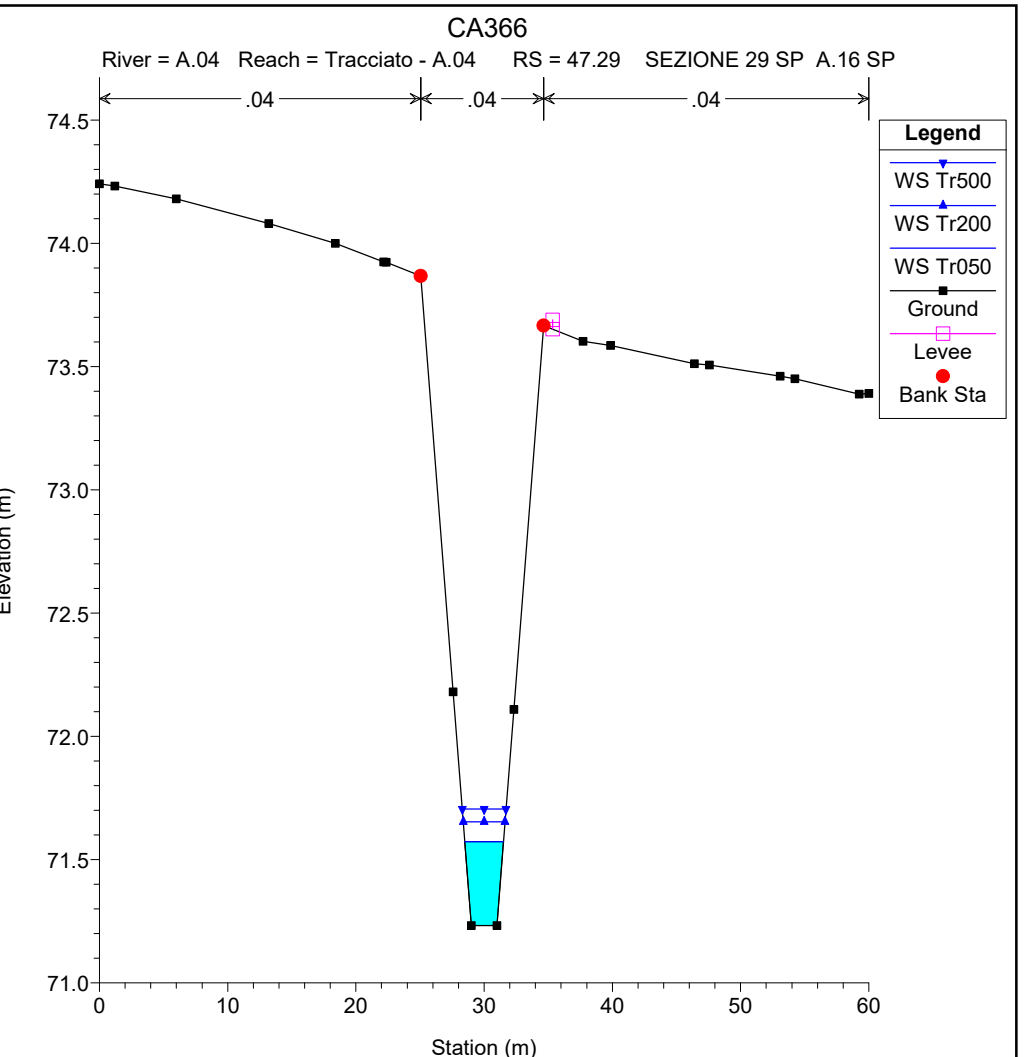
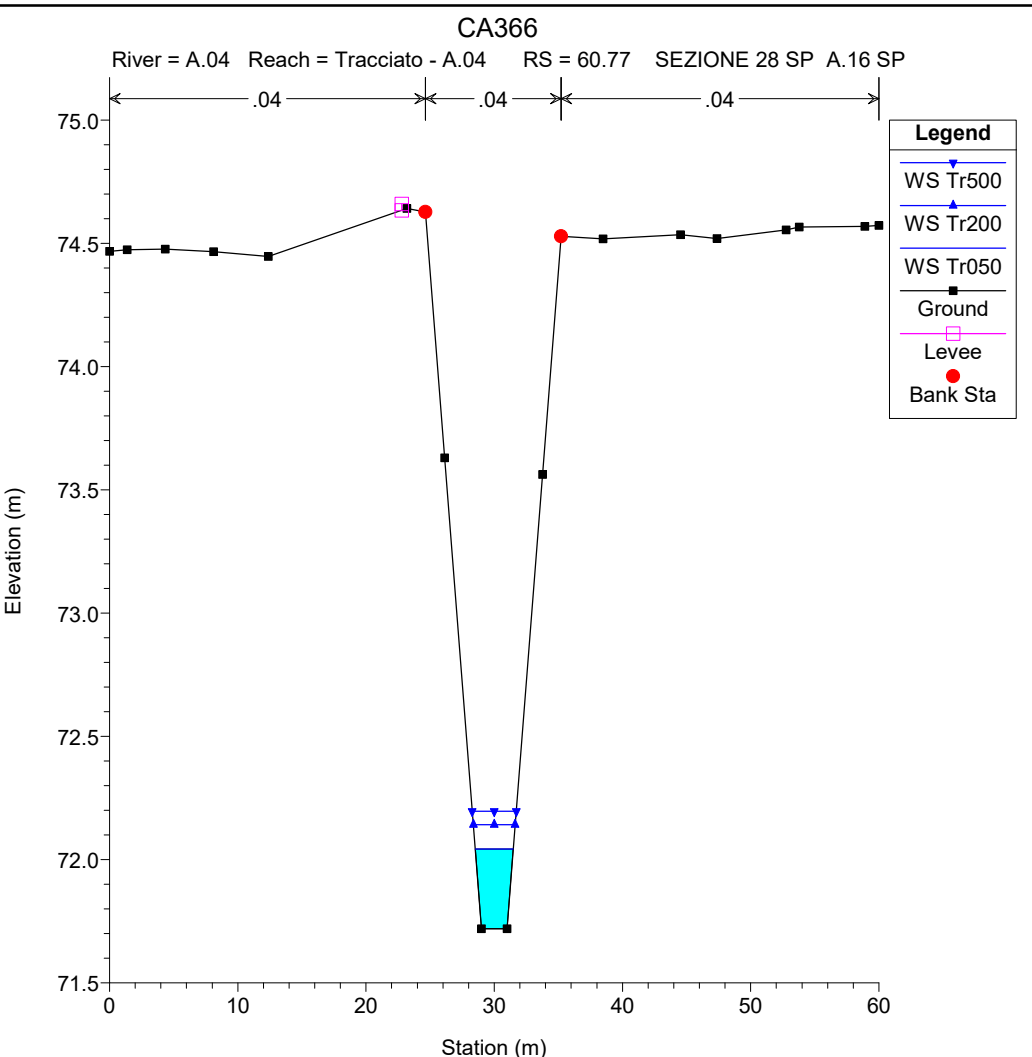
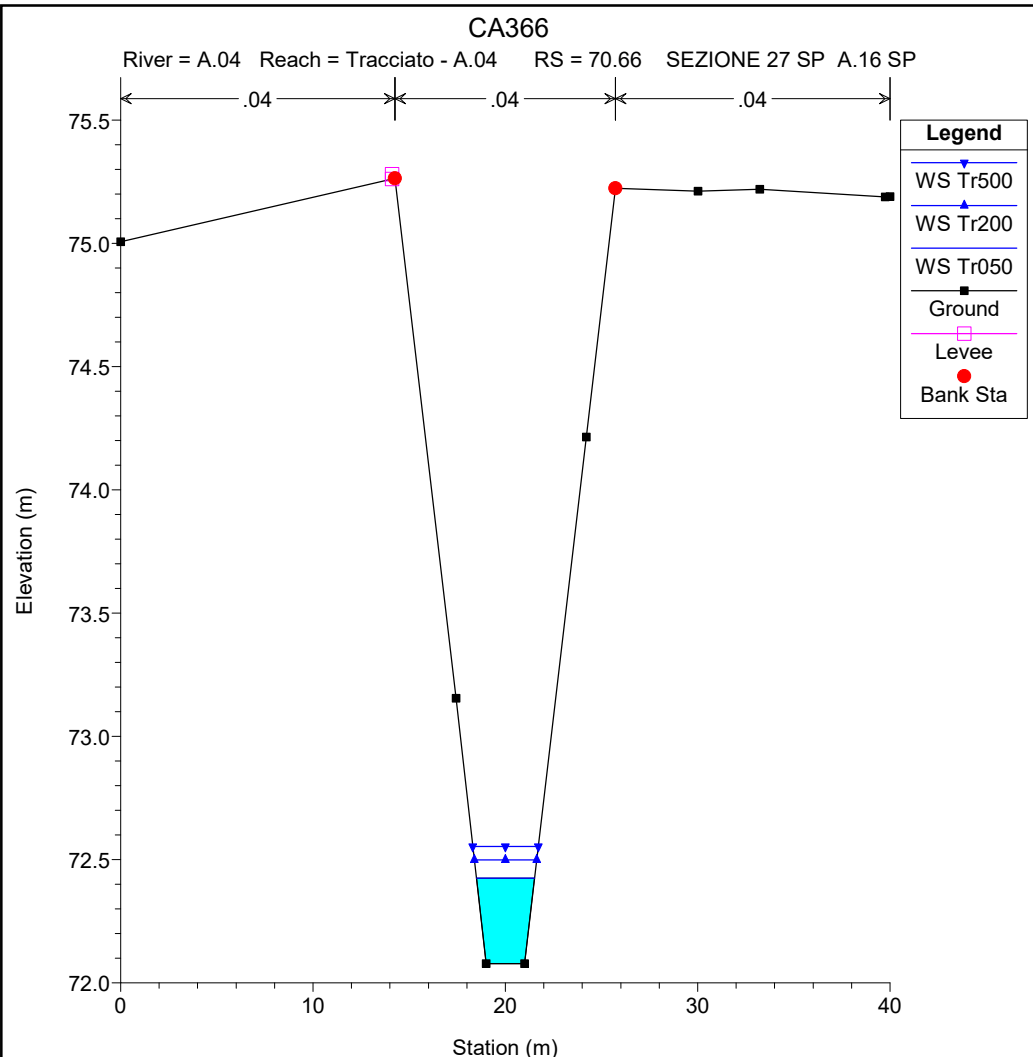


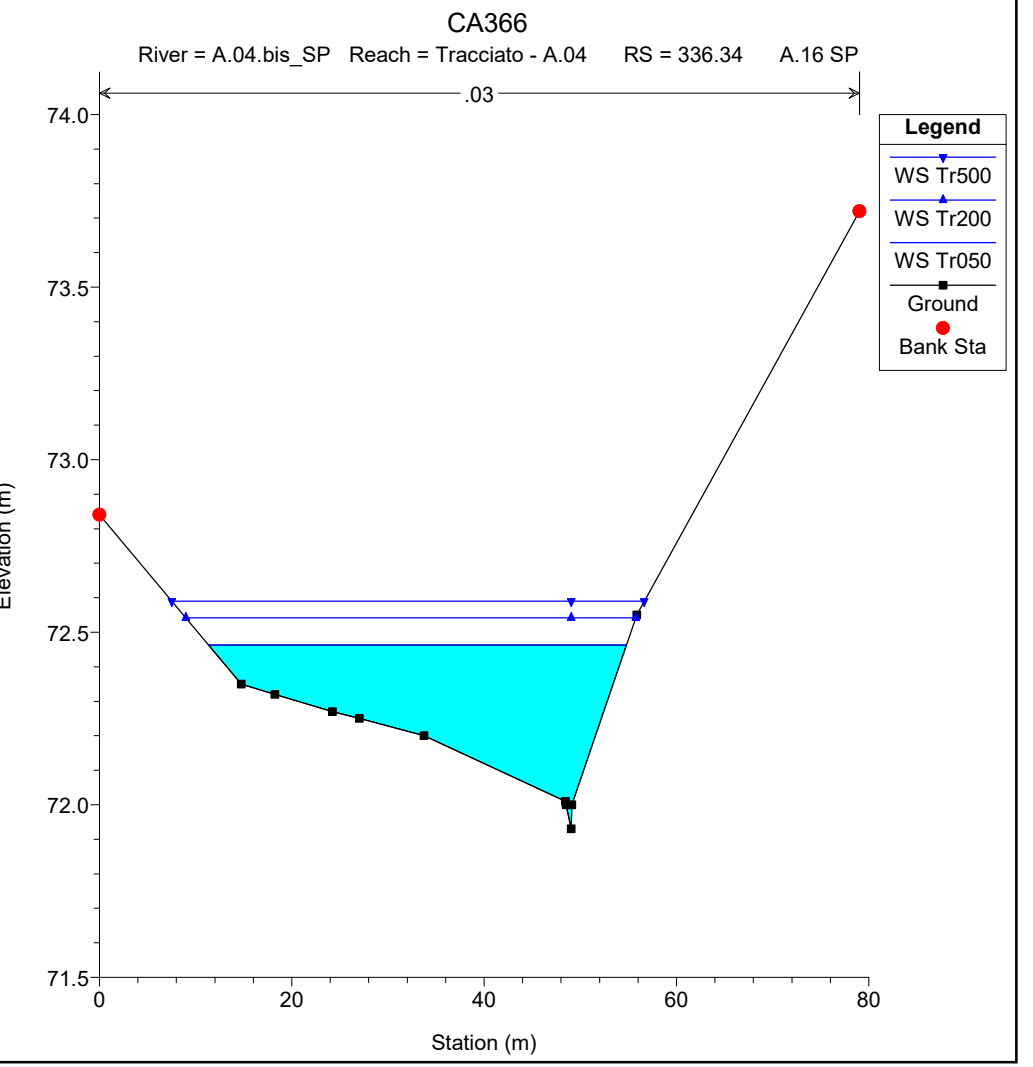
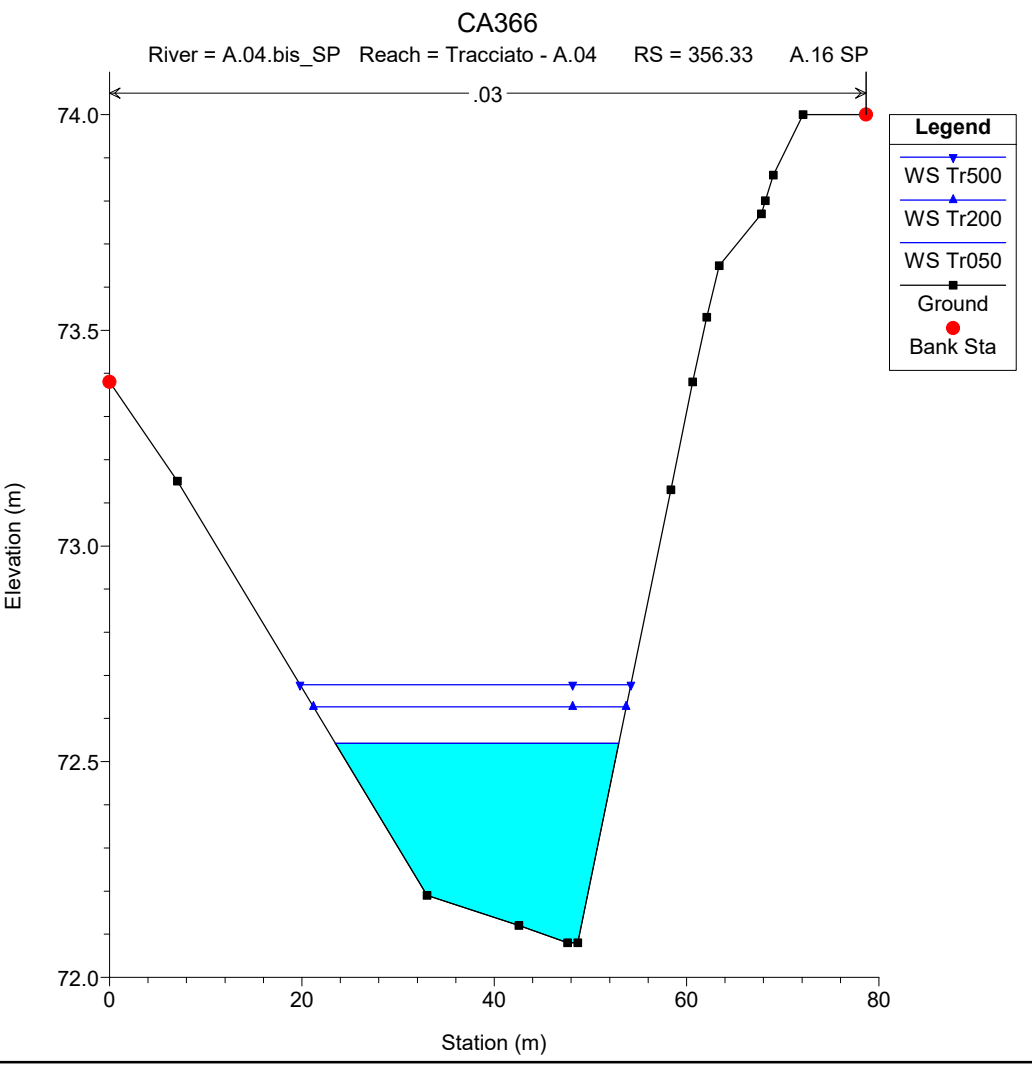
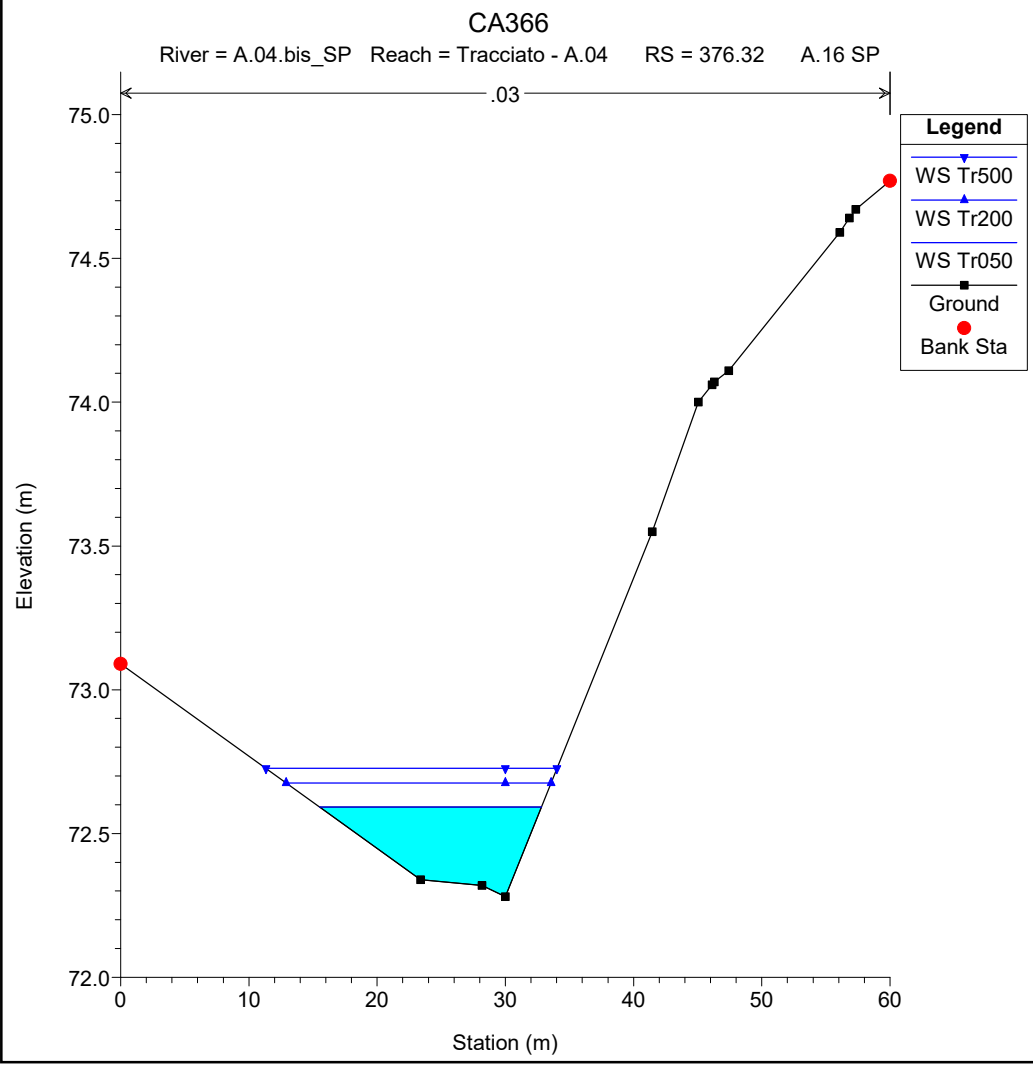
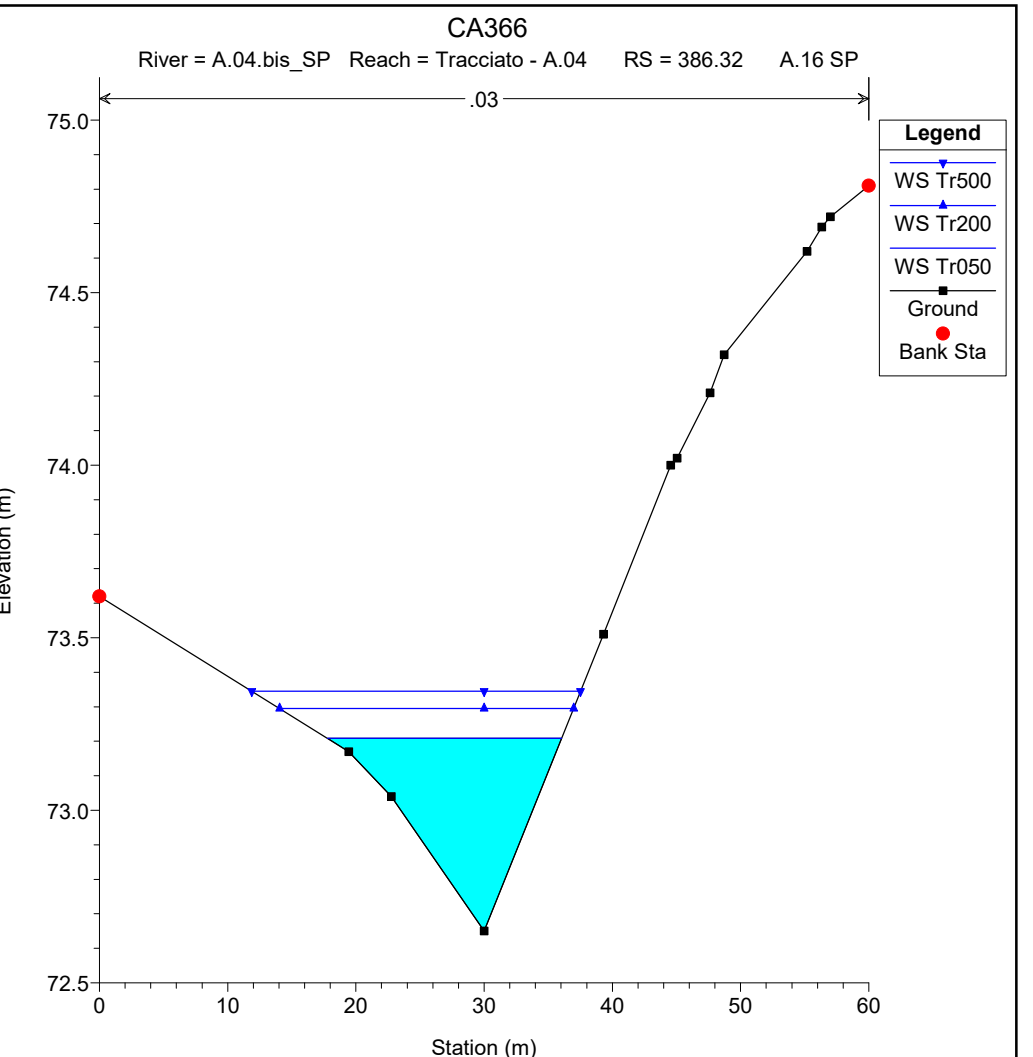
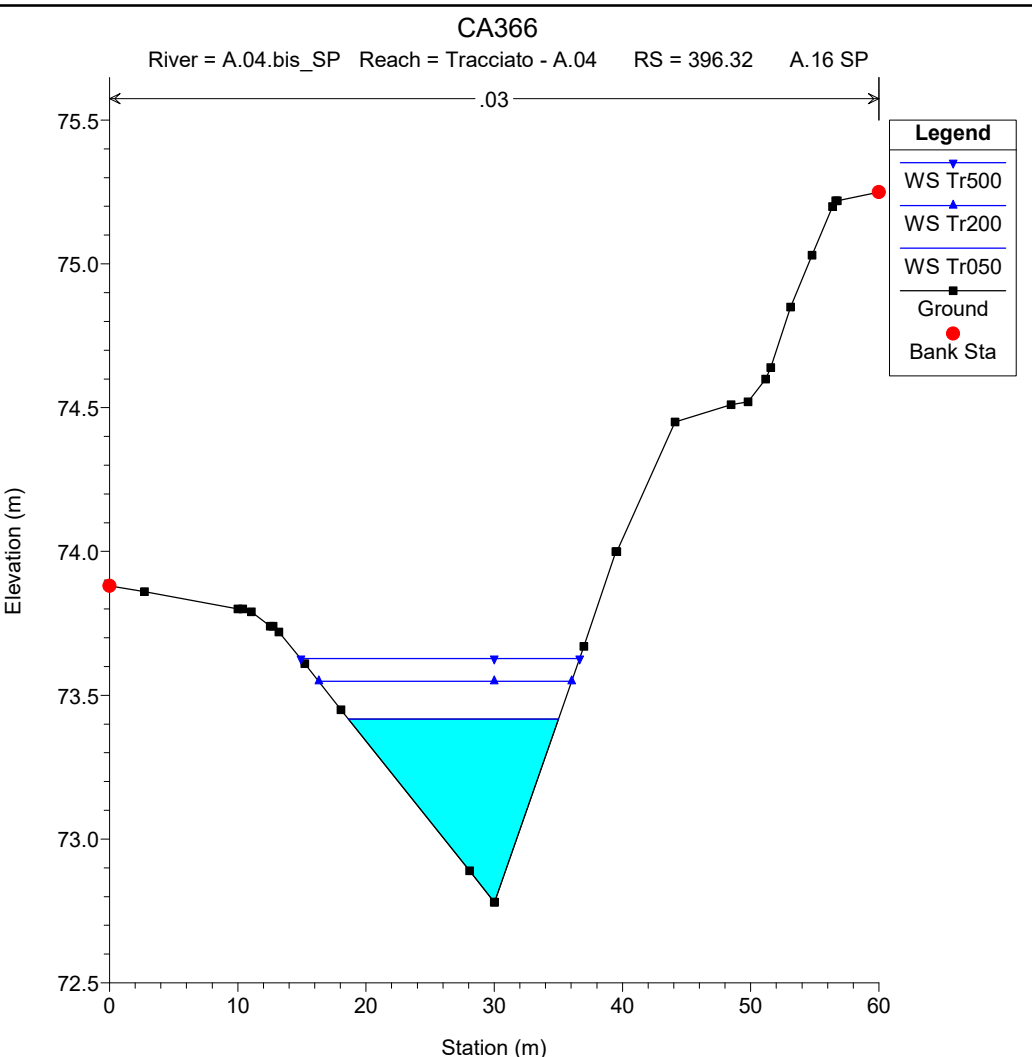
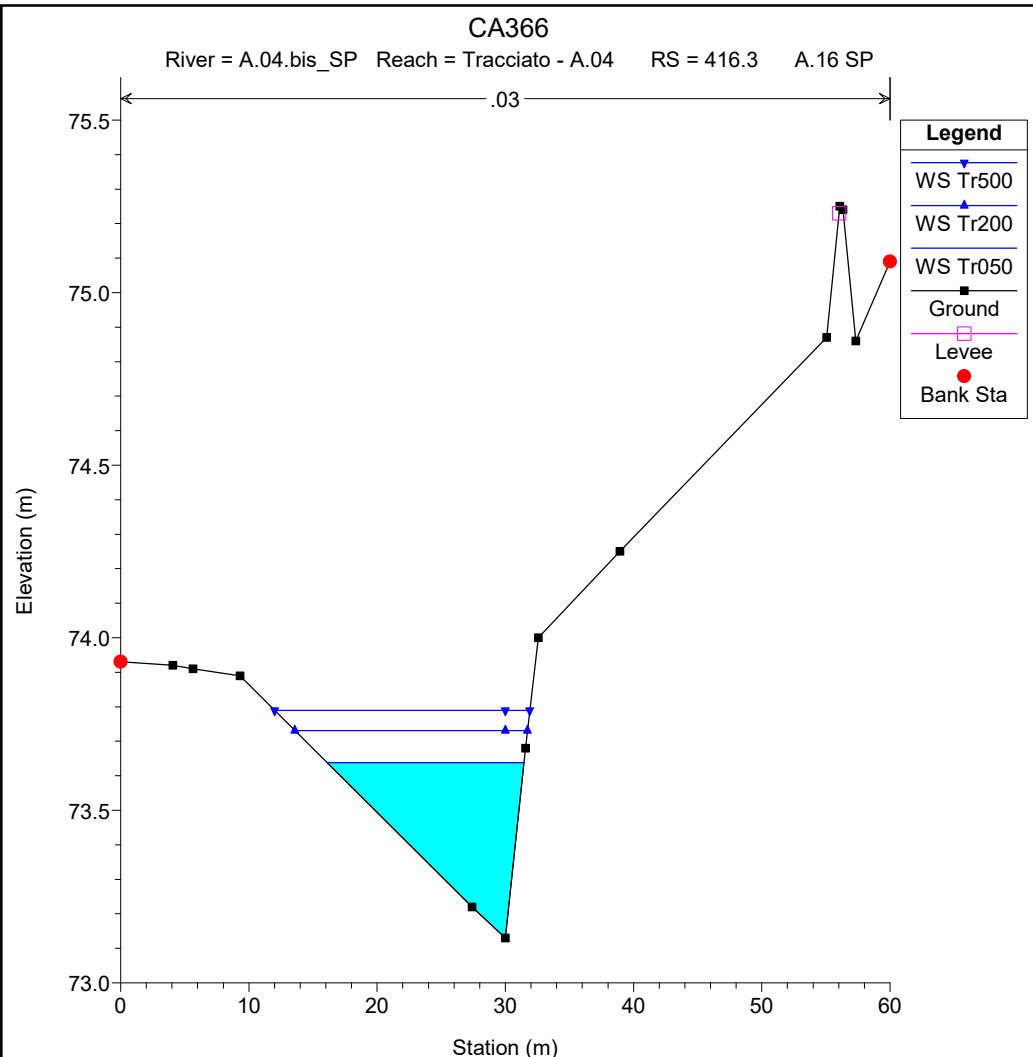


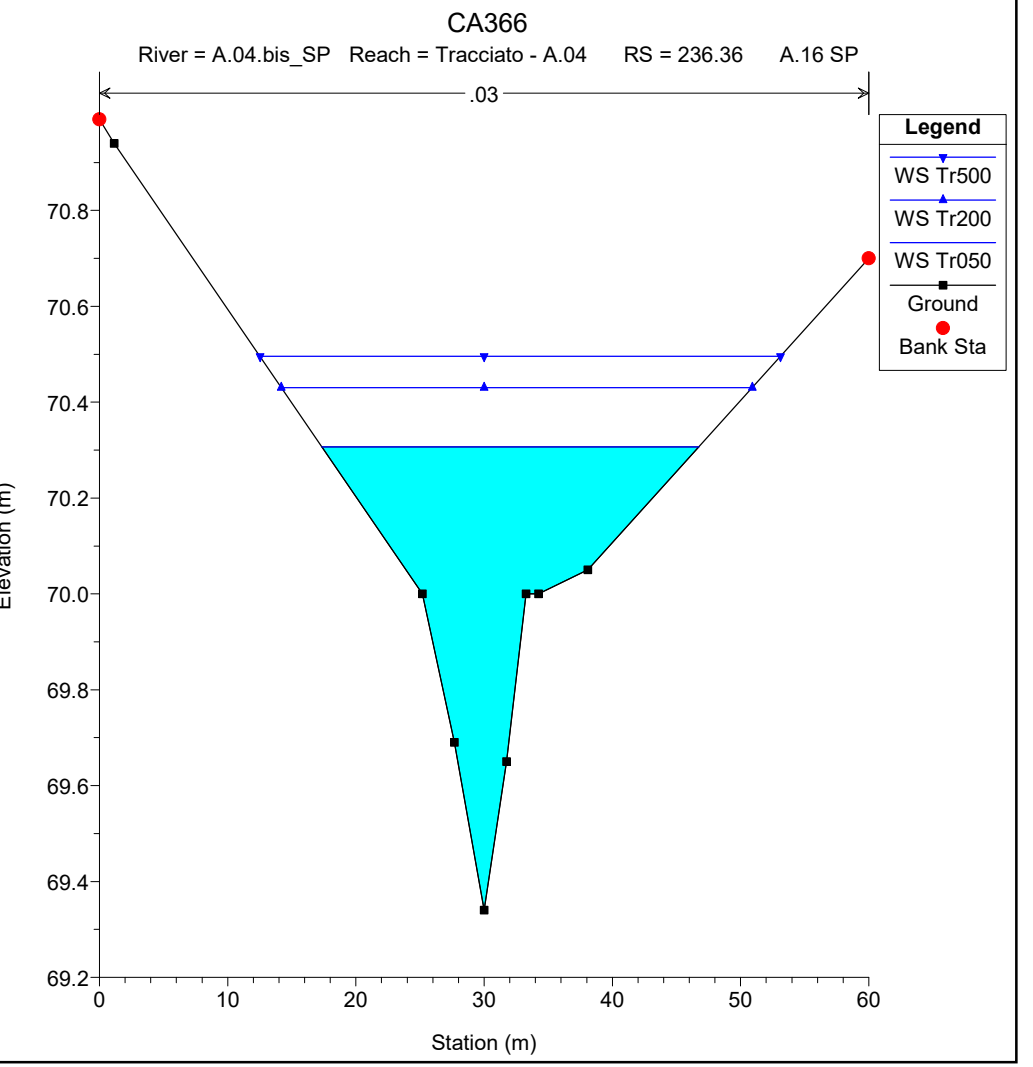
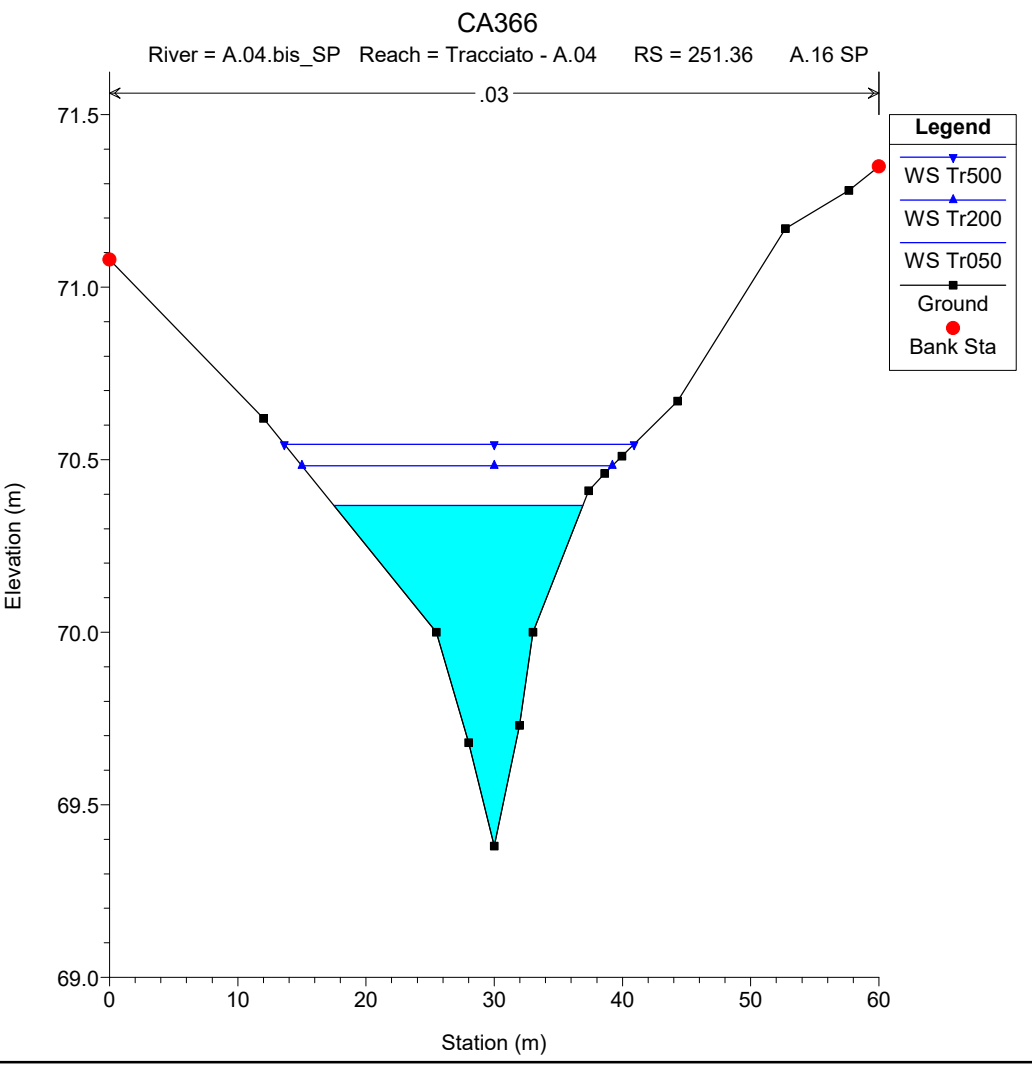
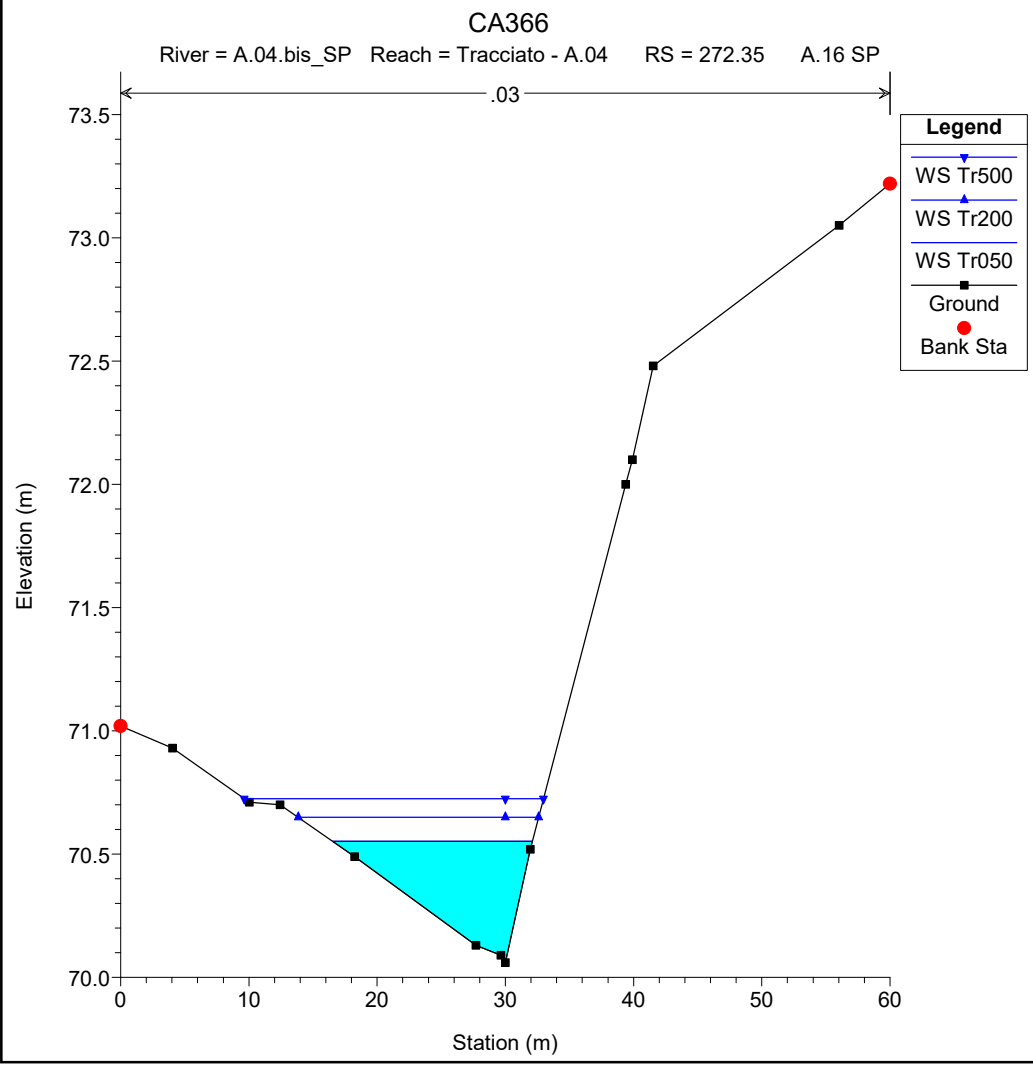
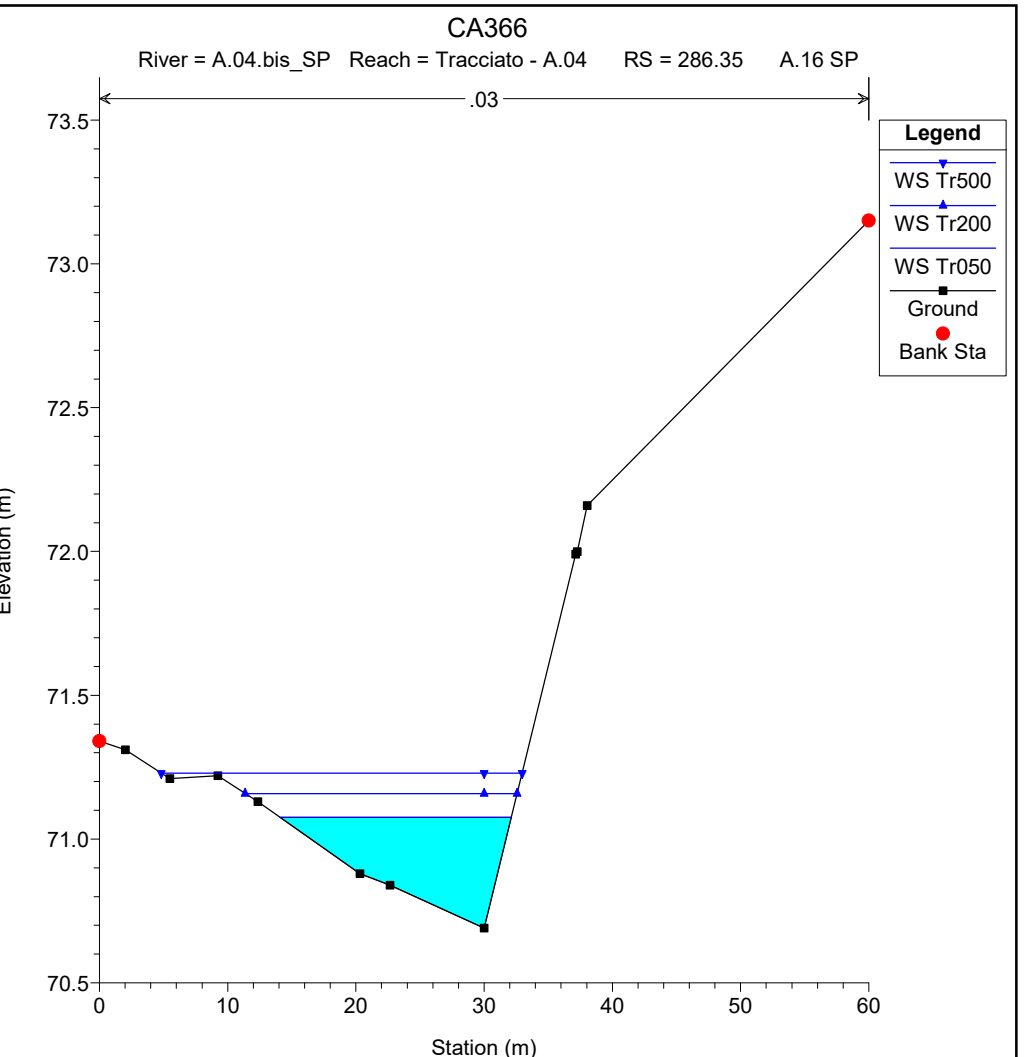
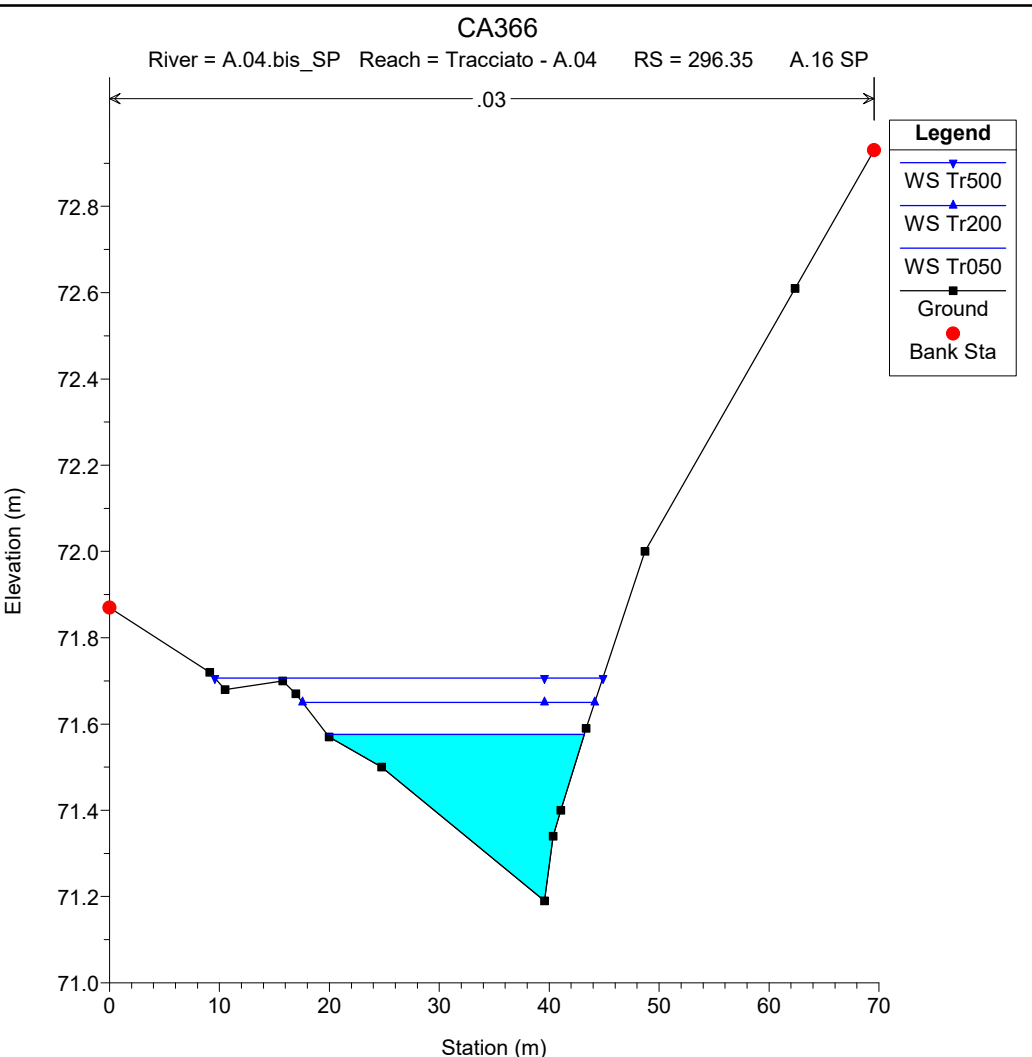
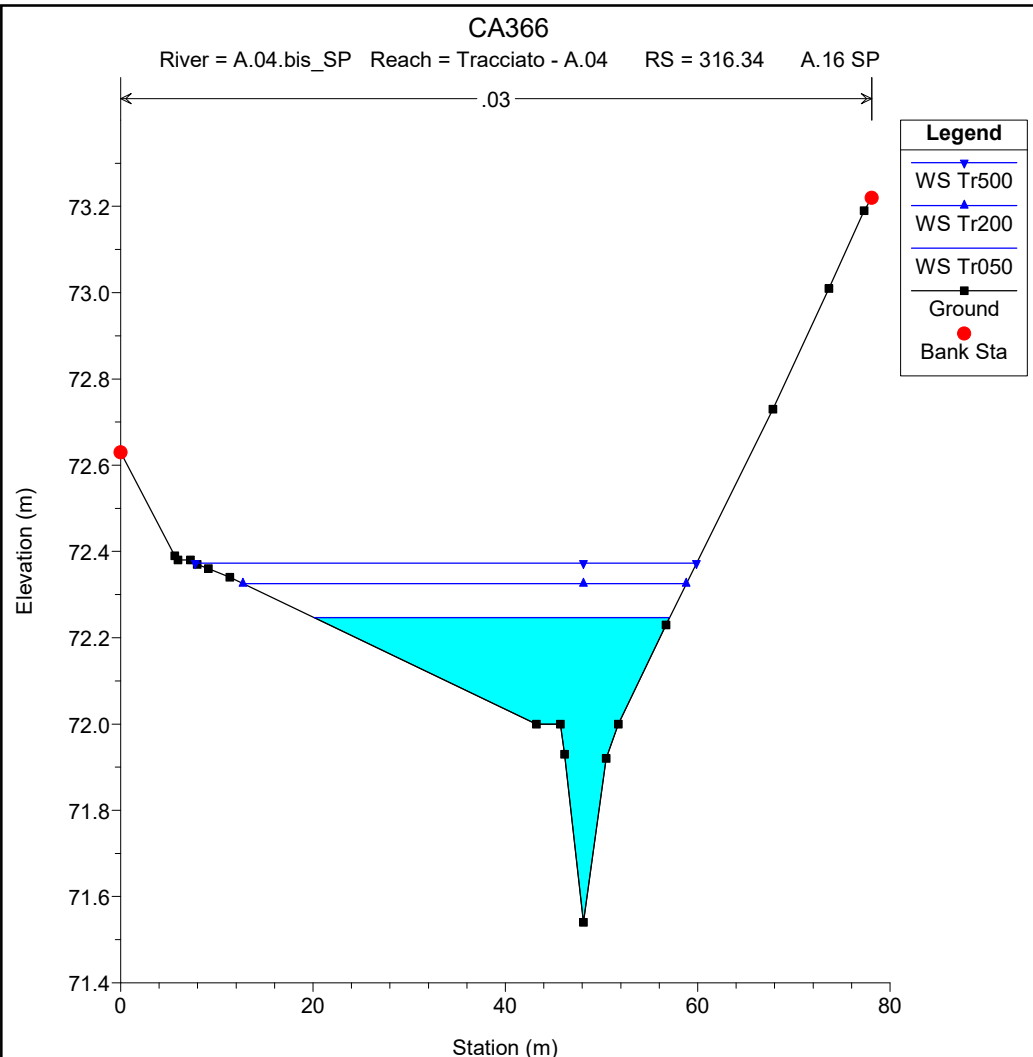


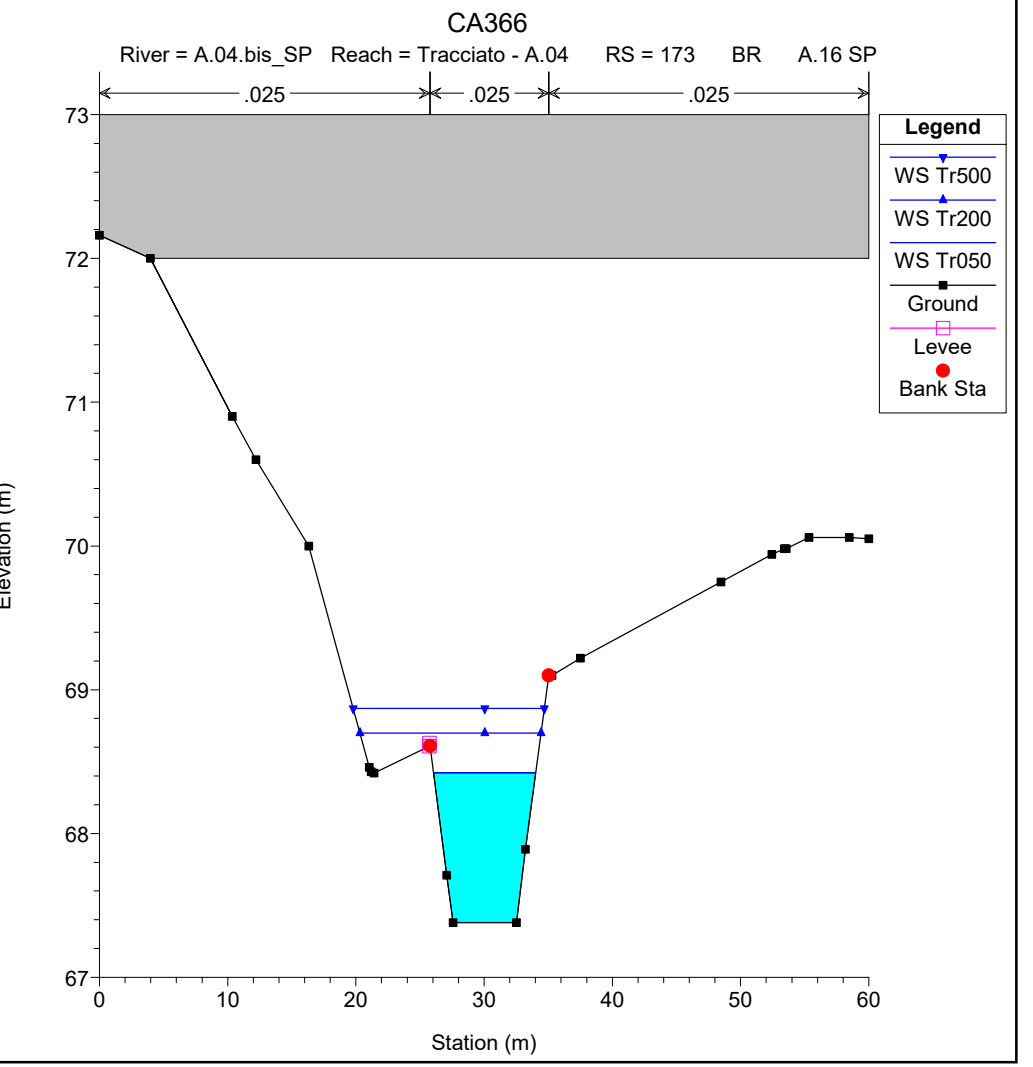
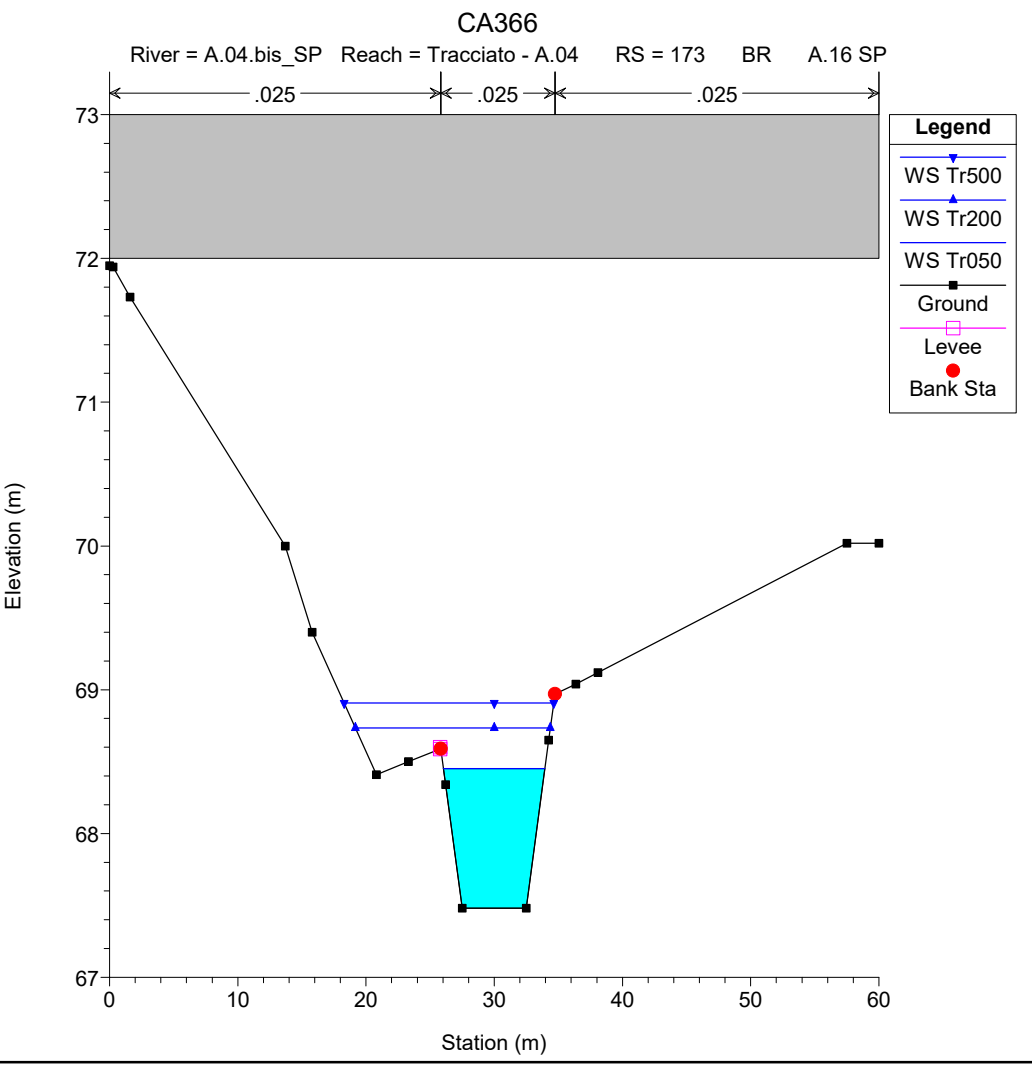
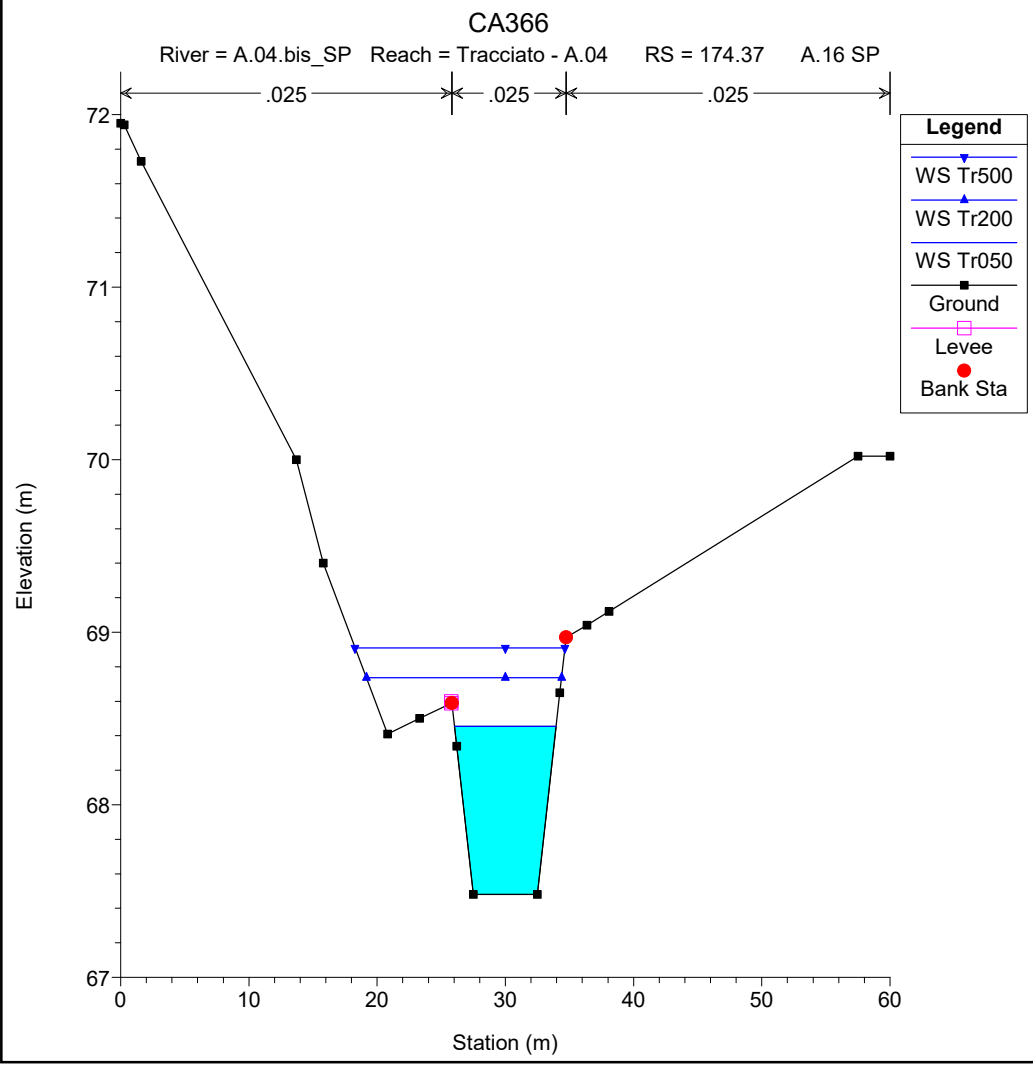
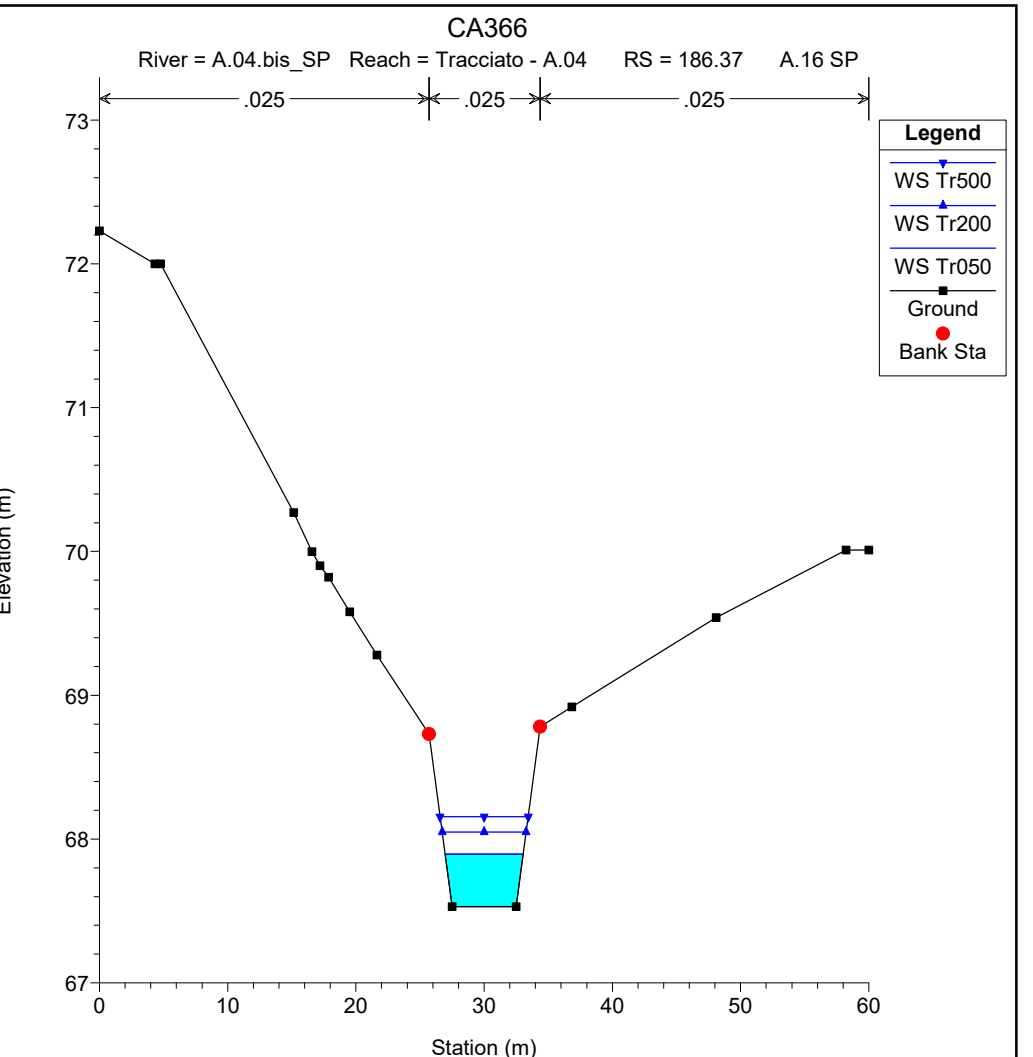
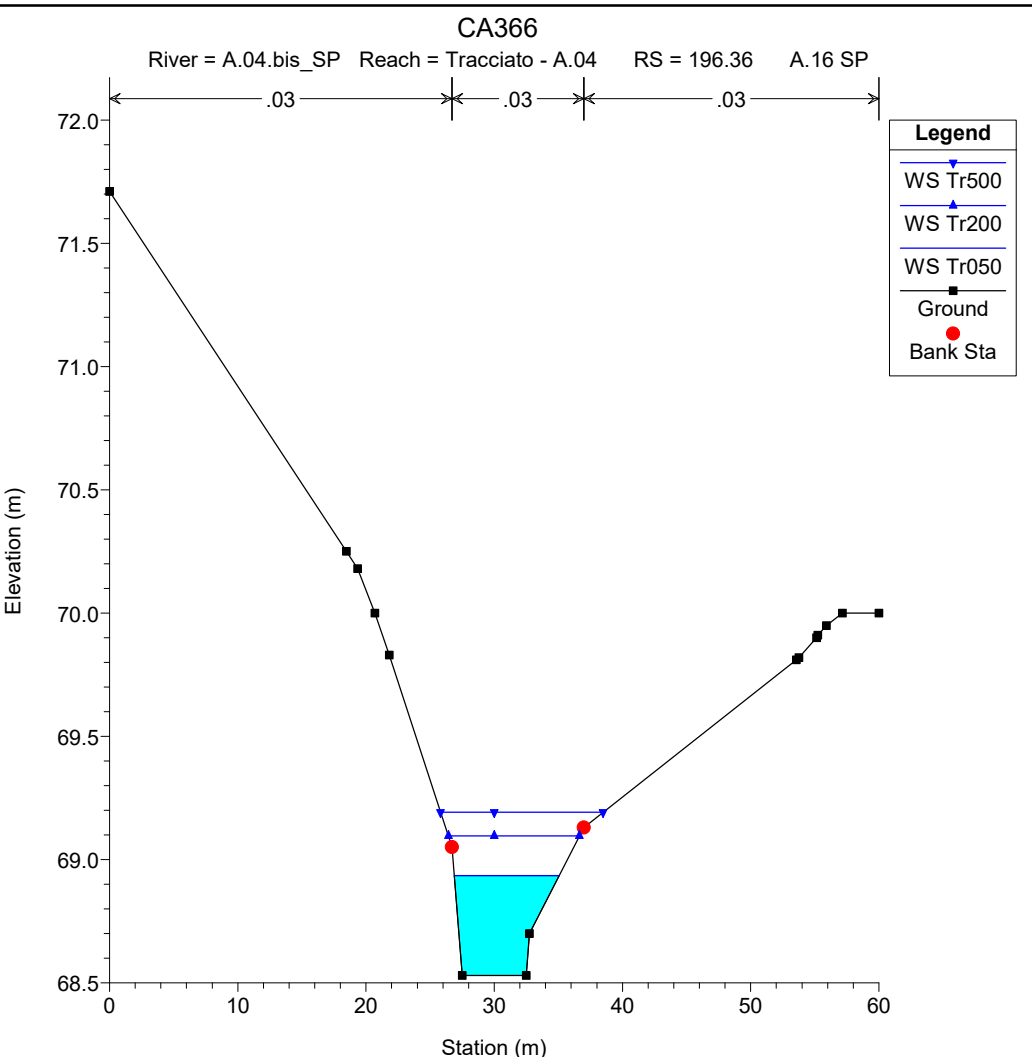
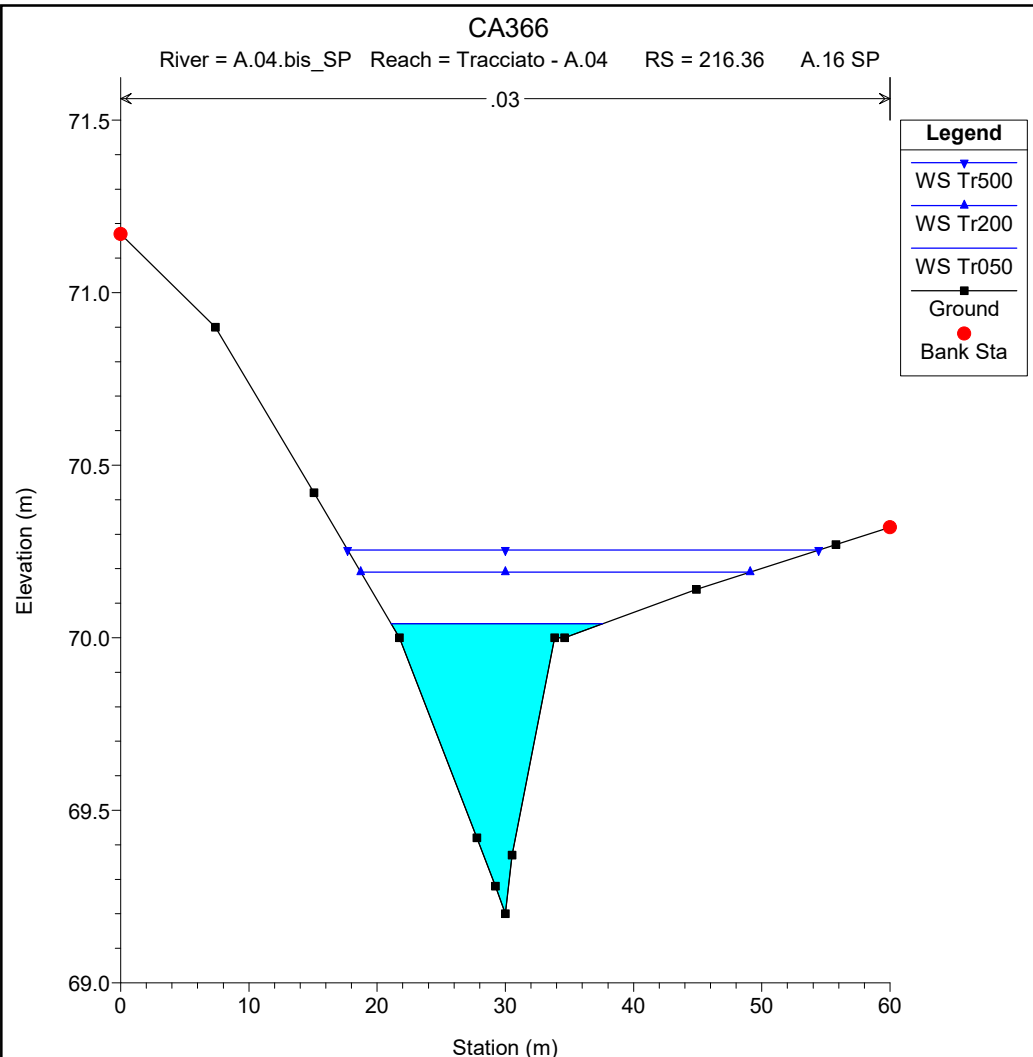


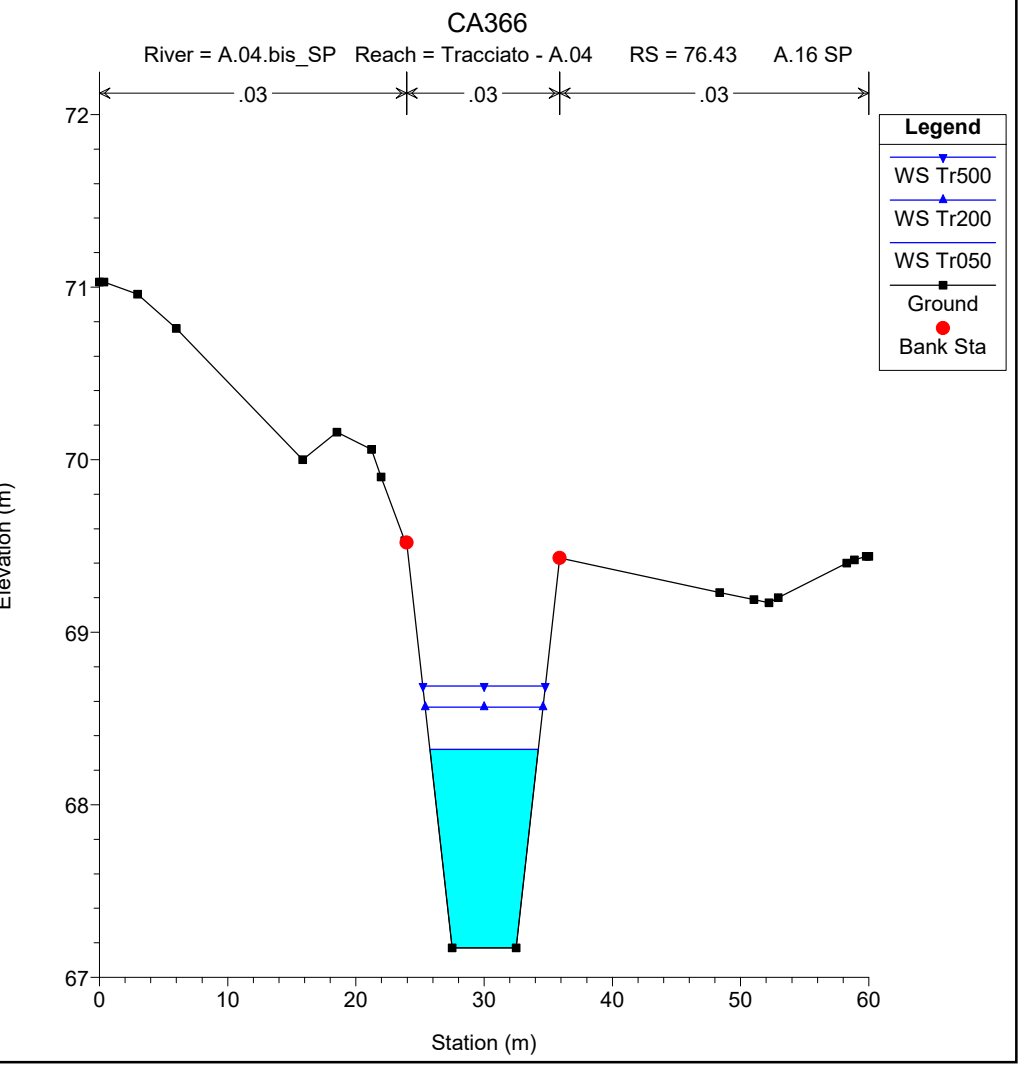
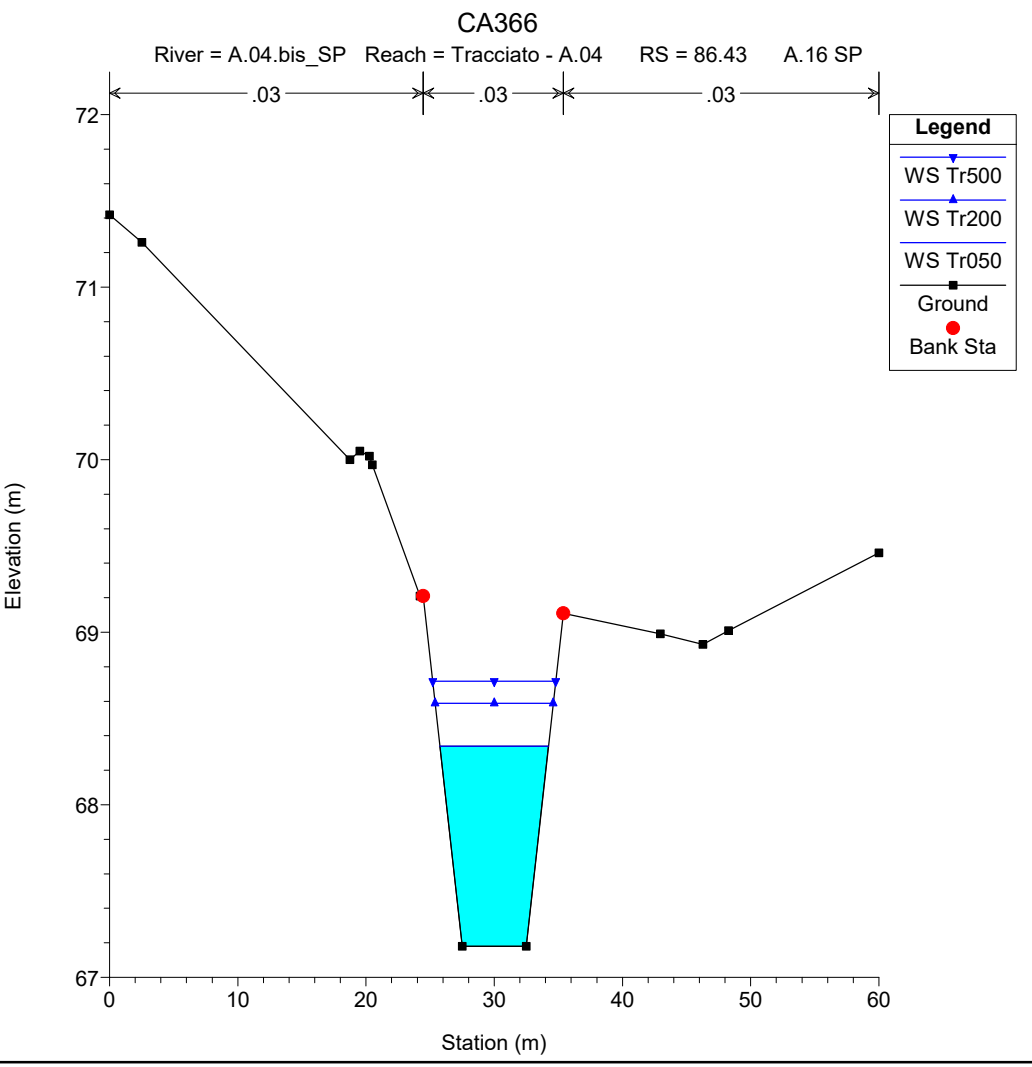
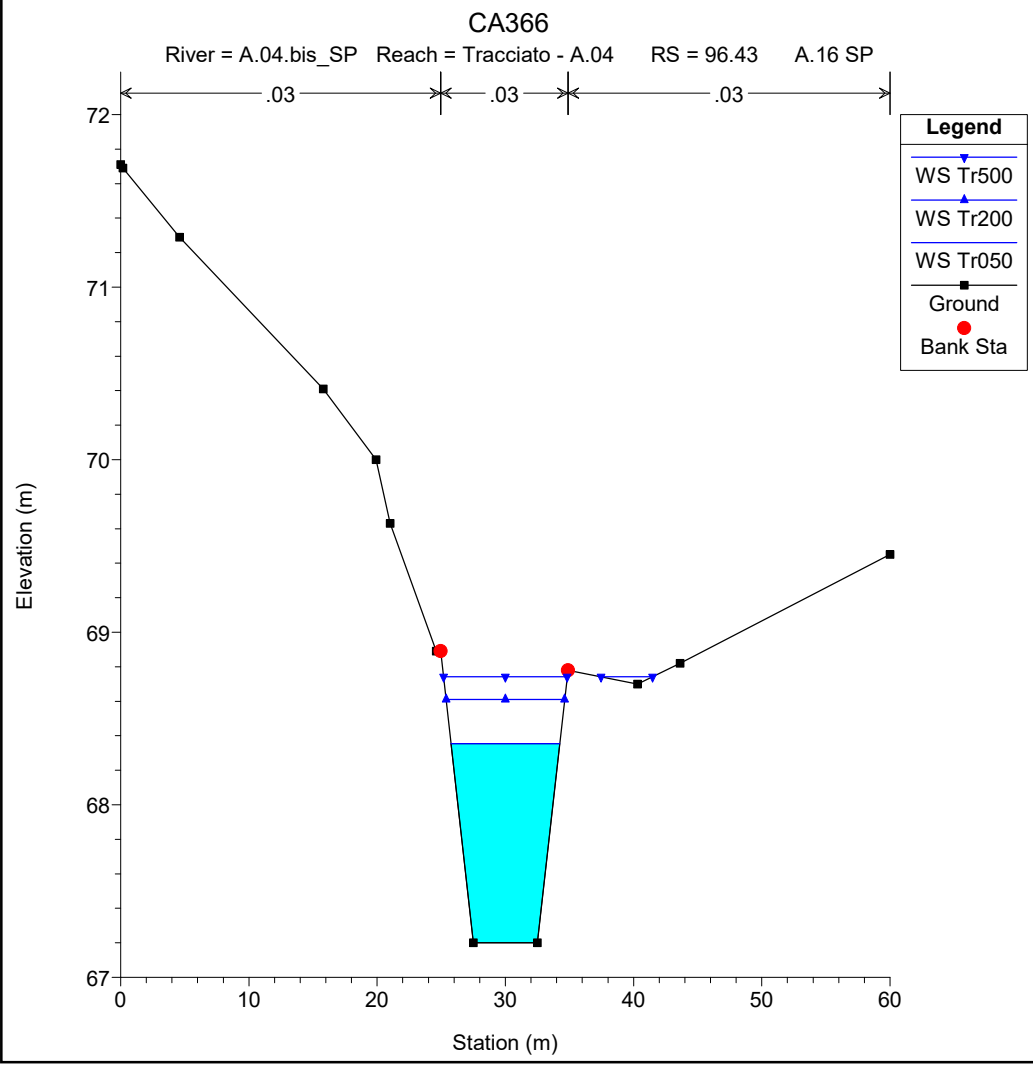
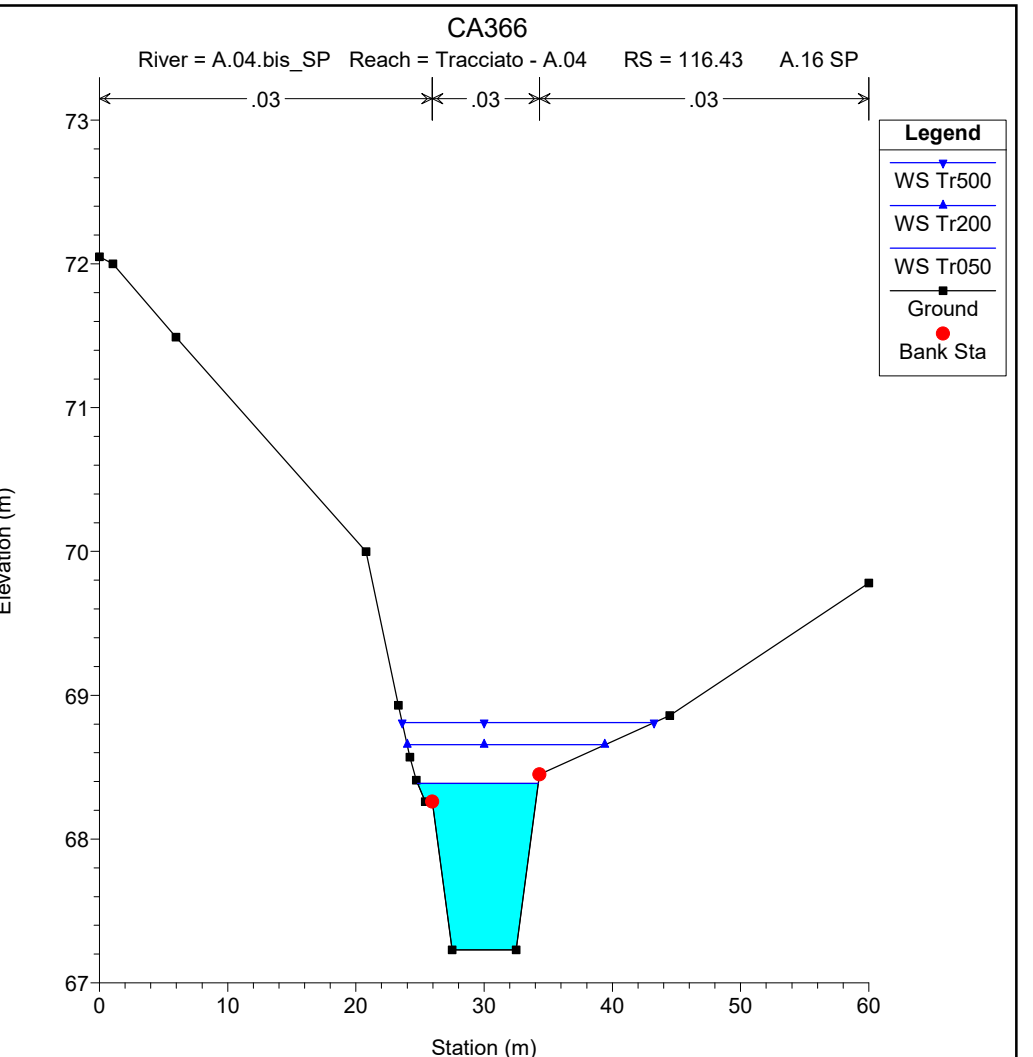
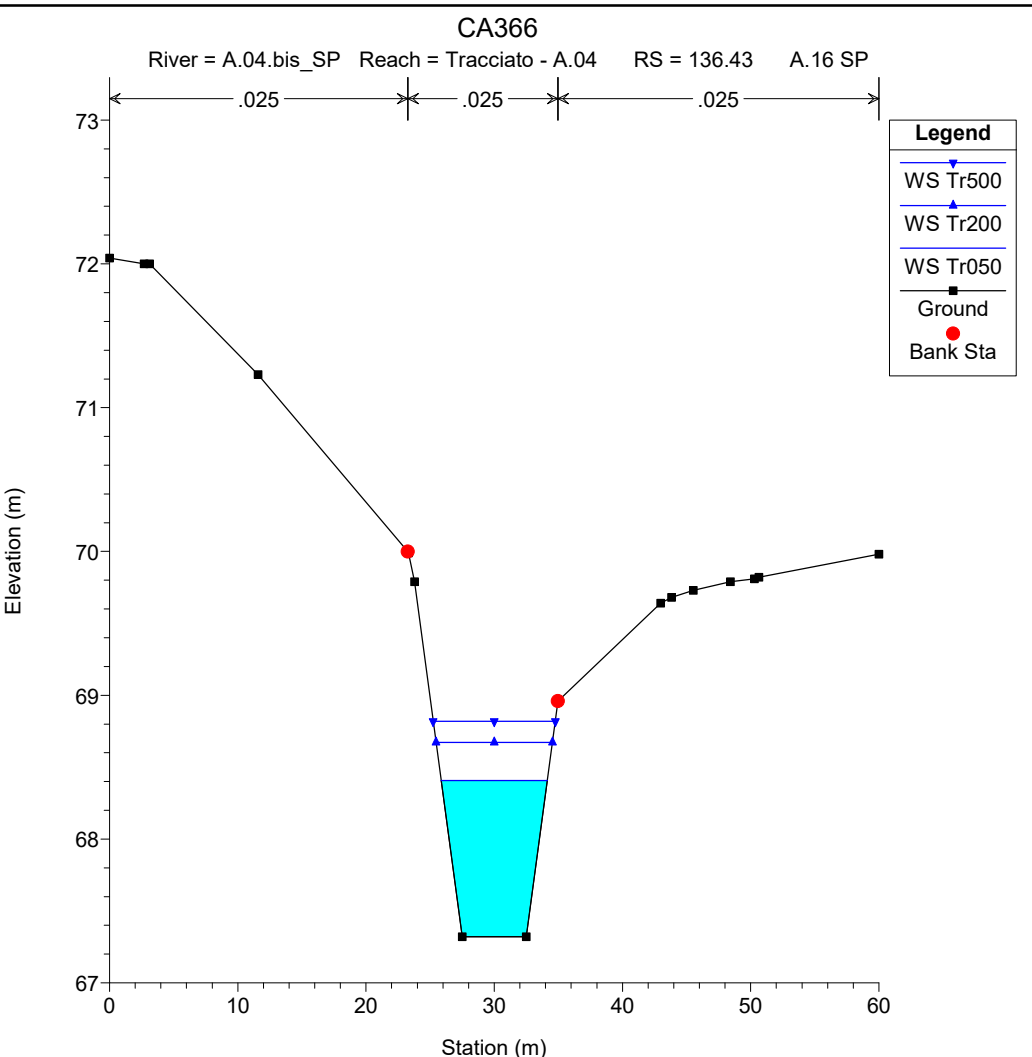
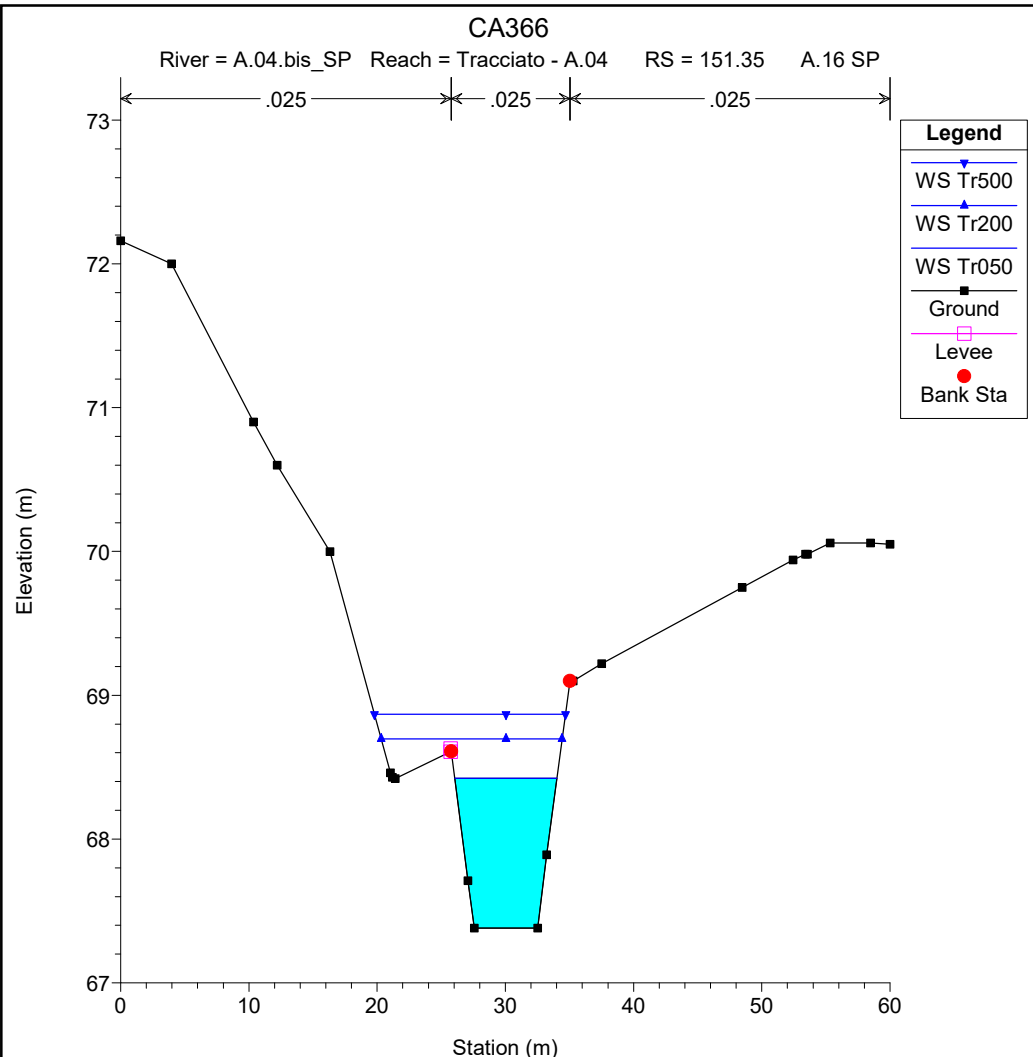


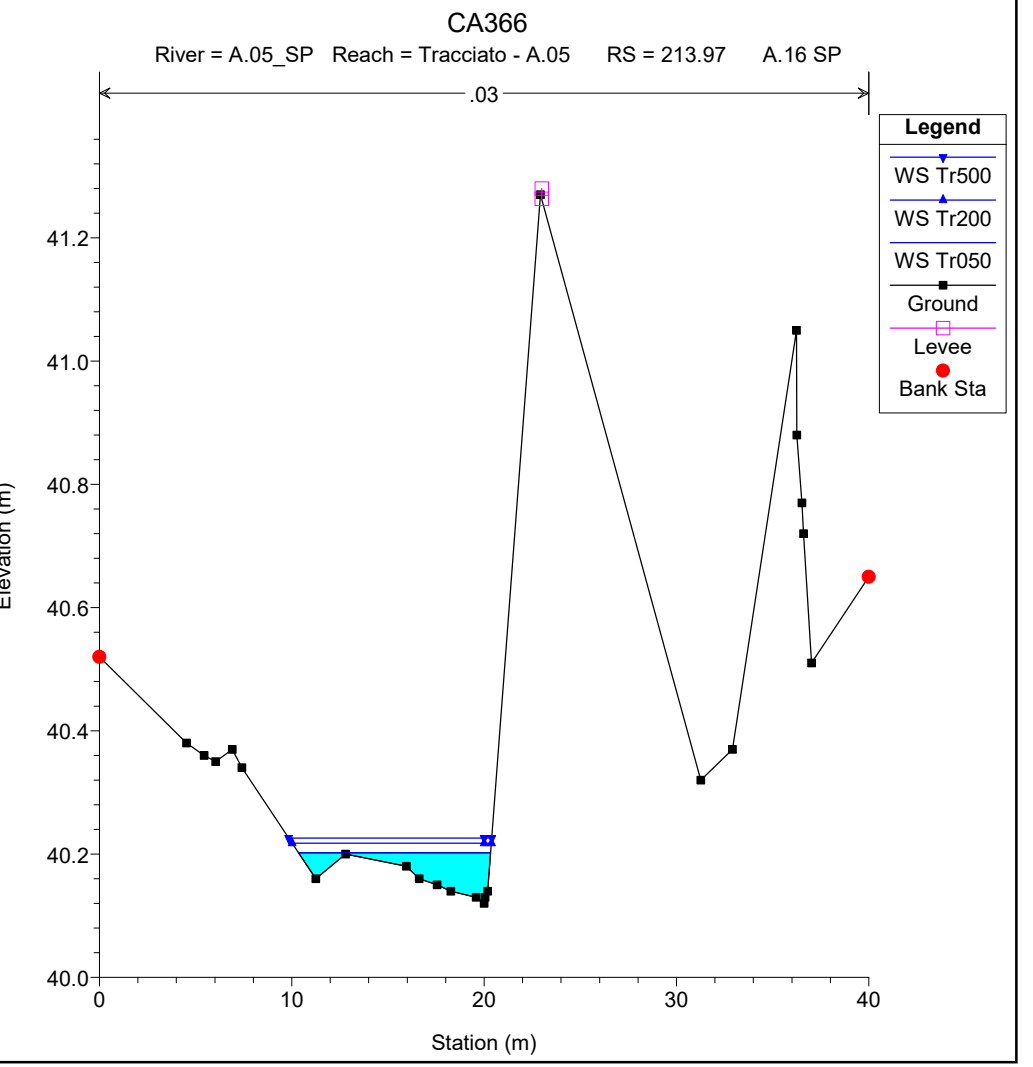
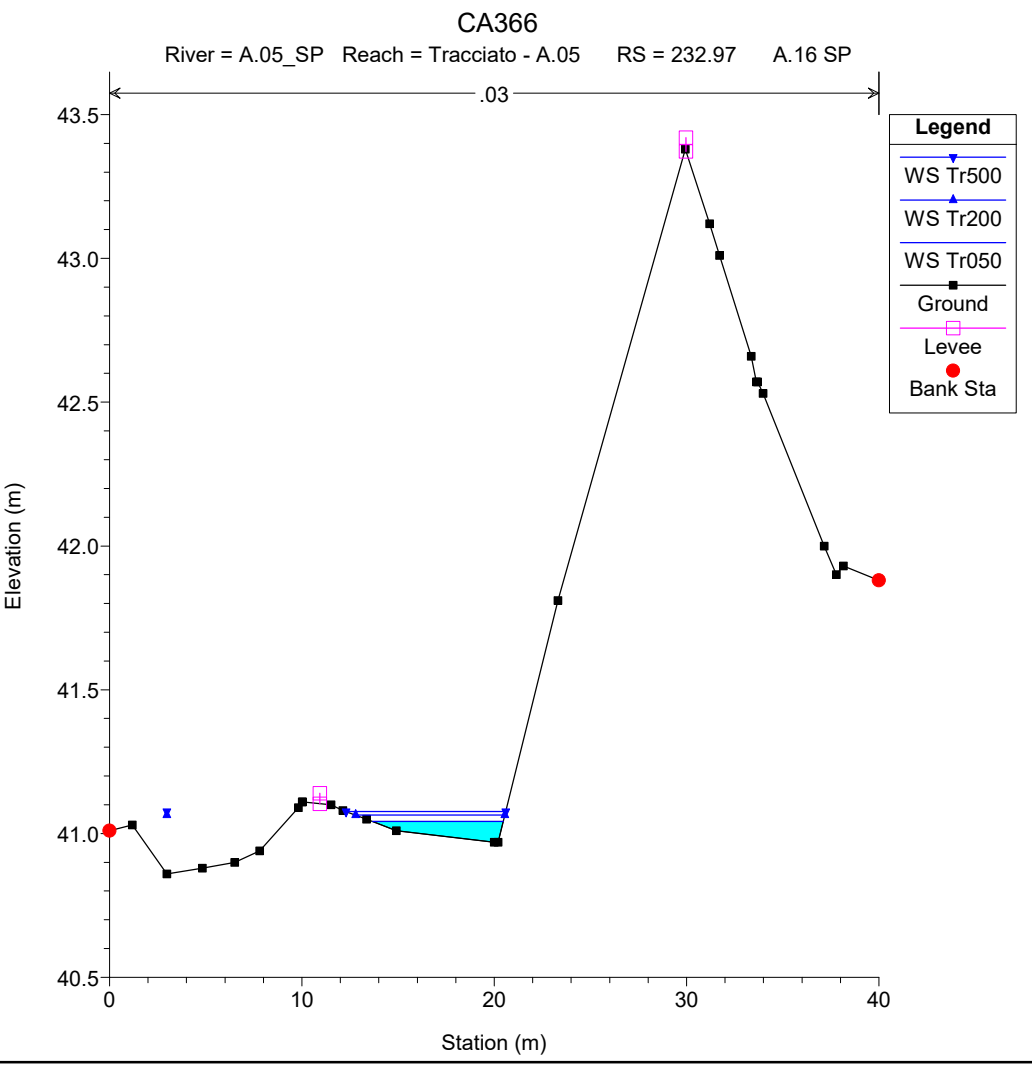
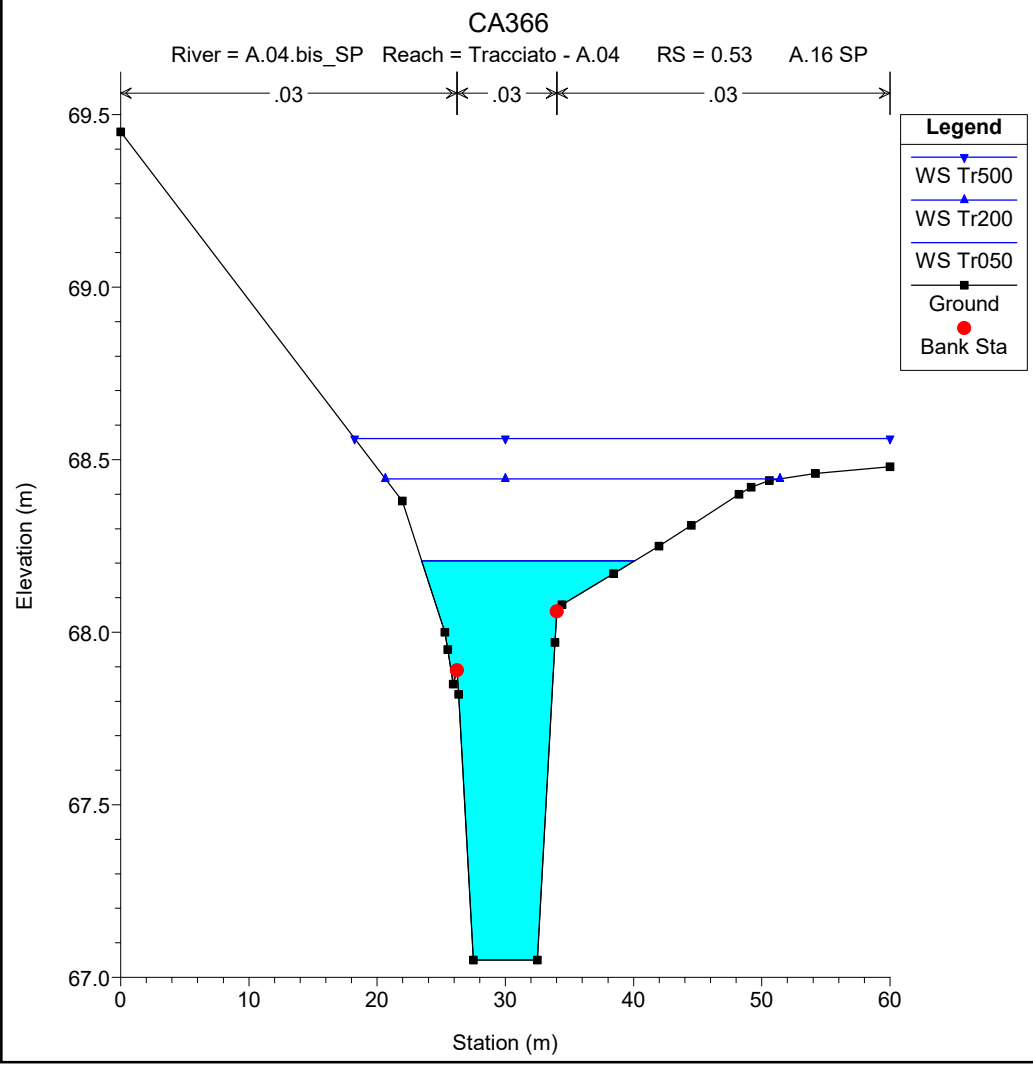
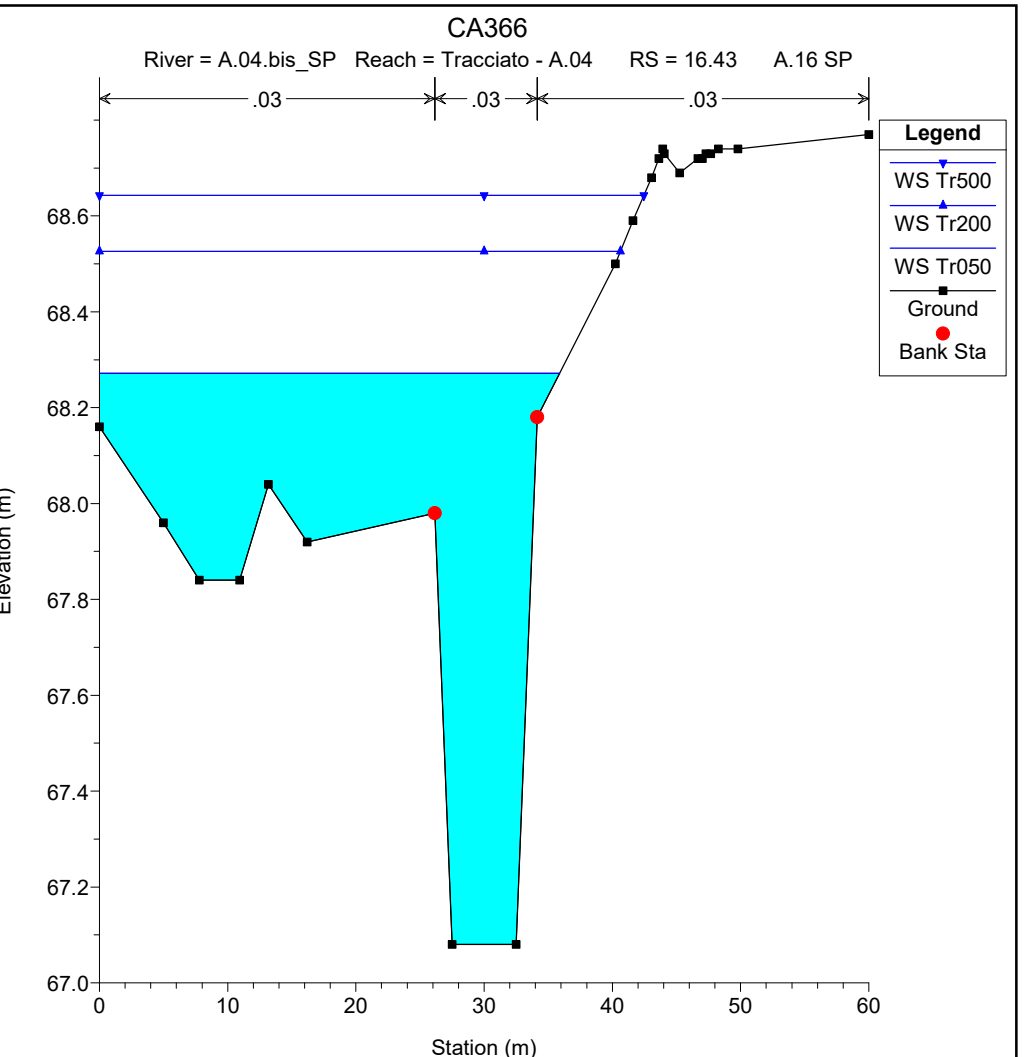
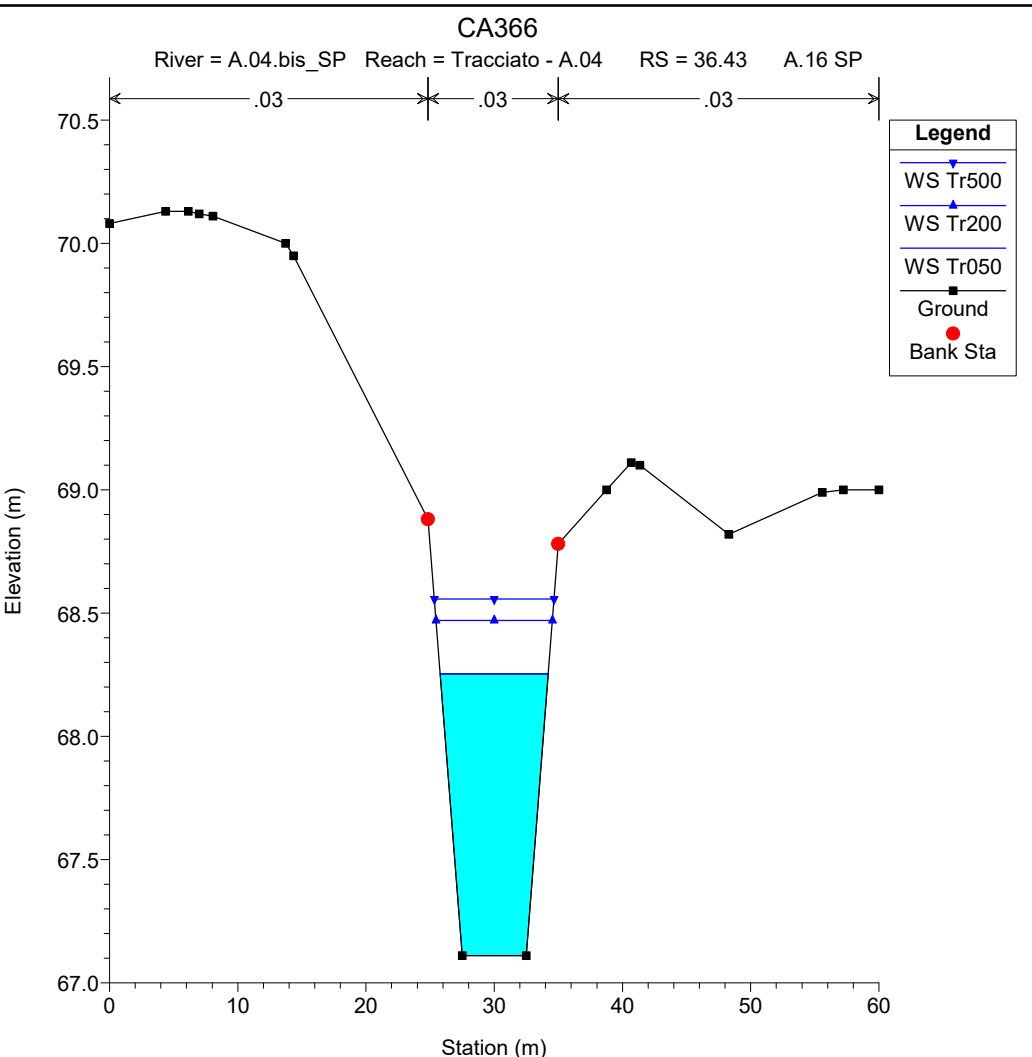
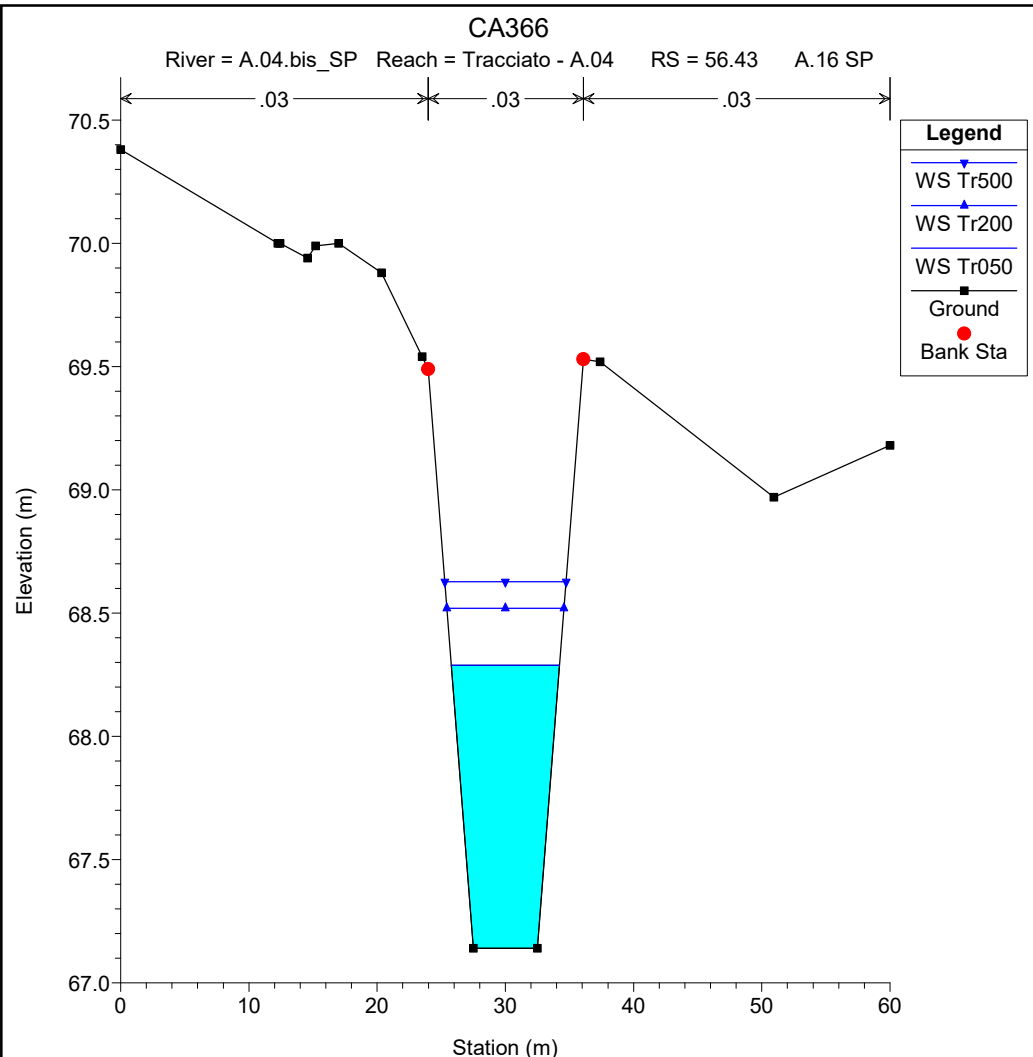


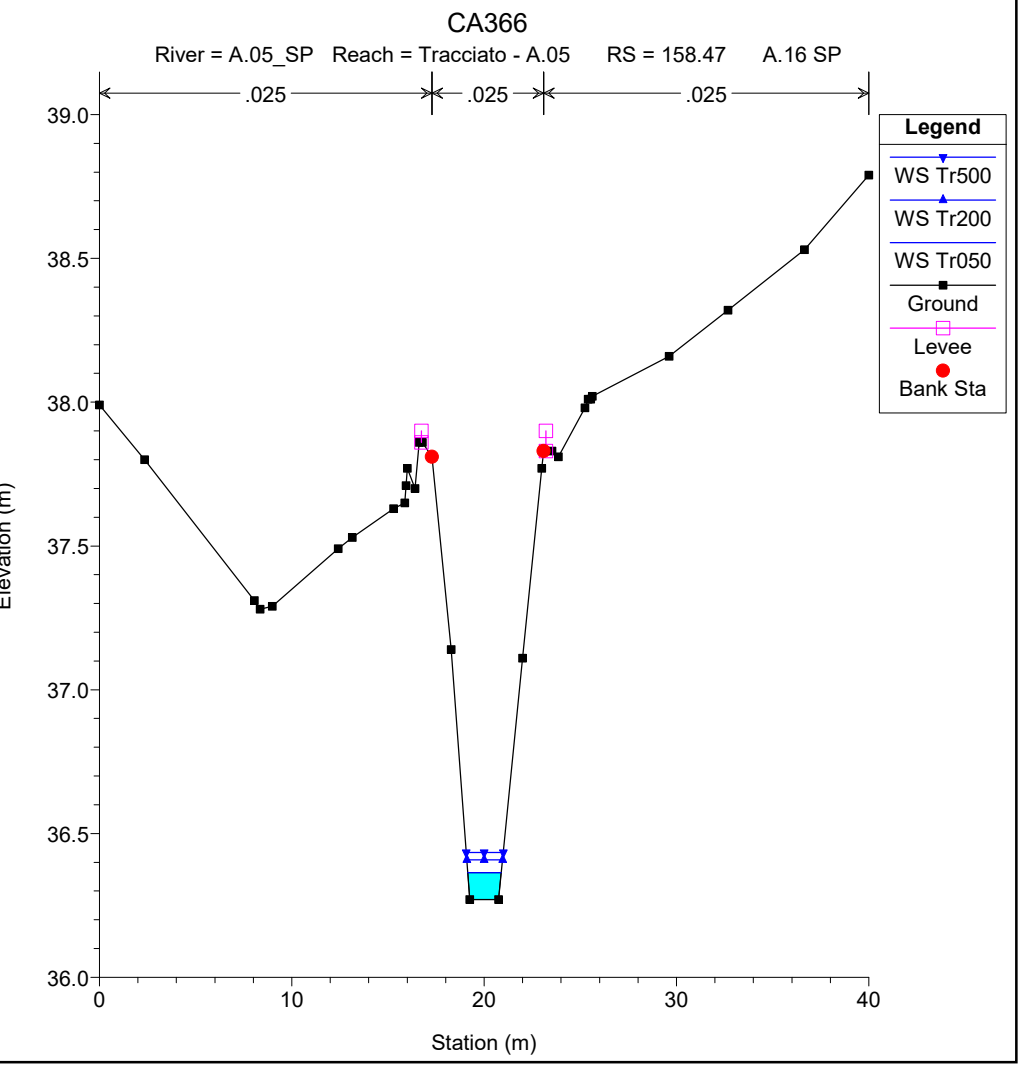
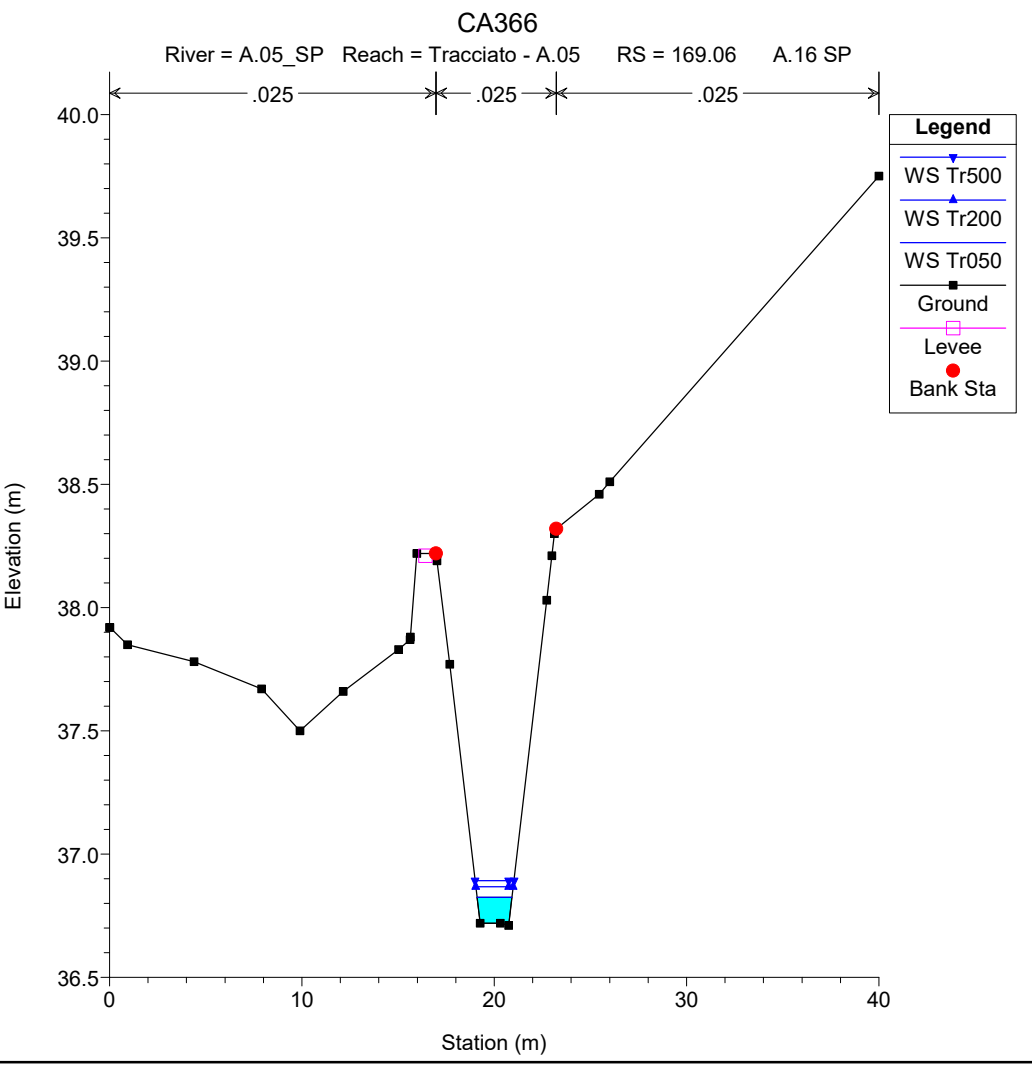
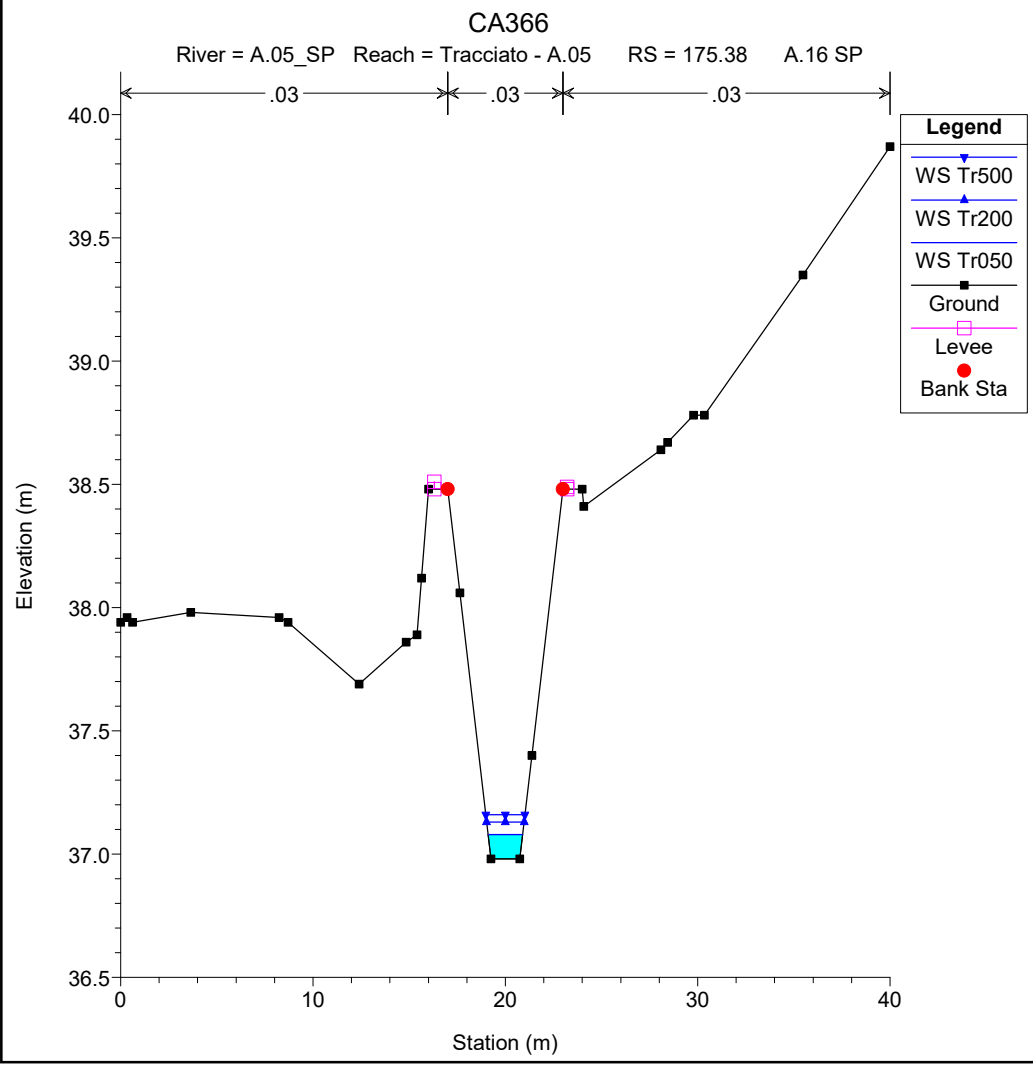
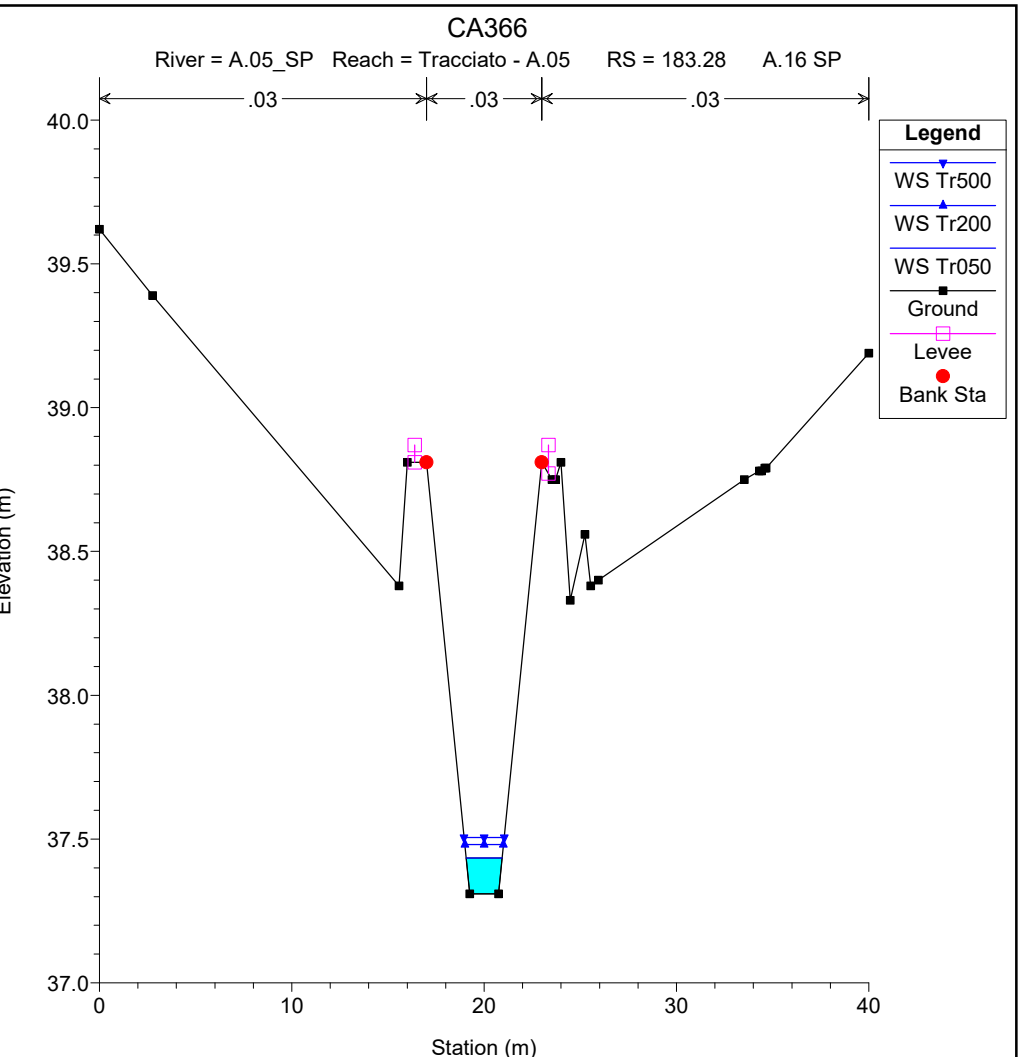
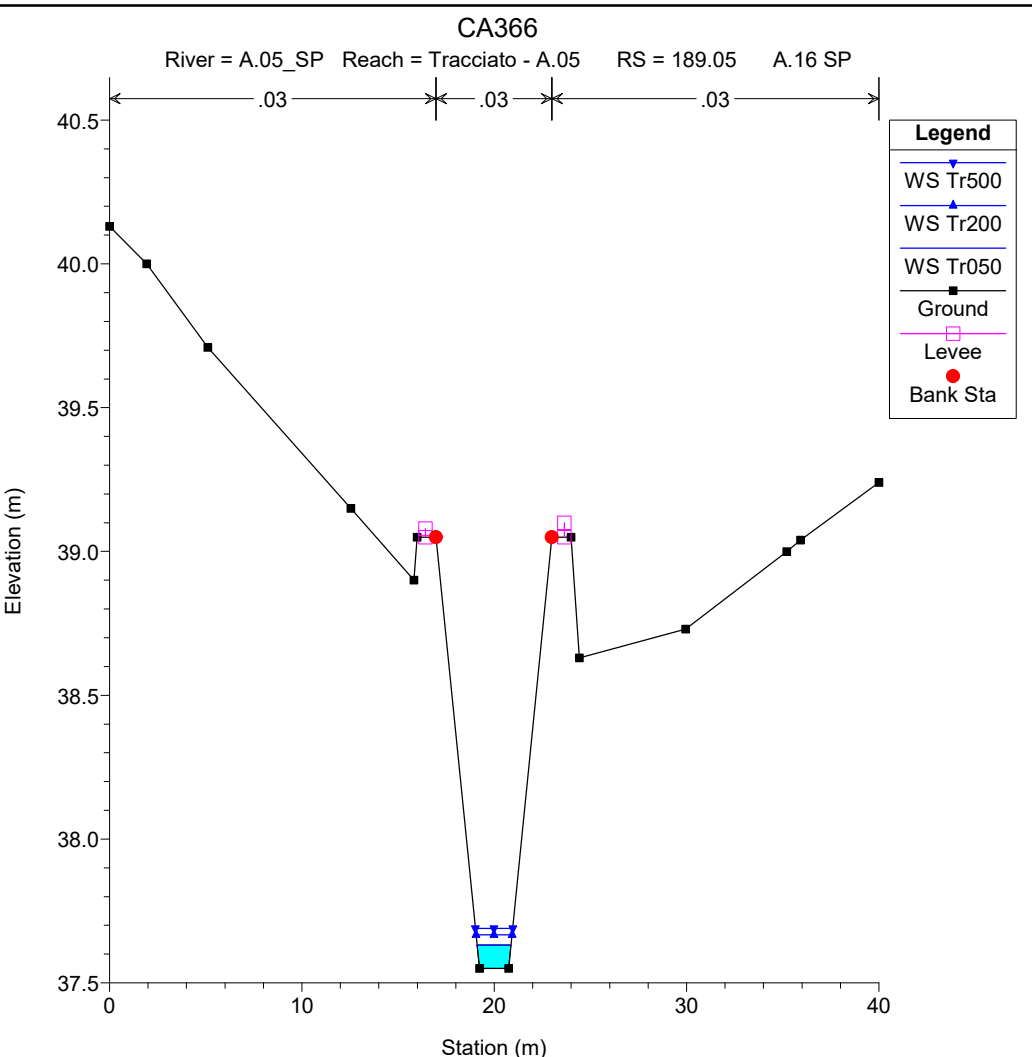
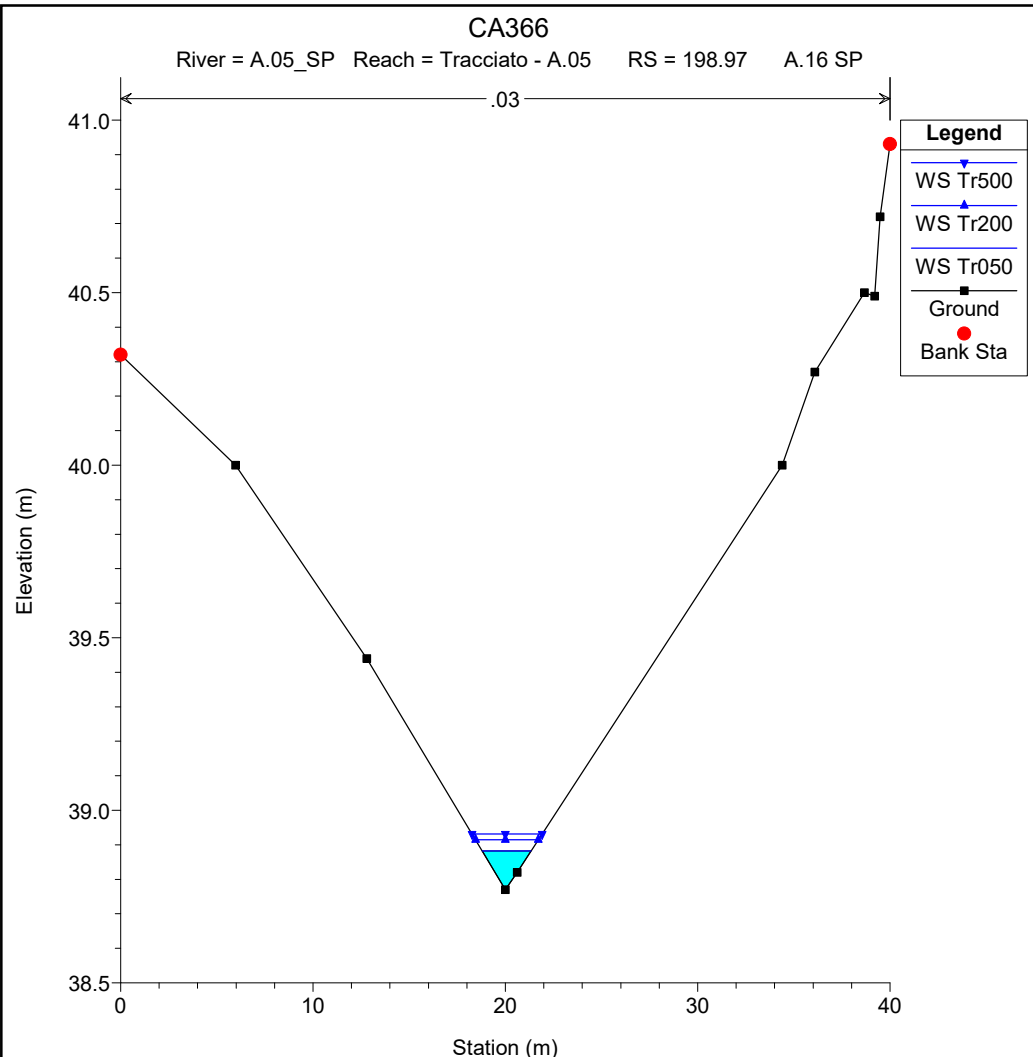


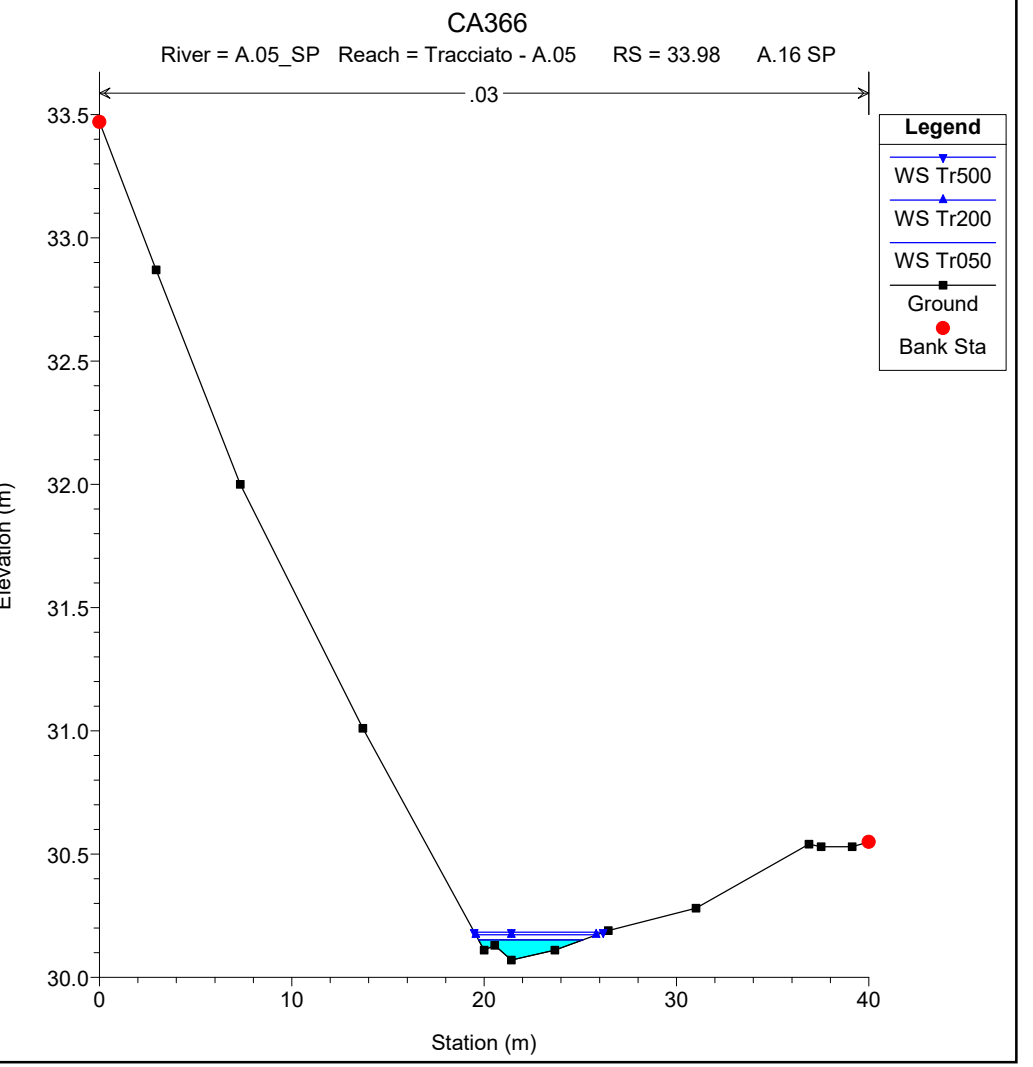
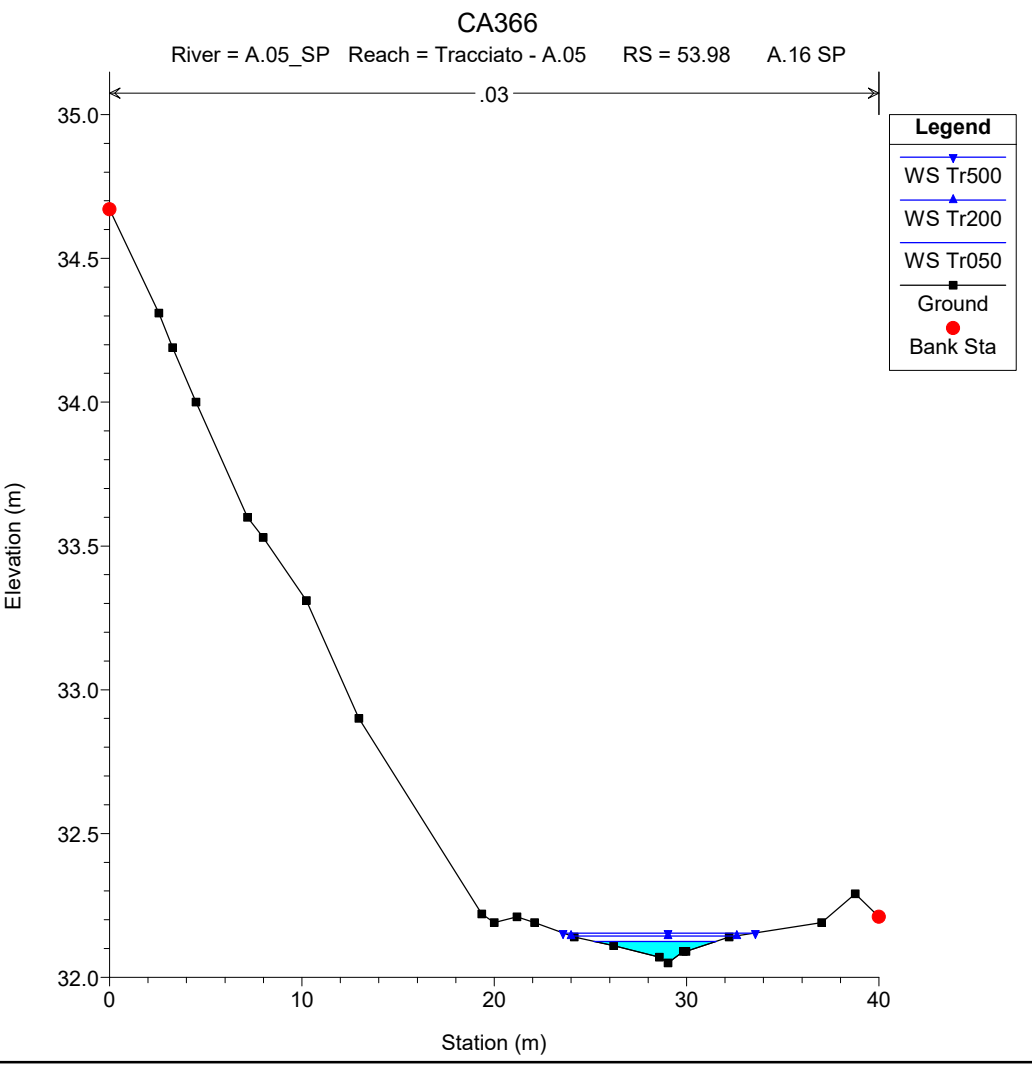
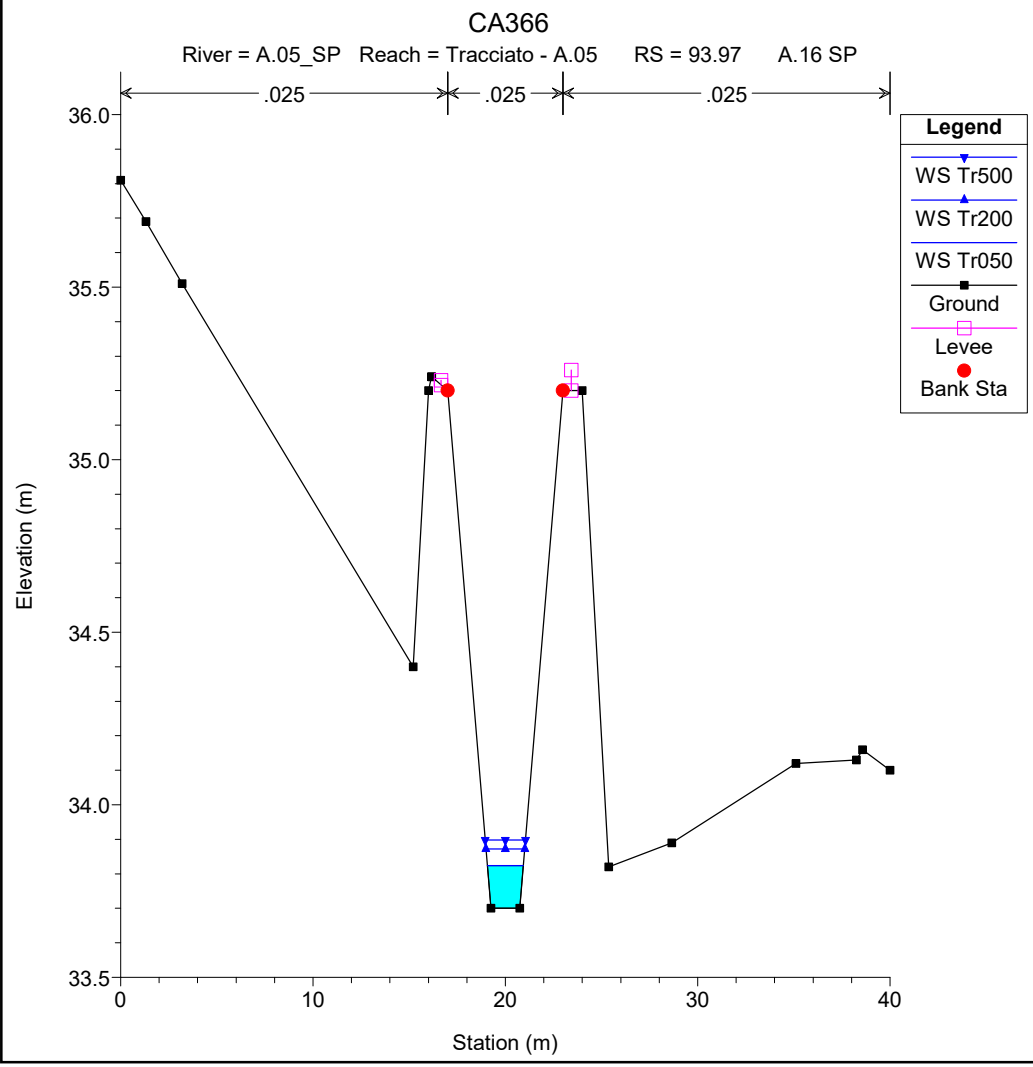
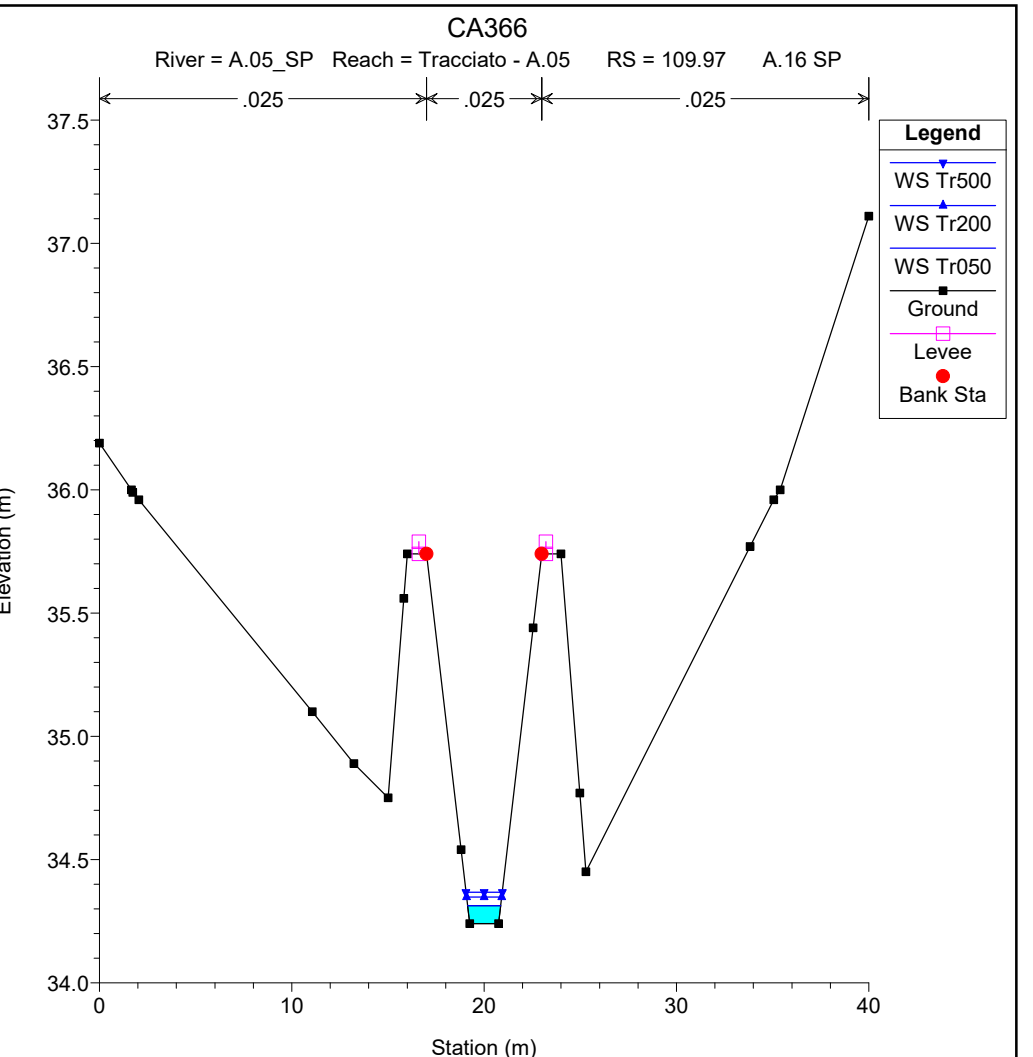
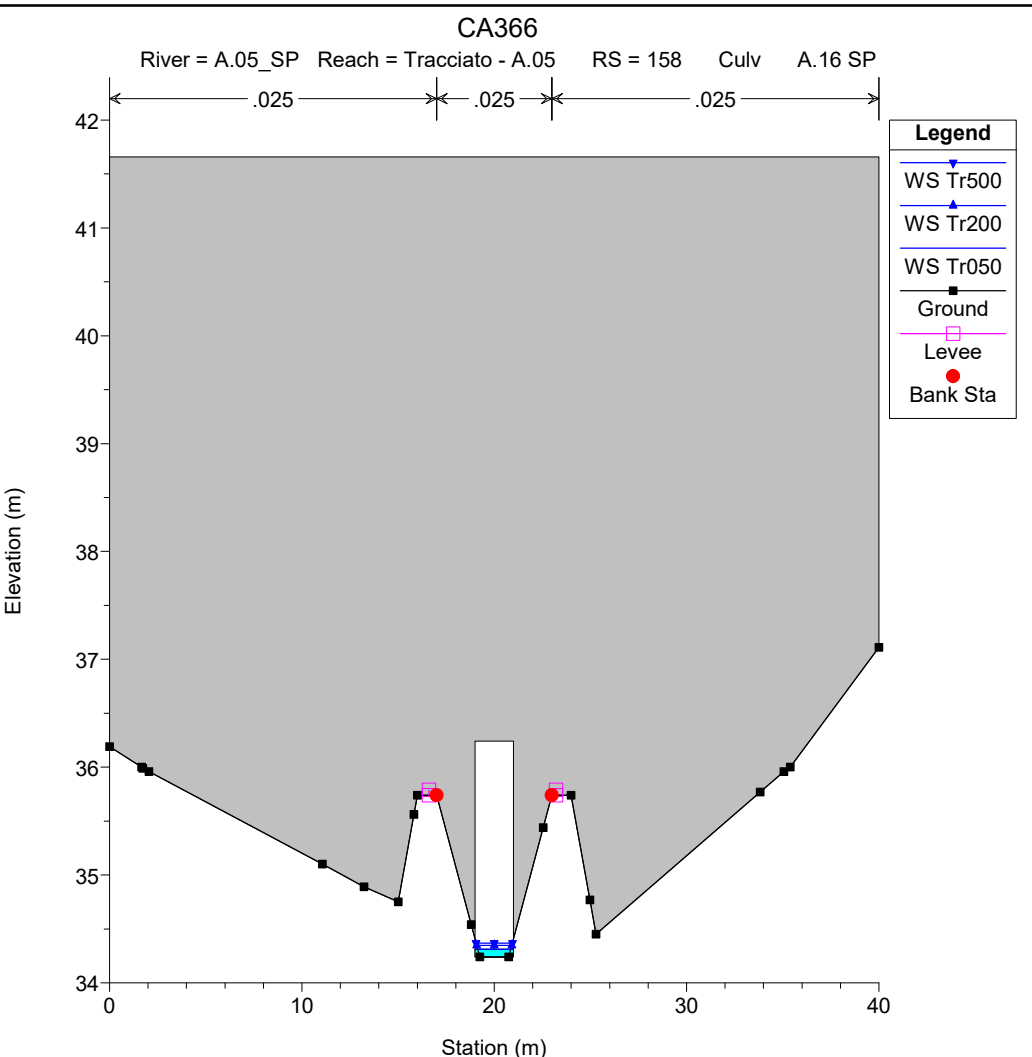
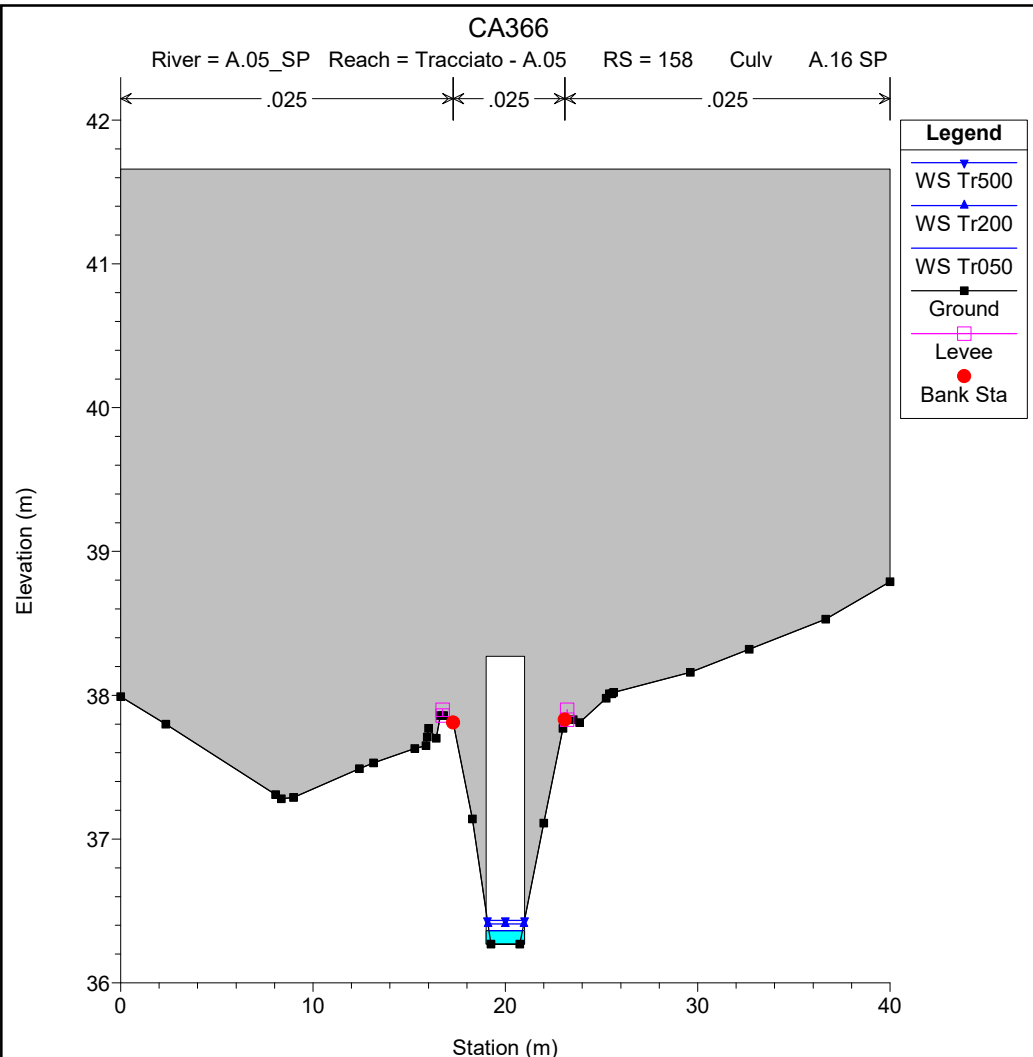


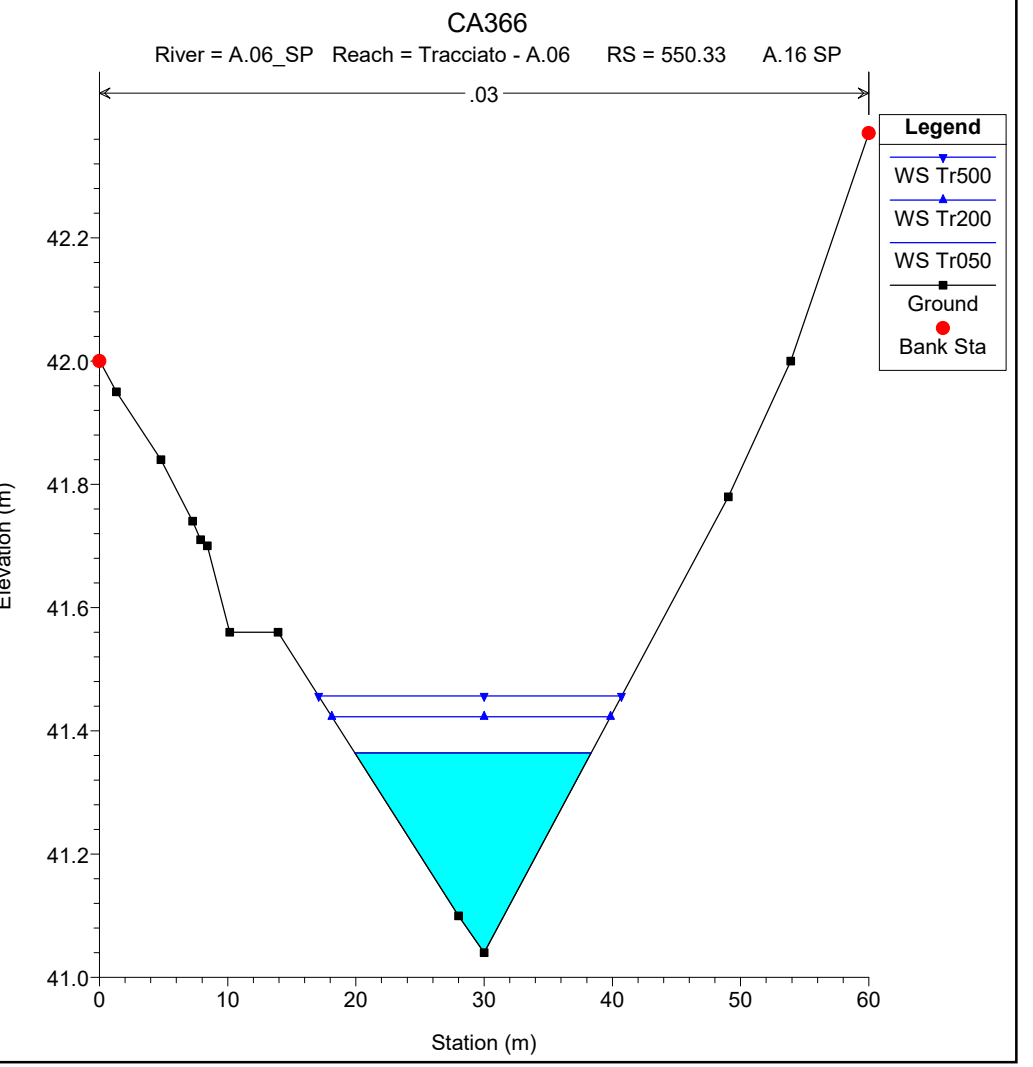
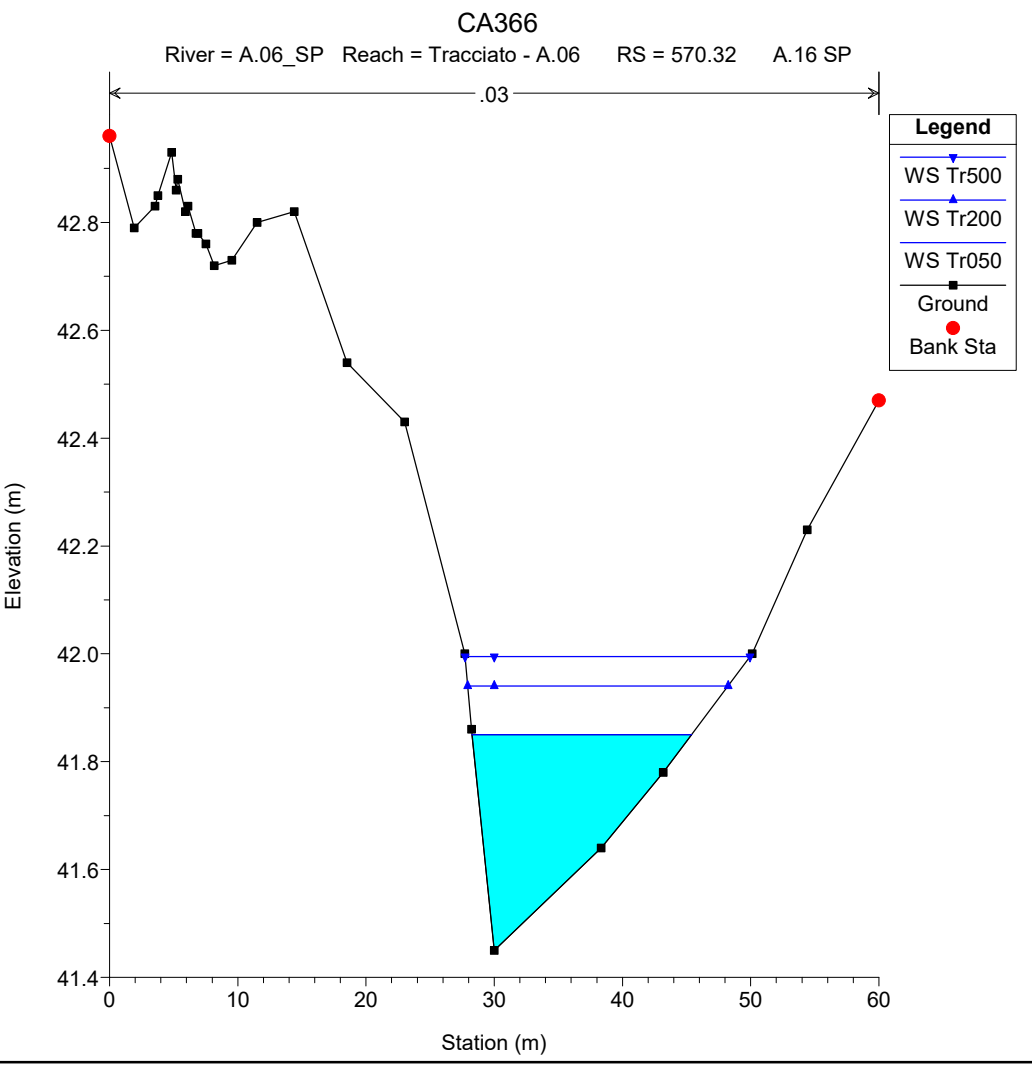
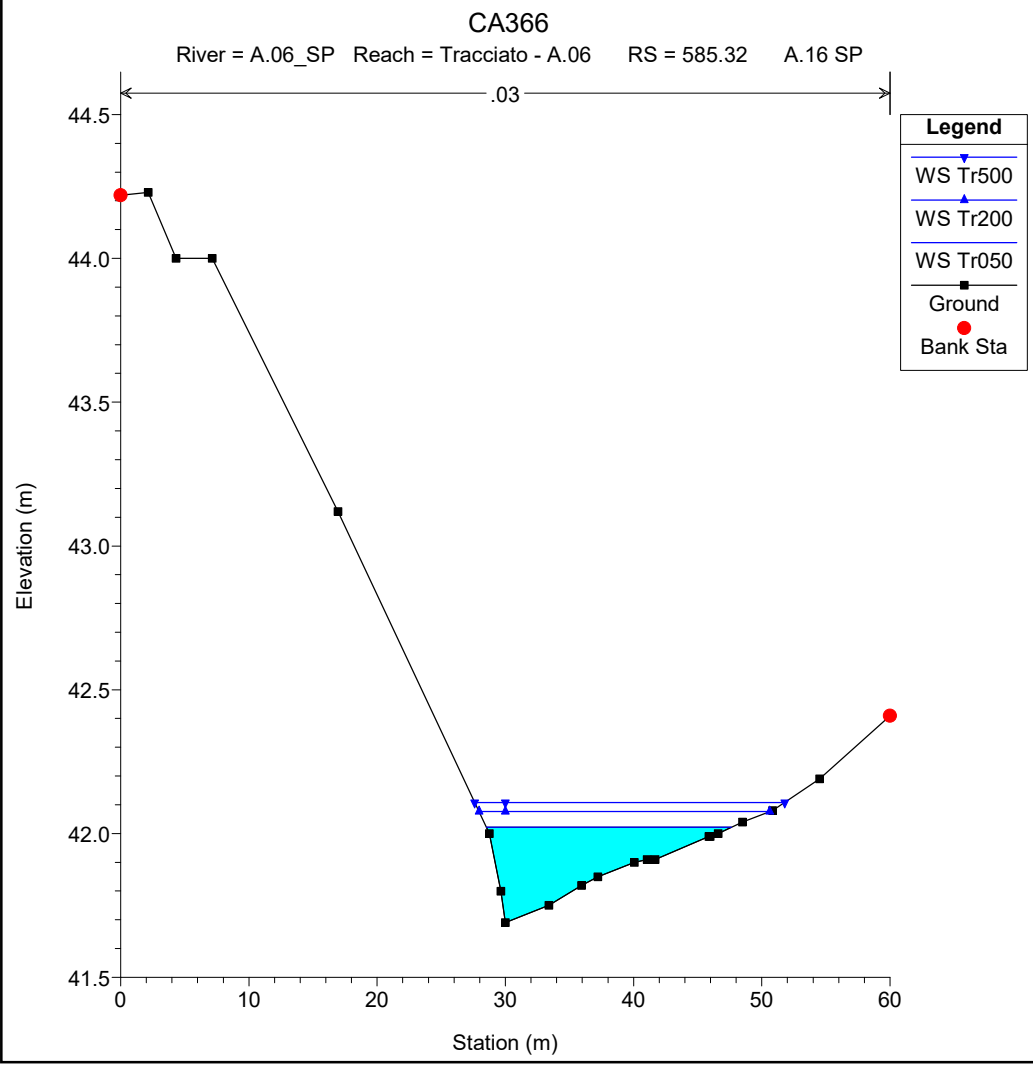
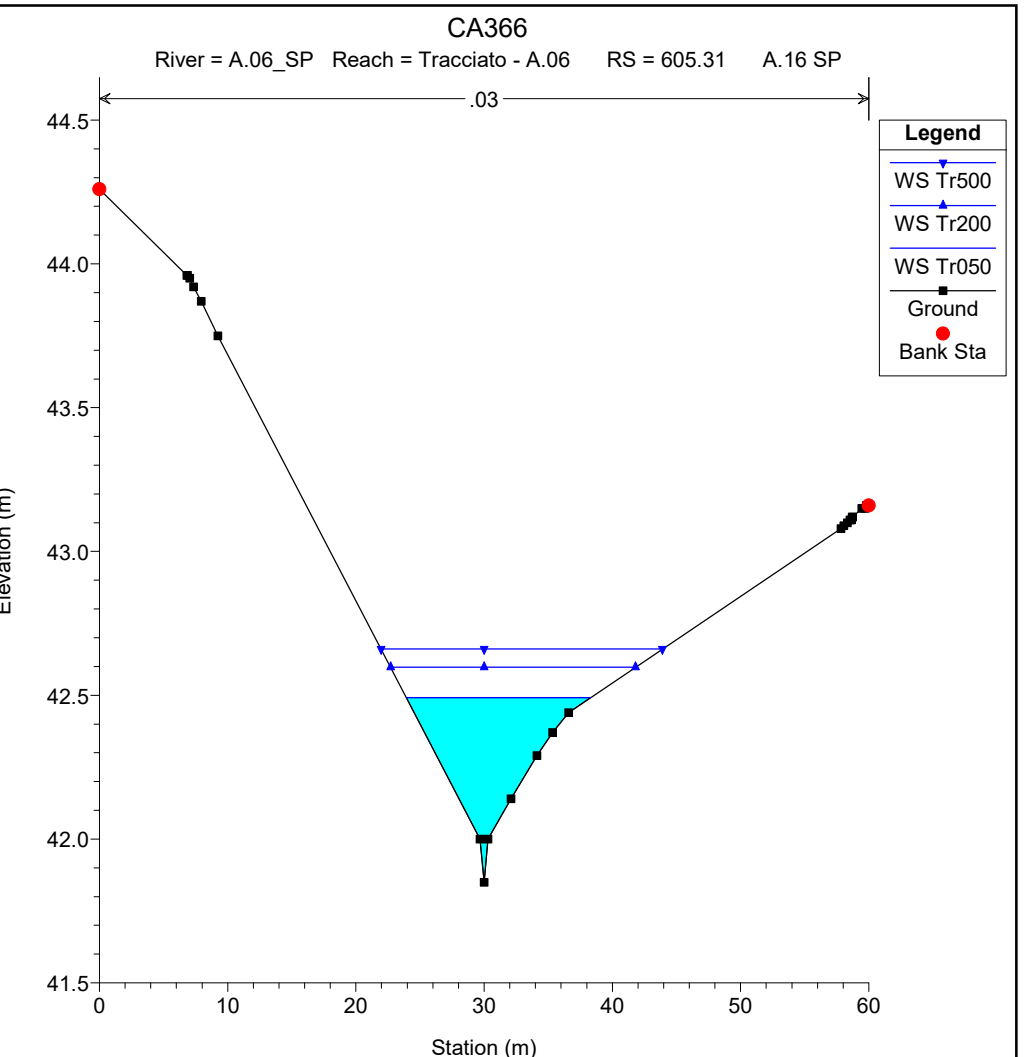
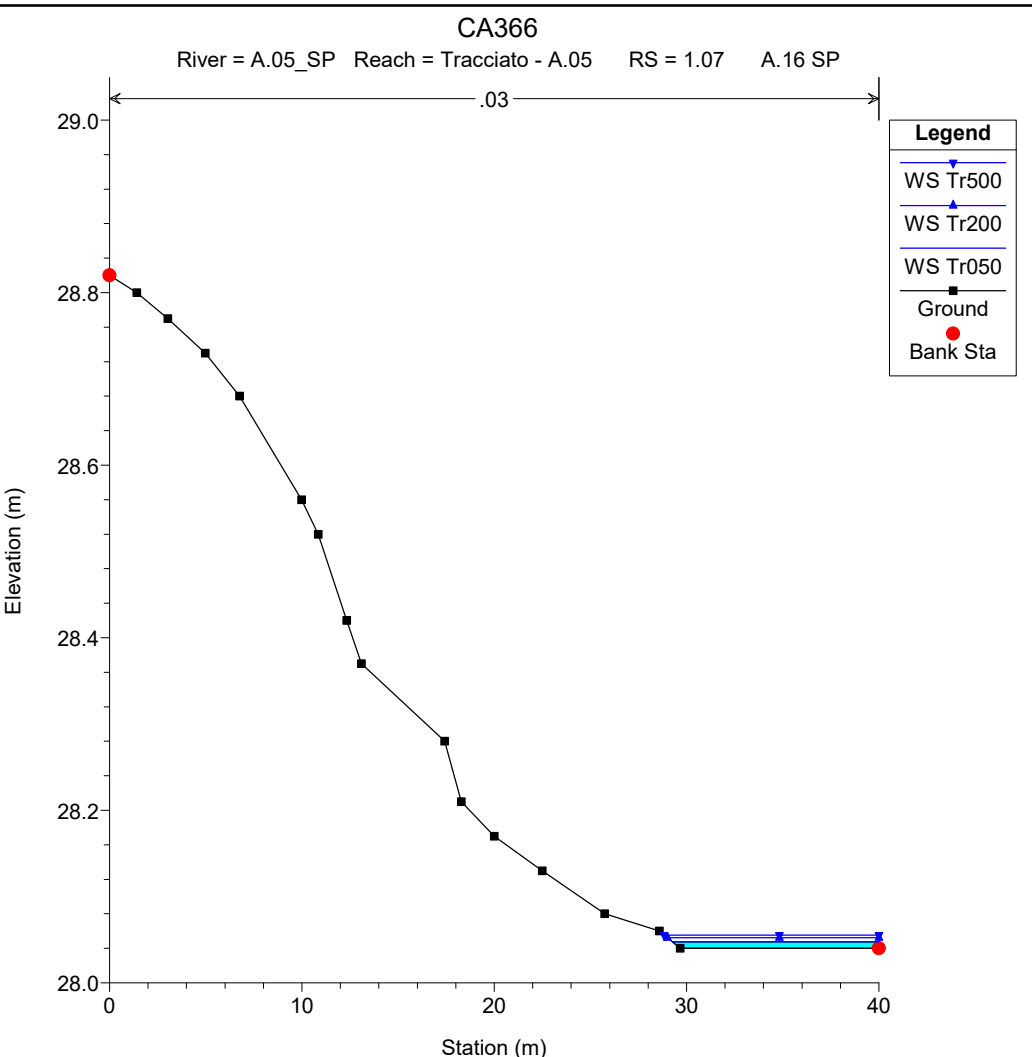
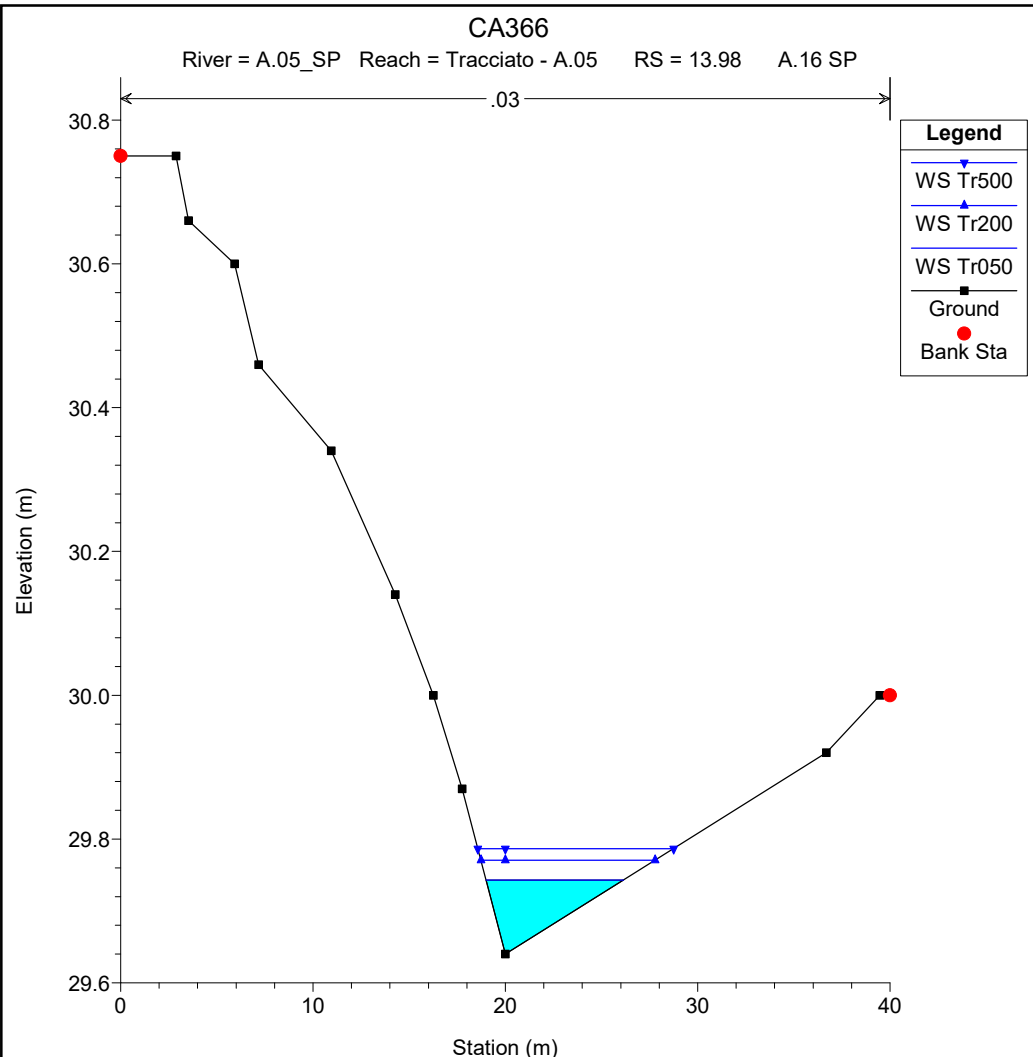


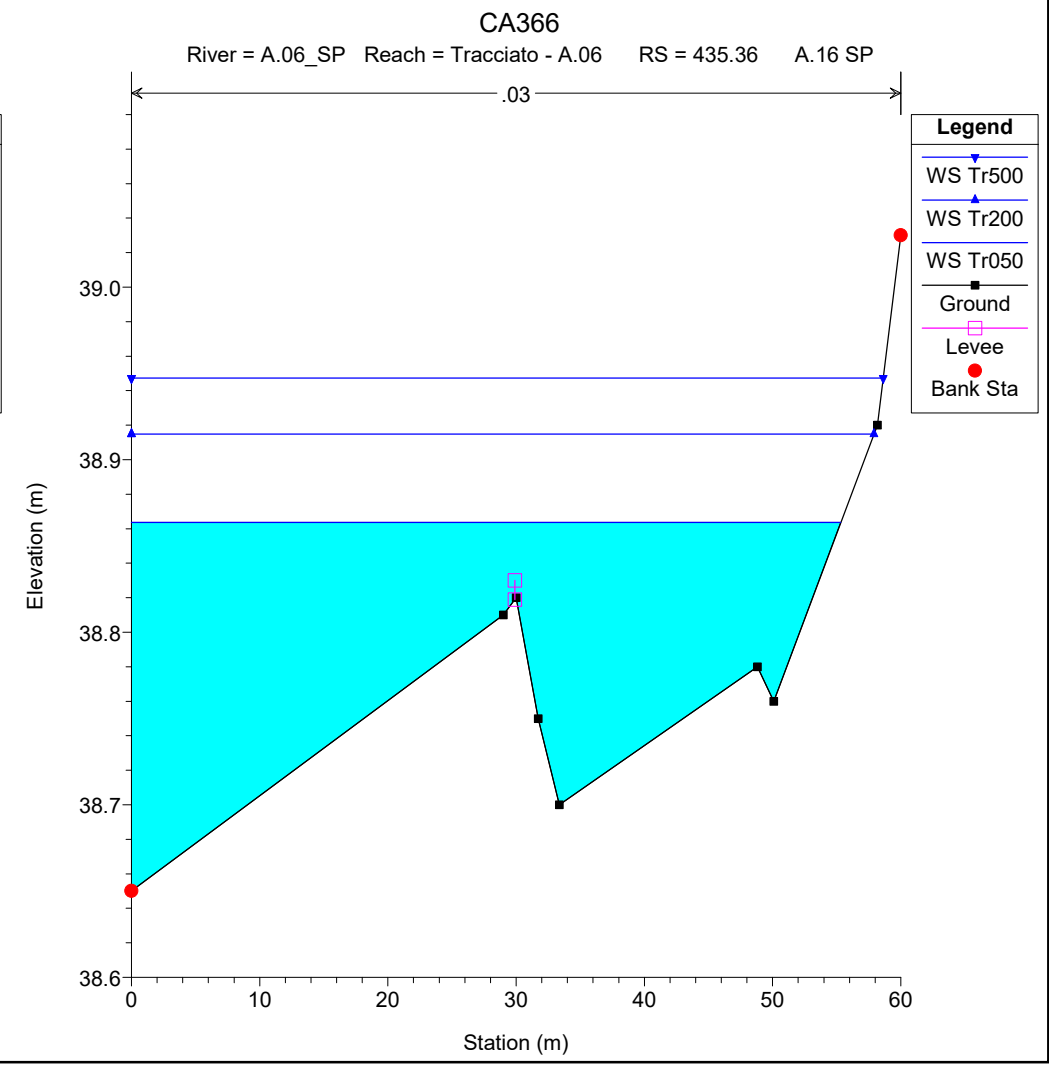
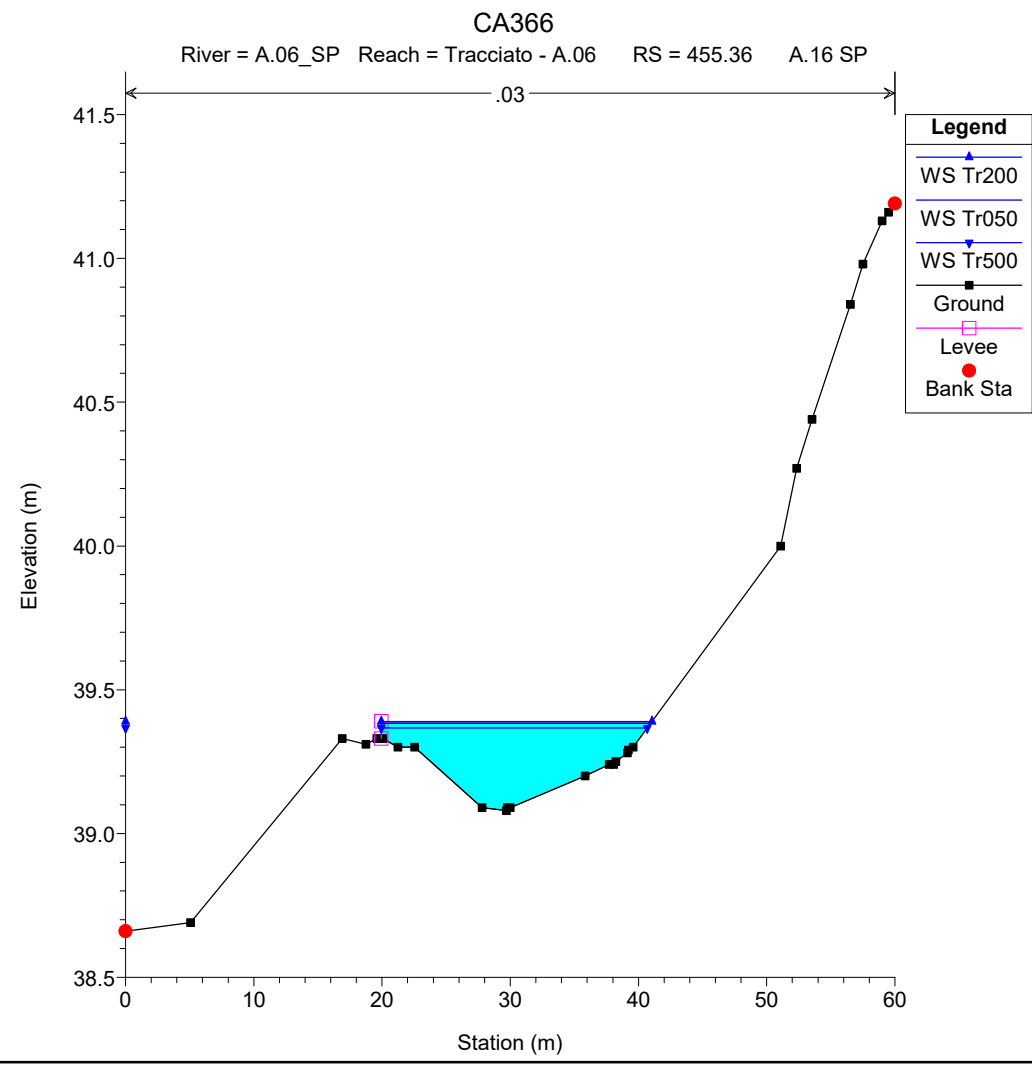
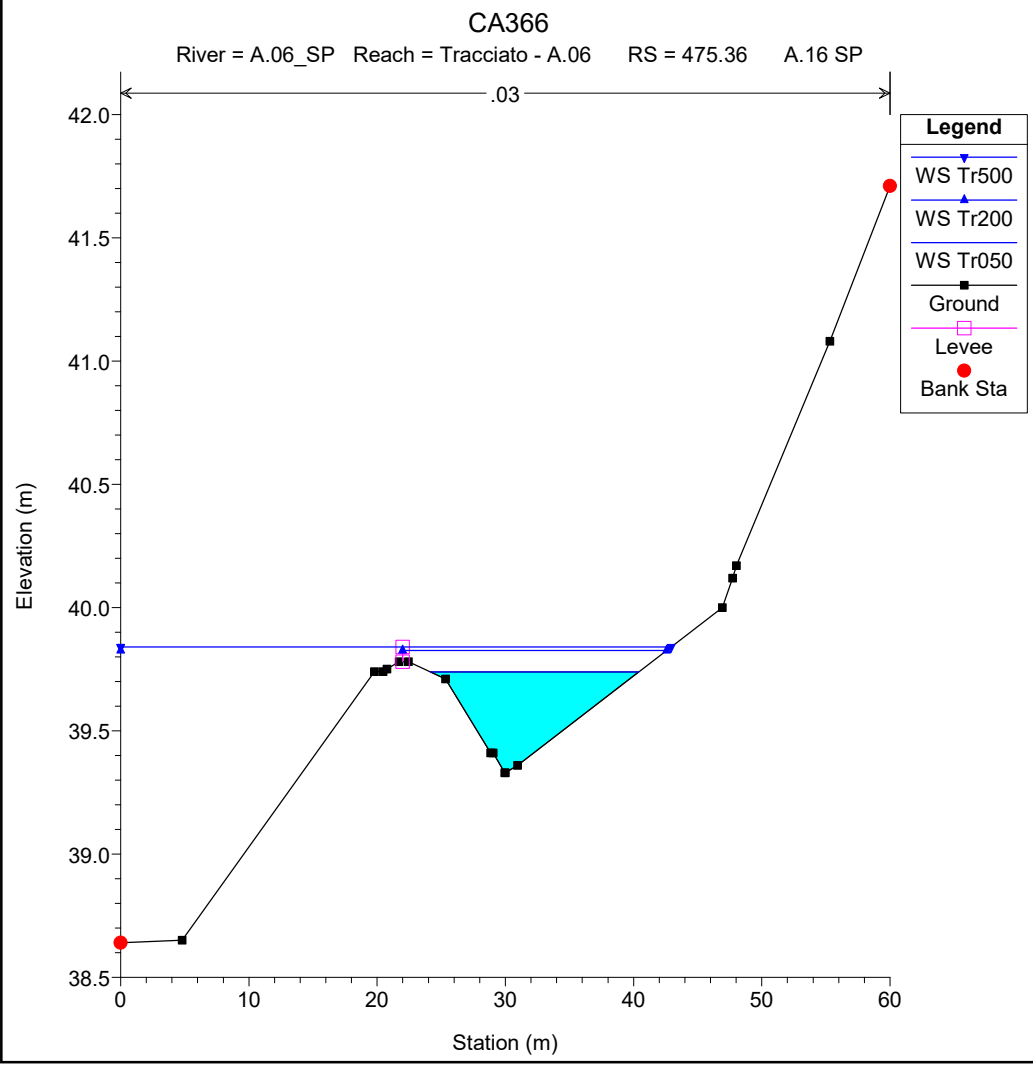
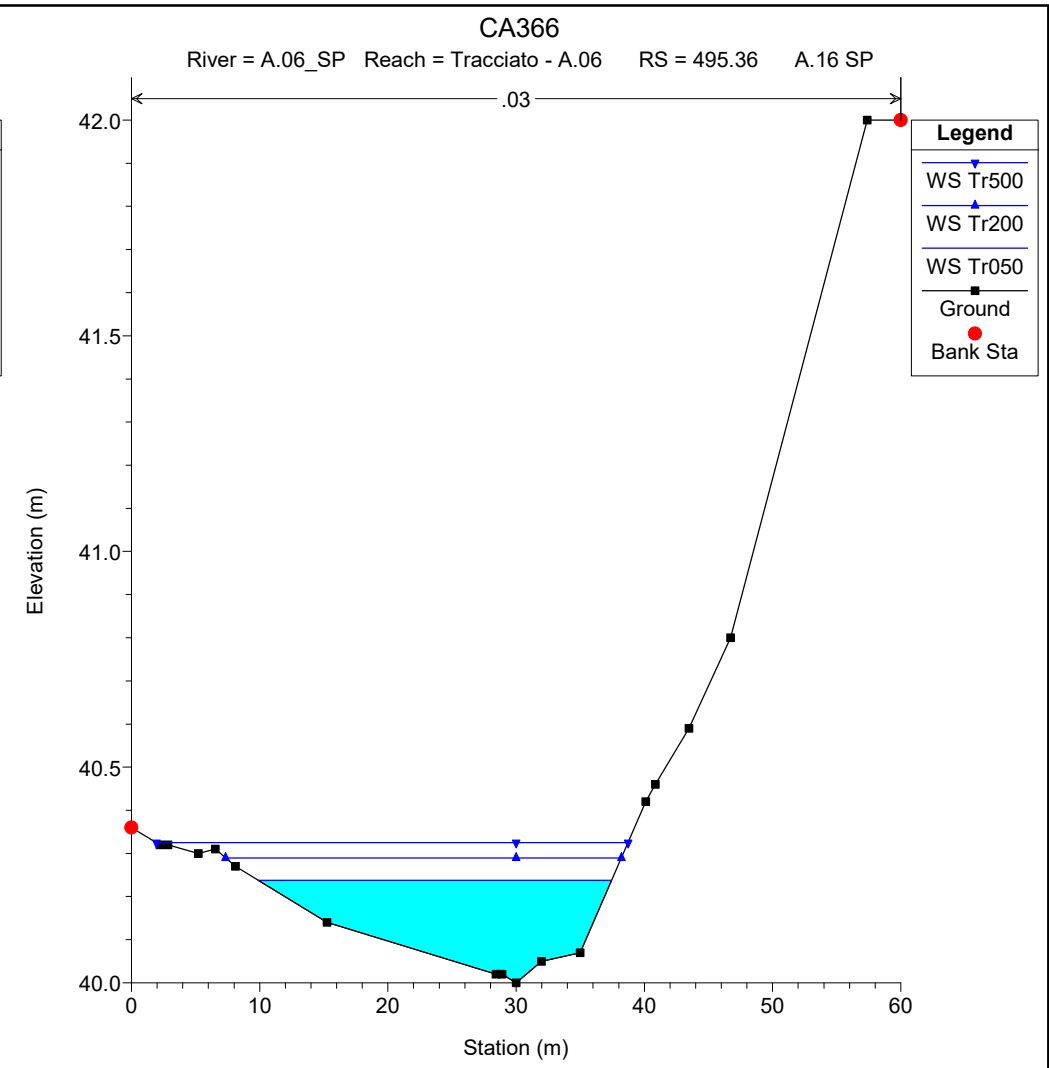
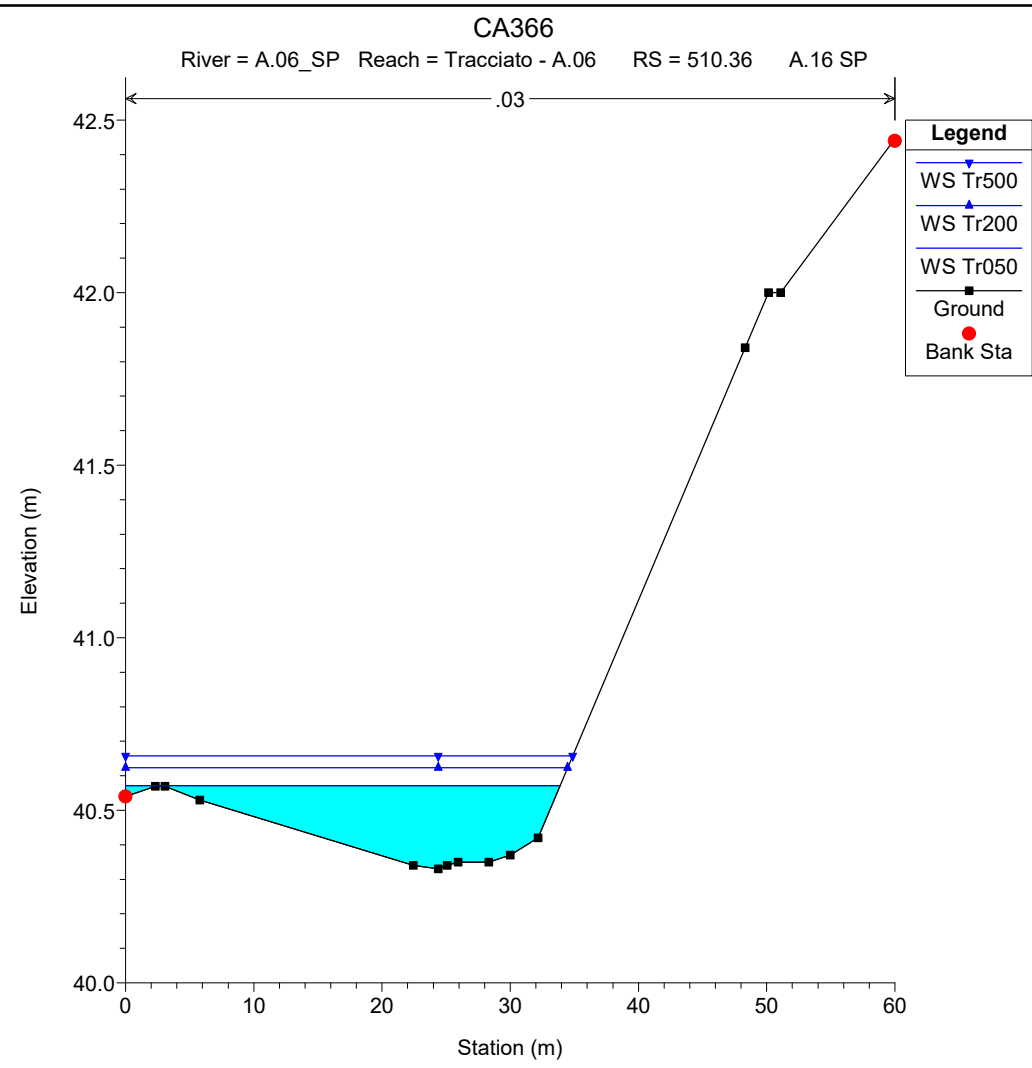
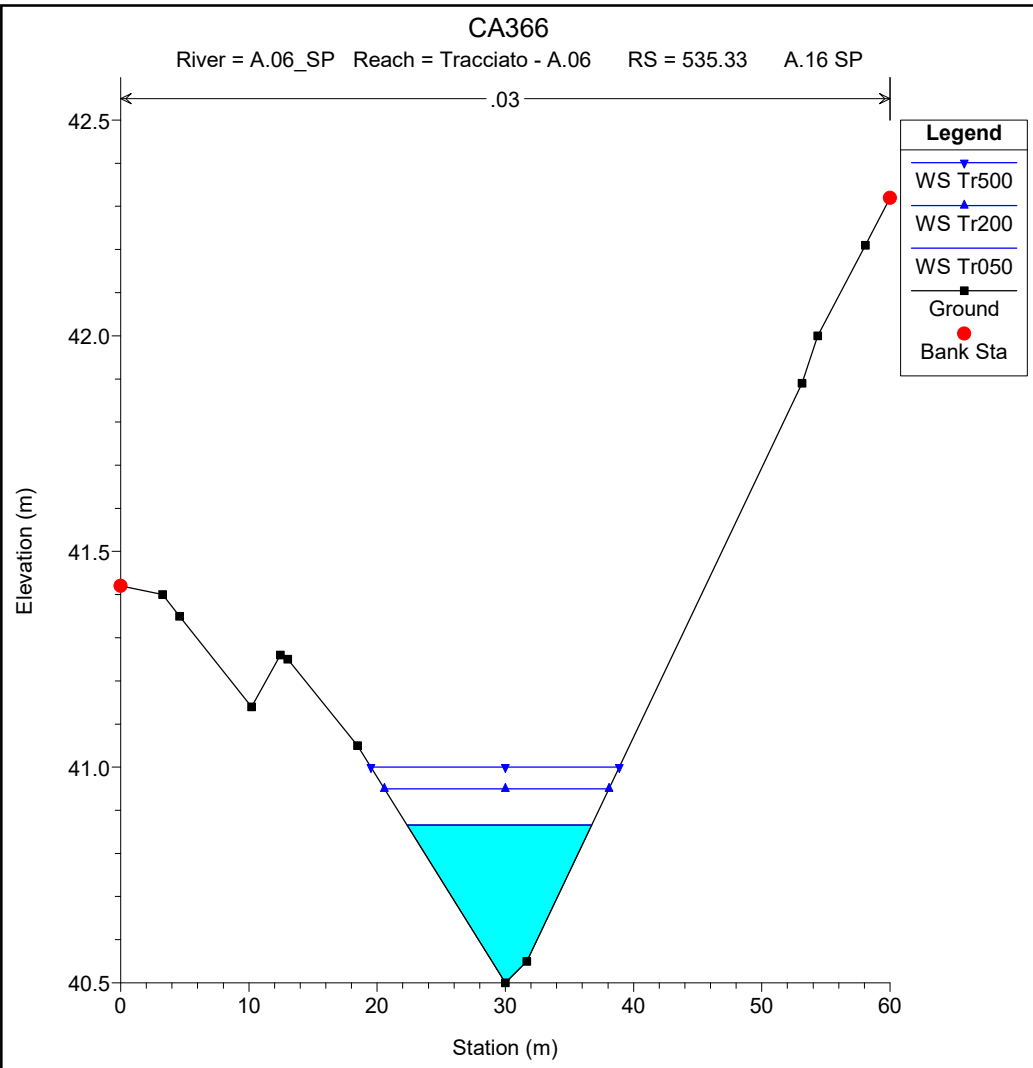


