

COMUNE DI VAIE

VERIFICHE IDRAULICHE CANALE CANTARANA E RII MINORI A
SEGUITO REALIZZAZIONE OPERE DI PROTEZIONE IN TERRITORIO
DI S. ANTONINO DI SUSA

Relazione

elaborazioni FLO-2D

ubicazione: Comune di Vaie
committente: Amministrazione Comunale di Vaie



dott. ing. Paolo Giuseppe ORIA - via W. Filak 1 - 10082 Cuorgnè (TO)
tel. / fax 0124/629055 - cell. 335/8014307 - E-mail: oria@ingegneria-territorio.it

SOMMARIO

SOMMARIO.....	1
1. PREMESSA	2
2. INQUADRAMENTO.....	3
3. DELIMITAZIONE DEI SOTTOBACINI IDROGRAFICI.....	4
4. LINEE SEGNALETRICI DI PROBABILITÀ PLUVIOMETRICA PUNTUALI.....	5
5. CALCOLO DELLA PORTATA DI PIENA.....	6
6. STUDIO IDRAULICO E DEFINIZIONE DEI LIVELLI IDROMETRICI	14
7. CONSIDERAZIONI SUL TRASPORTO SOLIDO	18
8. RISULTATI DELL'ELABORAZIONE E CONSIDERAZIONI CONCLUSIVE	19
9. BIBLIOGRAFIA	20
APPENDICE A.....	21
<i>PIOGGE DI PROGETTO RICAVATE DALLA REGIONALIZZAZIONE PAI</i>	21
APPENDICE B.....	31
<i>IDROGRAMMI DI PIENA.....</i>	31
APPENDICE C.....	40
<i>MAPPATURA DELLE AREE ESONDABILI CON INDICAZIONE DEI TIRANTI IDRICI PREVISTI.....</i>	40
APPENDICE D.....	48
<i>ZONIZZAZIONE DELLE AREE A RISCHIO DURANTE UN EVENTO ALLUVIONALE CON TEMPO DI RITORNO PARI A 200 ANNI</i>	48
APPENDICE E.....	51
<i>PROFILO LONGITUDINALE DEL CANALE CANTARANA</i>	51
APPENDICE F	53
<i>RISULTATI NUMERICI DEL CALCOLO IDRAULICO.....</i>	53

1. Premessa

A seguito di modifiche dello stato dei luoghi adiacenti l'asta del canale Cantarana, alla costruzione di alcune opere idrauliche di protezione e regolazione sulle aste torrentizie dei rii Trona, Bonetto e Vignassa in territorio del comune di Sant'Antonino di Susa, e alla predisposizione di un piano coordinato di protezione civile in caso di evento alluvionale, l'Amministrazione Comunale ha ritenuto di procedere a verificare ulteriormente il comportamento idraulico del canale Cantarana.

Le verifiche sono state effettuate in moto vario, in modo da simulare correttamente l'andamento cronologico dell'evento (passaggio effettivo dell'onda di piena lungo il canale); le potenzialità di questa analisi permettono di individuare la portata oltre la quale il corso d'acqua esonda in un determinato punto del suo corso, o di apprezzare il ritardo tra picco precipitativo e nascita di situazioni di pericolo lungo l'asta.

In particolare sono stati presi in considerazione:

- l'effetto di laminazione sulla portata di picco dei rii Trona e Bonetto durante un evento alluvionale, garantito dalla cassa di espansione in costruzione in Loc. Mareschi di Sant'Antonino;
- l'effetto della realizzazione di un canale scolmatore che trasferisce la portata in eccesso dal rio Vignassa al canale Alberile, e da questo in Dora, con conseguente forte riduzione del contributo del rio Vignassa alle piene del canale Cantarana.

La presente relazione è stata redatta in ottemperanza ai disposti del PAI in merito alle verifiche di compatibilità idraulica, e prende in considerazione il reticolo idrografico minore del territorio del Comune di Vaie.

La valutazione delle portate di piena del canale Cantarana e dei relativi sottobacini (torr. Combalossa e rii Margara, Pentureto, Arpiat, Trona, Bonetto e Vignassa) è stata effettuata secondo quanto indicato all'interno della "Direttiva di progetto da assumere per la progettazione e le verifiche di compatibilità idraulica", redatta dall'Autorità di Bacino del Fiume Po, e con riferimento alle indicazioni contenute nella "Deliberazione della Giunta Regionale 15 luglio 2002 n. 45-6656" pubblicata nel suppl. al n° 30 del B.U.R.P. del 25 luglio 2002.

2. Inquadramento

I bacini idrografici che interessano direttamente il territorio del comune di Vaie sono quelli dei rii Arpiat, Penturetto Margara e Combalossa, i quali si collocano topograficamente sul foglio n. 55 della Carta IGM in scala 1:100.000 e sui fogli n.154120 e n. 154080 della Carta Tecnica Regionale in scala 1:10.000.

L'area è caratterizzata da precipitazioni di tipo prevalentemente pluviale e nivo-pluviale. Le caratteristiche dei rii che sono presenti sul territorio comunale sono di seguito riassunte:

Il bacino del torrente Combalossa si estende per una superficie totale di 3,24 kmq, da quota 368 m s.l.m. a quota 1485 m s.l.m. ed è posto a est del bacino del rio Margara. Il reticolo idrografico segue una direzione di scolo principale individuabile da quota 1280 m s.l.m. L'asta principale del torrente Combalossa, dall'origine fino alla sezione di immissione nel Canale Cantarana, ha una lunghezza di circa 3,68 km e una pendenza media del 17,0 %.

Il bacino del rio Margara si estende per una superficie totale di 0,65 kmq, tra le isoipse 1137 e 390 m s.l.m. e lo spartiacque è delimitato dai bacini dei rii Penturetto a ovest e Combalossa, ad est; il reticolo idrografico non è sviluppato, ma segue un'unica direzione di scolo lungo un canale principale senza una suddivisione in rami secondari. L'asta principale del rio Margara dall'origine fino alla sezione a monte dell'abitato di Vaie ha una lunghezza di circa 0,78 km e una pendenza media del 50,0 %.

Il bacino del rio Penturetto si estende nel territorio comunale per una superficie totale di 0,38 kmq, distribuiti principalmente tra le isoipse 1300 e 800 m. s.l.m., confinante con i bacini dei rii Arpiat e Margara. Il bacino presenta un reticolo idrografico praticamente non sviluppato che segue un'unica direzione di scolo lungo un canale principale senza suddivisione in rami secondari. L'asta principale del rio Penturetto dall'origine fino alla sezione a monte dell'abitato di Vaie ha una lunghezza di circa 0,85 km ed una pendenza media del 51,0 %.

Il bacino del rio Arpiat si estende per una superficie totale di 1,23 kmq, da quota 400 m s.l.m. a quota 1390 m s.l.m. ed è posto tra i bacini del rio Trona ad ovest, e del rio Penturetto ad est. Il reticolo idrografico segue una direzione di scolo principale individuabile da quota 1050 m s.l.m. ed un ramo secondario, posto più ad est da quota 800 m s.l.m., che si immette nel ramo principale a monte dell'abitato di Vaie. L'asta principale del torrente Arpiat dall'origine fino alla sezione a monte dell'abitato di Vaie ha una lunghezza di circa 2 km e una pendenza media del 28,0 %.

Il bacino del Canale Cantarana si estende nel territorio comunale per una superficie totale di 1,23 kmq, da quota 376 m s.l.m. a quota 368 m s.l.m. L'asta principale nel tratto che attraversa il comune di Vaie ha una lunghezza di circa 2 km e una pendenza media del 28,0 %.

3. Delimitazione dei sottobacini idrografici

Trattandosi di sottobacini elementari di piccole dimensioni la delimitazione degli stessi è stata individuata utilizzando la cartografia regionale a scala 1/10000 precedentemente citata.

Per ognuno di essi sono state individuate le seguenti grandezze:

Tabella 1 – Caratteristiche morfometriche dei bacini oggetto di studio

Torrente/rio	Superficie bacino [kmq]	Pendenza media asta (*)	Lunghezza asta [km]	Quota max [m]	Quota sez chiusura [m]
Combalossa	3,24	0,17	3,68	1485	368
Penturetto	0,38	0,51	0,85	1230	420
Margara	0,65	0,50	0,78	1130	392
Arpiat	1,23	0,28	2,03	1390	395
Trona	3,21	0,28	3,08	1600	382
Bonetto	1,51	0,24	2,71	1600	383
Vignassa	2,83	0,06	3,22	1660	382

(*) La pendenza media è stata ottenuta suddividendo le aste torrentizie in tratti a pendenza costante e facendone la media pesata sulla lunghezza.

4. Linee segnalatrici di probabilità pluviometrica puntuali

Il regime pluviometrico del bacino dei torrenti oggetto d'indagine si inquadra in quello più esteso della Valle della Dora Riparia che, pur localizzata fra aree caratterizzate da elevate precipitazioni (Valli di Lanzo e Orco a Nord, bacini del Sangone, basso Chisone e Pellice a Sud), presenta massime precipitazioni che raggiungono valori modesti se rapportate a quelle delle valli contigue.

La previsione quantitativa delle piogge intense in un determinato punto viene effettuata attraverso la determinazione della curva di probabilità pluviometrica per un assegnato tempo di ritorno. Tale curva è comunemente espressa da una legge di potenza del tipo:

$$h(t) = a \cdot t^n$$

i cui parametri a ed n dipendono dallo specifico tempo di ritorno considerato. In assenza di dati provenienti da misure dirette delle precipitazioni nelle aree oggetto dello studio, i valori di a ed n sono stati ricavati dall'allegato n°3 della "direttiva sulla piena di progetto da assumere per le progettazioni e le verifiche di compatibilità idraulica" redatta dall'Autorità di Bacino del Fiume Po, facendo riferimento alla suddivisione in celle quadrate con lato di 2 km presente all'interno del documento. Il criterio seguito nella scelta dei coefficienti medi da assegnare al singolo bacino è stato quello di calcolare una media dei coefficienti delle celle che ricadono sul bacino, pesata in funzione delle porzioni di area interessate. In Tabella 2 sono riportati i dati estratti dalle tabelle allegate alla direttiva e riguardanti le celle cui fanno riferimento i bacini confluenti nel canale Cantarana.

Tabella 2 – Elenco delle celle PAI che interessano i bacini analizzati

Cella PAI	Tr 20		Tr 100		Tr 200		Tr 500	
	a	n	a	n	a	n	a	n
AF102	36,52	0,385	46,54	0,381	50,83	0,379	56,46	0,377
AF103	38,96	0,405	49,63	0,404	54,22	0,403	60,21	0,403
AF104	41,66	0,426	53,10	0,427	58,03	0,428	64,44	0,428
AG102	40,82	0,378	52,26	0,373	57,15	0,371	63,60	0,369
AG103	40,99	0,40	52,17	0,399	56,95	0,398	63,25	0,398
AG104	42,06	0,422	53,30	0,425	58,12	0,426	64,43	0,426
AH102	43,20	0,381	55,31	0,377	60,47	0,375	67,33	0,373
AH103	42,60	0,397	54,18	0,397	59,10	0,397	65,65	0,397
AH104	42,54	0,417	53,74	0,420	58,50	0,421	64,83	0,422

5. Calcolo della portata di piena

Per il calcolo delle portate di piena, si è ritenuto di utilizzare un modello idrologico a parametri concentrati, affidandosi al software HEC-HMS, prodotto dall'Hydrologic Engineering Center dell'U.S. Army Corps of Engineers. HEC-HMS consente, mediante un'opportuna schematizzazione del reticolo idrografico in una serie di componenti idrologicamente interconnessi tra loro (Fig.2) ed un'attenta definizione delle caratteristiche geometriche e di permeabilità del bacino, di calcolare degli idrogrammi di deflusso che competono a particolari eventi meteorici.

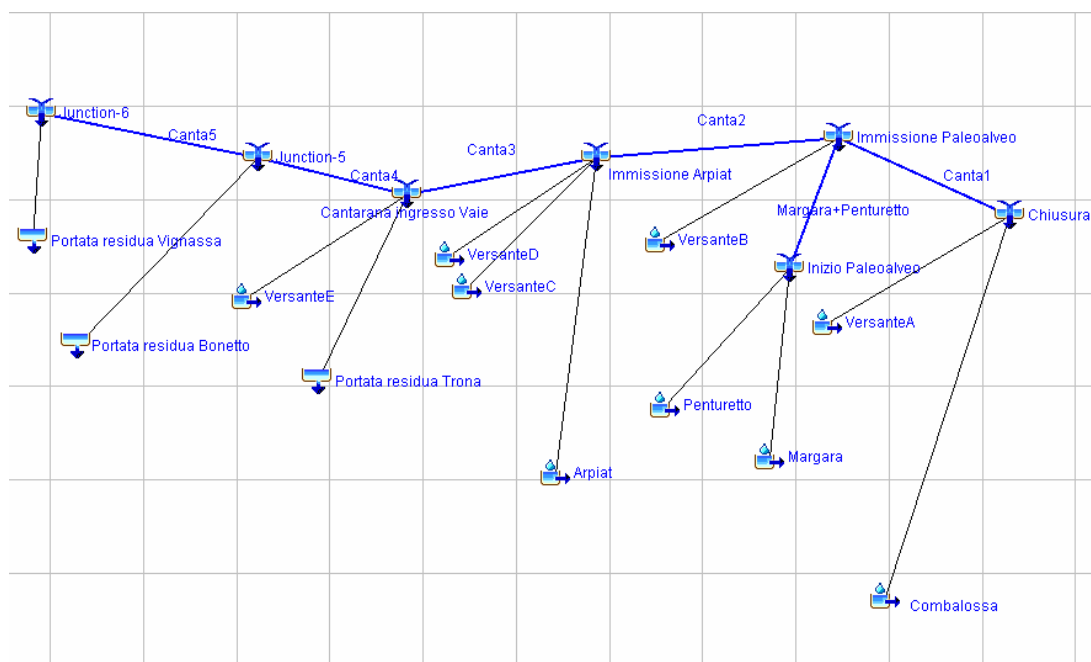


Fig.1 – Schema grafico del modello idrologico di trasformazione afflussi-deflussi

Il problema di trasformare l'afflusso meteorico complessivo di cui è oggetto un bacino idrografico in una portata effettivamente contribuente al deflusso superficiale, la quale verrà poi raccolta dal reticolo idrografico e recapitata alla sezione di chiusura, è una delle questioni chiave dell'idrologia.

Esistono innumerevoli metodi, spesso anche concettualmente molto differenti tra loro; ogni metodo risulta più o meno accurato o impegnativo dal punto di vista del calcolo, il quale tuttavia costituisce un ostacolo limitato, grazie alle potenzialità dei calcolatori elettronici odierni.

Si possono individuare due momenti fondamentali nell'intero processo di trasformazione afflussi-deflussi:

1. la determinazione della pioggia netta
2. la trasformazione dello ietogramma di pioggia netta in idrogramma liquido alla sezione di chiusura.

L'acqua affluita in un bacino idrografico grazie ad un evento di precipitazione liquida va incontro ad un certo numero di possibili destinazioni:

- una parte viene intercettata dalla vegetazione o da altri elementi naturali o artificiali che si trovano in superficie (quota A),
- una parte viene immagazzinata in piccoli invasi superficiali che si formano sul terreno (quota B),
- una parte si infiltra nel sottosuolo rimanendovi intrappolata nelle porosità e contribuendo a saturarle, modificando così la capacità di infiltrazione del terreno (quota C),
- una parte si infiltra in profondità, andando direttamente ad alimentare la falda acquifera (ma anch'essa non contribuisce alla portata in chiusura) (quota D),
- una parte evapora, anche se generalmente durante una pioggia questo fenomeno è molto limitato a causa dell'elevato tasso di umidità relativa dell'aria (quota E) e, infine
- una parte scorre sul suolo e viene drenata dal reticolo idrografico, formando così il deflusso superficiale e dando il contributo fondamentale all'idrogramma che verrà misurato in chiusura durante l'evento pluviometrico (quota F).

Il bilancio complessivo vede l'afflusso P ridursi all'afflusso netto $P_n = P - A - B - C - D - E$ e quest'ultimo contribuire in modo fondamentale alla portata in chiusura $Q = P_n + Q_b$, dove Q_b è il deflusso di base, già presente nel reticolo prima dell'inizio dell'apporto pluviometrico. L'oggetto di questo paragrafo è la deduzione di P_n conoscendo P .

A tal fine si è scelto di fare uso del metodo *Curve Number* dell'U.S Soil Conservation Service (SCS-USDA, 1968), in quanto capace di tener conto globalmente, ed in modo "quantitativo", mediante l'indice CN, delle caratteristiche geologiche e di uso suolo del bacino. Nella sua formulazione originale, il metodo SCS-CN è orientato alla descrizione del fenomeno d'invaso ed infiltrazione alla scala del singolo evento, ed è stato applicato con successo soprattutto su bacini di dimensioni inferiori ai 15-20 km². A tal fine l'indice CN, oltre che dipendere dalla geo-pedologia e dall'uso del suolo, è funzione anche delle condizioni di umidità del suolo in prossimità dell'evento, valore che viene fatto dipendere dalla quantità di pioggia caduta nei cinque giorni antecedenti (Antecedent Moisture Conditions – AMC – Tabella 3).