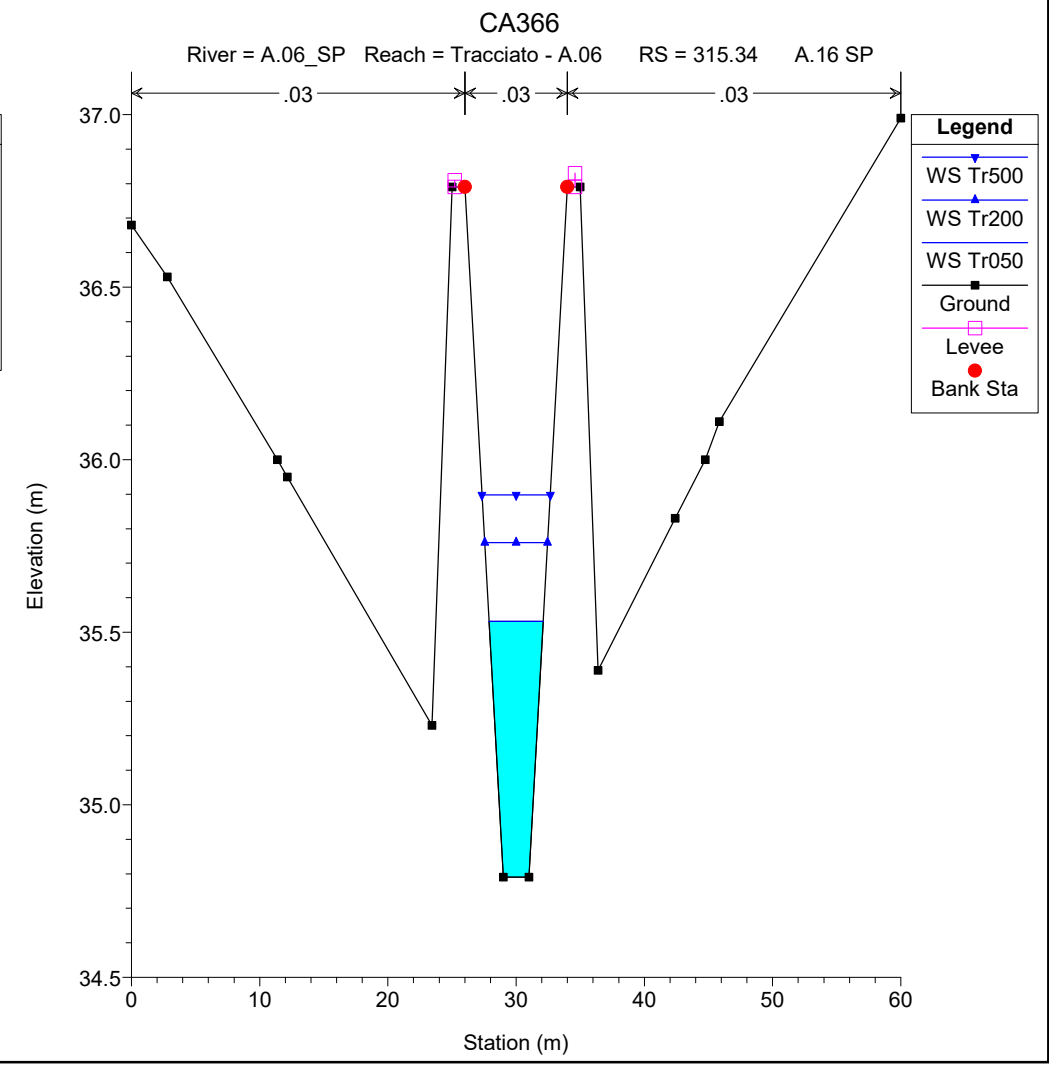
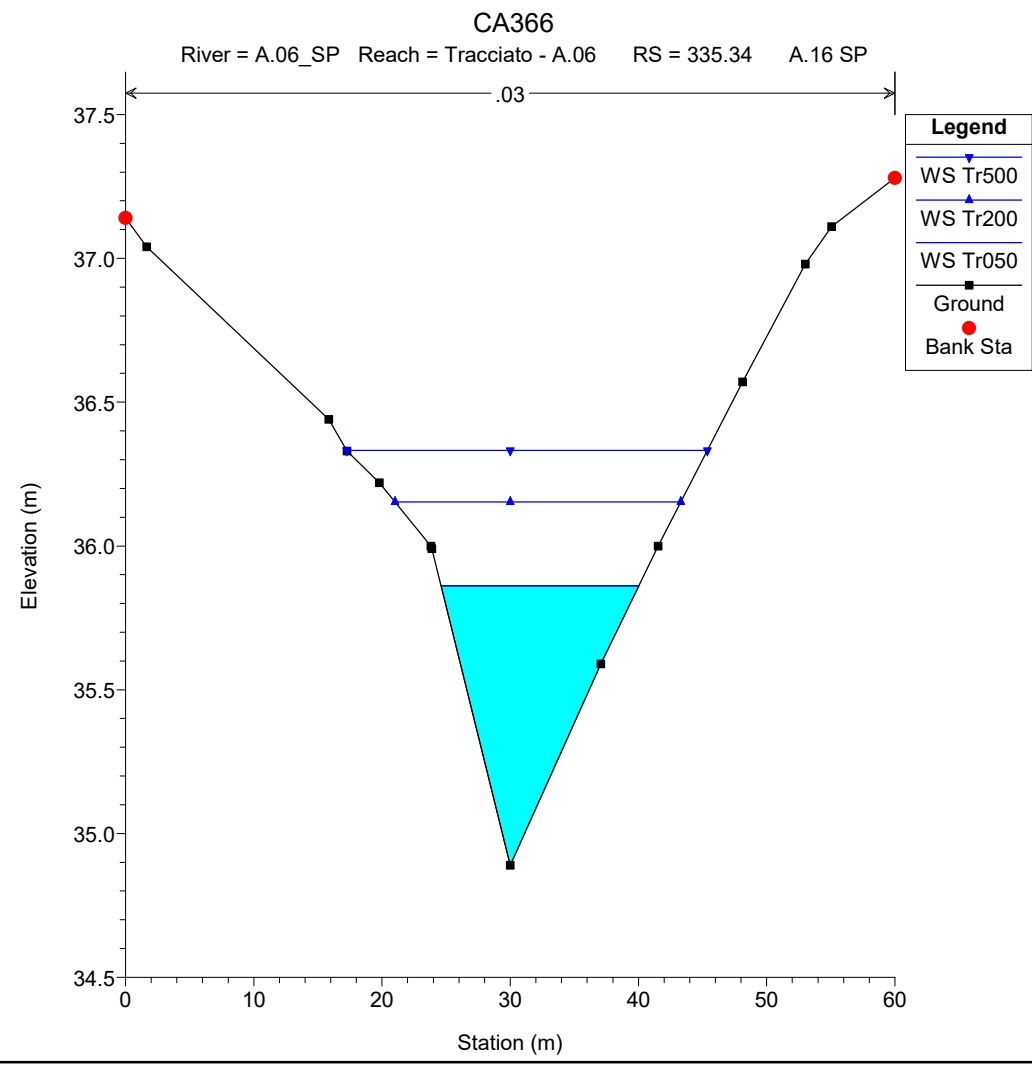
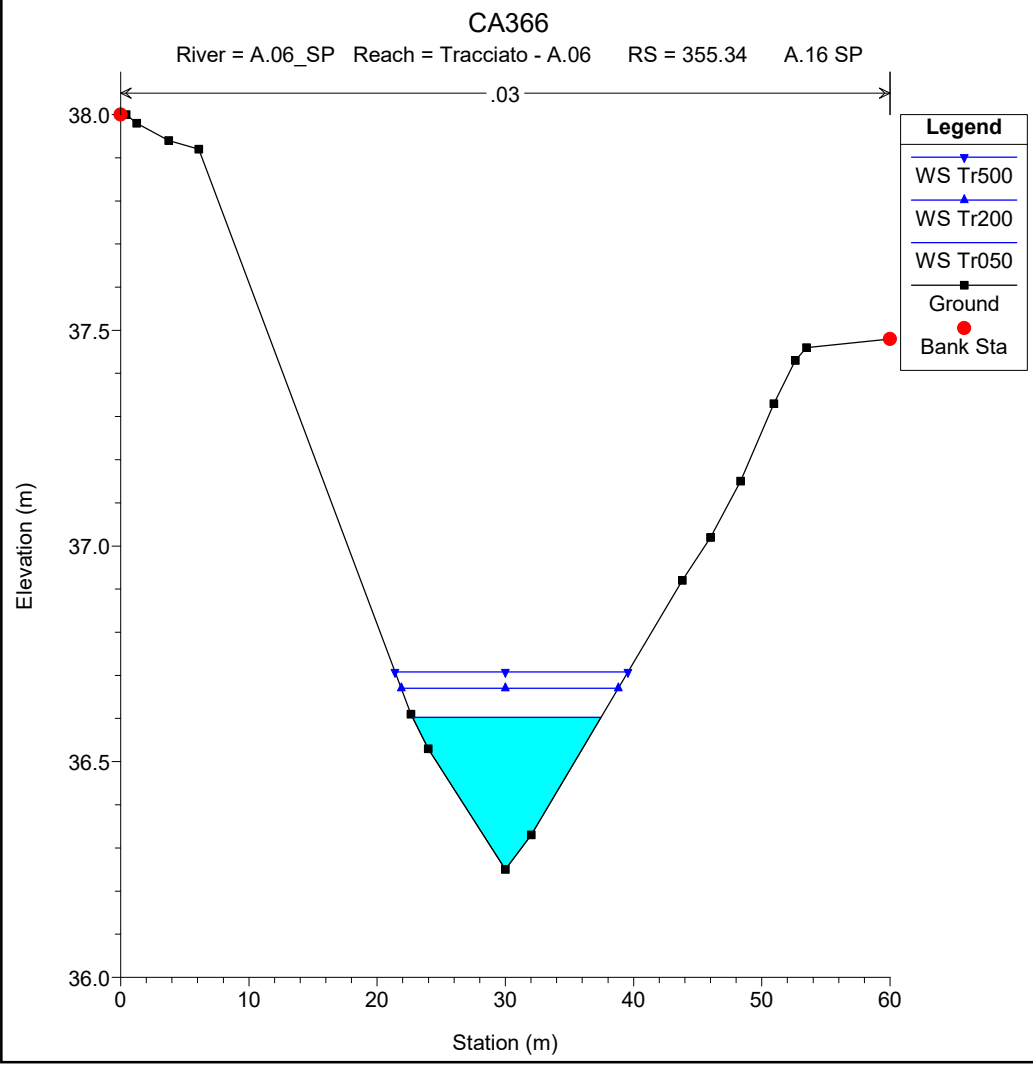
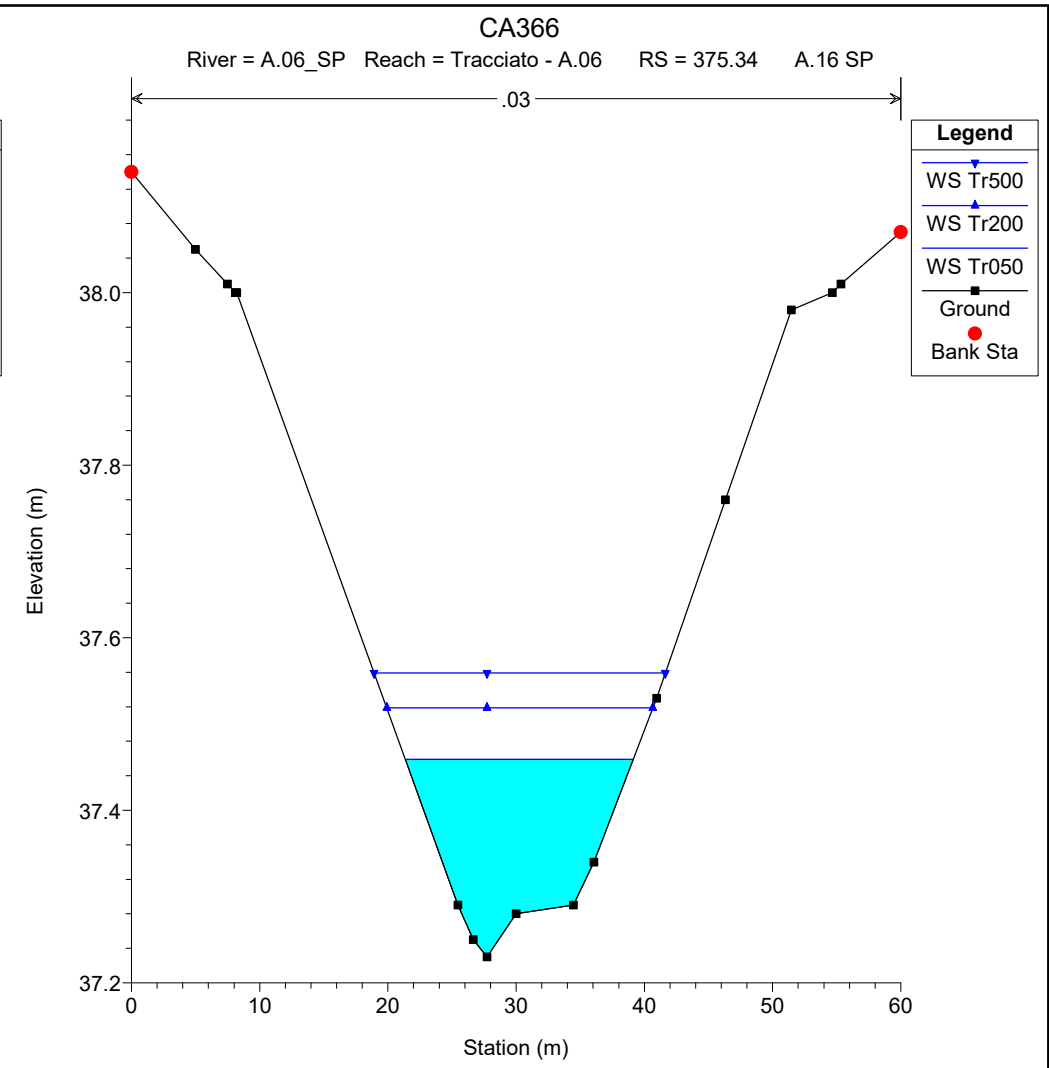
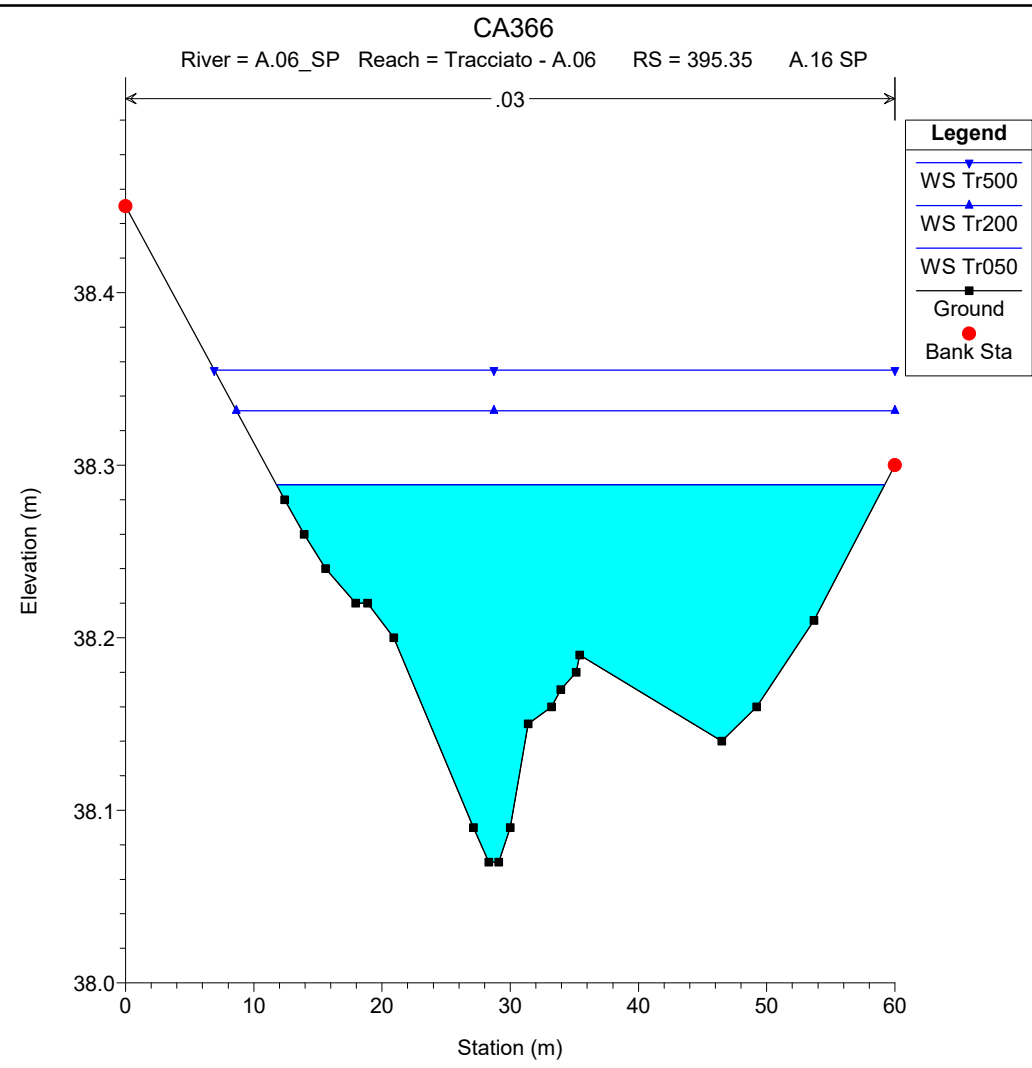
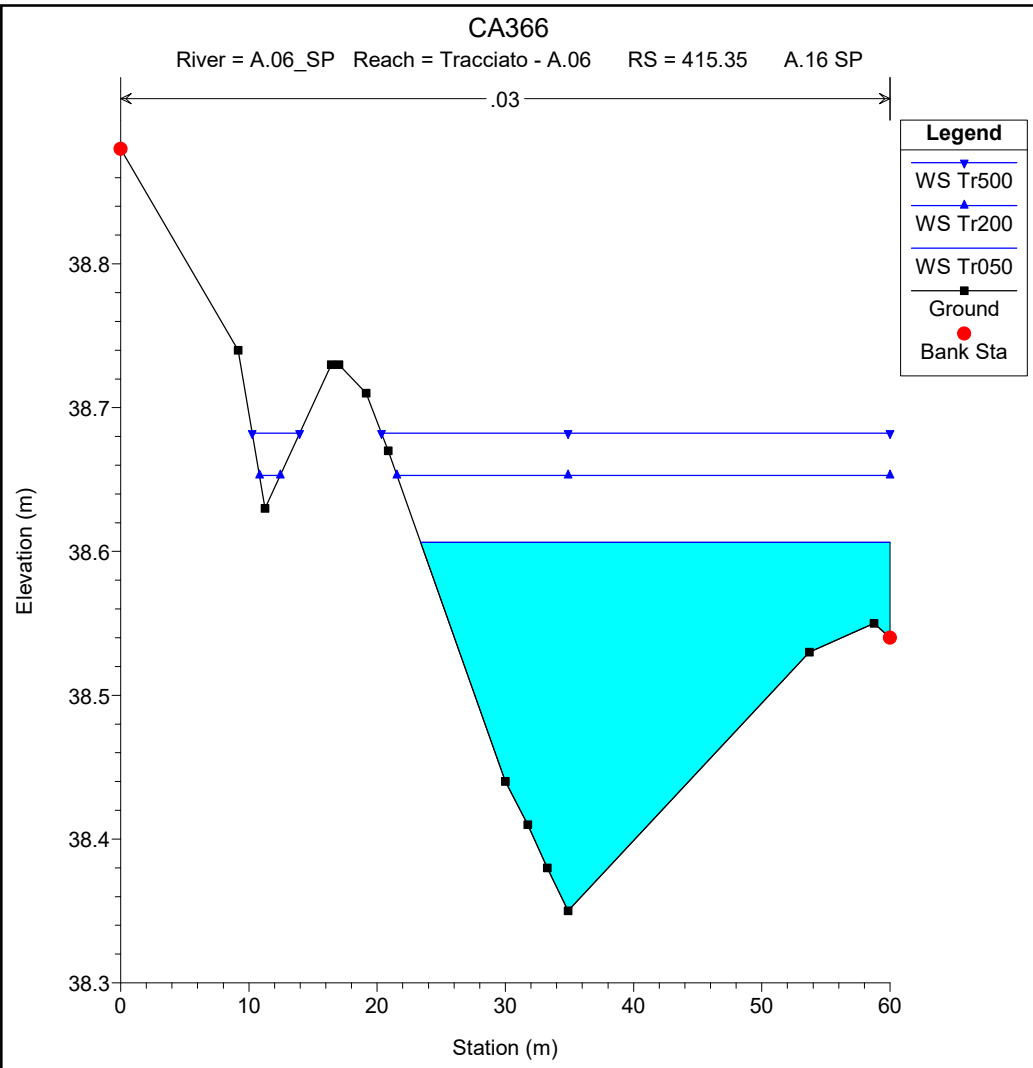


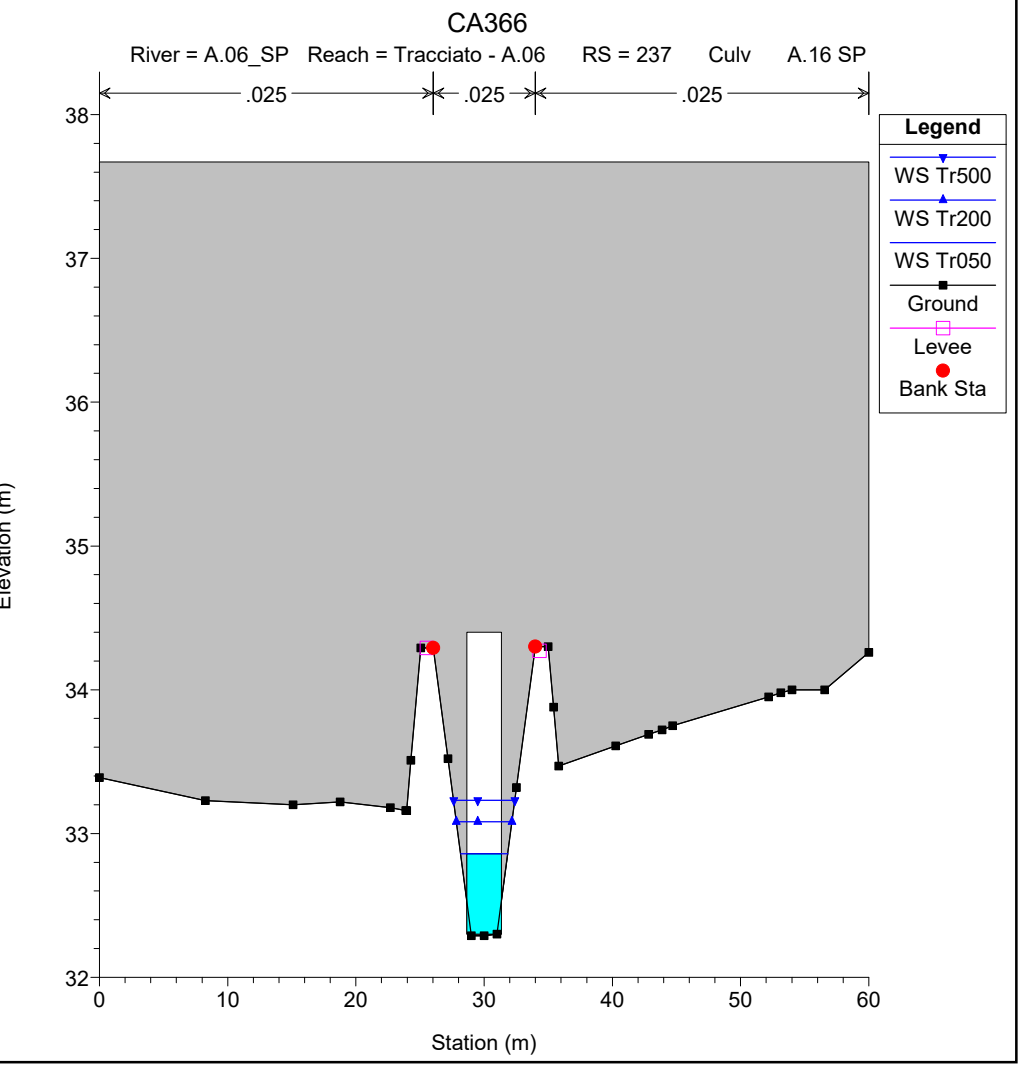
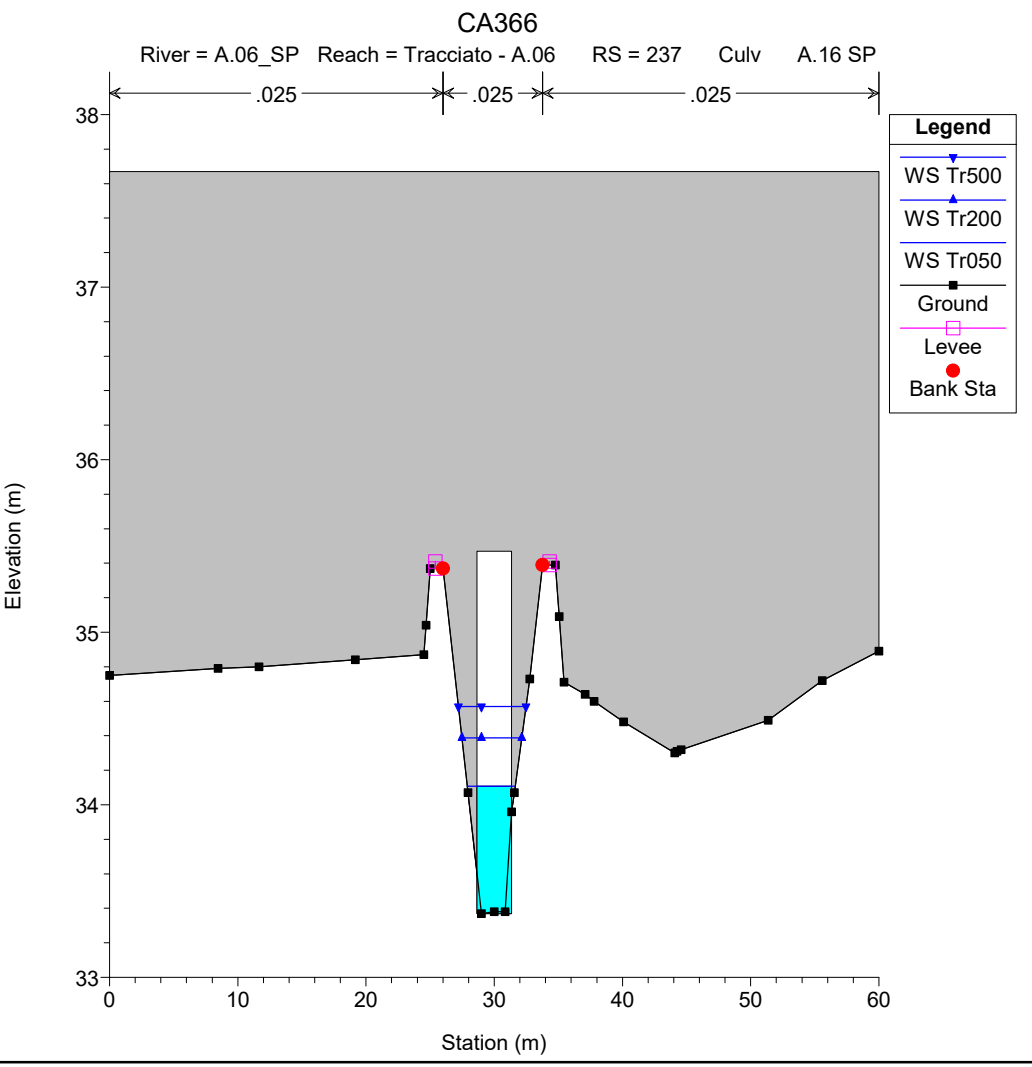
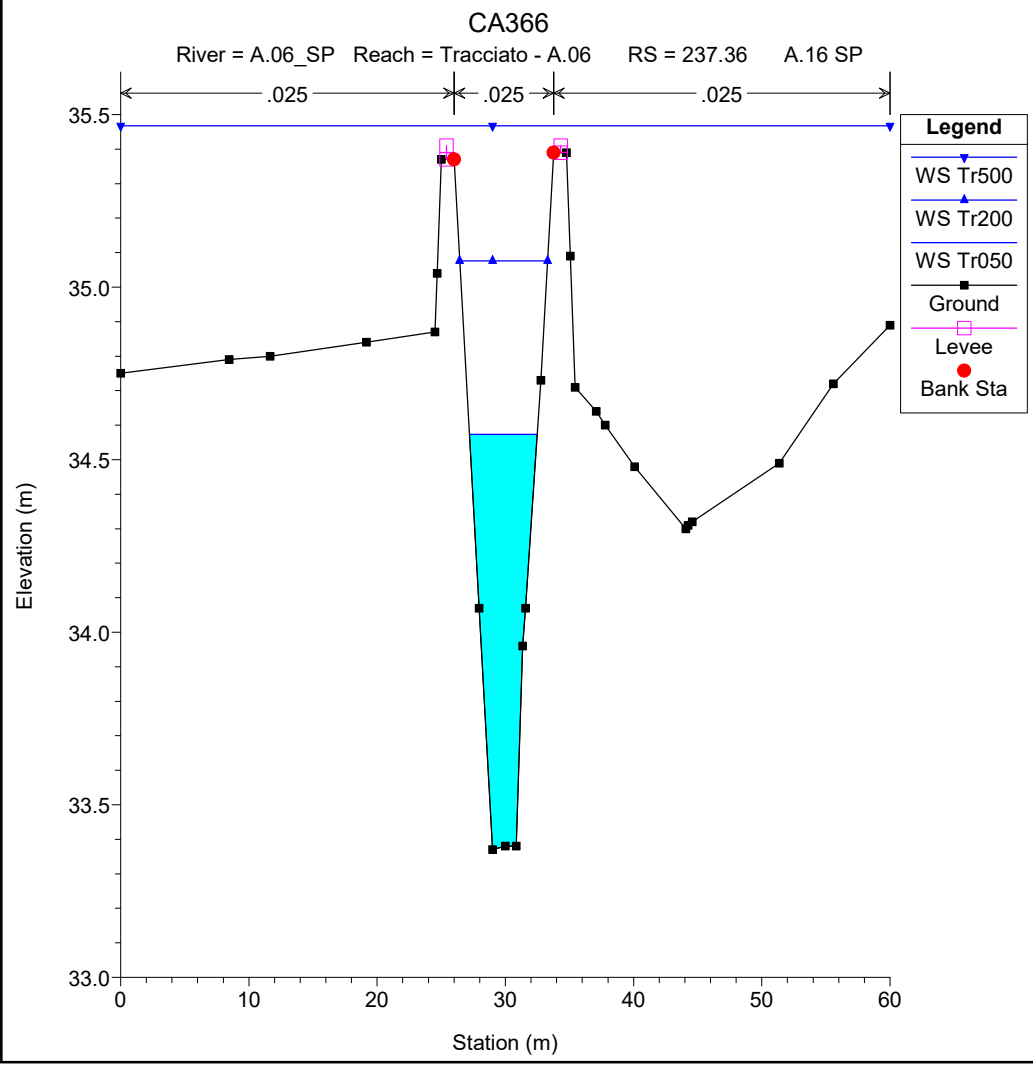
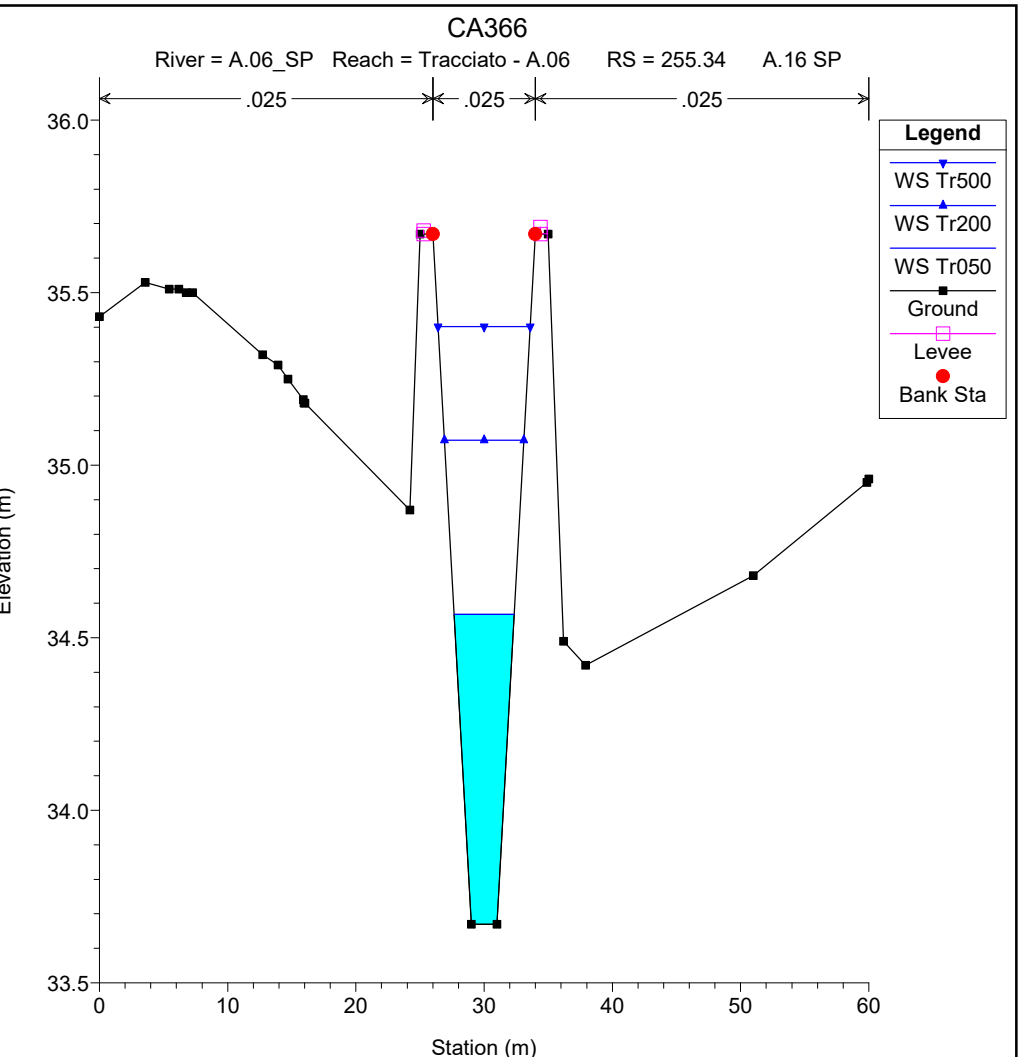
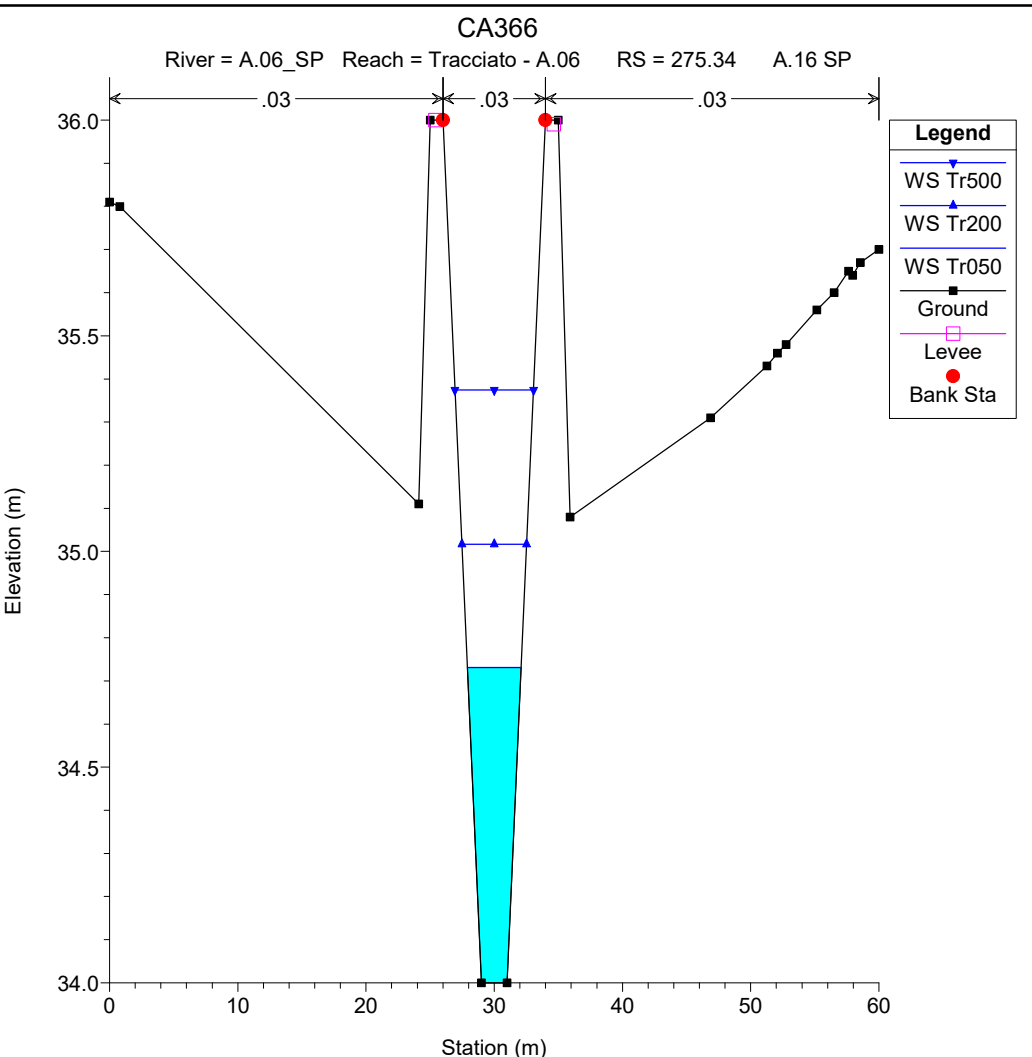
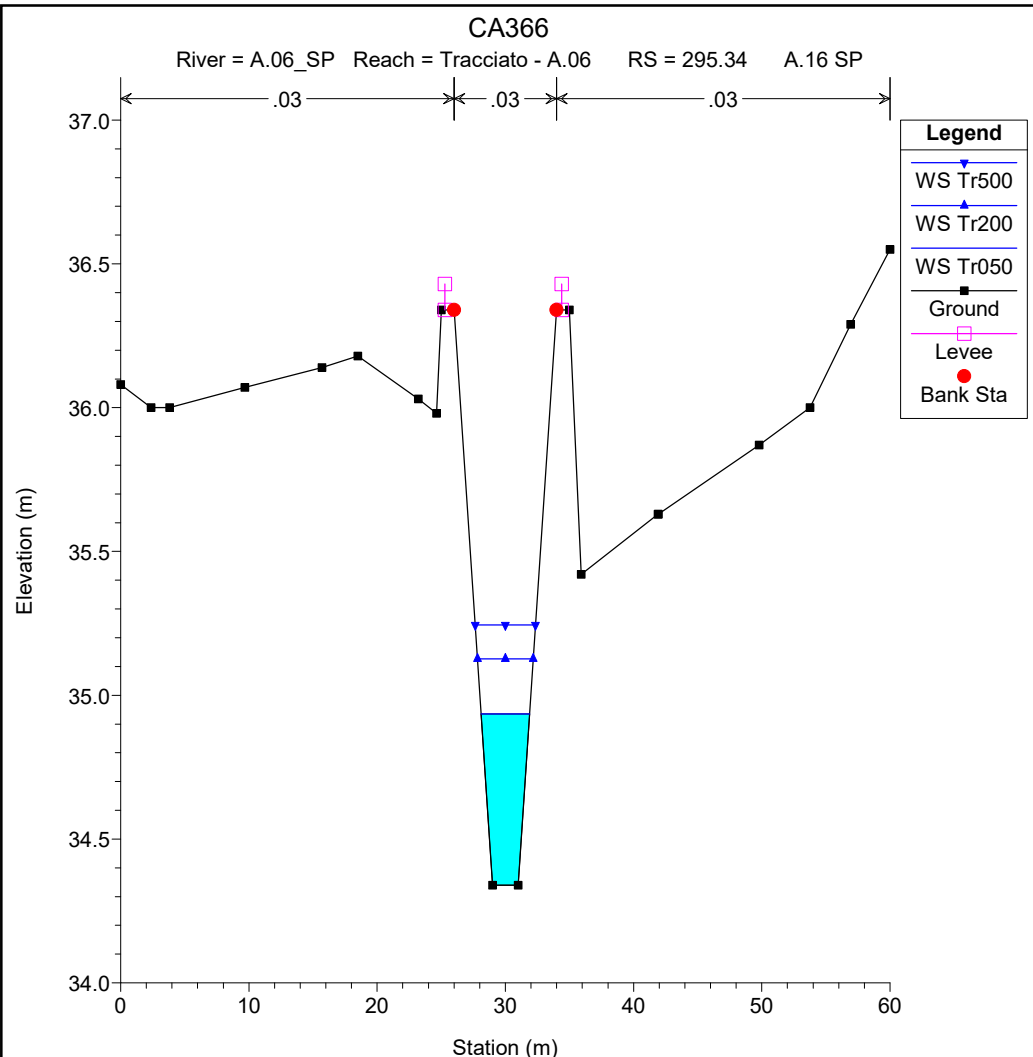


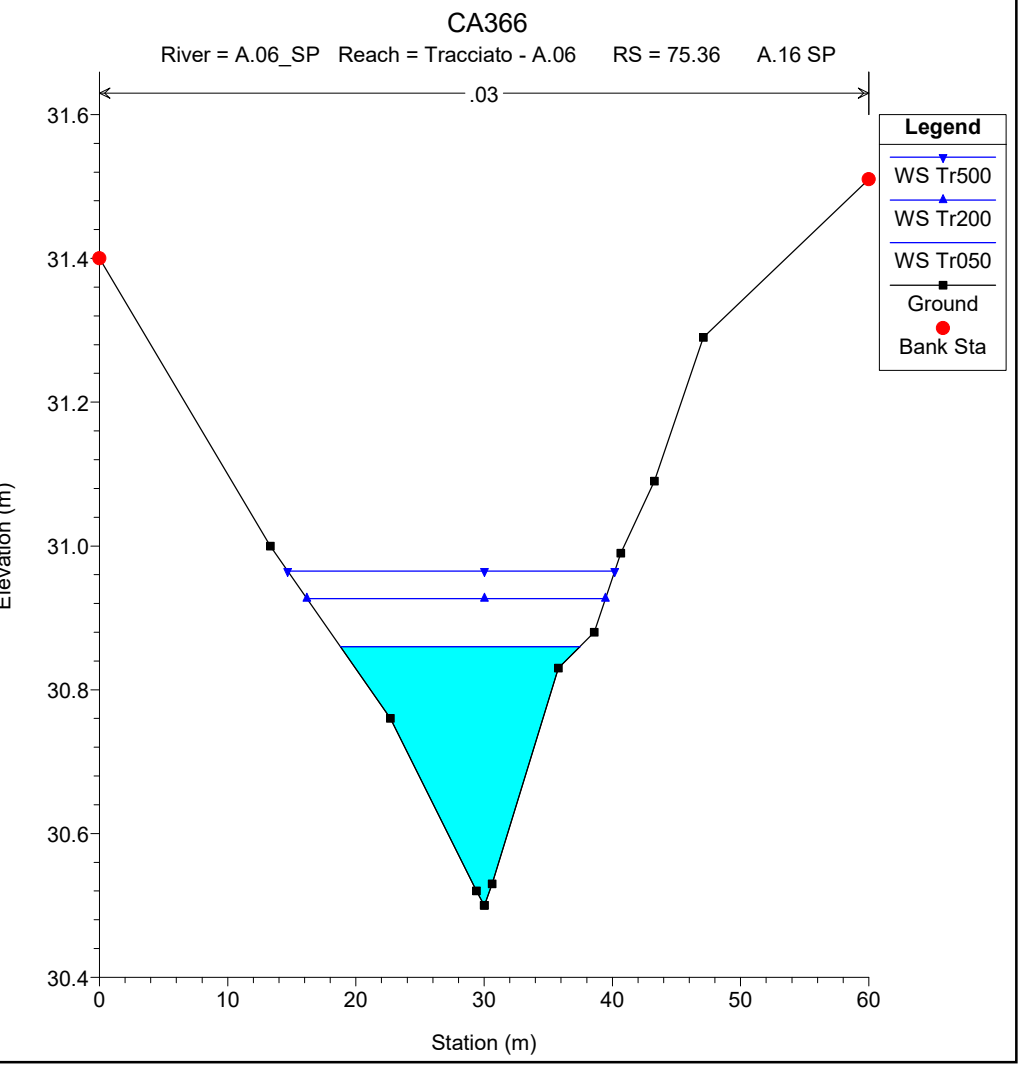
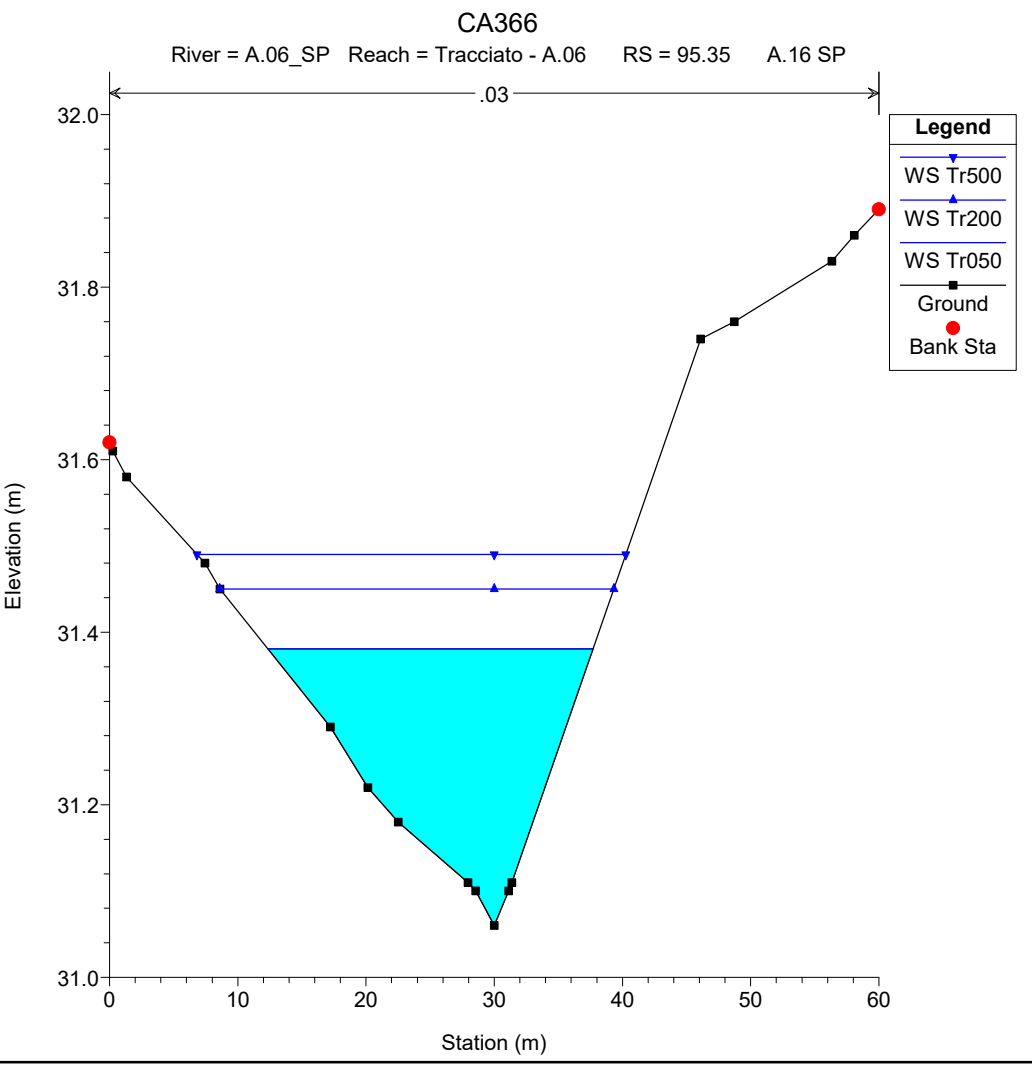
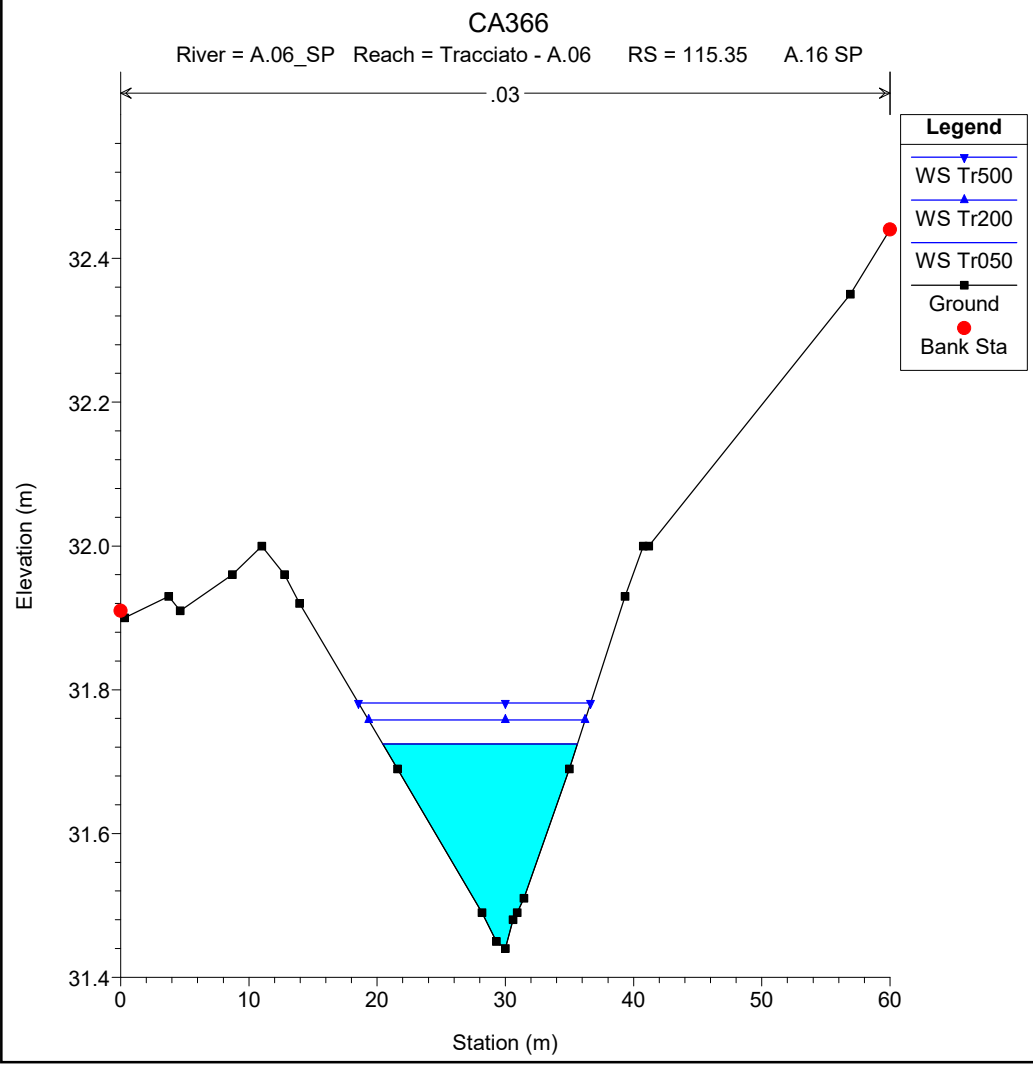
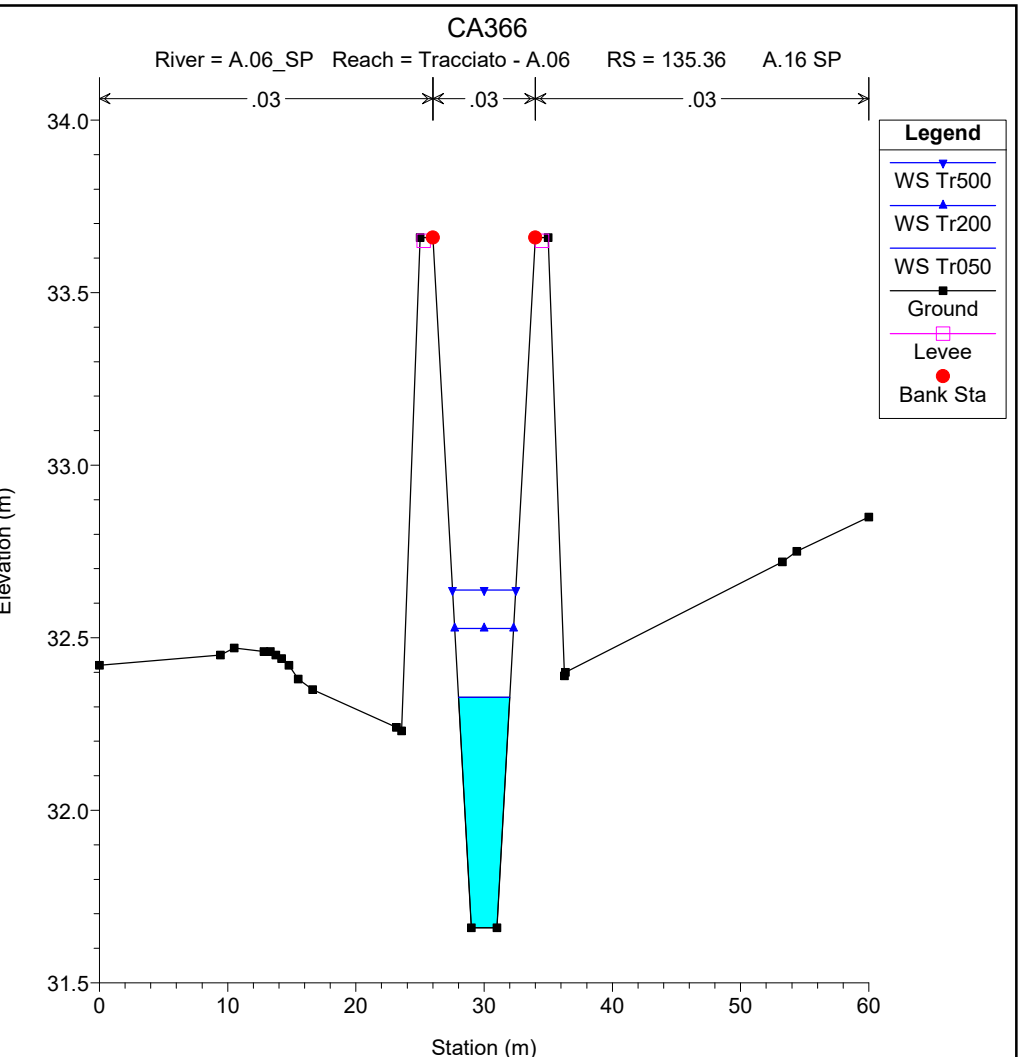
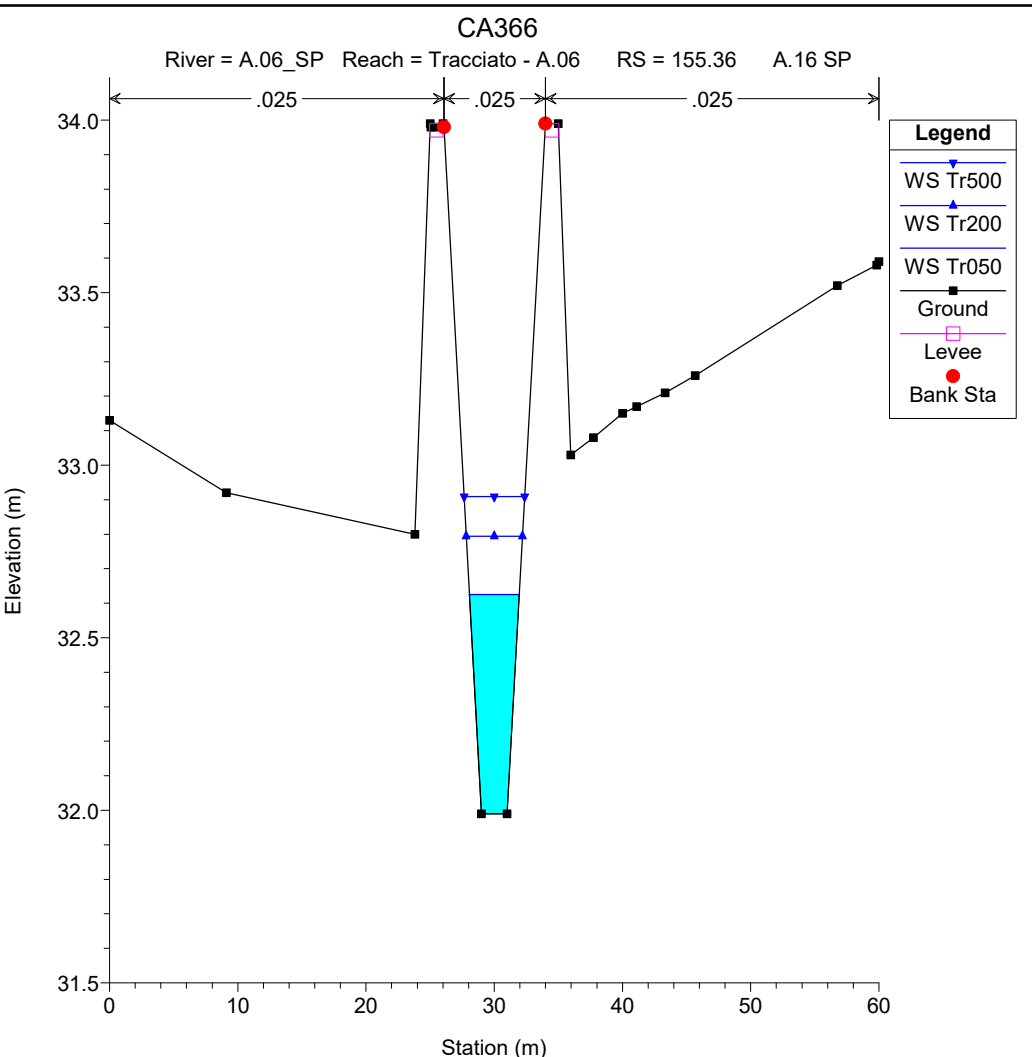
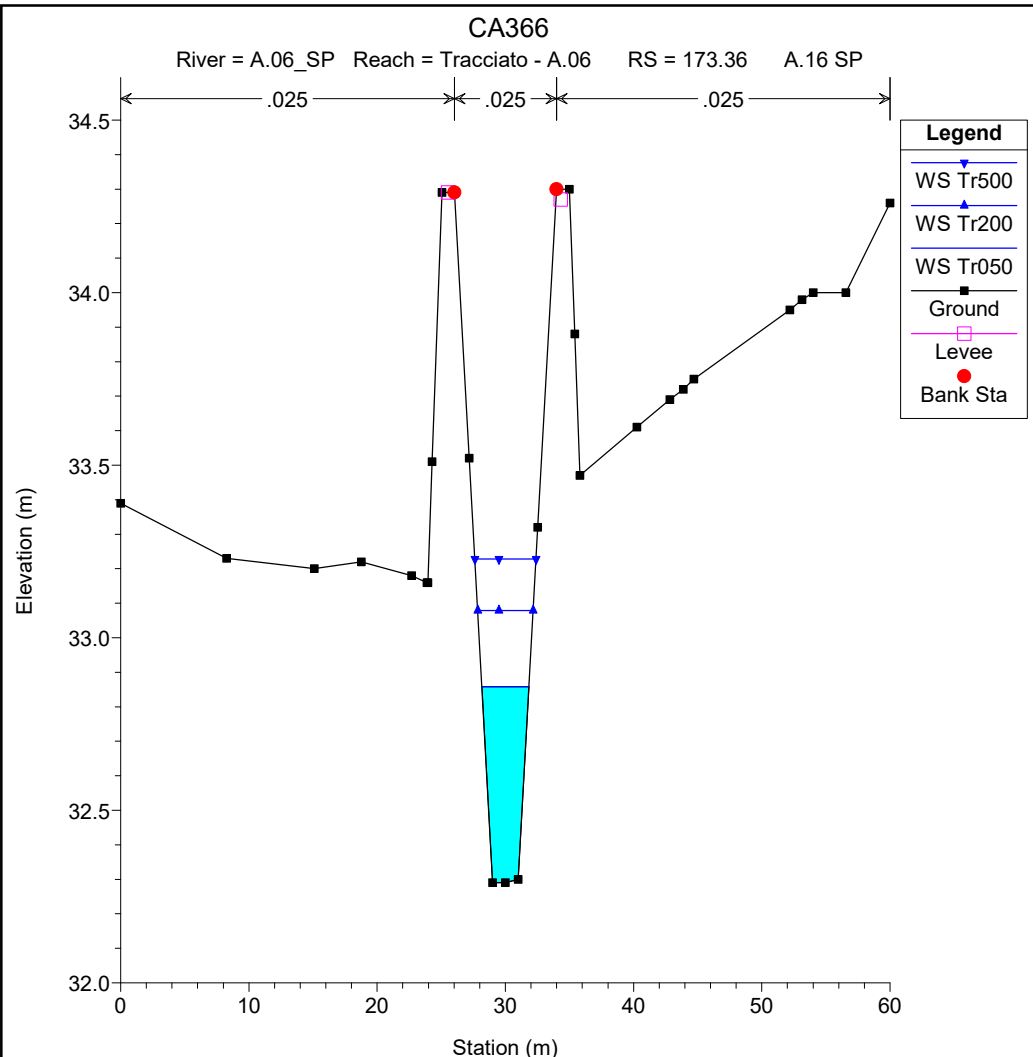


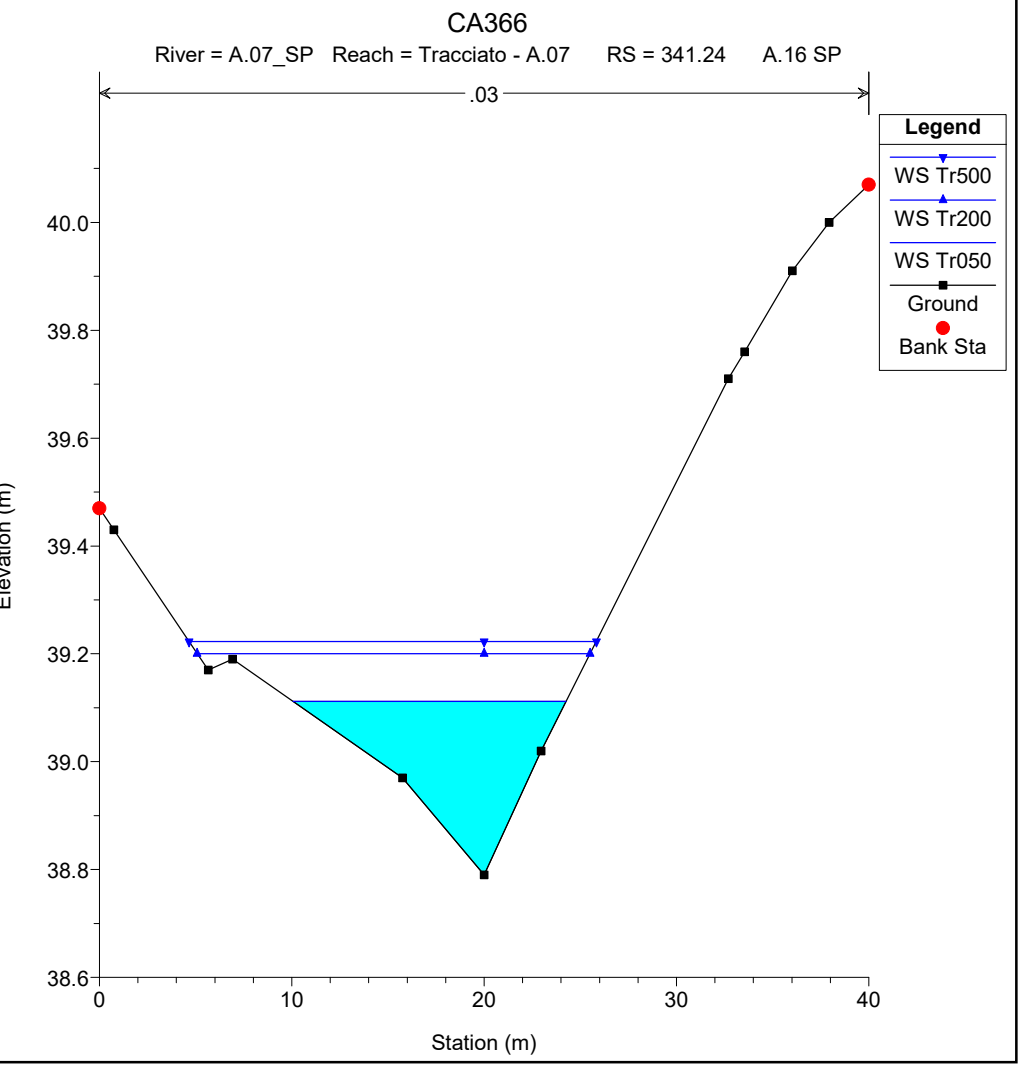
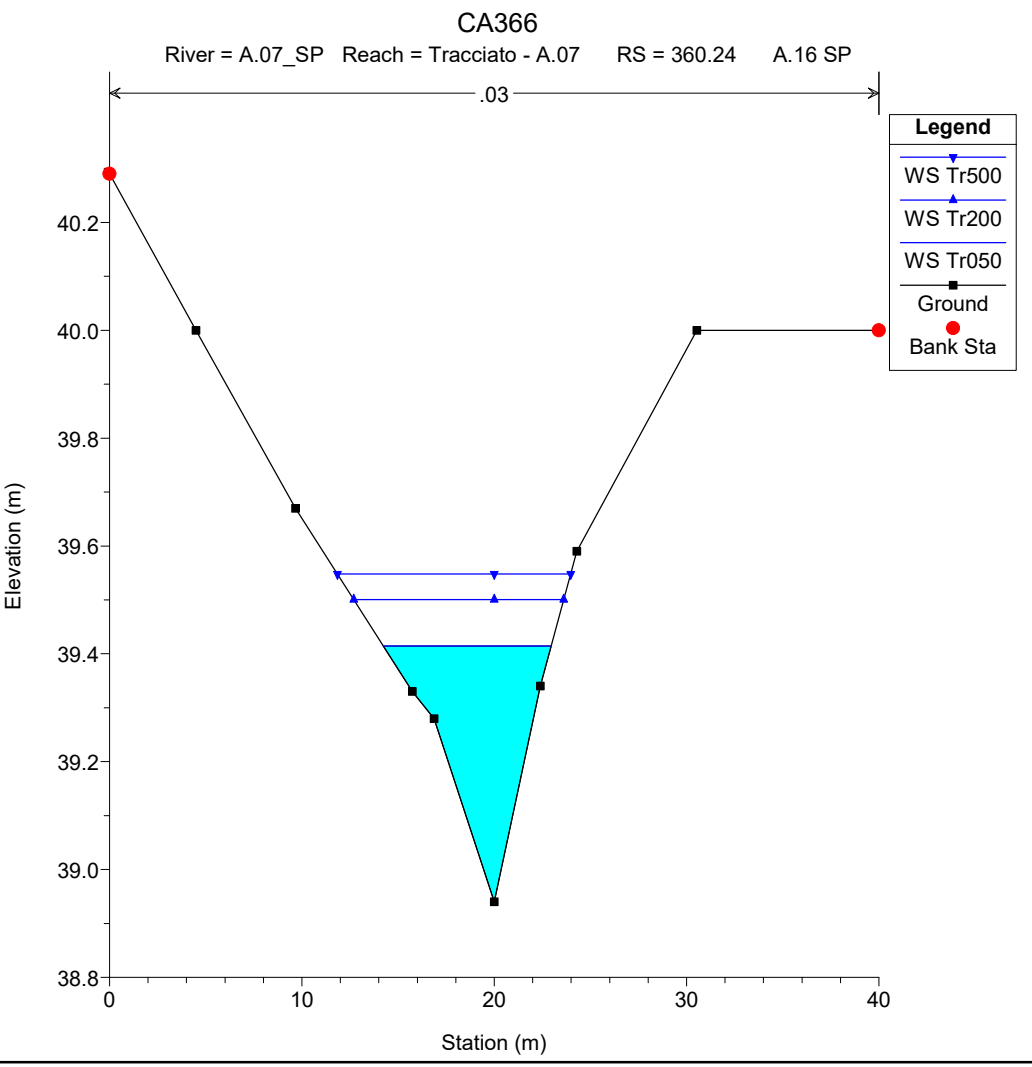
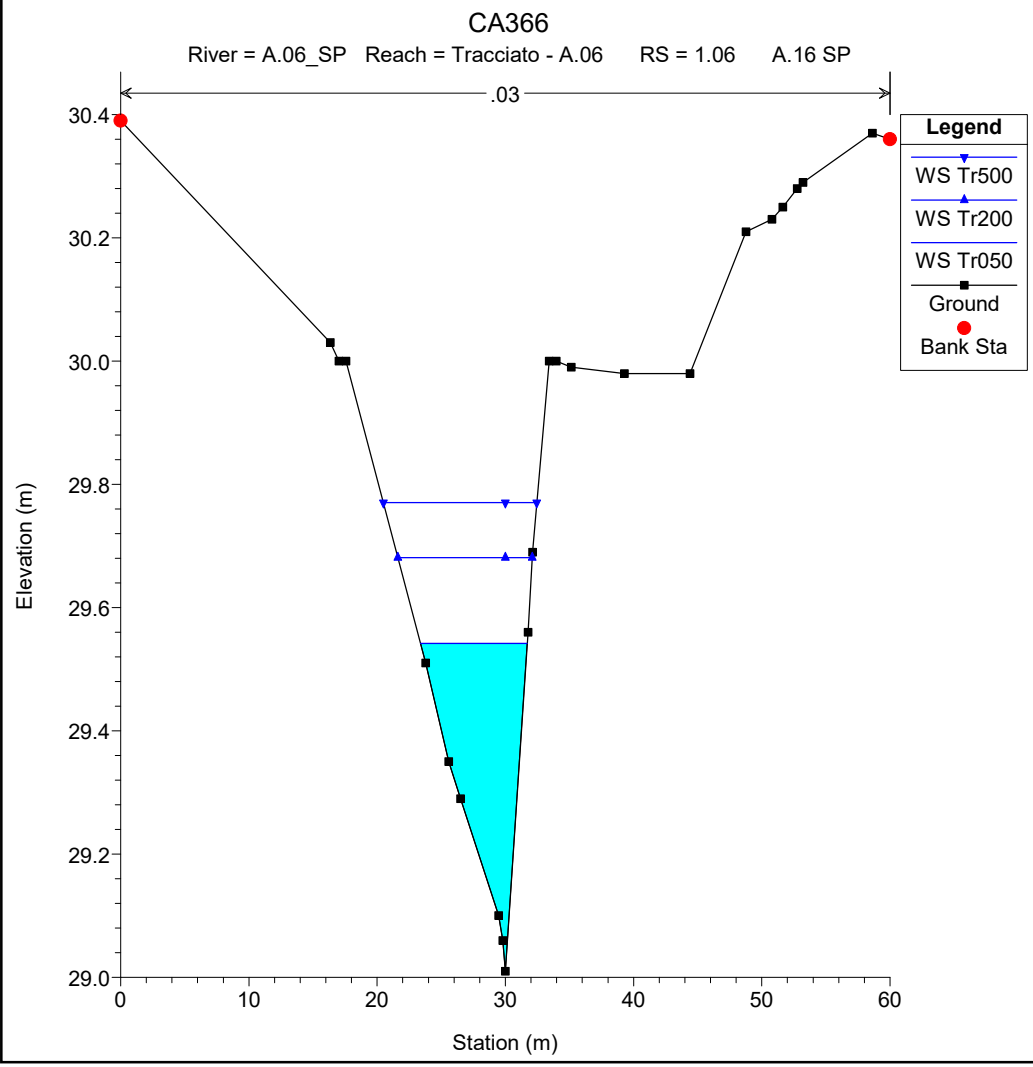
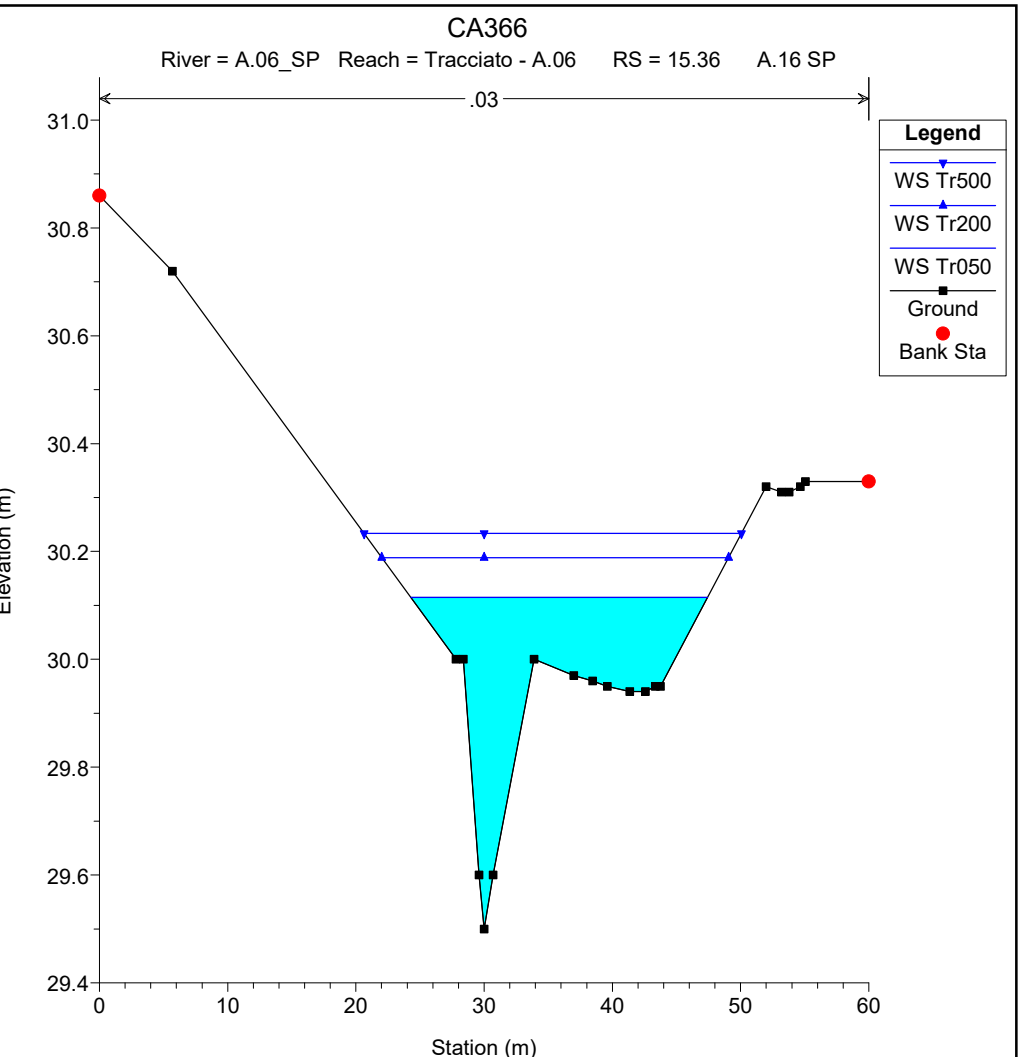
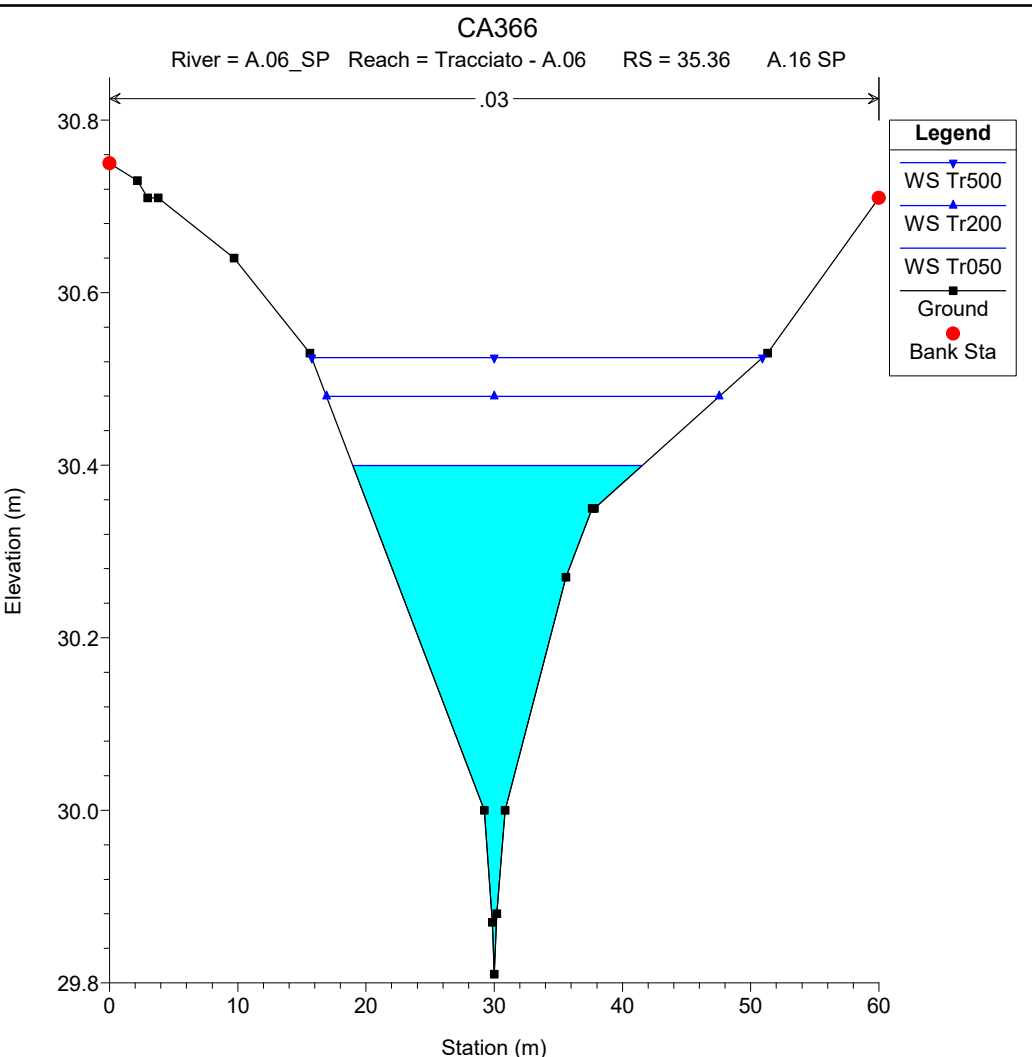
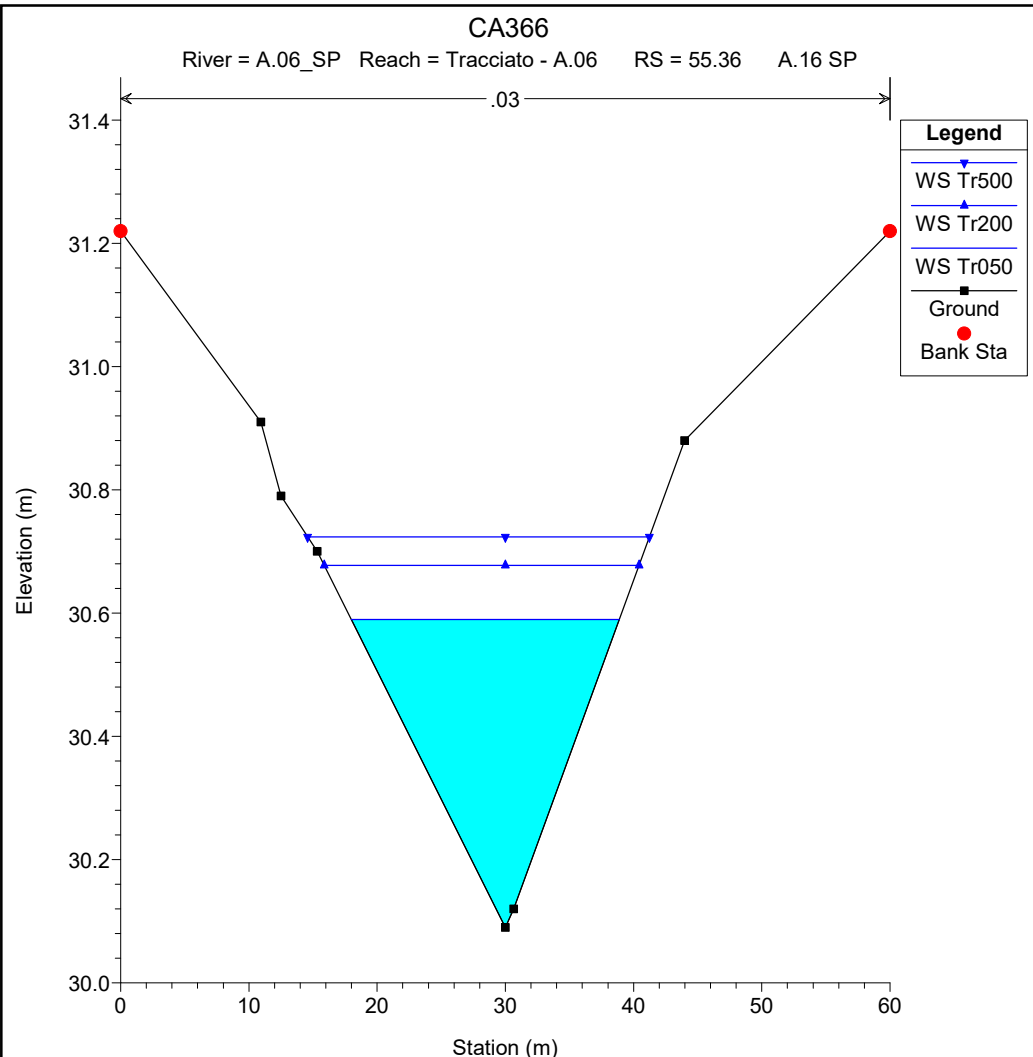


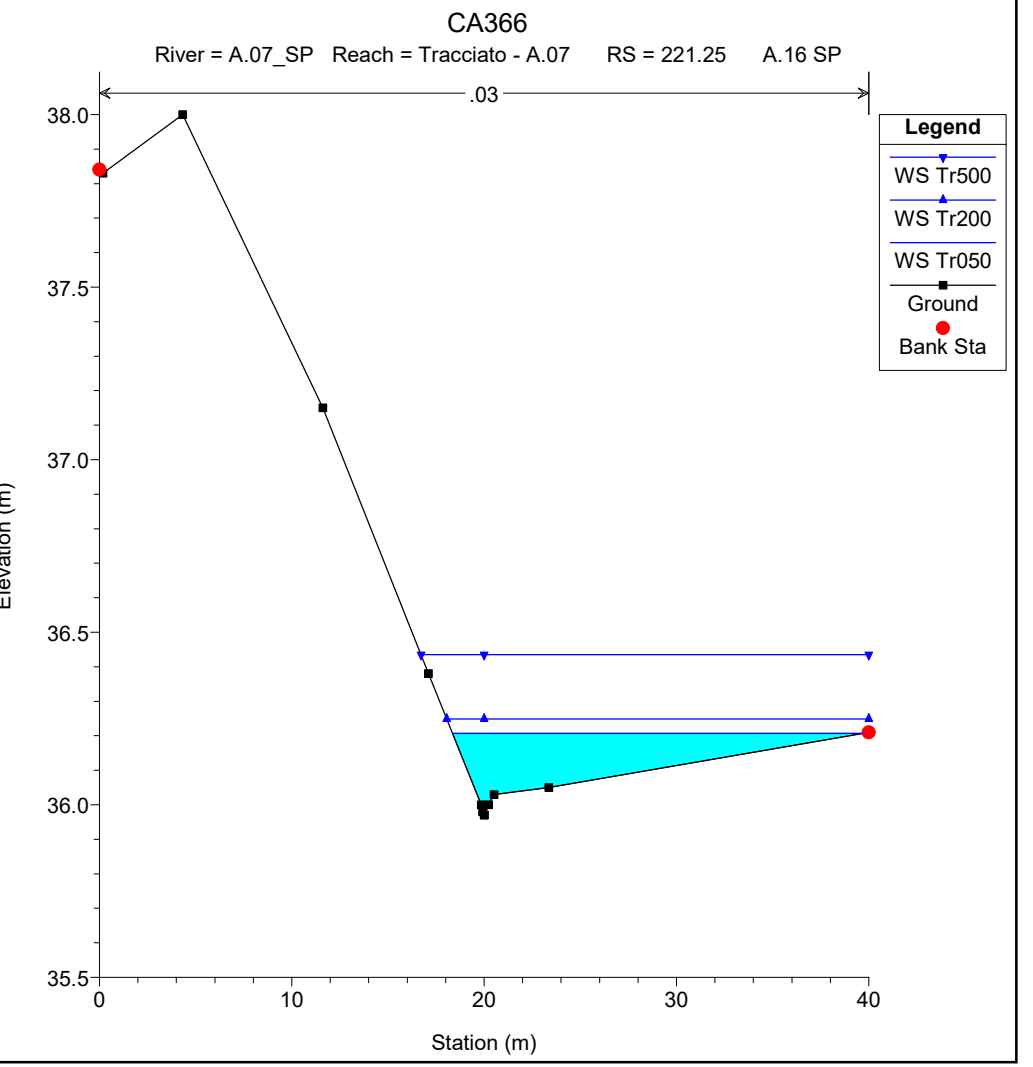
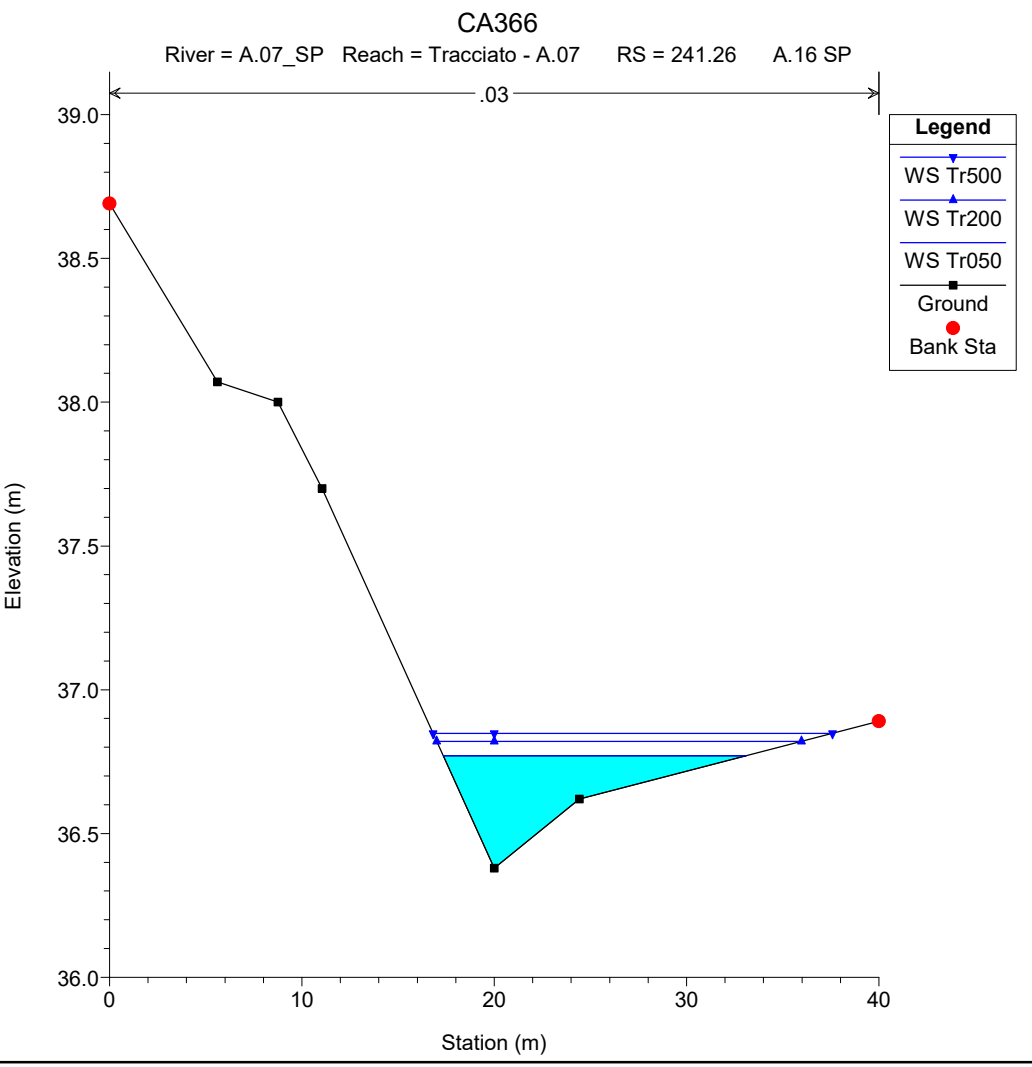
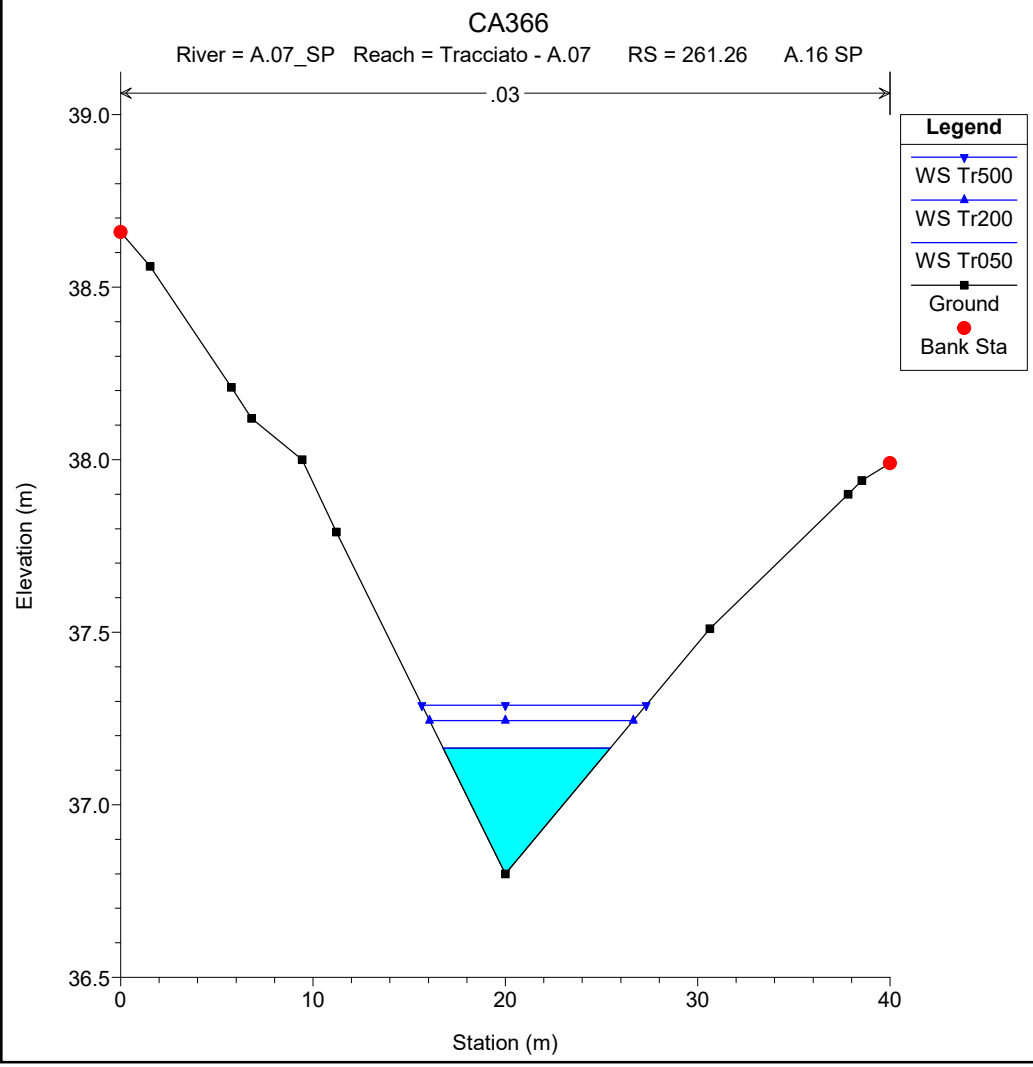
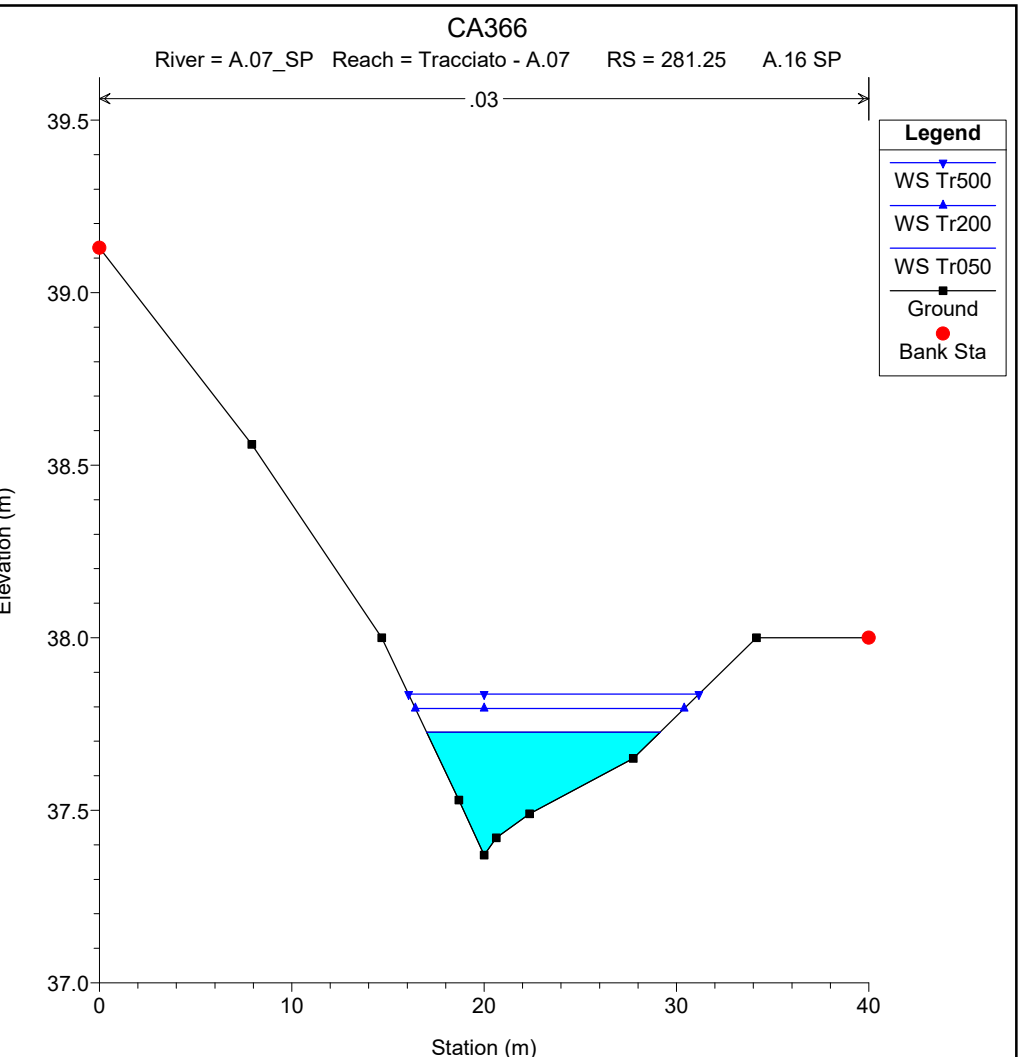
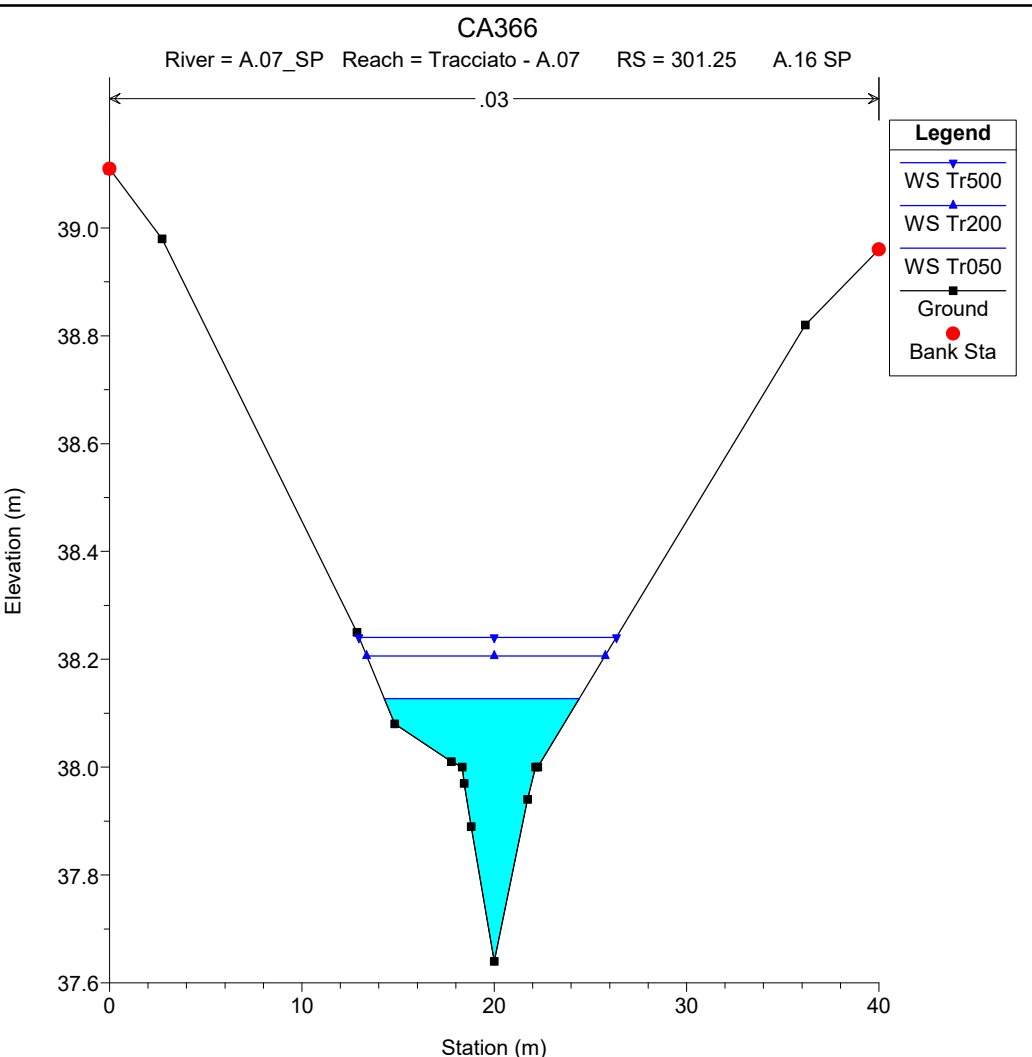
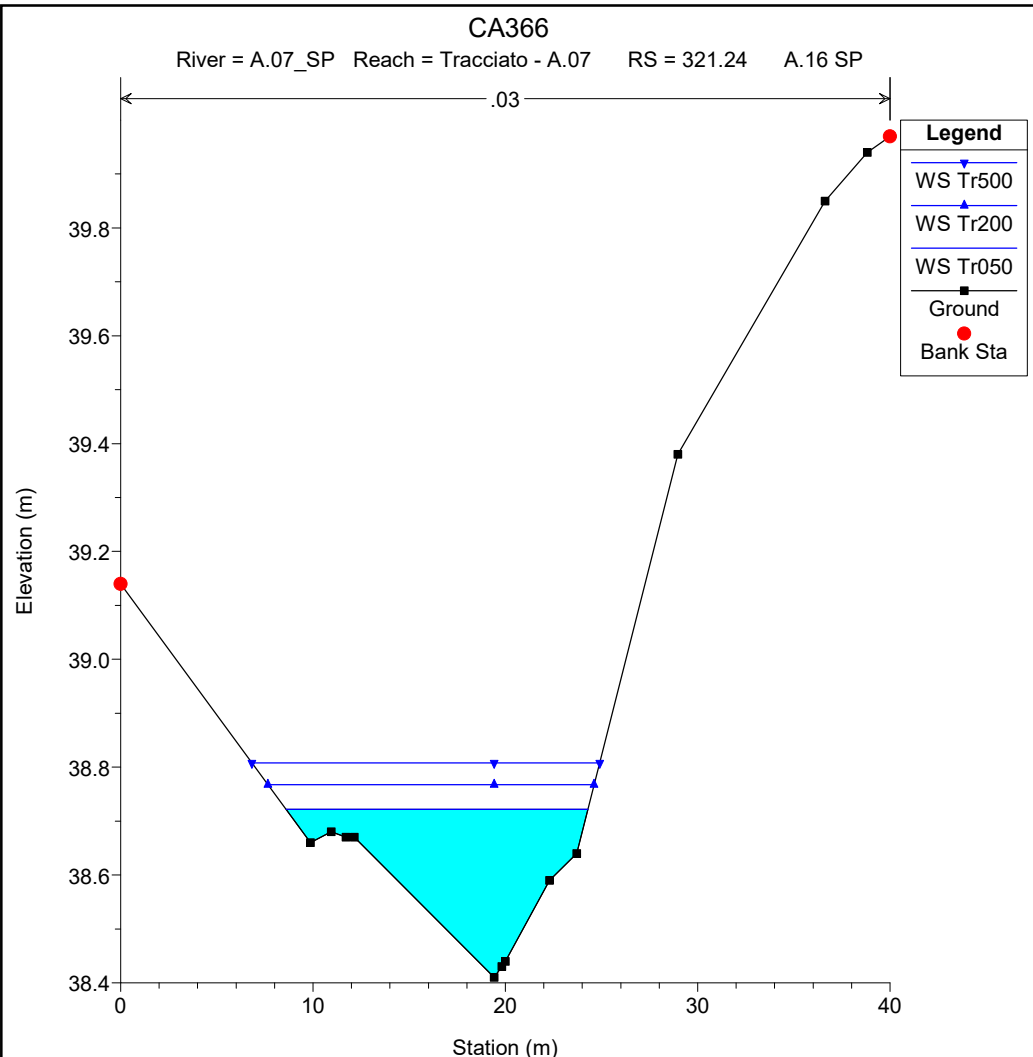


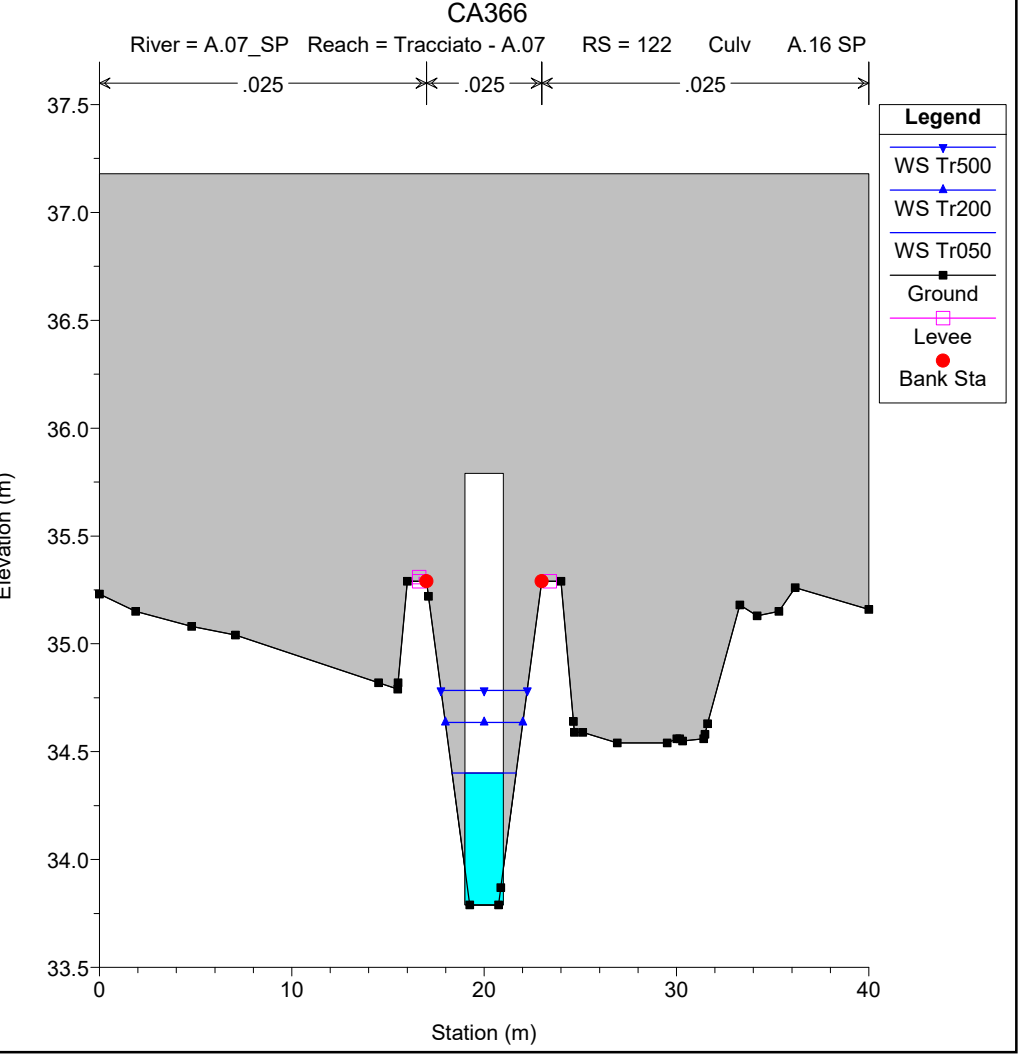
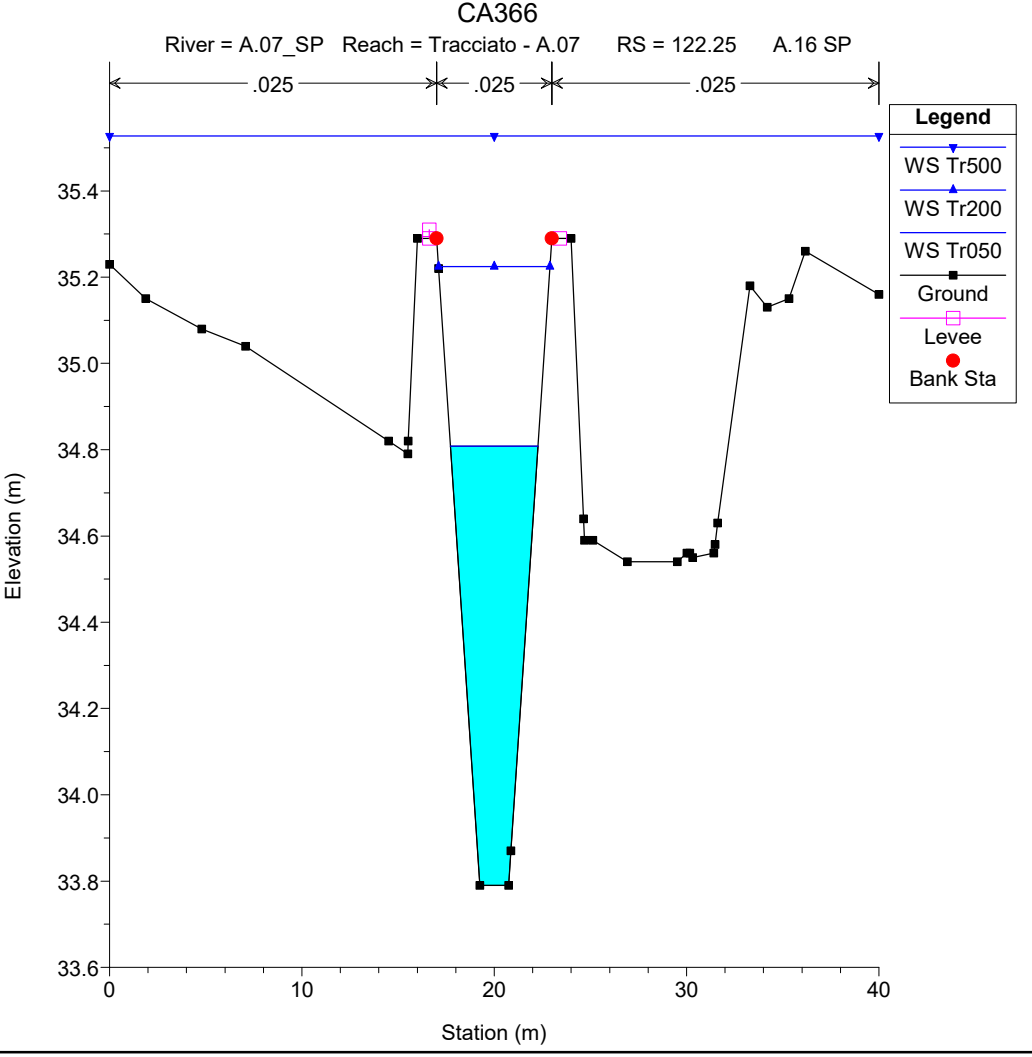
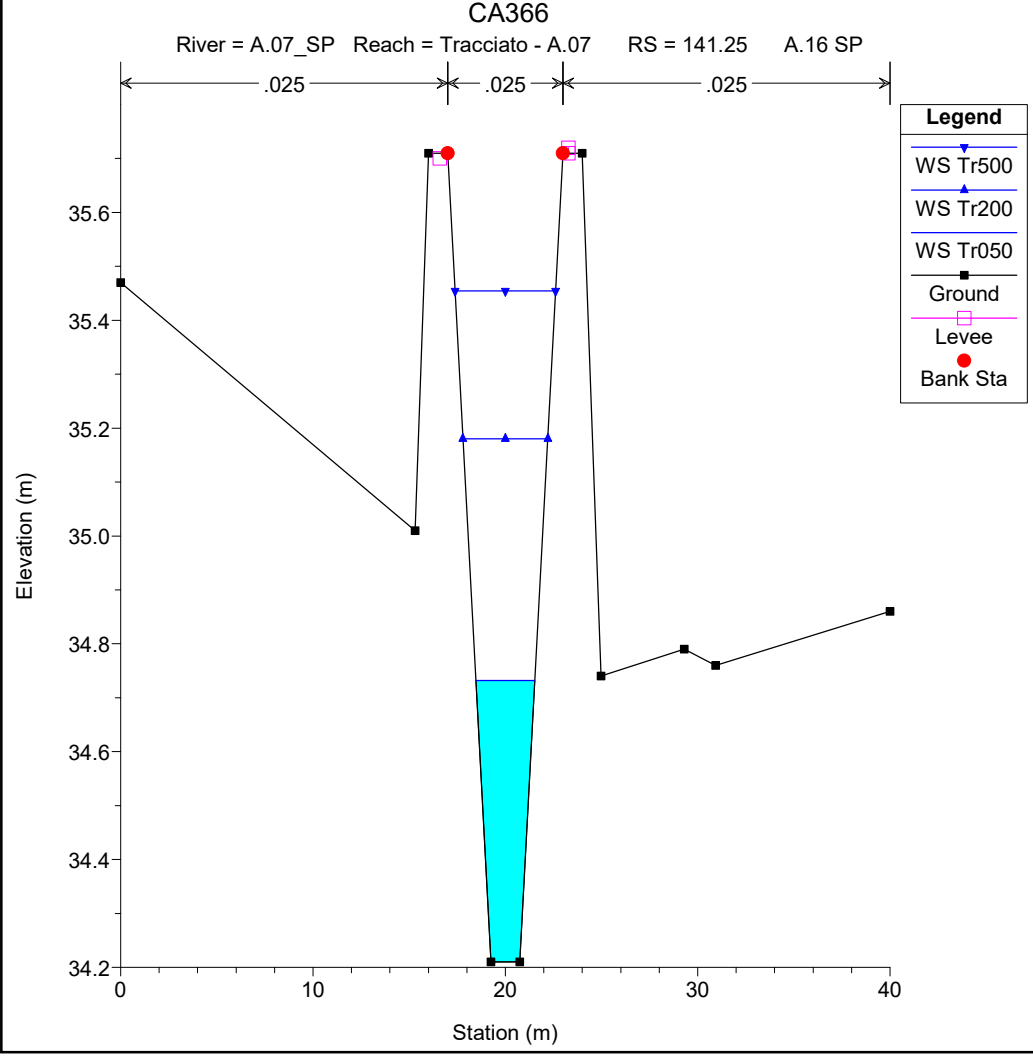
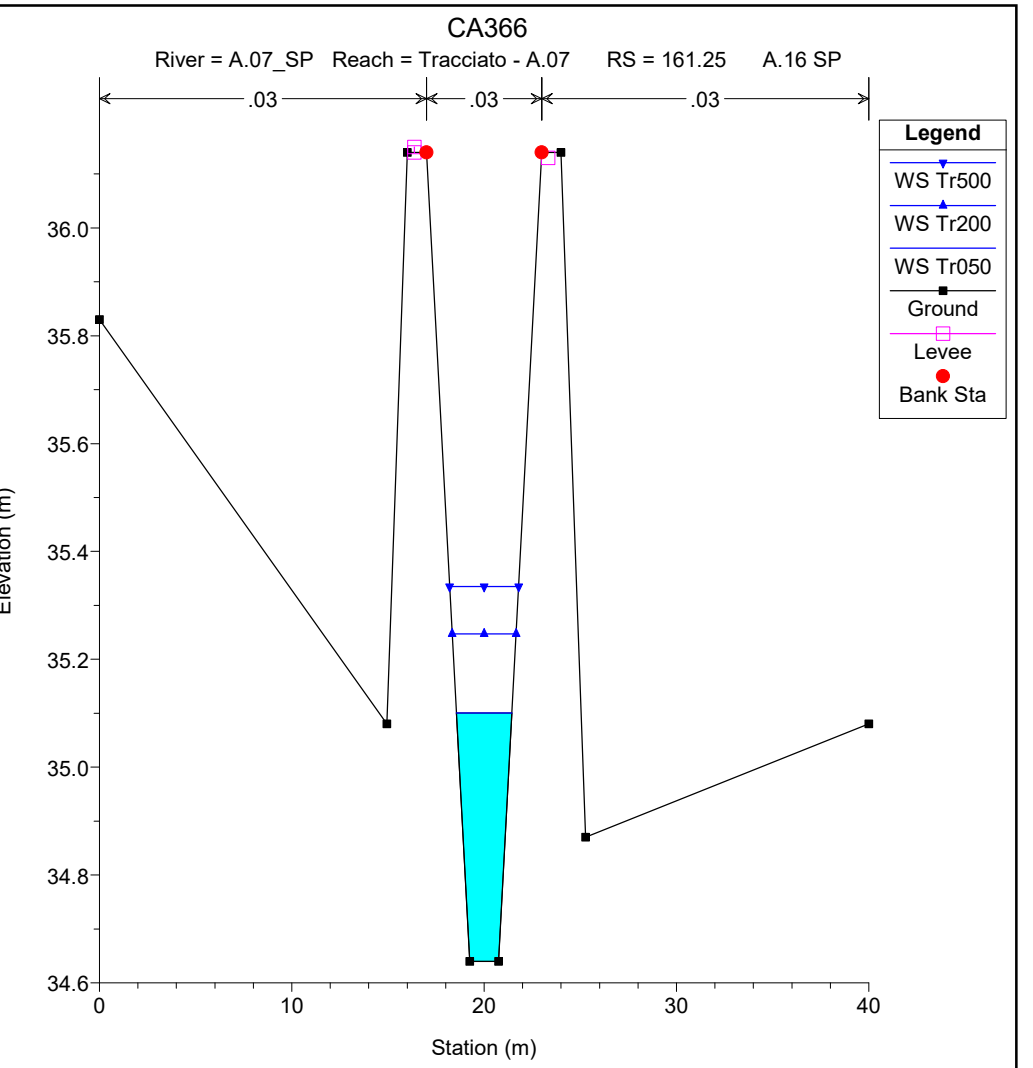
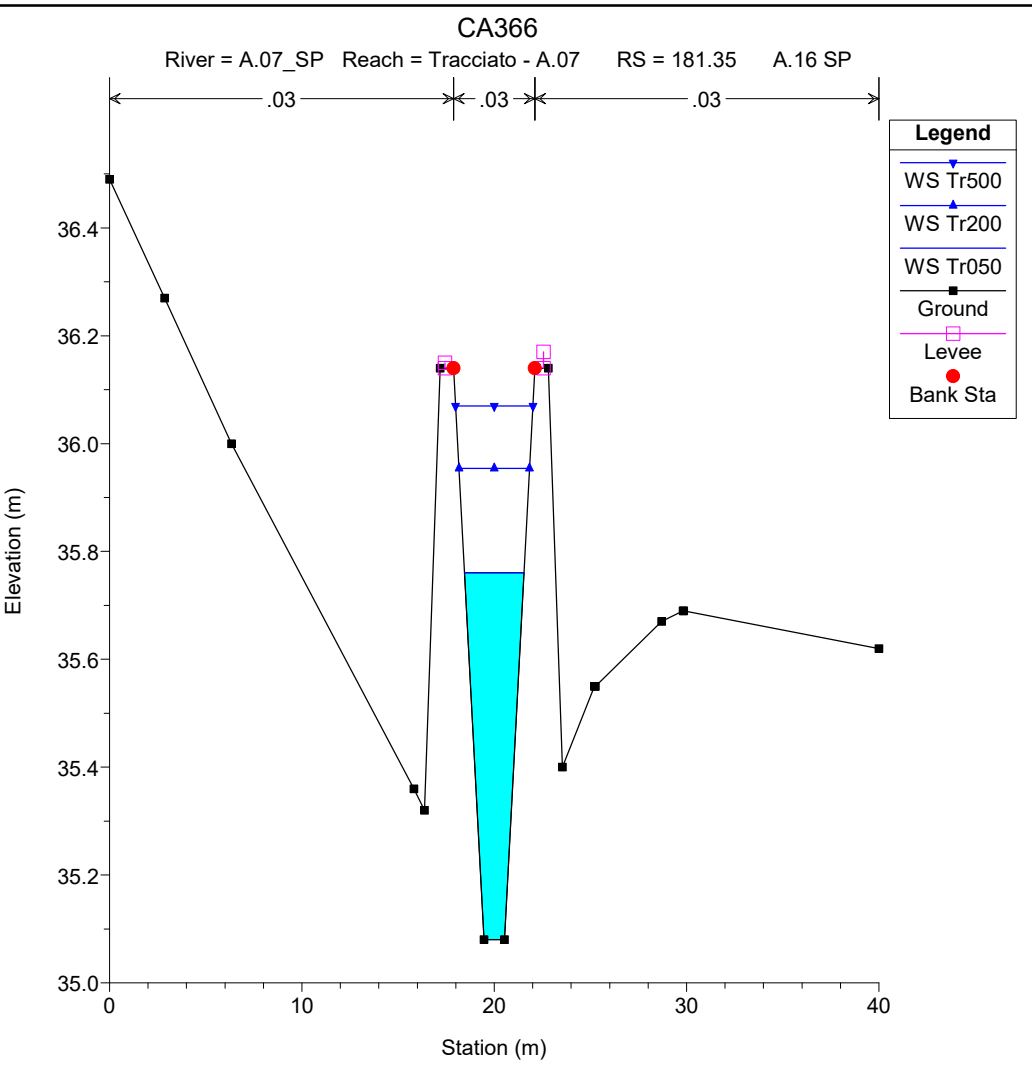
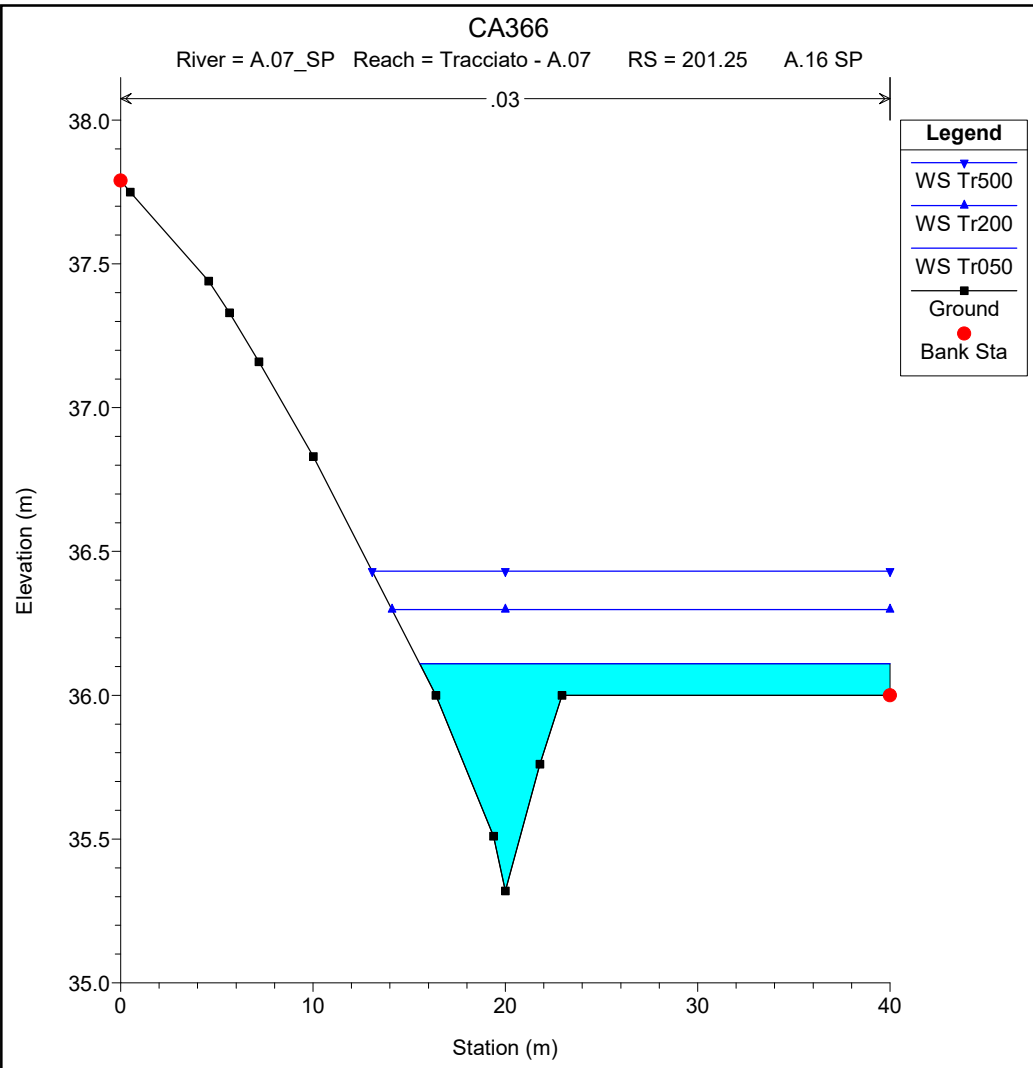


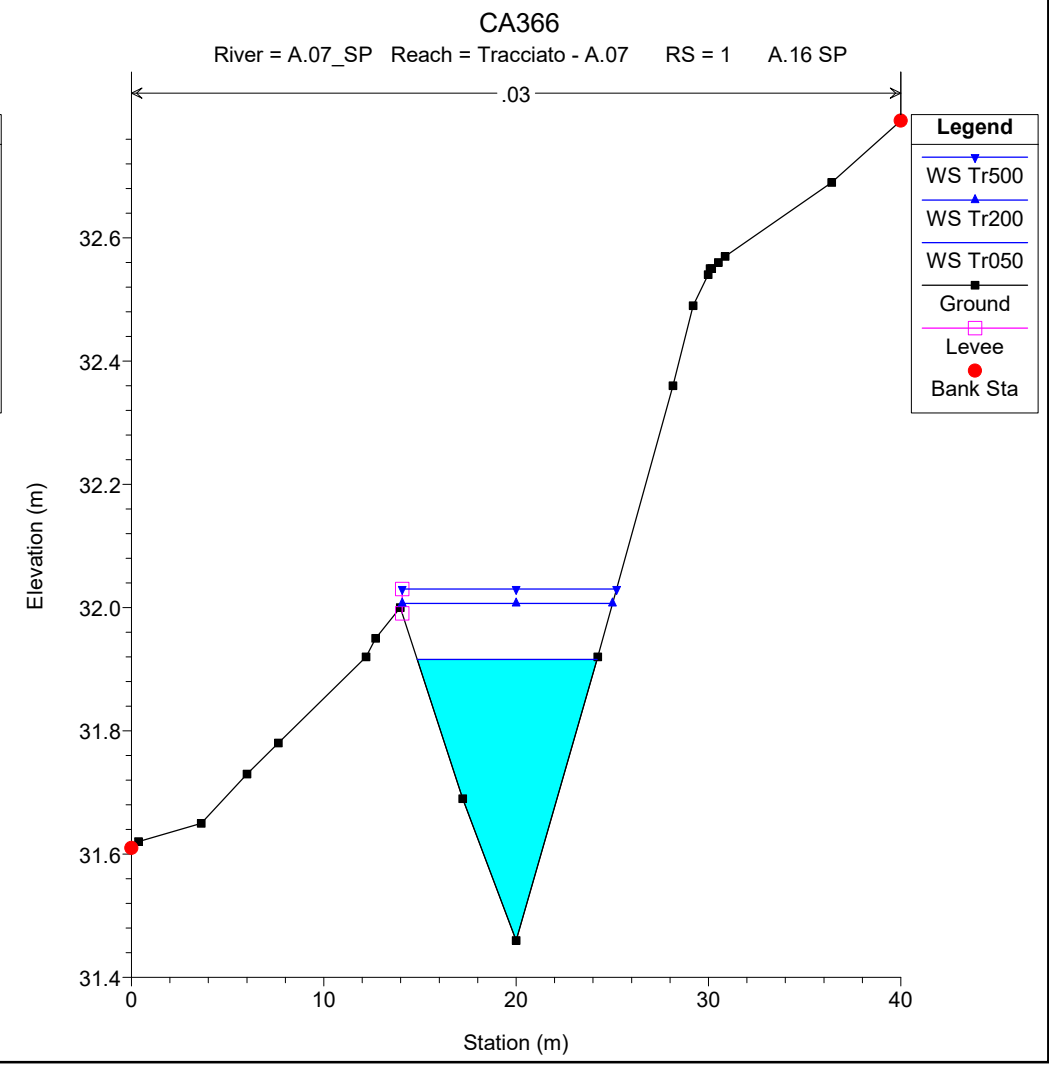
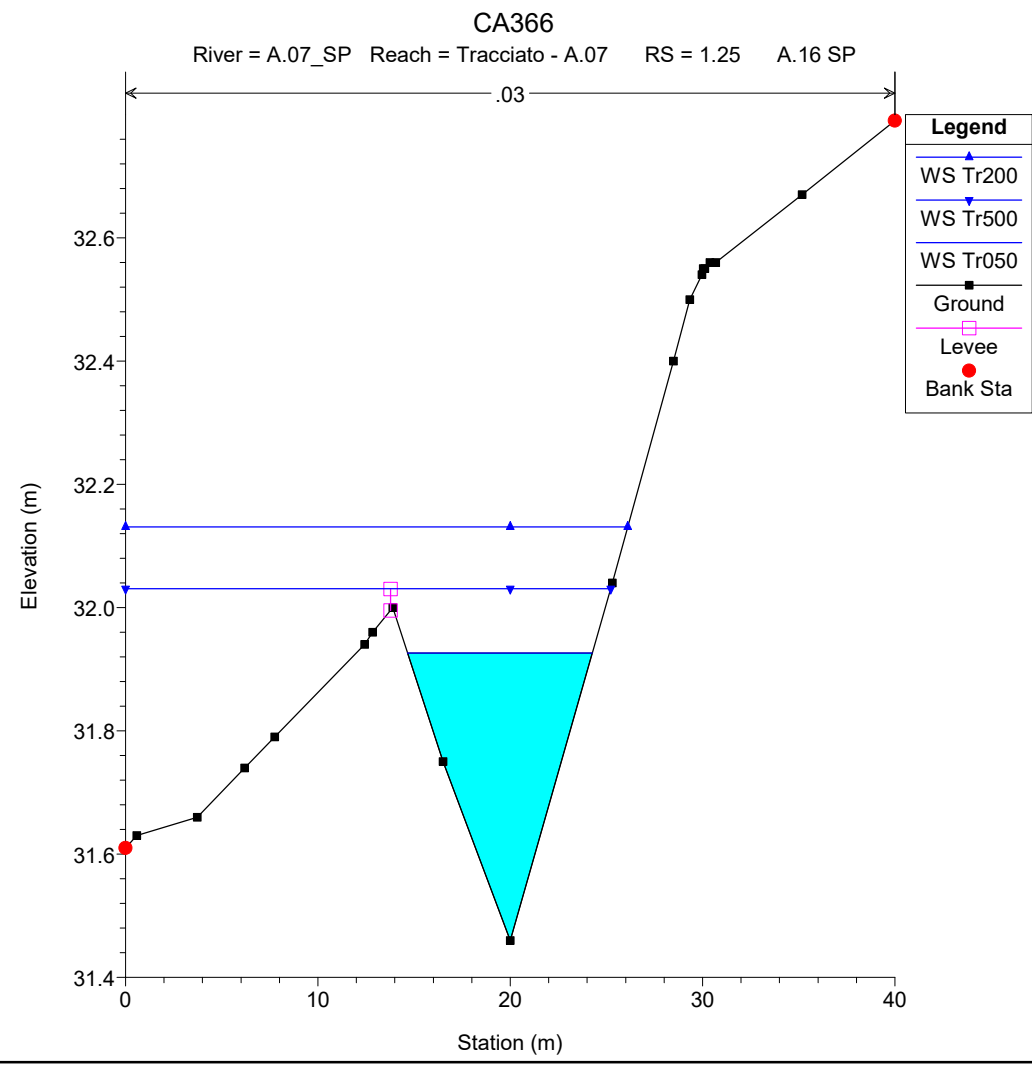
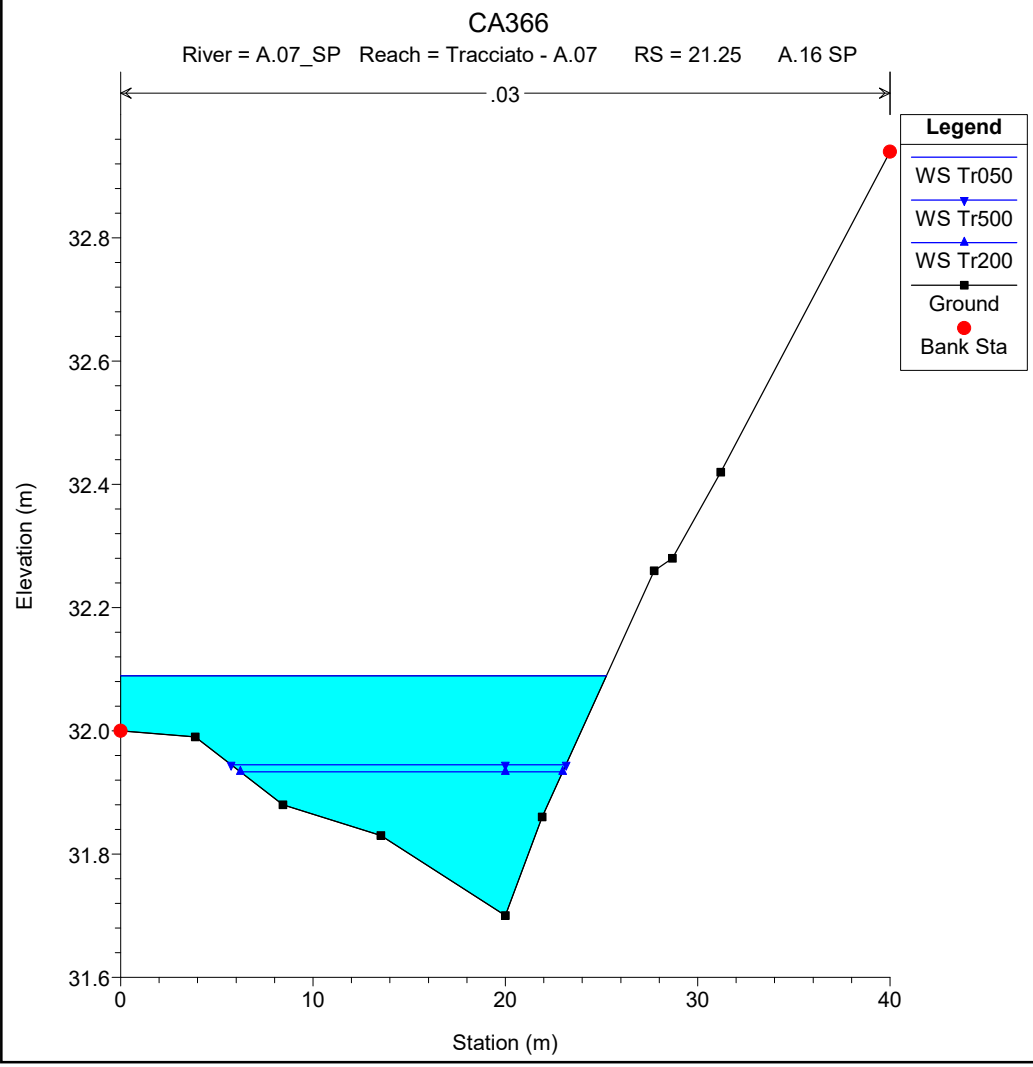
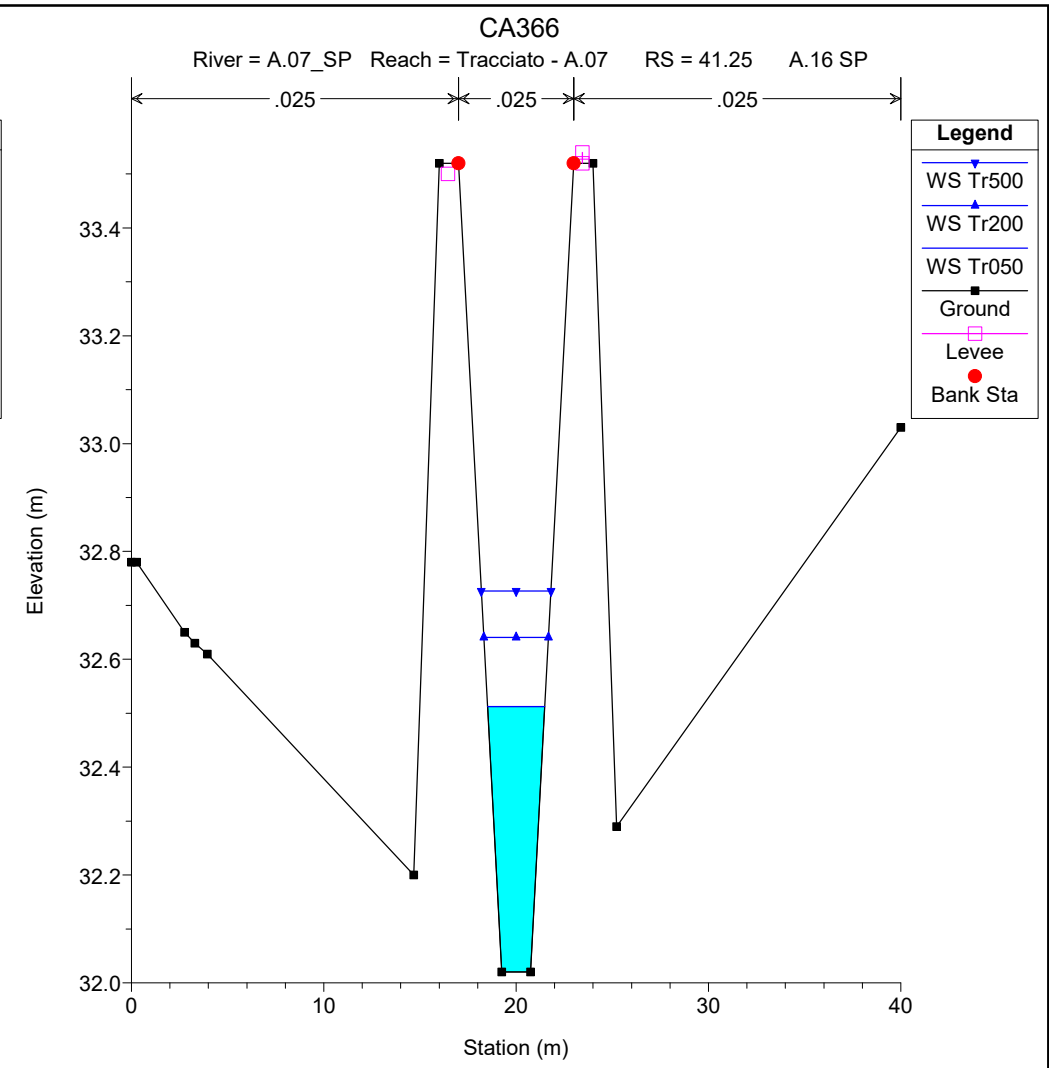
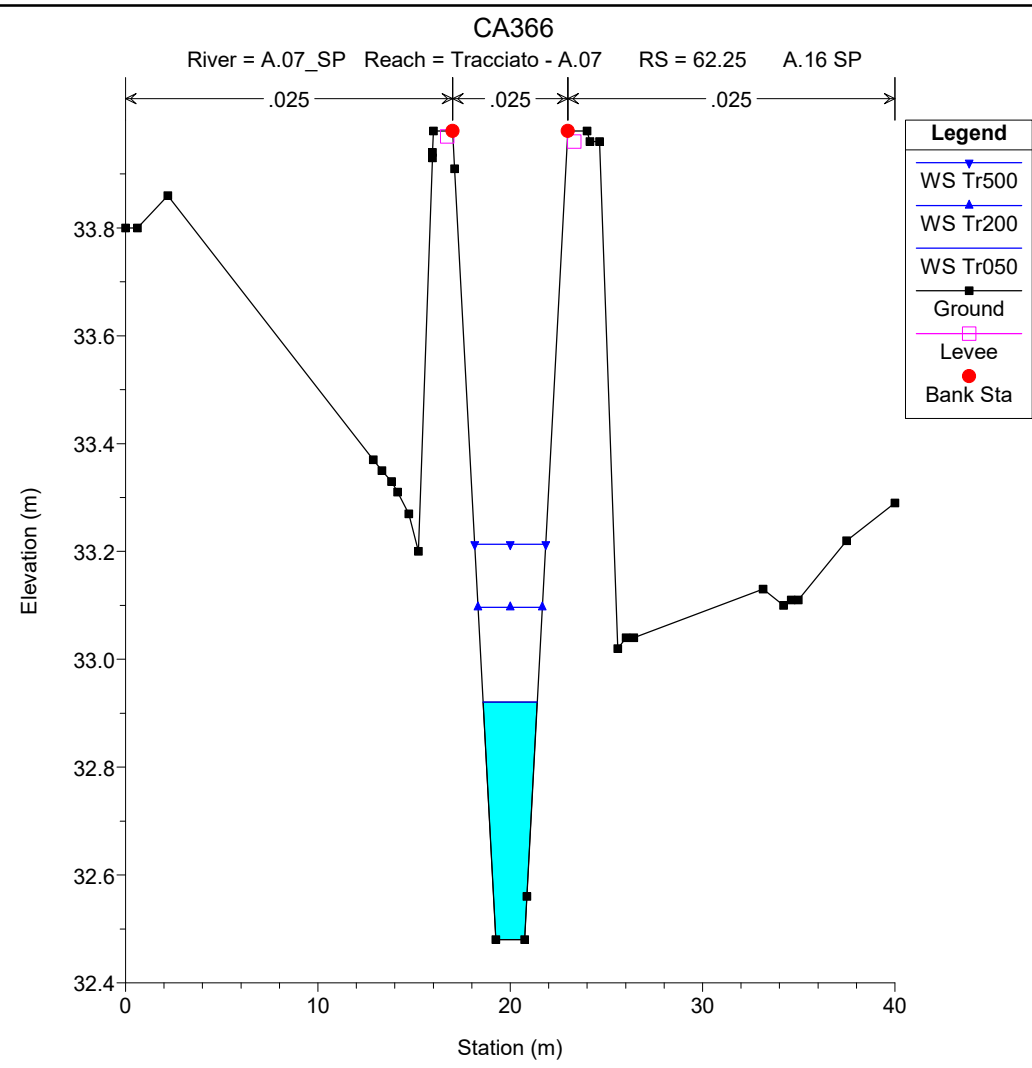
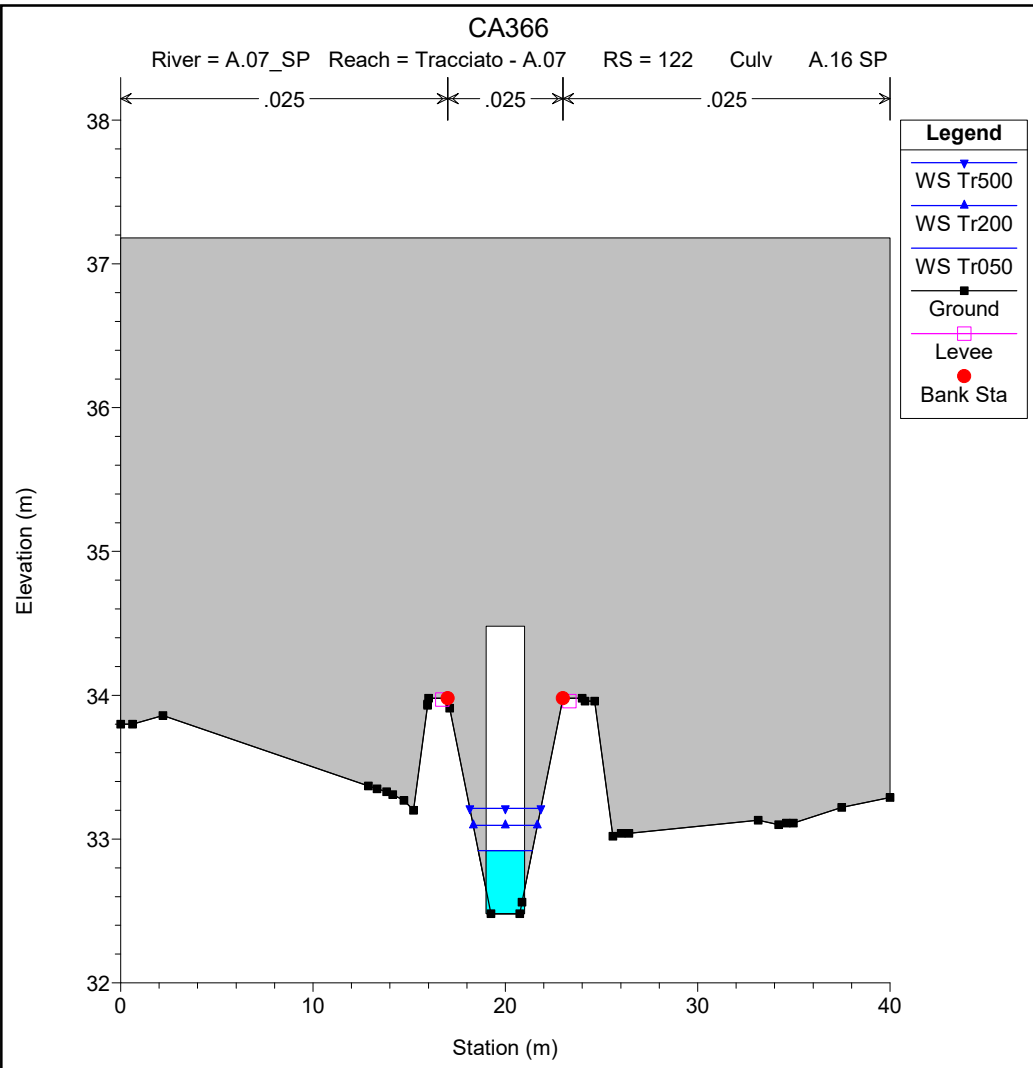


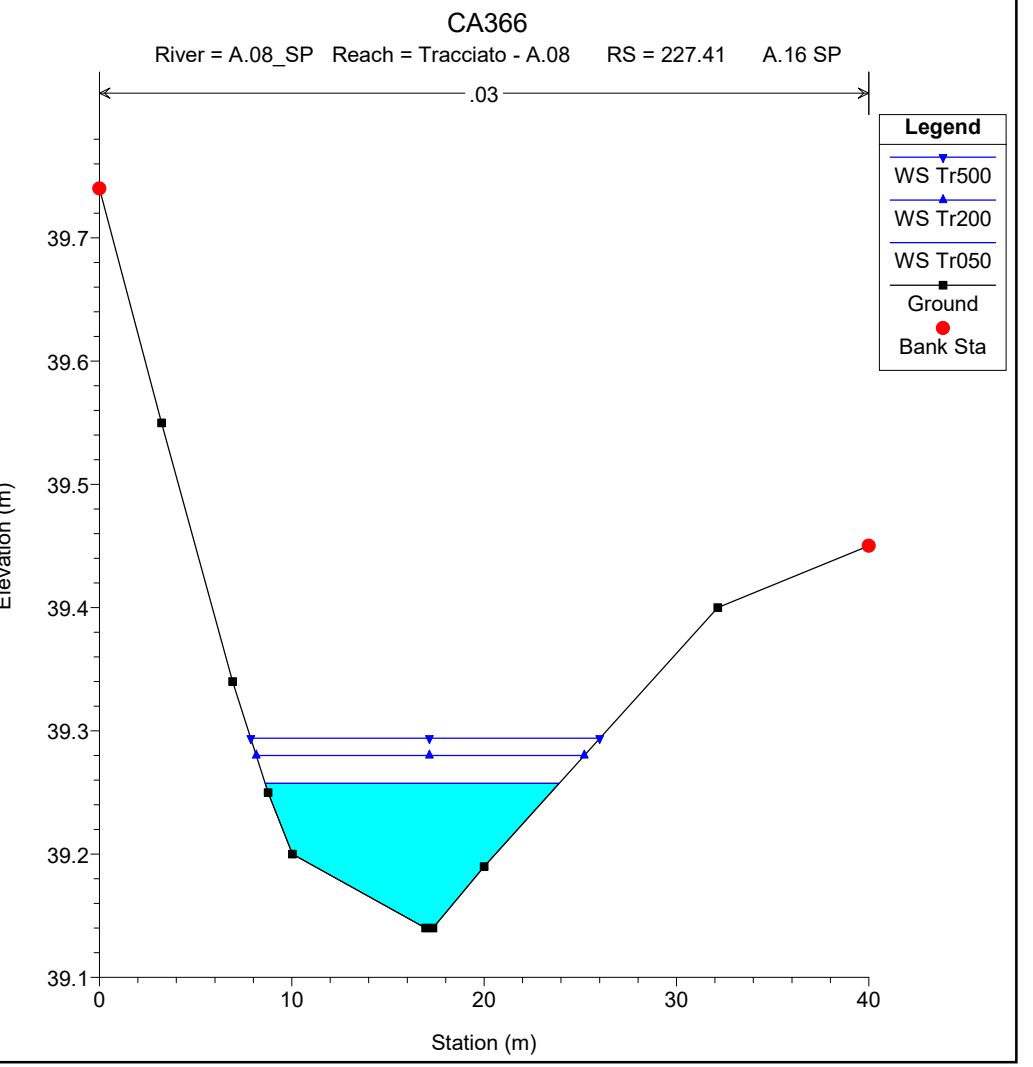
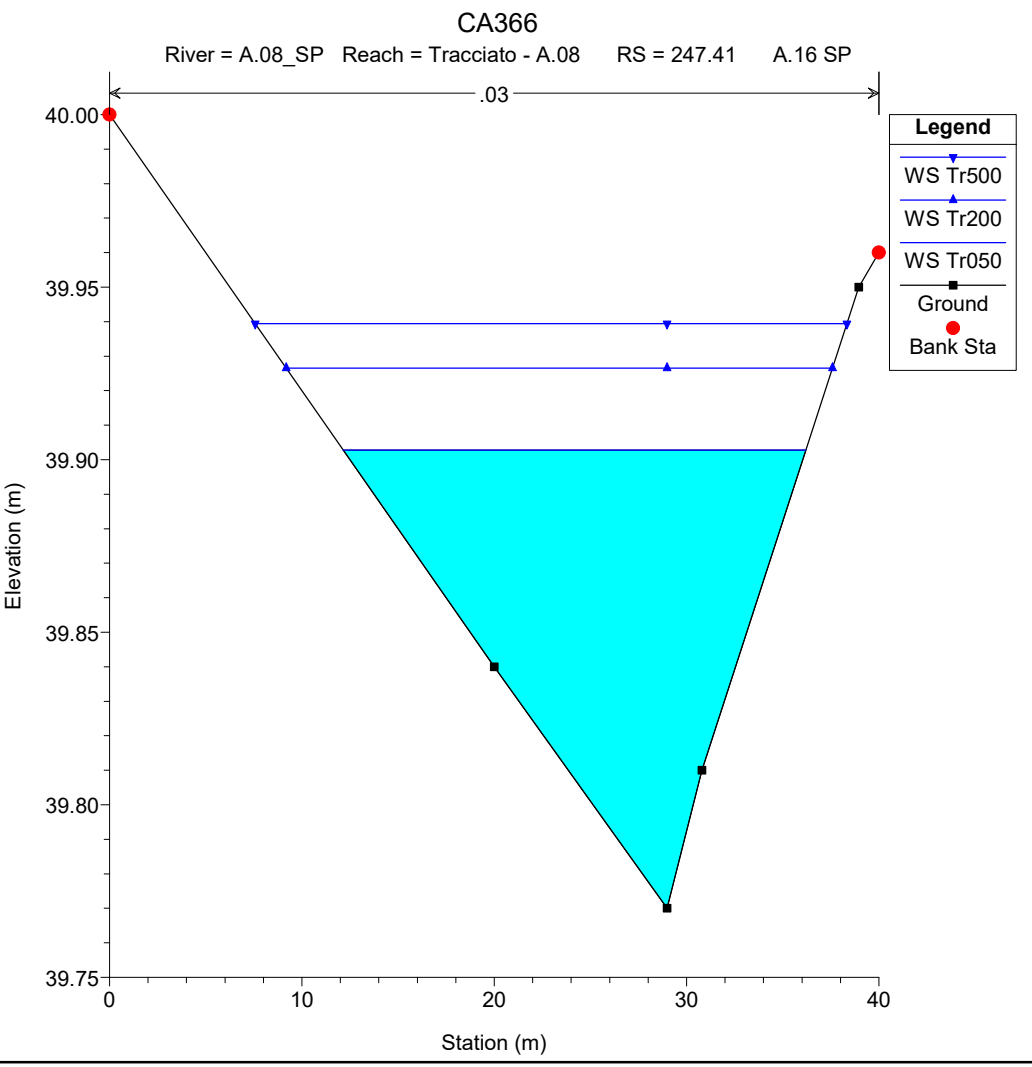
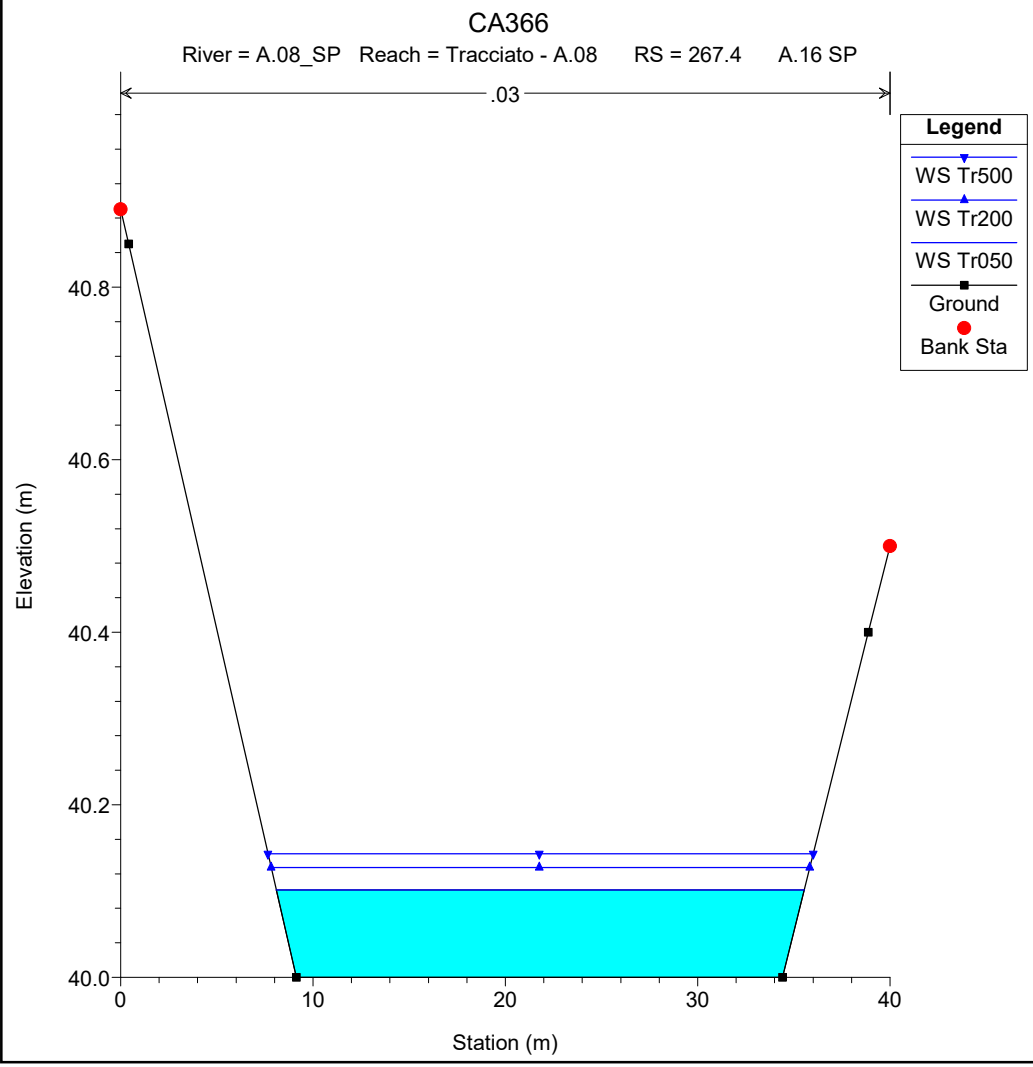
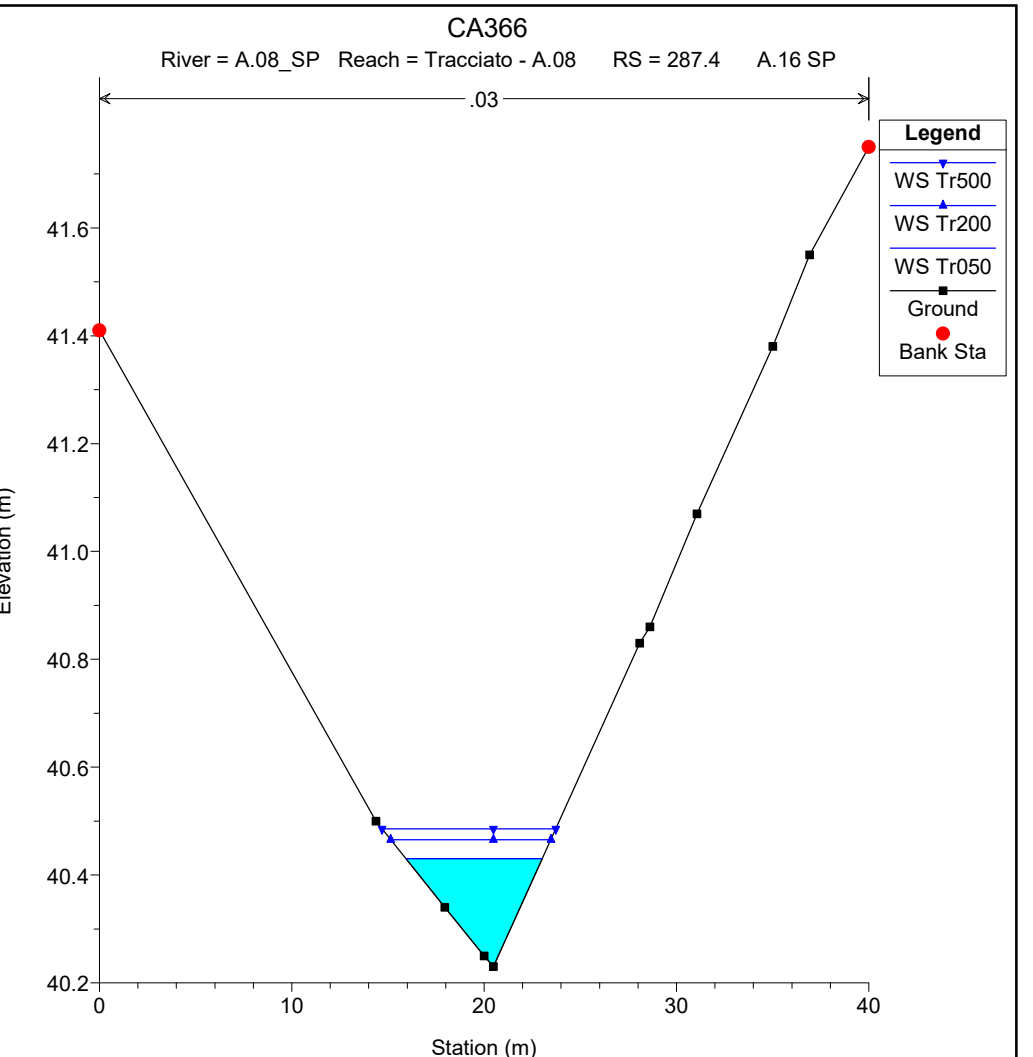
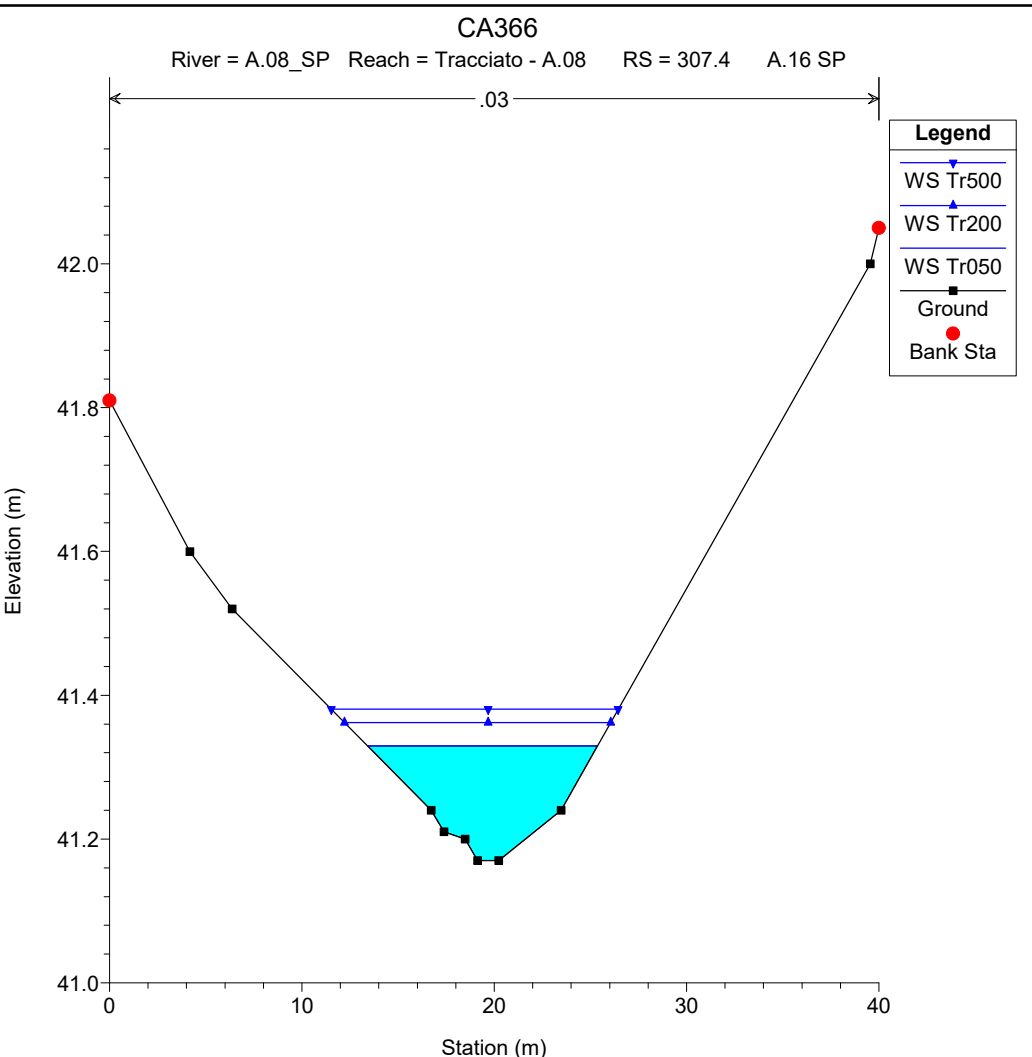
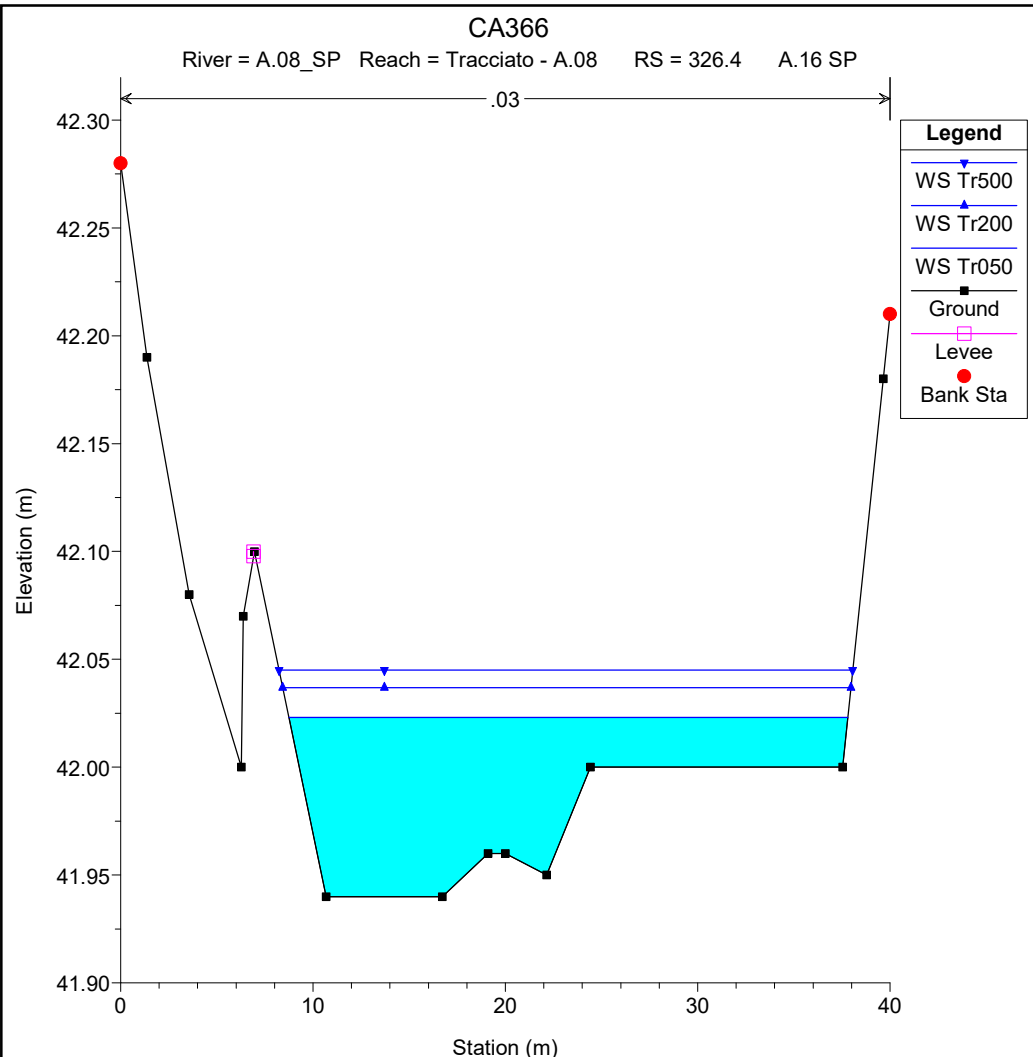


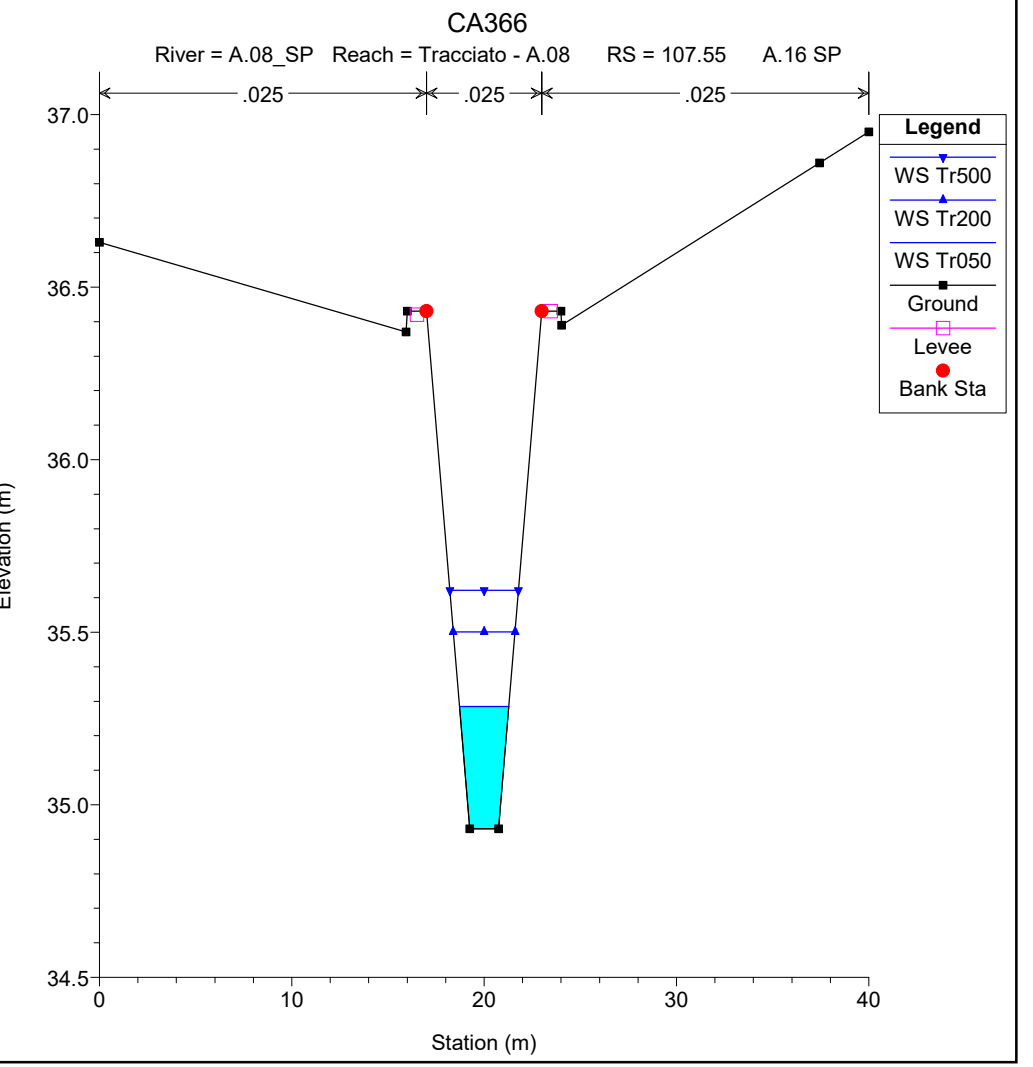
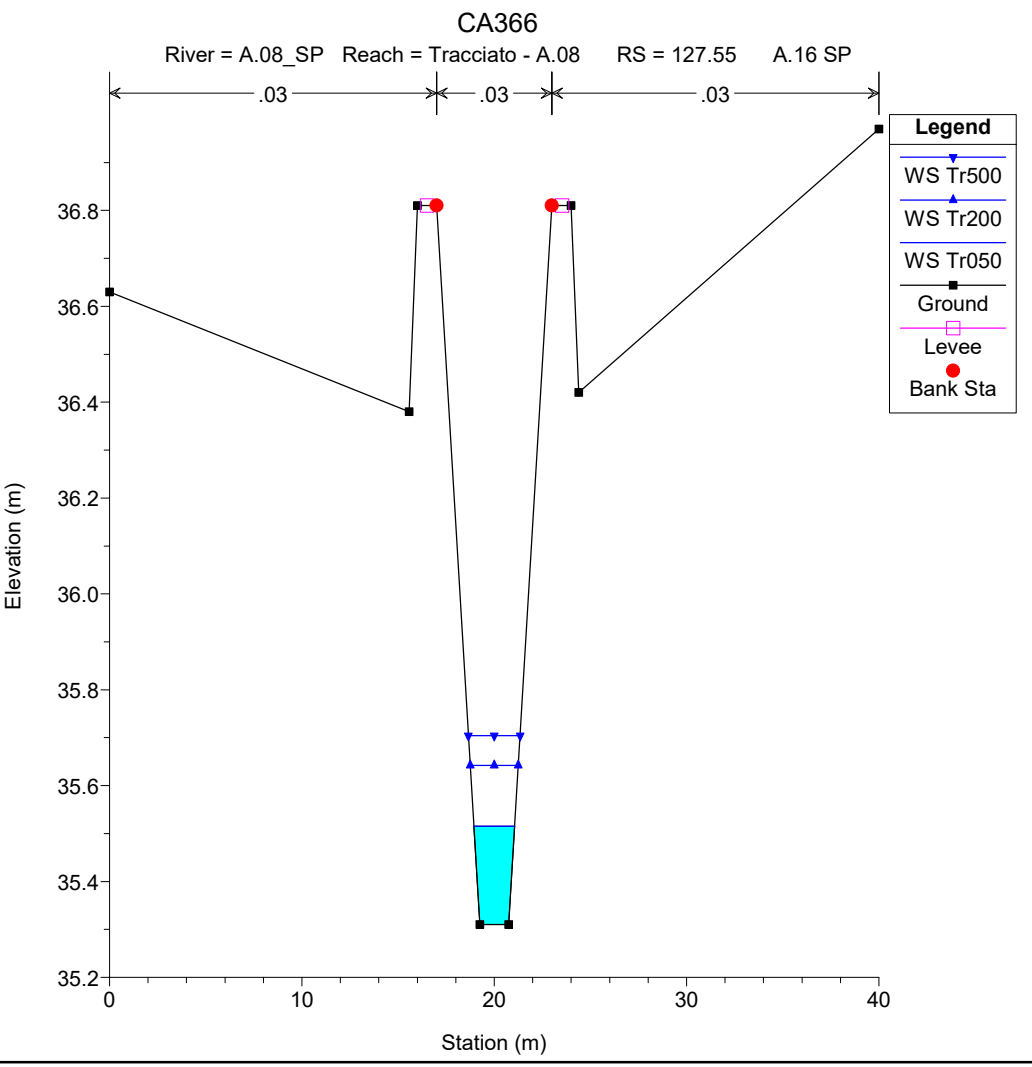
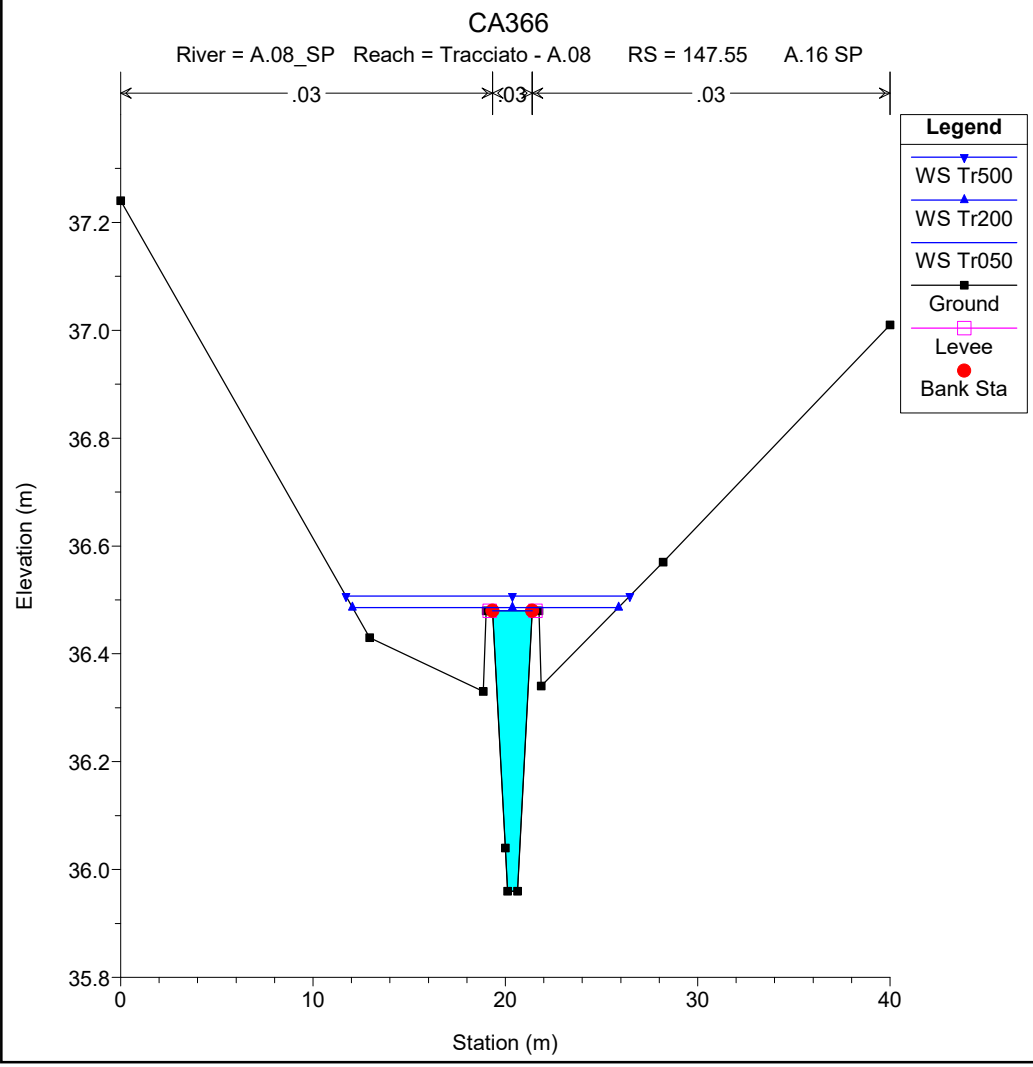
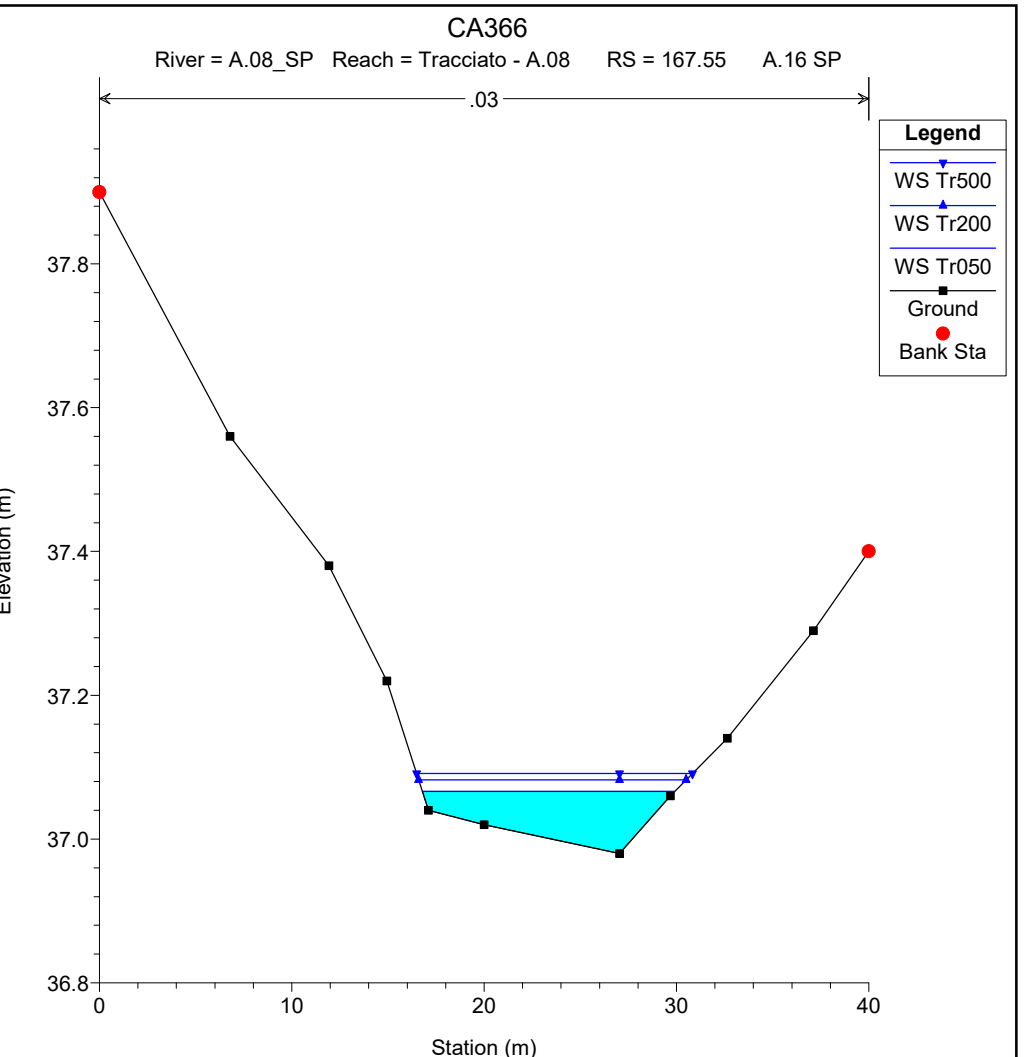
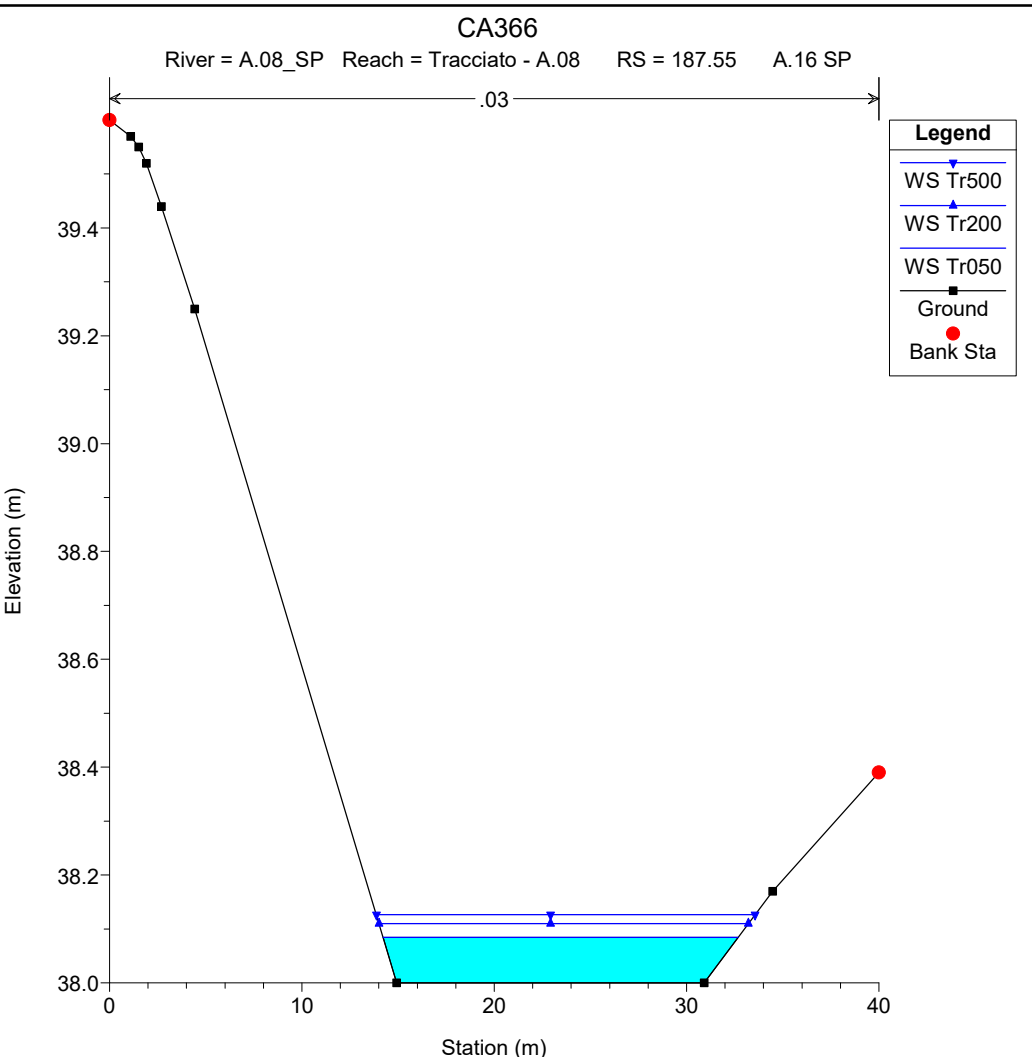
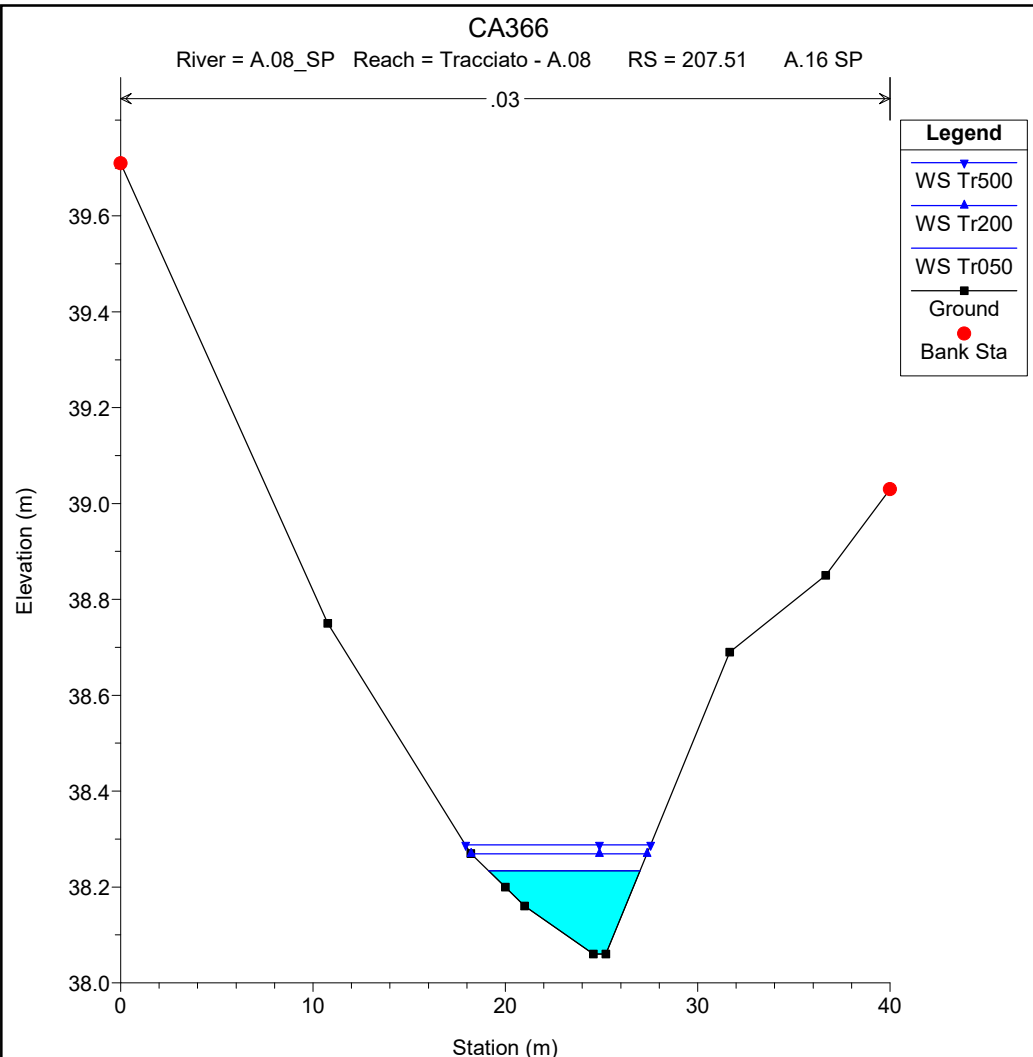


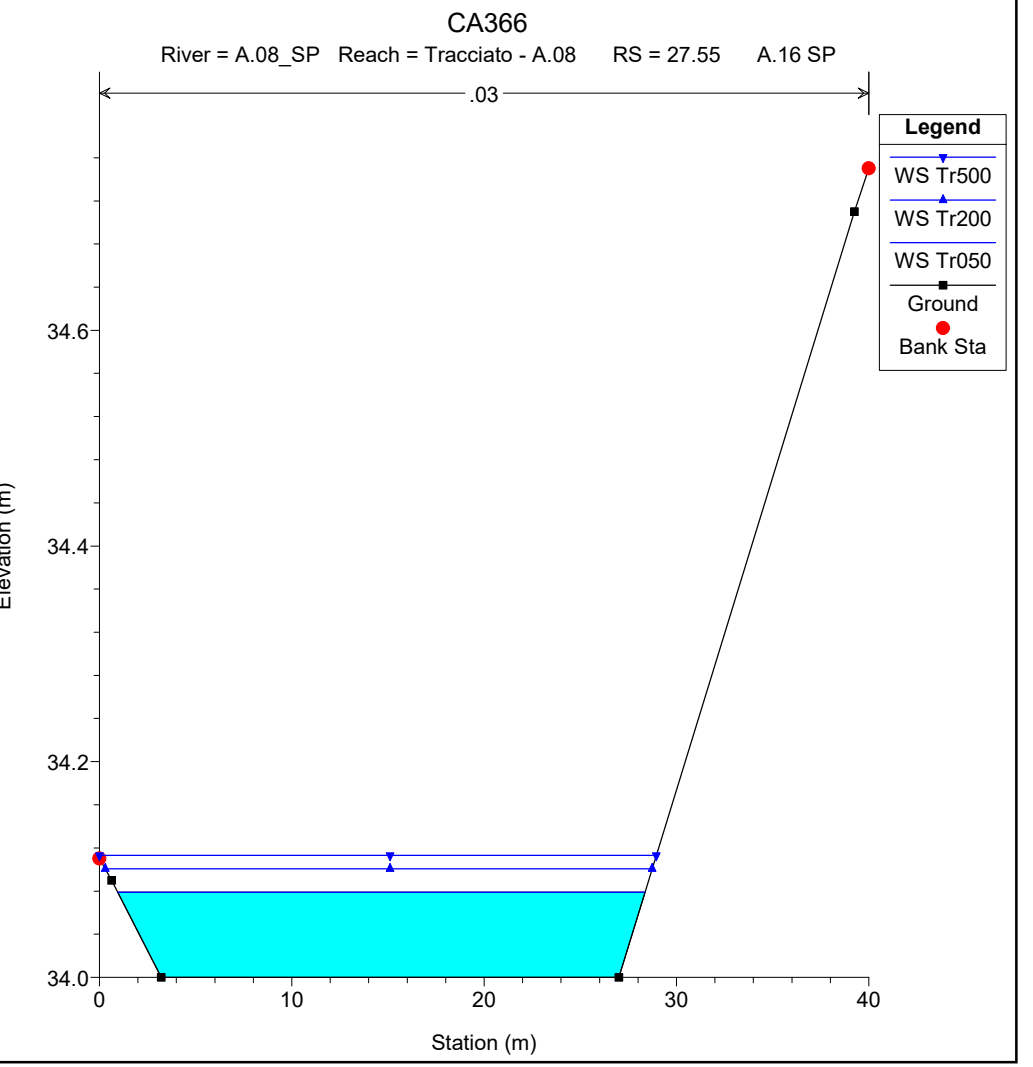
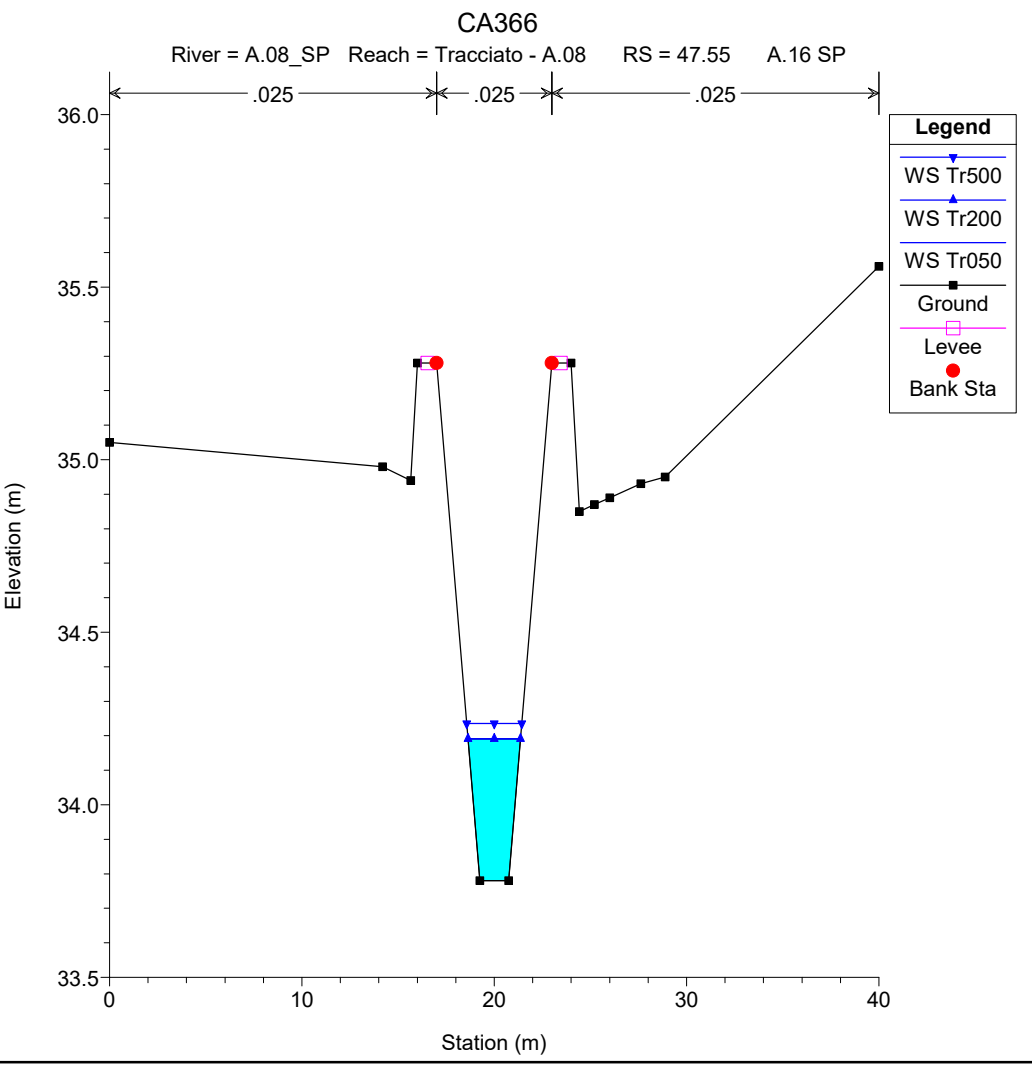
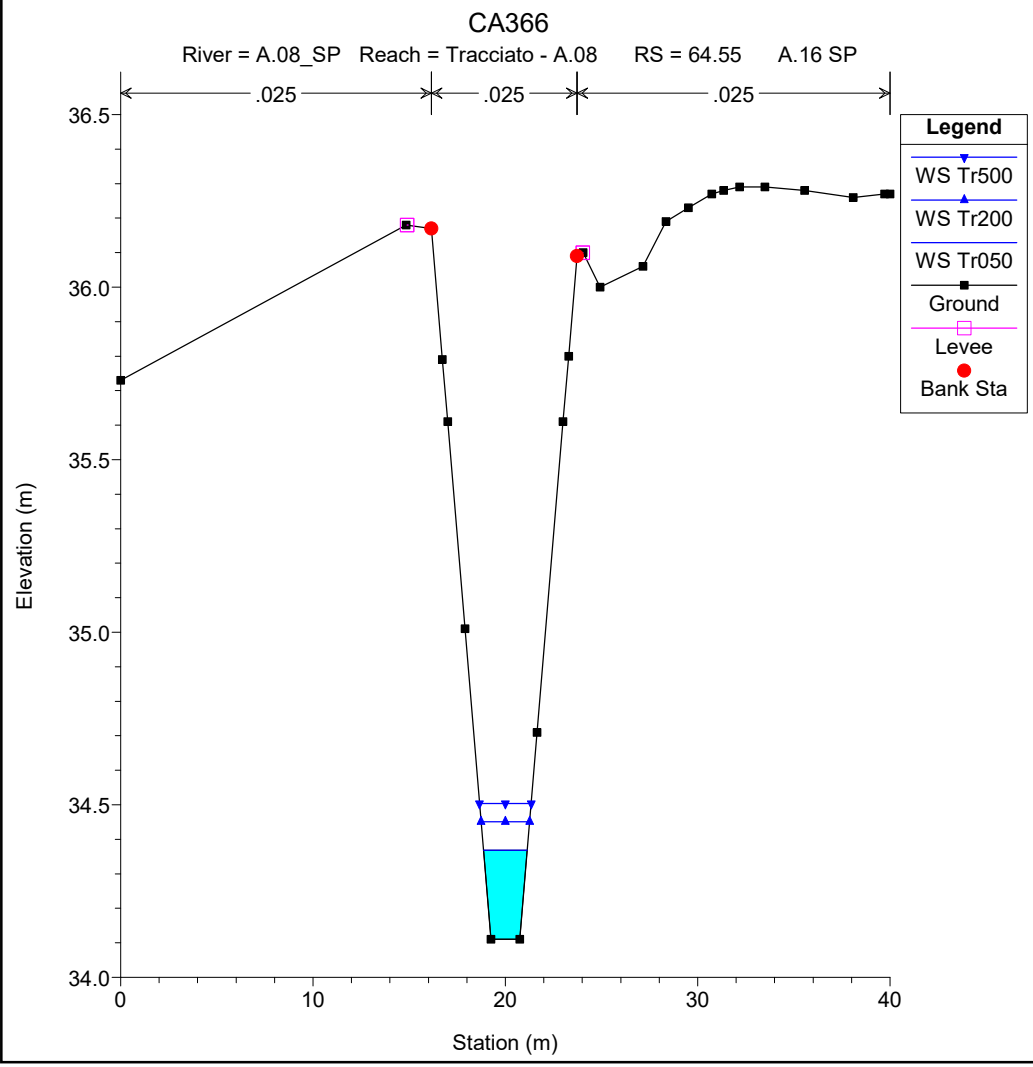
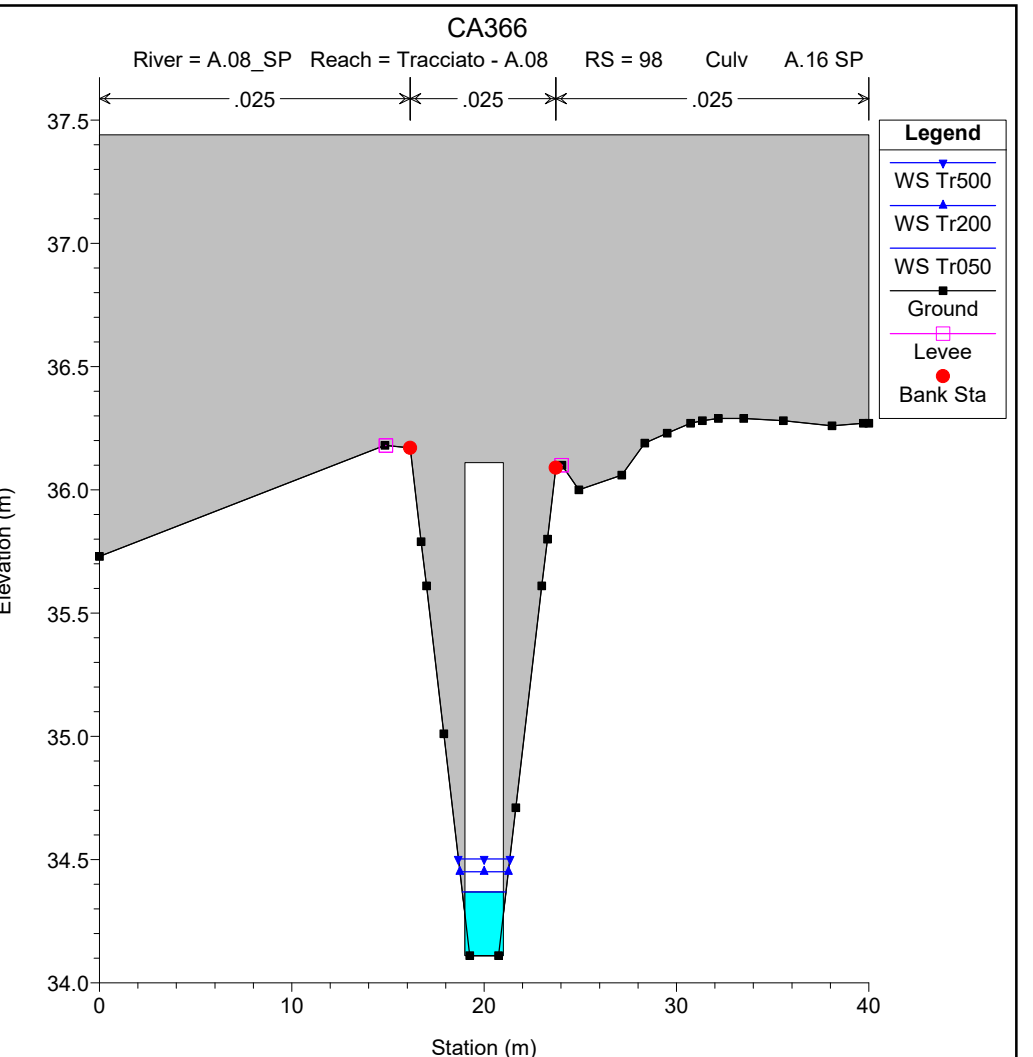
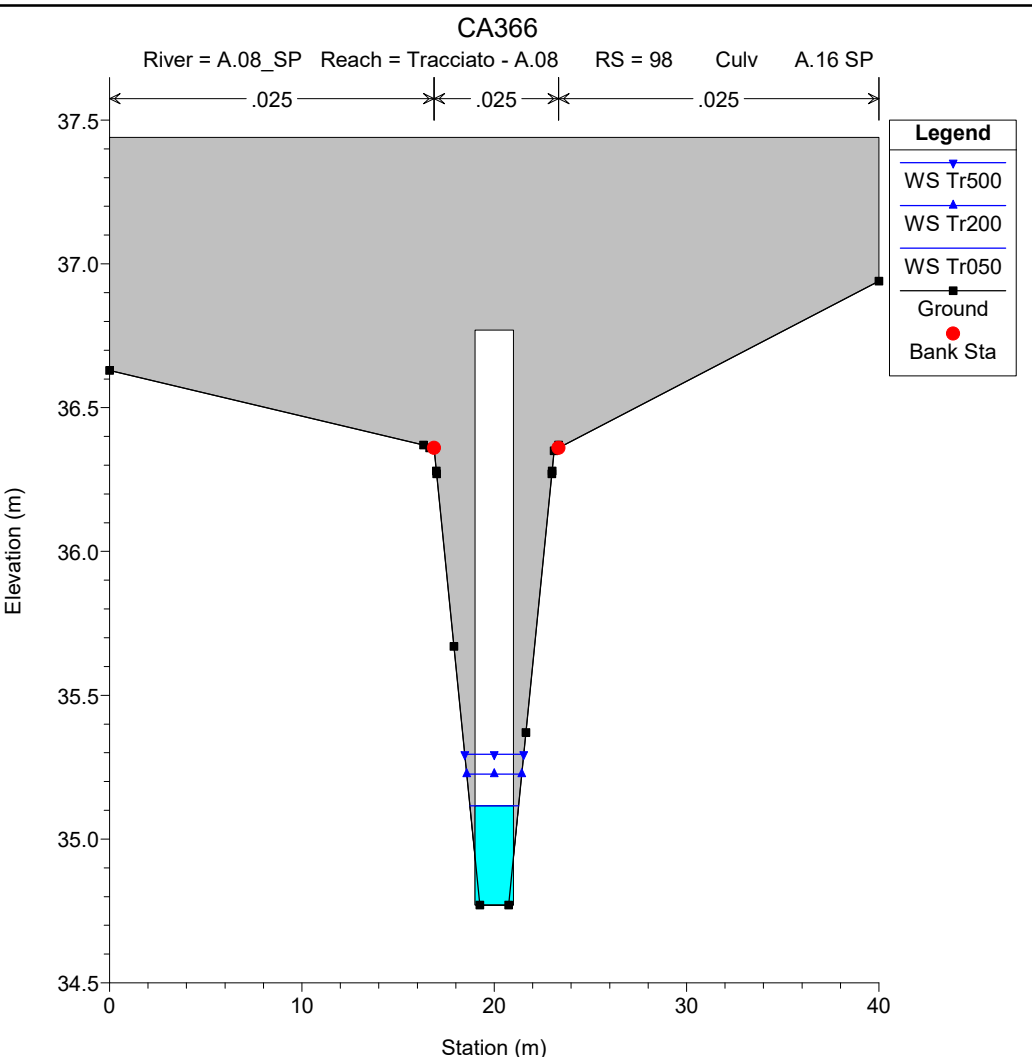
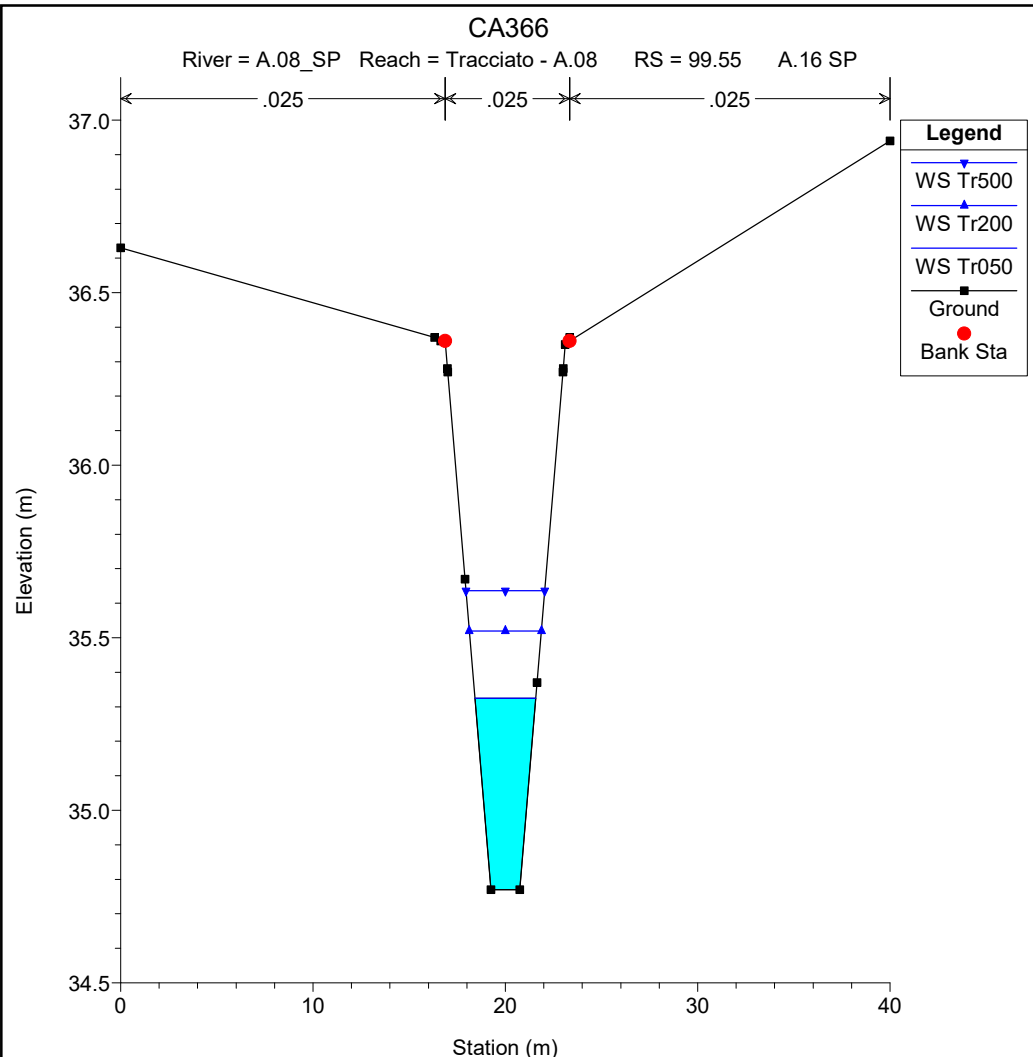


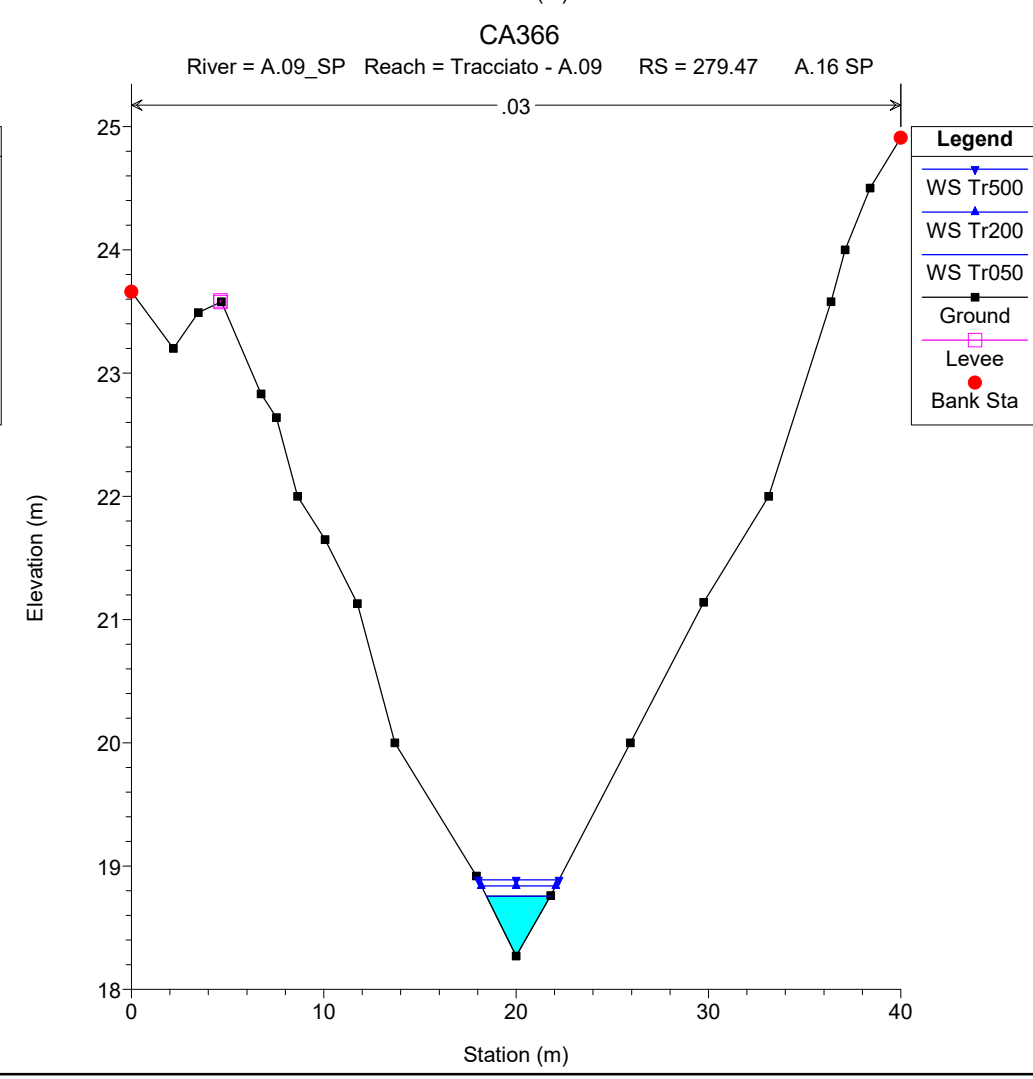
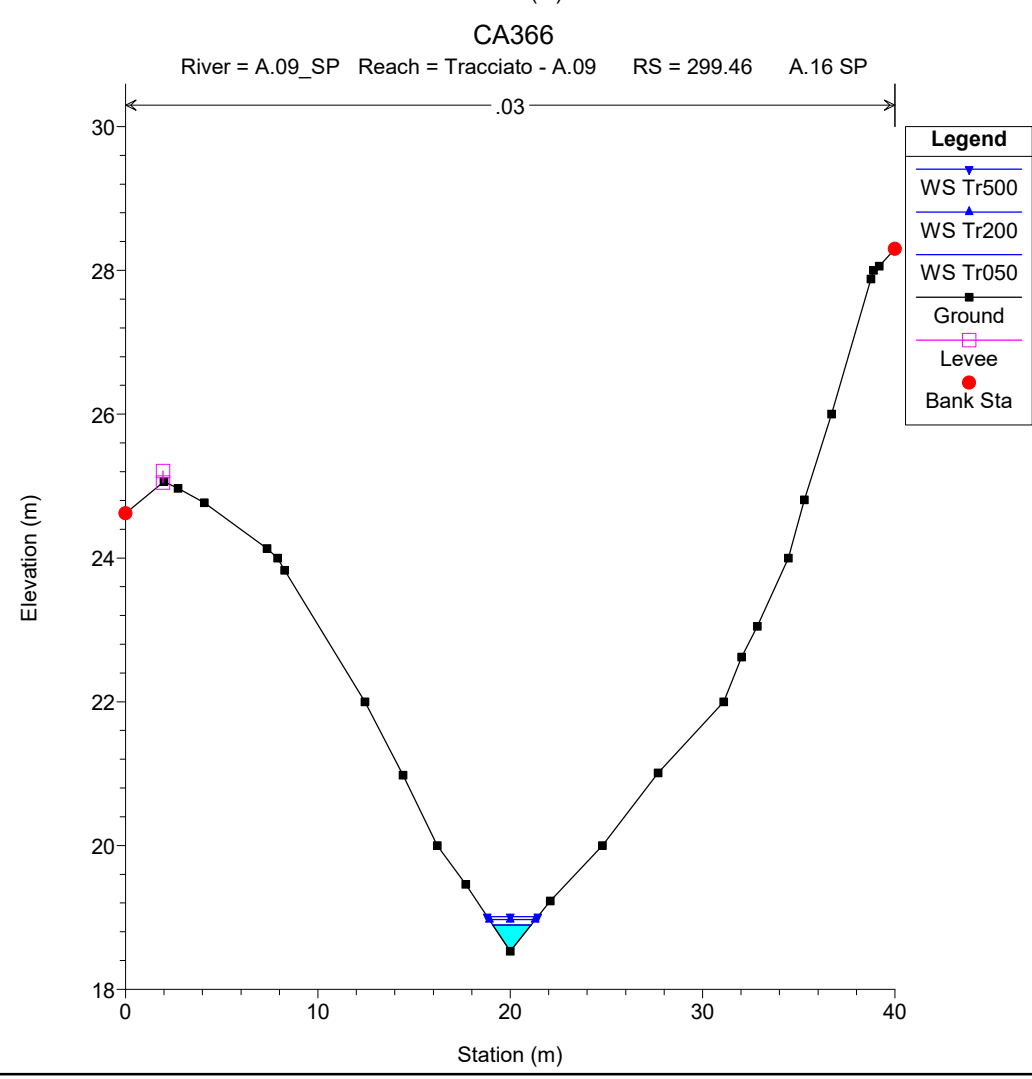
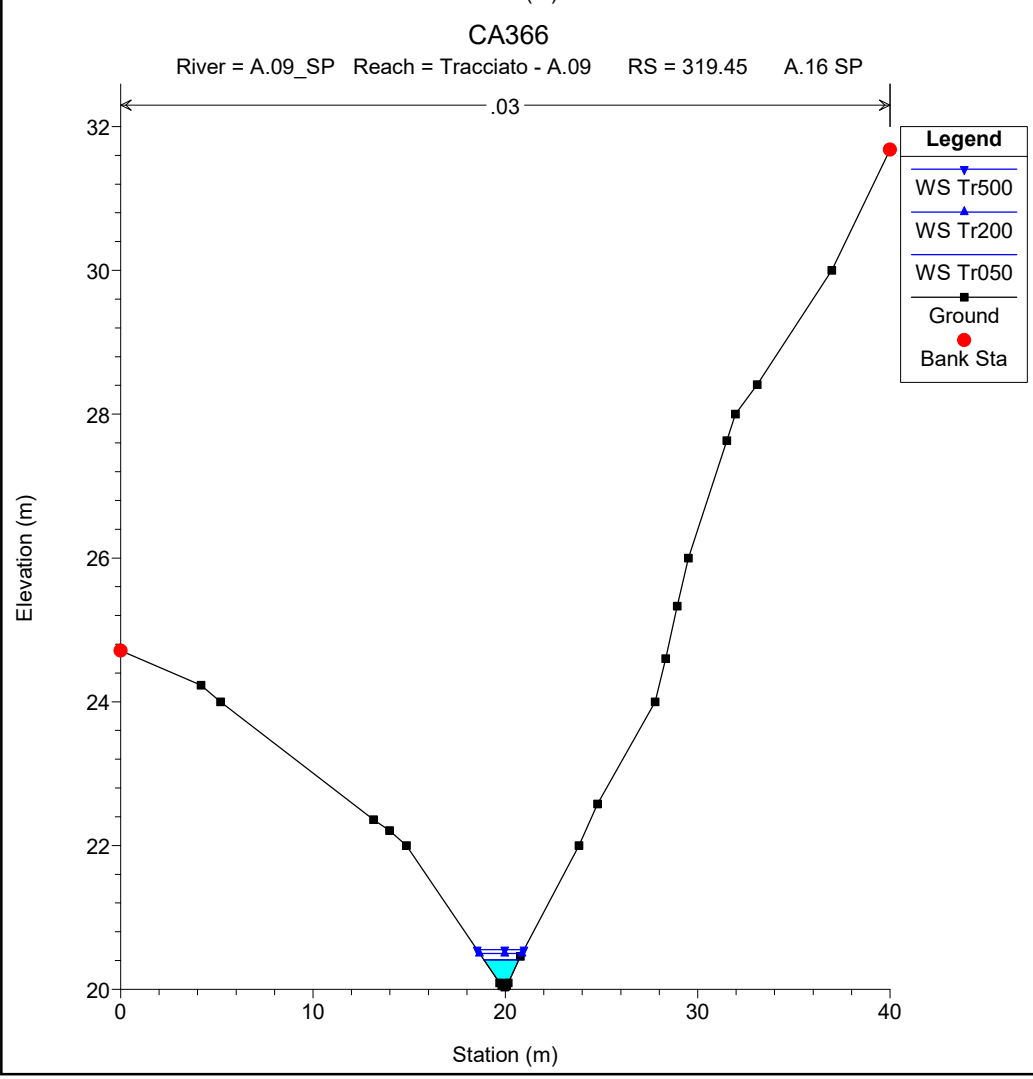
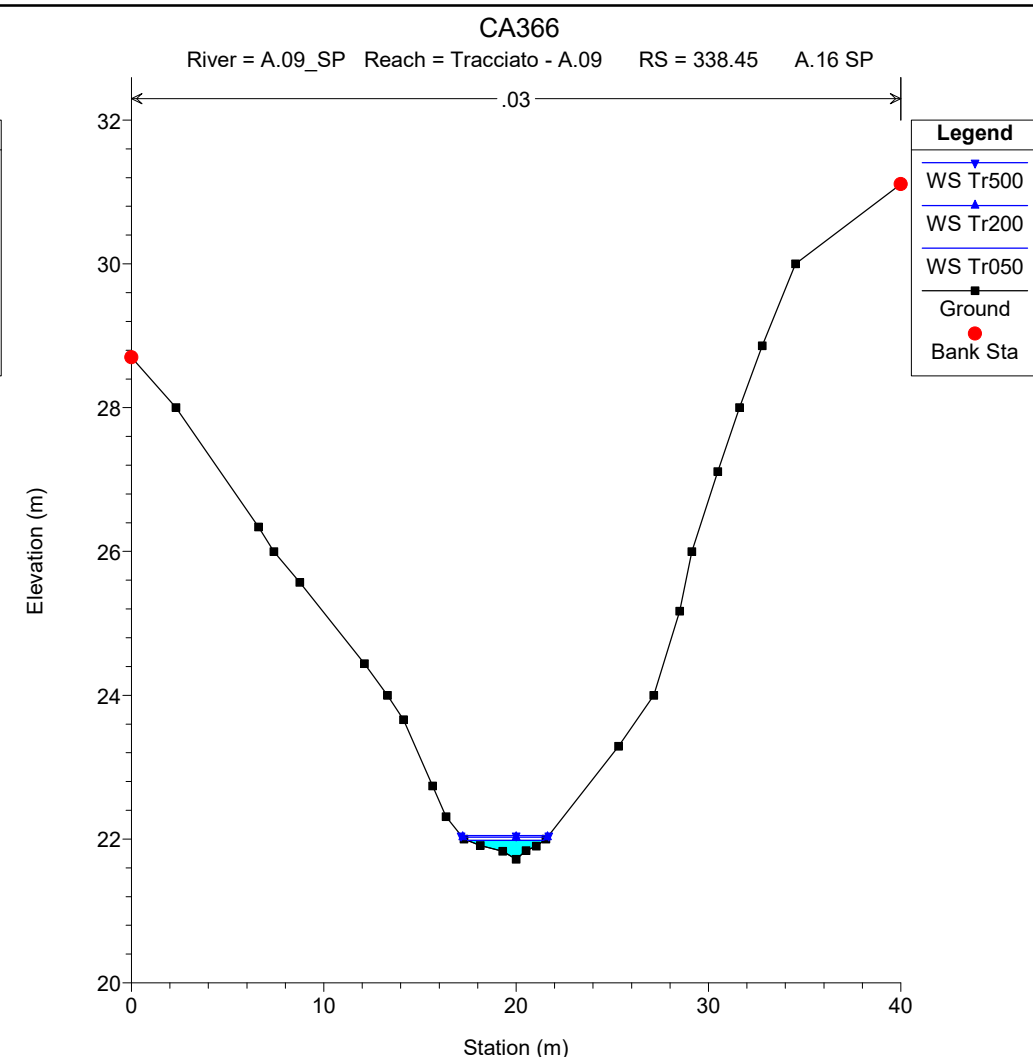
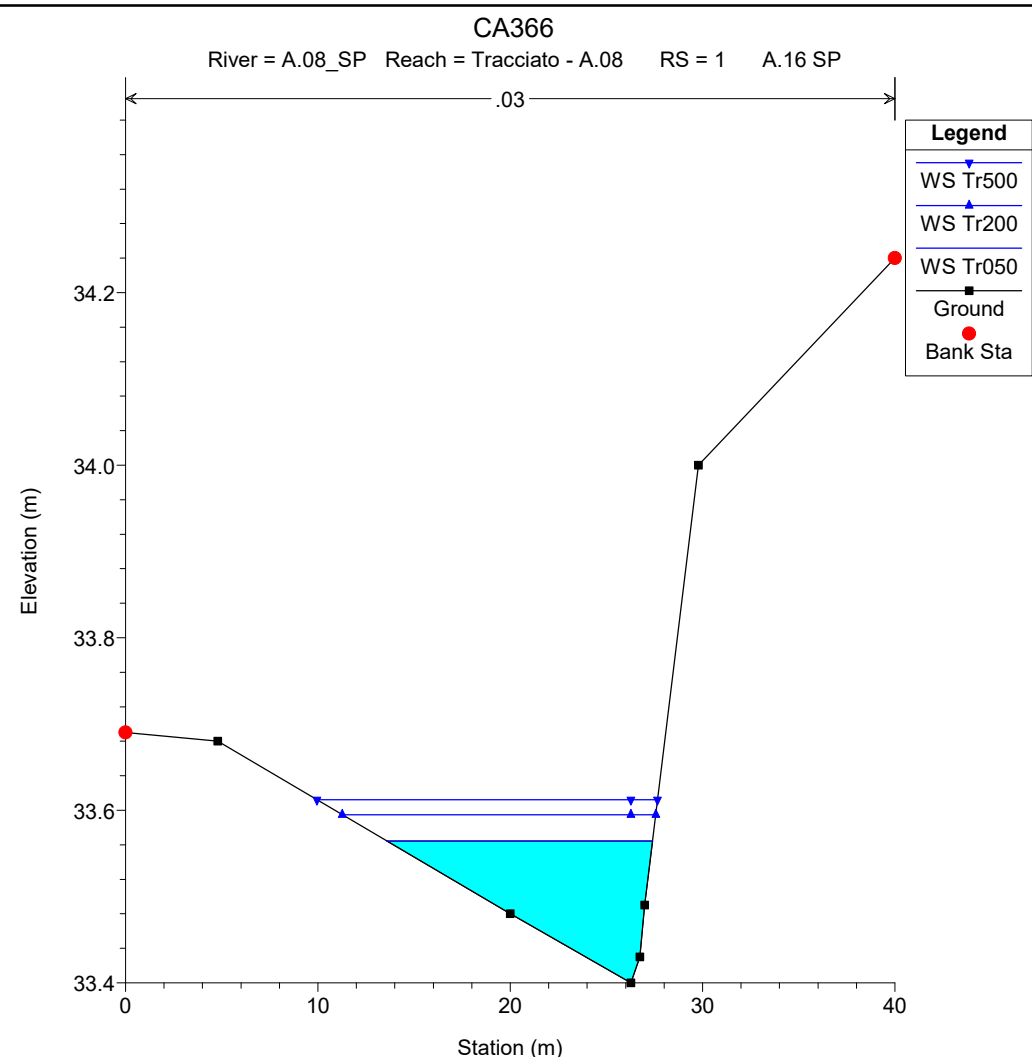
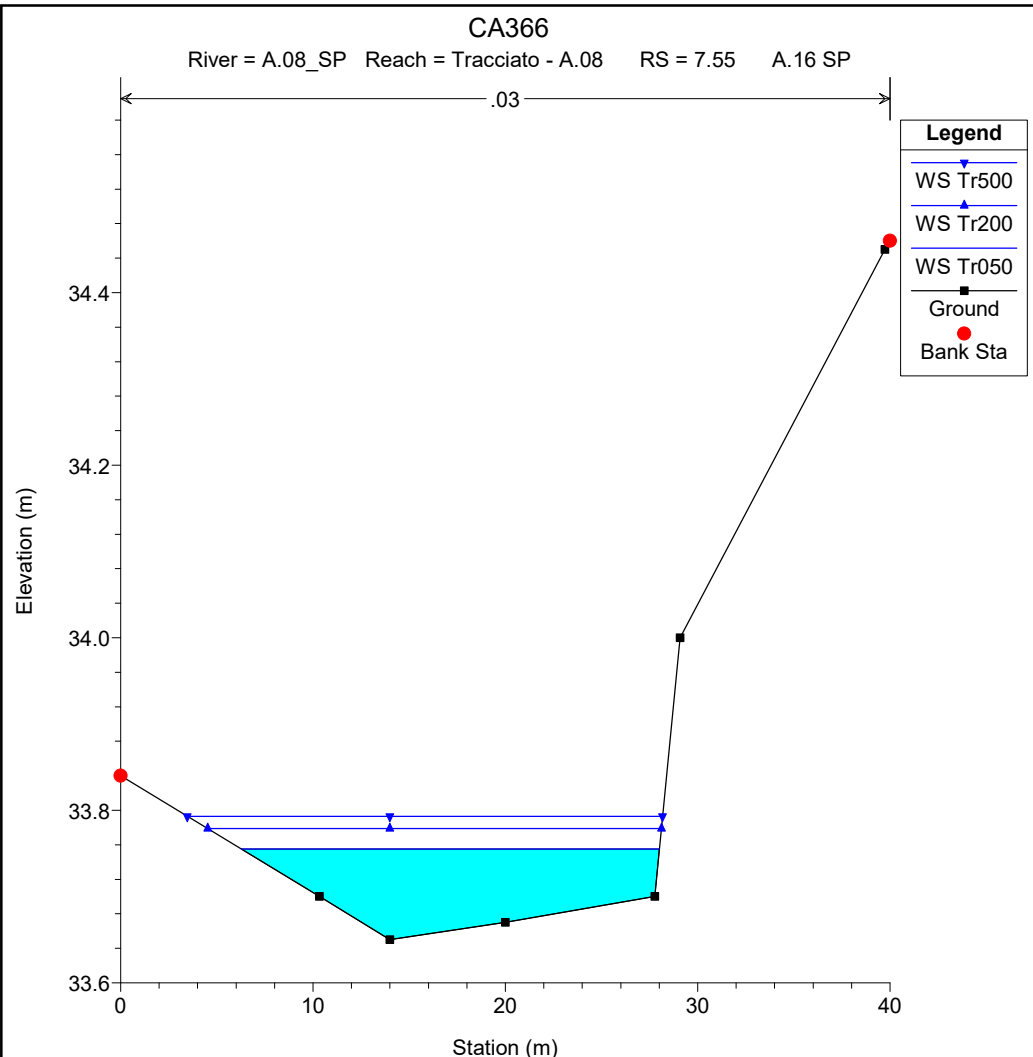


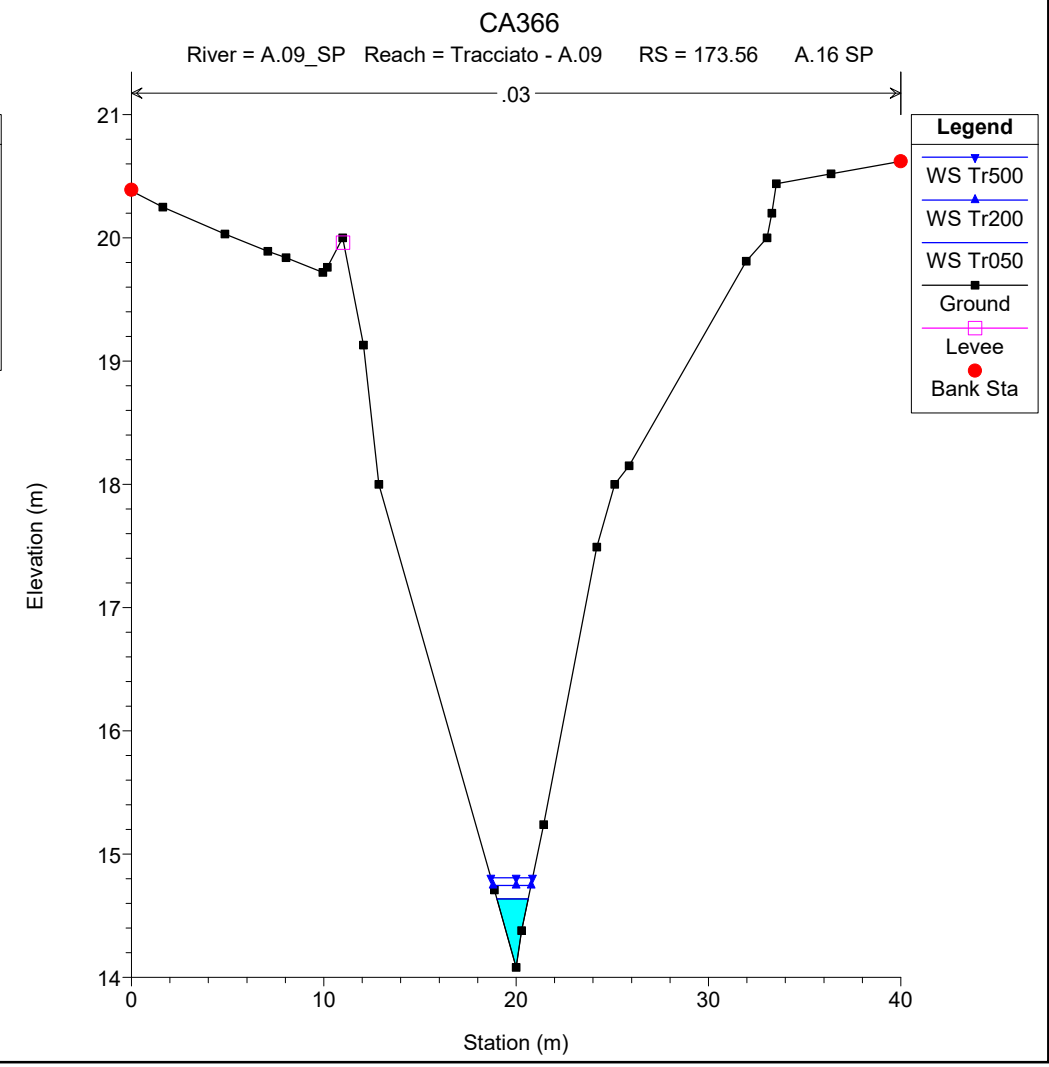
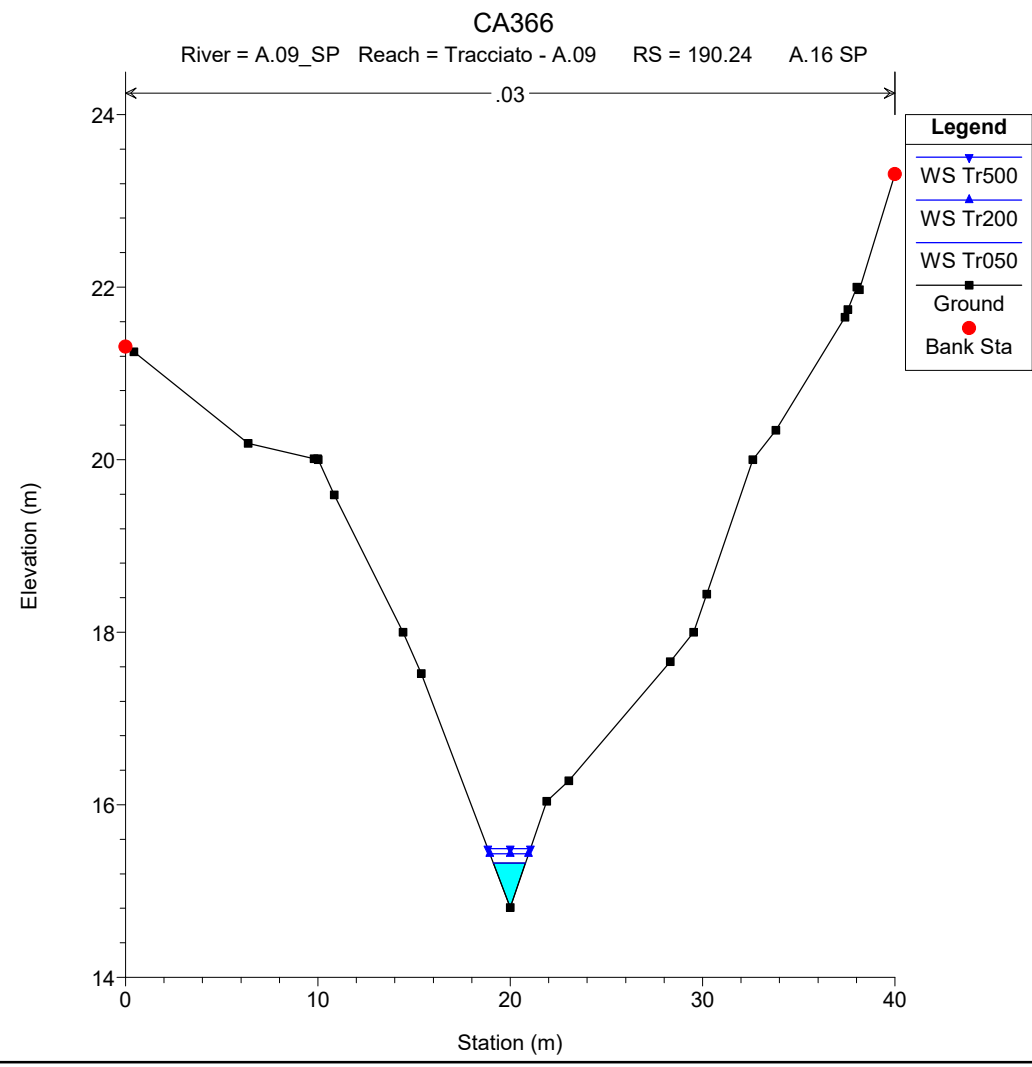
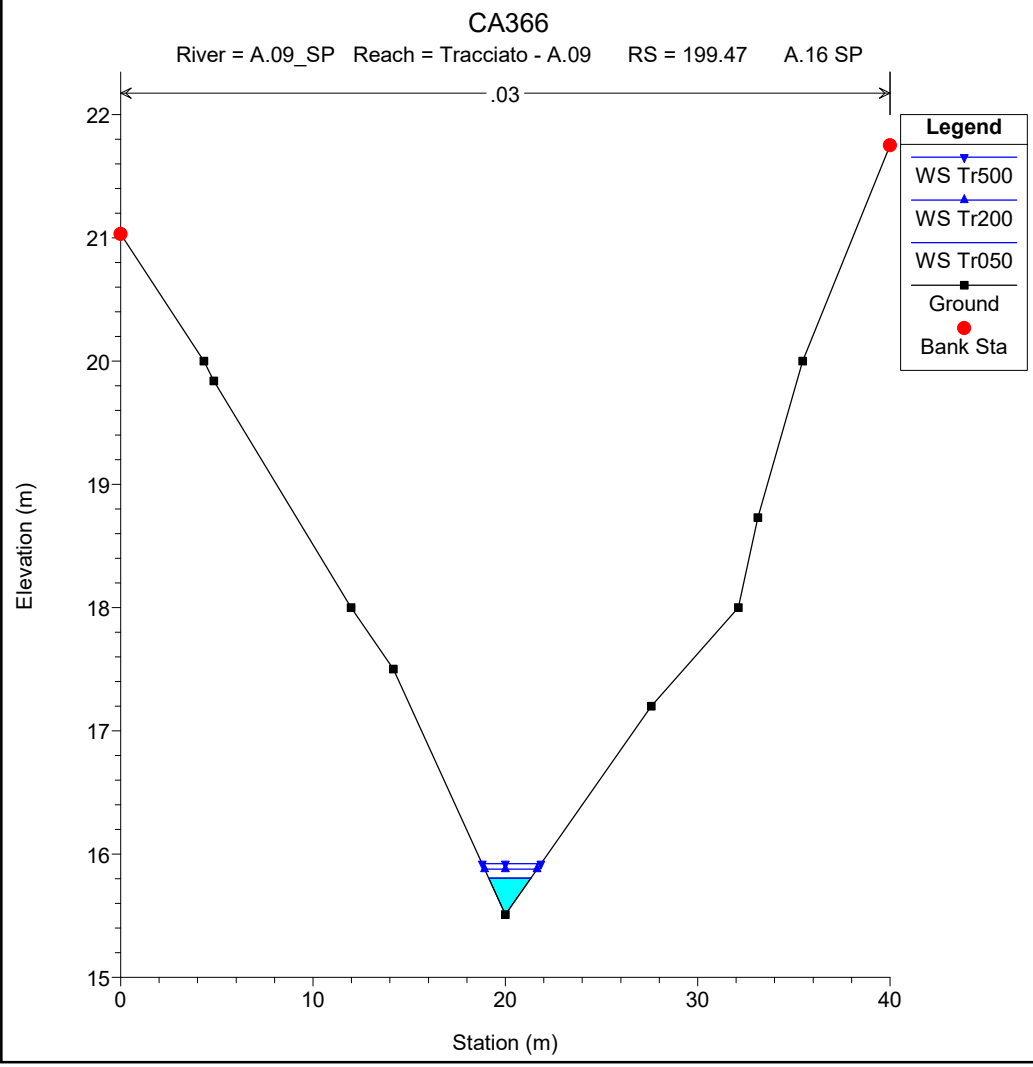
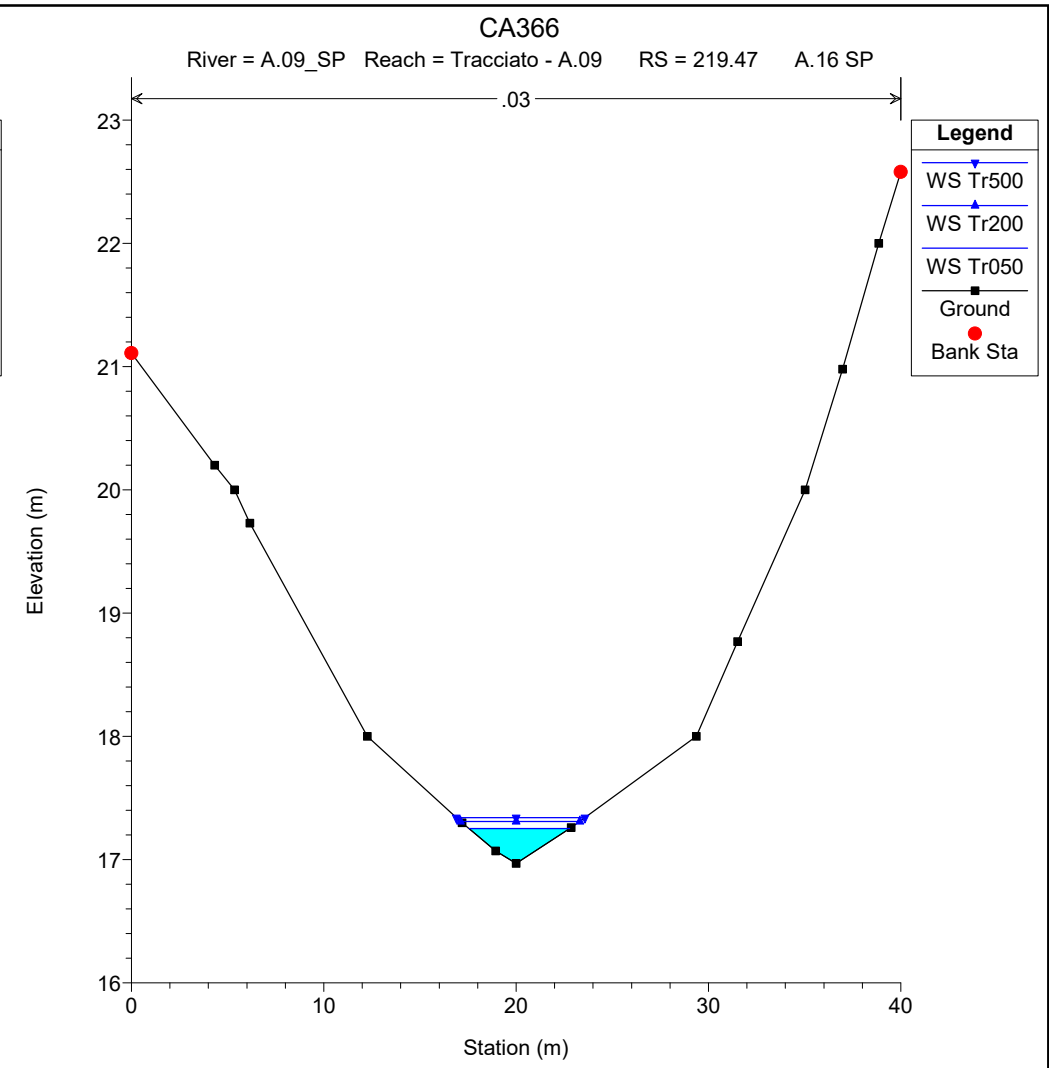
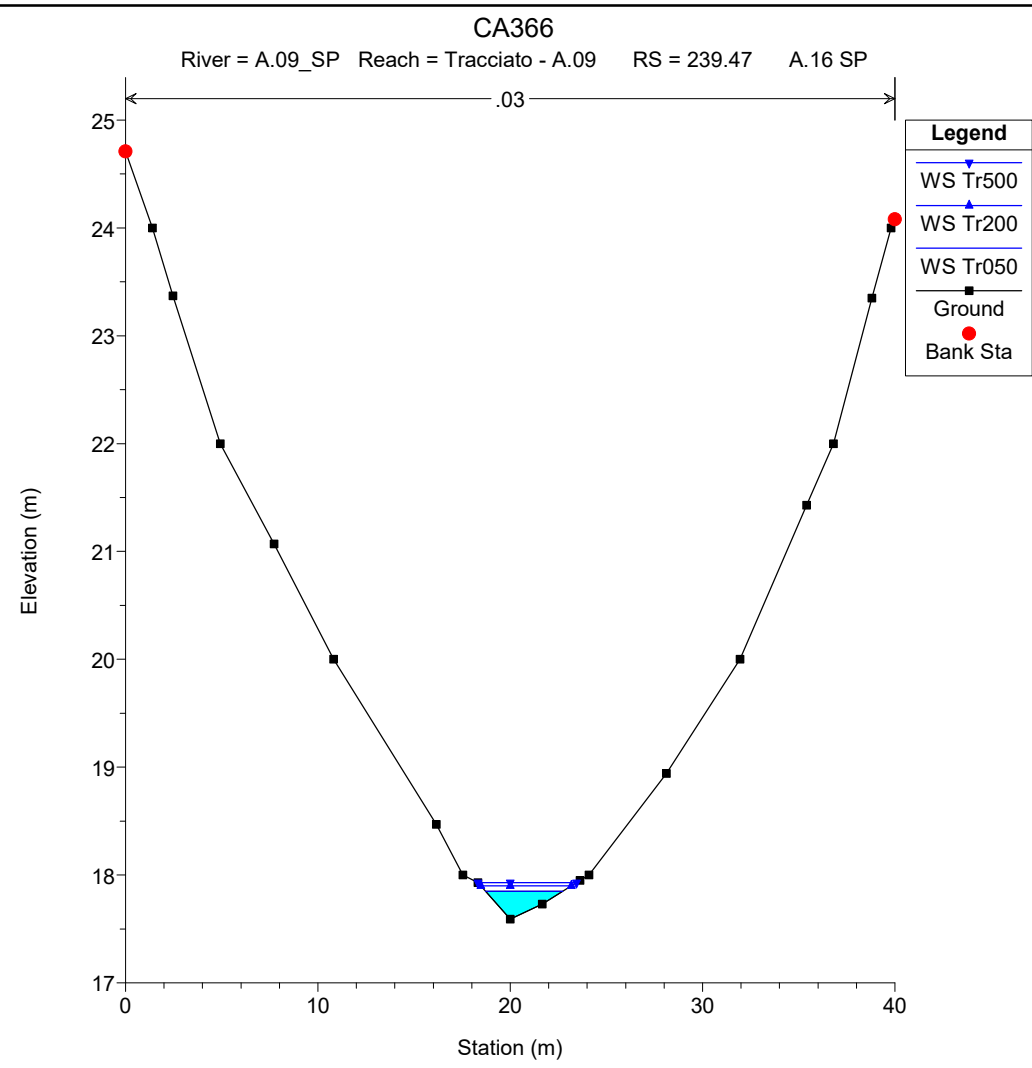
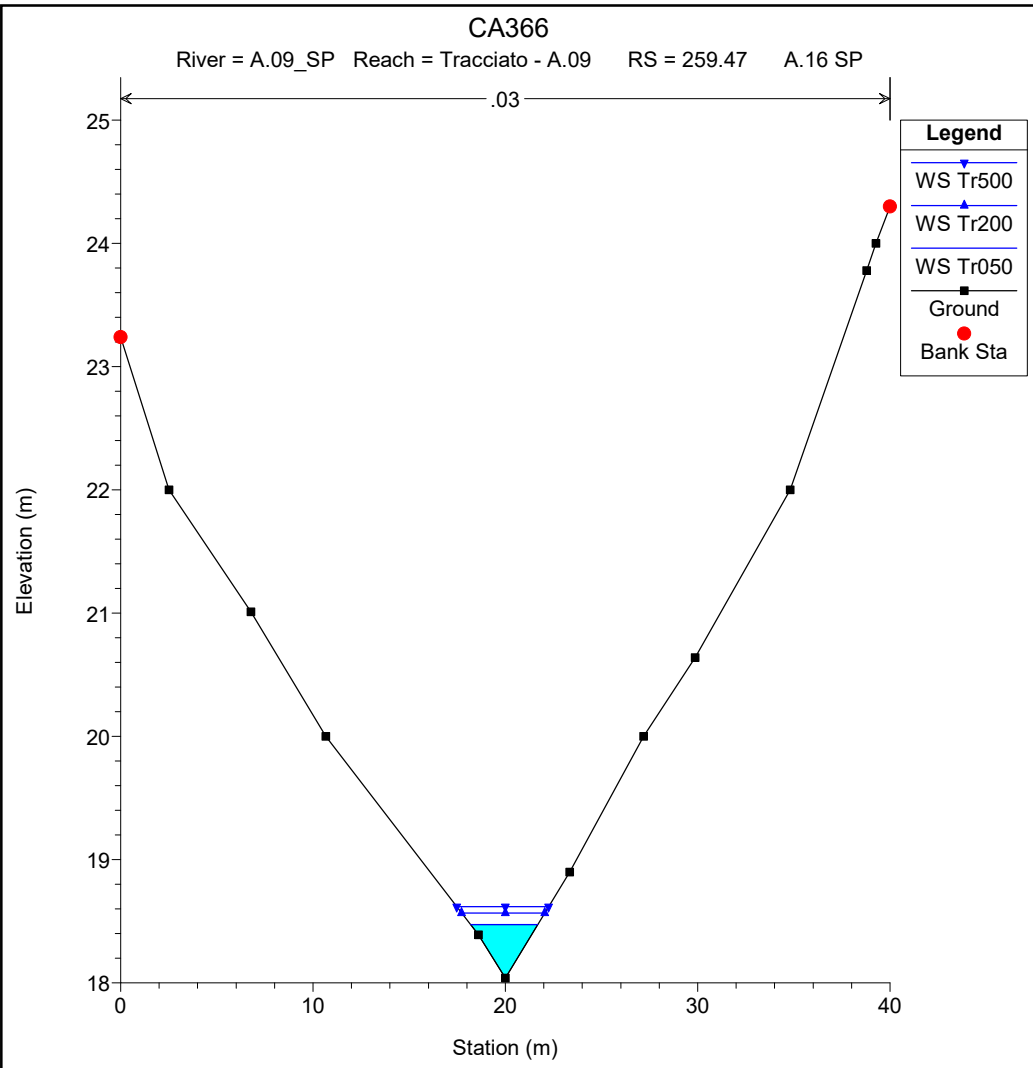


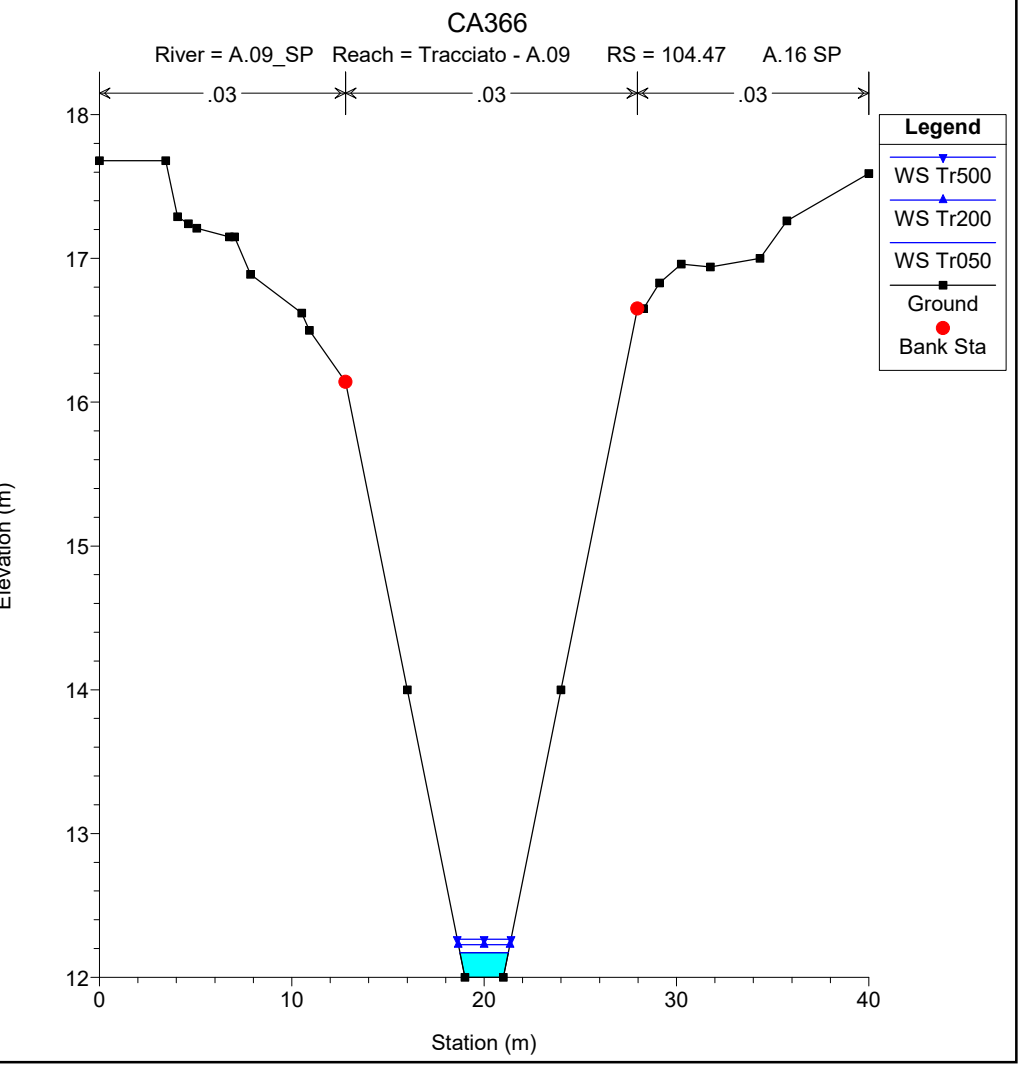
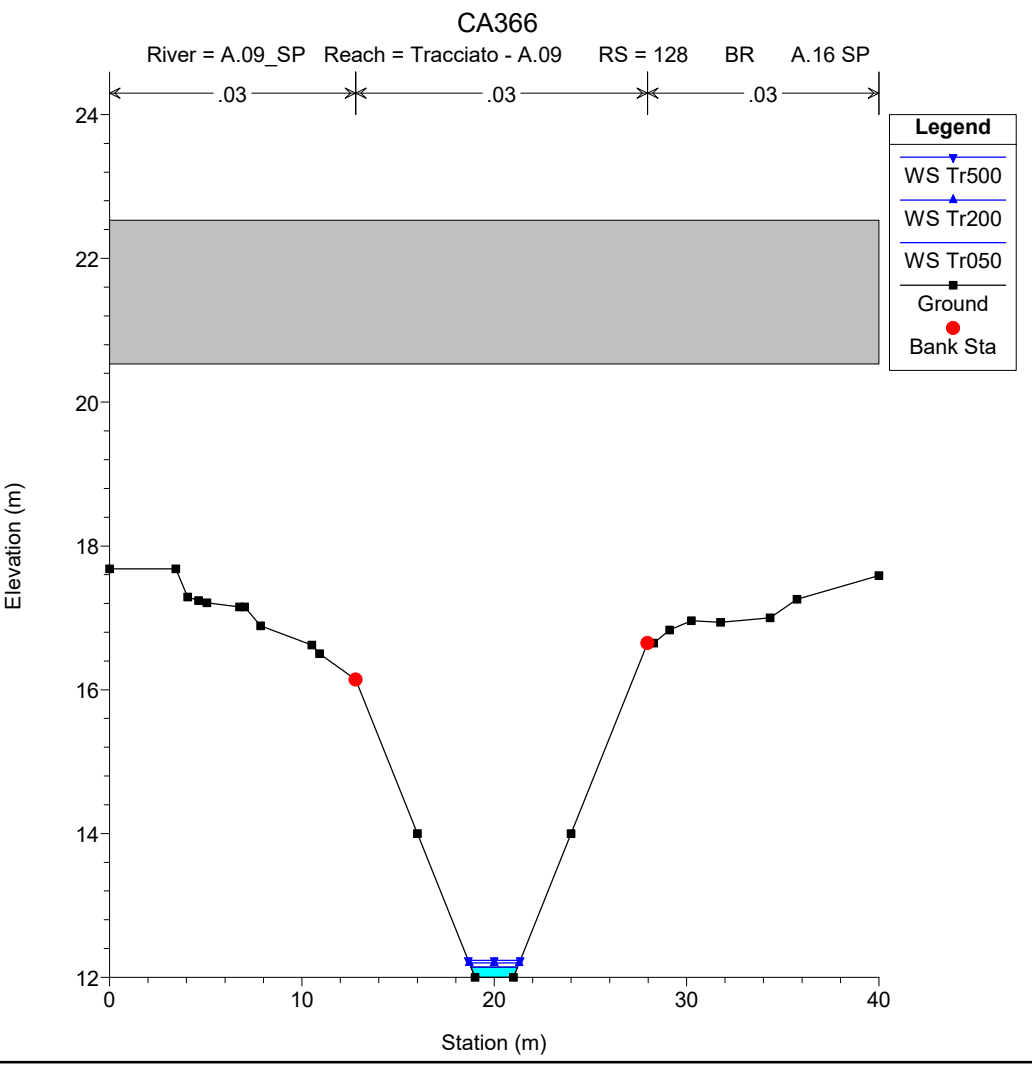
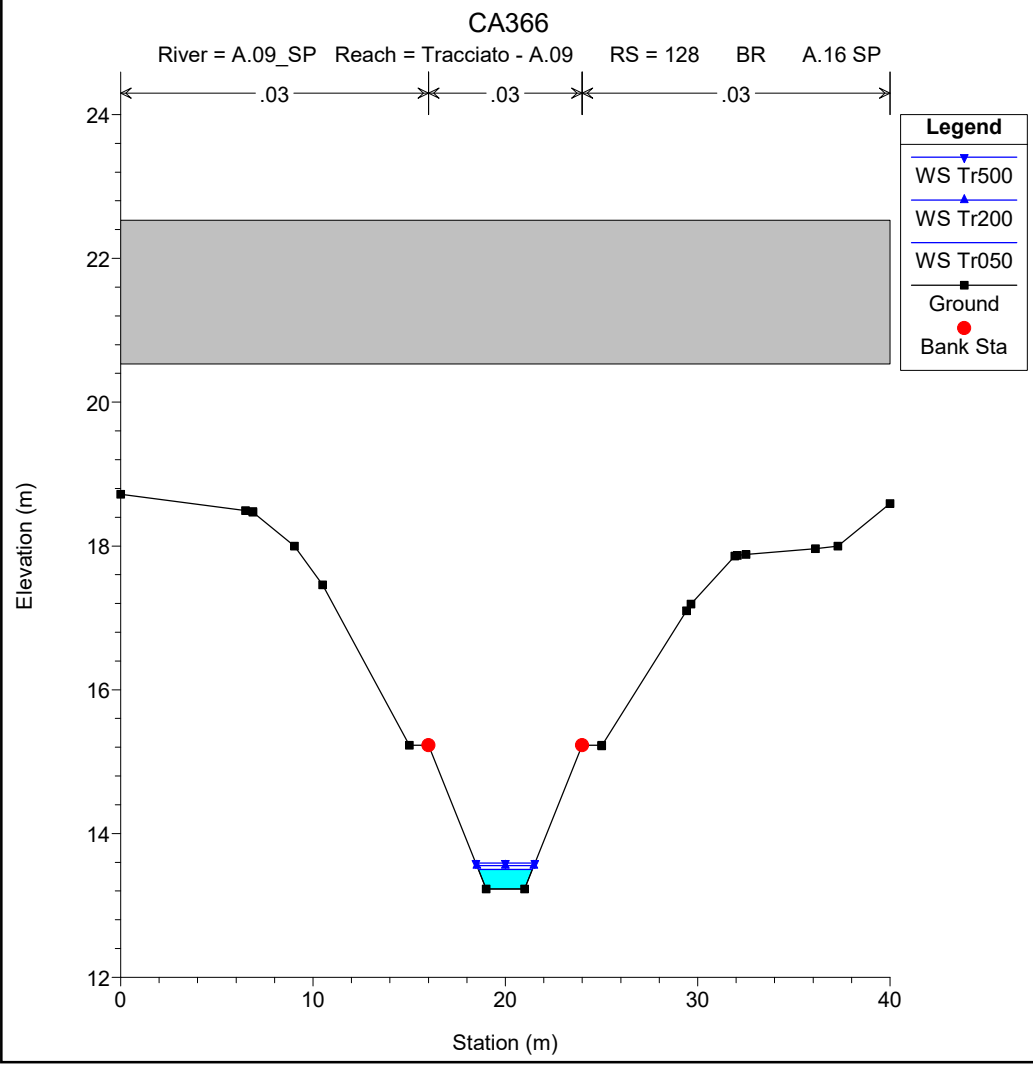
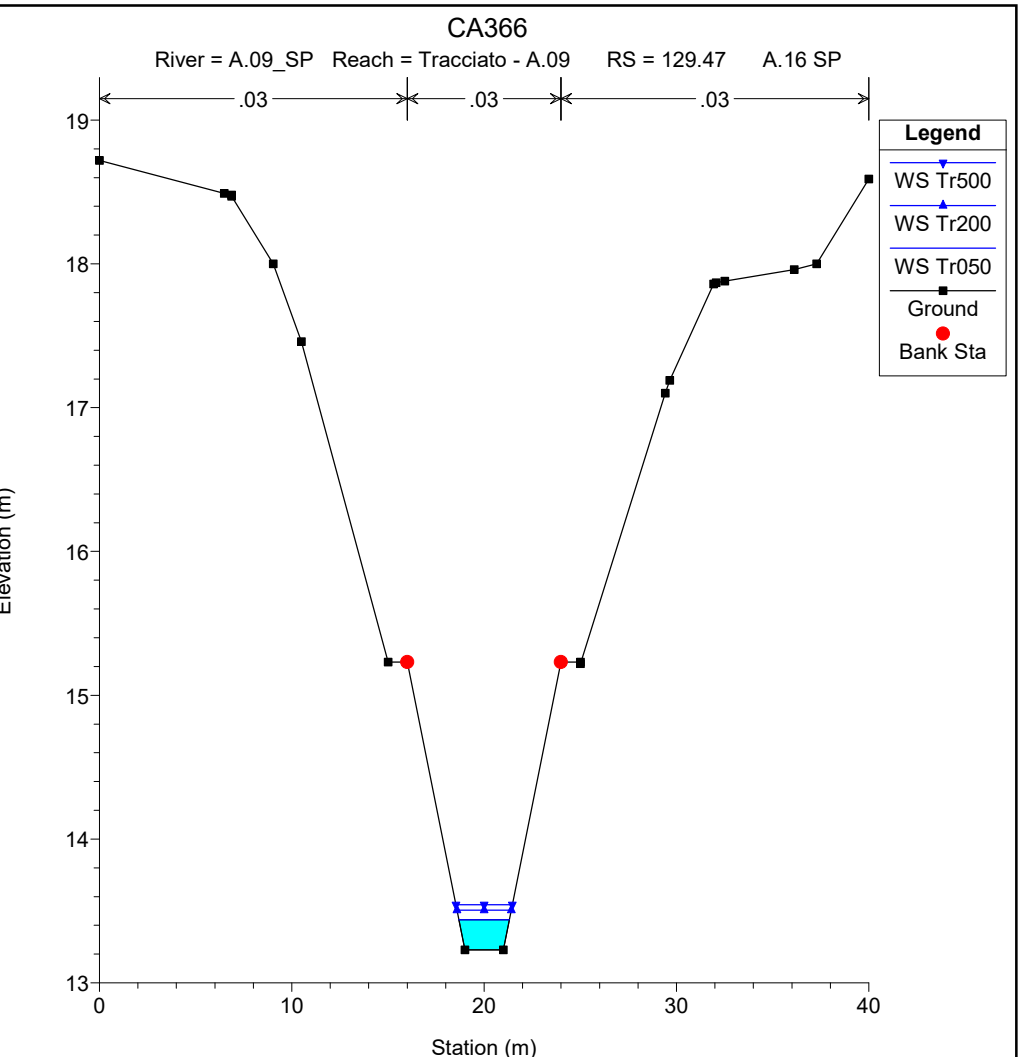
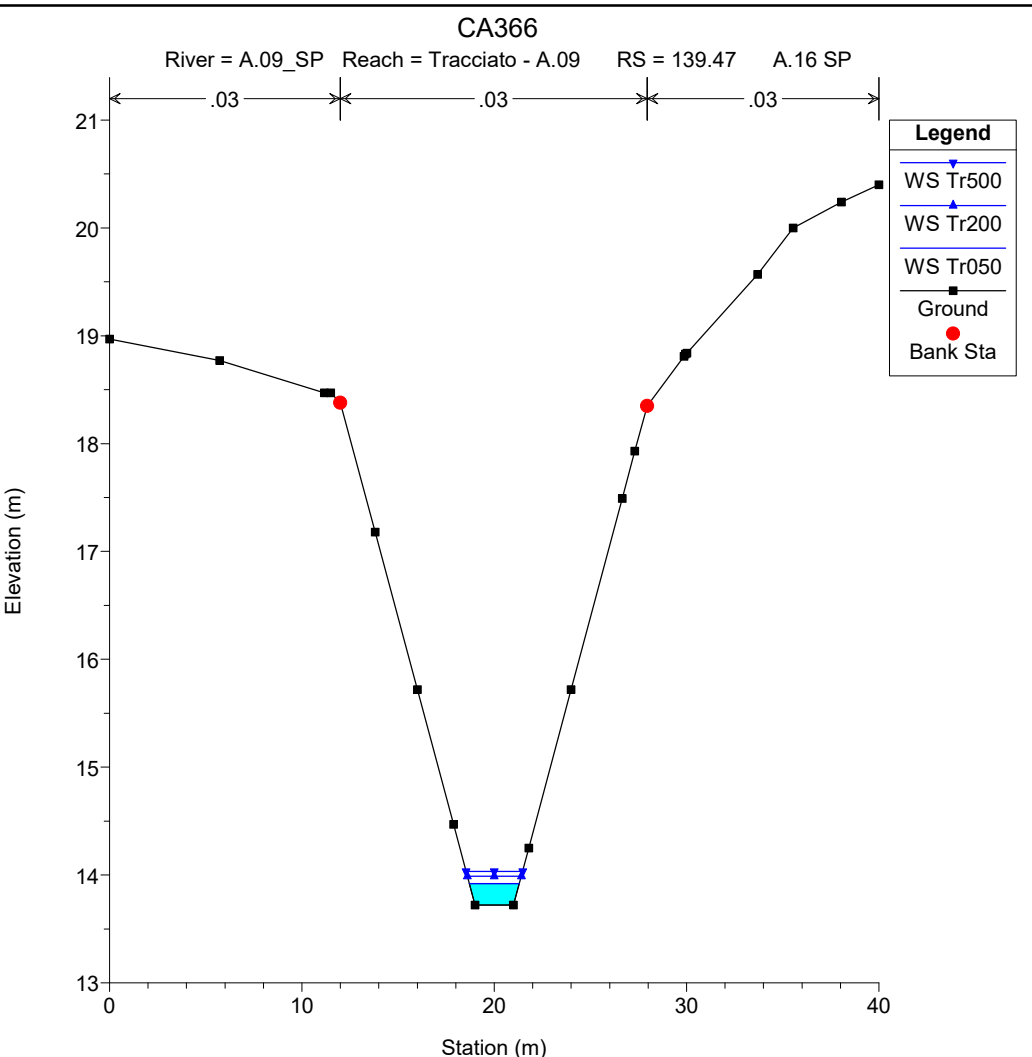
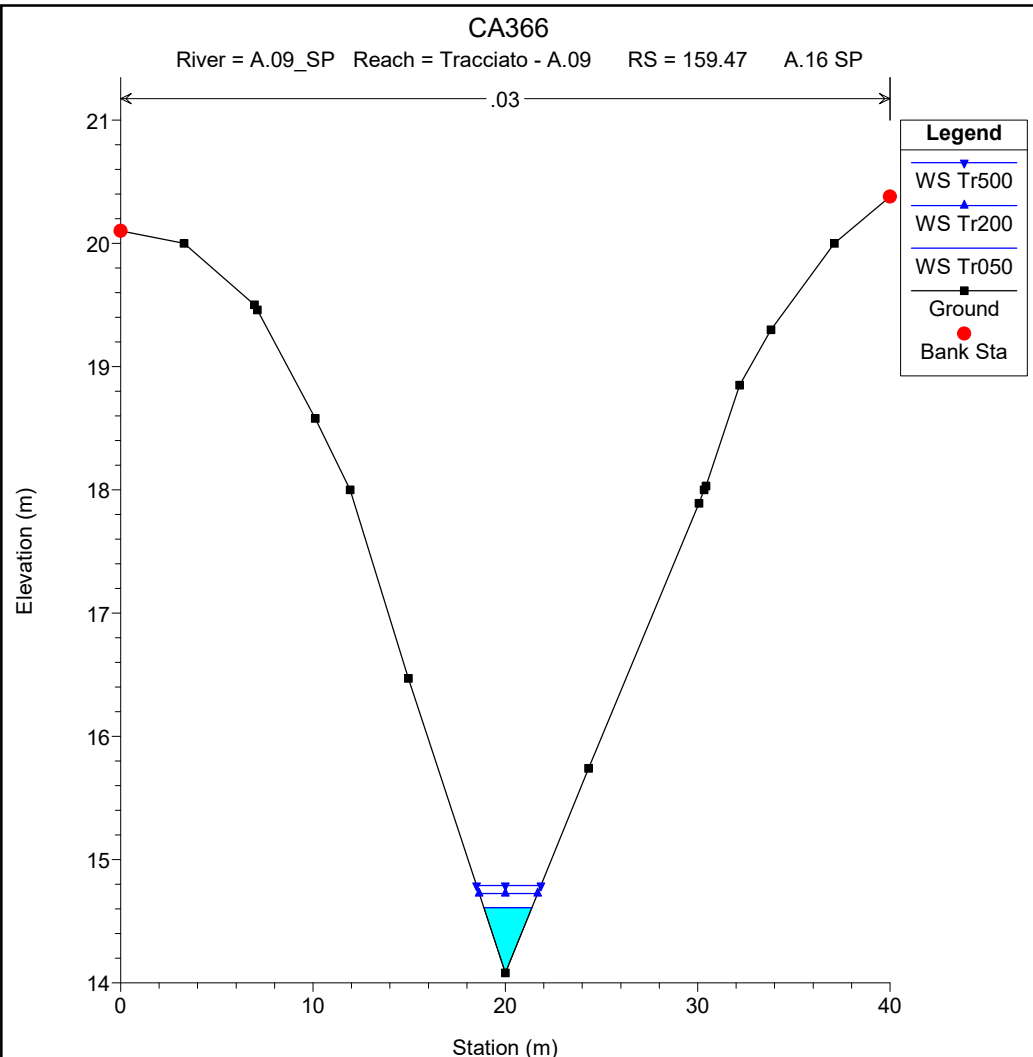


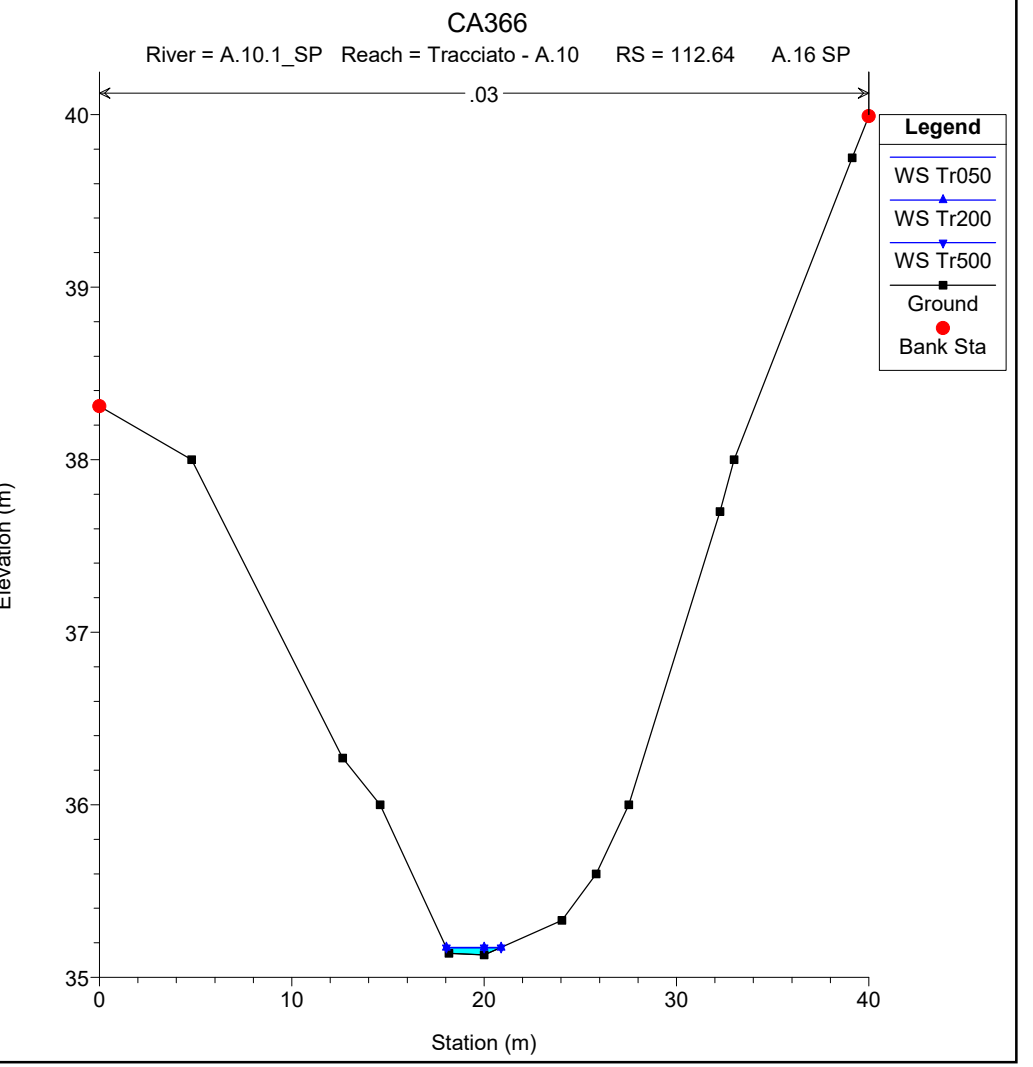
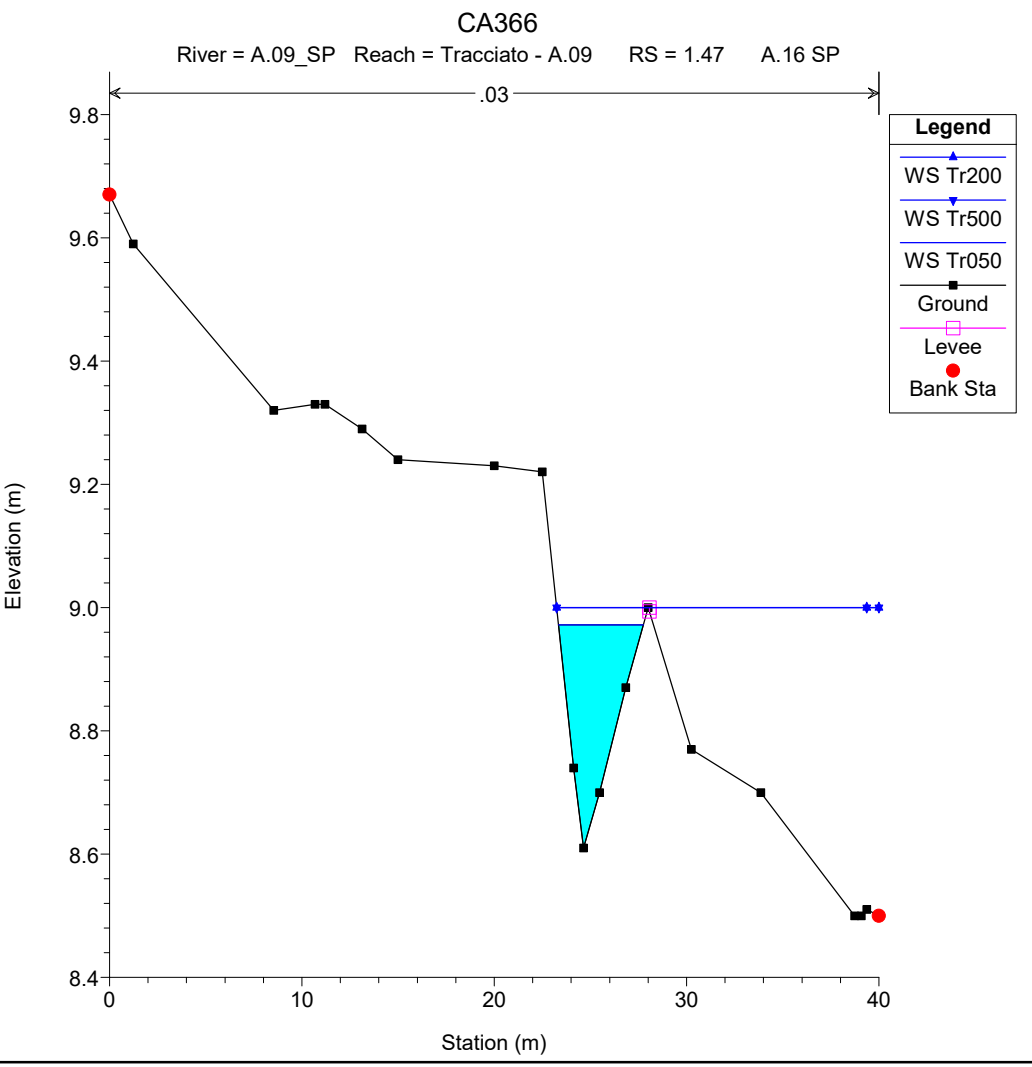
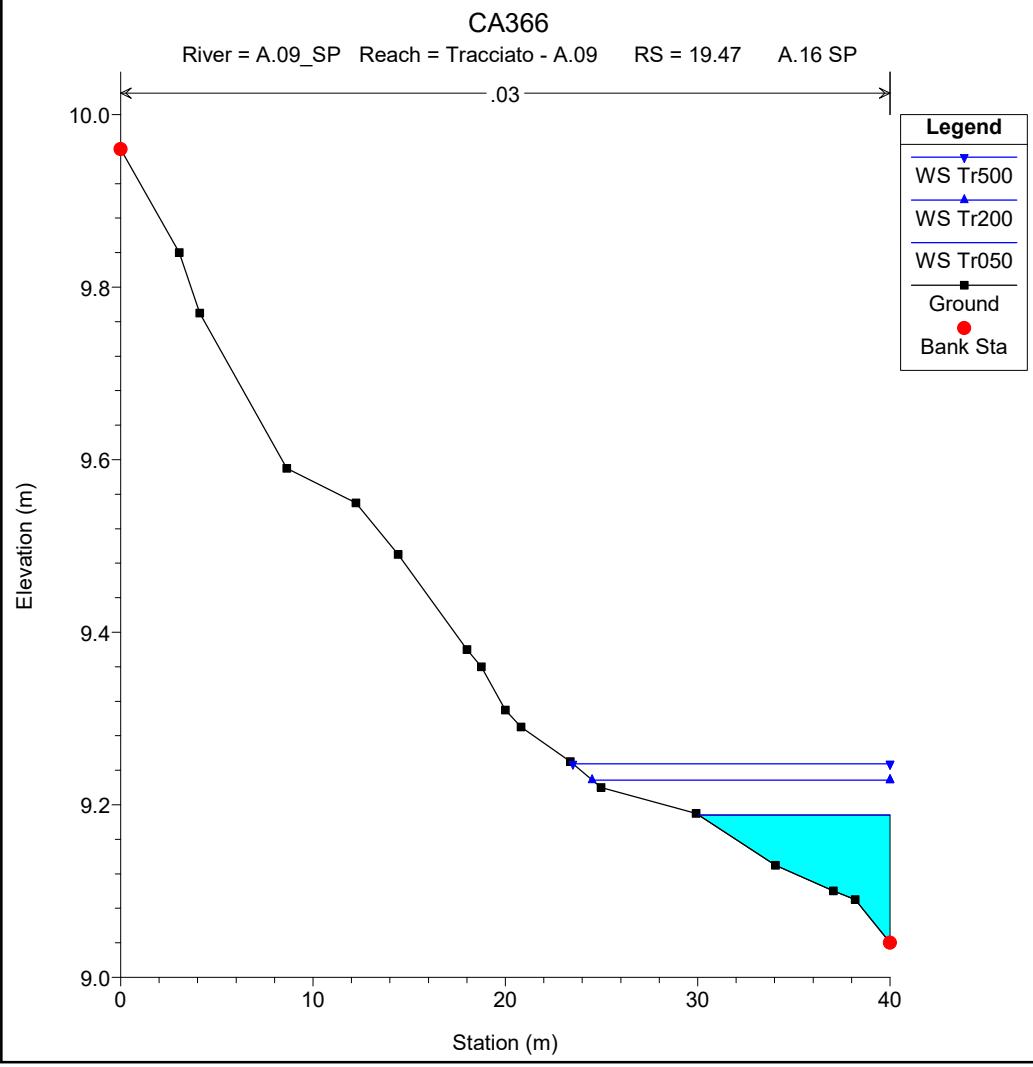
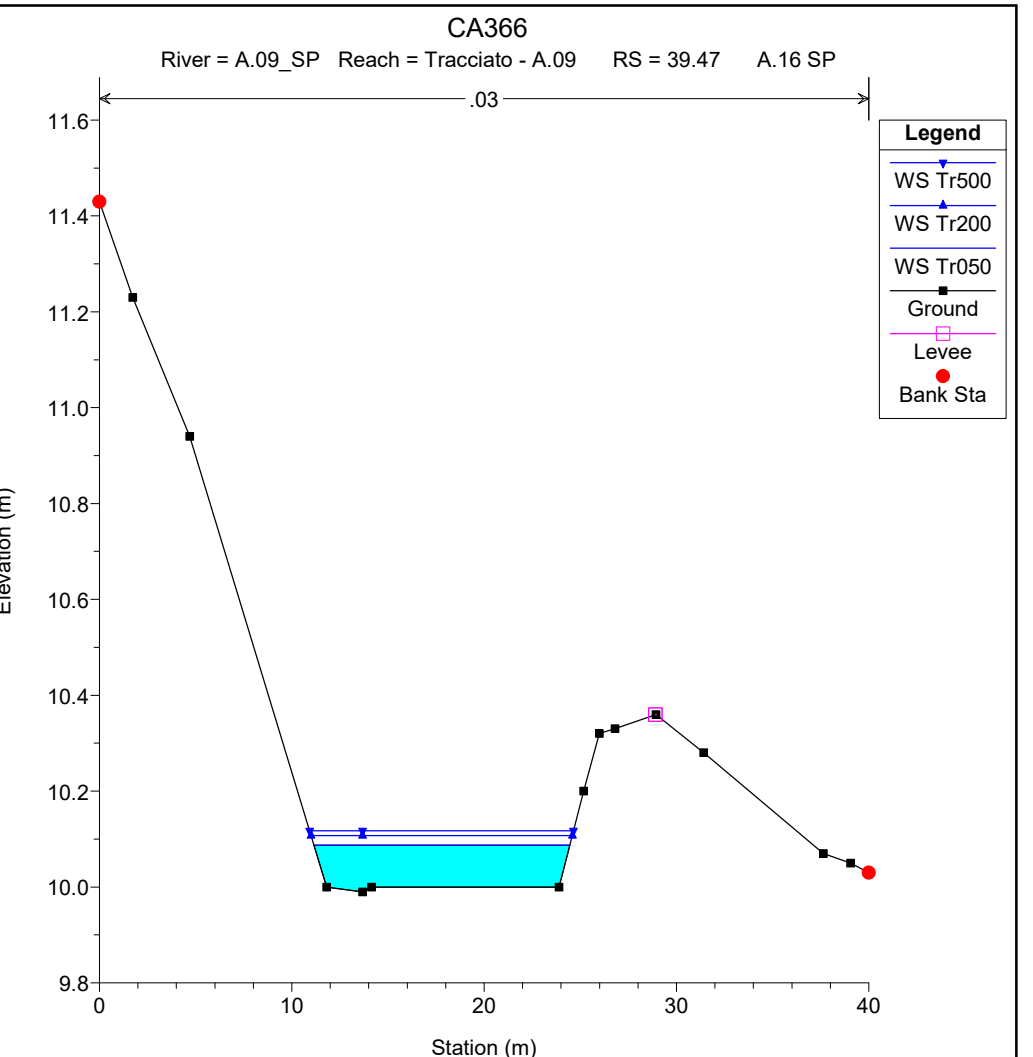
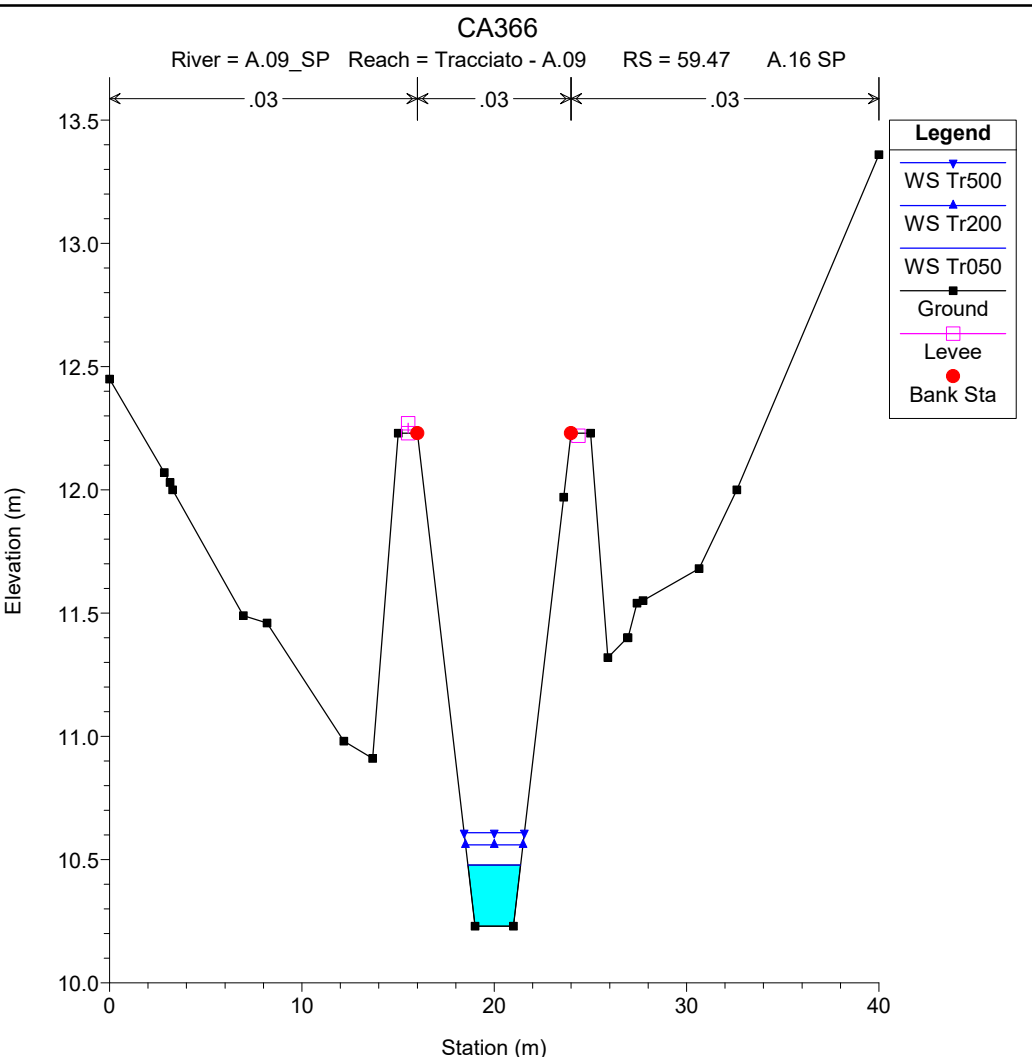
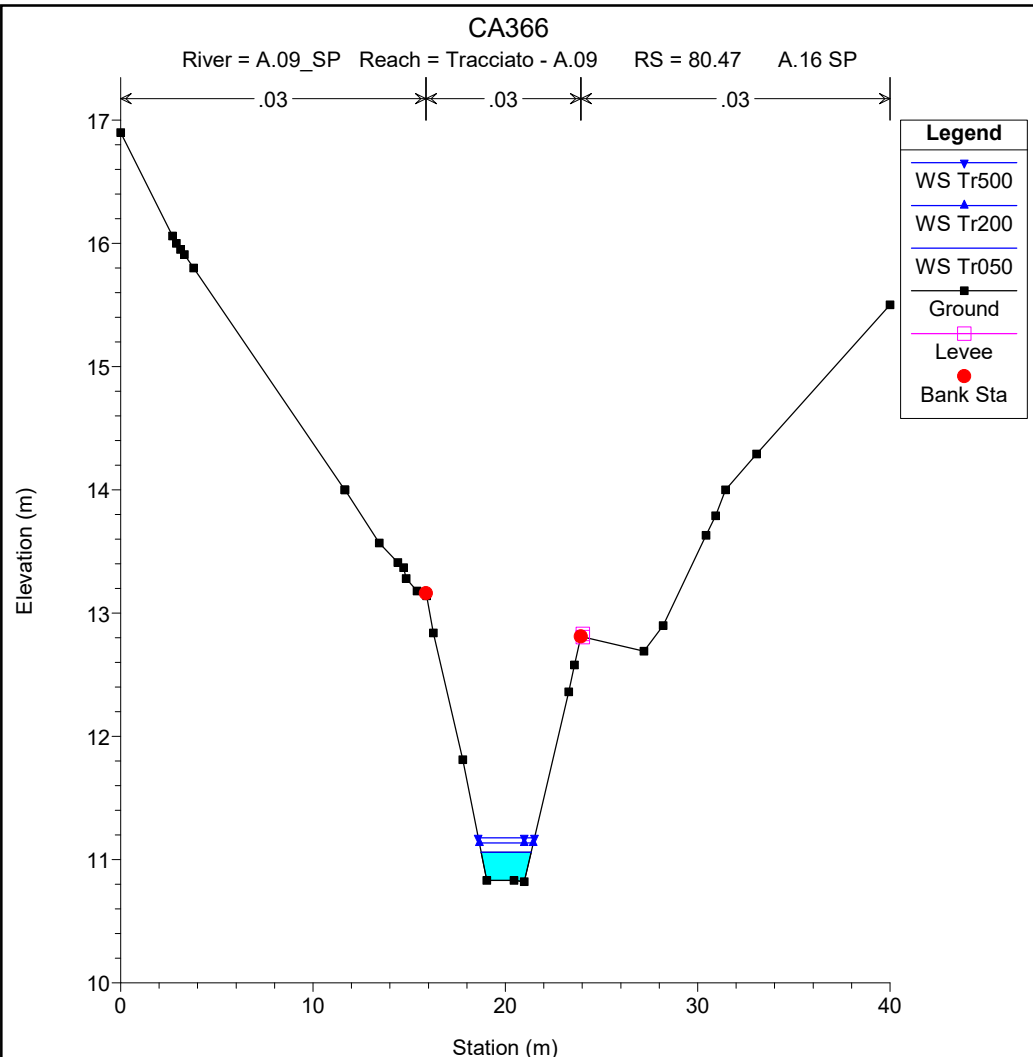


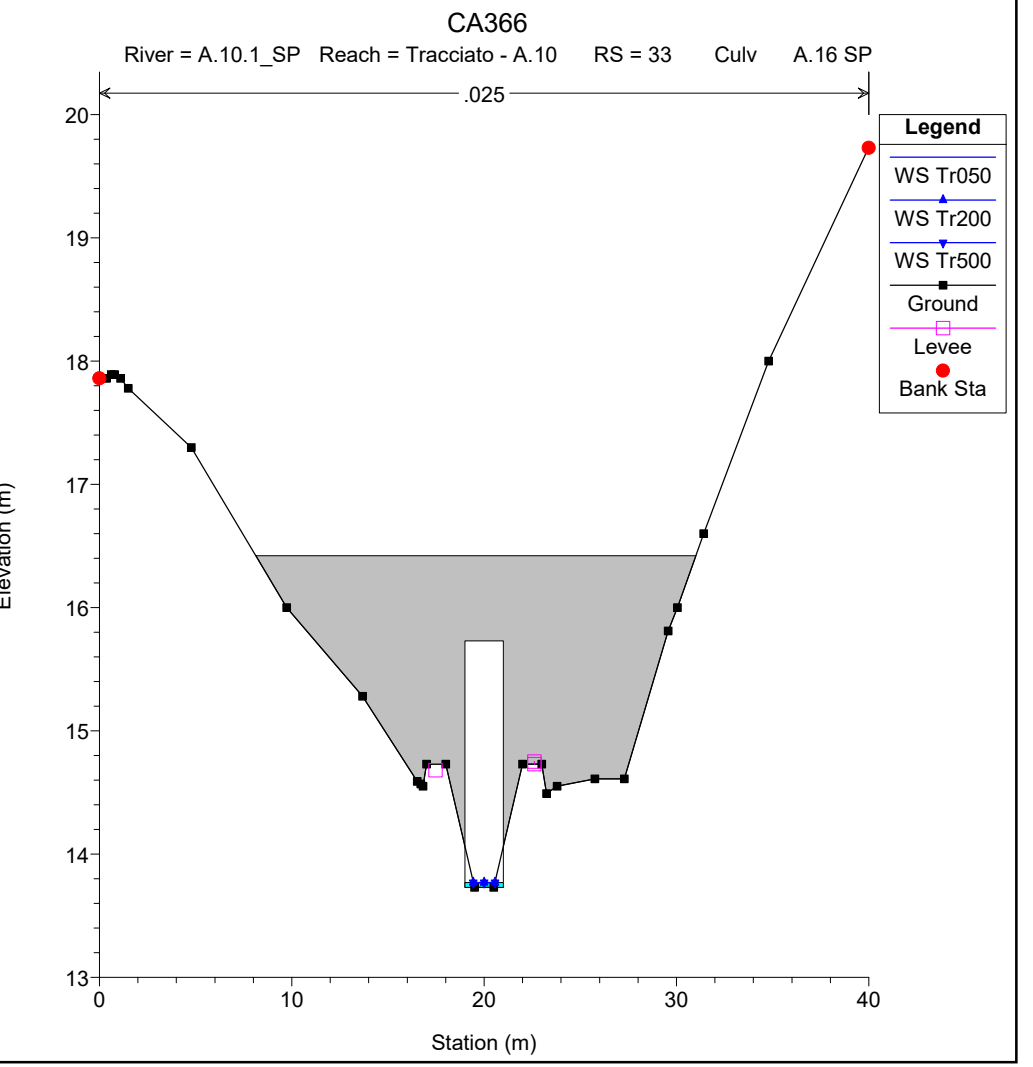
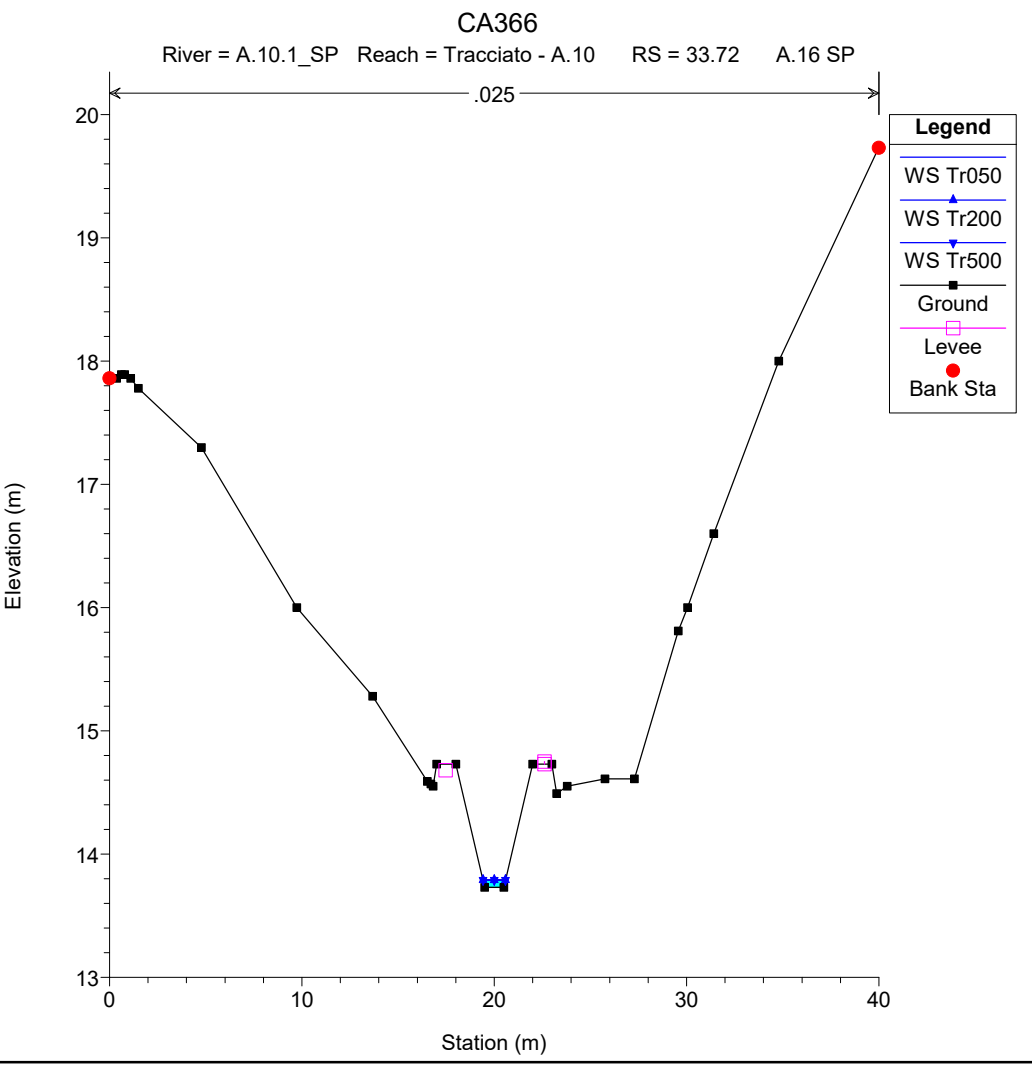
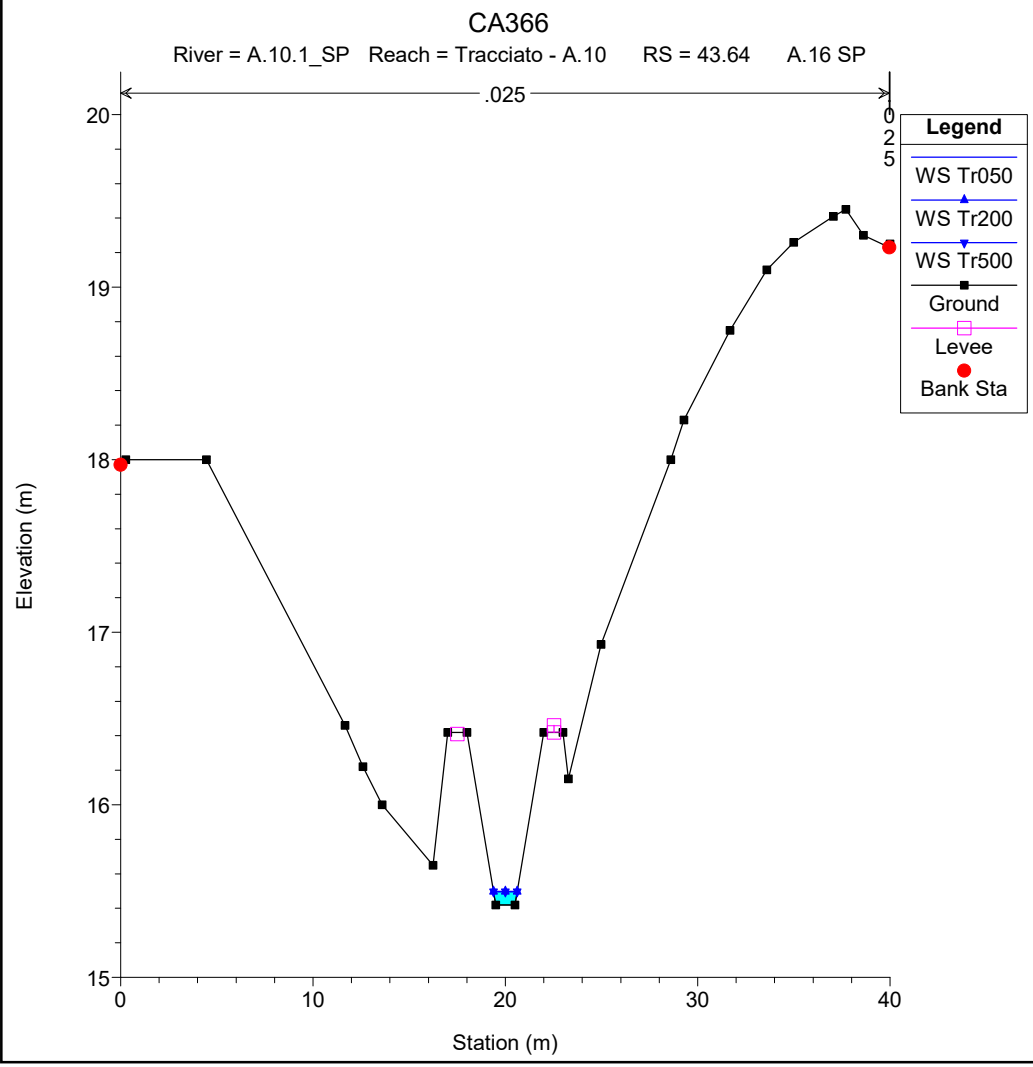
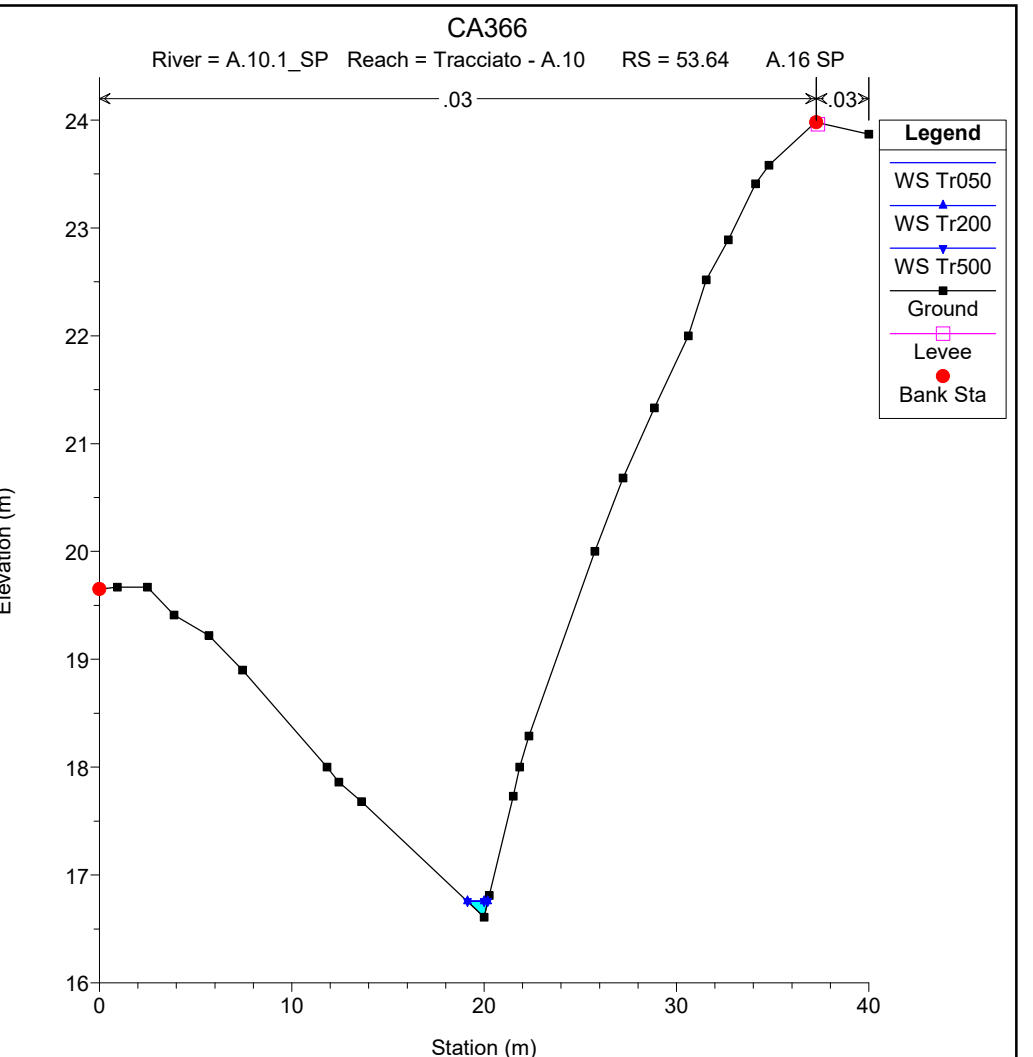
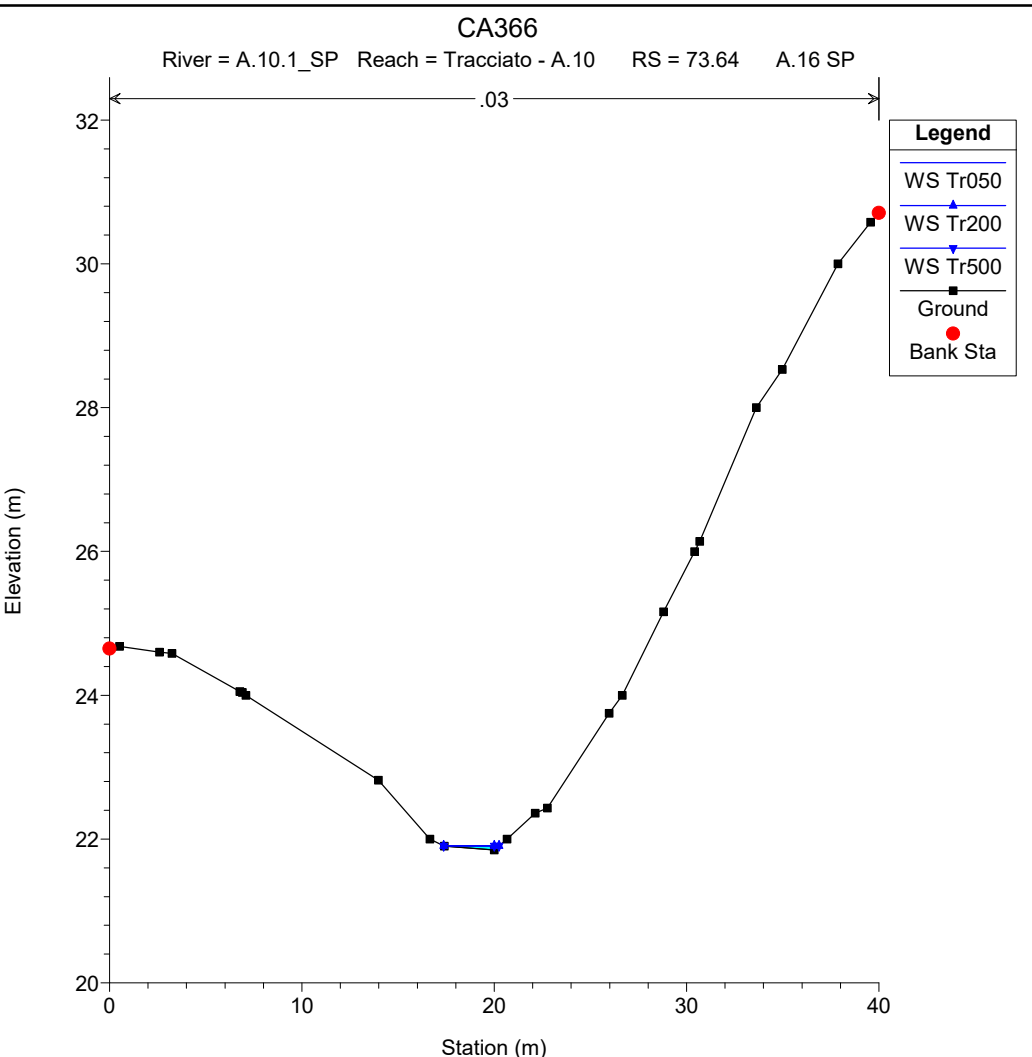
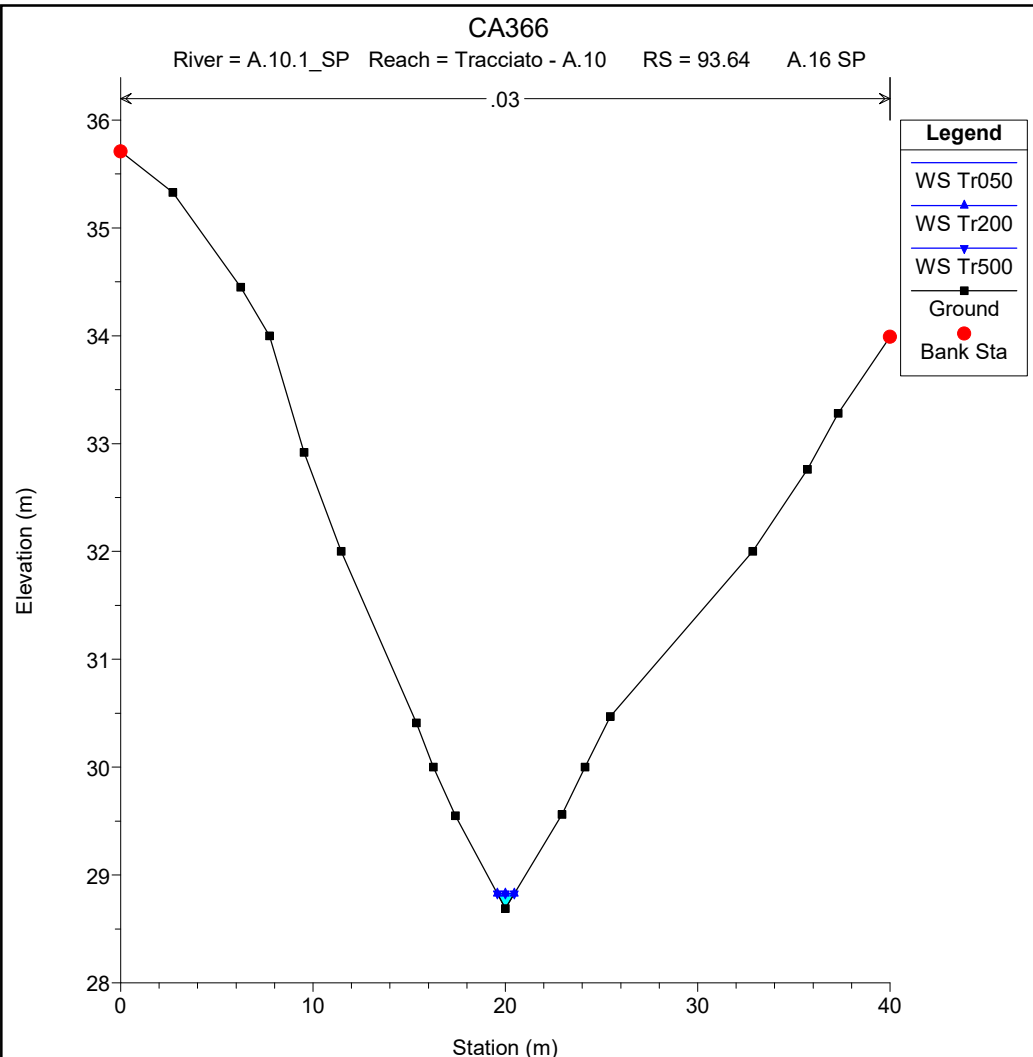


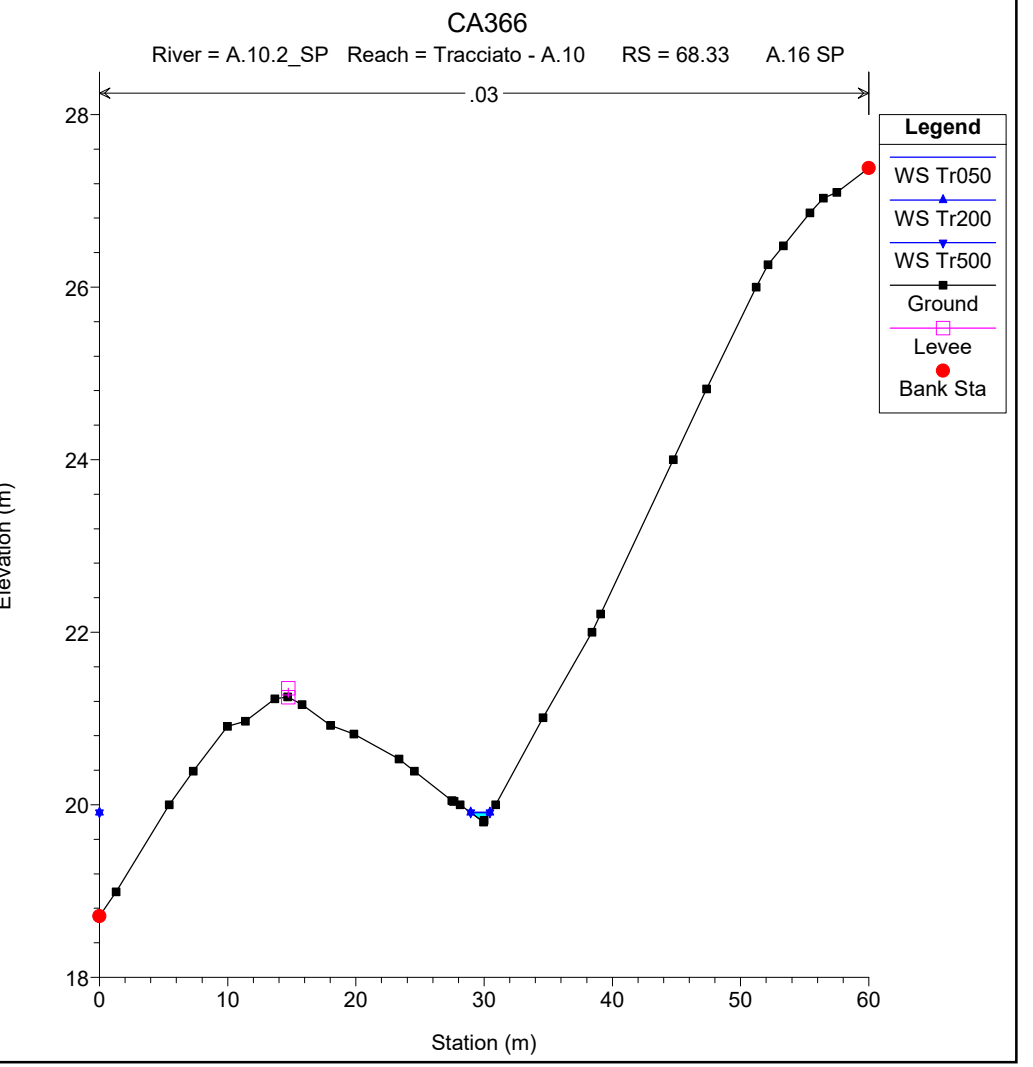
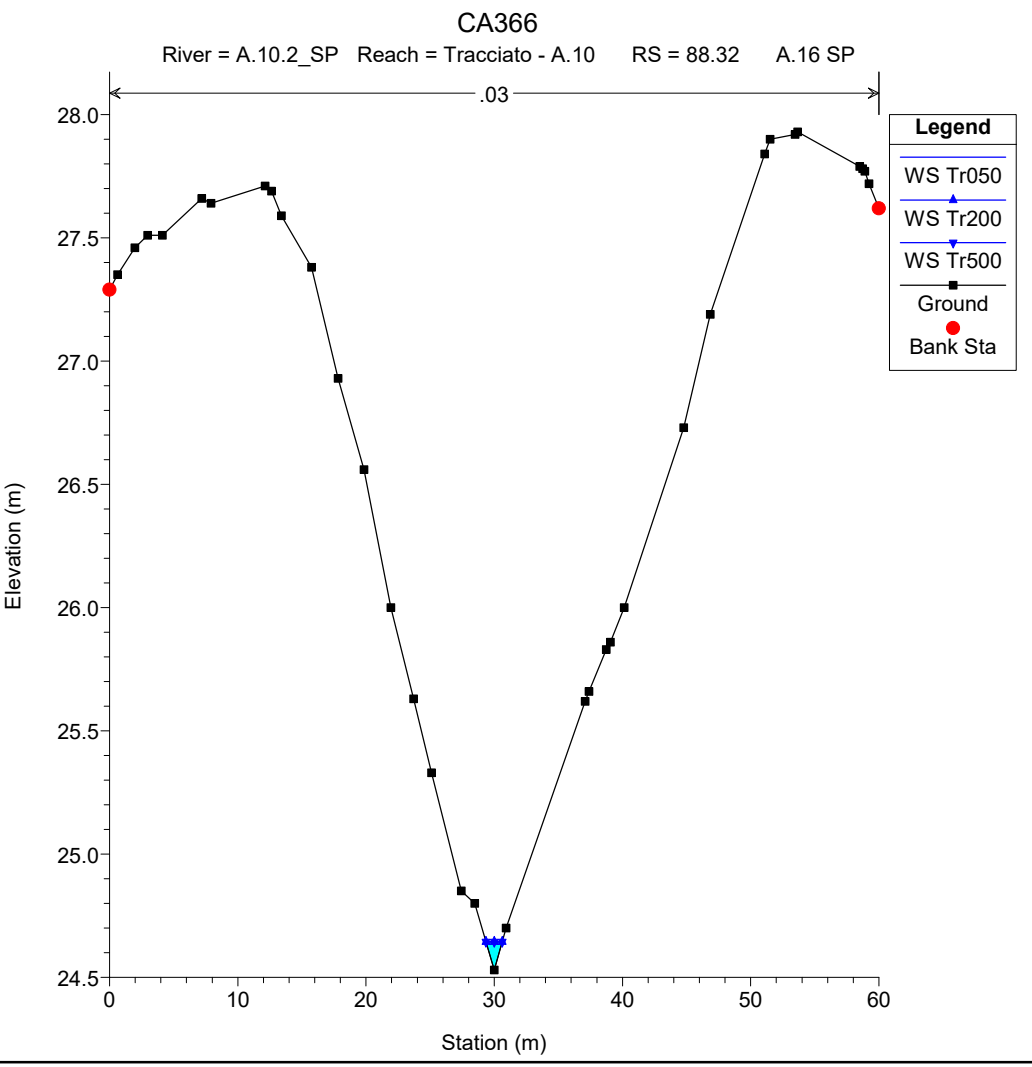
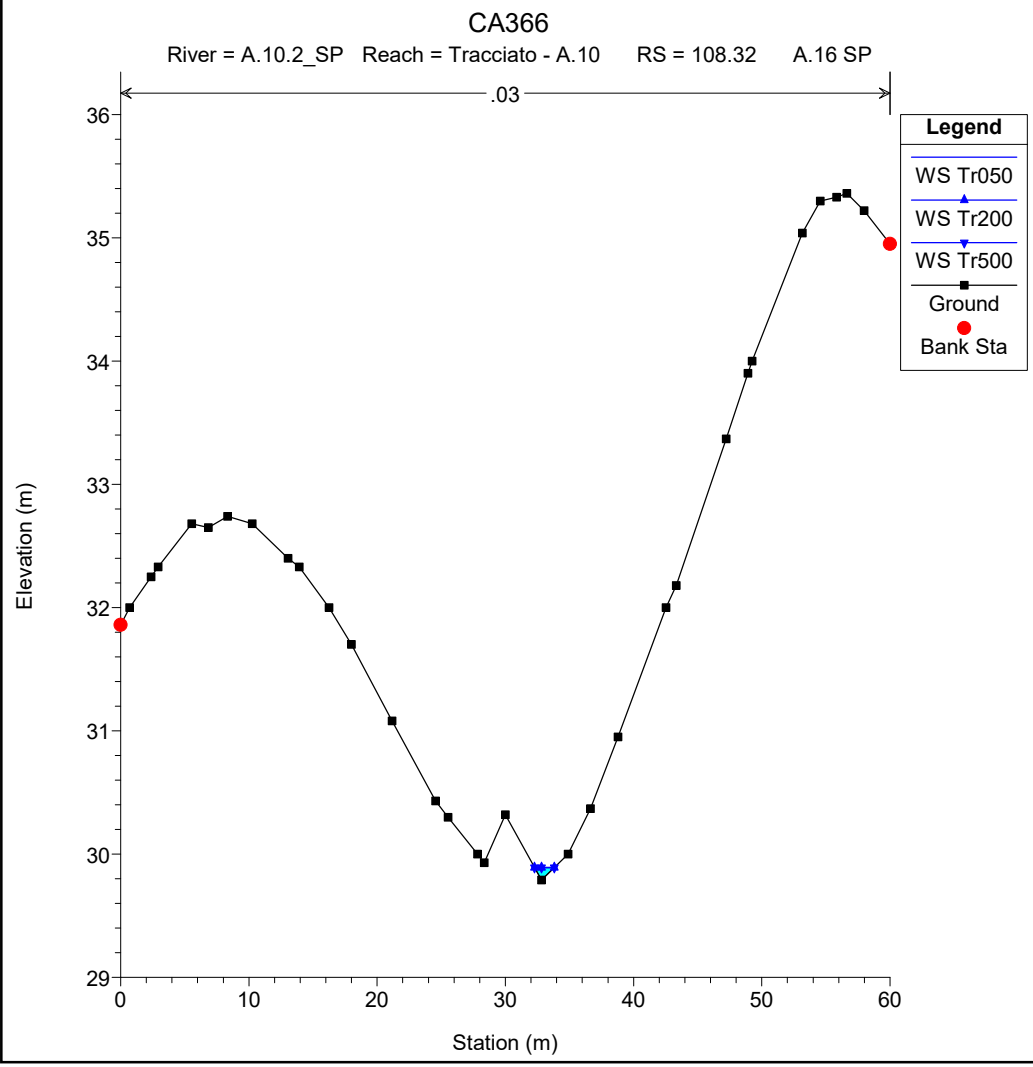
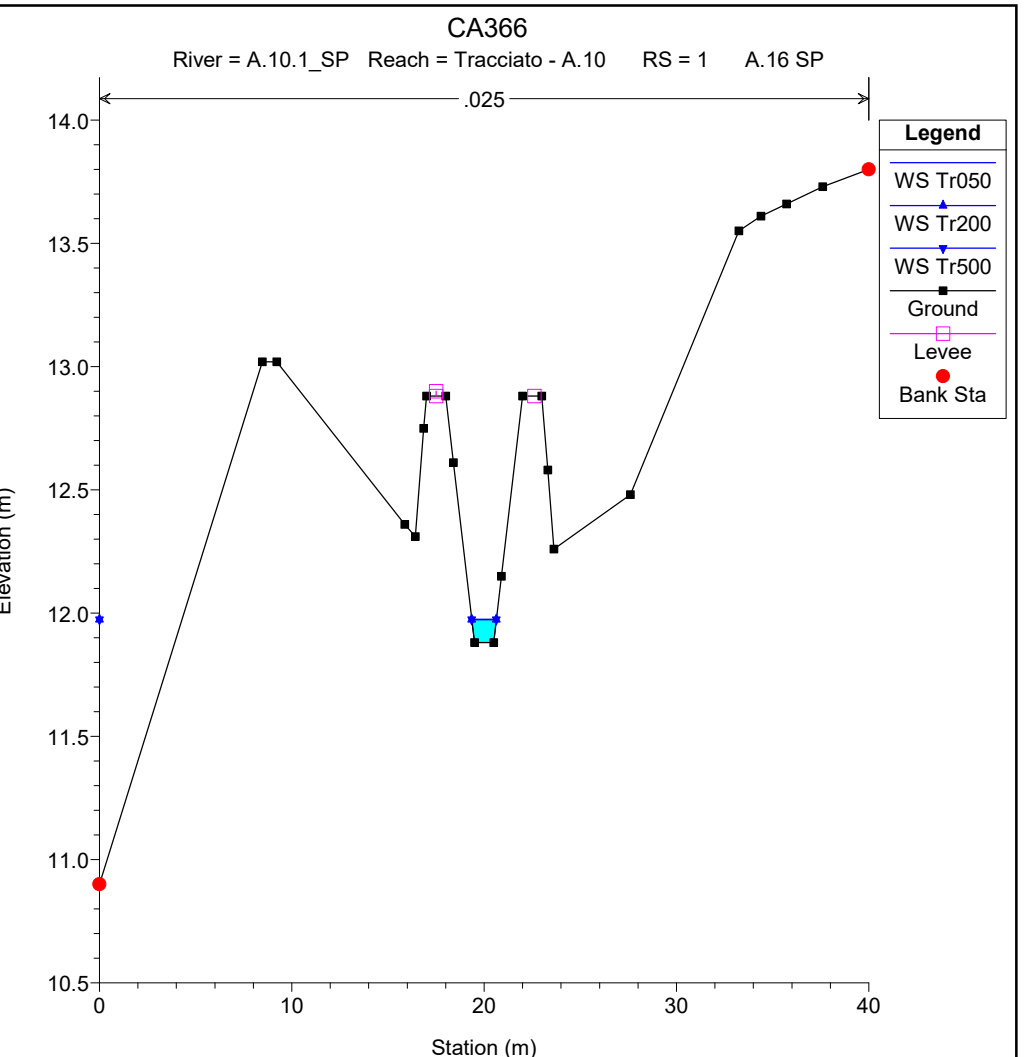
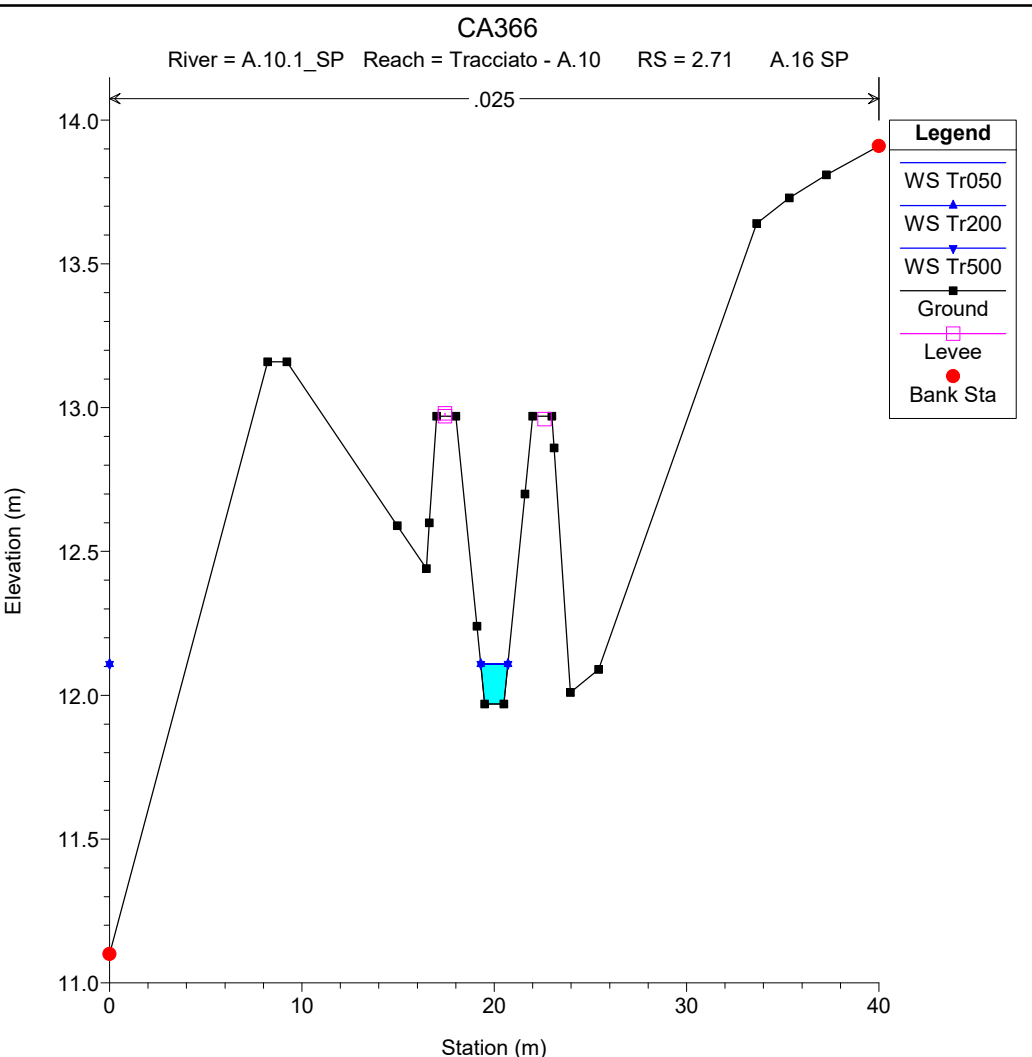
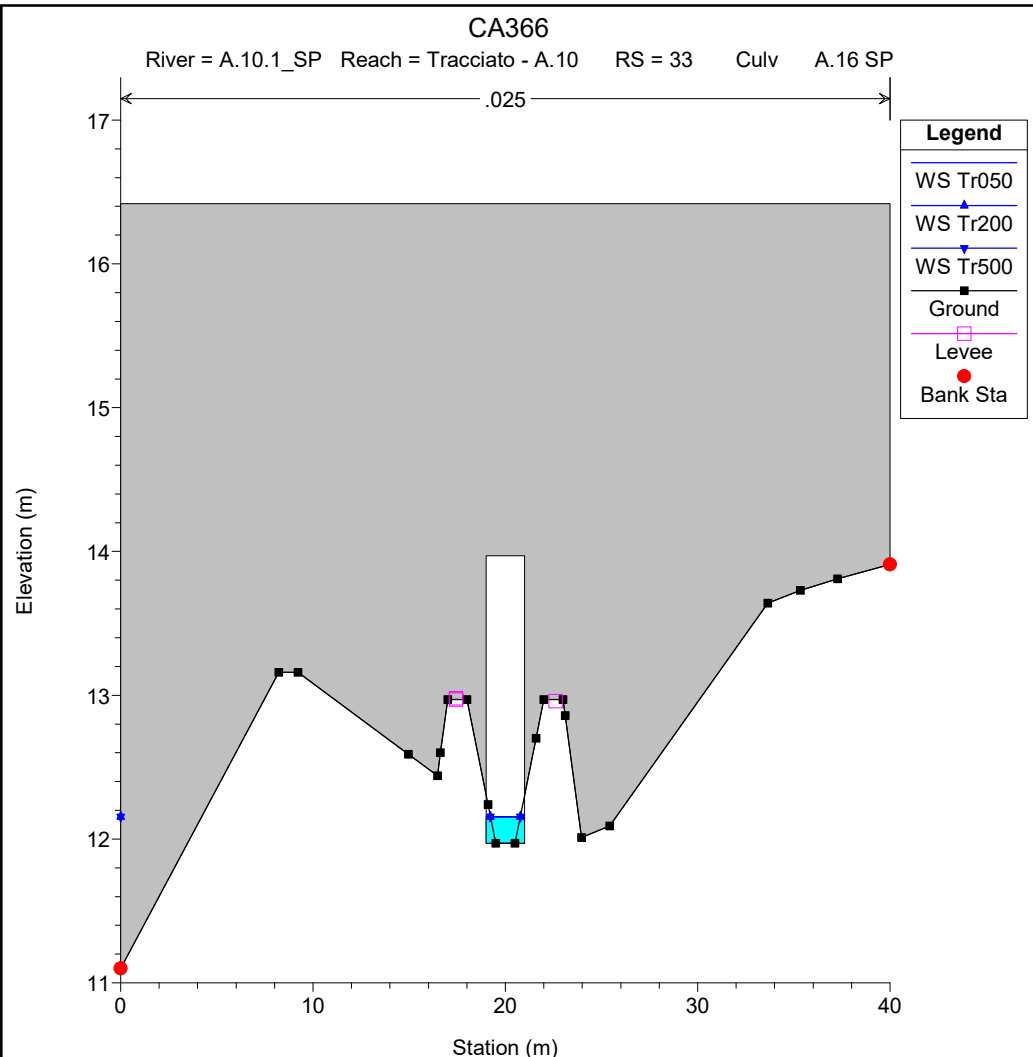


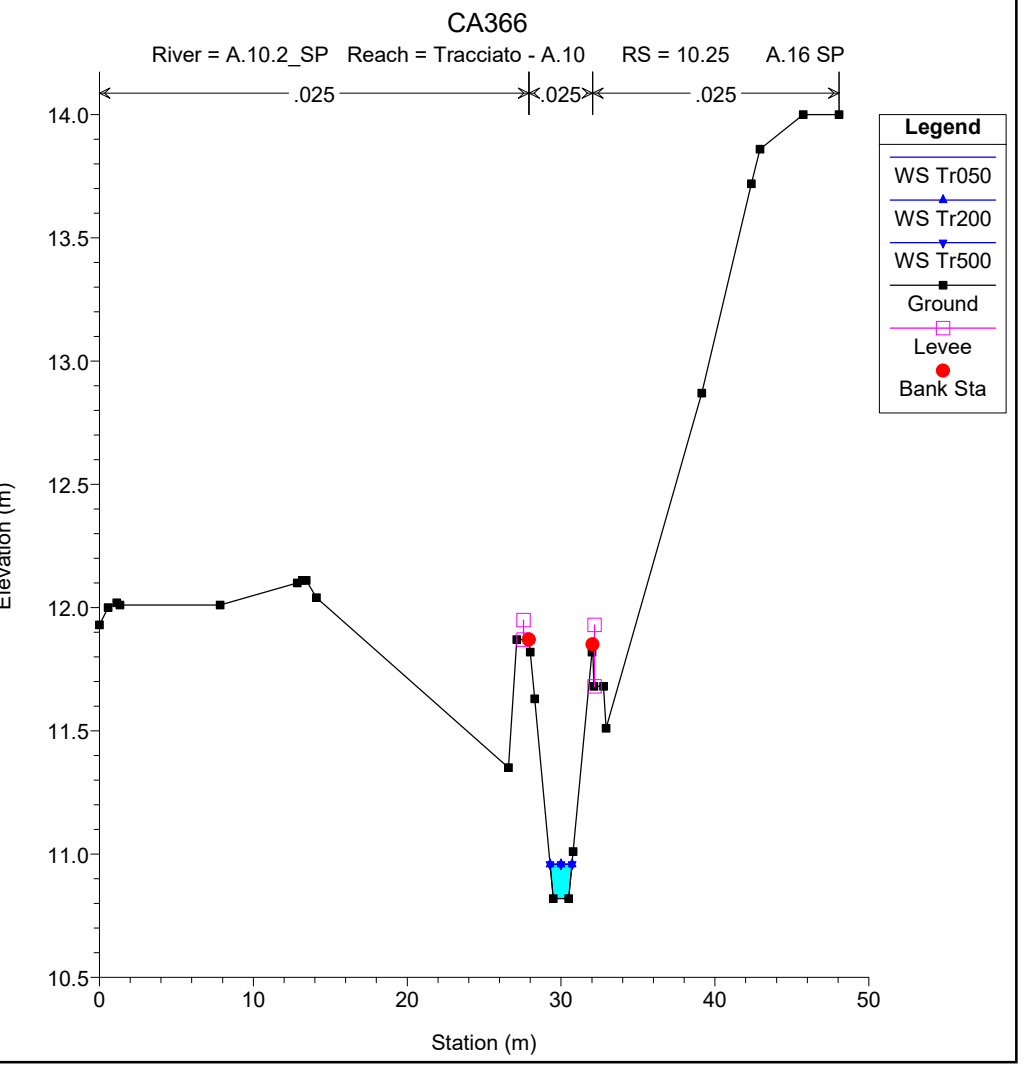
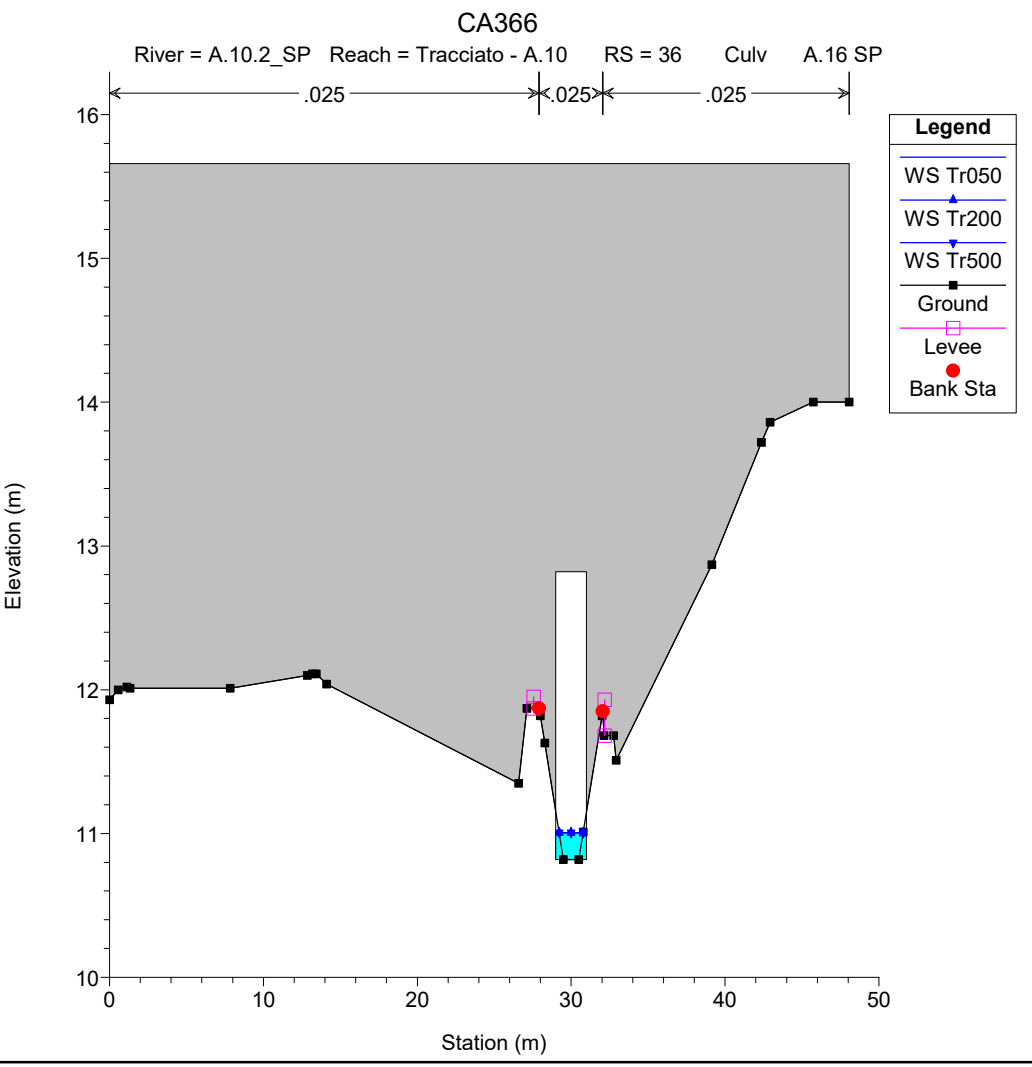
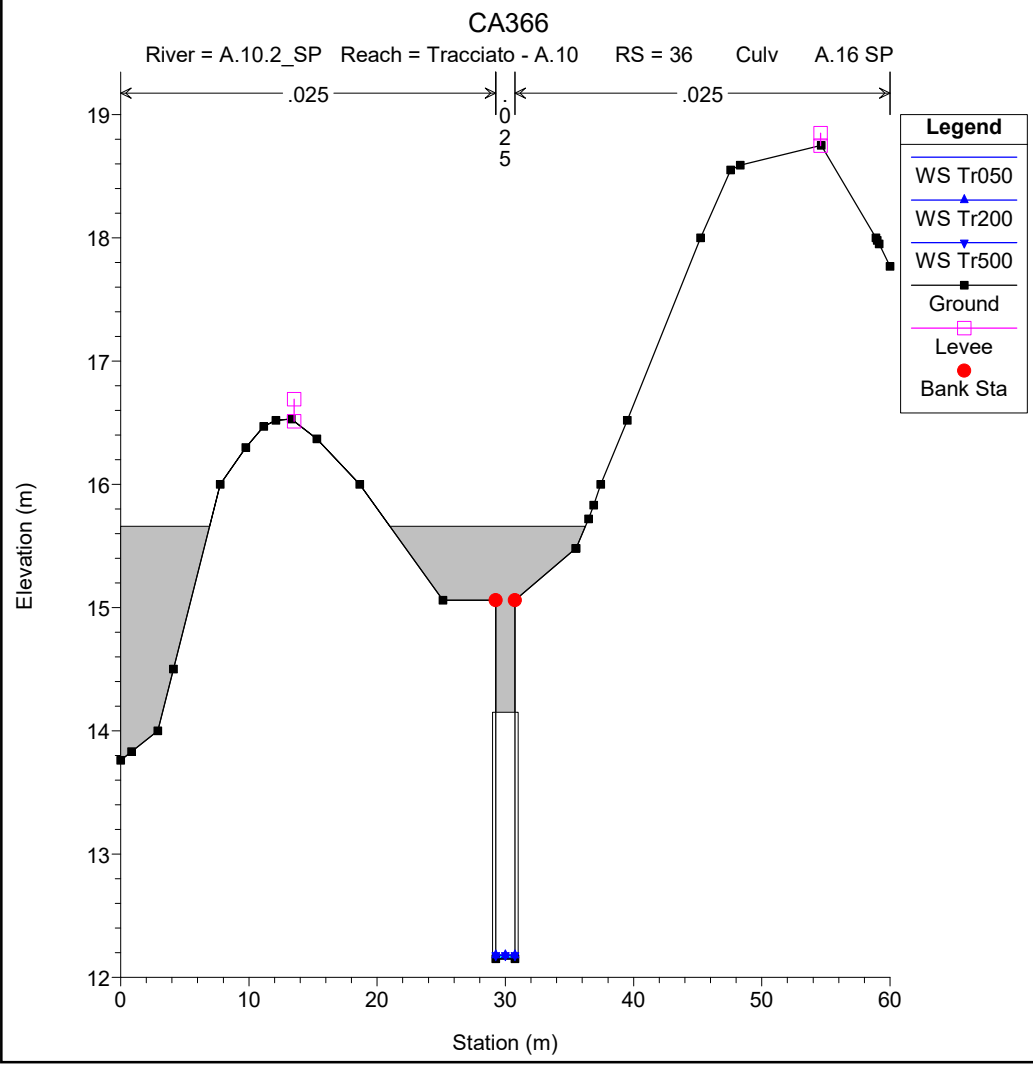
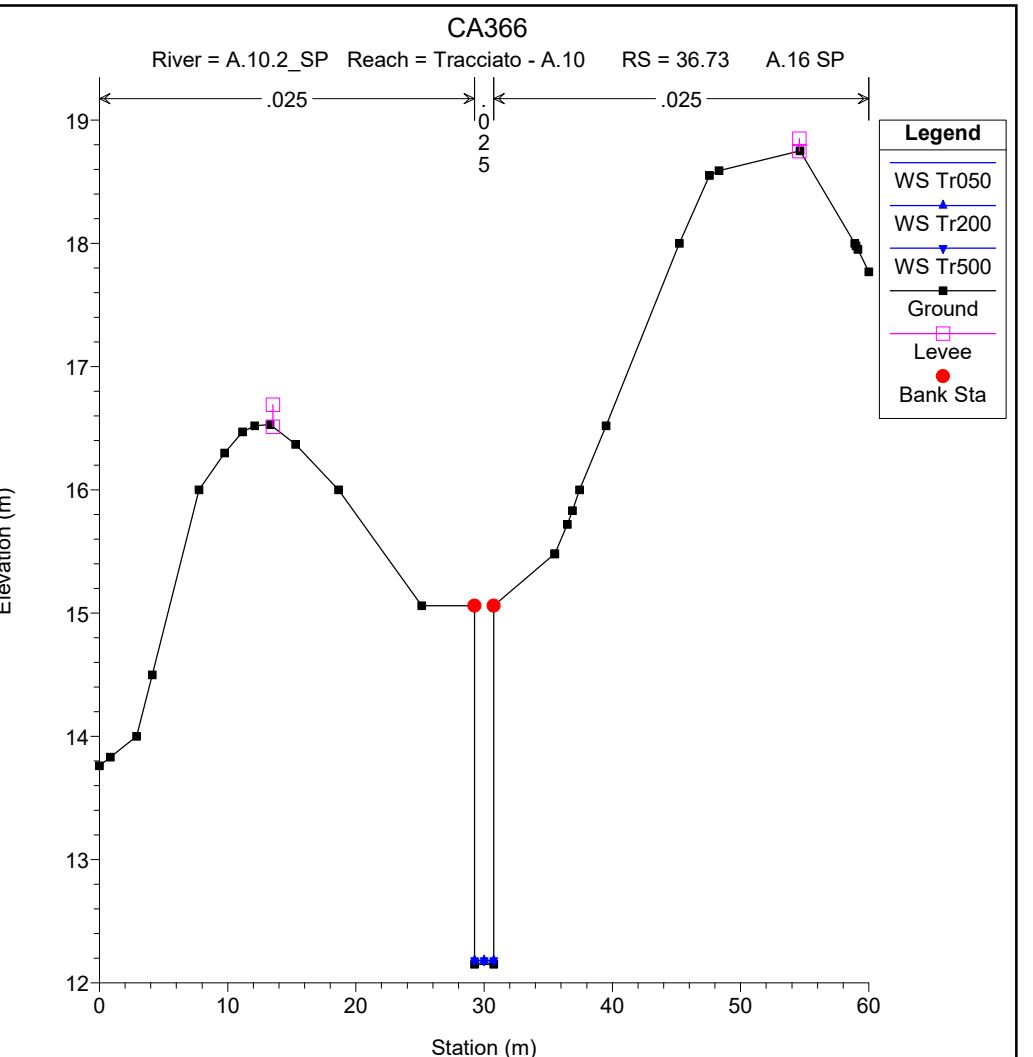
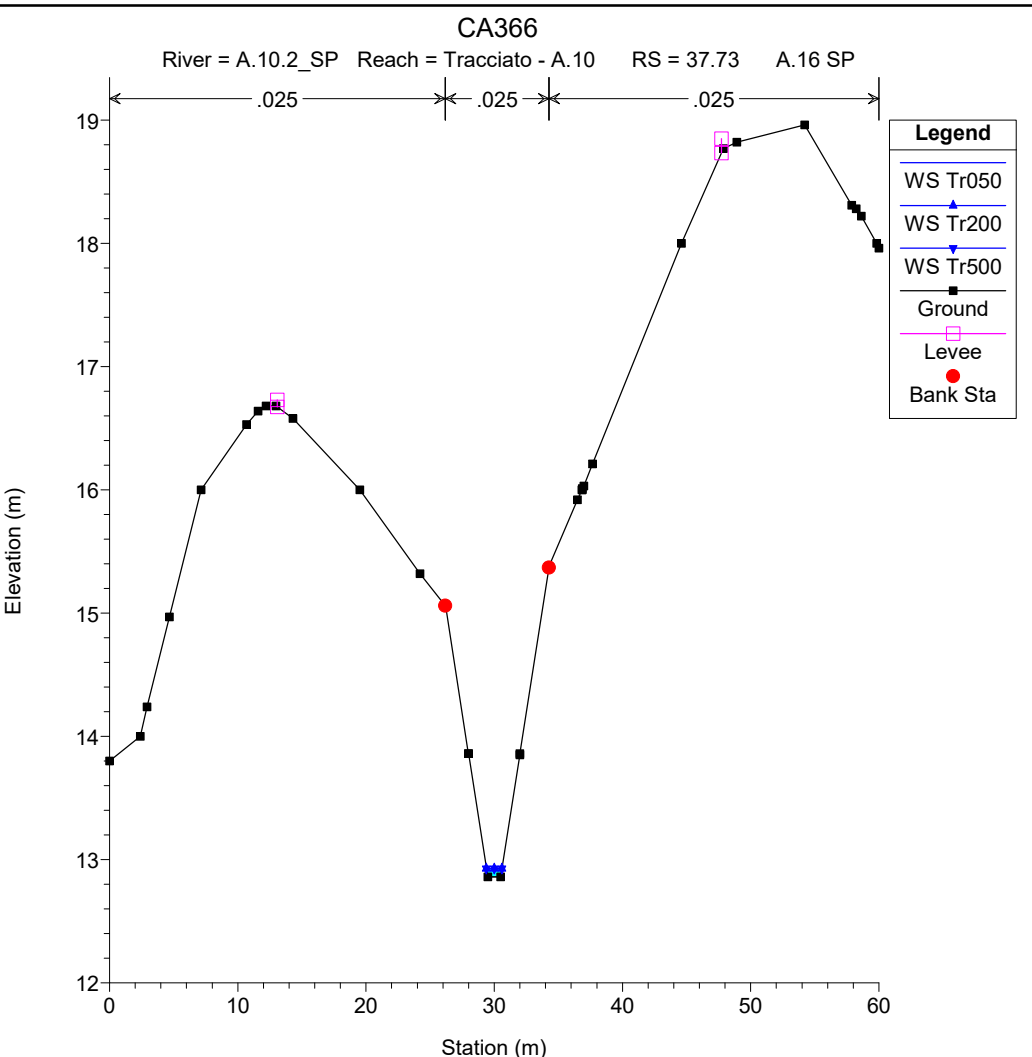
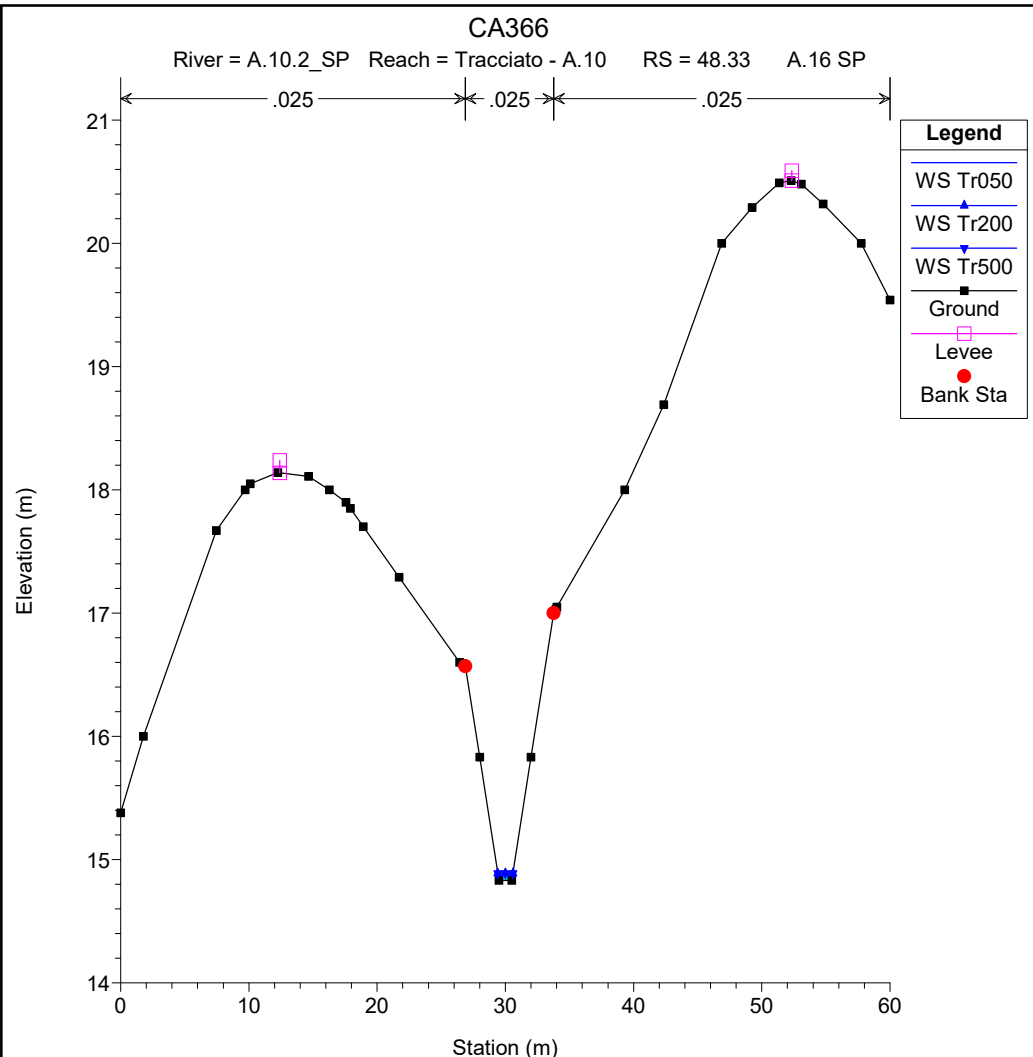


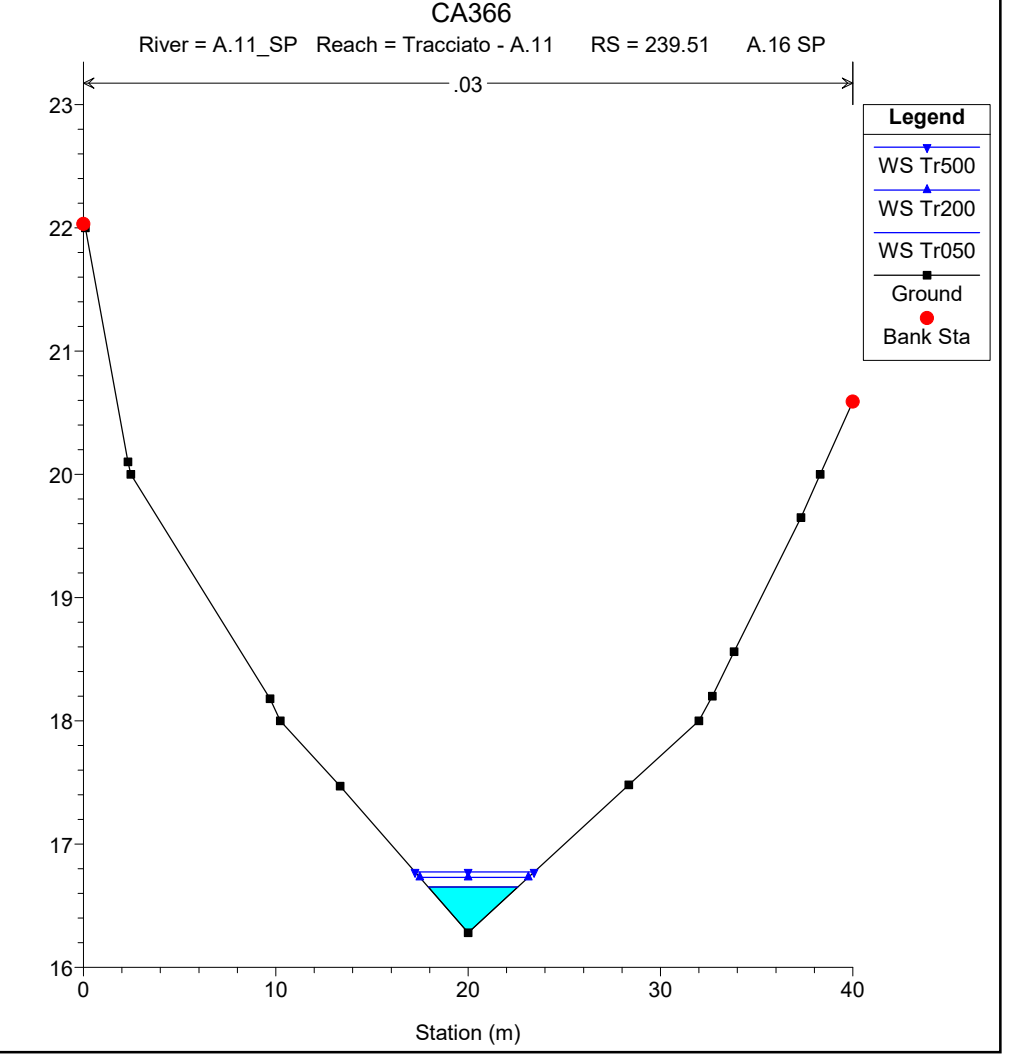
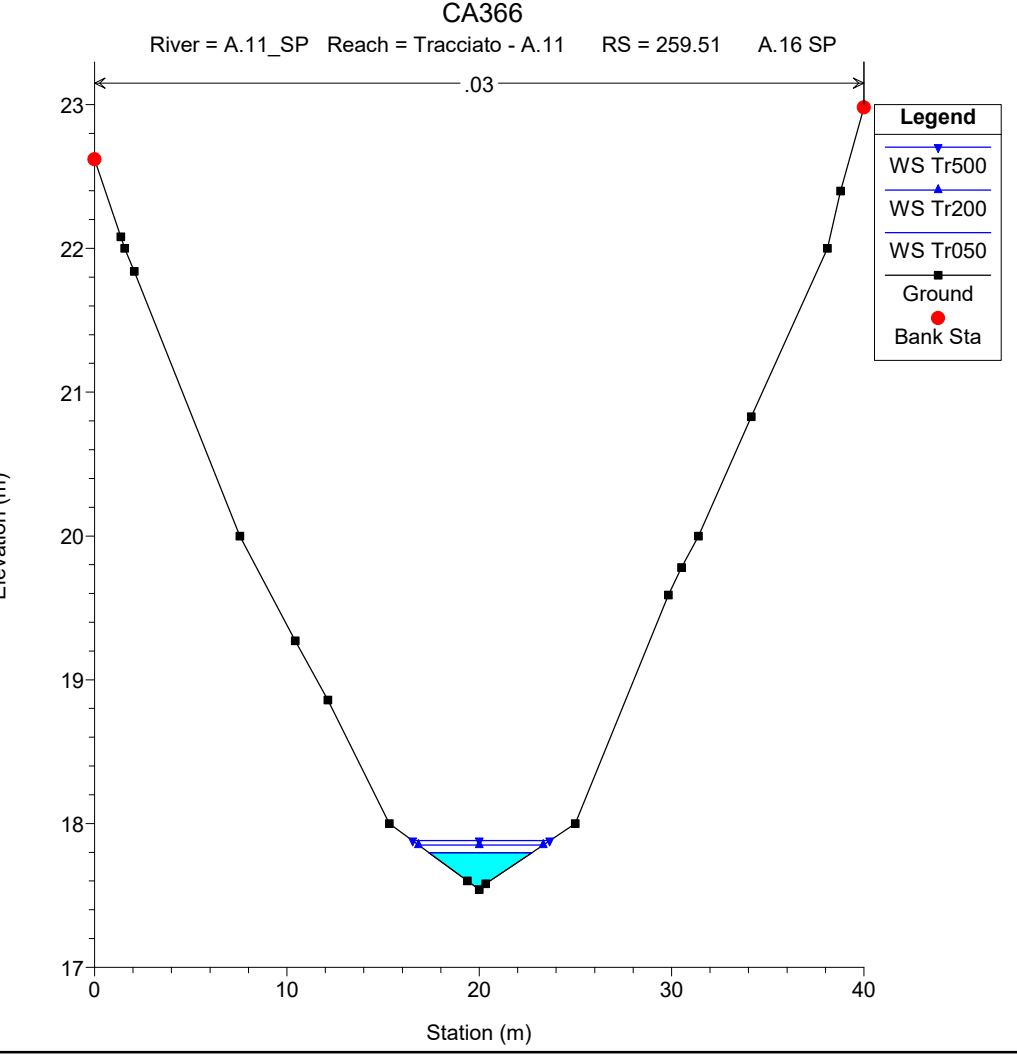
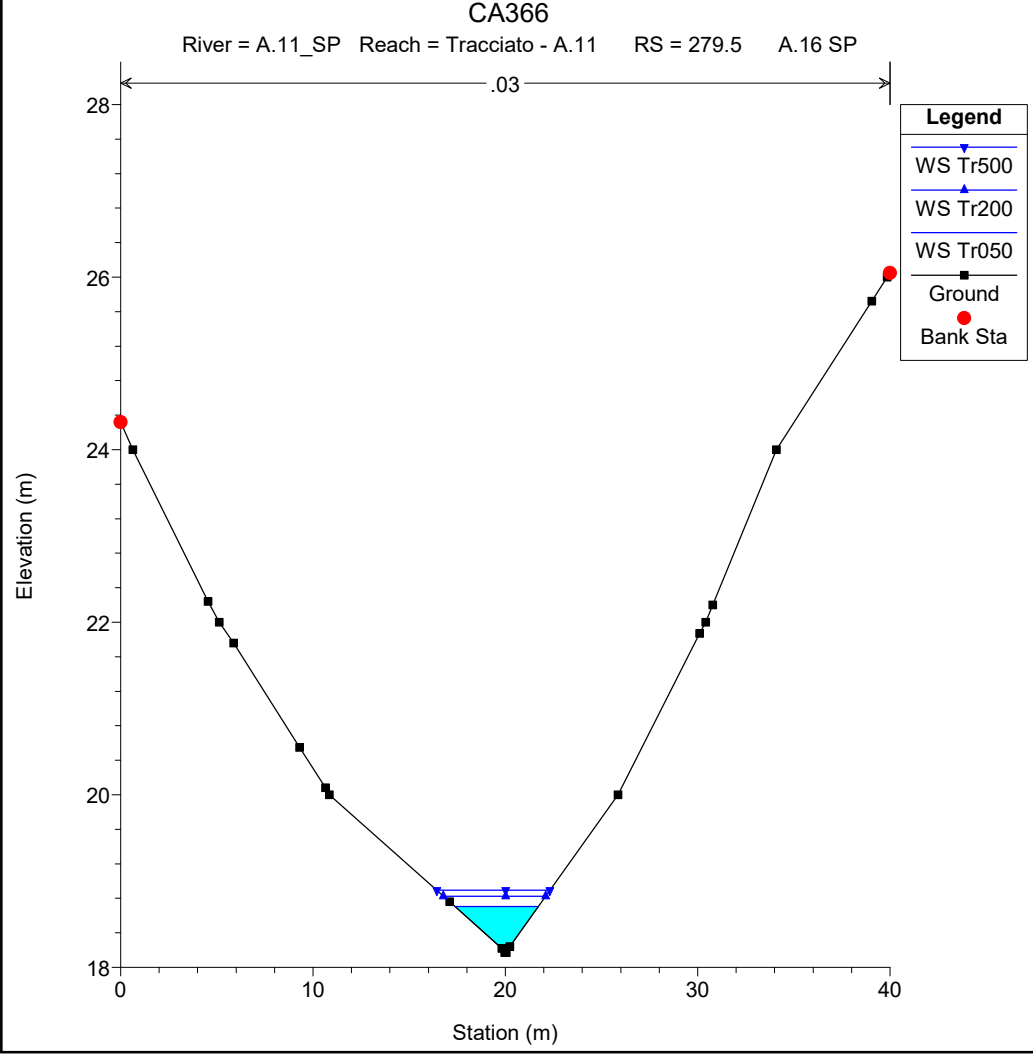
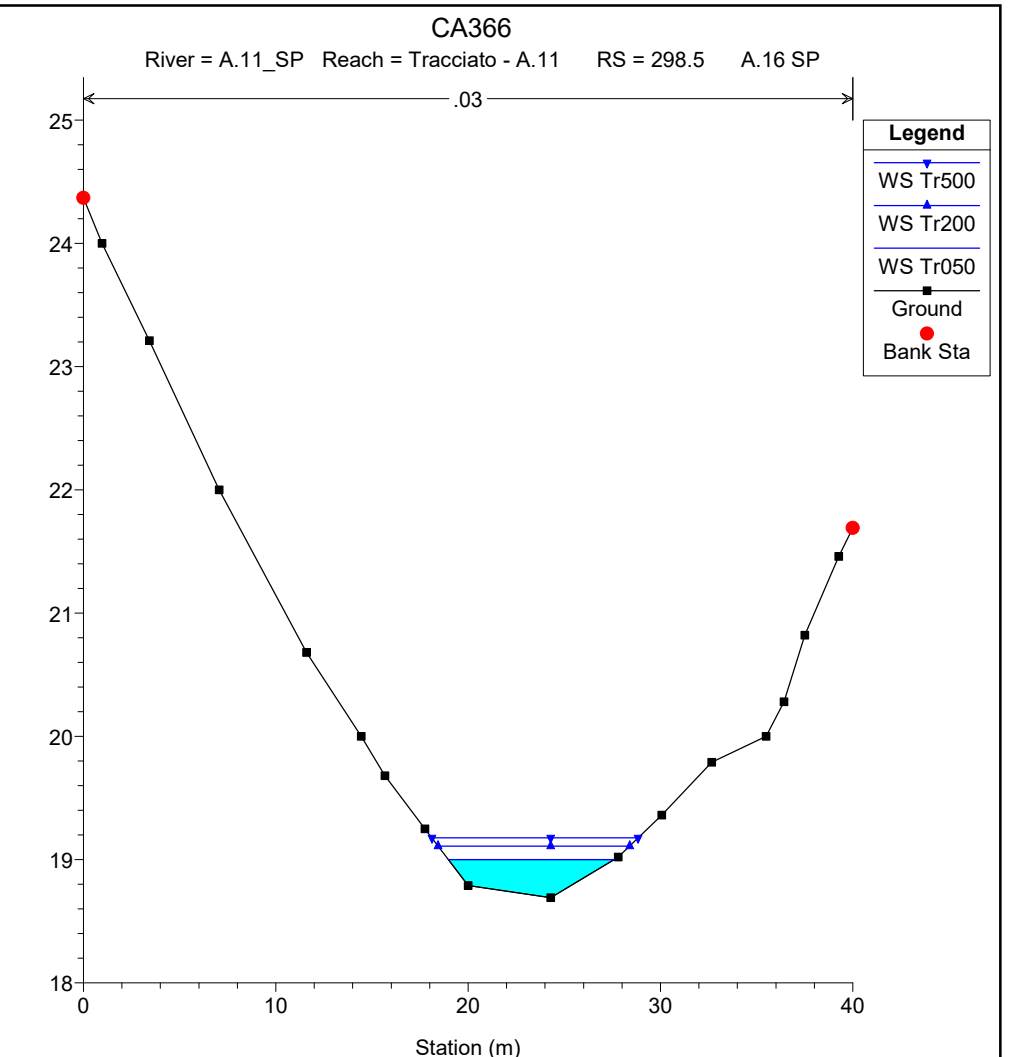
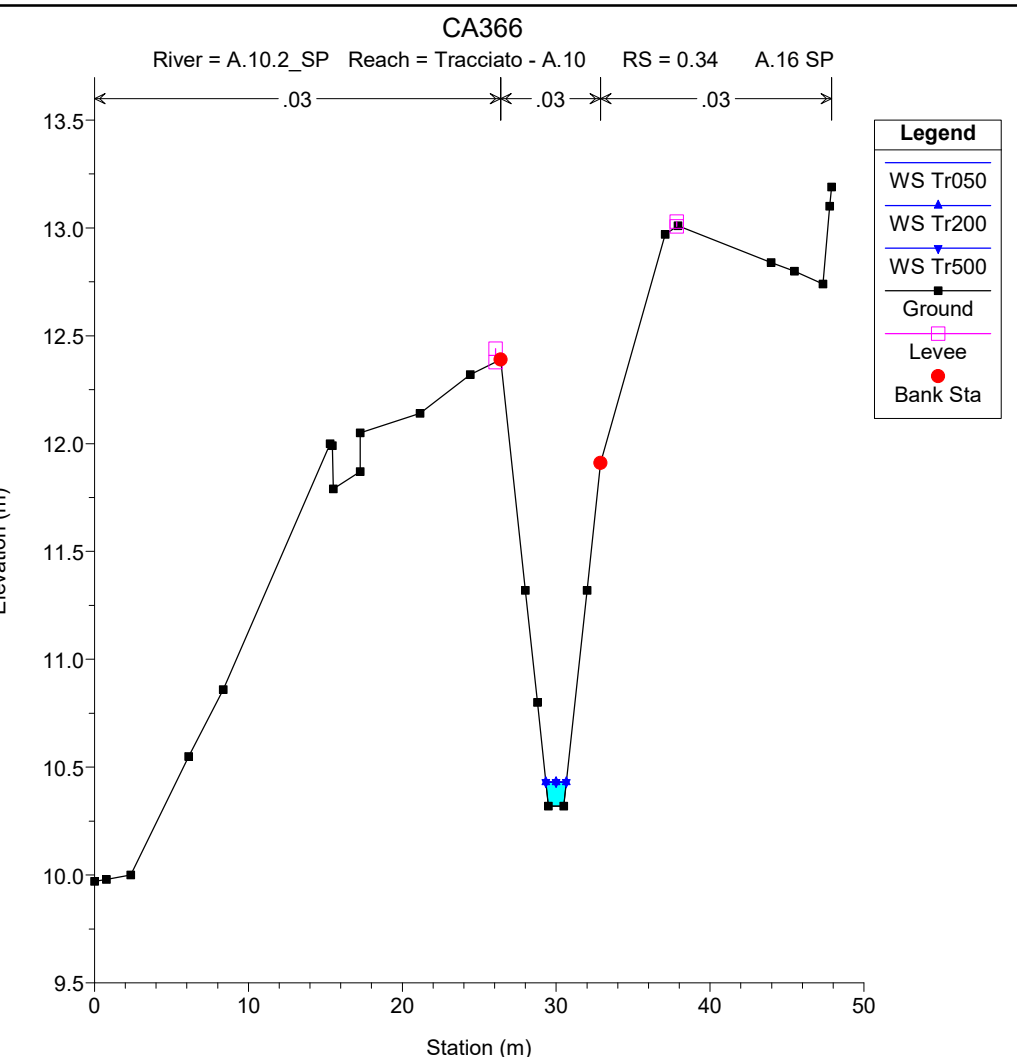
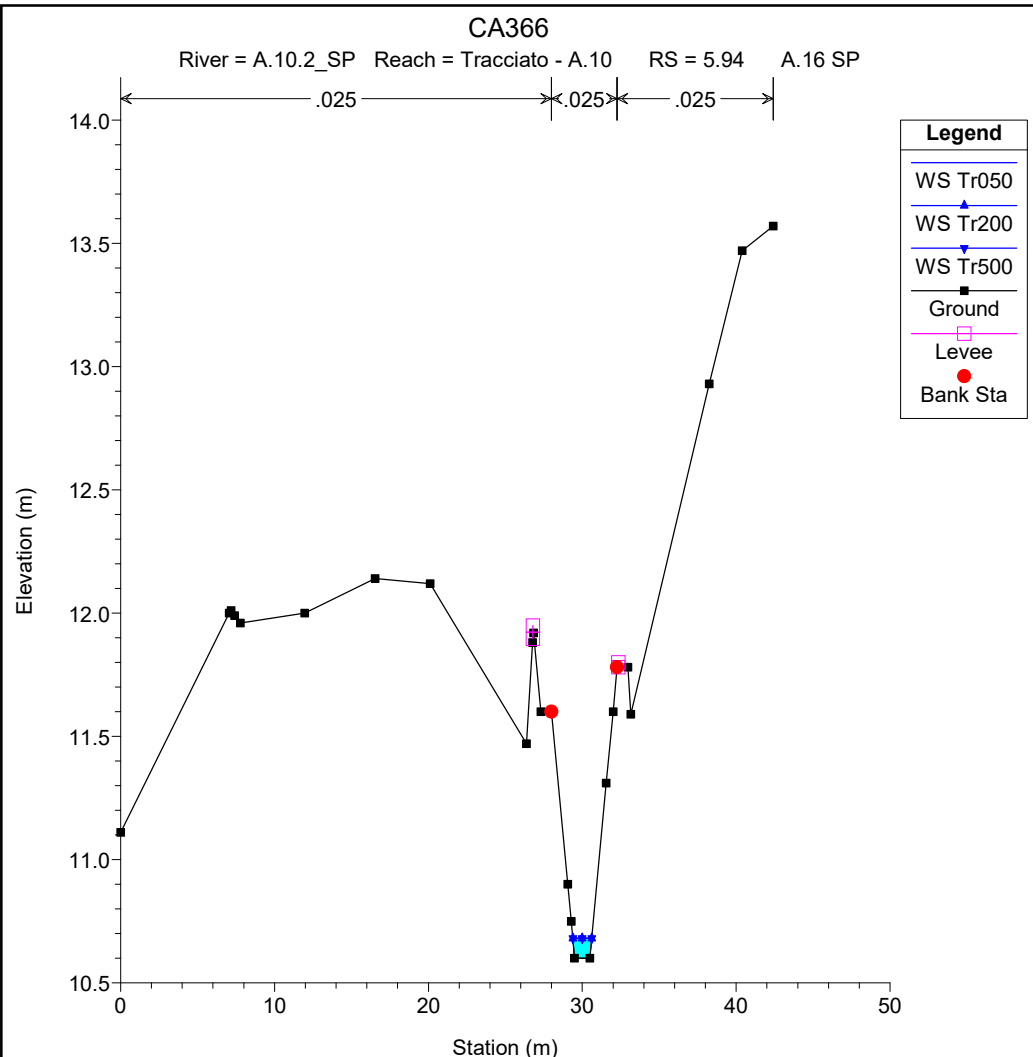


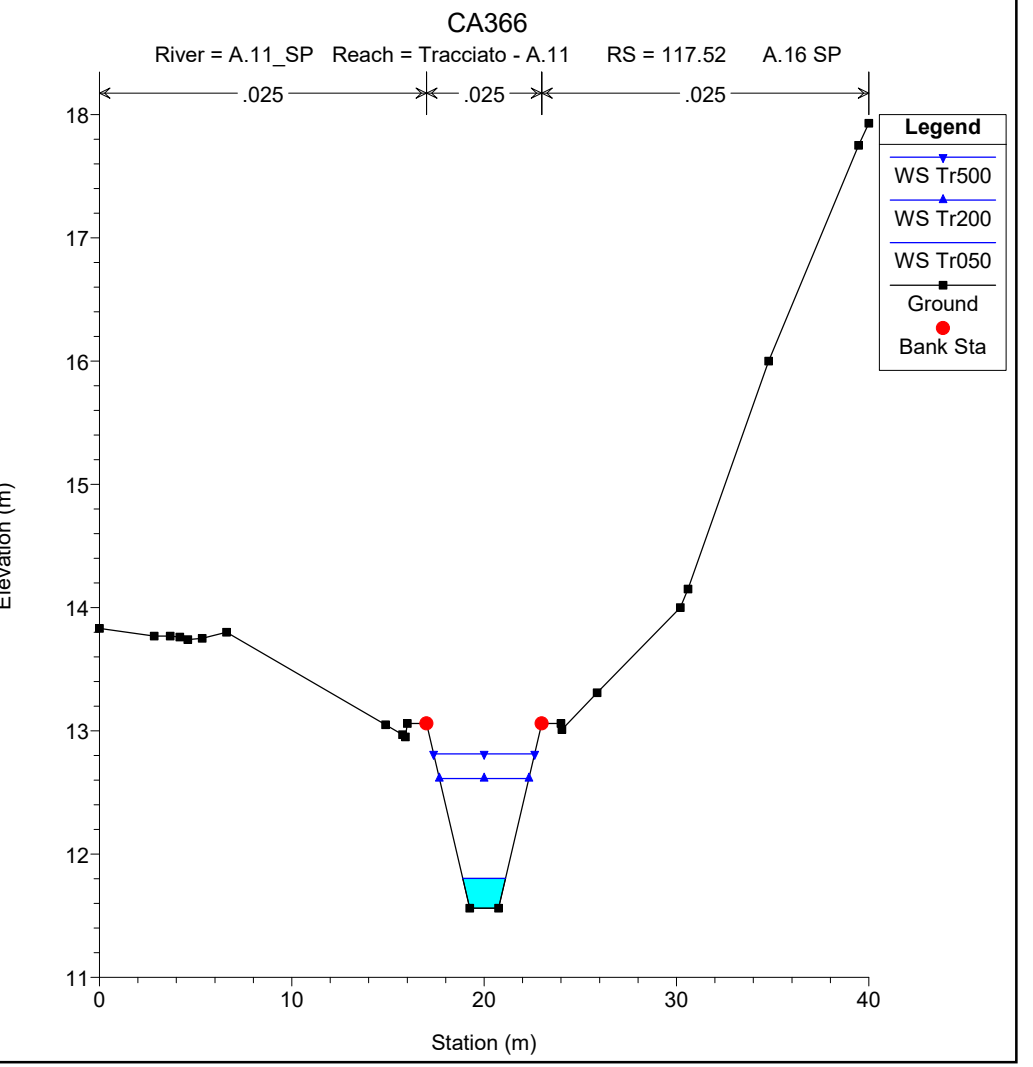
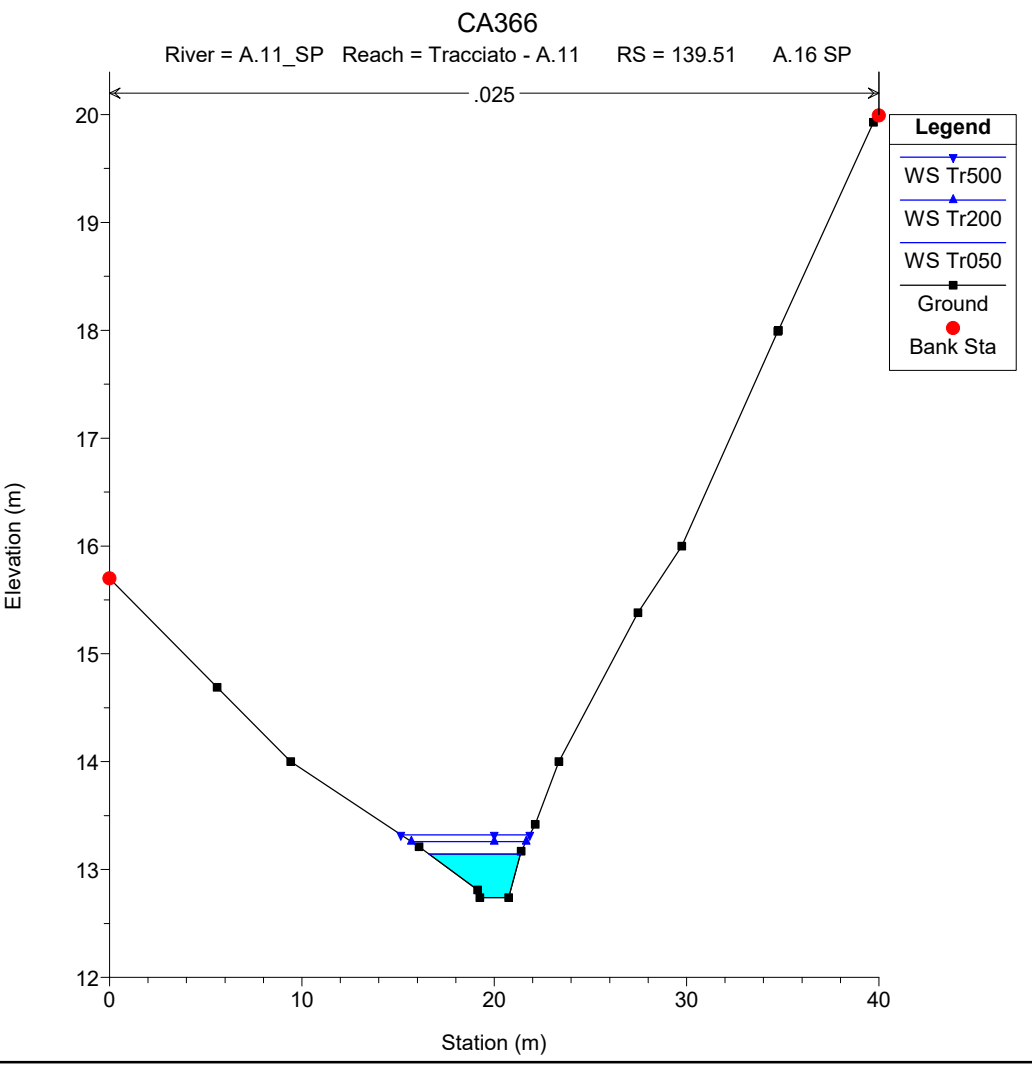
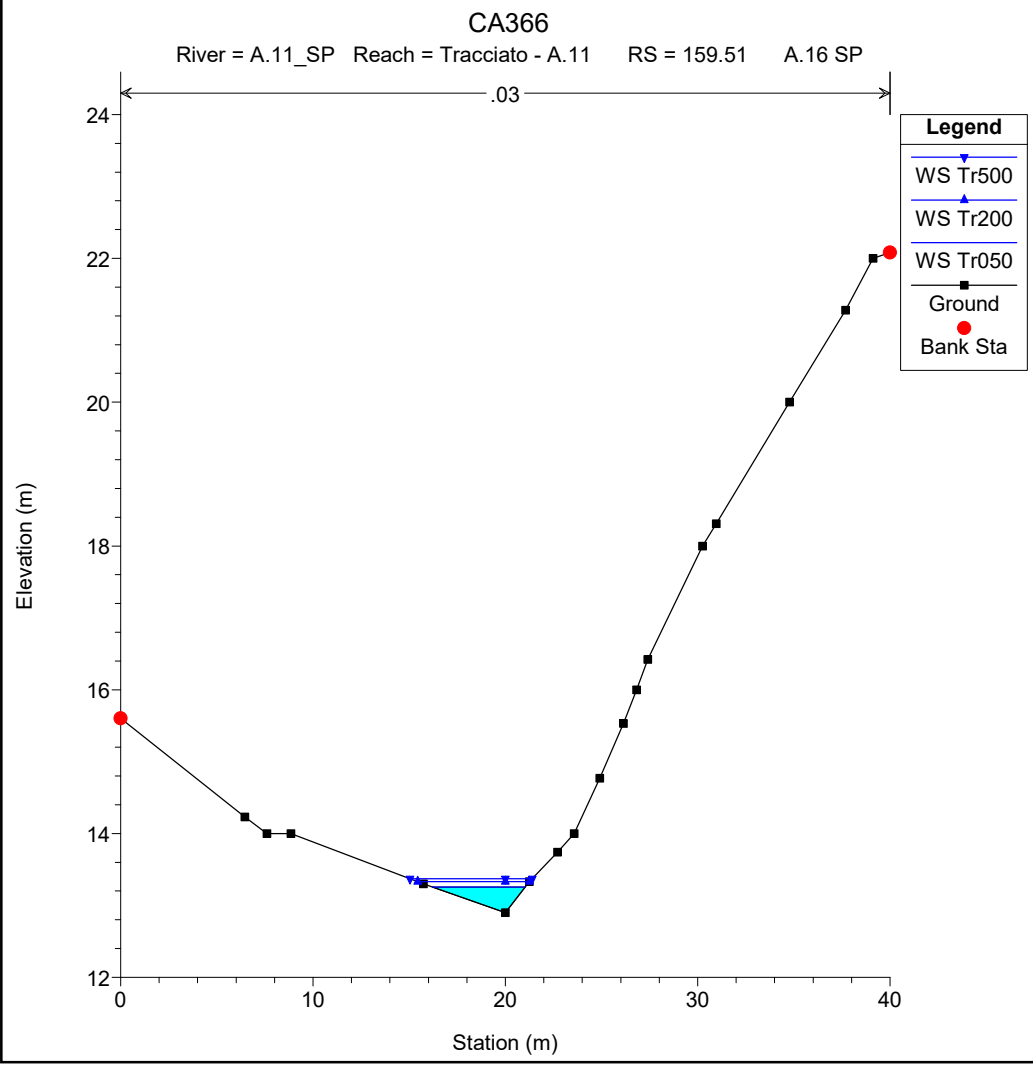
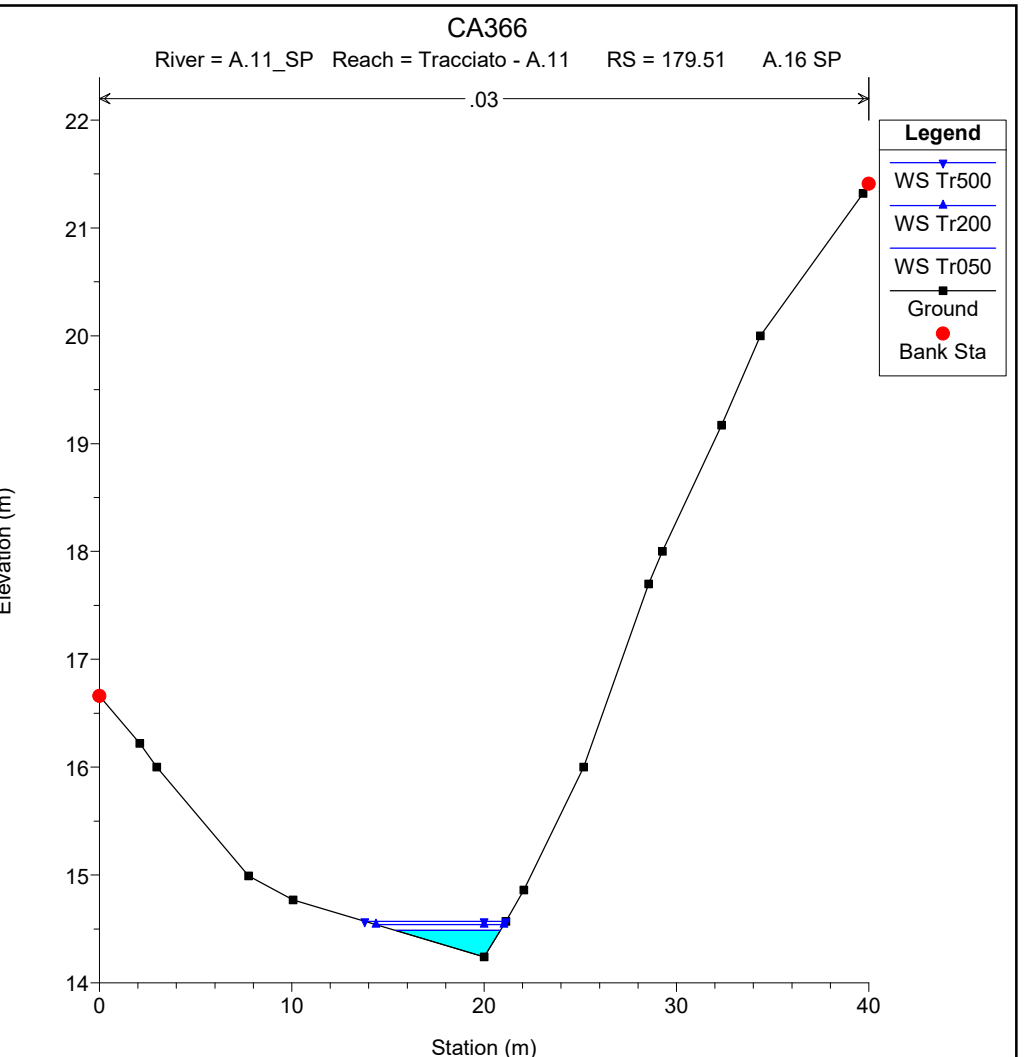
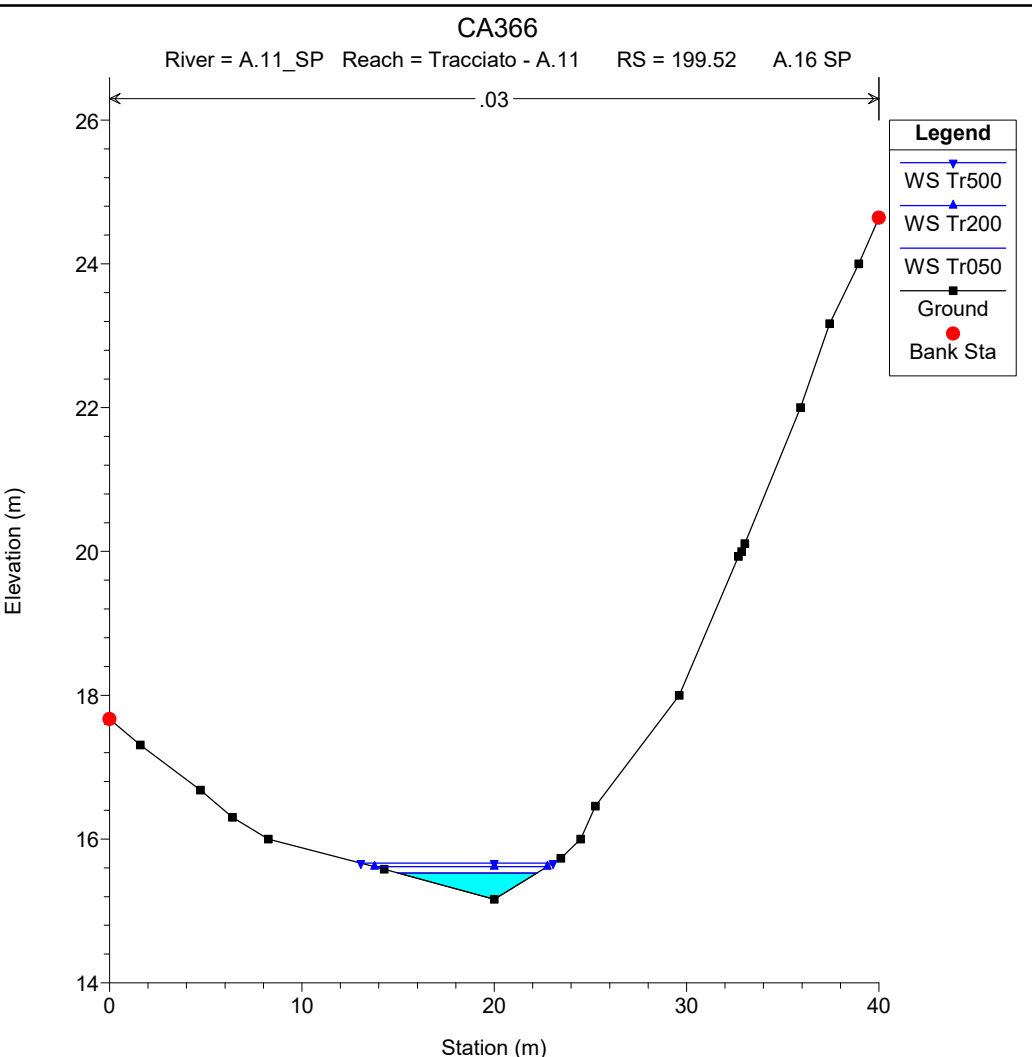
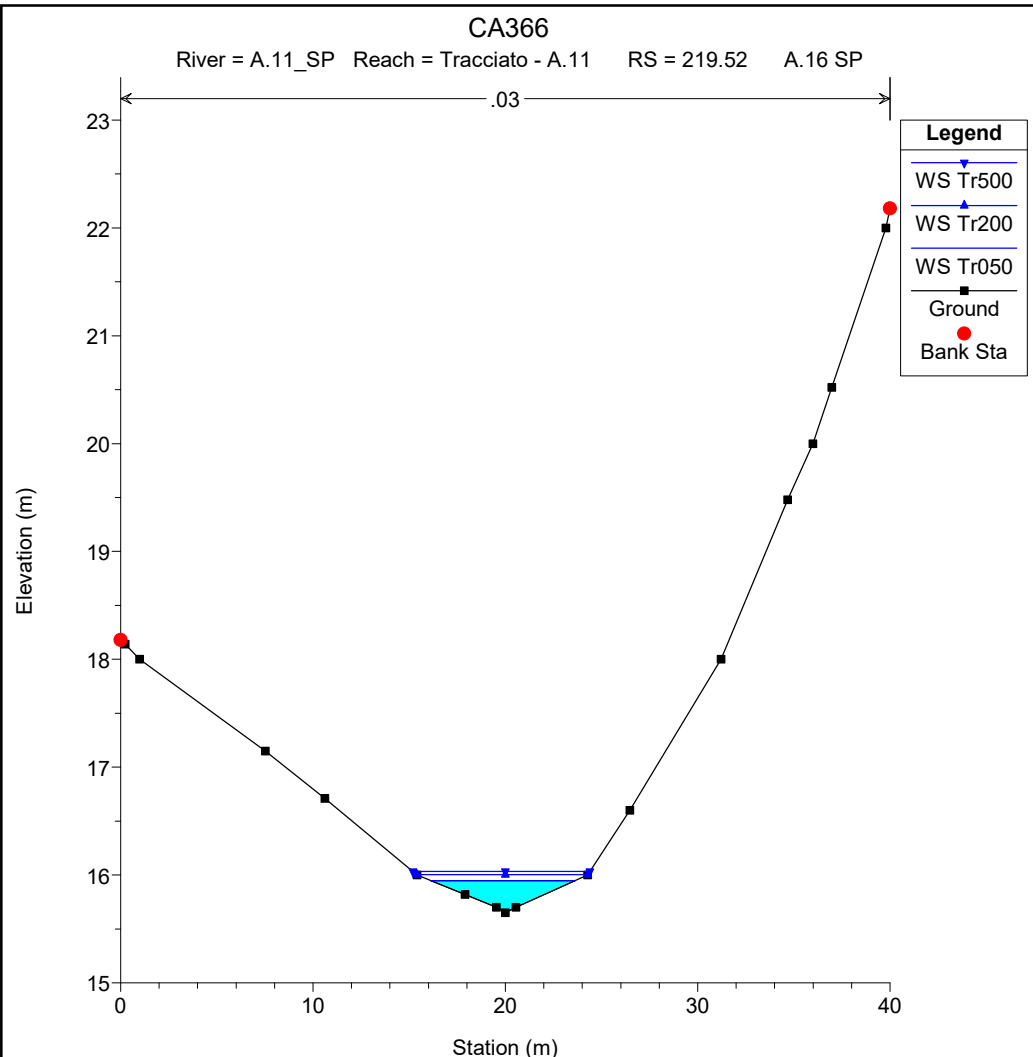


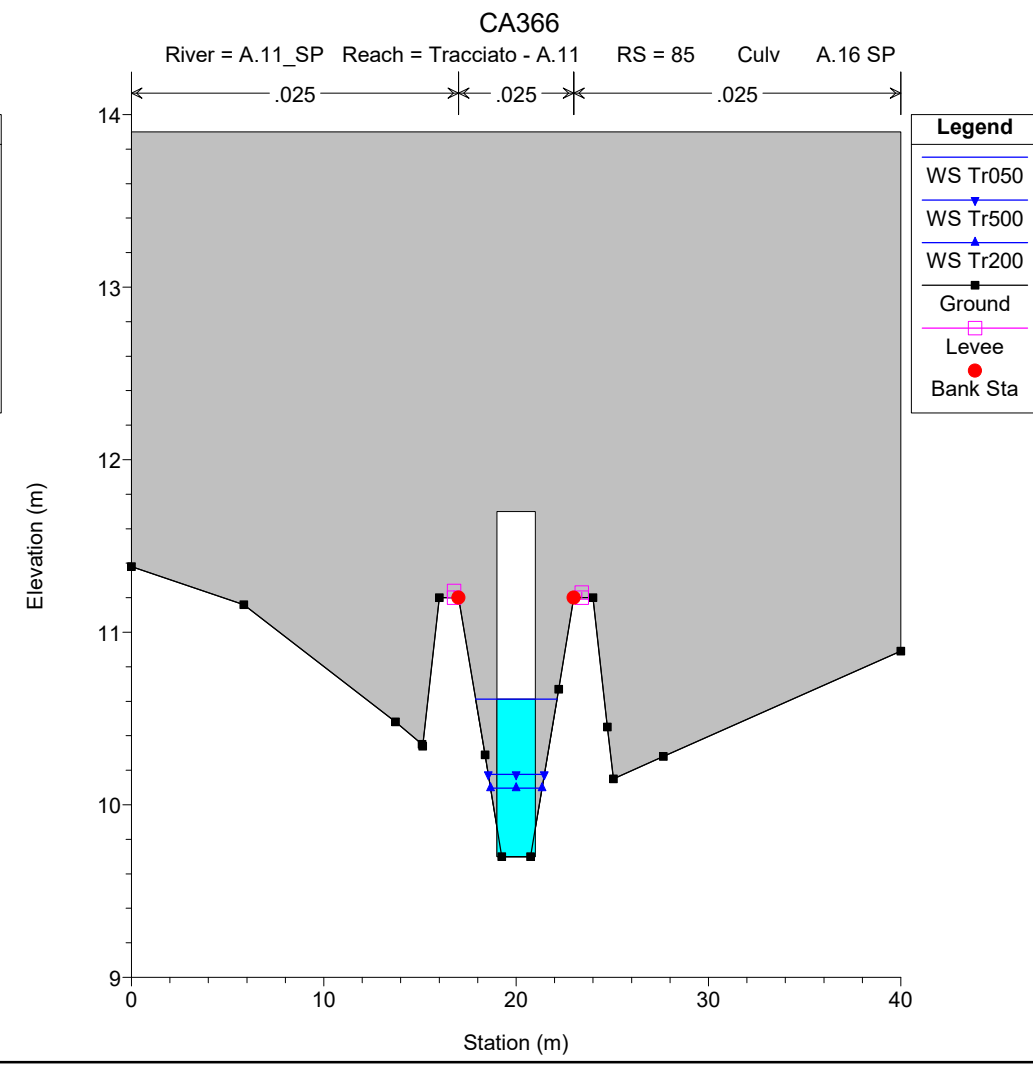
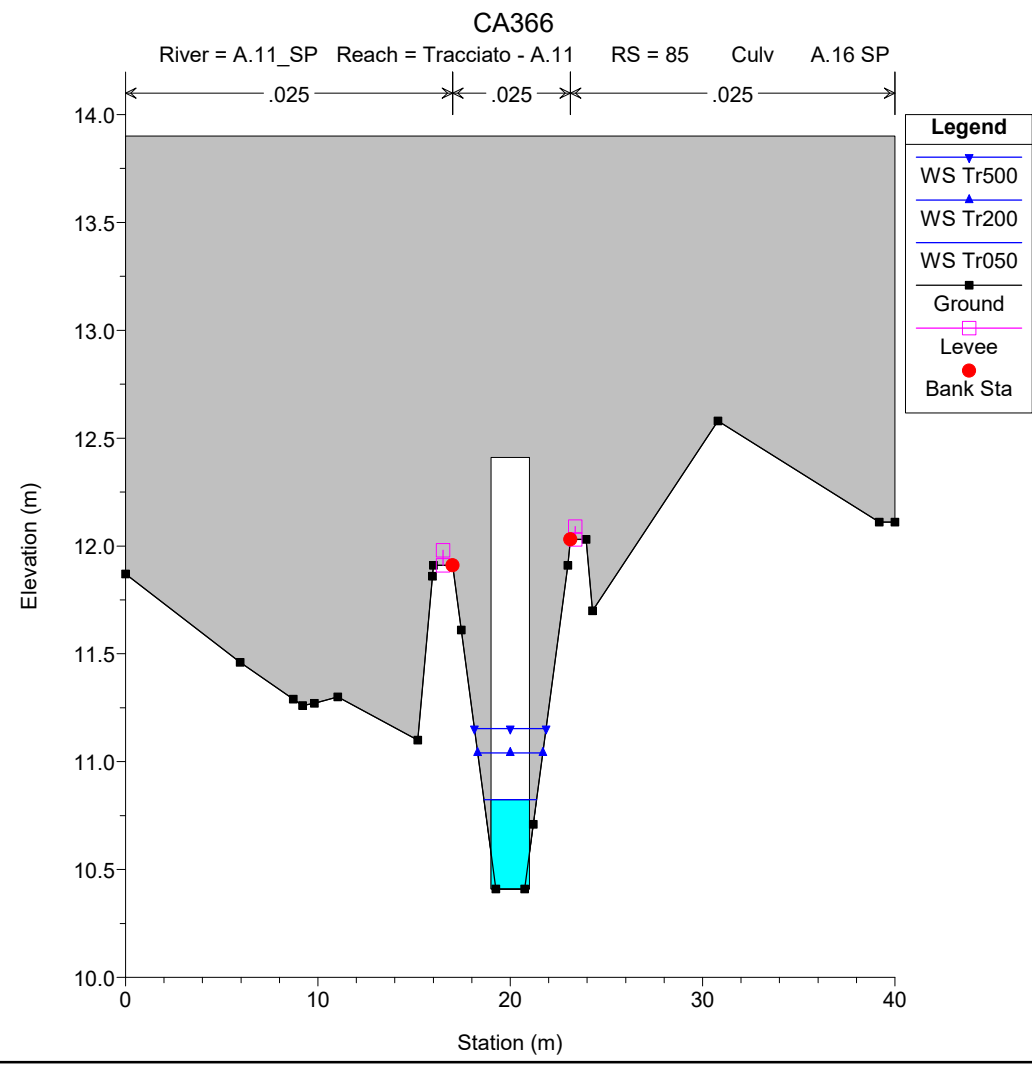
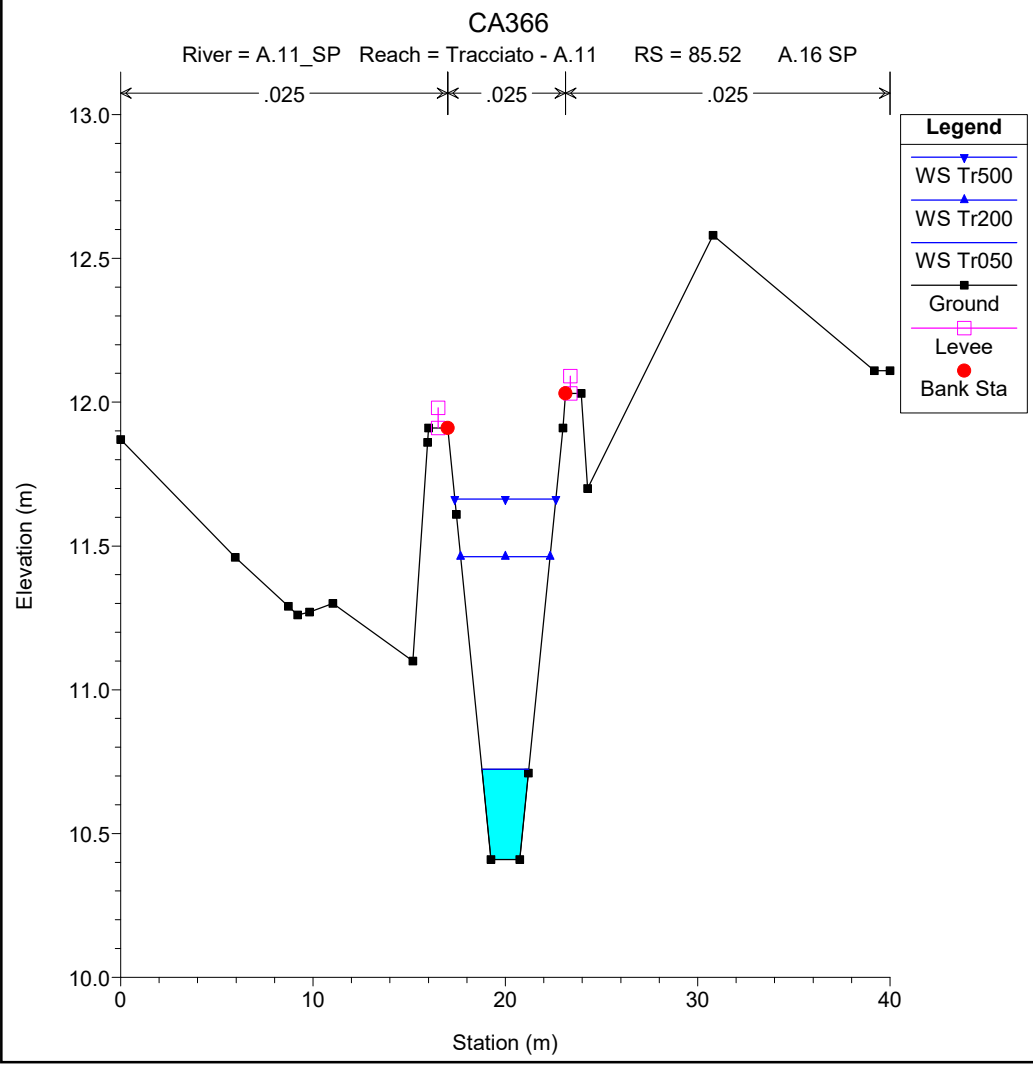
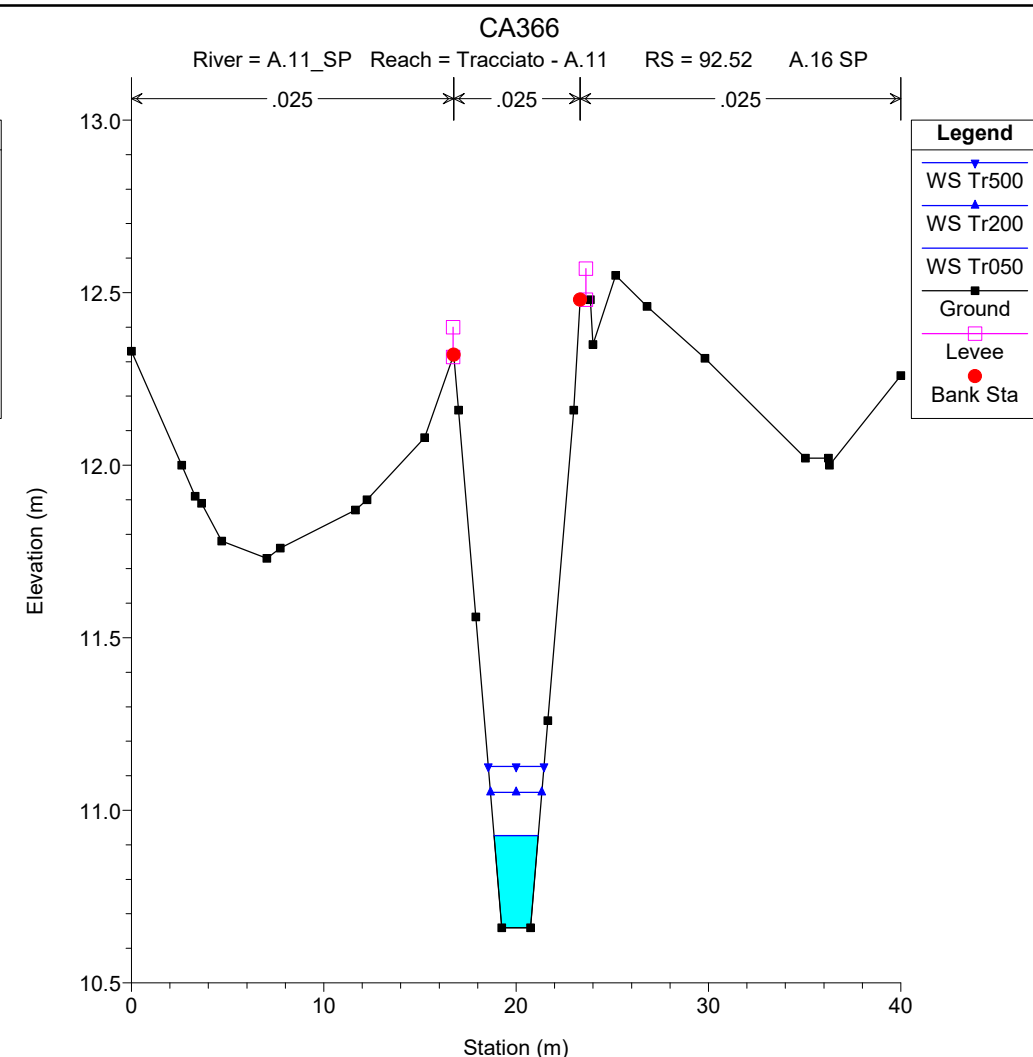
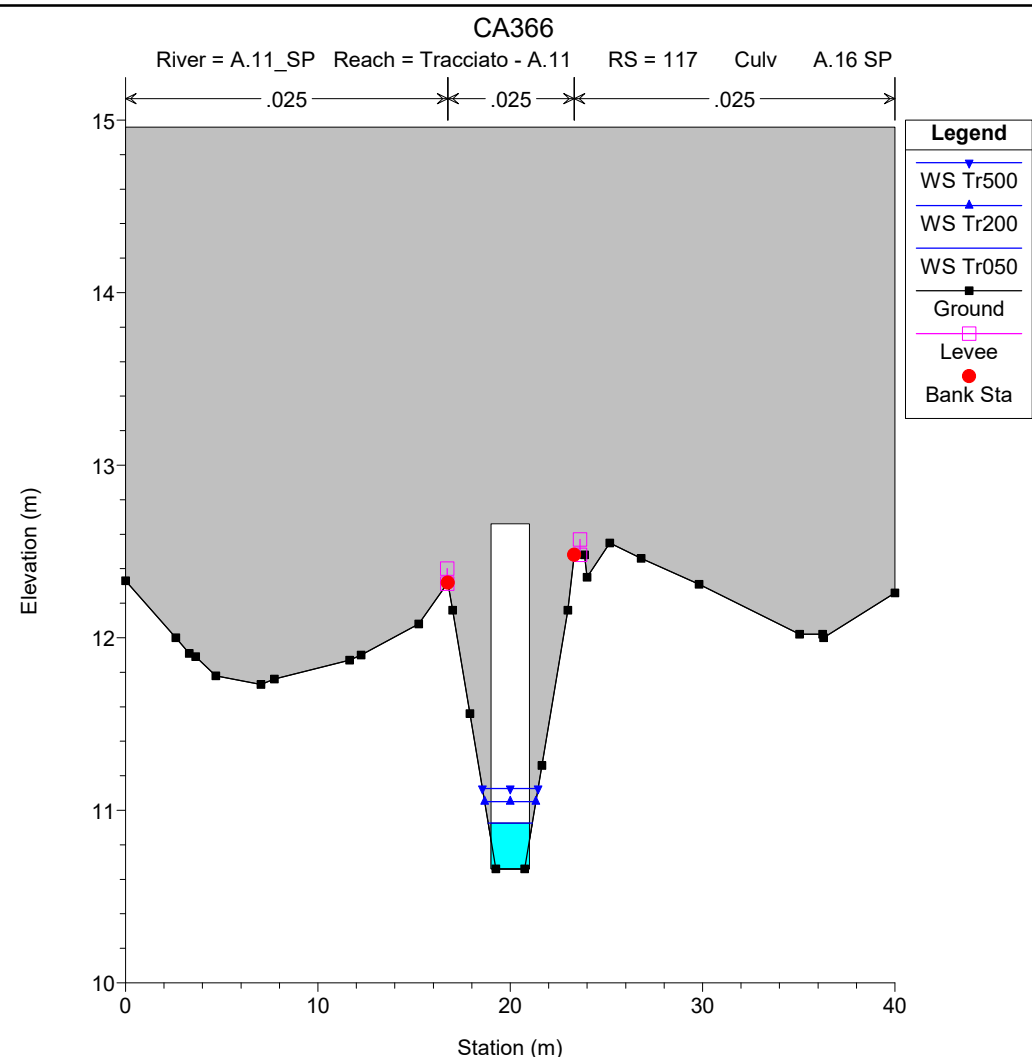
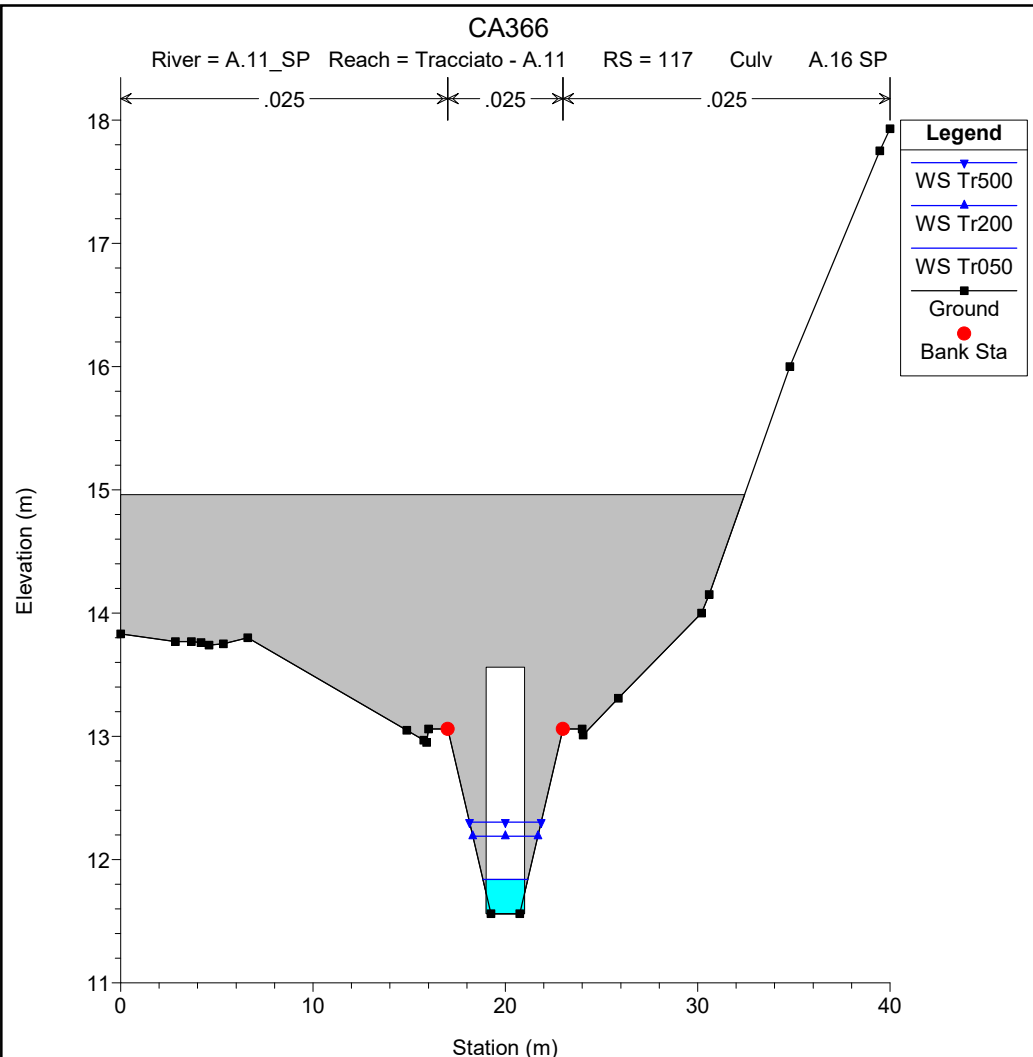