Tabella 3 – Definizione delle condizioni d'umidità antecedenti l'evento (AMC)

Periodo vegetativo	Riposo vegetativo	AMC
Altezza di precipitazione caduta nei cinque giorni precedenti l'evento minore di 35 mm	Altezza di precipitazione caduta nei cinque giorni precedenti l'evento minore di 13 mm	I
Altezza di precipitazione caduta nei cinque giorni precedenti l'evento tra 35 e 53 mm	Altezza di precipitazione caduta nei cinque giorni precedenti l'evento tra 13 e 28 mm	II
Altezza di precipitazione caduta nei cinque giorni precedenti l'evento maggiore di 53 mm	Altezza di precipitazione caduta nei cinque giorni precedenti l'evento maggiore di 28 mm	III

La procedura consiste nell'eseguire una classificazione della permeabilità dei vari tipi di suolo presenti nel bacino secondo lo schema esposto in Tabella 5, dare una definizione delle utilizzazioni del suolo secondo una classificazione predefinita (Tabella 4), e combinare le due cartografie risultanti per calcolare una media ponderata del parametro CN sui vari sottobacini seguendo le indicazioni ricavate dalla tabella a doppia entrata esposta in Tabella 6.

Tabella 4 – Tabella delle codifiche delle destinazioni d'uso suolo.

Cod_id	Cod_500 2	Descrizione	Note
DU01	C87	Bosco fitto	Superficie con vegetazione arborea dominante anche in associazione con arbusti e cespugli. Rapporto di copertura della vegetazione arborea > 40%
DU23	C88	Bosco rado	Superficie con vegetazione arborea dominante anche in associazione con arbusti e cespugli. Rapporto di copertura della vegetazione arborea compreso tra il 20% e il 40%
DU02	C89	Area di rimboschimento recente	-
DU03	C90	Formazione arbustive dense	Possono presentare copertura arborea < 20%
DU04	C91	Formazione arbustive rade e/o degradate	Possono presentare copertura arborea < 20%
DU05		Prateria alpina	Praterie di alta quota non soggette a pratiche agronomiche o pastorali
DU06		Prato-pascolo	Prati pascolati e/o sfalcati. Possono presentare copertura arborea < 20%
DU07		Prati irrigui	Prati soggetti a sfalcio irrigati situati prevalentemente sul fondo valle o in conoide. Possono presentare copertura arborea < 20%
DU08		Affioramenti rocciosi	-
DU09		Detriti di falda a piccoli blocchi	-
DU10		Detriti di falda a grandi blocchi	-
DU11		Ghiacciai e nevai	-
DU12		Aree umide, specchi d'acqua e corsi d'acqua	Laghi naturali e artificiali, stagni
DU13		Aree percorse da incendio	Aree in cui sono ancora visibili i segni dell'evento
DU14	C94	Colture arboree	-
DU15	C95	Colture agrarie	-
DU16	C96	Colture terrazzate	-
DU17	C97	Centri abitati, aree industriali e artigianali	-
DU18		Infrastrutture, viabilità principale e secondaria	-
DU19		Area verde urbana	Appartengono a questa categoria tutte le aree verdi all'interno di insediamenti chiusi. Vi appartengono anche parcheggi e piccoli parchi
DU20		Aree estrattive	Cave e miniere
DU21		Discariche	-
DU22		Depositi morenici	-

Tabella 5 – Classi di permeabilità secondo il metodo SCS-CN

Cod_id	Descrizione	Note
A	Permeabilità alta	Bassa capacità di formazione del deflusso. Suoli con elevata infiltrabilità anche in condizioni di completa saturazione. Si tratta di sabbie o ghiaie profonde molto ben drenate, con scarsissime percentuali di limo e argilla. La conducibilità idrica a saturazione è elevata.
B	Permeabilità medio-alta	Suoli con modesta infiltrabilità se saturi. Discretamente drenati e profondi, sono caratterizzati da una tessitura medio-grossa e da una conducibilità idraulica a saturazione non molto elevata.
C	Permeabilità medio-bassa	Suoli con bassa infiltrabilità se saturi. Sono per lo più suoli con uno strato che impedisce il movimento dell'acqua verso il basso (a drenaggio impedito) oppure suoli con tessitura medio-fine e bassa infiltrabilità. La conducibilità idraulica a saturazione è bassa.
D	Permeabilità bassa	Suoli a elevata capacità di formazione del deflusso. Appartengono a questo gruppo i suoli ricchi di argilla con capacità rigonfianti, i suoli con uno strato di argilla verso la superficie, i suoli poco profondi su substrati impermeabili. La conducibilità idraulica a saturazione è estremamente bassa.

Tabella 6 – Tabella a doppia entrata per la determinazione del coefficiente CN.

TIPO DI USO SUOLO	CN (AMCII)			
	A	B	C	D
Bosco fitto	36	60	73	79
Bosco rado	40	63	75	81
Area di rimboschimento recente	43	65	76	82
Formazione arbustive dense	35	56	70	77
Formazione arbustive rade e/o degradate	47	69	80	86
Prateria alpina	54	74	84	89
Prato-pascolo	49	69	79	84
Prati irrigui	30	58	71	78
Affioramenti rocciosi	100	100	100	100
Detriti di falda a piccoli blocchi	68	79	86	89
Detriti di falda a grandi blocchi	71	82	89	92
Ghiacciai e nevai	100	100	100	100
Aree umide, specchi d'acqua e corsi d'acqua	100	100	100	100
Aree percorse da incendio	68	79	86	89
Colture arboree	70	79	84	88
Colture agrarie	62	75	82	85
Colture terrazzate	55	68	75	78
Centri abitati, aree industriali e artigianali	77	85	90	92
Infrastrutture, viabilità principale e secondaria	82	90	95	97
Area verde urbana	64	75	83	85
Aree estrattive	68	79	86	89
Discariche	-	-	-	-
Depositi morenici	71	82	89	92

Prima di applicare i coefficienti CN(AMCII) ottenuti, deve essere stabilita la condizione di umidità antecedente l'evento analizzato (Tabella 3) e situarsi in una delle condizioni

AMC previste. L'eventuale trasformazione di CN(AMCII) in CN(AMCI) o CN(AMCIII) è facilmente attuabile tramite le seguenti relazioni empiriche:

$$CN(AMCI) = \frac{4,2 \cdot CN(AMCII)}{10 - 0,058 \cdot CN(AMCII)} \text{ e}$$

$$CN(AMCIII) = \frac{23 \cdot CN(AMCII)}{10 + 0,13 \cdot CN(AMCII)}.$$

L'applicazione al caso del bacino sotteso dal Cantarana conduce ai seguenti risultati medi:

Tabella 7 – Sintesi finale dei parametri adottati

Copertura vegetale media	Classe di permeabilità media	CN AMC(II)	CN AMC(I)	CN AMC(III)
Bosco fitto sui versanti con centro abitato in fondovalle	Classe B	60	40	78

Nel presente studio ci si è posti nelle condizioni più sfavorevoli (AMCIII), in modo da simulare l'occorrenza di un evento intenso in condizioni di elevata saturazione del suolo.

L'applicazione di un modello a parametri concentrati, e cioè mediati sulla superficie totale di ogni bacino, richiede il calcolo di un valore di CN medio per ogni bacino studiato, operazione facilitata dalla grande uniformità di coperture vegetali ricoprenti i versanti in esame.

Come introdotto, il calcolo distribuito della pioggia netta è stato effettuato tramite il software Hec-HMS 3.0.1, il quale separa uno ietogramma netto a partire da quello totale

(Figura 1) applicando l'equazione $P_e = \frac{(P - I_a)^2}{(P - I_a + S)}$, con $S = 25,4 \cdot \left(\frac{1000}{CN} - 10 \right)$ ad indicare la saturazione ed $I_a = (0 \div 0,2) \cdot S$ ad indicare le perdite iniziali.

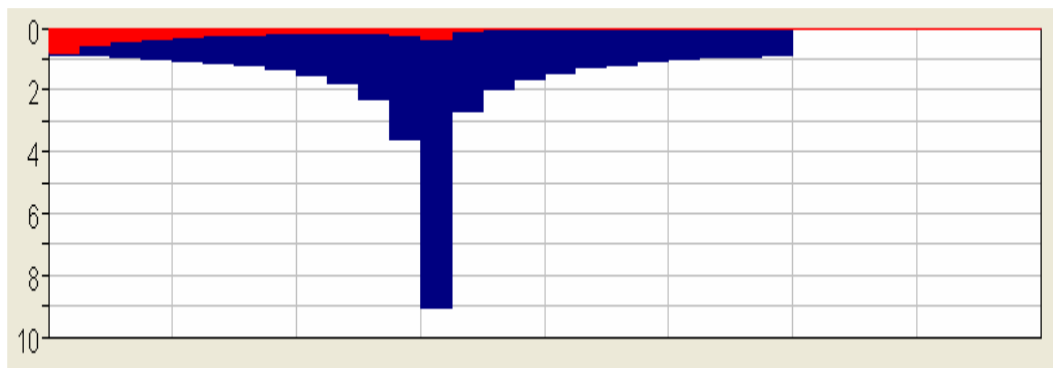


Fig.2 – Esempio di ietogramma in mm, prodotto da Hec-HMS, per Δt di 15 minuti. In blu sono indicate le piogge nette, in rosso le perdite.

Il volume d'acqua che defluirà nella sezione di chiusura è immediatamente ricavabile dallo ietogramma netto ottenuto, ma è molto più impegnativo comprendere come tale volume si distribuirà temporalmente durante l'evento e quale sarà il picco di portata che si genererà di conseguenza. Le principali variabili influenzanti il problema sono l'andamento dell'intensità di precipitazione, l'estensione del bacino, la durata dell'evento e la quantità d'acqua che viene immagazzinata nel bacino (sui versanti e nel reticolo idrografico).

Tra i vari metodi a disposizione per il calcolo della trasformazione afflussi netti-deflussi è stato scelto il metodo dell'idrogramma unitario dell'SCS.

Per effettuare il calcolo con tale metodo si rende necessario ottenere il parametro detto tempo di ritardo o lag time T_L , il quale è a sua volta ricavabile dal tempo di corrivazione T_C come $T_L \approx 0,6 \times T_C$.

Il tempo di corrivazione viene ottenuto comparando alcune tra le principali formule empiriche a disposizione in letteratura:

- formula di Giandotti:

$$T_C = \frac{4\sqrt{S} + 1,5L}{0,8\sqrt{H}}$$

dove:

T_C = tempo di corrivazione [ore];

S = area del bacino idrografico [kmq];

L = lunghezza dell'asta principale [km];

H = altitudine media del sottobacino riferita alla sezione di chiusura [m].

- formula proposta dall'SCS statunitense:

$$T_C = \frac{0,00227 \cdot L^{0,8} \cdot \left(\frac{1000}{CN} - 9 \right)^{0,7}}{\sqrt{i_v}}$$

Le ridotte dimensioni dei sottobacini che recapitano la loro portata nel canale Cantarana inducono a ritenere che il reticolo vada in crisi per eventi brevi ed intensi piuttosto che per fenomeni di lunga durata. Inoltre è noto che le massime portate di piena in un bacino idrografico si osservano per tempi di pioggia maggiori o uguali al tempo di corrivazione. La combinazione delle precedenti considerazioni permette di assegnare come durata dell'evento pluviometrico di progetto il valore di 1 ora. Tale evento verrà analizzato per le intensità corrispondenti a tempi di ritorno di 20, 100, 200 e 500 anni. I valori di portata ottenuti con riferimento alle formulazioni espone precedentemente sono riportati di seguito:

Tabella 8 – Portate massime in ingresso nel canale Cantarana per i principali sottobacini**COMBALOSSA**

Area bacino 3,24 pendenz 0,17 Lungh 3,68 Hmax 1485 hmin 368

			interpolazione celle PAI		
T_r	a	n	t_c	t_L	Q_p
20	42,13	0,412	0,72	0,43	13,51
100	53,64	0,412	0,72	0,43	19,58
200	58,57	0,413	0,72	0,43	22,34
500	64,99	0,413	0,72	0,43	26,13

MARGARA

Area bacino 0,65 pendenz 0,5 Lungh 0,78 Hmax 1130 hmin 392

			MAGIPO stazione n°1385 - S. Valeriano		
T_r	a	n	t_c	t_L	Q
20	40,99	0,400	0,31	0,19	5,05
100	52,17	0,399	0,31	0,19	7,34
200	56,95	0,398	0,31	0,19	8,40
500	63,25	0,398	0,31	0,19	9,83

PENTURETTO

Area bacino 0,68 pendenz 0,51 Lungh 0,85 Hmax 1230 hmin 420

Deflusso C= 0,30			MAGIPO stazione n°1385 - S. Valeriano		
T_r	a	n	t_c	t_L	Q
20	40,99	0,400	0,31	0,19	5,32
100	52,17	0,399	0,31	0,19	7,75
200	56,95	0,398	0,31	0,19	8,86
500	63,25	0,398	0,31	0,19	10,37

ARPIAT

Area bacino 1,23 pendenz 0,28 Lungh 2,03 Hmax 1390 hmin 395

Deflusso C= 0,30			MAGIPO stazione n°1385 - S. Valeriano		
T_r	a	n	t_c	t_L	Q
20	40,99	0,400	0,45	0,27	7,88
100	52,17	0,399	0,45	0,27	11,44
200	56,95	0,398	0,45	0,27	13,07
500	63,25	0,398	0,45	0,27	15,30

Alla luce degli accertamenti e delle indagini svolte in loco, dell'analisi della variazioni di morfologia del territorio e dall'accurata considerazione dell'influenza che le opere idrauliche di recente costruzione esercitano sul reticolo, i valori riportati nella precedente tabella necessitano di alcune considerazioni:

tutti i rii oggetto d'indagine, ad esclusione del rio Arpiat e del torrente Combalossa, pur facendo parte del bacino del canale Cantarana, non presentano una confluenza diretta e localizzabile sul canale stesso e quindi non è stato possibile stabilire con certezza se la portata calcolata in precedenza defluisca interamente nel Cantarana o venga dispersa nelle zone prossime allo sbocco in valle. Parimenti non è stato possibile definire, all'interno del modello, la posizione esatta del punto di confluenza.

I valori di portata di picco precedentemente ottenuti si riferiscono al puro apporto idrologico, ma è necessario altresì contemplare le mutazioni che tali valori subiscono a causa della predisposizione delle opere idrauliche di recente costruzione nei tratti a monte del territorio comunale di Vaie.

Per quanto riguarda il rio Vignassa è stata presa in esame la costruzione di un canale scolmatore che adduce nel canale Alberile e che convoglia una portata $Q = 18 \text{ m}^3/\text{s}$ durante eventi con tempo di ritorno $T = 200$ anni. In realtà il piano di protezione civile in caso di eventi alluvionali prevede che venga interrotta l'adduzione del canale Alberile nel Torrente Dora; in conclusione le portate defluenti dal rio Vignassa verso il canale Cantarana ($Q = 0,2 \text{ m}^3/\text{s}$) rimangono limitate permettendo un forte contenimento dell'influenza che tale rio eserciterebbe nei tratti a valle.

Le portate in arrivo dai rii Trona e Bonetto verranno laminate da una cassa di espansione allestita in loc. Mareschi di Sant'Antonino, la quale ridurrà il colmo di piena in arrivo al canale Cantarana fino ad un valore massimo che, in virtù delle informazioni fornite dal progettista ing. Truffa Giachet, si stima pari a $Q = 8,57 \text{ m}^3/\text{s}$ per un tempo di ritorno di 200 anni.

6. Studio idraulico e definizione dei livelli idrometrici

Il problema idraulico consiste nel calcolo della quota del pelo libero della corrente in corrispondenza dell'assegnato idrogramma di piena, in modo da verificare quali siano le possibili aree esondabili.

Lo schema di calcolo adottato è quello di moto vario quasi-bidimensionale, cioè uno dei più accurati dal punto di vista della descrizione fisica dei fenomeni. Le principali caratteristiche dello schema di moto vario quasi-bidimensionale sono, in primo luogo, la possibilità di immettere valori di portata variabili nel tempo e di non ricorrere alle semplificazioni tipiche dello schema di moto permanente.

Tale schema di calcolo è stato applicato ricorrendo al software FLO-2D, il quale si basa sull'integrazione, secondo il metodo delle differenze finite, del sistema di equazioni differenziali di De Saint Venant ad una dimensione:

$$\begin{cases} \frac{\partial h}{\partial t} + \frac{\partial h V_x}{\partial x} = q \\ S_{fx} = S_{ox} - \frac{\partial h}{\partial x} - \frac{V_x}{g} \cdot \frac{\partial V_x}{\partial x} - \frac{1}{g} \cdot \frac{\partial V_x}{\partial t} \end{cases}$$

ove h è l'altezza del tirante idrico, V_x è la componente lungo la direzione di flusso della velocità media, q è la portata in ingresso nel volume di controllo, S_{ox} è la pendenza della superficie su cui scorre il fluido, S_{fx} è la cadente piezometrica depurata dalla pendenza del fondo e g è l'accelerazione di gravità. La simulazione avviene computando il trasferimento dell'idrogramma di piena lungo un canale naturale a sezione variabile, riferendosi essenzialmente ad un moto di tipo monodimensionale, come quello trattato dai codici di calcolo più diffusi (es. HEC-RAS). Nel caso in cui la sezione idrica del canale non sia più in grado di contenere l'intera portata defluente, il modello passa a simulare il fenomeno di overbanking e a trasmettere la portata in eccesso ad un sistema di celle rappresentanti la zona alluvionale adiacente al canale.