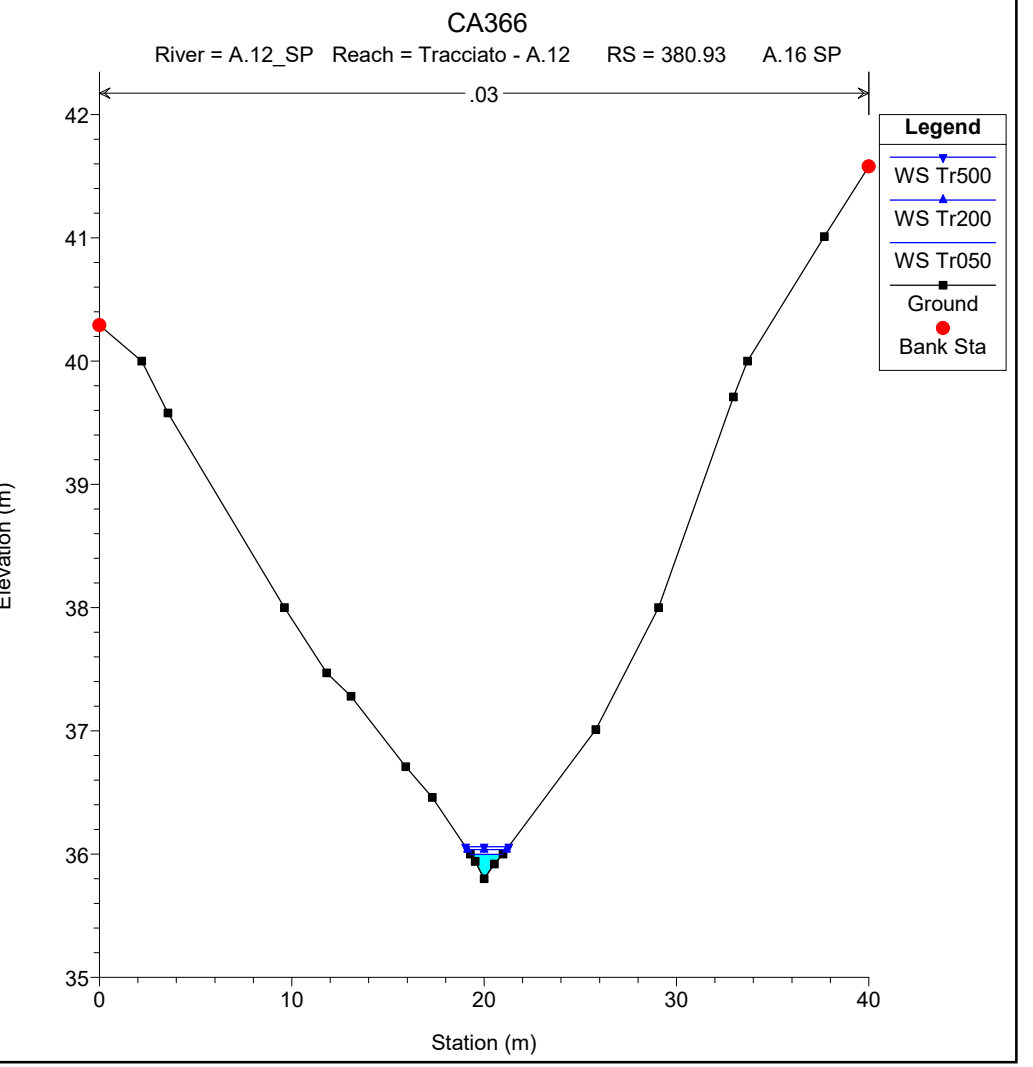
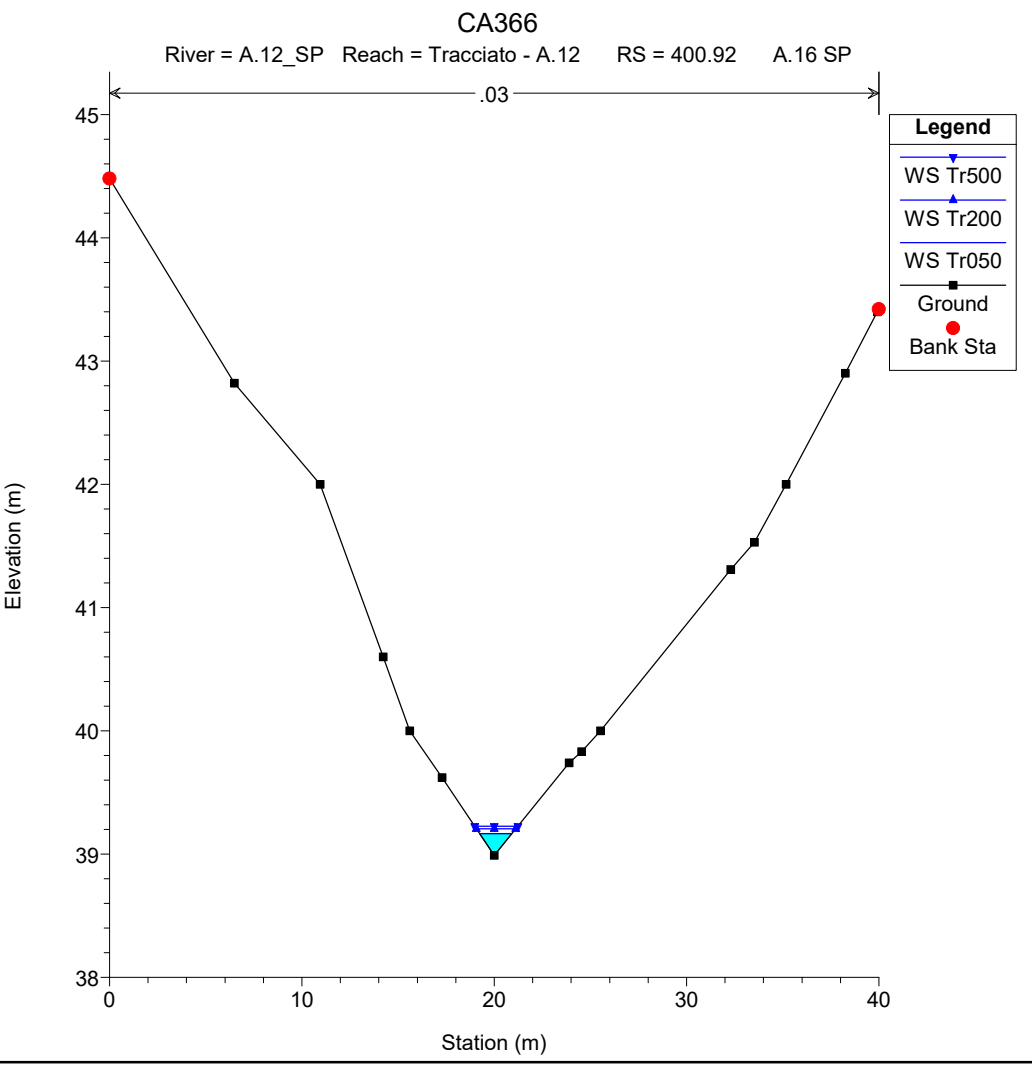
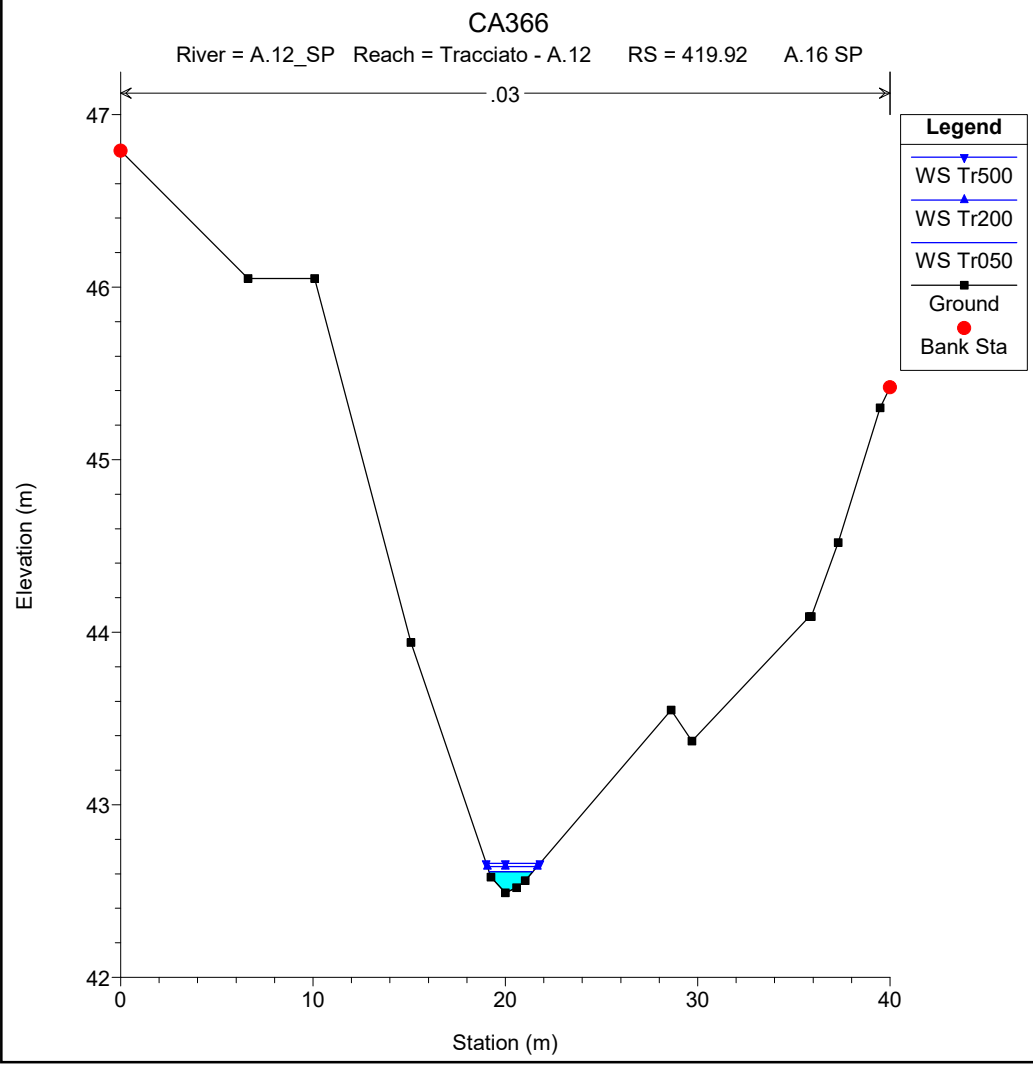
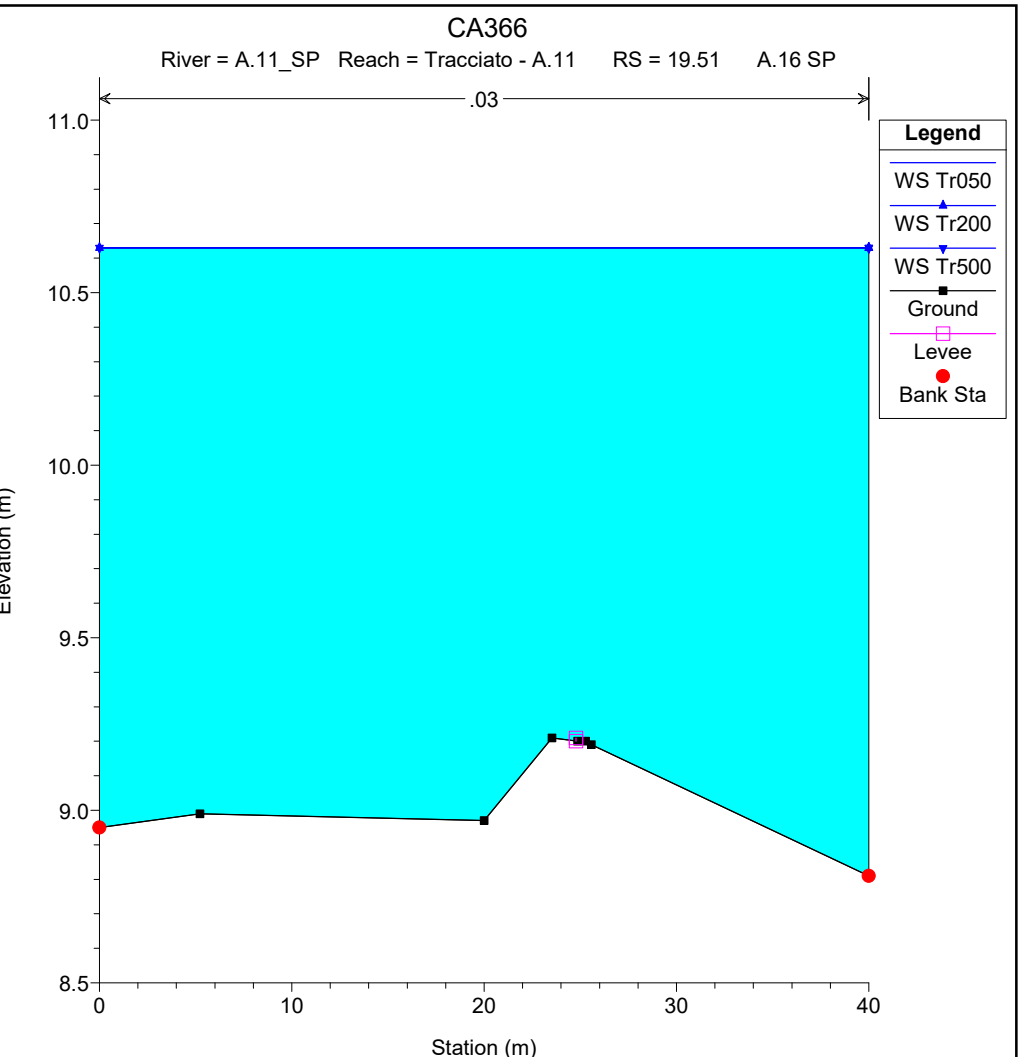
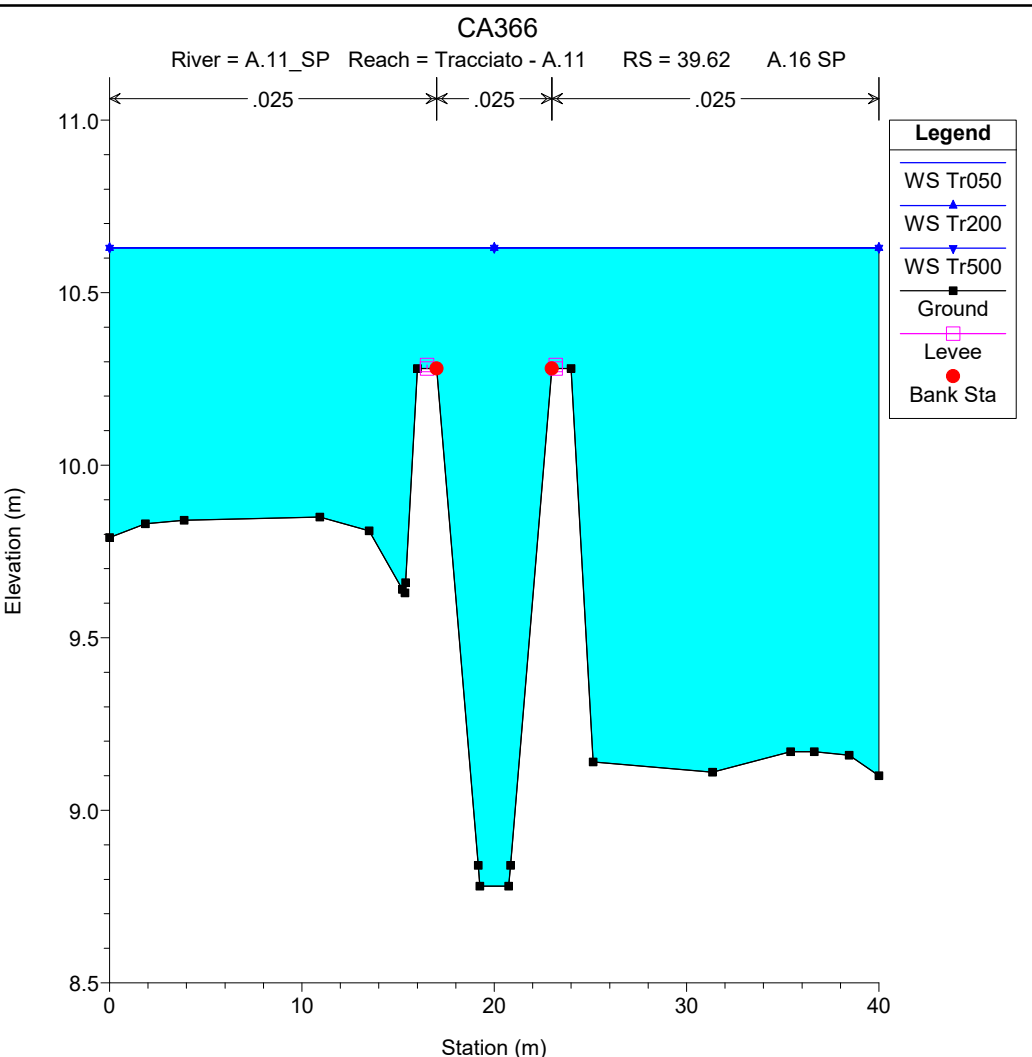
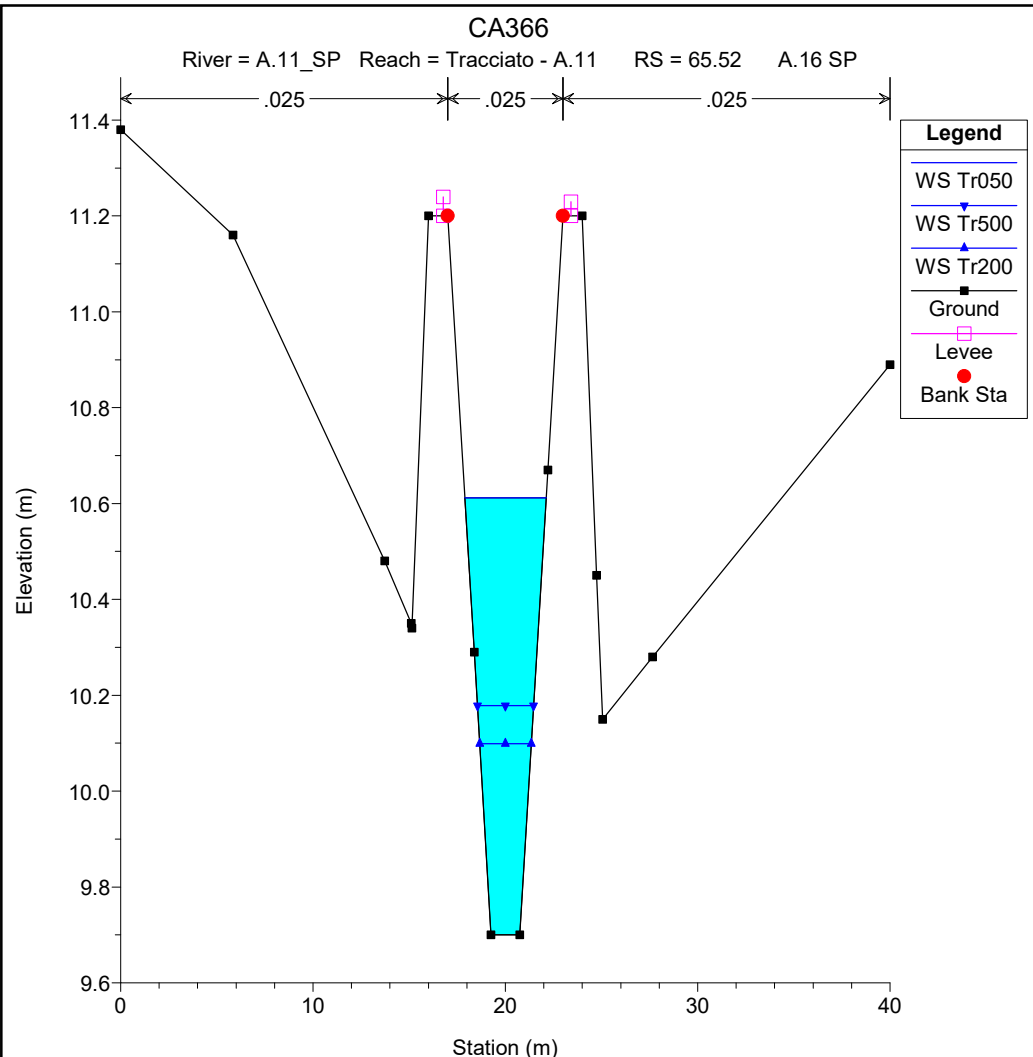


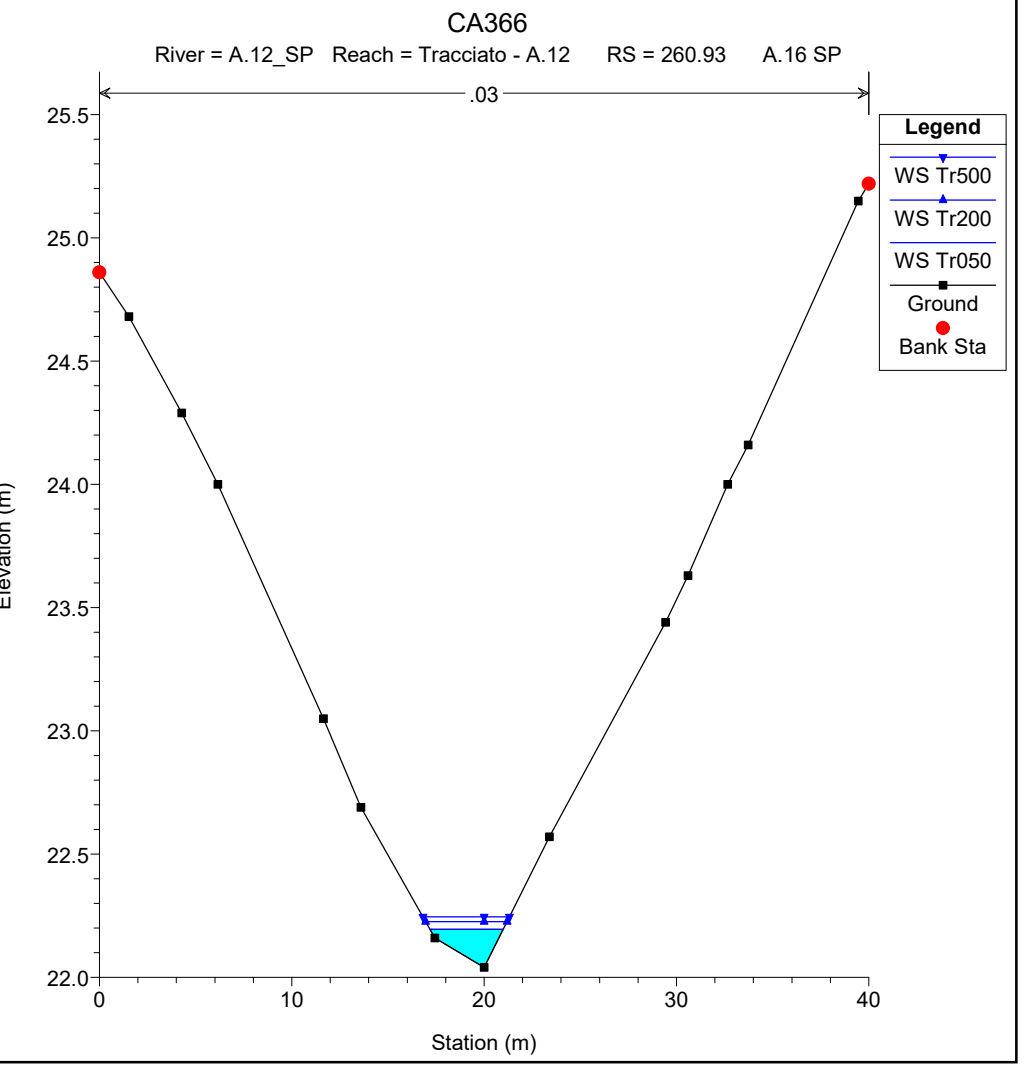
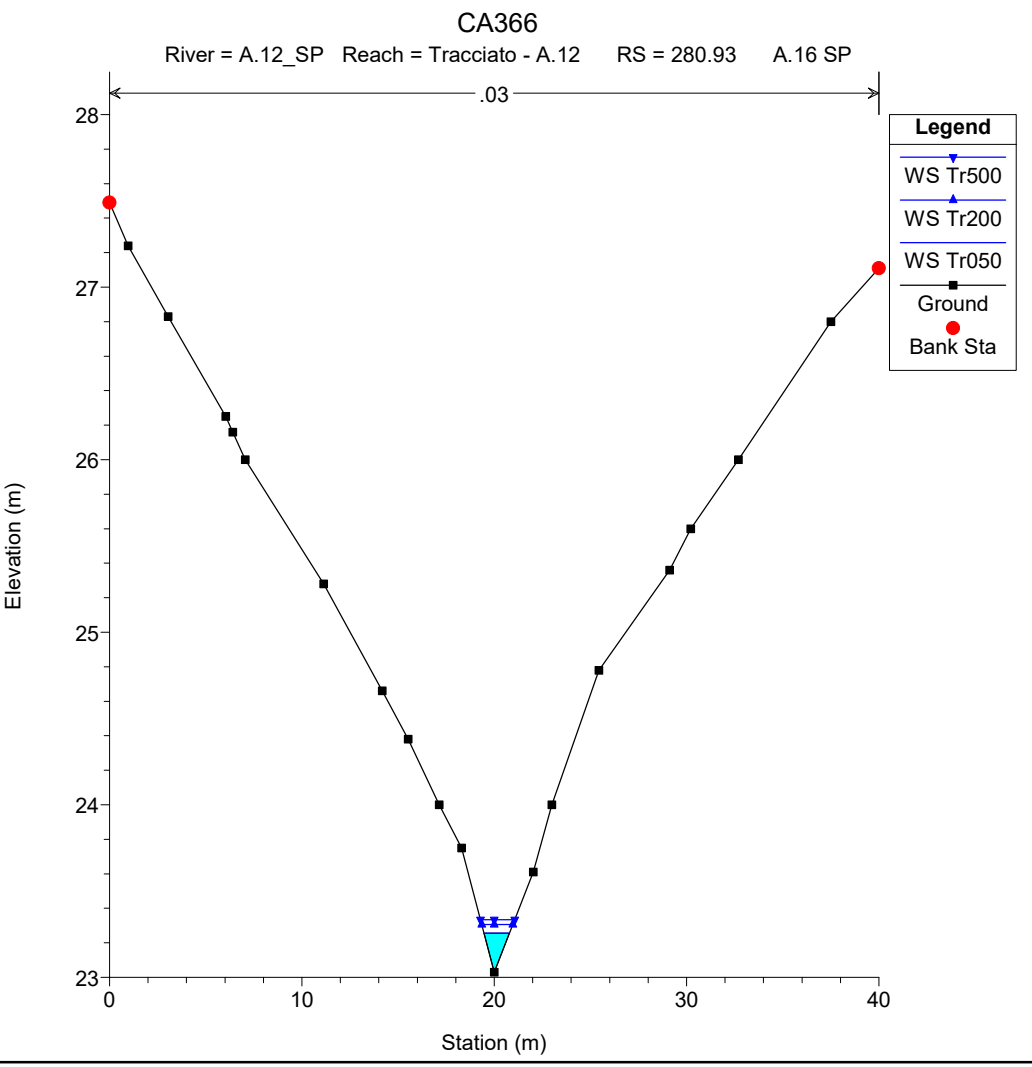
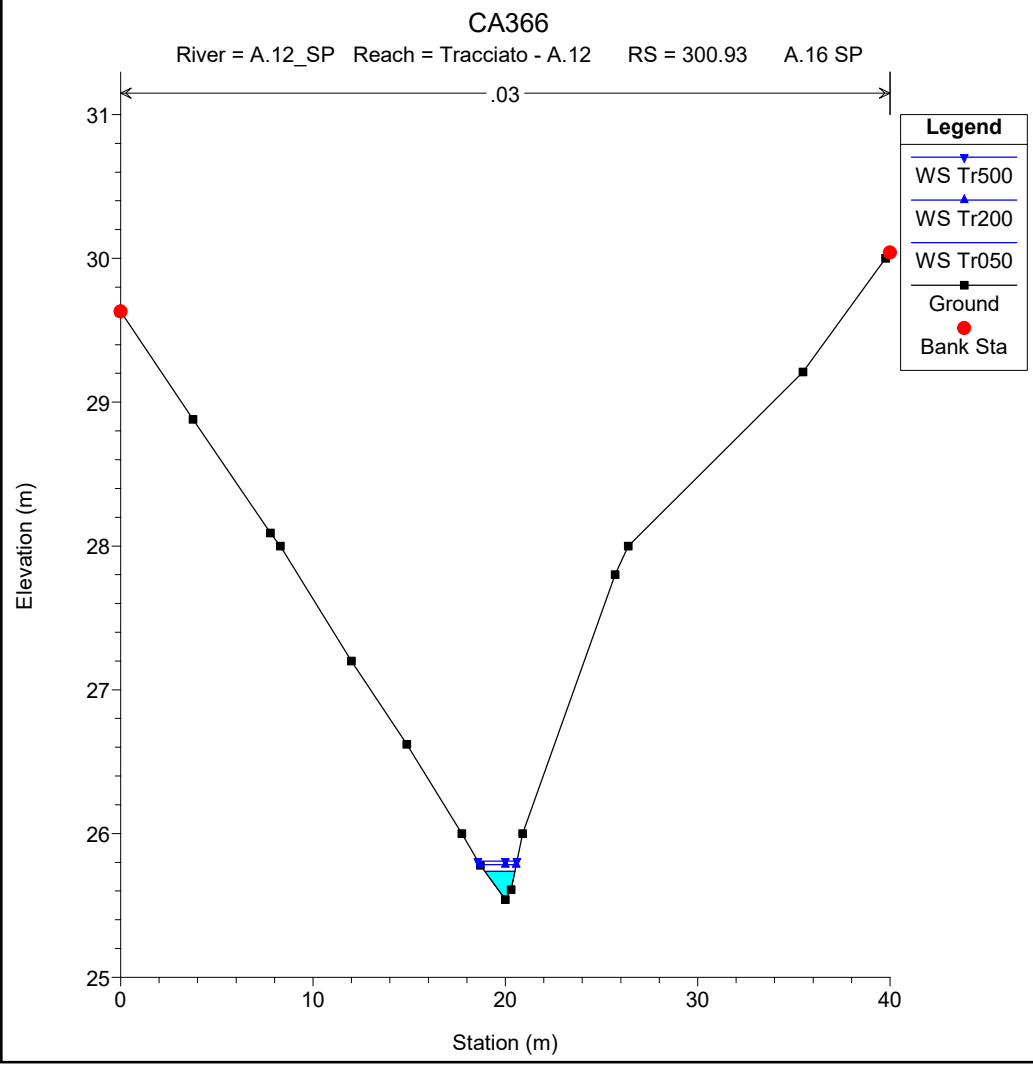
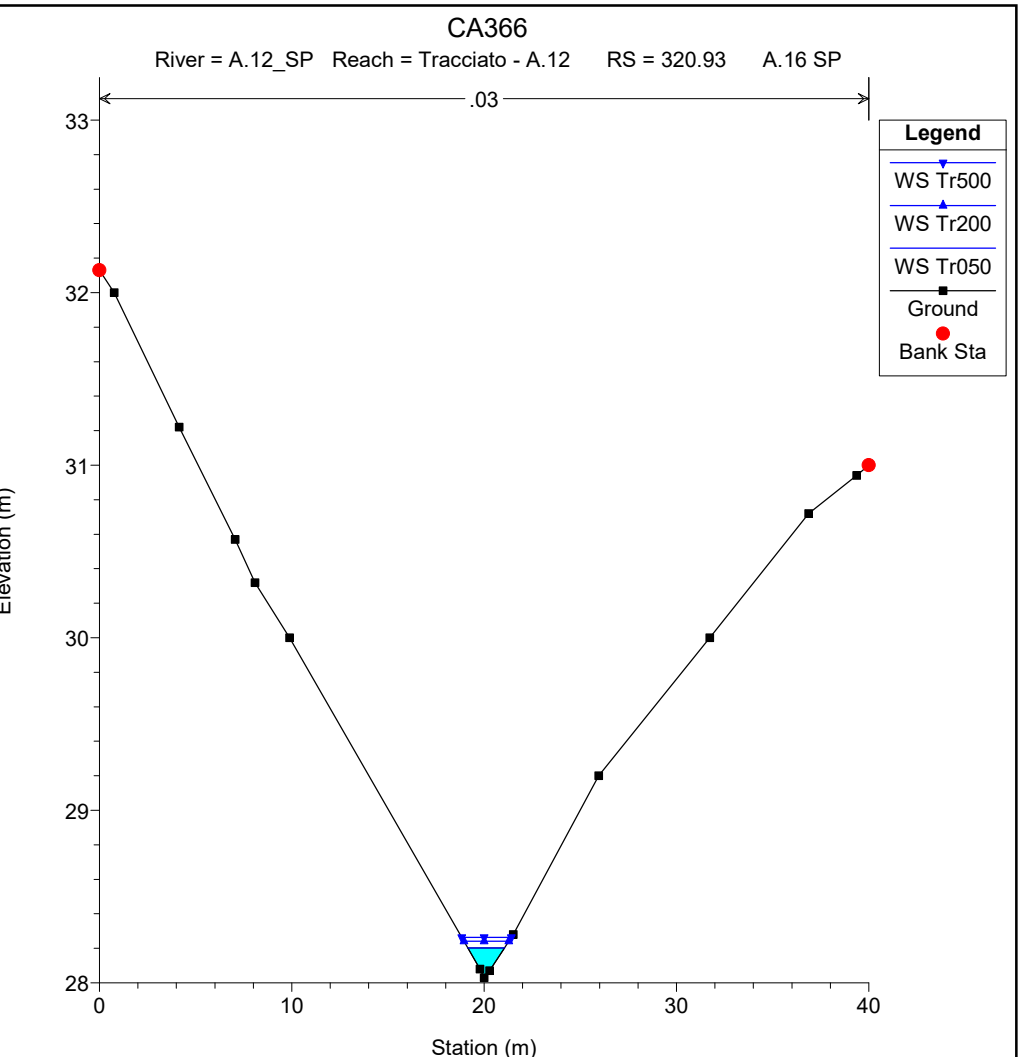
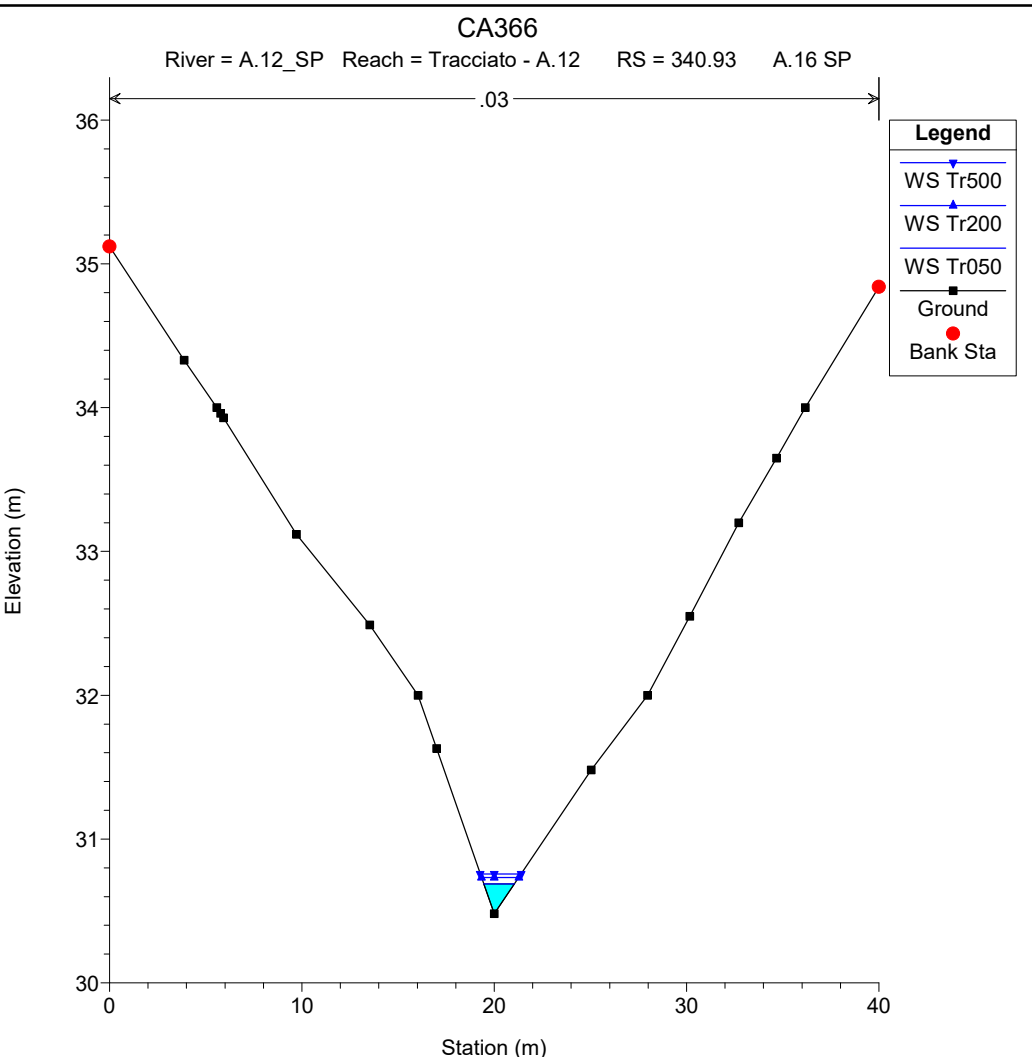
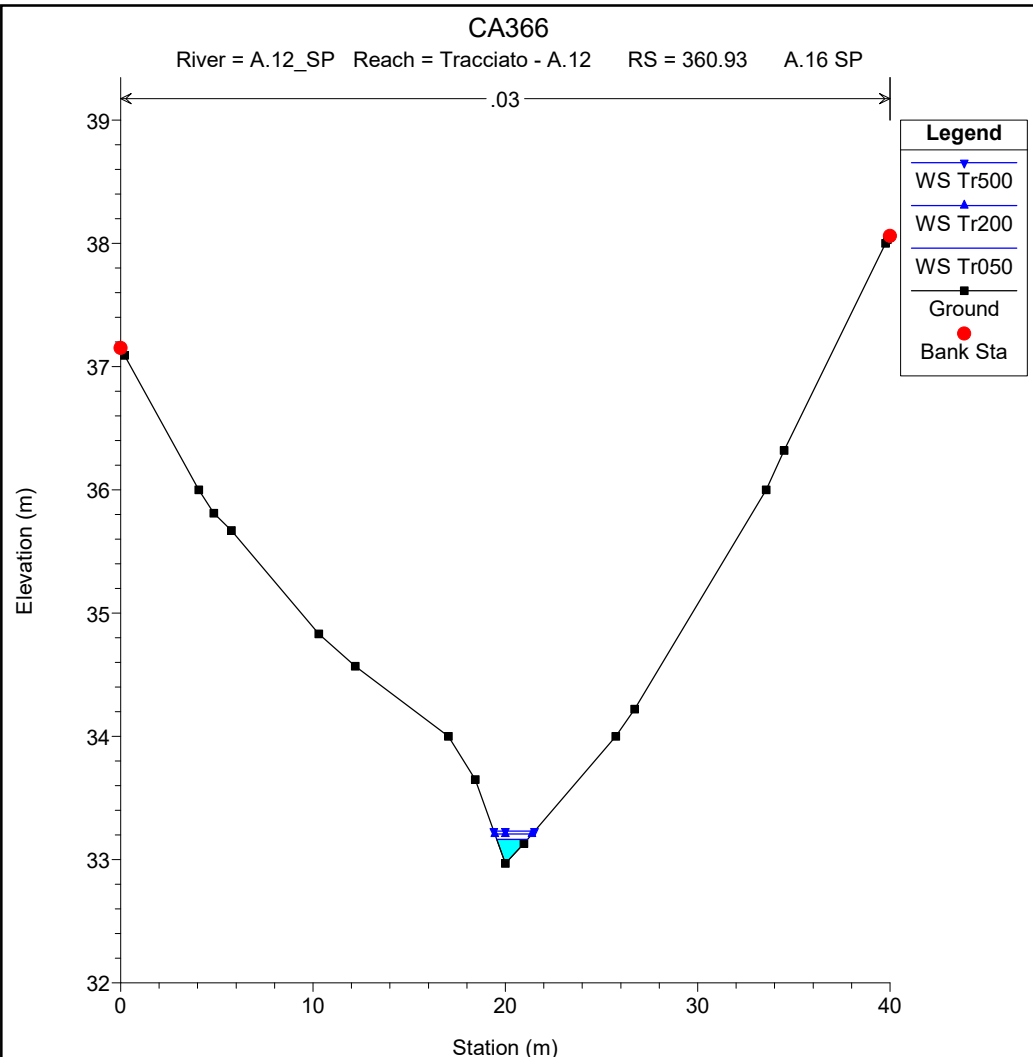


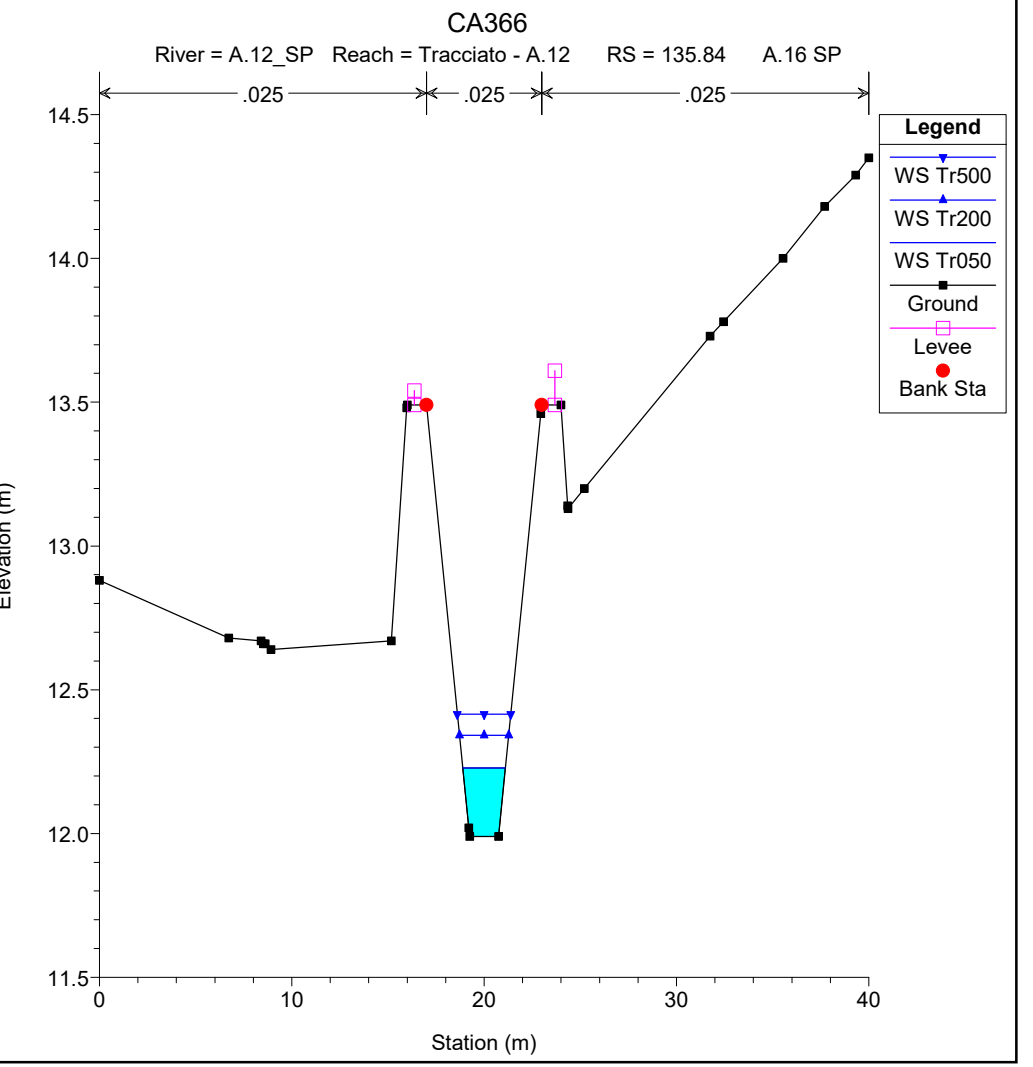
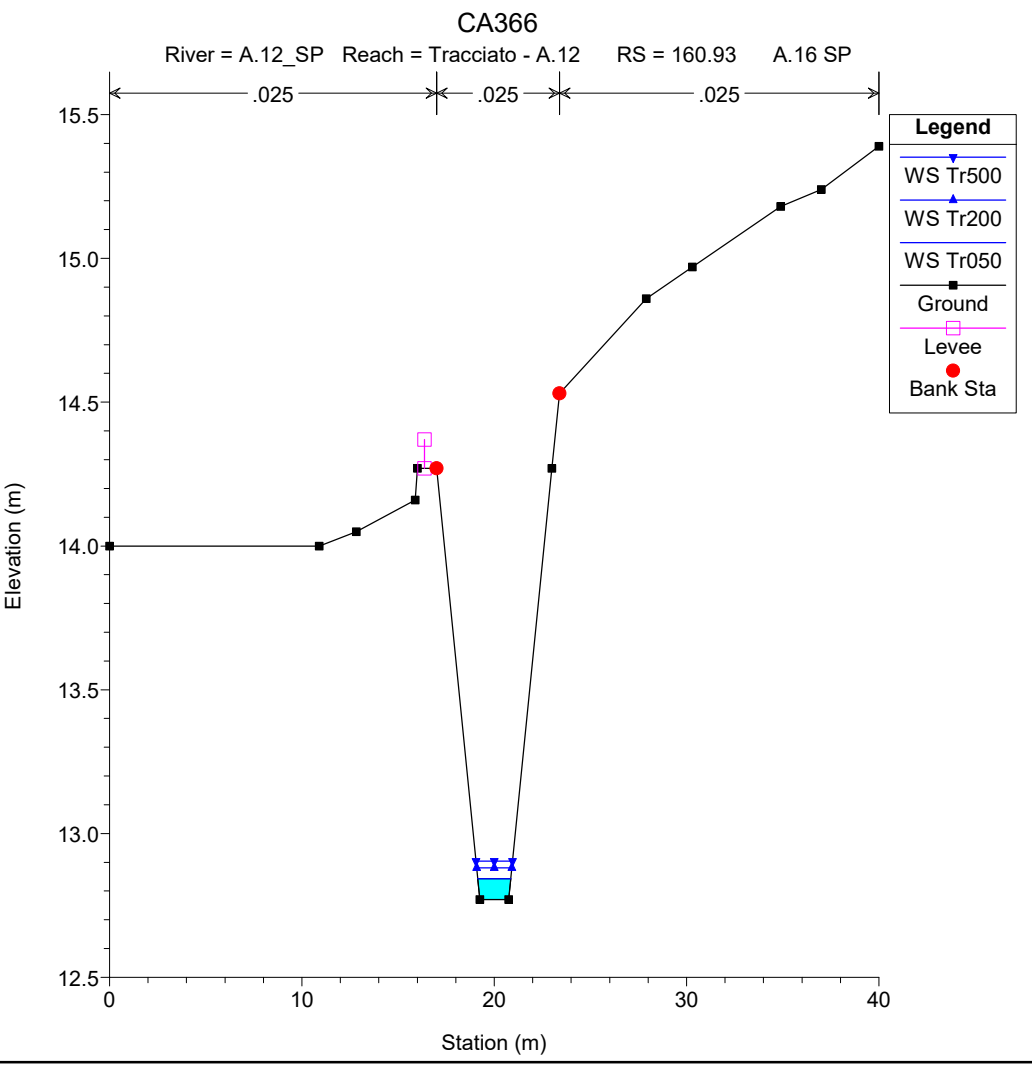
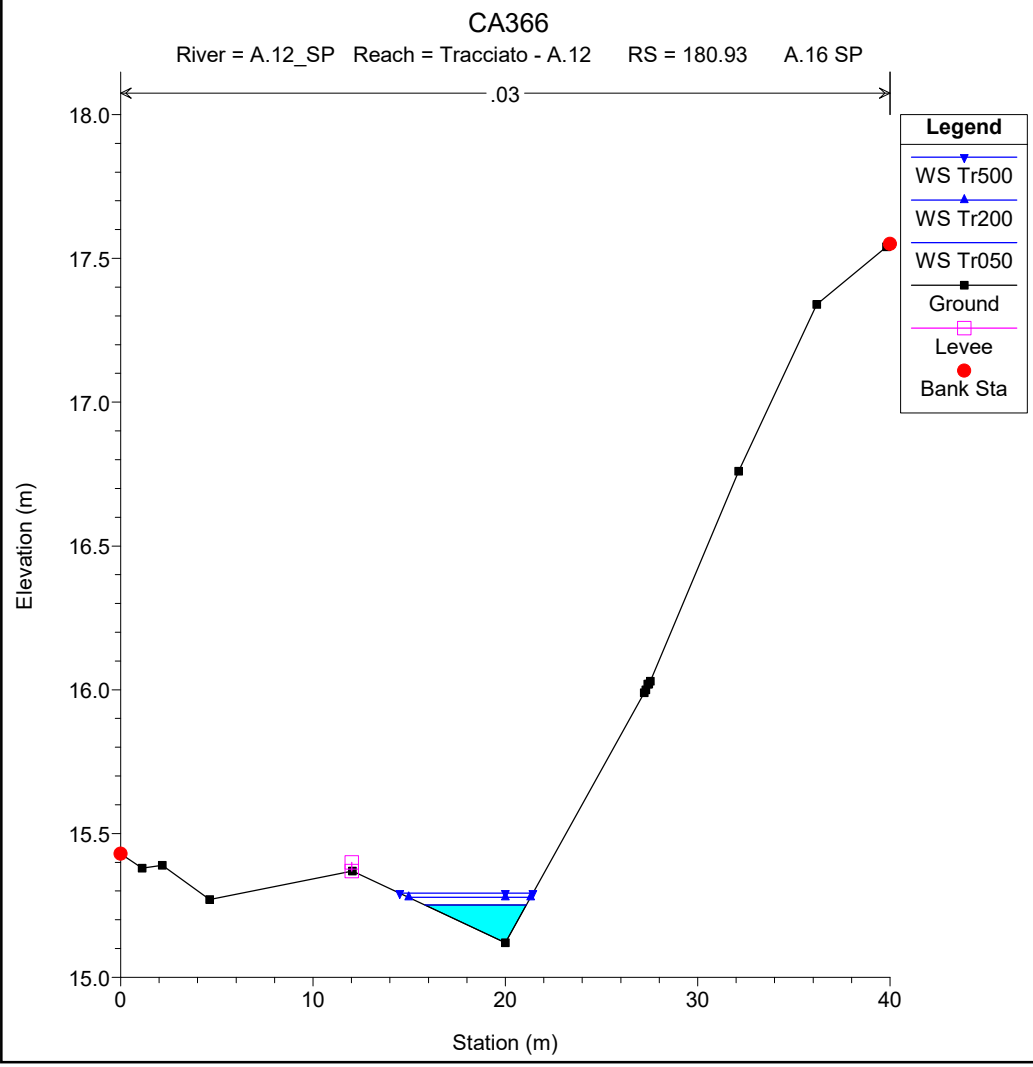
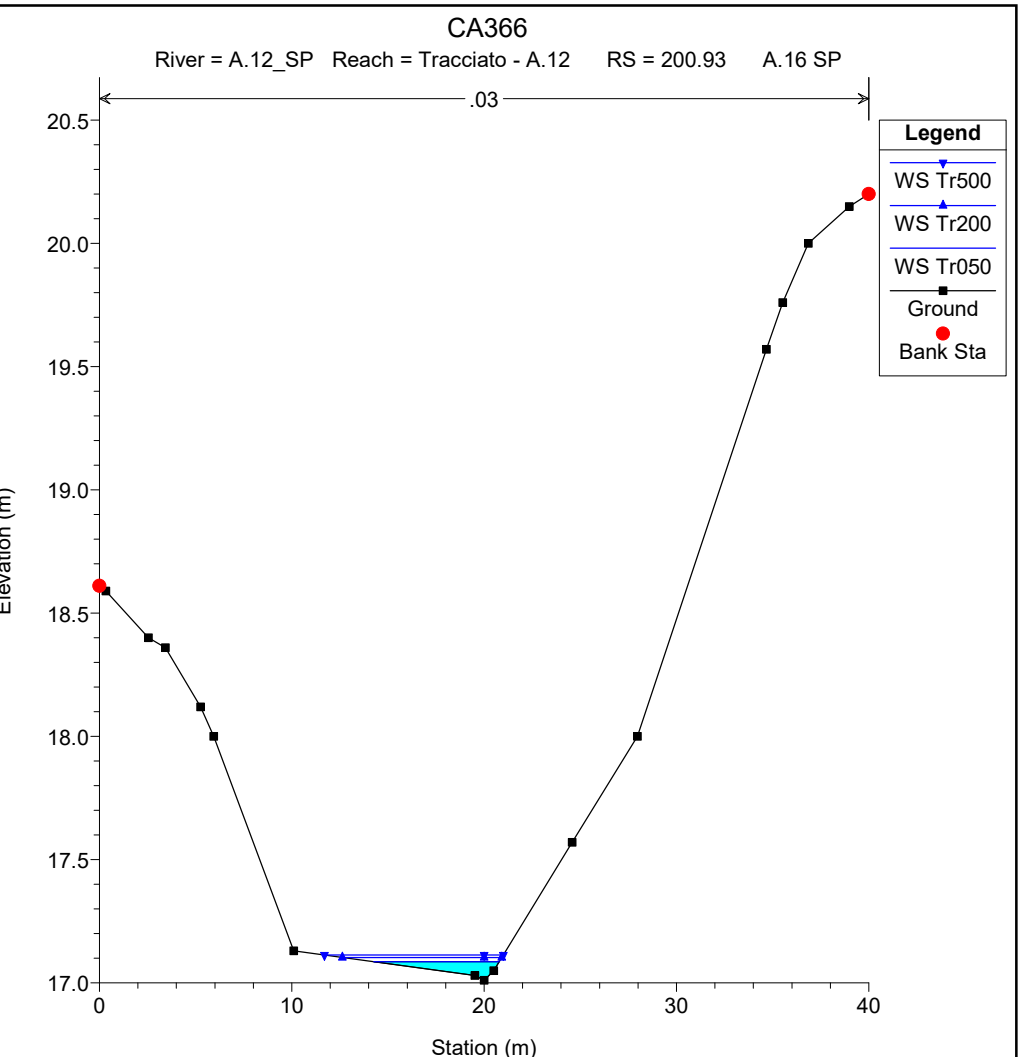
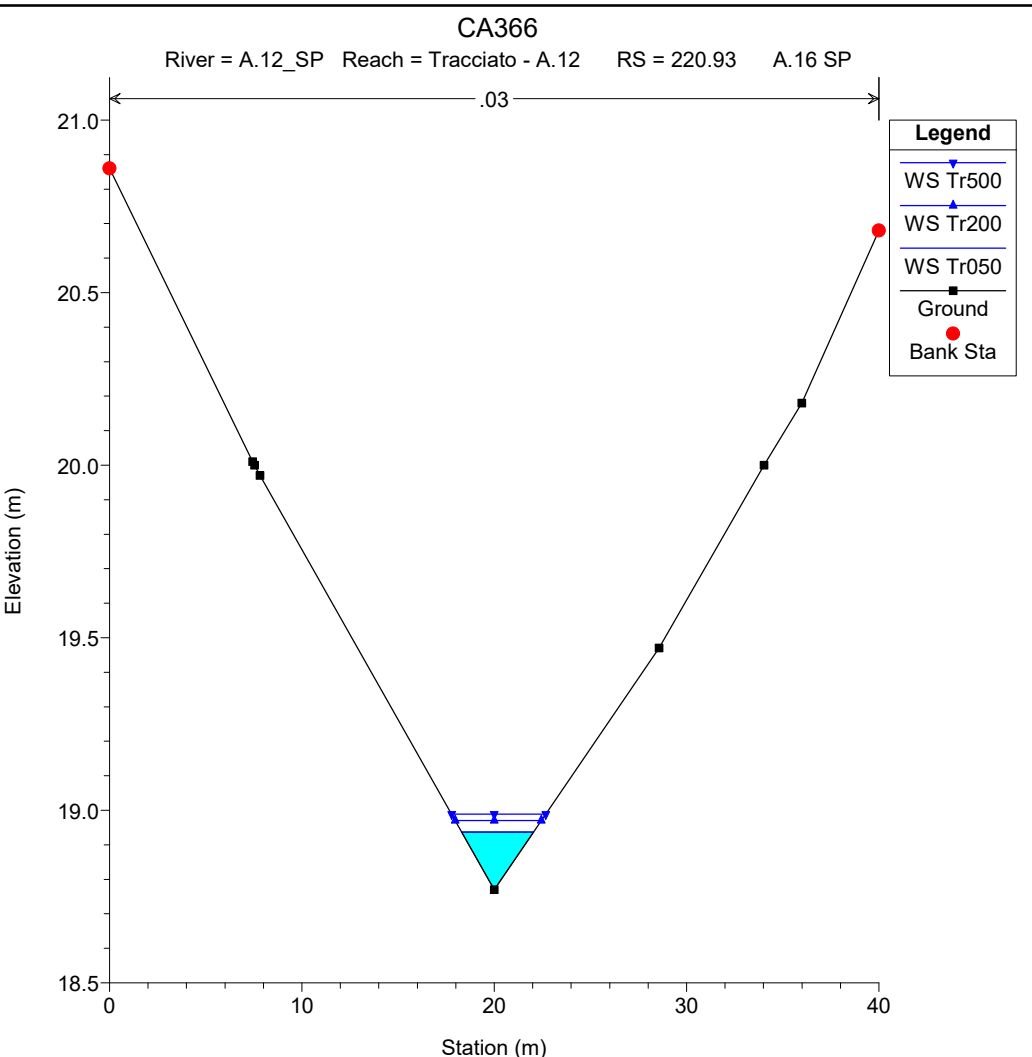
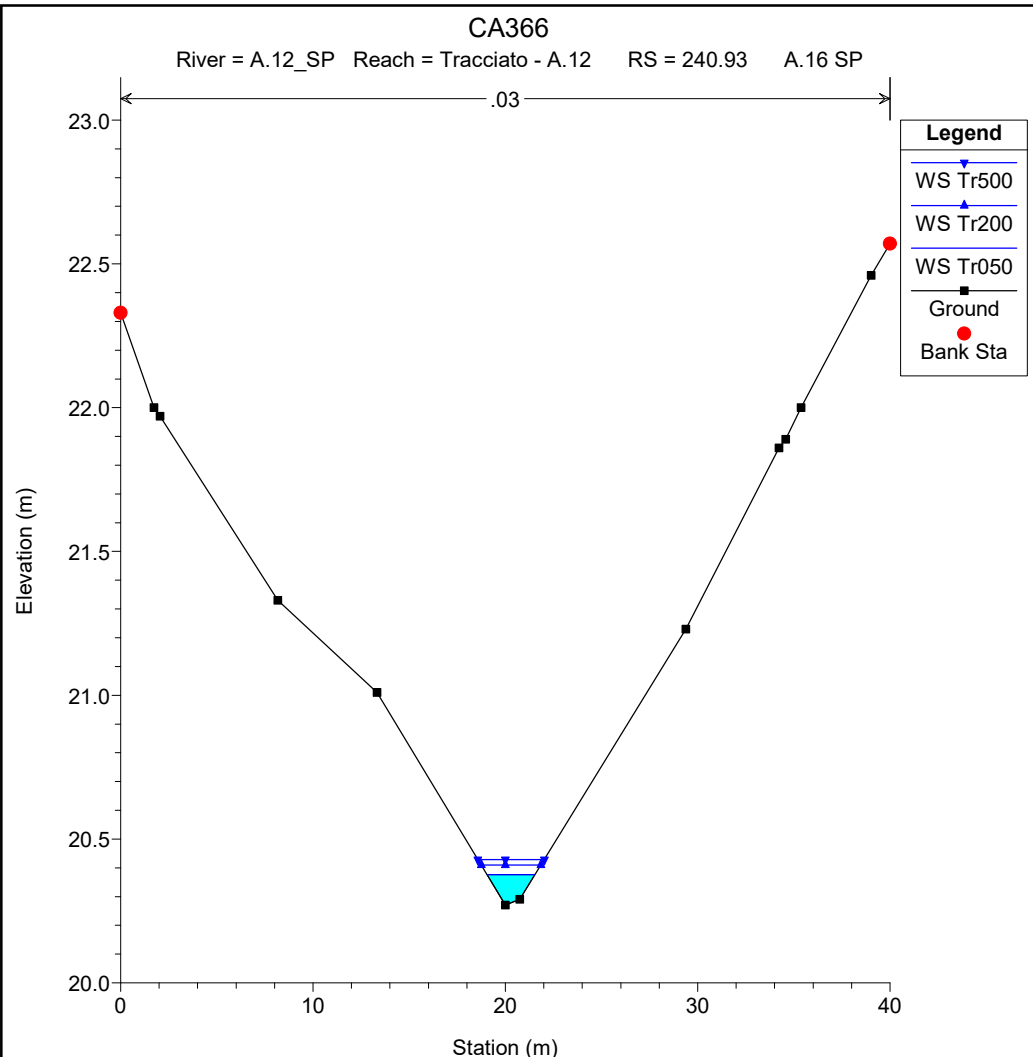


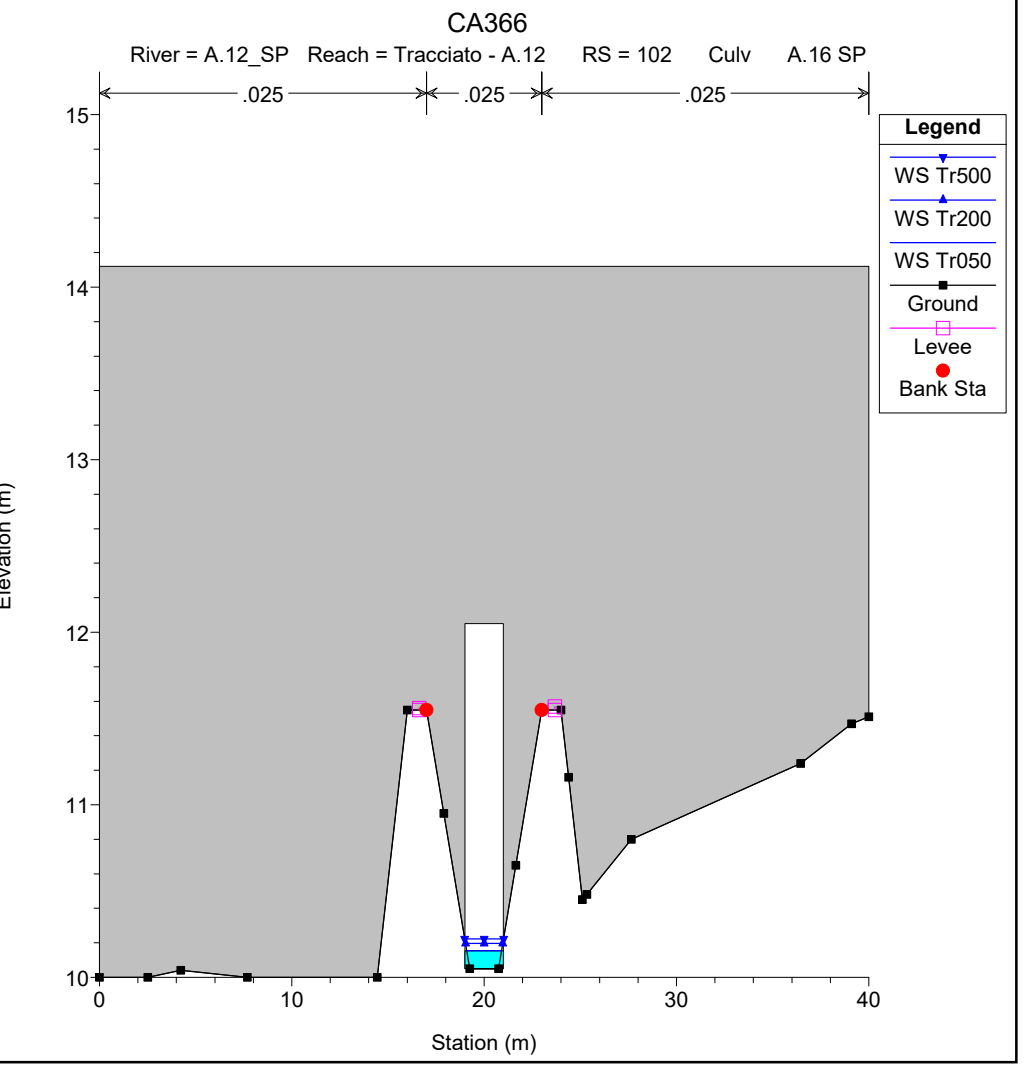
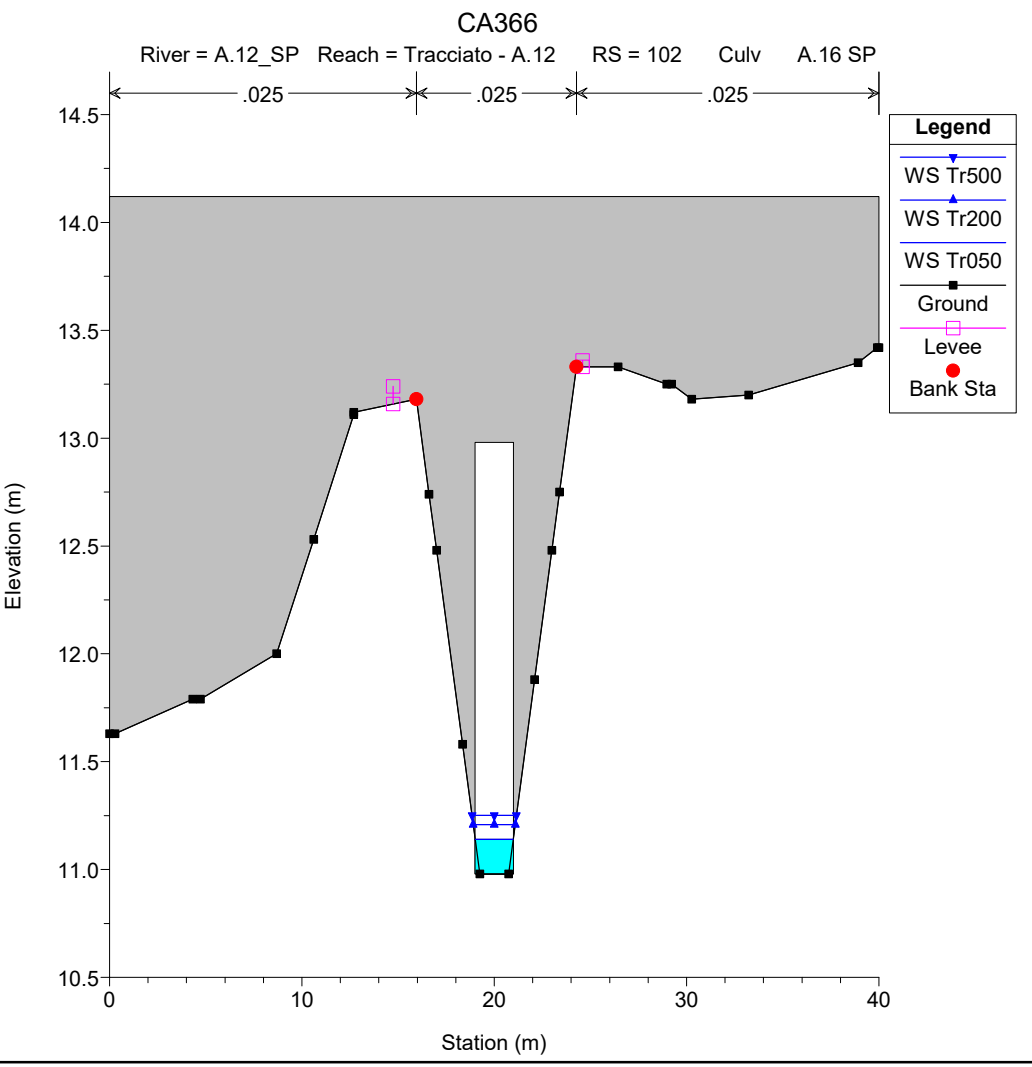
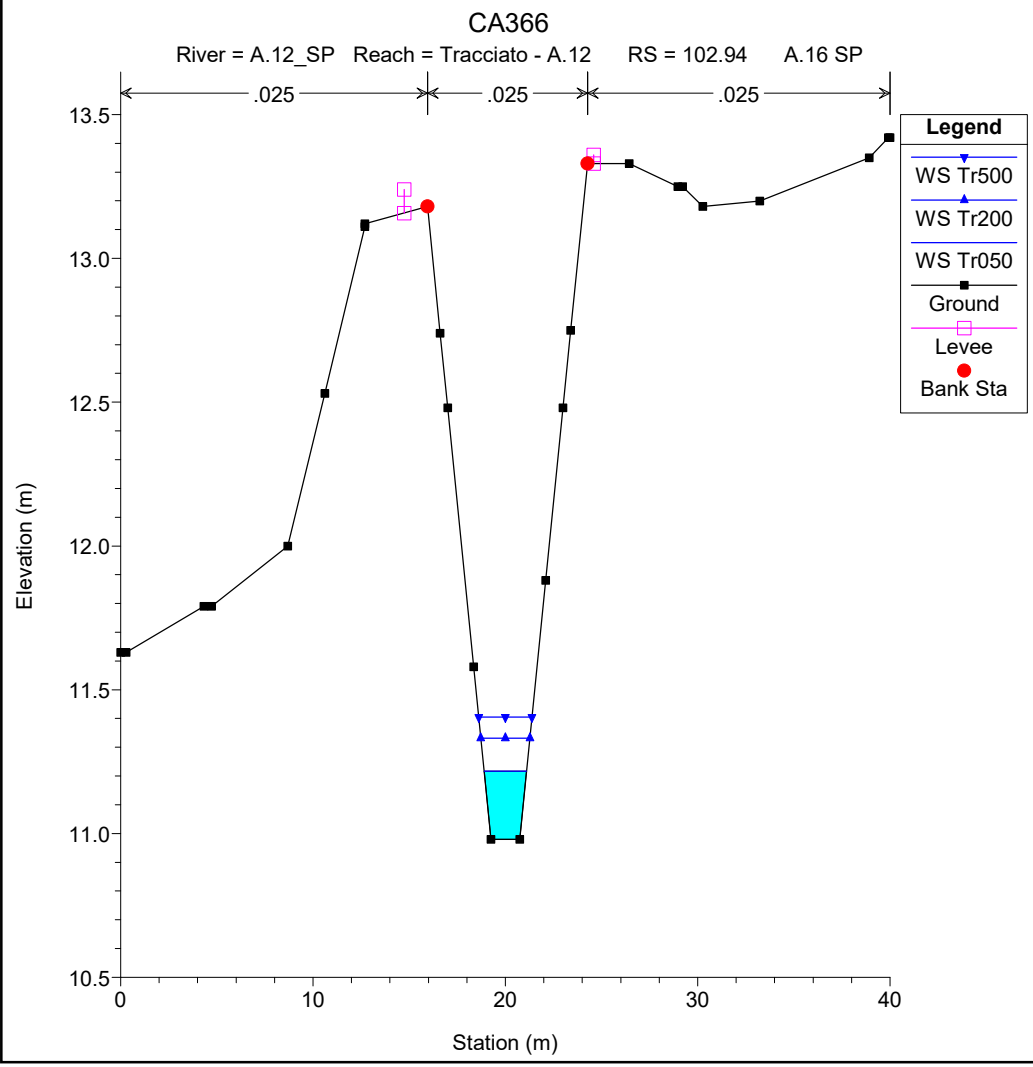
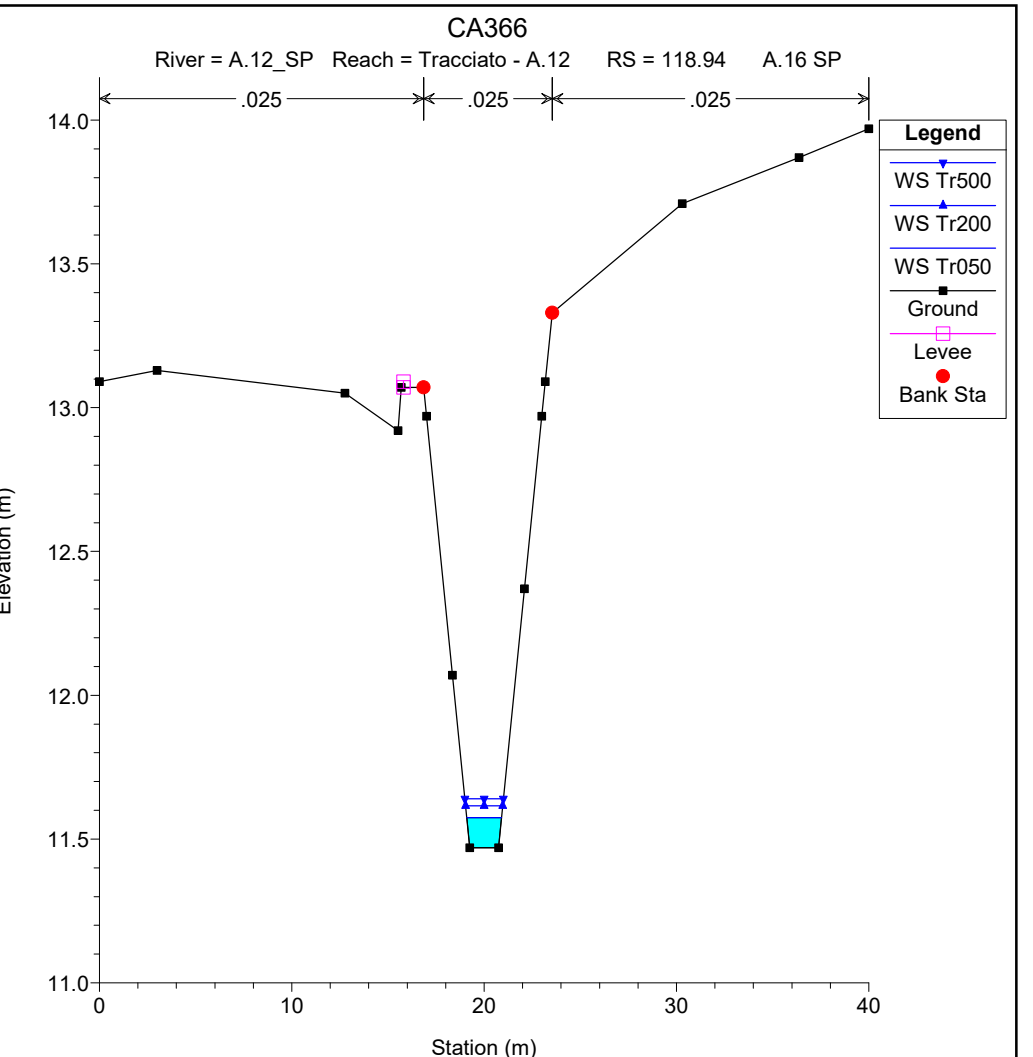
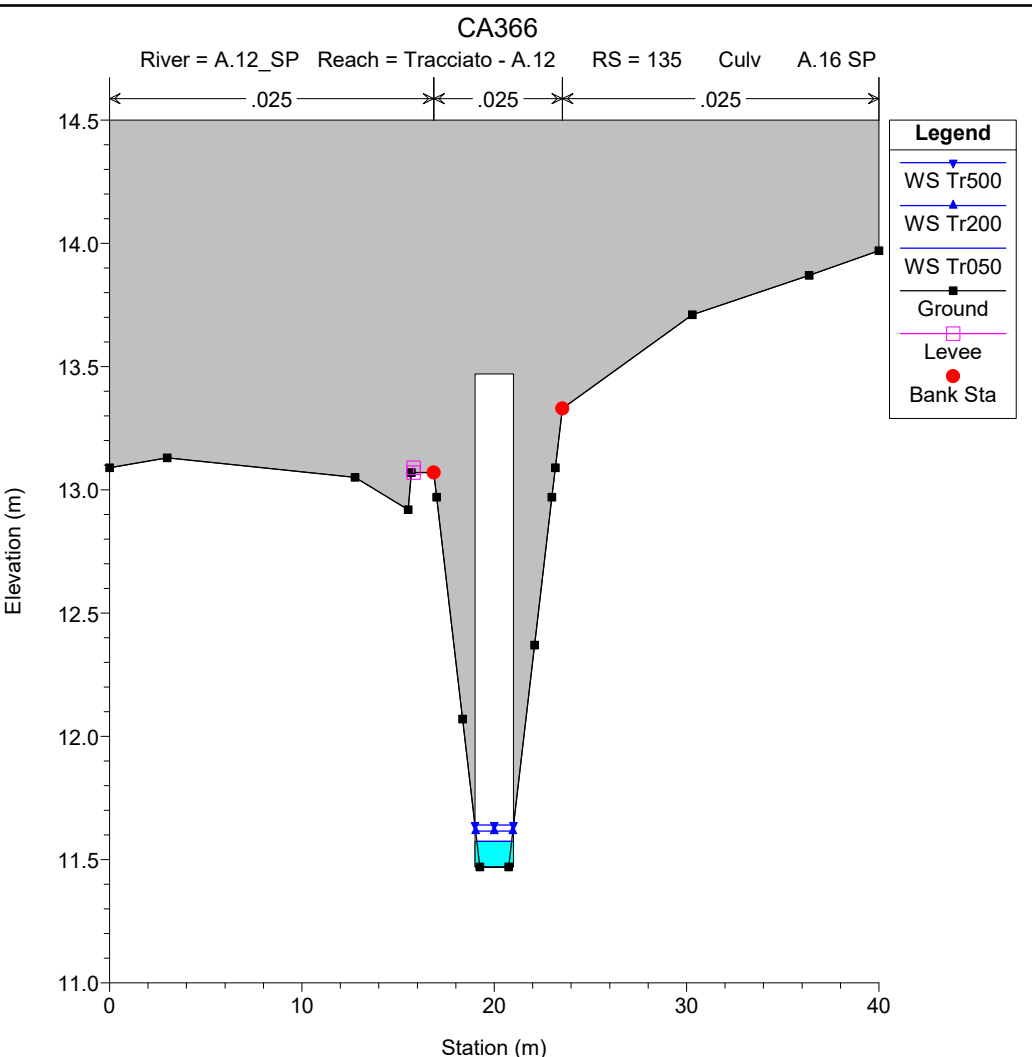
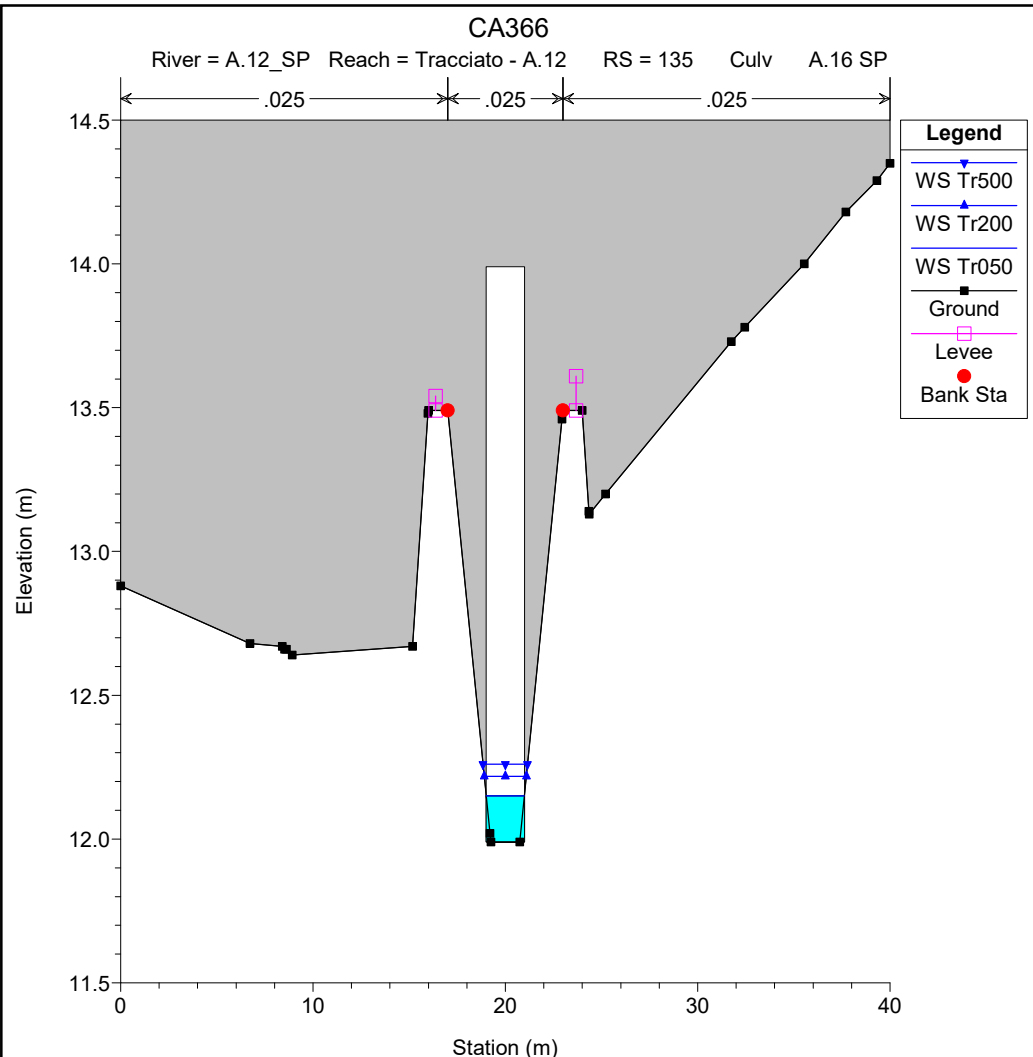


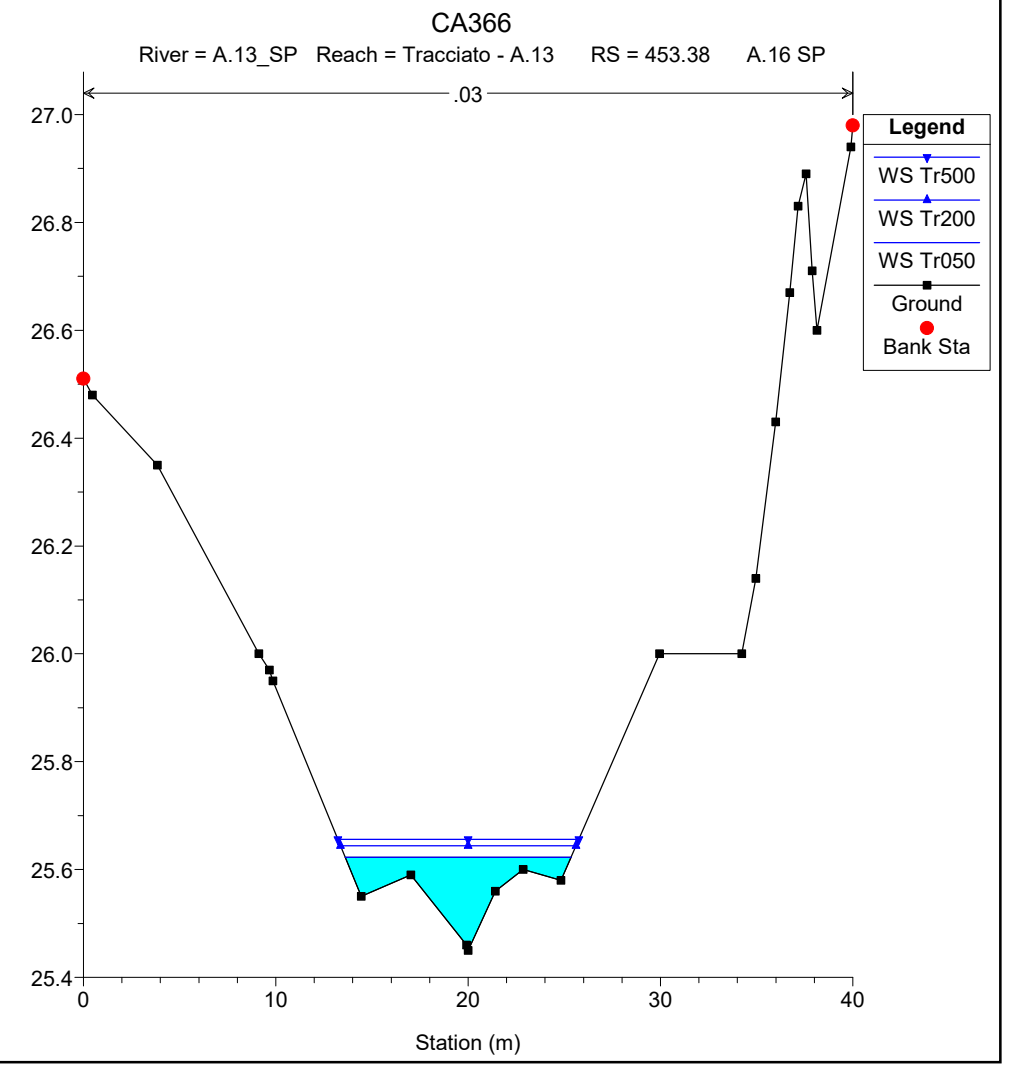
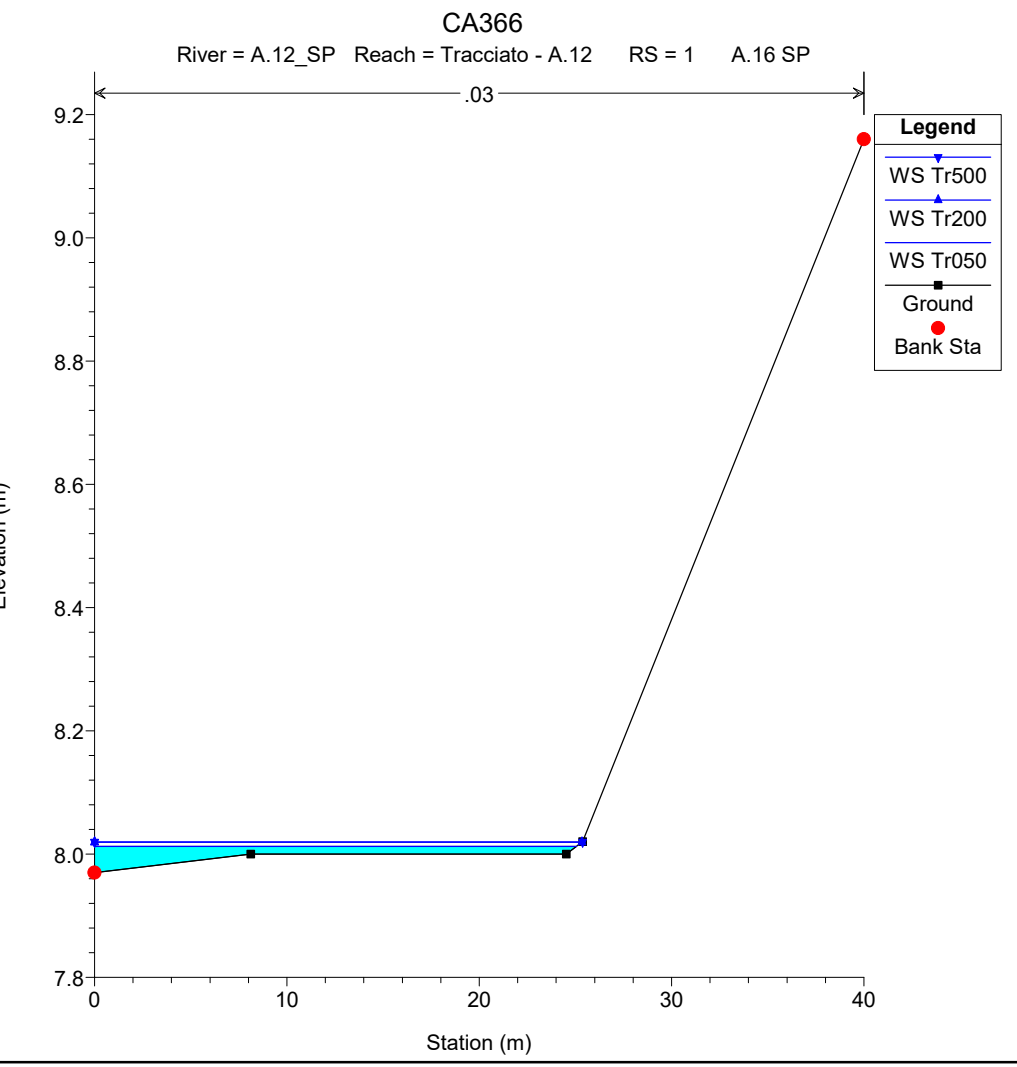
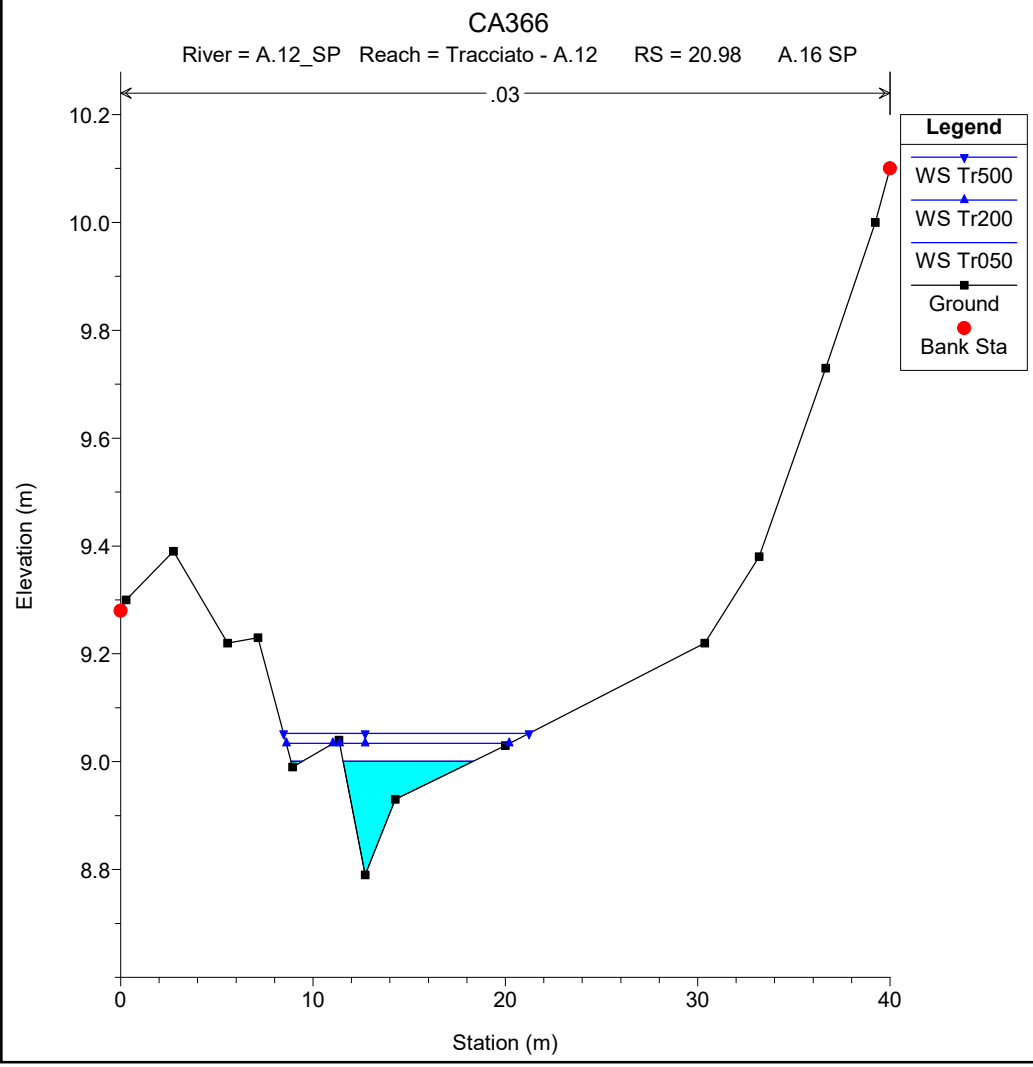
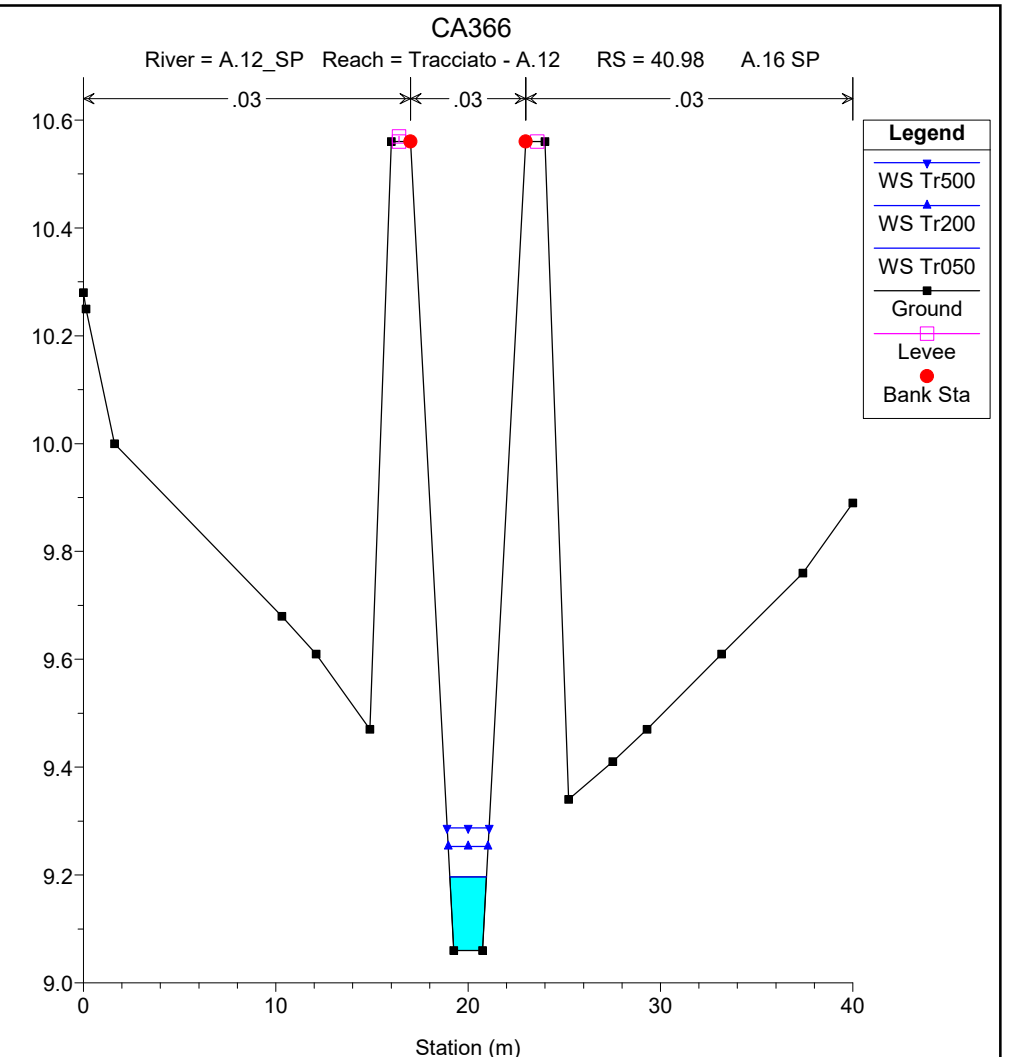
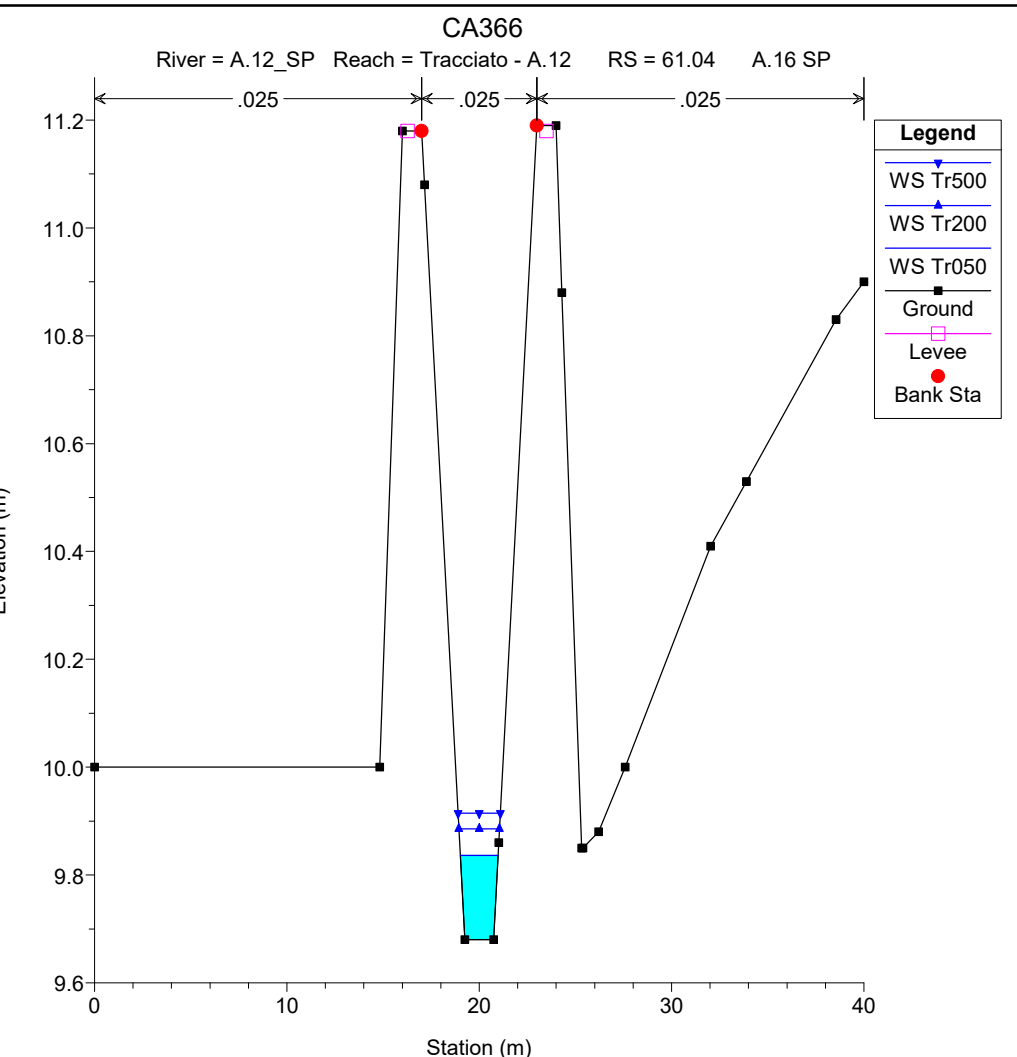
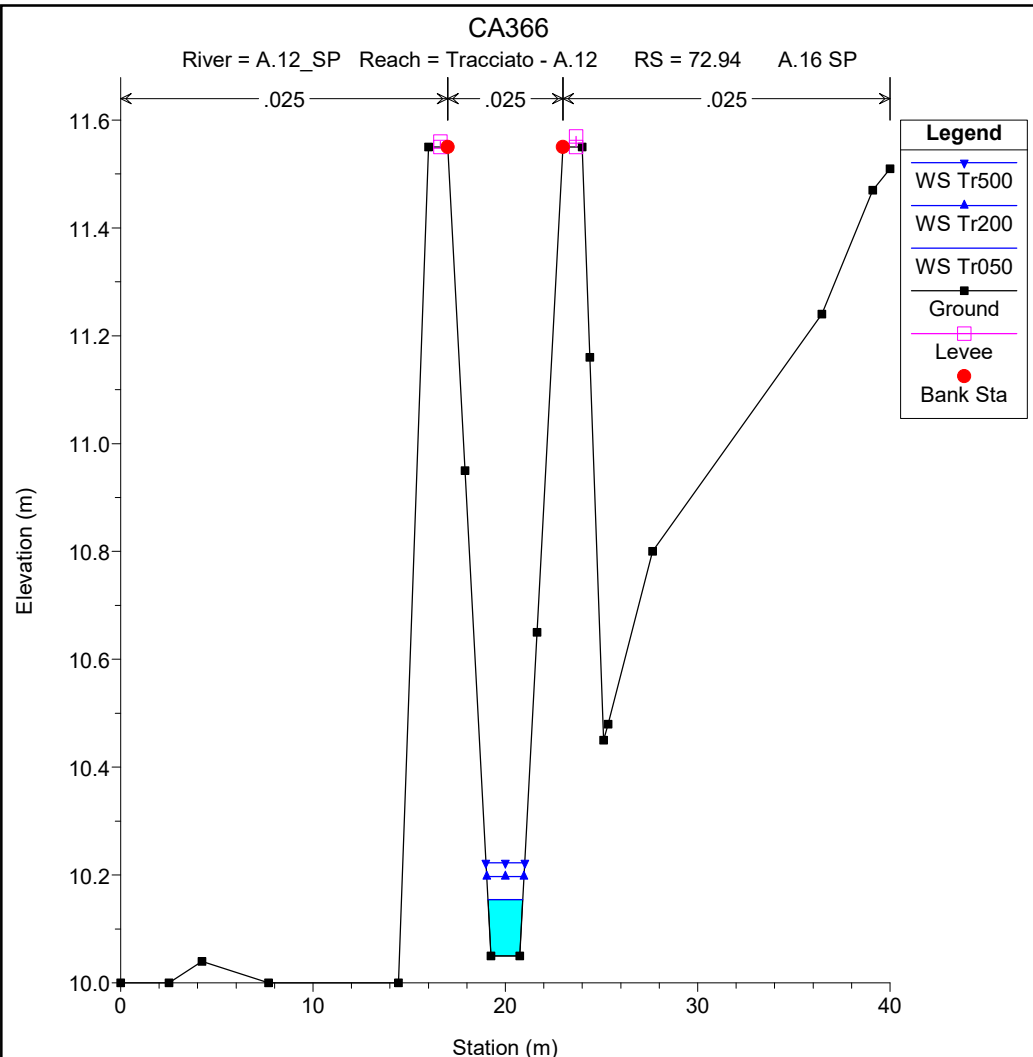


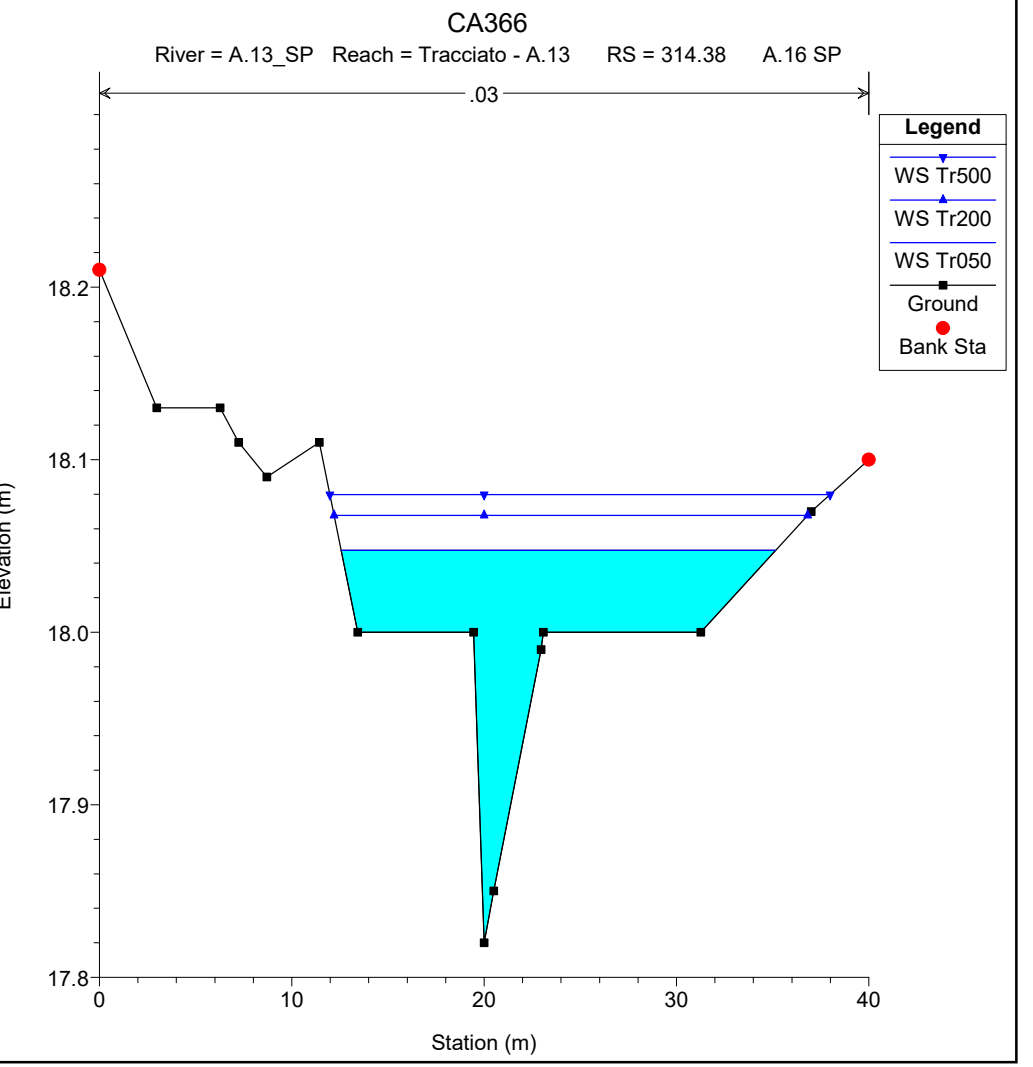
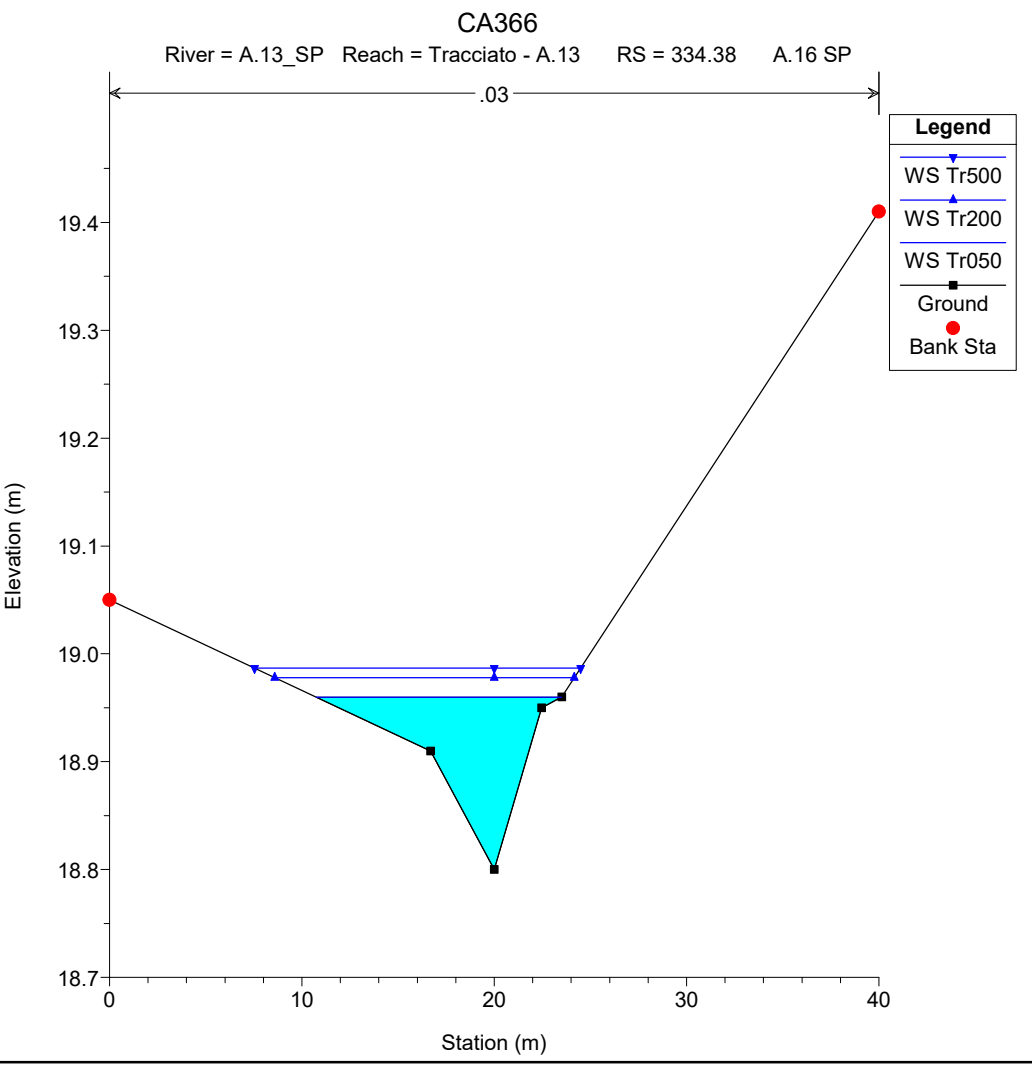
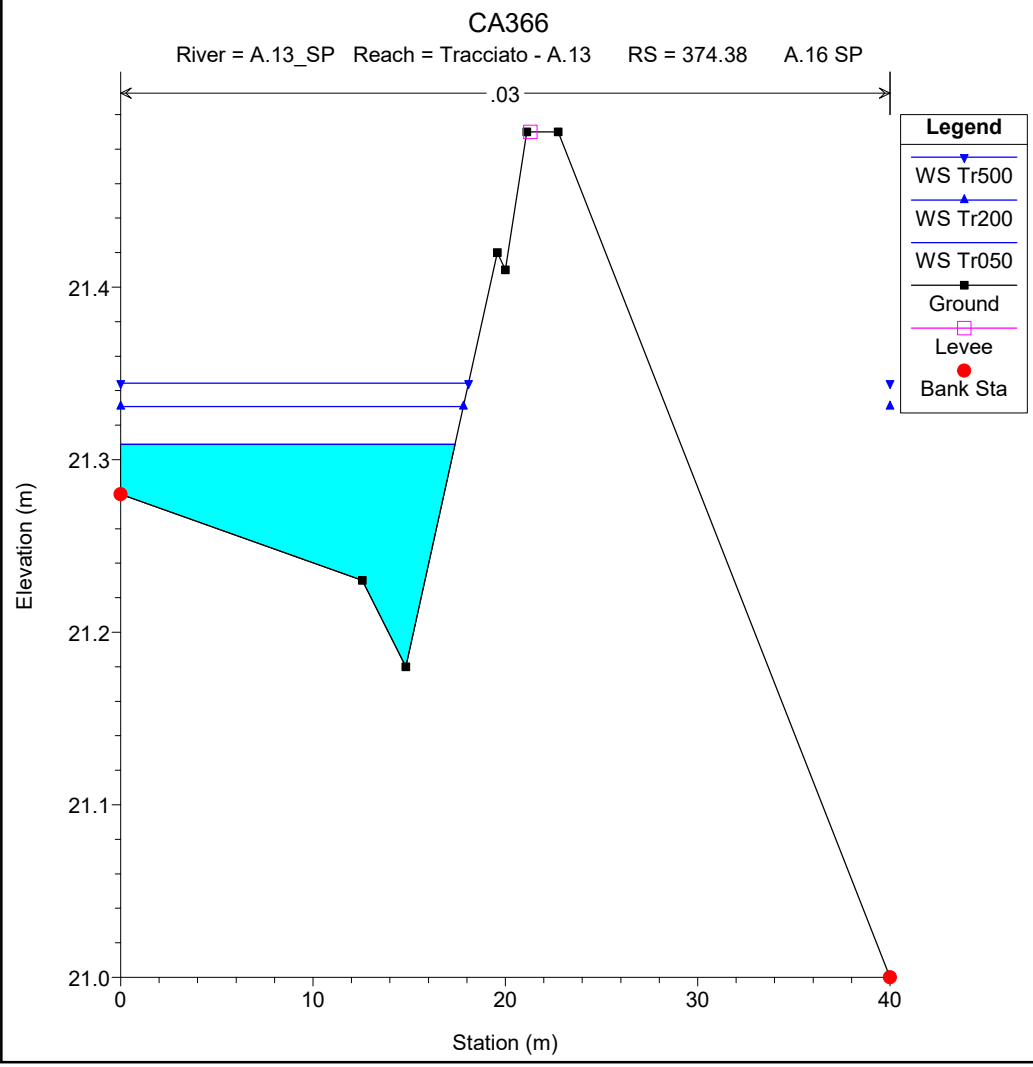
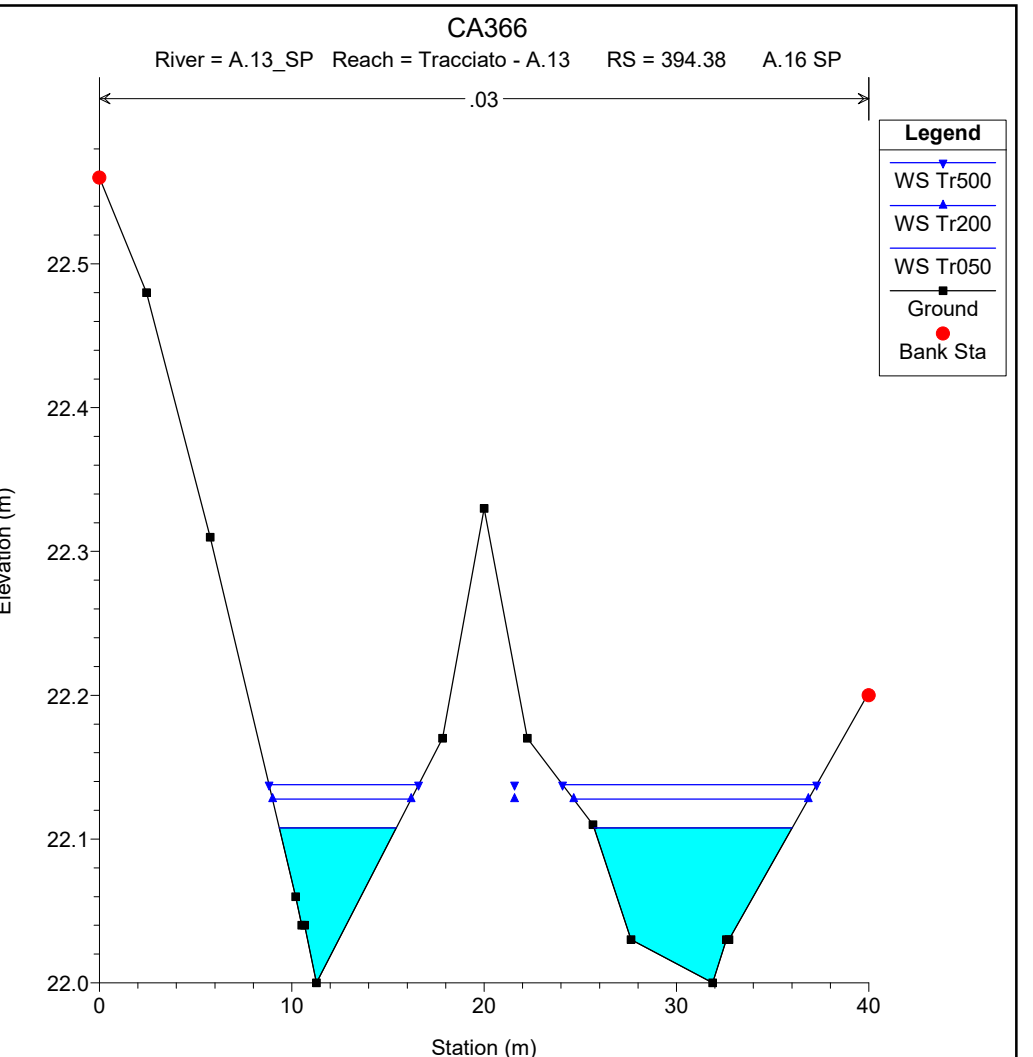
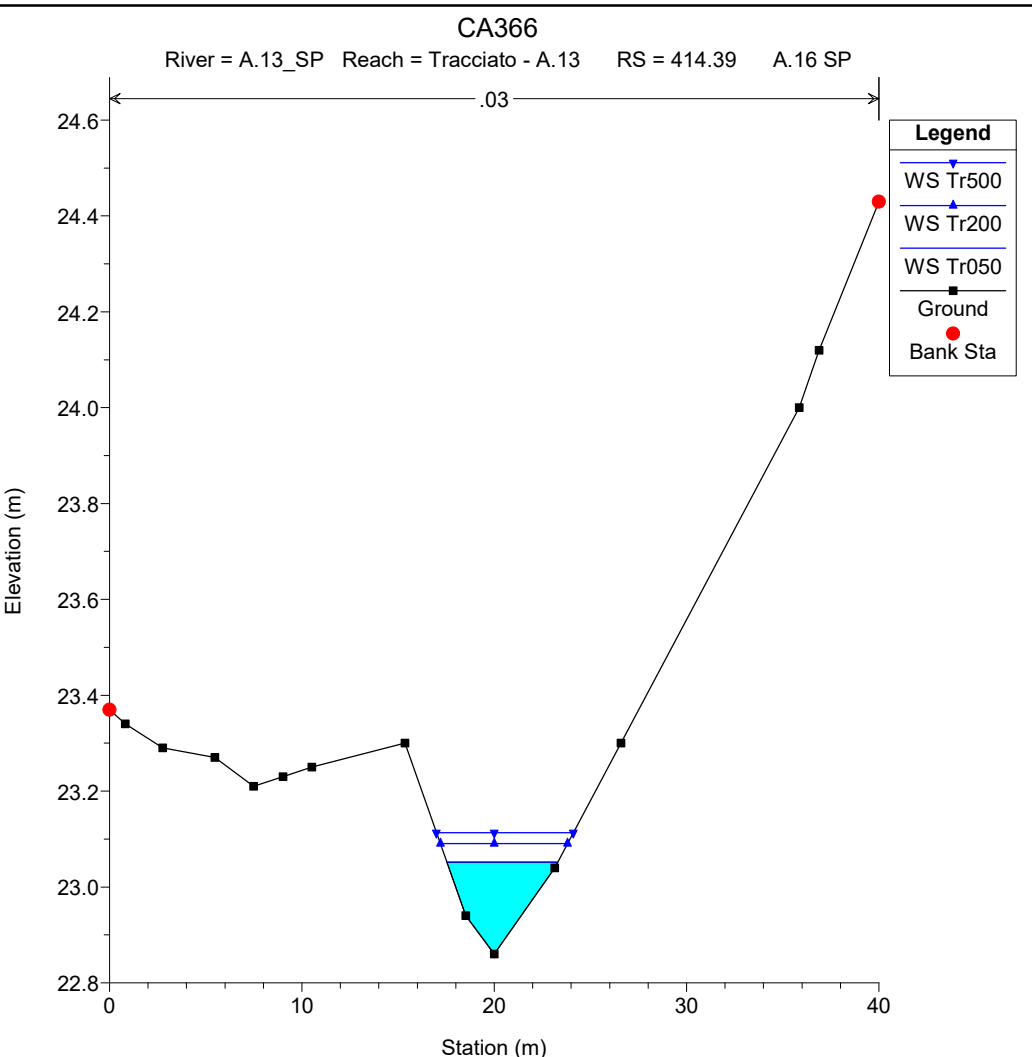
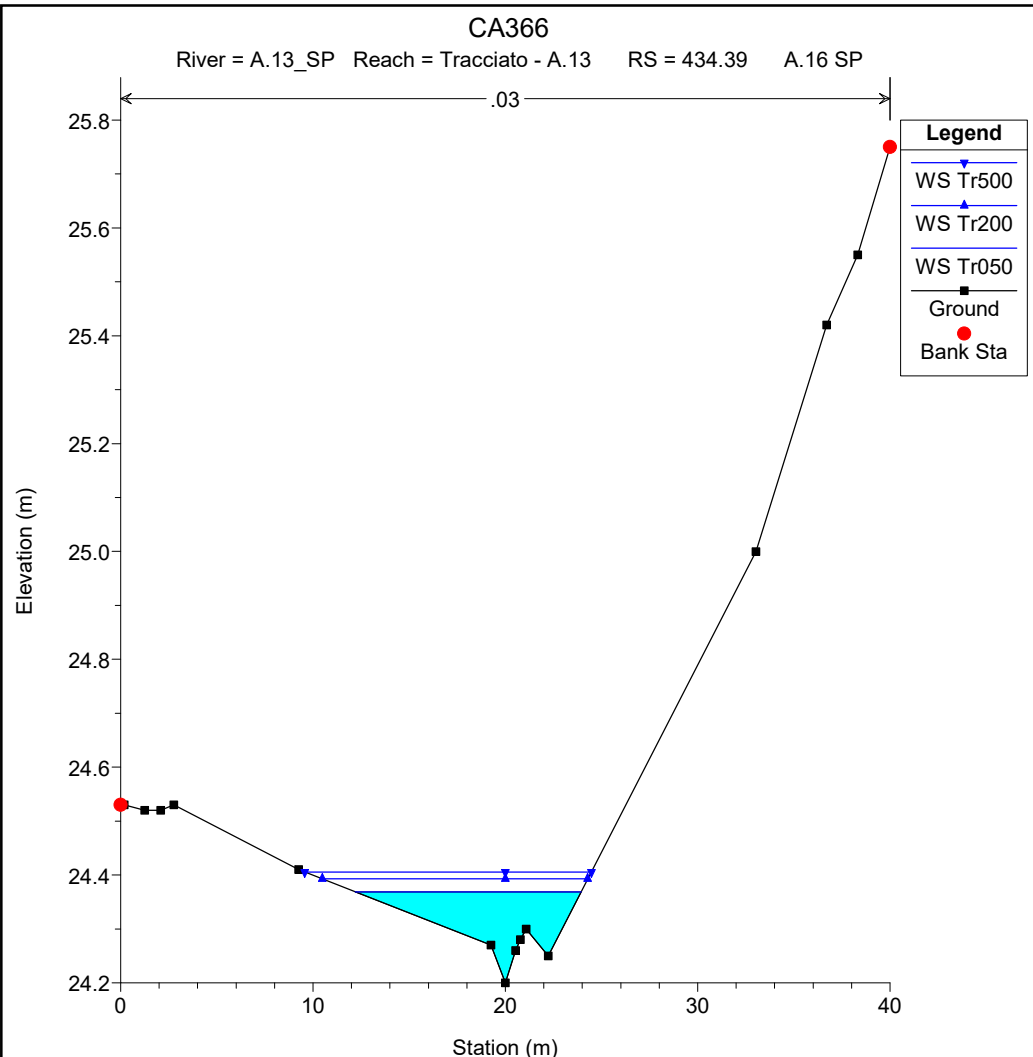


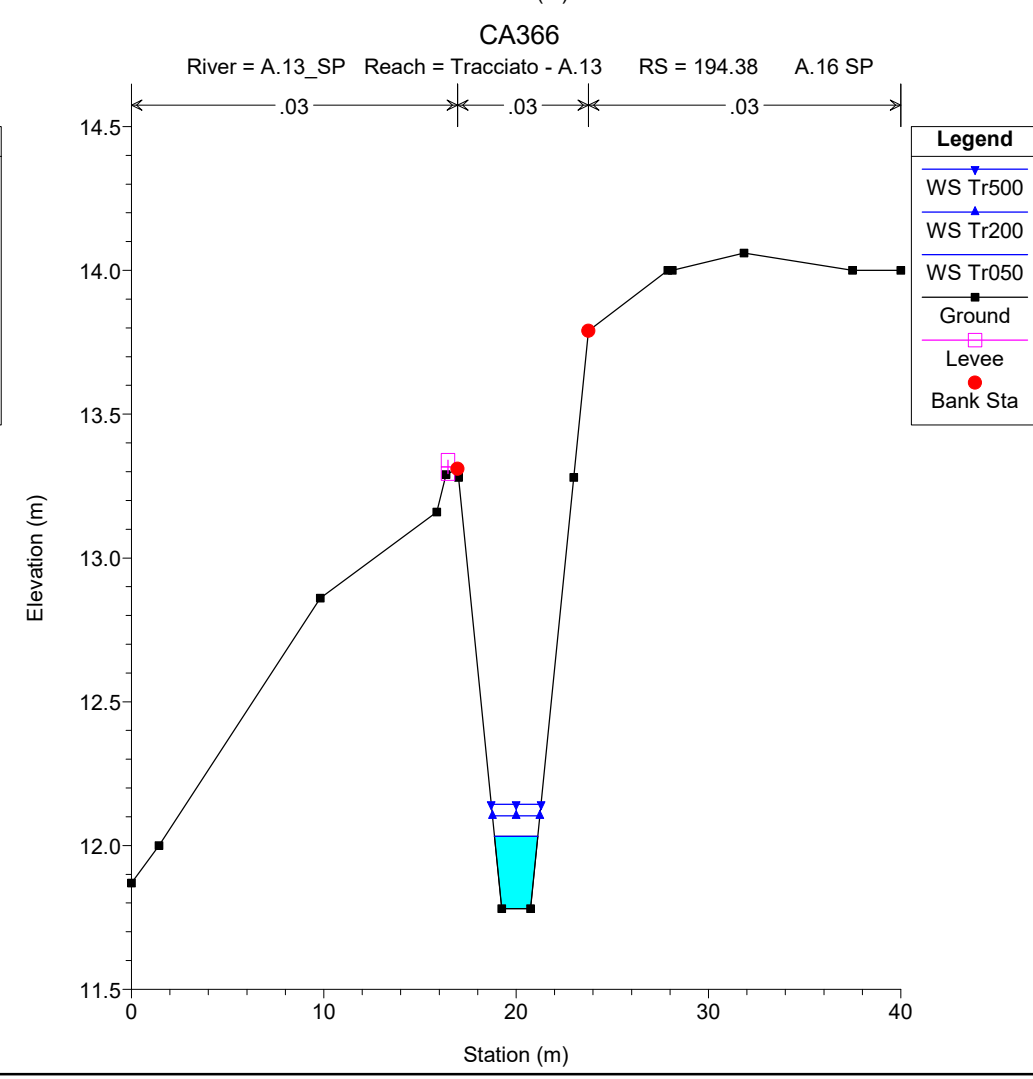
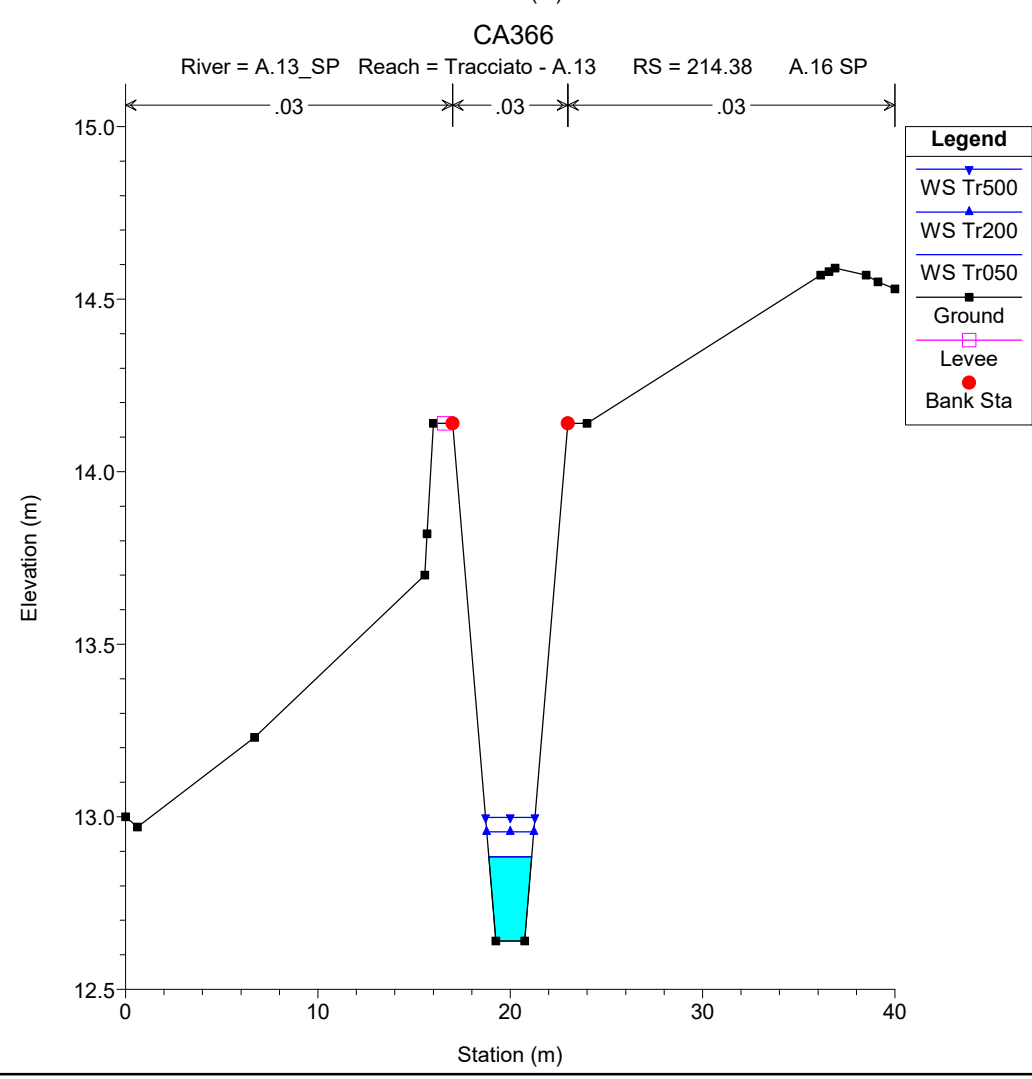
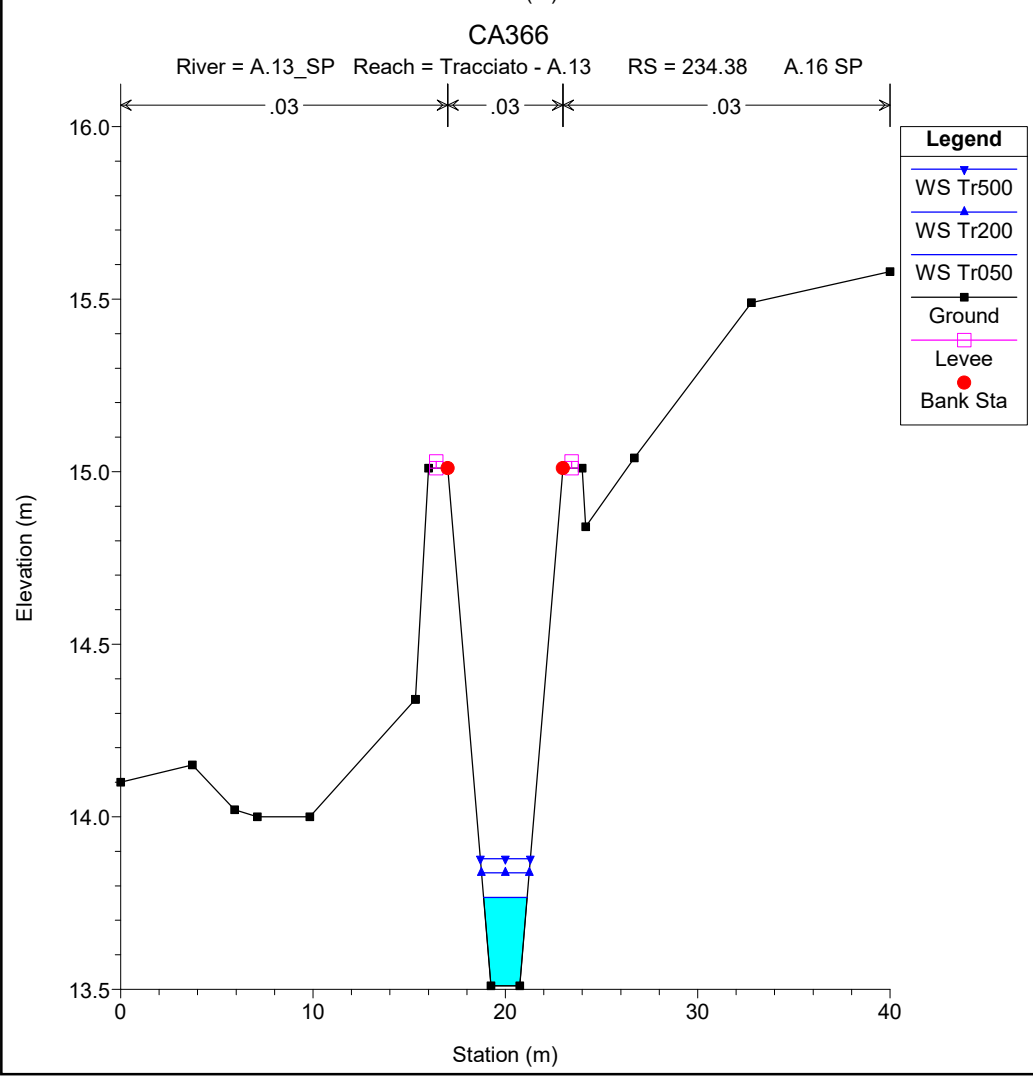
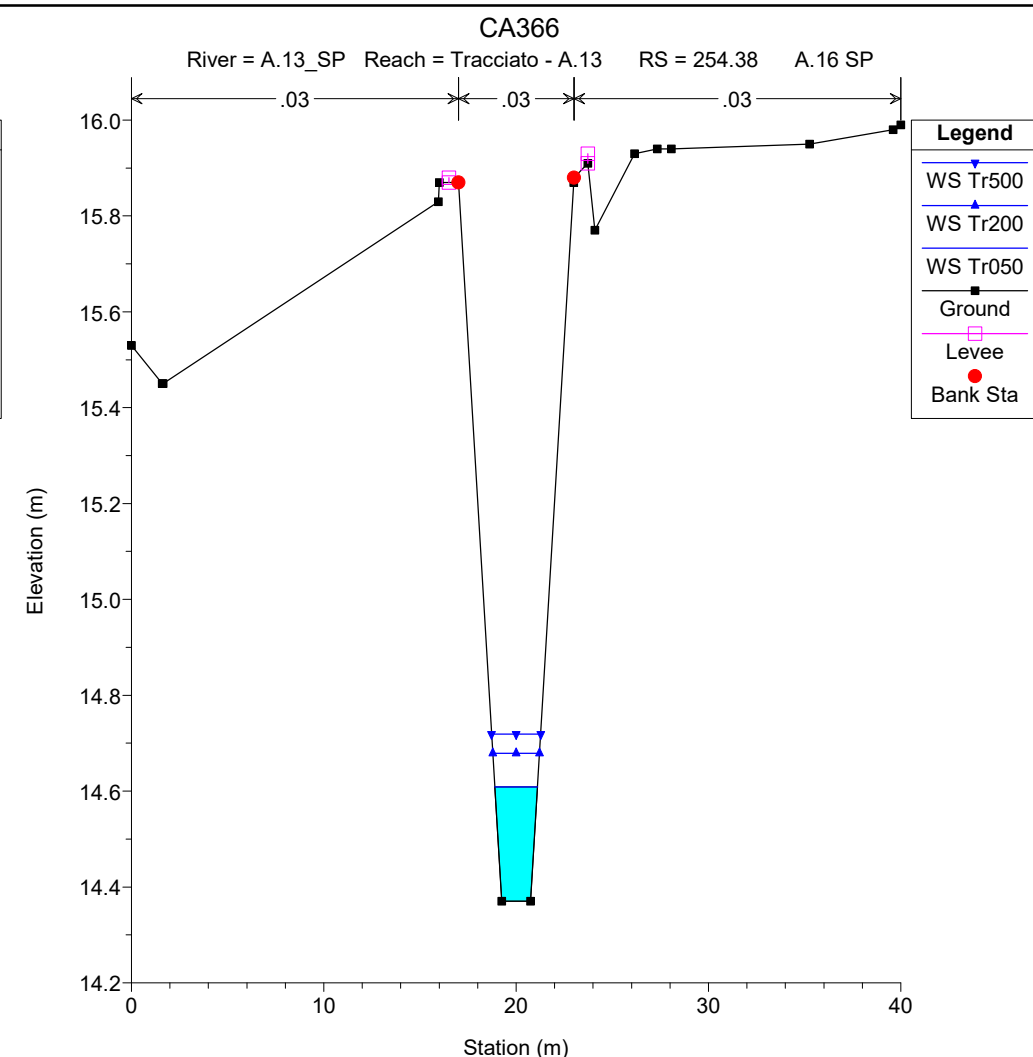
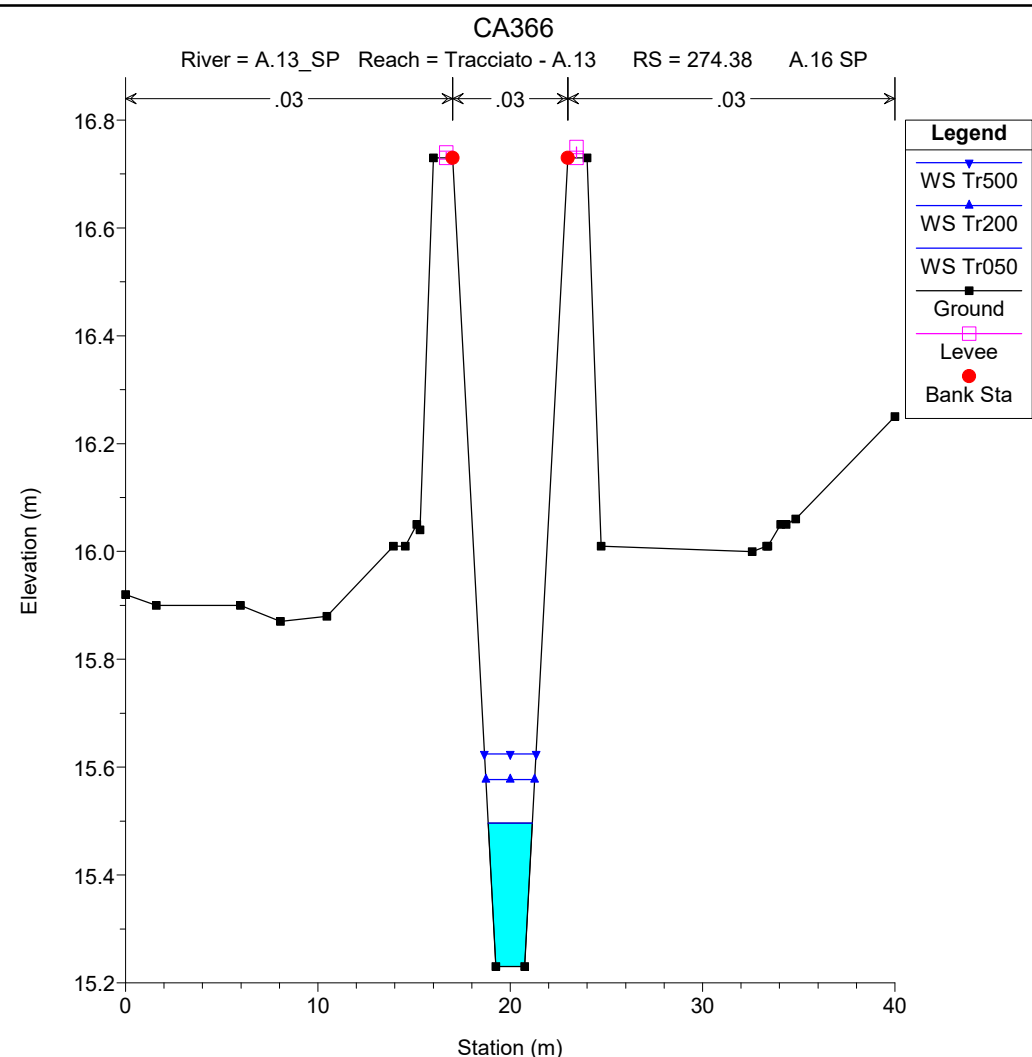
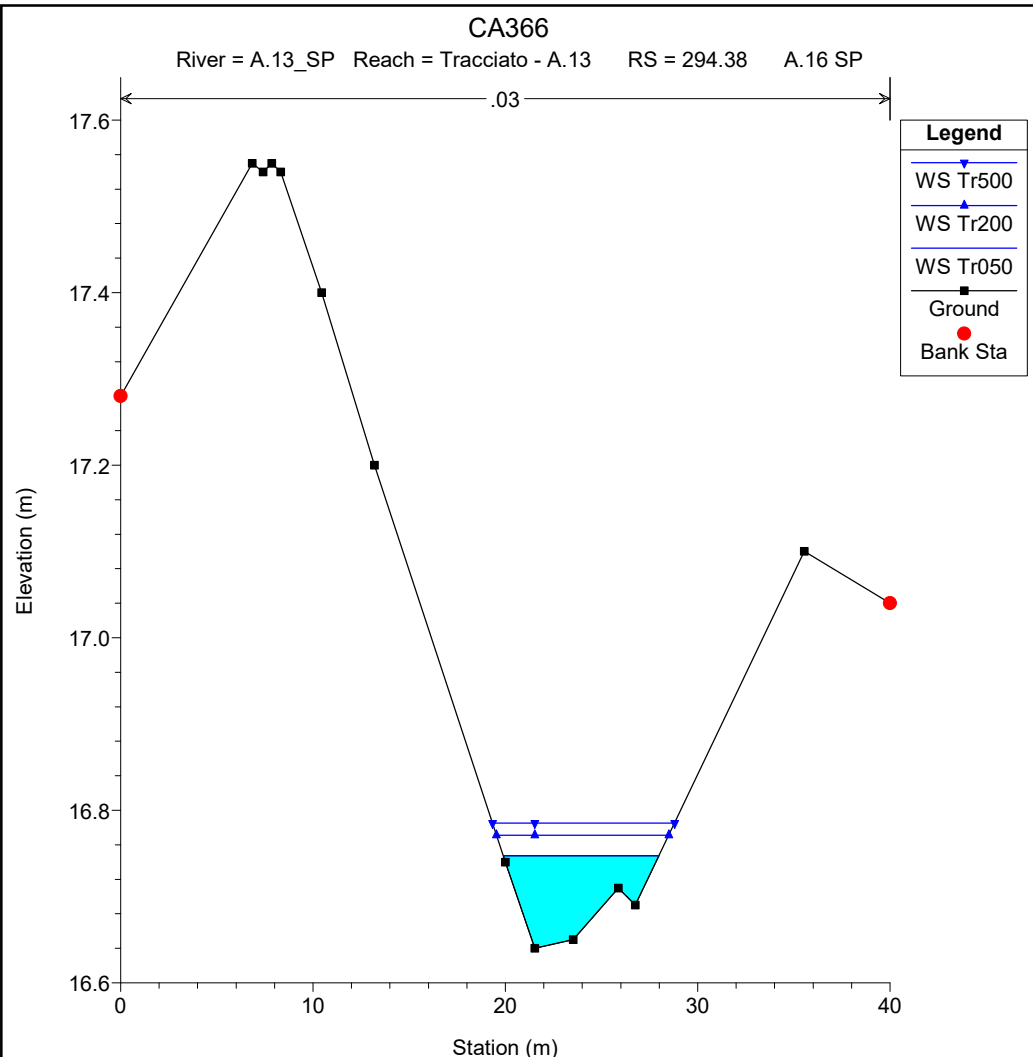


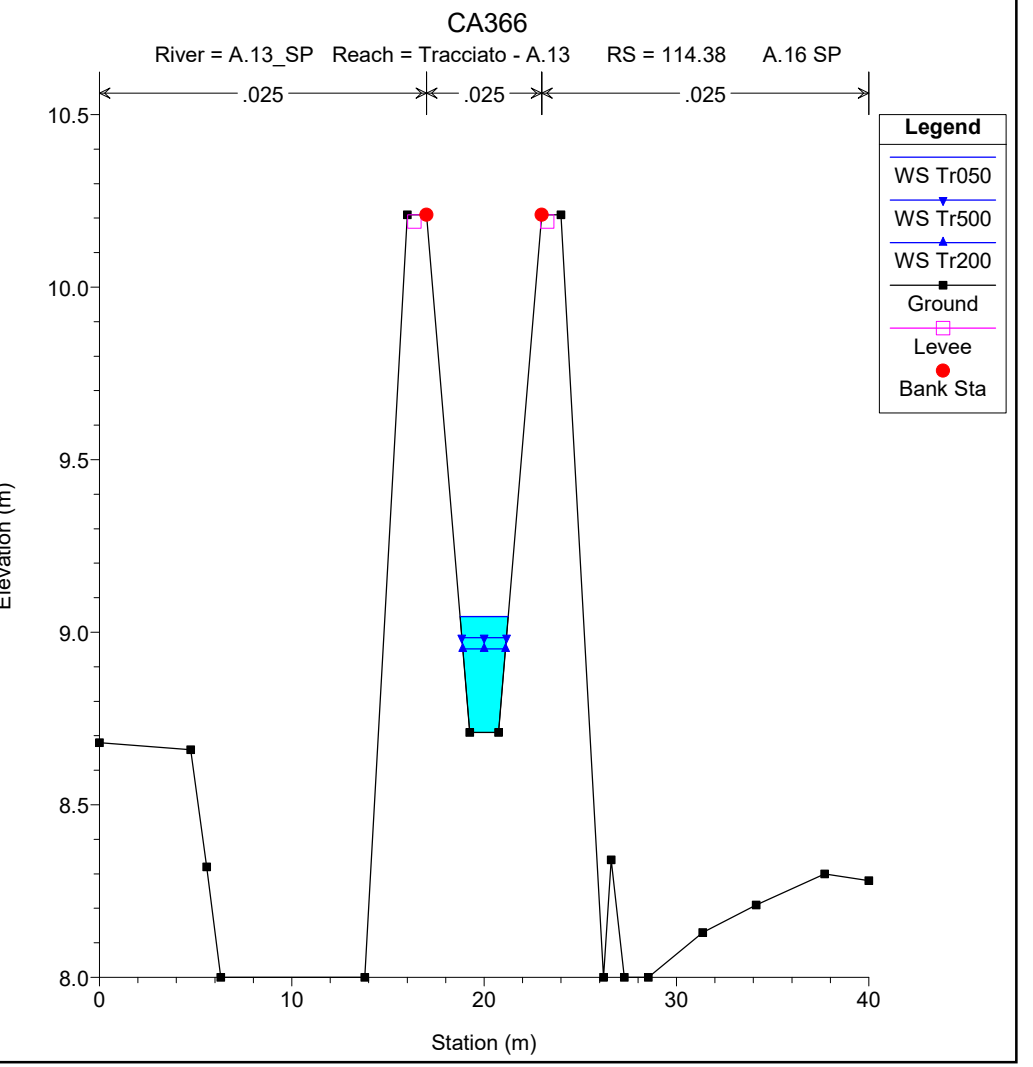
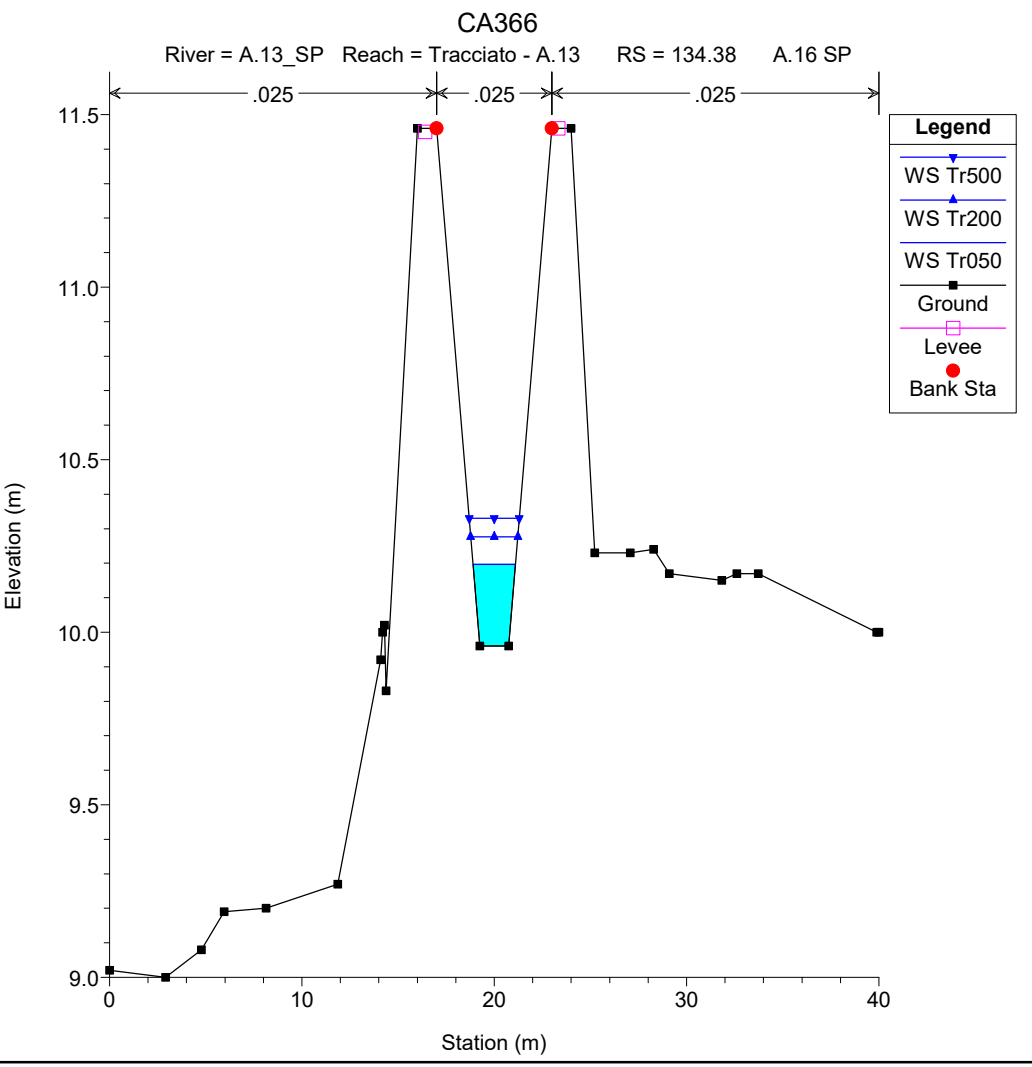
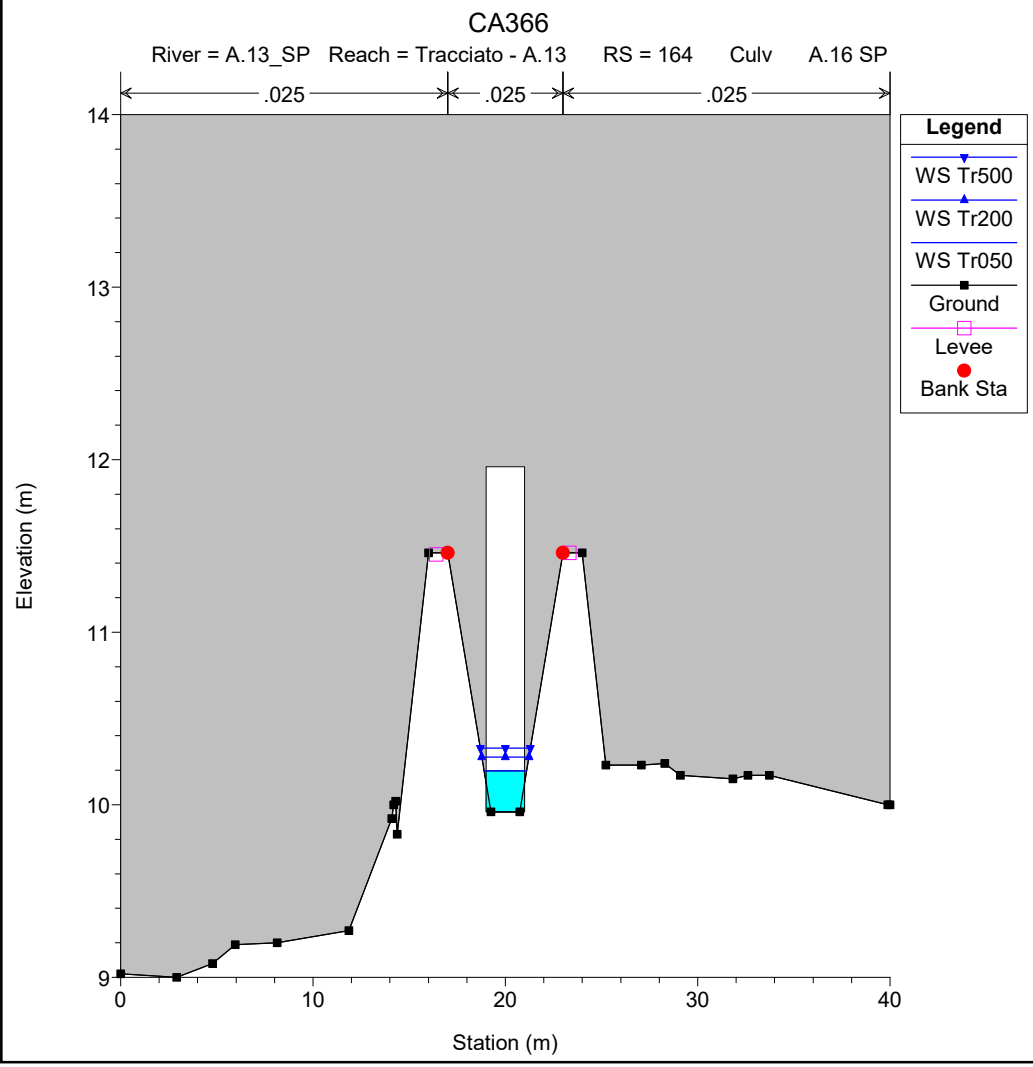
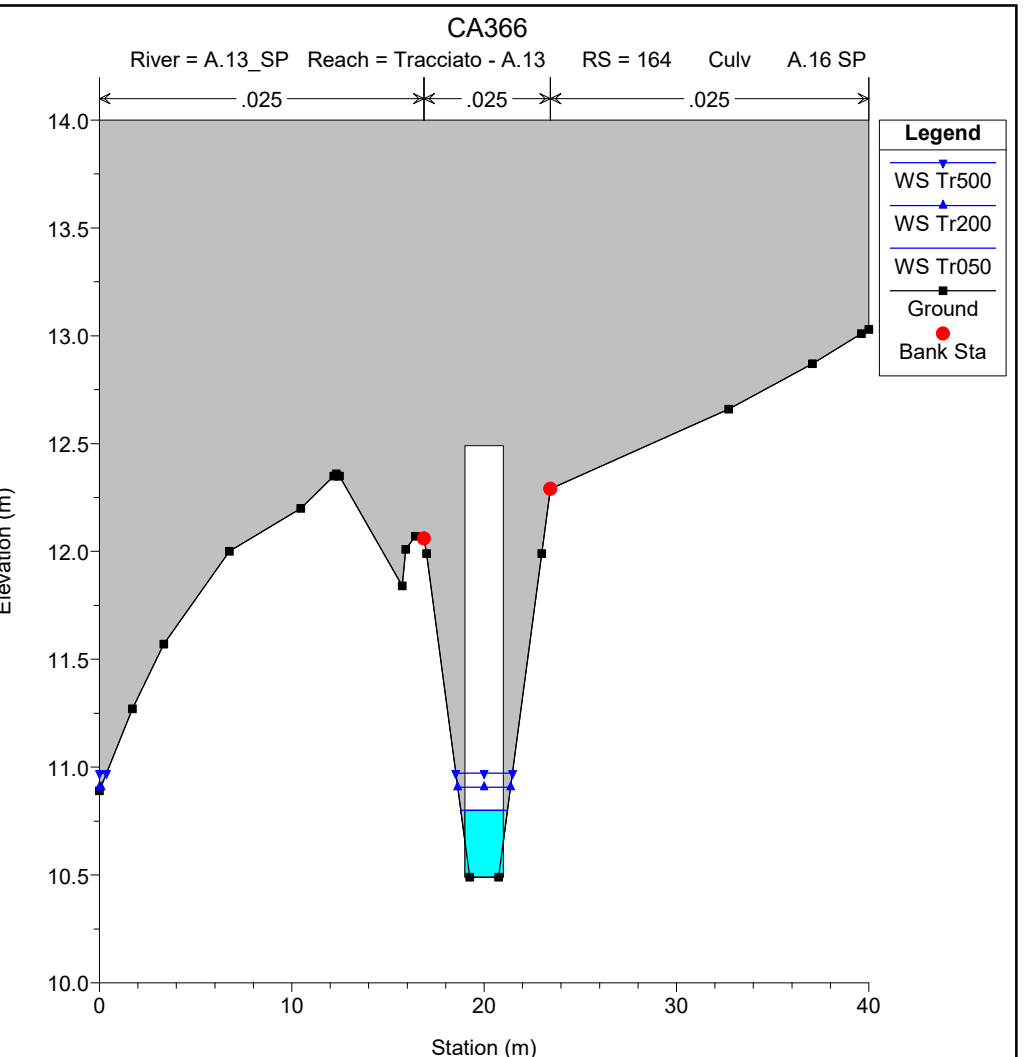
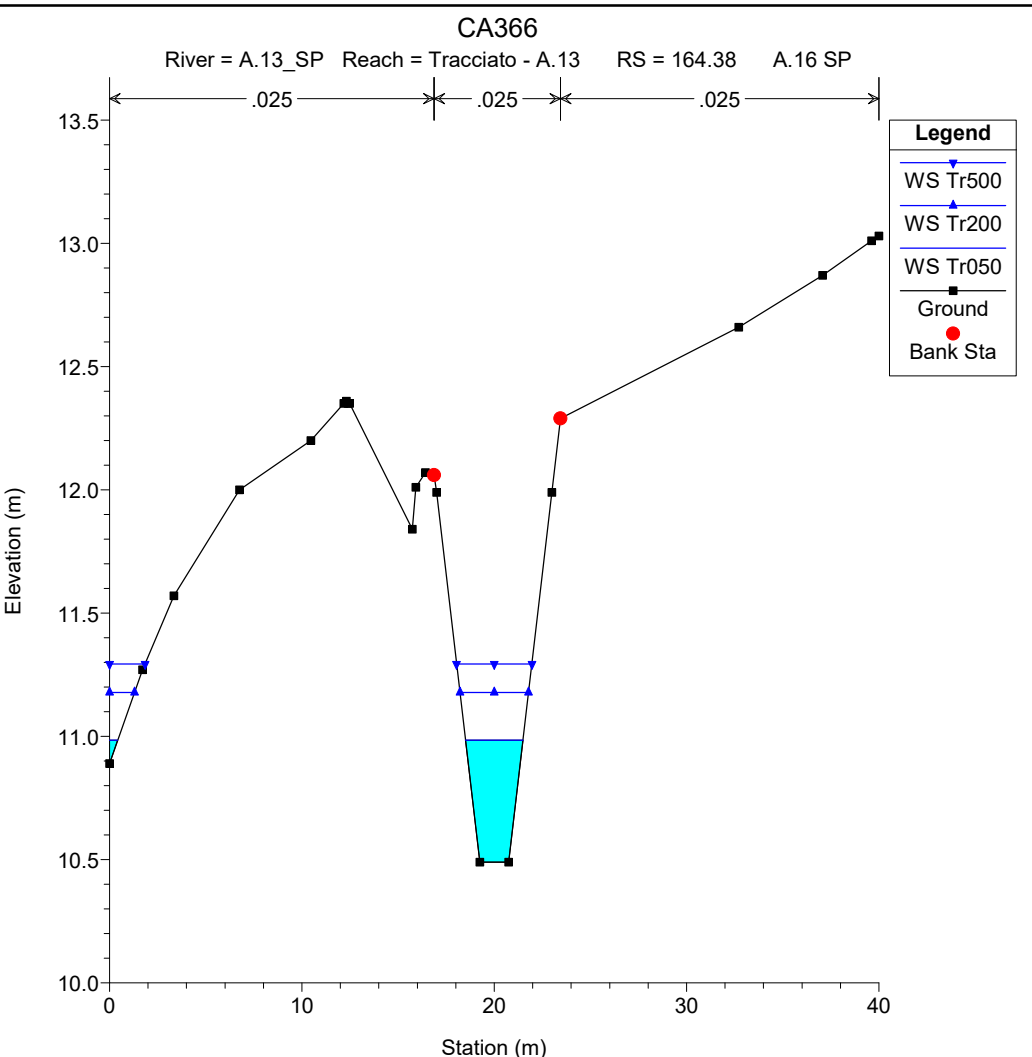
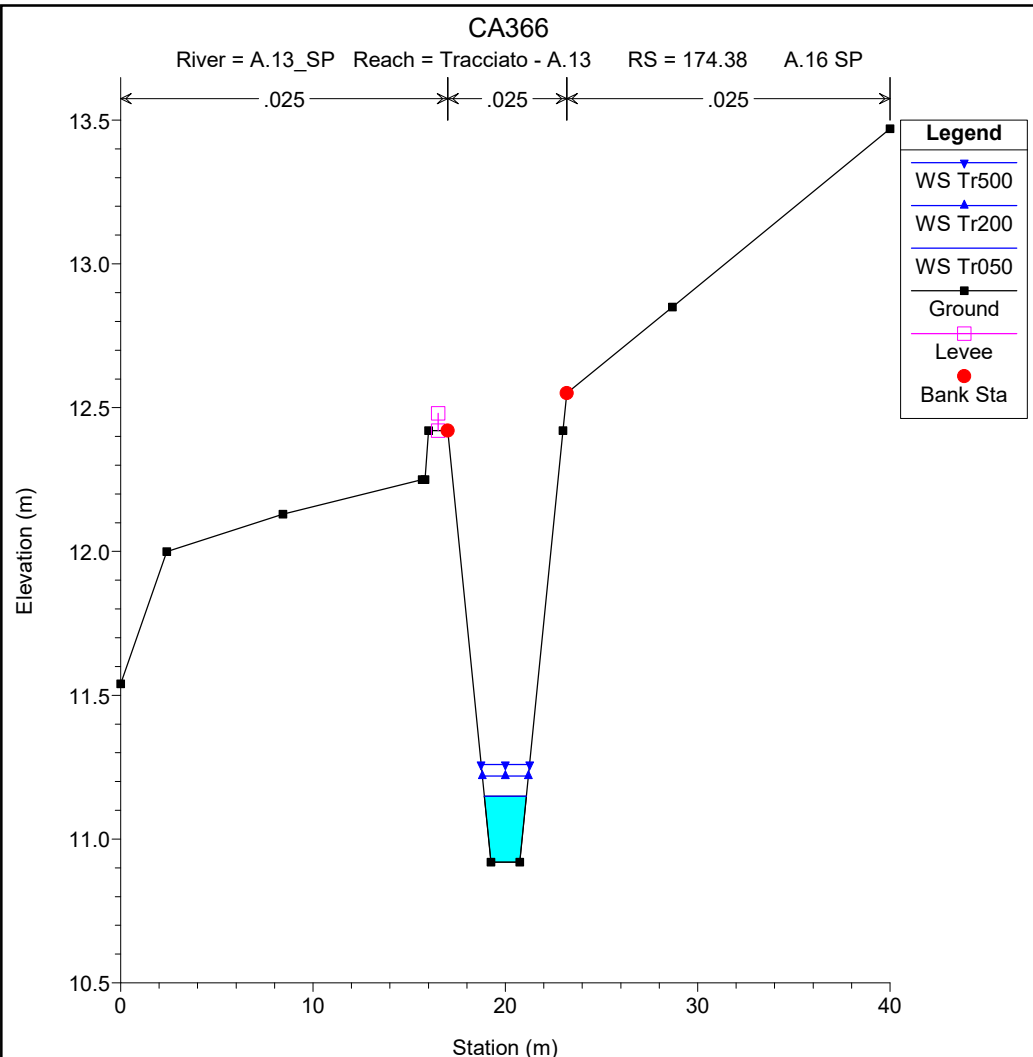


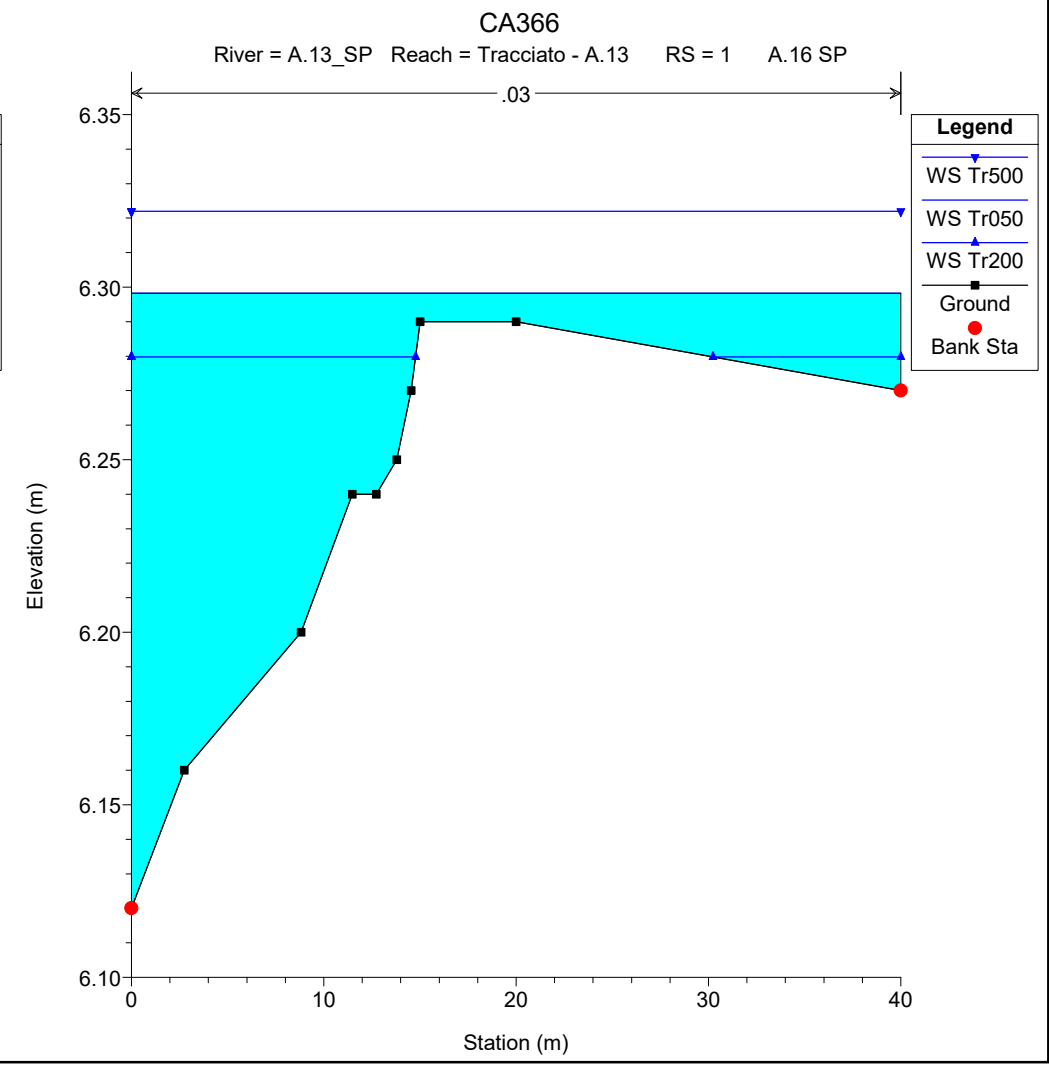
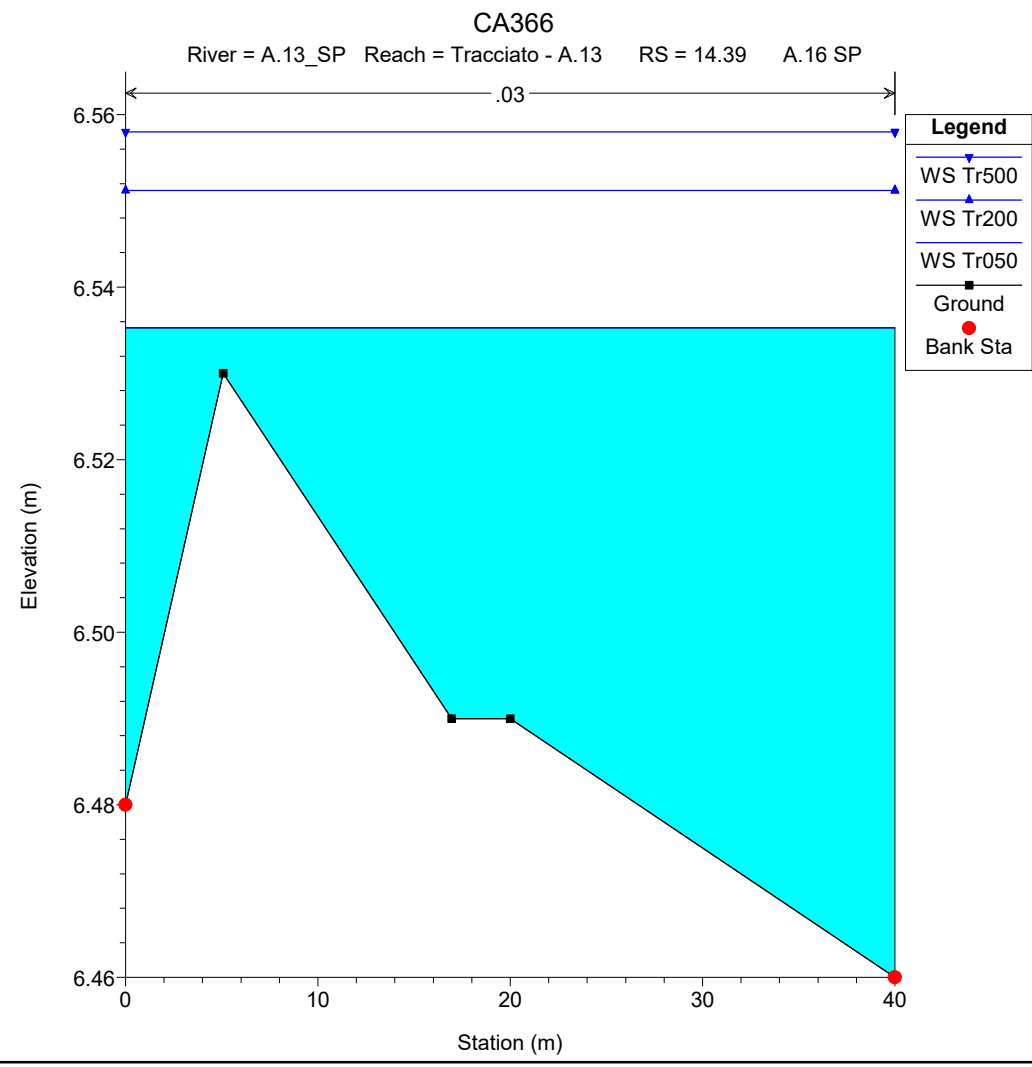
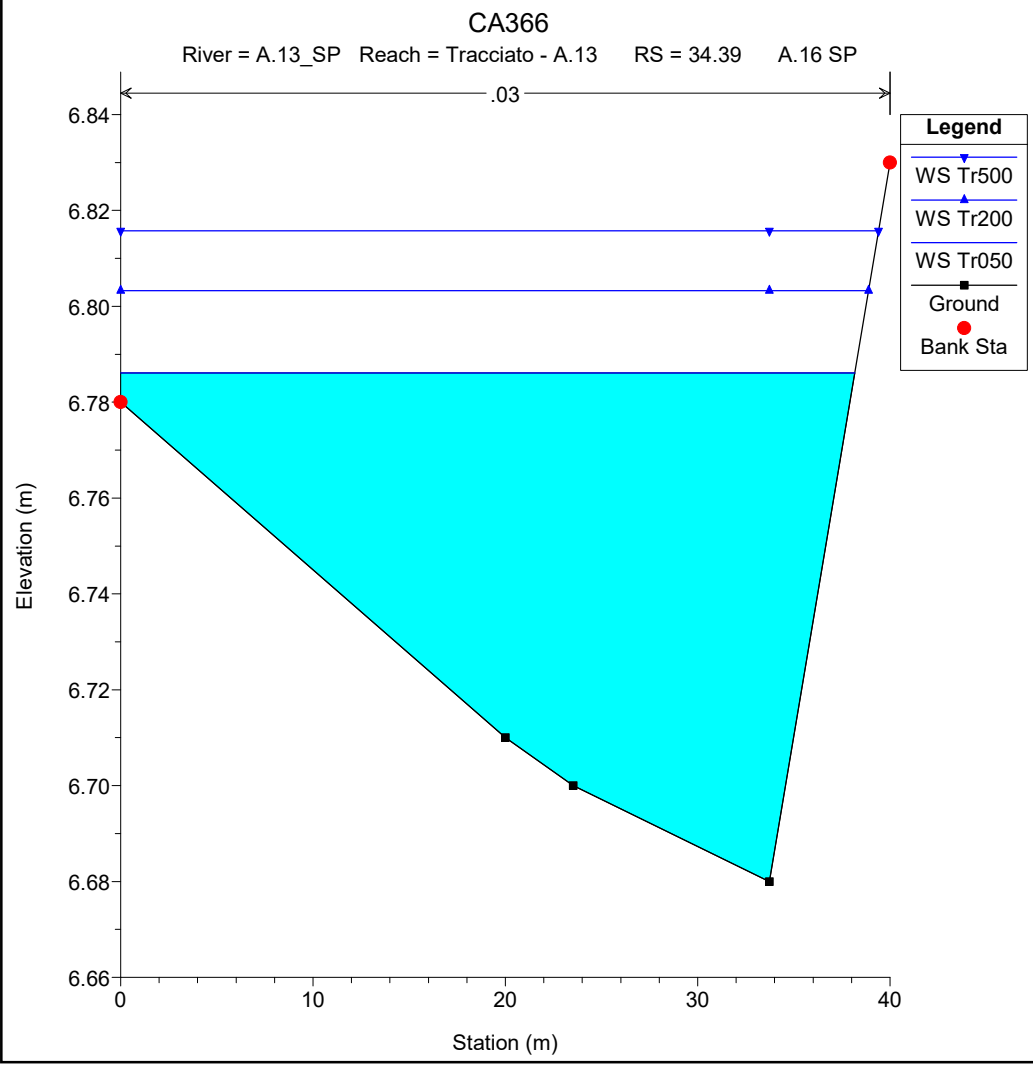
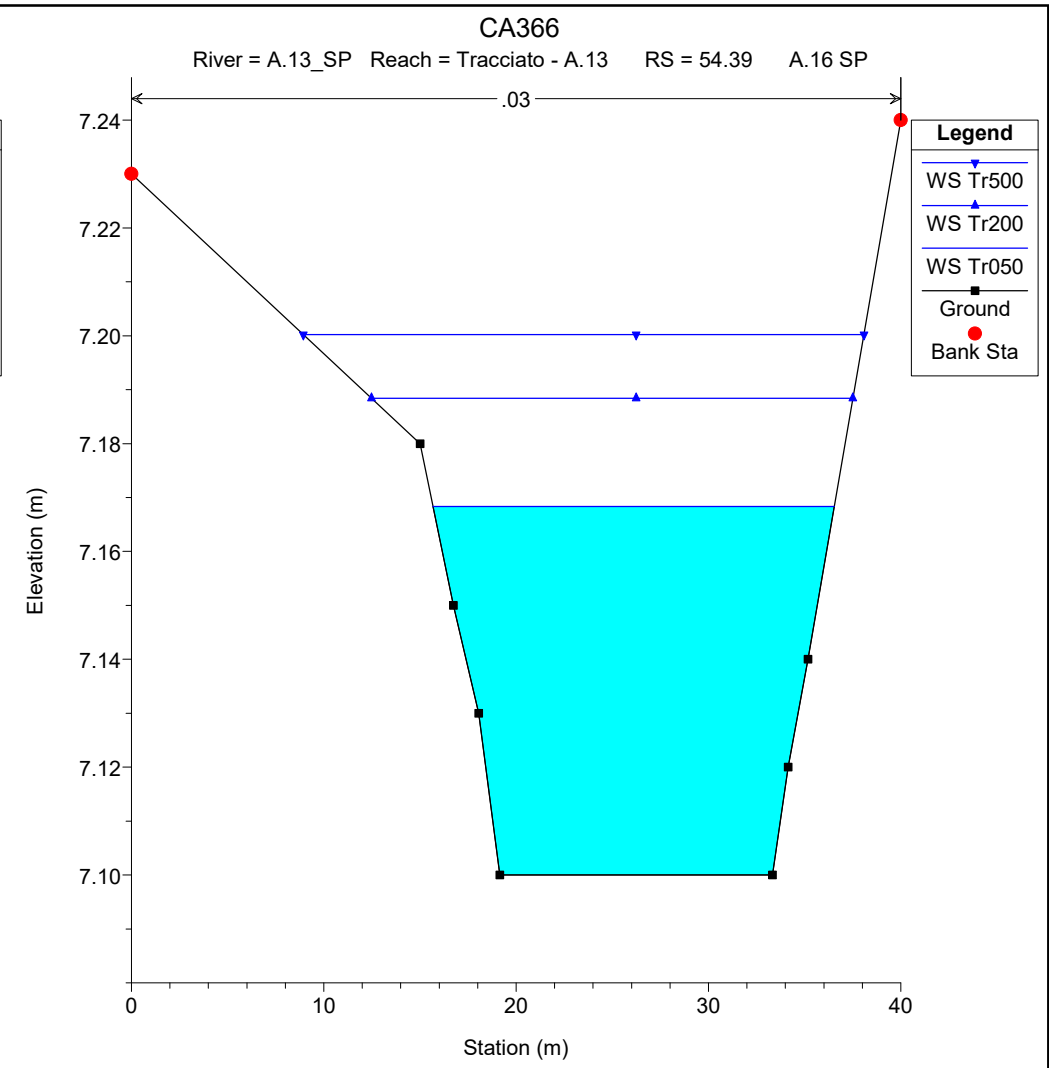
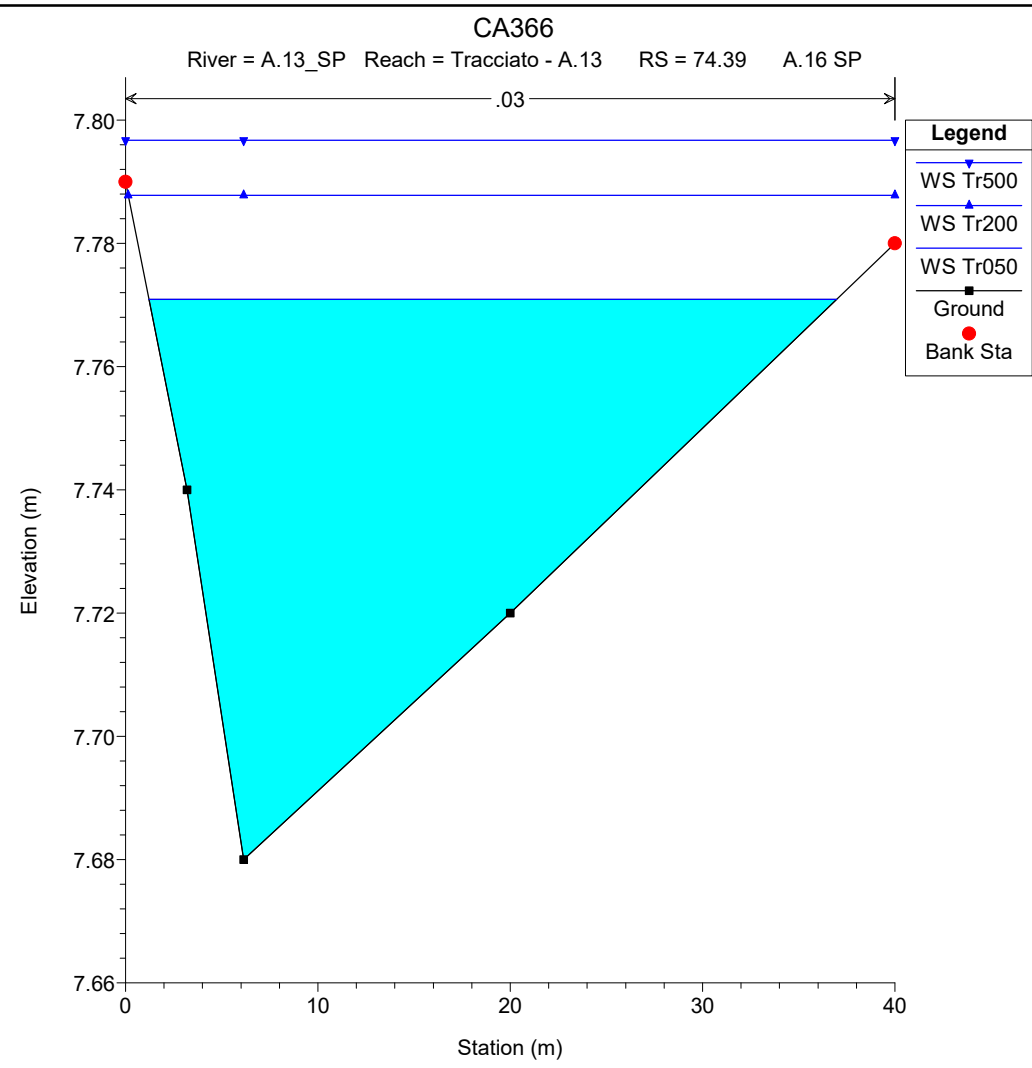
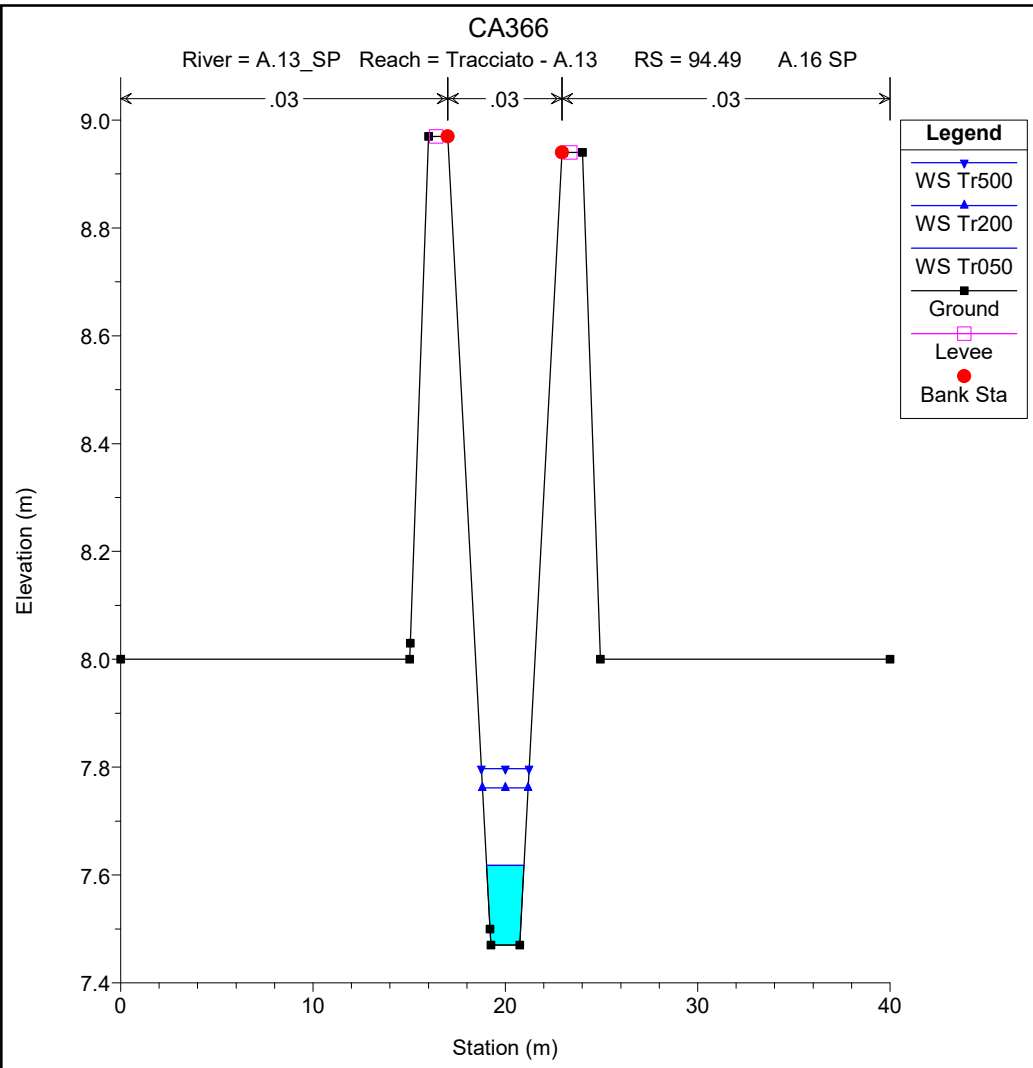


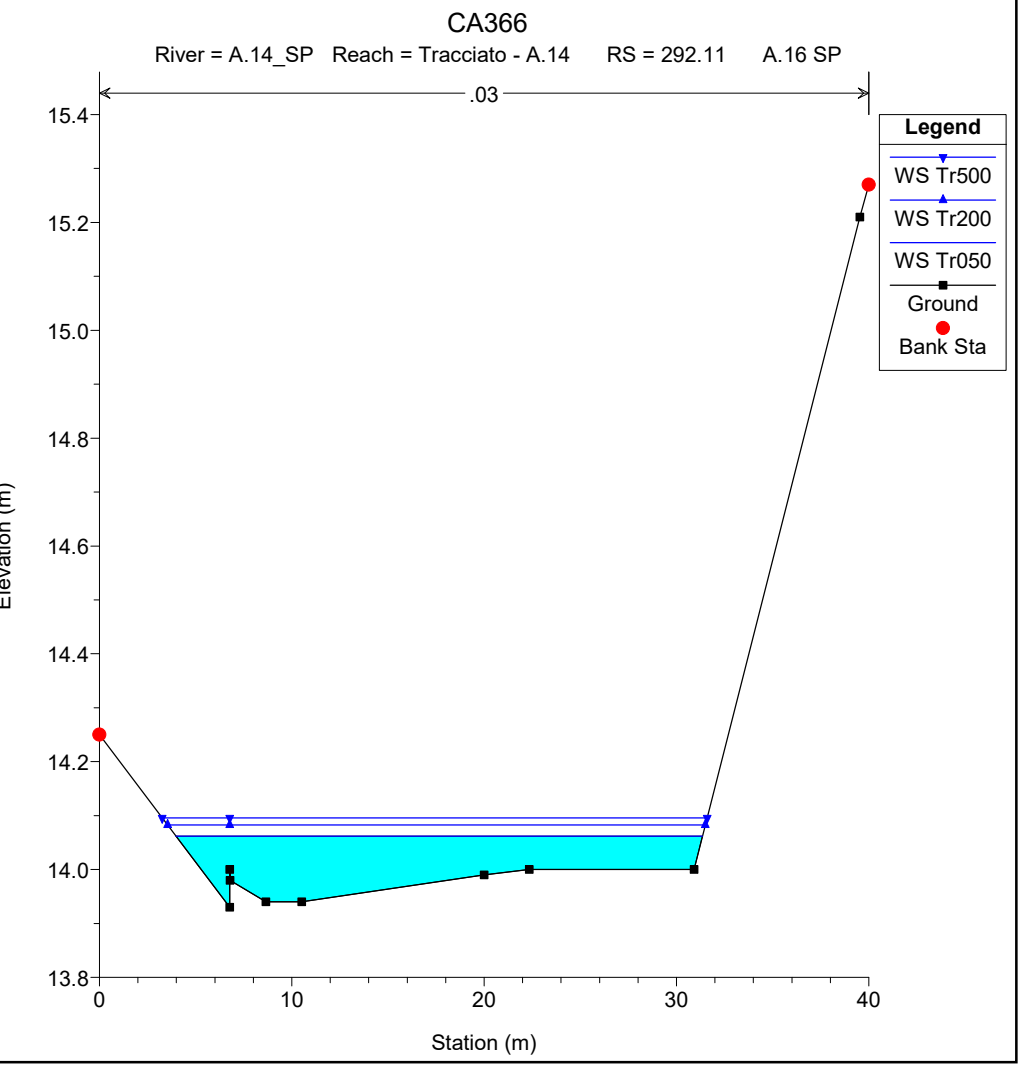
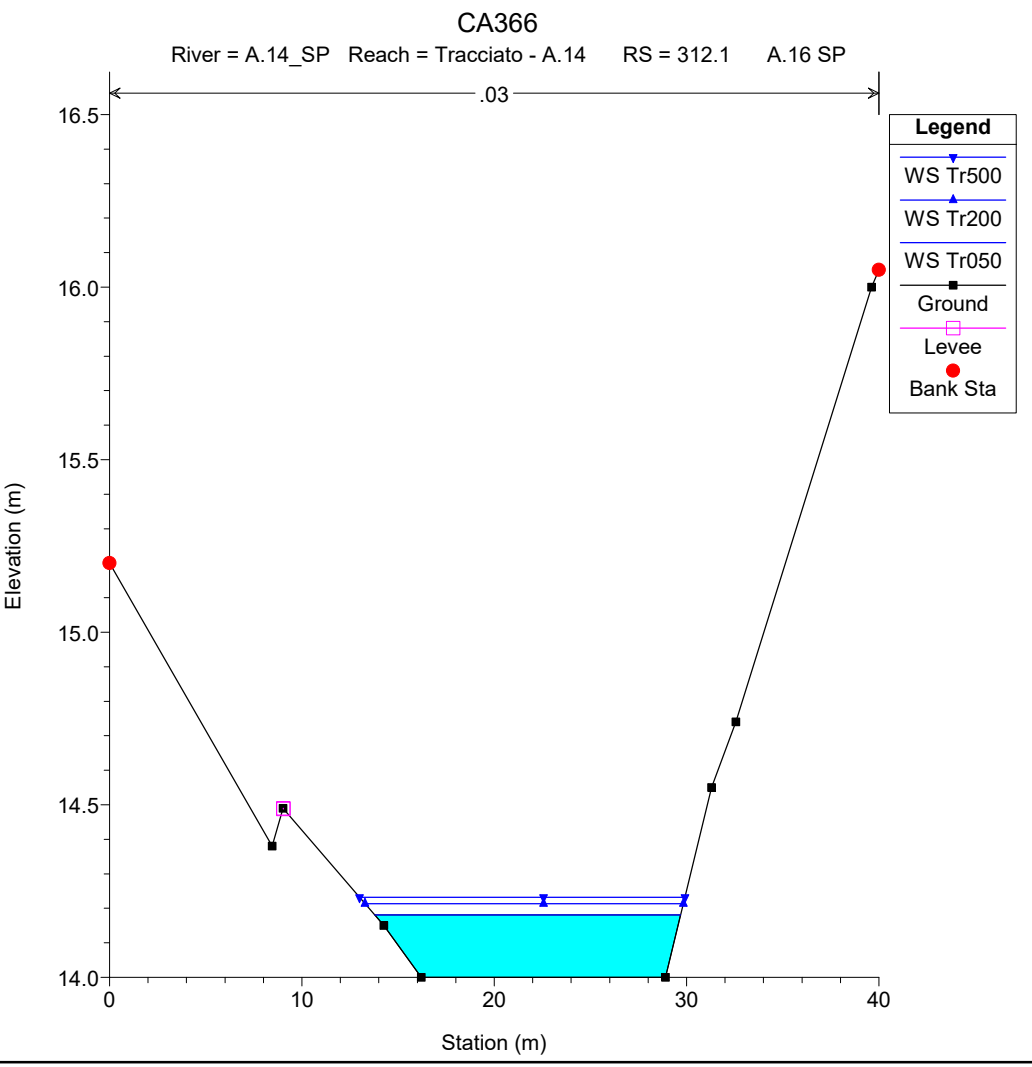
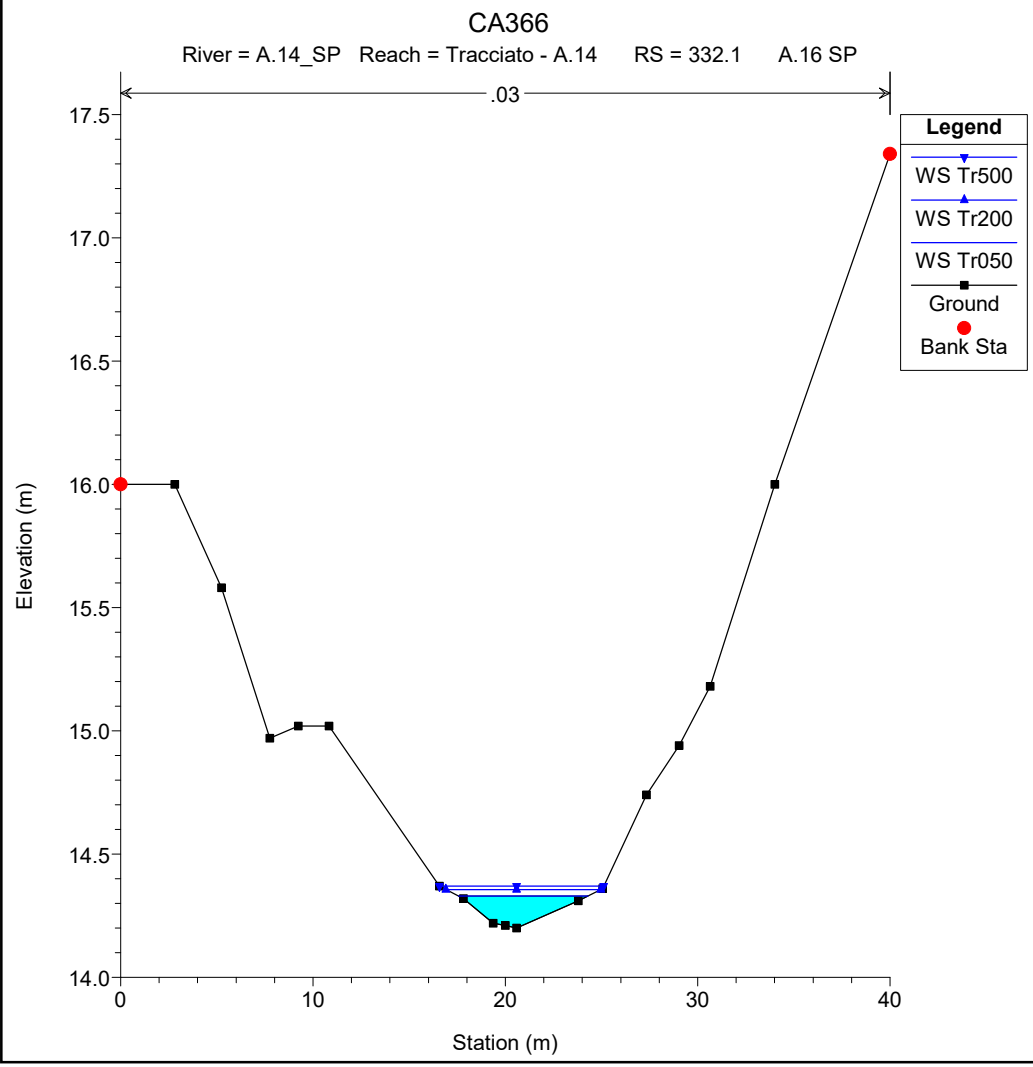
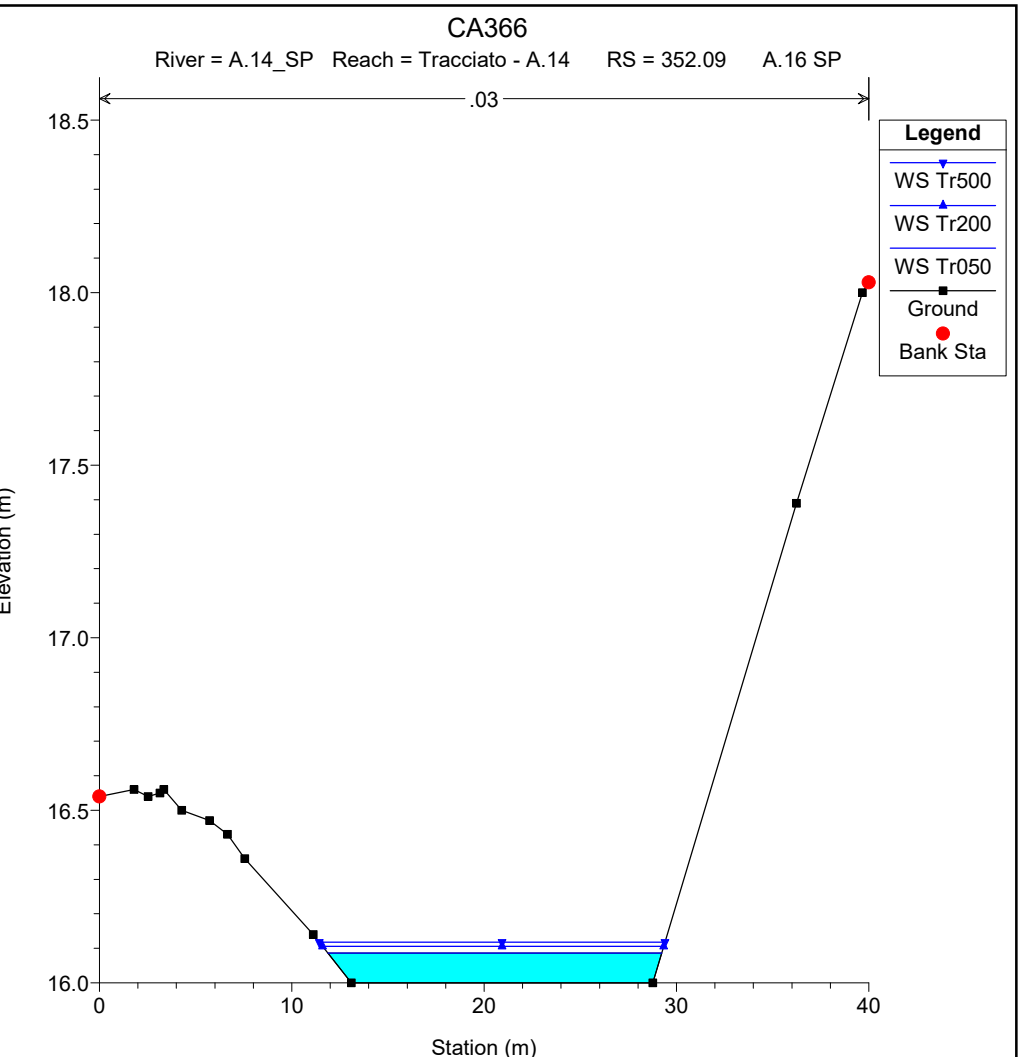
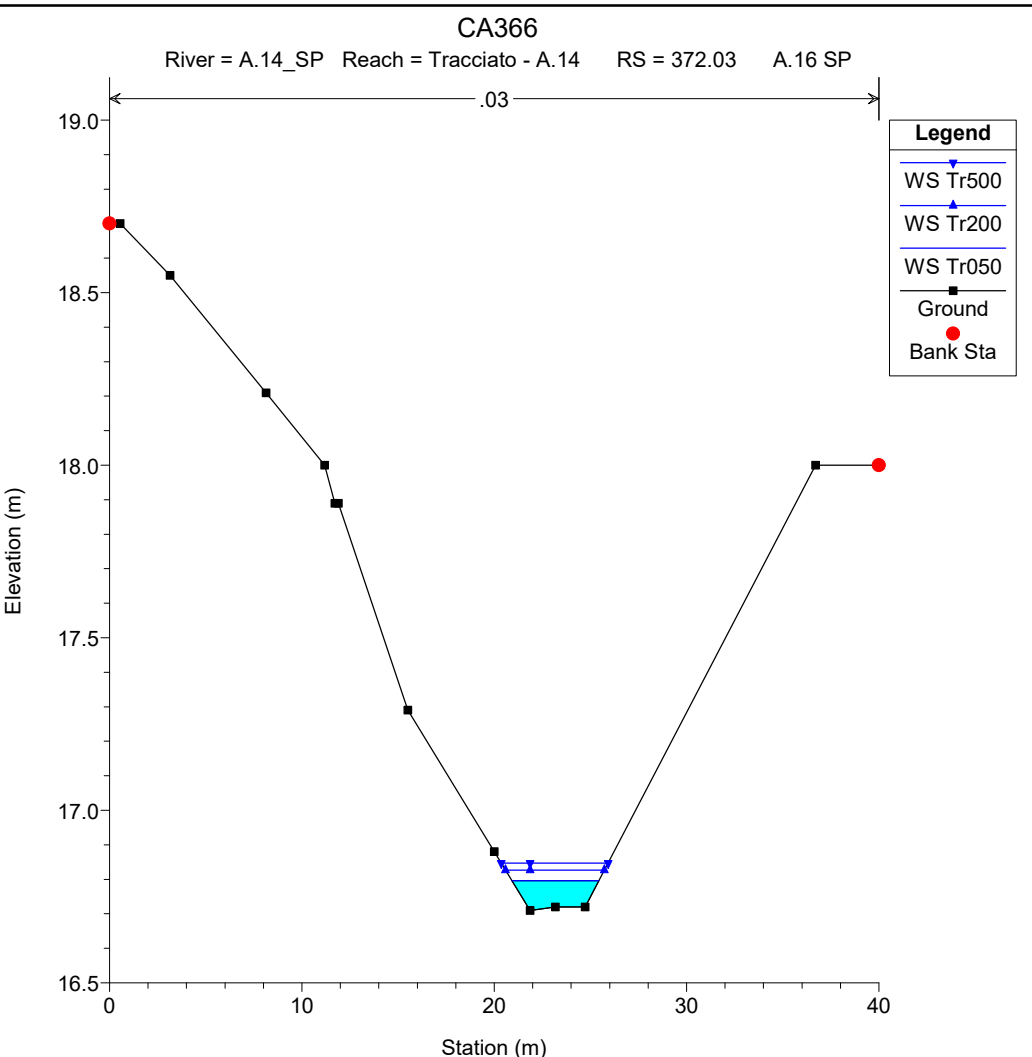
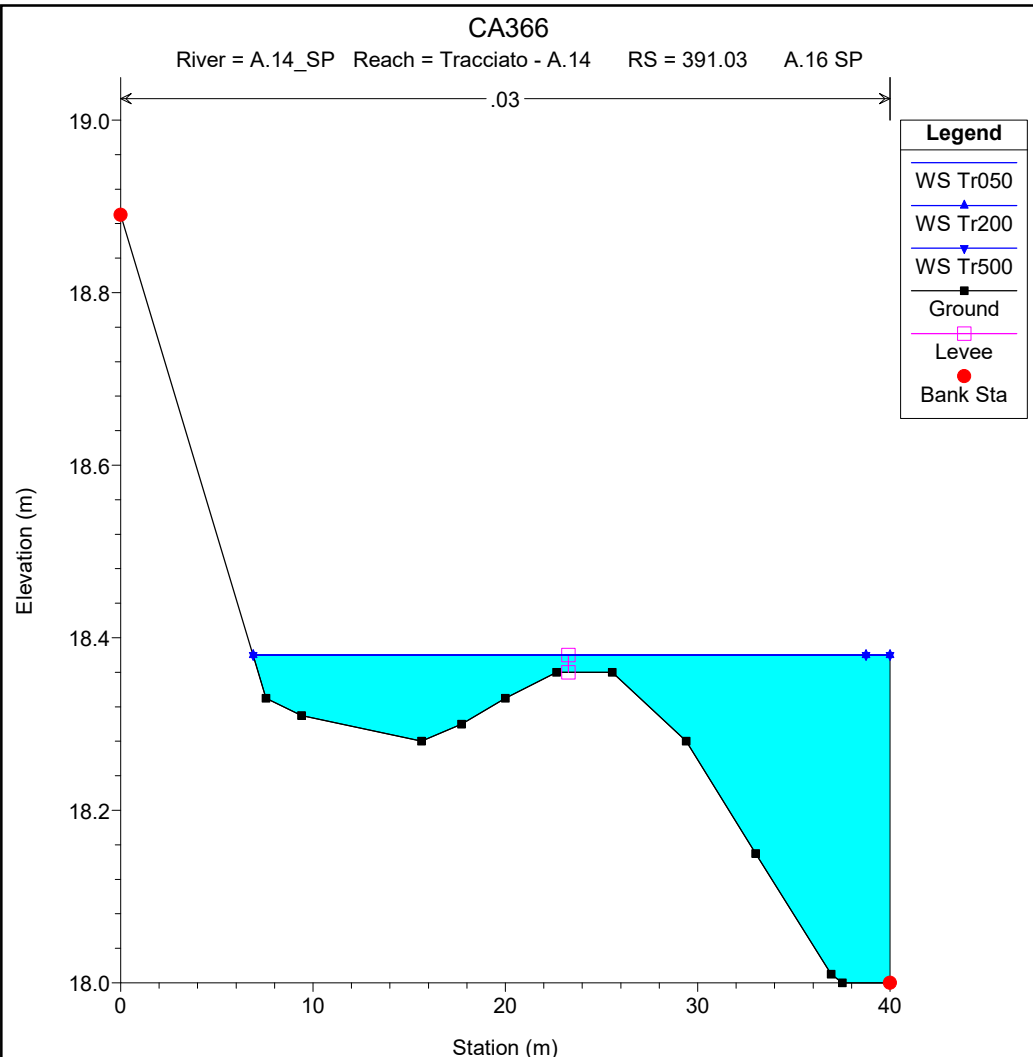


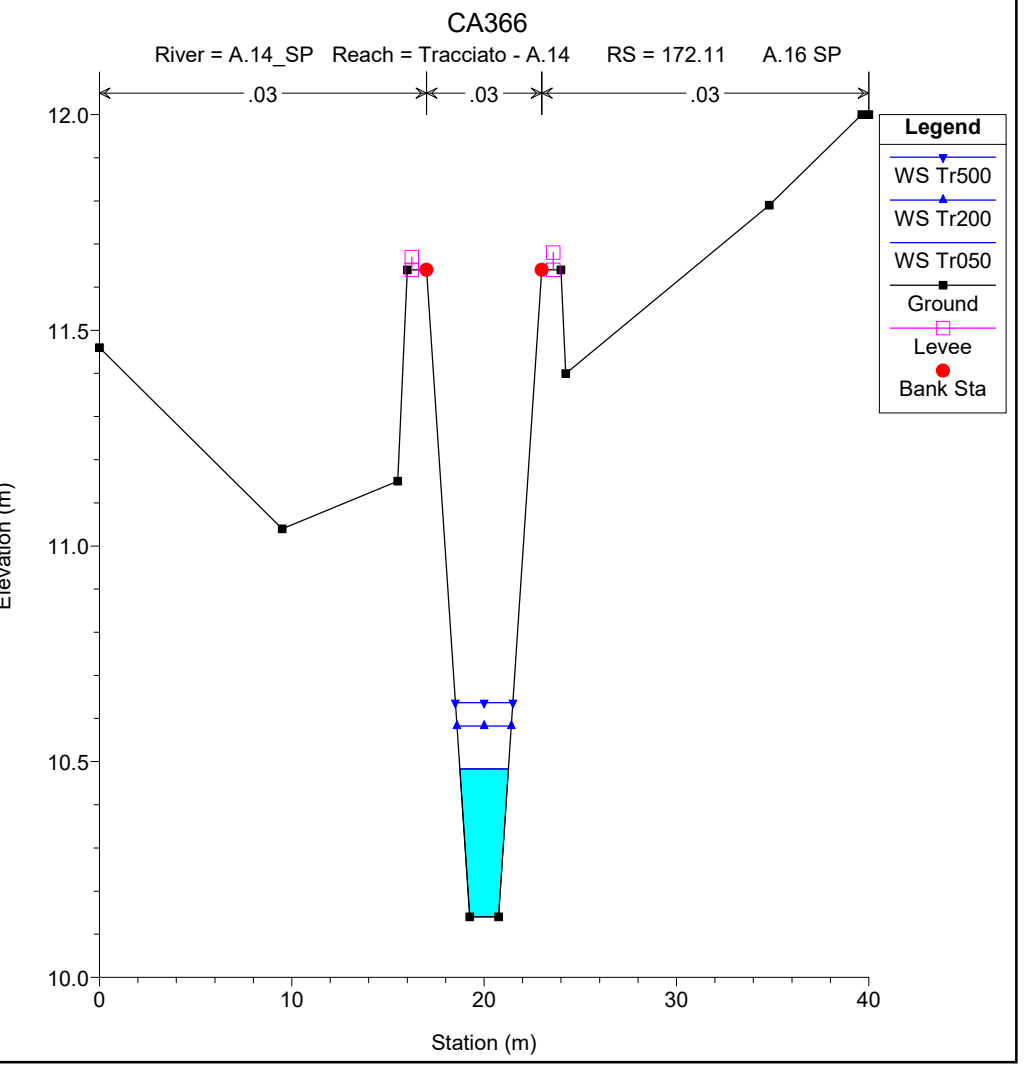
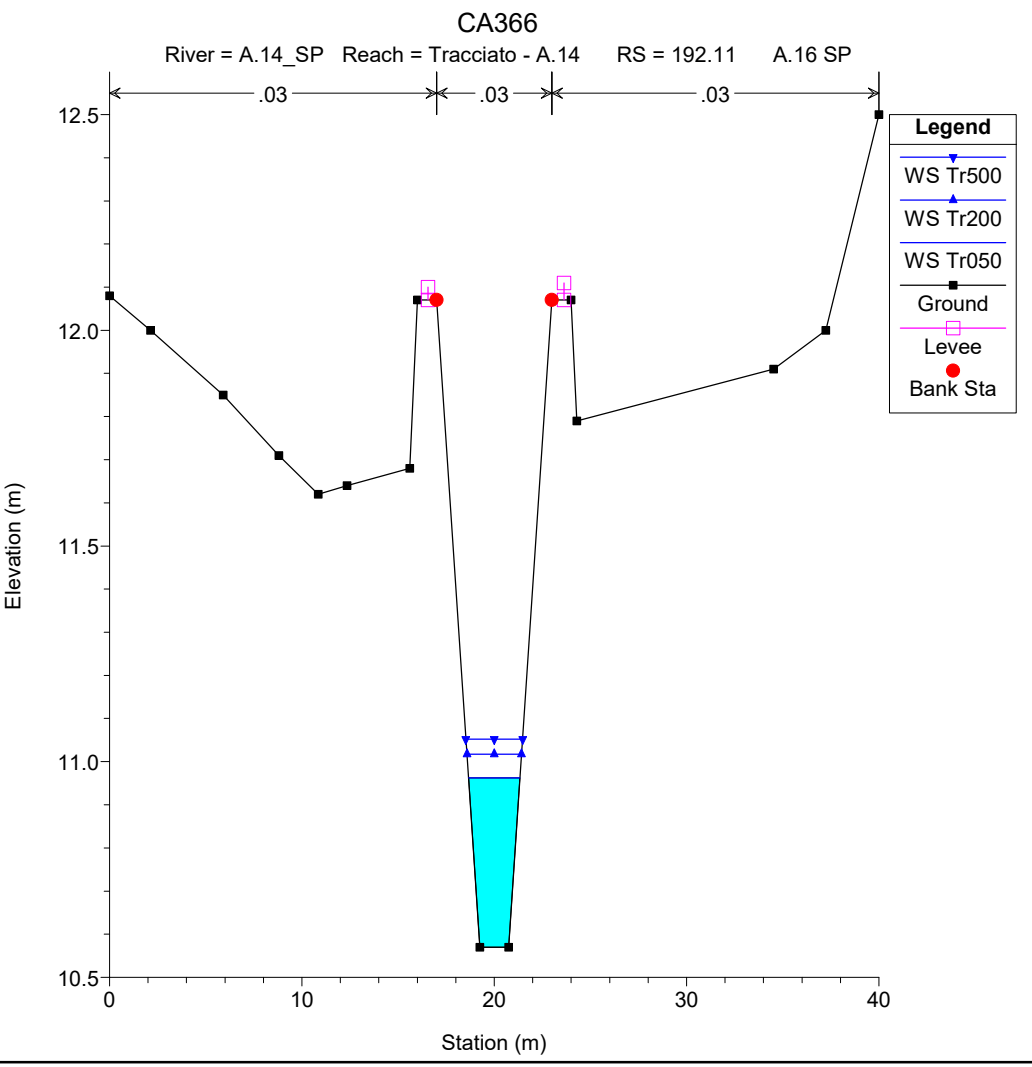
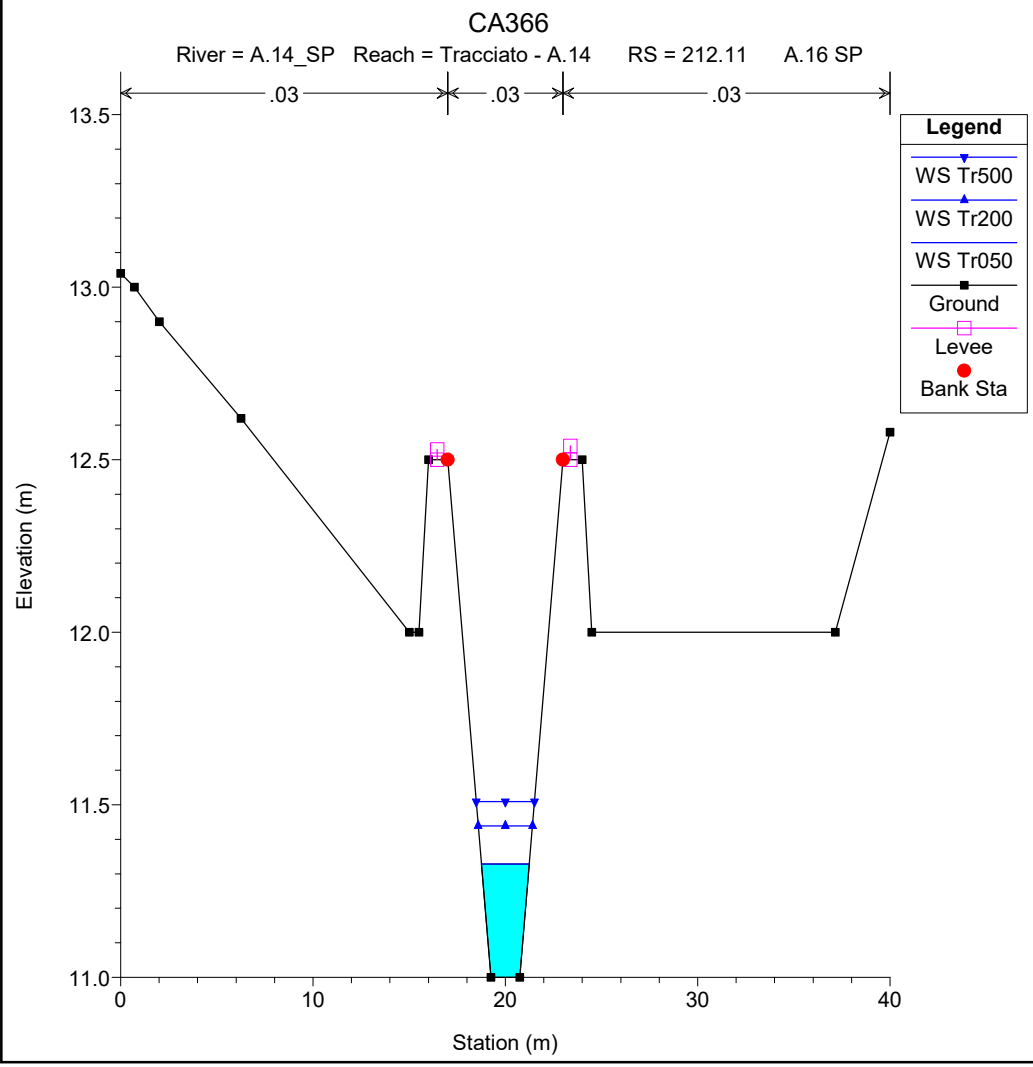
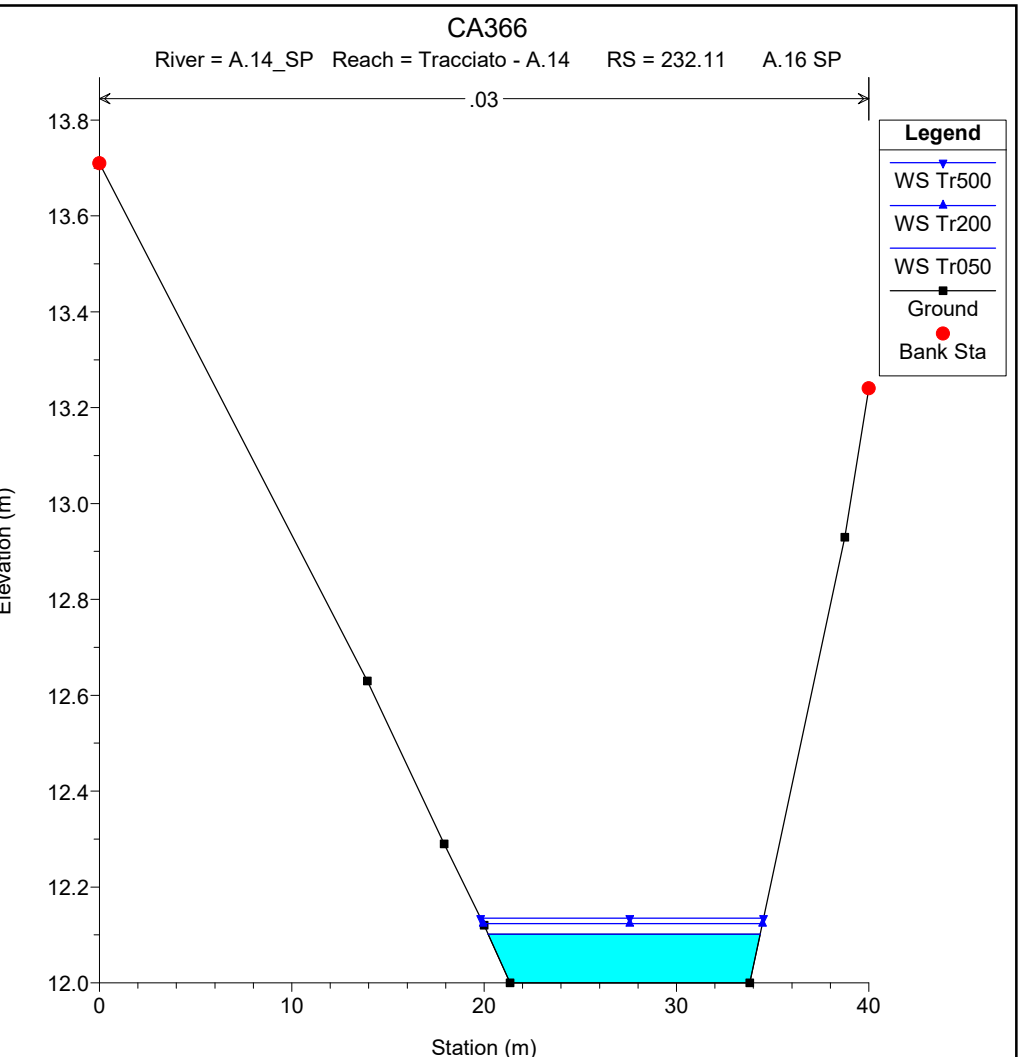
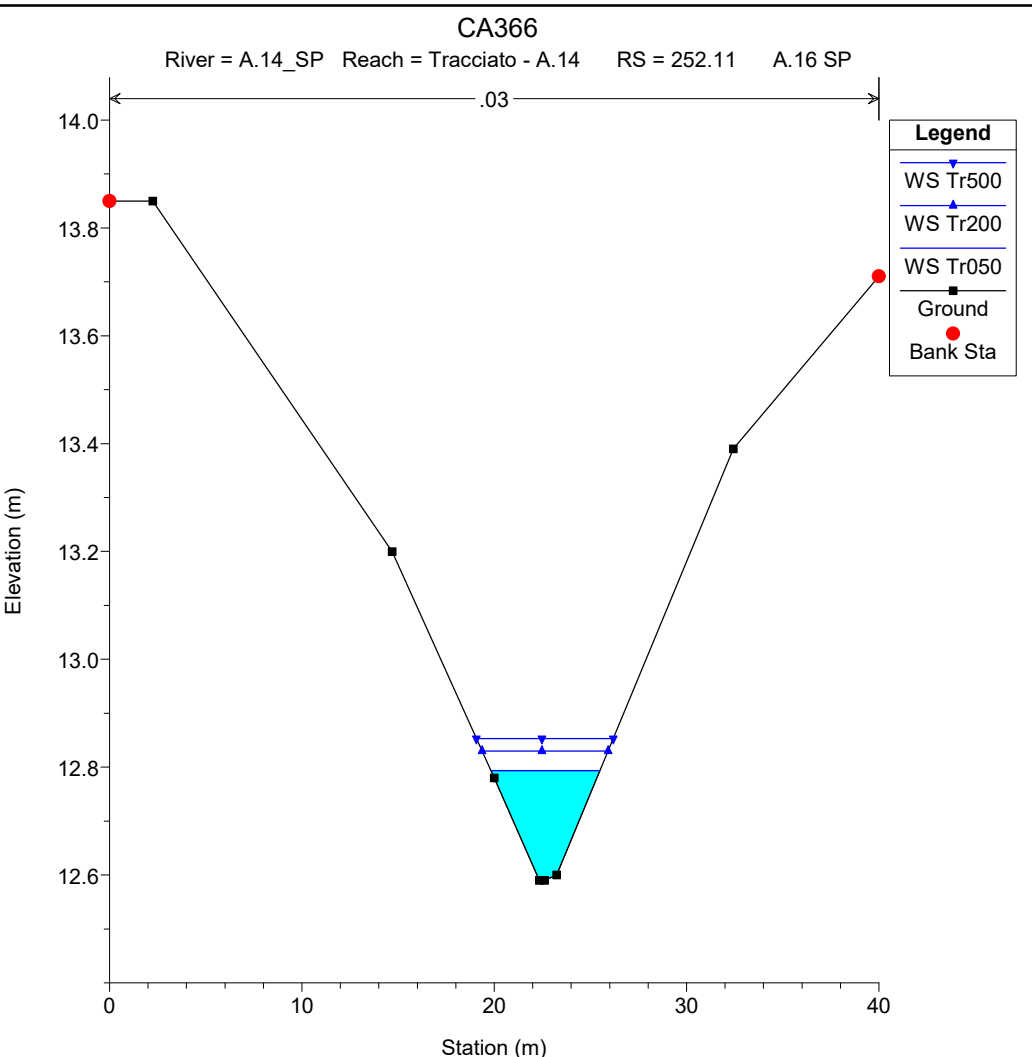
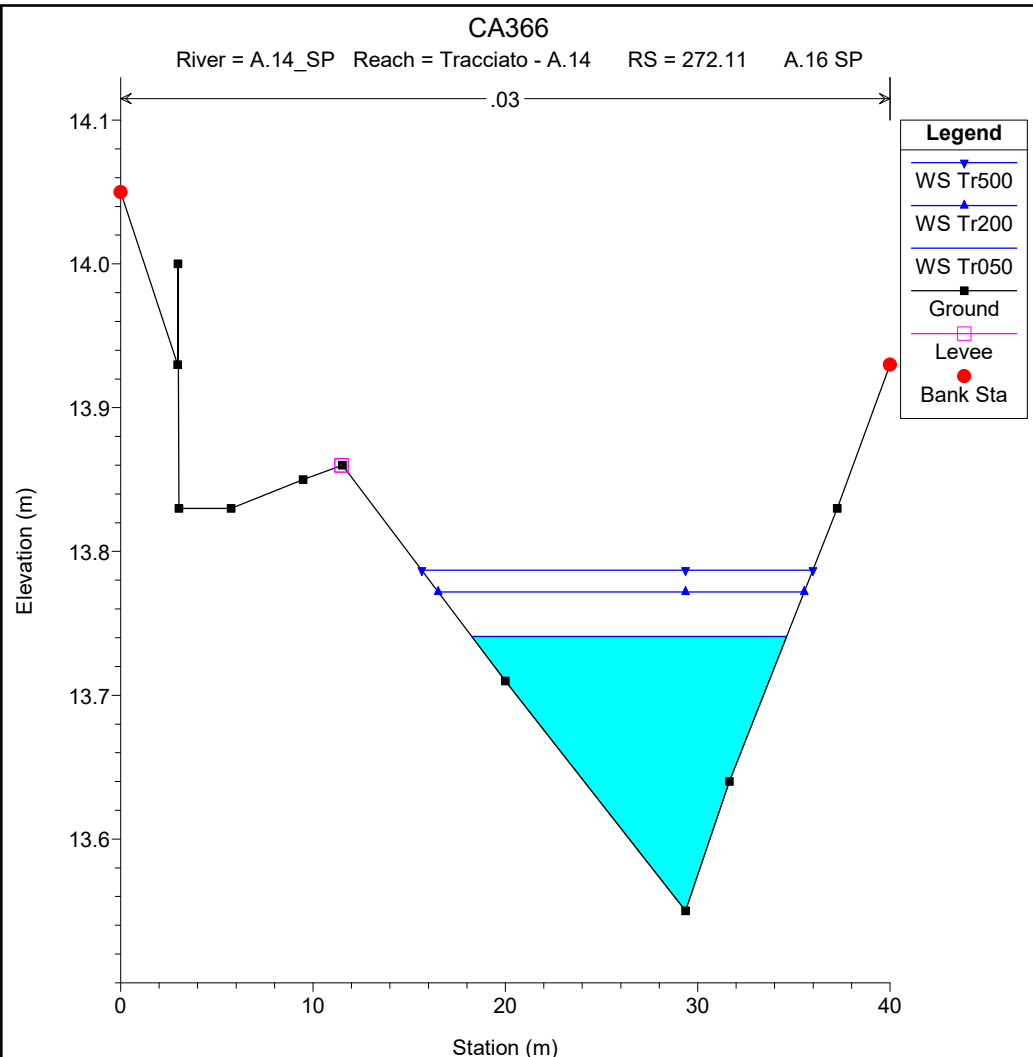


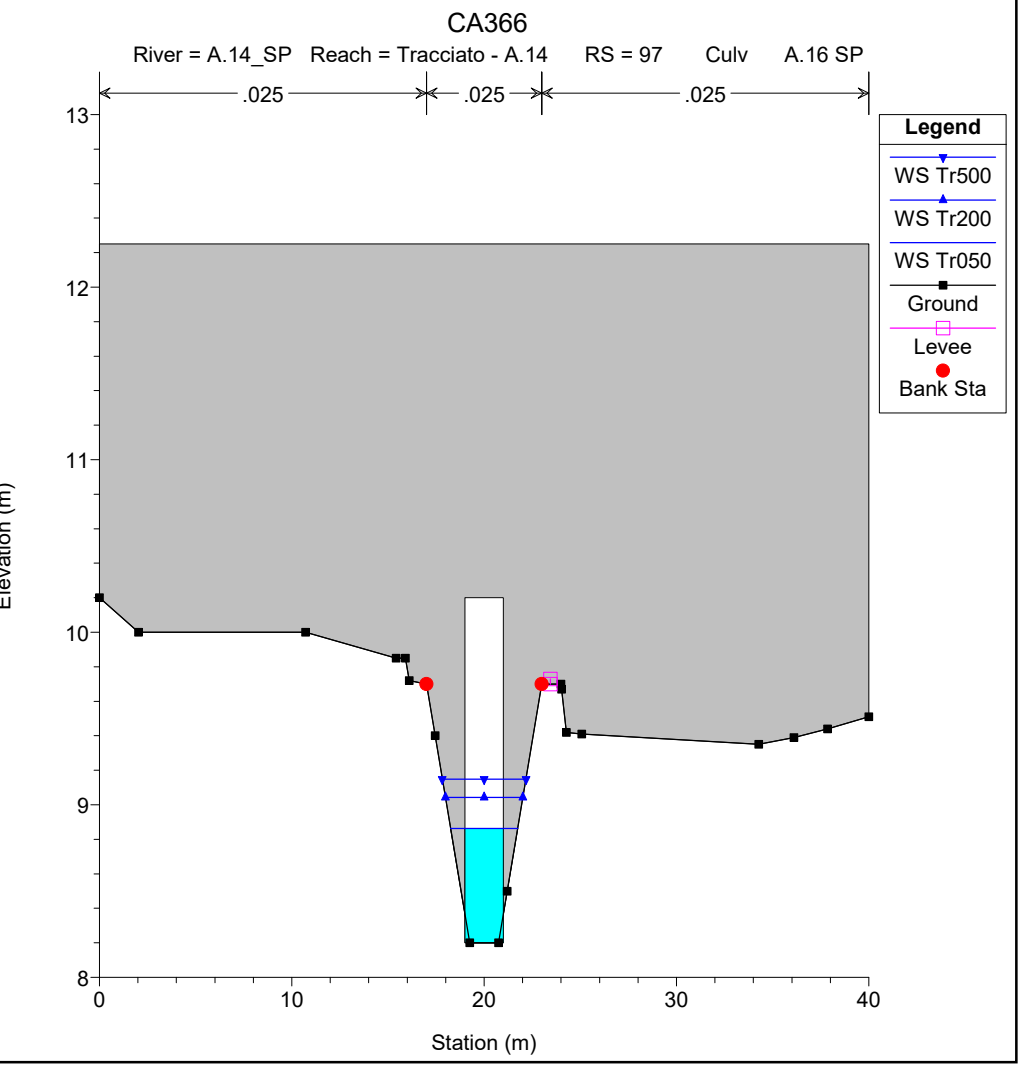
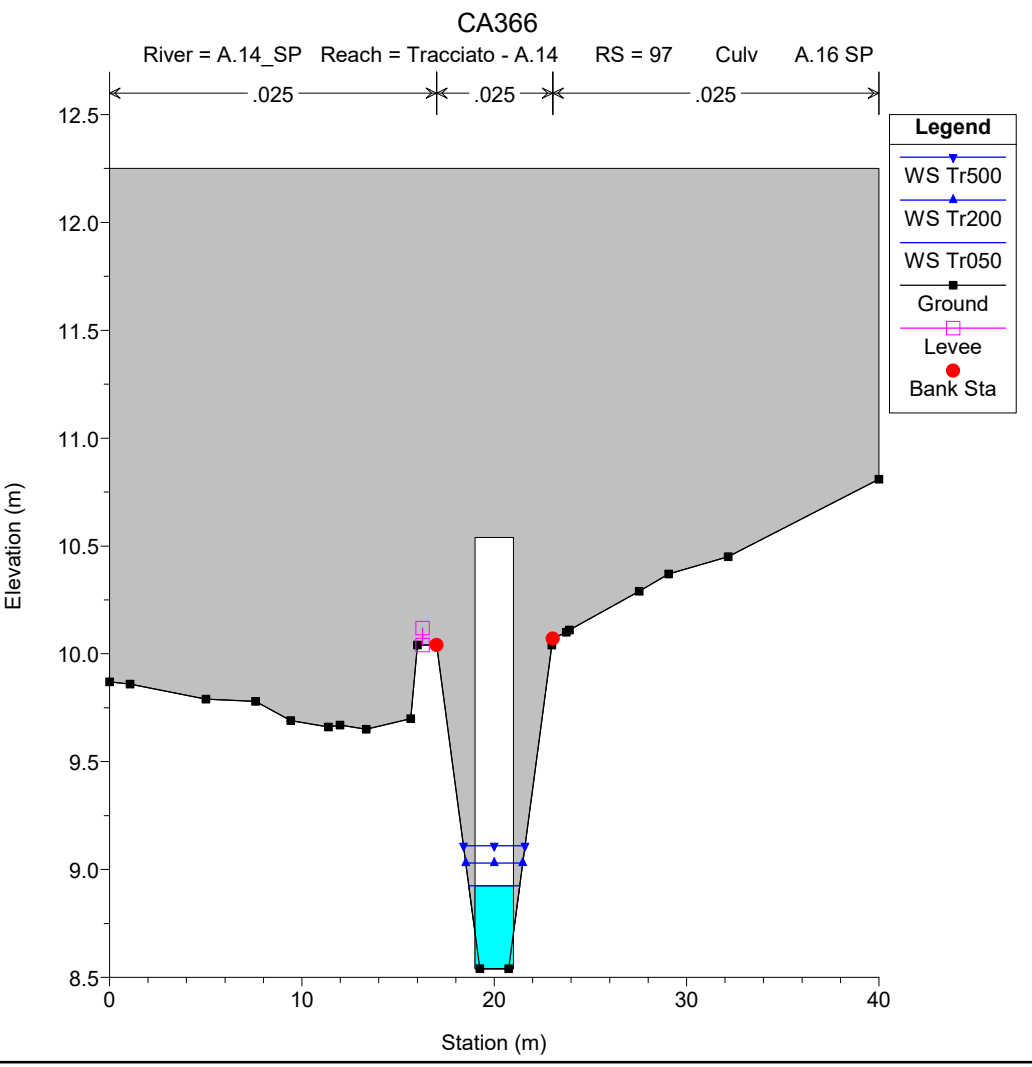
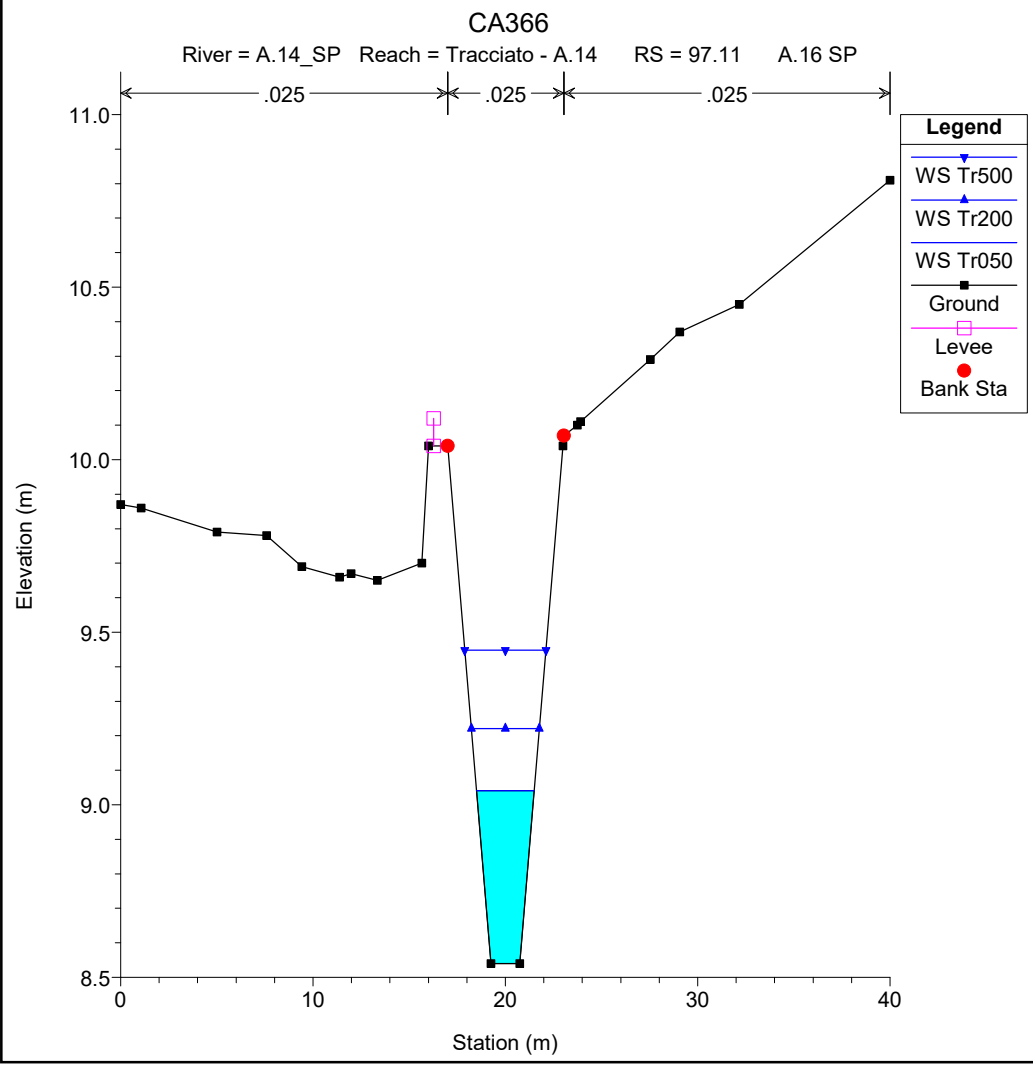
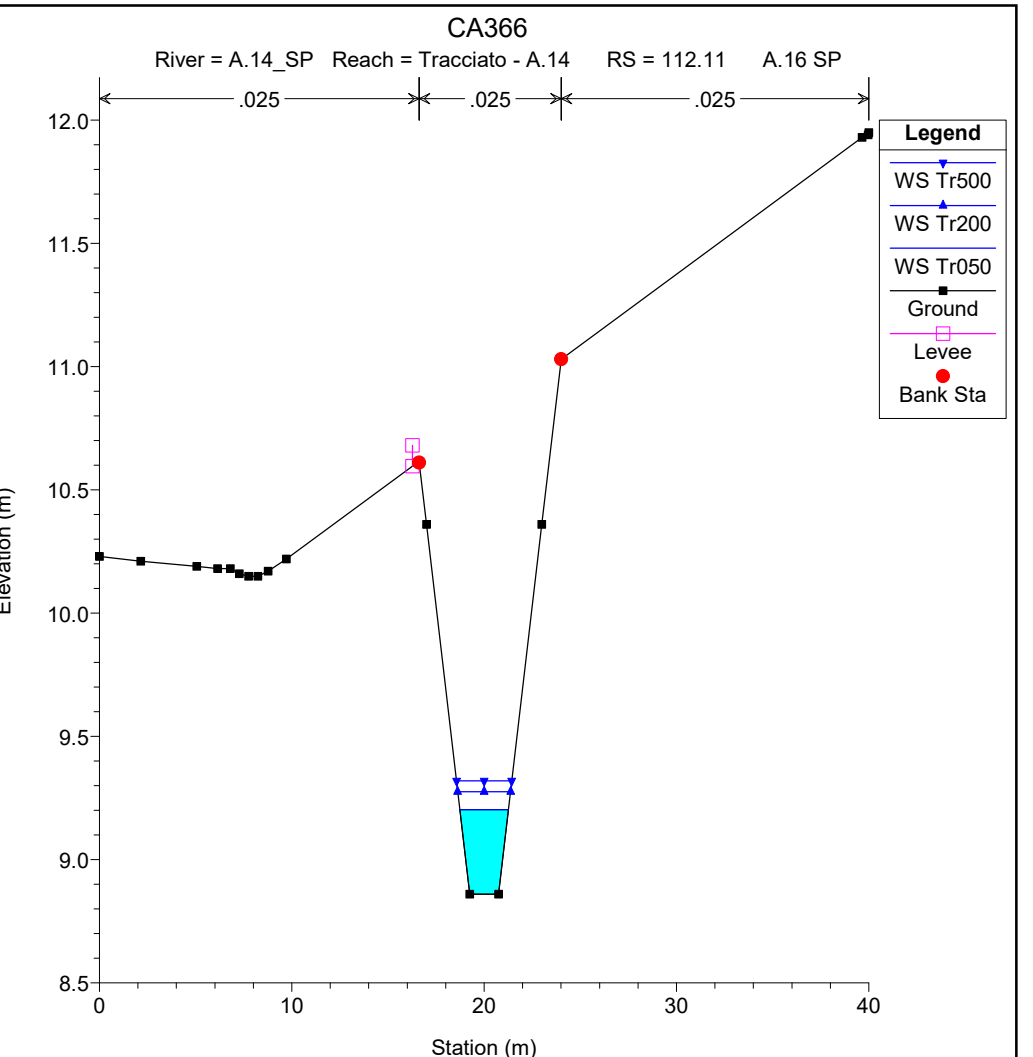
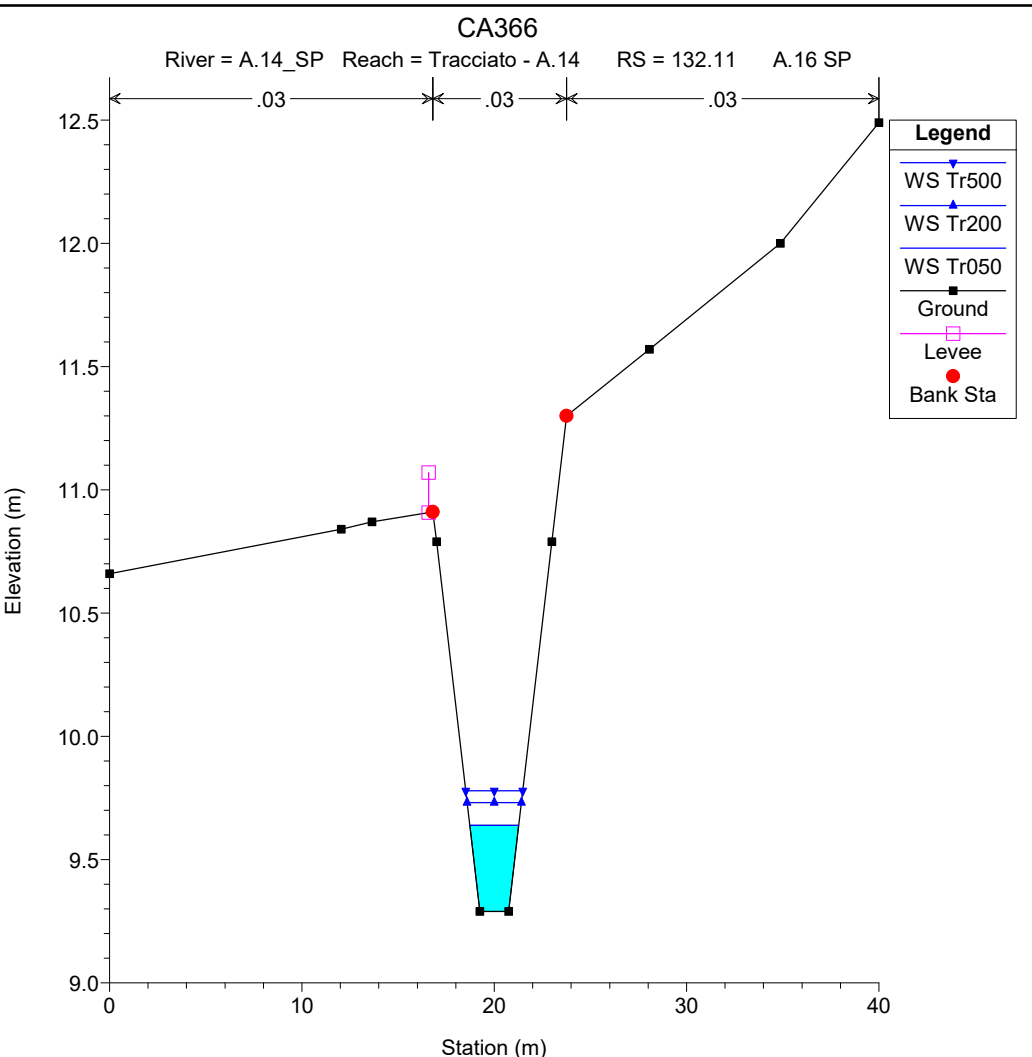
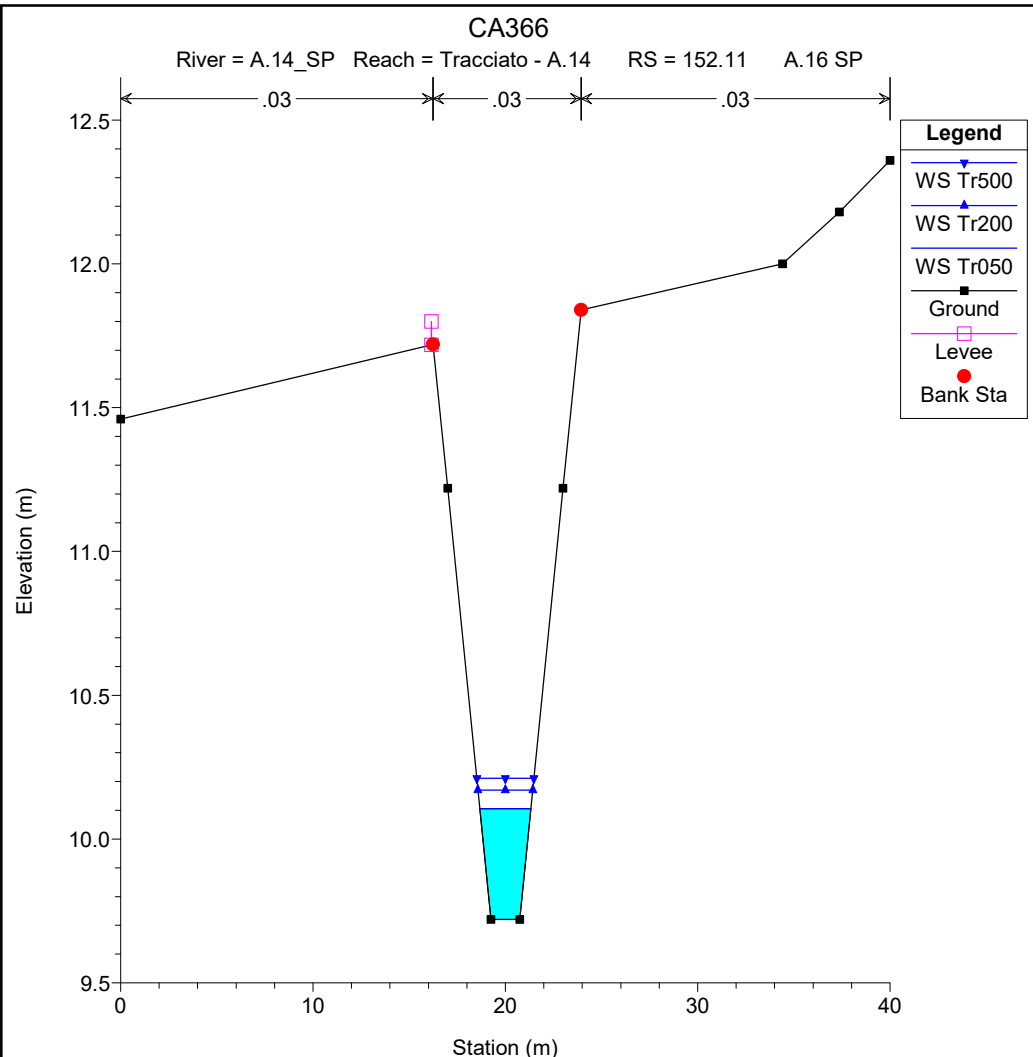


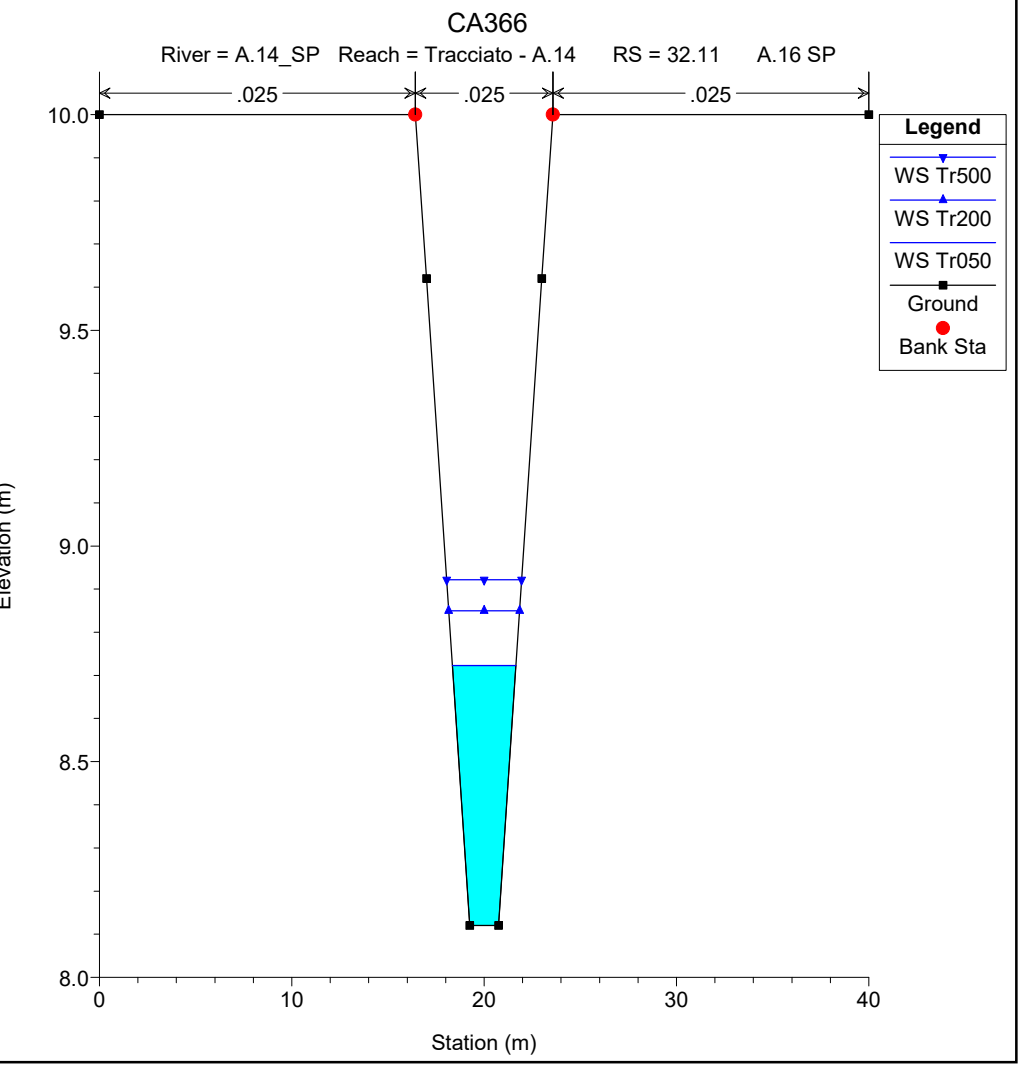
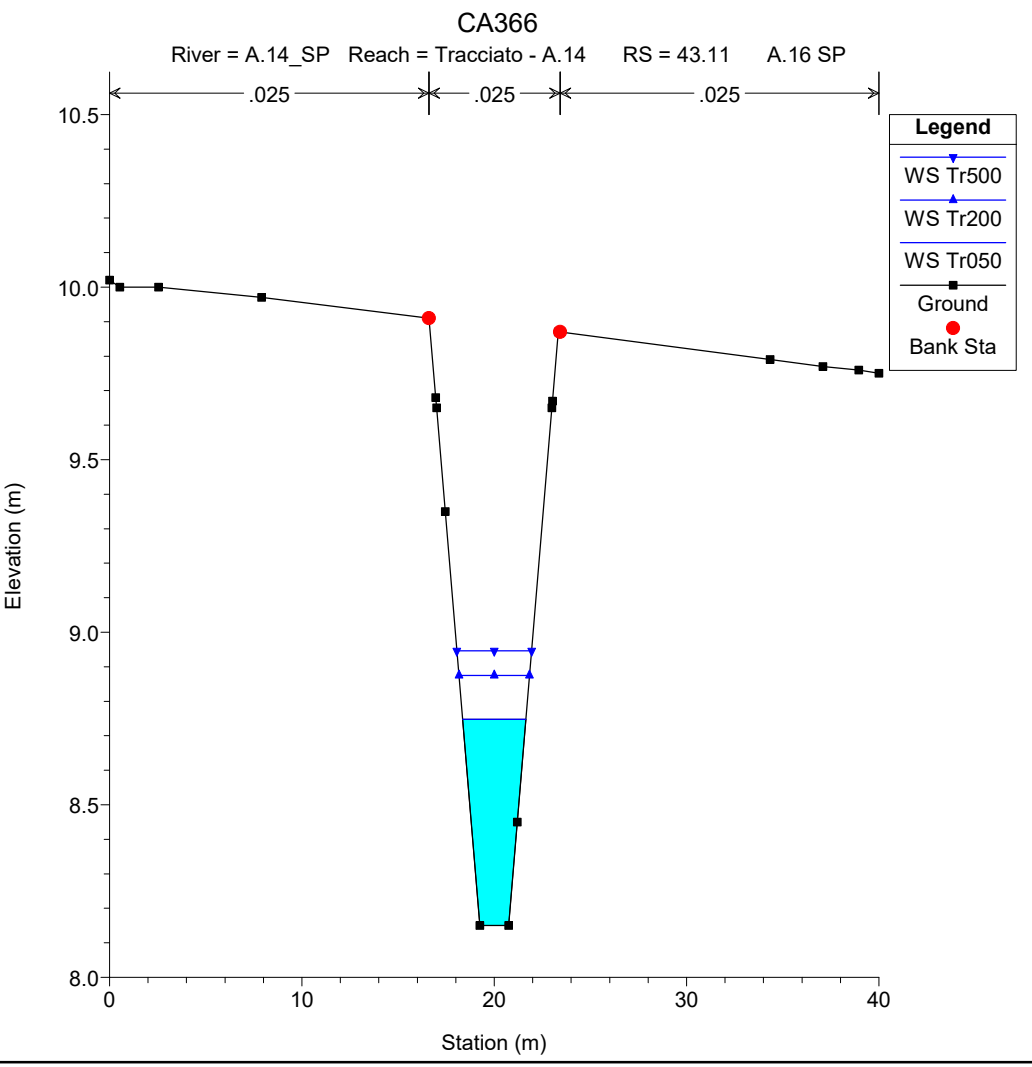
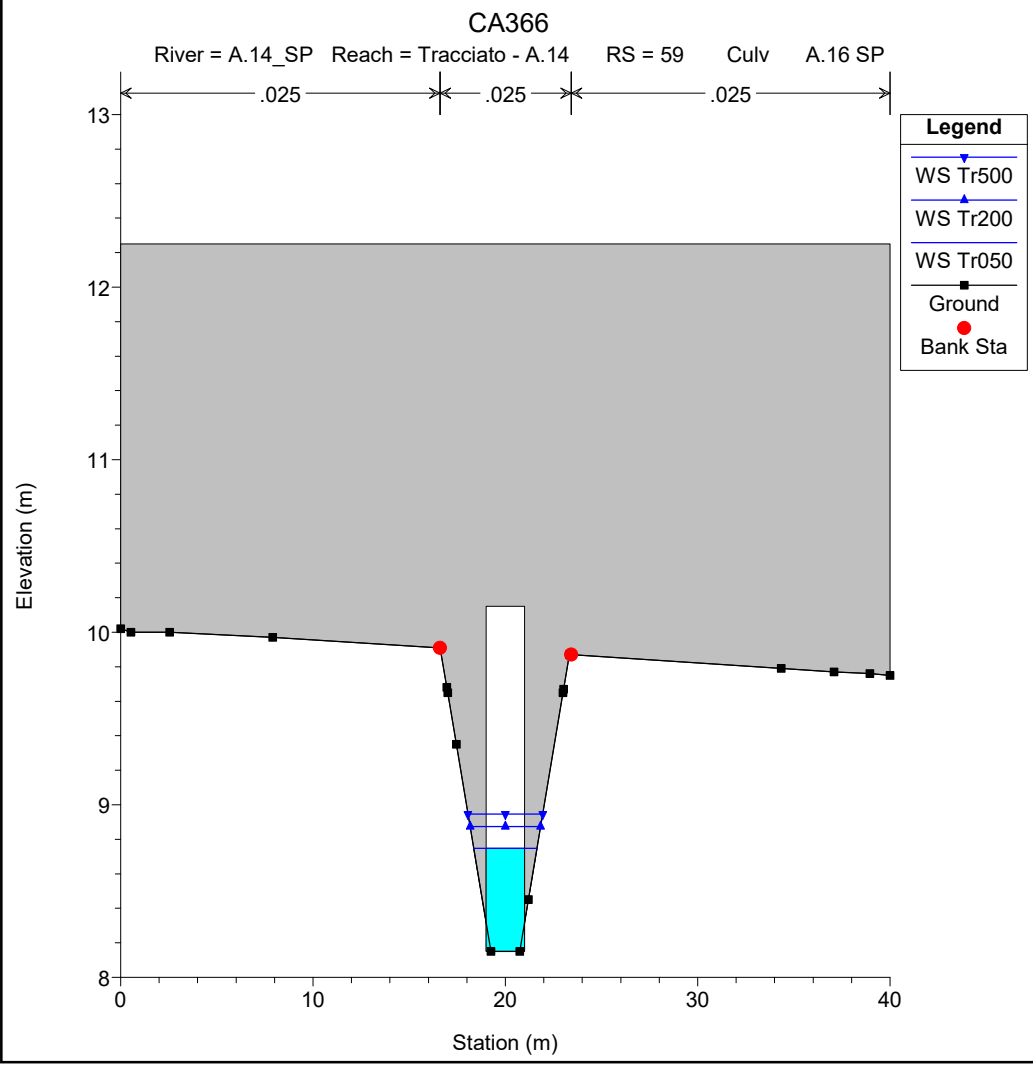
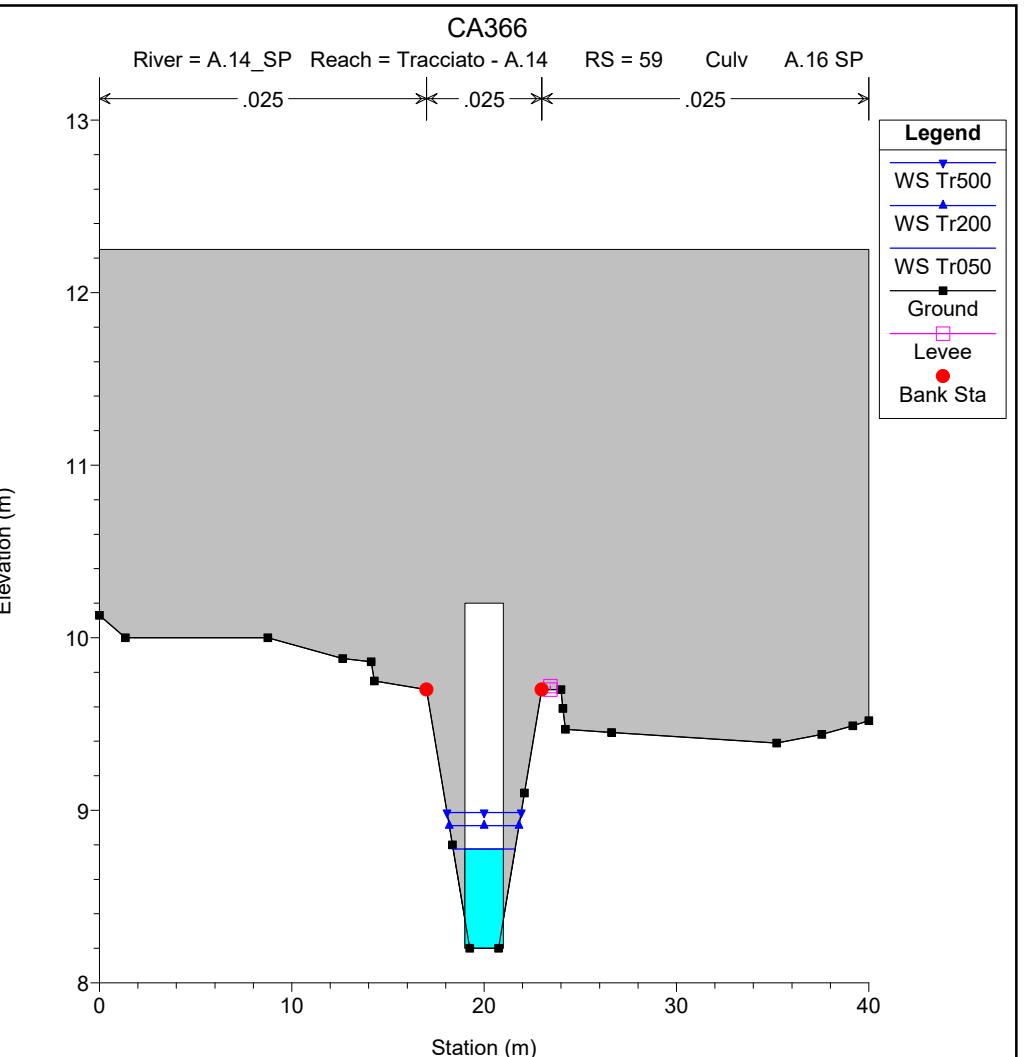
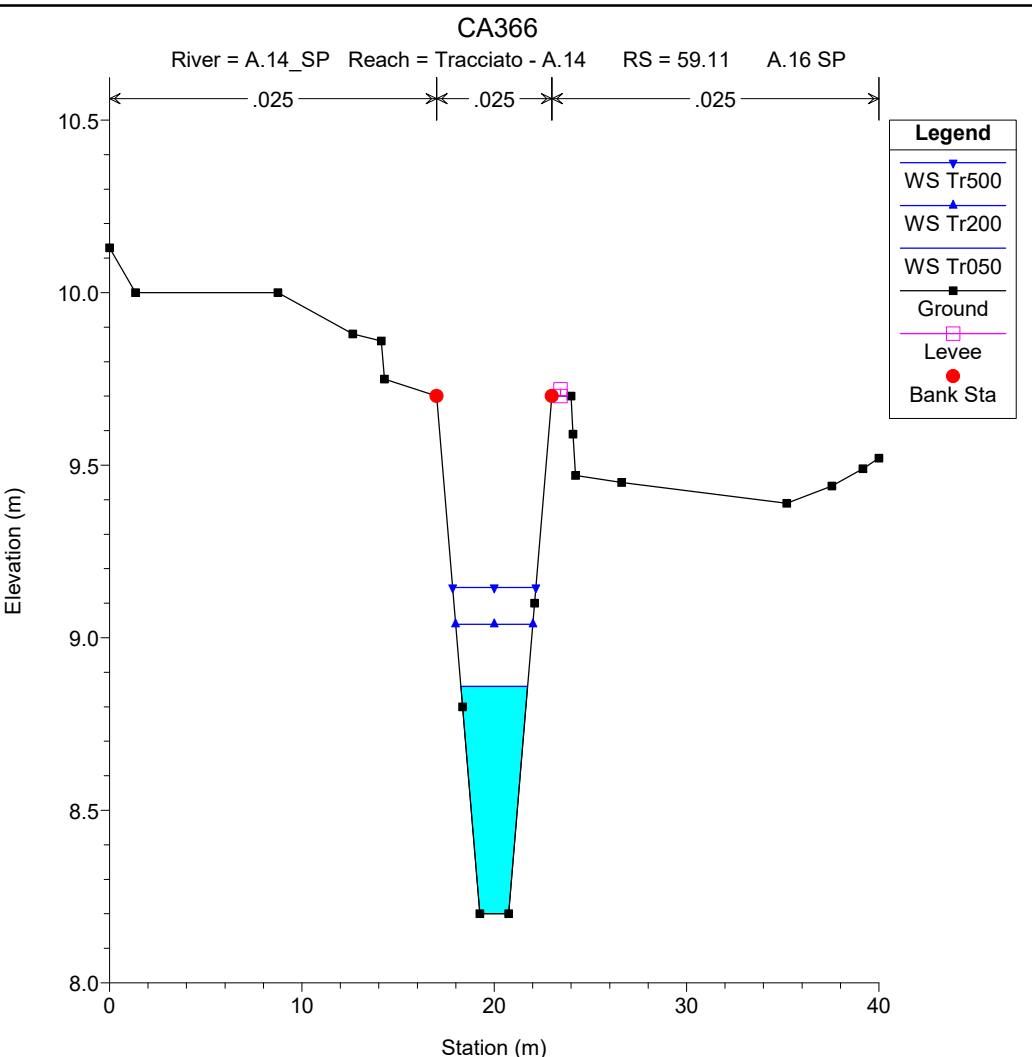
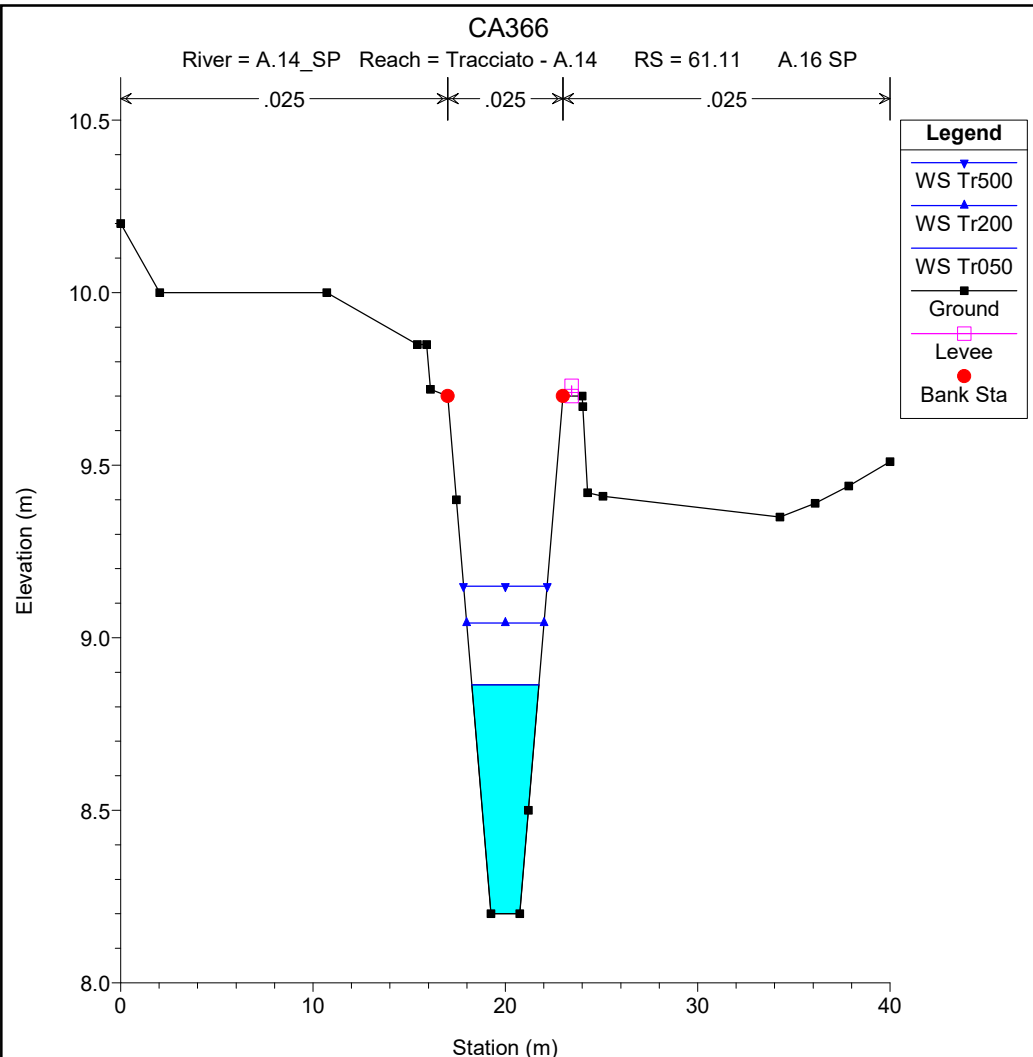


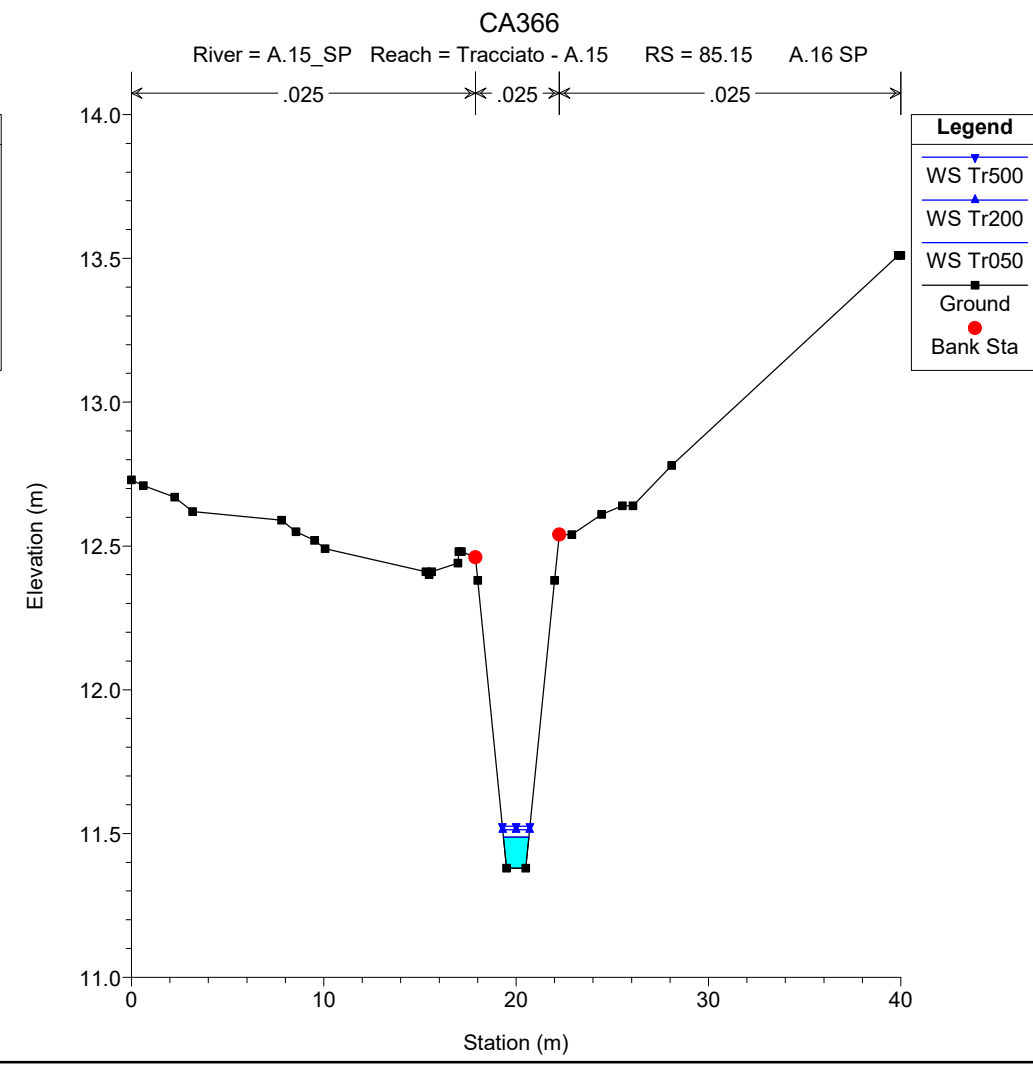
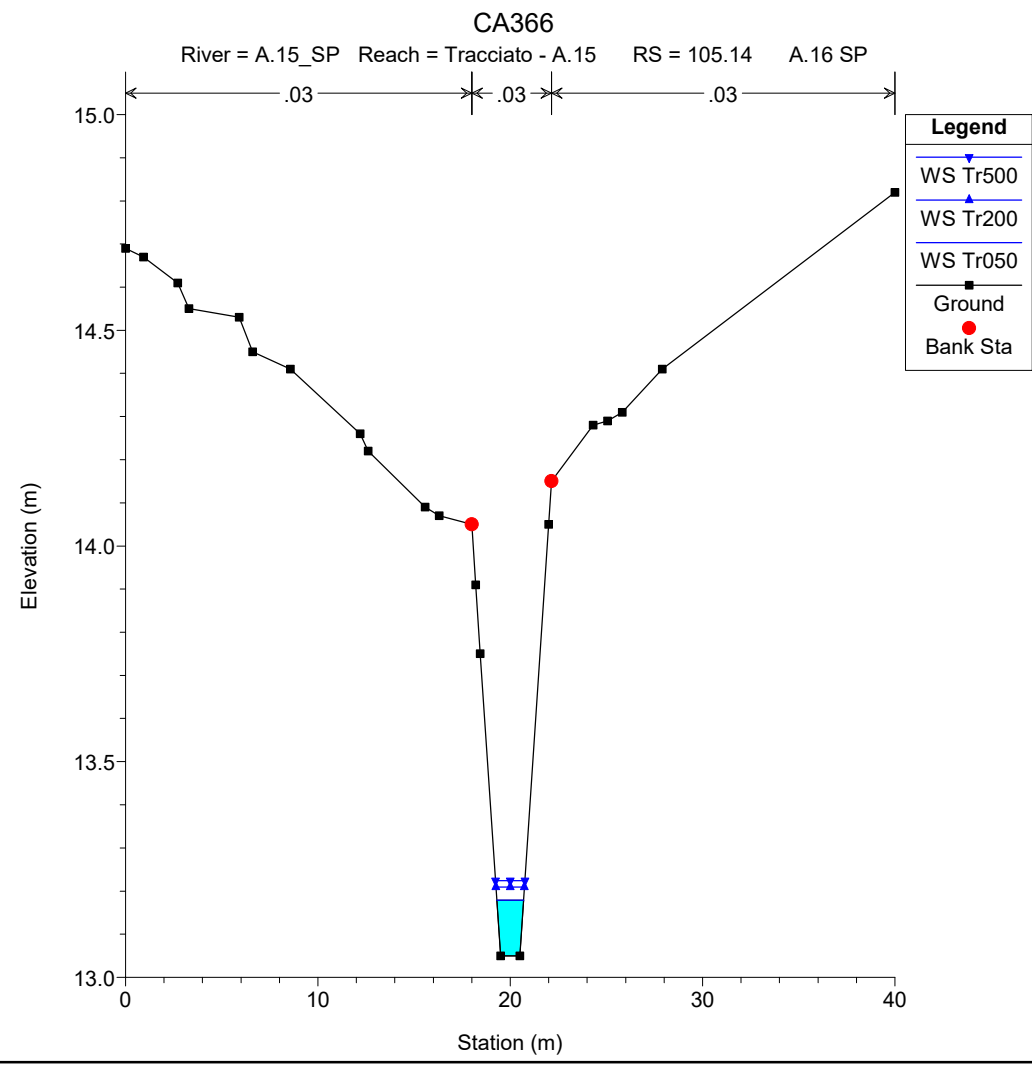
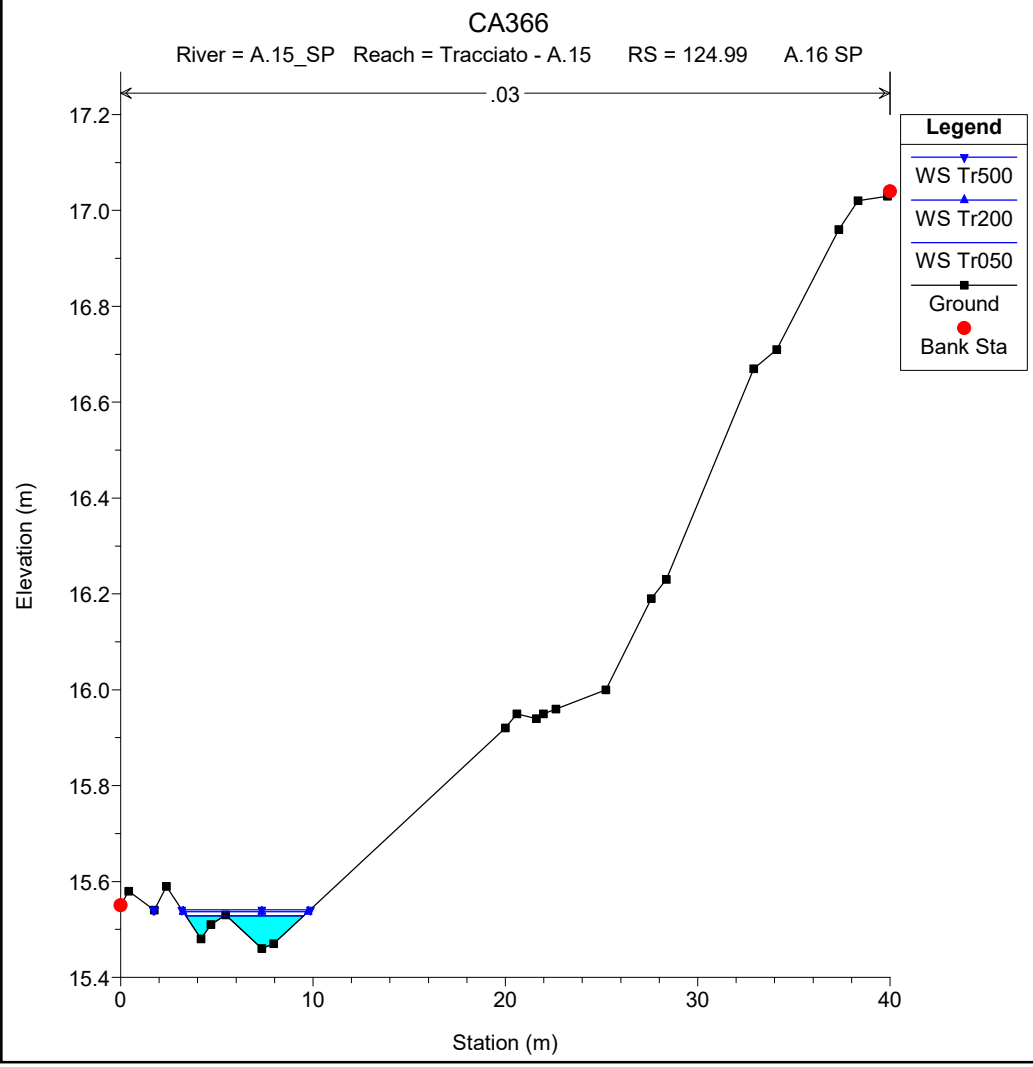
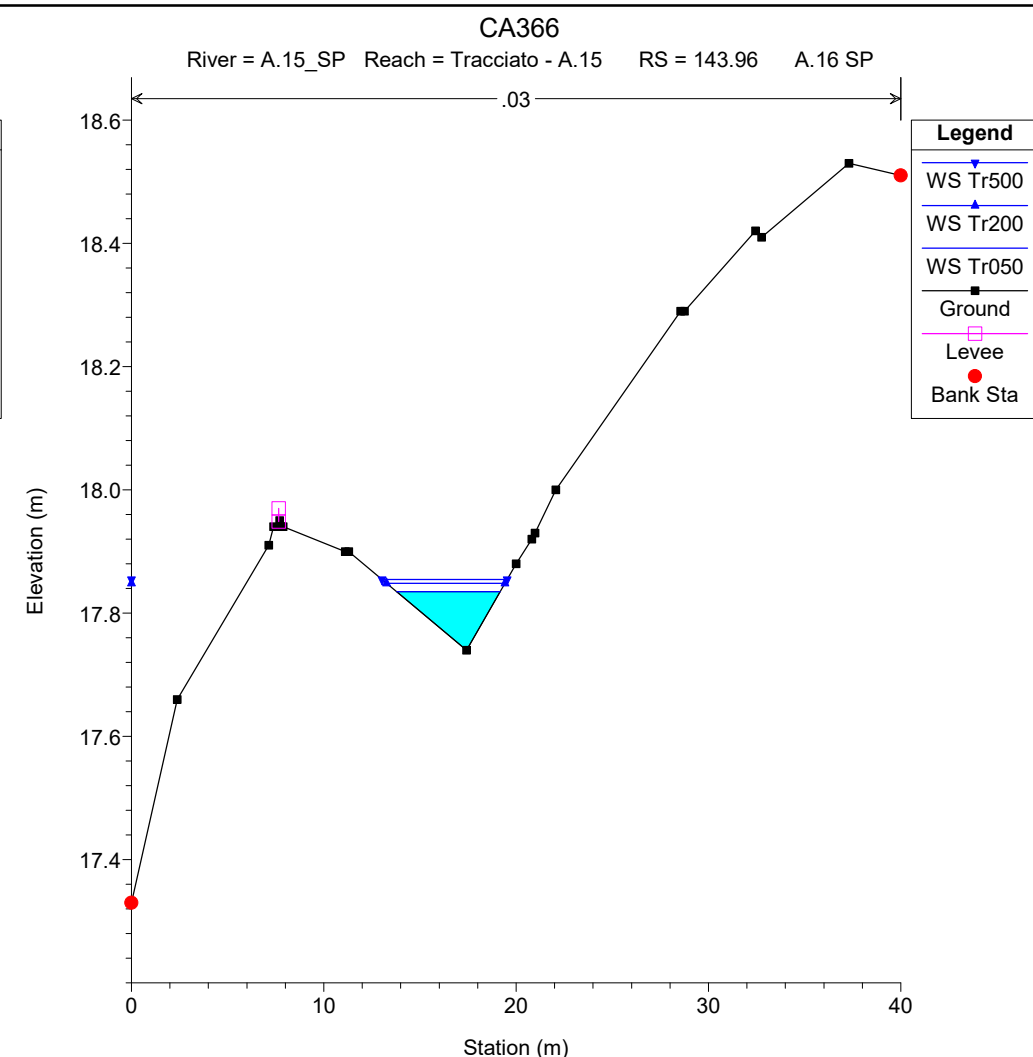
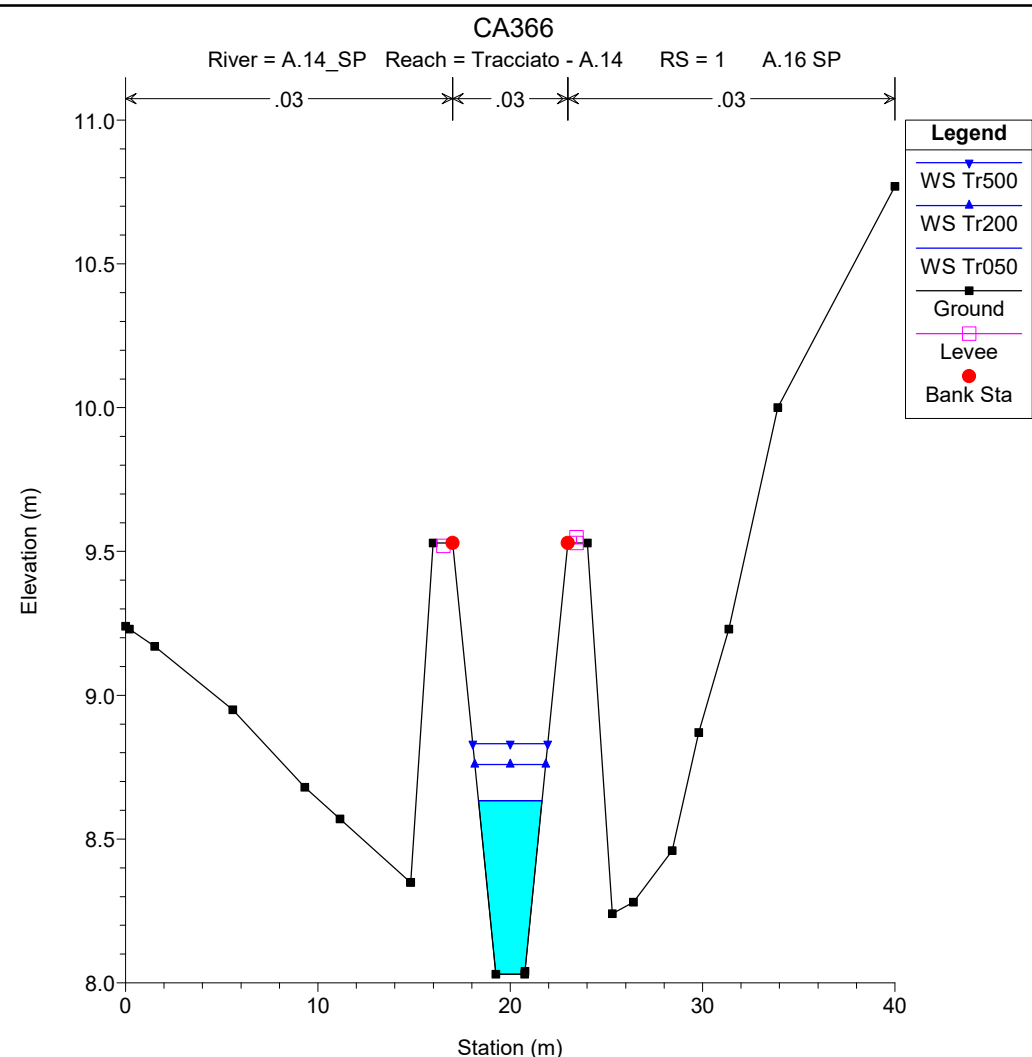
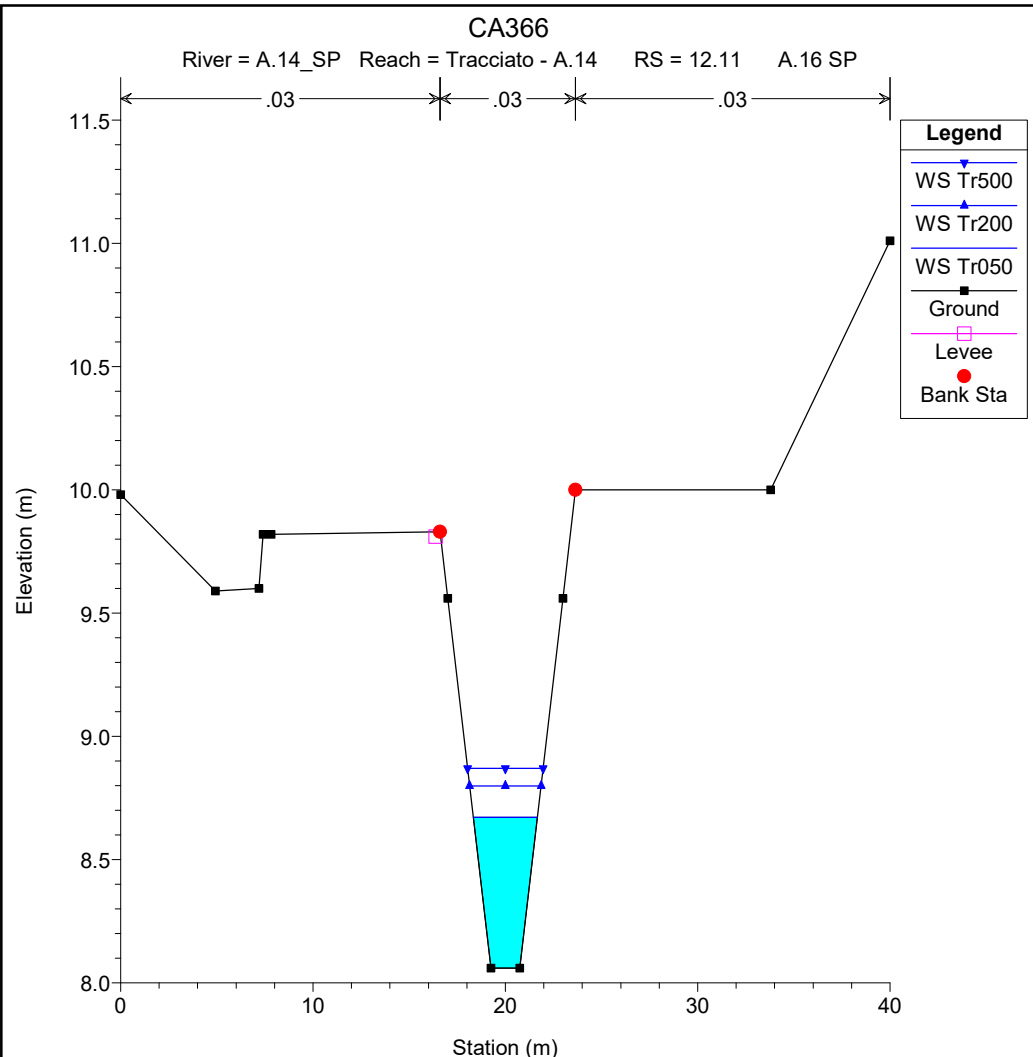


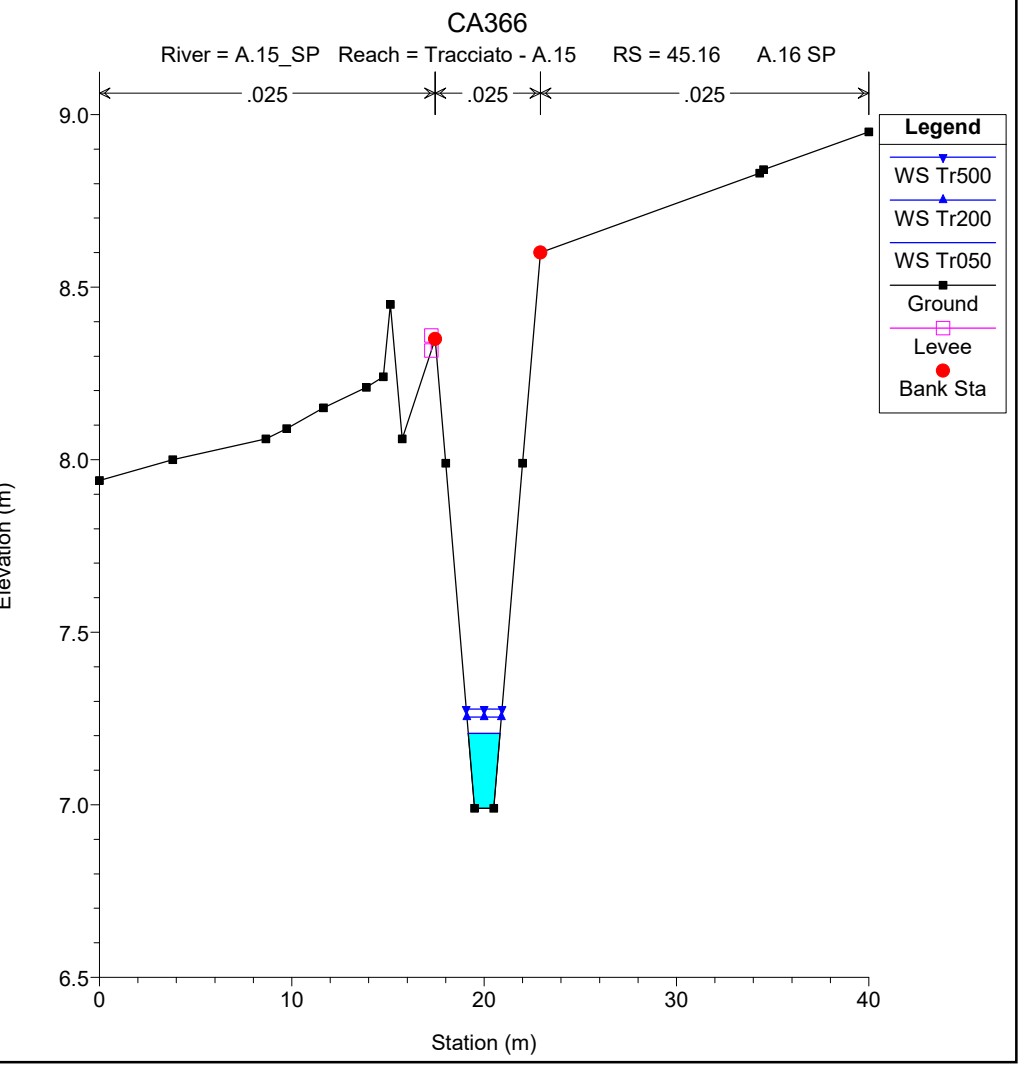
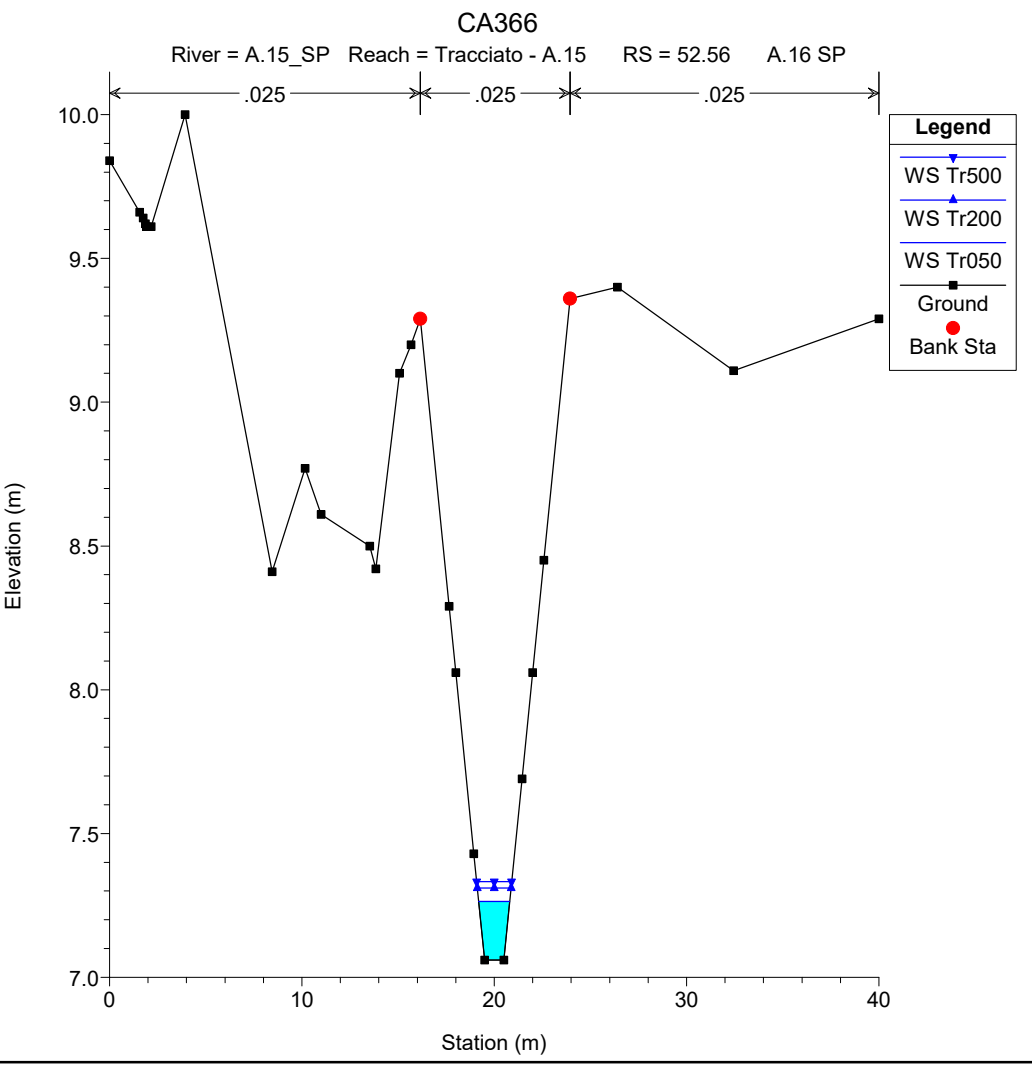
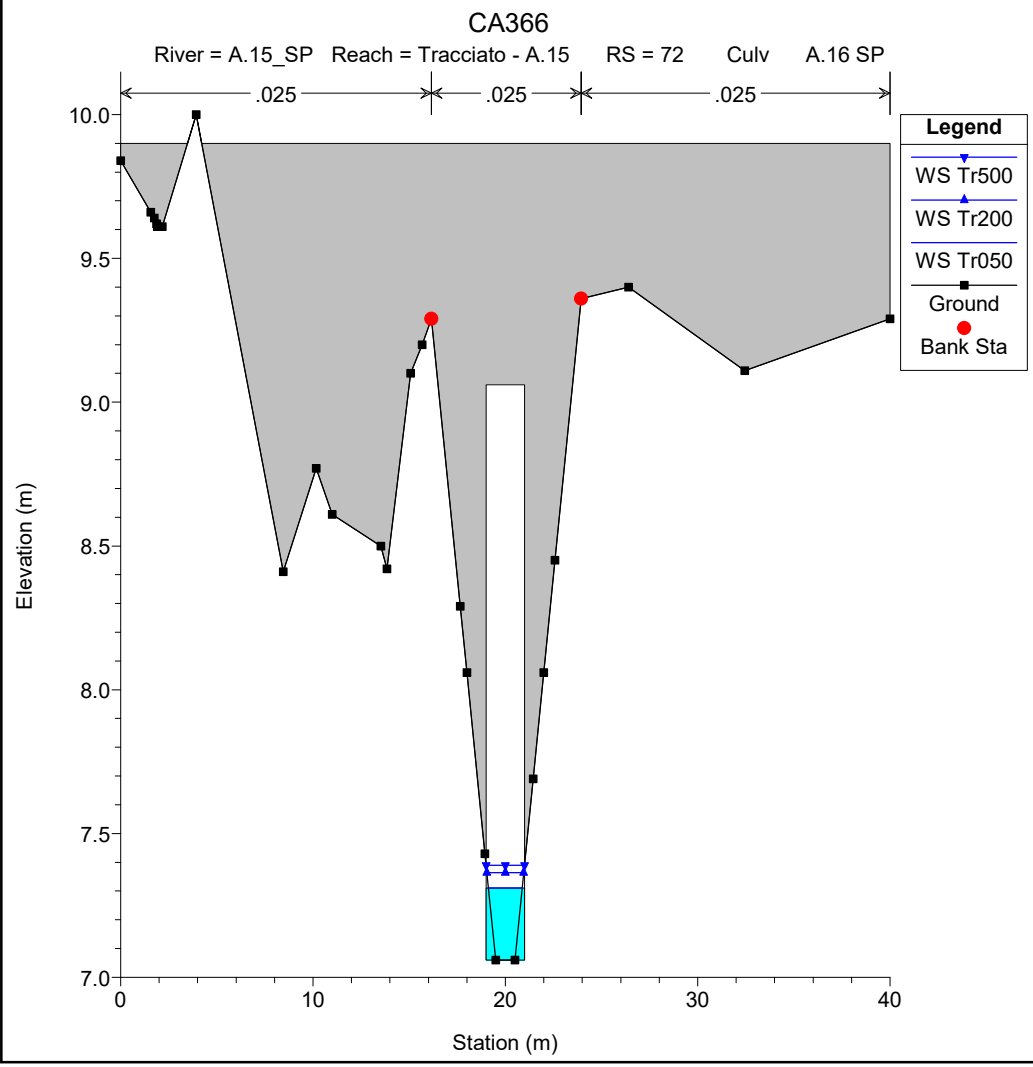
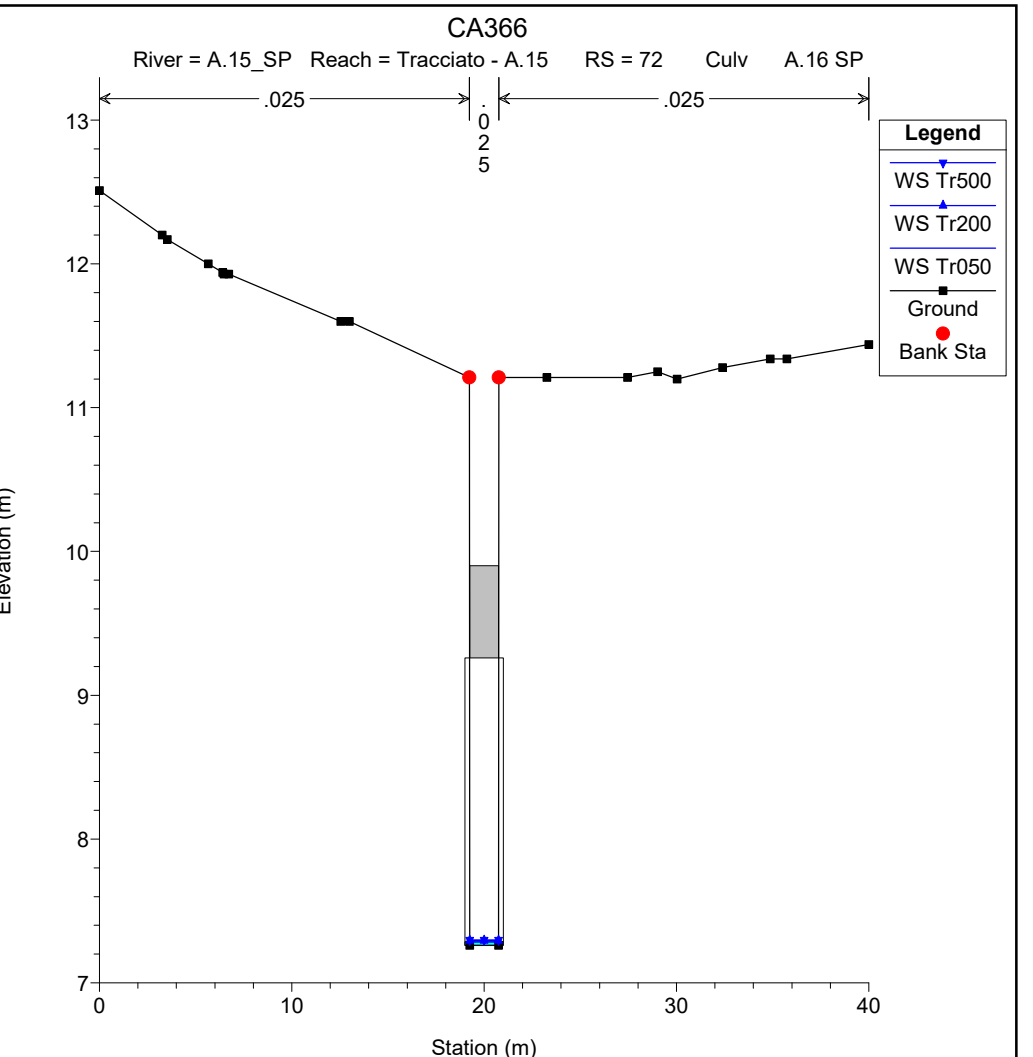
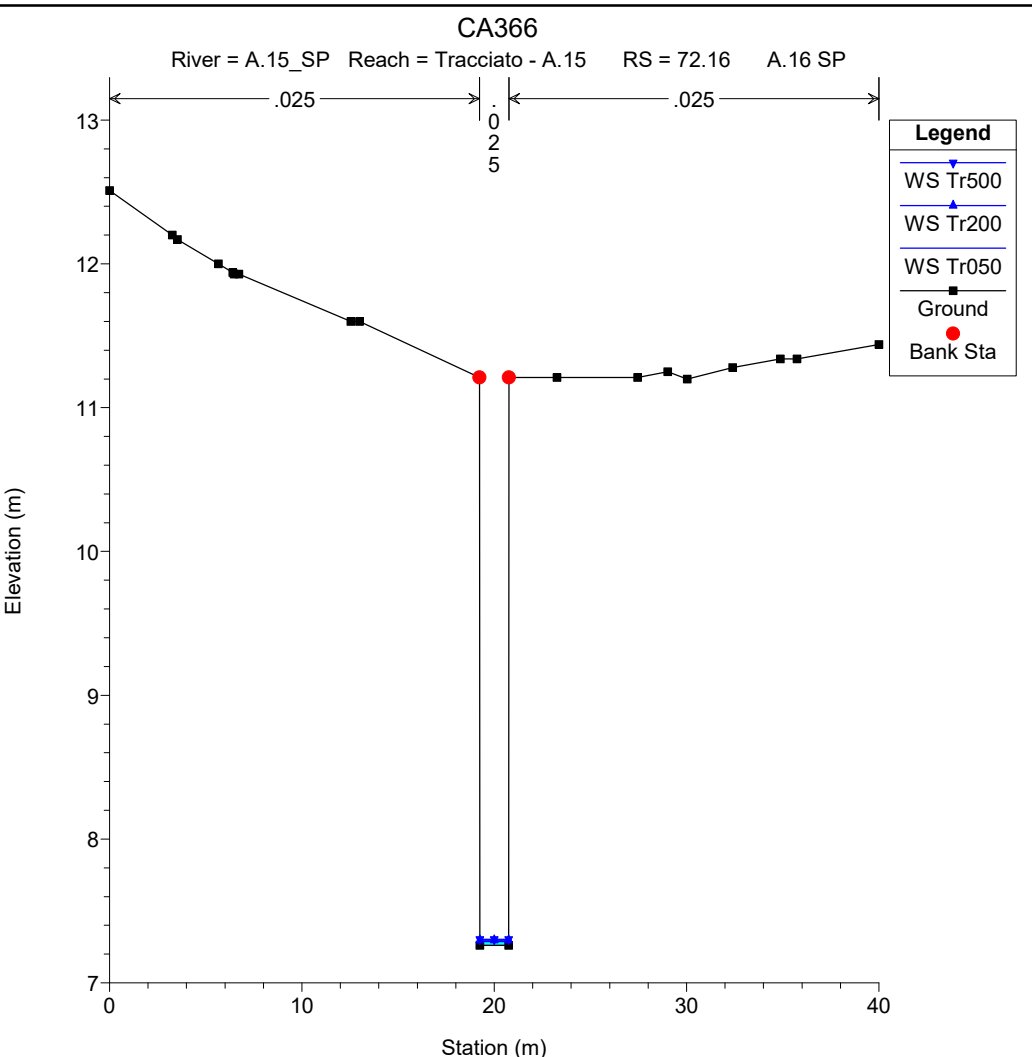
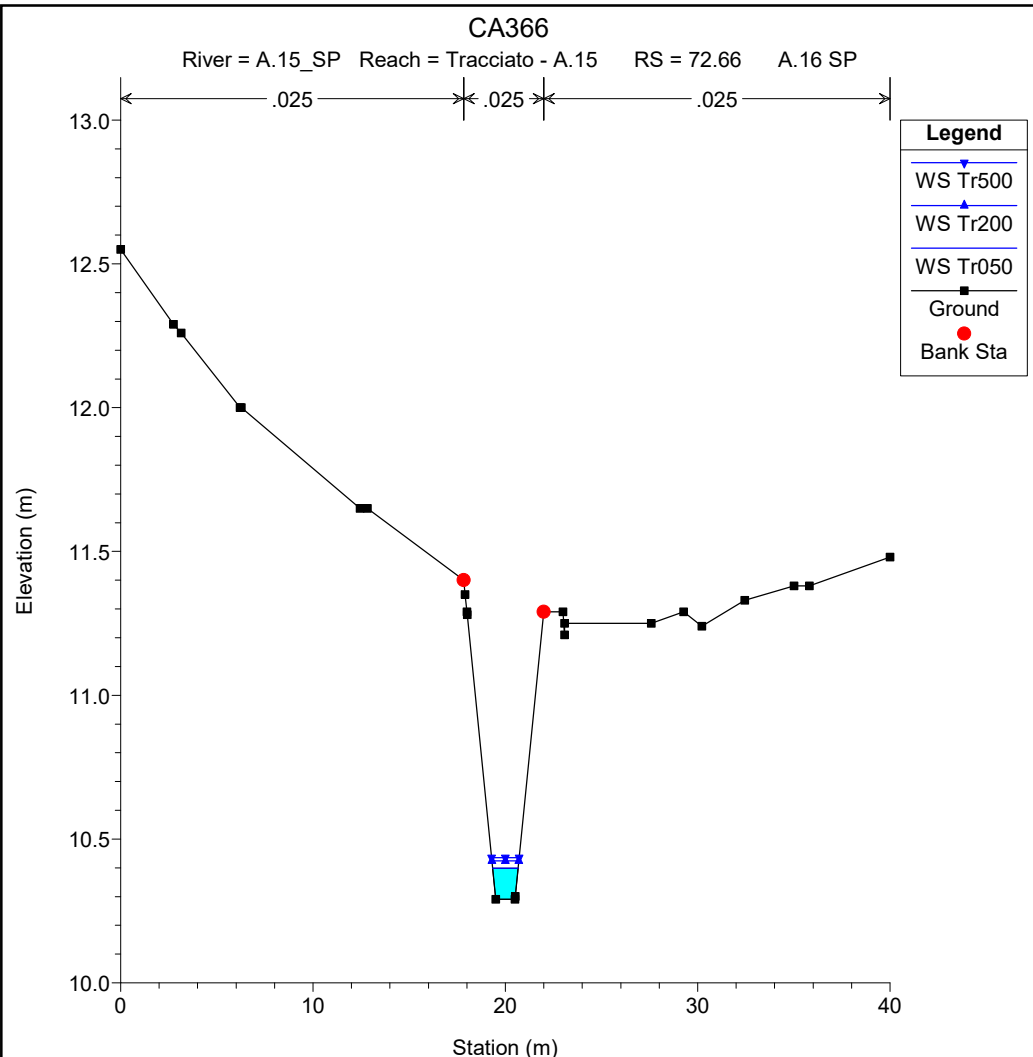


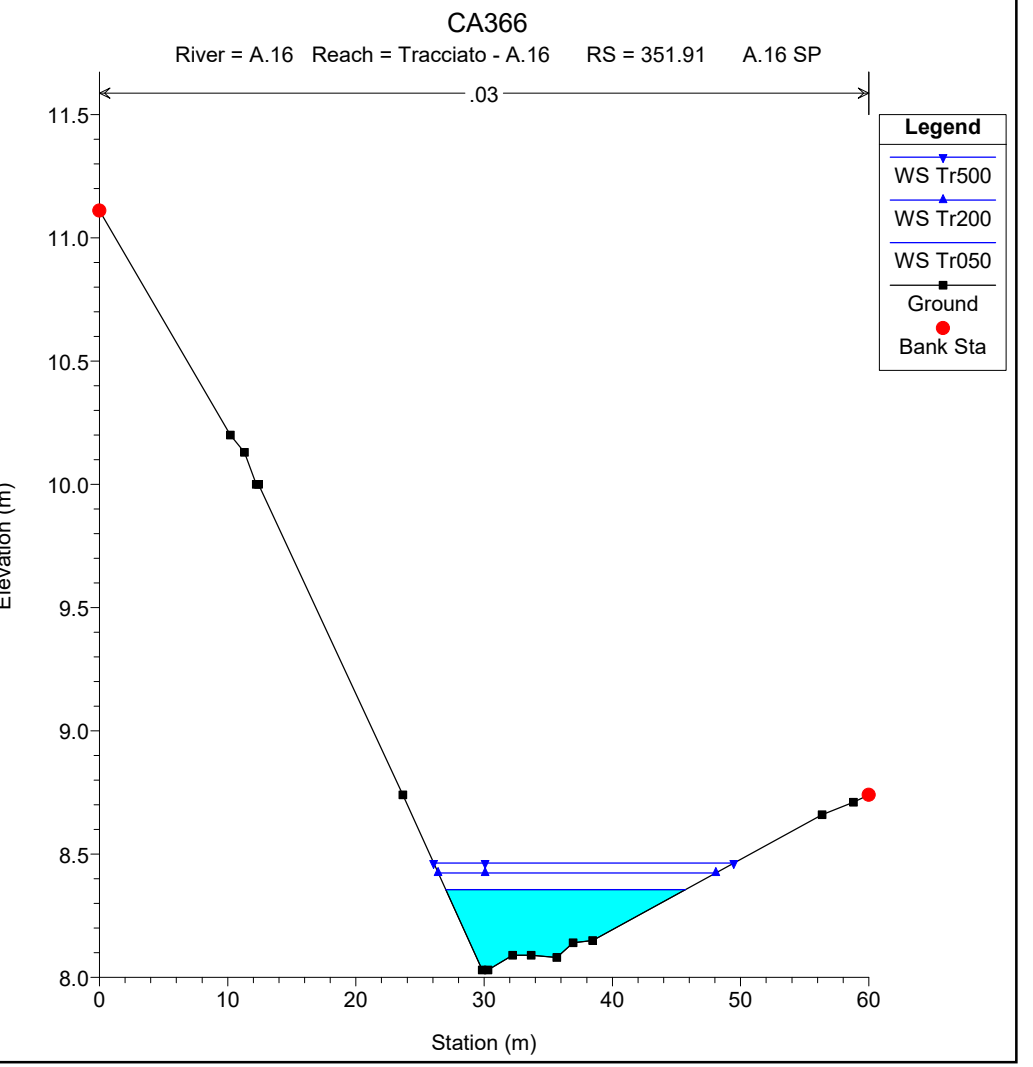
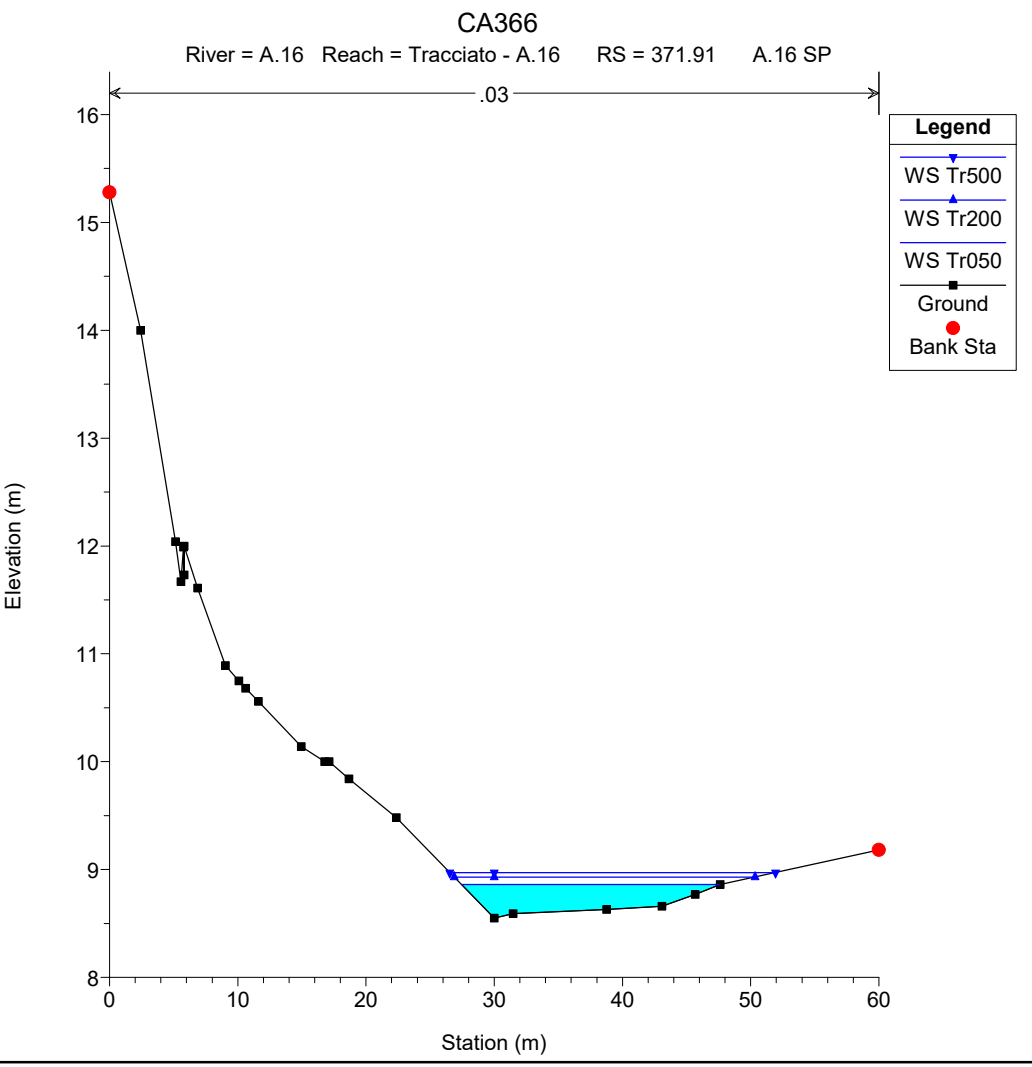
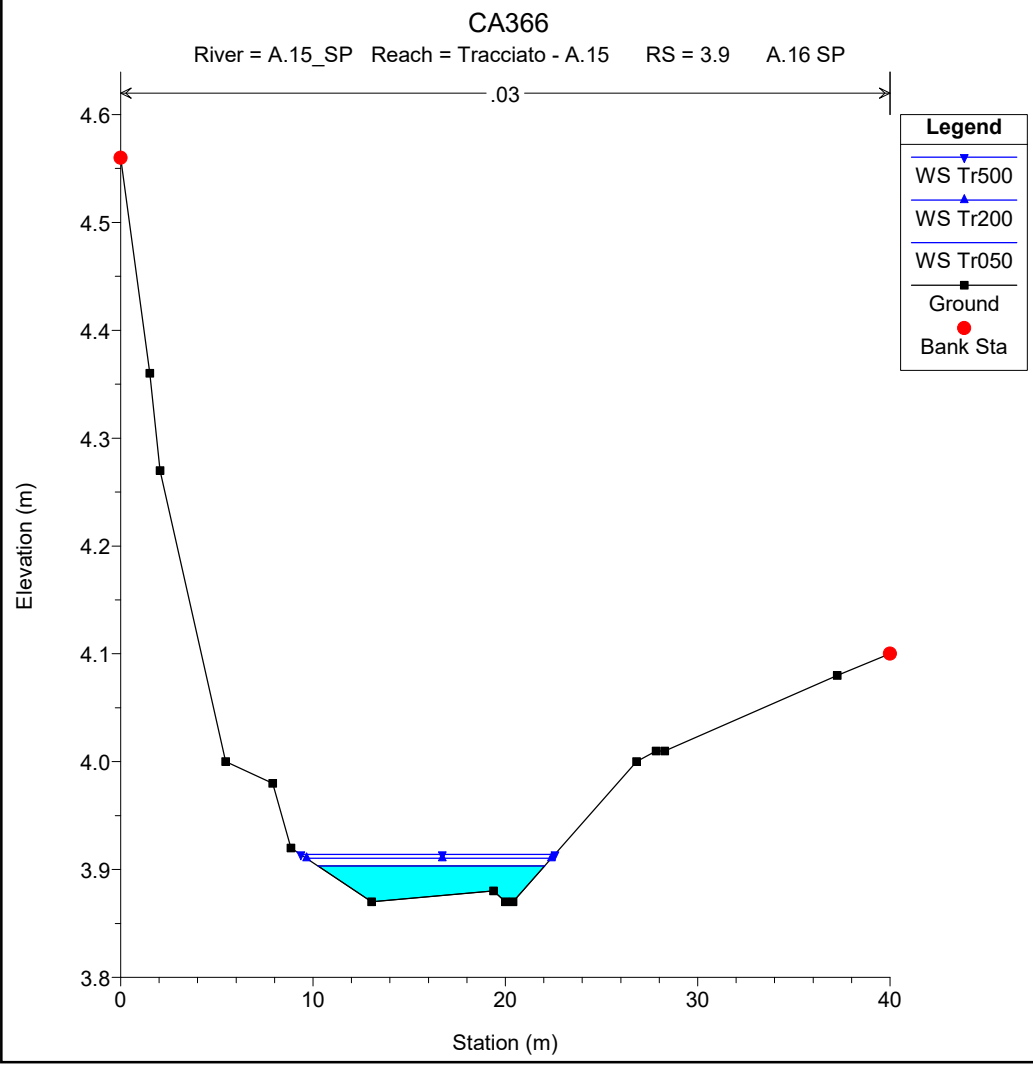
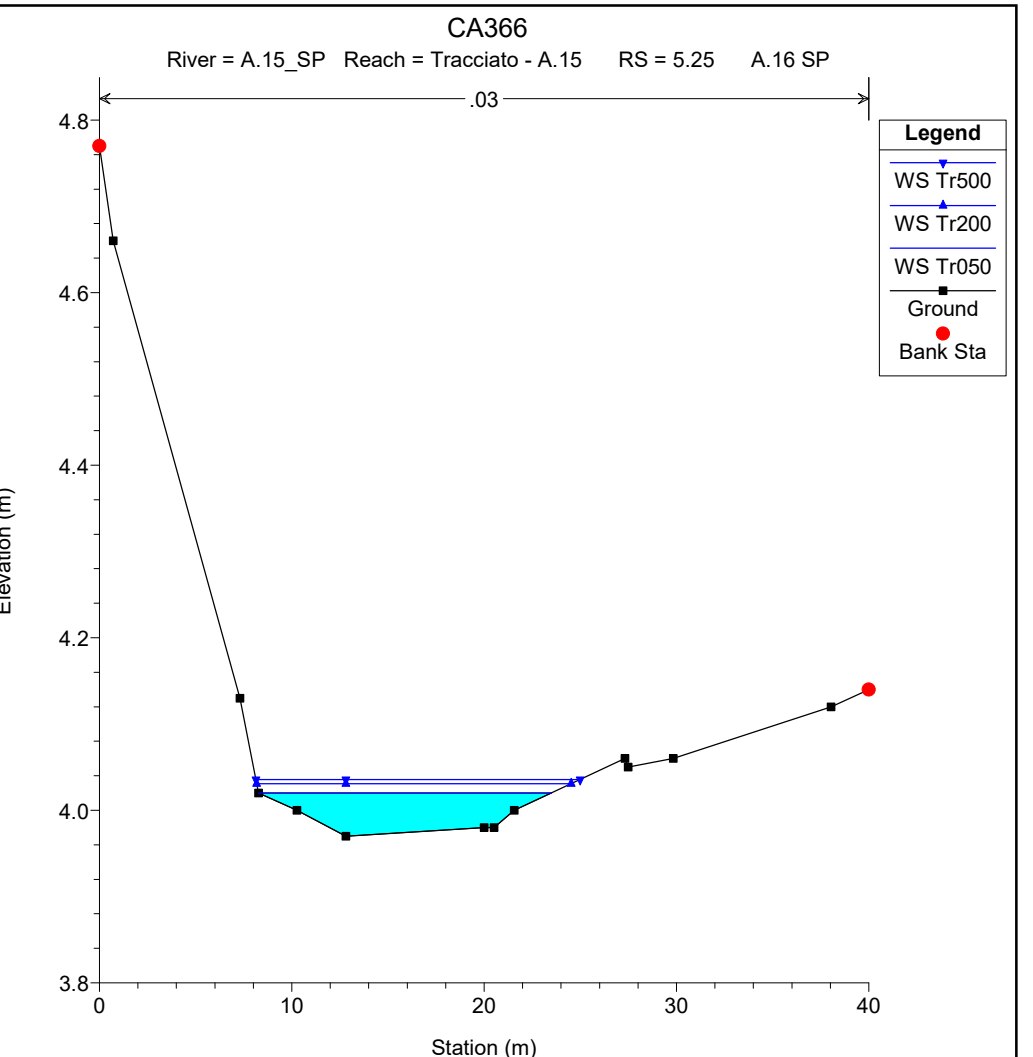
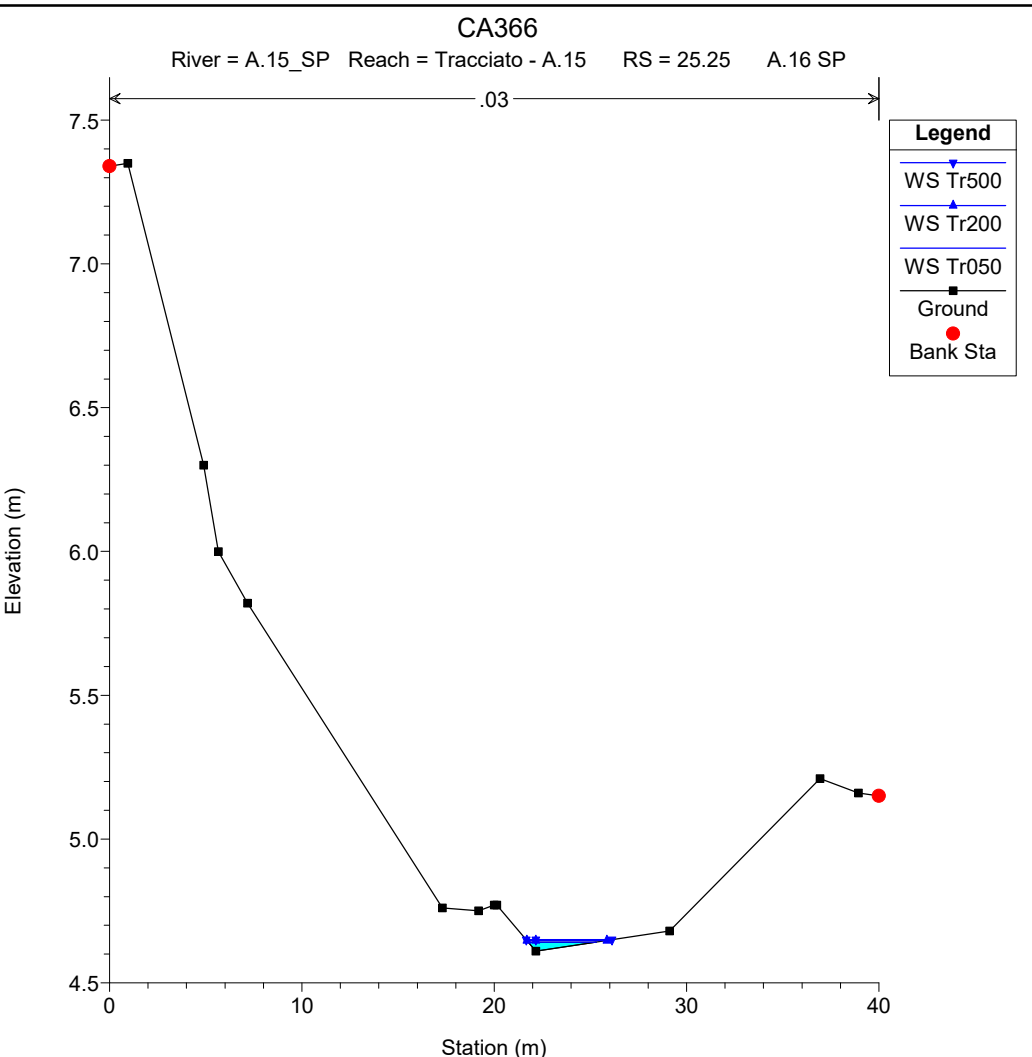
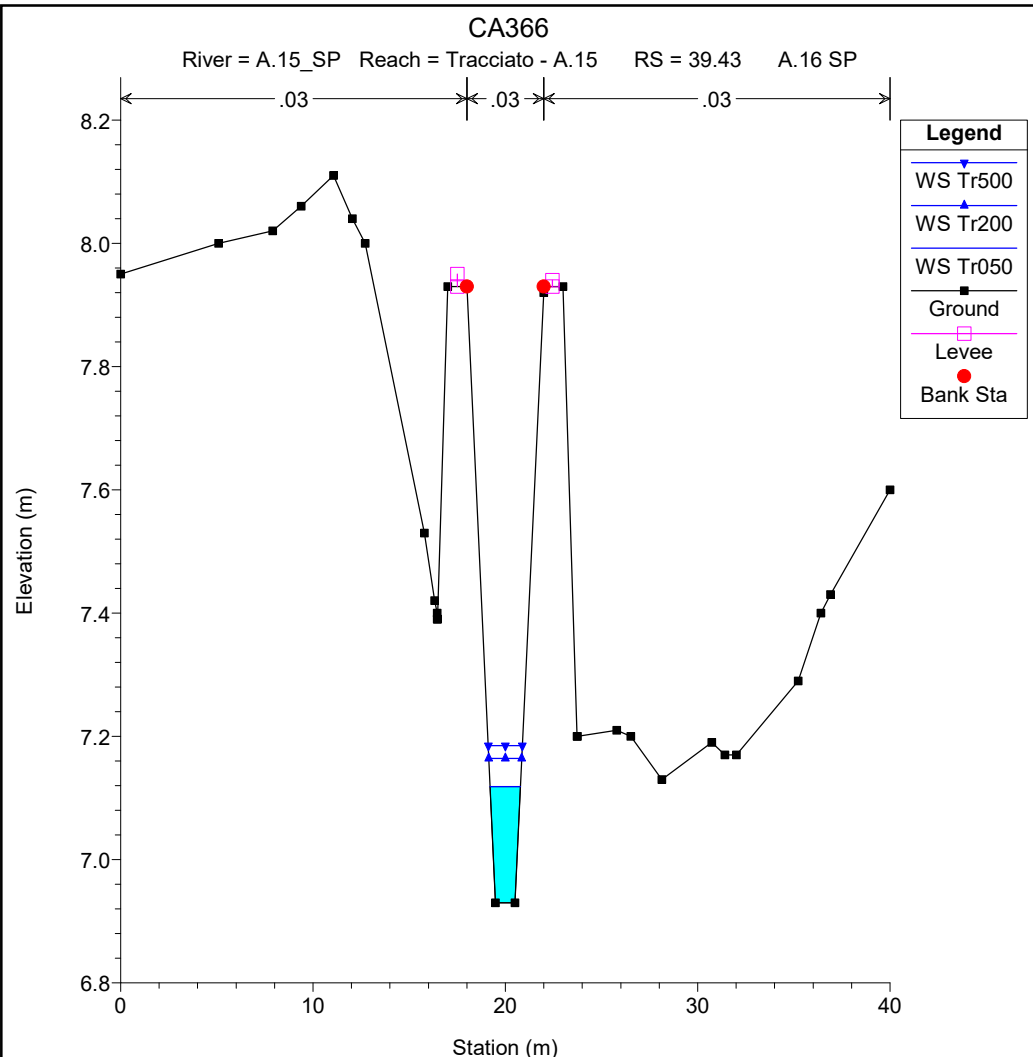


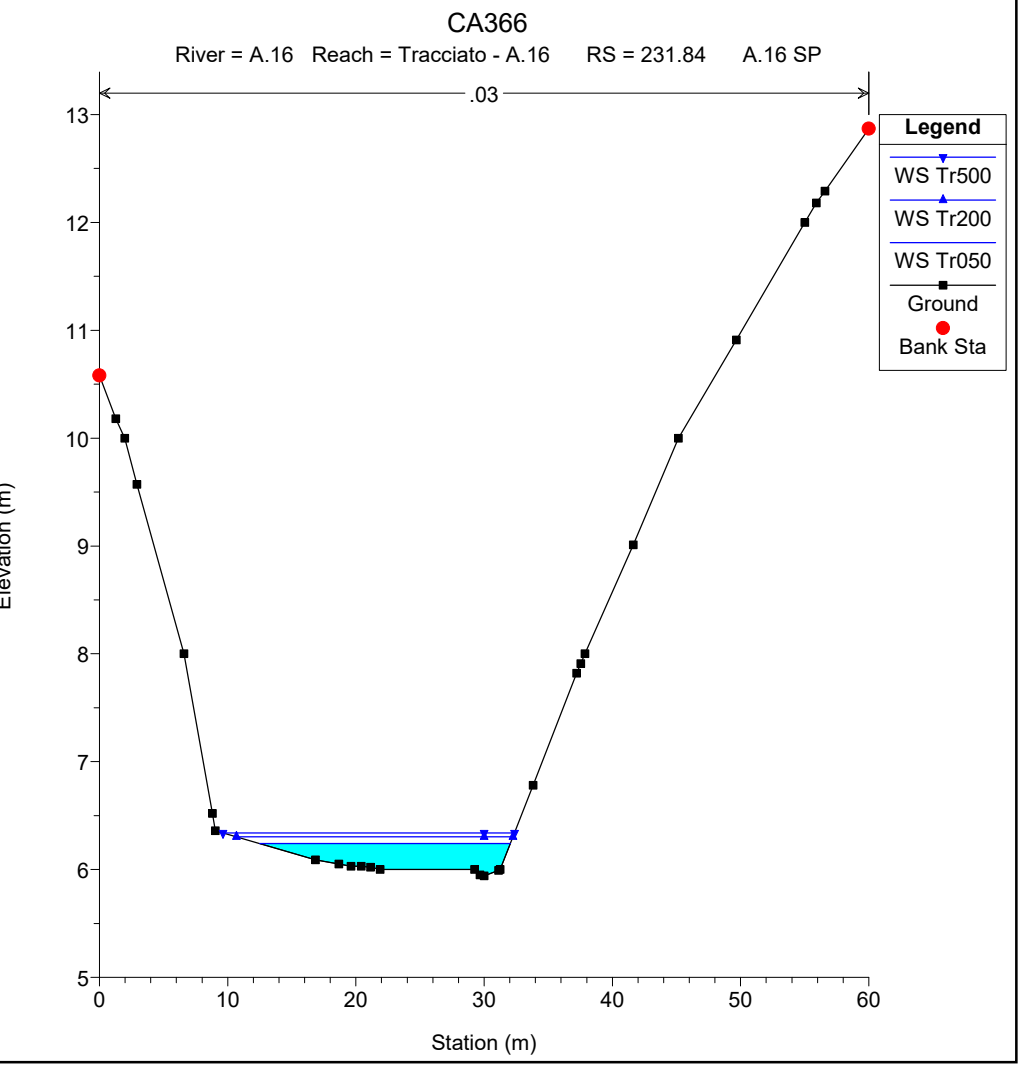
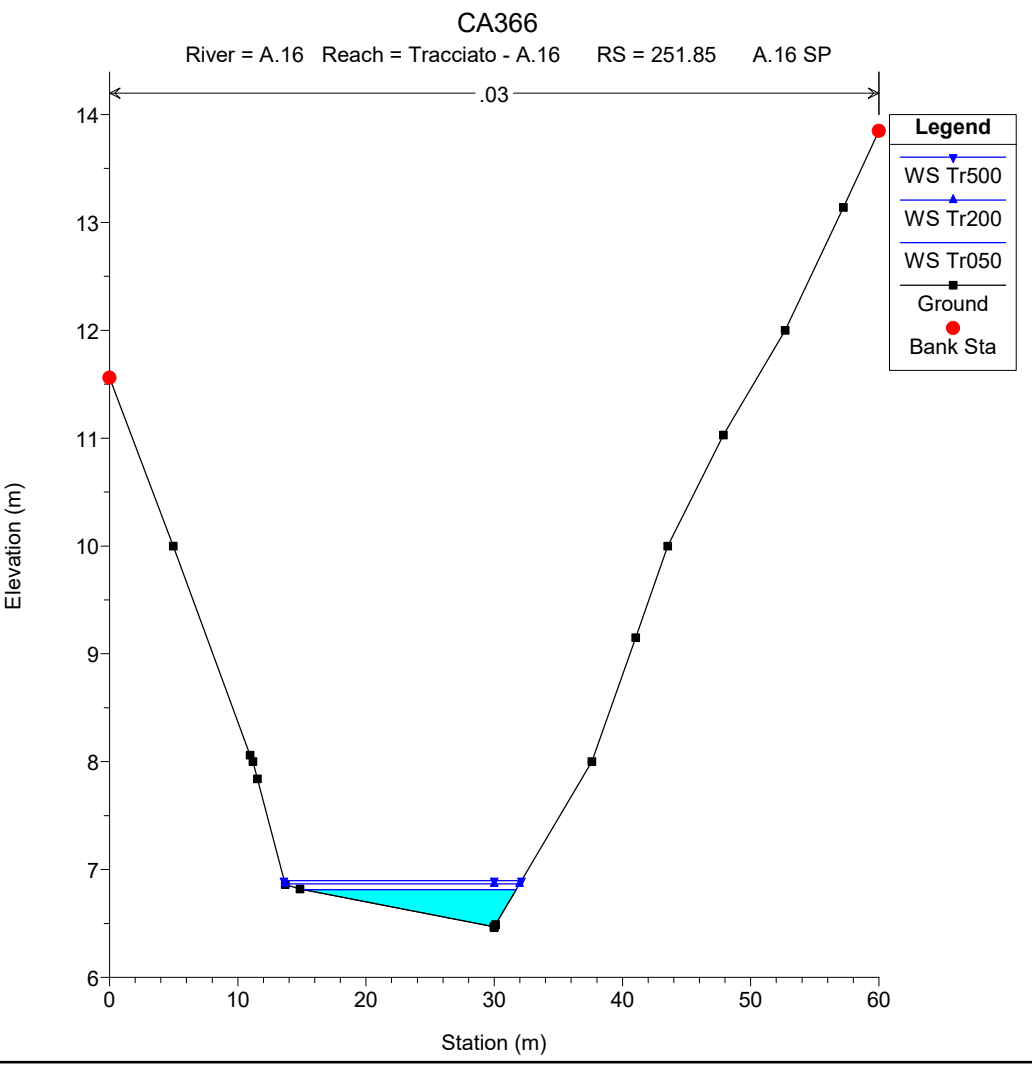
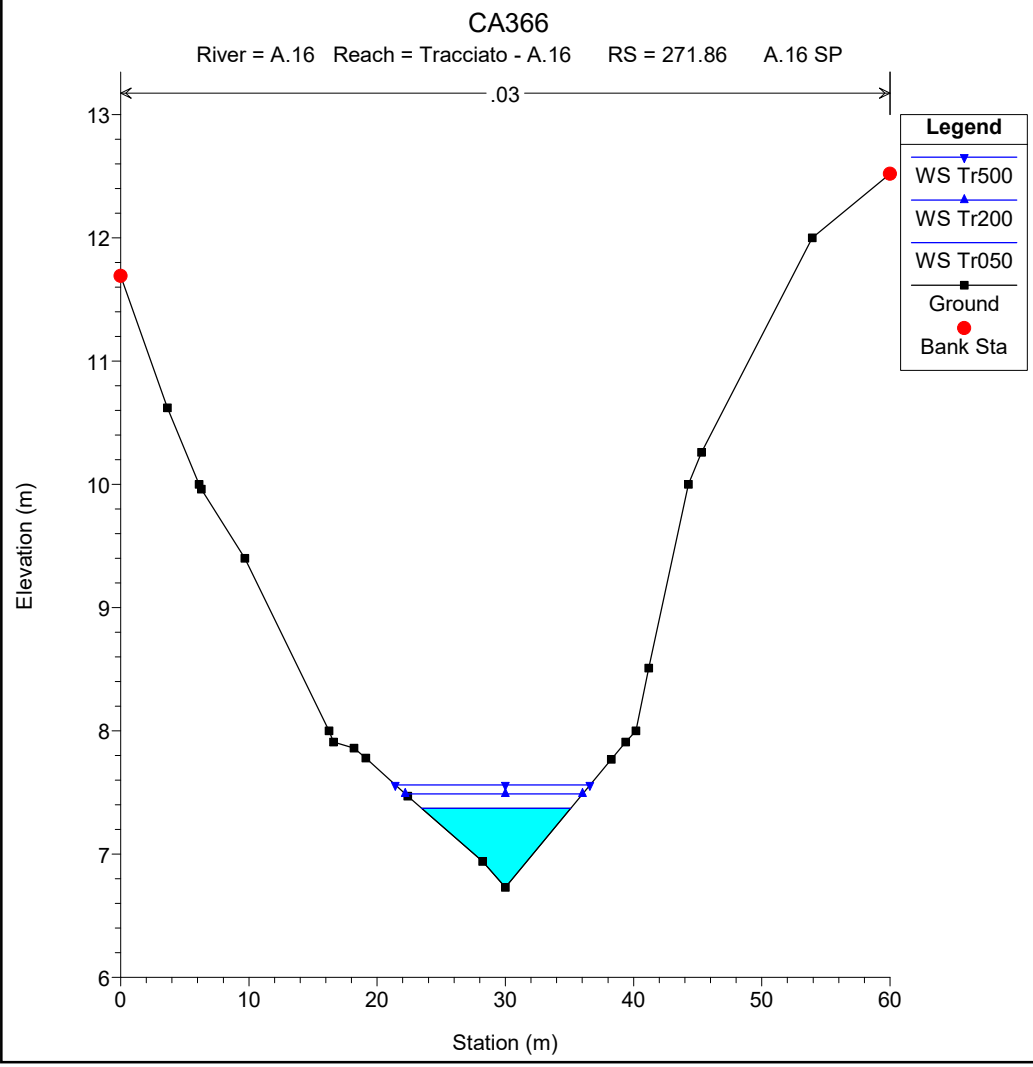
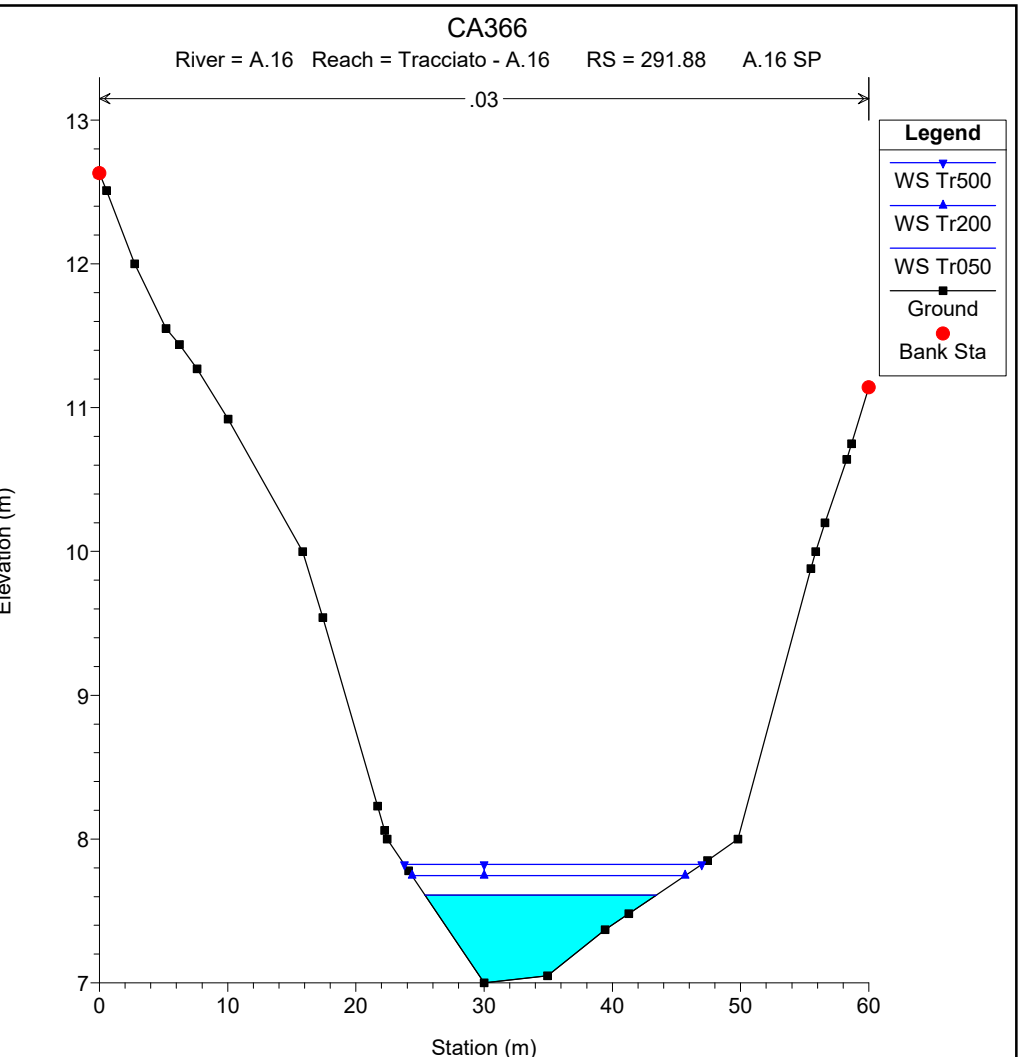
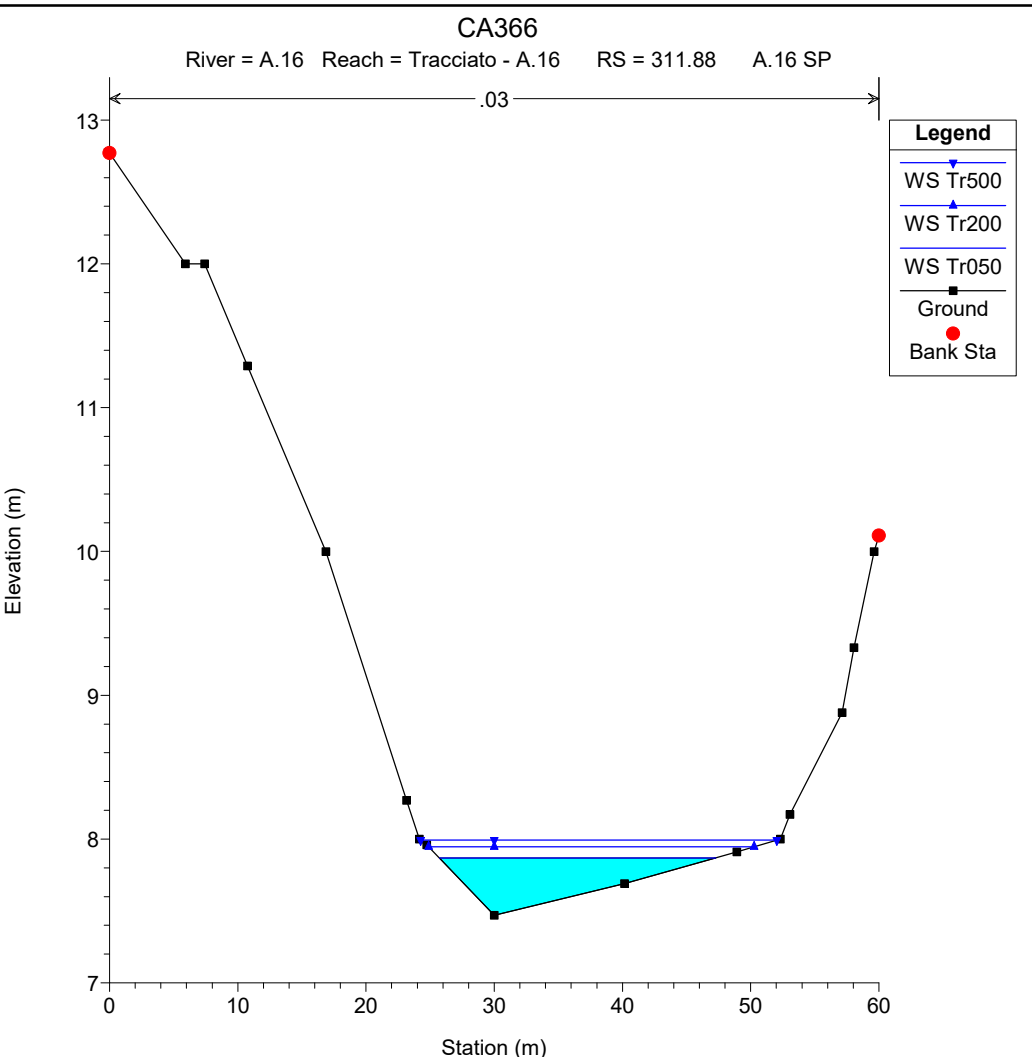
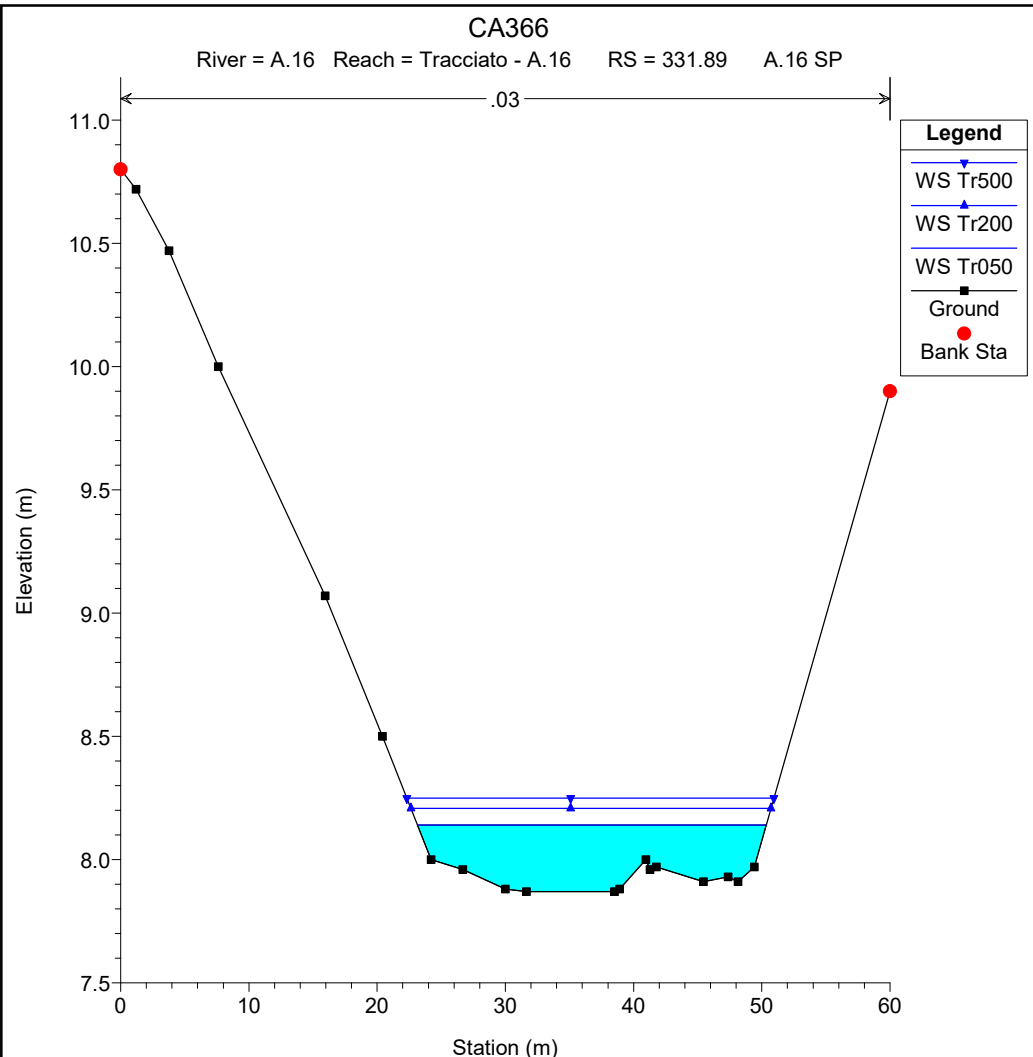


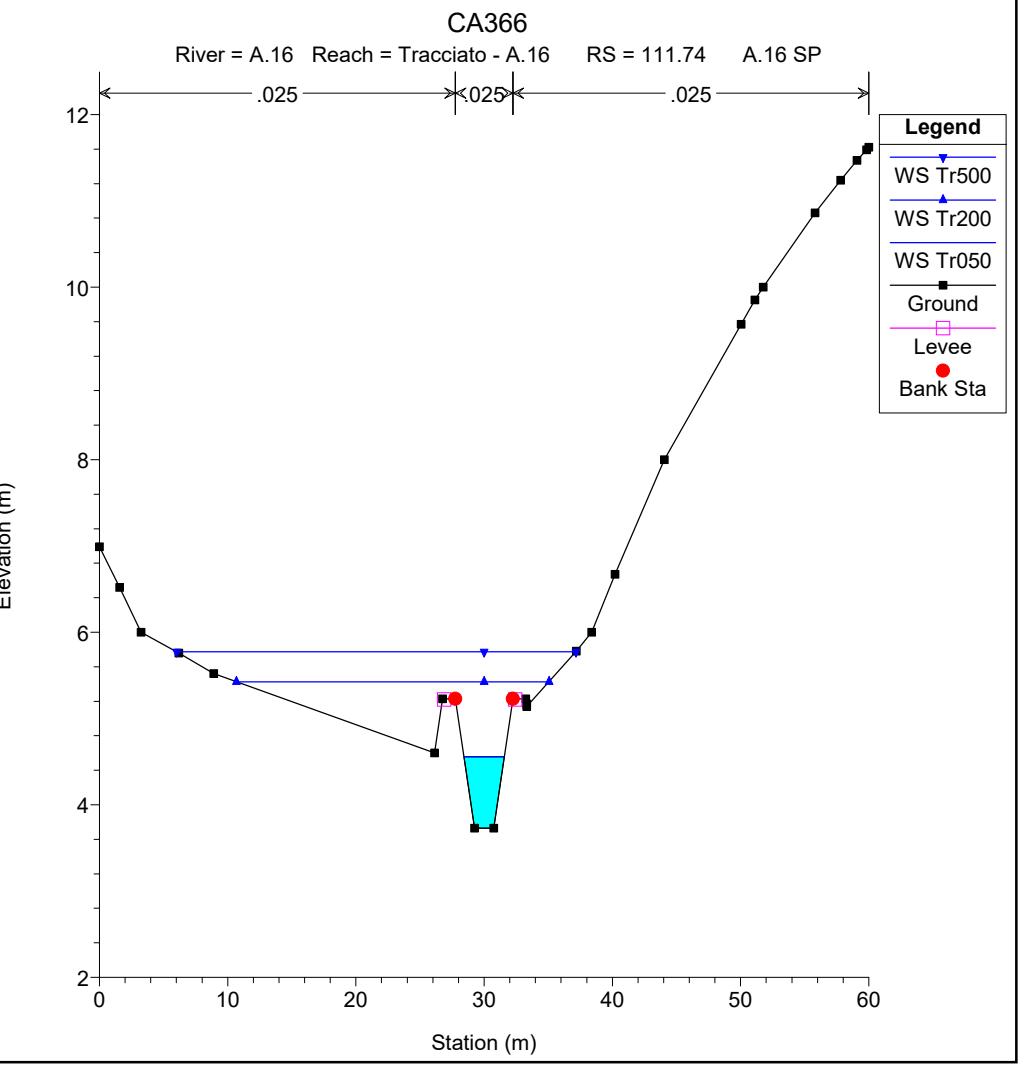
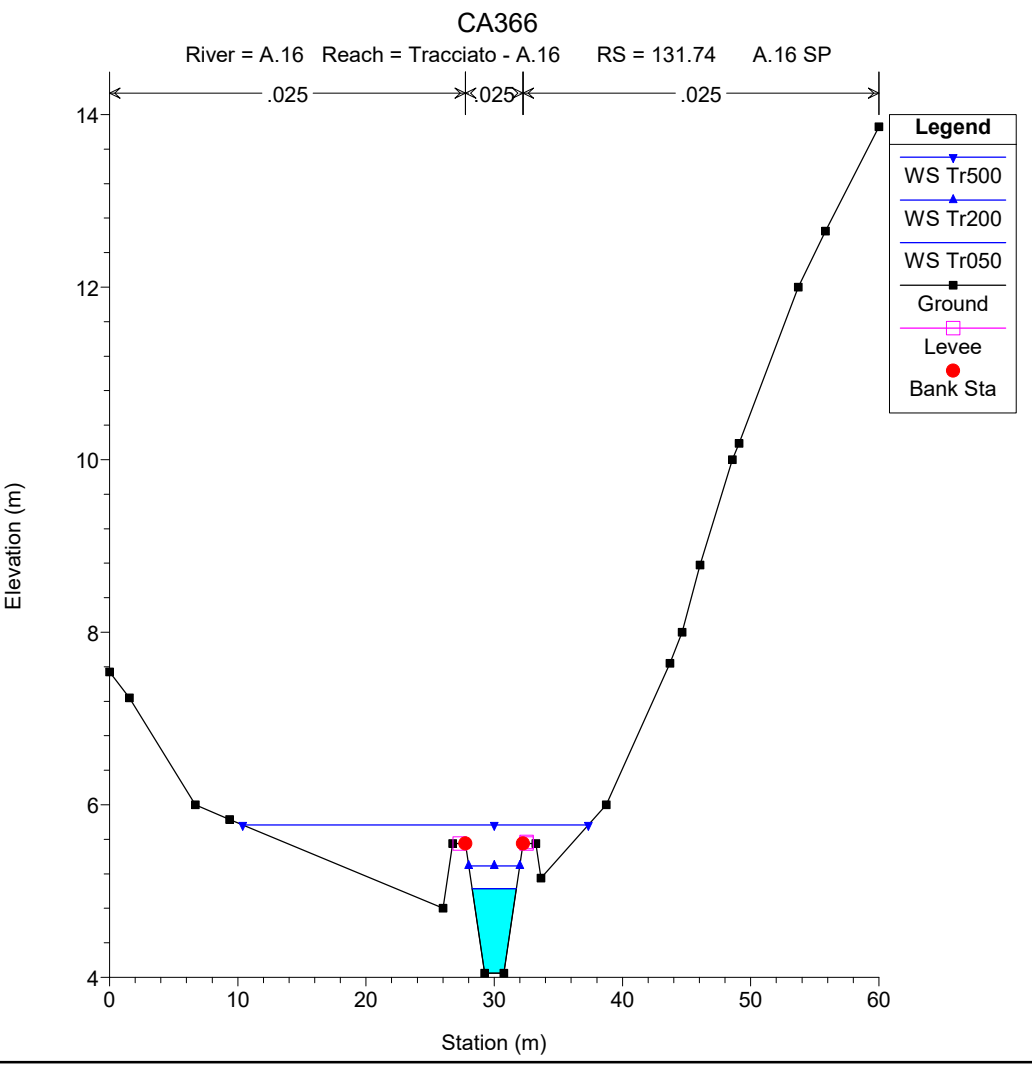
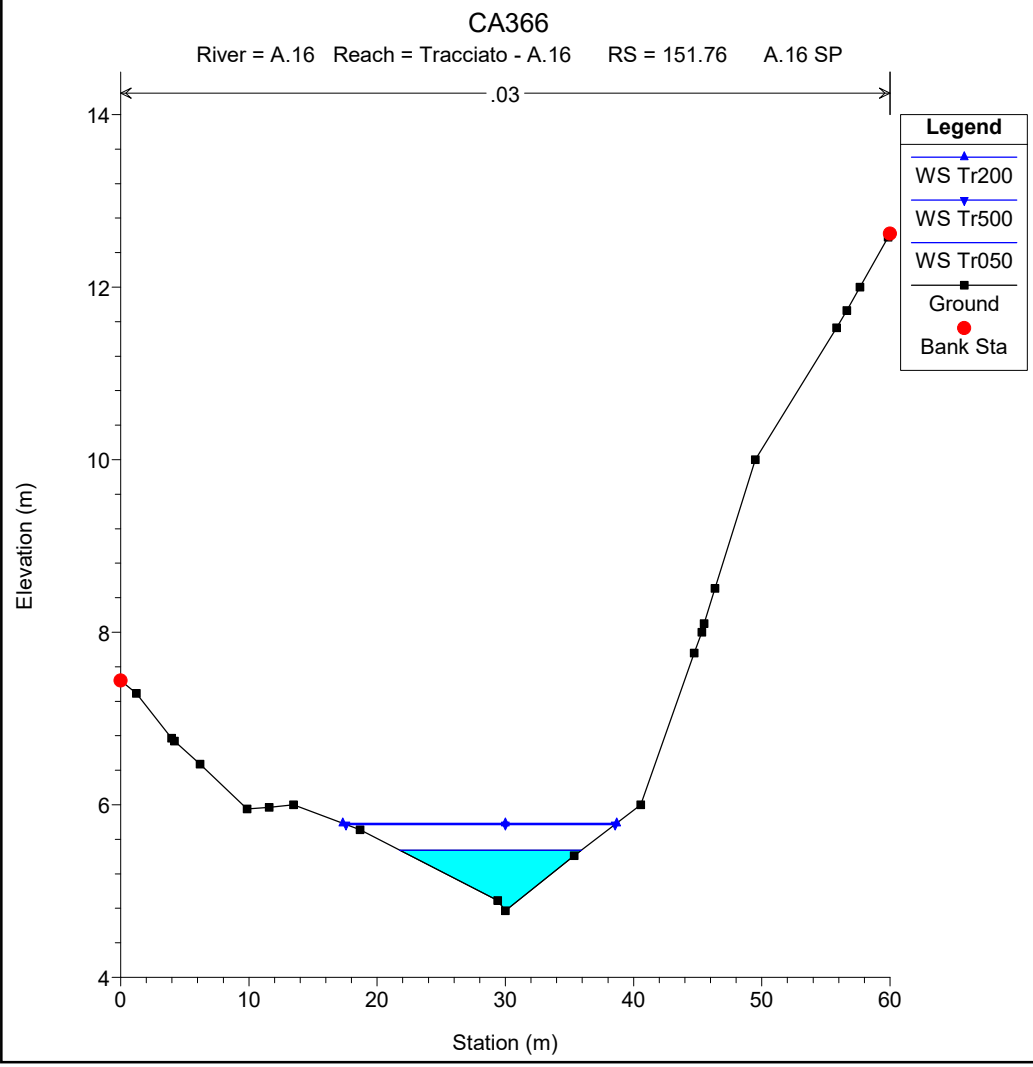
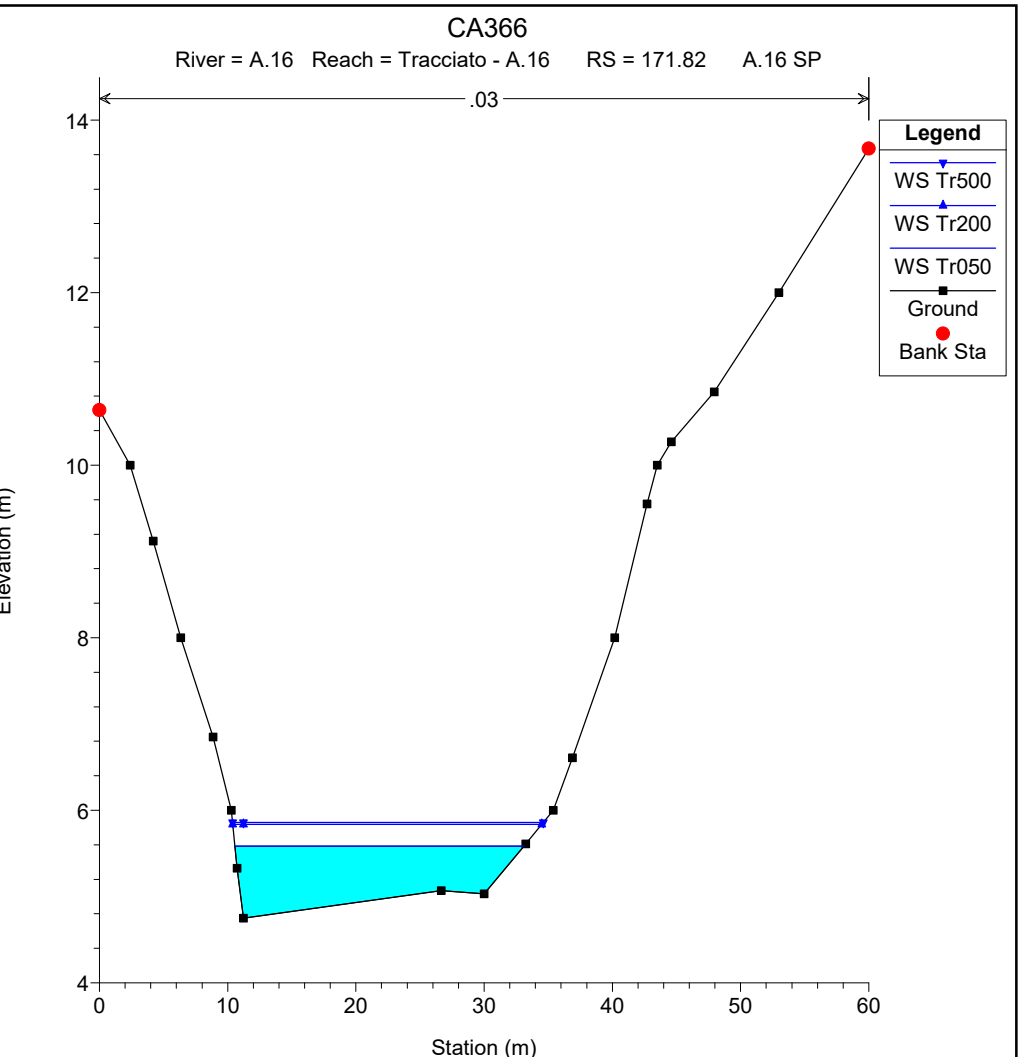
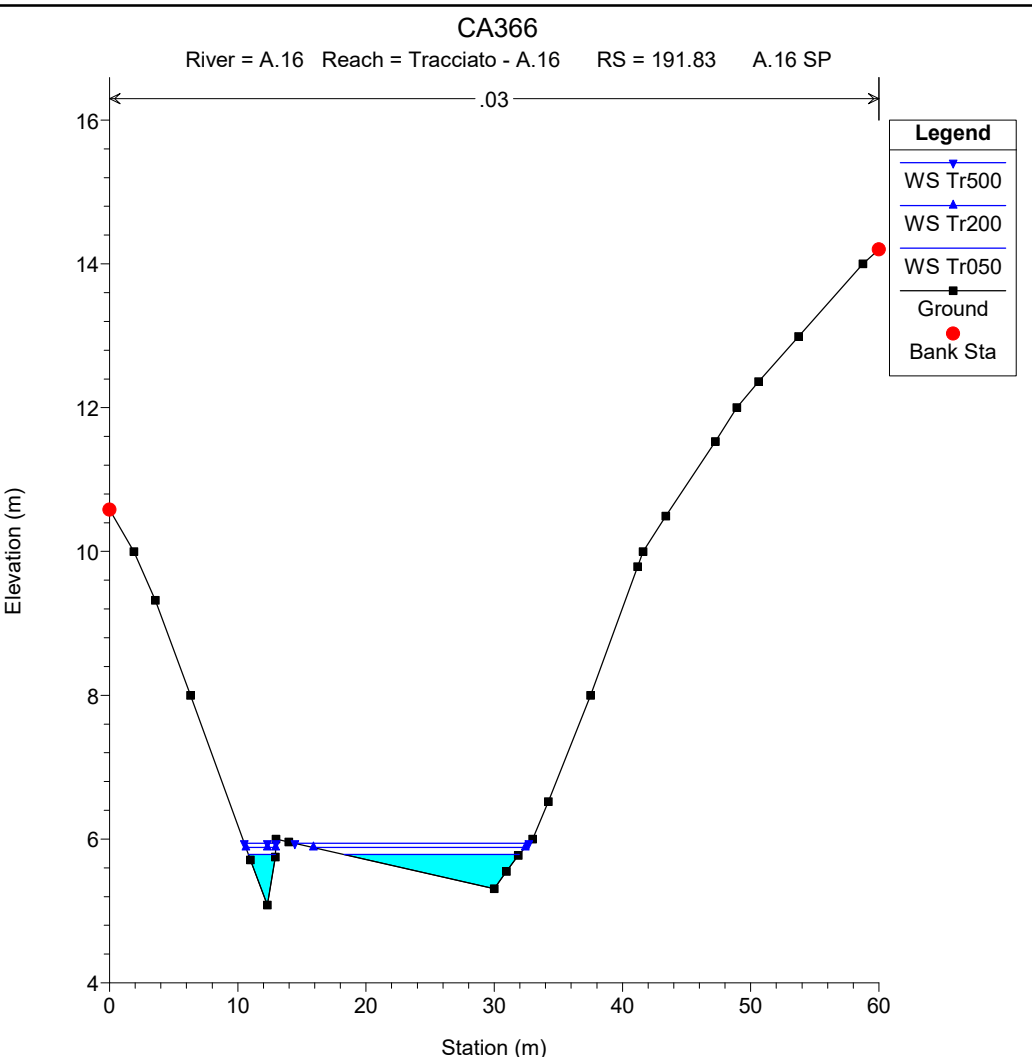
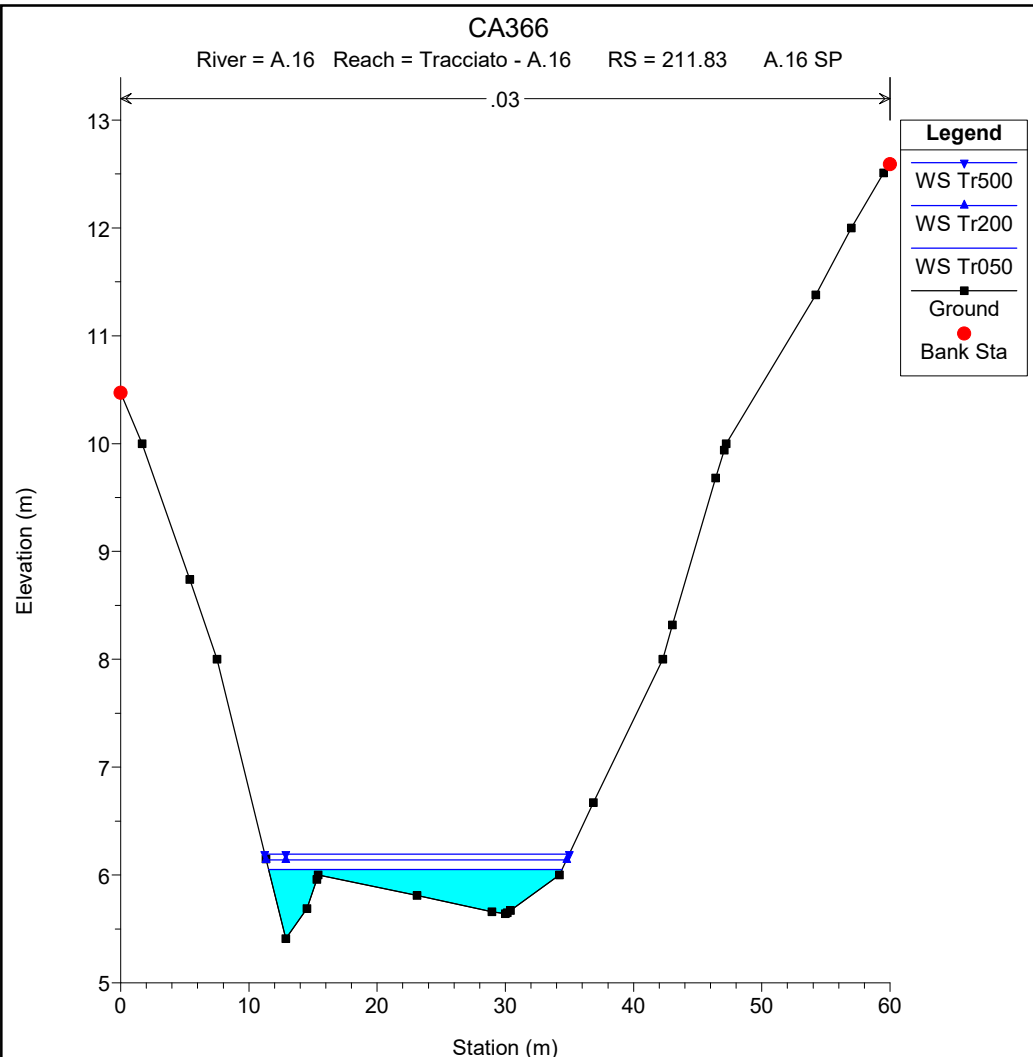


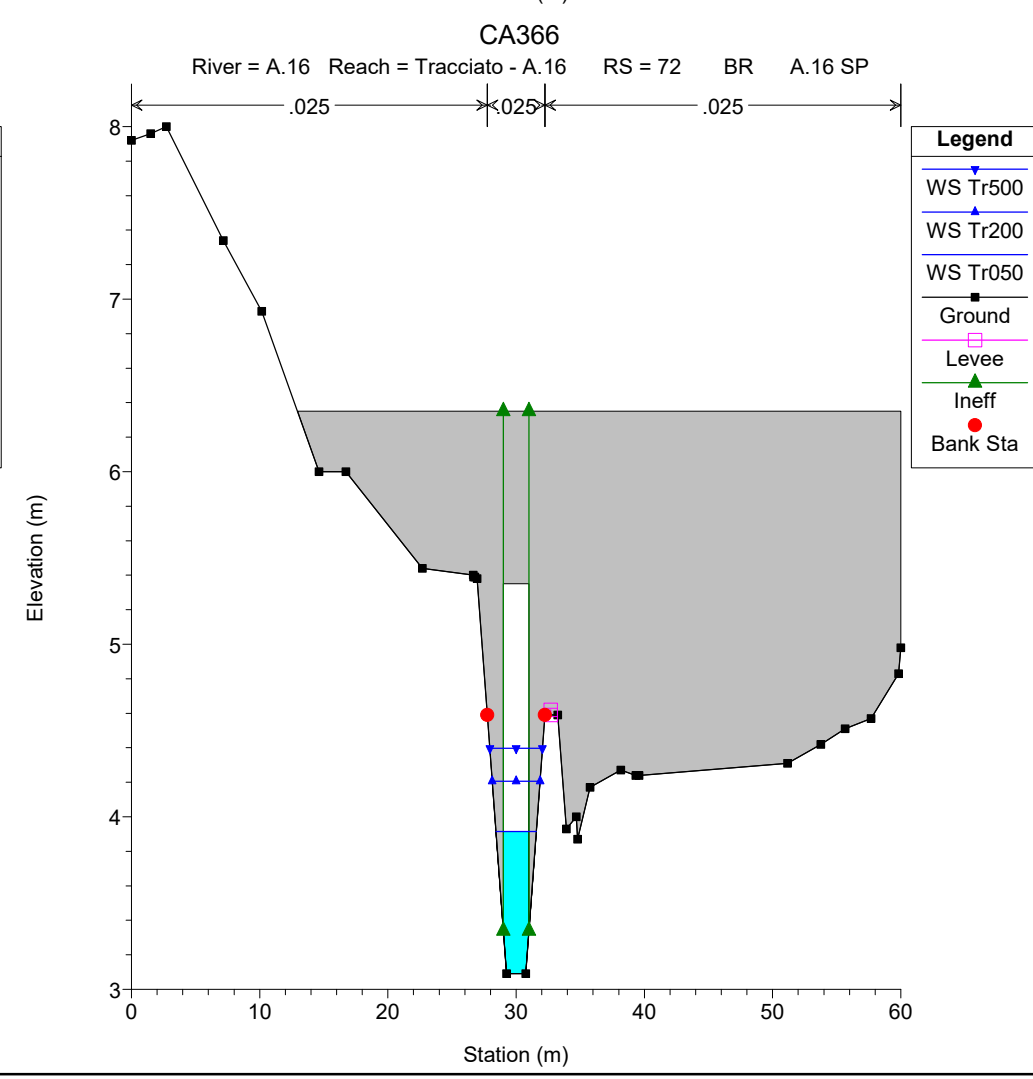
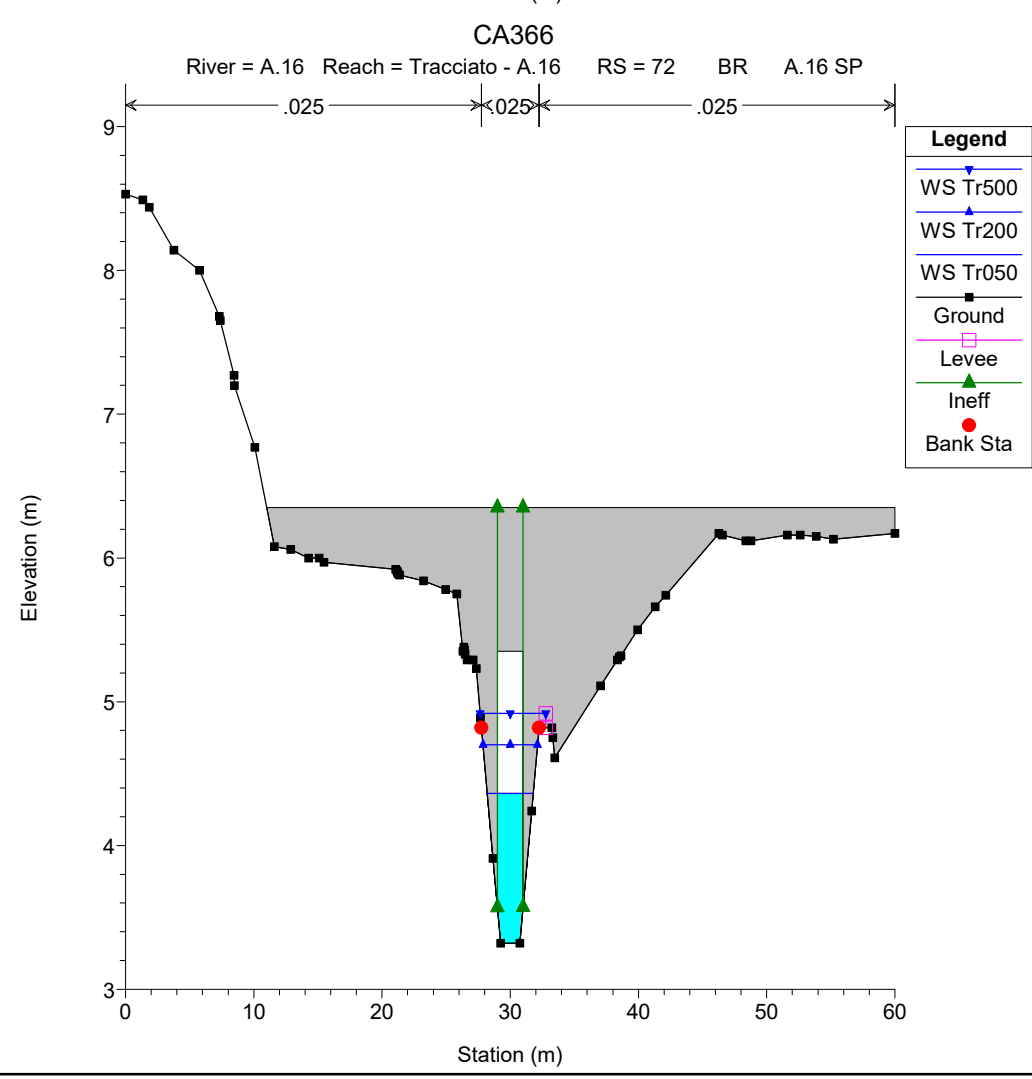
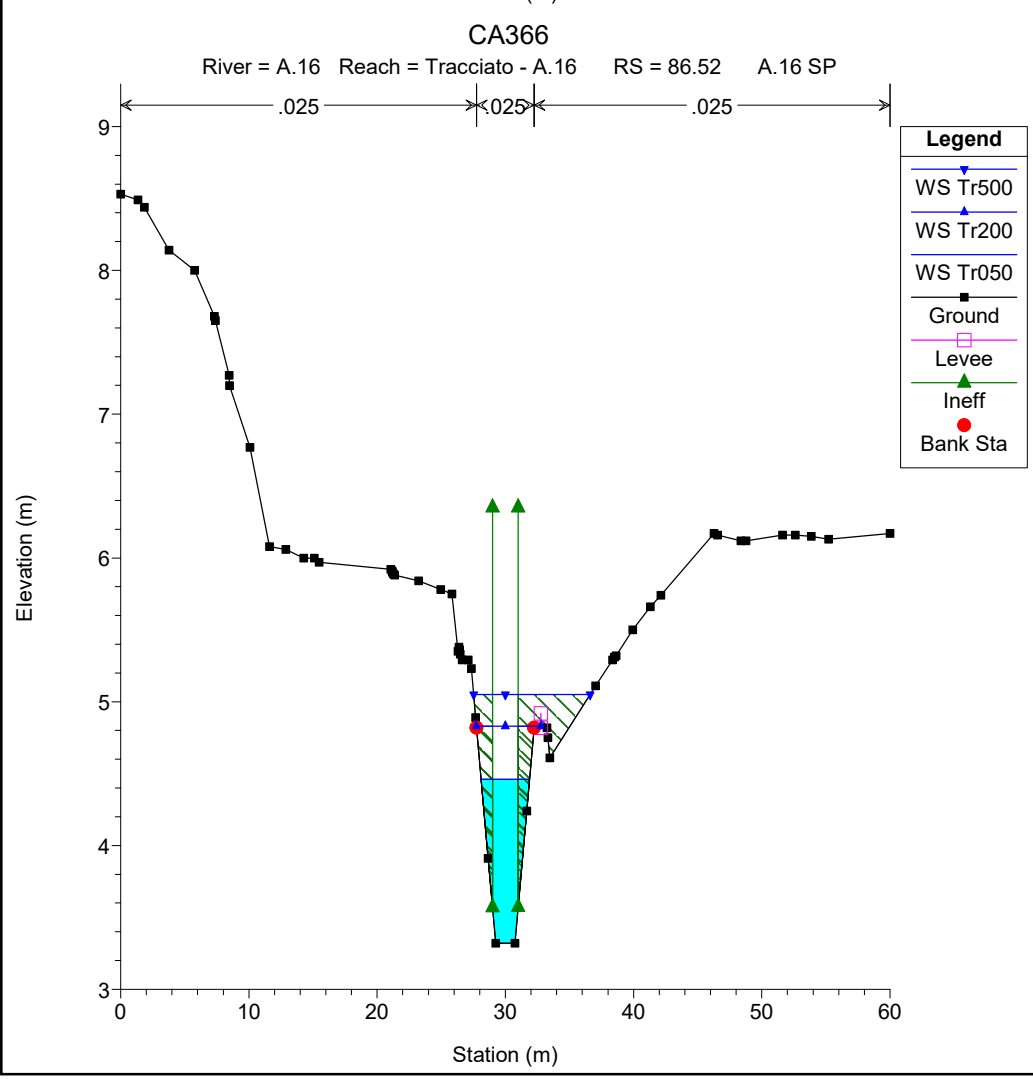
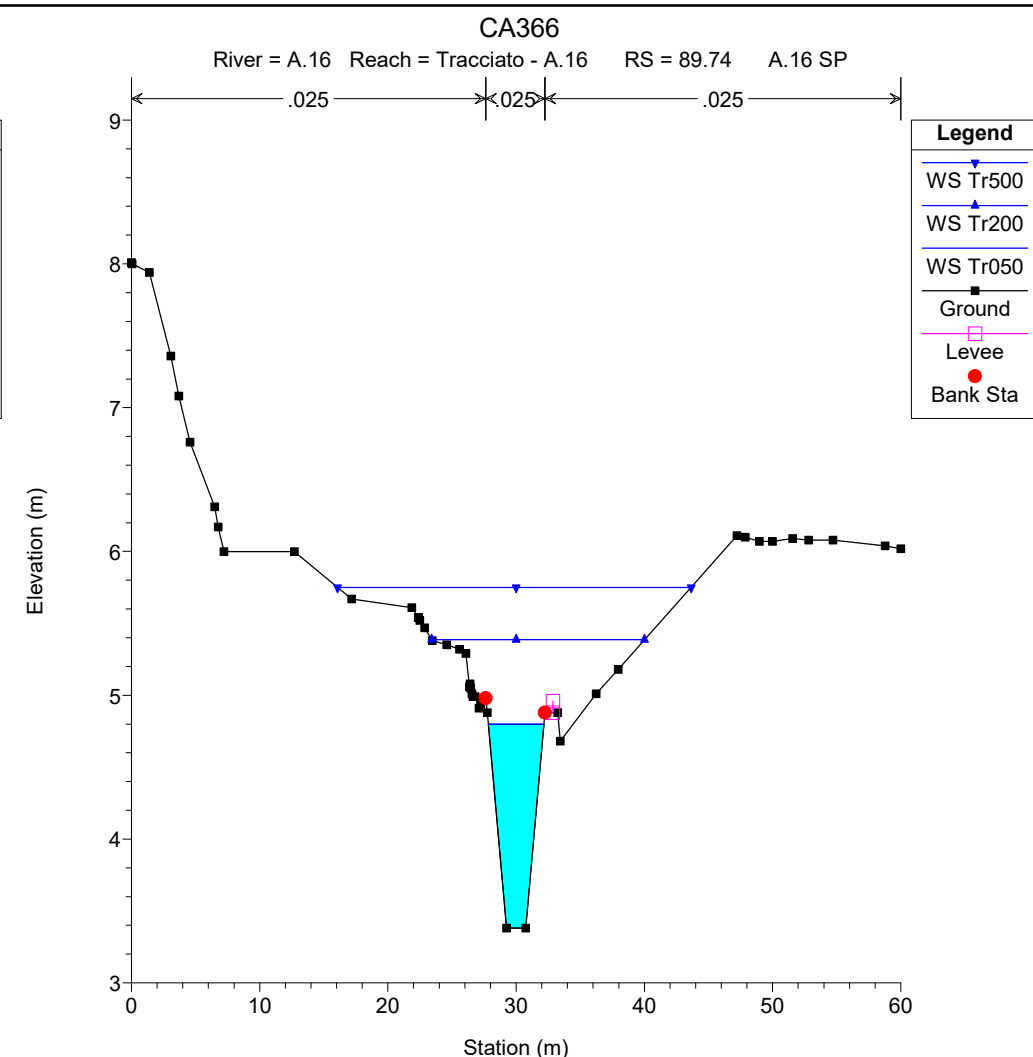
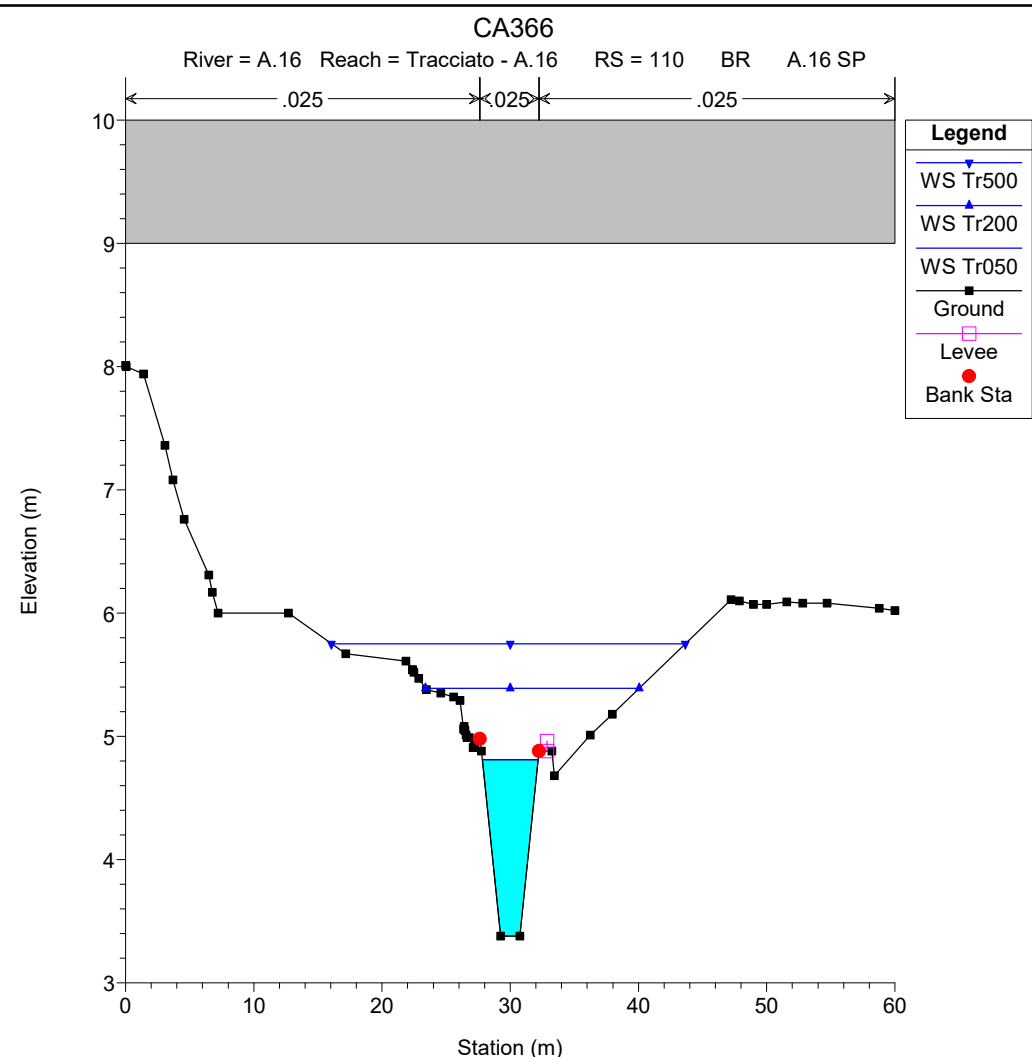
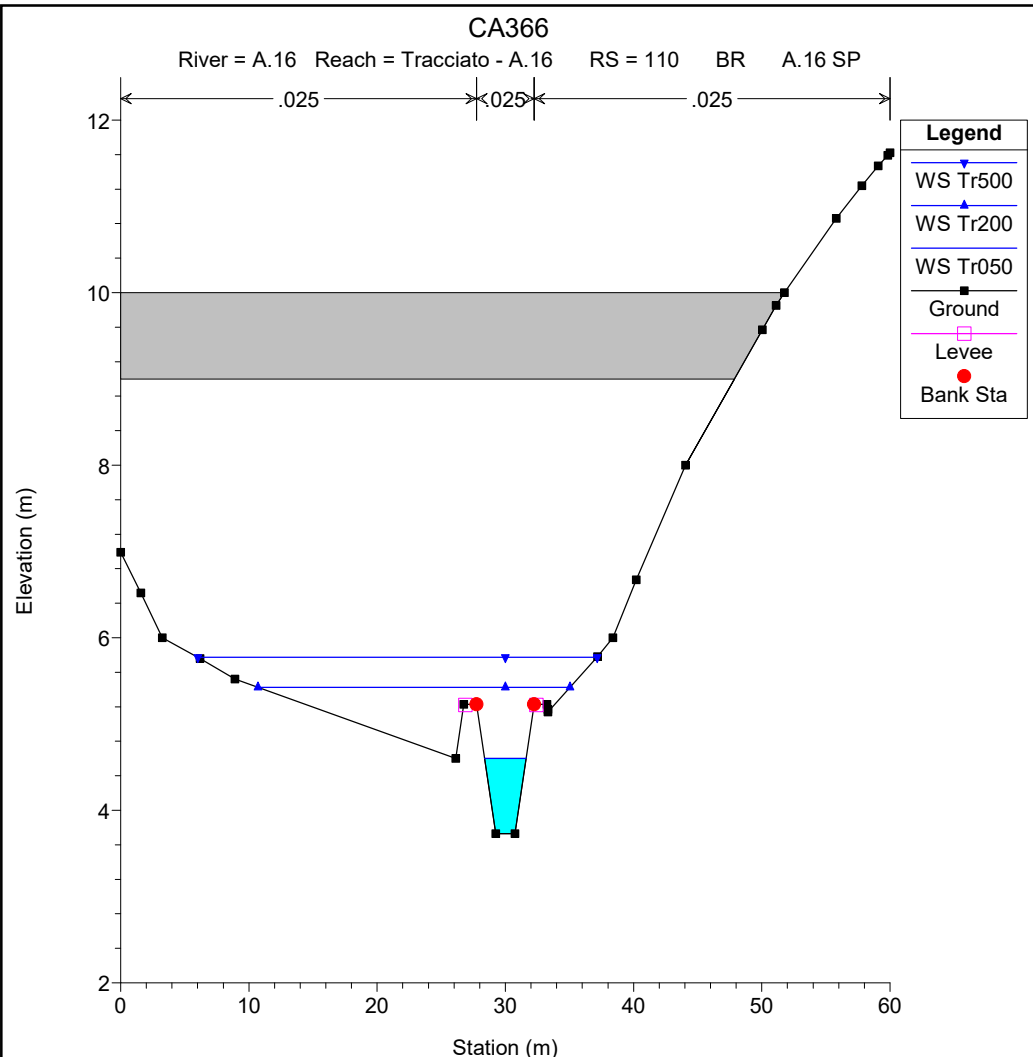


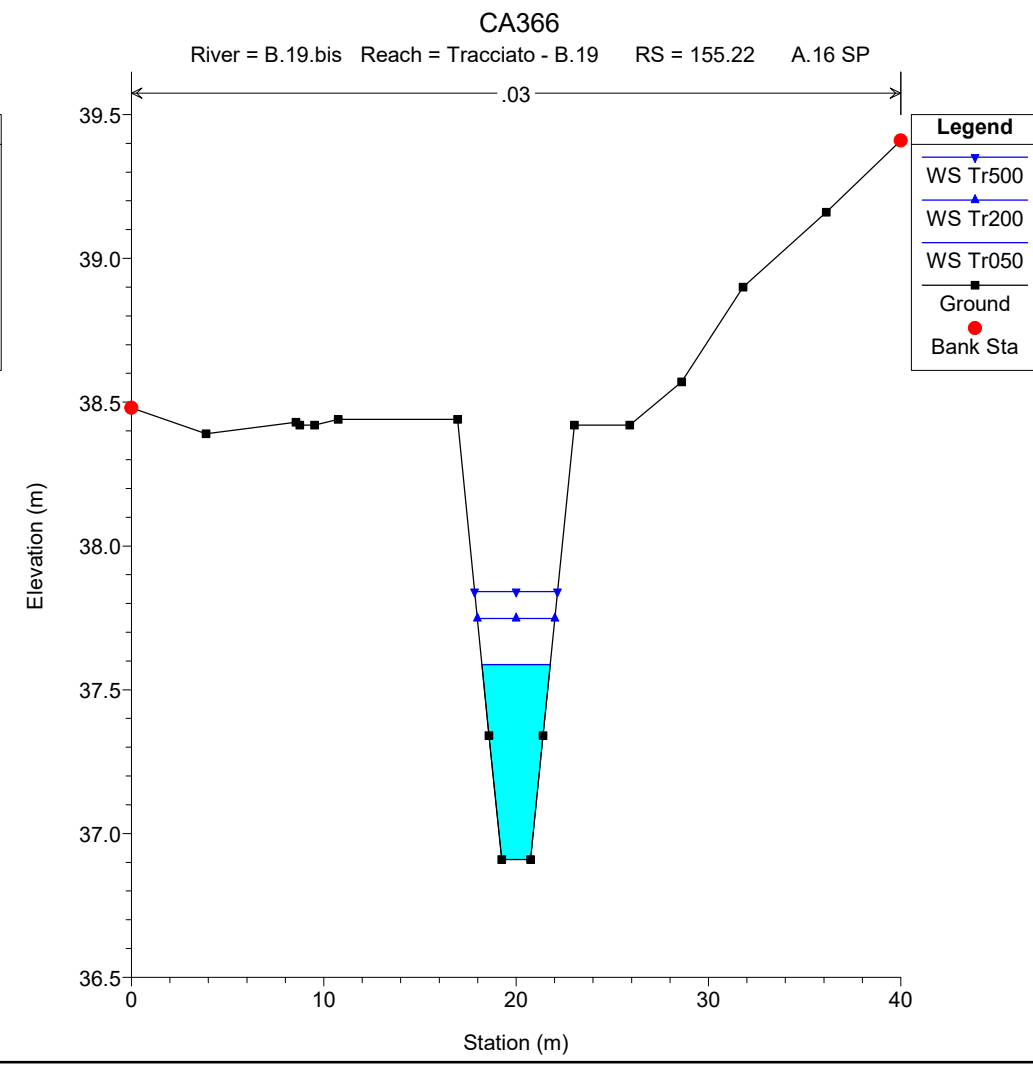
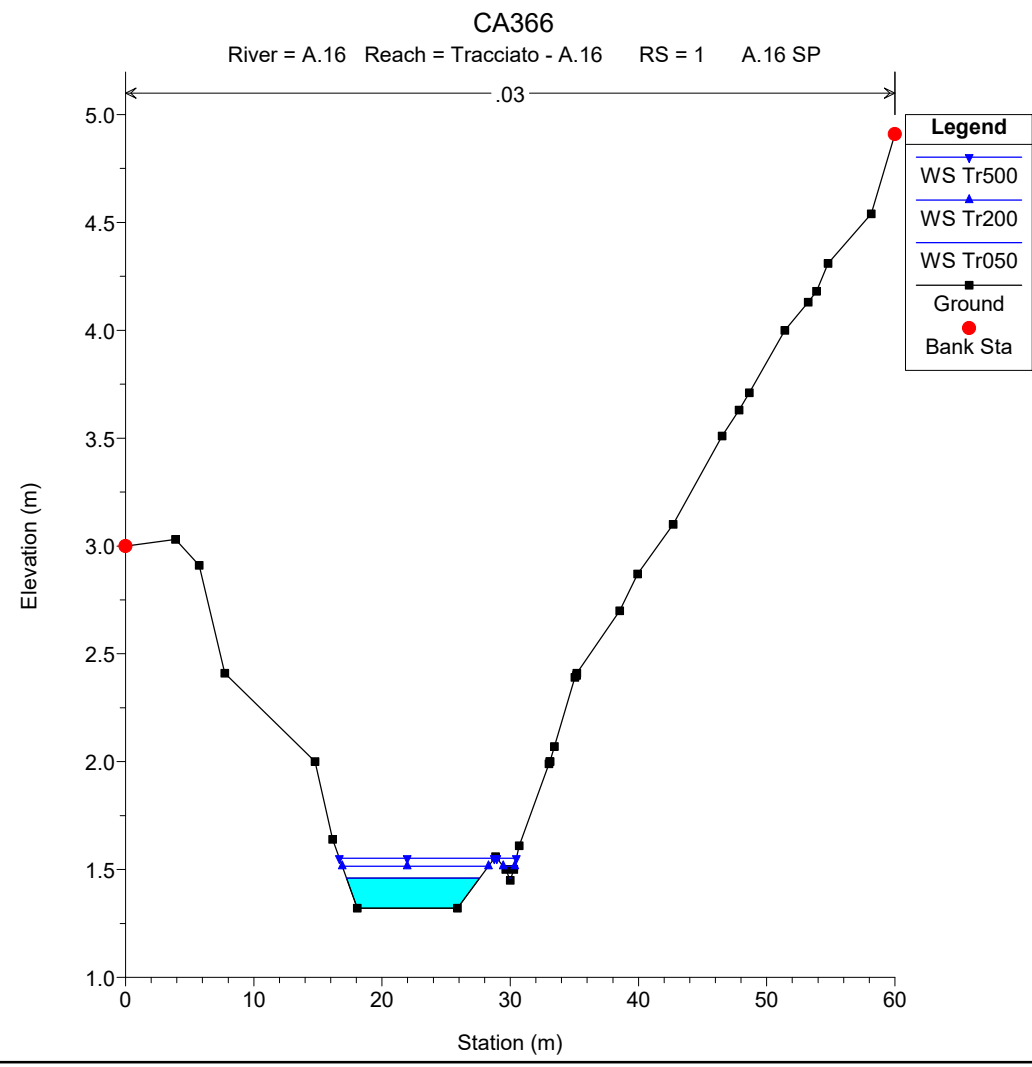
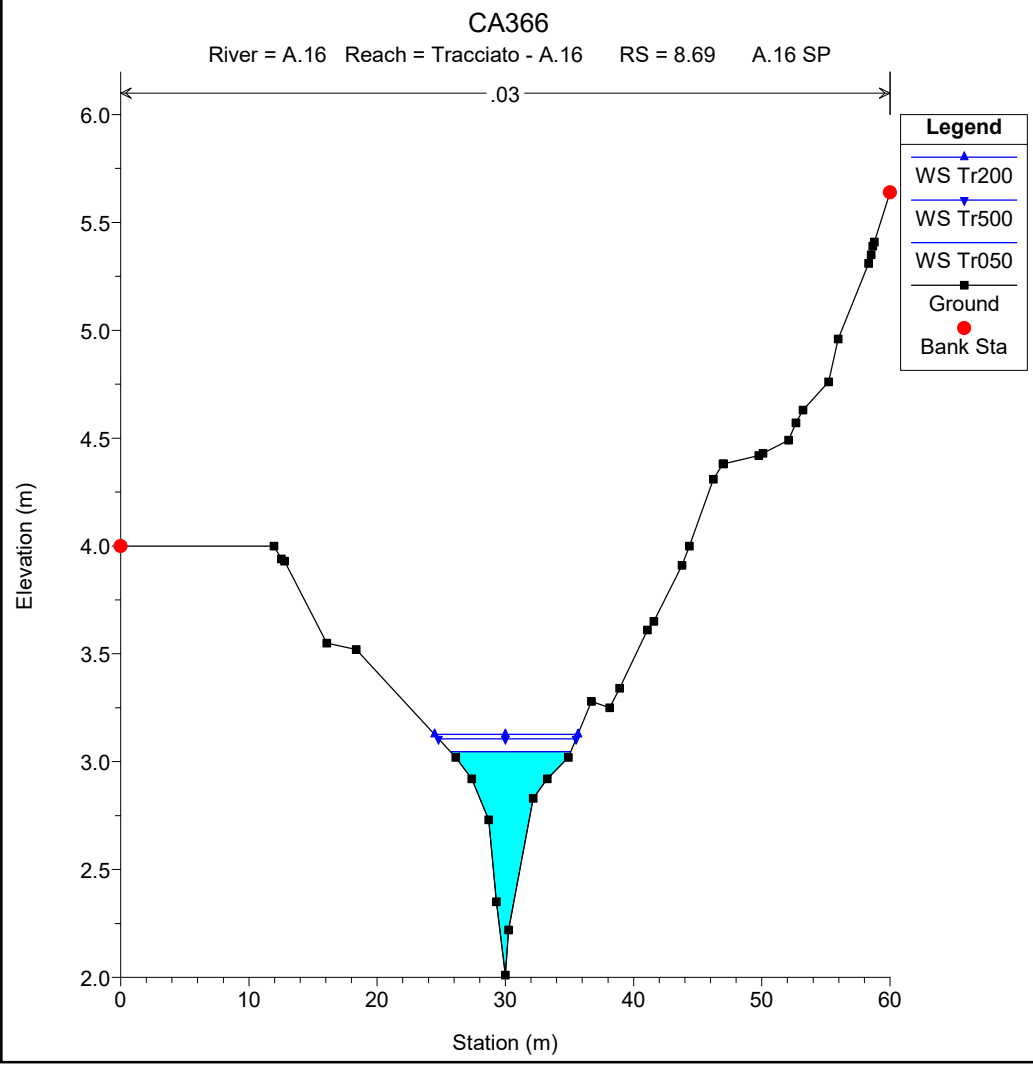
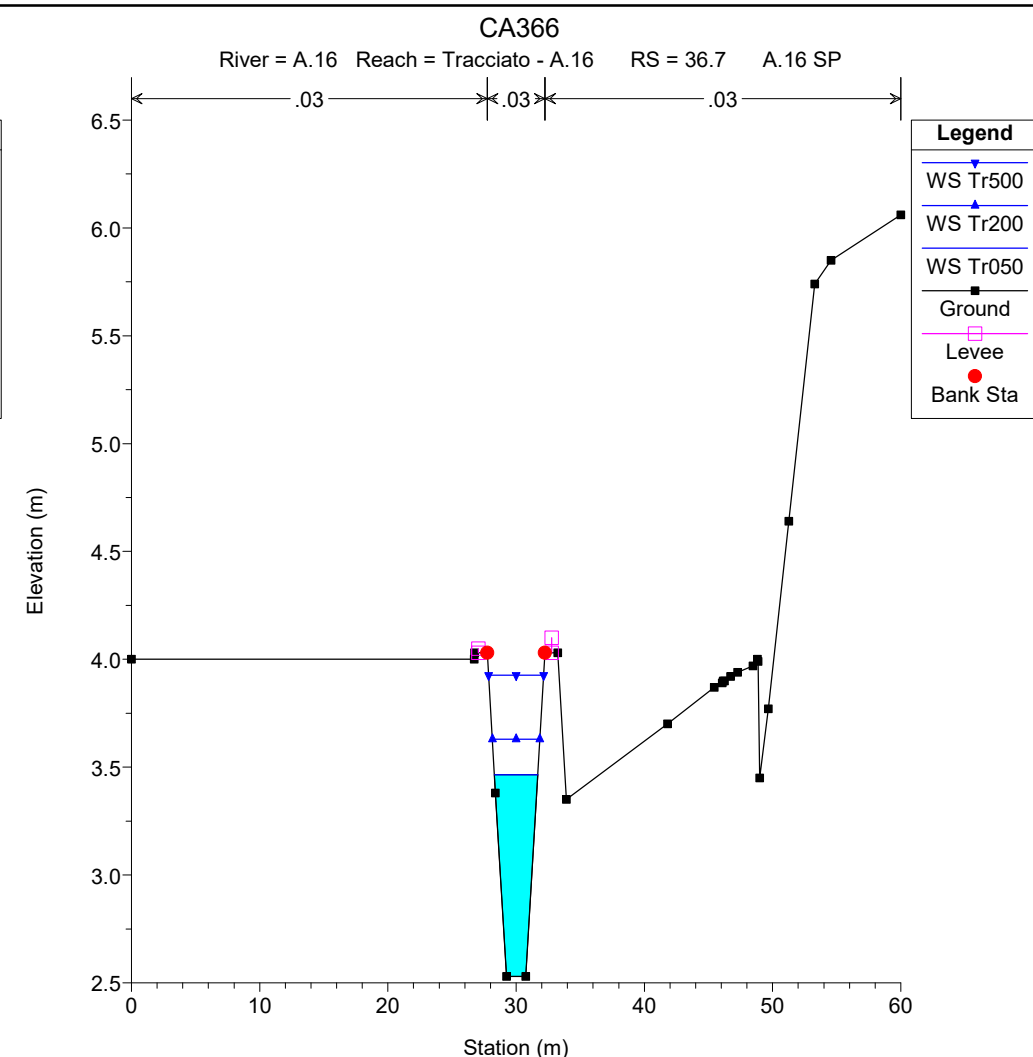
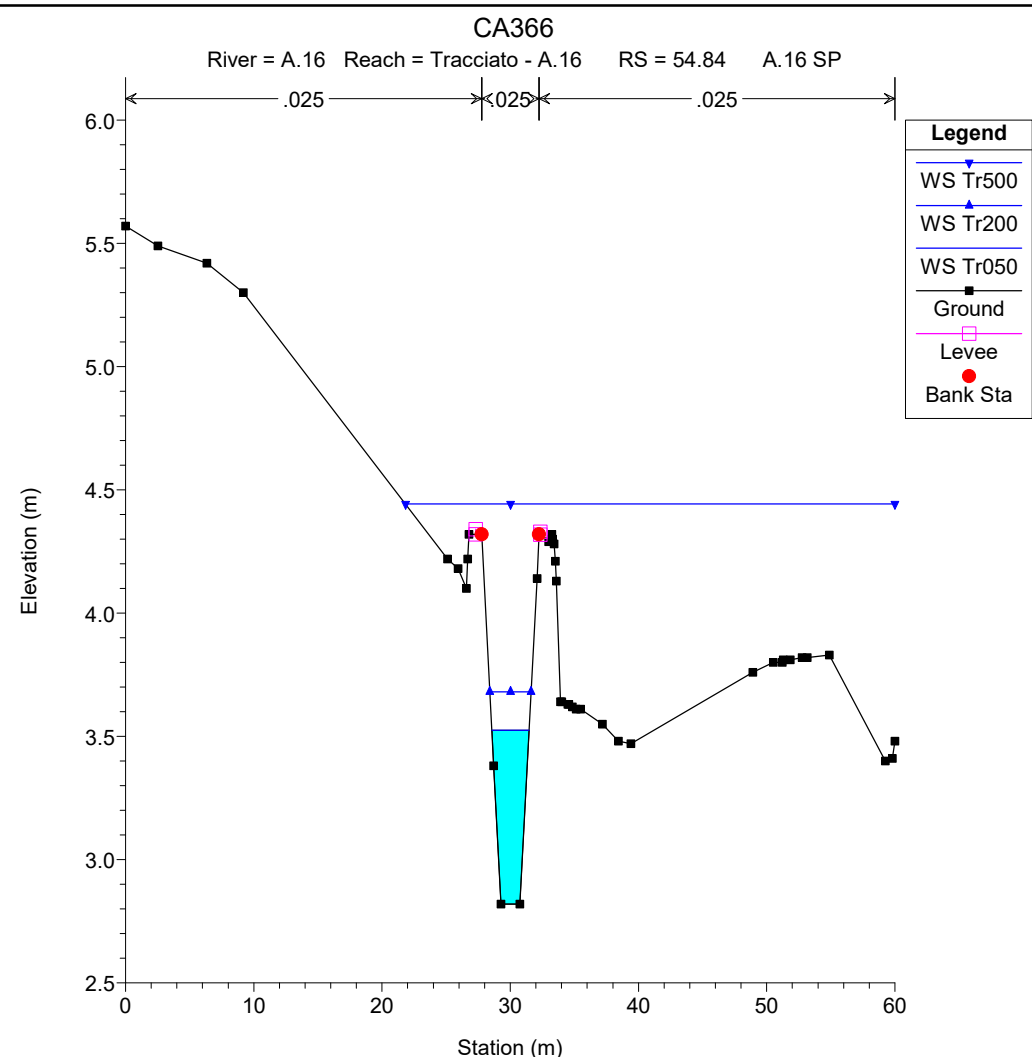
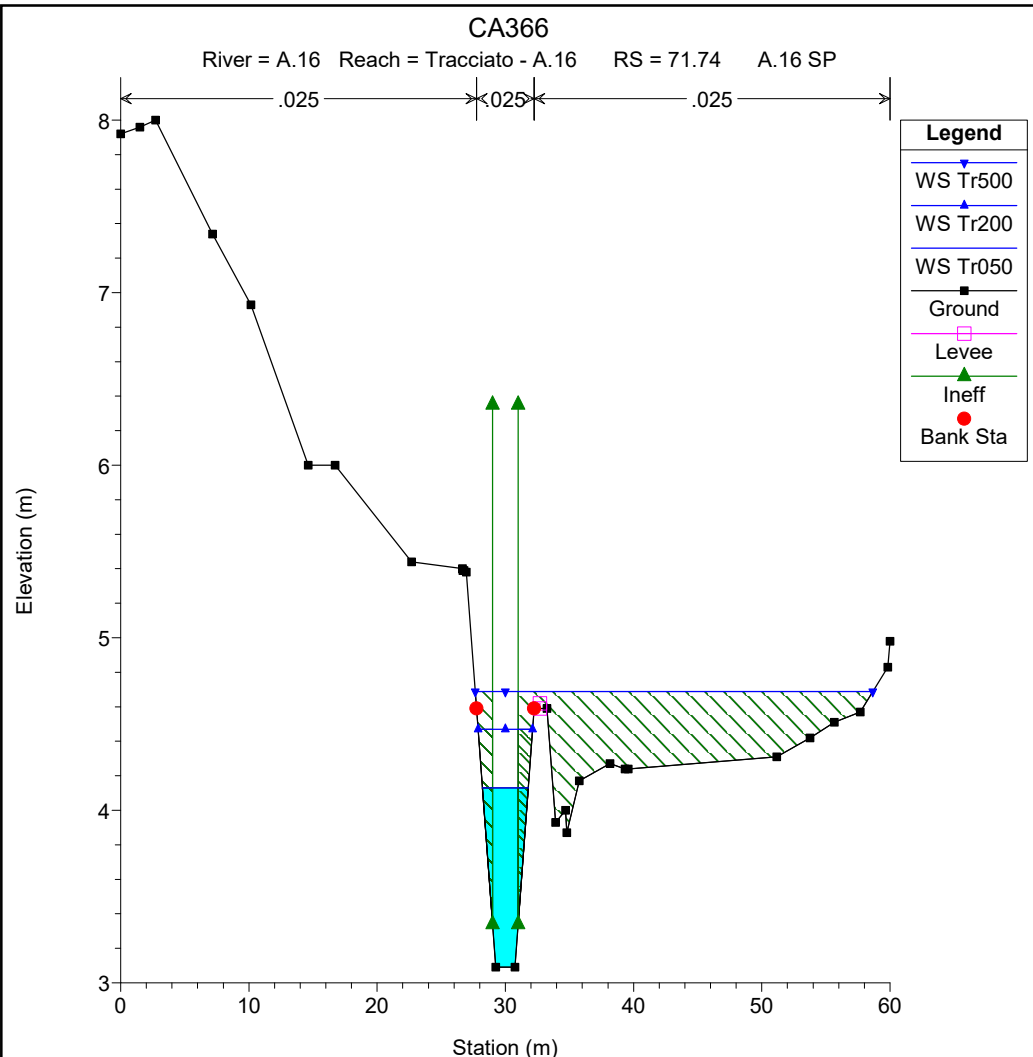