In questa fase il deflusso diventa di tipo "overland", ovvero caratterizzato da tiranti limitati e dall'assenza di confinamento laterale; in tal caso il comportamento del fenomeno diventa fortemente dipendente dalla topografia dell'area esondabile e dalle eventuali ostruzioni o deviazioni che la corrente incontra sul suo percorso. A tal proposito FLO-2D permette l'inserimento di ulteriori elementi per la descrizione del dominio computazionale: strade, strutture idrauliche, arginature, edifici, elementi che causano la deviazione del flusso, etc.

Le ipotesi di base che devono essere verificate perché sia lecito affidarsi allo schema modellistico precedentemente descritto sono:

- moto stazionario per la durata del passo di integrazione temporale (assunzione rispettata in quanto lo step di integrazione temporale scende spesso fino all'ordine di grandezza dei centesimi di secondo);
- distribuzione idrostatica delle pressioni;
- il coefficiente di scabrezza (n di Manning) deriva dalla resistenza ad un moto uniforme, stazionario ed a turbolenza completamente sviluppata;
- il tratto di corso d'acqua compreso in una singola cella del dominio deve essere rappresentato da una geometria e da una scabrezza uniformi (avendo impostato

celle di dimensioni contenute anche questa semplificazione è assolutamente accettabile).

I volumi di fluido si muovono da una cella alle contigue seguendo otto possibili direzioni (le quattro ortogonali rispetto ai lati della cella, e le quattro diagonali) rispettando le equazioni di de Saint Venant e la conservazione dei volumi.

La forma differenziale delle equazioni di continuità e della quantità di moto sono risolte, in FLO-2D, mediante l'applicazione di uno schema numerico alle differenze finite centrate. L'algoritmo, di tipo esplicito, risolve l'equazione della quantità di moto rispetto alla velocità di deflusso, in corrispondenza del contorno della cella in esame e per una cella alla volta. La soluzione della forma differenziale dell'equazione della quantità di moto è il risultato della rappresentazione discreta dell'equazione stessa applicata ad un singolo punto. Tali schemi numerici hanno il pregio di essere semplici da formulare, ma solitamente sono forzati a mantenere passi temporali d'integrazione temporale molto piccoli da criteri di stabilità numerica piuttosto restrittivi. Gli schemi alle differenze finite possono richiedere un considerevole tempo computazionale quando viene loro richiesto di simulare onde di piena lentamente crescenti, diversioni, canali a sezione fortemente irregolare lungo l'asta, bruschi cambiamenti di pendenza o aree di invaso caratterizzate da pendenze nulle o molto ridotte e da tiranti idrici considerevoli. Per questo motivo richiedono l'utilizzo di calcolatori elettronici di ultima generazione, in grado di eseguire vari milioni di operazioni al secondo.

Il dominio computazionale viene discretizzato in una griglia composta da elementi quadrati e uniformi. Il processing del deflusso di tipo overland, consiste nel calcolo della portata in trasferimento attraverso ognuna delle otto direzioni potenziali che dipartono dal centro di ogni cella, e ha inizio con una stima lineare del tirante idrico sul contorno stesso della cella. Tale stima viene effettuata mediando le altezze d'acqua presenti nelle due celle che stanno condividendo la portata secondo una delle potenziali direzioni di deflusso. Anche altri parametri idraulici vengono successivamente stimati linearmente (facendo una media tra i parametri delle due celle in esame) per ottenere la velocità di flusso: l'indice di resistenza al moto (n di Manning), l'area di deflusso, la pendenza, la quota del pelo libero e il perimetro bagnato. La velocità del deflusso attraverso il contorno dell'elemento viene dunque calcolata come soluzione dell'equazione del moto: la portata è calcolata ad ogni passo temporale come il prodotto tra la velocità di deflusso istantanea e l'area di deflusso mediata tra i due elementi.

Ne consegue come la variazione netta del volume d'acqua contenuto in ogni elemento della griglia costituente la superficie topografica, tra un istante t e il successivo $t+1$, sia la somma algebrica delle otto portate defluenti lungo le otto diverse potenziali direzioni di deflusso. Per quanto invece riguarda gli elementi costituenti i corsi d'acqua o le strade, le potenziali direzioni di deflusso sono solo due (a meno che non vi sia presenza di immissioni, diversioni o incroci), e perciò la variazione netta di volume invasato risulta essere la semplice differenza tra volume in ingresso e volume in uscita.

La forma completa dell'equazione del moto (detta "full dynamic wave equation") è un'equazione differenziale alle derivate parziali, del secondo ordine, non lineare; per risolverla rispetto alla velocità di flusso si ricorre ad una stima iniziale della velocità stessa, ottenuta utilizzando la seguente approssimazione dell'equazione del moto:

$$S_{fx} = S_{ox} - \frac{\partial h}{\partial x},$$

la quale è nota come “diffusive wave equation” ed è ottenuta trascurando la somma degli apporti delle forze di massa lungo l’asse x. Ne consegue che per stimare inizialmente la velocità all’istante t, l’algoritmo si basa sulla pendenza media del pelo libero (ottenuta come semplice somma della pendenza della superficie topografica e del gradiente del carico piezometrico), la quale viene utilizzata come valore iniziale all’interno di una routine che applica il metodo della tangente di Newton-Raphson di secondo ordine per trovare le radici dell’equazione del moto completa. Nell’eventualità per cui il metodo di Newton-Raphson non converga dopo tre iterazioni successive, viene mantenuta la soluzione ottenuta secondo la “diffusive wave equation”. Va ricordato inoltre che l’indice di scabrezza viene calcolato affidandosi all’equazione di Manning:

$$V = \frac{1}{n} \left(\frac{A}{B} \right)^{\frac{2}{3}} \cdot S^{\frac{1}{2}},$$

la quale è riferita ad un moto di tipo uniforme, per il quale il pelo libero e la linea dei carichi totali hanno pendenza uguale alla pendenza della superficie topografica.

Nella “full dynamic wave equation”, il termine di accelerazione locale $\frac{1}{g} \cdot \frac{\partial V_x}{\partial t}$ rappresenta la differenza tra la velocità lungo una direzione data (ad esempio verso nord) V_{nord} che si rileva in un punto k all’istante t, e quella che era stata rilevata all’istante t-1, e cioè $\frac{\Delta(V_{nord,t} - V_{nord,t-1})_k}{(g \cdot \Delta t)}$.

Il termine di accelerazione convettiva $\frac{V_x}{g} \cdot \frac{\partial V_x}{\partial x}$, è invece valutato come la differenza di velocità che si è manifestata all’interno della cella k nell’istante t-1, e cioè $V_{nord} \cdot \frac{\Delta(V_{nord} - V_{sud})_{k,t-1}}{(g \cdot \Delta x)}$.

Una volta ottenuto il valore di velocità, questo viene moltiplicato per l’area bagnata, così ottenendo la portata in uscita (o ingresso) dal contorno della cella lungo una determinata direzione. Dopo che la variazione di portata è stata calcolata per tutte le potenziali direzioni di deflusso e che tali valori sono stati sommati algebricamente, il risultato viene moltiplicato per la durata dello step temporale di integrazione al fine di ottenere la variazione volumetrica di invaso della cella. L’ultimo passo consiste nel distribuire la variazione di volume idrico invasato su tutta la superficie della cella, in modo da ricavare il conseguente cambiamento di tirante idrico defluente per l’istante considerato.

Sostanzialmente il flusso canalizzato rispetta lo stesso schema concettuale, con alcune eccezioni, rappresentate dalla dipendenza dell’altezza d’acqua dalla geometria delle sezioni bagnate e dalla presenza di un numero minore di celle a disposizione per il trasferimento della portata.

Per quanto riguarda la stabilità numerica del programma, un buon indice della qualità della simulazione è costituito dalla percentuale di volume idrico che sfugge ad una conservazione rigorosa: percentuali inferiori allo 0,01% sono percentuali tipiche di simulazioni sufficientemente accurate. Il rispetto della condizione di Courant-

Friedrichs-Lewy (CFL) $\Delta t = C \cdot \frac{\Delta x}{(v + c)}$, ove C è il numero di Courant (sempre minore dell'unità), Δx è la lunghezza del lato della cella, v è la velocità media calcolata dal programma nella sezione in esame e c è la celerità di propagazione di una perturbazione nel fluido, è garantita da una routine di calcolo interna al codice, la quale provvede automaticamente alla riduzione del passo temporale di integrazione ogni volta che i limiti di stabilità vengono superati. Il significato fisico dell'imposizione della condizione CFL è quello di garantire che la particella di fluido non si sposti di una distanza superiore alle dimensioni della cella Δx in un intervallo di tempo Δt . Per evitare un'inevitabile propagazione di errori di macchina nel calcolo della soluzione della “full dynamic wave equation” non lineare, che avverrebbe a causa della semplice imposizione di un coefficiente $C=1$ nel criterio CFL, all'interno dell'algoritmo viene spesso fatto ricorso ad una più accurata condizione dipendente dalla pendenza del piano di scorrimento: $\Delta t = \frac{\zeta S_0 \Delta x^2}{q_0}$ (condizione di Ponce e Theurer), la quale impone un limite all'entità degli incrementi di altezza d'acqua possibili nel singolo step temporale.

Riassumendo, la soluzione implementata nell'algoritmo comprende i seguenti passaggi:

1. calcolo dell'area di deflusso media, della scabrezza media e della pendenza media tra due celle contigue;
2. stima lineare della profondità di deflusso d all'istante $t+1$ ($d_x^{t+1} = d_x^t + d_{x+1}^t$), necessaria per ricavare un valore di prima approssimazione della velocità di scorrimento attraverso il contorno della cella in esame;
3. la stima di prima approssimazione della velocità viene effettuata usando l'equazione del moto semplificata nella forma “diffusive wave”, la cui unica incognita è proprio la velocità;
4. la velocità stimata al passo 3 viene usata come start per il metodo di Newton-Raphson applicato alla ricerca delle radici della “full dynamic wave equation”;
5. la portata Q che passa attraverso il contorno viene calcolata moltiplicando la velocità per la sezione bagnata;
6. le variazioni di portata lungo le otto direzioni potenziali di deflusso vengono sommate ($\Delta Q_x^{t+1} = Q_n + Q_e + Q_s + Q_w + Q_{ne} + Q_{se} + Q_{sw} + Q_{nw}$) e la variazione di volume (portata netta $\times$ durata dello step temporale) invasato viene distribuita sull'area di cella disponibile per ottenere la variazione di altezza d'acqua nell'intervallo Δt tra t e $t+1$, e cioè: $\Delta d_x^{t+1} = \frac{\Delta Q_x^{t+1} \cdot \Delta t}{Area_k}$;
7. vengono controllati i criteri di stabilità numerica per il valore di altezza d'acqua appena ottenuto. Nel caso in cui i criteri di stabilità non vengano rispettati, il valore ottenuto per l'istante $t+1$ viene cancellato, il tempo torna all'istante t e il calcolo viene ripetuto adottando uno step Δt più ridotto (la riduzione segue leggi dipendenti dall'entità della stabilità numerica misurata sugli step precedenti);
8. la simulazione progredisce incrementando i passi temporali, a meno di superamenti dei criteri di stabilità.

La modellazione geometrica delle sezioni d'alveo è stata effettuata sulla base di rilievi topografici di dettaglio, aggiornati delle evoluzioni urbanistiche degli ultimi anni, in particolare nel tratto intermedio del Canale Cantarana, in cui sono state attuate iniziative edilizie.

7. Considerazioni sul trasporto solido

Per quanto riguarda l'entità del fenomeno del trasporto solido in un alveo torrentizio a fondo mobile, la bibliografia tecnica propone molte formulazioni; tuttavia il gran numero di parametri in gioco e la loro variabilità rende tali modelli estremamente indeterminati.

Il Servizio Assetto Idrogeologico della Regione Piemonte ha proposto ai progettisti incaricati della redazione dei progetti di sistemazione dei corsi d'acqua minori, alcuni criteri di dimensionamento delle sezioni di deflusso che tengano conto del trasporto solido.

Tuttavia nel caso specifico, in considerazione delle opere di regimazione realizzate a monte, si ritiene di non considerare incrementi di portata legati al trasporto solido.

8. Risultati dell'elaborazione e considerazioni conclusive

Occorre rilevare che, a seguito della predisposizione delle opere idrauliche nelle aree a monte del territorio comunale di Vaie, le situazioni di esondazione evidenziate nelle elaborazioni si sono complessivamente attenuate, se confrontate con i risultati dei precedenti studi.

Anche nelle aree dove permangono comunque dei fenomeni di esondazione, si riscontrano tiranti idrici di altezza decimetrica, salvo alcune eccezioni, e nel complesso le velocità sono estremamente limitate. Sulla base delle linee guida riportate nel grafico sottostante si può affermare che il grado di pericolosità delle situazioni simulate rimane limitato per tutta la durata di un evento alluvionale caratterizzato da un tempo di ritorno di 200 anni, come risulta evidente dalle elaborazioni cartografiche allegate alla presente relazione.

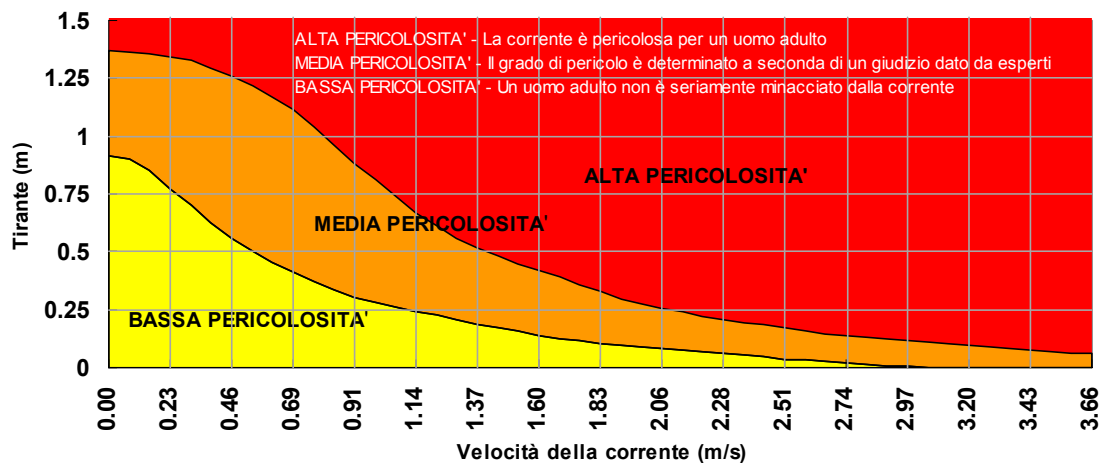


Fig.3 - Grafico tratto dalle Linee Guida sulla Pericolosità delle Esondazioni pubblicate dal Bureau of Reclamation del Ministero degli interni degli Stati Uniti.