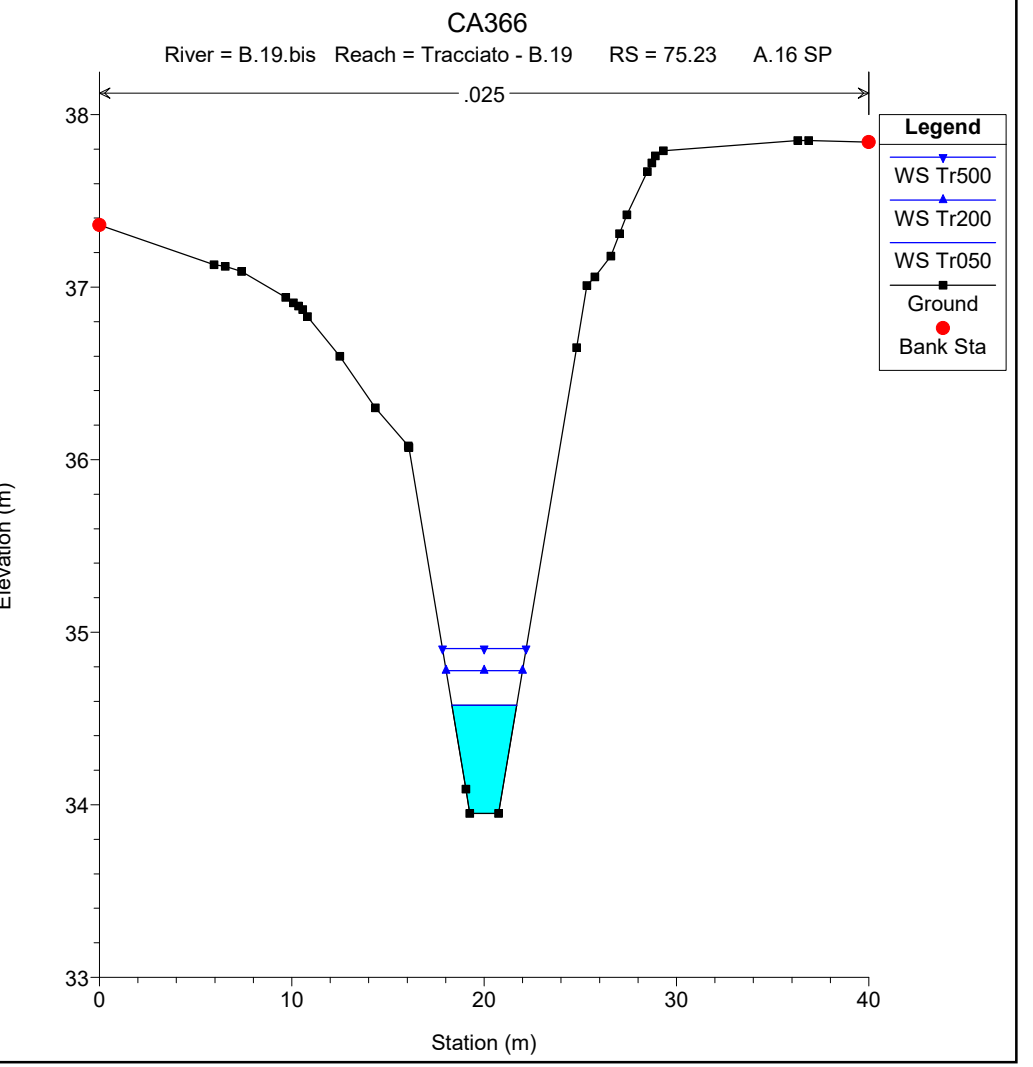
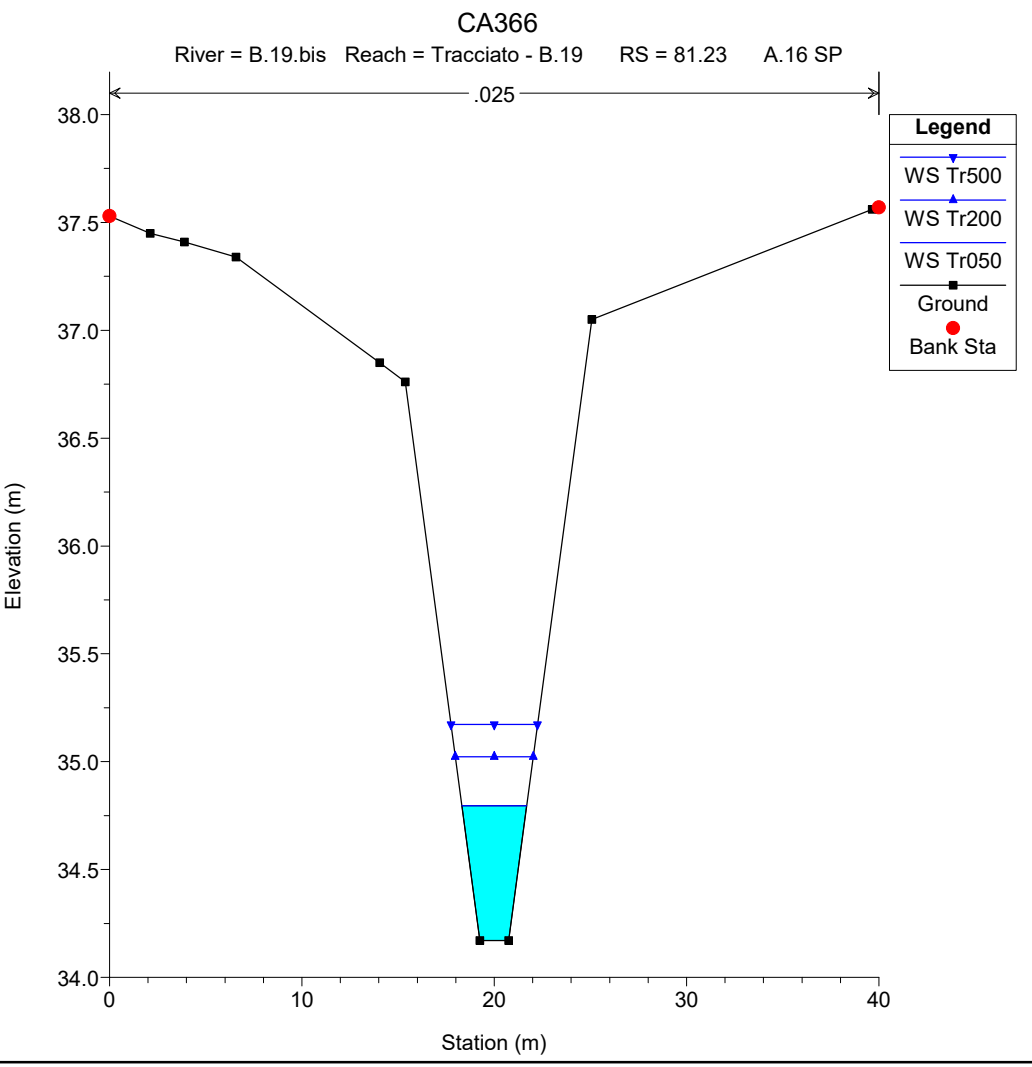
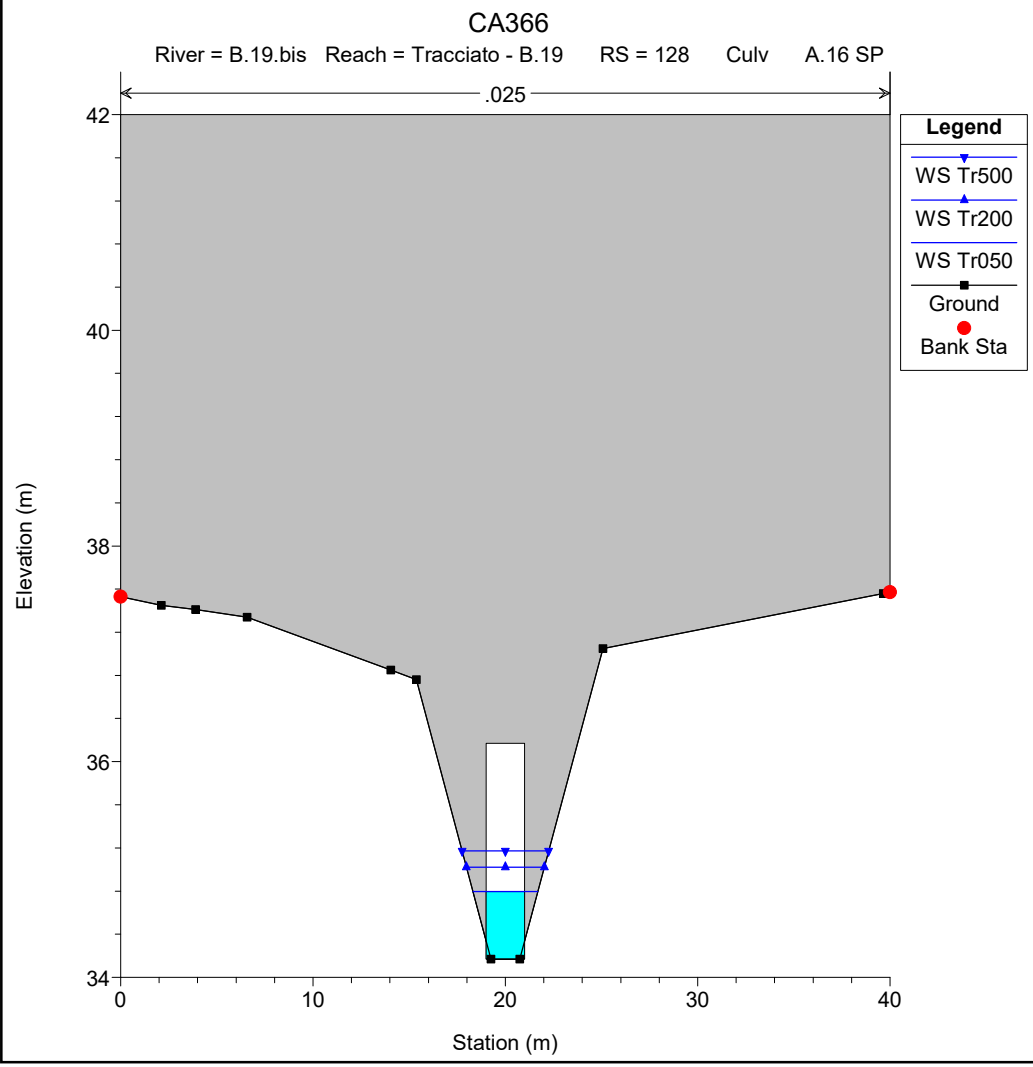
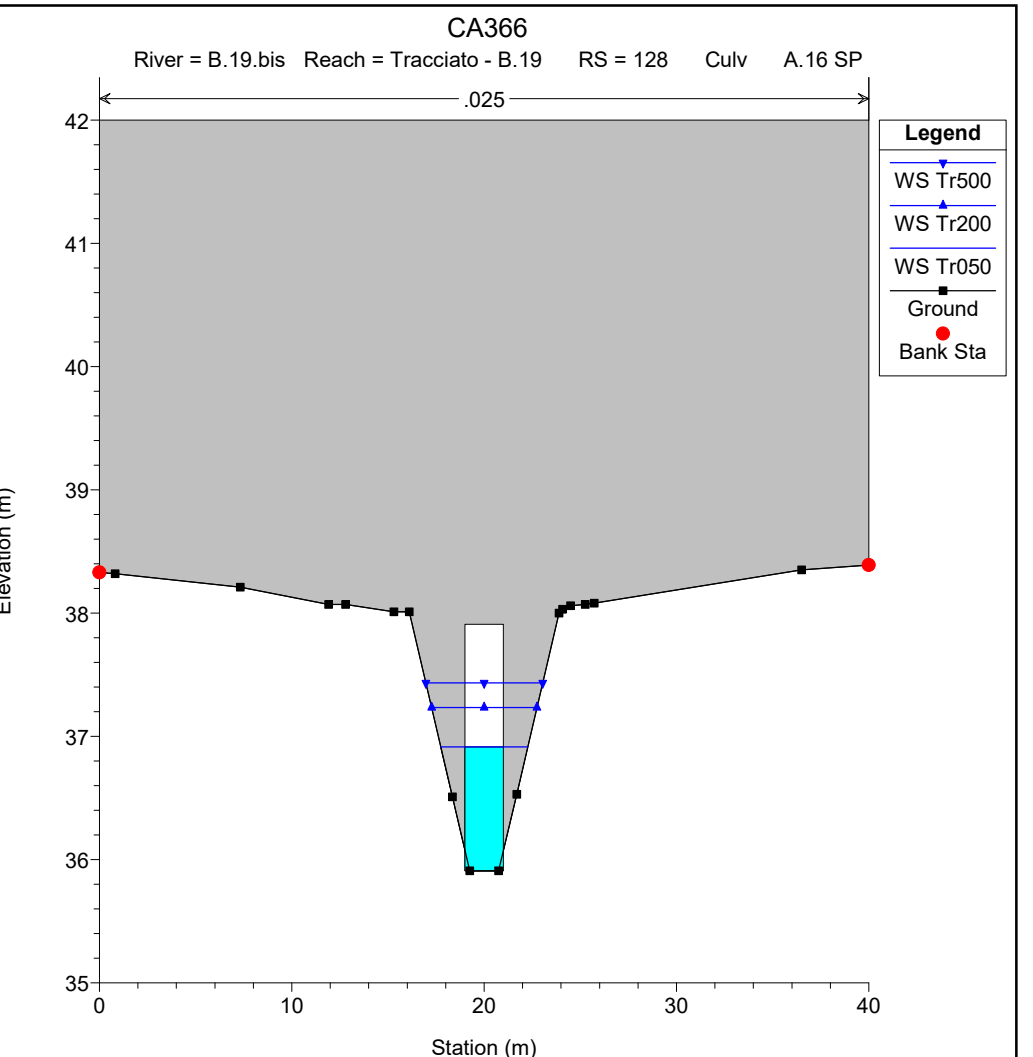
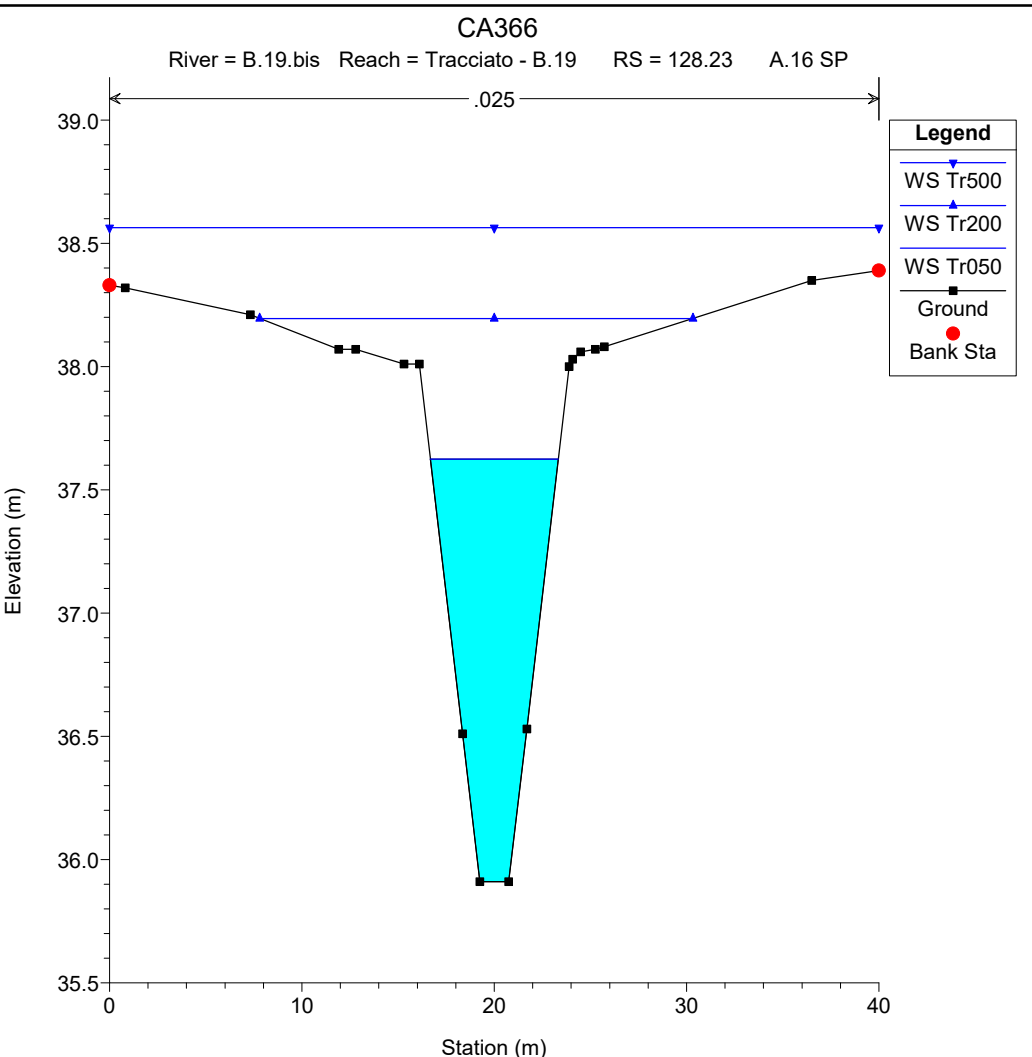
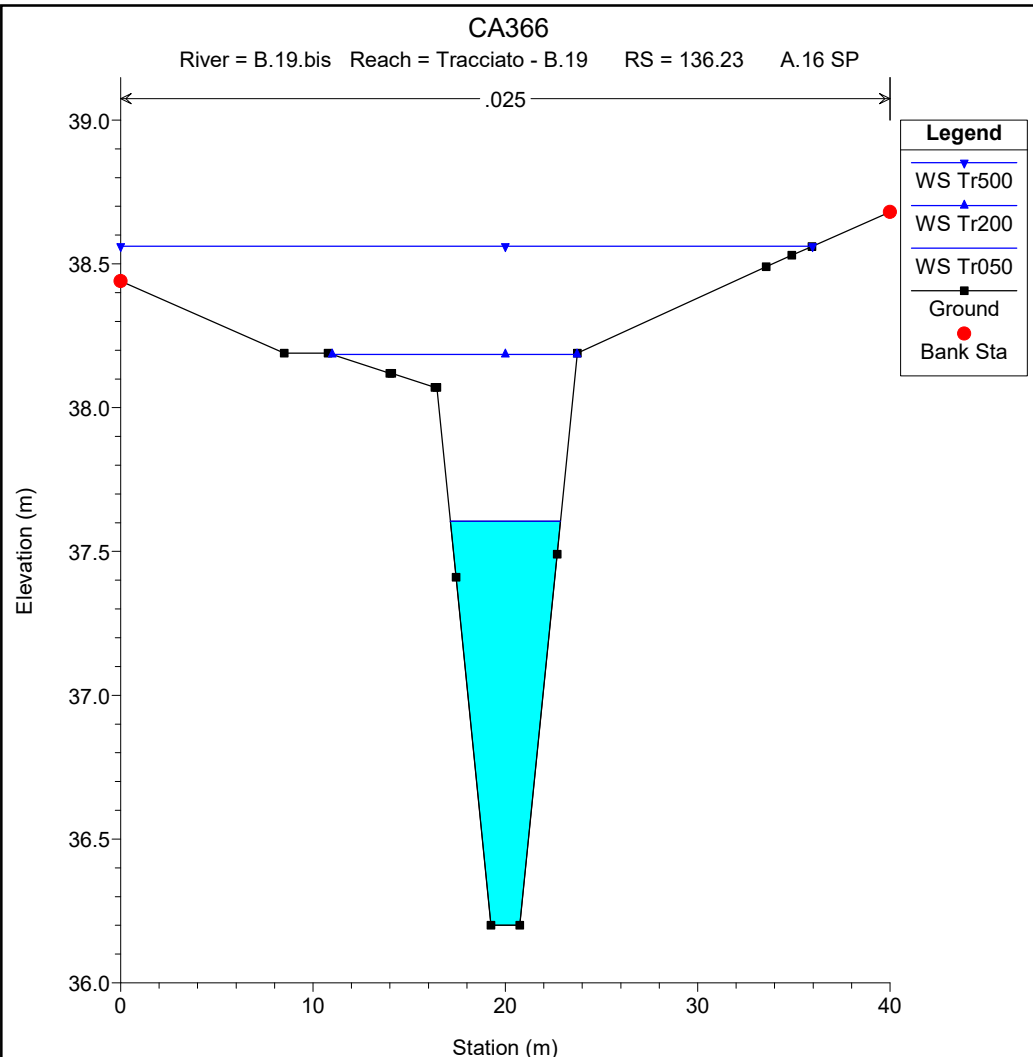


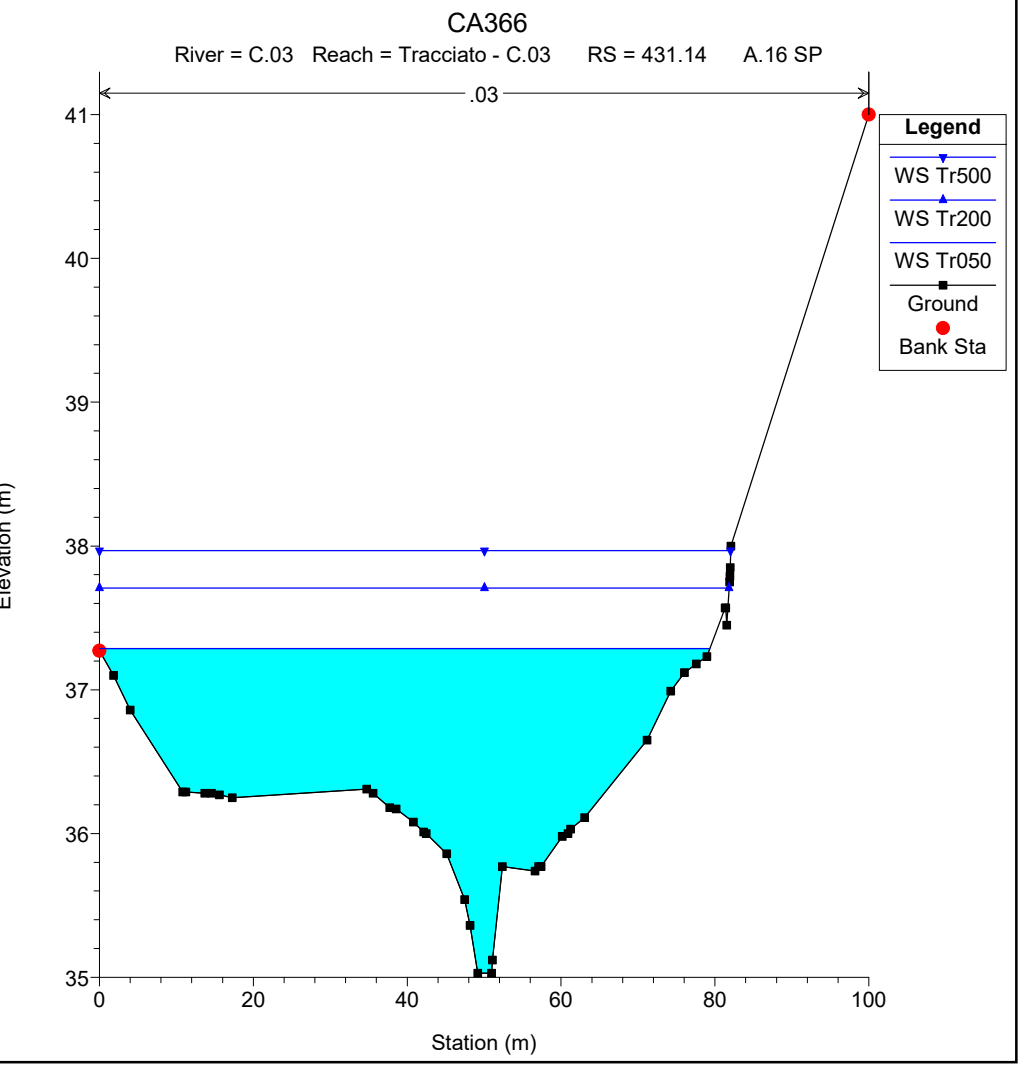
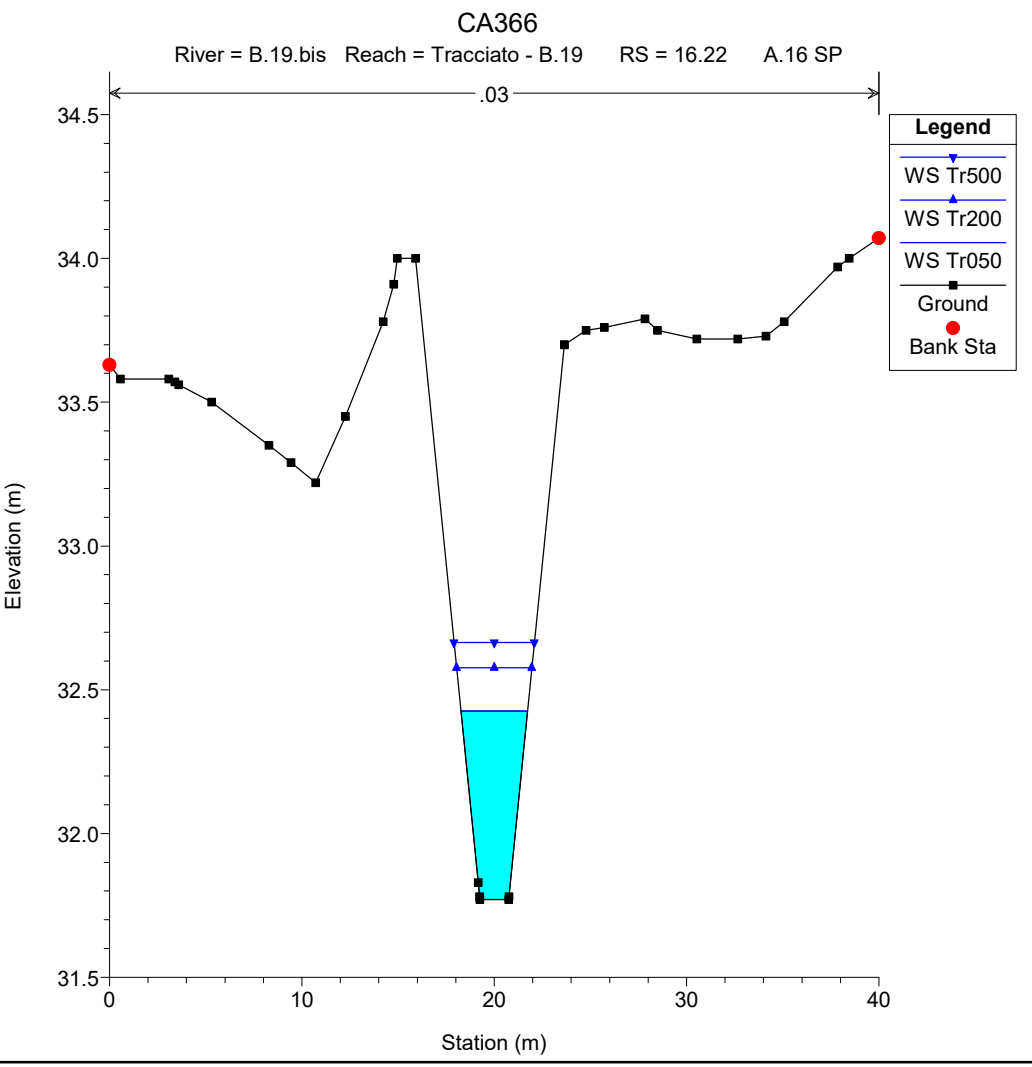
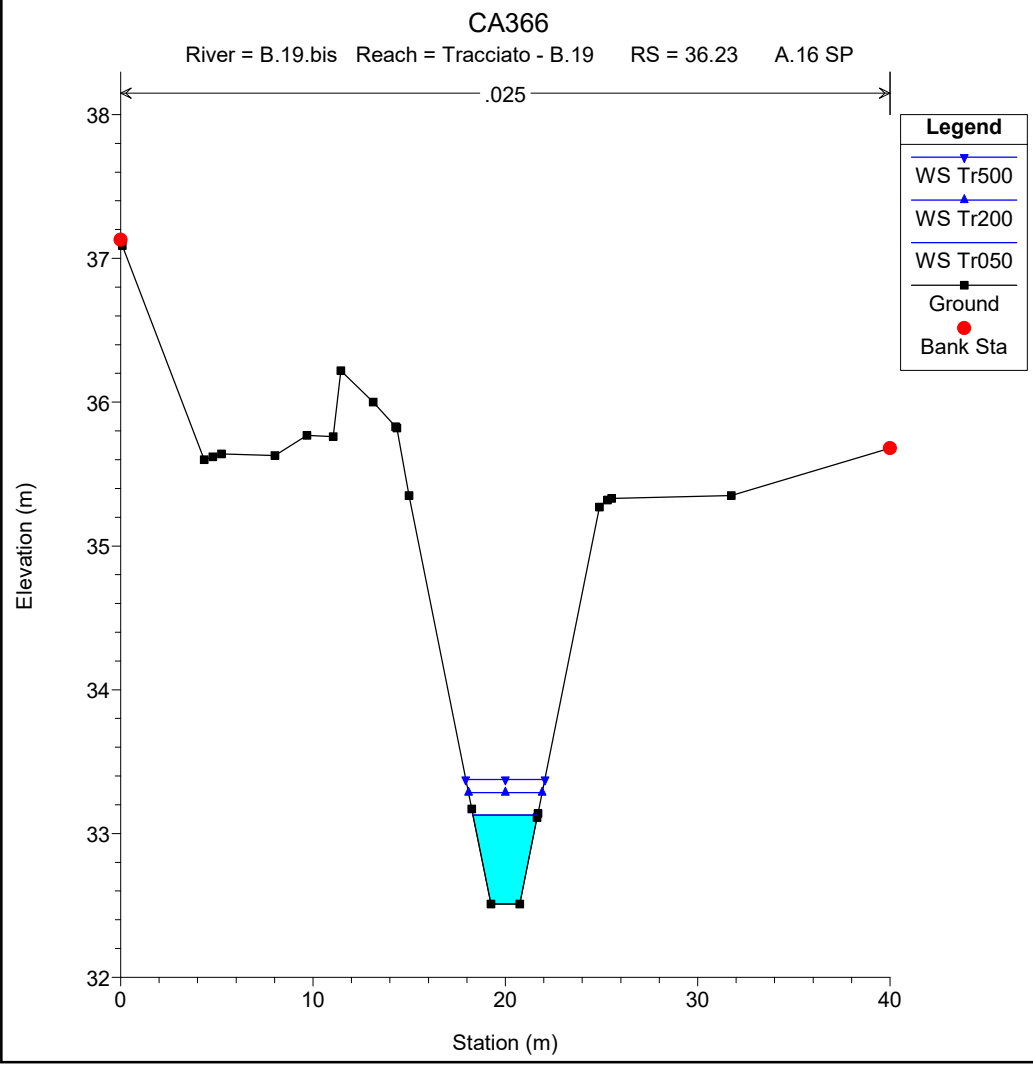
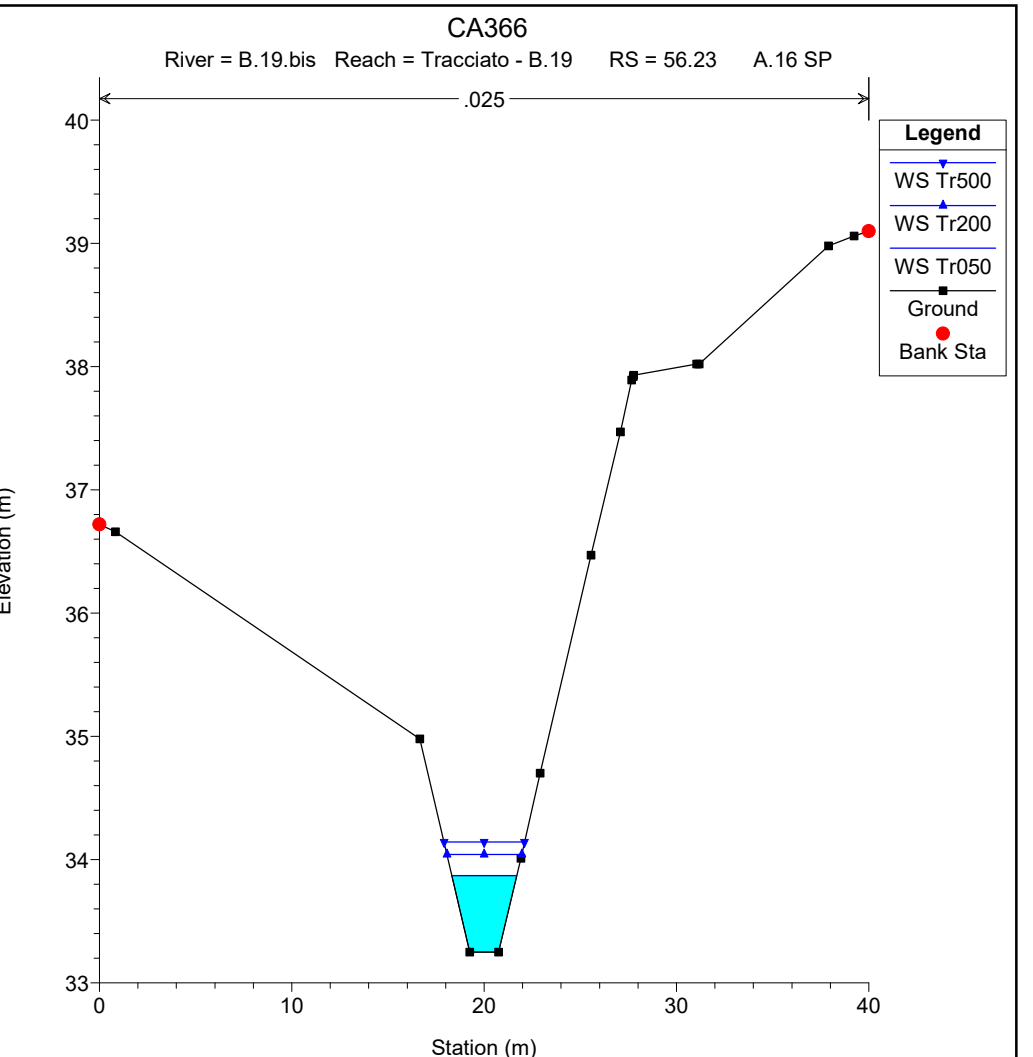
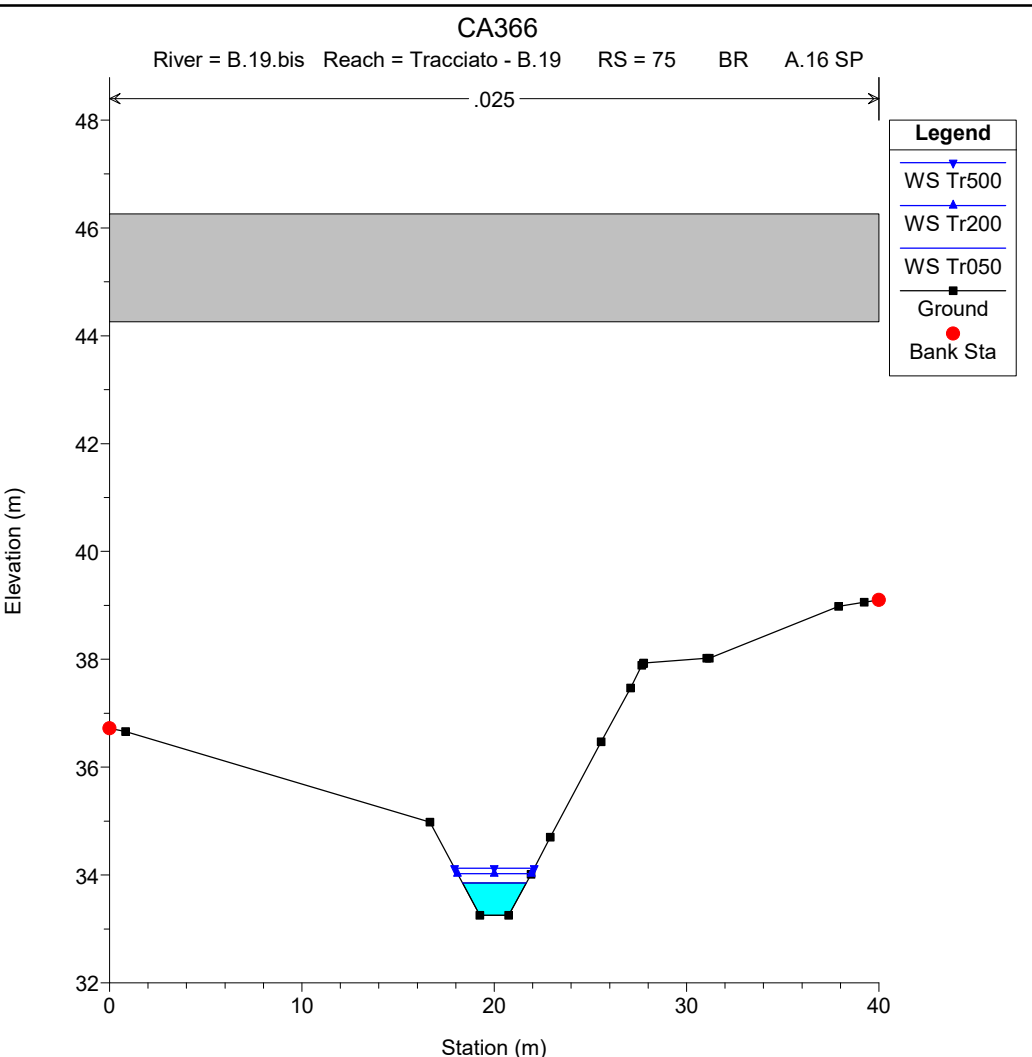
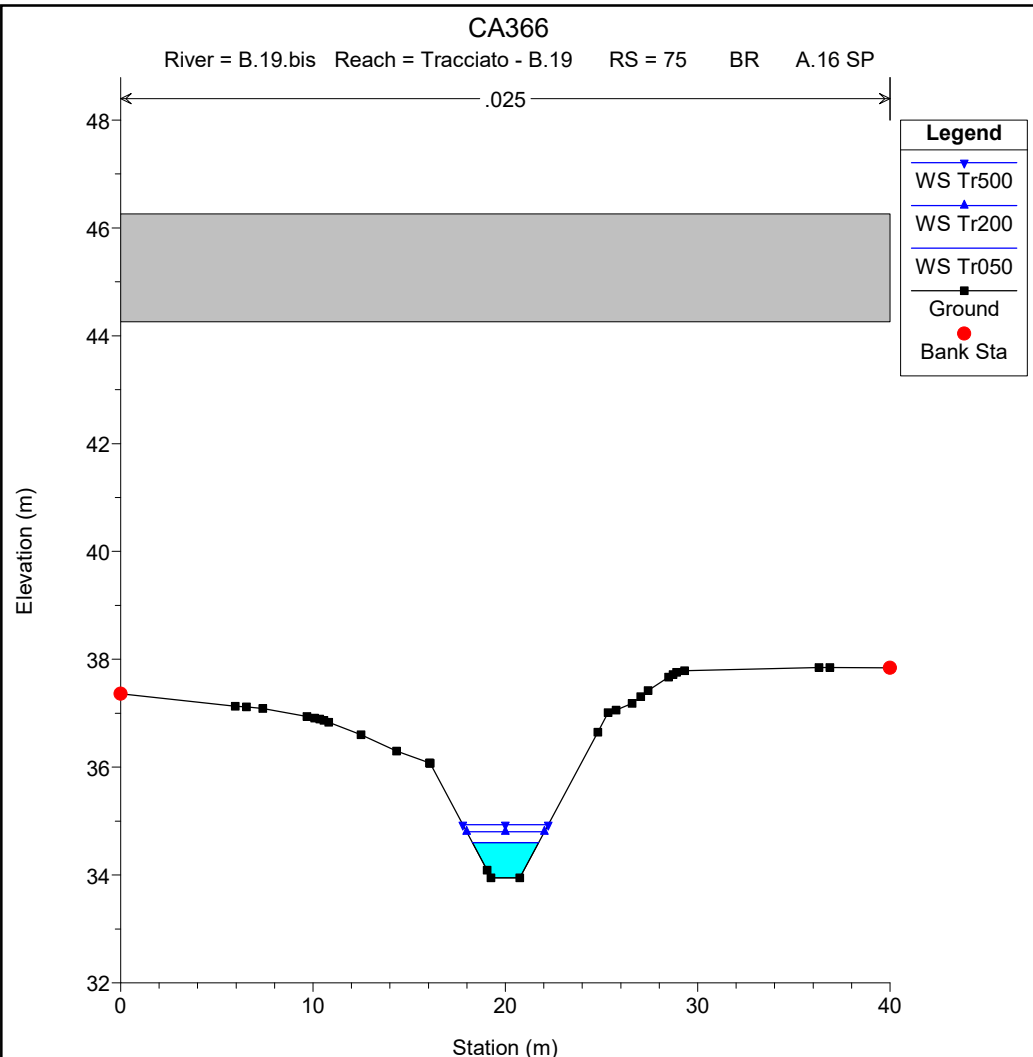


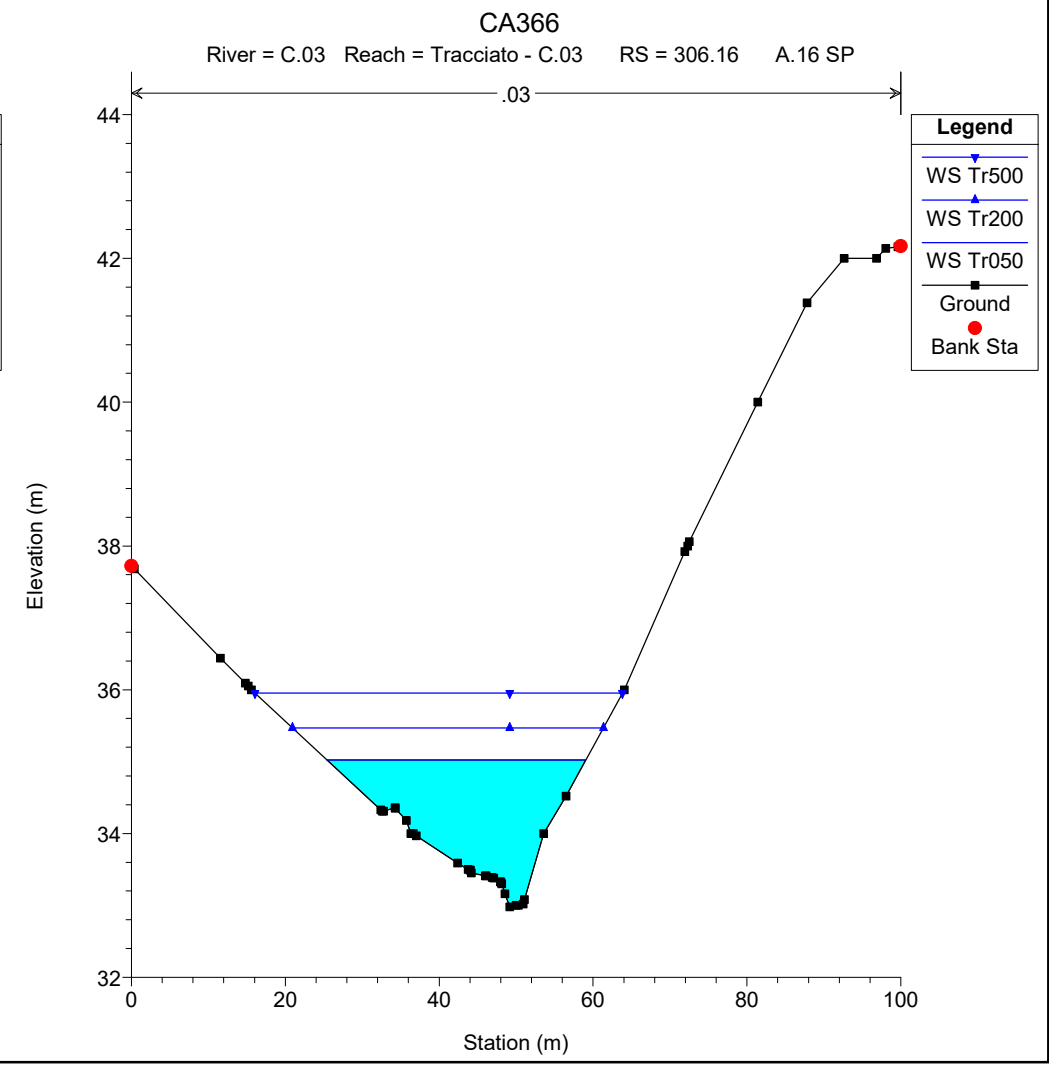
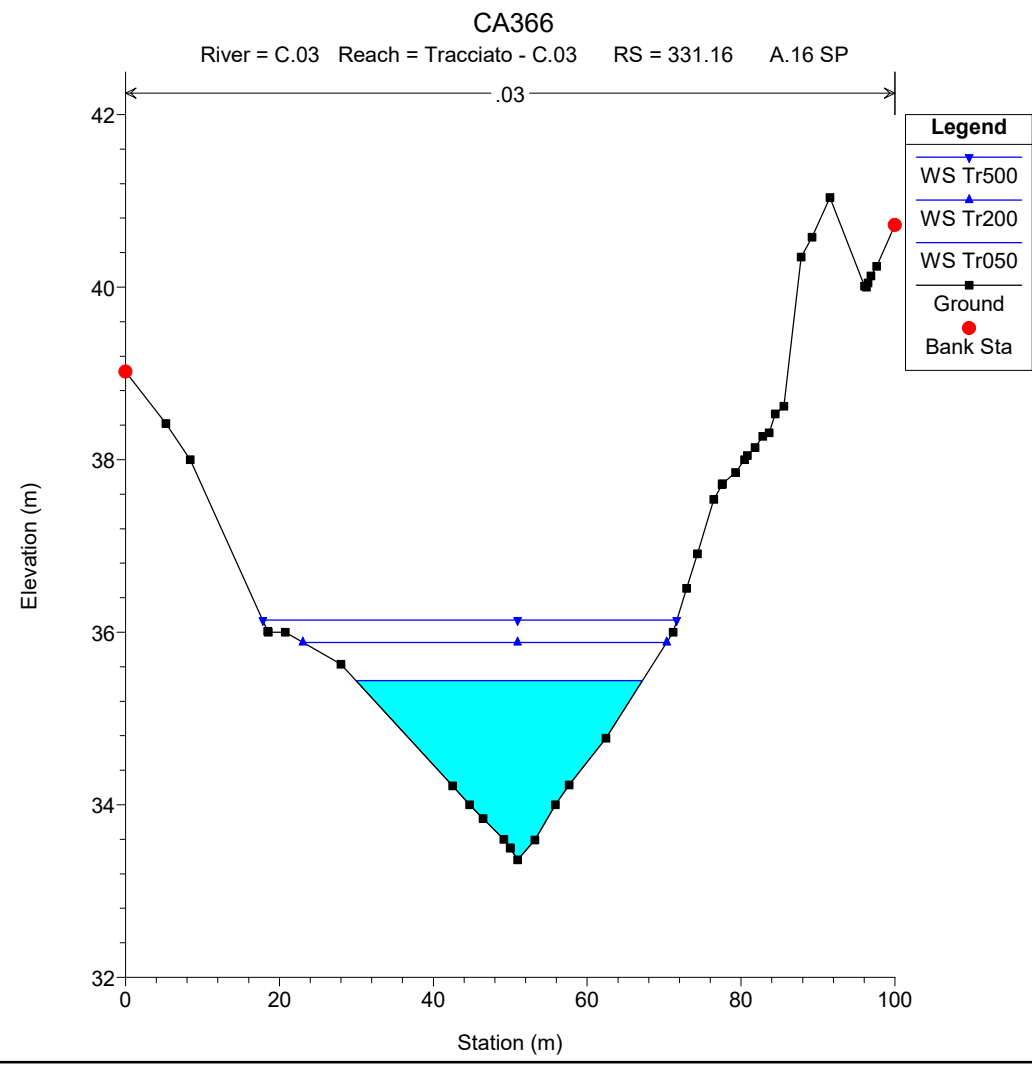
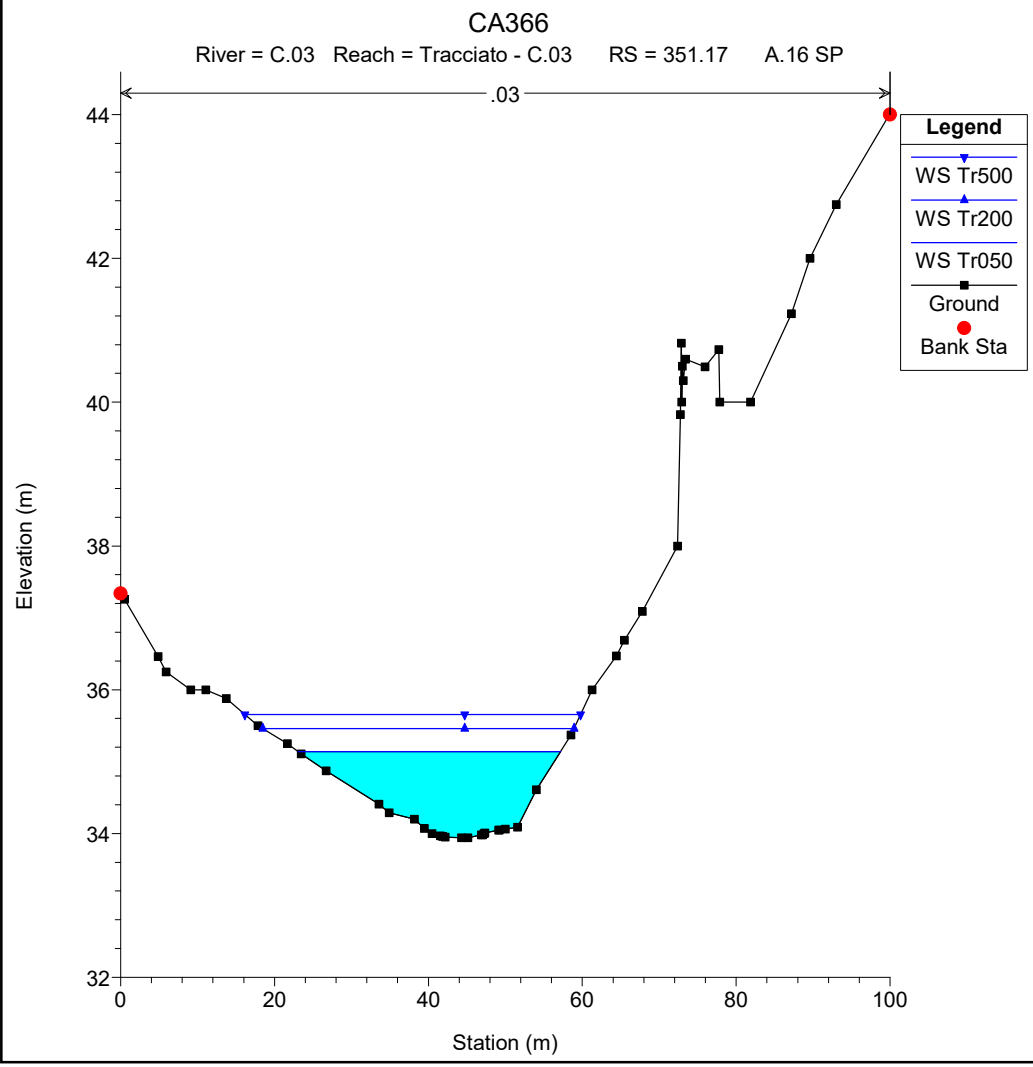
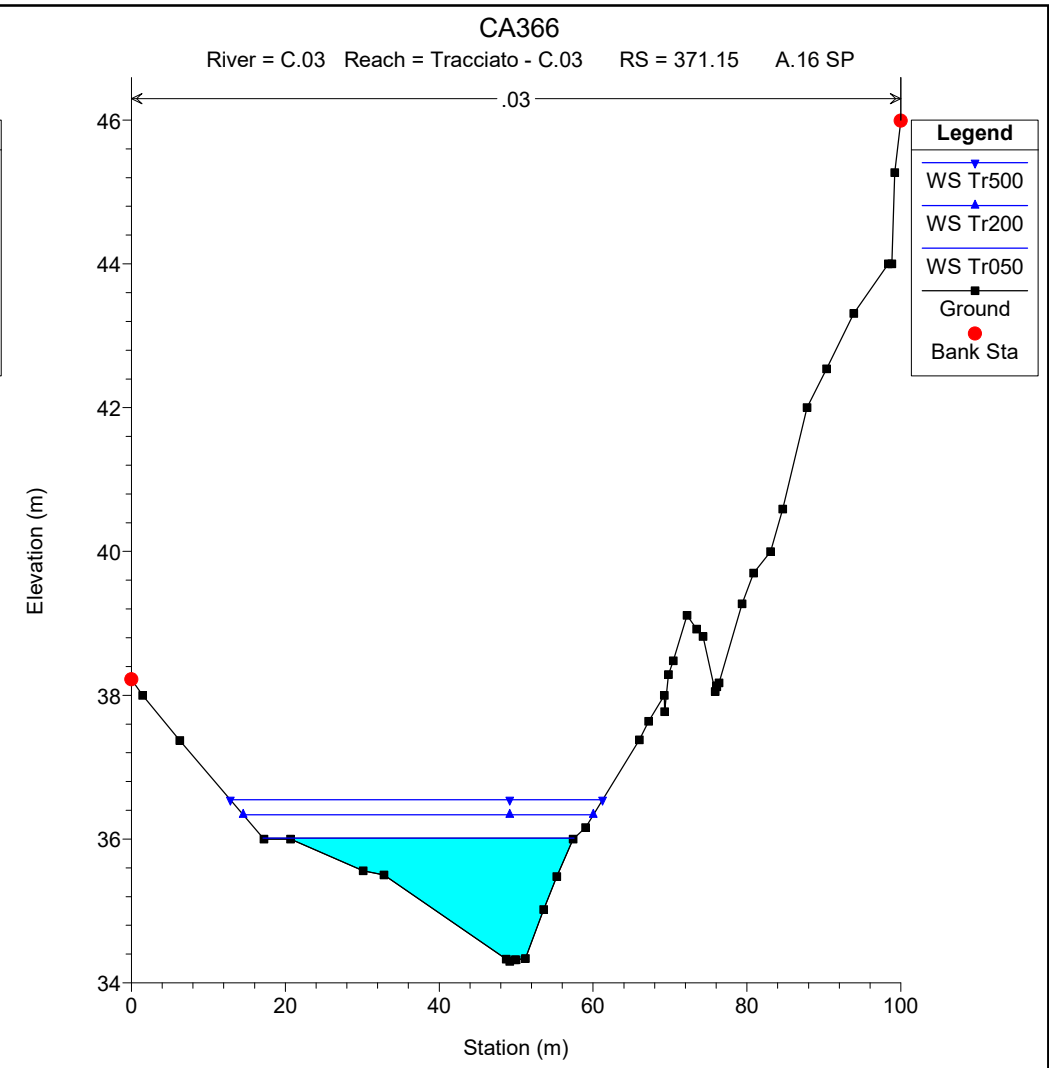
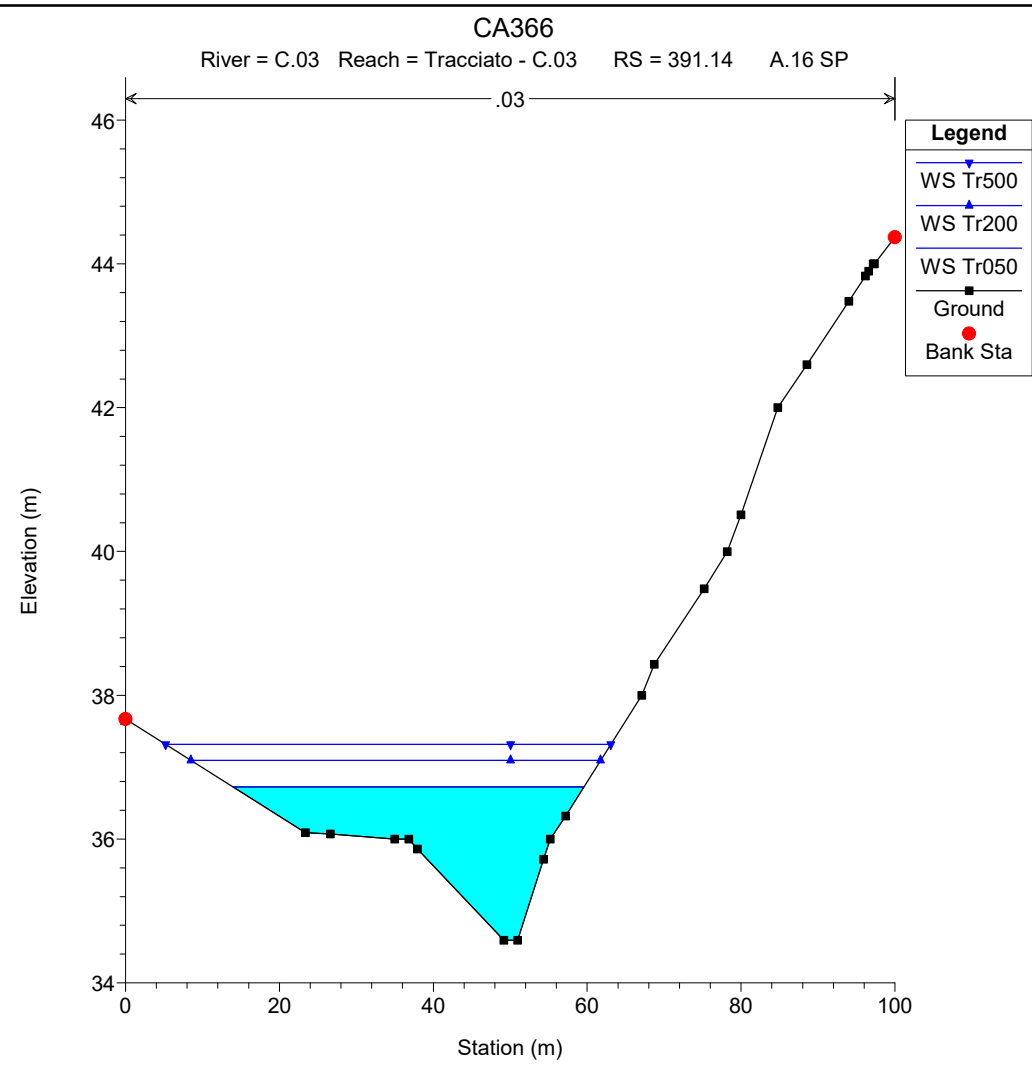
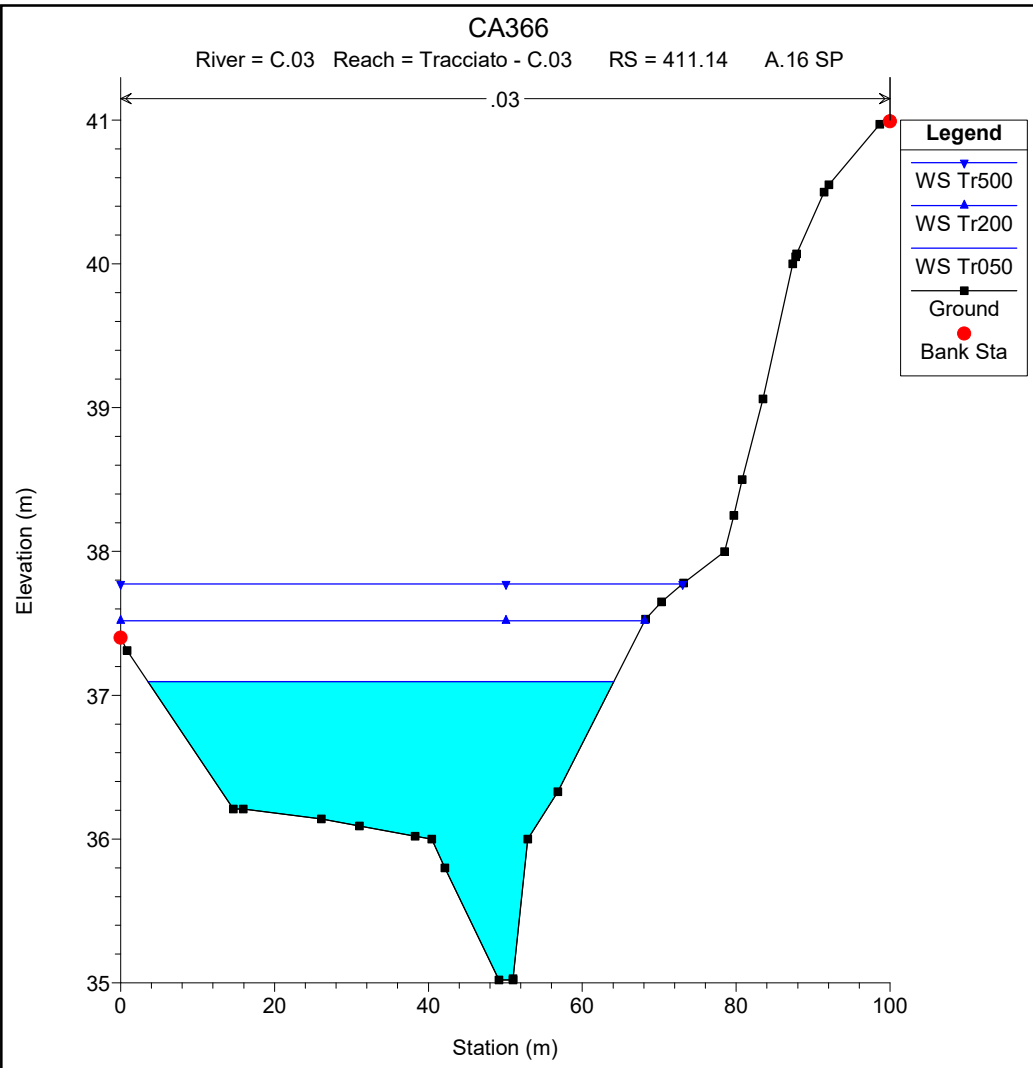


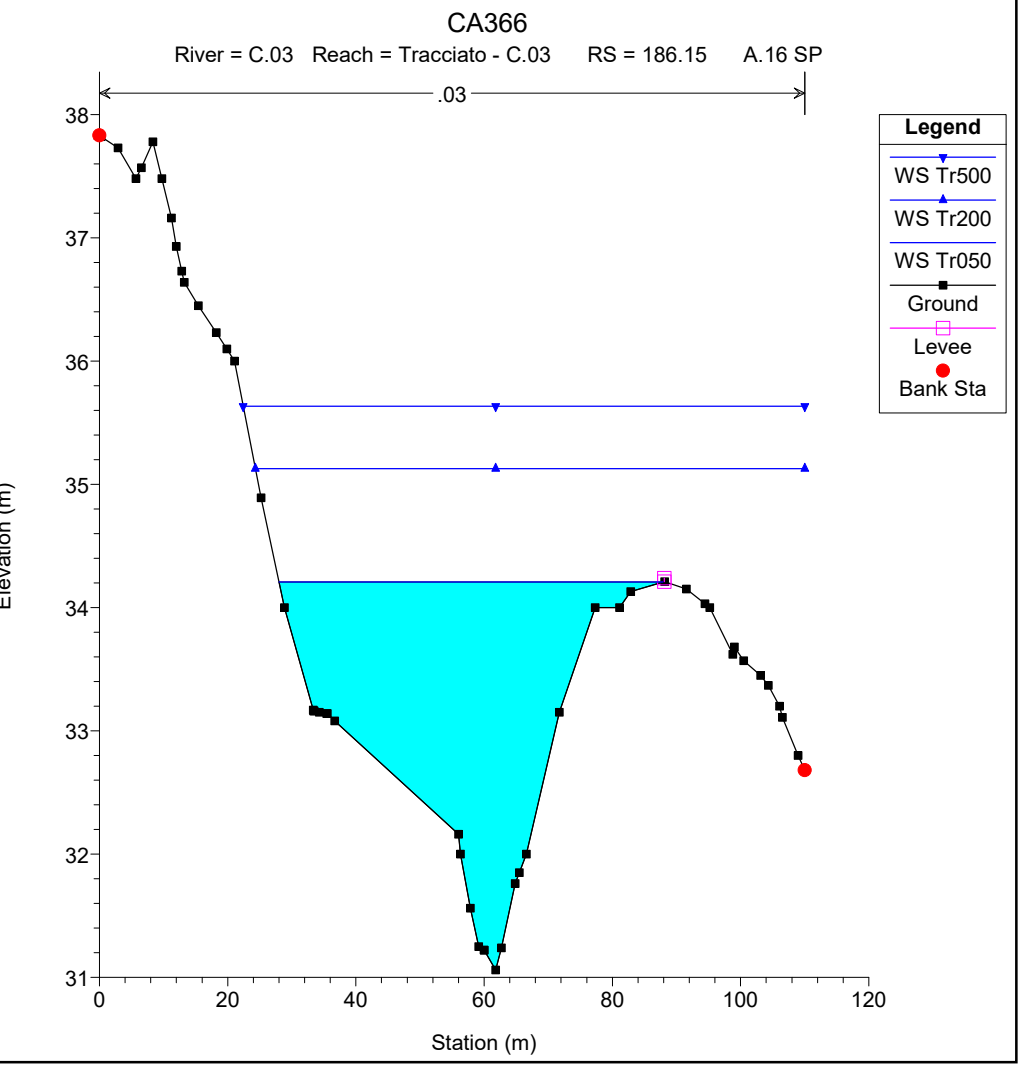
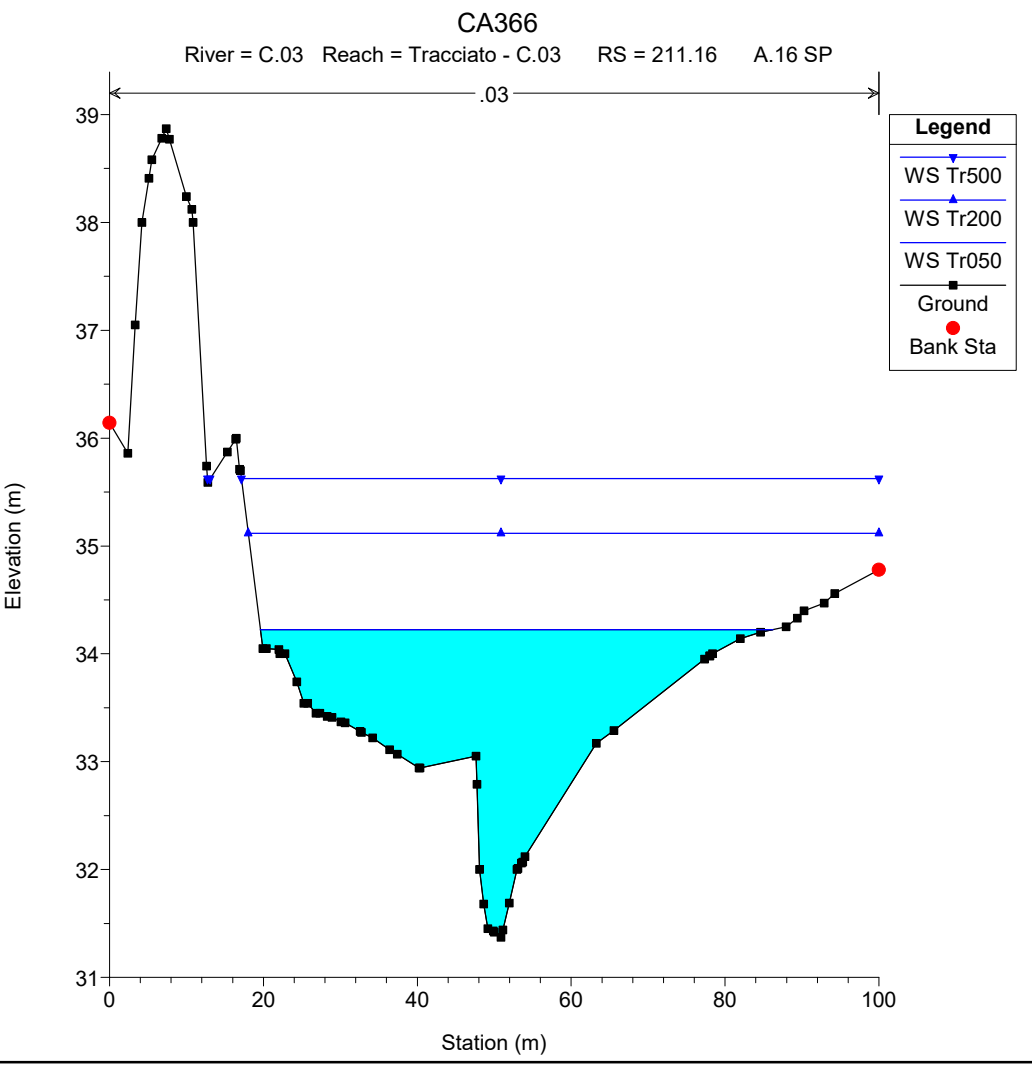
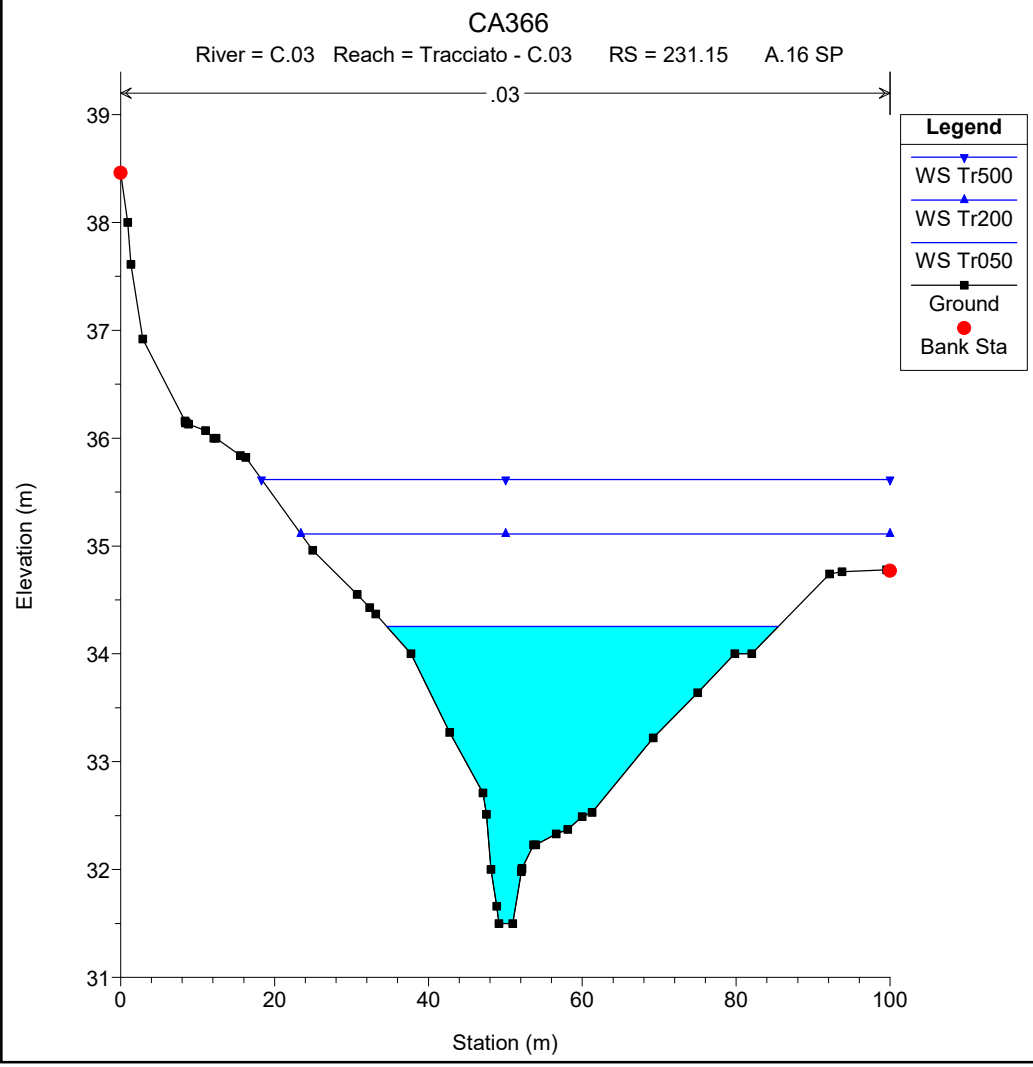
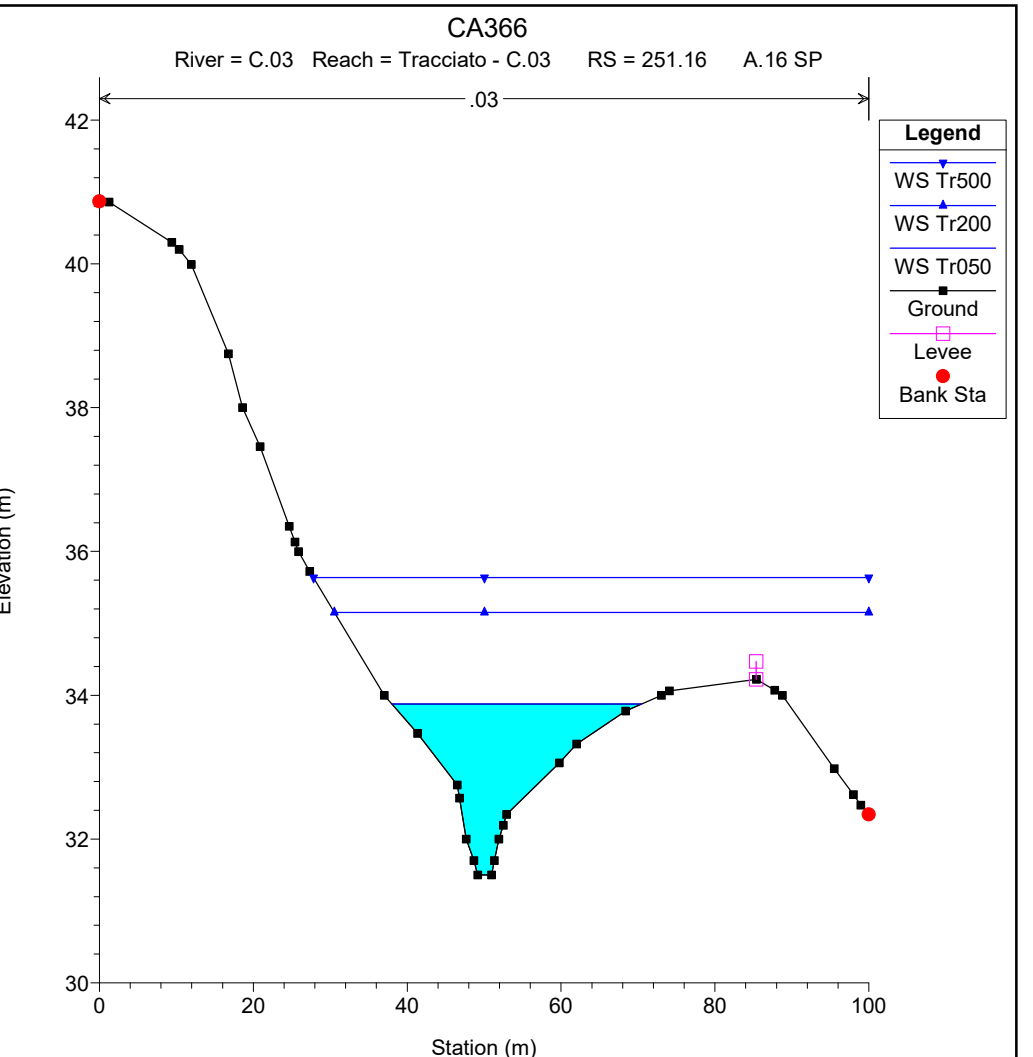
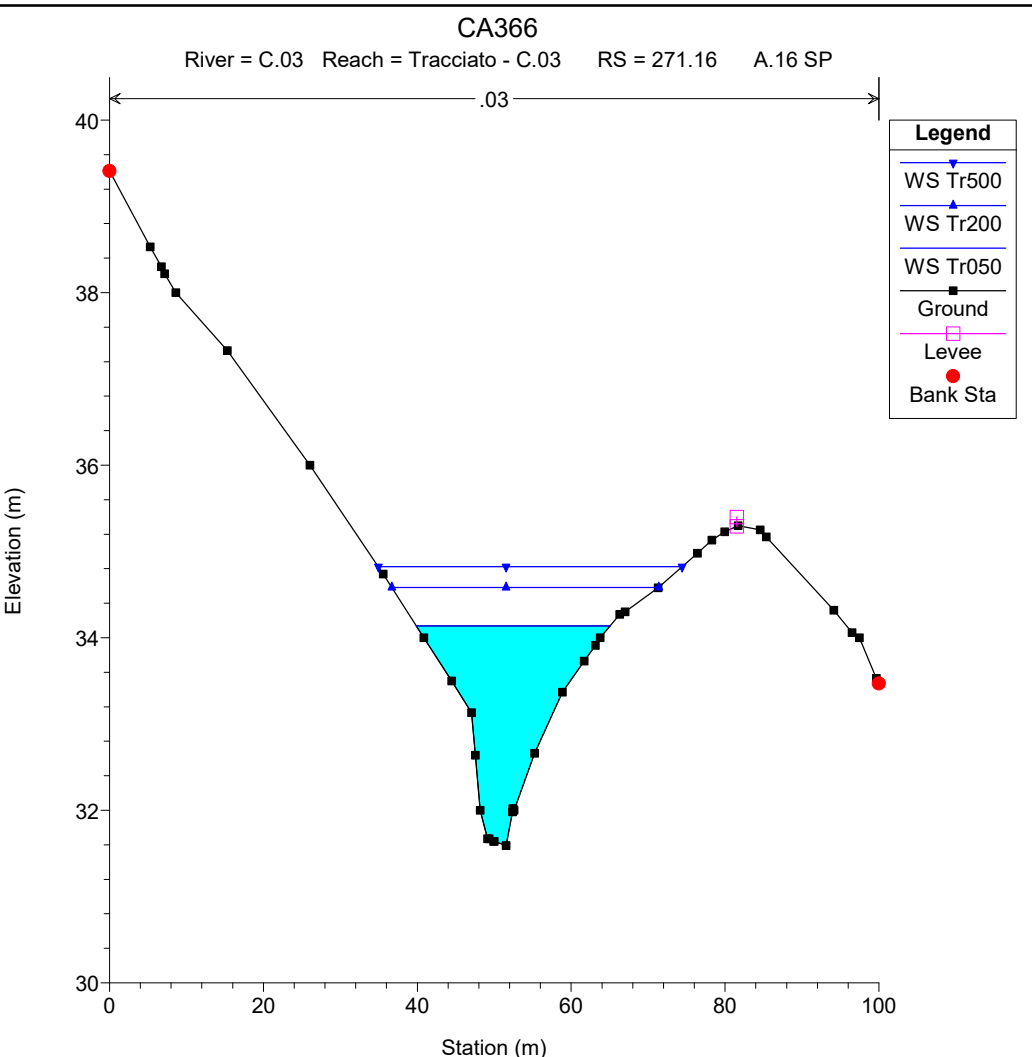
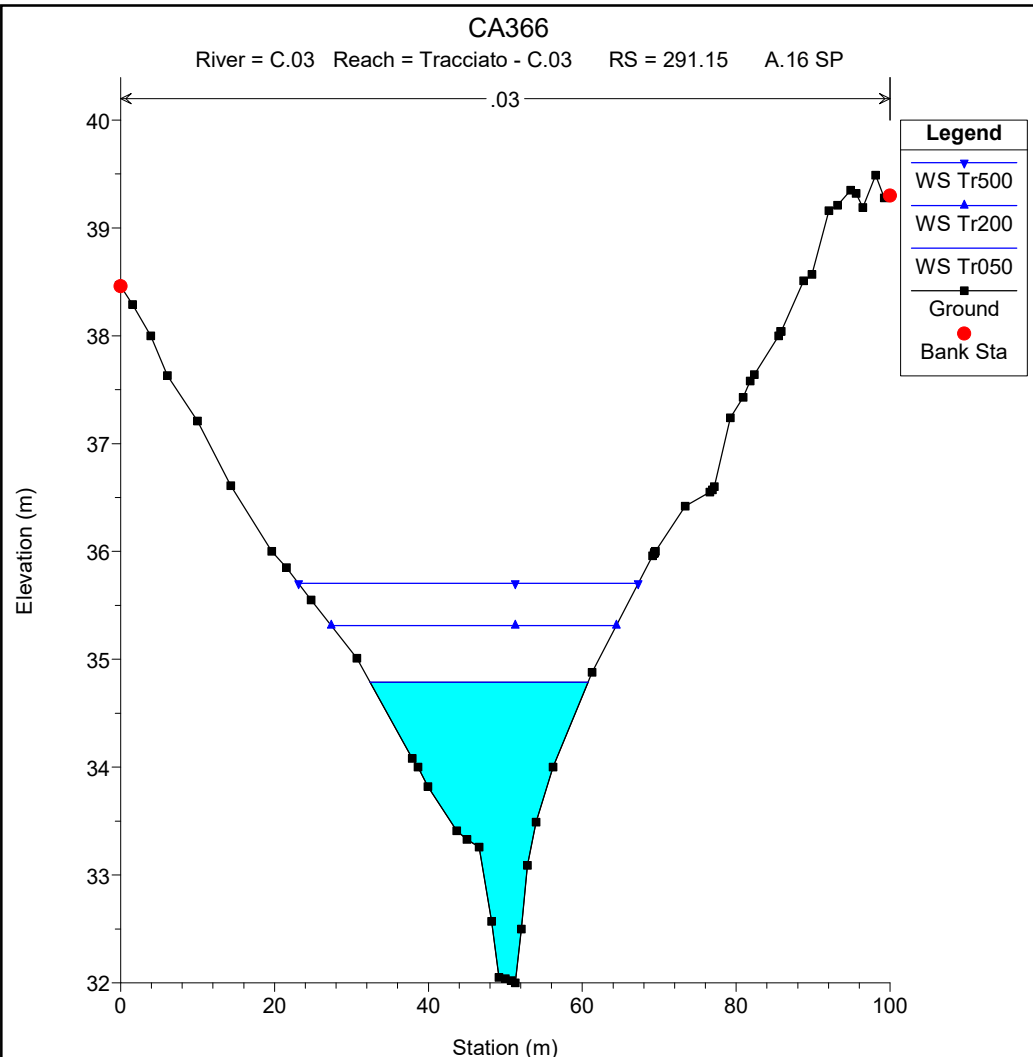


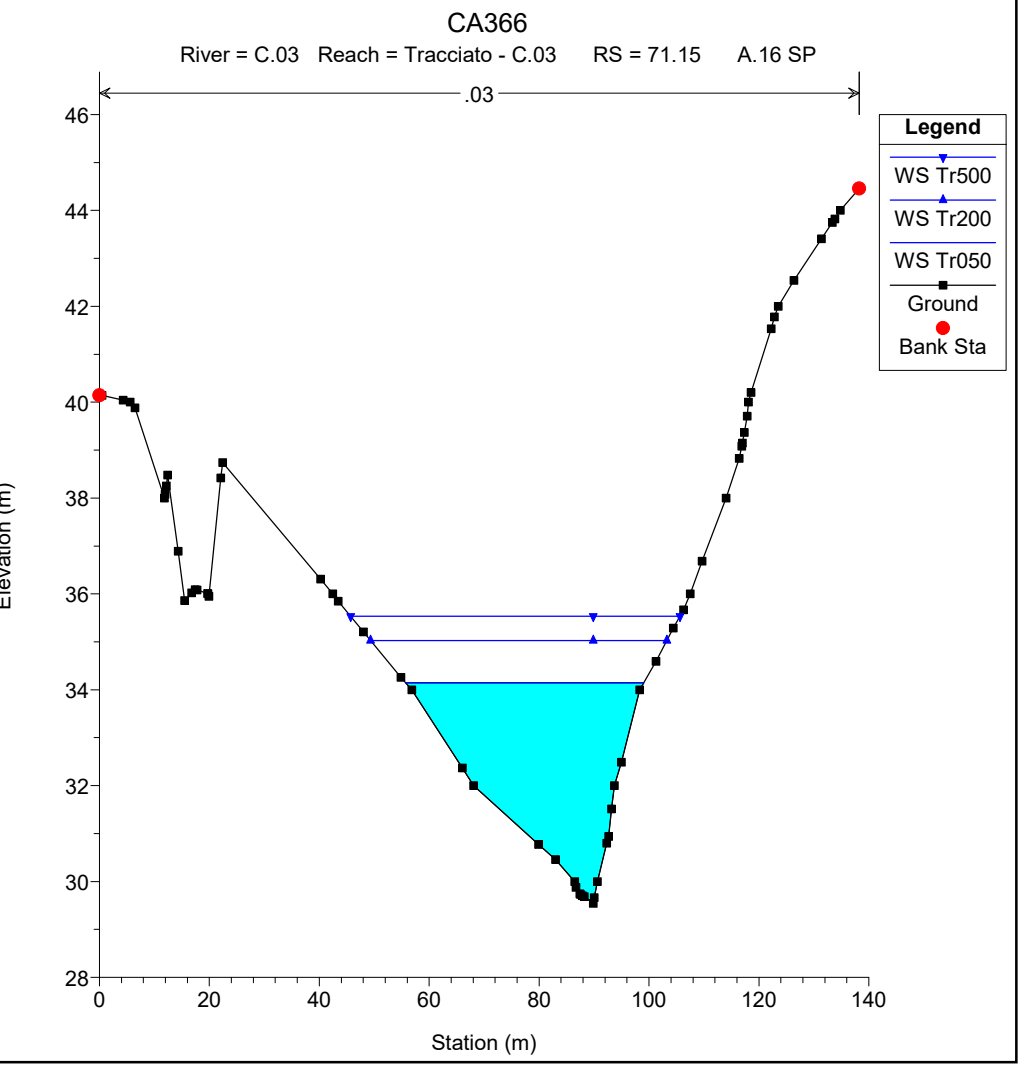
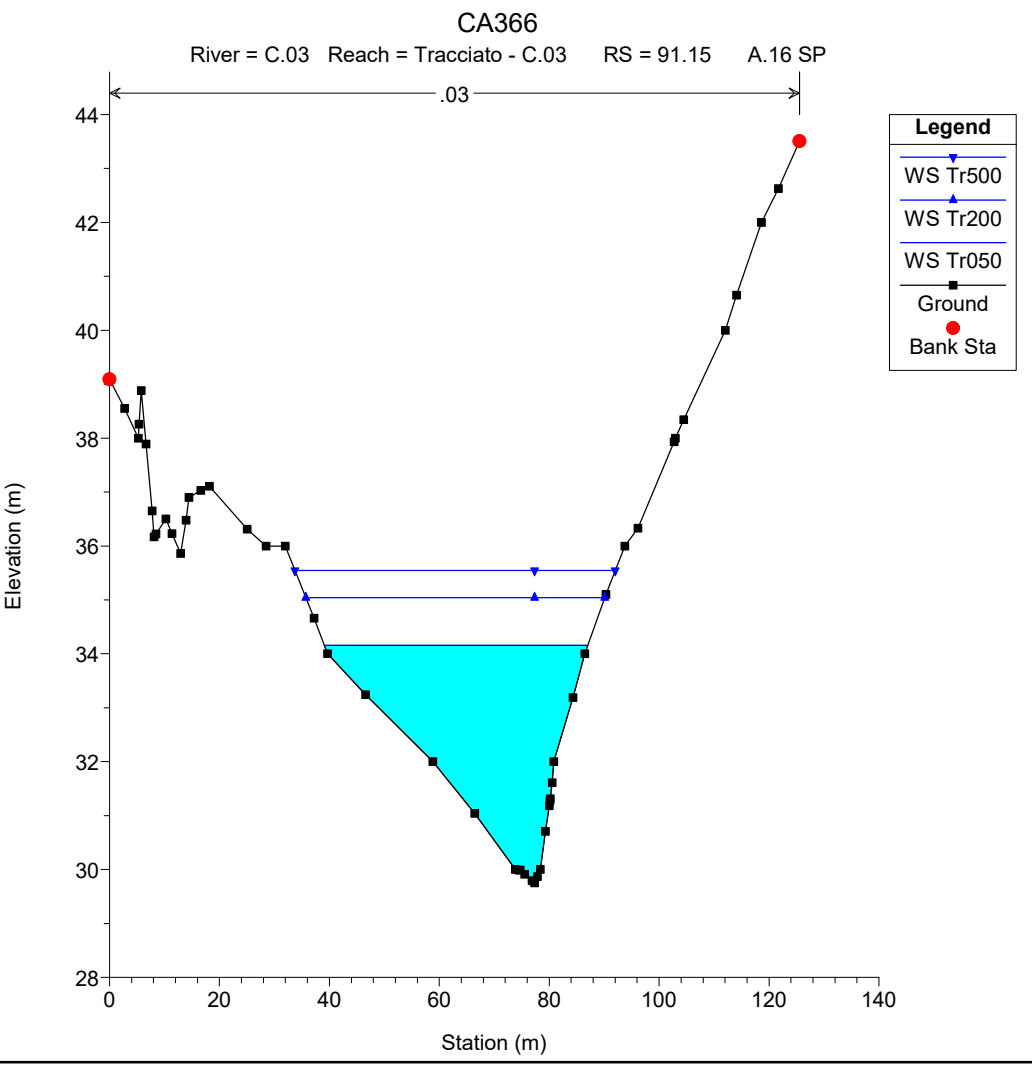
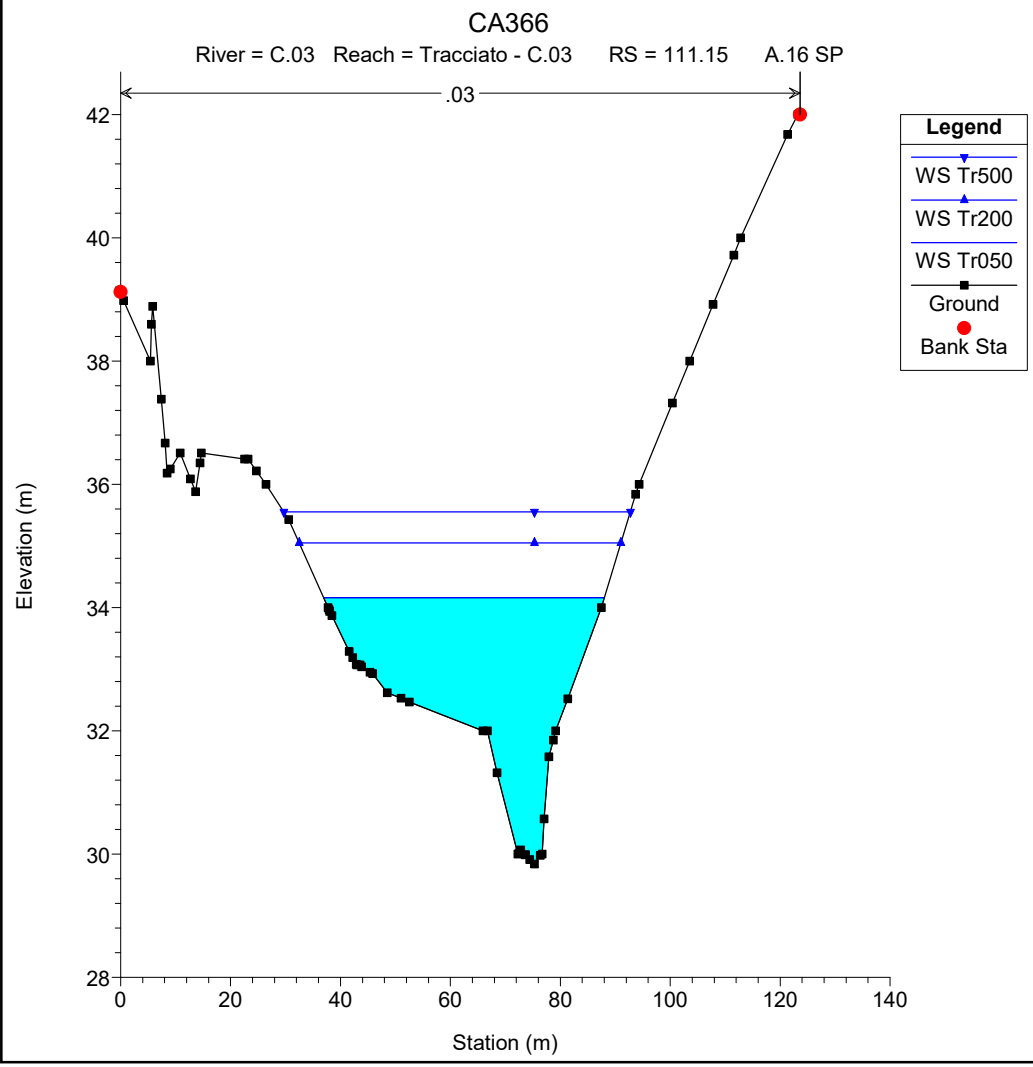
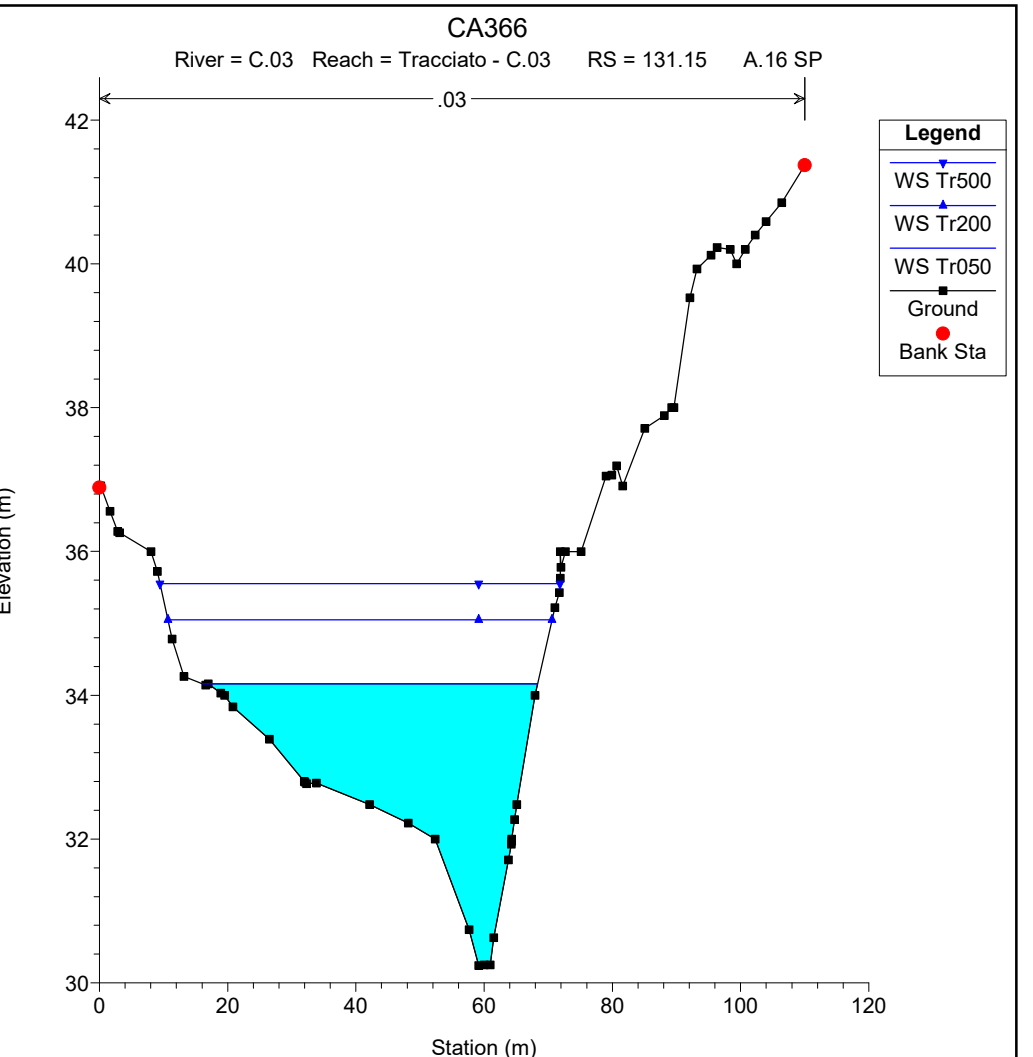
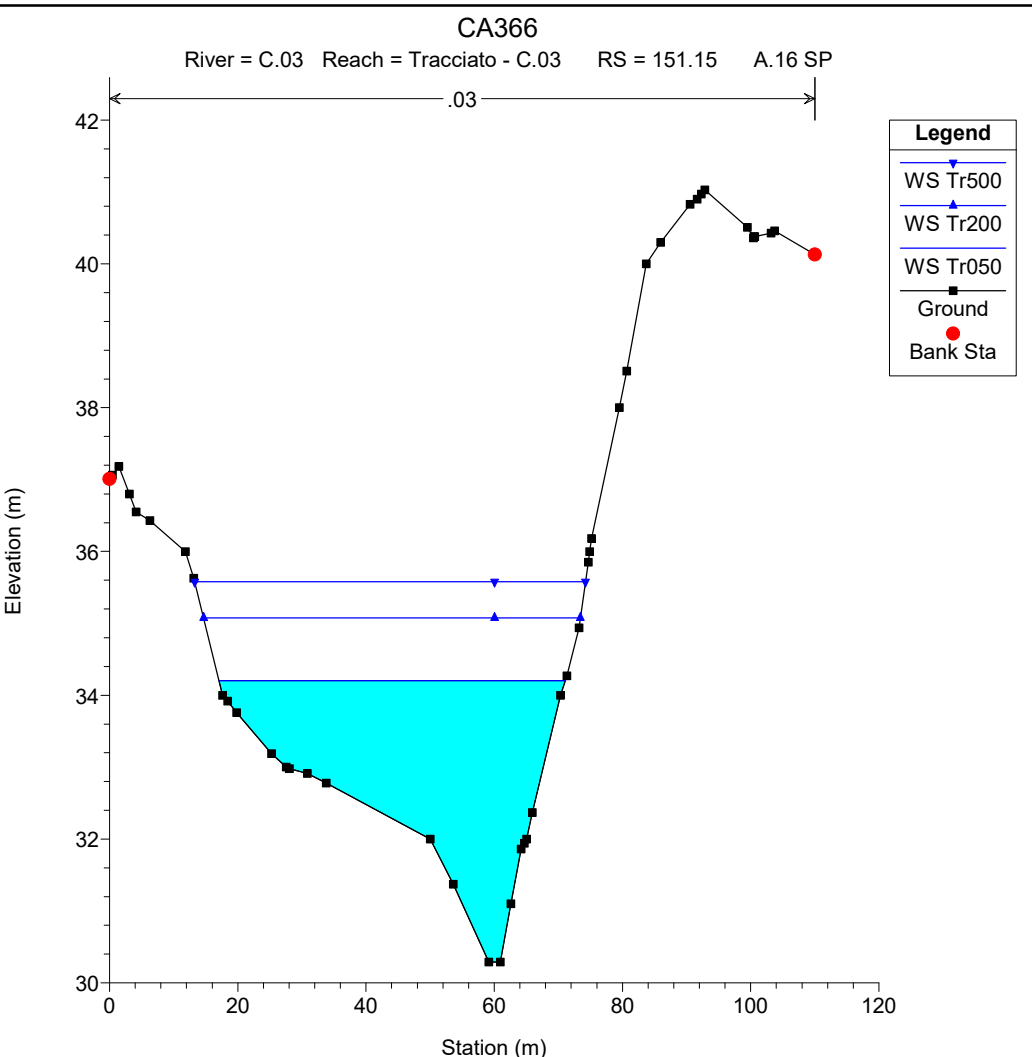
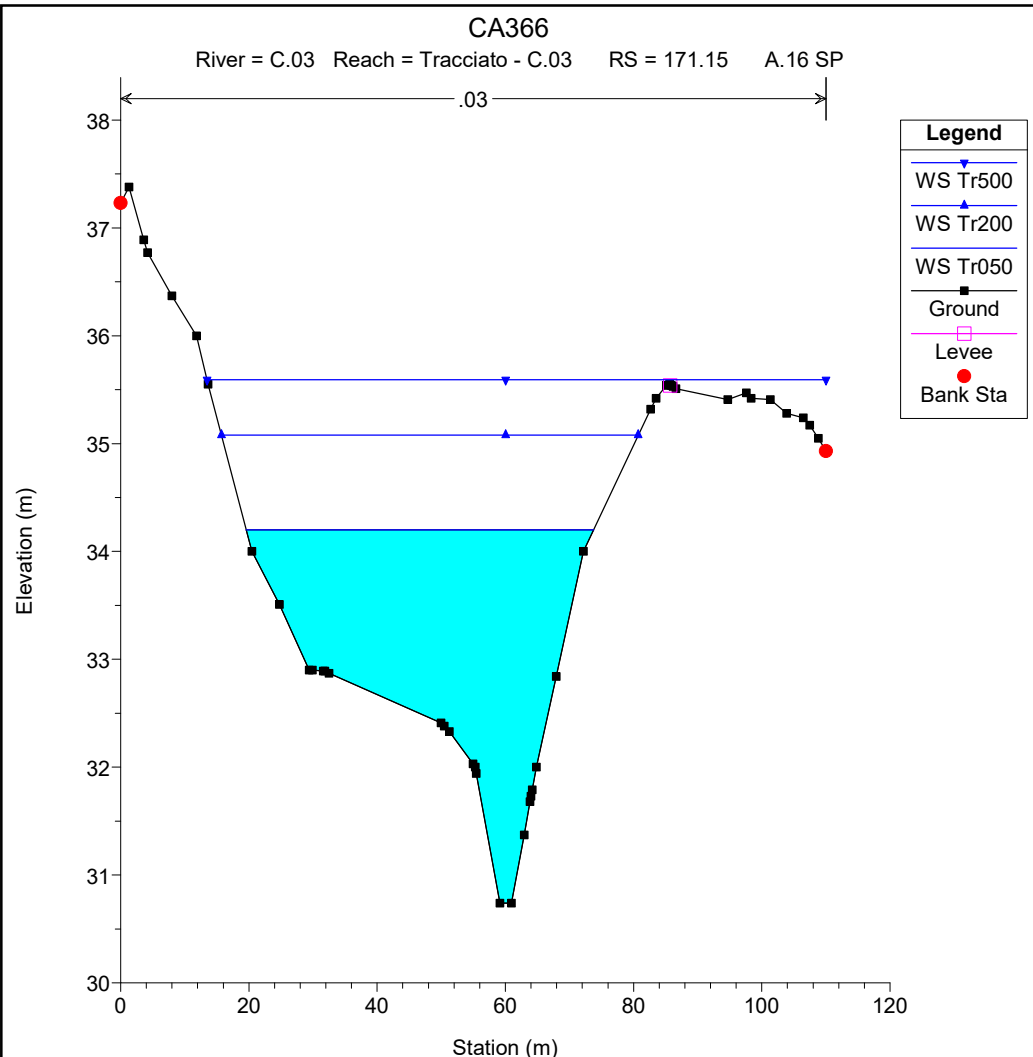


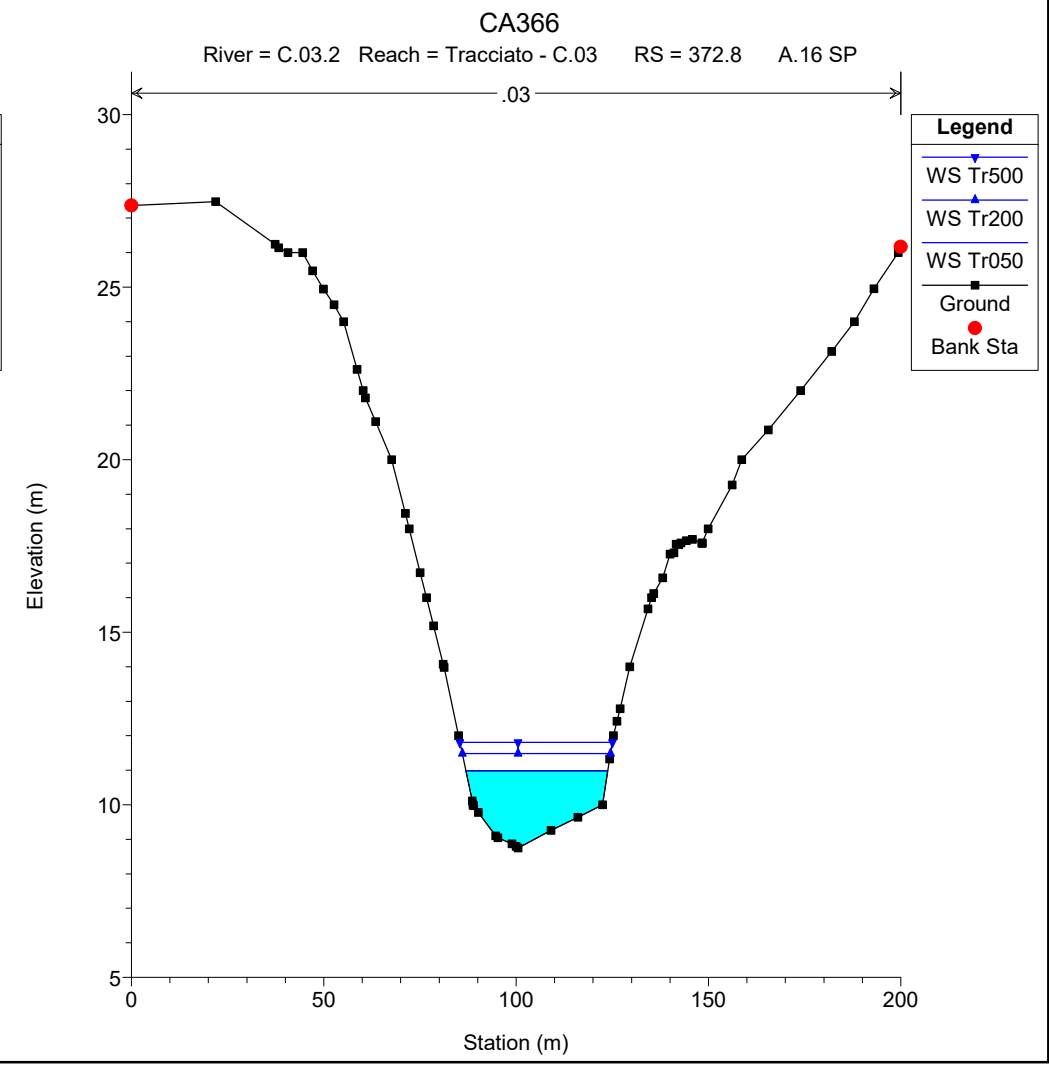
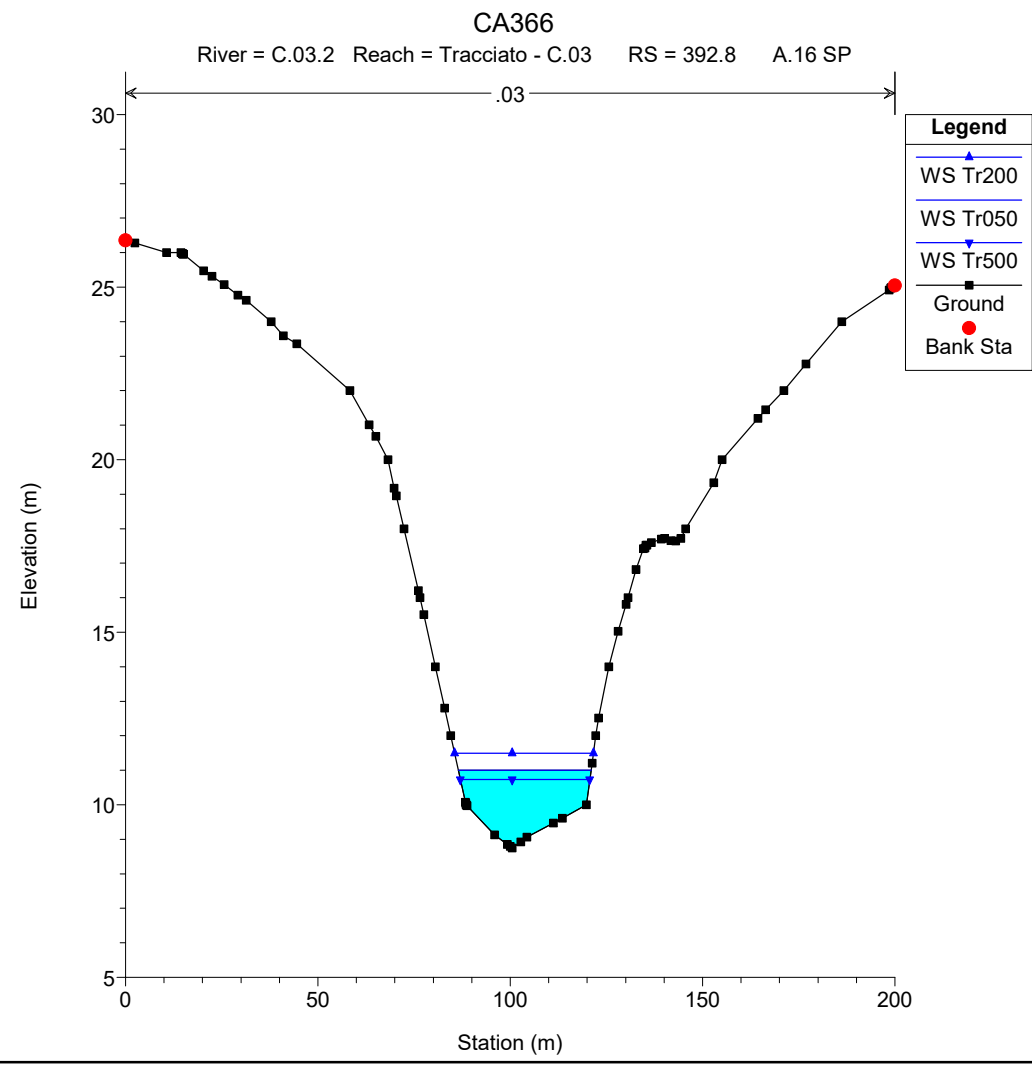
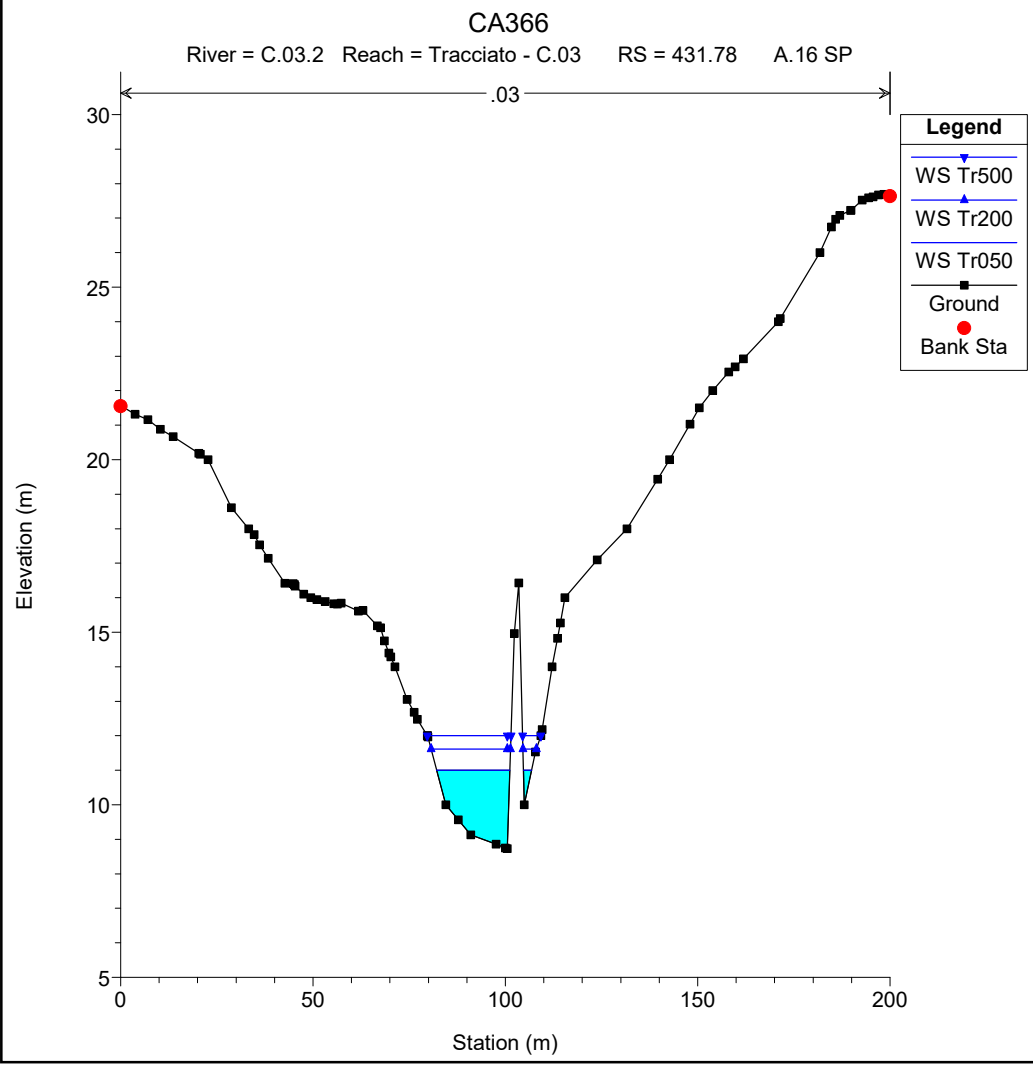
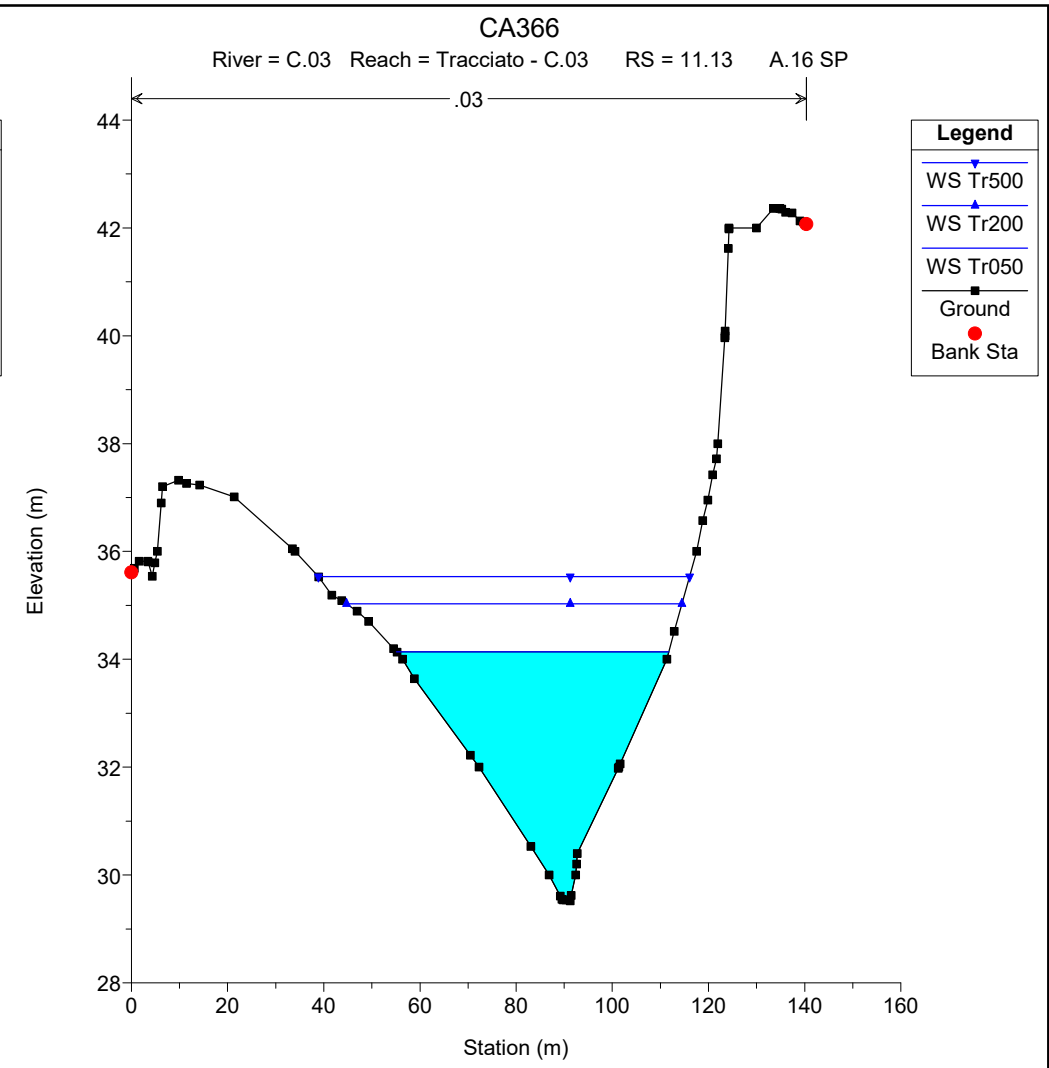
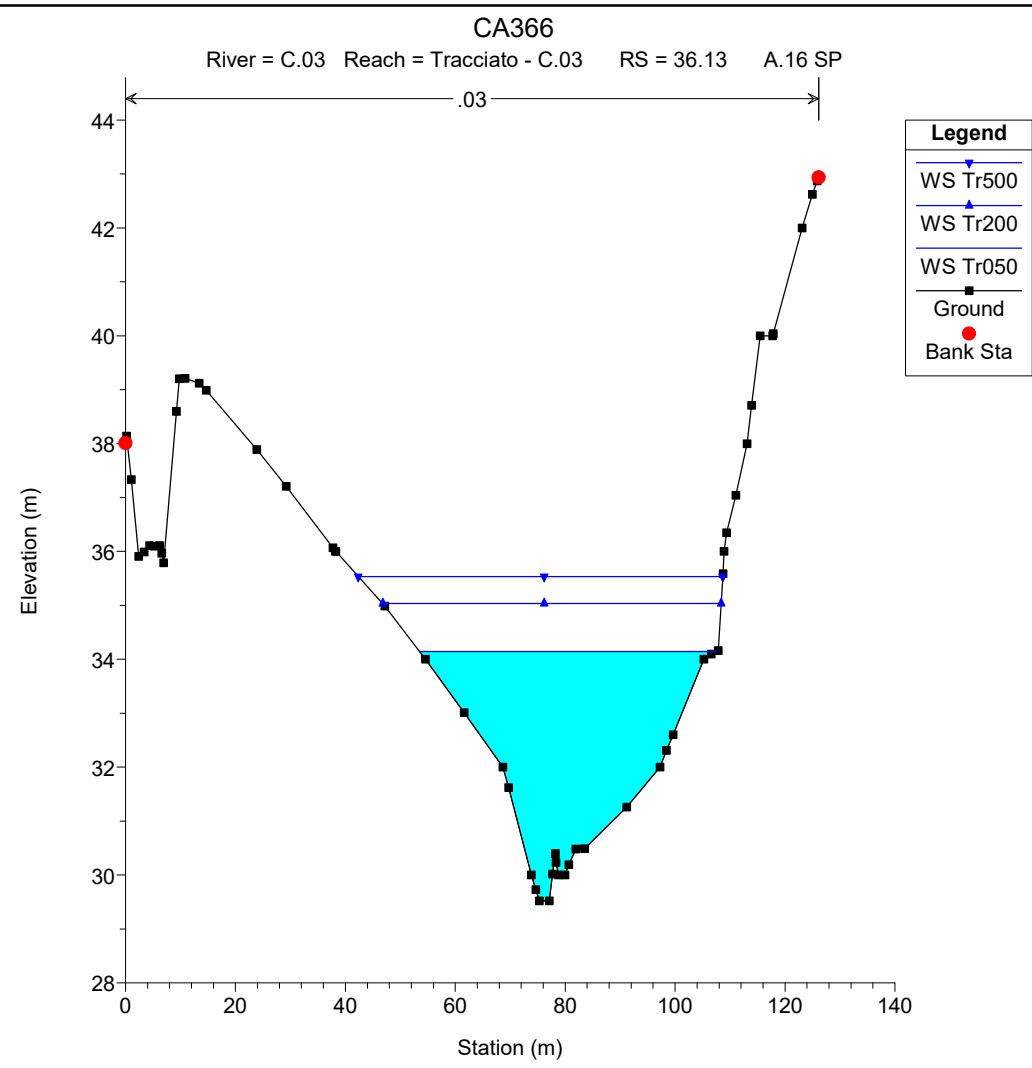
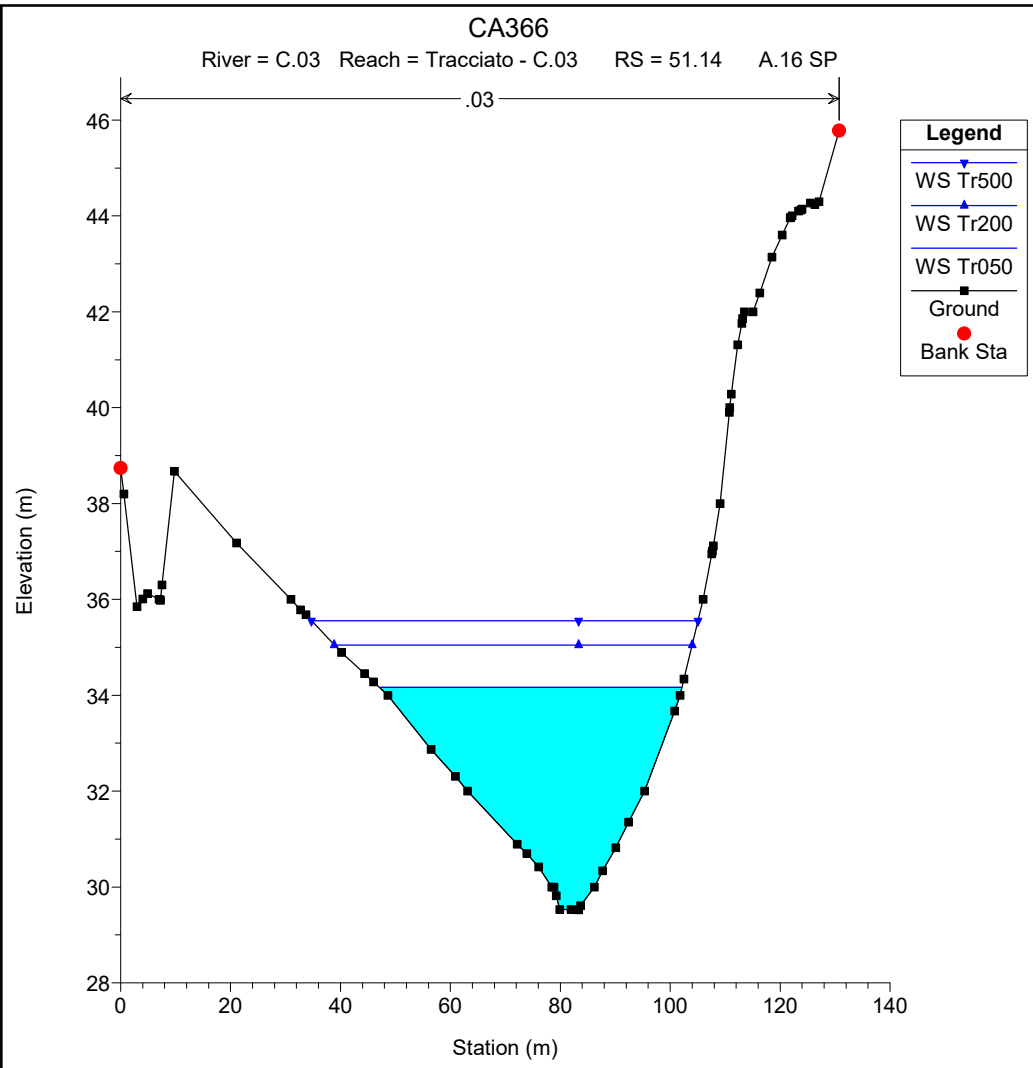


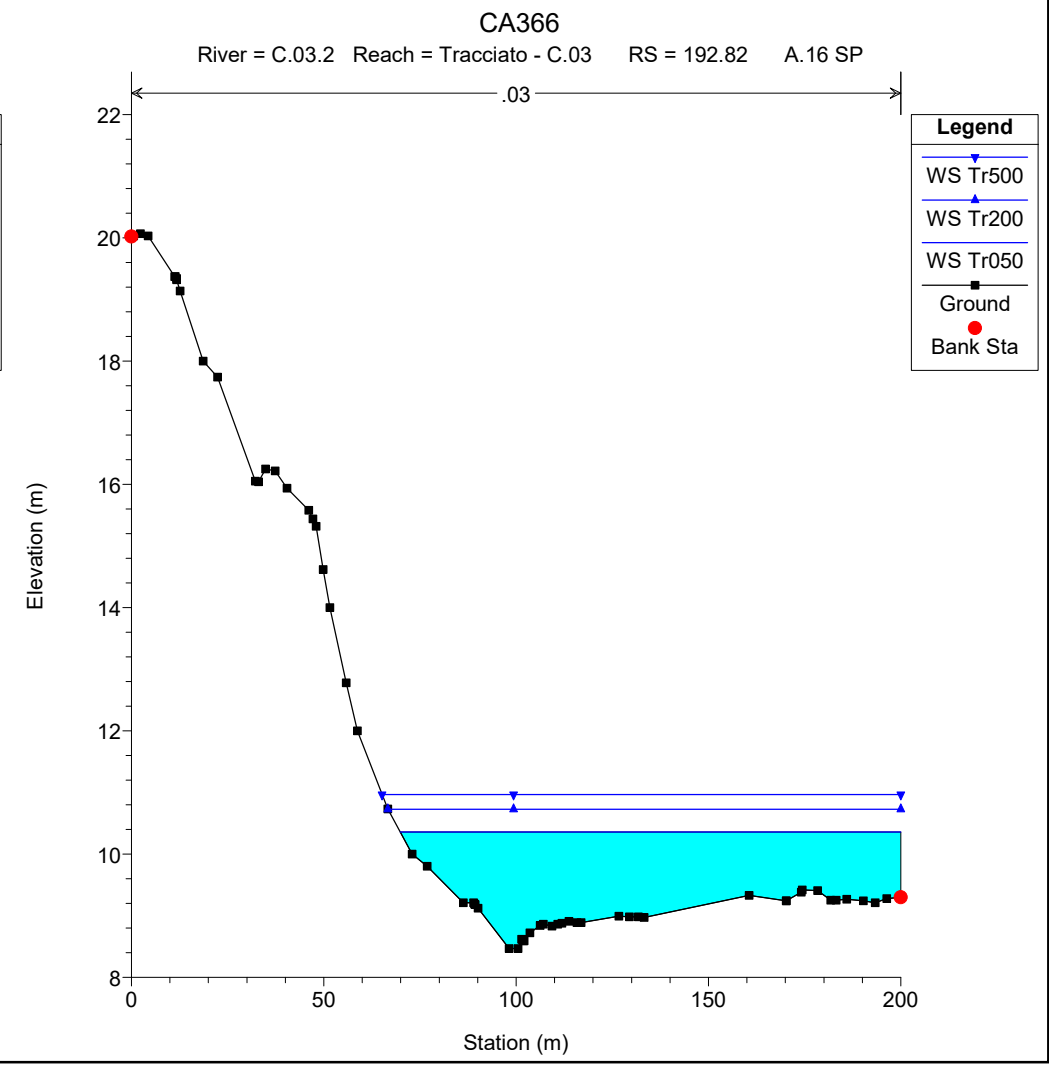
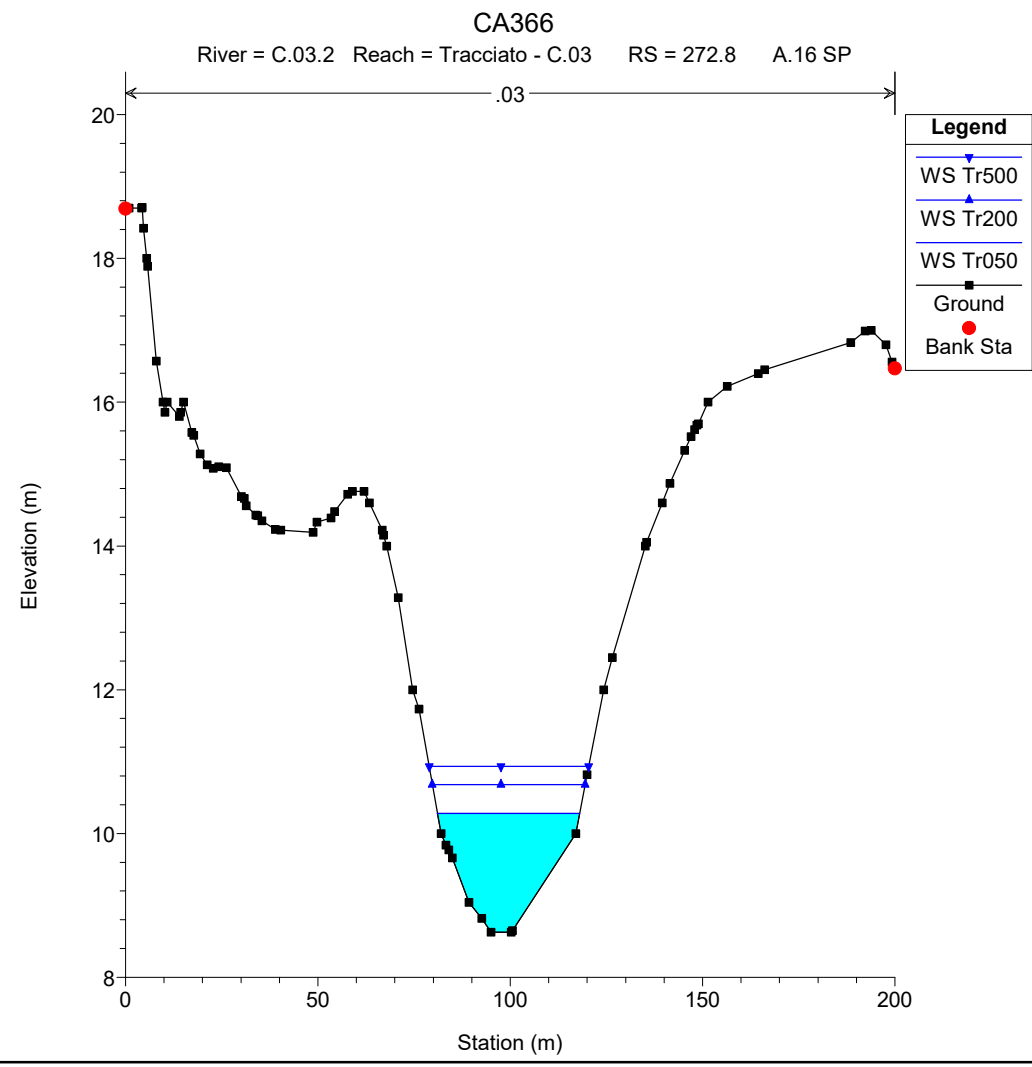
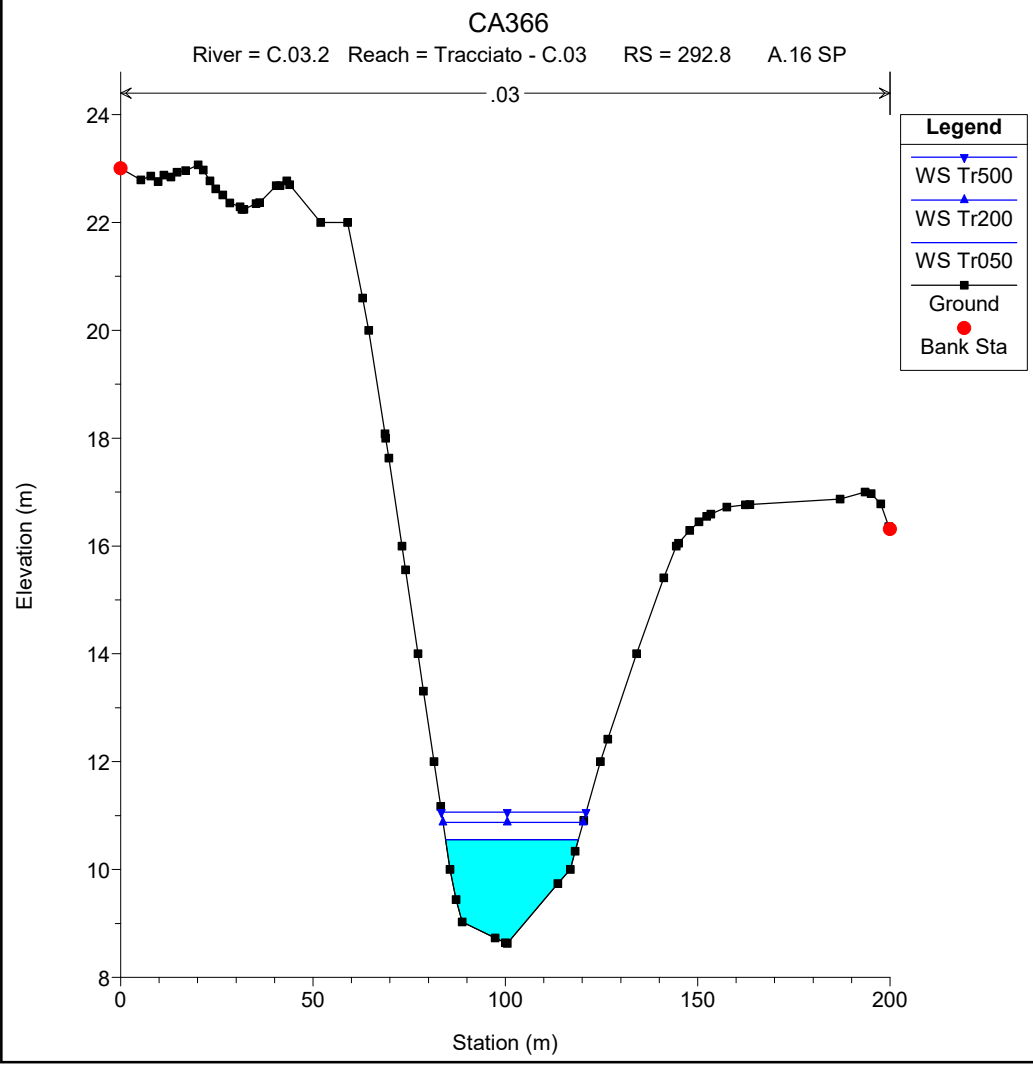
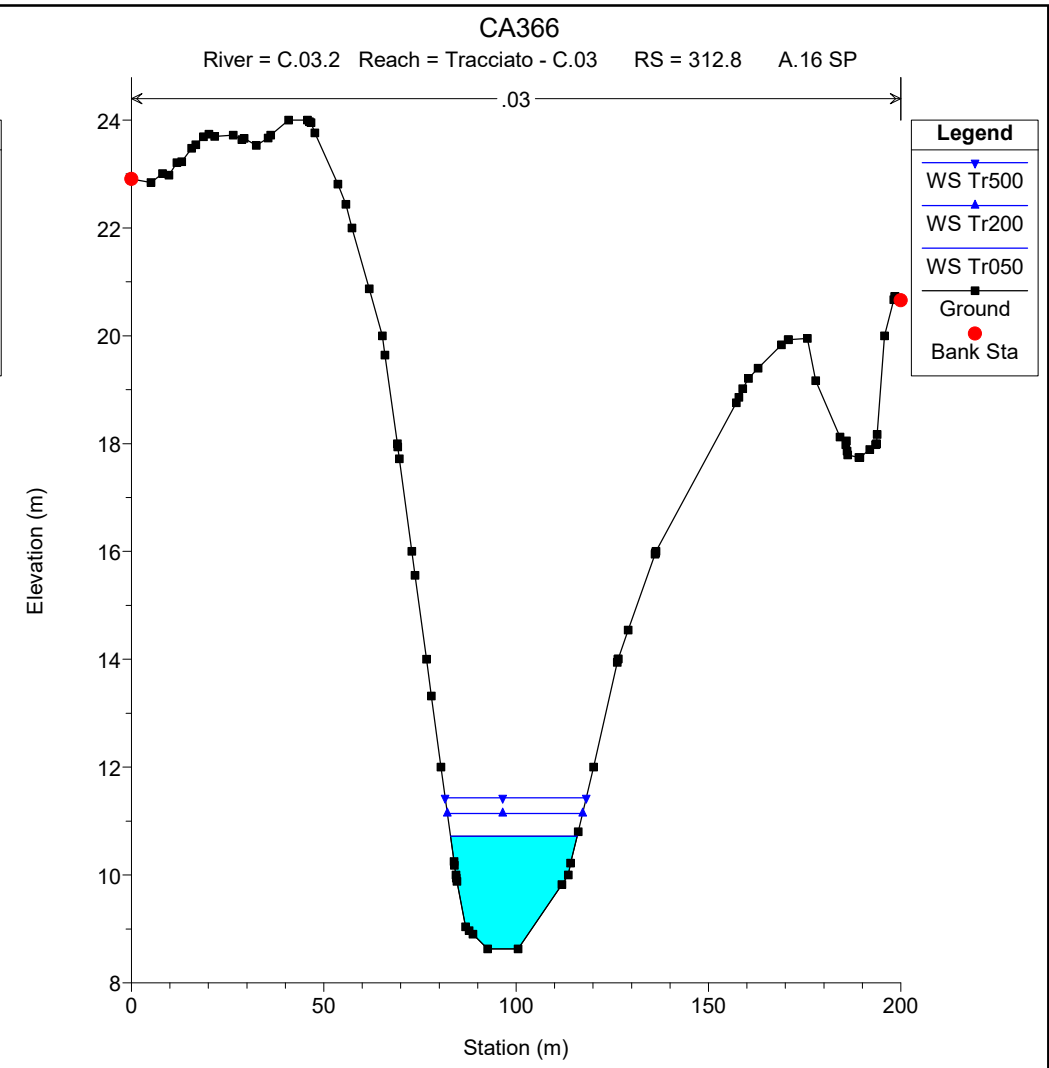
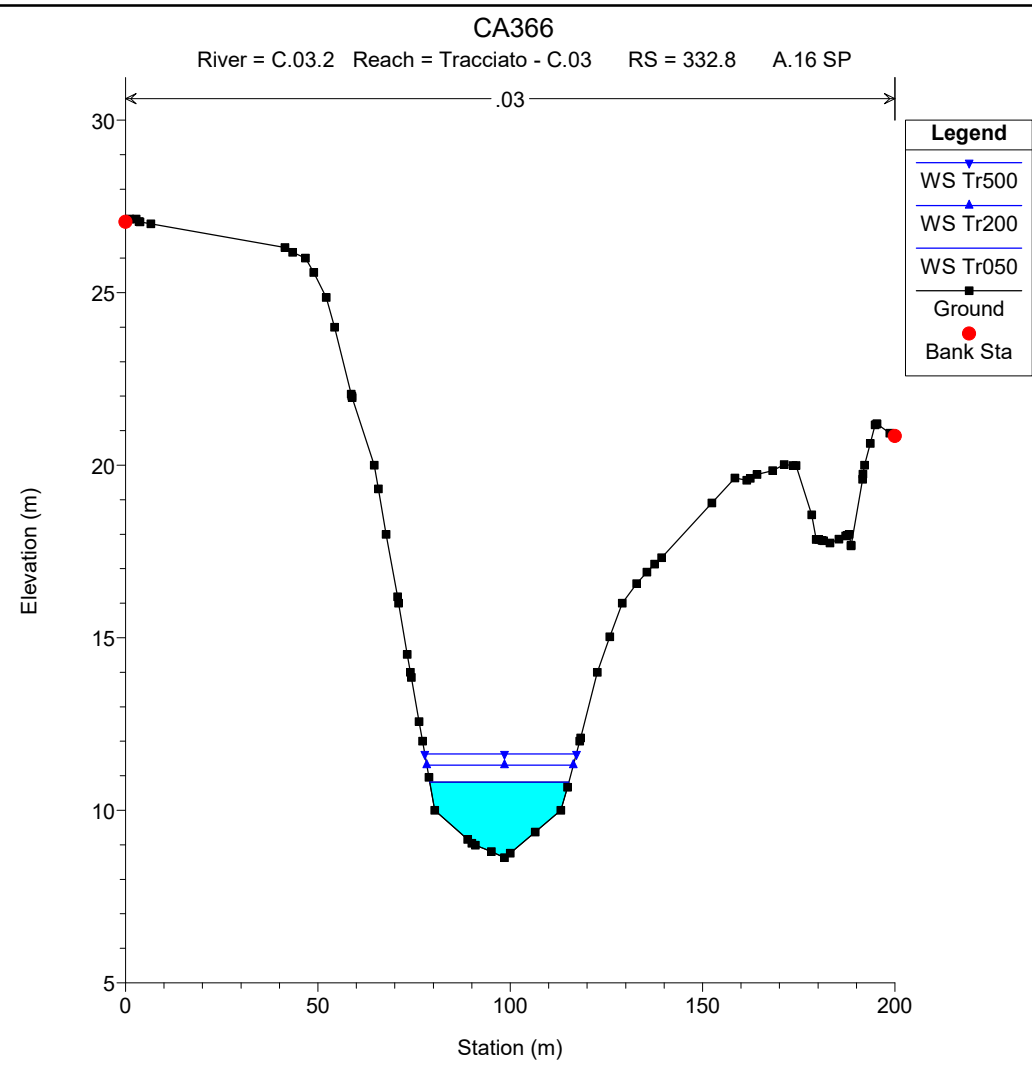
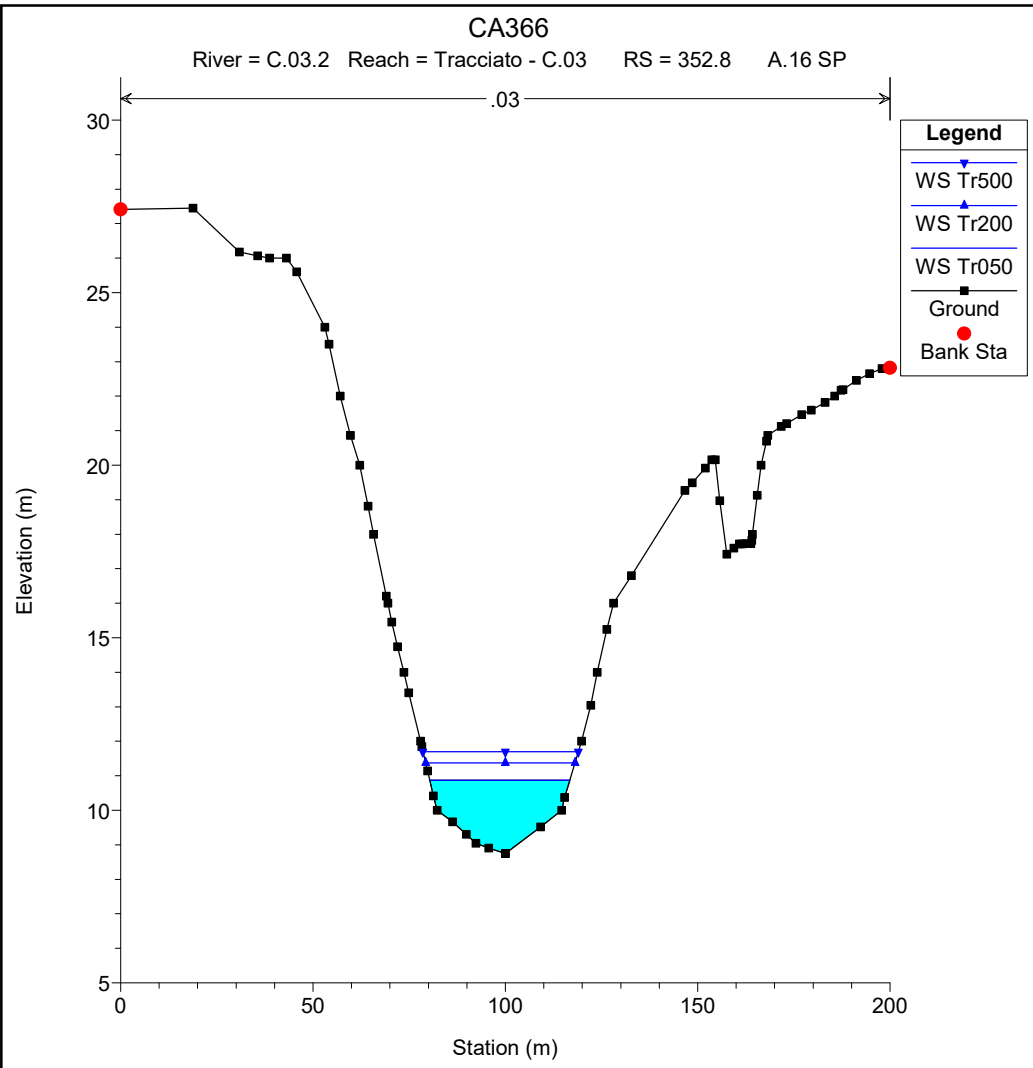


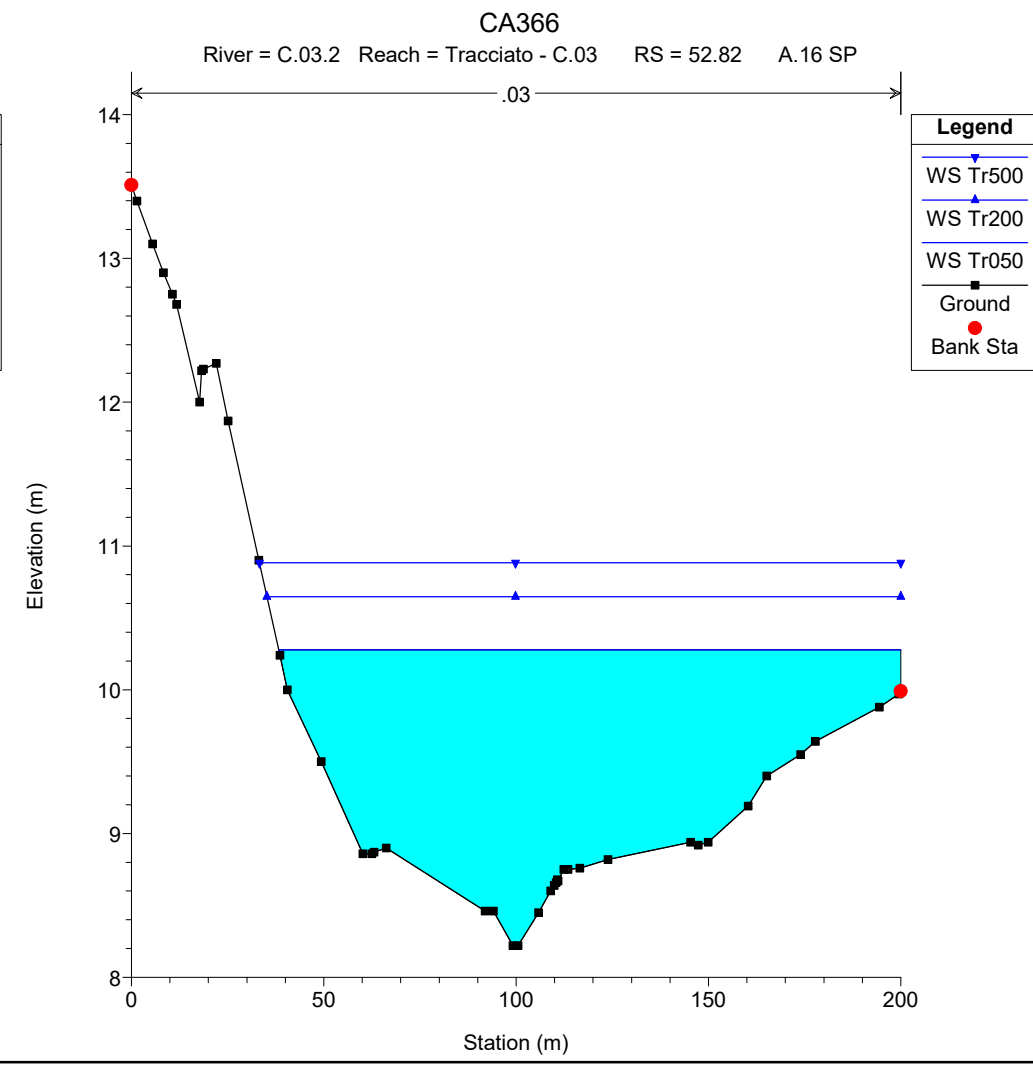
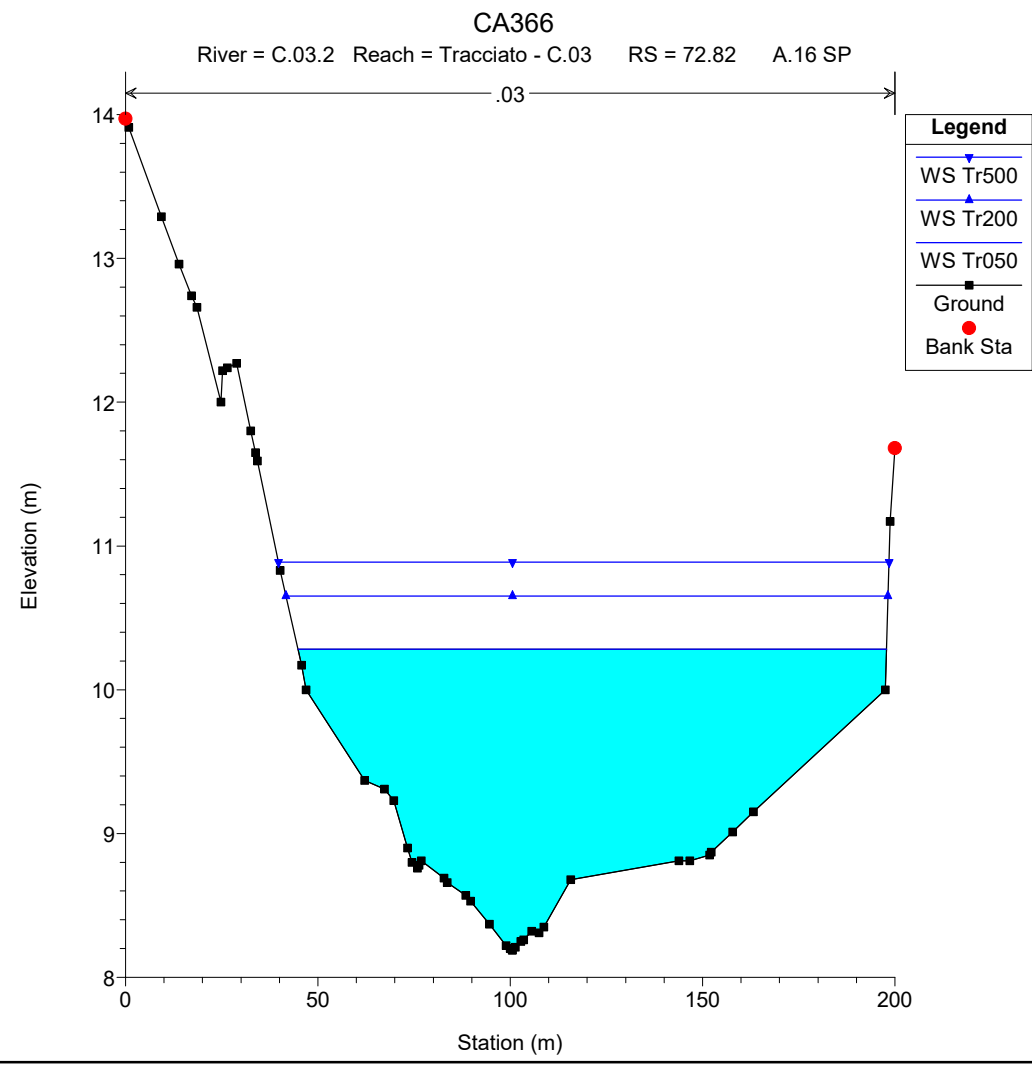
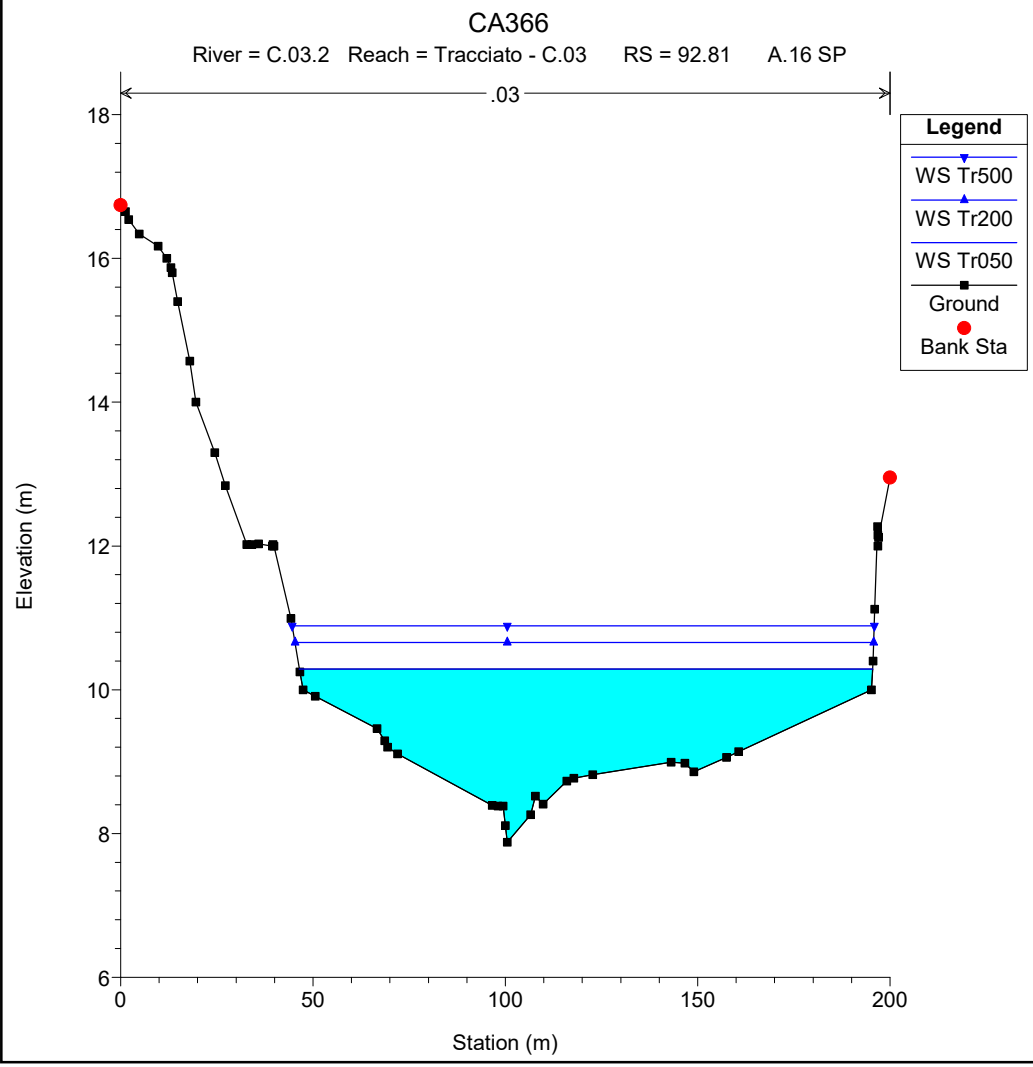
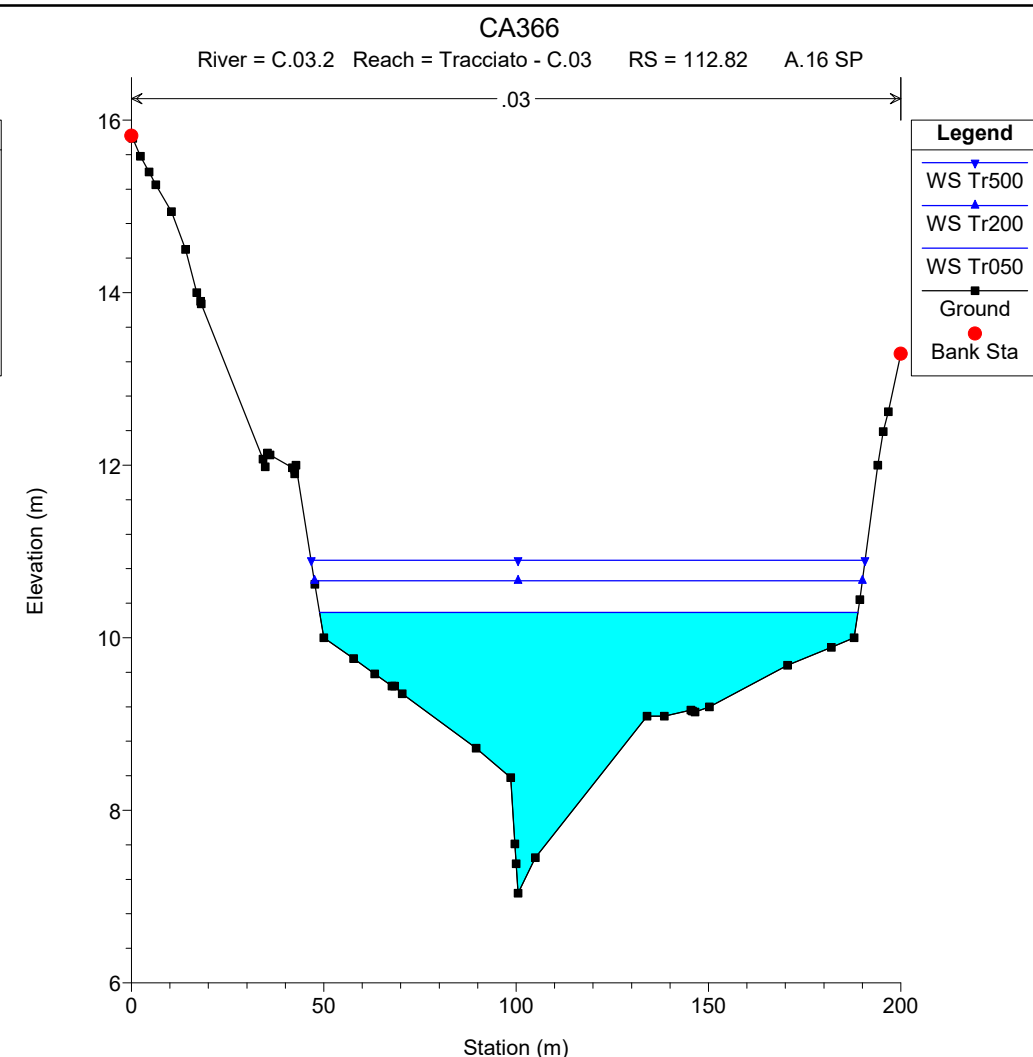
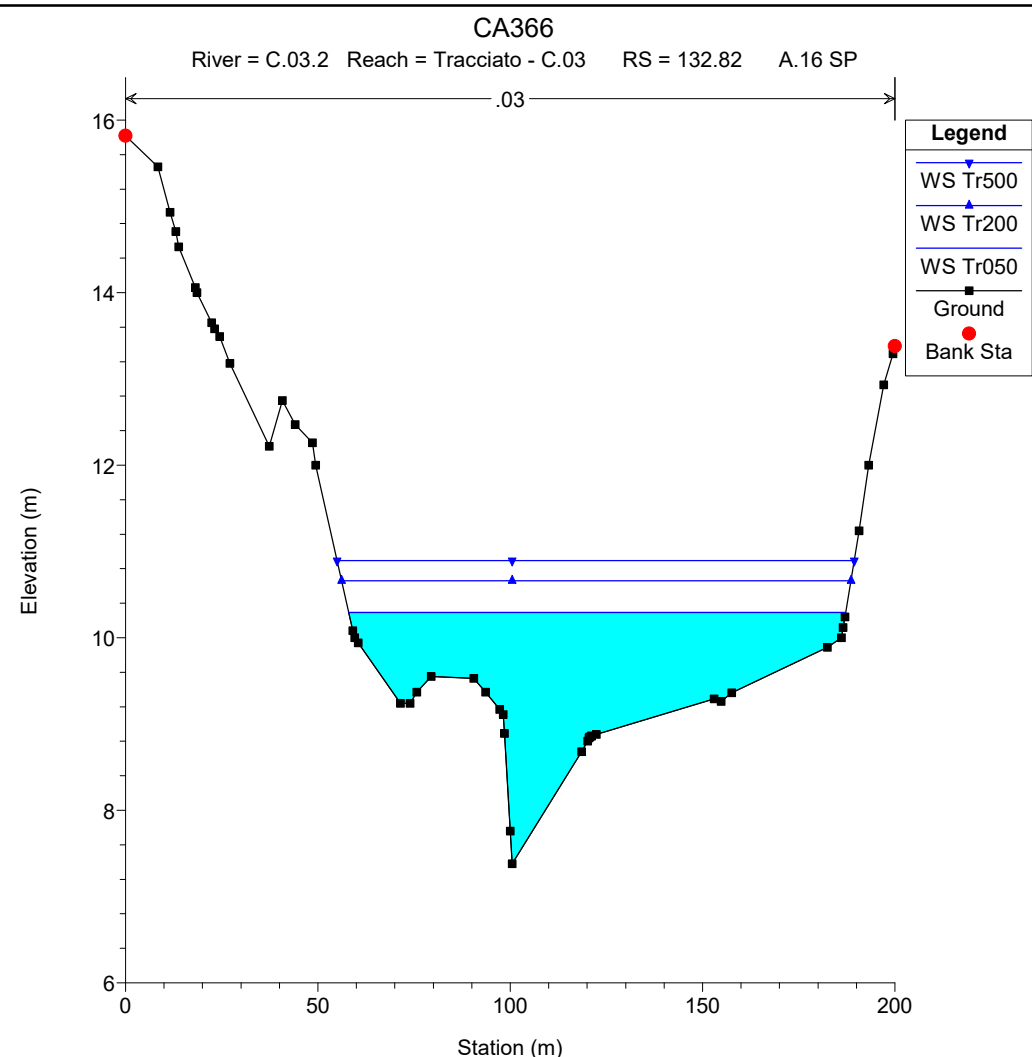
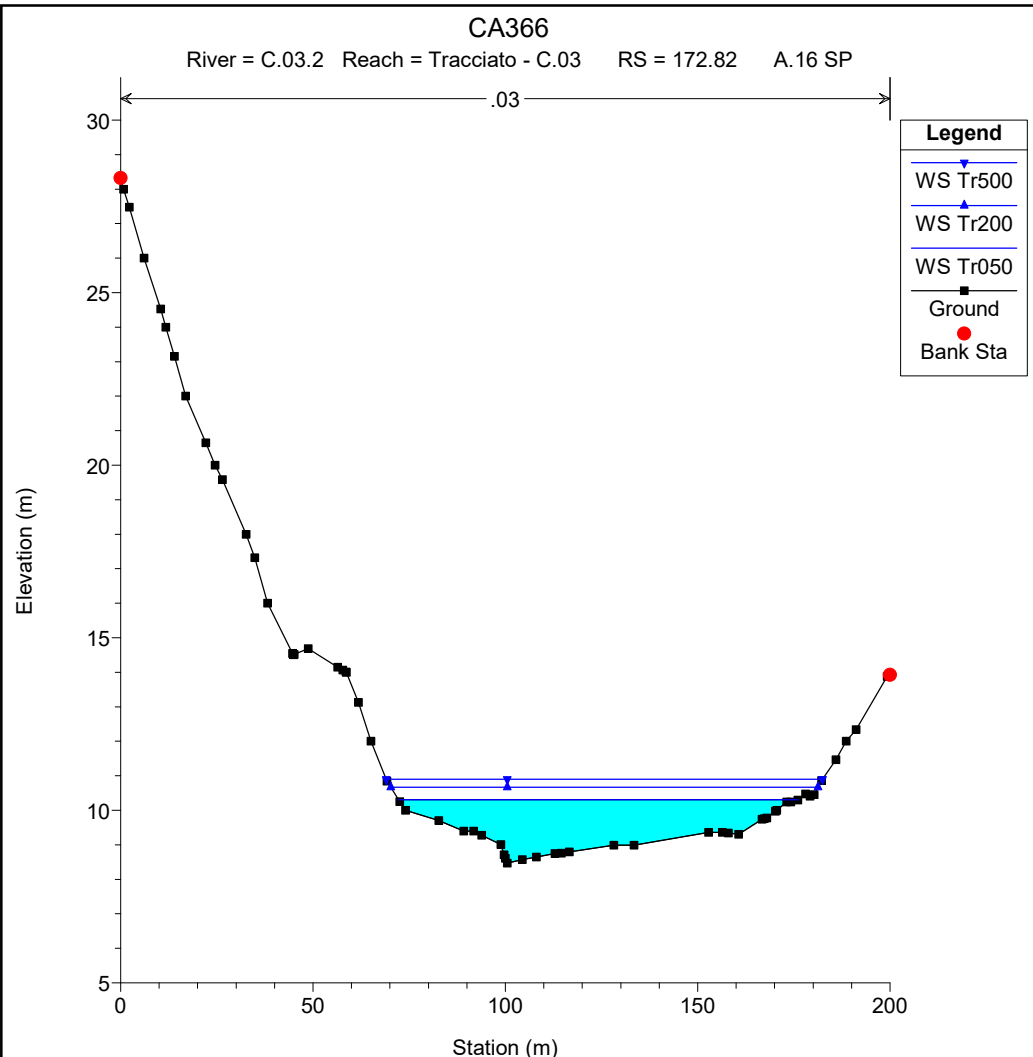


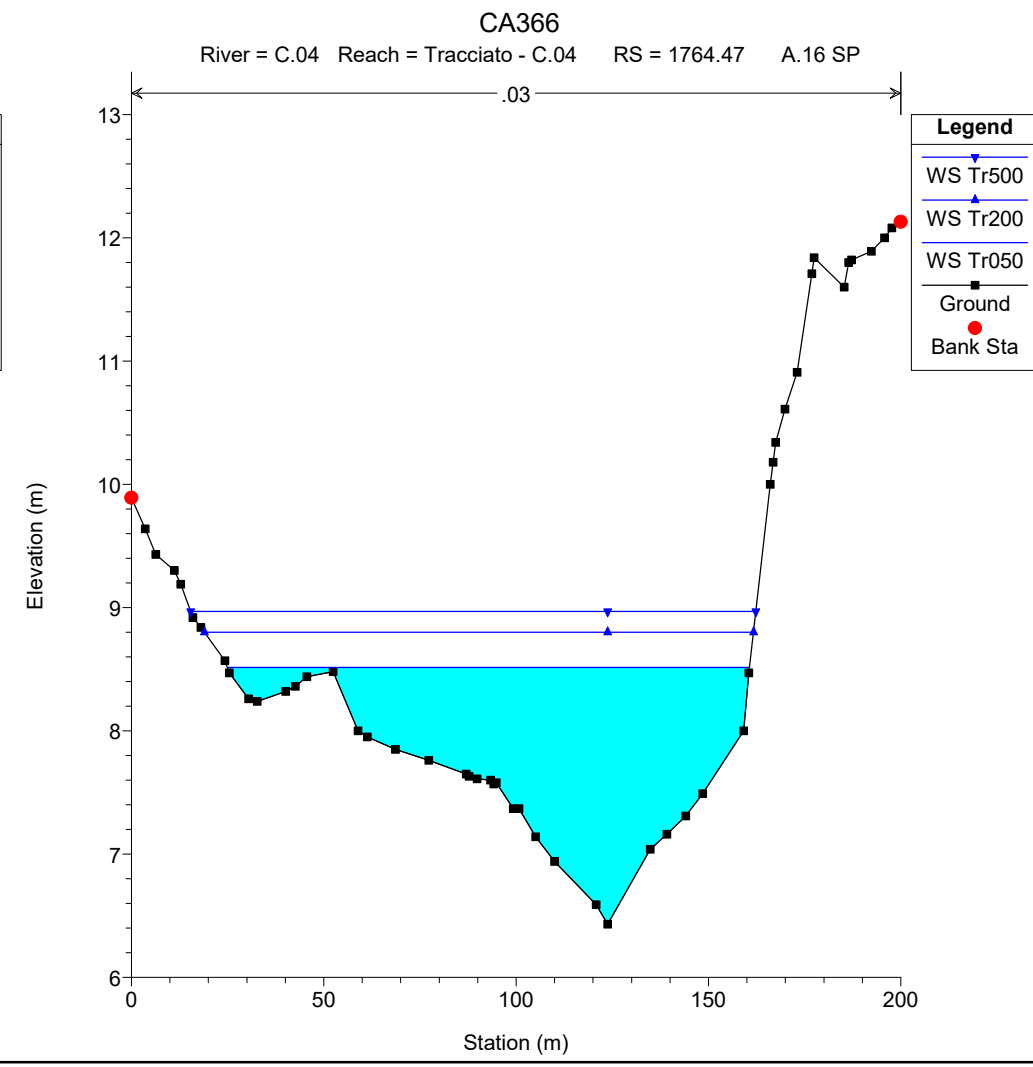
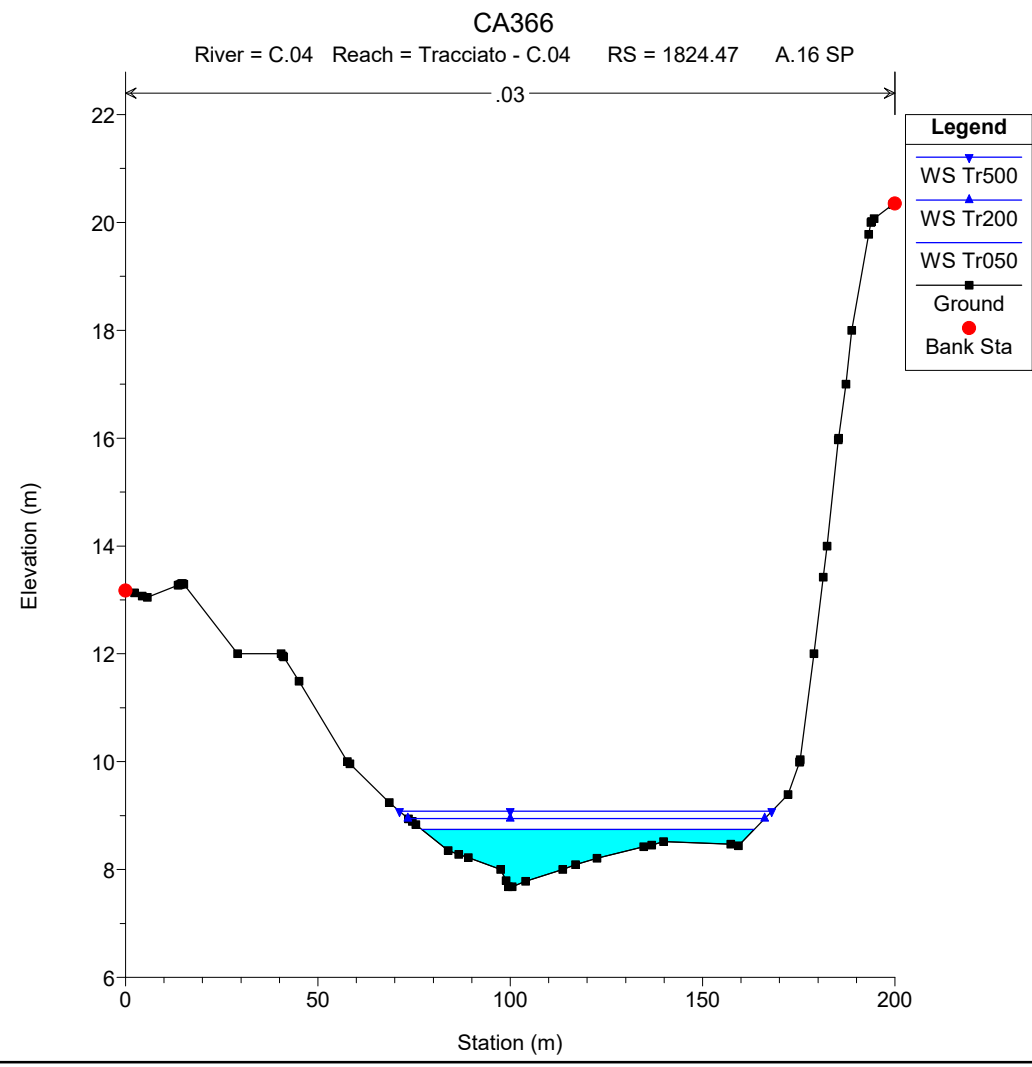
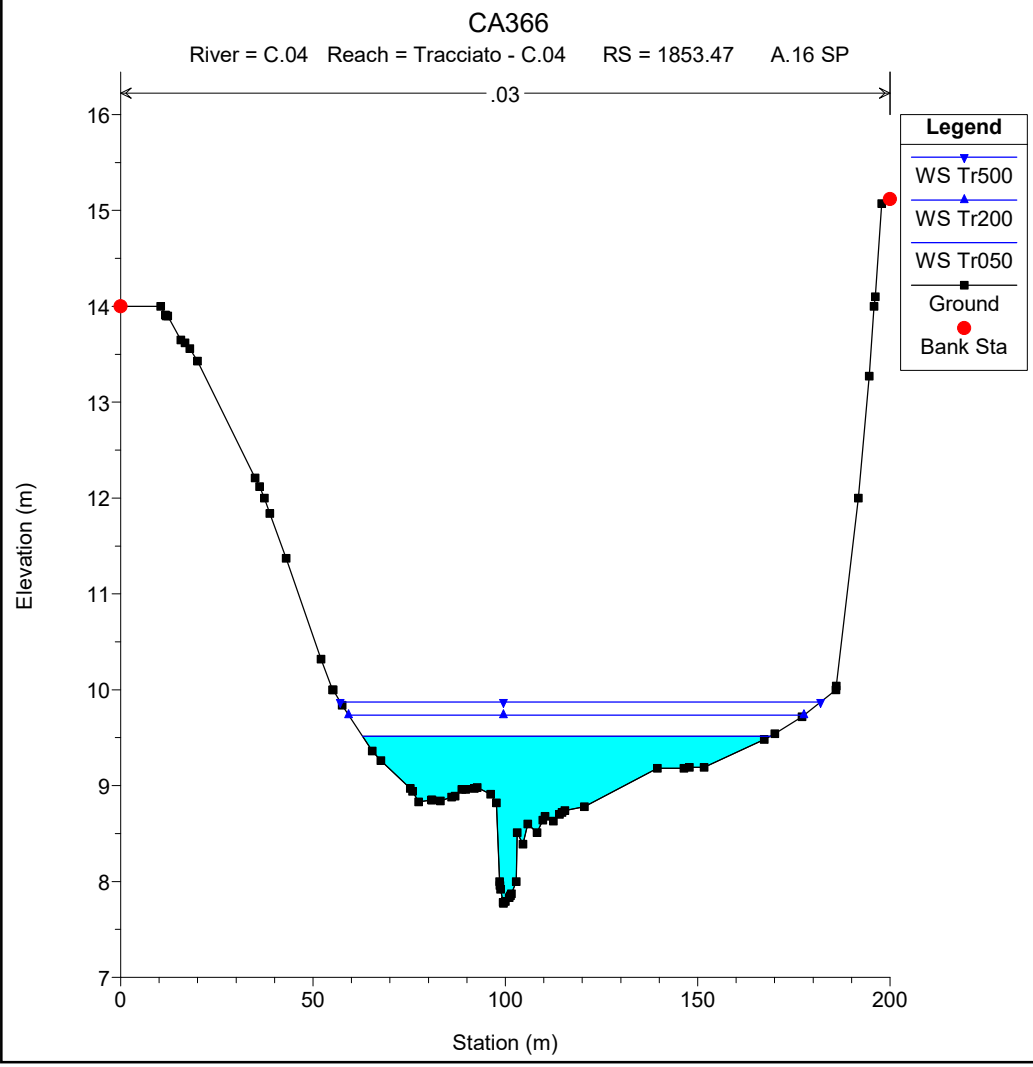
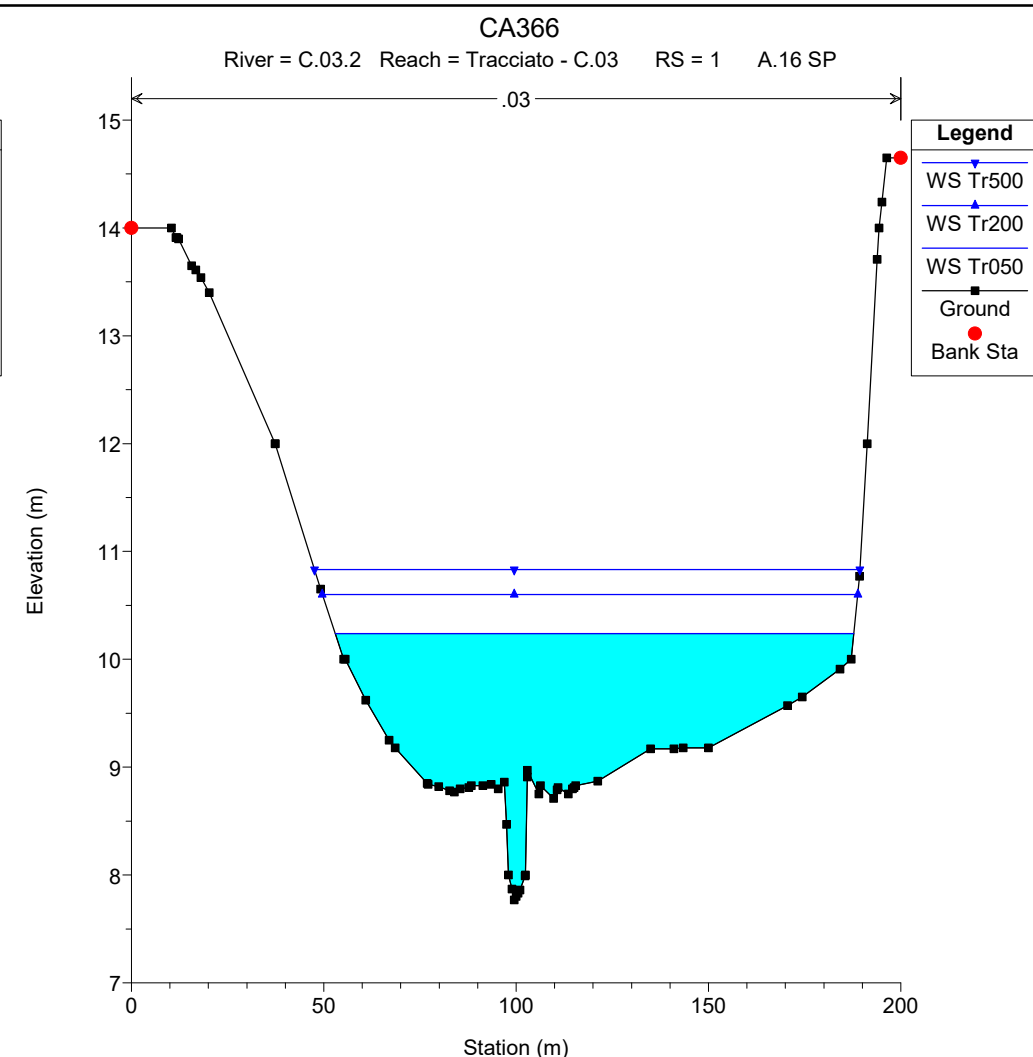
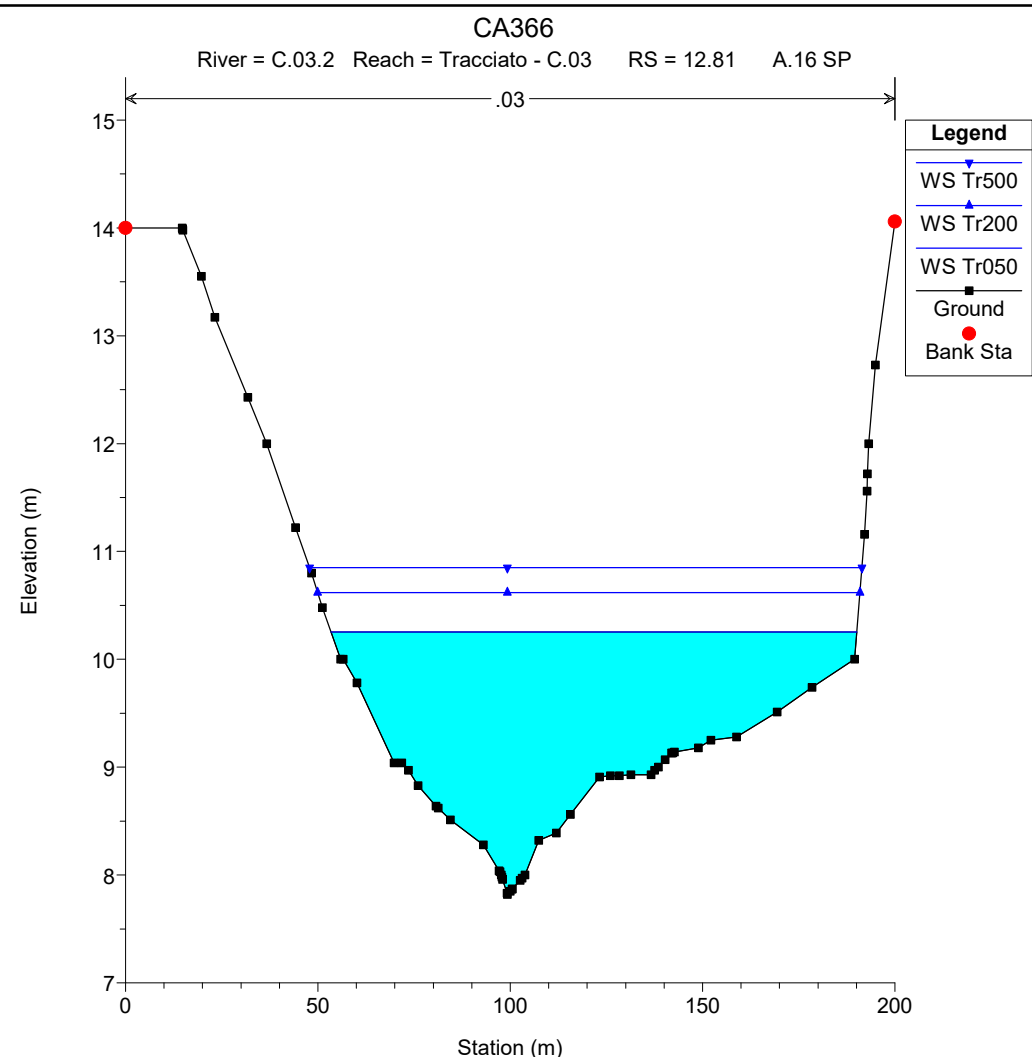
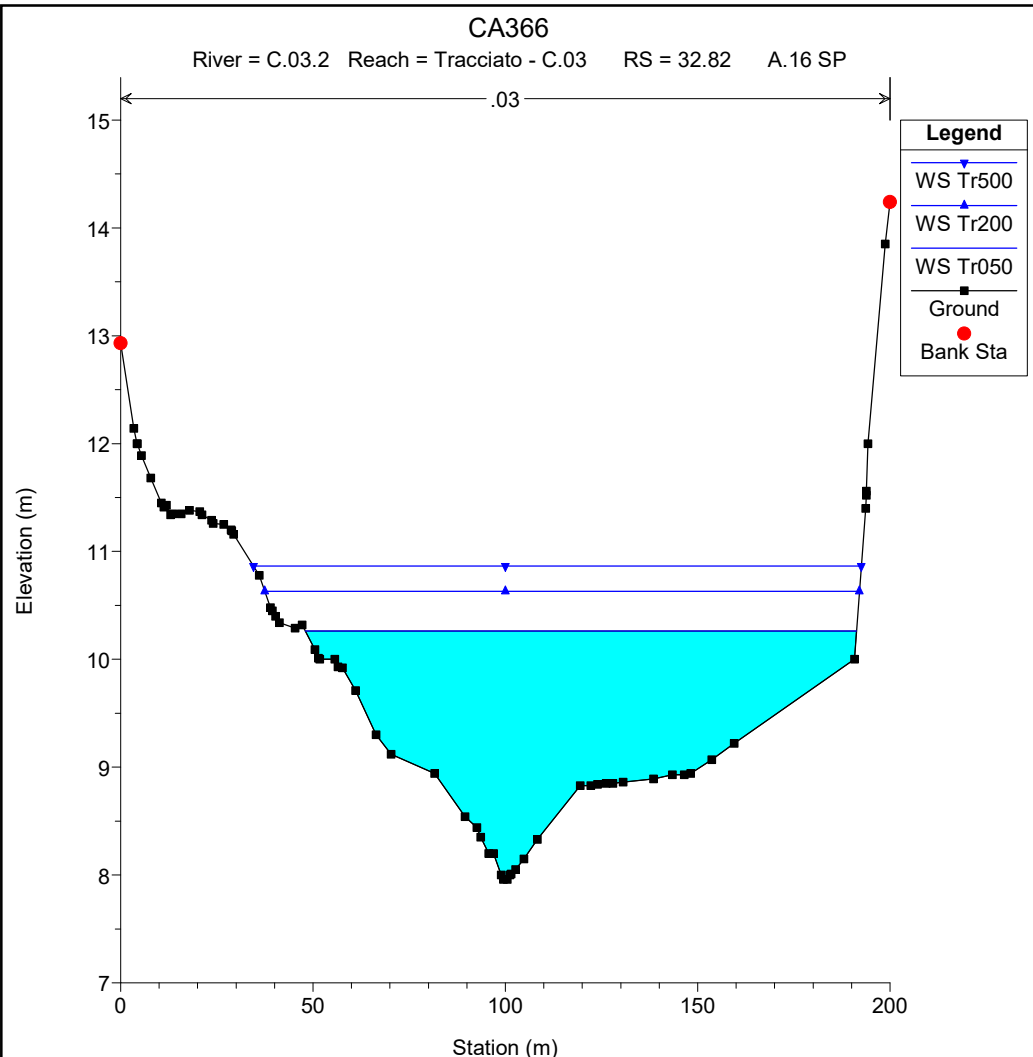


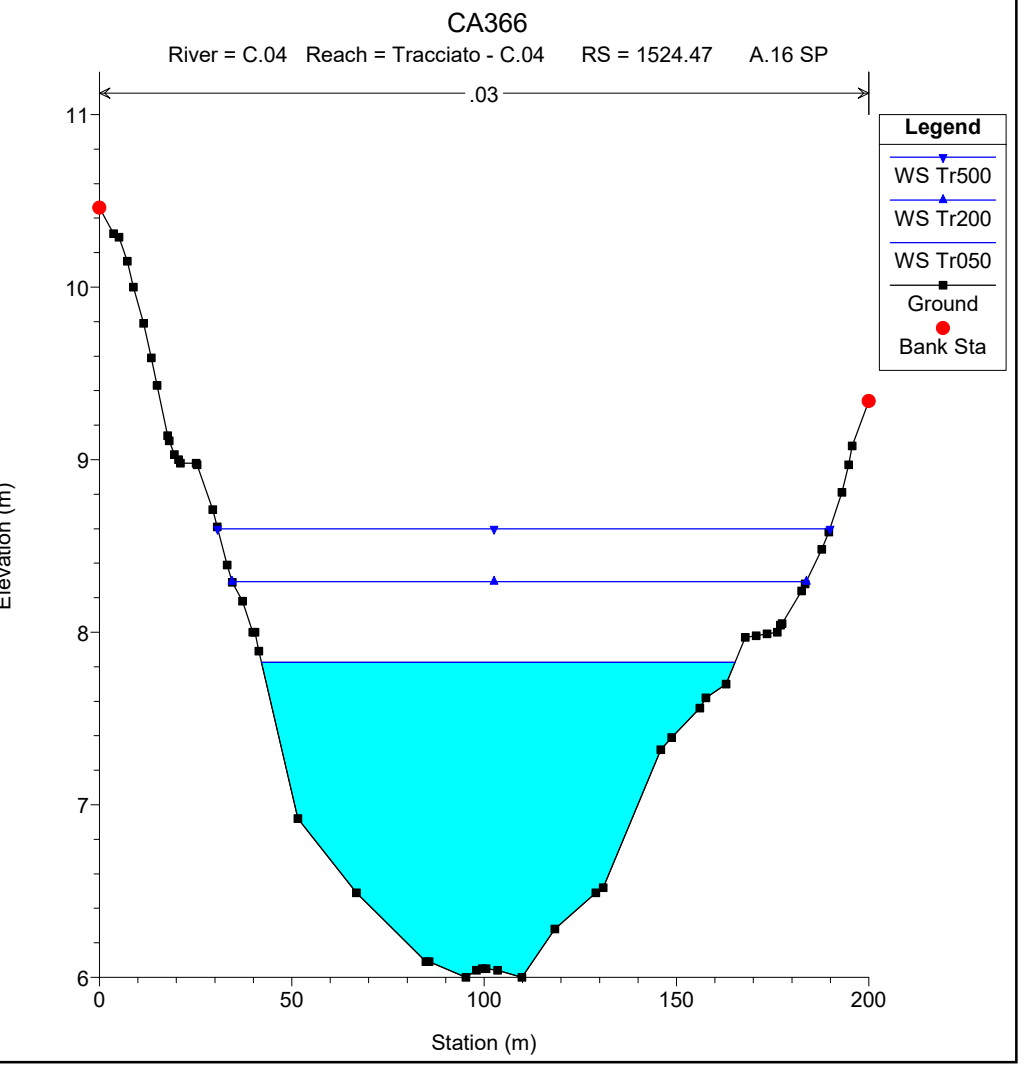
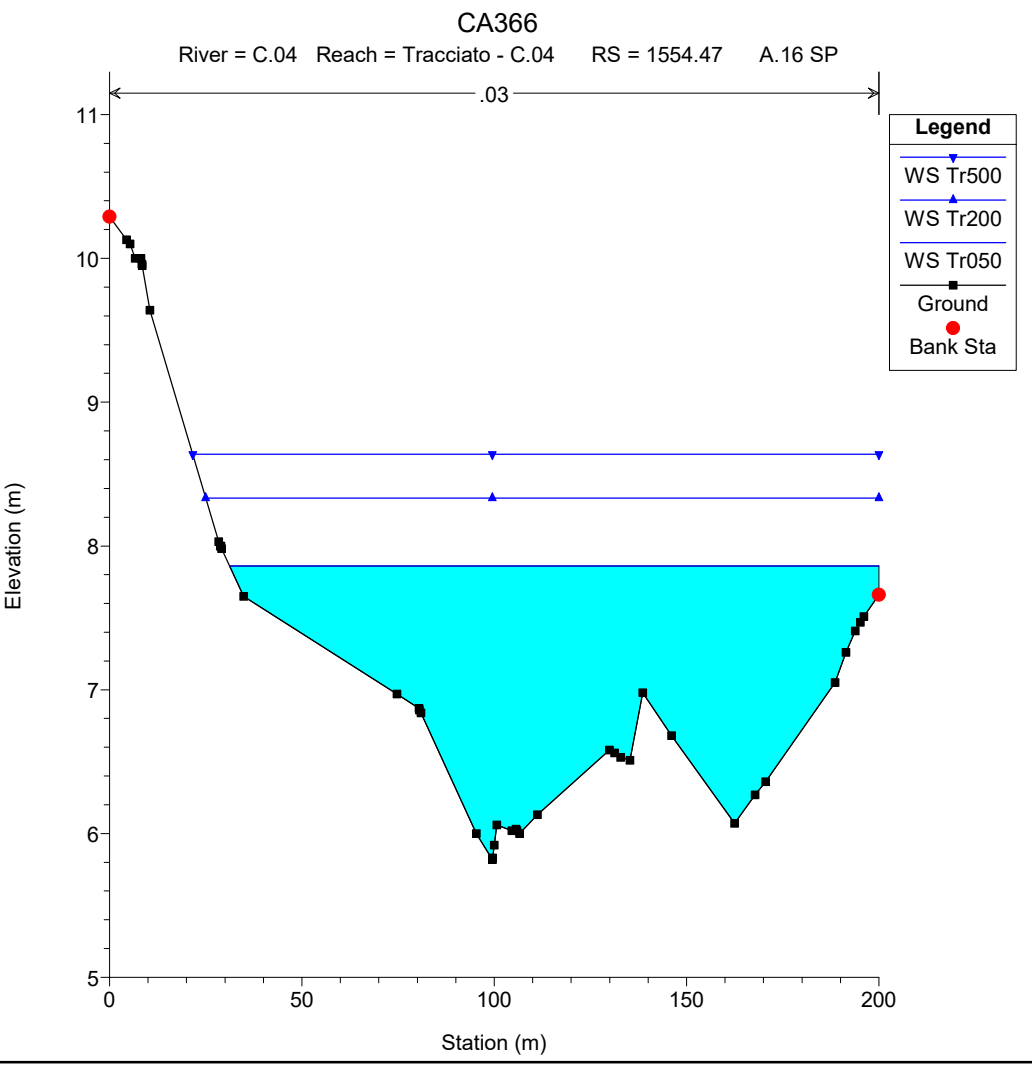
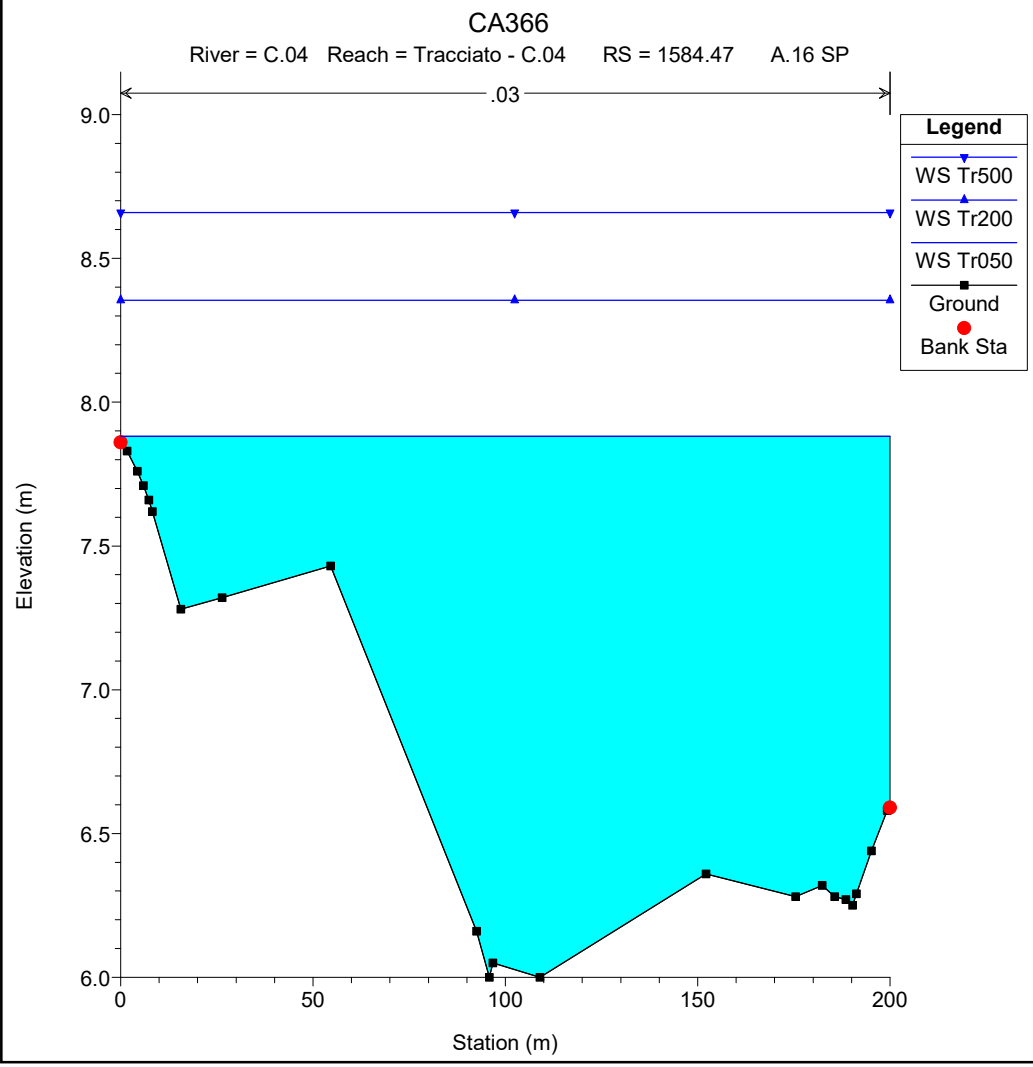
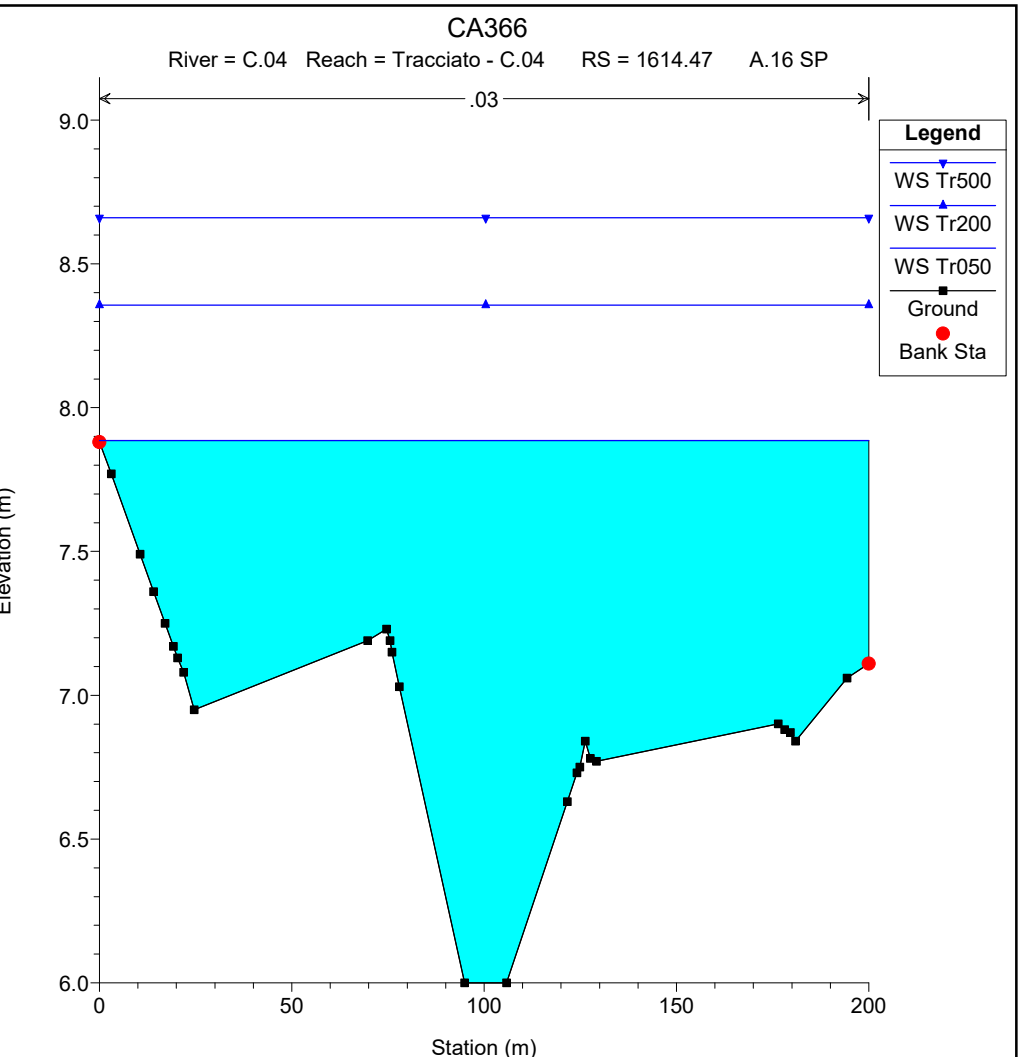
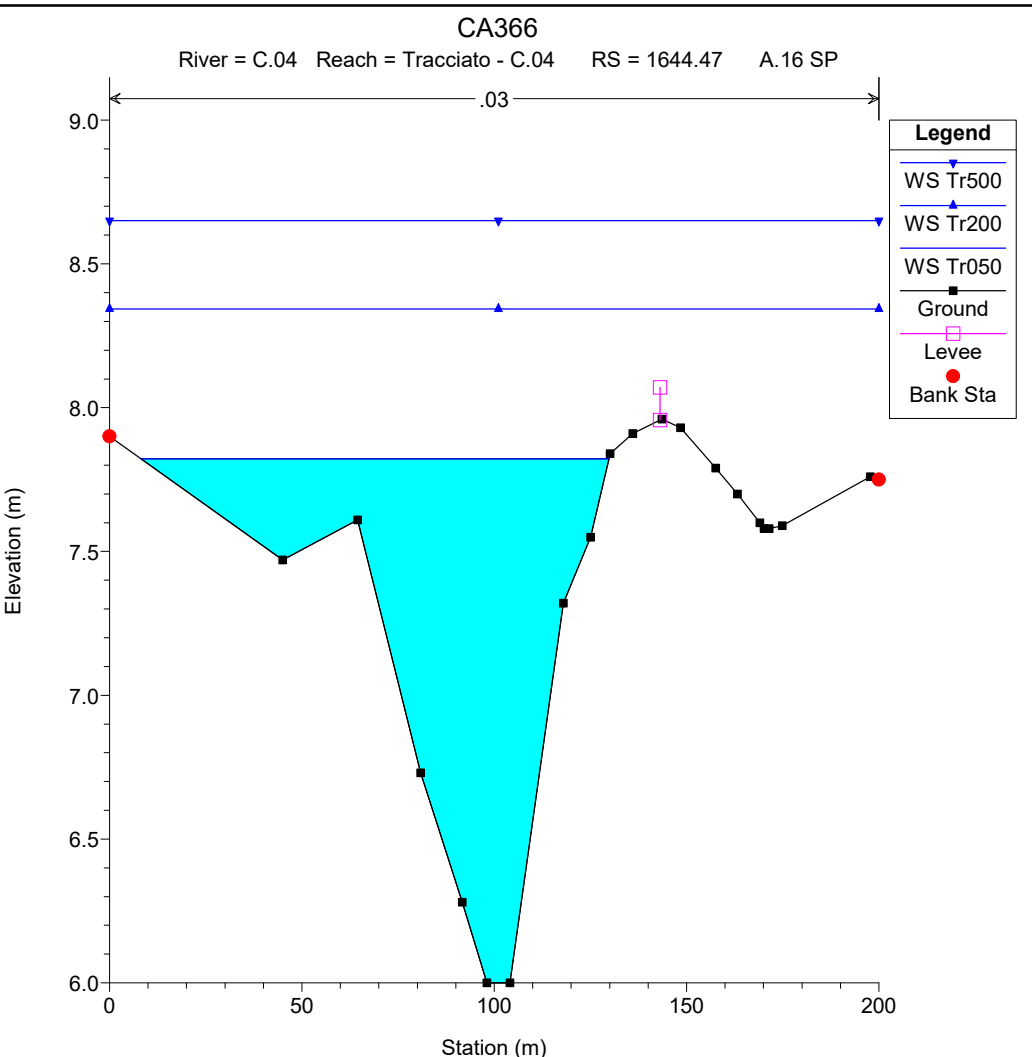
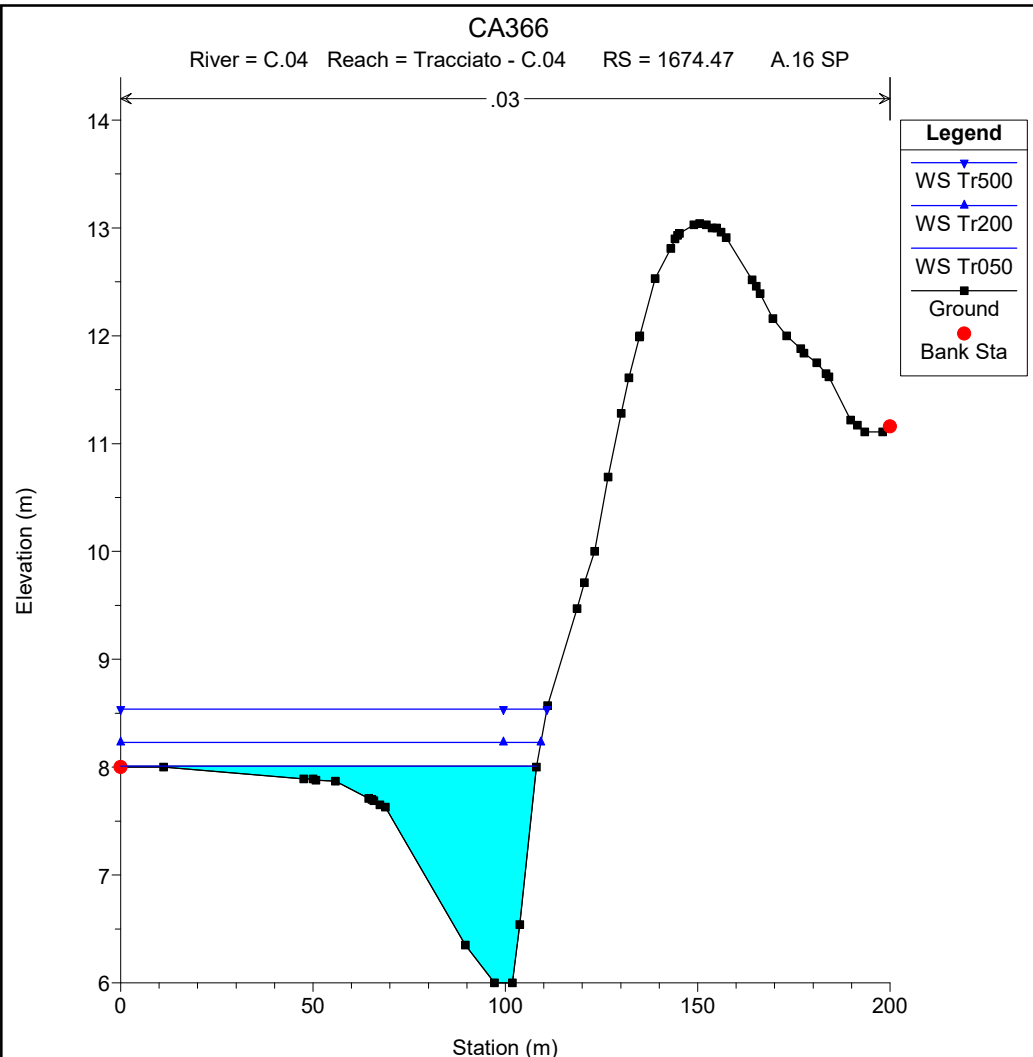