9. Bibliografia

- L. Da Deppo, C. Datei, P. Salandin: "Sistemazione dei corsi d'acqua" - Ed. Libreria Cortina, Padova, 2000;
- V. Ferro: "La sistemazione dei bacini idrografici" - McGraw-Hill, Milano, 2002;
- W. H. Graf: "Fluvial hydraulics - Flow and transport processes in channels of simple geometry" - John Wiley & Son, New York, 1998;
- Bell F.C.: "Generalized rainfall-duration frequency relationship" – Journal of Hydraulic Engineering, ASCE, 1969
- H.S. s.r.l. Hydraulic Software: "Hydrologic modelling system HEC-HMS – Manuale d'uso", Capannori (LU).
- U. Maione: "La sistemazione dei corsi d'acqua montani" - Ed. Bios s.a.s., Cosenza, 1998;
- M. Greppi: "Idrologia" – Editore Ulrico Hoepli, Milano, 1999;
- P. Oria, G. Manzone, D. Fontan et al: "Studio sull'assetto idrogeologico della Comunità Montana Valle Sacra", 2000;
- J. O'Brien, C. Jorgensen, R. Garcia: "FLO-2D Users Manual", 2006
- CORINTEA S.c.a.r.l.: "Progetto Strategico "Manutenzione del Territorio" - Piano di manutenzione - Bacino del torrente Piova", 2002;
- Autorità di Bacino del Fiume Po: "Direttiva di progetto da assumere per la progettazione e le verifiche di compatibilità idraulica";
- Deliberazione della Giunta Regionale 15 luglio 2002 n. 45-6656, pubblicata nel suppl. al n. 30 del B.U.R.P. del 25 luglio 2002;
- Circolare del Presidente della Giunta Regionale 8 ottobre 1998, n. 14/LAP/PET "Determinazione delle distanze di fabbricati e manufatti dai corsi d'acqua, ai sensi dell'art. 96, lett. f), del T.U. approvato con R.D. 25 luglio 1904, n. 523;
- Comunicato dell'Assessore Regionale all'Ambiente, Energia, Pianificazione e Gestione Risorse Idriche, Lavori Pubblici e Tutela del Suolo - Protezione Civile "Nota Tecnica Esplicativa alla Circolare del Presidente della Giunta Regionale dell'8 maggio 1996, n° 7/LAP - L.R. 5 dicembre 1977, n. 56 e s. m. e. i. - Specifiche tecniche per l'elaborazione degli studi geologici a supporto degli strumenti urbanistici"

APPENDICE A

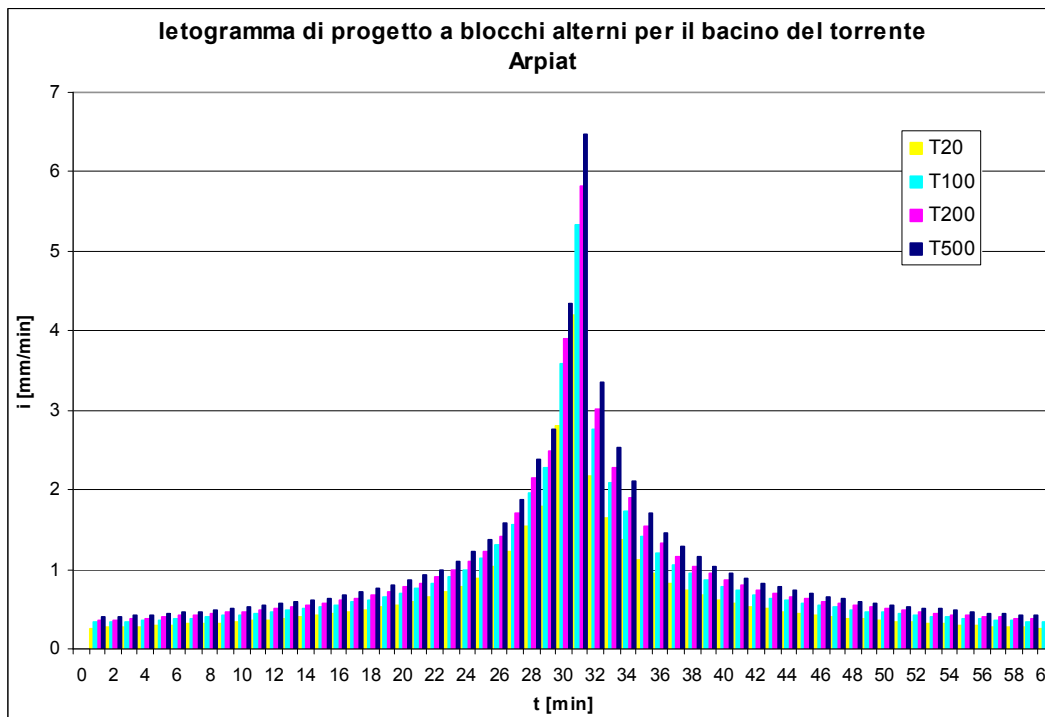
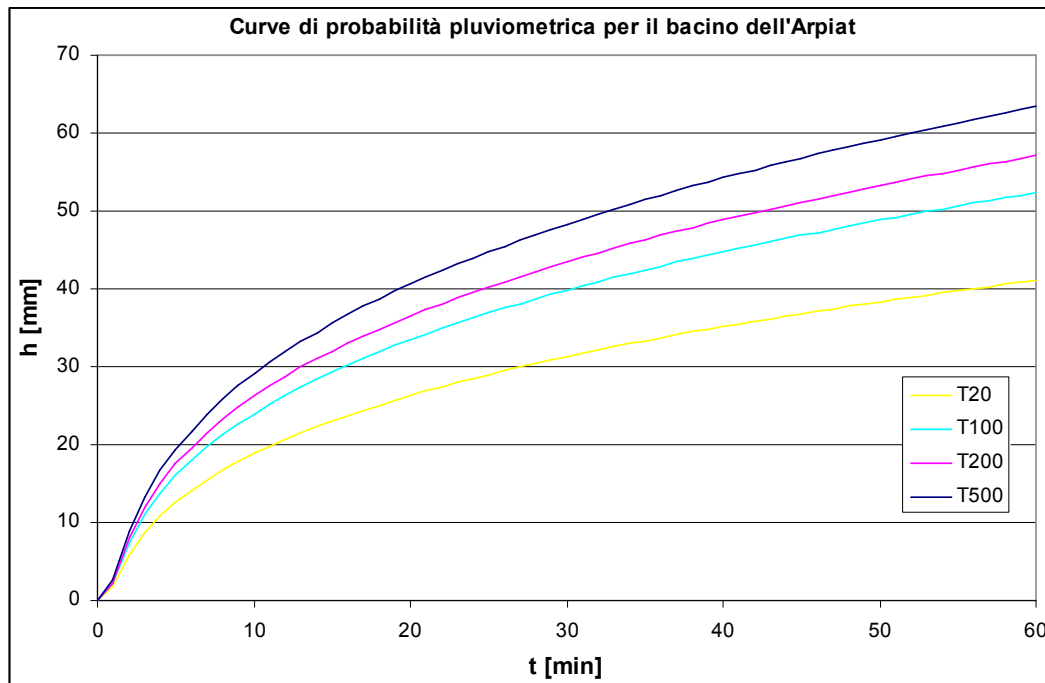
Piogge di progetto ricavate dalla regionalizzazione PAI

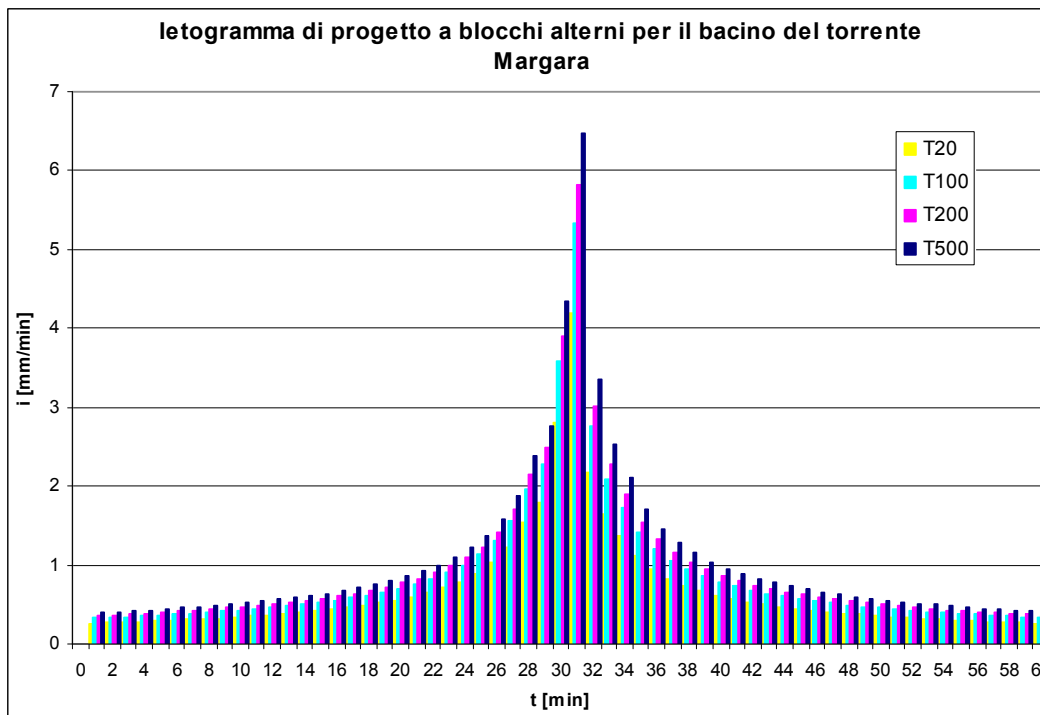
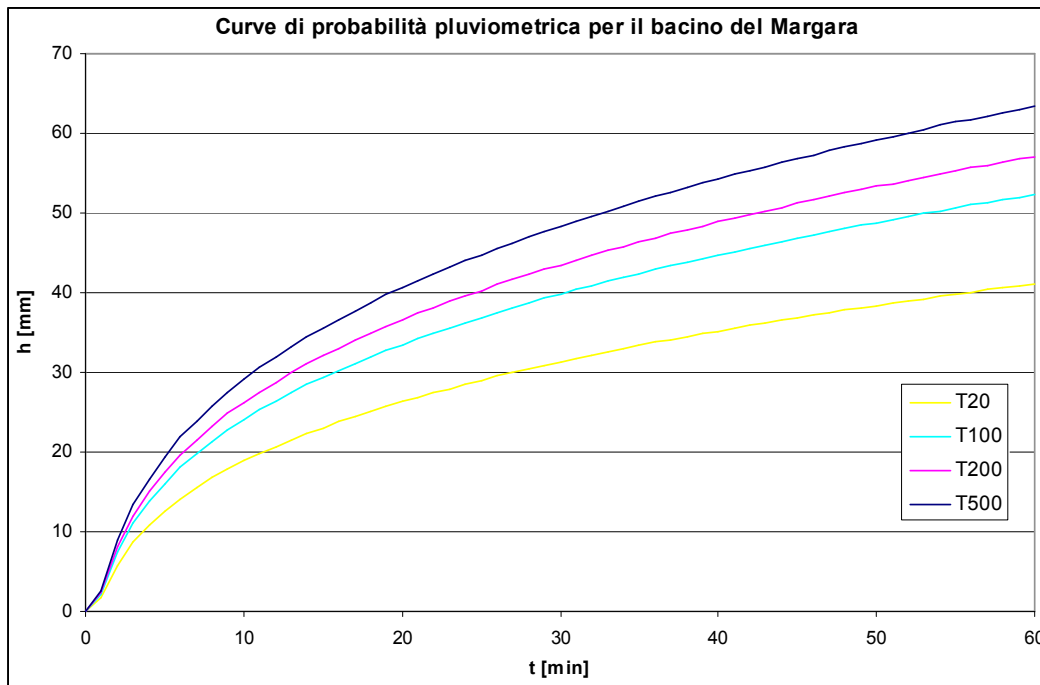
Nelle pagine che seguono sono riportate le curve di probabilità pluviometrica per i tempi di ritorno 20, 100, 200 e 500 anni, ragguagliate bacino per bacino, e gli ietogrammi di progetto a blocchi alterni da esse ricavati.

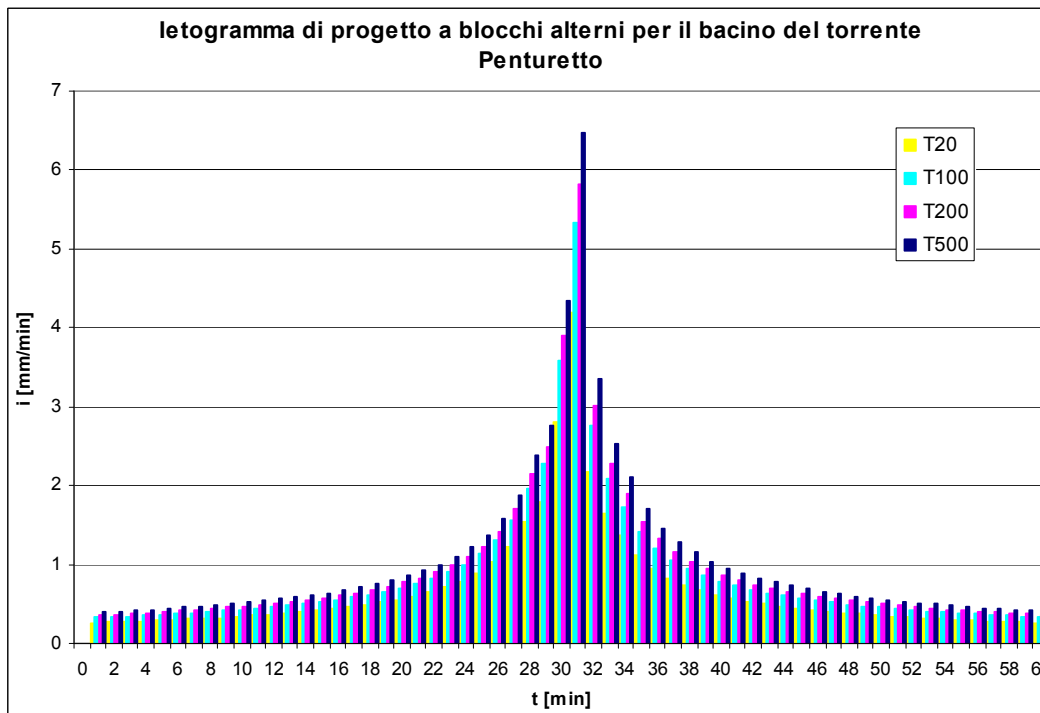
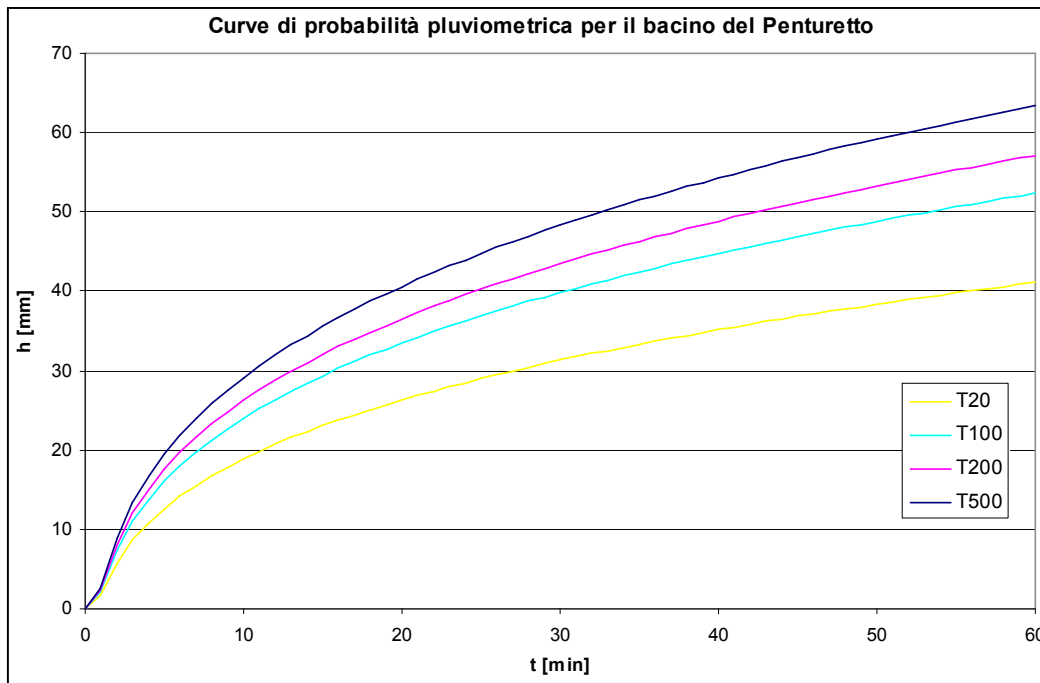
Per $t < 1\text{h}$ le curve sono state modificate secondo la correzione di Bell per l'adattamento delle leggi di probabilità pluviometrica ad eventi di durata inferiore all'ora:

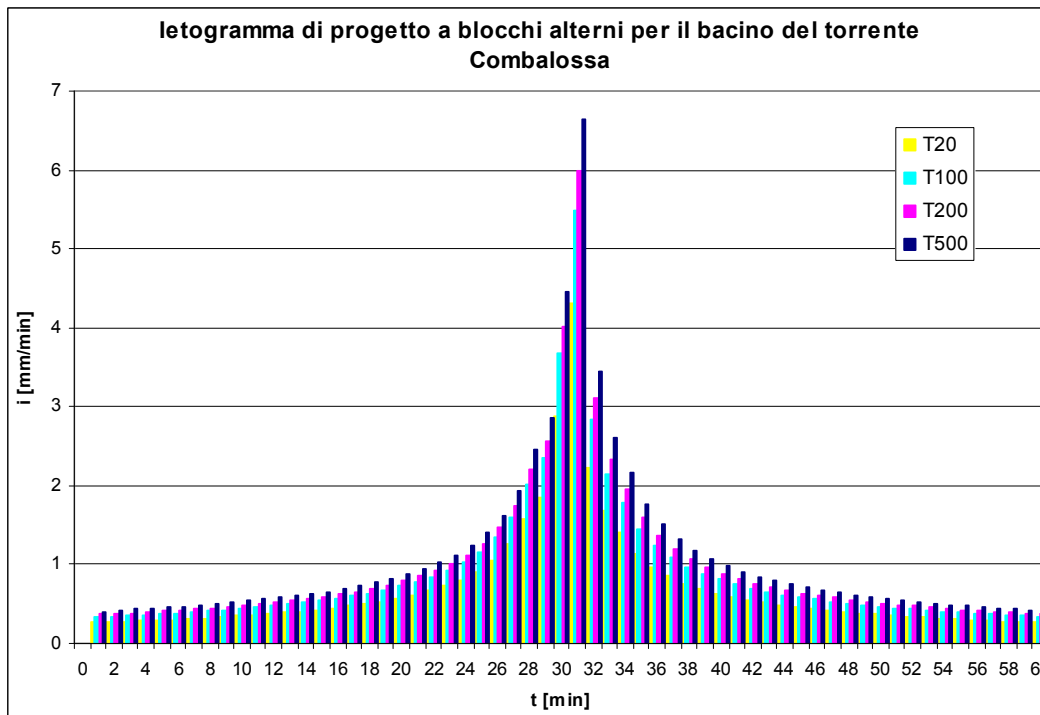
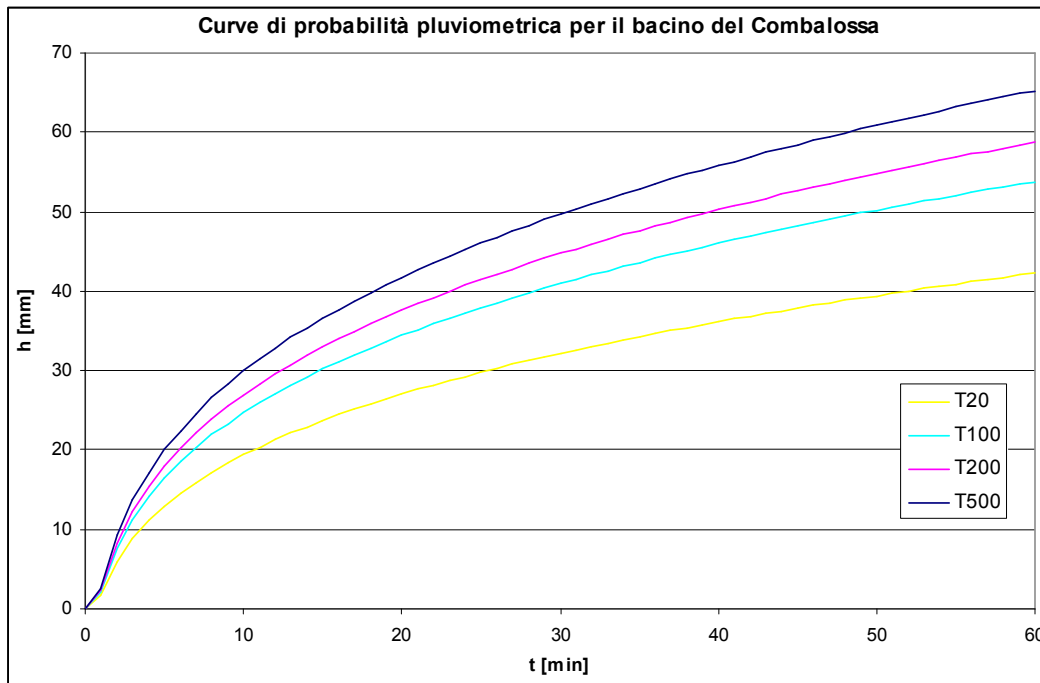
$$\frac{h_{t,T}}{h_{60,T}} = 0,54 \cdot t^{0,25} - 0,5$$

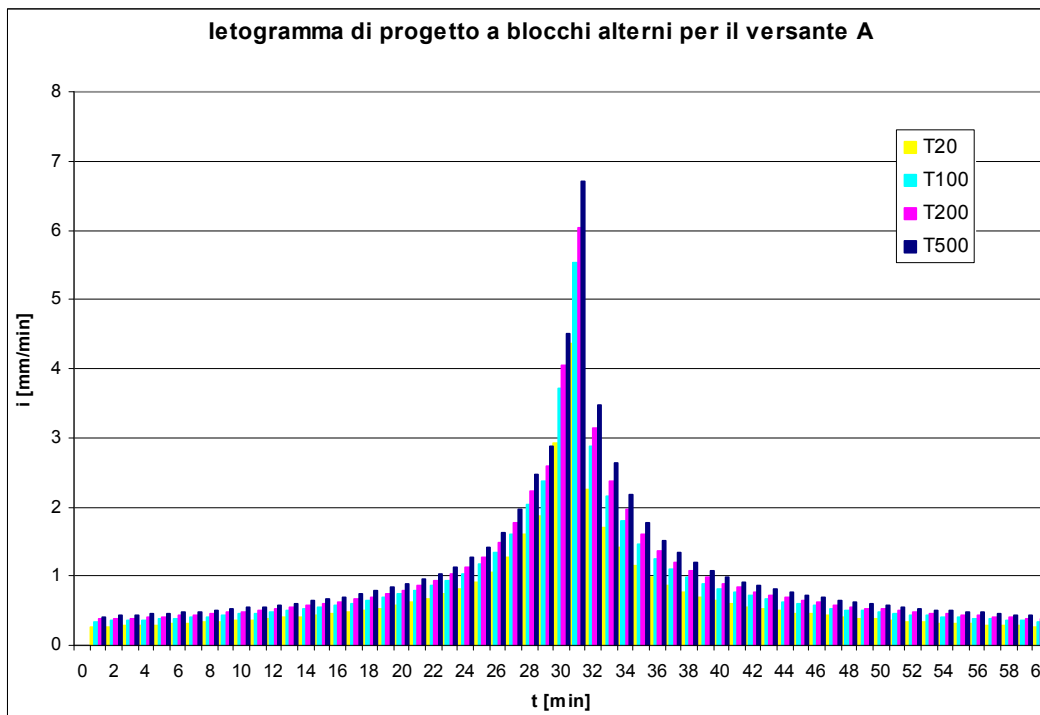
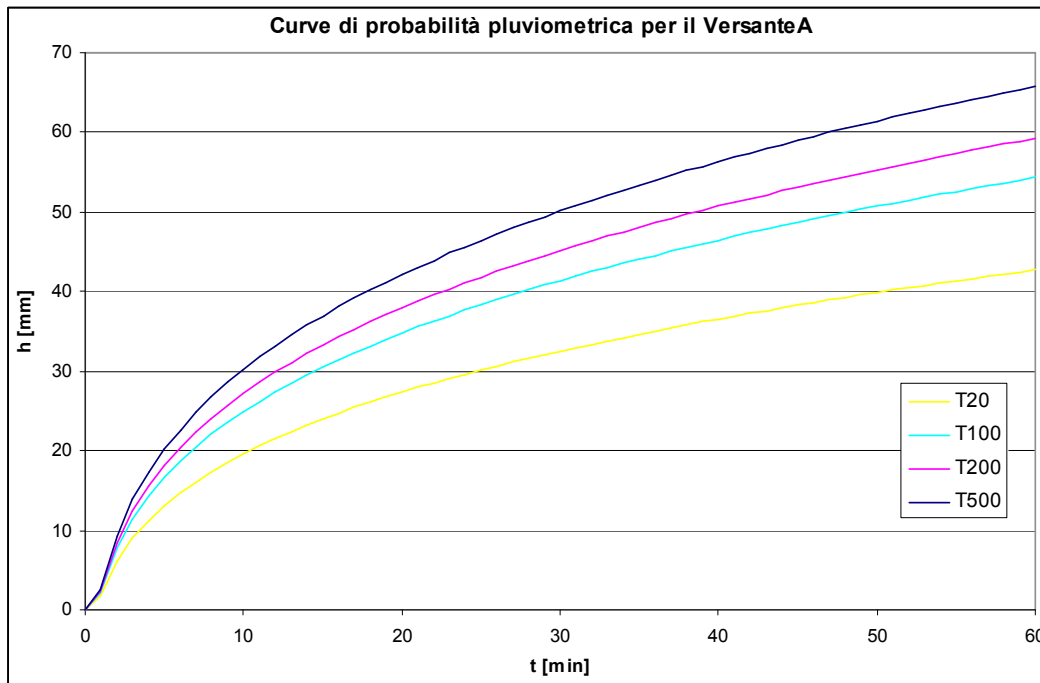
dove $h_{t,T}$ è la precipitazione cumulata al tempo t (espresso in minuti) per il tempo di ritorno T ed $h_{60,T}$ è la precipitazione cumulata dopo 60 minuti per il tempo di ritorno T .

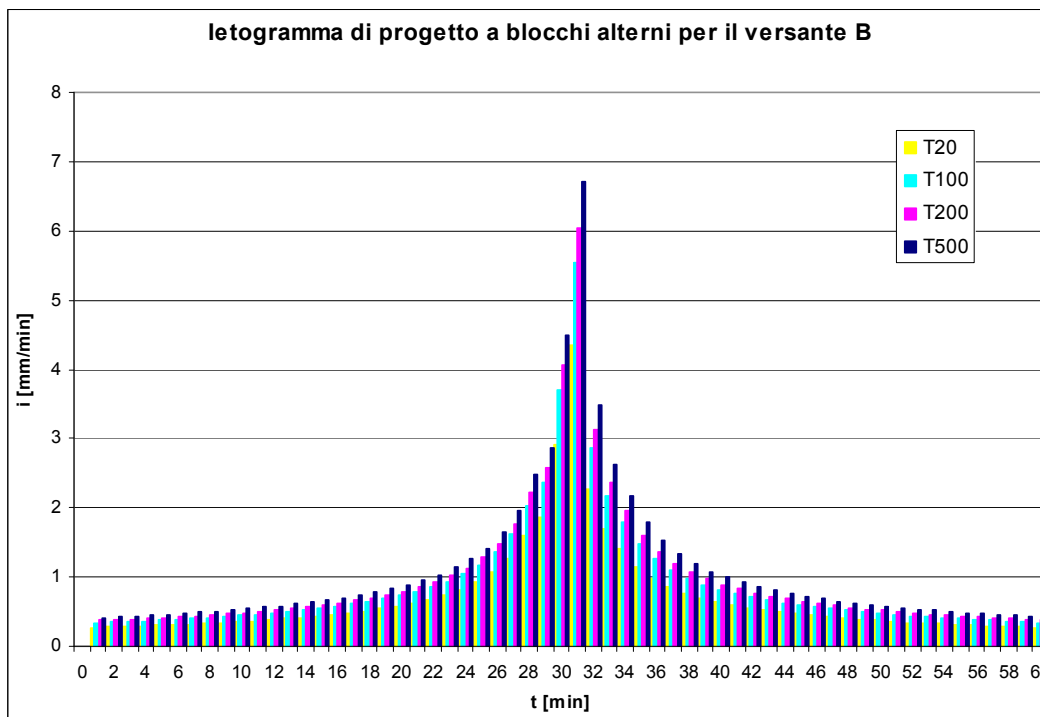
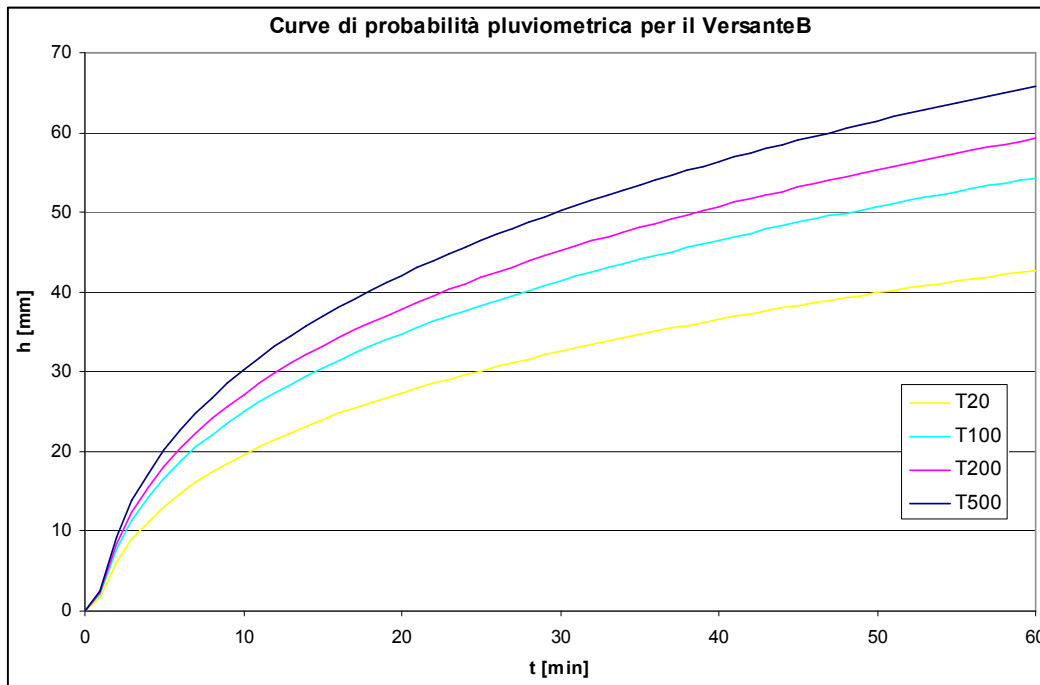


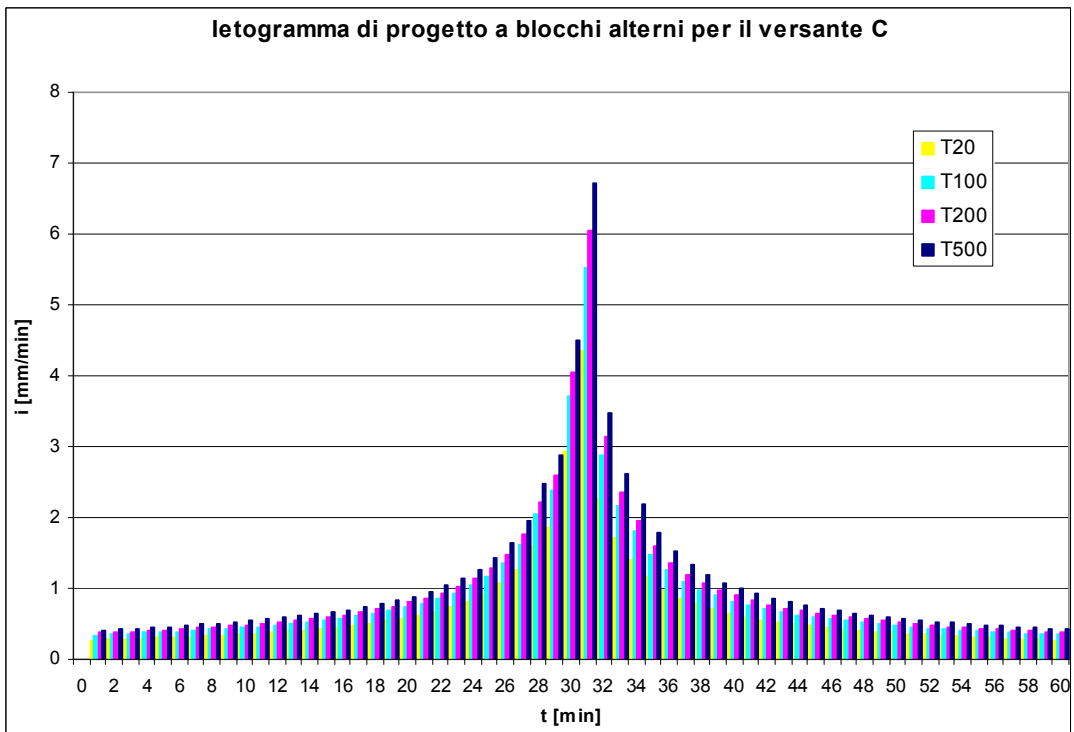
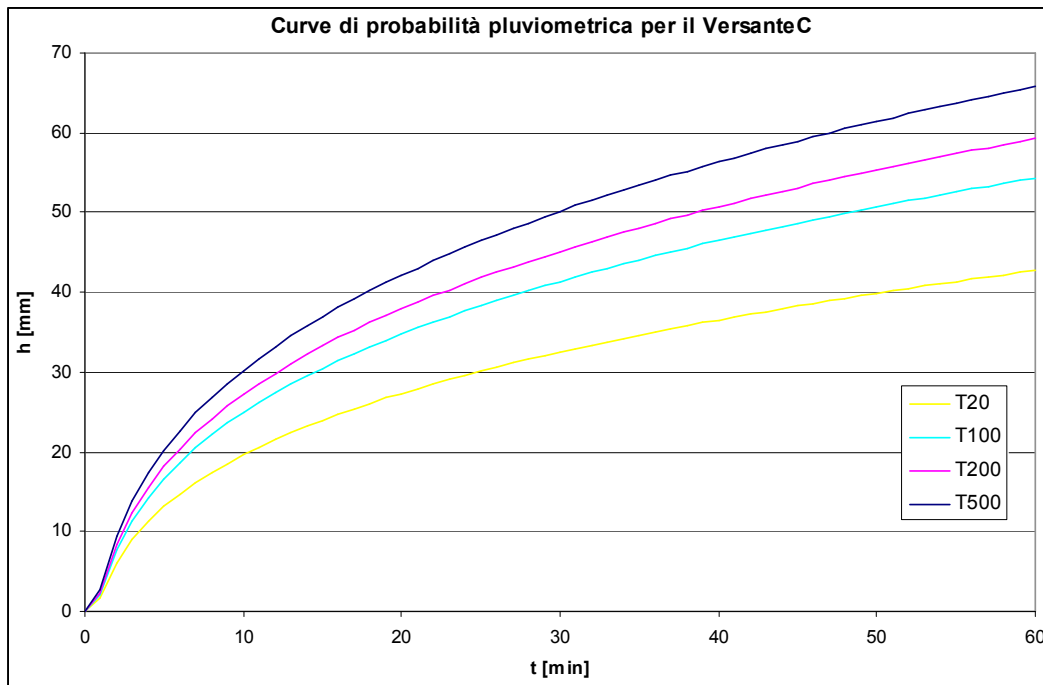