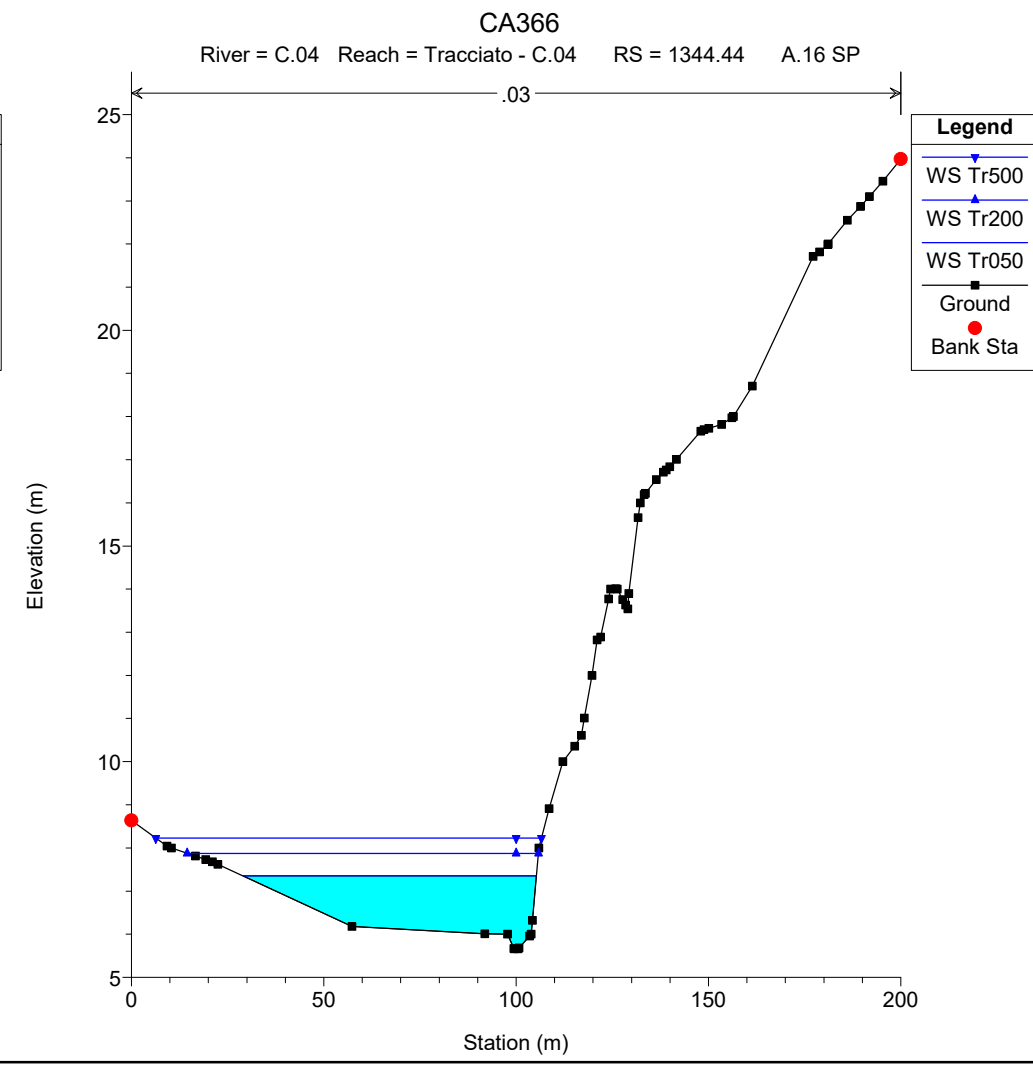
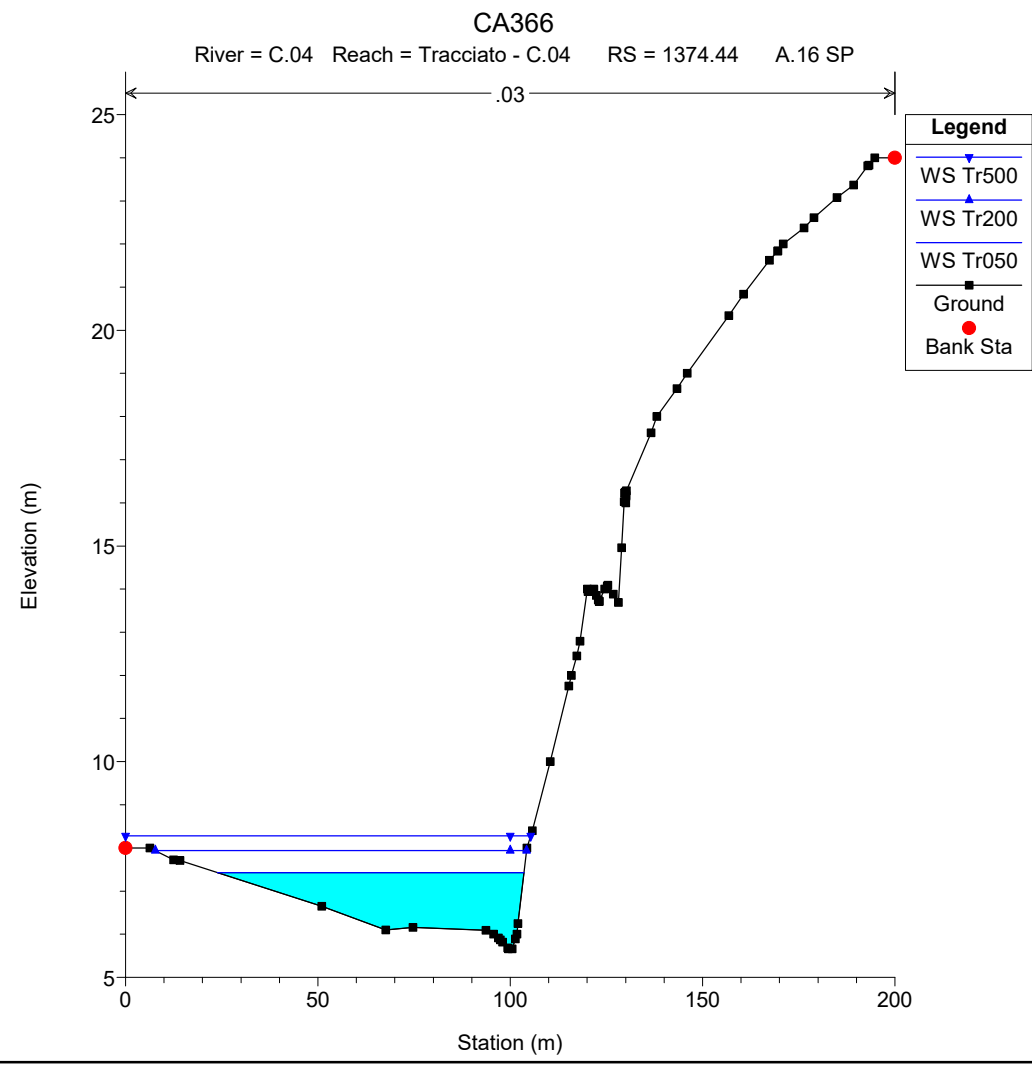
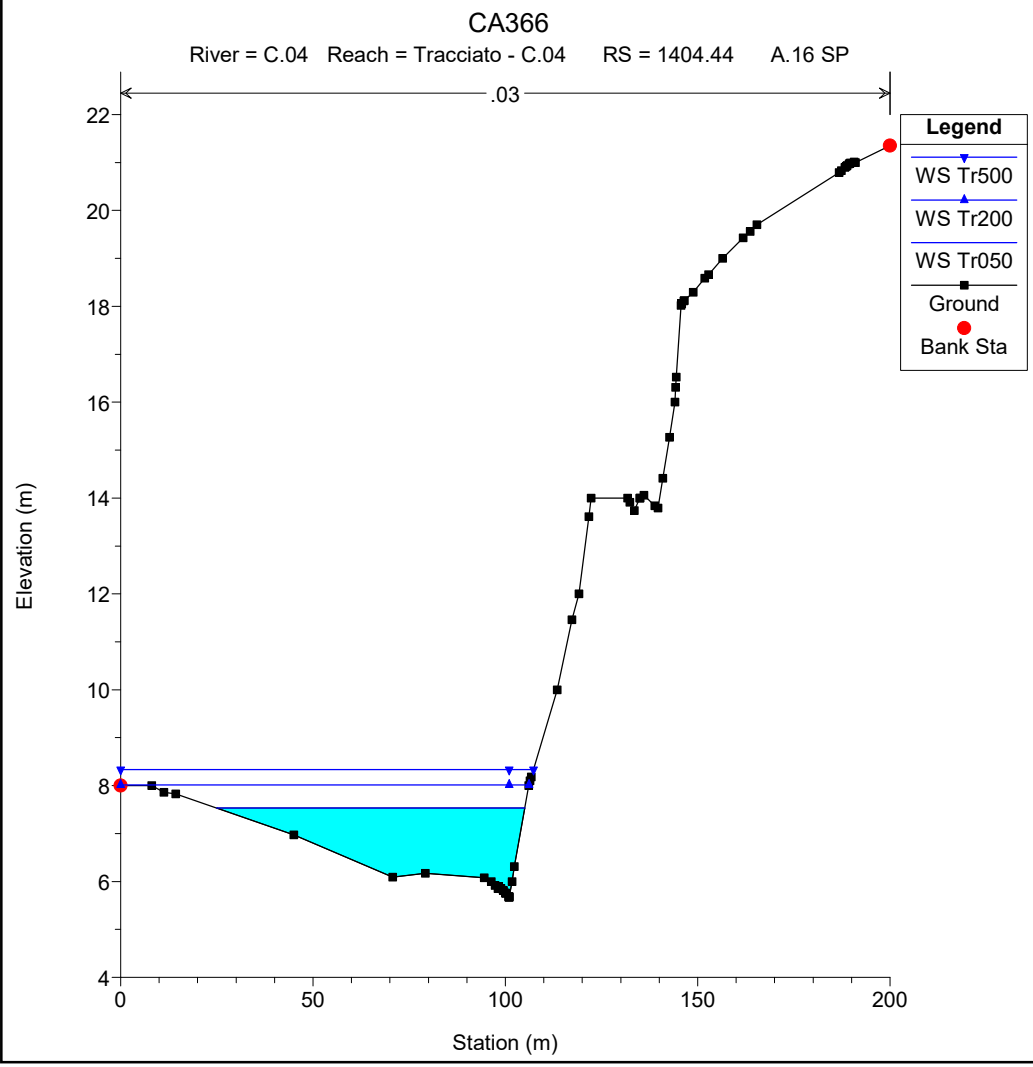
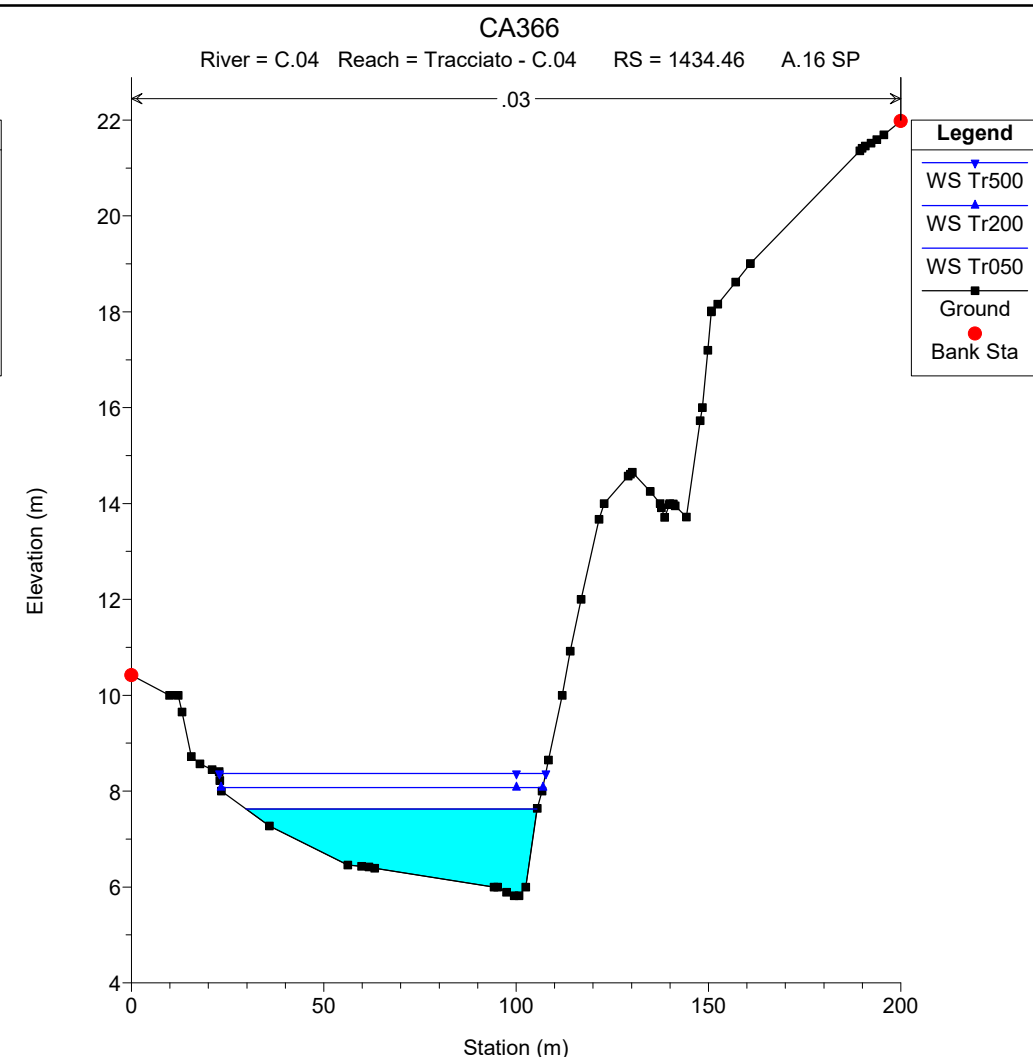
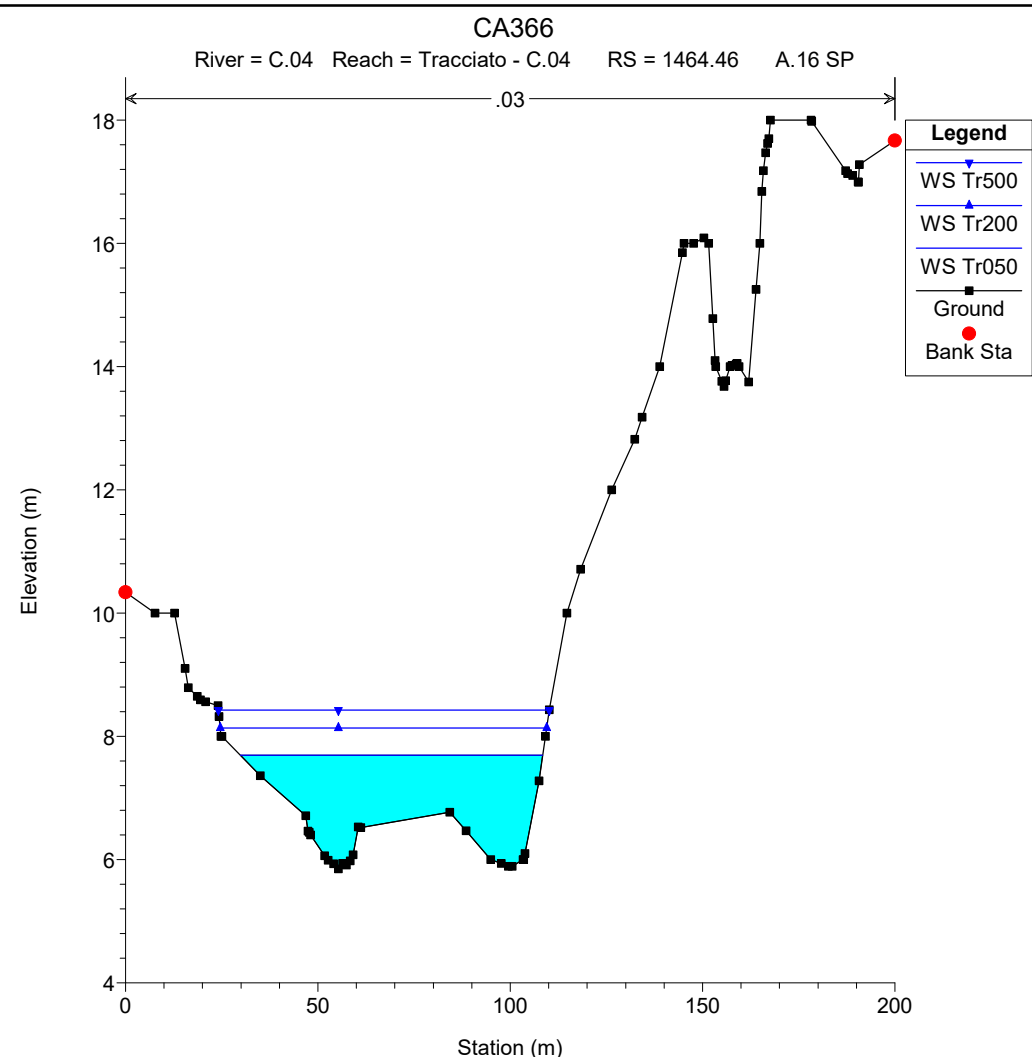
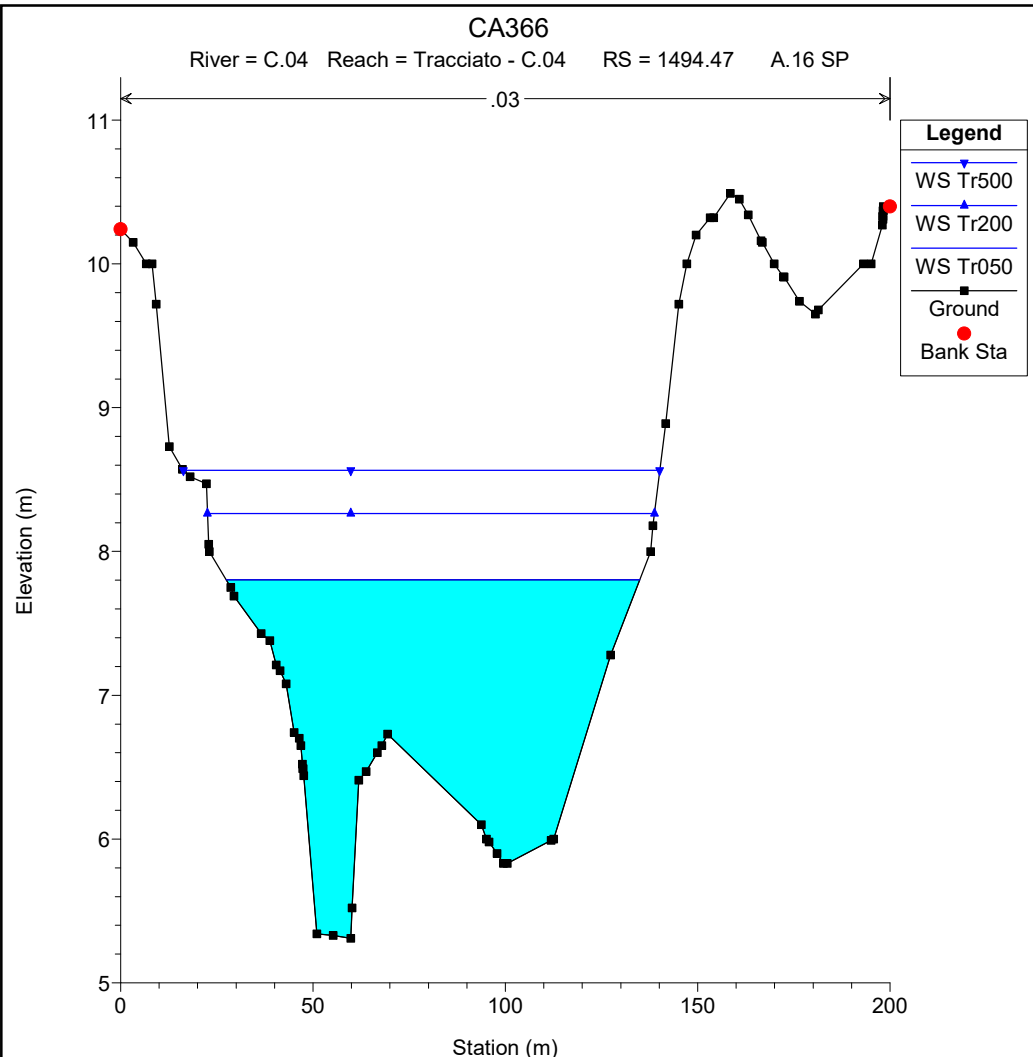


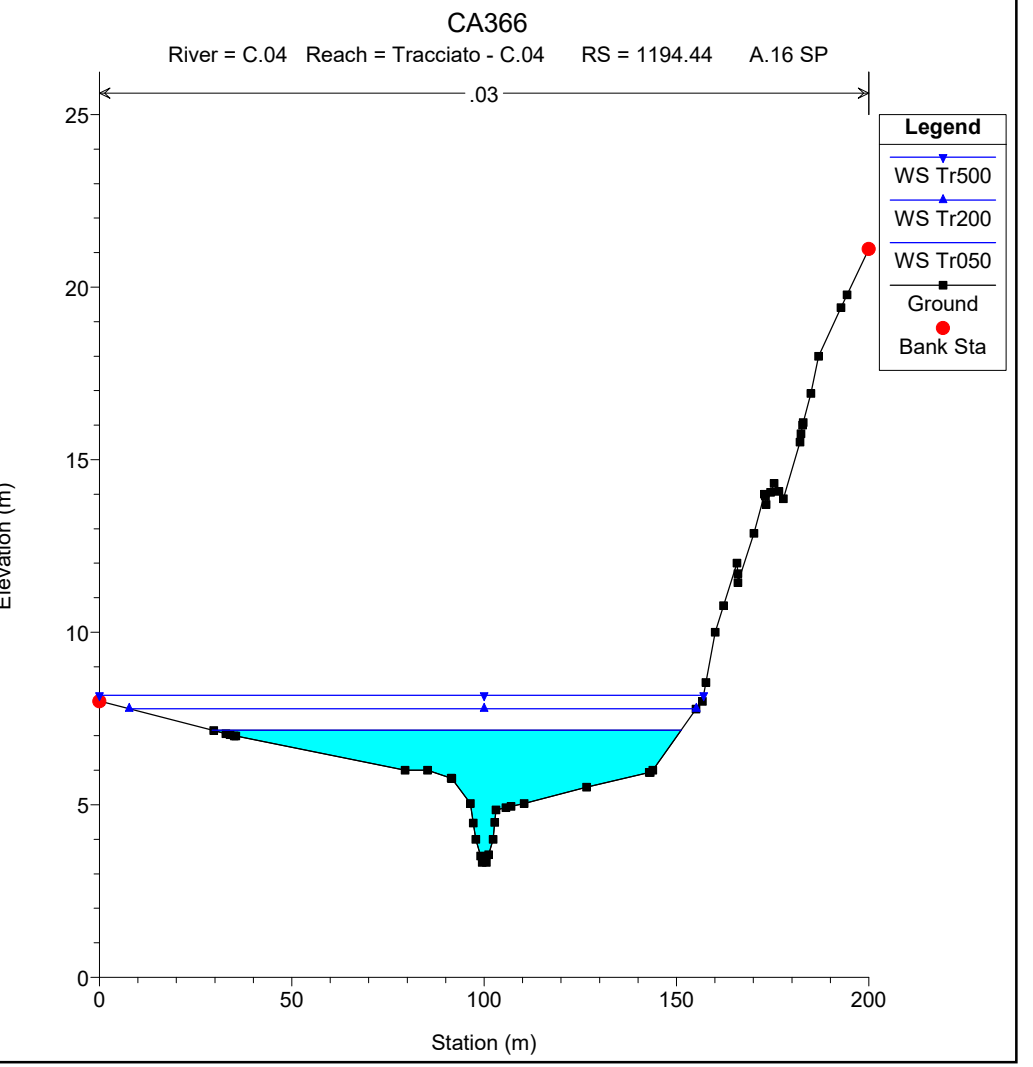
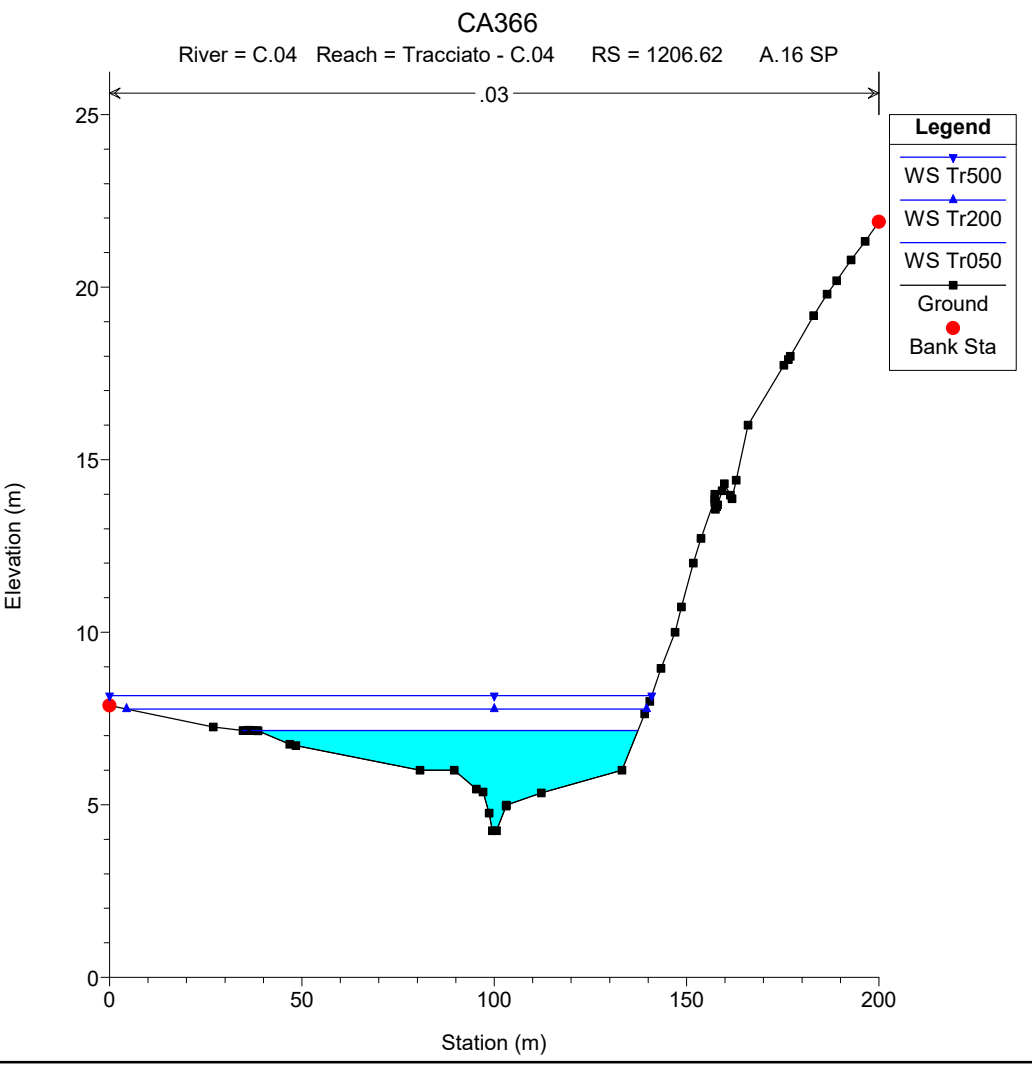
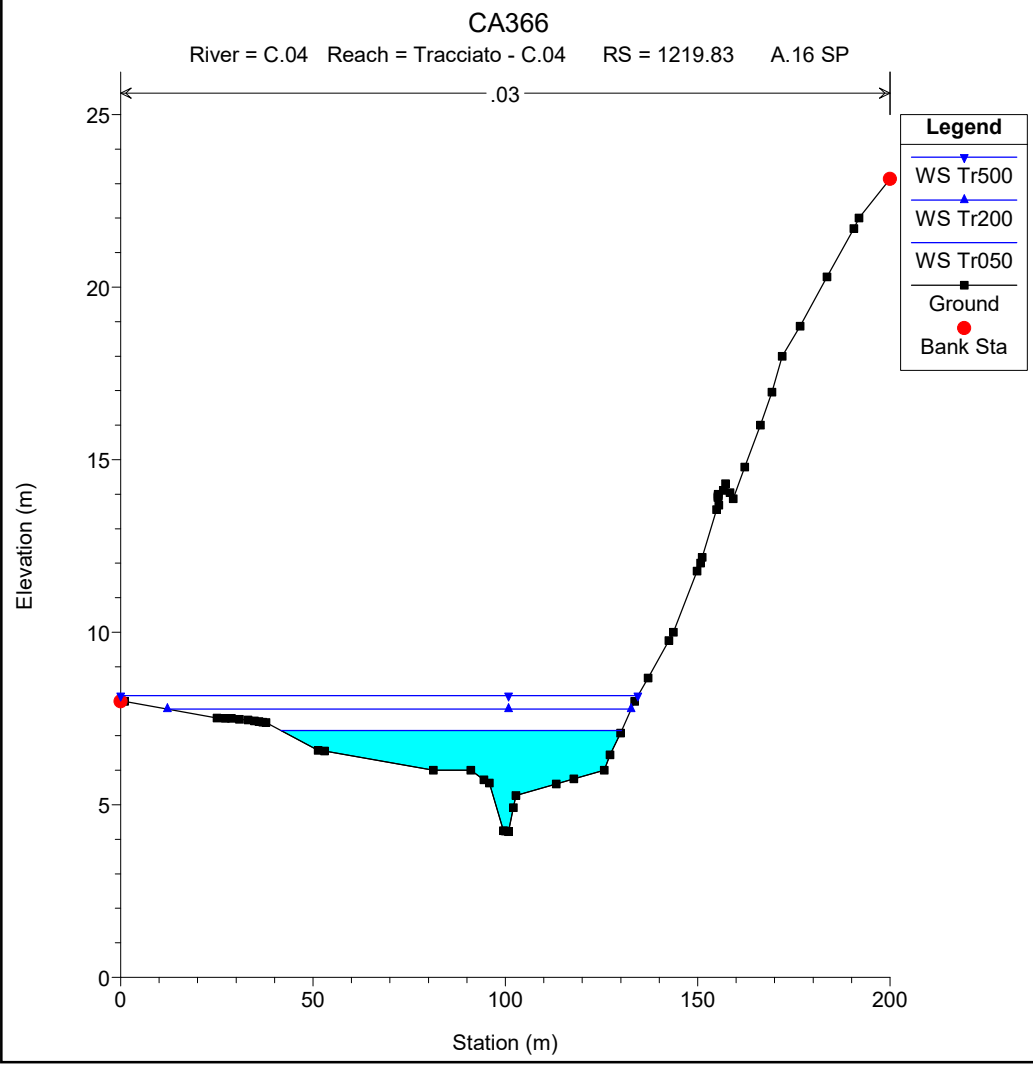
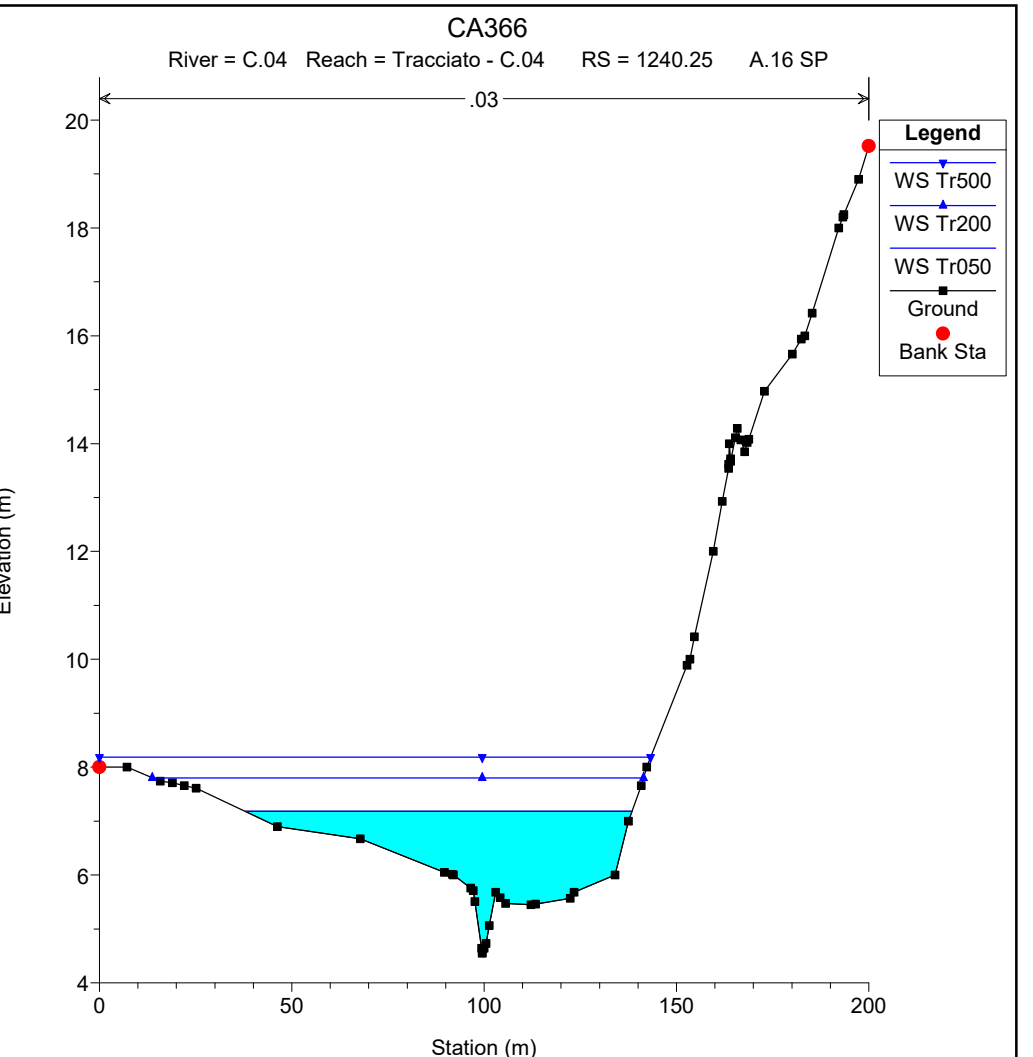
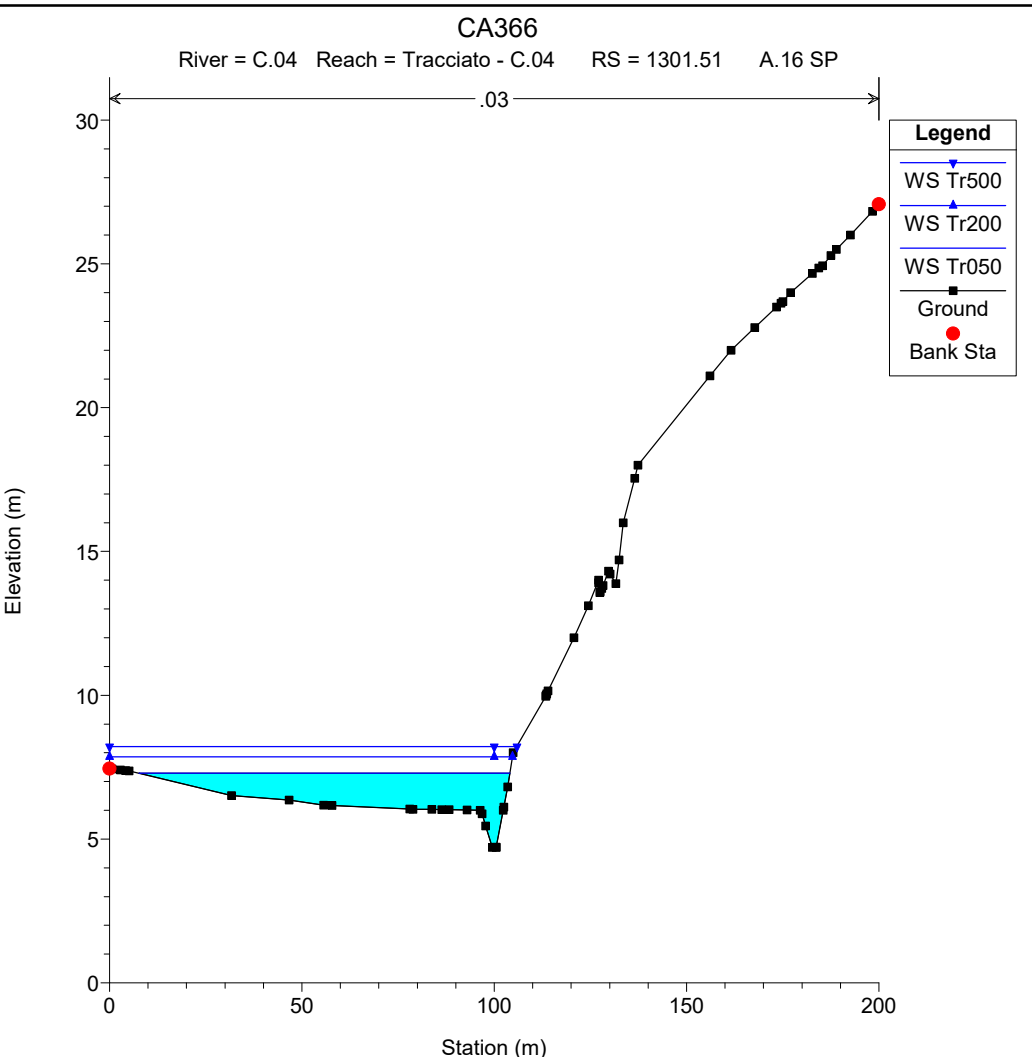
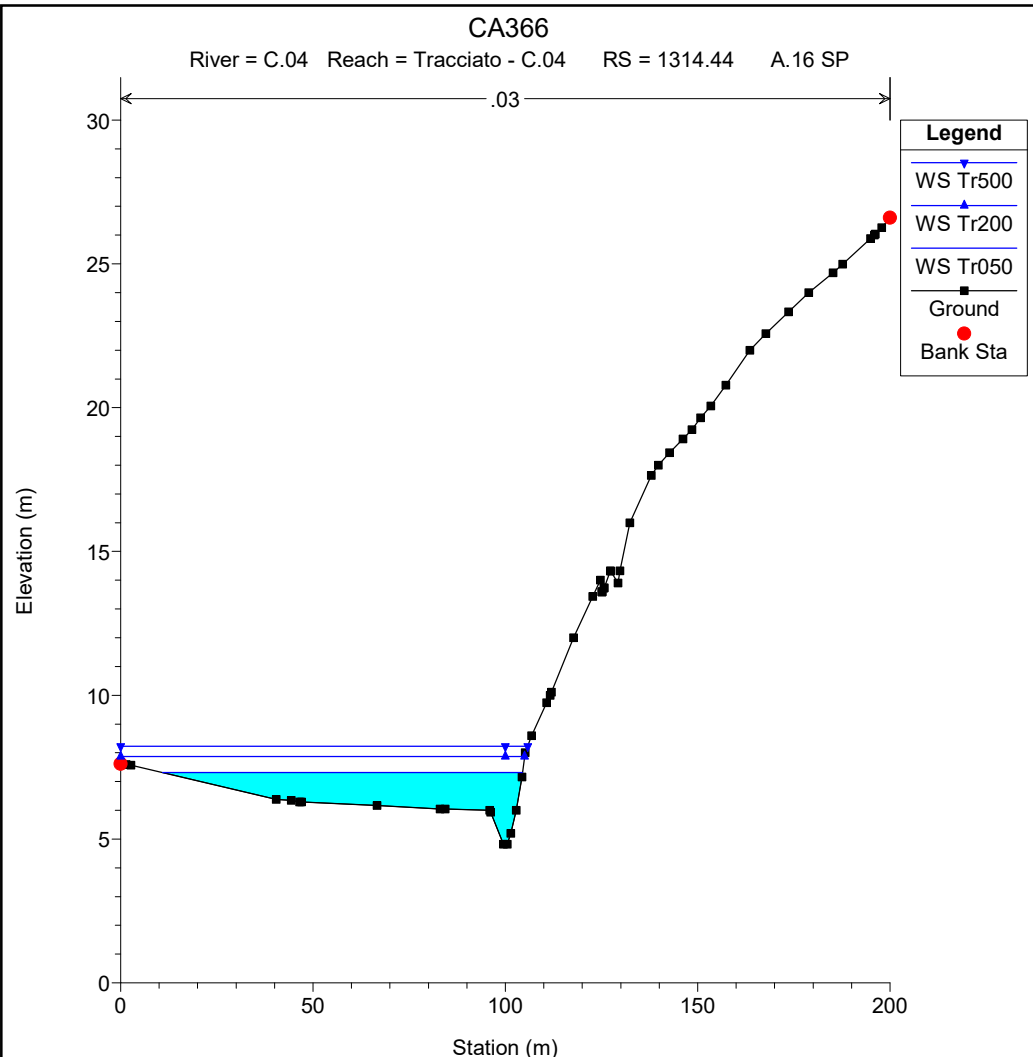


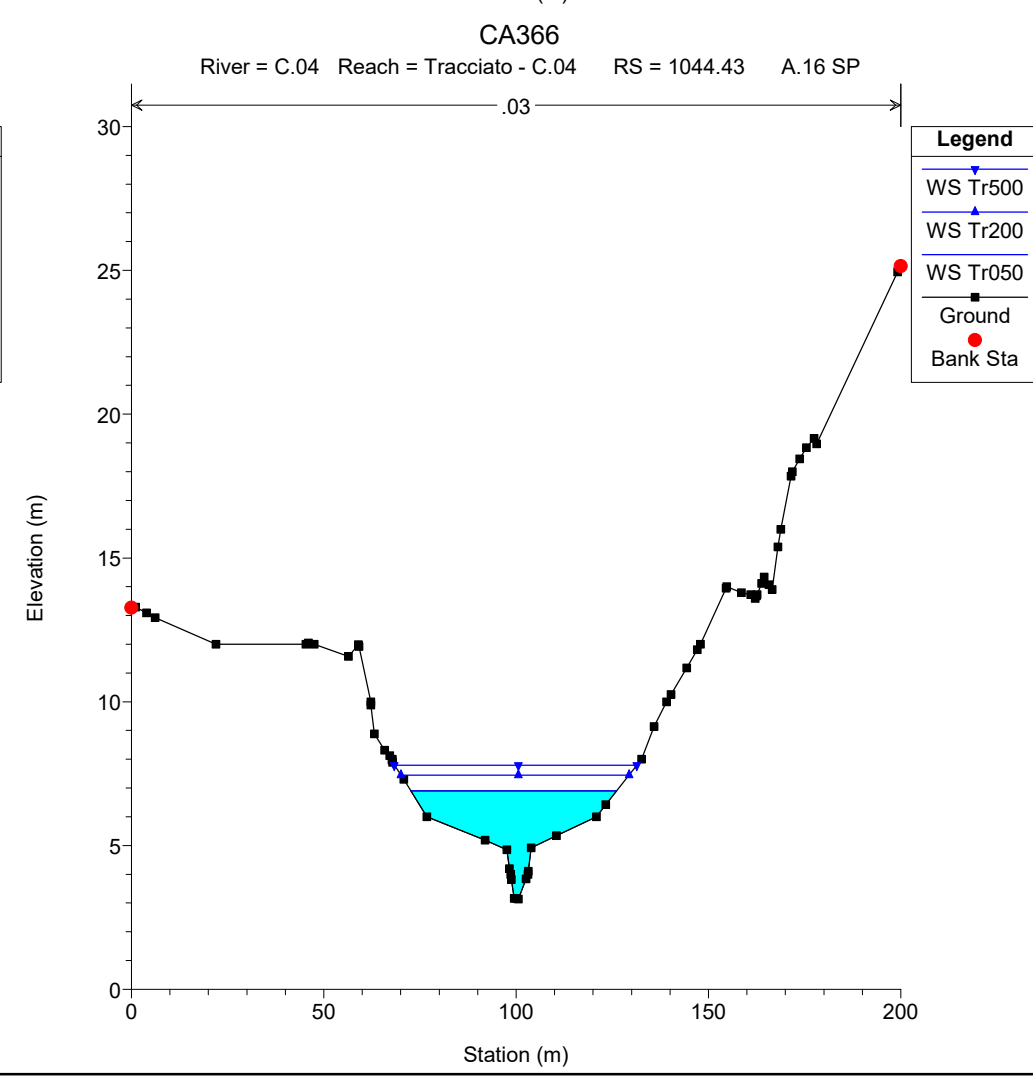
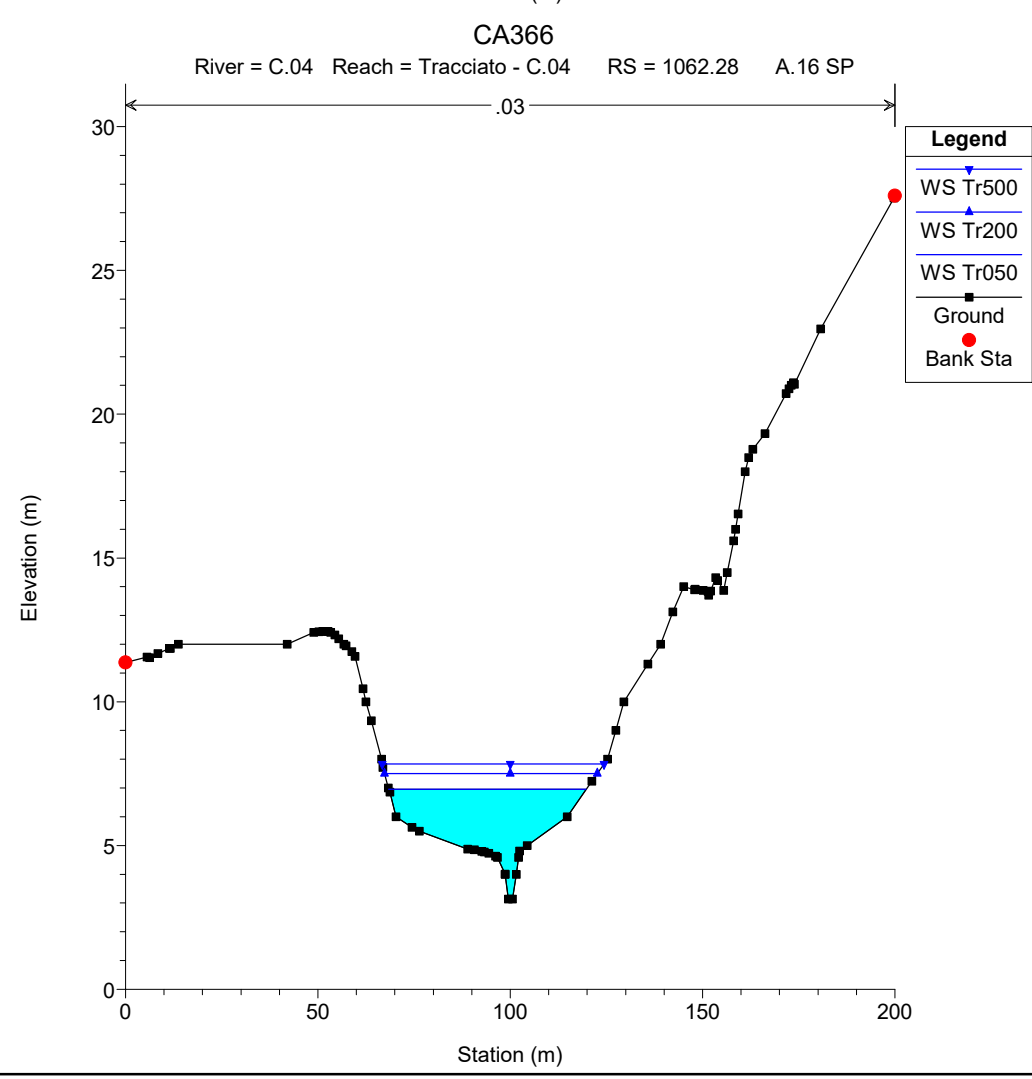
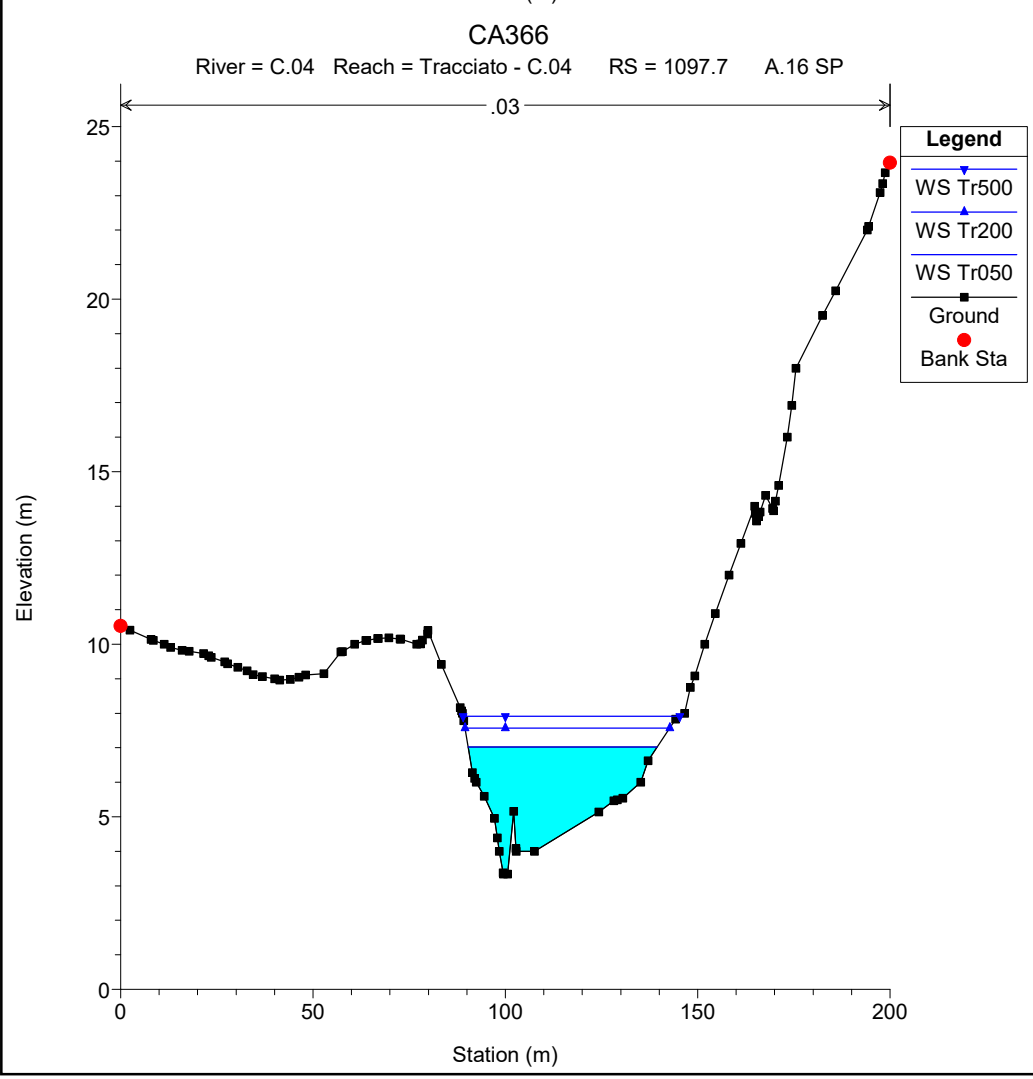
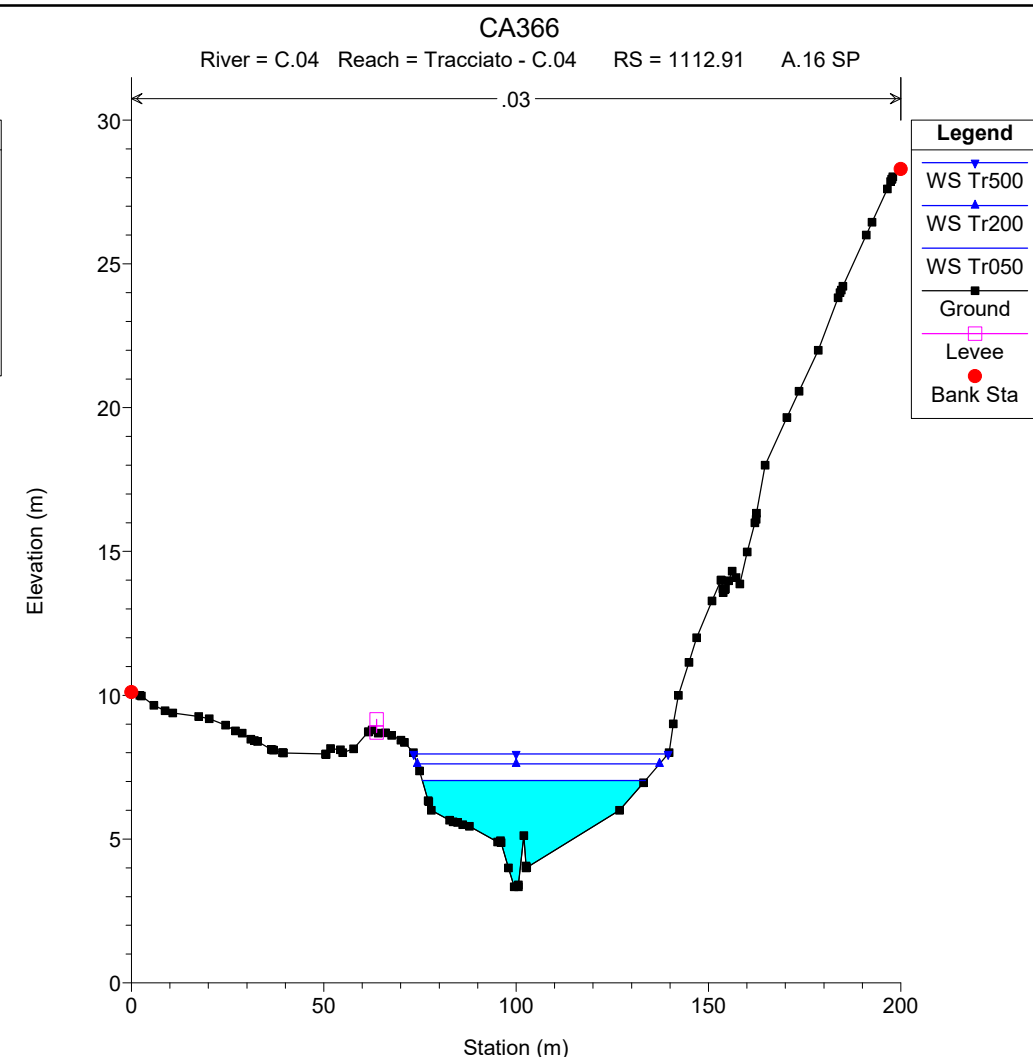
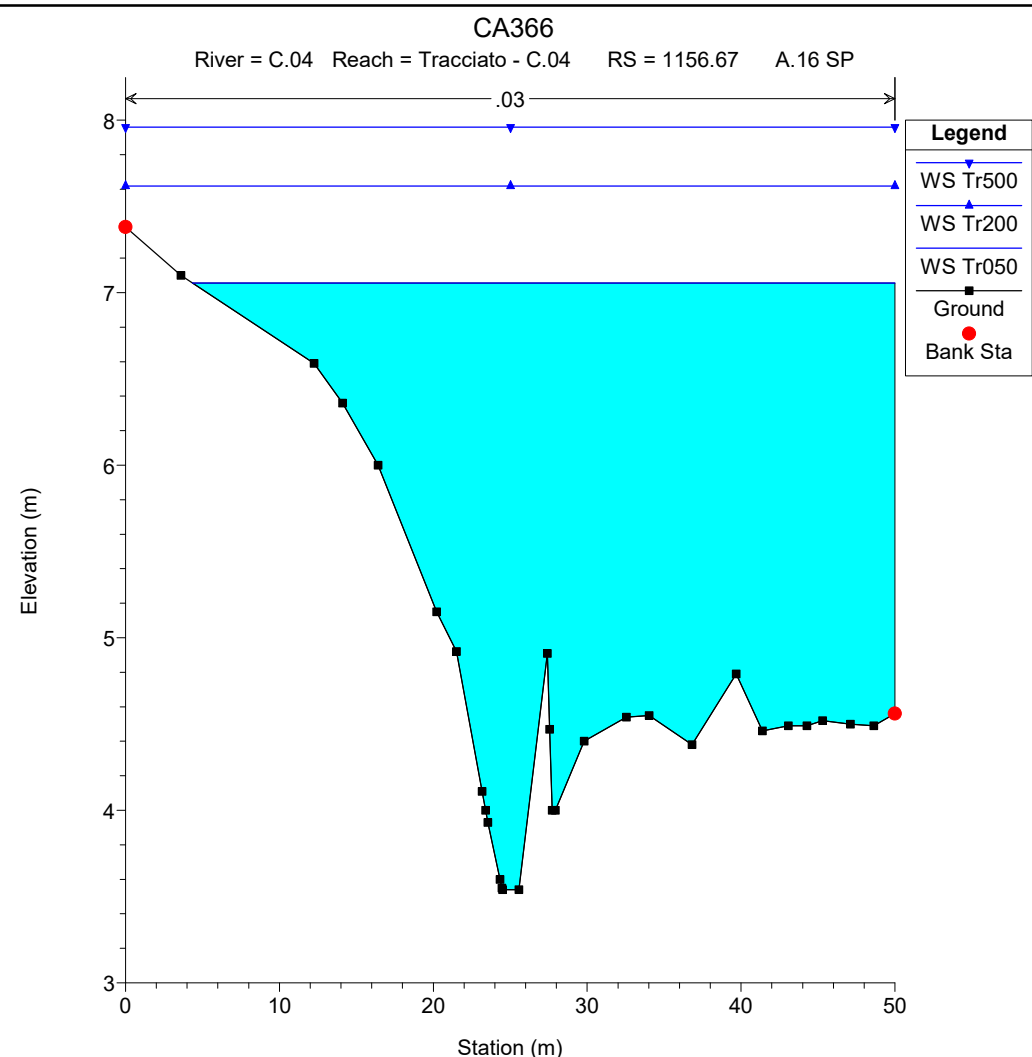
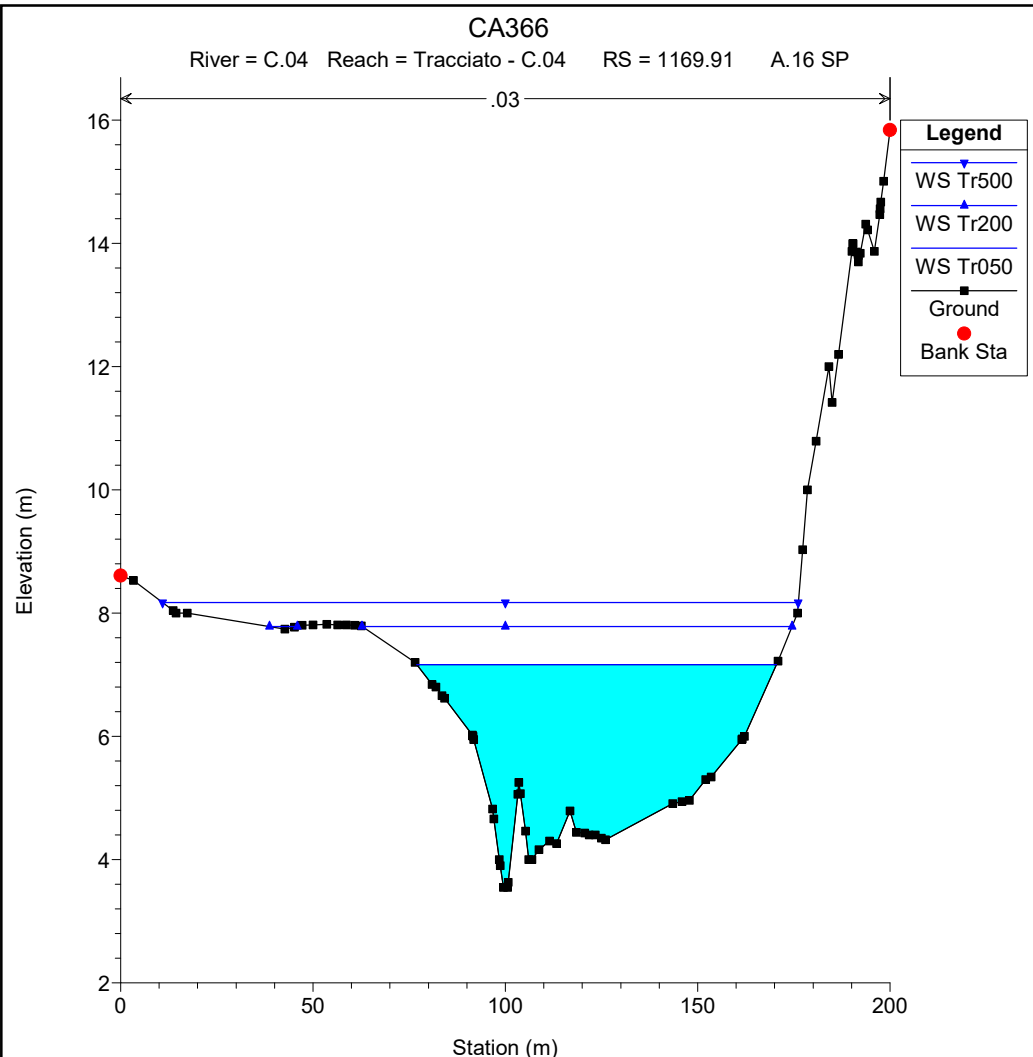


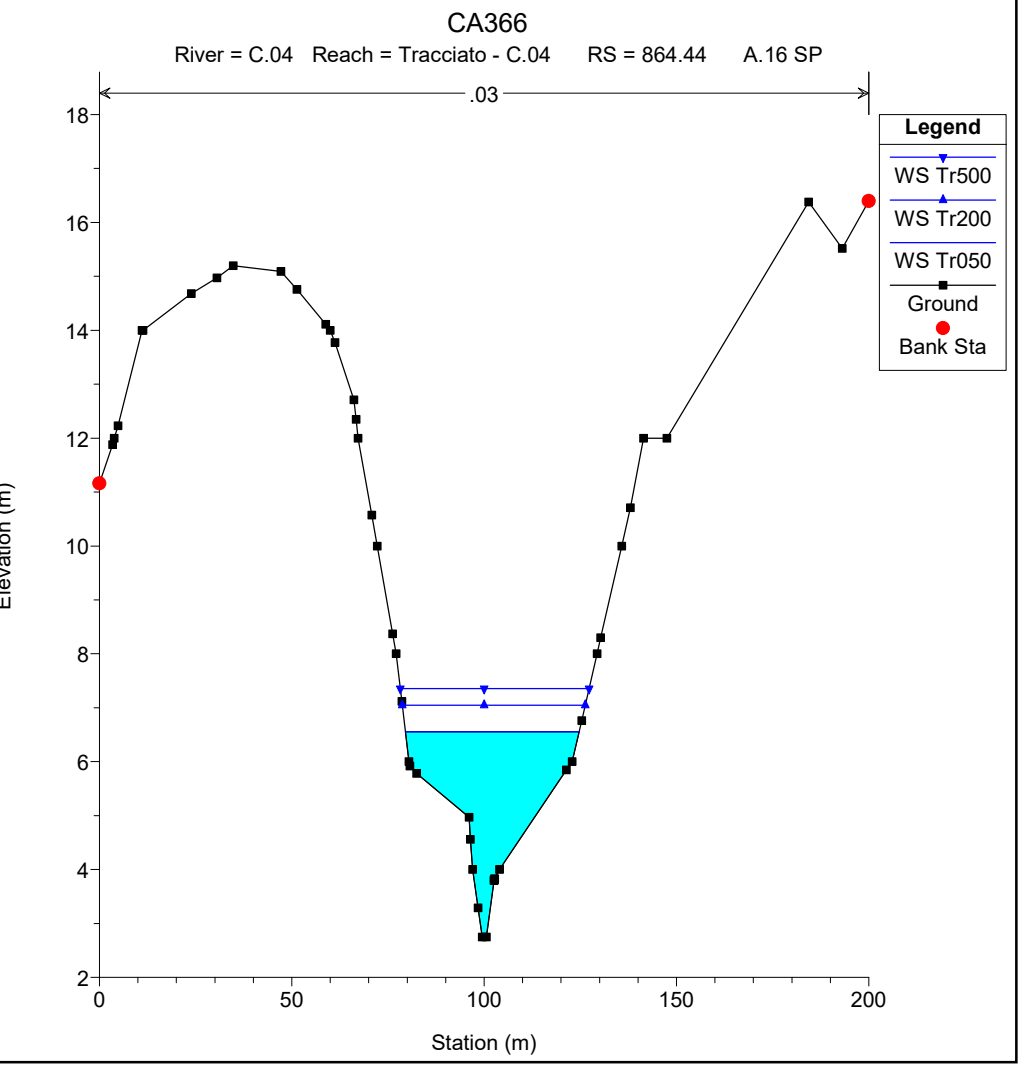
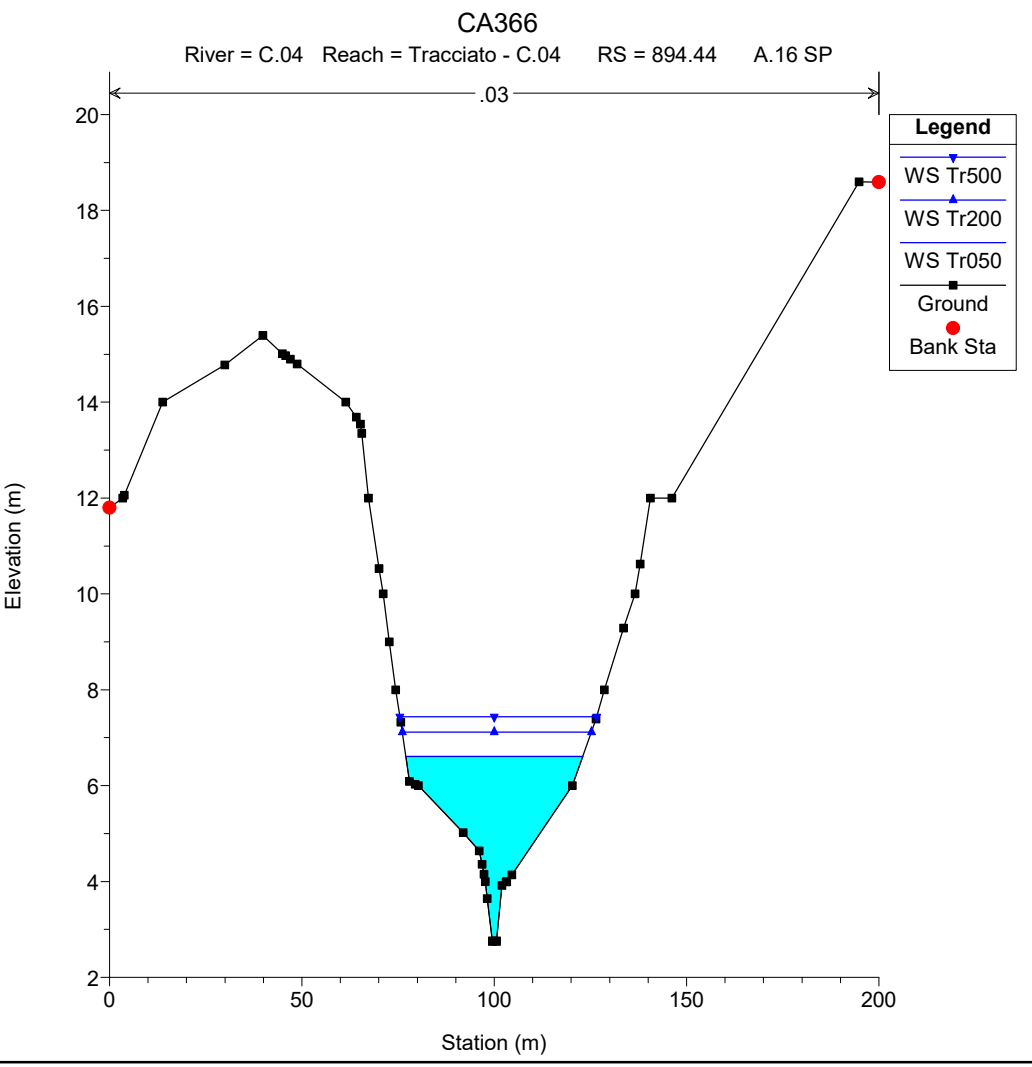
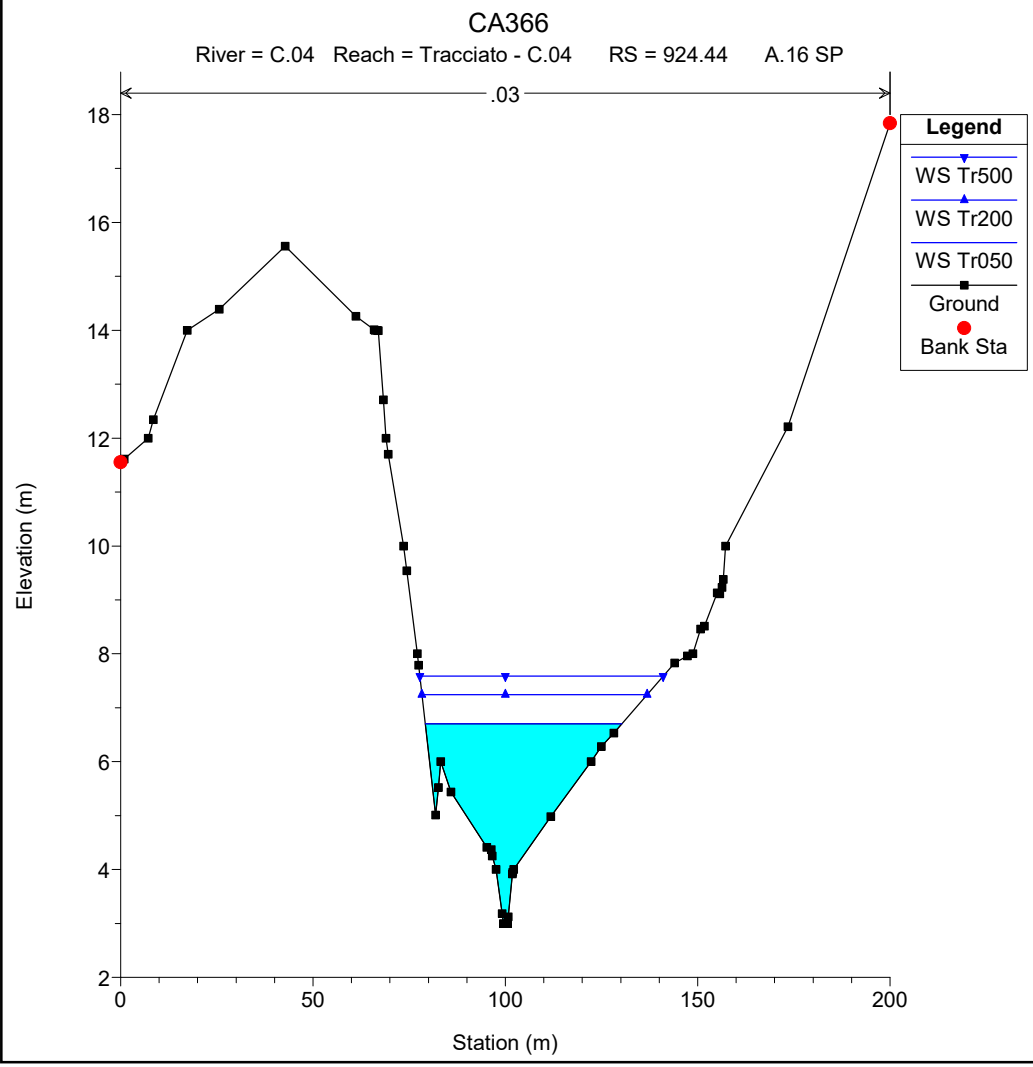
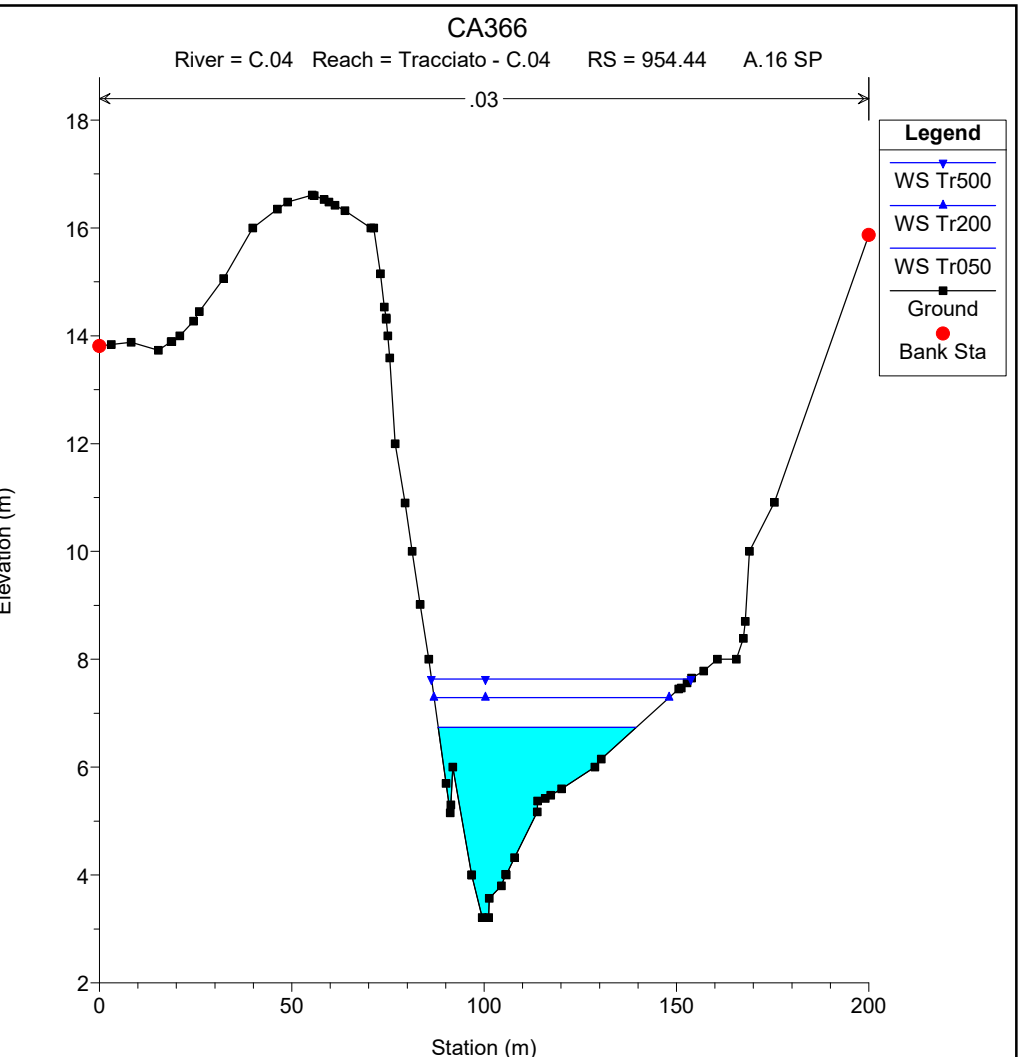
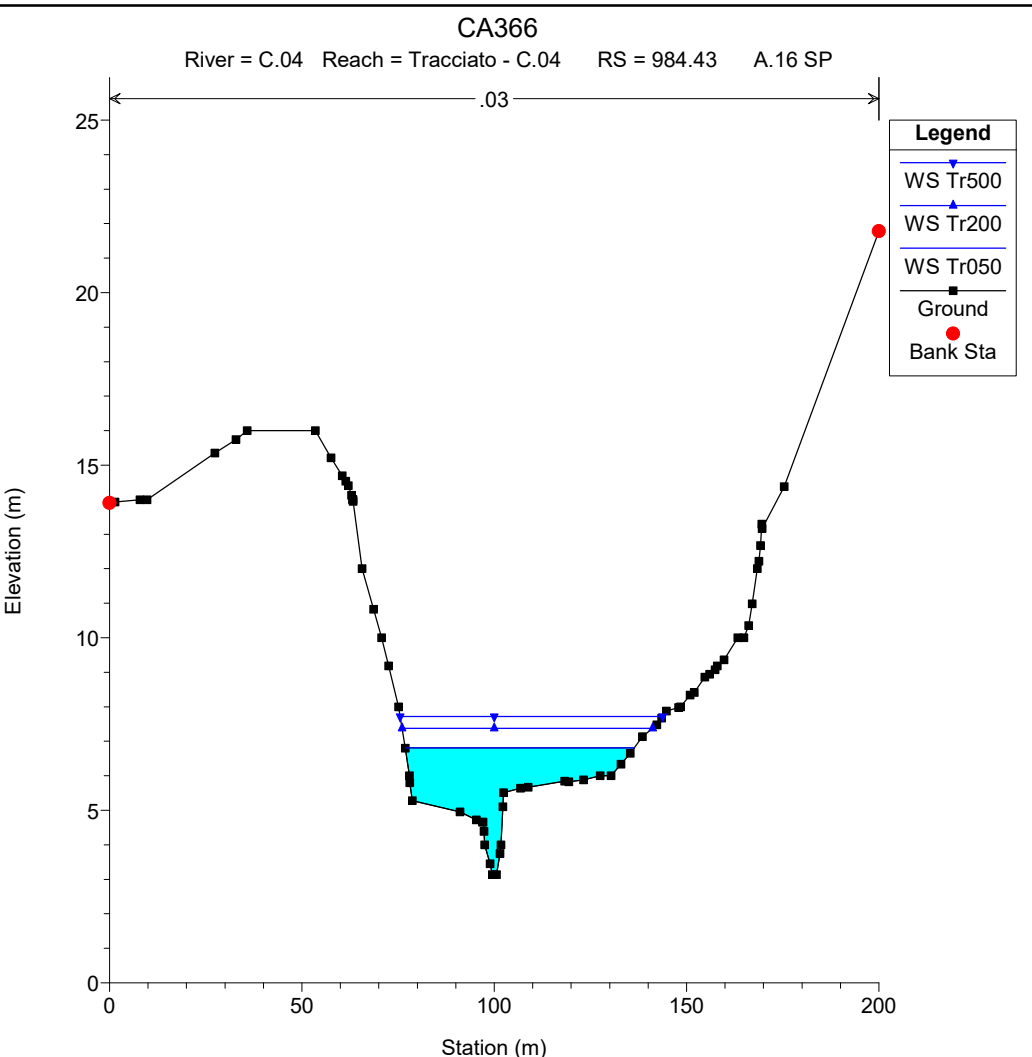
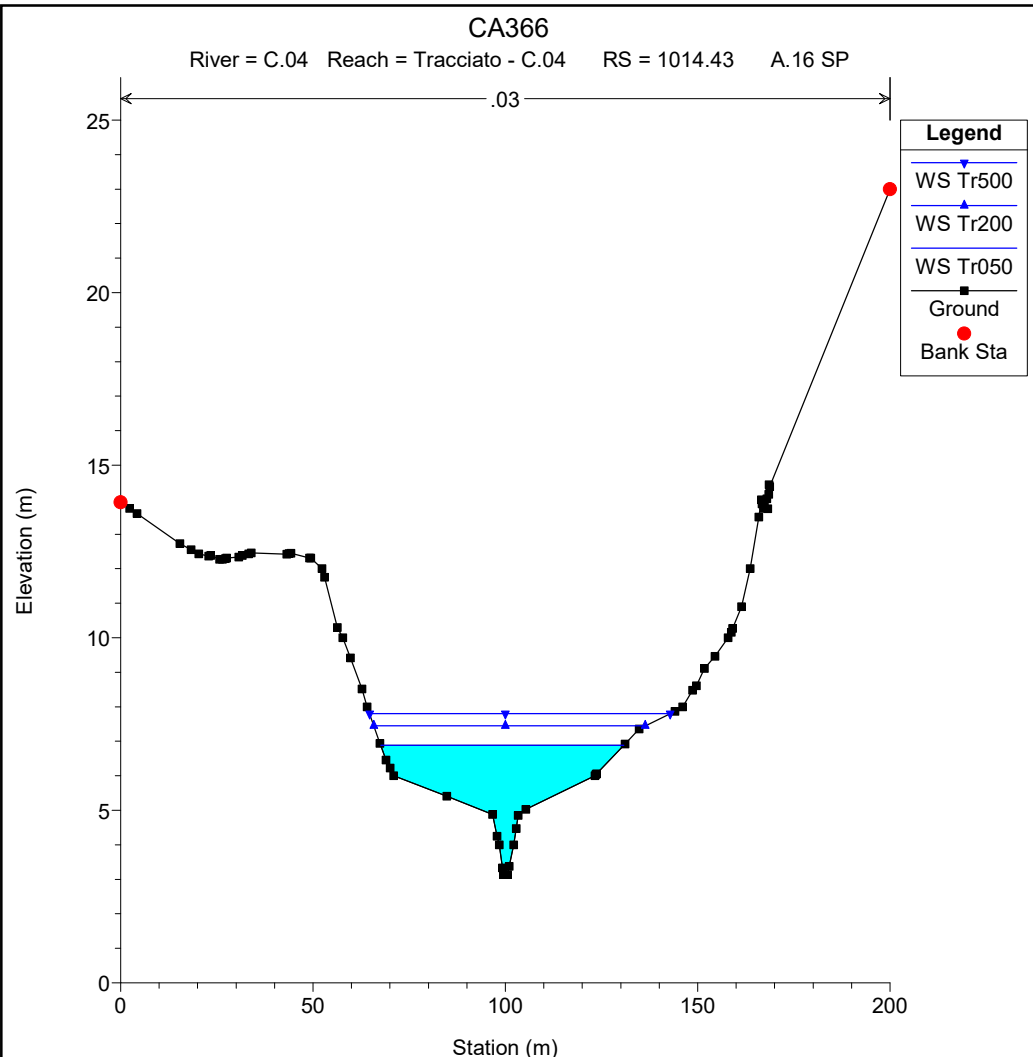


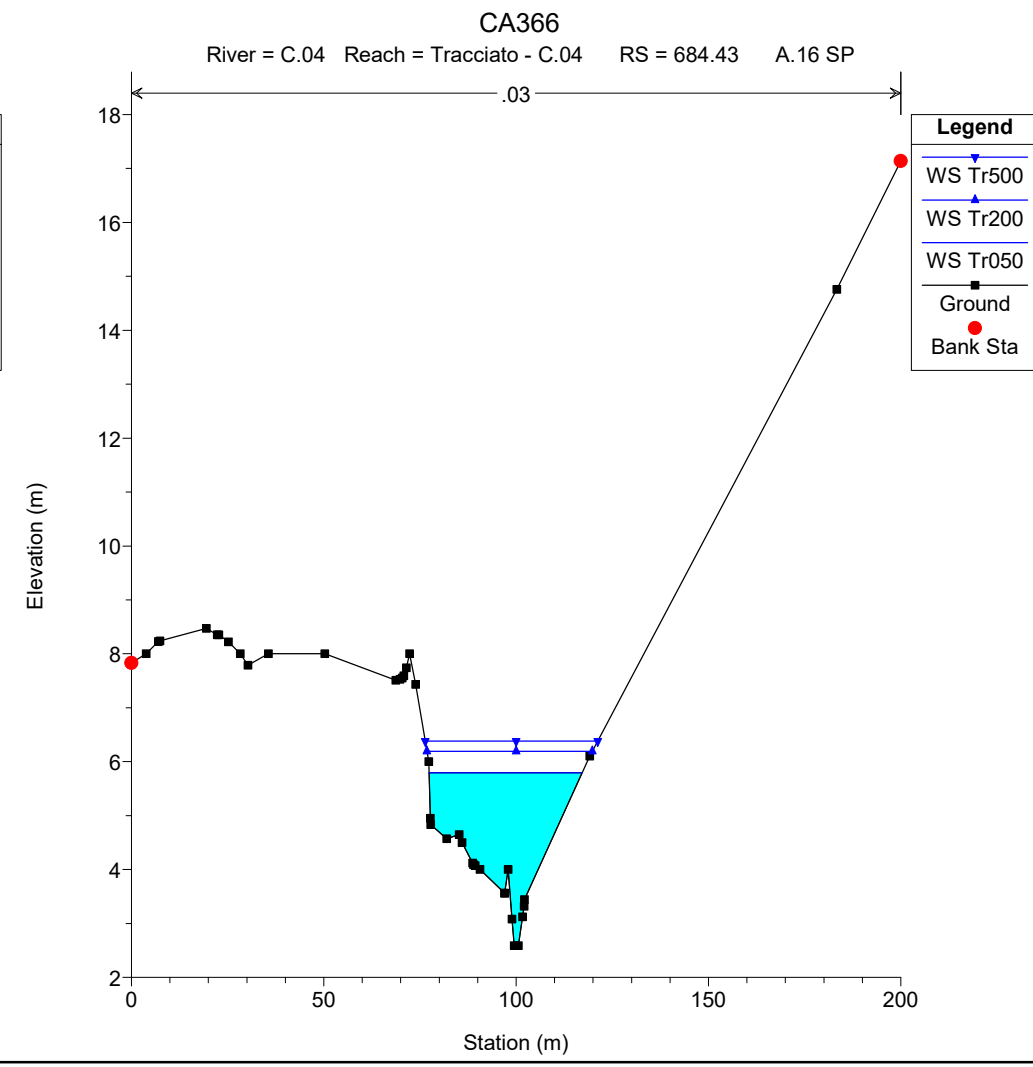
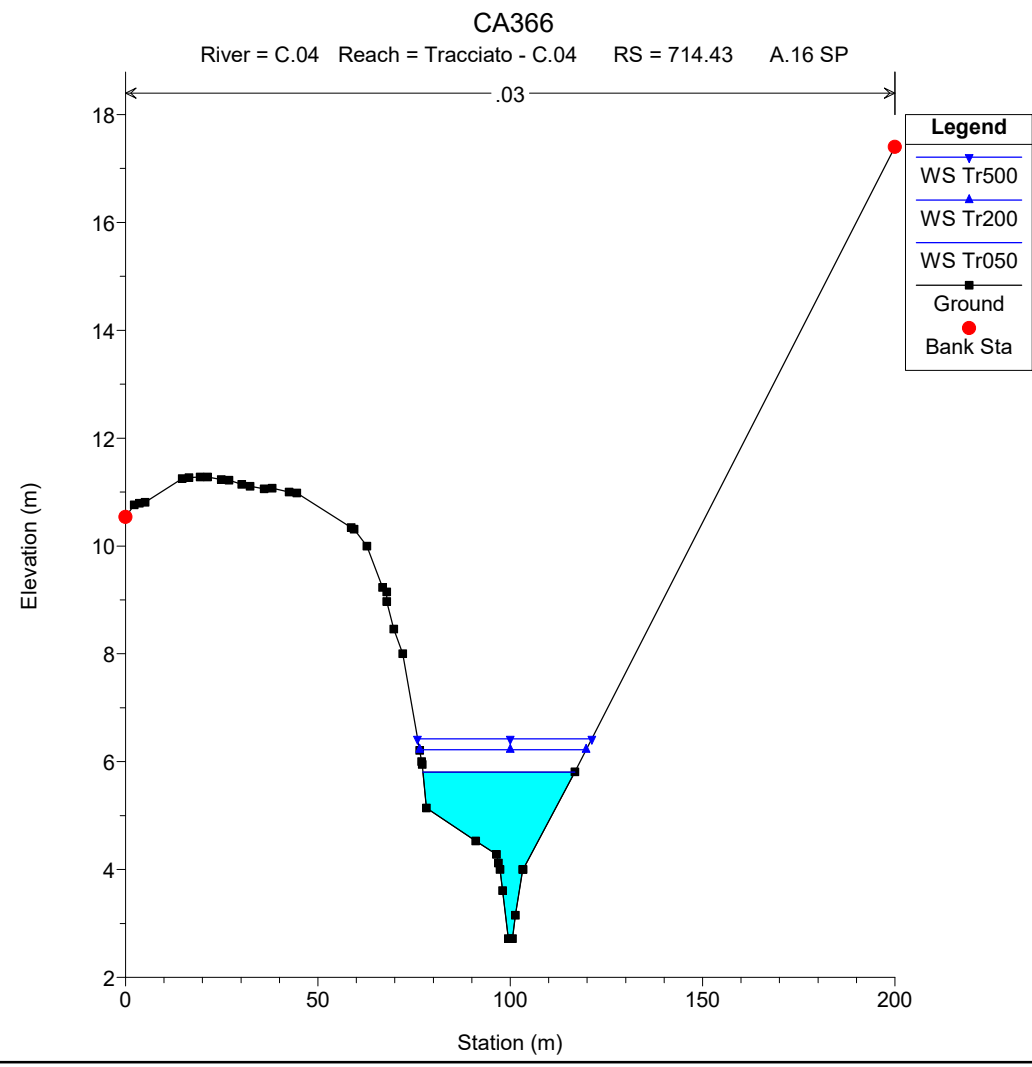
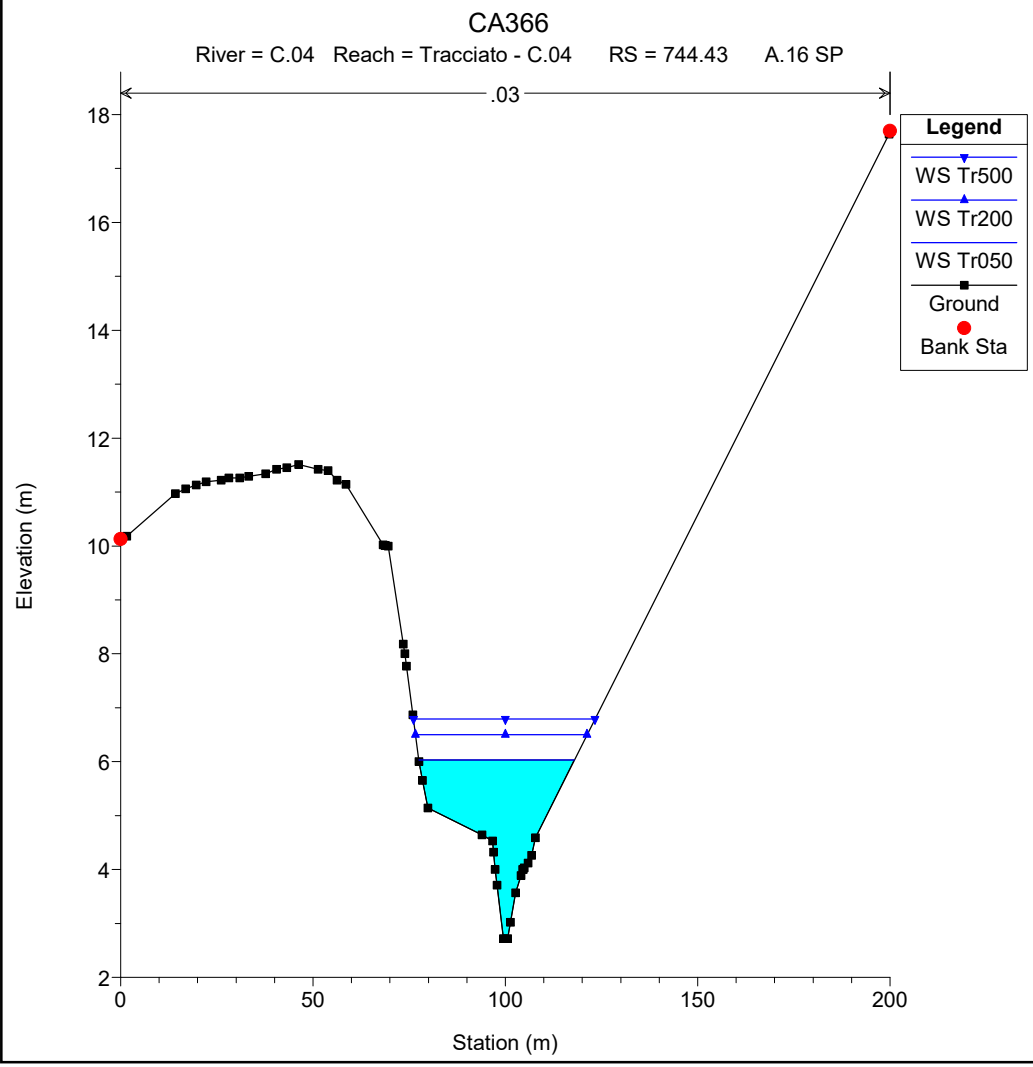
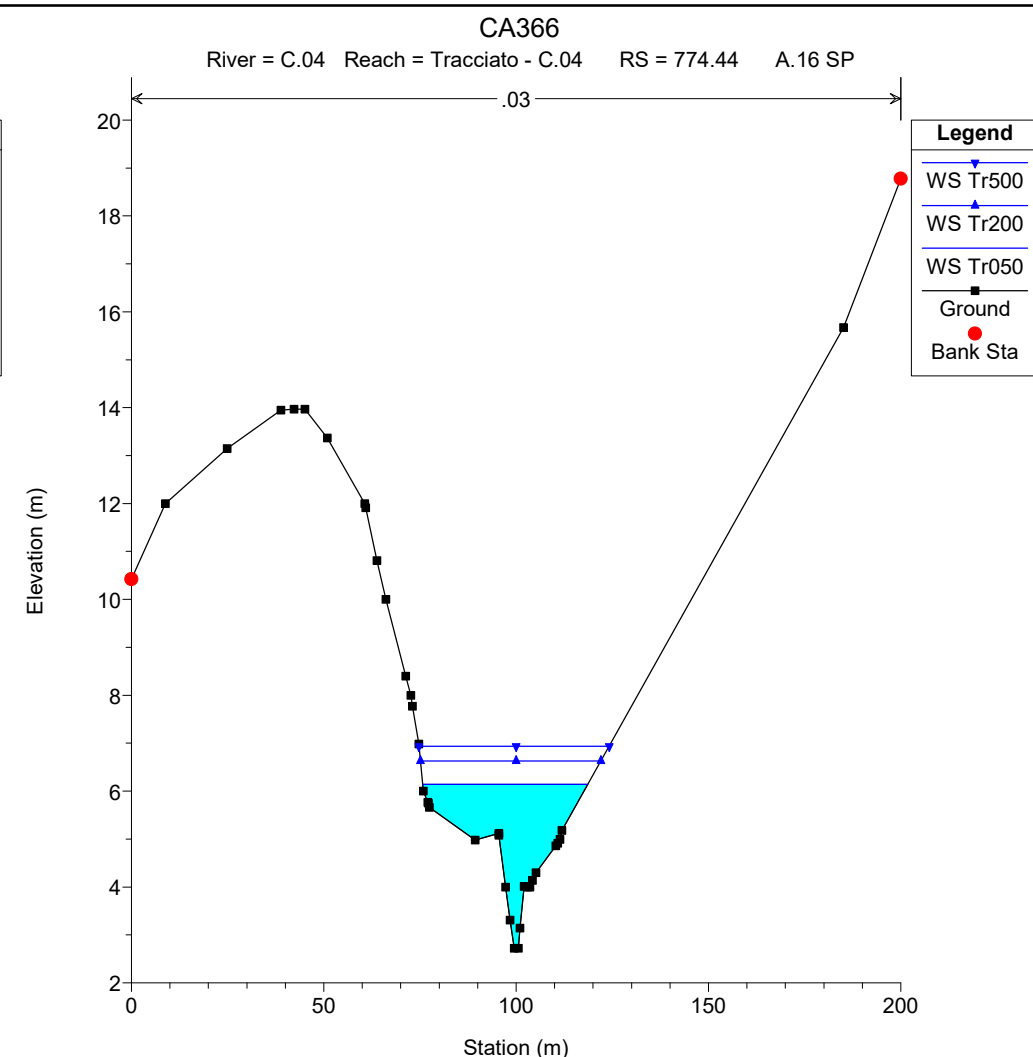
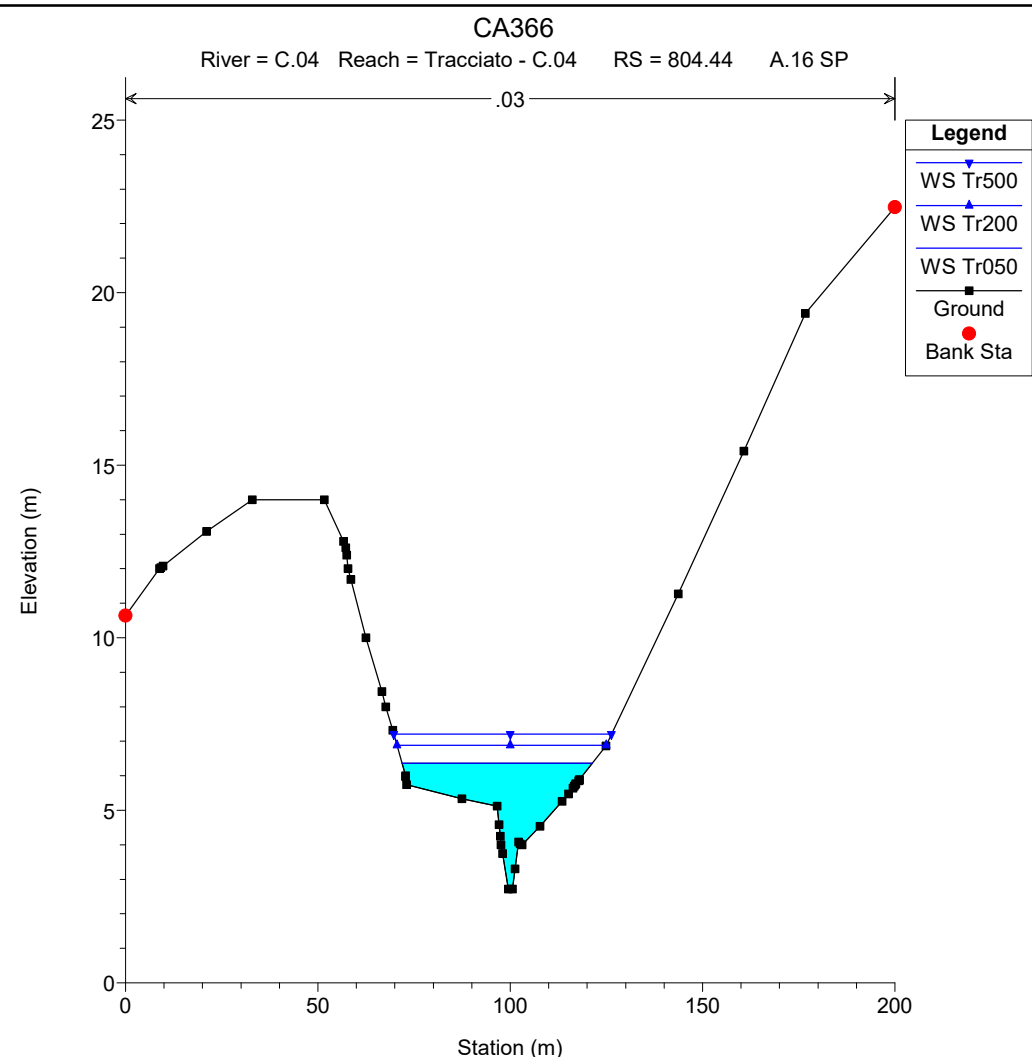
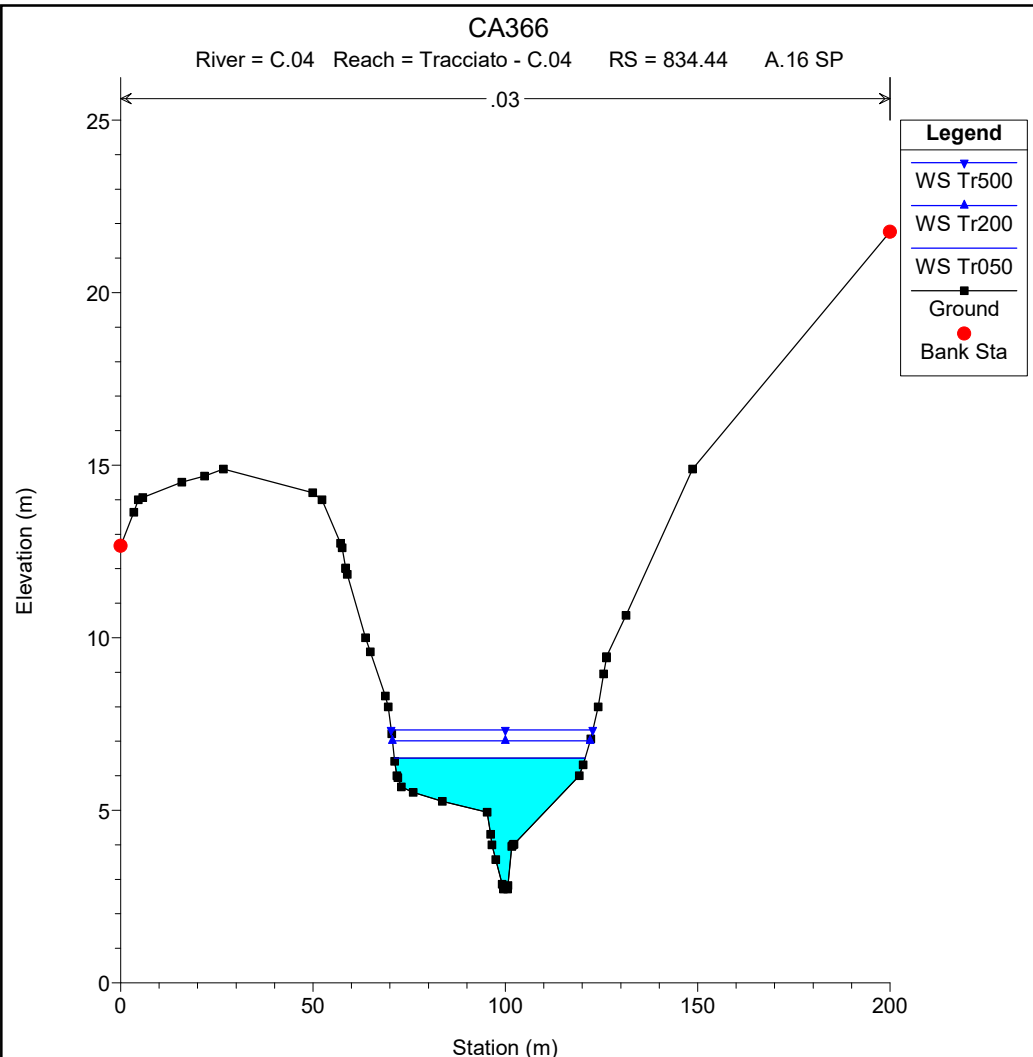


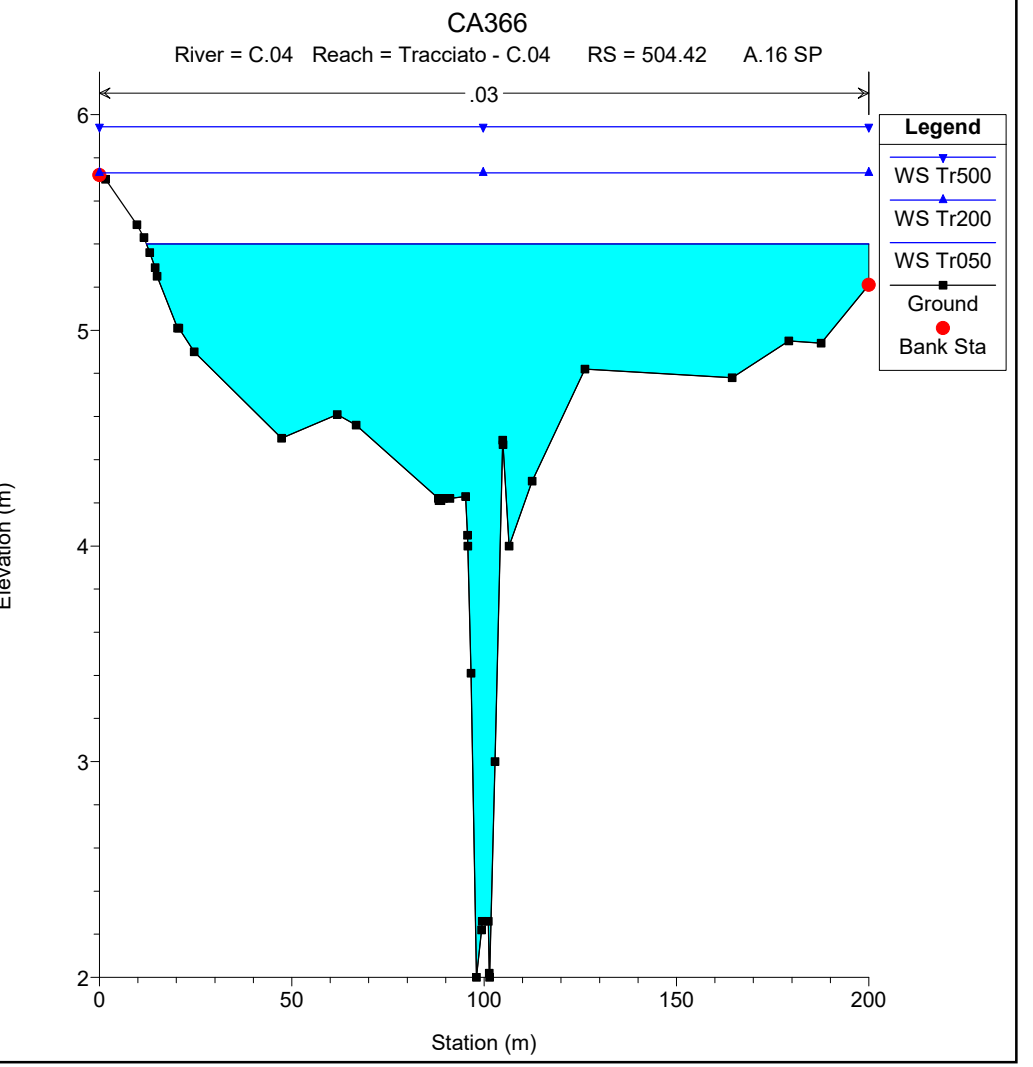
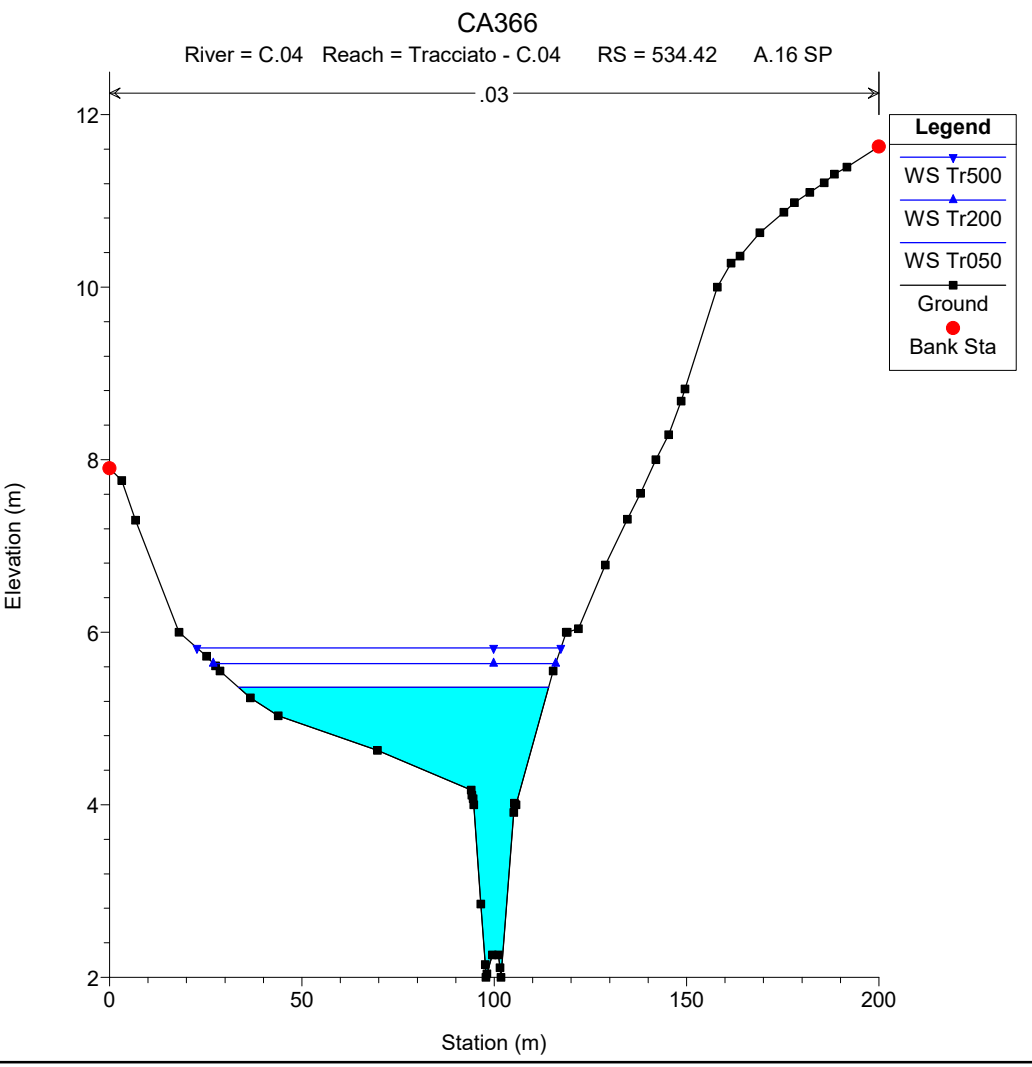
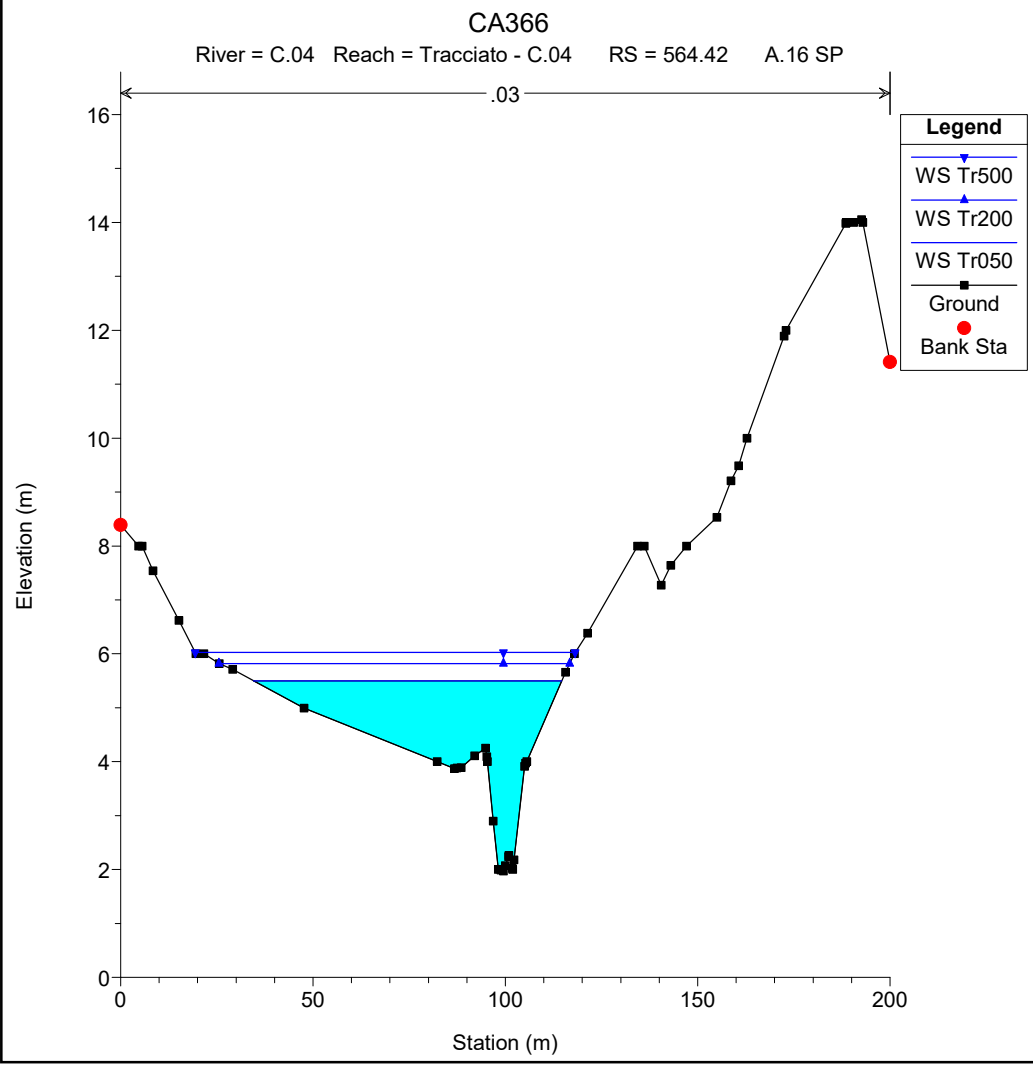
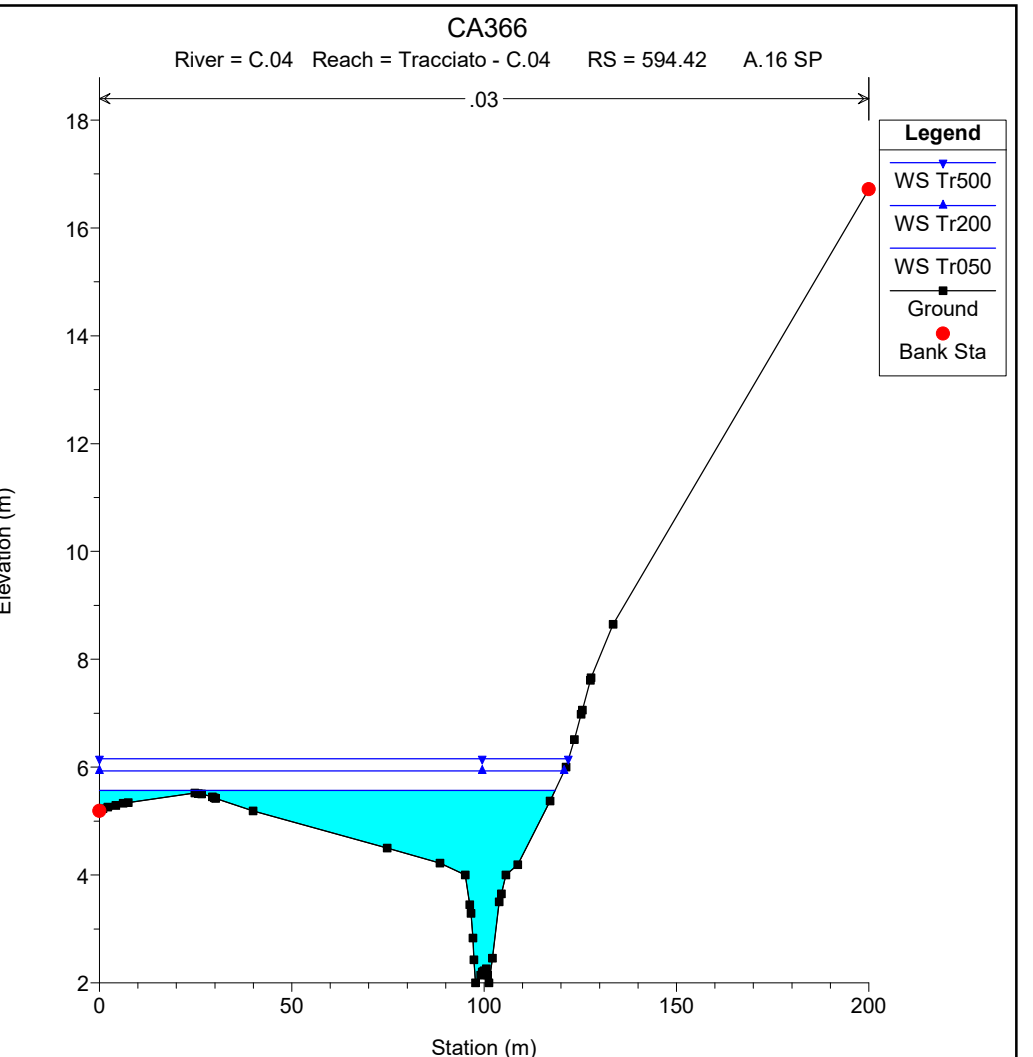
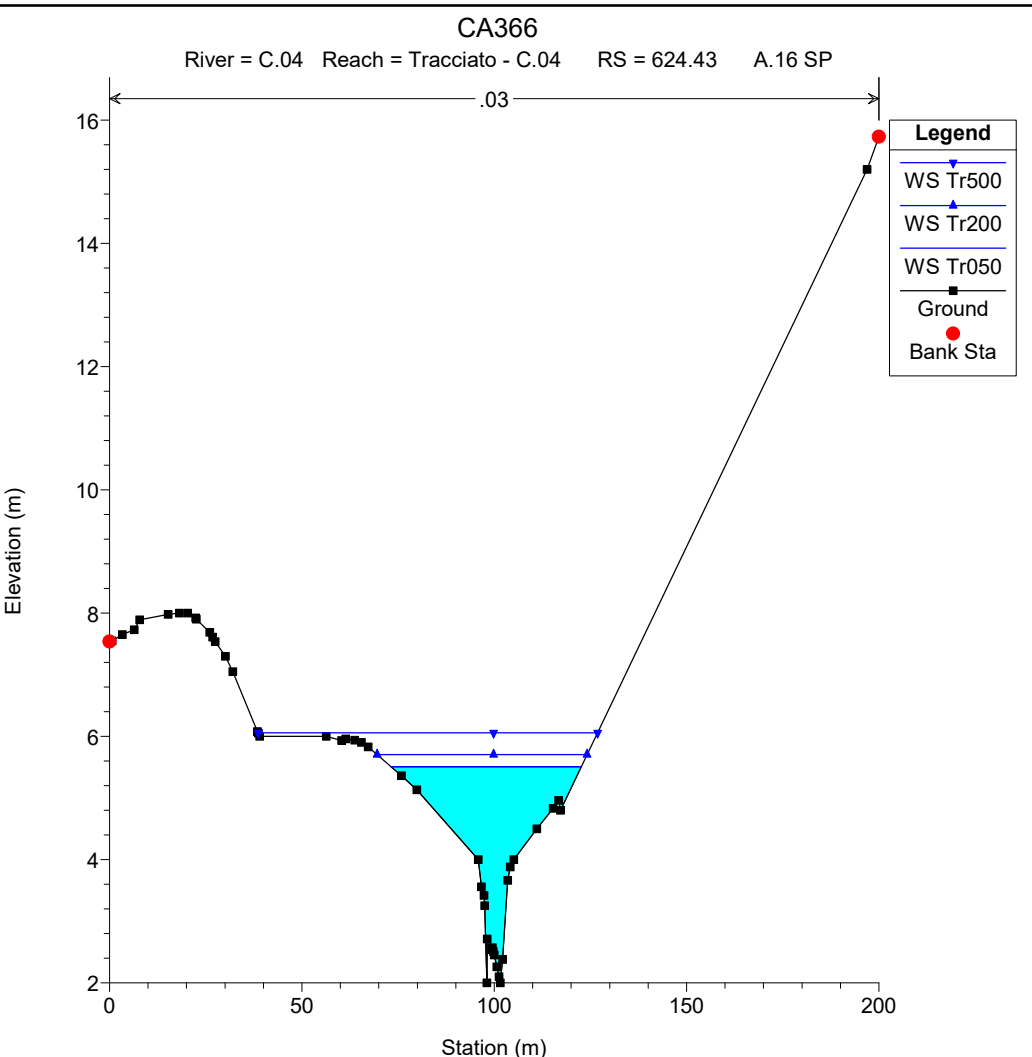
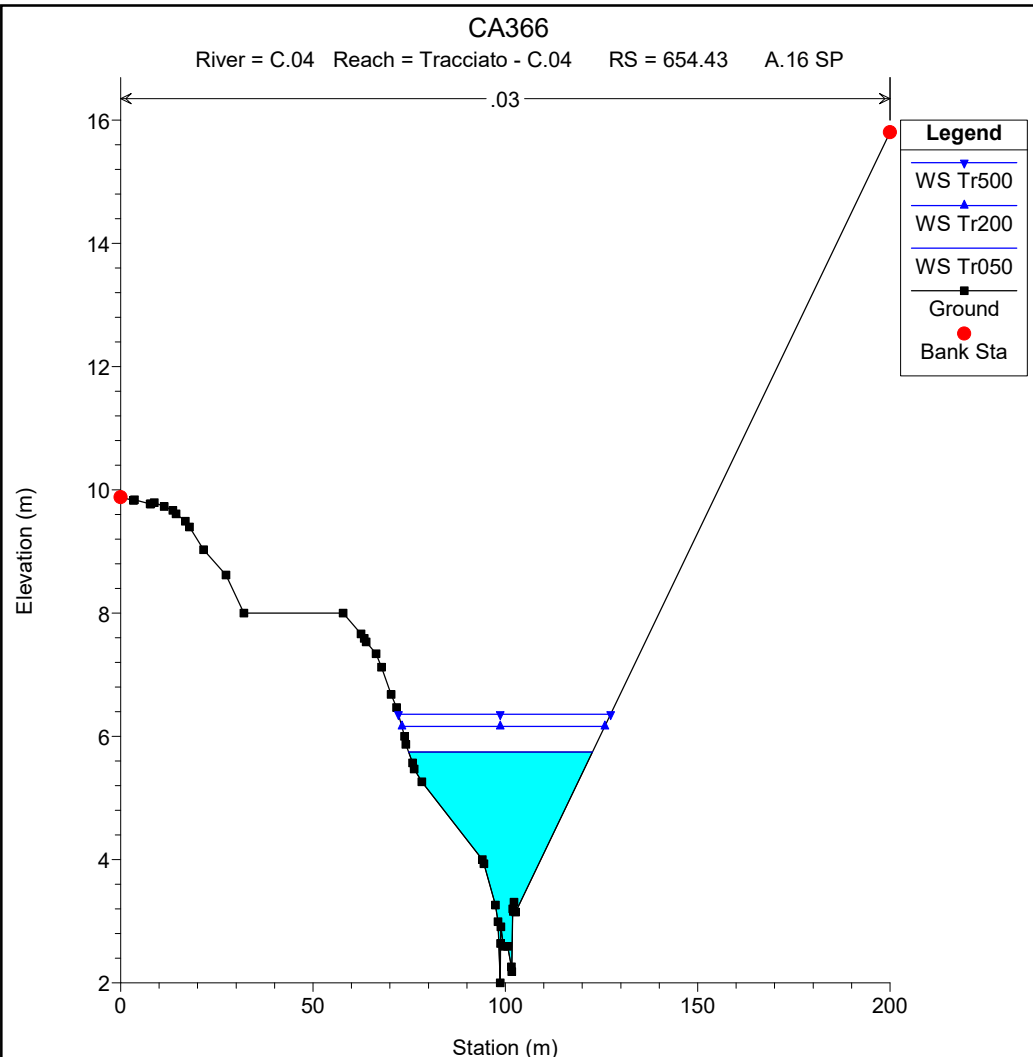


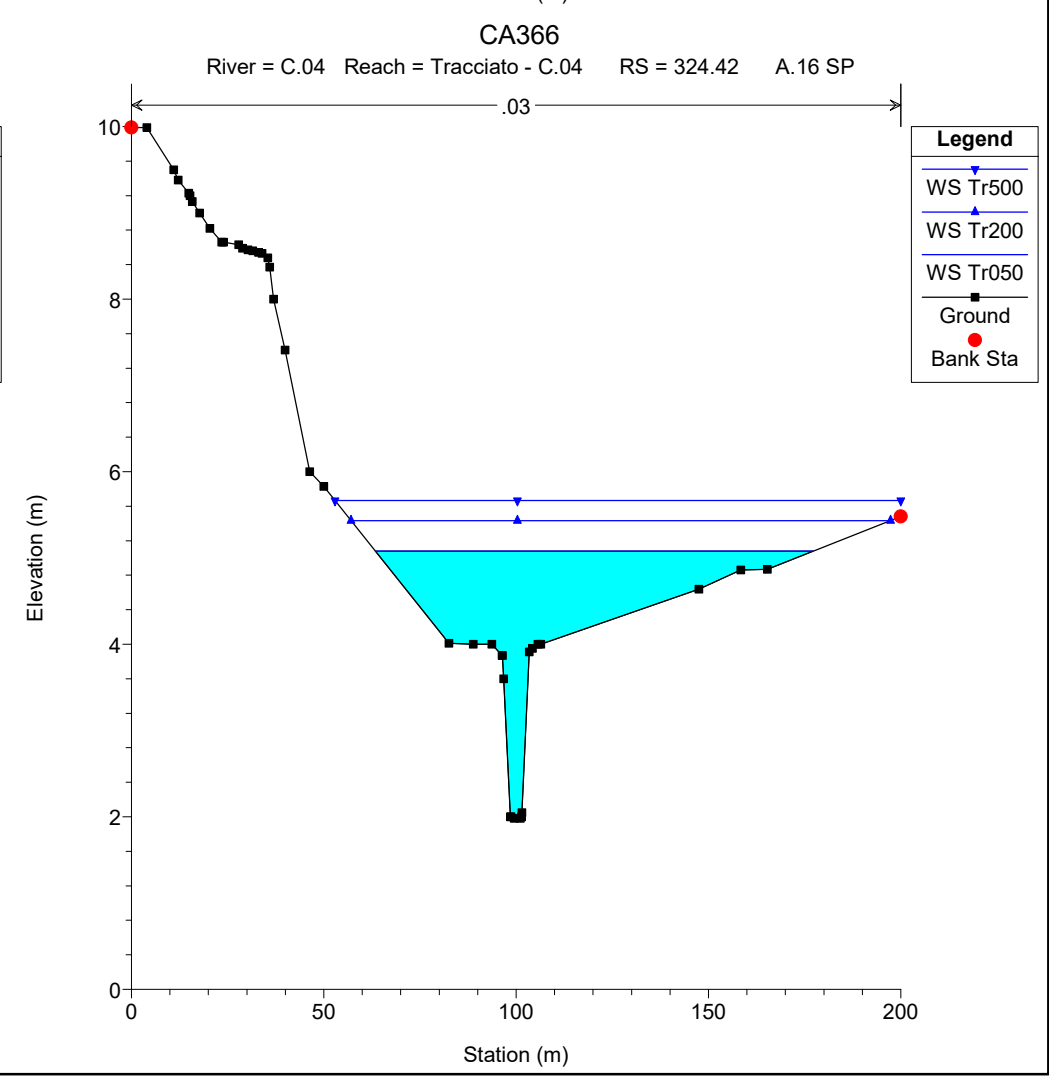
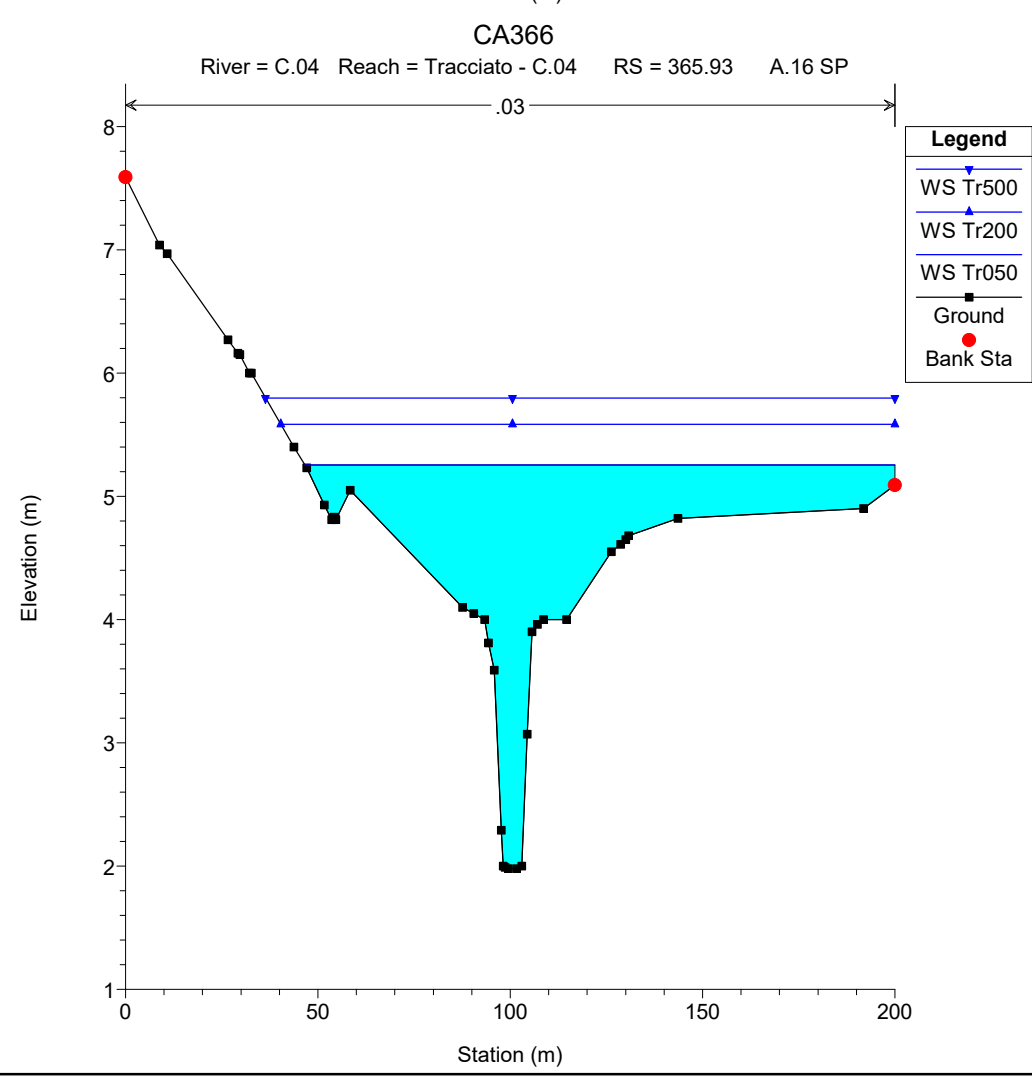
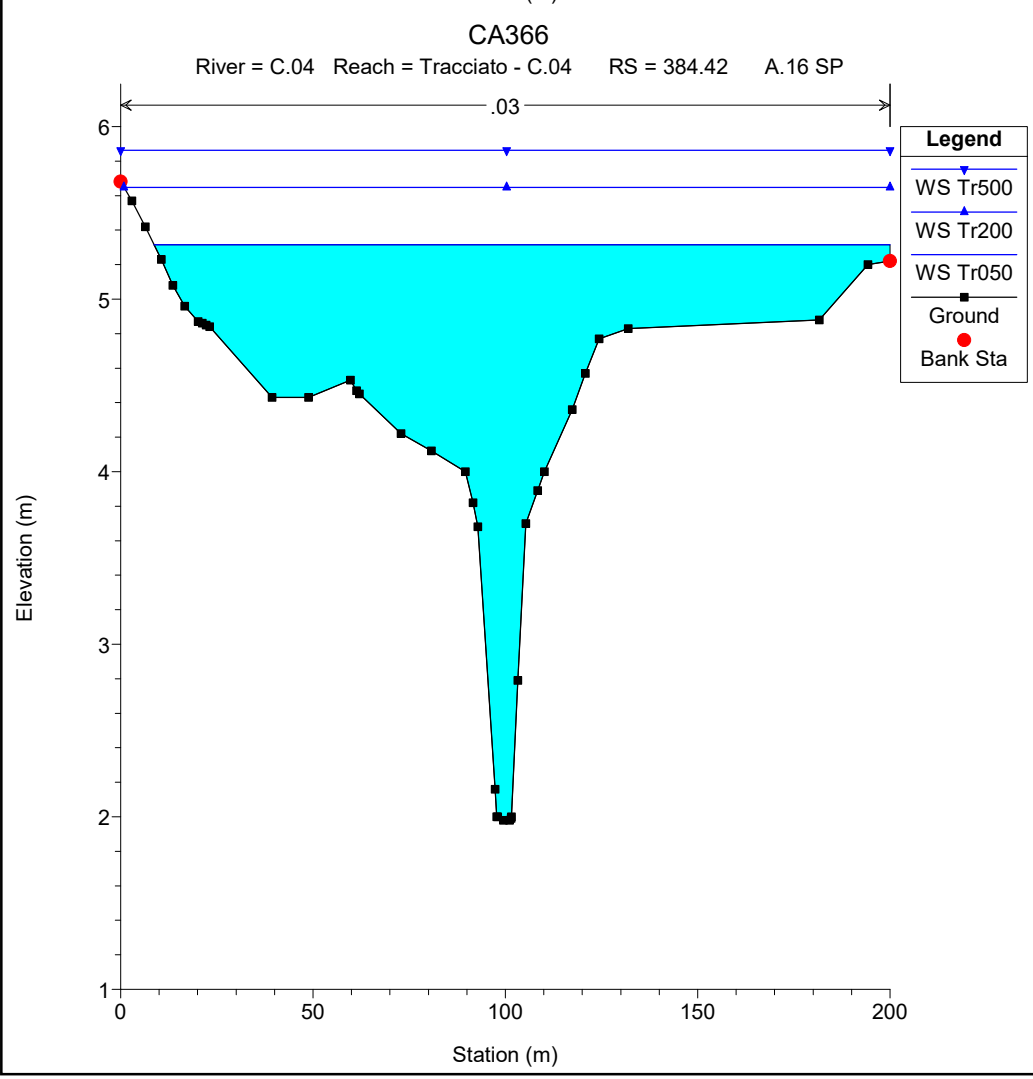
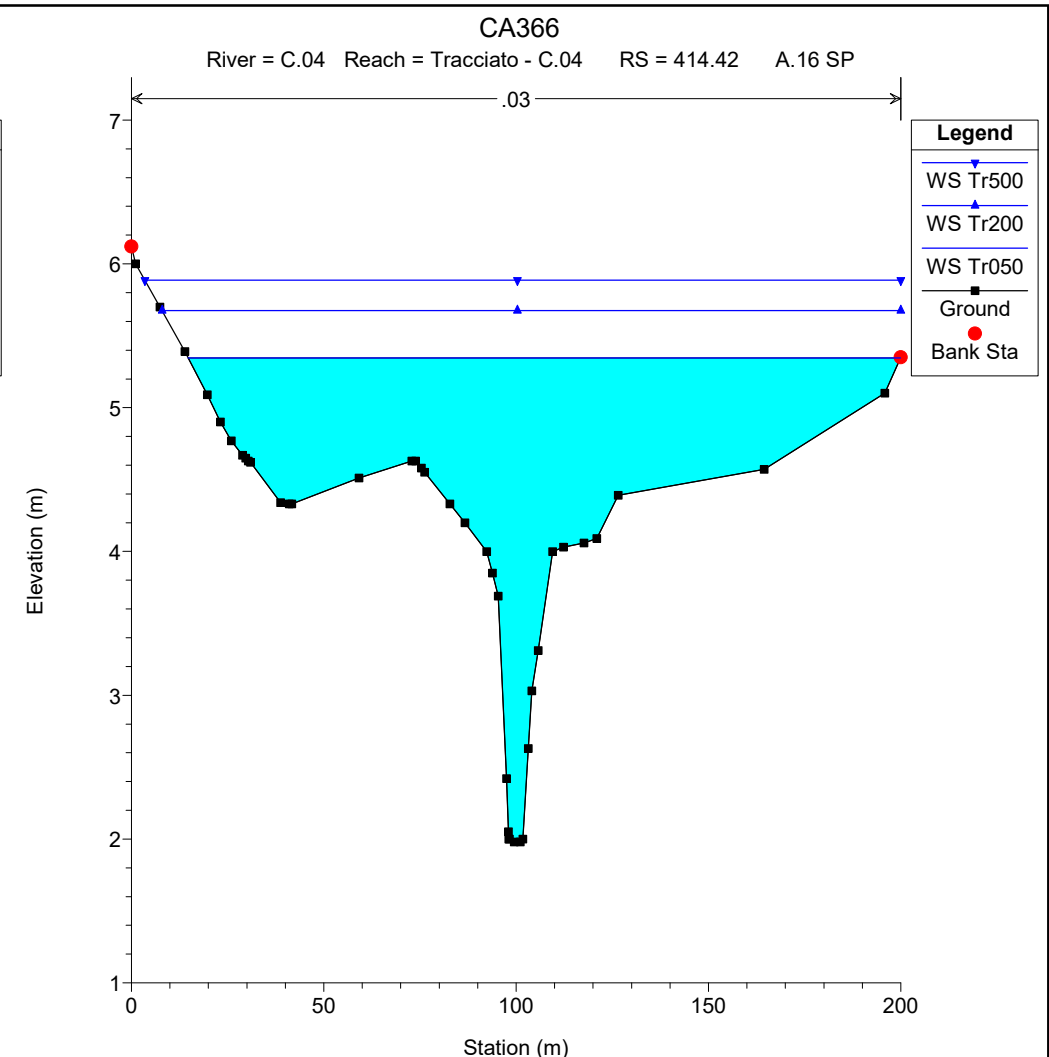
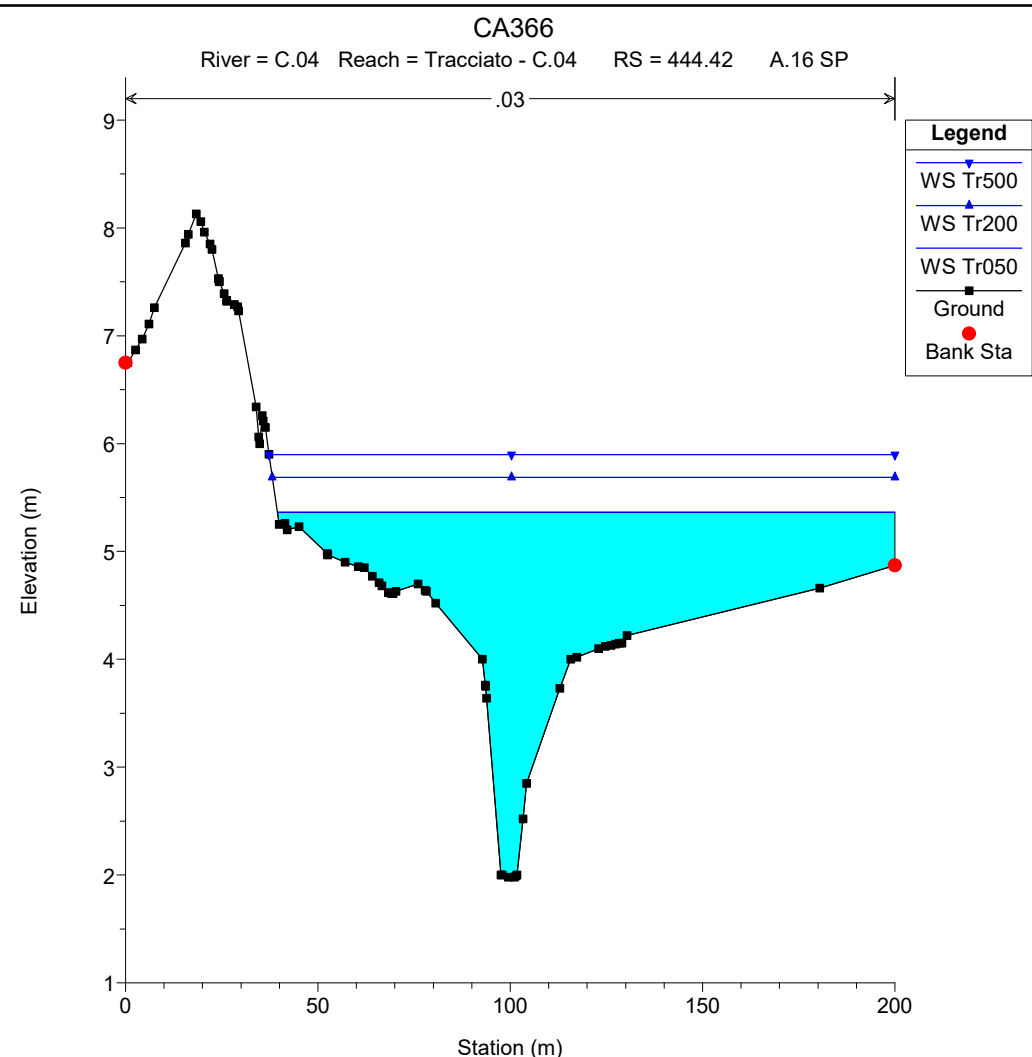
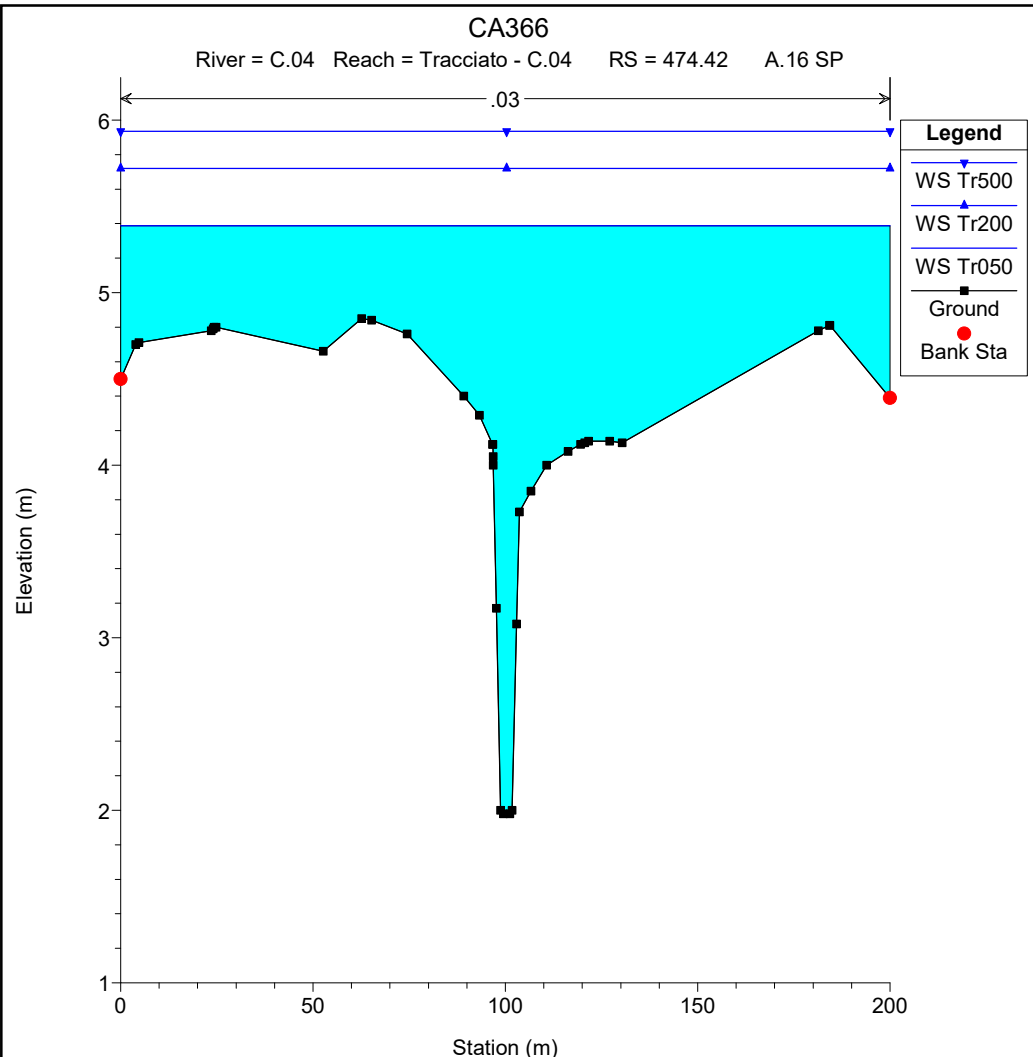


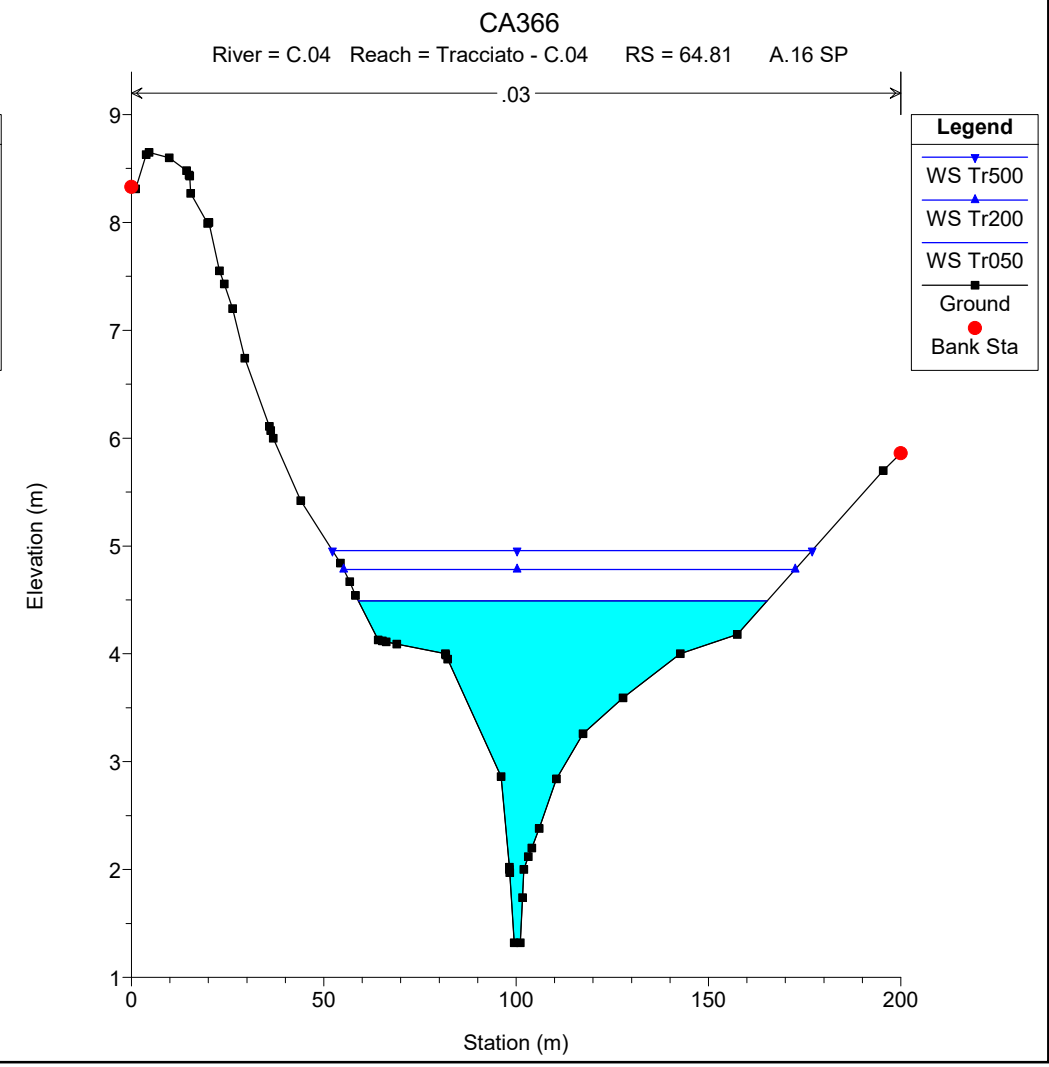
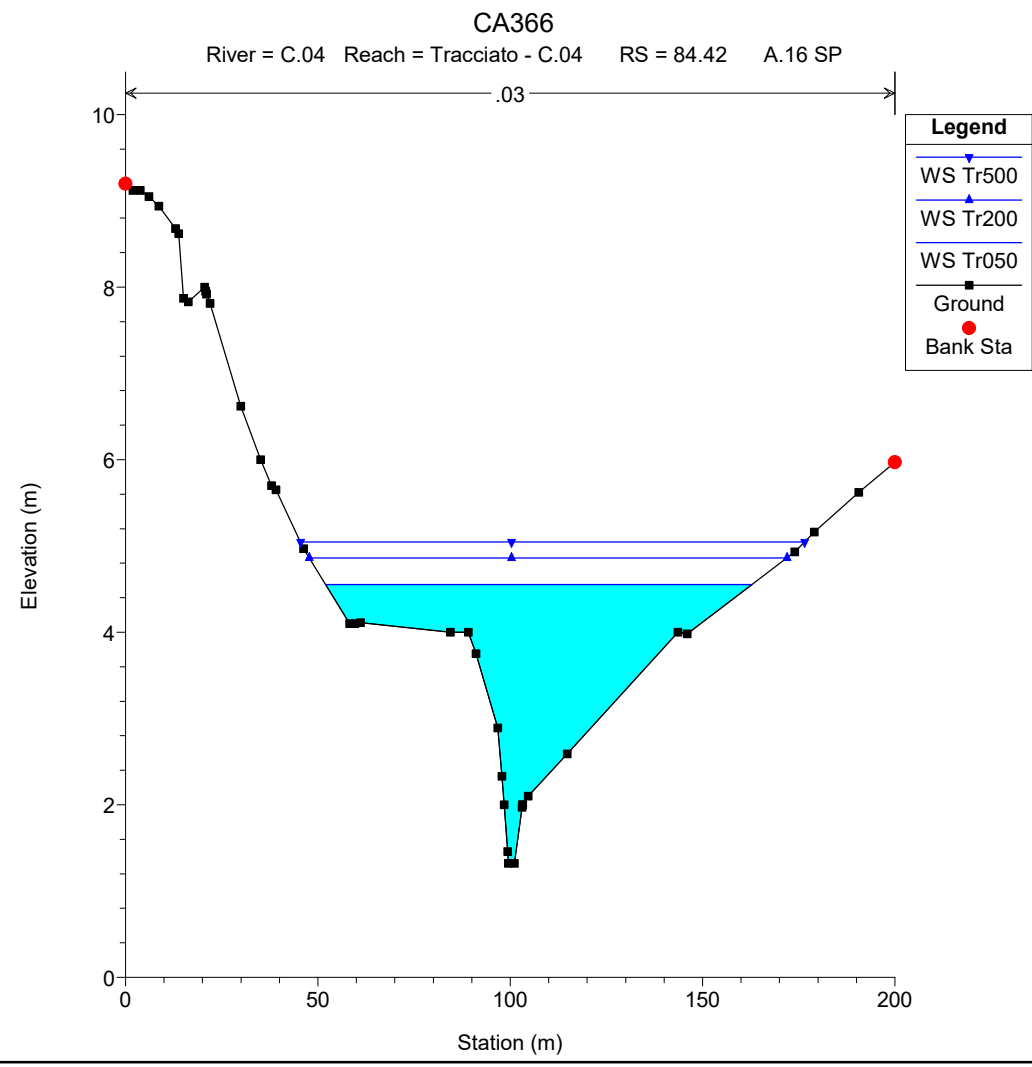
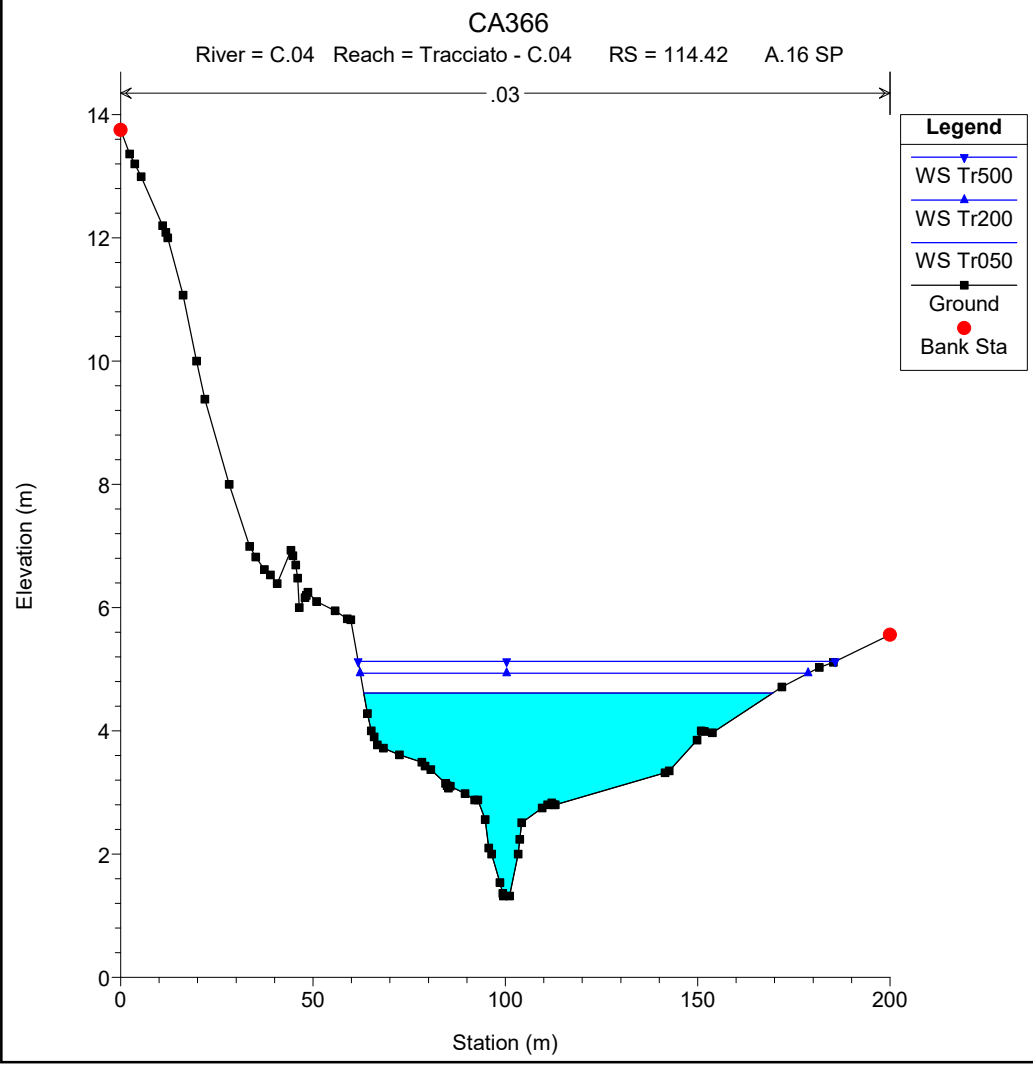
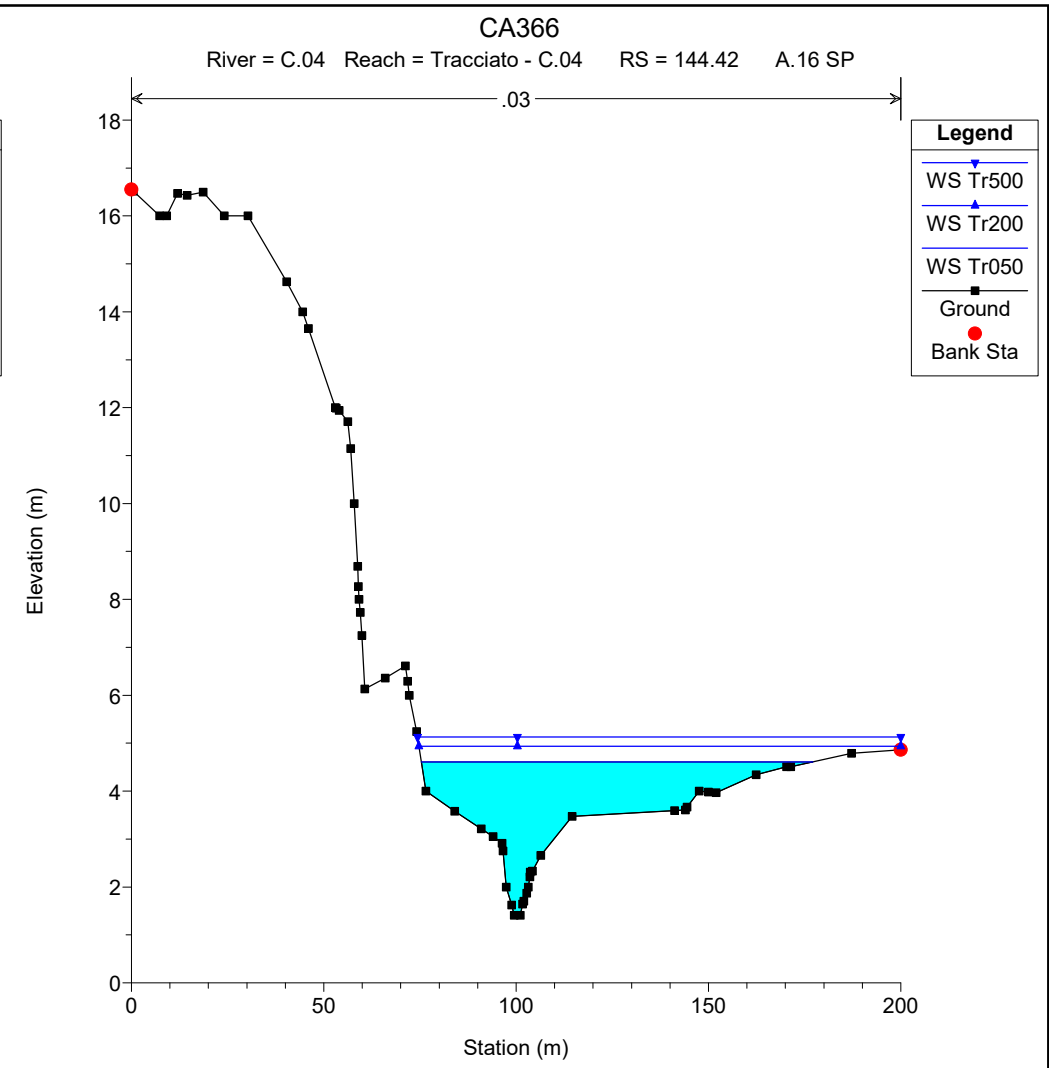
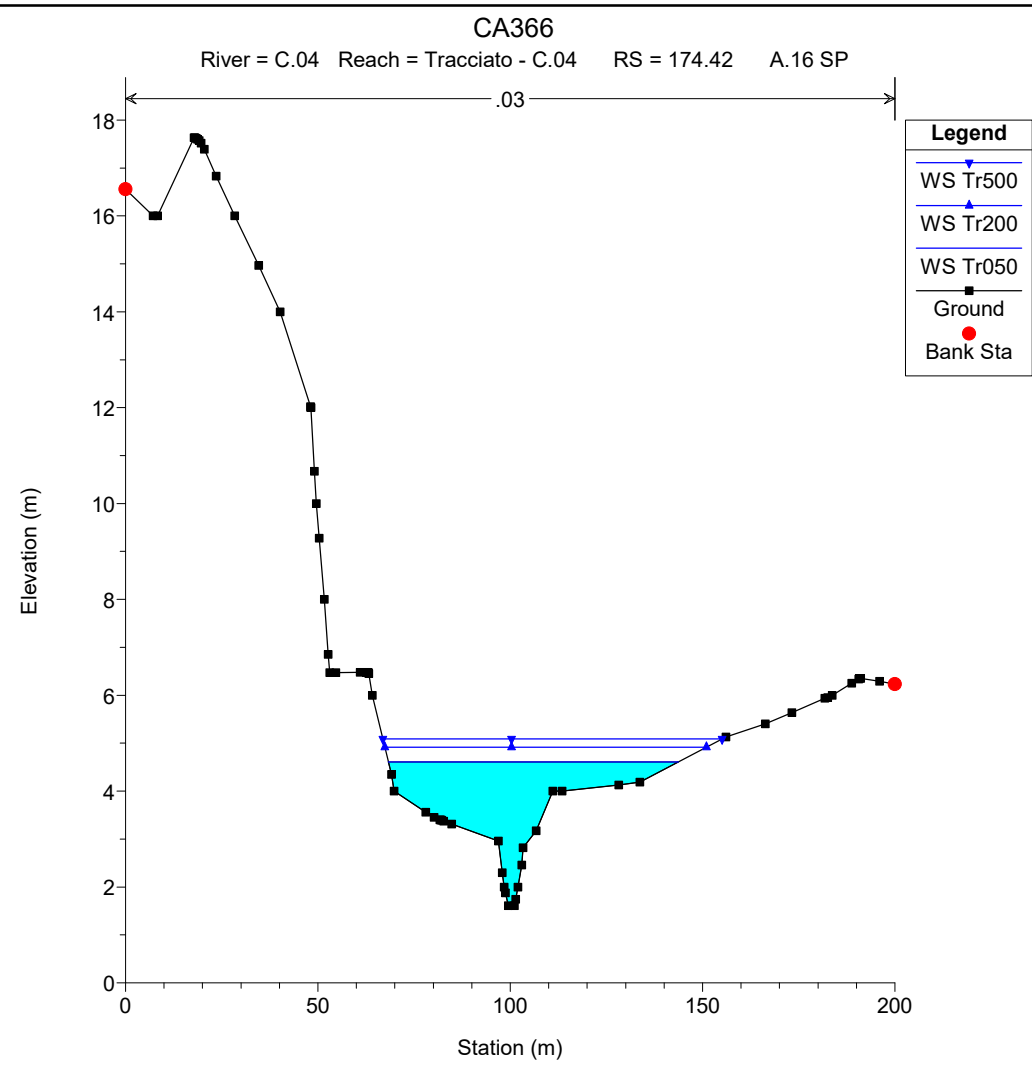
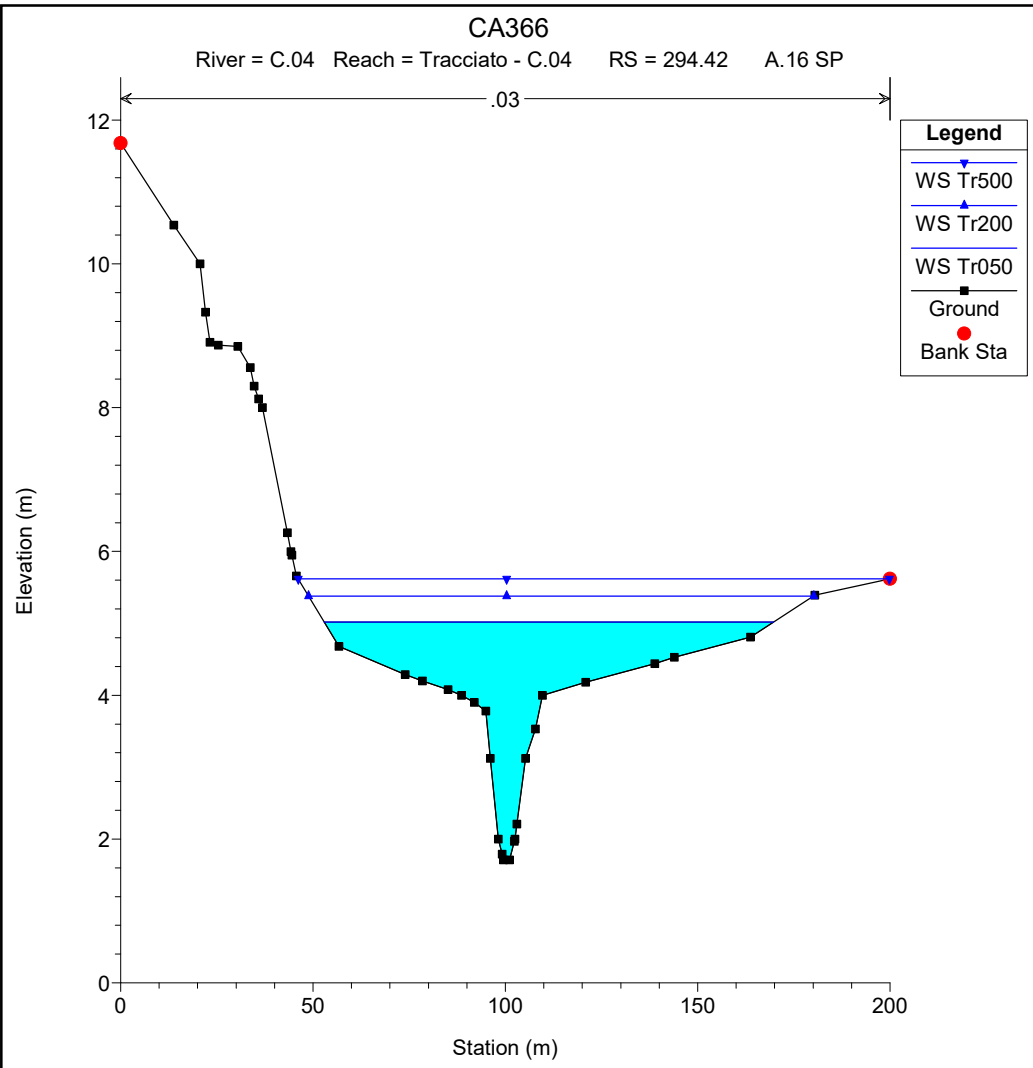


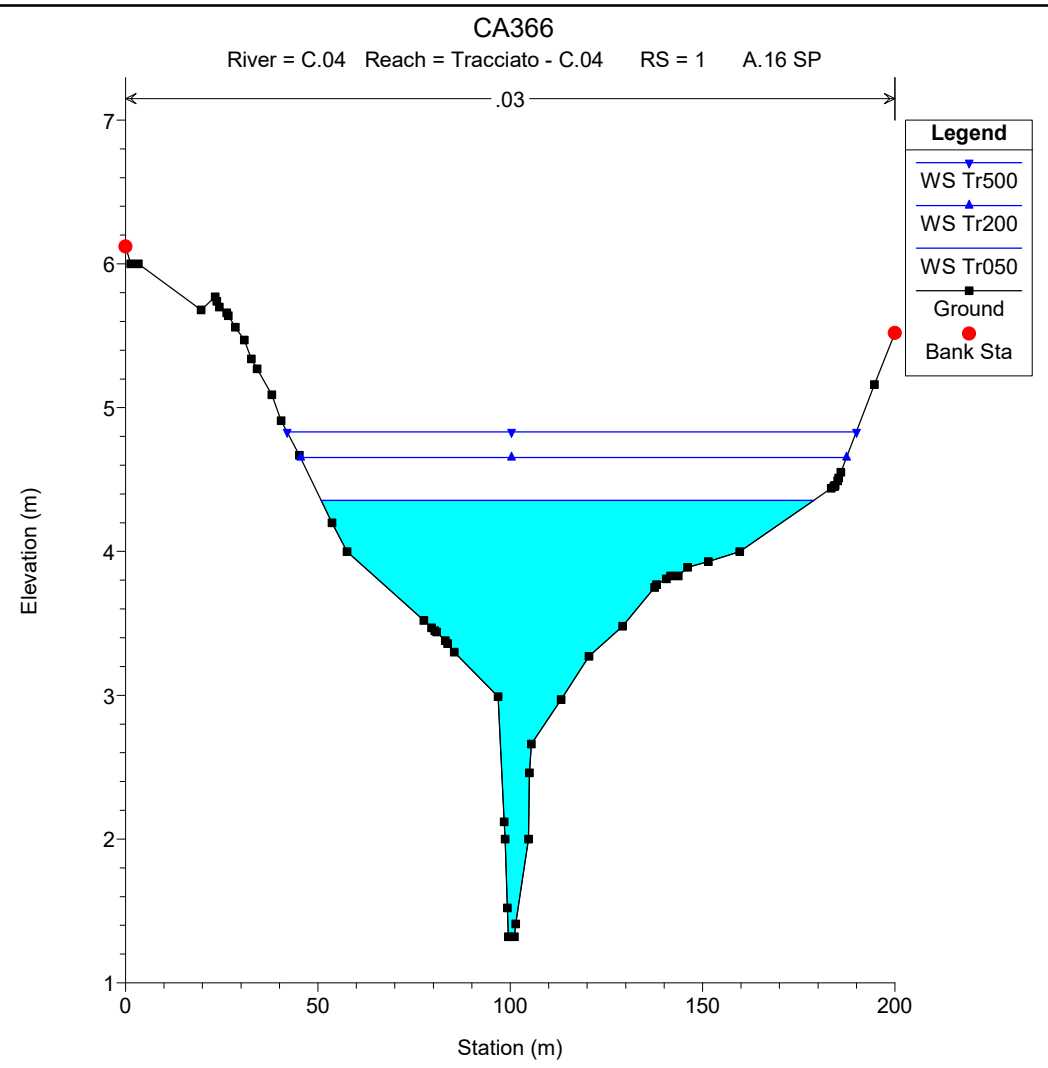
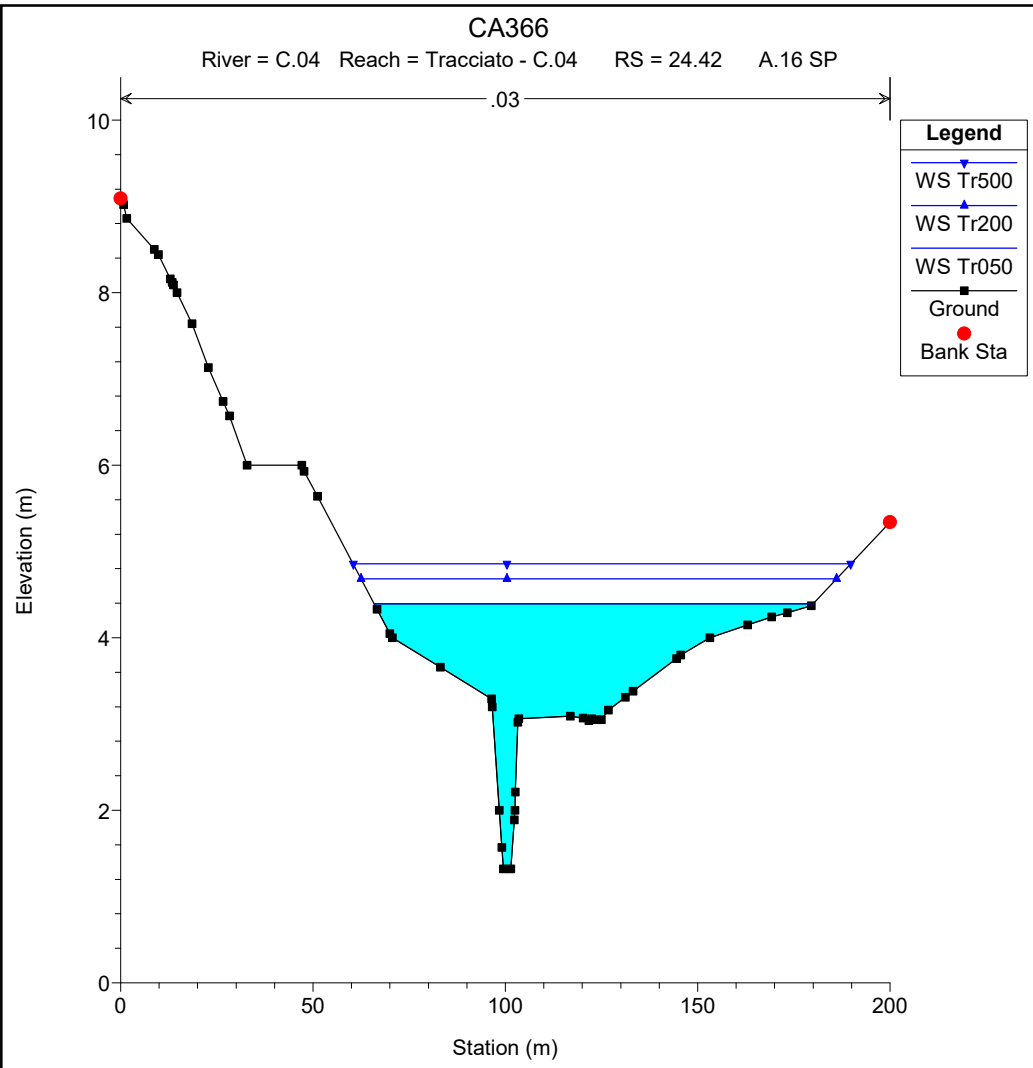












River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
C.04	Tracciato - C.04	1853.47	Tr050	137.00	7.77	9.51	9.51	9.80	0.011247	2.36	58.13	106.01	1.02
C.04	Tracciato - C.04	1853.47	Tr200	220.39	7.77	9.74	9.74	10.10	0.010251	2.65	83.05	118.34	1.01
C.04	Tracciato - C.04	1853.47	Tr500	281.34	7.77	9.87	9.87	10.28	0.009756	2.82	99.69	124.84	1.01
C.04	Tracciato - C.04	1824.47	Tr050	137.00	7.68	8.75	8.90	9.30	0.025820	3.29	41.65	86.48	1.51
C.04	Tracciato - C.04	1824.47	Tr200	220.39	7.68	8.95	9.15	9.64	0.022032	3.69	59.75	92.76	1.47
C.04	Tracciato - C.04	1824.47	Tr500	281.34	7.68	9.08	9.30	9.85	0.020011	3.88	72.43	96.79	1.43
C.04	Tracciato - C.04	1764.47	Tr050	137.00	6.43	8.52	7.92	8.58	0.001292	1.12	122.51	135.73	0.38
C.04	Tracciato - C.04	1764.47	Tr200	220.39	6.43	8.80	8.15	8.89	0.001407	1.36	162.08	142.71	0.41
C.04	Tracciato - C.04	1764.47	Tr500	281.34	6.43	8.97	8.32	9.08	0.001493	1.51	186.51	146.91	0.43
C.04	Tracciato - C.04	1674.47	Tr050	137.00	6.00	8.01	8.01	8.30	0.011663	2.37	57.86	108.11	1.03
C.04	Tracciato - C.04	1674.47	Tr200	220.39	6.00	8.23	8.23	8.60	0.009751	2.70	81.61	109.22	1.00
C.04	Tracciato - C.04	1674.47	Tr500	281.34	6.00	8.54		8.84	0.005087	2.43	115.66	110.79	0.76
C.04	Tracciato - C.04	1644.47	Tr050	137.00	6.00	7.82	7.63	7.98	0.005003	1.75	78.12	121.66	0.70
C.04	Tracciato - C.04	1644.47	Tr200	220.39	6.00	8.34	7.89	8.41	0.001400	1.18	186.19	200.00	0.39
C.04	Tracciato - C.04	1644.47	Tr500	281.34	6.00	8.65	8.02	8.72	0.000885	1.14	247.65	200.00	0.33
C.04	Tracciato - C.04	1614.47	Tr050	137.00	6.00	7.89		7.91	0.000408	0.68	202.36	200.00	0.21
C.04	Tracciato - C.04	1614.47	Tr200	220.39	6.00	8.36		8.38	0.000297	0.74	296.57	200.00	0.19
C.04	Tracciato - C.04	1614.47	Tr500	281.34	6.00	8.66		8.69	0.000261	0.79	357.47	200.00	0.19
C.04	Tracciato - C.04	1584.47	Tr050	137.00	6.00	7.88		7.90	0.000220	0.56	243.93	200.00	0.16
C.04	Tracciato - C.04	1584.47	Tr200	220.39	6.00	8.35		8.38	0.000192	0.65	338.38	200.00	0.16
C.04	Tracciato - C.04	1584.47	Tr500	281.34	6.00	8.66		8.68	0.000181	0.70	399.37	200.00	0.16
C.04	Tracciato - C.04	1554.47	Tr050	137.00	5.82	7.86		7.89	0.000409	0.73	188.84	168.81	0.22
C.04	Tracciato - C.04	1554.47	Tr200	220.39	5.82	8.33		8.37	0.000338	0.82	270.10	175.00	0.21
C.04	Tracciato - C.04	1554.47	Tr500	281.34	5.82	8.64		8.68	0.000309	0.87	323.91	178.38	0.21
C.04	Tracciato - C.04	1524.47	Tr050	137.00	6.00	7.83		7.87	0.000649	0.95	144.82	123.10	0.28
C.04	Tracciato - C.04	1524.47	Tr200	220.39	6.00	8.29		8.35	0.000642	1.06	208.82	149.34	0.29
C.04	Tracciato - C.04	1524.47	Tr500	281.34	6.00	8.60		8.66	0.000578	1.10	256.02	159.21	0.28
C.04	Tracciato - C.04	1494.47	Tr050	137.00	5.31	7.80		7.85	0.000609	0.98	140.15	107.52	0.27
C.04	Tracciato - C.04	1494.47	Tr200	220.39	5.31	8.26		8.33	0.000606	1.14	192.59	116.19	0.28
C.04	Tracciato - C.04	1494.47	Tr500	281.34	5.31	8.56		8.64	0.000613	1.23	228.01	123.82	0.29
C.04	Tracciato - C.04	1464.46	Tr050	137.00	5.85	7.69		7.81	0.001856	1.55	88.51	78.58	0.47
C.04	Tracciato - C.04	1464.46	Tr200	220.39	5.85	8.13		8.29	0.001690	1.76	124.93	84.89	0.46
C.04	Tracciato - C.04	1464.46	Tr500	281.34	5.85	8.42		8.60	0.001540	1.88	149.59	85.97	0.46
C.04	Tracciato - C.04	1434.46	Tr050	137.00	5.82	7.63		7.76	0.001934	1.59	86.10	75.67	0.48
C.04	Tracciato - C.04	1434.46	Tr200	220.39	5.82	8.07		8.24	0.001802	1.81	121.81	83.69	0.48
C.04	Tracciato - C.04	1434.46	Tr500	281.34	5.82	8.37		8.56	0.001613	1.92	146.71	84.86	0.47
C.04	Tracciato - C.04	1404.44	Tr050	137.00	5.67	7.53		7.69	0.002749	1.73	79.26	80.13	0.55
C.04	Tracciato - C.04	1404.44	Tr200	220.39	5.67	8.01		8.18	0.002448	1.80	122.13	106.13	0.54
C.04	Tracciato - C.04	1404.44	Tr500	281.34	5.67	8.33		8.50	0.001777	1.80	156.56	107.33	0.48
C.04	Tracciato - C.04	1374.44	Tr050	137.00	5.66	7.43		7.60	0.003162	1.81	75.87	79.66	0.59
C.04	Tracciato - C.04	1374.44	Tr200	220.39	5.66	7.94		8.11	0.002236	1.82	120.93	96.50	0.52
C.04	Tracciato - C.04	1374.44	Tr500	281.34	5.66	8.28		8.45	0.001739	1.80	156.48	105.29	0.47
C.04	Tracciato - C.04	1344.44	Tr050	137.00	5.66	7.35		7.51	0.002704	1.75	78.15	76.20	0.55
C.04	Tracciato - C.04	1344.44	Tr200	220.39	5.66	7.88		8.04	0.002023	1.81	121.96	91.31	0.50
C.04	Tracciato - C.04	1344.44	Tr500	281.34	5.66	8.23		8.40	0.001640	1.80	156.11	100.25	0.46
C.04	Tracciato - C.04	1314.44	Tr050	137.00	4.82	7.31		7.42	0.002039	1.48	92.41	93.55	0.48
C.04	Tracciato - C.04	1314.44	Tr200	220.39	4.82	7.87		7.98	0.001261	1.48	148.87	104.99	0.40
C.04	Tracciato - C.04	1314.44	Tr500	281.34	4.82	8.23		8.34	0.000979	1.51	186.84	105.79	0.36
C.04	Tracciato - C.04	1301.51	Tr050	137.00	4.71	7.29		7.39	0.002005	1.46	94.06	96.47	0.47
C.04	Tracciato - C.04	1301.51	Tr200	220.39	4.71	7.85		7.96	0.001160	1.44	152.68	104.77	0.38
C.04	Tracciato - C.04	1301.51	Tr500	281.34	4.71	8.22		8.33	0.000915	1.47	190.92	105.88	0.35
C.04	Tracciato - C.04	1240.25	Tr050	137.00	4.55	7.18		7.28	0.001690	1.36	100.50	100.64	0.44
C.04	Tracciato - C.04	1240.25	Tr200	220.39	4.55	7.80		7.89	0.001041	1.30	170.01	127.70	0.36
C.04	Tracciato - C.04	1240.25	Tr500	281.34	4.55	8.19		8.27	0.000806	1.26	222.64	143.29	0.32
C.04	Tracciato - C.04	1219.83	Tr050	137.00	4.22	7.15		7.25	0.001463	1.37	99.77	88.54	0.41
C.04	Tracciato - C.04	1219.83	Tr200	220.39	4.22	7.77		7.86	0.001106	1.35	163.19	120.52	0.37
C.04	Tracciato - C.04	1219.83	Tr500	281.34	4.22	8.16		8.25	0.000849	1.32	213.75	134.46	0.33
C.04	Tracciato - C.04	1206.62	Tr050	137.00	4.25	7.15		7.22	0.001061	1.18	115.96	101.60	0.35
C.04	Tracciato - C.04	1206.62	Tr200	220.39	4.25	7.78		7.85	0.000756	1.15	191.41	135.25	0.31
C.04	Tracciato - C.04	1206.62	Tr500	281.34	4.25	8.17		8.23	0.000566	1.14	245.94	140.96	0.28
C.04	Tracciato - C.04	1194.44	Tr050	137.00	3.33	7.16		7.20	0.000565	0.91	150.94	121.97	0.26
C.04	Tracciato - C.04	1194.44	Tr200	220.39	3.33	7.79		7.83	0.000430	0.94	235.07	147.47	0.24
C.04	Tracciato - C.04	1194.44	Tr500	281.34	3.33	8.18		8.22	0.000357	0.95	295.17	157.03	0.22
C.04	Tracciato - C.04	1169.91	Tr050	137.00	3.55	7.16		7.19	0.000209	0.75	183.41	93.51	0.17
C.04	Tracciato - C.04	1169.91	Tr200	220.39	3.55	7.78		7.82	0.000276	0.89	246.82	118.98	0.20
C.04	Tracciato - C.04	1169.91	Tr500	281.34	3.55	8.17		8.21	0.000337	0.92	306.42	165.25	0.22
C.04	Tracciato - C.04	1156.67	Tr050	137.00	3.54	7.06		7.18	0.000992	1.54	88.80	45.66	0.35
C.04	Tracciato - C.04	1156.67	Tr200	220.39	3.54	7.62		7.80	0.001195	1.90	116.17	50.00	0.40
C.04	Tracciato - C.04	1156.67	Tr500	281.34	3.54	7.96		8.19	0.001252	2.11	133.30	50.00	0.41

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
C.04	Tracciato - C.04	1112.91	Tr050	137.00	3.34	7.04	5.95	7.13	0.000784	1.33	102.82	58.01	0.32
C.04	Tracciato - C.04	1112.91	Tr200	220.39	3.34	7.61	6.32	7.74	0.000863	1.61	137.30	62.98	0.35
C.04	Tracciato - C.04	1112.91	Tr500	281.34	3.34	7.96	6.56	8.12	0.000899	1.76	160.07	66.13	0.36
C.04	Tracciato - C.04	1097.7	Tr050	137.00	3.34	7.02		7.12	0.000739	1.39	98.47	49.12	0.31
C.04	Tracciato - C.04	1097.7	Tr200	220.39	3.34	7.57		7.73	0.000918	1.74	126.71	53.21	0.36
C.04	Tracciato - C.04	1097.7	Tr500	281.34	3.34	7.91		8.10	0.001023	1.94	145.24	56.35	0.39
C.04	Tracciato - C.04	1062.28	Tr050	137.00	3.14	6.95		7.08	0.001169	1.58	86.52	51.30	0.39
C.04	Tracciato - C.04	1062.28	Tr200	220.39	3.14	7.50		7.68	0.001278	1.91	115.50	55.29	0.42
C.04	Tracciato - C.04	1062.28	Tr500	281.34	3.14	7.83		8.06	0.001327	2.09	134.51	57.67	0.44
C.04	Tracciato - C.04	1044.43	Tr050	137.00	3.14	6.90		7.06	0.001663	1.73	79.06	53.49	0.46
C.04	Tracciato - C.04	1044.43	Tr200	220.39	3.14	7.45		7.66	0.001638	2.00	110.08	59.34	0.47
C.04	Tracciato - C.04	1044.43	Tr500	281.34	3.14	7.80		8.03	0.001615	2.15	131.11	63.07	0.48
C.04	Tracciato - C.04	1014.43	Tr050	137.00	3.14	6.88		7.00	0.001323	1.52	90.24	63.17	0.41
C.04	Tracciato - C.04	1014.43	Tr200	220.39	3.14	7.45		7.60	0.001246	1.73	127.72	70.55	0.41
C.04	Tracciato - C.04	1014.43	Tr500	281.34	3.14	7.80		7.97	0.001247	1.83	153.90	78.09	0.42
C.04	Tracciato - C.04	984.43	Tr050	137.00	3.14	6.81		6.95	0.001731	1.67	82.03	59.59	0.45
C.04	Tracciato - C.04	984.43	Tr200	220.39	3.14	7.37		7.55	0.001546	1.88	116.93	65.14	0.45
C.04	Tracciato - C.04	984.43	Tr500	281.34	3.14	7.72		7.92	0.001468	2.01	140.12	68.28	0.45
C.04	Tracciato - C.04	954.44	Tr050	137.00	3.21	6.74		6.90	0.001724	1.77	77.27	51.50	0.46
C.04	Tracciato - C.04	954.44	Tr200	220.39	3.21	7.29		7.50	0.001814	2.04	108.27	61.11	0.49
C.04	Tracciato - C.04	954.44	Tr500	281.34	3.21	7.64		7.87	0.001800	2.15	130.61	67.46	0.49
C.04	Tracciato - C.04	924.44	Tr050	137.00	3.00	6.70		6.85	0.001479	1.70	80.59	51.08	0.43
C.04	Tracciato - C.04	924.44	Tr200	220.39	3.00	7.24		7.45	0.001605	2.00	110.41	58.55	0.46
C.04	Tracciato - C.04	924.44	Tr500	281.34	3.00	7.59		7.82	0.001626	2.14	131.30	63.26	0.47
C.04	Tracciato - C.04	894.44	Tr050	137.00	2.75	6.61		6.79	0.001875	1.91	71.85	46.00	0.49
C.04	Tracciato - C.04	894.44	Tr200	220.39	2.75	7.12		7.39	0.002013	2.29	96.14	49.17	0.52
C.04	Tracciato - C.04	894.44	Tr500	281.34	2.75	7.44		7.76	0.002078	2.51	112.04	51.12	0.54
C.04	Tracciato - C.04	864.44	Tr050	137.00	2.75	6.55		6.74	0.001850	1.91	71.63	45.13	0.48
C.04	Tracciato - C.04	864.44	Tr200	220.39	2.75	7.05		7.33	0.002034	2.33	94.69	47.57	0.53
C.04	Tracciato - C.04	864.44	Tr500	281.34	2.75	7.36		7.69	0.002132	2.57	109.54	49.09	0.55
C.04	Tracciato - C.04	834.44	Tr050	137.00	2.72	6.51		6.68	0.001769	1.82	75.42	49.57	0.47
C.04	Tracciato - C.04	834.44	Tr200	220.39	2.72	7.01		7.26	0.001835	2.19	100.86	51.41	0.50
C.04	Tracciato - C.04	834.44	Tr500	281.34	2.72	7.33		7.62	0.001876	2.40	117.04	52.42	0.51
C.04	Tracciato - C.04	804.44	Tr050	137.00	2.72	6.36		6.60	0.003156	2.16	63.43	49.49	0.61
C.04	Tracciato - C.04	804.44	Tr200	220.39	2.72	6.88		7.18	0.002863	2.44	90.18	54.37	0.61
C.04	Tracciato - C.04	804.44	Tr500	281.34	2.72	7.20		7.55	0.002883	2.60	108.19	56.58	0.60
C.04	Tracciato - C.04	774.44	Tr050	137.00	2.72	6.14		6.48	0.004637	2.57	53.34	42.90	0.74
C.04	Tracciato - C.04	774.44	Tr200	220.39	2.72	6.63		7.07	0.004321	2.93	75.14	46.89	0.74
C.04	Tracciato - C.04	774.44	Tr500	281.34	2.72	6.94		7.43	0.004136	3.12	90.05	49.43	0.74
C.04	Tracciato - C.04	744.43	Tr050	137.00	2.72	6.03		6.35	0.003845	2.49	54.97	40.40	0.68
C.04	Tracciato - C.04	744.43	Tr200	220.39	2.72	6.50		6.94	0.004037	2.94	74.98	44.60	0.72
C.04	Tracciato - C.04	744.43	Tr500	281.34	2.72	6.79		7.31	0.004113	3.19	88.31	47.20	0.74
C.04	Tracciato - C.04	714.43	Tr050	137.00	2.72	5.81		6.20	0.005398	2.79	49.18	39.50	0.80
C.04	Tracciato - C.04	714.43	Tr200	220.39	2.72	6.22	6.04	6.78	0.005855	3.33	66.27	43.33	0.86
C.04	Tracciato - C.04	714.43	Tr500	281.34	2.72	6.42	6.32	7.14	0.006606	3.74	75.32	45.30	0.93
C.04	Tracciato - C.04	684.43	Tr050	137.00	2.59	5.79		6.05	0.002691	2.24	61.19	39.80	0.58
C.04	Tracciato - C.04	684.43	Tr200	220.39	2.59	6.19		6.60	0.003487	2.84	77.71	42.98	0.67
C.04	Tracciato - C.04	684.43	Tr500	281.34	2.59	6.38		6.93	0.004291	3.27	85.94	44.82	0.75
C.04	Tracciato - C.04	654.43	Tr050	137.00	2.00	5.75		5.96	0.002516	2.03	67.55	47.80	0.54
C.04	Tracciato - C.04	654.43	Tr200	220.39	2.00	6.16		6.48	0.003011	2.49	88.42	52.74	0.61
C.04	Tracciato - C.04	654.43	Tr500	281.34	2.00	6.36		6.77	0.003558	2.84	99.05	55.12	0.68
C.04	Tracciato - C.04	624.43	Tr050	137.00	2.00	5.51		5.84	0.005507	2.53	54.05	49.54	0.77
C.04	Tracciato - C.04	624.43	Tr200	220.39	2.00	5.70	5.70	6.30	0.009103	3.43	64.17	54.60	1.01
C.04	Tracciato - C.04	624.43	Tr500	281.34	2.00	6.06	6.06	6.59	0.009939	3.23	87.08	88.23	1.04
C.04	Tracciato - C.04	594.42	Tr050	137.00	2.00	5.57		5.67	0.002191	1.38	99.57	118.44	0.48
C.04	Tracciato - C.04	594.42	Tr200	220.39	2.00	5.93	5.37	6.05	0.001755	1.54	142.85	120.82	0.45
C.04	Tracciato - C.04	594.42	Tr500	281.34	2.00	6.16	5.56	6.30	0.001627	1.66	169.92	121.92	0.45
C.04	Tracciato - C.04	564.42	Tr050	137.00	1.97	5.50		5.61	0.001636	1.47	93.09	80.14	0.44
C.04	Tracciato - C.04	564.42	Tr200	220.39	1.97	5.82		5.99	0.002118	1.83	120.55	91.16	0.51
C.04	Tracciato - C.04	564.42	Tr500	281.34	1.97	6.02		6.23	0.002349	2.01	139.66	98.78	0.54
C.04	Tracciato - C.04	534.42	Tr050	137.00	2.00	5.36		5.53	0.003489	1.84	74.30	80.64	0.61
C.04	Tracciato - C.04	534.42	Tr200	220.39	2.00	5.64		5.90	0.004129	2.26	97.68	89.00	0.69
C.04	Tracciato - C.04	534.42	Tr500	281.34	2.00	5.82		6.13	0.004320	2.46	114.30	94.62	0.72
C.04	Tracciato - C.04	504.42	Tr050	137.00	2.00	5.40		5.44	0.001040	0.92	149.48	187.77	0.33
C.04	Tracciato - C.04	504.42	Tr200	220.39	2.00	5.73		5.78	0.000899	1.03	213.09	200.00	0.32
C.04	Tracciato - C.04	504.42	Tr500	281.34	2.00	5.94		6.00	0.000799	1.10	255.82	200.00	0.31
C.04	Tracciato - C.04	474.42	Tr050	137.00	1.98	5.39		5.42	0.000554	0.74	185.69	200.00	0.24
C.04	Tracciato - C.04	474.42	Tr200	220.39	1.98	5.72		5.76	0.000520	0.87	252.00	200.00	0.25
C.04	Tracciato - C.04	474.42	Tr500	281.34	1.98	5.93		5.98	0.000503	0.95	294.97	200.00	0.25

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
C.04	Tracciato - C.04	444.42	Tr050	137.00	1.98	5.36		5.40	0.000610	0.83	164.52	160.51	0.26
C.04	Tracciato - C.04	444.42	Tr200	220.39	1.98	5.69		5.74	0.000637	1.02	216.92	161.88	0.28
C.04	Tracciato - C.04	444.42	Tr500	281.34	1.98	5.90		5.96	0.000643	1.12	251.11	162.76	0.29
C.04	Tracciato - C.04	414.42	Tr050	137.00	1.98	5.35		5.38	0.000615	0.79	173.57	185.21	0.26
C.04	Tracciato - C.04	414.42	Tr200	220.39	1.98	5.67		5.72	0.000606	0.94	235.40	192.03	0.27
C.04	Tracciato - C.04	414.42	Tr500	281.34	1.98	5.89		5.94	0.000594	1.02	276.80	196.52	0.27
C.04	Tracciato - C.04	384.42	Tr050	137.00	1.98	5.32		5.36	0.000922	0.88	155.70	191.31	0.31
C.04	Tracciato - C.04	384.42	Tr200	220.39	1.98	5.65		5.70	0.000794	1.00	220.26	199.13	0.30
C.04	Tracciato - C.04	384.42	Tr500	281.34	1.98	5.86		5.92	0.000720	1.07	263.27	200.00	0.30
C.04	Tracciato - C.04	365.93	Tr050	137.00	1.98	5.26		5.33	0.001908	1.19	114.82	153.40	0.44
C.04	Tracciato - C.04	365.93	Tr200	220.39	1.98	5.58		5.67	0.001517	1.32	166.34	159.68	0.41
C.04	Tracciato - C.04	365.93	Tr500	281.34	1.98	5.80		5.90	0.001365	1.40	200.82	163.61	0.40
C.04	Tracciato - C.04	324.42	Tr050	137.00	1.98	5.08		5.22	0.003661	1.63	83.96	113.82	0.61
C.04	Tracciato - C.04	324.42	Tr200	220.39	1.98	5.43		5.58	0.002985	1.71	128.95	140.30	0.57
C.04	Tracciato - C.04	324.42	Tr500	281.34	1.98	5.67		5.82	0.002387	1.73	162.76	147.13	0.52
C.04	Tracciato - C.04	294.42	Tr050	137.00	1.71	5.02		5.12	0.002304	1.41	97.23	116.79	0.49
C.04	Tracciato - C.04	294.42	Tr200	220.39	1.71	5.38		5.50	0.001960	1.55	142.26	131.35	0.48
C.04	Tracciato - C.04	294.42	Tr500	281.34	1.71	5.62		5.75	0.001932	1.60	176.07	153.69	0.48
C.04	Tracciato - C.04	174.42	Tr050	137.00	1.61	4.61		4.79	0.003257	1.86	73.71	75.36	0.60
C.04	Tracciato - C.04	174.42	Tr200	220.39	1.61	4.92		5.17	0.003724	2.25	98.14	83.62	0.66
C.04	Tracciato - C.04	174.42	Tr500	281.34	1.61	5.09		5.40	0.004105	2.50	112.72	88.17	0.70
C.04	Tracciato - C.04	144.42	Tr050	137.00	1.41	4.61		4.70	0.001424	1.29	106.35	101.74	0.40
C.04	Tracciato - C.04	144.42	Tr200	220.39	1.41	4.94		5.06	0.001793	1.54	143.44	125.28	0.46
C.04	Tracciato - C.04	144.42	Tr500	281.34	1.41	5.13		5.27	0.001743	1.68	167.82	125.65	0.46
C.04	Tracciato - C.04	114.42	Tr050	137.00	1.32	4.61		4.66	0.000564	0.96	142.79	106.35	0.26
C.04	Tracciato - C.04	114.42	Tr200	220.39	1.32	4.93		5.01	0.000783	1.23	178.47	116.44	0.32
C.04	Tracciato - C.04	114.42	Tr500	281.34	1.32	5.13		5.22	0.000926	1.40	201.51	124.09	0.35
C.04	Tracciato - C.04	84.42	Tr050	137.00	1.32	4.55		4.63	0.001356	1.23	111.61	110.90	0.39
C.04	Tracciato - C.04	84.42	Tr200	220.39	1.32	4.86		4.97	0.001604	1.49	147.65	124.16	0.44
C.04	Tracciato - C.04	84.42	Tr500	281.34	1.32	5.05		5.18	0.001710	1.64	171.34	131.05	0.46
C.04	Tracciato - C.04	64.81	Tr050	137.00	1.32	4.49		4.60	0.002164	1.44	95.37	106.24	0.48
C.04	Tracciato - C.04	64.81	Tr200	220.39	1.32	4.78		4.93	0.002399	1.72	127.94	117.35	0.53
C.04	Tracciato - C.04	64.81	Tr500	281.34	1.32	4.96		5.14	0.002534	1.88	149.27	124.68	0.55
C.04	Tracciato - C.04	24.42	Tr050	137.00	1.32	4.39		4.50	0.002502	1.46	94.14	114.13	0.51
C.04	Tracciato - C.04	24.42	Tr200	220.39	1.32	4.68		4.83	0.002548	1.71	128.55	123.65	0.54
C.04	Tracciato - C.04	24.42	Tr500	281.34	1.32	4.86		5.03	0.002608	1.87	150.46	129.34	0.55
C.04	Tracciato - C.04	1	Tr050	137.00	1.32	4.36	3.90	4.44	0.002001	1.30	105.25	128.11	0.46
C.04	Tracciato - C.04	1	Tr200	220.39	1.32	4.65	4.16	4.77	0.002001	1.51	145.83	141.97	0.48
C.04	Tracciato - C.04	1	Tr500	281.34	1.32	4.83	4.30	4.97	0.002001	1.64	171.66	148.01	0.49
C.03.2	Tracciato - C.03	431.78	Tr050	124.37	8.73	11.00	11.00	11.77	0.009296	3.88	32.07	21.18	1.01
C.03.2	Tracciato - C.03	431.78	Tr200	198.60	8.73	11.61	11.61	12.57	0.008962	4.34	45.77	24.17	1.01
C.03.2	Tracciato - C.03	431.78	Tr500	253.43	8.73	12.00	12.00	13.06	0.008706	4.55	55.71	26.53	1.00
C.03.2	Tracciato - C.03	392.8	Tr050	124.37	8.75	11.01	10.54	11.29	0.002918	2.36	52.75	34.50	0.61
C.03.2	Tracciato - C.03	392.8	Tr200	198.60	8.75	11.50	10.98	11.91	0.003095	2.83	70.06	36.07	0.65
C.03.2	Tracciato - C.03	392.8	Tr500	253.43	8.75	10.73	11.24	12.47	0.022423	5.85	43.32	33.61	1.65
C.03.2	Tracciato - C.03	372.8	Tr050	124.37	8.75	10.98		11.22	0.002451	2.18	57.04	36.88	0.56
C.03.2	Tracciato - C.03	372.8	Tr200	198.60	8.75	11.48		11.83	0.002573	2.61	75.95	38.53	0.59
C.03.2	Tracciato - C.03	372.8	Tr500	253.43	8.75	11.81	11.13	12.23	0.002605	2.86	88.70	39.61	0.61
C.03.2	Tracciato - C.03	352.8	Tr050	124.37	8.75	10.88		11.16	0.003180	2.37	52.39	36.45	0.63
C.03.2	Tracciato - C.03	352.8	Tr200	198.60	8.75	11.37		11.77	0.003228	2.80	70.96	38.83	0.66
C.03.2	Tracciato - C.03	352.8	Tr500	253.43	8.75	11.70		12.16	0.003167	3.02	84.04	40.44	0.67
C.03.2	Tracciato - C.03	332.8	Tr050	124.37	8.63	10.82		11.10	0.003070	2.35	52.83	36.19	0.62
C.03.2	Tracciato - C.03	332.8	Tr200	198.60	8.63	11.31		11.70	0.003161	2.80	70.96	38.14	0.66
C.03.2	Tracciato - C.03	332.8	Tr500	253.43	8.63	11.63		12.10	0.003133	3.03	83.59	39.44	0.67
C.03.2	Tracciato - C.03	312.8	Tr050	124.37	8.63	10.72		11.03	0.003249	2.48	50.06	32.92	0.64
C.03.2	Tracciato - C.03	312.8	Tr200	198.60	8.63	11.14		11.63	0.003912	3.08	64.45	35.15	0.73
C.03.2	Tracciato - C.03	312.8	Tr500	253.43	8.63	11.43		12.02	0.004105	3.39	74.86	36.68	0.76
C.03.2	Tracciato - C.03	292.8	Tr050	124.37	8.63	10.55	10.33	10.95	0.005007	2.78	44.70	34.49	0.78
C.03.2	Tracciato - C.03	292.8	Tr200	198.60	8.63	10.87	10.77	11.51	0.006452	3.54	56.14	36.43	0.91
C.03.2	Tracciato - C.03	292.8	Tr500	253.43	8.63	11.06	11.05	11.88	0.007420	4.02	63.12	37.58	0.99
C.03.2	Tracciato - C.03	272.8	Tr050	124.37	8.63	10.28	10.28	10.80	0.008779	3.21	38.76	37.00	1.00
C.03.2	Tracciato - C.03	272.8	Tr200	198.60	8.63	10.68	10.68	11.37	0.008054	3.66	54.26	39.75	1.00
C.03.2	Tracciato - C.03	272.8	Tr500	253.43	8.63	10.93	10.93	11.72	0.007836	3.93	64.45	41.48	1.01
C.03.2	Tracciato - C.03	192.82	Tr050	124.37	8.47	10.36	9.58	10.39	0.000464	0.80	155.07	130.11	0.23
C.03.2	Tracciato - C.03	192.82	Tr200	198.60	8.47	10.73	9.76	10.78	0.000490	0.97	204.14	133.34	0.25
C.03.2	Tracciato - C.03	192.82	Tr500	253.43	8.47	10.97	9.87	11.02	0.000502	1.07	235.83	134.82	0.26
C.03.2	Tracciato - C.03	172.82	Tr050	124.37	8.47	10.31		10.37	0.001123	1.15	108.33	103.81	0.36
C.03.2	Tracciato - C.03	172.82	Tr200	198.60	8.47	10.67		10.76	0.001125	1.35	147.37	111.10	0.37
C.03.2	Tracciato - C.03	172.82	Tr500	253.43	8.47	10.90		11.01	0.001100	1.46	173.16	113.42	0.38

HEC-RAS Plan: CA366_SP (Continued)