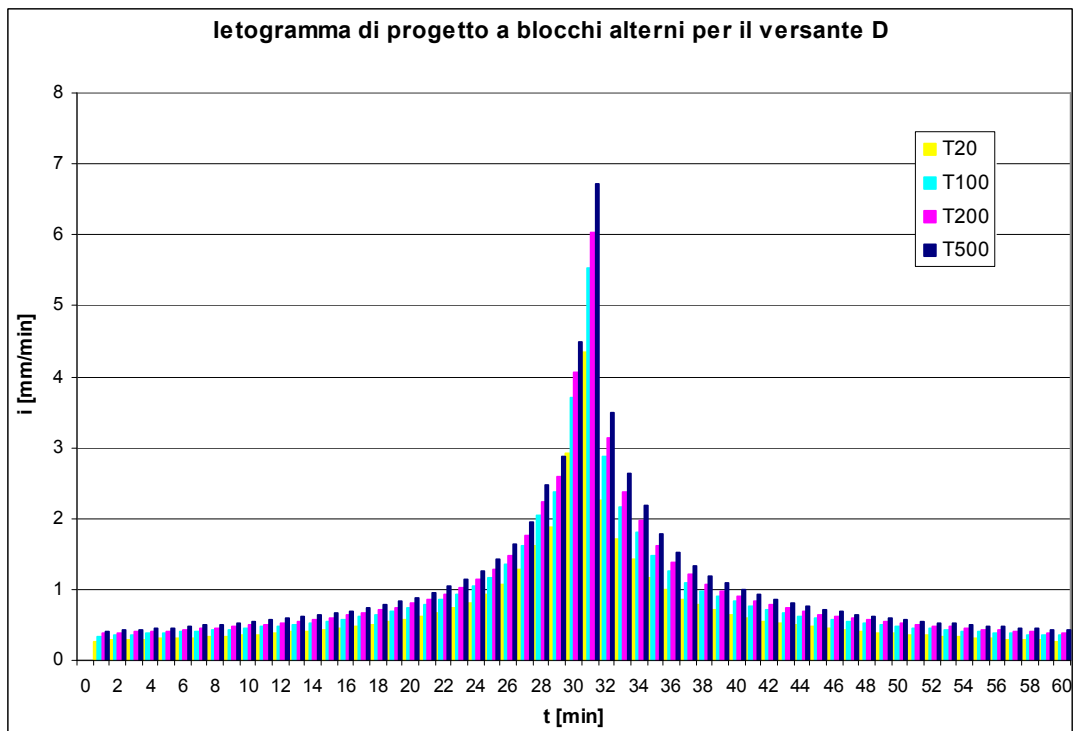
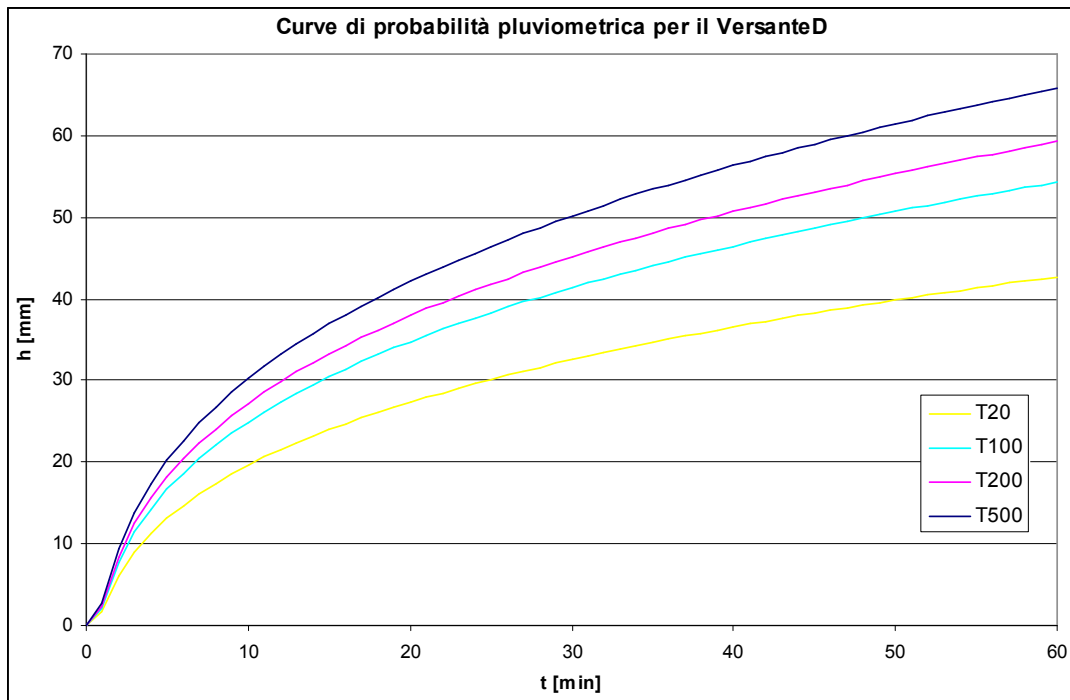


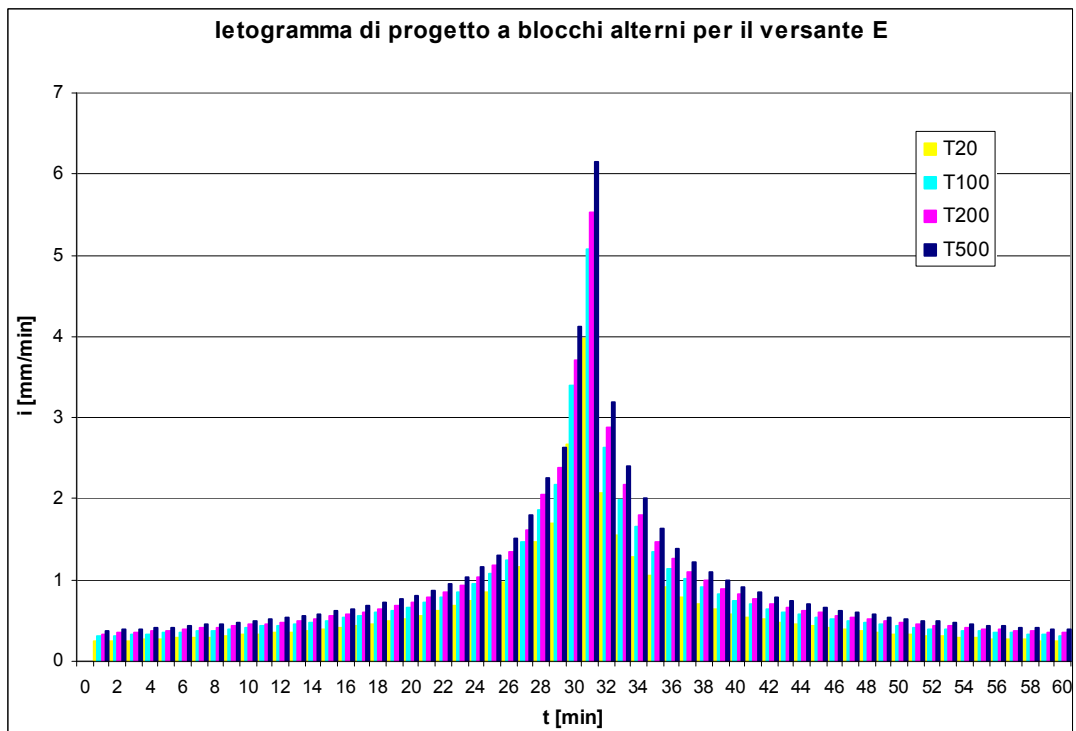
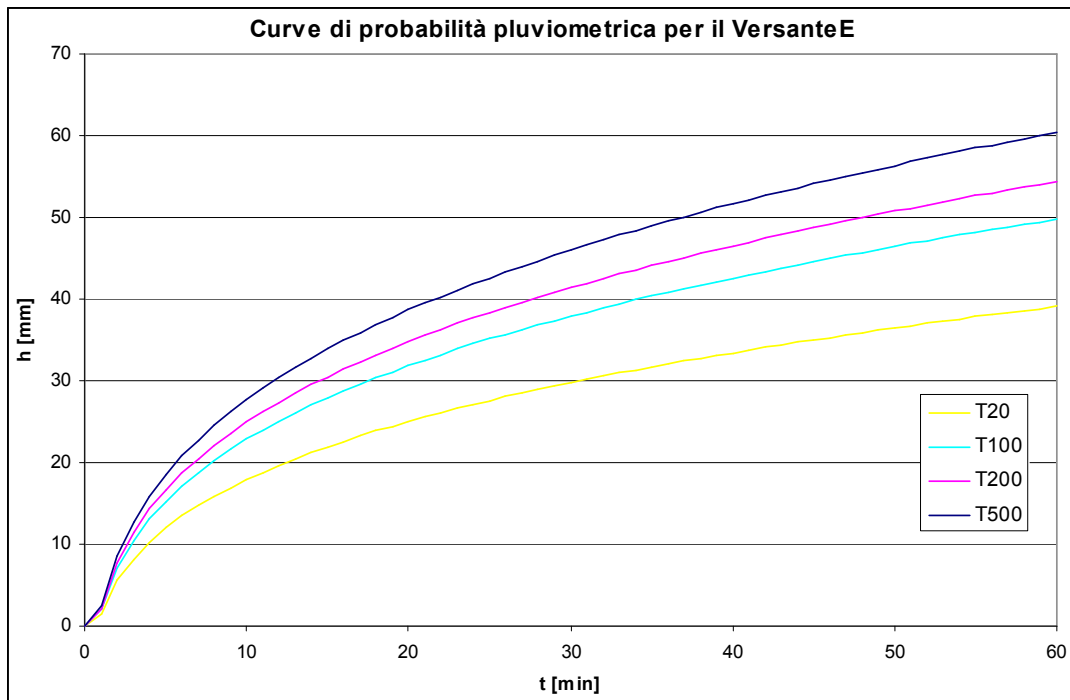












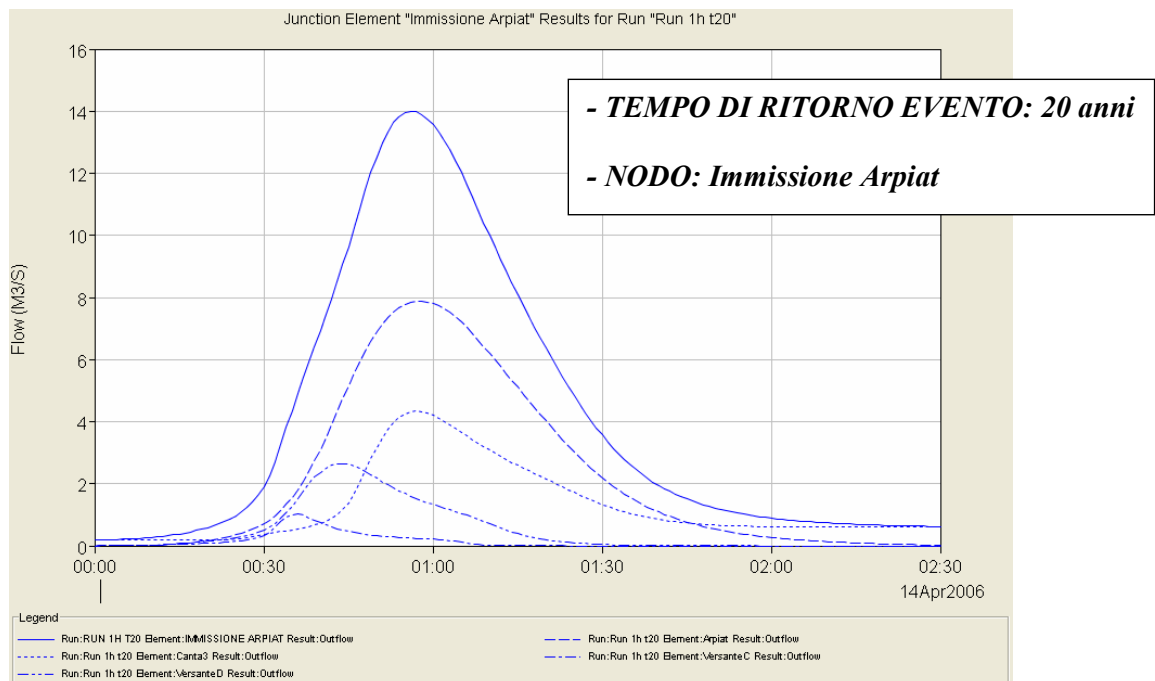
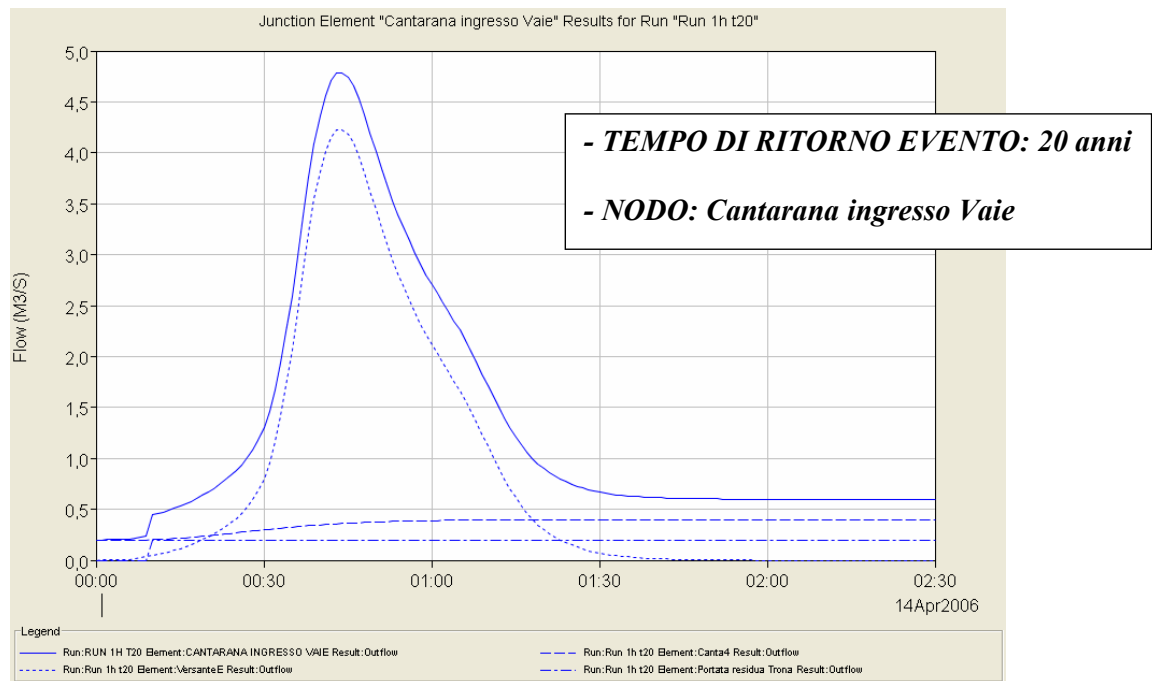
APPENDICE B

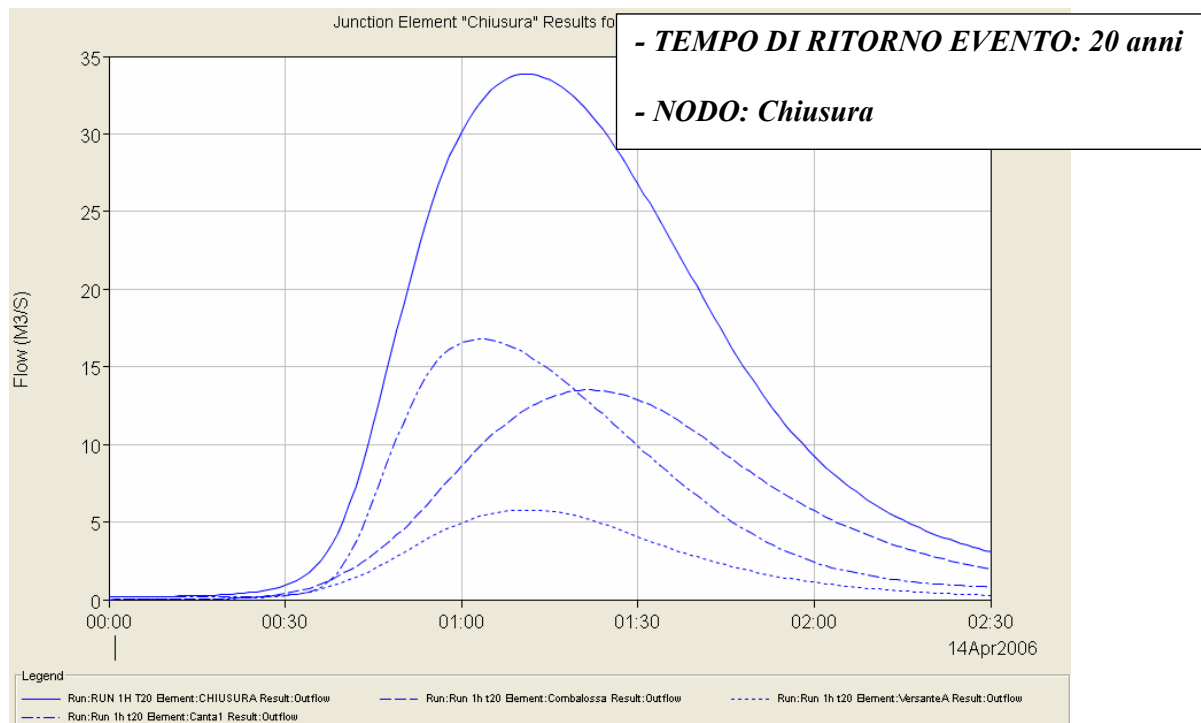
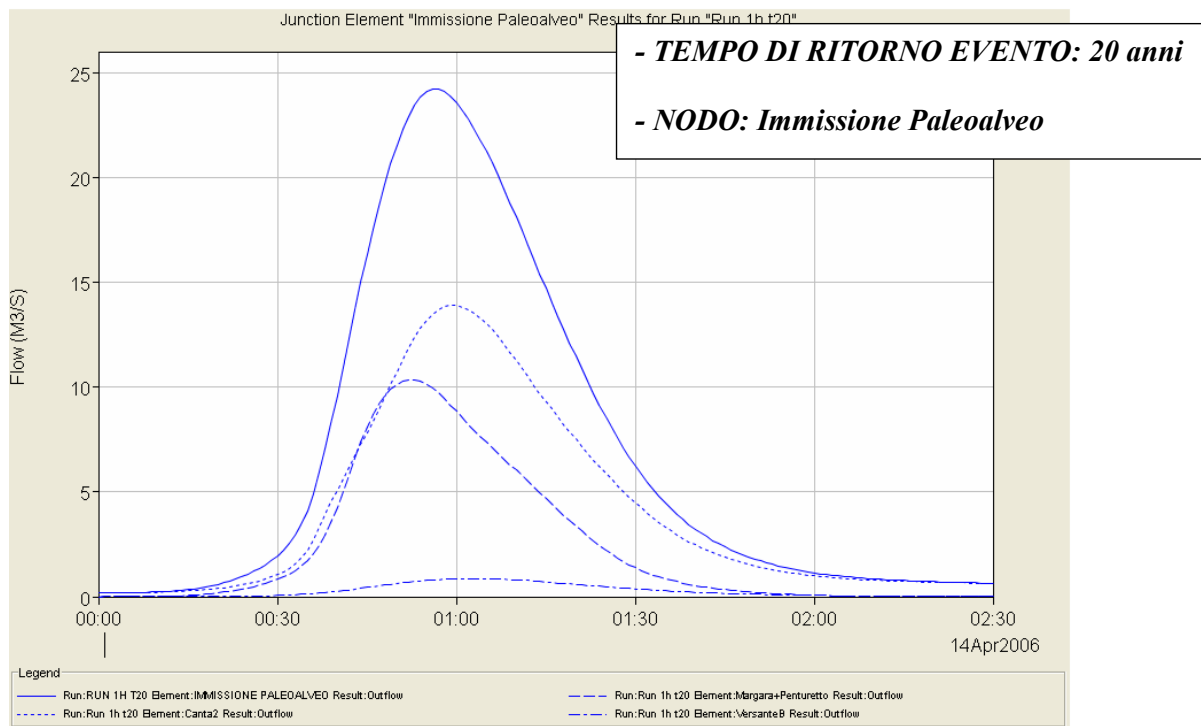
Idrogrammi di piena

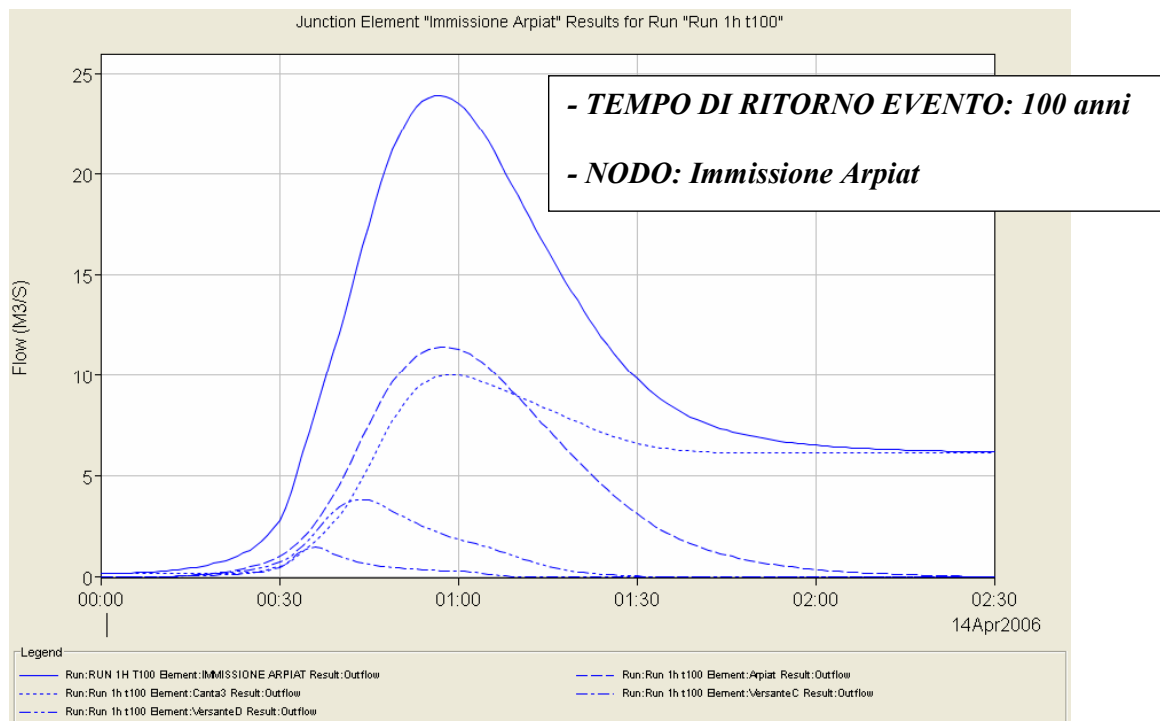
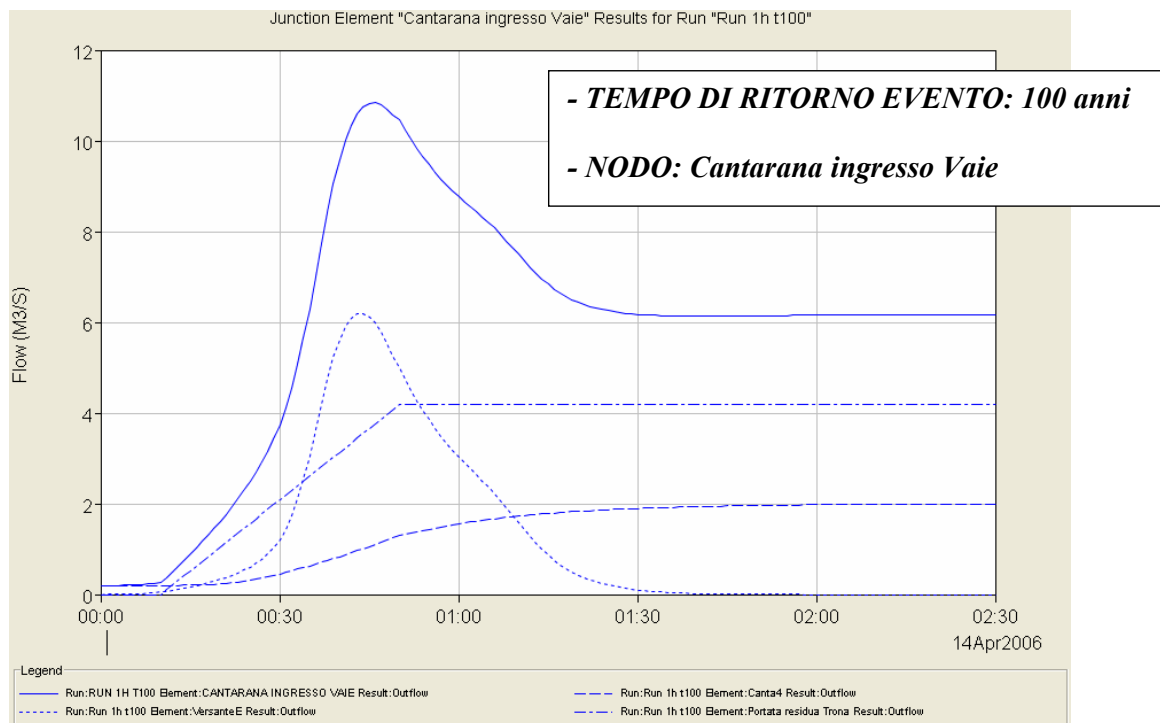
Applicando successivamente il metodo di calcolo delle perdite del Curve Number proposto dal Soil Conservation Service statunitense, e la trasformazione afflussi netti-deflussi secondo il metodo dell'idrogramma unitario SCS (anch'esso proposto dal dipartimento della Difesa del Suolo americano), sono stati ottenuti gli idrogrammi di piena riguardanti eventi pluviometrici di un'ora per i tempi di ritorno di 20, 100, 200, 500 anni.

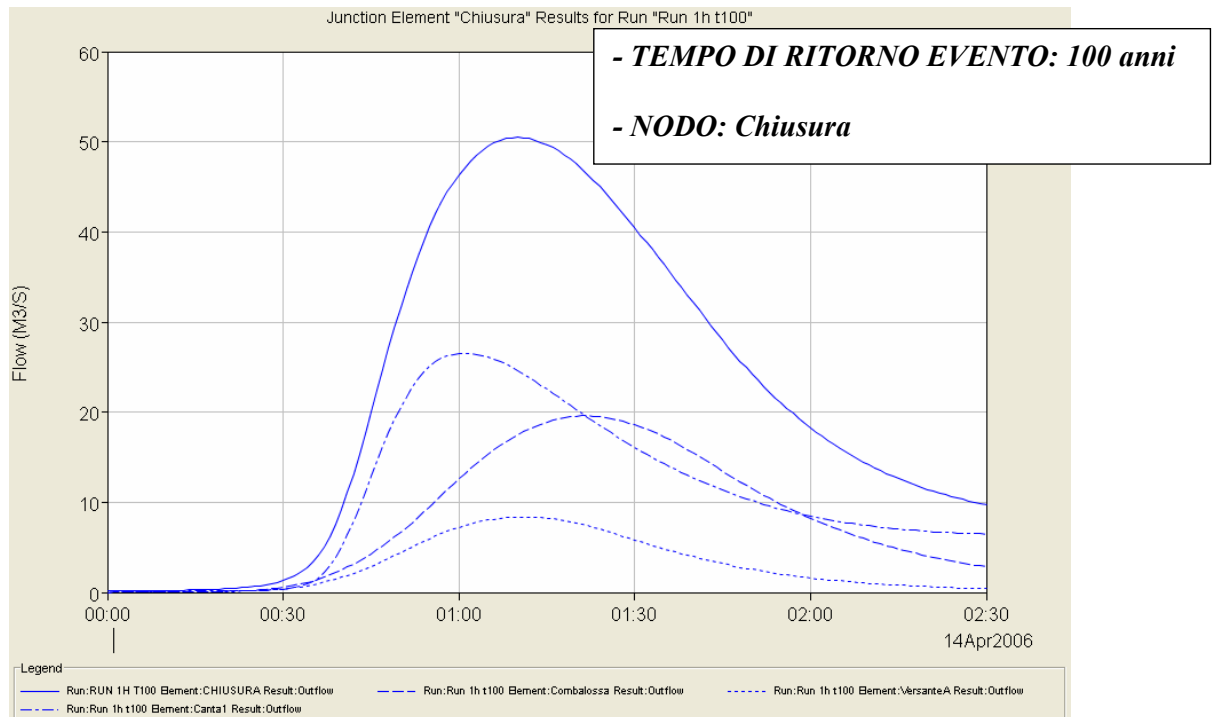
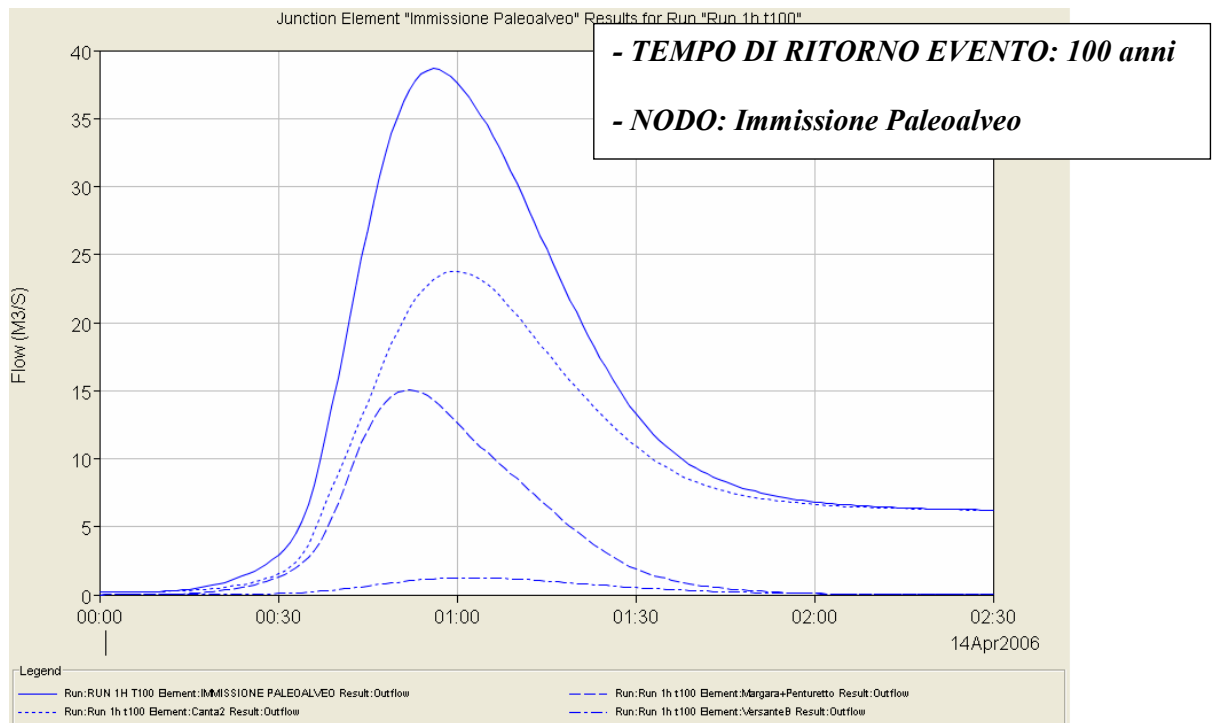
E' stato inoltre analizzato il trasferimento della portata attraverso il reticolo idrografico (applicando l'approssimazione di Muskingum – Cunge delle equazioni del de Saint Venant).