River	Reach	River Sta	Profile	Q Total (m ³ /s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m ²)	Top Width (m)	Froude # Chl
C.03.2	Tracciato - C.03	132.82	Tr050	124.37	7.38	10.29		10.33	0.000610	0.87	142.26	129.23	0.27
C.03.2	Tracciato - C.03	132.82	Tr200	198.60	7.38	10.66		10.72	0.000609	1.04	190.31	132.42	0.28
C.03.2	Tracciato - C.03	132.82	Tr500	253.43	7.38	10.89		10.96	0.000611	1.14	221.50	134.46	0.28
C.03.2	Tracciato - C.03	112.82	Tr050	124.37	7.04	10.29		10.32	0.000346	0.71	173.99	139.94	0.20
C.03.2	Tracciato - C.03	112.82	Tr200	198.60	7.04	10.66		10.70	0.000377	0.88	226.12	142.45	0.22
C.03.2	Tracciato - C.03	112.82	Tr500	253.43	7.04	10.90		10.95	0.000393	0.98	259.77	143.98	0.23
C.03.2	Tracciato - C.03	92.81	Tr050	124.37	7.88	10.29		10.31	0.000349	0.70	177.84	149.02	0.20
C.03.2	Tracciato - C.03	92.81	Tr200	198.60	7.88	10.66		10.69	0.000366	0.85	233.16	150.43	0.22
C.03.2	Tracciato - C.03	92.81	Tr500	253.43	7.88	10.89		10.94	0.000375	0.94	268.65	151.29	0.23
C.03.2	Tracciato - C.03	72.82	Tr050	124.37	8.19	10.28		10.30	0.000287	0.65	190.40	152.97	0.19
C.03.2	Tracciato - C.03	72.82	Tr200	198.60	8.19	10.65		10.68	0.000315	0.80	247.61	156.51	0.20
C.03.2	Tracciato - C.03	72.82	Tr500	253.43	8.19	10.89		10.93	0.000328	0.89	284.74	158.72	0.21
C.03.2	Tracciato - C.03	52.82	Tr050	124.37	8.22	10.28		10.30	0.000285	0.64	195.23	161.70	0.19
C.03.2	Tracciato - C.03	52.82	Tr200	198.60	8.22	10.65		10.68	0.000304	0.78	255.62	164.79	0.20
C.03.2	Tracciato - C.03	52.82	Tr500	253.43	8.22	10.88		10.92	0.000314	0.86	294.70	166.76	0.21
C.03.2	Tracciato - C.03	32.82	Tr050	124.37	7.96	10.26		10.29	0.000393	0.74	168.84	143.26	0.22
C.03.2	Tracciato - C.03	32.82	Tr200	198.60	7.96	10.63		10.67	0.000430	0.89	224.33	154.57	0.23
C.03.2	Tracciato - C.03	32.82	Tr500	253.43	7.96	10.86		10.91	0.000436	0.97	260.89	157.98	0.24
C.03.2	Tracciato - C.03	12.81	Tr050	124.37	7.82	10.25		10.28	0.000384	0.75	166.82	136.73	0.22
C.03.2	Tracciato - C.03	12.81	Tr200	198.60	7.82	10.62		10.66	0.000423	0.91	217.38	140.95	0.23
C.03.2	Tracciato - C.03	12.81	Tr500	253.43	7.82	10.85		10.90	0.000440	1.01	250.42	143.53	0.24
C.03.2	Tracciato - C.03	1	Tr050	124.37	7.77	10.24	9.50	10.28	0.000600	0.85	145.50	134.84	0.26
C.03.2	Tracciato - C.03	1	Tr200	198.60	7.77	10.60	9.71	10.65	0.000601	1.02	195.14	139.21	0.27
C.03.2	Tracciato - C.03	1	Tr500	253.43	7.77	10.83	9.84	10.90	0.000600	1.11	227.67	141.83	0.28
C.03	Tracciato - C.03	431.14	Tr050	124.37	35.03	37.29	36.83	37.41	0.002109	1.54	80.65	79.34	0.49
C.03	Tracciato - C.03	431.14	Tr200	198.60	35.03	37.71	37.11	37.86	0.001750	1.73	114.66	81.84	0.47
C.03	Tracciato - C.03	431.14	Tr500	253.43	35.03	37.97	37.28	38.14	0.001630	1.86	135.97	82.05	0.46
C.03	Tracciato - C.03	411.14	Tr050	124.37	35.02	37.09		37.34	0.004622	2.17	57.22	60.54	0.71
C.03	Tracciato - C.03	411.14	Tr200	198.60	35.02	37.52		37.80	0.003749	2.35	84.63	68.10	0.67
C.03	Tracciato - C.03	411.14	Tr500	253.43	35.02	37.77		38.08	0.003527	2.47	102.74	73.06	0.66
C.03	Tracciato - C.03	391.14	Tr050	124.37	34.59	36.72	36.72	37.19	0.009386	3.01	41.34	45.57	1.01
C.03	Tracciato - C.03	391.14	Tr200	198.60	34.59	37.09	37.09	37.66	0.008662	3.33	59.66	53.24	1.00
C.03	Tracciato - C.03	391.14	Tr500	253.43	34.59	37.32	37.32	37.95	0.008397	3.52	72.06	57.86	1.01
C.03	Tracciato - C.03	371.15	Tr050	124.37	34.30	36.01	36.27	36.87	0.022437	4.10	30.32	40.44	1.51
C.03	Tracciato - C.03	371.15	Tr200	198.60	34.30	36.34	36.63	37.37	0.019080	4.49	44.19	45.51	1.46
C.03	Tracciato - C.03	371.15	Tr500	253.43	34.30	36.55	36.86	37.67	0.017247	4.69	54.04	48.38	1.42
C.03	Tracciato - C.03	351.17	Tr050	124.37	33.94	35.14	35.52	36.32	0.030333	4.81	25.85	34.11	1.77
C.03	Tracciato - C.03	351.17	Tr200	198.60	33.94	35.46	35.91	36.87	0.027577	5.26	37.72	40.48	1.74
C.03	Tracciato - C.03	351.17	Tr500	253.43	33.94	35.65	36.17	37.21	0.025741	5.52	45.93	43.62	1.72
C.03	Tracciato - C.03	331.16	Tr050	124.37	33.36	35.44	35.44	35.97	0.008955	3.22	38.63	37.24	1.01
C.03	Tracciato - C.03	331.16	Tr200	198.60	33.36	35.88	35.89	36.50	0.008518	3.48	57.13	47.27	1.01
C.03	Tracciato - C.03	331.16	Tr500	253.43	33.36	36.14	36.14	36.80	0.008246	3.60	70.33	53.81	1.01
C.03	Tracciato - C.03	306.16	Tr050	124.37	32.98	35.02	35.14	35.70	0.011824	3.64	34.20	33.62	1.15
C.03	Tracciato - C.03	306.16	Tr200	198.60	32.98	35.47	35.58	36.25	0.010294	3.91	50.82	40.43	1.11
C.03	Tracciato - C.03	306.16	Tr500	253.43	32.98	35.95	35.84	36.58	0.006534	3.52	72.05	47.74	0.91
C.03	Tracciato - C.03	291.15	Tr050	124.37	32.00	34.79	34.89	35.52	0.010982	3.78	32.90	28.34	1.12
C.03	Tracciato - C.03	291.15	Tr200	198.60	32.00	35.31	35.40	36.12	0.009915	3.98	49.91	37.07	1.09
C.03	Tracciato - C.03	291.15	Tr500	253.43	32.00	35.70	35.70	36.46	0.008101	3.85	65.76	44.17	1.01
C.03	Tracciato - C.03	271.16	Tr050	124.37	31.59	34.14	34.49	35.20	0.017844	4.58	27.18	25.20	1.41
C.03	Tracciato - C.03	271.16	Tr200	198.60	31.59	34.58	34.97	35.81	0.018298	4.91	40.46	34.70	1.45
C.03	Tracciato - C.03	271.16	Tr500	253.43	31.59	34.82	35.26	36.17	0.018194	5.13	49.36	39.50	1.47
C.03	Tracciato - C.03	251.16	Tr050	124.37	31.50	33.88	34.22	34.79	0.018979	4.24	29.32	32.40	1.42
C.03	Tracciato - C.03	251.16	Tr200	198.60	31.50	35.15	34.47	35.30	0.001382	1.69	117.44	69.48	0.42
C.03	Tracciato - C.03	251.16	Tr500	253.43	31.50	35.64	34.54	35.78	0.001018	1.67	151.60	72.19	0.37
C.03	Tracciato - C.03	231.15	Tr050	124.37	31.50	34.25	33.85	34.49	0.003576	2.15	57.81	50.91	0.64
C.03	Tracciato - C.03	231.15	Tr200	198.60	31.50	35.11		35.27	0.001681	1.76	113.08	76.58	0.46
C.03	Tracciato - C.03	231.15	Tr500	253.43	31.50	35.62		35.76	0.001094	1.65	153.14	81.69	0.39
C.03	Tracciato - C.03	211.16	Tr050	124.37	31.37	34.22		34.40	0.003291	1.88	66.10	66.61	0.60
C.03	Tracciato - C.03	211.16	Tr200	198.60	31.37	35.12		35.23	0.001033	1.47	134.84	81.97	0.37
C.03	Tracciato - C.03	211.16	Tr500	253.43	31.37	35.62		35.73	0.000705	1.44	176.60	83.21	0.31
C.03	Tracciato - C.03	186.15	Tr050	124.37	31.06	34.21	33.39	34.33	0.001570	1.58	78.87	59.91	0.44
C.03	Tracciato - C.03	186.15	Tr200	198.60	31.06	35.13	33.77	35.20	0.000534	1.18	168.46	85.68	0.27
C.03	Tracciato - C.03	186.15	Tr500	253.43	31.06	35.63	34.05	35.71	0.000417	1.19	212.31	87.58	0.24
C.03	Tracciato - C.03	171.15	Tr050	124.37	30.74	34.20	33.27	34.31	0.001047	1.45	85.75	54.21	0.37
C.03	Tracciato - C.03	171.15	Tr200	198.60	30.74	35.08	33.65	35.19	0.000695	1.44	138.10	65.03	0.32
C.03	Tracciato - C.03	171.15	Tr500	253.43	30.74	35.59	33.88	35.69	0.000818	1.42	178.52	96.53	0.33
C.03	Tracciato - C.03	151.15	Tr050	124.37	30.29	34.20		34.29	0.000672	1.27	97.98	54.00	0.30
C.03	Tracciato - C.03	151.15	Tr200	198.60	30.29	35.08		35.17	0.000495	1.35	147.37	58.77	0.27
C.03	Tracciato - C.03	151.15	Tr500	253.43	30.29	35.58		35.68	0.000458	1.43	177.35	60.97	0.27

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
C.03	Tracciato - C.03	131.15	Tr050	124.37	30.24	34.16		34.27	0.001010	1.45	85.78	52.26	0.36
C.03	Tracciato - C.03	131.15	Tr200	198.60	30.24	35.05		35.16	0.000653	1.45	136.84	59.90	0.31
C.03	Tracciato - C.03	131.15	Tr500	253.43	30.24	35.55		35.67	0.000571	1.51	167.73	62.37	0.29
C.03	Tracciato - C.03	111.15	Tr050	124.37	29.84	34.16		34.24	0.000649	1.28	97.30	51.06	0.30
C.03	Tracciato - C.03	111.15	Tr200	198.60	29.84	35.05		35.14	0.000514	1.36	145.95	58.54	0.28
C.03	Tracciato - C.03	111.15	Tr500	253.43	29.84	35.55		35.66	0.000489	1.44	176.57	63.07	0.27
C.03	Tracciato - C.03	91.15	Tr050	124.37	29.75	34.16		34.23	0.000484	1.20	103.50	47.92	0.26
C.03	Tracciato - C.03	91.15	Tr200	198.60	29.75	35.04		35.13	0.000436	1.34	148.75	54.38	0.26
C.03	Tracciato - C.03	91.15	Tr500	253.43	29.75	35.54		35.65	0.000436	1.43	177.05	58.26	0.26
C.03	Tracciato - C.03	71.15	Tr050	124.37	29.54	34.15		34.22	0.000416	1.19	104.25	43.31	0.25
C.03	Tracciato - C.03	71.15	Tr200	198.60	29.54	35.03		35.12	0.000447	1.35	147.23	53.92	0.26
C.03	Tracciato - C.03	71.15	Tr500	253.43	29.54	35.53		35.64	0.000463	1.44	175.84	59.91	0.27
C.03	Tracciato - C.03	51.14	Tr050	124.37	29.52	34.16		34.20	0.000230	0.91	136.15	55.00	0.19
C.03	Tracciato - C.03	51.14	Tr200	198.60	29.52	35.05		35.10	0.000244	1.05	189.47	65.11	0.20
C.03	Tracciato - C.03	51.14	Tr500	253.43	29.52	35.55		35.62	0.000253	1.13	223.69	70.33	0.20
C.03	Tracciato - C.03	36.13	Tr050	124.37	29.52	34.15		34.20	0.000328	1.02	121.98	54.10	0.22
C.03	Tracciato - C.03	36.13	Tr200	198.60	29.52	35.03		35.10	0.000310	1.15	173.34	61.57	0.22
C.03	Tracciato - C.03	36.13	Tr500	253.43	29.52	35.54		35.61	0.000317	1.23	205.56	66.33	0.22
C.03	Tracciato - C.03	11.13	Tr050	124.37	29.52	34.14	32.03	34.19	0.000300	0.98	127.08	56.68	0.21
C.03	Tracciato - C.03	11.13	Tr200	198.60	29.52	35.03	32.54	35.09	0.000300	1.09	182.84	69.77	0.21
C.03	Tracciato - C.03	11.13	Tr500	253.43	29.52	35.54	32.84	35.60	0.000300	1.15	220.32	77.18	0.22
B.19.bis	Tracciato - B.19	155.22	Tr050	6.30	36.91	37.59	37.81	38.28	0.037023	3.67	1.72	3.55	1.69
B.19.bis	Tracciato - B.19	155.22	Tr200	9.53	36.91	37.75	38.02	38.61	0.037013	4.10	2.32	4.03	1.73
B.19.bis	Tracciato - B.19	155.22	Tr500	11.77	36.91	37.84	38.15	38.80	0.037042	4.34	2.71	4.31	1.75
B.19.bis	Tracciato - B.19	136.23	Tr050	6.30	36.20	37.61	37.10	37.68	0.001364	1.24	5.07	5.72	0.42
B.19.bis	Tracciato - B.19	136.23	Tr200	9.53	36.20	38.19	37.32	38.24	0.001162	1.04	9.20	12.73	0.39
B.19.bis	Tracciato - B.19	136.23	Tr500	11.77	36.20	38.56	37.44	38.58	0.000562	0.61	19.27	35.98	0.27
B.19.bis	Tracciato - B.19	128.23	Tr050	6.30	35.91	37.62	36.81	37.67	0.000576	0.90	6.99	6.65	0.28
B.19.bis	Tracciato - B.19	128.23	Tr200	9.53	35.91	38.20	37.02	38.22	0.000825	0.75	12.65	22.54	0.32
B.19.bis	Tracciato - B.19	128.23	Tr500	11.77	35.91	38.56	37.16	38.57	0.000248	0.46	25.75	40.00	0.18
B.19.bis	Tracciato - B.19	128		Culvert									
B.19.bis	Tracciato - B.19	81.23	Tr050	6.30	34.17	34.80	35.07	35.67	0.035461	4.13	1.52	3.38	1.96
B.19.bis	Tracciato - B.19	81.23	Tr200	9.53	34.17	35.02	35.28	35.85	0.024309	4.02	2.37	4.06	1.68
B.19.bis	Tracciato - B.19	81.23	Tr500	11.77	34.17	35.17	35.42	35.95	0.019349	3.91	3.01	4.51	1.53
B.19.bis	Tracciato - B.19	75.23	Tr050	6.30	33.95	34.58	34.85	35.45	0.035597	4.14	1.52	3.37	1.97
B.19.bis	Tracciato - B.19	75.23	Tr200	9.53	33.95	34.78	35.07	35.68	0.027622	4.22	2.26	3.97	1.78
B.19.bis	Tracciato - B.19	75.23	Tr500	11.77	33.95	34.91	35.19	35.81	0.023720	4.21	2.79	4.36	1.68
B.19.bis	Tracciato - B.19	75		Bridge									
B.19.bis	Tracciato - B.19	56.23	Tr050	6.30	33.25	33.87	34.15	34.76	0.036464	4.17	1.51	3.37	1.99
B.19.bis	Tracciato - B.19	56.23	Tr200	9.53	33.25	34.04	34.37	35.06	0.032219	4.46	2.14	3.89	1.92
B.19.bis	Tracciato - B.19	56.23	Tr500	11.77	33.25	34.14	34.49	35.23	0.030552	4.63	2.54	4.19	1.90
B.19.bis	Tracciato - B.19	36.23	Tr050	6.30	32.51	33.13	33.41	34.02	0.036847	4.18	1.51	3.37	2.00
B.19.bis	Tracciato - B.19	36.23	Tr200	9.53	32.51	33.28	33.63	34.37	0.035467	4.61	2.07	3.84	2.01
B.19.bis	Tracciato - B.19	36.23	Tr500	11.77	32.51	33.38	33.75	34.57	0.034713	4.84	2.43	4.11	2.01
B.19.bis	Tracciato - B.19	16.22	Tr050	6.30	31.77	32.43	32.67	33.19	0.042731	3.87	1.63	3.46	1.80
B.19.bis	Tracciato - B.19	16.22	Tr200	9.53	31.77	32.58	32.89	33.55	0.043841	4.37	2.18	3.91	1.87
B.19.bis	Tracciato - B.19	16.22	Tr500	11.77	31.77	32.66	33.01	33.76	0.044286	4.64	2.54	4.18	1.90
A.16	Tracciato - A.16	371.91	Tr050	6.36	8.55	8.86	8.88	8.99	0.018999	1.57	4.04	20.18	1.12
A.16	Tracciato - A.16	371.91	Tr200	9.82	8.55	8.93	8.96	9.09	0.019032	1.76	5.57	23.46	1.15
A.16	Tracciato - A.16	371.91	Tr500	12.30	8.55	8.97	9.00	9.15	0.019002	1.87	6.59	25.41	1.17
A.16	Tracciato - A.16	351.91	Tr050	6.36	8.03	8.36	8.40	8.53	0.028124	1.82	3.49	18.68	1.35
A.16	Tracciato - A.16	351.91	Tr200	9.82	8.03	8.42	8.48	8.63	0.027131	2.02	4.85	21.65	1.37
A.16	Tracciato - A.16	351.91	Tr500	12.30	8.03	8.46	8.53	8.70	0.026713	2.14	5.76	23.41	1.38
A.16	Tracciato - A.16	331.89	Tr050	6.36	7.87	8.14	8.10	8.20	0.008437	1.09	5.82	27.22	0.76
A.16	Tracciato - A.16	331.89	Tr200	9.82	7.87	8.21	8.16	8.29	0.008307	1.28	7.68	28.10	0.78
A.16	Tracciato - A.16	331.89	Tr500	12.30	7.87	8.25	8.20	8.35	0.008355	1.39	8.84	28.63	0.80
A.16	Tracciato - A.16	311.88	Tr050	6.36	7.47	7.87	7.87	7.97	0.015407	1.44	4.42	21.55	1.01
A.16	Tracciato - A.16	311.88	Tr200	9.82	7.47	7.95	7.95	8.07	0.014512	1.57	6.24	25.39	1.01
A.16	Tracciato - A.16	311.88	Tr500	12.30	7.47	7.99	7.99	8.13	0.014024	1.64	7.48	27.77	1.01
A.16	Tracciato - A.16	291.88	Tr050	6.36	7.00	7.61	7.44	7.66	0.003236	0.97	6.59	18.06	0.51
A.16	Tracciato - A.16	291.88	Tr200	9.82	7.00	7.74	7.54	7.80	0.003119	1.06	9.23	21.30	0.52
A.16	Tracciato - A.16	291.88	Tr500	12.30	7.00	7.82	7.60	7.89	0.003074	1.12	10.98	23.20	0.52
A.16	Tracciato - A.16	271.86	Tr050	6.36	6.73	7.37	7.37	7.53	0.013462	1.77	3.60	11.62	1.01
A.16	Tracciato - A.16	271.86	Tr200	9.82	6.73	7.49	7.49	7.68	0.012799	1.93	5.09	13.82	1.02
A.16	Tracciato - A.16	271.86	Tr500	12.30	6.73	7.56	7.56	7.77	0.012046	2.00	6.16	15.19	1.00
A.16	Tracciato - A.16	251.85	Tr050	6.36	6.46	6.81	6.89	7.07	0.046520	2.22	2.86	16.61	1.71
A.16	Tracciato - A.16	251.85	Tr200	9.82	6.46	6.87	6.97	7.21	0.050035	2.60	3.78	18.30	1.83
A.16	Tracciato - A.16	251.85	Tr500	12.30	6.46	6.90	7.02	7.31	0.050758	2.84	4.33	18.51	1.88

HEC-RAS Plan: CA366_SP (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.15_SP	Tracciato - A.15	45.16	Tr500	0.50	6.99	7.28	7.25	7.35	0.007823	1.22	0.41	1.86	0.83
A.15_SP	Tracciato - A.15	39.43	Tr050	0.30	6.93	7.12	7.12	7.20	0.017966	1.23	0.24	1.58	1.00
A.15_SP	Tracciato - A.15	39.43	Tr200	0.43	6.93	7.16	7.16	7.26	0.017079	1.35	0.32	1.71	1.00
A.15_SP	Tracciato - A.15	39.43	Tr500	0.50	6.93	7.18	7.18	7.29	0.017110	1.41	0.35	1.77	1.01
A.15_SP	Tracciato - A.15	25.25	Tr050	0.30	4.61	4.64	4.70	6.13	6.695650	5.41	0.06	3.53	13.78
A.15_SP	Tracciato - A.15	25.25	Tr200	0.43	4.61	4.65	4.71	6.24	5.741535	5.59	0.08	4.16	13.11
A.15_SP	Tracciato - A.15	25.25	Tr500	0.50	4.61	4.65	4.72	6.27	5.297840	5.63	0.09	4.47	12.75
A.15_SP	Tracciato - A.15	5.25	Tr050	0.30	3.97	4.02	4.02	4.04	0.029656	0.59	0.51	15.23	1.04
A.15_SP	Tracciato - A.15	5.25	Tr200	0.43	3.97	4.03	4.03	4.05	0.025552	0.64	0.68	16.36	1.00
A.15_SP	Tracciato - A.15	5.25	Tr500	0.50	3.97	4.04	4.04	4.06	0.024696	0.66	0.76	16.87	1.00
A.15_SP	Tracciato - A.15	3.9	Tr050	0.30	3.87	3.90	3.92	3.96	0.146345	1.06	0.28	11.78	2.19
A.15_SP	Tracciato - A.15	3.9	Tr200	0.43	3.87	3.91	3.93	3.98	0.136214	1.16	0.37	12.73	2.18
A.15_SP	Tracciato - A.15	3.9	Tr500	0.50	3.87	3.91	3.94	3.99	0.129674	1.20	0.42	13.21	2.15
A.14_SP	Tracciato - A.14	391.03	Tr050	1.49	18.00	18.38	18.38	18.39	0.001653	0.35	4.31	33.12	0.31
A.14_SP	Tracciato - A.14	391.03	Tr200	2.15	18.00	18.38	18.38	18.39	0.003446	0.50	4.31	33.12	0.44
A.14_SP	Tracciato - A.14	391.03	Tr500	2.58	18.00	18.38	18.38	18.40	0.004965	0.60	4.31	33.12	0.53
A.14_SP	Tracciato - A.14	372.03	Tr050	1.49	16.71	16.80	16.94	18.14	0.920099	5.13	0.29	4.51	6.46
A.14_SP	Tracciato - A.14	372.03	Tr200	2.15	16.71	16.83	16.99	18.05	0.573462	4.89	0.44	5.14	5.34
A.14_SP	Tracciato - A.14	372.03	Tr500	2.58	16.71	16.85	17.02	17.98	0.439573	4.71	0.55	5.55	4.79
A.14_SP	Tracciato - A.14	352.09	Tr050	1.49	16.00	16.09	16.10	16.14	0.027799	1.05	1.42	17.35	1.17
A.14_SP	Tracciato - A.14	352.09	Tr200	2.15	16.00	16.11	16.12	16.18	0.028561	1.21	1.77	17.74	1.22
A.14_SP	Tracciato - A.14	352.09	Tr500	2.58	16.00	16.12	16.14	16.20	0.028908	1.30	1.98	17.97	1.25
A.14_SP	Tracciato - A.14	332.1	Tr050	1.49	14.20	14.33	14.42	14.81	0.282256	3.07	0.49	6.72	3.65
A.14_SP	Tracciato - A.14	332.1	Tr200	2.15	14.20	14.36	14.46	14.87	0.243685	3.17	0.68	8.04	3.48
A.14_SP	Tracciato - A.14	332.1	Tr500	2.58	14.20	14.37	14.49	14.91	0.224810	3.24	0.80	8.54	3.40
A.14_SP	Tracciato - A.14	312.1	Tr050	1.49	14.00	14.18	14.11	14.20	0.003419	0.58	2.58	15.90	0.46
A.14_SP	Tracciato - A.14	312.1	Tr200	2.15	14.00	14.21	14.14	14.24	0.003994	0.69	3.11	16.56	0.51
A.14_SP	Tracciato - A.14	312.1	Tr500	2.58	14.00	14.23	14.16	14.26	0.004341	0.76	3.42	16.92	0.54
A.14_SP	Tracciato - A.14	292.11	Tr050	1.49	13.93	14.06	14.05	14.08	0.011547	0.67	2.22	27.37	0.75
A.14_SP	Tracciato - A.14	292.11	Tr200	2.15	13.93	14.08	14.07	14.11	0.011504	0.77	2.80	27.96	0.78
A.14_SP	Tracciato - A.14	292.11	Tr500	2.58	13.93	14.10	14.08	14.13	0.011179	0.82	3.16	28.33	0.78
A.14_SP	Tracciato - A.14	272.11	Tr050	1.49	13.55	13.74	13.74	13.79	0.019347	0.96	1.55	16.37	1.00
A.14_SP	Tracciato - A.14	272.11	Tr200	2.15	13.55	13.77	13.77	13.83	0.017946	1.03	2.10	19.03	0.99
A.14_SP	Tracciato - A.14	272.11	Tr500	2.58	13.55	13.79	13.79	13.85	0.018131	1.08	2.39	20.33	1.00
A.14_SP	Tracciato - A.14	252.11	Tr050	1.49	12.59	12.79	12.87	13.06	0.083712	2.28	0.65	5.67	2.14
A.14_SP	Tracciato - A.14	252.11	Tr200	2.15	12.59	12.83	12.92	13.14	0.079939	2.46	0.87	6.55	2.15
A.14_SP	Tracciato - A.14	252.11	Tr500	2.58	12.59	12.85	12.95	13.17	0.073769	2.50	1.03	7.11	2.09
A.14_SP	Tracciato - A.14	232.11	Tr050	1.49	12.00	12.10	12.11	12.16	0.024954	1.10	1.35	14.15	1.14
A.14_SP	Tracciato - A.14	232.11	Tr200	2.15	12.00	12.12	12.14	12.21	0.026824	1.29	1.67	14.51	1.21
A.14_SP	Tracciato - A.14	232.11	Tr500	2.58	12.00	12.13	12.16	12.24	0.028660	1.41	1.83	14.71	1.27
A.14_SP	Tracciato - A.14	212.11	Tr050	1.49	11.00	11.33	11.40	11.59	0.030711	2.28	0.65	2.48	1.42
A.14_SP	Tracciato - A.14	212.11	Tr200	2.15	11.00	11.44	11.50	11.70	0.022429	2.27	0.95	2.82	1.25
A.14_SP	Tracciato - A.14	212.11	Tr500	2.58	11.00	11.51	11.55	11.76	0.018608	2.24	1.15	3.03	1.16
A.14_SP	Tracciato - A.14	192.11	Tr050	1.49	10.57	10.96	10.97	11.13	0.016105	1.82	0.82	2.68	1.05
A.14_SP	Tracciato - A.14	192.11	Tr200	2.15	10.57	11.02	11.07	11.27	0.020814	2.21	0.97	2.84	1.21
A.14_SP	Tracciato - A.14	192.11	Tr500	2.58	10.57	11.05	11.12	11.35	0.022779	2.41	1.07	2.95	1.27
A.14_SP	Tracciato - A.14	172.11	Tr050	1.49	10.14	10.48	10.54	10.72	0.026140	2.15	0.69	2.53	1.32
A.14_SP	Tracciato - A.14	172.11	Tr200	2.15	10.14	10.58	10.64	10.84	0.021718	2.25	0.96	2.83	1.23
A.14_SP	Tracciato - A.14	172.11	Tr500	2.58	10.14	10.64	10.69	10.91	0.020442	2.32	1.11	2.99	1.21
A.14_SP	Tracciato - A.14	152.11	Tr050	1.49	9.72	10.11	10.12	10.28	0.017264	1.86	0.80	2.66	1.08
A.14_SP	Tracciato - A.14	152.11	Tr200	2.15	9.72	10.17	10.22	10.42	0.020437	2.20	0.98	2.85	1.20
A.14_SP	Tracciato - A.14	152.11	Tr500	2.58	9.72	10.21	10.27	10.49	0.021162	2.34	1.10	2.98	1.23
A.14_SP	Tracciato - A.14	132.11	Tr050	1.49	9.29	9.64	9.69	9.87	0.024819	2.12	0.70	2.54	1.28
A.14_SP	Tracciato - A.14	132.11	Tr200	2.15	9.29	9.73	9.79	9.99	0.022016	2.26	0.95	2.82	1.24
A.14_SP	Tracciato - A.14	132.11	Tr500	2.58	9.29	9.78	9.84	10.06	0.021640	2.36	1.09	2.97	1.24
A.14_SP	Tracciato - A.14	112.11	Tr050	1.49	8.86	9.20	9.26	9.44	0.018292	2.16	0.69	2.53	1.32
A.14_SP	Tracciato - A.14	112.11	Tr200	2.15	8.86	9.28	9.36	9.58	0.018978	2.44	0.88	2.75	1.37
A.14_SP	Tracciato - A.14	112.11	Tr500	2.58	8.86	9.32	9.41	9.65	0.018902	2.57	1.01	2.88	1.39
A.14_SP	Tracciato - A.14	97.11	Tr050	1.49	8.54	9.04	8.94	9.13	0.004582	1.32	1.13	3.00	0.69
A.14_SP	Tracciato - A.14	97.11	Tr200	2.15	8.54	9.22	9.04	9.30	0.002981	1.25	1.72	3.54	0.57
A.14_SP	Tracciato - A.14	97.11	Tr500	2.58	8.54	9.45	9.09	9.50	0.001383	0.99	2.60	4.23	0.40
A.14_SP	Tracciato - A.14	97		Culvert									
A.14_SP	Tracciato - A.14	61.11	Tr050	1.49	8.20	8.86	8.60	8.90	0.001586	0.90	1.65	3.49	0.42
A.14_SP	Tracciato - A.14	61.11	Tr200	2.15	8.20	9.04	8.70	9.09	0.001296	0.92	2.33	4.03	0.39
A.14_SP	Tracciato - A.14	61.11	Tr500	2.58	8.20	9.15	8.75	9.19	0.001160	0.93	2.77	4.35	0.37
A.14_SP	Tracciato - A.14	59.11	Tr050	1.49	8.20	8.86	8.60	8.90	0.001624	0.91	1.64	3.48	0.42
A.14_SP	Tracciato - A.14	59.11	Tr200	2.15	8.20	9.04	8.70	9.08	0.001317	0.93	2.32	4.02	0.39
A.14_SP	Tracciato - A.14	59.11	Tr500	2.58	8.20	9.15	8.75	9.19	0.001175	0.93	2.76	4.34	0.37

HEC-RAS Plan: CA366_SP (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.14_SP	Tracciato - A.14	59		Culvert									
A.14_SP	Tracciato - A.14	43.11	Tr050	1.49	8.15	8.75		8.80	0.002359	1.04	1.43	3.29	0.50
A.14_SP	Tracciato - A.14	43.11	Tr200	2.15	8.15	8.87		8.94	0.002345	1.15	1.87	3.67	0.51
A.14_SP	Tracciato - A.14	43.11	Tr500	2.58	8.15	8.95		9.02	0.002336	1.20	2.14	3.89	0.52
A.14_SP	Tracciato - A.14	32.11	Tr050	1.49	8.12	8.72		8.78	0.002281	1.03	1.45	3.31	0.50
A.14_SP	Tracciato - A.14	32.11	Tr200	2.15	8.12	8.85		8.92	0.002277	1.13	1.89	3.69	0.51
A.14_SP	Tracciato - A.14	32.11	Tr500	2.58	8.12	8.92		8.99	0.002273	1.19	2.17	3.90	0.51
A.14_SP	Tracciato - A.14	12.11	Tr050	1.49	8.06	8.67	8.46	8.72	0.003122	1.01	1.48	3.33	0.48
A.14_SP	Tracciato - A.14	12.11	Tr200	2.15	8.06	8.80	8.56	8.86	0.003142	1.12	1.92	3.71	0.50
A.14_SP	Tracciato - A.14	12.11	Tr500	2.58	8.06	8.87	8.61	8.94	0.003146	1.17	2.20	3.93	0.50
A.14_SP	Tracciato - A.14	1	Tr050	1.49	8.03	8.63	8.43	8.69	0.003302	1.03	1.45	3.30	0.50
A.14_SP	Tracciato - A.14	1	Tr200	2.15	8.03	8.76	8.53	8.83	0.003306	1.14	1.89	3.68	0.51
A.14_SP	Tracciato - A.14	1	Tr500	2.58	8.03	8.83	8.58	8.90	0.003301	1.19	2.16	3.90	0.51
A.13_SP	Tracciato - A.13	453.38	Tr050	1.08	25.45	25.62	25.65	25.72	0.068018	1.41	0.77	11.74	1.76
A.13_SP	Tracciato - A.13	453.38	Tr200	1.69	25.45	25.64	25.69	25.78	0.068122	1.66	1.02	12.24	1.83
A.13_SP	Tracciato - A.13	453.38	Tr500	2.10	25.45	25.66	25.70	25.82	0.068105	1.79	1.17	12.54	1.87
A.13_SP	Tracciato - A.13	434.39	Tr050	1.08	24.20	24.37	24.40	24.47	0.064309	1.38	0.78	11.74	1.72
A.13_SP	Tracciato - A.13	434.39	Tr200	1.69	24.20	24.39	24.43	24.52	0.064561	1.55	1.09	13.81	1.77
A.13_SP	Tracciato - A.13	434.39	Tr500	2.10	24.20	24.41	24.45	24.54	0.065359	1.65	1.27	14.92	1.80
A.13_SP	Tracciato - A.13	414.39	Tr050	1.08	22.86	23.05	23.10	23.22	0.059958	1.80	0.60	5.75	1.78
A.13_SP	Tracciato - A.13	414.39	Tr200	1.69	22.86	23.09	23.16	23.30	0.057096	2.01	0.84	6.61	1.80
A.13_SP	Tracciato - A.13	414.39	Tr500	2.10	22.86	23.11	23.18	23.34	0.054978	2.10	1.00	7.12	1.80
A.13_SP	Tracciato - A.13	394.38	Tr050	1.08	22.00	22.11	22.13	22.17	0.043758	1.08	1.00	16.38	1.40
A.13_SP	Tracciato - A.13	394.38	Tr200	1.69	22.00	22.13	22.15	22.21	0.048570	1.25	1.36	19.42	1.51
A.13_SP	Tracciato - A.13	394.38	Tr500	2.10	22.00	22.14	22.17	22.23	0.051937	1.34	1.56	21.00	1.57
A.13_SP	Tracciato - A.13	374.38	Tr050	1.08	21.00	21.31	21.32	21.36	0.036995	1.00	1.08	17.38	1.29
A.13_SP	Tracciato - A.13	374.38	Tr200	1.69	21.00	21.33	21.35	21.40	0.033770	1.16	1.46	17.81	1.29
A.13_SP	Tracciato - A.13	374.38	Tr500	2.10	21.00	21.34	21.36	21.42	0.031938	1.23	1.71	18.08	1.28
A.13_SP	Tracciato - A.13	334.38	Tr050	1.08	18.80	18.96	19.00	19.08	0.098454	1.52	0.71	12.72	2.06
A.13_SP	Tracciato - A.13	334.38	Tr200	1.69	18.80	18.98	19.03	19.13	0.112550	1.75	0.97	15.57	2.25
A.13_SP	Tracciato - A.13	334.38	Tr500	2.10	18.80	18.99	19.04	19.17	0.122720	1.90	1.11	16.94	2.37
A.13_SP	Tracciato - A.13	314.38	Tr050	1.08	17.82	18.05	18.05	18.08	0.028801	0.84	1.29	22.59	1.12
A.13_SP	Tracciato - A.13	314.38	Tr200	1.69	17.82	18.07	18.07	18.11	0.027588	0.96	1.77	24.62	1.14
A.13_SP	Tracciato - A.13	314.38	Tr500	2.10	17.82	18.08	18.09	18.13	0.026909	1.01	2.07	26.01	1.14
A.13_SP	Tracciato - A.13	294.38	Tr050	1.08	16.64	16.75	16.81	16.96	0.144647	2.05	0.53	8.09	2.57
A.13_SP	Tracciato - A.13	294.38	Tr200	1.69	16.64	16.77	16.85	17.04	0.135711	2.31	0.73	8.96	2.58
A.13_SP	Tracciato - A.13	294.38	Tr500	2.10	16.64	16.79	16.87	17.09	0.130786	2.44	0.86	9.48	2.58
A.13_SP	Tracciato - A.13	274.38	Tr050	1.08	15.23	15.50	15.56	15.73	0.033883	2.14	0.51	2.30	1.46
A.13_SP	Tracciato - A.13	274.38	Tr200	1.69	15.23	15.58	15.66	15.87	0.032323	2.41	0.70	2.54	1.46
A.13_SP	Tracciato - A.13	274.38	Tr500	2.10	15.23	15.62	15.72	15.95	0.031386	2.54	0.83	2.68	1.46
A.13_SP	Tracciato - A.13	254.38	Tr050	1.08	14.37	14.61	14.70	14.91	0.049452	2.43	0.44	2.22	1.74
A.13_SP	Tracciato - A.13	254.38	Tr200	1.69	14.37	14.68	14.80	15.08	0.049134	2.79	0.61	2.43	1.78
A.13_SP	Tracciato - A.13	254.38	Tr500	2.10	14.37	14.72	14.86	15.17	0.048913	2.97	0.71	2.55	1.80
A.13_SP	Tracciato - A.13	234.38	Tr050	1.08	13.51	13.77	13.84	14.02	0.038841	2.24	0.48	2.27	1.55
A.13_SP	Tracciato - A.13	234.38	Tr200	1.69	13.51	13.84	13.95	14.18	0.039643	2.59	0.65	2.48	1.61
A.13_SP	Tracciato - A.13	234.38	Tr500	2.10	13.51	13.88	14.00	14.27	0.040091	2.77	0.76	2.61	1.64
A.13_SP	Tracciato - A.13	214.38	Tr050	1.08	12.64	12.88	12.97	13.17	0.046248	2.38	0.45	2.23	1.68
A.13_SP	Tracciato - A.13	214.38	Tr200	1.69	12.64	12.96	13.08	13.33	0.045168	2.71	0.62	2.45	1.71
A.13_SP	Tracciato - A.13	214.38	Tr500	2.10	12.64	13.00	13.13	13.42	0.044714	2.88	0.73	2.57	1.73
A.13_SP	Tracciato - A.13	194.38	Tr050	1.08	11.78	12.03	12.11	12.30	0.040798	2.28	0.47	2.26	1.59
A.13_SP	Tracciato - A.13	194.38	Tr200	1.69	11.78	12.10	12.21	12.46	0.041671	2.63	0.64	2.47	1.65
A.13_SP	Tracciato - A.13	194.38	Tr500	2.10	11.78	12.14	12.27	12.55	0.042161	2.82	0.74	2.59	1.68
A.13_SP	Tracciato - A.13	174.38	Tr050	1.08	10.92	11.15	11.25	11.48	0.039896	2.56	0.42	2.19	1.86
A.13_SP	Tracciato - A.13	174.38	Tr200	1.69	10.92	11.22	11.35	11.65	0.038423	2.91	0.58	2.40	1.88
A.13_SP	Tracciato - A.13	174.38	Tr500	2.10	10.92	11.26	11.41	11.74	0.037772	3.09	0.68	2.52	1.89
A.13_SP	Tracciato - A.13	164.38	Tr050	1.08	10.49	10.98	10.82	11.03	0.002508	0.97	1.13	3.41	0.51
A.13_SP	Tracciato - A.13	164.38	Tr200	1.69	10.49	11.18	10.92	11.22	0.001621	0.93	1.93	4.86	0.42
A.13_SP	Tracciato - A.13	164.38	Tr500	2.10	10.49	11.29	10.99	11.33	0.001279	0.89	2.54	5.75	0.38
A.13_SP	Tracciato - A.13	164		Culvert									
A.13_SP	Tracciato - A.13	134.38	Tr050	1.08	9.96	10.20	10.29	10.50	0.035337	2.46	0.44	2.21	1.76
A.13_SP	Tracciato - A.13	134.38	Tr200	1.69	9.96	10.28	10.39	10.65	0.031076	2.70	0.63	2.45	1.71
A.13_SP	Tracciato - A.13	134.38	Tr500	2.10	9.96	10.33	10.45	10.72	0.027375	2.76	0.76	2.61	1.63
A.13_SP	Tracciato - A.13	114.38	Tr050	1.08	8.71	9.05	9.05	9.18	0.010405	1.61	0.67	2.51	0.99
A.13_SP	Tracciato - A.13	114.38	Tr200	1.69	8.71	8.95	9.15	9.67	0.080341	3.75	0.45	2.23	2.66
A.13_SP	Tracciato - A.13	114.38	Tr500	2.10	8.71	8.98	9.20	9.80	0.079971	4.00	0.52	2.32	2.69
A.13_SP	Tracciato - A.13	94.49	Tr050	1.08	7.47	7.62	7.80	8.53	0.255726	4.22	0.26	1.95	3.72
A.13_SP	Tracciato - A.13	94.49	Tr200	1.69	7.47	7.76	7.90	8.22	0.059789	2.99	0.57	2.38	1.95
A.13_SP	Tracciato - A.13	94.49	Tr500	2.10	7.47	7.80	7.96	8.33	0.061471	3.22	0.65	2.48	2.01

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.12_SP	Tracciato - A.12	72.94	Tr050	0.40	10.05	10.15	10.23	10.43	0.080471	2.31	0.17	1.81	2.39
A.12_SP	Tracciato - A.12	72.94	Tr200	0.68	10.05	10.20	10.30	10.56	0.072211	2.68	0.25	1.94	2.37
A.12_SP	Tracciato - A.12	72.94	Tr500	0.88	10.05	10.22	10.35	10.65	0.070213	2.90	0.30	2.02	2.39
A.12_SP	Tracciato - A.12	61.04	Tr050	0.40	9.68	9.84	9.86	9.95	0.020574	1.48	0.27	1.96	1.28
A.12_SP	Tracciato - A.12	61.04	Tr200	0.68	9.68	9.89	9.93	10.06	0.023064	1.83	0.37	2.11	1.40
A.12_SP	Tracciato - A.12	61.04	Tr500	0.88	9.68	9.91	9.98	10.13	0.024426	2.03	0.43	2.19	1.46
A.12_SP	Tracciato - A.12	40.98	Tr050	0.40	9.06	9.20	9.24	9.35	0.046452	1.72	0.23	1.91	1.57
A.12_SP	Tracciato - A.12	40.98	Tr200	0.68	9.06	9.25	9.31	9.45	0.040988	1.97	0.35	2.08	1.54
A.12_SP	Tracciato - A.12	40.98	Tr500	0.88	9.06	9.29	9.35	9.51	0.039070	2.10	0.42	2.18	1.53
A.12_SP	Tracciato - A.12	20.98	Tr050	0.40	8.79	9.00	9.00	9.03	0.022528	0.82	0.49	7.38	1.01
A.12_SP	Tracciato - A.12	20.98	Tr200	0.68	8.79	9.03	9.03	9.07	0.022625	0.86	0.79	11.25	1.03
A.12_SP	Tracciato - A.12	20.98	Tr500	0.88	8.79	9.05	9.05	9.09	0.019381	0.86	1.02	12.75	0.97
A.12_SP	Tracciato - A.12	1	Tr050	0.40	7.97	8.01	8.02	8.06	0.176784	0.93	0.43	25.06	2.27
A.12_SP	Tracciato - A.12	1	Tr200	0.68	7.97	8.02	8.04	8.09	0.176494	1.15	0.59	25.34	2.39
A.12_SP	Tracciato - A.12	1	Tr500	0.88	7.97	8.02	8.04	8.12	0.264742	1.43	0.61	25.38	2.94
A.11_SP	Tracciato - A.11	298.5	Tr050	1.87	18.69	19.00	18.96	19.06	0.008796	1.07	1.74	8.63	0.76
A.11_SP	Tracciato - A.11	298.5	Tr200	3.13	18.69	19.11	19.04	19.18	0.006483	1.14	2.76	9.96	0.69
A.11_SP	Tracciato - A.11	298.5	Tr500	4.01	18.69	19.18	19.08	19.24	0.005619	1.17	3.44	10.72	0.66
A.11_SP	Tracciato - A.11	279.5	Tr050	1.87	18.17	18.70	18.70	18.84	0.014777	1.63	1.14	4.33	1.01
A.11_SP	Tracciato - A.11	279.5	Tr200	3.13	18.17	18.82	18.82	18.99	0.013779	1.81	1.73	5.33	1.01
A.11_SP	Tracciato - A.11	279.5	Tr500	4.01	18.17	18.89	18.89	19.08	0.013327	1.90	2.11	5.88	1.01
A.11_SP	Tracciato - A.11	259.51	Tr050	1.87	17.54	17.80	17.91	18.18	0.107659	2.75	0.68	5.37	2.47
A.11_SP	Tracciato - A.11	259.51	Tr200	3.13	17.54	17.85	17.99	18.36	0.110024	3.15	0.99	6.49	2.57
A.11_SP	Tracciato - A.11	259.51	Tr500	4.01	17.54	17.88	18.03	18.45	0.109674	3.35	1.20	7.13	2.61
A.11_SP	Tracciato - A.11	239.51	Tr050	1.87	16.28	16.65	16.73	16.89	0.040764	2.17	0.86	4.65	1.61
A.11_SP	Tracciato - A.11	239.51	Tr200	3.13	16.28	16.73	16.83	17.04	0.040723	2.47	1.27	5.64	1.66
A.11_SP	Tracciato - A.11	239.51	Tr500	4.01	16.28	16.77	16.88	17.13	0.040960	2.63	1.52	6.19	1.69
A.11_SP	Tracciato - A.11	219.52	Tr050	1.87	15.65	15.95	15.99	16.10	0.035833	1.73	1.08	7.51	1.46
A.11_SP	Tracciato - A.11	219.52	Tr200	3.13	15.65	16.00	16.06	16.21	0.038865	2.03	1.54	8.91	1.56
A.11_SP	Tracciato - A.11	219.52	Tr500	4.01	15.65	16.03	16.11	16.29	0.040021	2.24	1.79	9.20	1.62
A.11_SP	Tracciato - A.11	199.52	Tr050	1.87	15.16	15.53	15.53	15.63	0.017261	1.41	1.33	7.23	1.05
A.11_SP	Tracciato - A.11	199.52	Tr200	3.13	15.16	15.62	15.62	15.74	0.015465	1.54	2.04	8.99	1.03
A.11_SP	Tracciato - A.11	199.52	Tr500	4.01	15.16	15.66	15.67	15.79	0.014645	1.60	2.51	10.00	1.02
A.11_SP	Tracciato - A.11	179.51	Tr050	1.87	14.24	14.49	14.60	14.88	0.114820	2.78	0.67	5.46	2.53
A.11_SP	Tracciato - A.11	179.51	Tr200	3.13	14.24	14.54	14.68	15.04	0.111493	3.13	1.00	6.66	2.58
A.11_SP	Tracciato - A.11	179.51	Tr500	4.01	14.24	14.57	14.72	15.13	0.108653	3.30	1.22	7.34	2.59
A.11_SP	Tracciato - A.11	159.51	Tr050	1.87	12.90	13.26	13.33	13.50	0.043702	2.18	0.86	4.82	1.65
A.11_SP	Tracciato - A.11	159.51	Tr200	3.13	12.90	13.33	13.43	13.65	0.044548	2.50	1.25	5.80	1.72
A.11_SP	Tracciato - A.11	159.51	Tr500	4.01	12.90	13.37	13.49	13.74	0.045114	2.68	1.50	6.35	1.76
A.11_SP	Tracciato - A.11	139.51	Tr050	1.87	12.74	13.14	13.14	13.27	0.010309	1.58	1.19	4.75	1.01
A.11_SP	Tracciato - A.11	139.51	Tr200	3.13	12.74	13.26	13.26	13.41	0.009718	1.74	1.80	5.97	1.01
A.11_SP	Tracciato - A.11	139.51	Tr500	4.01	12.74	13.32	13.32	13.49	0.009437	1.82	2.21	6.69	1.01
A.11_SP	Tracciato - A.11	117.52	Tr050	1.87	11.56	11.80	12.02	12.68	0.098067	4.14	0.45	2.23	2.94
A.11_SP	Tracciato - A.11	117.52	Tr200	3.13	11.56	12.61	12.17	12.66	0.001124	0.97	3.24	4.66	0.37
A.11_SP	Tracciato - A.11	117.52	Tr500	4.01	11.56	12.81	12.26	12.86	0.000897	0.95	4.23	5.26	0.34
A.11_SP	Tracciato - A.11	117		Culvert									
A.11_SP	Tracciato - A.11	92.52	Tr050	1.87	10.66	10.93	11.12	11.62	0.070480	3.70	0.51	2.30	2.52
A.11_SP	Tracciato - A.11	92.52	Tr200	3.13	10.66	11.05	11.28	11.80	0.049535	3.82	0.82	2.68	2.21
A.11_SP	Tracciato - A.11	92.52	Tr500	4.01	10.66	11.13	11.37	11.90	0.042931	3.90	1.03	2.90	2.09
A.11_SP	Tracciato - A.11	85.52	Tr050	1.87	10.41	10.72	10.87	11.19	0.039778	3.03	0.62	2.44	1.93
A.11_SP	Tracciato - A.11	85.52	Tr200	3.13	10.41	11.46	11.03	11.51	0.001123	0.97	3.24	4.66	0.37
A.11_SP	Tracciato - A.11	85.52	Tr500	4.01	10.41	11.66	11.12	11.71	0.000897	0.95	4.23	5.26	0.34
A.11_SP	Tracciato - A.11	85		Culvert									
A.11_SP	Tracciato - A.11	65.52	Tr050	1.87	9.70	10.61	10.16	10.64	0.000721	0.72	2.61	4.23	0.29
A.11_SP	Tracciato - A.11	65.52	Tr200	3.13	9.70	10.10	10.32	10.81	0.046787	3.75	0.84	2.69	2.15
A.11_SP	Tracciato - A.11	65.52	Tr500	4.01	9.70	10.18	10.41	10.91	0.039439	3.79	1.06	2.93	2.01
A.11_SP	Tracciato - A.11	39.62	Tr050	1.87	8.78	10.63	9.24	10.63	0.000001	0.04	44.49	40.00	0.01
A.11_SP	Tracciato - A.11	39.62	Tr200	3.13	8.78	10.63	9.39	10.63	0.000003	0.07	44.49	40.00	0.02
A.11_SP	Tracciato - A.11	39.62	Tr500	4.01	8.78	10.63	9.49	10.63	0.000005	0.09	44.49	40.00	0.03
A.11_SP	Tracciato - A.11	19.51	Tr050	1.87	8.81	10.63	9.07	10.63	0.000000	0.03	64.92	40.00	0.01
A.11_SP	Tracciato - A.11	19.51	Tr200	3.13	8.81	10.63	9.11	10.63	0.000001	0.05	64.92	40.00	0.01
A.11_SP	Tracciato - A.11	19.51	Tr500	4.01	8.81	10.63	9.13	10.63	0.000002	0.06	64.92	40.00	0.02
A.10.2_SP	Tracciato - A.10	108.32	Tr050	0.18	29.79	29.89	29.95	30.16	0.260332	2.31	0.08	1.54	3.28
A.10.2_SP	Tracciato - A.10	108.32	Tr200	0.18	29.79	29.89	29.95	30.16	0.260332	2.31	0.08	1.54	3.28
A.10.2_SP	Tracciato - A.10	108.32	Tr500	0.18	29.79	29.89	29.95	30.16	0.260332	2.31	0.08	1.54	3.28
A.10.2_SP	Tracciato - A.10	88.32	Tr050	0.18	24.53	24.64	24.71	24.96	0.259495	2.49	0.07	1.27	3.33
A.10.2_SP	Tracciato - A.10	88.32	Tr200	0.18	24.53	24.64	24.71	24.96	0.259495	2.49	0.07	1.27	3.33
A.10.2_SP	Tracciato - A.10	88.32	Tr500	0.18	24.53	24.64	24.71	24.96	0.259495	2.49	0.07	1.27	3.33

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.10.2_SP	Tracciato - A.10	68.33	Tr050	0.18	18.71	19.91	19.97	20.16	0.220860	2.22	0.08	1.51	3.05
A.10.2_SP	Tracciato - A.10	68.33	Tr200	0.18	18.71	19.91	19.97	20.16	0.220860	2.22	0.08	1.51	3.05
A.10.2_SP	Tracciato - A.10	68.33	Tr500	0.18	18.71	19.91	19.97	20.16	0.220860	2.22	0.08	1.51	3.05
A.10.2_SP	Tracciato - A.10	48.33	Tr050	0.18	14.83	14.89	14.97	15.31	0.266083	2.87	0.06	1.17	3.97
A.10.2_SP	Tracciato - A.10	48.33	Tr200	0.18	14.83	14.89	14.97	15.31	0.266083	2.87	0.06	1.17	3.97
A.10.2_SP	Tracciato - A.10	48.33	Tr500	0.18	14.83	14.89	14.97	15.31	0.266083	2.87	0.06	1.17	3.97
A.10.2_SP	Tracciato - A.10	37.73	Tr050	0.18	12.86	12.93	13.00	13.21	0.147321	2.37	0.08	1.21	3.02
A.10.2_SP	Tracciato - A.10	37.73	Tr200	0.18	12.86	12.93	13.00	13.21	0.147321	2.37	0.08	1.21	3.02
A.10.2_SP	Tracciato - A.10	37.73	Tr500	0.18	12.86	12.93	13.00	13.21	0.147321	2.37	0.08	1.21	3.02
A.10.2_SP	Tracciato - A.10	36.73	Tr050	0.18	12.15	12.18	12.26	12.88	0.867961	3.69	0.05	1.50	6.54
A.10.2_SP	Tracciato - A.10	36.73	Tr200	0.18	12.15	12.18	12.26	12.88	0.867961	3.69	0.05	1.50	6.54
A.10.2_SP	Tracciato - A.10	36.73	Tr500	0.18	12.15	12.18	12.26	12.88	0.867961	3.69	0.05	1.50	6.54
A.10.2_SP	Tracciato - A.10	36		Culvert									
A.10.2_SP	Tracciato - A.10	10.25	Tr050	0.18	10.82	10.96	10.96	11.02	0.013342	1.07	0.17	1.42	1.00
A.10.2_SP	Tracciato - A.10	10.25	Tr200	0.18	10.82	10.96	10.96	11.02	0.013342	1.07	0.17	1.42	1.00
A.10.2_SP	Tracciato - A.10	10.25	Tr500	0.18	10.82	10.96	10.96	11.02	0.013342	1.07	0.17	1.42	1.00
A.10.2_SP	Tracciato - A.10	5.94	Tr050	0.18	10.60	10.68	10.74	10.88	0.084915	1.99	0.09	1.23	2.34
A.10.2_SP	Tracciato - A.10	5.94	Tr200	0.18	10.60	10.68	10.74	10.88	0.084915	1.99	0.09	1.23	2.34
A.10.2_SP	Tracciato - A.10	5.94	Tr500	0.18	10.60	10.68	10.74	10.88	0.084915	1.99	0.09	1.23	2.34
A.10.2_SP	Tracciato - A.10	0.34	Tr050	0.18	10.32	10.43	10.46	10.53	0.041099	1.39	0.13	1.33	1.42
A.10.2_SP	Tracciato - A.10	0.34	Tr200	0.18	10.32	10.43	10.46	10.53	0.041099	1.39	0.13	1.33	1.42
A.10.2_SP	Tracciato - A.10	0.34	Tr500	0.18	10.32	10.43	10.46	10.53	0.041099	1.39	0.13	1.33	1.42
A.10.1_SP	Tracciato - A.10	112.64	Tr050	0.18	35.13	35.17	35.22	35.37	0.340039	1.96	0.09	2.85	3.50
A.10.1_SP	Tracciato - A.10	112.64	Tr200	0.18	35.13	35.17	35.22	35.37	0.340039	1.96	0.09	2.85	3.50
A.10.1_SP	Tracciato - A.10	112.64	Tr500	0.18	35.13	35.17	35.22	35.37	0.340039	1.96	0.09	2.85	3.50
A.10.1_SP	Tracciato - A.10	93.64	Tr050	0.18	28.69	28.83	28.92	29.28	0.300407	2.97	0.06	0.88	3.62
A.10.1_SP	Tracciato - A.10	93.64	Tr200	0.18	28.69	28.83	28.92	29.28	0.300407	2.97	0.06	0.88	3.62
A.10.1_SP	Tracciato - A.10	93.64	Tr500	0.18	28.69	28.83	28.92	29.28	0.300407	2.97	0.06	0.88	3.62
A.10.1_SP	Tracciato - A.10	73.64	Tr050	0.18	21.85	21.91	21.95	22.13	0.423660	2.09	0.09	2.88	3.85
A.10.1_SP	Tracciato - A.10	73.64	Tr200	0.18	21.85	21.91	21.95	22.13	0.423660	2.09	0.09	2.88	3.85
A.10.1_SP	Tracciato - A.10	73.64	Tr500	0.18	21.85	21.91	21.95	22.13	0.423660	2.09	0.09	2.88	3.85
A.10.1_SP	Tracciato - A.10	53.64	Tr050	0.18	16.61	16.76	16.83	17.03	0.169786	2.31	0.08	1.06	2.73
A.10.1_SP	Tracciato - A.10	53.64	Tr200	0.18	16.61	16.76	16.83	17.03	0.169786	2.31	0.08	1.06	2.73
A.10.1_SP	Tracciato - A.10	53.64	Tr500	0.18	16.61	16.76	16.83	17.03	0.169786	2.31	0.08	1.06	2.73
A.10.1_SP	Tracciato - A.10	43.64	Tr050	0.18	15.42	15.50	15.56	15.72	0.101694	2.10	0.09	1.23	2.55
A.10.1_SP	Tracciato - A.10	43.64	Tr200	0.18	15.42	15.50	15.56	15.72	0.101694	2.10	0.09	1.23	2.55
A.10.1_SP	Tracciato - A.10	43.64	Tr500	0.18	15.42	15.50	15.56	15.72	0.101694	2.10	0.09	1.23	2.55
A.10.1_SP	Tracciato - A.10	33.72	Tr050	0.18	13.73	13.79	13.87	14.19	0.252294	2.82	0.06	1.18	3.87
A.10.1_SP	Tracciato - A.10	33.72	Tr200	0.18	13.73	13.79	13.87	14.19	0.252294	2.82	0.06	1.18	3.87
A.10.1_SP	Tracciato - A.10	33.72	Tr500	0.18	13.73	13.79	13.87	14.19	0.252294	2.82	0.06	1.18	3.87
A.10.1_SP	Tracciato - A.10	33		Culvert									
A.10.1_SP	Tracciato - A.10	2.71	Tr050	0.18	11.10	12.11	12.11	12.17	0.013558	1.08	0.17	1.41	1.00
A.10.1_SP	Tracciato - A.10	2.71	Tr200	0.18	11.10	12.11	12.11	12.17	0.013558	1.08	0.17	1.41	1.00
A.10.1_SP	Tracciato - A.10	2.71	Tr500	0.18	11.10	12.11	12.11	12.17	0.013558	1.08	0.17	1.41	1.00
A.10.1_SP	Tracciato - A.10	1	Tr050	0.18	10.90	11.97	12.02	12.12	0.051455	1.68	0.11	1.28	1.86
A.10.1_SP	Tracciato - A.10	1	Tr200	0.18	10.90	11.97	12.02	12.12	0.051455	1.68	0.11	1.28	1.86
A.10.1_SP	Tracciato - A.10	1	Tr500	0.18	10.90	11.97	12.02	12.12	0.051455	1.68	0.11	1.28	1.86
A.09_SP	Tracciato - A.09	338.45	Tr050	1.08	21.72	21.98	22.06	22.25	0.081051	2.28	0.47	3.98	2.11
A.09_SP	Tracciato - A.09	338.45	Tr200	1.77	21.72	22.03	22.13	22.39	0.081025	2.67	0.66	4.41	2.19
A.09_SP	Tracciato - A.09	338.45	Tr500	2.25	21.72	22.05	22.17	22.48	0.081124	2.89	0.78	4.56	2.24
A.09_SP	Tracciato - A.09	319.45	Tr050	1.08	20.03	20.41	20.54	20.83	0.067348	2.87	0.38	1.80	2.01
A.09_SP	Tracciato - A.09	319.45	Tr200	1.77	20.03	20.50	20.66	21.01	0.063579	3.17	0.56	2.20	2.01
A.09_SP	Tracciato - A.09	319.45	Tr500	2.25	20.03	20.55	20.73	21.12	0.062296	3.34	0.67	2.43	2.02
A.09_SP	Tracciato - A.09	299.46	Tr050	1.08	18.53	18.90	19.03	19.34	0.082371	2.96	0.37	2.00	2.21
A.09_SP	Tracciato - A.09	299.46	Tr200	1.77	18.53	18.97	19.14	19.55	0.084418	3.38	0.52	2.39	2.30
A.09_SP	Tracciato - A.09	299.46	Tr500	2.25	18.53	19.01	19.20	19.67	0.084480	3.59	0.63	2.62	2.34
A.09_SP	Tracciato - A.09	279.47	Tr050	1.08	18.27	18.76	18.73	18.85	0.011152	1.33	0.81	3.33	0.86
A.09_SP	Tracciato - A.09	279.47	Tr200	1.77	18.27	18.84	18.83	18.97	0.012754	1.59	1.11	3.88	0.95
A.09_SP	Tracciato - A.09	279.47	Tr500	2.25	18.27	18.89	18.88	19.04	0.013303	1.72	1.31	4.20	0.98
A.09_SP	Tracciato - A.09	259.47	Tr050	1.08	18.04	18.47	18.47	18.58	0.015854	1.46	0.74	3.48	1.01
A.09_SP	Tracciato - A.09	259.47	Tr200	1.77	18.04	18.57	18.57	18.70	0.014604	1.60	1.11	4.32	1.01
A.09_SP	Tracciato - A.09	259.47	Tr500	2.25	18.04	18.62	18.62	18.76	0.014225	1.67	1.34	4.77	1.01
A.09_SP	Tracciato - A.09	239.47	Tr050	1.08	17.59	17.85	17.92	18.05	0.051109	1.98	0.55	4.02	1.71
A.09_SP	Tracciato - A.09	239.47	Tr200	1.77	17.59	17.90	17.99	18.17	0.054800	2.31	0.77	4.72	1.83
A.09_SP	Tracciato - A.09	239.47	Tr500	2.25	17.59	17.93	18.03	18.24	0.055949	2.47	0.91	5.12	1.88
A.09_SP	Tracciato - A.09	219.47	Tr050	1.08	16.97	17.25	17.27	17.35	0.023461	1.41	0.77	5.24	1.18
A.09_SP	Tracciato - A.09	219.47	Tr200	1.77	16.97	17.31	17.34	17.44	0.023631	1.61	1.10	6.20	1.22
A.09_SP	Tracciato - A.09	219.47	Tr500	2.25	16.97	17.34	17.38	17.49	0.024020	1.73	1.30	6.70	1.25

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.09_SP	Tracciato - A.09	199.47	Tr050	1.08	15.51	15.81	15.95	16.37	0.133987	3.33	0.32	2.19	2.77
A.09_SP	Tracciato - A.09	199.47	Tr200	1.77	15.51	15.88	16.05	16.51	0.110968	3.51	0.50	2.73	2.61
A.09_SP	Tracciato - A.09	199.47	Tr500	2.25	15.51	15.92	16.10	16.58	0.099857	3.58	0.63	3.05	2.52
A.09_SP	Tracciato - A.09	190.24	Tr050	1.08	14.81	15.32	15.42	15.65	0.043459	2.52	0.43	1.67	1.59
A.09_SP	Tracciato - A.09	190.24	Tr200	1.77	14.81	15.43	15.56	15.84	0.042594	2.83	0.62	2.01	1.62
A.09_SP	Tracciato - A.09	190.24	Tr500	2.25	14.81	15.49	15.64	15.95	0.041828	2.99	0.75	2.21	1.63
A.09_SP	Tracciato - A.09	173.56	Tr050	1.08	14.08	14.64	14.73	14.94	0.040465	2.45	0.44	1.63	1.51
A.09_SP	Tracciato - A.09	173.56	Tr200	1.77	14.08	14.75	14.87	15.14	0.040713	2.78	0.64	1.97	1.56
A.09_SP	Tracciato - A.09	173.56	Tr500	2.25	14.08	14.81	14.95	15.25	0.040833	2.95	0.76	2.16	1.59
A.09_SP	Tracciato - A.09	159.47	Tr050	1.08	14.08	14.61	14.61	14.75	0.015814	1.63	0.66	2.49	1.01
A.09_SP	Tracciato - A.09	159.47	Tr200	1.77	14.08	14.73	14.73	14.89	0.014775	1.80	0.98	3.04	1.01
A.09_SP	Tracciato - A.09	159.47	Tr500	2.25	14.08	14.79	14.79	14.97	0.014331	1.89	1.19	3.35	1.01
A.09_SP	Tracciato - A.09	139.47	Tr050	1.08	13.72	13.92	14.01	14.20	0.052863	2.34	0.46	2.60	1.78
A.09_SP	Tracciato - A.09	139.47	Tr200	1.77	13.72	13.99	14.11	14.37	0.051115	2.73	0.65	2.81	1.82
A.09_SP	Tracciato - A.09	139.47	Tr500	2.25	13.72	14.03	14.17	14.46	0.049101	2.91	0.77	2.94	1.81
A.09_SP	Tracciato - A.09	129.47	Tr050	1.08	13.23	13.44	13.52	13.70	0.046582	2.25	0.48	2.62	1.68
A.09_SP	Tracciato - A.09	129.47	Tr200	1.77	13.23	13.50	13.62	13.87	0.047848	2.67	0.66	2.82	1.76
A.09_SP	Tracciato - A.09	129.47	Tr500	2.25	13.23	13.54	13.68	13.97	0.048826	2.90	0.77	2.94	1.81
A.09_SP	Tracciato - A.09	128		Bridge									
A.09_SP	Tracciato - A.09	104.47	Tr050	1.08	12.00	12.17	12.29	12.57	0.088916	2.78	0.39	2.52	2.26
A.09_SP	Tracciato - A.09	104.47	Tr200	1.77	12.00	12.23	12.39	12.79	0.091242	3.32	0.53	2.68	2.38
A.09_SP	Tracciato - A.09	104.47	Tr500	2.25	12.00	12.26	12.45	12.91	0.087986	3.55	0.63	2.79	2.38
A.09_SP	Tracciato - A.09	80.47	Tr050	1.08	10.82	11.06	11.12	11.27	0.033796	2.04	0.53	2.60	1.44
A.09_SP	Tracciato - A.09	80.47	Tr200	1.77	10.82	11.13	11.22	11.43	0.034897	2.42	0.73	2.81	1.52
A.09_SP	Tracciato - A.09	80.47	Tr500	2.25	10.82	11.18	11.29	11.53	0.036169	2.65	0.85	2.92	1.57
A.09_SP	Tracciato - A.09	59.47	Tr050	1.08	10.23	10.48	10.52	10.65	0.025437	1.84	0.59	2.74	1.27
A.09_SP	Tracciato - A.09	59.47	Tr200	1.77	10.23	10.56	10.62	10.80	0.025429	2.15	0.82	2.99	1.31
A.09_SP	Tracciato - A.09	59.47	Tr500	2.25	10.23	10.61	10.68	10.88	0.025236	2.31	0.97	3.14	1.33
A.09_SP	Tracciato - A.09	39.47	Tr050	1.08	9.99	10.09	10.09	10.13	0.022589	0.96	1.12	13.31	1.06
A.09_SP	Tracciato - A.09	39.47	Tr200	1.77	9.99	10.11	10.13	10.19	0.030790	1.28	1.39	13.59	1.28
A.09_SP	Tracciato - A.09	39.47	Tr500	2.25	9.99	10.12	10.15	10.23	0.036856	1.48	1.52	13.73	1.42
A.09_SP	Tracciato - A.09	19.47	Tr050	1.08	9.04	9.19	9.23	9.32	0.090069	1.63	0.66	9.95	2.01
A.09_SP	Tracciato - A.09	19.47	Tr200	1.77	9.04	9.23	9.26	9.34	0.061523	1.48	1.19	15.49	1.71
A.09_SP	Tracciato - A.09	19.47	Tr500	2.25	9.04	9.25	9.28	9.36	0.051308	1.51	1.49	16.48	1.60
A.09_SP	Tracciato - A.09	1.47	Tr050	1.08	8.50	8.97	8.97	9.06	0.015544	1.33	0.81	4.42	0.99
A.09_SP	Tracciato - A.09	1.47	Tr200	1.77	8.50	9.00	9.00	9.01	0.000710	0.37	4.74	16.76	0.22
A.09_SP	Tracciato - A.09	1.47	Tr500	2.25	8.50	9.00	9.00	9.01	0.001147	0.47	4.74	16.76	0.29
A.08_SP	Tracciato - A.08	326.4	Tr050	1.27	41.94	42.02	42.03	42.07	0.045016	0.92	1.37	29.05	1.36
A.08_SP	Tracciato - A.08	326.4	Tr200	1.93	41.94	42.04	42.05	42.10	0.045011	1.09	1.78	29.54	1.41
A.08_SP	Tracciato - A.08	326.4	Tr500	2.38	41.94	42.05	42.06	42.12	0.045018	1.18	2.02	29.83	1.44
A.08_SP	Tracciato - A.08	307.4	Tr050	1.27	41.17	41.33	41.34	41.40	0.028040	1.14	1.11	11.94	1.20
A.08_SP	Tracciato - A.08	307.4	Tr200	1.93	41.17	41.36	41.38	41.44	0.027027	1.26	1.53	13.83	1.21
A.08_SP	Tracciato - A.08	307.4	Tr500	2.38	41.17	41.38	41.40	41.47	0.026455	1.32	1.80	14.93	1.22
A.08_SP	Tracciato - A.08	287.4	Tr050	1.27	40.23	40.43	40.48	40.59	0.060800	1.78	0.71	7.09	1.79
A.08_SP	Tracciato - A.08	287.4	Tr200	1.93	40.23	40.47	40.53	40.66	0.059424	1.96	0.99	8.32	1.82
A.08_SP	Tracciato - A.08	287.4	Tr500	2.38	40.23	40.49	40.55	40.70	0.058658	2.05	1.16	9.02	1.83
A.08_SP	Tracciato - A.08	267.4	Tr050	1.27	40.00	40.10	40.06	40.11	0.004579	0.48	2.67	27.44	0.49
A.08_SP	Tracciato - A.08	267.4	Tr200	1.93	40.00	40.13	40.08	40.14	0.004864	0.57	3.39	28.01	0.52
A.08_SP	Tracciato - A.08	267.4	Tr500	2.38	40.00	40.14	40.10	40.16	0.004977	0.62	3.84	28.34	0.54
A.08_SP	Tracciato - A.08	247.41	Tr050	1.27	39.77	39.90	39.90	39.94	0.021928	0.80	1.58	24.04	1.00
A.08_SP	Tracciato - A.08	247.41	Tr200	1.93	39.77	39.93	39.93	39.97	0.020922	0.88	2.20	28.38	1.01
A.08_SP	Tracciato - A.08	247.41	Tr500	2.38	39.77	39.94	39.94	39.98	0.020806	0.92	2.58	30.73	1.02
A.08_SP	Tracciato - A.08	227.41	Tr050	1.27	39.14	39.26	39.28	39.33	0.043911	1.19	1.07	15.29	1.43
A.08_SP	Tracciato - A.08	227.41	Tr200	1.93	39.14	39.28	39.31	39.37	0.044236	1.35	1.43	17.05	1.48
A.08_SP	Tracciato - A.08	227.41	Tr500	2.38	39.14	39.29	39.32	39.40	0.043205	1.42	1.68	18.14	1.49
A.08_SP	Tracciato - A.08	207.51	Tr050	1.27	38.06	38.23	38.28	38.37	0.052277	1.63	0.78	7.87	1.65
A.08_SP	Tracciato - A.08	207.51	Tr200	1.93	38.06	38.27	38.32	38.43	0.049615	1.79	1.08	9.14	1.66
A.08_SP	Tracciato - A.08	207.51	Tr500	2.38	38.06	38.29	38.34	38.47	0.049219	1.90	1.25	9.62	1.68
A.08_SP	Tracciato - A.08	187.55	Tr050	1.27	38.00	38.08	38.08	38.12	0.020531	0.88	1.45	18.45	1.00
A.08_SP	Tracciato - A.08	187.55	Tr200	1.93	38.00	38.11	38.11	38.16	0.019181	1.00	1.93	19.21	1.01
A.08_SP	Tracciato - A.08	187.55	Tr500	2.38	38.00	38.13	38.13	38.18	0.018118	1.06	2.25	19.69	1.00
A.08_SP	Tracciato - A.08	167.55	Tr050	1.27	36.98	37.07	37.11	37.24	0.149731	1.82	0.70	13.12	2.52
A.08_SP	Tracciato - A.08	167.55	Tr200	1.93	36.98	37.08	37.14	37.31	0.150856	2.11	0.92	13.91	2.63
A.08_SP	Tracciato - A.08	167.55	Tr500	2.38	36.98	37.09	37.16	37.36	0.154839	2.28	1.04	14.35	2.70
A.08_SP	Tracciato - A.08	147.55	Tr050	1.27	35.96	36.48	36.48	36.53	0.007096	1.21	1.57	13.59	0.68
A.08_SP	Tracciato - A.08	147.55	Tr200	1.93	35.96	36.49	36.52	36.59	0.014532	1.75	1.65	13.85	0.97
A.08_SP	Tracciato - A.08	147.55	Tr500	2.38	35.96	36.51	36.54	36.62	0.014783	1.83	1.95	14.76	0.99
A.08_SP	Tracciato - A.08	127.55	Tr050	1.27	35.31	35.52	35.68	36.11	0.116120	3.43	0.37	2.12	2.61
A.08_SP	Tracciato - A.08	127.55	Tr200	1.93	35.31	35.64	35.78	36.07	0.049243	2.91	0.66	2.50	1.80

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.08_SP	Tracciato - A.08	127.55	Tr500	2.38	35.31	35.70	35.84	36.13	0.040458	2.89	0.82	2.68	1.66
A.08_SP	Tracciato - A.08	107.55	Tr050	1.27	34.93	35.28	35.30	35.44	0.011715	1.76	0.72	2.56	1.06
A.08_SP	Tracciato - A.08	107.55	Tr200	1.93	34.93	35.50	35.40	35.61	0.004694	1.43	1.35	3.21	0.71
A.08_SP	Tracciato - A.08	107.55	Tr500	2.38	34.93	35.62	35.46	35.72	0.003438	1.36	1.76	3.58	0.62
A.08_SP	Tracciato - A.08	99.55	Tr050	1.27	34.77	35.32	35.14	35.37	0.002269	0.98	1.29	3.16	0.49
A.08_SP	Tracciato - A.08	99.55	Tr200	1.93	34.77	35.52	35.24	35.57	0.001659	0.98	1.97	3.75	0.43
A.08_SP	Tracciato - A.08	99.55	Tr500	2.38	34.77	35.64	35.30	35.69	0.001424	0.98	2.42	4.10	0.41
A.08_SP	Tracciato - A.08	98		Culvert									
A.08_SP	Tracciato - A.08	64.55	Tr050	1.27	34.11	34.37	34.48	34.71	0.036090	2.60	0.49	2.28	1.80
A.08_SP	Tracciato - A.08	64.55	Tr200	1.93	34.11	34.45	34.58	34.85	0.031132	2.81	0.69	2.52	1.72
A.08_SP	Tracciato - A.08	64.55	Tr500	2.38	34.11	34.50	34.64	34.93	0.028158	2.89	0.82	2.68	1.66
A.08_SP	Tracciato - A.08	47.55	Tr050	1.27	33.78	34.19	34.15	34.30	0.006869	1.46	0.87	2.73	0.83
A.08_SP	Tracciato - A.08	47.55	Tr200	1.93	33.78	34.19	34.25	34.44	0.015847	2.22	0.87	2.73	1.25
A.08_SP	Tracciato - A.08	47.55	Tr500	2.38	33.78	34.24	34.31	34.53	0.016653	2.40	0.99	2.87	1.30
A.08_SP	Tracciato - A.08	27.55	Tr050	1.27	34.00	34.08		34.10	0.011483	0.63	2.02	27.41	0.74
A.08_SP	Tracciato - A.08	27.55	Tr200	1.93	34.00	34.10	34.08	34.13	0.011651	0.73	2.63	28.44	0.77
A.08_SP	Tracciato - A.08	27.55	Tr500	2.38	34.00	34.11	34.10	34.15	0.011860	0.80	2.98	28.95	0.79
A.08_SP	Tracciato - A.08	7.55	Tr050	1.27	33.65	33.76	33.76	33.79	0.021523	0.83	1.53	21.73	1.00
A.08_SP	Tracciato - A.08	7.55	Tr200	1.93	33.65	33.78	33.78	33.82	0.020268	0.94	2.06	23.59	1.01
A.08_SP	Tracciato - A.08	7.55	Tr500	2.38	33.65	33.79	33.79	33.84	0.019543	0.99	2.41	24.71	1.01
A.08_SP	Tracciato - A.08	1	Tr050	1.27	33.40	33.56	33.58	33.63	0.029208	1.09	1.16	13.81	1.20
A.08_SP	Tracciato - A.08	1	Tr200	1.93	33.40	33.59	33.61	33.67	0.027728	1.19	1.62	16.30	1.21
A.08_SP	Tracciato - A.08	1	Tr500	2.38	33.40	33.61	33.63	33.69	0.027041	1.24	1.91	17.71	1.21
A.07_SP	Tracciato - A.07	360.24	Tr050	2.99	38.94	39.41	39.44	39.55	0.020003	1.65	1.81	8.73	1.15
A.07_SP	Tracciato - A.07	360.24	Tr200	4.87	38.94	39.50	39.53	39.67	0.020004	1.83	2.66	10.92	1.18
A.07_SP	Tracciato - A.07	360.24	Tr500	6.21	38.94	39.55	39.59	39.74	0.020006	1.94	3.21	12.13	1.20
A.07_SP	Tracciato - A.07	341.24	Tr050	2.99	38.79	39.11	39.14	39.22	0.024785	1.45	2.06	14.21	1.21
A.07_SP	Tracciato - A.07	341.24	Tr200	4.87	38.79	39.20	39.20	39.30	0.017262	1.37	3.56	20.44	1.04
A.07_SP	Tracciato - A.07	341.24	Tr500	6.21	38.79	39.22	39.24	39.34	0.019451	1.54	4.04	21.18	1.13
A.07_SP	Tracciato - A.07	321.24	Tr050	2.99	38.41	38.72	38.73	38.81	0.019795	1.30	2.30	15.70	1.09
A.07_SP	Tracciato - A.07	321.24	Tr200	4.87	38.41	38.77	38.79	38.90	0.022797	1.60	3.04	16.96	1.21
A.07_SP	Tracciato - A.07	321.24	Tr500	6.21	38.41	38.81	38.83	38.95	0.020007	1.65	3.76	18.09	1.16
A.07_SP	Tracciato - A.07	301.25	Tr050	2.99	37.64	38.13	38.17	38.30	0.033733	1.81	1.65	10.16	1.44
A.07_SP	Tracciato - A.07	301.25	Tr200	4.87	37.64	38.21	38.26	38.39	0.027675	1.92	2.54	12.41	1.35
A.07_SP	Tracciato - A.07	301.25	Tr500	6.21	37.64	38.24	38.30	38.46	0.029194	2.08	2.98	13.38	1.41
A.07_SP	Tracciato - A.07	281.25	Tr050	2.99	37.37	37.73	37.74	37.83	0.018753	1.42	2.11	12.15	1.09
A.07_SP	Tracciato - A.07	281.25	Tr200	4.87	37.37	37.79	37.81	37.93	0.018568	1.62	3.00	13.98	1.12
A.07_SP	Tracciato - A.07	281.25	Tr500	6.21	37.37	37.84	37.86	37.99	0.018100	1.72	3.60	15.10	1.13
A.07_SP	Tracciato - A.07	261.26	Tr050	2.99	36.80	37.16	37.22	37.35	0.031123	1.89	1.59	8.70	1.41
A.07_SP	Tracciato - A.07	261.26	Tr200	4.87	36.80	37.24	37.31	37.46	0.028779	2.07	2.35	10.60	1.40
A.07_SP	Tracciato - A.07	261.26	Tr500	6.21	36.80	37.29	37.36	37.53	0.028111	2.18	2.85	11.66	1.41
A.07_SP	Tracciato - A.07	241.26	Tr050	2.99	36.38	36.77	36.77	36.85	0.018056	1.26	2.37	15.75	1.04
A.07_SP	Tracciato - A.07	241.26	Tr200	4.87	36.38	36.82	36.84	36.94	0.021675	1.51	3.23	18.97	1.17
A.07_SP	Tracciato - A.07	241.26	Tr500	6.21	36.38	36.85	36.88	36.99	0.023425	1.64	3.79	20.77	1.23
A.07_SP	Tracciato - A.07	221.25	Tr050	2.99	35.97	36.21	36.24	36.32	0.043440	1.46	2.05	21.33	1.50
A.07_SP	Tracciato - A.07	221.25	Tr200	4.87	35.97	36.25	36.28	36.39	0.035557	1.65	2.95	21.94	1.43
A.07_SP	Tracciato - A.07	221.25	Tr500	6.21	35.97	36.44	36.31	36.47	0.003280	0.86	7.18	23.28	0.50
A.07_SP	Tracciato - A.07	201.25	Tr050	2.99	35.32	36.11	35.95	36.13	0.003372	0.64	4.68	24.45	0.47
A.07_SP	Tracciato - A.07	201.25	Tr200	4.87	35.32	36.30	36.07	36.31	0.000947	0.52	9.43	25.90	0.27
A.07_SP	Tracciato - A.07	201.25	Tr500	6.21	35.32	36.43		36.44	0.000566	0.48	12.95	26.92	0.22
A.07_SP	Tracciato - A.07	181.35	Tr050	2.99	35.08	35.76	35.76	35.99	0.013568	2.12	1.41	3.09	1.00
A.07_SP	Tracciato - A.07	181.35	Tr200	4.87	35.08	35.95	35.95	36.24	0.012872	2.36	2.07	3.67	1.00
A.07_SP	Tracciato - A.07	181.35	Tr500	6.21	35.08	36.07	36.07	36.38	0.012401	2.47	2.51	4.01	1.00
A.07_SP	Tracciato - A.07	161.25	Tr050	2.99	34.64	35.10	35.24	35.55	0.036147	2.96	1.01	2.88	1.60
A.07_SP	Tracciato - A.07	161.25	Tr200	4.87	34.64	35.25	35.43	35.81	0.034171	3.33	1.46	3.32	1.60
A.07_SP	Tracciato - A.07	161.25	Tr500	6.21	34.64	35.33	35.54	35.96	0.033123	3.52	1.77	3.58	1.60
A.07_SP	Tracciato - A.07	141.25	Tr050	2.99	34.21	34.73	34.81	35.05	0.015860	2.51	1.19	3.06	1.29
A.07_SP	Tracciato - A.07	141.25	Tr200	4.87	34.21	35.18	35.00	35.33	0.003785	1.70	2.87	4.41	0.67
A.07_SP	Tracciato - A.07	141.25	Tr500	6.21	34.21	35.45	35.10	35.57	0.002212	1.48	4.19	5.23	0.53
A.07_SP	Tracciato - A.07	122.25	Tr050	2.99	33.79	34.81	34.39	34.86	0.001181	0.97	3.07	4.55	0.38
A.07_SP	Tracciato - A.07	122.25	Tr200	4.87	33.79	35.22	34.58	35.27	0.000751	0.93	5.22	5.80	0.31
A.07_SP	Tracciato - A.07	122.25	Tr500	6.21	33.79	35.53	34.69	35.53	0.000060	0.31	26.24	40.00	0.09
A.07_SP	Tracciato - A.07	122		Culvert									
A.07_SP	Tracciato - A.07	62.25	Tr050	2.99	32.48	32.92	33.08	33.43	0.029883	3.15	0.95	2.81	1.73
A.07_SP	Tracciato - A.07	62.25	Tr200	4.87	32.48	33.10	33.27	33.64	0.022645	3.27	1.49	3.34	1.56
A.07_SP	Tracciato - A.07	62.25	Tr500	6.21	32.48	33.21	33.38	33.76	0.018842	3.27	1.90	3.69	1.45
A.07_SP	Tracciato - A.07	41.25	Tr050	2.99	32.02	32.51	32.62	32.89	0.019642	2.71	1.10	2.98	1.42
A.07_SP	Tracciato - A.07	41.25	Tr200	4.87	32.02	32.64	32.81	33.17	0.021812	3.23	1.51	3.36	1.54

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.07_SP	Tracciato - A.07	41.25	Tr500	6.21	32.02	32.73	32.91	33.33	0.021545	3.43	1.81	3.62	1.55
A.07_SP	Tracciato - A.07	21.25	Tr050	2.99	31.70	32.09	31.97	32.11	0.002249	0.56	5.34	25.26	0.39
A.07_SP	Tracciato - A.07	21.25	Tr200	4.87	31.70	31.93	32.03	32.28	0.111720	2.59	1.88	16.76	2.47
A.07_SP	Tracciato - A.07	21.25	Tr500	6.21	31.70	31.94	32.06	32.40	0.136923	2.99	2.08	17.41	2.76
A.07_SP	Tracciato - A.07	1.25	Tr050	2.99	31.46	31.93	31.90	32.01	0.010636	1.31	2.28	9.60	0.86
A.07_SP	Tracciato - A.07	1.25	Tr200	4.87	31.46	32.13	31.99	32.14	0.000941	0.51	9.50	26.11	0.27
A.07_SP	Tracciato - A.07	1.25	Tr500	6.21	31.46	32.03	32.03	32.07	0.004176	0.90	6.92	25.22	0.55
A.07_SP	Tracciato - A.07	1	Tr050	2.99	31.46	31.92	31.90	32.01	0.012011	1.38	2.17	9.34	0.91
A.07_SP	Tracciato - A.07	1	Tr200	4.87	31.46	32.01	31.99	32.13	0.012023	1.57	3.10	10.93	0.94
A.07_SP	Tracciato - A.07	1	Tr500	6.21	31.46	32.03	32.03	32.07	0.004039	0.89	6.99	25.22	0.54
A.06_SP	Tracciato - A.06	605.31	Tr050	5.35	41.85	42.49	42.49	42.62	0.014963	1.56	3.43	14.35	1.02
A.06_SP	Tracciato - A.06	605.31	Tr200	8.68	41.85	42.60	42.60	42.74	0.014354	1.67	5.20	19.10	1.02
A.06_SP	Tracciato - A.06	605.31	Tr500	11.11	41.85	42.66	42.66	42.81	0.013461	1.71	6.49	21.93	1.00
A.06_SP	Tracciato - A.06	585.32	Tr050	5.35	41.69	42.02	42.07	42.18	0.033479	1.78	3.01	19.11	1.43
A.06_SP	Tracciato - A.06	585.32	Tr200	8.68	41.69	42.08	42.14	42.30	0.038084	2.09	4.15	22.68	1.56
A.06_SP	Tracciato - A.06	585.32	Tr500	11.11	41.69	42.11	42.19	42.37	0.039121	2.27	4.89	24.17	1.61
A.06_SP	Tracciato - A.06	570.32	Tr050	5.35	41.45	41.85	41.85	41.96	0.015244	1.47	3.65	17.14	1.01
A.06_SP	Tracciato - A.06	570.32	Tr200	8.68	41.45	41.94	41.94	42.08	0.014157	1.62	5.34	20.32	1.01
A.06_SP	Tracciato - A.06	570.32	Tr500	11.11	41.45	41.99	41.99	42.14	0.013624	1.71	6.50	22.23	1.01
A.06_SP	Tracciato - A.06	550.33	Tr050	5.35	41.04	41.36	41.41	41.53	0.032038	1.78	3.00	18.41	1.41
A.06_SP	Tracciato - A.06	550.33	Tr200	8.68	41.04	41.42	41.49	41.64	0.034911	2.08	4.18	21.72	1.51
A.06_SP	Tracciato - A.06	550.33	Tr500	11.11	41.04	41.46	41.54	41.71	0.036498	2.25	4.95	23.62	1.57
A.06_SP	Tracciato - A.06	535.33	Tr050	5.35	40.50	40.87	40.92	41.06	0.030241	1.93	2.77	14.41	1.41
A.06_SP	Tracciato - A.06	535.33	Tr200	8.68	40.50	40.95	41.01	41.18	0.027709	2.11	4.11	17.52	1.39
A.06_SP	Tracciato - A.06	535.33	Tr500	11.11	40.50	41.00	41.07	41.25	0.026339	2.20	5.04	19.38	1.38
A.06_SP	Tracciato - A.06	510.36	Tr050	5.35	40.33	40.57	40.57	40.64	0.017602	1.17	4.59	33.89	1.01
A.06_SP	Tracciato - A.06	510.36	Tr200	8.68	40.33	40.62	40.62	40.72	0.015990	1.36	6.36	34.48	1.01
A.06_SP	Tracciato - A.06	510.36	Tr500	11.11	40.33	40.66	40.66	40.77	0.015149	1.47	7.54	34.86	1.01
A.06_SP	Tracciato - A.06	495.36	Tr050	5.35	40.00	40.24	40.26	40.34	0.024018	1.39	3.85	27.56	1.19
A.06_SP	Tracciato - A.06	495.36	Tr200	8.68	40.00	40.29	40.32	40.42	0.024143	1.61	5.38	30.87	1.24
A.06_SP	Tracciato - A.06	495.36	Tr500	11.11	40.00	40.32	40.36	40.47	0.025805	1.70	6.55	36.77	1.28
A.06_SP	Tracciato - A.06	475.36	Tr050	5.35	38.64	39.74	39.77	39.88	0.021456	1.66	3.22	16.24	1.19
A.06_SP	Tracciato - A.06	475.36	Tr200	8.68	38.64	39.83	39.84	39.99	0.019546	1.78	4.88	20.60	1.17
A.06_SP	Tracciato - A.06	475.36	Tr500	11.11	38.64	39.84	39.84	39.85	0.000710	0.54	20.74	42.93	0.25
A.06_SP	Tracciato - A.06	455.36	Tr050	5.35	38.66	39.38	39.39	39.48	0.017215	1.40	3.82	21.02	1.05
A.06_SP	Tracciato - A.06	455.36	Tr200	8.68	38.66	39.39	39.39	39.42	0.002315	0.71	12.28	41.06	0.41
A.06_SP	Tracciato - A.06	455.36	Tr500	11.11	38.66	39.37	39.39	39.89	0.100770	3.21	3.47	20.74	2.50
A.06_SP	Tracciato - A.06	435.36	Tr050	5.35	38.65	38.86	38.84	38.90	0.010180	0.81	6.59	55.32	0.75
A.06_SP	Tracciato - A.06	435.36	Tr200	8.68	38.65	38.91	38.88	38.96	0.008462	0.91	9.49	57.91	0.72
A.06_SP	Tracciato - A.06	435.36	Tr500	11.11	38.65	38.95	38.91	39.00	0.007677	0.98	11.39	58.63	0.71
A.06_SP	Tracciato - A.06	415.35	Tr050	5.35	38.35	38.61	38.59	38.66	0.013519	1.04	5.13	36.61	0.89
A.06_SP	Tracciato - A.06	415.35	Tr200	8.68	38.35	38.65	38.65	38.73	0.015007	1.26	6.89	40.07	0.97
A.06_SP	Tracciato - A.06	415.35	Tr500	11.11	38.35	38.68	38.68	38.78	0.015858	1.37	8.11	43.34	1.01
A.06_SP	Tracciato - A.06	395.35	Tr050	5.35	38.07	38.29	38.29	38.34	0.019121	1.05	5.12	47.42	1.02
A.06_SP	Tracciato - A.06	395.35	Tr200	8.68	38.07	38.33	38.33	38.40	0.017545	1.20	7.25	51.35	1.02
A.06_SP	Tracciato - A.06	395.35	Tr500	11.11	38.07	38.36	38.36	38.44	0.017827	1.31	8.48	53.07	1.05
A.06_SP	Tracciato - A.06	375.34	Tr050	5.35	37.23	37.46	37.54	37.70	0.059686	2.18	2.46	17.76	1.87
A.06_SP	Tracciato - A.06	375.34	Tr200	8.68	37.23	37.52	37.61	37.81	0.053613	2.40	3.61	20.76	1.84
A.06_SP	Tracciato - A.06	375.34	Tr500	11.11	37.23	37.56	37.66	37.87	0.047954	2.48	4.49	22.70	1.78
A.06_SP	Tracciato - A.06	355.34	Tr050	5.35	36.25	36.60	36.66	36.80	0.034085	1.99	2.69	14.69	1.48
A.06_SP	Tracciato - A.06	355.34	Tr200	8.68	36.25	36.67	36.75	36.94	0.035643	2.31	3.76	16.92	1.56
A.06_SP	Tracciato - A.06	355.34	Tr500	11.11	36.25	36.71	36.81	37.03	0.037249	2.51	4.43	18.16	1.62
A.06_SP	Tracciato - A.06	335.34	Tr050	5.35	34.89	35.86	35.51	35.89	0.001257	0.72	7.42	15.43	0.33
A.06_SP	Tracciato - A.06	335.34	Tr200	8.68	34.89	36.15	35.65	36.18	0.000879	0.68	12.79	22.30	0.29
A.06_SP	Tracciato - A.06	335.34	Tr500	11.11	34.89	36.33	35.73	36.35	0.000720	0.64	17.27	28.14	0.26
A.06_SP	Tracciato - A.06	315.34	Tr050	5.35	34.79	35.53	35.53	35.81	0.012377	2.32	2.31	4.23	1.00
A.06_SP	Tracciato - A.06	315.34	Tr200	8.68	34.79	35.76	35.76	36.10	0.011671	2.59	3.35	4.91	1.00
A.06_SP	Tracciato - A.06	315.34	Tr500	11.11	34.79	35.90	35.90	36.28	0.011341	2.74	4.06	5.32	1.00
A.06_SP	Tracciato - A.06	295.34	Tr050	5.35	34.34	34.94	35.08	35.43	0.028020	3.11	1.72	3.79	1.47
A.06_SP	Tracciato - A.06	295.34	Tr200	8.68	34.34	35.13	35.31	35.74	0.026119	3.47	2.50	4.36	1.46
A.06_SP	Tracciato - A.06	295.34	Tr500	11.11	34.34	35.24	35.45	35.93	0.025064	3.66	3.04	4.71	1.46
A.06_SP	Tracciato - A.06	275.34	Tr050	5.35	34.00	34.73	34.74	35.02	0.013107	2.37	2.26	4.19	1.03
A.06_SP	Tracciato - A.06	275.34	Tr200	8.68	34.00	35.02	34.97	35.32	0.009739	2.42	3.58	5.05	0.92
A.06_SP	Tracciato - A.06	275.34	Tr500	11.11	34.00	35.37	35.11	35.58	0.004779	1.99	5.58	6.12	0.67
A.06_SP	Tracciato - A.06	255.34	Tr050	5.35	33.67	34.57	34.41	34.73	0.004155	1.78	3.00	4.69	0.71
A.06_SP	Tracciato - A.06	255.34	Tr200	8.68	33.67	35.07	34.64	35.19	0.001866	1.51	5.75	6.21	0.50
A.06_SP	Tracciato - A.06	255.34	Tr500	11.11	33.67	35.40	34.78	35.50	0.001274	1.40	7.96	7.20	0.42
A.06_SP	Tracciato - A.06	237.36	Tr050	5.35	33.37	34.57	34.17	34.66	0.001792	1.30	4.10	5.29	0.47
A.06_SP	Tracciato - A.06	237.36	Tr200	8.68	33.37	35.08	34.42	35.15	0.001050	1.21	7.16	6.85	0.38

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.06_SP	Tracciato - A.06	237.36	Tr500	11.11	33.37	35.47	34.56	35.47	0.000041	0.28	49.55	60.00	0.08
A.06_SP	Tracciato - A.06	237		Culvert									
A.06_SP	Tracciato - A.06	173.36	Tr050	5.35	32.29	32.86	33.04	33.43	0.023911	3.35	1.60	3.67	1.62
A.06_SP	Tracciato - A.06	173.36	Tr200	8.68	32.29	33.08	33.27	33.70	0.018449	3.50	2.48	4.33	1.47
A.06_SP	Tracciato - A.06	173.36	Tr500	11.11	32.29	33.23	33.41	33.86	0.015525	3.51	3.16	4.77	1.38
A.06_SP	Tracciato - A.06	155.36	Tr050	5.35	31.99	32.62	32.73	33.04	0.015427	2.86	1.87	3.89	1.32
A.06_SP	Tracciato - A.06	155.36	Tr200	8.68	31.99	32.79	32.96	33.38	0.016766	3.38	2.57	4.39	1.41
A.06_SP	Tracciato - A.06	155.36	Tr500	11.11	31.99	32.91	33.10	33.57	0.016503	3.59	3.09	4.73	1.42
A.06_SP	Tracciato - A.06	135.36	Tr050	5.35	31.66	32.33	32.40	32.69	0.018340	2.67	2.00	4.00	1.20
A.06_SP	Tracciato - A.06	135.36	Tr200	8.68	31.66	32.53	32.63	33.00	0.018047	3.04	2.86	4.60	1.23
A.06_SP	Tracciato - A.06	135.36	Tr500	11.11	31.66	32.64	32.77	33.18	0.018478	3.27	3.39	4.94	1.26
A.06_SP	Tracciato - A.06	115.35	Tr050	5.35	31.44	31.72	31.82	32.03	0.070273	2.43	2.20	15.18	2.04
A.06_SP	Tracciato - A.06	115.35	Tr200	8.68	31.44	31.76	31.91	32.27	0.103410	3.18	2.73	16.89	2.53
A.06_SP	Tracciato - A.06	115.35	Tr500	11.11	31.44	31.78	31.96	32.42	0.116313	3.54	3.14	18.10	2.71
A.06_SP	Tracciato - A.06	95.35	Tr050	5.35	31.06	31.38	31.38	31.46	0.016584	1.29	4.16	25.37	1.01
A.06_SP	Tracciato - A.06	95.35	Tr200	8.68	31.06	31.45	31.45	31.55	0.015628	1.42	6.12	30.75	1.02
A.06_SP	Tracciato - A.06	95.35	Tr500	11.11	31.06	31.49	31.49	31.61	0.015238	1.50	7.39	33.44	1.02
A.06_SP	Tracciato - A.06	75.36	Tr050	5.35	30.50	30.86	30.90	31.02	0.031032	1.75	3.05	18.70	1.39
A.06_SP	Tracciato - A.06	75.36	Tr200	8.68	30.50	30.93	30.98	31.12	0.030771	1.94	4.47	23.28	1.42
A.06_SP	Tracciato - A.06	75.36	Tr500	11.11	30.50	30.97	31.03	31.18	0.030169	2.06	5.40	25.50	1.43
A.06_SP	Tracciato - A.06	55.36	Tr050	5.35	30.09	30.59	30.51	30.64	0.005928	1.02	5.24	20.89	0.65
A.06_SP	Tracciato - A.06	55.36	Tr200	8.68	30.09	30.68	30.60	30.75	0.006604	1.20	7.24	24.54	0.71
A.06_SP	Tracciato - A.06	55.36	Tr500	11.11	30.09	30.72	30.65	30.81	0.007269	1.32	8.43	26.65	0.75
A.06_SP	Tracciato - A.06	35.36	Tr050	5.35	29.81	30.40		30.48	0.012046	1.22	4.37	22.57	0.89
A.06_SP	Tracciato - A.06	35.36	Tr200	8.68	29.81	30.48	30.46	30.57	0.012666	1.33	6.51	30.65	0.92
A.06_SP	Tracciato - A.06	35.36	Tr500	11.11	29.81	30.52	30.51	30.62	0.012623	1.39	7.98	35.15	0.93
A.06_SP	Tracciato - A.06	15.36	Tr050	5.35	29.50	30.11	30.11	30.20	0.015553	1.31	4.10	23.15	0.99
A.06_SP	Tracciato - A.06	15.36	Tr200	8.68	29.50	30.19	30.19	30.30	0.014575	1.46	5.94	27.04	1.00
A.06_SP	Tracciato - A.06	15.36	Tr500	11.11	29.50	30.23	30.23	30.35	0.013977	1.54	7.22	29.43	0.99
A.06_SP	Tracciato - A.06	1.06	Tr050	5.35	29.01	29.54	29.64	29.86	0.034644	2.49	2.15	8.31	1.57
A.06_SP	Tracciato - A.06	1.06	Tr200	8.68	29.01	29.68	29.77	30.00	0.025325	2.51	3.46	10.48	1.40
A.06_SP	Tracciato - A.06	1.06	Tr500	11.11	29.01	29.77	29.85	30.09	0.021229	2.49	4.46	11.97	1.30
A.05_SP	Tracciato - A.05	232.97	Tr050	0.26	40.86	41.04	41.05	41.08	0.040000	0.85	0.31	6.79	1.27
A.05_SP	Tracciato - A.05	232.97	Tr200	0.48	40.86	41.06	41.08	41.12	0.040008	1.02	0.47	7.76	1.33
A.05_SP	Tracciato - A.05	232.97	Tr500	0.63	40.86	41.08	41.09	41.14	0.040028	1.11	0.57	8.30	1.36
A.05_SP	Tracciato - A.05	213.97	Tr050	0.26	40.12	40.20	40.21	40.23	0.049559	0.77	0.34	9.99	1.35
A.05_SP	Tracciato - A.05	213.97	Tr200	0.48	40.12	40.22	40.23	40.27	0.050352	0.98	0.49	10.35	1.44
A.05_SP	Tracciato - A.05	213.97	Tr500	0.63	40.12	40.23	40.24	40.29	0.050604	1.08	0.58	10.56	1.47
A.05_SP	Tracciato - A.05	198.97	Tr050	0.26	38.77	38.88	38.93	39.05	0.139035	1.82	0.14	2.54	2.45
A.05_SP	Tracciato - A.05	198.97	Tr200	0.48	38.77	38.91	38.97	39.12	0.122998	2.03	0.24	3.26	2.40
A.05_SP	Tracciato - A.05	198.97	Tr500	0.63	38.77	38.93	39.00	39.16	0.117189	2.13	0.30	3.65	2.39
A.05_SP	Tracciato - A.05	189.05	Tr050	0.26	37.55	37.63	37.69	37.82	0.109982	1.94	0.13	1.76	2.25
A.05_SP	Tracciato - A.05	189.05	Tr200	0.48	37.55	37.67	37.75	37.96	0.109571	2.41	0.20	1.87	2.37
A.05_SP	Tracciato - A.05	189.05	Tr500	0.63	37.55	37.69	37.79	38.04	0.106851	2.63	0.24	1.94	2.39
A.05_SP	Tracciato - A.05	183.28	Tr050	0.26	37.31	37.43	37.45	37.51	0.027211	1.24	0.21	1.87	1.19
A.05_SP	Tracciato - A.05	183.28	Tr200	0.48	37.31	37.48	37.51	37.61	0.031172	1.60	0.30	2.01	1.32
A.05_SP	Tracciato - A.05	183.28	Tr500	0.63	37.31	37.51	37.55	37.67	0.033473	1.79	0.35	2.09	1.39
A.05_SP	Tracciato - A.05	175.38	Tr050	0.26	36.98	37.08	37.12	37.21	0.056904	1.58	0.16	1.80	1.67
A.05_SP	Tracciato - A.05	175.38	Tr200	0.48	36.98	37.13	37.18	37.30	0.048265	1.85	0.26	1.95	1.62
A.05_SP	Tracciato - A.05	175.38	Tr500	0.63	36.98	37.16	37.22	37.36	0.045351	1.98	0.32	2.04	1.61
A.05_SP	Tracciato - A.05	169.06	Tr050	0.26	36.71	36.82	36.86	36.94	0.032016	1.47	0.18	1.82	1.51
A.05_SP	Tracciato - A.05	169.06	Tr200	0.48	36.71	36.87	36.92	37.05	0.034963	1.88	0.26	1.95	1.65
A.05_SP	Tracciato - A.05	169.06	Tr500	0.63	36.71	36.89	36.96	37.11	0.035024	2.06	0.31	2.02	1.69
A.05_SP	Tracciato - A.05	158.47	Tr050	0.26	36.27	36.36	36.41	36.51	0.049860	1.71	0.15	1.74	1.85
A.05_SP	Tracciato - A.05	158.47	Tr200	0.48	36.27	36.41	36.48	36.62	0.044829	2.05	0.23	1.86	1.85
A.05_SP	Tracciato - A.05	158.47	Tr500	0.63	36.27	36.43	36.51	36.69	0.043932	2.24	0.28	1.93	1.87
A.05_SP	Tracciato - A.05	158		Culvert									
A.05_SP	Tracciato - A.05	109.97	Tr050	0.26	34.24	34.31	34.38	34.56	0.112597	2.21	0.12	1.72	2.70
A.05_SP	Tracciato - A.05	109.97	Tr200	0.48	34.24	34.35	34.44	34.71	0.102351	2.67	0.18	1.82	2.71
A.05_SP	Tracciato - A.05	109.97	Tr500	0.63	34.24	34.37	34.48	34.80	0.100547	2.92	0.22	1.88	2.75
A.05_SP	Tracciato - A.05	93.97	Tr050	0.26	33.70	33.82	33.84	33.90	0.018961	1.24	0.21	1.87	1.19
A.05_SP	Tracciato - A.05	93.97	Tr200	0.48	33.70	33.87	33.90	34.00	0.021206	1.59	0.30	2.02	1.31
A.05_SP	Tracciato - A.05	93.97	Tr500	0.63	33.70	33.90	33.94	34.06	0.022401	1.77	0.36	2.09	1.37
A.05_SP	Tracciato - A.05	53.98	Tr050	0.26	32.05	32.13	32.15	32.21	0.163153	1.32	0.20	6.38	2.41
A.05_SP	Tracciato - A.05	53.98	Tr200	0.48	32.05	32.14	32.18	32.25	0.137300	1.42	0.34	8.62	2.30
A.05_SP	Tracciato - A.05	53.98	Tr500	0.63	32.05	32.15	32.19	32.26	0.127447	1.46	0.43	10.00	2.25
A.05_SP	Tracciato - A.05	33.98	Tr050	0.26	30.07	30.15	30.17	30.21	0.067129	1.08	0.24	5.43	1.64
A.05_SP	Tracciato - A.05	33.98	Tr200	0.48	30.07	30.17	30.20	30.26	0.074533	1.35	0.36	6.26	1.80

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.04_bis_SP	Tracciato - A.04	96.43	Tr050	9.37	67.20	68.35		68.43	0.001625	1.20	7.78	8.48	0.40
A.04_bis_SP	Tracciato - A.04	96.43	Tr200	14.93	67.20	68.61		68.72	0.002005	1.49	10.04	9.24	0.46
A.04_bis_SP	Tracciato - A.04	96.43	Tr500	19.05	67.20	68.74		68.89	0.002346	1.69	11.37	13.65	0.50
A.04_bis_SP	Tracciato - A.04	86.43	Tr050	9.37	67.18	68.34		68.41	0.001611	1.20	7.80	8.46	0.40
A.04_bis_SP	Tracciato - A.04	86.43	Tr200	14.93	67.18	68.59		68.70	0.002017	1.49	10.01	9.21	0.46
A.04_bis_SP	Tracciato - A.04	86.43	Tr500	19.05	67.18	68.72		68.86	0.002391	1.70	11.21	9.59	0.50
A.04_bis_SP	Tracciato - A.04	76.43	Tr050	9.37	67.17	68.32		68.40	0.001644	1.21	7.75	8.46	0.40
A.04_bis_SP	Tracciato - A.04	76.43	Tr200	14.93	67.17	68.57		68.68	0.002081	1.51	9.91	9.19	0.46
A.04_bis_SP	Tracciato - A.04	76.43	Tr500	19.05	67.17	68.69		68.84	0.002495	1.72	11.04	9.56	0.51
A.04_bis_SP	Tracciato - A.04	56.43	Tr050	9.37	67.14	68.29		68.36	0.001665	1.21	7.71	8.44	0.41
A.04_bis_SP	Tracciato - A.04	56.43	Tr200	14.93	67.14	68.52		68.64	0.002173	1.53	9.75	9.14	0.47
A.04_bis_SP	Tracciato - A.04	56.43	Tr500	19.05	67.14	68.63		68.79	0.002692	1.77	10.75	9.46	0.53
A.04_bis_SP	Tracciato - A.04	36.43	Tr050	9.37	67.11	68.25		68.33	0.001685	1.22	7.68	8.43	0.41
A.04_bis_SP	Tracciato - A.04	36.43	Tr200	14.93	67.11	68.47		68.59	0.002287	1.56	9.58	9.08	0.48
A.04_bis_SP	Tracciato - A.04	36.43	Tr500	19.05	67.11	68.56		68.73	0.002968	1.84	10.38	9.34	0.56
A.04_bis_SP	Tracciato - A.04	16.43	Tr050	9.37	67.08	68.27		68.29	0.000597	0.78	16.39	35.90	0.25
A.04_bis_SP	Tracciato - A.04	16.43	Tr200	14.93	67.08	68.53		68.55	0.000427	0.76	26.12	40.63	0.22
A.04_bis_SP	Tracciato - A.04	16.43	Tr500	19.05	67.08	68.64		68.67	0.000430	0.81	30.99	42.46	0.22
A.04_bis_SP	Tracciato - A.04	0.53	Tr050	9.37	67.05	68.21	67.71	68.28	0.001402	1.18	8.58	16.59	0.38
A.04_bis_SP	Tracciato - A.04	0.53	Tr200	14.93	67.05	68.44	67.94	68.53	0.001402	1.37	14.01	30.77	0.39
A.04_bis_SP	Tracciato - A.04	0.53	Tr500	19.05	67.05	68.56	68.09	68.65	0.001401	1.45	18.56	41.75	0.40
A.04	Tracciato - A.04	543.84	Tr050	1.60	99.99	100.18	100.23	100.34	0.060014	1.75	0.91	5.92	1.43
A.04	Tracciato - A.04	543.84	Tr200	2.44	99.99	100.23	100.29	100.44	0.060013	2.01	1.21	6.37	1.48
A.04	Tracciato - A.04	543.84	Tr500	3.02	99.99	100.26	100.33	100.50	0.060012	2.16	1.40	6.63	1.50
A.04	Tracciato - A.04	524.01	Tr050	1.60	97.03	97.27	97.41	97.92	0.347045	3.56	0.45	3.74	3.29
A.04	Tracciato - A.04	524.01	Tr200	2.44	97.03	97.32	97.49	98.07	0.320008	3.84	0.64	4.45	3.25
A.04	Tracciato - A.04	524.01	Tr500	3.02	97.03	97.34	97.53	98.15	0.307112	3.99	0.76	4.86	3.23
A.04	Tracciato - A.04	504.01	Tr050	1.60	95.37	95.71	95.73	95.84	0.044438	1.60	1.00	5.96	1.24
A.04	Tracciato - A.04	504.01	Tr200	2.44	95.37	95.76	95.80	95.93	0.047062	1.80	1.35	7.00	1.31
A.04	Tracciato - A.04	504.01	Tr500	3.02	95.37	95.79	95.84	95.98	0.048578	1.90	1.59	7.78	1.34
A.04	Tracciato - A.04	484.05	Tr050	1.60	93.93	94.18	94.26	94.44	0.123720	2.25	0.71	5.44	1.99
A.04	Tracciato - A.04	484.05	Tr200	2.44	93.93	94.23	94.32	94.52	0.113285	2.41	1.01	6.57	1.96
A.04	Tracciato - A.04	484.05	Tr500	3.02	93.93	94.26	94.36	94.57	0.107899	2.49	1.21	7.22	1.94
A.04	Tracciato - A.04	464.06	Tr050	1.60	92.88	93.19	93.19	93.27	0.031740	1.24	1.29	8.76	1.03
A.04	Tracciato - A.04	464.06	Tr200	2.44	92.88	93.23	93.24	93.33	0.033796	1.41	1.73	10.15	1.09
A.04	Tracciato - A.04	464.06	Tr500	3.02	92.88	93.26	93.27	93.38	0.035056	1.51	2.00	10.92	1.12
A.04	Tracciato - A.04	444.06	Tr050	1.60	91.60	91.85	91.92	92.08	0.140505	2.14	0.75	6.84	2.07
A.04	Tracciato - A.04	444.06	Tr200	2.44	91.60	91.89	91.98	92.15	0.125009	2.24	1.09	8.52	2.00
A.04	Tracciato - A.04	444.06	Tr500	3.02	91.60	91.92	92.00	92.19	0.118001	2.28	1.32	9.62	1.97
A.04	Tracciato - A.04	424.07	Tr050	1.60	90.68	91.05	91.05	91.14	0.028717	1.36	1.18	6.45	1.01
A.04	Tracciato - A.04	424.07	Tr200	2.44	90.68	91.11	91.11	91.22	0.027149	1.48	1.65	7.64	1.01
A.04	Tracciato - A.04	424.07	Tr500	3.02	90.68	91.15	91.15	91.27	0.026388	1.54	1.96	8.32	1.01
A.04	Tracciato - A.04	404.07	Tr050	1.60	89.26	89.56	89.69	89.99	0.158496	2.90	0.55	3.45	2.32
A.04	Tracciato - A.04	404.07	Tr200	2.44	89.26	89.62	89.77	90.13	0.146948	3.14	0.78	4.08	2.29
A.04	Tracciato - A.04	404.07	Tr500	3.02	89.26	89.66	89.82	90.20	0.144734	3.25	0.93	4.59	2.30
A.04	Tracciato - A.04	384.08	Tr050	1.60	88.27	88.66	88.67	88.77	0.028639	1.42	1.13	5.72	1.02
A.04	Tracciato - A.04	384.08	Tr200	2.44	88.27	88.73	88.74	88.86	0.030660	1.62	1.51	6.64	1.08
A.04	Tracciato - A.04	384.08	Tr500	3.02	88.27	88.76	88.78	88.91	0.031454	1.71	1.77	7.29	1.11
A.04	Tracciato - A.04	364.08	Tr050	1.60	87.18	87.41	87.49	87.66	0.141936	2.22	0.72	6.30	2.09
A.04	Tracciato - A.04	364.08	Tr200	2.44	87.18	87.45	87.54	87.74	0.127166	2.36	1.03	7.53	2.04
A.04	Tracciato - A.04	364.08	Tr500	3.02	87.18	87.48	87.58	87.79	0.122091	2.46	1.23	8.22	2.03
A.04	Tracciato - A.04	344.08	Tr050	1.60	85.60	85.97	86.01	86.13	0.046355	1.79	0.89	4.60	1.30
A.04	Tracciato - A.04	344.08	Tr200	2.44	85.60	86.03	86.09	86.24	0.048236	2.02	1.21	5.32	1.36
A.04	Tracciato - A.04	344.08	Tr500	3.02	85.60	86.07	86.13	86.30	0.048684	2.14	1.41	5.73	1.38
A.04	Tracciato - A.04	324.08	Tr050	1.60	84.47	84.82	84.88	85.02	0.067289	2.00	0.80	4.65	1.53
A.04	Tracciato - A.04	324.08	Tr200	2.44	84.47	84.88	84.95	85.12	0.064893	2.19	1.12	5.48	1.55
A.04	Tracciato - A.04	324.08	Tr500	3.02	84.47	84.91	85.00	85.18	0.064381	2.30	1.31	5.94	1.56
A.04	Tracciato - A.04	304.08	Tr050	1.60	83.33	83.70	83.74	83.86	0.049107	1.80	0.89	4.75	1.33
A.04	Tracciato - A.04	304.08	Tr200	2.44	83.33	83.76	83.82	83.97	0.050490	2.03	1.20	5.44	1.38
A.04	Tracciato - A.04	304.08	Tr500	3.02	83.33	83.80	83.86	84.03	0.050852	2.16	1.40	5.84	1.41
A.04	Tracciato - A.04	284.08	Tr050	1.60	82.50	82.85	82.87	82.98	0.039218	1.56	1.03	5.79	1.18
A.04	Tracciato - A.04	284.08	Tr200	2.44	82.50	82.91	82.94	83.07	0.039197	1.73	1.41	6.78	1.21
A.04	Tracciato - A.04	284.08	Tr500	3.02	82.50	82.95	82.98	83.12	0.039499	1.83	1.65	7.33	1.23
A.04	Tracciato - A.04	264.08	Tr050	1.60	81.58	81.83	81.87	81.96	0.067328	1.64	0.97	7.64	1.47
A.04	Tracciato - A.04	264.08	Tr200	2.44	81.58	81.87	81.92	82.04	0.068822	1.85	1.32	8.75	1.53
A.04	Tracciato - A.04	264.08	Tr500	3.02	81.58	81.89	81.95	82.09	0.069019	1.96	1.54	9.41	1.55
A.04	Tracciato - A.04	244.08	Tr050	1.60	80.72	81.07	81.07	81.16	0.029216	1.32	1.21	6.96	1.02
A.04	Tracciato - A.04	244.08	Tr200	2.44	80.72	81.13	81.13	81.24	0.027577	1.44	1.69	8.25	1.01
A.04	Tracciato - A.04	244.08	Tr500	3.02	80.72	81.14	81.17	81.29	0.038982	1.73	1.75	8.37	1.21

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.04	Tracciato - A.04	224.08	Tr050	1.60	80.07	80.26	80.29	80.37	0.055308	1.47	1.09	8.58	1.31
A.04	Tracciato - A.04	224.08	Tr200	2.44	80.07	80.30	80.34	80.45	0.059784	1.73	1.41	9.15	1.41
A.04	Tracciato - A.04	224.08	Tr500	3.02	80.07	80.34	80.37	80.48	0.041694	1.64	1.85	9.88	1.21
A.04	Tracciato - A.04	204.09	Tr050	1.60	79.56	79.77	79.77	79.84	0.031734	1.16	1.43	11.12	1.01
A.04	Tracciato - A.04	204.09	Tr200	2.44	79.56	79.82	79.82	79.90	0.029496	1.31	1.90	11.37	1.02
A.04	Tracciato - A.04	204.09	Tr500	3.02	79.56	79.84	79.84	79.94	0.027868	1.39	2.21	11.52	1.01
A.04	Tracciato - A.04	185.05	Tr050	1.60	78.10	78.20	78.27	78.47	0.271414	2.80	0.73	11.16	2.80
A.04	Tracciato - A.04	185.05	Tr200	2.44	78.10	78.22	78.31	78.59	0.284023	3.18	0.94	11.19	2.94
A.04	Tracciato - A.04	185.05	Tr500	3.02	78.10	78.23	78.33	78.66	0.293732	3.41	1.06	11.21	3.03
A.04	Tracciato - A.04	158.09	Tr050	1.60	75.24	75.54	75.60	75.78	0.051168	2.18	0.74	2.90	1.38
A.04	Tracciato - A.04	158.09	Tr200	2.44	75.24	75.63	75.71	75.93	0.048948	2.45	1.00	3.16	1.39
A.04	Tracciato - A.04	158.09	Tr500	3.02	75.24	75.68	75.77	76.02	0.047750	2.59	1.17	3.32	1.39
A.04	Tracciato - A.04	142.4	Tr050	1.60	74.67	75.03	75.04	75.19	0.026850	1.74	0.92	3.08	1.02
A.04	Tracciato - A.04	142.4	Tr200	2.44	74.67	75.13	75.14	75.33	0.028044	2.01	1.21	3.36	1.07
A.04	Tracciato - A.04	142.4	Tr500	3.02	74.67	75.18	75.20	75.42	0.028749	2.16	1.40	3.52	1.10
A.04	Tracciato - A.04	132.46	Tr050	1.60	74.31	74.63	74.68	74.84	0.044349	2.07	0.77	2.94	1.29
A.04	Tracciato - A.04	132.46	Tr200	2.44	74.31	74.72	74.78	74.99	0.041604	2.31	1.06	3.21	1.29
A.04	Tracciato - A.04	132.46	Tr500	3.02	74.31	74.77	74.85	75.08	0.040287	2.44	1.24	3.38	1.29
A.04	Tracciato - A.04	112.88	Tr050	1.60	73.60	73.95	73.97	74.12	0.030055	1.81	0.88	3.05	1.08
A.04	Tracciato - A.04	112.88	Tr200	2.44	73.60	74.04	74.07	74.27	0.031711	2.10	1.16	3.31	1.13
A.04	Tracciato - A.04	112.88	Tr500	3.02	73.60	74.09	74.14	74.35	0.032626	2.26	1.33	3.47	1.16
A.04	Tracciato - A.04	97.57	Tr050	1.60	73.05	73.37	73.42	73.58	0.041589	2.03	0.79	2.96	1.25
A.04	Tracciato - A.04	97.57	Tr200	2.44	73.05	73.61	73.52	73.73	0.013429	1.55	1.57	3.66	0.76
A.04	Tracciato - A.04	97.57	Tr500	3.02	73.05	73.76	73.58	73.86	0.008479	1.40	2.16	4.11	0.62
A.04	Tracciato - A.04	88.62	Tr050	1.60	72.73	73.40	73.09	73.43	0.002811	0.79	2.03	4.02	0.35
A.04	Tracciato - A.04	88.62	Tr200	2.44	72.73	73.63	73.20	73.66	0.002175	0.81	3.02	4.71	0.32
A.04	Tracciato - A.04	88.62	Tr500	3.02	72.73	73.77	73.26	73.80	0.001884	0.81	3.72	5.13	0.30
A.04	Tracciato - A.04	85		Culvert									
A.04	Tracciato - A.04	76.9	Tr050	1.60	72.30	72.62	72.67	72.83	0.042068	2.04	0.79	2.95	1.26
A.04	Tracciato - A.04	76.9	Tr200	2.44	72.30	72.73	72.77	72.97	0.035724	2.19	1.11	3.27	1.20
A.04	Tracciato - A.04	76.9	Tr500	3.02	72.30	72.79	72.84	73.05	0.032334	2.26	1.34	3.47	1.16
A.04	Tracciato - A.04	70.66	Tr050	1.60	72.08	72.42	72.44	72.60	0.031181	1.84	0.87	3.02	1.09
A.04	Tracciato - A.04	70.66	Tr200	2.44	72.08	72.50	72.55	72.75	0.036474	2.21	1.10	3.24	1.21
A.04	Tracciato - A.04	70.66	Tr500	3.02	72.08	72.55	72.61	72.84	0.036335	2.35	1.28	3.40	1.22
A.04	Tracciato - A.04	60.77	Tr050	1.60	71.72	72.04	72.09	72.25	0.039682	1.99	0.80	2.97	1.23
A.04	Tracciato - A.04	60.77	Tr200	2.44	71.72	72.14	72.19	72.39	0.036010	2.20	1.11	3.27	1.20
A.04	Tracciato - A.04	60.77	Tr500	3.02	71.72	72.20	72.25	72.47	0.035735	2.34	1.29	3.43	1.22
A.04	Tracciato - A.04	47.29	Tr050	1.60	71.23	71.57	71.60	71.75	0.033095	1.87	0.85	3.02	1.13
A.04	Tracciato - A.04	47.29	Tr200	2.44	71.23	71.65	71.70	71.90	0.036009	2.20	1.11	3.27	1.20
A.04	Tracciato - A.04	47.29	Tr500	3.02	71.23	71.70	71.77	71.99	0.036733	2.36	1.28	3.42	1.23
A.04	Tracciato - A.04	21.15	Tr050	1.60	70.29	70.61	70.65	70.81	0.038975	1.98	0.81	2.97	1.22
A.04	Tracciato - A.04	21.15	Tr200	2.44	70.29	70.71	70.76	70.96	0.036399	2.21	1.11	3.26	1.21
A.04	Tracciato - A.04	21.15	Tr500	3.02	70.29	70.76	70.82	71.04	0.035666	2.34	1.29	3.43	1.21
A.04	Tracciato - A.04	0.2	Tr050	1.60	69.53	69.87	69.89	70.05	0.033643	1.88	0.85	3.02	1.13
A.04	Tracciato - A.04	0.2	Tr200	2.44	69.53	69.95	70.00	70.20	0.036018	2.20	1.11	3.27	1.20
A.04	Tracciato - A.04	0.2	Tr500	3.02	69.53	70.00	70.06	70.29	0.036700	2.36	1.28	3.42	1.23
A.03.bis	A.03.bis	1469.75	Tr050	1.72	66.61	67.35	67.25	67.44	0.006818	1.34	1.29	3.50	0.70
A.03.bis	A.03.bis	1469.75	Tr200	3.06	66.61	67.49	67.41	67.63	0.008033	1.64	1.86	4.21	0.79
A.03.bis	A.03.bis	1469.75	Tr500	4.10	66.61	67.58	67.51	67.75	0.008659	1.81	2.26	4.67	0.83
A.03.bis	A.03.bis	1450.82	Tr050	1.72	66.61	67.24		67.31	0.006030	1.21	1.43	4.28	0.67
A.03.bis	A.03.bis	1450.82	Tr200	3.06	66.61	67.35		67.47	0.008338	1.57	1.95	5.01	0.80
A.03.bis	A.03.bis	1450.82	Tr500	4.10	66.61	67.41	67.37	67.58	0.009938	1.80	2.27	5.43	0.89
A.03.bis	A.03.bis	1430.82	Tr050	1.72	66.61	67.02	67.02	67.12	0.015666	1.43	1.20	5.87	1.01
A.03.bis	A.03.bis	1430.82	Tr200	3.06	66.61	67.12	67.12	67.26	0.014543	1.61	1.90	7.37	1.01
A.03.bis	A.03.bis	1430.82	Tr500	4.10	66.61	67.19	67.19	67.34	0.013958	1.71	2.40	8.26	1.01
A.03.bis	A.03.bis	1410.82	Tr050	1.72	66.39	66.73	66.71	66.80	0.011974	1.16	1.48	8.16	0.87
A.03.bis	A.03.bis	1410.82	Tr200	3.06	66.39	66.86	66.80	66.93	0.007171	1.13	2.71	10.59	0.71
A.03.bis	A.03.bis	1410.82	Tr500	4.10	66.39	66.95	66.85	67.01	0.005193	1.11	3.68	11.51	0.63
A.03.bis	A.03.bis	1390.84	Tr050	1.72	65.89	66.38	66.38	66.53	0.014611	1.72	1.00	3.37	1.01
A.03.bis	A.03.bis	1390.84	Tr200	3.06	65.89	66.53	66.53	66.72	0.013526	1.95	1.57	4.15	1.01
A.03.bis	A.03.bis	1390.84	Tr500	4.10	65.89	66.63	66.63	66.84	0.012929	2.06	1.99	4.63	1.01
A.03.bis	A.03.bis	1370.85	Tr050	1.72	65.82	66.34	66.14	66.36	0.001851	0.67	2.55	7.80	0.38
A.03.bis	A.03.bis	1370.85	Tr200	3.06	65.82	66.46	66.24	66.50	0.002251	0.85	3.61	9.03	0.43
A.03.bis	A.03.bis	1370.85	Tr500	4.10	65.82	66.54	66.31	66.58	0.002454	0.95	4.33	9.78	0.46
A.03.bis	A.03.bis	1350.85	Tr050	1.72	65.82	66.26		66.30	0.004490	0.93	1.85	6.78	0.57
A.03.bis	A.03.bis	1350.85	Tr200	3.06	65.82	66.35		66.42	0.006259	1.23	2.49	7.71	0.69
A.03.bis	A.03.bis	1350.85	Tr500	4.10	65.82	66.39		66.50	0.007903	1.45	2.83	8.17	0.79
A.03.bis	A.03.bis	1330.85	Tr050	1.72	65.82	66.26		66.27	0.000561	0.30	5.68	23.79	0.20
A.03.bis	A.03.bis	1330.85	Tr200	3.06	65.82	66.37		66.37	0.000609	0.36	8.50	29.24	0.21

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.03.bis	A.03.bis	1330.85	Tr500	4.10	65.82	66.43		66.43	0.000647	0.40	10.33	32.12	0.22
A.03.bis	A.03.bis	1310.85	Tr050	1.72	65.82	66.24		66.25	0.001168	0.39	4.43	22.21	0.28
A.03.bis	A.03.bis	1310.85	Tr200	3.06	65.82	66.35		66.36	0.001096	0.42	7.23	30.32	0.28
A.03.bis	A.03.bis	1310.85	Tr500	4.10	65.82	66.41		66.42	0.001072	0.45	9.17	34.85	0.28
A.03.bis	A.03.bis	1290.86	Tr050	1.72	65.54	66.23		66.23	0.000741	0.33	5.19	23.34	0.22
A.03.bis	A.03.bis	1290.86	Tr200	3.06	65.54	66.33		66.34	0.000780	0.38	8.05	30.61	0.24
A.03.bis	A.03.bis	1290.86	Tr500	4.10	65.54	66.39		66.40	0.000820	0.41	10.00	35.26	0.25
A.03.bis	A.03.bis	1270.86	Tr050	1.72	65.57	66.21		66.21	0.001130	0.38	4.52	22.64	0.27
A.03.bis	A.03.bis	1270.86	Tr200	3.06	65.57	66.31		66.32	0.001053	0.41	7.38	30.81	0.27
A.03.bis	A.03.bis	1270.86	Tr500	4.10	65.57	66.37		66.38	0.001037	0.44	9.32	35.31	0.27
A.03.bis	A.03.bis	1250.87	Tr050	1.72	65.62	66.17		66.18	0.001701	0.50	3.47	15.96	0.34
A.03.bis	A.03.bis	1250.87	Tr200	3.06	65.62	66.28		66.29	0.001805	0.56	5.45	21.72	0.36
A.03.bis	A.03.bis	1250.87	Tr500	4.10	65.62	66.33		66.35	0.001928	0.60	6.78	25.39	0.37
A.03.bis	A.03.bis	1230.91	Tr050	1.72	65.62	66.01	66.01	66.10	0.015606	1.36	1.26	6.69	1.00
A.03.bis	A.03.bis	1230.91	Tr200	3.06	65.62	66.11	66.11	66.20	0.016244	1.36	2.26	12.41	1.02
A.03.bis	A.03.bis	1230.91	Tr500	4.10	65.62	66.16	66.16	66.26	0.016151	1.40	2.92	15.22	1.02
A.03.bis	A.03.bis	1210.91	Tr050	1.72	65.11	65.48	65.53	65.66	0.031500	1.88	0.91	5.03	1.41
A.03.bis	A.03.bis	1210.91	Tr200	3.06	65.11	65.58	65.64	65.78	0.027535	1.96	1.56	7.34	1.35
A.03.bis	A.03.bis	1210.91	Tr500	4.10	65.11	65.64	65.70	65.85	0.025694	2.02	2.03	8.63	1.33
A.03.bis	A.03.bis	1190.92	Tr050	1.72	65.11	65.38	65.35	65.42	0.009251	0.85	2.03	14.97	0.73
A.03.bis	A.03.bis	1190.92	Tr200	3.06	65.11	65.42	65.41	65.49	0.013837	1.14	2.69	17.23	0.92
A.03.bis	A.03.bis	1190.92	Tr500	4.10	65.11	65.45	65.45	65.53	0.015339	1.27	3.23	18.85	0.98
A.03.bis	A.03.bis	1170.92	Tr050	1.72	64.91	65.24	65.20	65.26	0.006189	0.63	2.75	23.45	0.58
A.03.bis	A.03.bis	1170.92	Tr200	3.06	64.91	65.31	65.24	65.33	0.004337	0.70	4.36	23.93	0.53
A.03.bis	A.03.bis	1170.92	Tr500	4.10	64.91	65.35	65.27	65.38	0.003837	0.76	5.42	24.24	0.51
A.03.bis	A.03.bis	1150.93	Tr050	1.72	64.63	64.98	64.98	65.07	0.015987	1.31	1.31	7.47	1.00
A.03.bis	A.03.bis	1150.93	Tr200	3.06	64.63	65.07	65.07	65.18	0.014629	1.45	2.11	9.76	0.99
A.03.bis	A.03.bis	1150.93	Tr500	4.10	64.63	65.14	65.12	65.25	0.011998	1.48	2.78	10.71	0.93
A.03.bis	A.03.bis	1130.95	Tr050	1.72	64.30	64.76	64.70	64.82	0.007597	1.09	1.58	6.80	0.72
A.03.bis	A.03.bis	1130.95	Tr200	3.06	64.30	64.86	64.81	64.95	0.008327	1.30	2.35	8.29	0.78
A.03.bis	A.03.bis	1130.95	Tr500	4.10	64.30	64.94		65.03	0.009719	1.34	3.06	11.62	0.84
A.03.bis	A.03.bis	1110.96	Tr050	1.72	64.27	64.65	64.57	64.69	0.005471	0.88	1.96	9.25	0.61
A.03.bis	A.03.bis	1110.96	Tr200	3.06	64.27	64.73	64.66	64.79	0.006938	1.10	2.78	11.10	0.70
A.03.bis	A.03.bis	1110.96	Tr500	4.10	64.27	64.77	64.71	64.85	0.007745	1.23	3.33	12.18	0.75
A.03.bis	A.03.bis	1090.97	Tr050	1.72	64.14	64.43	64.43	64.50	0.017130	1.23	1.40	9.41	1.01
A.03.bis	A.03.bis	1090.97	Tr200	3.06	64.14	64.52	64.50	64.60	0.013169	1.29	2.38	12.19	0.93
A.03.bis	A.03.bis	1090.97	Tr500	4.10	64.14	64.57	64.55	64.66	0.011815	1.33	3.08	13.86	0.90
A.03.bis	A.03.bis	1070.97	Tr050	1.72	63.99	64.36	64.23	64.37	0.002644	0.61	2.82	13.21	0.42
A.03.bis	A.03.bis	1070.97	Tr200	3.06	63.99	64.44		64.47	0.003052	0.75	4.10	15.86	0.47
A.03.bis	A.03.bis	1070.97	Tr500	4.10	63.99	64.50		64.53	0.003275	0.82	4.98	17.50	0.49
A.03.bis	A.03.bis	1050.97	Tr050	1.72	63.99	64.32		64.33	0.001608	0.46	3.71	18.11	0.33
A.03.bis	A.03.bis	1050.97	Tr200	3.06	63.99	64.41		64.42	0.001846	0.57	5.40	21.61	0.36
A.03.bis	A.03.bis	1050.97	Tr500	4.10	63.99	64.46		64.48	0.001955	0.62	6.57	23.72	0.38
A.03.bis	A.03.bis	1030.98	Tr050	1.72	63.99	64.24		64.27	0.006189	0.78	2.21	13.58	0.62
A.03.bis	A.03.bis	1030.98	Tr200	3.06	63.99	64.30		64.35	0.007772	0.99	3.10	15.85	0.71
A.03.bis	A.03.bis	1030.98	Tr500	4.10	63.99	64.34		64.40	0.008723	1.11	3.68	17.18	0.77
A.03.bis	A.03.bis	1010.98	Tr050	1.72	63.99	64.11		64.13	0.007735	0.66	2.60	24.30	0.64
A.03.bis	A.03.bis	1010.98	Tr200	3.06	63.99	64.15		64.19	0.008196	0.82	3.72	26.07	0.70
A.03.bis	A.03.bis	1010.98	Tr500	4.10	63.99	64.18		64.23	0.008128	0.91	4.52	27.28	0.71
A.03.bis	A.03.bis	990.98	Tr050	1.72	63.72	63.85	63.85	63.89	0.020017	0.95	1.81	20.11	1.01
A.03.bis	A.03.bis	990.98	Tr200	3.06	63.72	63.89	63.89	63.95	0.018120	1.10	2.78	22.82	1.01
A.03.bis	A.03.bis	990.98	Tr500	4.10	63.72	63.92	63.92	63.99	0.017264	1.19	3.46	24.56	1.01
A.03.bis	A.03.bis	970.98	Tr050	1.72	62.93	63.19	63.24	63.34	0.038791	1.70	1.01	7.69	1.49
A.03.bis	A.03.bis	970.98	Tr200	3.06	62.93	63.26	63.32	63.45	0.036201	1.90	1.61	9.80	1.50
A.03.bis	A.03.bis	970.98	Tr500	4.10	62.93	63.30	63.36	63.51	0.034152	2.00	2.05	11.12	1.48
A.03.bis	A.03.bis	950.99	Tr050	1.72	62.44	62.75	62.75	62.83	0.017007	1.26	1.36	8.72	1.02
A.03.bis	A.03.bis	950.99	Tr200	3.06	62.44	62.82	62.83	62.93	0.017867	1.48	2.06	10.72	1.08
A.03.bis	A.03.bis	950.99	Tr500	4.10	62.44	62.86	62.88	62.99	0.018578	1.62	2.54	11.94	1.12
A.03.bis	A.03.bis	930.99	Tr050	1.72	61.43	61.81	61.94	62.21	0.062627	2.78	0.62	3.10	1.99
A.03.bis	A.03.bis	930.99	Tr200	3.06	61.43	61.94	62.09	62.36	0.045823	2.86	1.07	4.05	1.78
A.03.bis	A.03.bis	930.99	Tr500	4.10	61.43	62.03	62.17	62.44	0.040484	2.83	1.45	5.09	1.70
A.03.bis	A.03.bis	910.99	Tr050	1.72	61.16	61.54	61.54	61.63	0.016682	1.31	1.31	7.80	1.02
A.03.bis	A.03.bis	910.99	Tr200	3.06	61.16	61.62	61.63	61.74	0.017239	1.52	2.01	9.76	1.07
A.03.bis	A.03.bis	910.99	Tr500	4.10	61.16	61.66	61.68	61.81	0.019929	1.73	2.38	10.64	1.17
A.03.bis	A.03.bis	890.99	Tr050	1.72	60.31	60.62	60.73	60.98	0.079090	2.65	0.65	4.25	2.17
A.03.bis	A.03.bis	890.99	Tr200	3.06	60.31	60.71	60.83	61.11	0.063867	2.83	1.08	5.49	2.04
A.03.bis	A.03.bis	890.99	Tr500	4.10	60.31	60.77	60.90	61.18	0.052313	2.82	1.45	6.36	1.89
A.03.bis	A.03.bis	870.99	Tr050	1.72	59.78	60.19	60.21	60.33	0.018936	1.64	1.05	4.77	1.12
A.03.bis	A.03.bis	870.99	Tr200	3.06	59.78	60.32	60.33	60.48	0.015670	1.78	1.72	6.03	1.06

HEC-RAS Plan: CA366_SP (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.03.bis	A.03.bis	870.99	Tr500	4.10	59.78	60.38	60.40	60.57	0.016369	1.95	2.11	6.64	1.10
A.03.bis	A.03.bis	850.99	Tr050	1.72	58.27	58.52	58.69	59.36	0.221689	4.05	0.42	3.20	3.54
A.03.bis	A.03.bis	850.99	Tr200	3.06	58.27	58.59	58.81	59.63	0.200965	4.51	0.68	4.04	3.51
A.03.bis	A.03.bis	850.99	Tr500	4.10	58.27	58.64	58.88	59.72	0.174321	4.60	0.89	4.63	3.34
A.03.bis	A.03.bis	831	Tr050	1.72	57.09	57.51	57.22	57.52	0.000299	0.31	5.59	14.18	0.16
A.03.bis	A.03.bis	831	Tr200	3.06	57.09	57.68	57.27	57.68	0.000317	0.39	7.94	14.95	0.17
A.03.bis	A.03.bis	831	Tr500	4.10	57.09	57.77	57.31	57.78	0.000337	0.44	9.42	15.41	0.18
A.03.bis	A.03.bis	811.01	Tr050	1.72	56.87	57.37	57.37	57.49	0.014496	1.56	1.10	4.46	1.00
A.03.bis	A.03.bis	811.01	Tr200	3.06	56.87	57.49	57.49	57.65	0.013345	1.74	1.75	5.62	1.00
A.03.bis	A.03.bis	811.01	Tr500	4.10	56.87	57.57	57.57	57.75	0.012859	1.85	2.22	6.31	1.00
A.03.bis	A.03.bis	771	Tr050	1.72	55.08	55.25	55.37	55.88	0.302842	3.51	0.49	5.83	3.87
A.03.bis	A.03.bis	771	Tr200	3.06	55.08	55.29	55.44	56.12	0.301535	4.05	0.76	7.26	4.00
A.03.bis	A.03.bis	771	Tr500	4.10	55.08	55.31	55.49	56.26	0.295102	4.31	0.95	8.16	4.04
A.03.bis	A.03.bis	751	Tr050	1.72	54.92	55.11	55.11	55.17	0.018187	1.10	1.56	12.88	1.01
A.03.bis	A.03.bis	751	Tr200	3.06	54.92	55.17	55.17	55.25	0.016716	1.25	2.45	15.65	1.01
A.03.bis	A.03.bis	751	Tr500	4.10	54.92	55.21	55.21	55.30	0.016040	1.33	3.08	17.36	1.01
A.03.bis	A.03.bis	731	Tr050	1.72	53.57	53.83	53.95	54.33	0.147106	3.15	0.55	4.43	2.87
A.03.bis	A.03.bis	731	Tr200	3.06	53.57	53.90	54.05	54.49	0.119045	3.43	0.89	5.46	2.70
A.03.bis	A.03.bis	731	Tr500	4.10	53.57	53.94	54.11	54.58	0.105915	3.55	1.16	6.14	2.61
A.03.bis	A.03.bis	711.01	Tr050	1.72	53.19	53.95	53.68	53.97	0.001237	0.58	2.98	8.47	0.31
A.03.bis	A.03.bis	711.01	Tr200	3.06	53.19	54.14	53.80	54.16	0.001154	0.65	4.73	10.74	0.31
A.03.bis	A.03.bis	711.01	Tr500	4.10	53.19	54.24	53.87	54.27	0.001111	0.69	5.97	12.07	0.31
A.03.bis	A.03.bis	691.01	Tr050	1.72	53.19	53.75	53.75	53.90	0.014839	1.70	1.01	3.53	1.01
A.03.bis	A.03.bis	691.01	Tr200	3.06	53.19	53.90	53.90	54.09	0.013755	1.91	1.60	4.44	1.01
A.03.bis	A.03.bis	691.01	Tr500	4.10	53.19	53.99	53.99	54.20	0.012826	2.00	2.05	5.02	1.00
A.03.bis	A.03.bis	671.02	Tr050	1.72	52.99	53.59	53.26	53.60	0.000612	0.42	4.12	11.34	0.22
A.03.bis	A.03.bis	671.02	Tr200	3.06	52.99	53.75	53.36	53.76	0.000669	0.50	6.13	13.78	0.24
A.03.bis	A.03.bis	671.02	Tr500	4.10	52.99	53.84	53.42	53.86	0.000696	0.55	7.51	15.23	0.25
A.03.bis	A.03.bis	651.02	Tr050	1.72	52.99	53.57		53.58	0.000725	0.44	3.94	11.56	0.24
A.03.bis	A.03.bis	651.02	Tr200	3.06	52.99	53.73		53.74	0.000750	0.51	6.01	14.29	0.25
A.03.bis	A.03.bis	651.02	Tr500	4.10	52.99	53.83		53.84	0.000760	0.55	7.44	15.93	0.26
A.03.bis	A.03.bis	631.02	Tr050	1.72	52.92	53.41	53.41	53.53	0.013970	1.53	1.13	4.58	0.98
A.03.bis	A.03.bis	631.02	Tr200	3.06	52.92	53.53	53.53	53.69	0.013864	1.76	1.74	5.69	1.01
A.03.bis	A.03.bis	631.02	Tr500	4.10	52.92	53.61	53.61	53.79	0.013363	1.86	2.20	6.39	1.01
A.03.bis	A.03.bis	611.02	Tr050	1.72	52.81	53.26	53.20	53.31	0.007796	1.01	1.70	8.38	0.72
A.03.bis	A.03.bis	611.02	Tr200	3.06	52.81	53.43	53.29	53.47	0.003696	0.88	3.49	12.20	0.52
A.03.bis	A.03.bis	611.02	Tr500	4.10	52.81	53.53	53.35	53.57	0.002801	0.85	4.81	14.26	0.47
A.03.bis	A.03.bis	610		Culvert									
A.03.bis	A.03.bis	591.02	Tr050	1.72	52.65	53.17	53.17	53.29	0.015389	1.50	1.14	5.10	1.01
A.03.bis	A.03.bis	591.02	Tr200	3.06	52.65	53.29	53.29	53.42	0.014657	1.63	1.88	7.19	1.02
A.03.bis	A.03.bis	591.02	Tr500	4.10	52.65	53.36	53.36	53.51	0.014206	1.71	2.40	8.36	1.02
A.03.bis	A.03.bis	571.02	Tr050	1.72	51.95	52.11	52.22	52.55	0.148001	2.95	0.58	5.28	2.83
A.03.bis	A.03.bis	571.02	Tr200	3.06	51.95	52.16	52.31	52.73	0.126392	3.33	0.92	6.15	2.75
A.03.bis	A.03.bis	571.02	Tr500	4.10	51.95	52.20	52.37	52.84	0.116903	3.53	1.16	6.70	2.71
A.03.bis	A.03.bis	551.02	Tr050	1.72	51.71	52.01	52.01	52.08	0.017603	1.18	1.45	10.48	1.01
A.03.bis	A.03.bis	551.02	Tr200	3.06	51.71	52.08	52.08	52.17	0.016104	1.36	2.24	12.21	1.02
A.03.bis	A.03.bis	551.02	Tr500	4.10	51.71	52.12	52.12	52.23	0.015344	1.46	2.81	13.31	1.02
A.03.bis	A.03.bis	531.03	Tr050	1.72	51.23	51.82	51.66	51.85	0.003079	0.79	2.17	7.67	0.47
A.03.bis	A.03.bis	531.03	Tr200	3.06	51.23	51.95	51.78	51.99	0.003232	0.93	3.30	9.52	0.50
A.03.bis	A.03.bis	531.03	Tr500	4.10	51.23	52.03	51.84	52.08	0.003317	1.00	4.09	10.70	0.52
A.03.bis	A.03.bis	511.03	Tr050	1.72	51.20	51.68	51.63	51.75	0.007960	1.14	1.50	6.21	0.74
A.03.bis	A.03.bis	511.03	Tr200	3.06	51.20	51.80	51.74	51.89	0.008017	1.32	2.32	7.79	0.77
A.03.bis	A.03.bis	511.03	Tr500	4.10	51.20	51.87	51.81	51.97	0.007993	1.41	2.91	8.79	0.78
A.03.bis	A.03.bis	510		Bridge									
A.03.bis	A.03.bis	491.03	Tr050	1.72	50.65	51.07	51.07	51.18	0.015575	1.46	1.18	5.56	1.01
A.03.bis	A.03.bis	491.03	Tr200	3.06	50.65	51.18	51.18	51.32	0.014436	1.64	1.87	7.00	1.01
A.03.bis	A.03.bis	491.03	Tr500	4.10	50.65	51.25	51.25	51.40	0.013846	1.73	2.36	7.88	1.01
A.03.bis	A.03.bis	471.03	Tr050	1.72	49.05	49.41	49.63	50.37	0.167158	4.33	0.40	2.09	3.17
A.03.bis	A.03.bis	471.03	Tr200	3.06	49.05	49.53	49.79	50.58	0.129028	4.55	0.67	2.70	2.91
A.03.bis	A.03.bis	471.03	Tr500	4.10	49.05	49.60	49.89	50.70	0.112473	4.65	0.88	3.09	2.78
A.03.bis	A.03.bis	451.03	Tr050	1.72	48.13	48.61	48.69	48.87	0.033749	2.29	0.75	3.15	1.50
A.03.bis	A.03.bis	451.03	Tr200	3.06	48.13	48.71	48.83	49.10	0.038146	2.79	1.10	3.74	1.64
A.03.bis	A.03.bis	451.03	Tr500	4.10	48.13	48.77	48.93	49.25	0.040477	3.08	1.33	4.09	1.72
A.03.bis	A.03.bis	431.03	Tr050	1.72	47.95	48.16	48.18	48.28	0.022617	1.54	1.12	6.49	1.19
A.03.bis	A.03.bis	431.03	Tr200	3.06	47.95	48.23	48.28	48.43	0.025519	1.97	1.55	6.81	1.32
A.03.bis	A.03.bis	431.03	Tr500	4.10	47.95	48.27	48.34	48.52	0.027192	2.23	1.84	7.01	1.39
A.03.bis	A.03.bis	411.03	Tr050	1.72	46.83	47.20	47.32	47.56	0.061570	2.65	0.65	3.48	1.96
A.03.bis	A.03.bis	411.03	Tr200	3.06	46.83	47.31	47.44	47.72	0.049343	2.81	1.09	4.50	1.83

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.03.bis	A.03.bis	411.03	Tr500	4.10	46.83	47.38	47.52	47.82	0.045108	2.93	1.40	5.10	1.78
A.03.bis	A.03.bis	391.03	Tr050	1.72	46.26	46.96	46.78	47.00	0.003041	0.89	1.94	5.60	0.48
A.03.bis	A.03.bis	391.03	Tr200	3.06	46.26	47.11	46.92	47.17	0.003415	1.07	2.87	6.83	0.53
A.03.bis	A.03.bis	391.03	Tr500	4.10	46.26	47.20	47.00	47.27	0.003603	1.17	3.50	7.56	0.55
A.03.bis	A.03.bis	371.03	Tr050	1.72	46.26	46.75	46.75	46.88	0.015067	1.57	1.09	4.45	1.01
A.03.bis	A.03.bis	371.03	Tr200	3.06	46.26	46.88	46.88	47.04	0.013943	1.77	1.73	5.61	1.01
A.03.bis	A.03.bis	371.03	Tr500	4.10	46.26	46.95	46.95	47.13	0.013419	1.87	2.19	6.30	1.01
A.03.bis	A.03.bis	351.03	Tr050	1.72	45.01	45.28	45.45	46.06	0.206643	3.93	0.44	3.27	3.43
A.03.bis	A.03.bis	351.03	Tr200	3.06	45.01	45.35	45.56	46.28	0.175637	4.27	0.72	4.18	3.29
A.03.bis	A.03.bis	351.03	Tr500	4.10	45.01	45.40	45.63	46.40	0.160577	4.44	0.92	4.75	3.21
A.03.bis	A.03.bis	331.03	Tr050	1.72	44.60	45.02	45.02	45.11	0.016834	1.31	1.31	7.84	1.02
A.03.bis	A.03.bis	331.03	Tr200	3.06	44.60	45.10	45.11	45.22	0.017910	1.52	2.01	10.03	1.08
A.03.bis	A.03.bis	331.03	Tr500	4.10	44.60	45.14	45.16	45.28	0.019692	1.69	2.43	11.15	1.15
A.03.bis	A.03.bis	311.03	Tr050	1.72	43.05	43.29	43.46	44.17	0.264286	4.15	0.41	3.43	3.81
A.03.bis	A.03.bis	311.03	Tr200	3.06	43.05	43.37	43.57	44.29	0.193118	4.26	0.72	4.52	3.41
A.03.bis	A.03.bis	311.03	Tr500	4.10	43.05	43.42	43.62	44.34	0.163364	4.25	0.97	5.38	3.20
A.03.bis	A.03.bis	291.03	Tr050	1.72	42.36	42.61	42.63	42.71	0.026631	1.38	1.25	9.80	1.23
A.03.bis	A.03.bis	291.03	Tr200	3.06	42.36	42.67	42.71	42.81	0.030464	1.67	1.83	11.85	1.36
A.03.bis	A.03.bis	291.03	Tr500	4.10	42.36	42.70	42.75	42.87	0.032457	1.84	2.22	13.06	1.43
A.03.bis	A.03.bis	271.03	Tr050	1.72	40.89	41.04	41.16	41.54	0.191052	3.12	0.55	5.54	3.16
A.03.bis	A.03.bis	271.03	Tr200	3.06	40.89	41.11	41.24	41.62	0.146501	3.18	0.96	7.72	2.87
A.03.bis	A.03.bis	271.03	Tr500	4.10	40.89	41.14	41.28	41.67	0.132440	3.22	1.27	9.28	2.77
A.03.bis	A.03.bis	251.04	Tr050	1.72	39.53	39.97	40.06	40.20	0.031094	2.11	0.82	3.71	1.43
A.03.bis	A.03.bis	251.04	Tr200	3.06	39.53	40.10	40.17	40.29	0.033825	1.92	1.60	9.00	1.45
A.03.bis	A.03.bis	251.04	Tr500	4.10	39.53	40.16	40.21	40.32	0.035786	1.78	2.31	15.29	1.46
A.03.bis	A.03.bis	235.23	Tr050	1.72	38.72	39.00	39.10	39.36	0.104150	2.67	0.64	5.17	2.42
A.03.bis	A.03.bis	235.23	Tr200	3.06	38.72	39.07	39.19	39.48	0.080283	2.83	1.08	6.54	2.22
A.03.bis	A.03.bis	235.23	Tr500	4.10	38.72	39.12	39.25	39.54	0.067267	2.86	1.43	7.45	2.09
A.03.bis	A.03.bis	224.13	Tr050	1.72	38.34	38.82	38.66	38.84	0.002235	0.64	2.69	10.36	0.40
A.03.bis	A.03.bis	224.13	Tr200	3.06	38.34	38.88	38.75	38.92	0.003758	0.89	3.42	11.74	0.53
A.03.bis	A.03.bis	224.13	Tr500	4.10	38.34	38.92	38.81	38.98	0.004790	1.05	3.89	12.55	0.60
A.03.bis	A.03.bis	211.04	Tr050	1.72	38.06	38.83		38.83	0.000120	0.20	8.76	22.17	0.10
A.03.bis	A.03.bis	211.04	Tr200	3.06	38.06	38.90		38.91	0.000235	0.29	10.48	24.26	0.14
A.03.bis	A.03.bis	211.04	Tr500	4.10	38.06	38.95		38.95	0.000321	0.35	11.62	25.54	0.17
A.03.bis	A.03.bis	200.13	Tr050	1.72	38.06	38.83		38.83	0.000075	0.16	10.81	26.41	0.08
A.03.bis	A.03.bis	200.13	Tr200	3.06	38.06	38.90		38.90	0.000147	0.24	12.82	28.16	0.11
A.03.bis	A.03.bis	200.13	Tr500	4.10	38.06	38.95		38.95	0.000201	0.29	14.13	29.24	0.13
A.03.bis	A.03.bis	191.04	Tr050	1.72	38.21	38.82		38.83	0.000373	0.24	7.03	29.99	0.16
A.03.bis	A.03.bis	191.04	Tr200	3.06	38.21	38.90		38.90	0.000529	0.33	9.30	33.03	0.20
A.03.bis	A.03.bis	191.04	Tr500	4.10	38.21	38.94		38.95	0.000621	0.38	10.80	34.90	0.22
A.03.bis	A.03.bis	171.04	Tr050	1.72	38.51	38.80		38.81	0.001852	0.39	4.39	30.67	0.33
A.03.bis	A.03.bis	171.04	Tr200	3.06	38.51	38.87		38.88	0.001656	0.47	6.51	31.85	0.33
A.03.bis	A.03.bis	171.04	Tr500	4.10	38.51	38.91		38.93	0.001645	0.52	7.84	32.58	0.34
A.03.bis	A.03.bis	151.05	Tr050	1.72	38.44	38.69		38.73	0.010749	0.86	1.99	15.86	0.78
A.03.bis	A.03.bis	151.05	Tr200	3.06	38.44	38.73	38.73	38.80	0.016118	1.17	2.62	18.08	0.98
A.03.bis	A.03.bis	151.05	Tr500	4.10	38.44	38.77	38.76	38.85	0.014403	1.23	3.34	19.56	0.95
A.03.bis	A.03.bis	131.05	Tr050	1.72	38.04	38.38	38.38	38.47	0.016434	1.31	1.31	7.63	1.01
A.03.bis	A.03.bis	131.05	Tr200	3.06	38.04	38.53		38.60	0.007013	1.10	2.77	11.10	0.71
A.03.bis	A.03.bis	131.05	Tr500	4.10	38.04	38.64		38.69	0.004430	1.00	4.10	13.50	0.58
A.03.bis	A.03.bis	111.05	Tr050	1.72	37.58	38.22	38.10	38.28	0.005240	1.13	1.52	4.42	0.62
A.03.bis	A.03.bis	111.05	Tr200	3.06	37.58	38.30		38.43	0.008599	1.60	1.91	4.81	0.81
A.03.bis	A.03.bis	111.05	Tr500	4.10	37.58	38.33	38.32	38.54	0.013036	2.02	2.03	4.92	1.00
A.03.bis	A.03.bis	91.06	Tr050	1.72	37.58	38.22		38.23	0.000959	0.41	4.24	17.06	0.26
A.03.bis	A.03.bis	91.06	Tr200	3.06	37.58	38.34		38.36	0.000892	0.46	6.60	20.67	0.26
A.03.bis	A.03.bis	91.06	Tr500	4.10	37.58	38.42		38.43	0.000889	0.50	8.19	22.78	0.27
A.03.bis	A.03.bis	71.06	Tr050	1.72	37.58	38.16		38.19	0.003747	0.79	2.17	8.90	0.51
A.03.bis	A.03.bis	71.06	Tr200	3.06	37.58	38.28		38.32	0.003845	0.90	3.42	11.88	0.53
A.03.bis	A.03.bis	71.06	Tr500	4.10	37.58	38.35		38.39	0.003857	0.96	4.29	13.58	0.54
A.03.bis	A.03.bis	51.06	Tr050	1.72	37.58	38.11		38.13	0.002455	0.69	2.50	9.27	0.42
A.03.bis	A.03.bis	51.06	Tr200	3.06	37.58	38.22		38.25	0.002836	0.84	3.65	11.14	0.47
A.03.bis	A.03.bis	51.06	Tr500	4.10	37.58	38.28		38.33	0.002995	0.93	4.40	11.93	0.49
A.03.bis	A.03.bis	31.06	Tr050	1.72	37.58	37.93	37.93	38.02	0.016210	1.32	1.31	7.54	1.01
A.03.bis	A.03.bis	31.06	Tr200	3.06	37.58	38.02	38.02	38.13	0.015281	1.49	2.05	9.37	1.02
A.03.bis	A.03.bis	31.06	Tr500	4.10	37.58	38.07	38.07	38.20	0.014506	1.60	2.56	10.08	1.02
A.03.bis	A.03.bis	11.06	Tr050	1.72	36.65	36.85	36.96	37.27	0.141114	2.85	0.60	5.51	2.75
A.03.bis	A.03.bis	11.06	Tr200	3.06	36.65	36.91	37.05	37.44	0.114976	3.21	0.95	6.25	2.62
A.03.bis	A.03.bis	11.06	Tr500	4.10	36.65	36.95	37.11	37.54	0.104779	3.41	1.20	6.72	2.57
A.03.bis	A.03.bis	1	Tr050	1.72	35.92	36.40	36.47	36.68	0.028308	2.37	0.72	2.34	1.36
A.03.bis	A.03.bis	1	Tr200	3.06	35.92	36.57	36.66	36.92	0.024778	2.63	1.16	2.86	1.32

HEC-RAS Plan: CA366_SP (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.03.bis	A.03.bis	1	Tr500	4.10	35.92	36.68	36.77	37.06	0.022343	2.73	1.50	3.21	1.28
A.03.1 SP	Tracciato - A.03	279.27	Tr050	0.06	69.83	69.86	69.87	69.87	0.054026	0.54	0.11	6.04	1.27
A.03.1 SP	Tracciato - A.03	279.27	Tr200	0.30	69.83	69.89	69.90	69.93	0.054017	0.87	0.35	9.19	1.43
A.03.1 SP	Tracciato - A.03	279.27	Tr500	0.30	69.83	69.89	69.90	69.93	0.054017	0.87	0.35	9.19	1.43
A.03.1 SP	Tracciato - A.03	260.27	Tr050	0.06	68.02	68.05	68.07	68.11	0.193321	1.07	0.06	2.83	2.43
A.03.1 SP	Tracciato - A.03	260.27	Tr200	0.30	68.02	68.09	68.12	68.22	0.173746	1.64	0.18	4.54	2.60
A.03.1 SP	Tracciato - A.03	260.27	Tr500	0.30	68.02	68.09	68.12	68.22	0.173746	1.64	0.18	4.54	2.60
A.03.1 SP	Tracciato - A.03	240.28	Tr050	0.06	67.81	67.85	67.85	67.86	0.044345	0.48	0.12	6.89	1.15
A.03.1 SP	Tracciato - A.03	240.28	Tr200	0.30	67.81	67.88	67.88	67.90	0.020601	0.57	0.53	13.00	0.90
A.03.1 SP	Tracciato - A.03	240.28	Tr500	0.30	67.81	67.88	67.88	67.90	0.020601	0.57	0.53	13.00	0.90
A.03.1 SP	Tracciato - A.03	220.3	Tr050	0.06	66.20	66.23	66.25	66.31	0.165520	1.28	0.05	1.59	2.39
A.03.1 SP	Tracciato - A.03	220.3	Tr200	0.30	66.20	66.26	66.35	66.76	0.407165	3.12	0.10	1.68	4.16
A.03.1 SP	Tracciato - A.03	220.3	Tr500	0.30	66.20	66.26	66.35	66.76	0.407165	3.12	0.10	1.68	4.16
A.03.1 SP	Tracciato - A.03	205.3	Tr050	0.06	65.45	65.50	65.50	65.53	0.024957	0.71	0.08	1.66	1.01
A.03.1 SP	Tracciato - A.03	205.3	Tr200	0.30	65.45	65.64	65.60	65.68	0.008318	0.88	0.34	2.07	0.69
A.03.1 SP	Tracciato - A.03	205.3	Tr500	0.30	65.45	65.64	65.60	65.68	0.008318	0.88	0.34	2.07	0.69
A.03.1 SP	Tracciato - A.03	204		Culvert									
A.03.1 SP	Tracciato - A.03	158.3	Tr050	0.06	63.10	63.15	63.15	63.18	0.023840	0.70	0.09	1.66	0.99
A.03.1 SP	Tracciato - A.03	158.3	Tr200	0.30	63.10	63.18	63.25	63.47	0.181399	2.41	0.12	1.73	2.87
A.03.1 SP	Tracciato - A.03	158.3	Tr500	0.30	63.10	63.18	63.25	63.47	0.181399	2.41	0.12	1.73	2.87
A.03.1 SP	Tracciato - A.03	155.4	Tr050	0.06	62.96	63.00	63.01	63.05	0.091452	1.07	0.06	1.61	1.82
A.03.1 SP	Tracciato - A.03	155.4	Tr200	0.30	62.96	63.08	63.11	63.19	0.042853	1.51	0.20	1.86	1.48
A.03.1 SP	Tracciato - A.03	155.4	Tr500	0.30	62.96	63.08	63.11	63.19	0.042853	1.51	0.20	1.86	1.48
A.03.1 SP	Tracciato - A.03	140.3	Tr050	0.06	62.20	62.28	62.25	62.29	0.006254	0.46	0.13	1.74	0.54
A.03.1 SP	Tracciato - A.03	140.3	Tr200	0.30	62.20	62.31	62.35	62.45	0.057004	1.66	0.18	1.83	1.69
A.03.1 SP	Tracciato - A.03	140.3	Tr500	0.30	62.20	62.31	62.35	62.45	0.057004	1.66	0.18	1.83	1.69
A.03.1 SP	Tracciato - A.03	120.3	Tr050	0.06	62.00	62.01	62.01	62.02	0.047468	0.37	0.16	13.82	1.10
A.03.1 SP	Tracciato - A.03	120.3	Tr200	0.30	62.00	62.04	62.04	62.05	0.029957	0.61	0.49	14.21	1.05
A.03.1 SP	Tracciato - A.03	120.3	Tr500	0.30	62.00	62.04	62.04	62.05	0.029957	0.61	0.49	14.21	1.05
A.03.1 SP	Tracciato - A.03	100.3	Tr050	0.06	61.05	61.10	61.11	61.12	0.042158	0.62	0.10	3.62	1.20
A.03.1 SP	Tracciato - A.03	100.3	Tr200	0.30	61.05	61.14	61.16	61.20	0.064894	1.08	0.28	6.10	1.62
A.03.1 SP	Tracciato - A.03	100.3	Tr500	0.30	61.05	61.14	61.16	61.20	0.064894	1.08	0.28	6.10	1.62
A.03.1 SP	Tracciato - A.03	80.3	Tr050	0.06	59.33	59.38	59.40	59.47	0.224000	1.38	0.04	1.69	2.74
A.03.1 SP	Tracciato - A.03	80.3	Tr200	0.30	59.33	59.43	59.47	59.56	0.105454	1.58	0.19	3.39	2.13
A.03.1 SP	Tracciato - A.03	80.3	Tr500	0.30	59.33	59.43	59.47	59.56	0.105454	1.58	0.19	3.39	2.13
A.03.1 SP	Tracciato - A.03	60.3	Tr050	0.06	58.00	58.01	58.01	58.01	0.049390	0.32	0.19	20.89	1.08
A.03.1 SP	Tracciato - A.03	60.3	Tr200	0.30	58.00	58.02	58.03	58.04	0.055313	0.63	0.48	21.15	1.33
A.03.1 SP	Tracciato - A.03	60.3	Tr500	0.30	58.00	58.02	58.03	58.04	0.055313	0.63	0.48	21.15	1.33
A.03.1 SP	Tracciato - A.03	40.3	Tr050	0.06	56.99	57.05	57.06	57.08	0.044159	0.70	0.09	2.69	1.26
A.03.1 SP	Tracciato - A.03	40.3	Tr200	0.30	56.99	57.11	57.12	57.16	0.035782	0.97	0.31	5.12	1.26
A.03.1 SP	Tracciato - A.03	40.3	Tr500	0.30	56.99	57.11	57.12	57.16	0.035782	0.97	0.31	5.12	1.26
A.03.1 SP	Tracciato - A.03	20.3	Tr050	0.06	55.99	56.01	56.01	56.01	0.083830	0.35	0.17	24.43	1.35
A.03.1 SP	Tracciato - A.03	20.3	Tr200	0.30	55.99	56.02	56.02	56.04	0.096836	0.70	0.43	24.49	1.69
A.03.1 SP	Tracciato - A.03	20.3	Tr500	0.30	55.99	56.02	56.02	56.04	0.096836	0.70	0.43	24.49	1.69
A.03.03_SP	Tracciato - A.03	229.86	Tr050	0.13	83.10	83.22	83.25	83.33	0.089030	1.47	0.09	1.53	1.96
A.03.03_SP	Tracciato - A.03	229.86	Tr200	0.28	83.10	83.25	83.31	83.42	0.089020	1.78	0.16	2.05	2.05
A.03.03_SP	Tracciato - A.03	229.86	Tr500	0.28	83.10	83.25	83.31	83.42	0.089020	1.78	0.16	2.05	2.05
A.03.03_SP	Tracciato - A.03	210.86	Tr050	0.13	81.04	81.11	81.13	81.20	0.143781	1.39	0.09	2.57	2.32
A.03.03_SP	Tracciato - A.03	210.86	Tr200	0.28	81.04	81.13	81.17	81.28	0.145921	1.72	0.16	3.25	2.46
A.03.03_SP	Tracciato - A.03	210.86	Tr500	0.28	81.04	81.13	81.17	81.28	0.145921	1.72	0.16	3.25	2.46
A.03.03_SP	Tracciato - A.03	190.96	Tr050	0.13	79.26	79.30	79.31	79.33	0.065122	0.73	0.18	6.97	1.47
A.03.03_SP	Tracciato - A.03	190.96	Tr200	0.28	79.26	79.32	79.33	79.36	0.066487	0.90	0.31	9.18	1.56
A.03.03_SP	Tracciato - A.03	190.96	Tr500	0.28	79.26	79.32	79.33	79.36	0.066487	0.90	0.31	9.18	1.56
A.03.03_SP	Tracciato - A.03	170.96	Tr050	0.13	77.43	77.48	77.49	77.53	0.131861	1.01	0.13	5.28	2.08
A.03.03_SP	Tracciato - A.03	170.96	Tr200	0.28	77.43	77.50	77.52	77.57	0.126849	1.20	0.23	7.25	2.14
A.03.03_SP	Tracciato - A.03	170.96	Tr500	0.28	77.43	77.50	77.52	77.57	0.126849	1.20	0.23	7.25	2.14
A.03.03_SP	Tracciato - A.03	150.98	Tr050	0.13	75.68	75.72	75.73	75.75	0.063990	0.73	0.18	7.02	1.46
A.03.03_SP	Tracciato - A.03	150.98	Tr200	0.28	75.68	75.74	75.75	75.78	0.065929	0.93	0.30	8.41	1.57
A.03.03_SP	Tracciato - A.03	150.98	Tr500	0.28	75.68	75.74	75.75	75.78	0.065929	0.93	0.30	8.41	1.57
A.03.03_SP	Tracciato - A.03	130.98	Tr050	0.13	72.45	72.48	72.54	72.88	0.542101	2.78	0.05	1.59	5.18
A.03.03_SP	Tracciato - A.03	130.98	Tr200	0.28	72.45	72.50	72.59	73.08	0.390163	3.36	0.08	1.66	4.79
A.03.03_SP	Tracciato - A.03	130.98	Tr500	0.28	72.45	72.50	72.59	73.08	0.390163	3.36	0.08	1.66	4.79
A.03.03_SP	Tracciato - A.03	112.2	Tr050	0.13	71.13	71.20	71.22	71.27	0.030812	1.14	0.11	1.71	1.40
A.03.03_SP	Tracciato - A.03	112.2	Tr200	0.28	71.13	71.24	71.27	71.36	0.035645	1.57	0.18	1.82	1.60
A.03.03_SP	Tracciato - A.03	112.2	Tr500	0.28	71.13	71.24	71.27	71.36	0.035645	1.57	0.18	1.82	1.60
A.03.03_SP	Tracciato - A.03	112.1	Tr050	0.13	68.89	68.90	68.98	71.05	8.478773	6.48	0.02	1.50	17.91
A.03.03_SP	Tracciato - A.03	112.1	Tr200	0.28	68.89	68.92	69.04	71.14	3.324092	6.60	0.04	1.50	12.54
A.03.03_SP	Tracciato - A.03	112.1	Tr500	0.28	68.89	68.92	69.04	71.14	3.324092	6.60	0.04	1.50	12.54

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.01_SP	Tracciato - A.01	658.14	Tr050	0.71	47.88	47.98	47.98	48.01	0.022626	0.75	0.95	16.59	0.99
A.01_SP	Tracciato - A.01	658.14	Tr200	1.23	47.88	48.01	48.01	48.04	0.022280	0.77	1.60	26.20	1.00
A.01_SP	Tracciato - A.01	658.14	Tr500	1.62	47.88	48.02	48.02	48.06	0.020903	0.84	1.94	26.79	0.99
A.01_SP	Tracciato - A.01	638.14	Tr050	0.71	46.21	46.29	46.37	46.76	0.443504	3.03	0.23	4.64	4.31
A.01_SP	Tracciato - A.01	638.14	Tr200	1.23	46.21	46.32	46.42	46.85	0.356185	3.23	0.38	5.81	4.03
A.01_SP	Tracciato - A.01	638.14	Tr500	1.62	46.21	46.33	46.44	46.93	0.341618	3.42	0.47	6.45	4.02
A.01_SP	Tracciato - A.01	618.17	Tr050	0.71	45.67	45.77	45.77	45.81	0.020940	0.86	0.82	10.83	1.00
A.01_SP	Tracciato - A.01	618.17	Tr200	1.23	45.67	45.81	45.81	45.85	0.020509	0.87	1.42	18.25	1.00
A.01_SP	Tracciato - A.01	618.17	Tr500	1.62	45.67	45.83	45.83	45.87	0.019532	0.94	1.73	19.19	1.00
A.01_SP	Tracciato - A.01	598.17	Tr050	0.71	44.00	44.02	44.08	44.46	1.210929	2.94	0.24	10.63	6.23
A.01_SP	Tracciato - A.01	598.17	Tr200	1.23	44.00	44.04	44.11	44.57	0.841786	3.25	0.38	10.93	5.57
A.01_SP	Tracciato - A.01	598.17	Tr500	1.62	44.00	44.04	44.13	44.66	0.746942	3.47	0.47	11.13	5.42
A.01_SP	Tracciato - A.01	578.17	Tr050	0.71	42.47	42.58	42.59	42.66	0.028145	1.25	0.57	5.33	1.22
A.01_SP	Tracciato - A.01	578.17	Tr200	1.23	42.47	42.62	42.65	42.75	0.030125	1.57	0.78	5.45	1.32
A.01_SP	Tracciato - A.01	578.17	Tr500	1.62	42.47	42.64	42.69	42.80	0.031128	1.76	0.92	5.52	1.38
A.01_SP	Tracciato - A.01	558.17	Tr050	0.71	41.82	41.92	41.95	42.02	0.036974	1.36	0.52	5.31	1.38
A.01_SP	Tracciato - A.01	558.17	Tr200	1.23	41.82	41.96	42.00	42.10	0.034463	1.64	0.75	5.44	1.41
A.01_SP	Tracciato - A.01	558.17	Tr500	1.62	41.82	41.99	42.03	42.16	0.033321	1.80	0.90	5.52	1.42
A.01_SP	Tracciato - A.01	538.17	Tr050	0.71	41.16	41.27	41.29	41.35	0.029760	1.27	0.56	5.33	1.25
A.01_SP	Tracciato - A.01	538.17	Tr200	1.23	41.16	41.31	41.34	41.44	0.031734	1.60	0.77	5.44	1.35
A.01_SP	Tracciato - A.01	538.17	Tr500	1.62	41.16	41.33	41.37	41.49	0.032622	1.78	0.91	5.52	1.41
A.01_SP	Tracciato - A.01	518.17	Tr050	0.71	40.51	40.61	40.64	40.70	0.035103	1.34	0.53	5.31	1.35
A.01_SP	Tracciato - A.01	518.17	Tr200	1.23	40.51	40.66	40.69	40.79	0.033114	1.62	0.76	5.44	1.38
A.01_SP	Tracciato - A.01	518.17	Tr500	1.62	40.51	40.68	40.72	40.84	0.032614	1.78	0.91	5.52	1.41
A.01_SP	Tracciato - A.01	498.17	Tr050	0.71	39.85	39.96	39.98	40.04	0.031153	1.29	0.55	5.32	1.28
A.01_SP	Tracciato - A.01	498.17	Tr200	1.23	39.85	40.00	40.03	40.13	0.032830	1.61	0.76	5.44	1.38
A.01_SP	Tracciato - A.01	498.17	Tr500	1.62	39.85	40.02	40.06	40.19	0.033267	1.80	0.90	5.51	1.42
A.01_SP	Tracciato - A.01	478.17	Tr050	0.71	39.20	39.30	39.33	39.39	0.033746	1.32	0.54	5.31	1.32
A.01_SP	Tracciato - A.01	478.17	Tr200	1.23	39.20	39.35	39.38	39.48	0.032295	1.60	0.77	5.44	1.37
A.01_SP	Tracciato - A.01	478.17	Tr500	1.62	39.20	39.37	39.42	39.53	0.032073	1.78	0.91	5.52	1.39
A.01_SP	Tracciato - A.01	458.17	Tr050	0.71	38.54	38.65	38.67	38.73	0.032270	1.30	0.55	5.32	1.30
A.01_SP	Tracciato - A.01	458.17	Tr200	1.23	38.54	38.69	38.72	38.82	0.033510	1.62	0.76	5.43	1.39
A.01_SP	Tracciato - A.01	458.17	Tr500	1.62	38.54	38.71	38.75	38.88	0.033632	1.80	0.90	5.51	1.43
A.01_SP	Tracciato - A.01	438.18	Tr050	0.71	37.89	38.00	38.02	38.08	0.032863	1.31	0.54	5.32	1.31
A.01_SP	Tracciato - A.01	438.18	Tr200	1.23	37.89	38.04	38.07	38.17	0.031871	1.60	0.77	5.44	1.36
A.01_SP	Tracciato - A.01	438.18	Tr500	1.62	37.89	38.06	38.10	38.22	0.031860	1.77	0.91	5.52	1.39
A.01_SP	Tracciato - A.01	418.18	Tr050	0.71	37.23	37.34	37.35	37.42	0.033076	1.31	0.54	5.32	1.31
A.01_SP	Tracciato - A.01	418.18	Tr200	1.23	37.23	37.37	37.41	37.51	0.033856	1.63	0.76	5.43	1.39
A.01_SP	Tracciato - A.01	418.18	Tr500	1.62	37.23	37.40	37.45	37.57	0.033794	1.80	0.90	5.51	1.43
A.01_SP	Tracciato - A.01	398.18	Tr050	0.71	36.58	36.69	36.71	36.77	0.032076	1.30	0.55	5.32	1.29
A.01_SP	Tracciato - A.01	398.18	Tr200	1.23	36.58	36.73	36.76	36.86	0.031582	1.59	0.77	5.44	1.35
A.01_SP	Tracciato - A.01	398.18	Tr500	1.62	36.58	36.75	36.79	36.91	0.031418	1.76	0.92	5.52	1.38
A.01_SP	Tracciato - A.01	378.19	Tr050	0.71	35.92	36.02	36.05	36.11	0.033808	1.32	0.54	5.31	1.33
A.01_SP	Tracciato - A.01	378.19	Tr200	1.23	35.92	36.06	36.10	36.20	0.034131	1.63	0.75	5.43	1.40
A.01_SP	Tracciato - A.01	378.19	Tr500	1.62	35.92	36.09	36.13	36.26	0.034147	1.81	0.89	5.51	1.43
A.01_SP	Tracciato - A.01	358.19	Tr050	0.71	35.27	35.38	35.40	35.46	0.031458	1.29	0.55	5.32	1.28
A.01_SP	Tracciato - A.01	358.19	Tr200	1.23	35.27	35.42	35.45	35.55	0.031354	1.59	0.77	5.45	1.35
A.01_SP	Tracciato - A.01	358.19	Tr500	1.62	35.27	35.44	35.49	35.60	0.031141	1.76	0.92	5.53	1.38
A.01_SP	Tracciato - A.01	338.19	Tr050	0.71	34.61	35.19	34.73	35.19	0.000105	0.21	3.40	6.74	0.09
A.01_SP	Tracciato - A.01	338.19	Tr200	1.23	34.61	35.26	34.79	35.27	0.000208	0.31	3.91	6.97	0.13
A.01_SP	Tracciato - A.01	338.19	Tr500	1.62	34.61	35.31	34.83	35.31	0.000290	0.39	4.20	7.09	0.16
A.01_SP	Tracciato - A.01	318.19	Tr050	0.71	34.87	35.12	35.12	35.18	0.018609	1.08	0.66	5.61	1.01
A.01_SP	Tracciato - A.01	318.19	Tr200	1.23	34.87	35.18	35.18	35.25	0.017676	1.18	1.05	7.63	1.01
A.01_SP	Tracciato - A.01	318.19	Tr500	1.62	34.87	35.21	35.21	35.29	0.017230	1.23	1.32	8.83	1.02
A.01_SP	Tracciato - A.01	298.19	Tr050	0.71	34.49	34.70	34.71	34.76	0.023034	1.13	0.63	5.95	1.11
A.01_SP	Tracciato - A.01	298.19	Tr200	1.23	34.49	34.75	34.76	34.84	0.023835	1.32	0.93	7.13	1.17
A.01_SP	Tracciato - A.01	298.19	Tr500	1.62	34.49	34.77	34.79	34.88	0.024512	1.44	1.13	7.81	1.21
A.01_SP	Tracciato - A.01	278.19	Tr050	0.71	33.81	34.04	34.06	34.11	0.049452	1.20	0.59	9.01	1.50
A.01_SP	Tracciato - A.01	278.19	Tr200	1.23	33.81	34.07	34.10	34.17	0.048674	1.45	0.85	9.70	1.56
A.01_SP	Tracciato - A.01	278.19	Tr500	1.62	33.81	34.08	34.12	34.21	0.047160	1.57	1.03	10.16	1.57
A.01_SP	Tracciato - A.01	258.19	Tr050	0.71	33.19	33.57	33.57	33.66	0.016616	1.32	0.54	3.07	1.00
A.01_SP	Tracciato - A.01	258.19	Tr200	1.23	33.19	33.66	33.66	33.76	0.017257	1.34	0.92	5.26	1.03
A.01_SP	Tracciato - A.01	258.19	Tr500	1.62	33.19	33.71	33.71	33.80	0.016663	1.34	1.21	6.84	1.02
A.01_SP	Tracciato - A.01	238.19	Tr050	0.71	32.97	33.11	33.13	33.18	0.037500	1.11	0.64	8.87	1.33
A.01_SP	Tracciato - A.01	238.19	Tr200	1.23	32.97	33.14	33.17	33.24	0.043433	1.37	0.90	10.28	1.48
A.01_SP	Tracciato - A.01	238.19	Tr500	1.62	32.97	33.16	33.19	33.28	0.048007	1.54	1.05	10.83	1.58
A.01_SP	Tracciato - A.01	218.19	Tr050	0.71	32.55	32.76	32.76	32.81	0.018876	1.02	0.70	6.58	1.00
A.01_SP	Tracciato - A.01	218.19	Tr200	1.23	32.55	32.81	32.81	32.88	0.017976	1.15	1.07	8.16	1.01
A.01_SP	Tracciato - A.01	218.19	Tr500	1.62	32.55	32.84	32.84	32.92	0.017337	1.22	1.33	9.11	1.01

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
A.01_SP	Tracciato - A.01	198.19	Tr050	0.71	32.18	32.36	32.36	32.41	0.021903	0.99	0.72	8.03	1.05
A.01_SP	Tracciato - A.01	198.19	Tr200	1.23	32.18	32.40	32.41	32.47	0.024218	1.18	1.05	9.69	1.14
A.01_SP	Tracciato - A.01	198.19	Tr500	1.62	32.18	32.42	32.43	32.50	0.025428	1.28	1.26	10.65	1.19
A.01_SP	Tracciato - A.01	178.19	Tr050	0.71	31.72	31.94	31.96	32.02	0.028546	1.26	0.56	5.31	1.23
A.01_SP	Tracciato - A.01	178.19	Tr200	1.23	31.72	32.02	32.02	32.09	0.017868	1.13	1.09	8.46	1.01
A.01_SP	Tracciato - A.01	178.19	Tr500	1.62	31.72	32.05	32.05	32.12	0.017858	1.17	1.39	10.35	1.02
A.01_SP	Tracciato - A.01	158.19	Tr050	0.71	31.44	31.67	31.64	31.70	0.009737	0.78	0.91	7.94	0.73
A.01_SP	Tracciato - A.01	158.19	Tr200	1.23	31.44	31.66	31.69	31.77	0.037108	1.48	0.83	7.55	1.42
A.01_SP	Tracciato - A.01	158.19	Tr500	1.62	31.44	31.70	31.72	31.80	0.029687	1.44	1.13	8.99	1.30
A.01_SP	Tracciato - A.01	138.19	Tr050	0.71	31.17	31.38	31.38	31.43	0.019356	1.03	0.69	6.65	1.01
A.01_SP	Tracciato - A.01	138.19	Tr200	1.23	31.17	31.43	31.43	31.50	0.018000	1.14	1.08	8.36	1.01
A.01_SP	Tracciato - A.01	138.19	Tr500	1.62	31.17	31.46	31.46	31.53	0.017394	1.20	1.35	9.36	1.01
A.01_SP	Tracciato - A.01	118.19	Tr050	0.71	30.69	30.82	30.84	30.88	0.042529	1.10	0.65	10.14	1.39
A.01_SP	Tracciato - A.01	118.19	Tr200	1.23	30.69	30.84	30.87	30.93	0.049431	1.34	0.92	11.97	1.54
A.01_SP	Tracciato - A.01	118.19	Tr500	1.62	30.69	30.86	30.89	30.97	0.051925	1.50	1.08	12.35	1.62
A.01_SP	Tracciato - A.01	98.19	Tr050	0.71	30.19	30.34	30.34	30.38	0.020281	0.88	0.80	9.97	1.00
A.01_SP	Tracciato - A.01	98.19	Tr200	1.23	30.19	30.38	30.38	30.43	0.018868	1.03	1.19	11.19	1.01
A.01_SP	Tracciato - A.01	98.19	Tr500	1.62	30.19	30.40	30.40	30.47	0.018248	1.11	1.46	11.94	1.01
A.01_SP	Tracciato - A.01	78.2	Tr050	0.71	29.44	29.70	29.74	29.83	0.037554	1.65	0.43	3.32	1.46
A.01_SP	Tracciato - A.01	78.2	Tr200	1.23	29.44	29.76	29.81	29.93	0.033210	1.82	0.68	4.09	1.43
A.01_SP	Tracciato - A.01	78.2	Tr500	1.62	29.44	29.80	29.85	29.99	0.030870	1.90	0.85	4.57	1.40
A.01_SP	Tracciato - A.01	58.2	Tr050	0.71	28.80	29.09	29.12	29.21	0.026162	1.48	0.48	3.27	1.24
A.01_SP	Tracciato - A.01	58.2	Tr200	1.23	28.80	29.15	29.20	29.31	0.028735	1.76	0.70	3.95	1.34
A.01_SP	Tracciato - A.01	58.2	Tr500	1.62	28.80	29.19	29.24	29.38	0.030069	1.92	0.84	4.34	1.39
A.01_SP	Tracciato - A.01	38.19	Tr050	0.71	28.28	28.55	28.58	28.66	0.027906	1.46	0.49	3.53	1.26
A.01_SP	Tracciato - A.01	38.19	Tr200	1.23	28.28	28.62	28.65	28.76	0.026076	1.64	0.75	4.40	1.26
A.01_SP	Tracciato - A.01	38.19	Tr500	1.62	28.28	28.66	28.69	28.82	0.025108	1.77	0.92	4.64	1.27
A.01_SP	Tracciato - A.01	18.19	Tr050	0.71	27.81	28.12	28.06	28.14	0.004427	0.60	1.19	8.53	0.51
A.01_SP	Tracciato - A.01	18.19	Tr200	1.23	27.81	28.19	28.10	28.21	0.003789	0.65	1.89	10.52	0.49
A.01_SP	Tracciato - A.01	18.19	Tr500	1.62	27.81	28.24	28.14	28.26	0.003396	0.67	2.41	11.80	0.48
A.01_SP	Tracciato - A.01	1	Tr050	0.71	27.62	27.92	27.92	28.00	0.016836	1.22	0.58	3.84	1.00
A.01_SP	Tracciato - A.01	1	Tr200	1.23	27.62	27.99	27.99	28.09	0.016123	1.38	0.89	4.75	1.01
A.01_SP	Tracciato - A.01	1	Tr500	1.62	27.62	28.04	28.04	28.15	0.015544	1.46	1.11	5.30	1.01

River	Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Crit W.S. (m)	Frctn Loss (m)	C & E Loss (m)	Top Width (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Vel Chnl (m/s)
B.19.bis	Tracciato - B.19	81.23	Tr050	35.67	34.80	35.07	0.21	0.00	3.38		6.30		4.13
B.19.bis	Tracciato - B.19	81.23	Tr200	35.85	35.02	35.28	0.16	0.01	4.06		9.53		4.02
B.19.bis	Tracciato - B.19	81.23	Tr500	35.95	35.17	35.42	0.13	0.01	4.51		11.77		3.91
B.19.bis	Tracciato - B.19	75.23	Tr050	35.45	34.58	34.85	0.03	0.02	3.37		6.30		4.14
B.19.bis	Tracciato - B.19	75.23	Tr200	35.68	34.78	35.07	0.03	0.02	3.97		9.53		4.22
B.19.bis	Tracciato - B.19	75.23	Tr500	35.81	34.91	35.19	0.02	0.02	4.36		11.77		4.21
B.19.bis	Tracciato - B.19	75 BR U	Tr050	35.39	34.60	34.85	0.59	0.01	3.43		6.30		3.95
B.19.bis	Tracciato - B.19	75 BR U	Tr200	35.64	34.80	35.07	0.50	0.03	4.04		9.53		4.05
B.19.bis	Tracciato - B.19	75 BR U	Tr500	35.77	34.93	35.20	0.45	0.03	4.43		11.77		4.05
B.19.bis	Tracciato - B.19	75 BR D	Tr050	34.82	33.85	34.15	0.04	0.02	3.31		6.30		4.36
B.19.bis	Tracciato - B.19	75 BR D	Tr200	35.11	34.02	34.37	0.03	0.02	3.84		9.53		4.62
B.19.bis	Tracciato - B.19	75 BR D	Tr500	35.29	34.12	34.49	0.03	0.02	4.13		11.77		4.78
B.19.bis	Tracciato - B.19	56.23	Tr050	34.76	33.87	34.15	0.73	0.00	3.37		6.30		4.17
B.19.bis	Tracciato - B.19	56.23	Tr200	35.06	34.04	34.37	0.68	0.01	3.89		9.53		4.46
B.19.bis	Tracciato - B.19	56.23	Tr500	35.23	34.14	34.49	0.65	0.01	4.19		11.77		4.63
B.19.bis	Tracciato - B.19	36.23	Tr050	34.02	33.13	33.41	0.79	0.04	3.37		6.30		4.18
B.19.bis	Tracciato - B.19	36.23	Tr200	34.37	33.28	33.63	0.79	0.03	3.84		9.53		4.61
B.19.bis	Tracciato - B.19	36.23	Tr500	34.57	33.38	33.75	0.78	0.03	4.11		11.77		4.84
A.16	Tracciato - A.16	131.74	Tr050	5.38	5.03	5.03	0.24	0.02	3.46		6.36		2.62
A.16	Tracciato - A.16	131.74	Tr200	5.72	5.29	5.29	0.04	0.12	3.98		9.82		2.89
A.16	Tracciato - A.16	131.74	Tr500	5.81	5.77	5.45	0.01	0.01	26.96	5.56	6.00	0.74	1.09
A.16	Tracciato - A.16	111.74	Tr050	5.11	4.56	4.71	0.02	0.06	3.15		6.36		3.30
A.16	Tracciato - A.16	111.74	Tr200	5.47	5.43	4.97	0.00	0.00	24.39	4.06	5.61	0.15	1.04
A.16	Tracciato - A.16	111.74	Tr500	5.79	5.77	5.13	0.00	0.00	31.16	6.55	5.15	0.60	0.74
A.16	Tracciato - A.16	110 BR U	Tr050	5.08	4.60	4.71	0.27	0.01	3.24		6.36		3.07
A.16	Tracciato - A.16	110 BR U	Tr200	5.46	5.42	4.97	0.01	0.00	24.35	4.05	5.62	0.15	1.05
A.16	Tracciato - A.16	110 BR U	Tr500	5.79	5.77	5.13	0.00	0.00	31.15	6.55	5.15	0.60	0.74
A.16	Tracciato - A.16	110 BR D	Tr050	4.93	4.81	4.36			4.36		6.36		1.52
A.16	Tracciato - A.16	110 BR D	Tr200	5.45	5.39	4.62	0.00	0.00	16.67	0.23	8.03	1.56	1.17
A.16	Tracciato - A.16	110 BR D	Tr500	5.79	5.75	4.78	0.00	0.00	27.60	1.01	8.11	3.18	0.95
A.16	Tracciato - A.16	89.74	Tr050	4.92	4.80	4.36	0.01	0.03	4.34		6.36		1.53
A.16	Tracciato - A.16	89.74	Tr200	5.45	5.39	4.62	0.00	0.05	16.59	0.22	8.07	1.53	1.18
A.16	Tracciato - A.16	89.74	Tr500	5.78	5.75	4.78	0.00	0.06	27.56	1.00	8.14	3.16	0.96
A.16	Tracciato - A.16	86.52	Tr050	4.88	4.46	4.36	0.01	0.01	3.77		6.36		2.87
A.16	Tracciato - A.16	86.52	Tr200	5.39	4.83	4.70	0.01	0.01	5.03		9.82		3.32
A.16	Tracciato - A.16	86.52	Tr500	5.72	5.05	4.92	0.01	0.01	9.09		12.30		3.62
A.16	Tracciato - A.16	72 BR U	Tr050	4.87	4.36	4.36	0.05	0.04	2.01		6.36		3.15
A.16	Tracciato - A.16	72 BR U	Tr200	5.38	4.70	4.70	0.05	0.05	2.01		9.82		3.64
A.16	Tracciato - A.16	72 BR U	Tr500	5.70	4.92	4.92	0.05	0.05	2.01		12.30		3.92
A.16	Tracciato - A.16	72 BR D	Tr050	4.73	3.91	4.13			2.01		6.36		4.01
A.16	Tracciato - A.16	72 BR D	Tr200	5.25	4.21	4.47			2.01		9.82		4.53
A.16	Tracciato - A.16	72 BR D	Tr500	5.58	4.40	4.69			2.01		12.30		4.82
A.16	Tracciato - A.16	71.74	Tr050	4.64	4.13	4.13	0.22	0.04	3.58		6.36		3.15
A.16	Tracciato - A.16	71.74	Tr200	5.15	4.47	4.47	0.21	0.05	4.26		9.82		3.64
A.16	Tracciato - A.16	71.74	Tr500	5.47	4.69	4.69	0.01	0.23	31.01		12.30		3.92
A.16	Tracciato - A.16	54.84	Tr050	4.38	3.52	3.80	0.39	0.14	2.90		6.36		4.11
A.16	Tracciato - A.16	54.84	Tr200	4.88	3.68	4.06	0.47	0.18	3.21		9.82		4.85
A.16	Tracciato - A.16	54.84	Tr500	4.45	4.44	4.22	0.01	0.05	38.17	0.15	2.57	9.59	0.51
A.09_SP	Tracciato - A.09	139.47	Tr050	14.20	13.92	14.01	0.50	0.01	2.60		1.08		2.34
A.09_SP	Tracciato - A.09	139.47	Tr200	14.37	13.99	14.11	0.49	0.00	2.81		1.77		2.73
A.09_SP	Tracciato - A.09	139.47	Tr500	14.46	14.03	14.17	0.49	0.00	2.94		2.25		2.91
A.09_SP	Tracciato - A.09	129.47	Tr050	13.70	13.44	13.52	0.02	0.04	2.62		1.08		2.25
A.09_SP	Tracciato - A.09	129.47	Tr200	13.87	13.50	13.62	0.03	0.04	2.82		1.77		2.67
A.09_SP	Tracciato - A.09	129.47	Tr500	13.97	13.54	13.68	0.04	0.04	2.94		2.25		2.90
A.09_SP	Tracciato - A.09	128 BR U	Tr050	13.64	13.50	13.52	0.93	0.04	2.81		1.08		1.67
A.09_SP	Tracciato - A.09	128 BR U	Tr200	13.80	13.56	13.62	1.00	0.03	2.98		1.77		2.19
A.09_SP	Tracciato - A.09	128 BR U	Tr500	13.90	13.59	13.68	1.04	0.02	3.07		2.25		2.48
A.09_SP	Tracciato - A.09	128 BR D	Tr050	12.75	12.14	12.29	0.10	0.05	2.42		1.08		3.46
A.09_SP	Tracciato - A.09	128 BR D	Tr200	12.96	12.20	12.39	0.07	0.04	2.60		1.77		3.87
A.09_SP	Tracciato - A.09	128 BR D	Tr500	13.07	12.24	12.45	0.06	0.04	2.71		2.25		4.04
A.09_SP	Tracciato - A.09	104.47	Tr050	12.57	12.17	12.29	1.24	0.05	2.52		1.08		2.78
A.09_SP	Tracciato - A.09	104.47	Tr200	12.79	12.23	12.39	1.28	0.08	2.68		1.77		3.32
A.09_SP	Tracciato - A.09	104.47	Tr500	12.91	12.26	12.45	1.29	0.09	2.79		2.25		3.55
A.09_SP	Tracciato - A.09	80.47	Tr050	11.27	11.06	11.12	0.61	0.01	2.60		1.08		2.04

River	Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Crit W.S. (m)	Frctn Loss (m)	C & E Loss (m)	Top Width (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Vel Chnl (m/s)
A.09_SP	Tracciato - A.09	80.47	Tr200	11.43	11.13	11.22	0.62	0.02	2.81		1.77		2.42
A.09_SP	Tracciato - A.09	80.47	Tr500	11.53	11.18	11.29	0.63	0.03	2.92		2.25		2.65
A.04.bis_SP	Tracciato - A.04	186.37	Tr050	68.99	67.89	68.19	0.03	0.00	6.09		9.37		4.64
A.04.bis_SP	Tracciato - A.04	186.37	Tr200	69.31	68.05	68.41	0.03	0.01	6.56		14.93		4.97
A.04.bis_SP	Tracciato - A.04	186.37	Tr500	69.50	68.16	68.55	0.02	0.02	6.88		19.05		5.13
A.04.bis_SP	Tracciato - A.04	174.37	Tr050	68.57	68.46	68.14	0.00	0.00	7.92		9.37		1.49
A.04.bis_SP	Tracciato - A.04	174.37	Tr200	68.86	68.74	68.36	0.00	0.00	15.22	0.89	14.04		1.63
A.04.bis_SP	Tracciato - A.04	174.37	Tr500	69.04	68.91	68.50	0.00	0.00	16.37	2.15	16.90		1.67
A.04.bis_SP	Tracciato - A.04	173 BR U	Tr050	68.57	68.45	68.14	0.04	0.00	7.92		9.37		1.49
A.04.bis_SP	Tracciato - A.04	173 BR U	Tr200	68.86	68.73	68.36	0.04	0.00	15.21	0.88	14.05		1.63
A.04.bis_SP	Tracciato - A.04	173 BR U	Tr500	69.04	68.91	68.50	0.03	0.00	16.35	2.15	16.90		1.67
A.04.bis_SP	Tracciato - A.04	173 BR D	Tr050	68.52	68.42	68.05	0.00	0.00	7.97		9.37		1.39
A.04.bis_SP	Tracciato - A.04	173 BR D	Tr200	68.82	68.70	68.27	0.00	0.00	14.12	0.52	14.41		1.60
A.04.bis_SP	Tracciato - A.04	173 BR D	Tr500	69.00	68.87	68.41	0.00	0.00	14.90	1.48	17.57		1.67
A.04.bis_SP	Tracciato - A.04	151.35	Tr050	68.52	68.42	68.05	0.02	0.00	7.97		9.37		1.40
A.04.bis_SP	Tracciato - A.04	151.35	Tr200	68.82	68.70	68.27	0.02	0.00	14.11	0.51	14.42		1.60
A.04.bis_SP	Tracciato - A.04	151.35	Tr500	69.00	68.87	68.41	0.03	0.00	14.89	1.46	17.59		1.67
A.04.bis_SP	Tracciato - A.04	136.43	Tr050	68.49	68.41		0.03	0.00	8.28		9.37		1.30
A.04.bis_SP	Tracciato - A.04	136.43	Tr200	68.80	68.67		0.03	0.01	9.07		14.93		1.57
A.04.bis_SP	Tracciato - A.04	136.43	Tr500	68.97	68.82		0.03	0.01	9.51		19.05		1.75
A.03.bis	A.03.bis	531.03	Tr050	51.85	51.82	51.66	0.09	0.00	7.67		1.72		0.79
A.03.bis	A.03.bis	531.03	Tr200	51.99	51.95	51.78	0.10	0.00	9.52		3.06		0.93
A.03.bis	A.03.bis	531.03	Tr500	52.08	52.03	51.84	0.10	0.01	10.70		4.10		1.00
A.03.bis	A.03.bis	511.03	Tr050	51.75	51.68	51.63	0.01	0.00	6.21		1.72		1.14
A.03.bis	A.03.bis	511.03	Tr200	51.89	51.80	51.74	0.01	0.00	7.79		3.06		1.32
A.03.bis	A.03.bis	511.03	Tr500	51.97	51.87	51.81	0.01	0.00	8.79		4.10		1.41
A.03.bis	A.03.bis	510 BR U	Tr050	51.74	51.63	51.63	0.12	0.02	5.51		1.72		1.46
A.03.bis	A.03.bis	510 BR U	Tr200	51.88	51.74	51.74	0.12	0.02	6.94		3.06		1.63
A.03.bis	A.03.bis	510 BR U	Tr500	51.96	51.81	51.81	0.12	0.02	7.91		4.10		1.72
A.03.bis	A.03.bis	510 BR D	Tr050	51.30	50.97	51.08			4.23		1.72		2.52
A.03.bis	A.03.bis	510 BR D	Tr200	51.46	51.06	51.19			5.33		3.06		2.82
A.03.bis	A.03.bis	510 BR D	Tr500	51.56	51.11	51.25			6.01		4.10		2.98
A.03.bis	A.03.bis	491.03	Tr050	51.18	51.07	51.07	0.73	0.08	5.56		1.72		1.46
A.03.bis	A.03.bis	491.03	Tr200	51.32	51.18	51.18	0.65	0.09	7.00		3.06		1.64
A.03.bis	A.03.bis	491.03	Tr500	51.40	51.25	51.25	0.61	0.09	7.88		4.10		1.73
A.03.bis	A.03.bis	471.03	Tr050	50.37	49.41	49.63	1.29	0.21	2.09		1.72		4.33
A.03.bis	A.03.bis	471.03	Tr200	50.58	49.53	49.79	1.28	0.20	2.70		3.06		4.55
A.03.bis	A.03.bis	471.03	Tr500	50.70	49.60	49.89	1.27	0.19	3.09		4.10		4.65
A.02 SP	Tracciato - A.02	67.61	Tr050	57.54	57.47	57.49	0.21	0.00	5.10		0.20		1.17
A.02 SP	Tracciato - A.02	67.61	Tr200	57.58	57.49	57.52	0.22	0.01	5.16		0.37		1.33
A.02 SP	Tracciato - A.02	67.61	Tr500	57.62	57.51	57.54	0.22	0.01	5.19		0.50		1.50
A.02 SP	Tracciato - A.02	47.61	Tr050	56.27	56.26	56.23	0.01	0.00	5.24		0.20		0.48
A.02 SP	Tracciato - A.02	47.61	Tr200	56.31	56.29	56.26	0.01	0.00	5.34		0.37		0.62
A.02 SP	Tracciato - A.02	47.61	Tr500	56.34	56.32	56.28	0.01	0.00	5.40		0.50		0.71
A.02 SP	Tracciato - A.02	47 BR U	Tr050	56.26	56.23	56.23	0.19	0.00	5.16		0.20		0.73
A.02 SP	Tracciato - A.02	47 BR U	Tr200	56.30	56.26	56.26	0.19	0.01	5.24		0.37		0.87
A.02 SP	Tracciato - A.02	47 BR U	Tr500	56.33	56.28	56.28	0.19	0.01	5.30		0.50		0.96
A.02 SP	Tracciato - A.02	47 BR D	Tr050	55.10	54.94	54.97			5.06		0.20		1.77
A.02 SP	Tracciato - A.02	47 BR D	Tr200	55.26	54.95	55.00			5.09		0.37		2.45
A.02 SP	Tracciato - A.02	47 BR D	Tr500	55.34	54.96	55.02			5.10		0.50		2.73
A.02 SP	Tracciato - A.02	27.61	Tr050	55.00	54.97	54.97	0.00	0.01	5.16		0.20		0.72
A.02 SP	Tracciato - A.02	27.61	Tr200	55.04	55.00	55.00	0.01	0.01	5.24		0.37		0.88
A.02 SP	Tracciato - A.02	27.61	Tr500	55.07	55.02	55.02	0.01	0.01	5.29		0.50		0.99
A.02 SP	Tracciato - A.02	7.61	Tr050	54.03	54.03	53.71	0.00	0.00	6.11		0.20		0.10
A.02 SP	Tracciato - A.02	7.61	Tr200	54.05	54.04	53.74	0.00	0.00	6.15		0.37		0.17
A.02 SP	Tracciato - A.02	7.61	Tr500	54.06	54.05	53.76	0.00	0.00	6.33	0.00	0.50		0.23