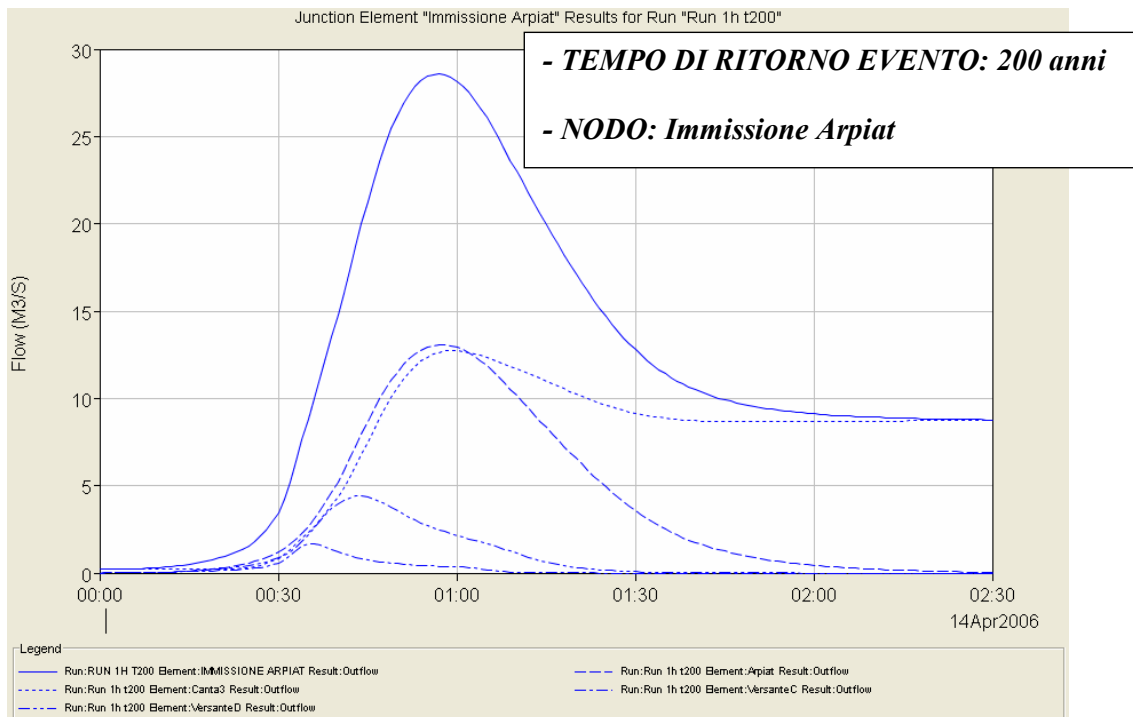
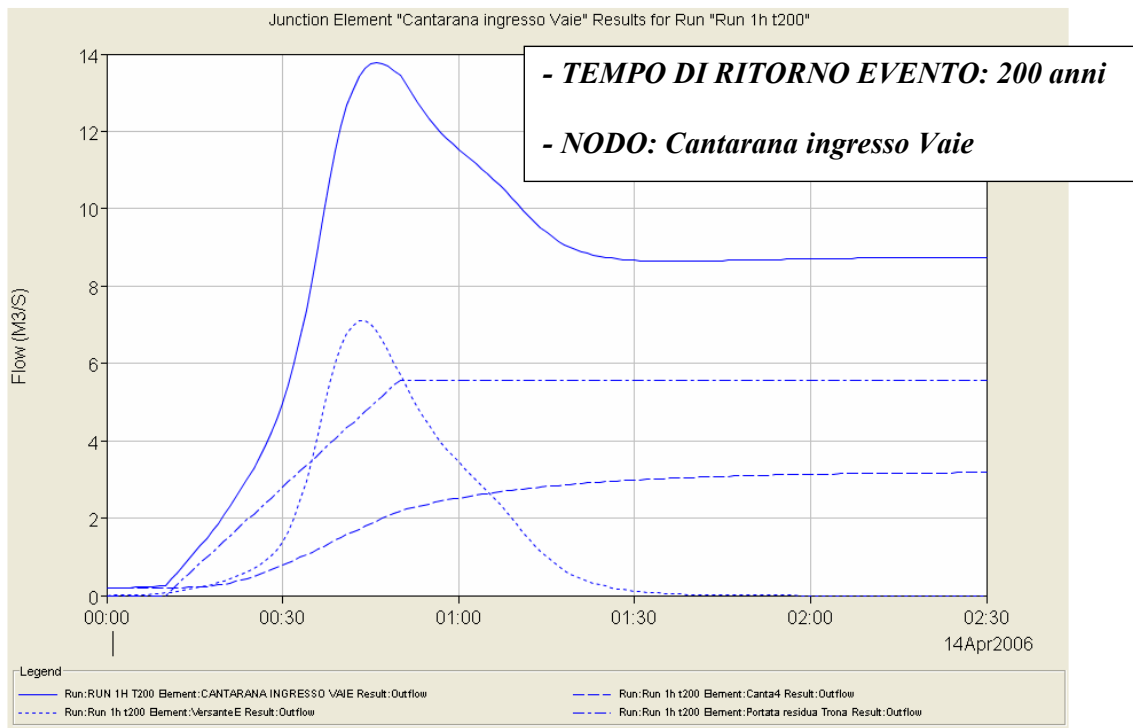
Nelle seguenti pagine verrà fornito l'andamento della portata defluente in quattro nodi idraulici particolarmente significativi che sono stati individuati lungo il corso del Canale Cantarana.

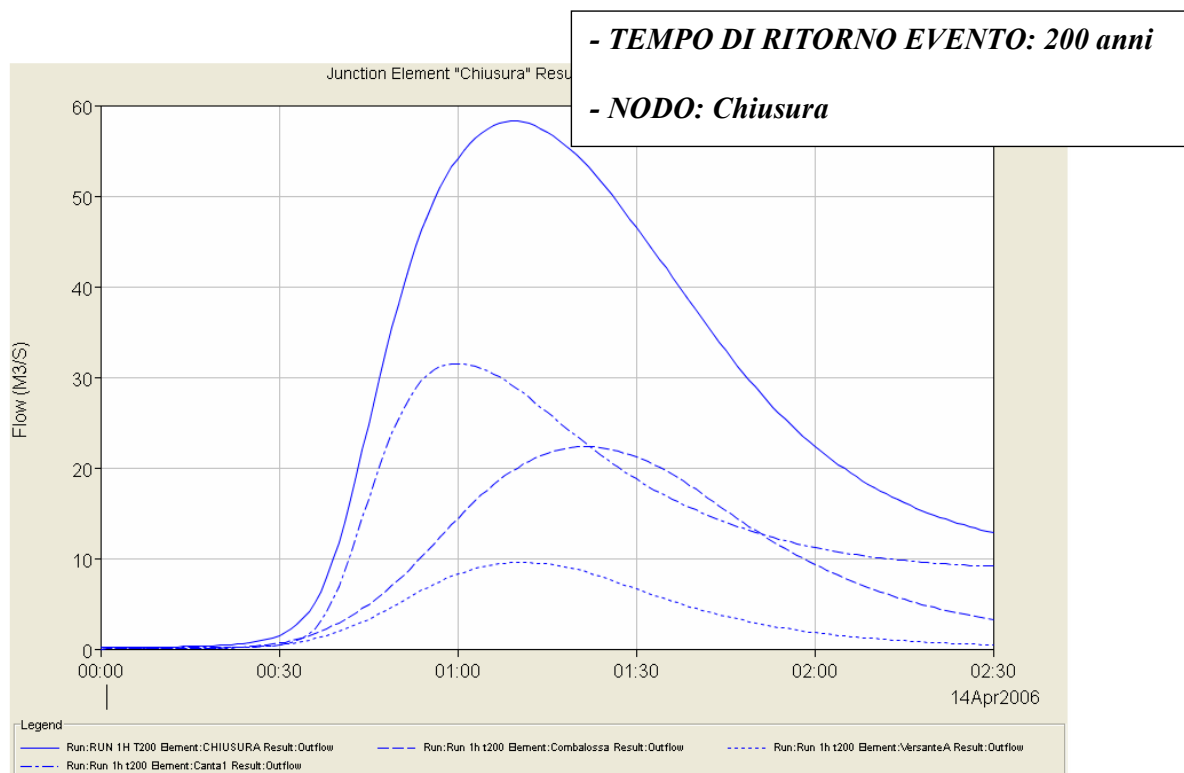
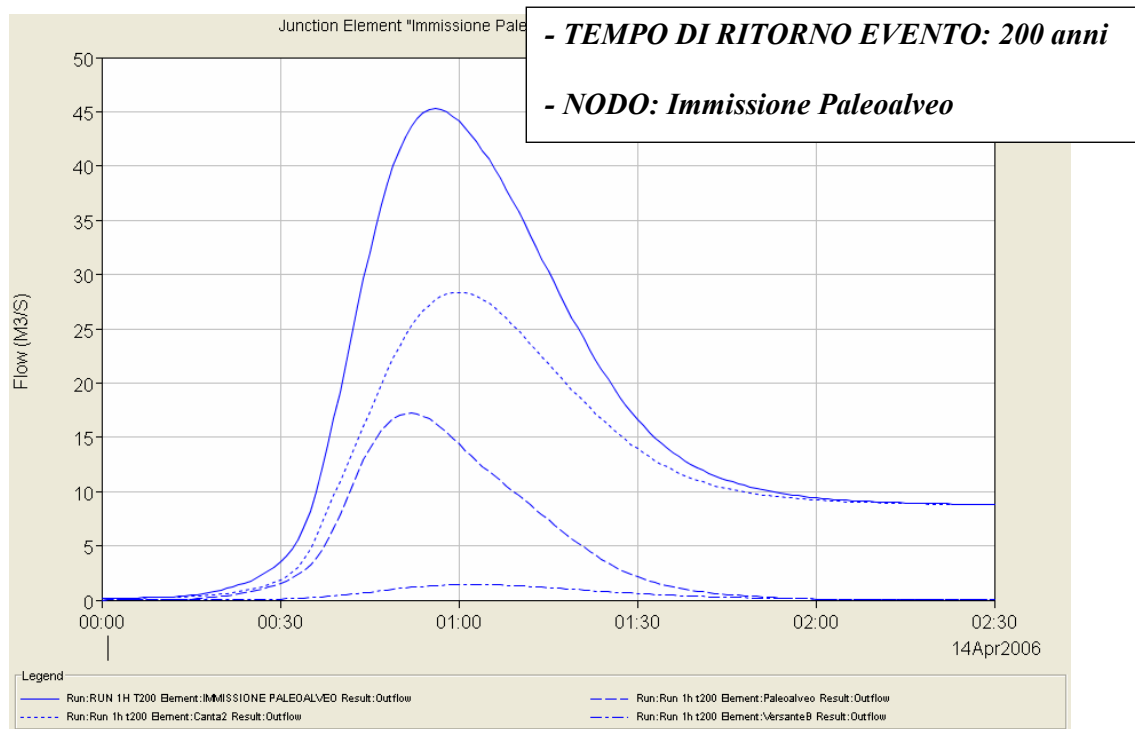


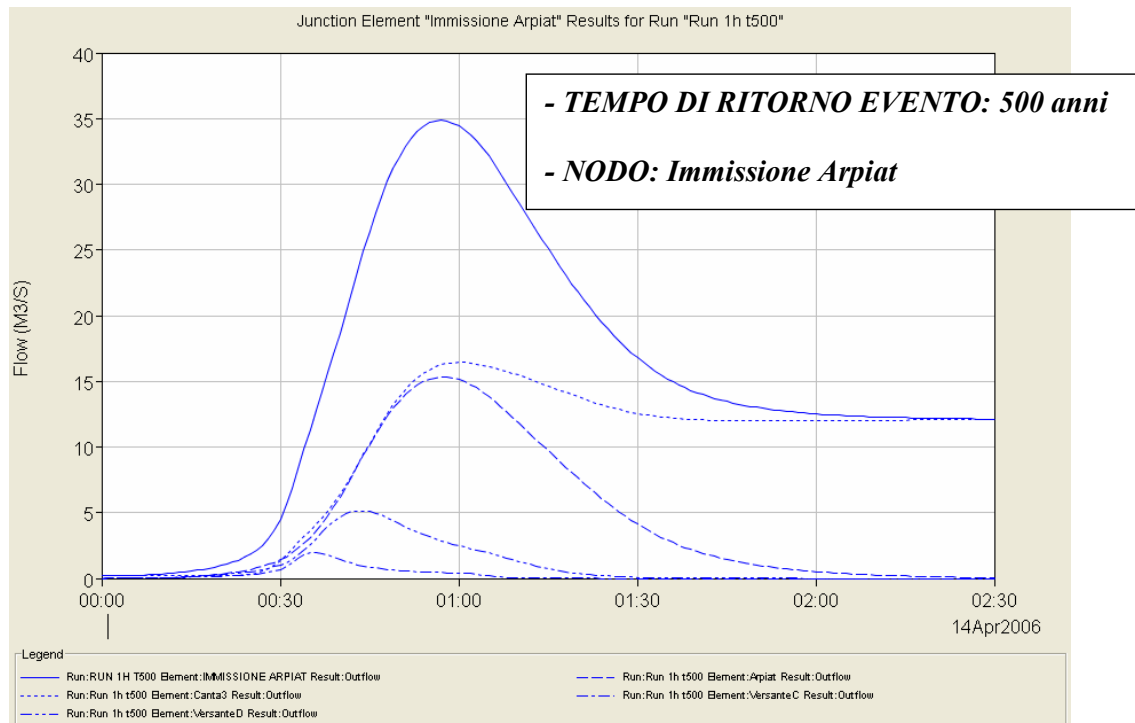
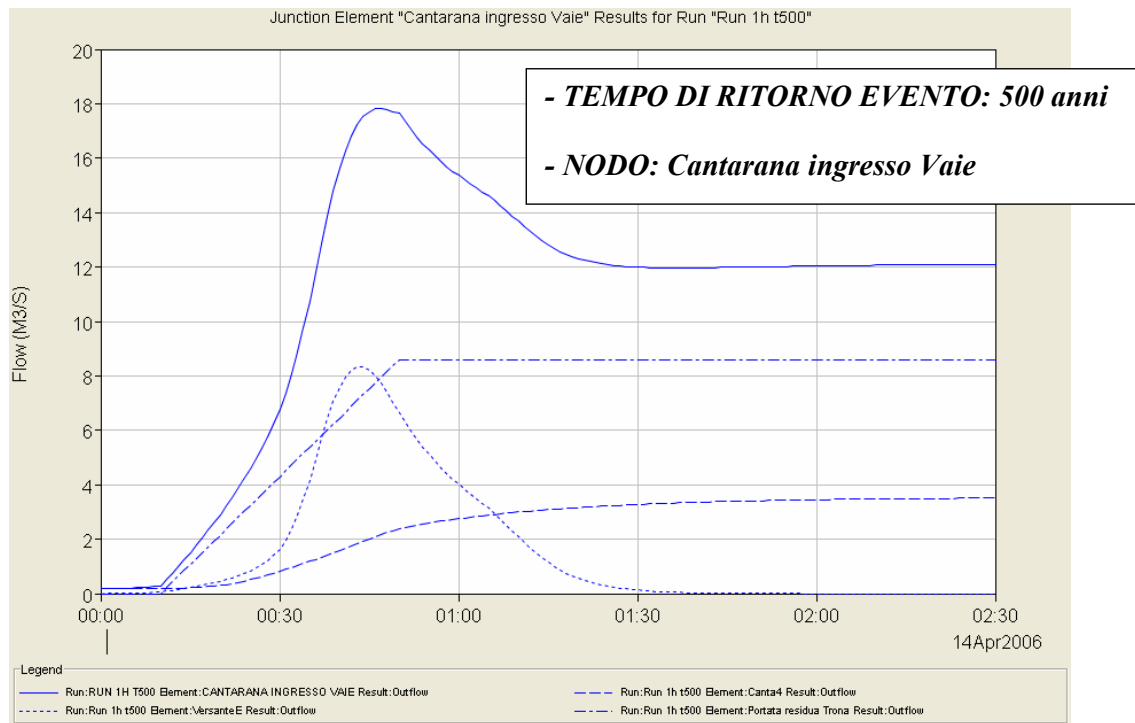


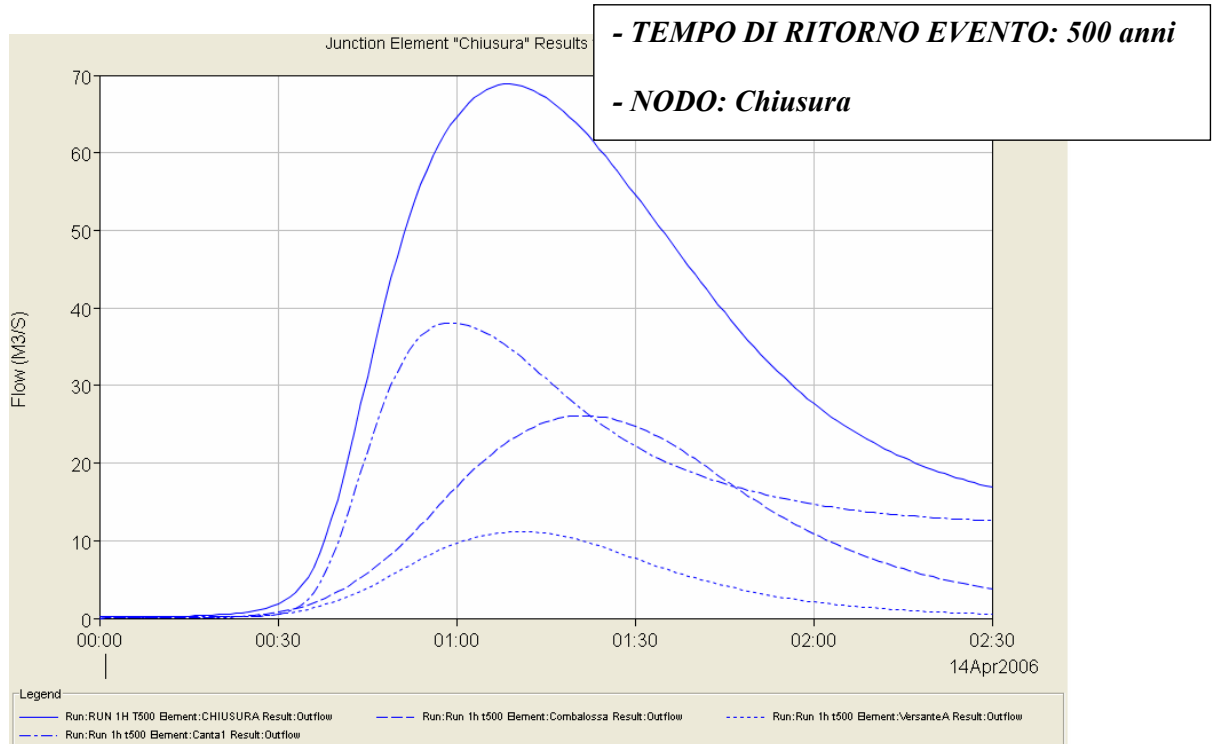
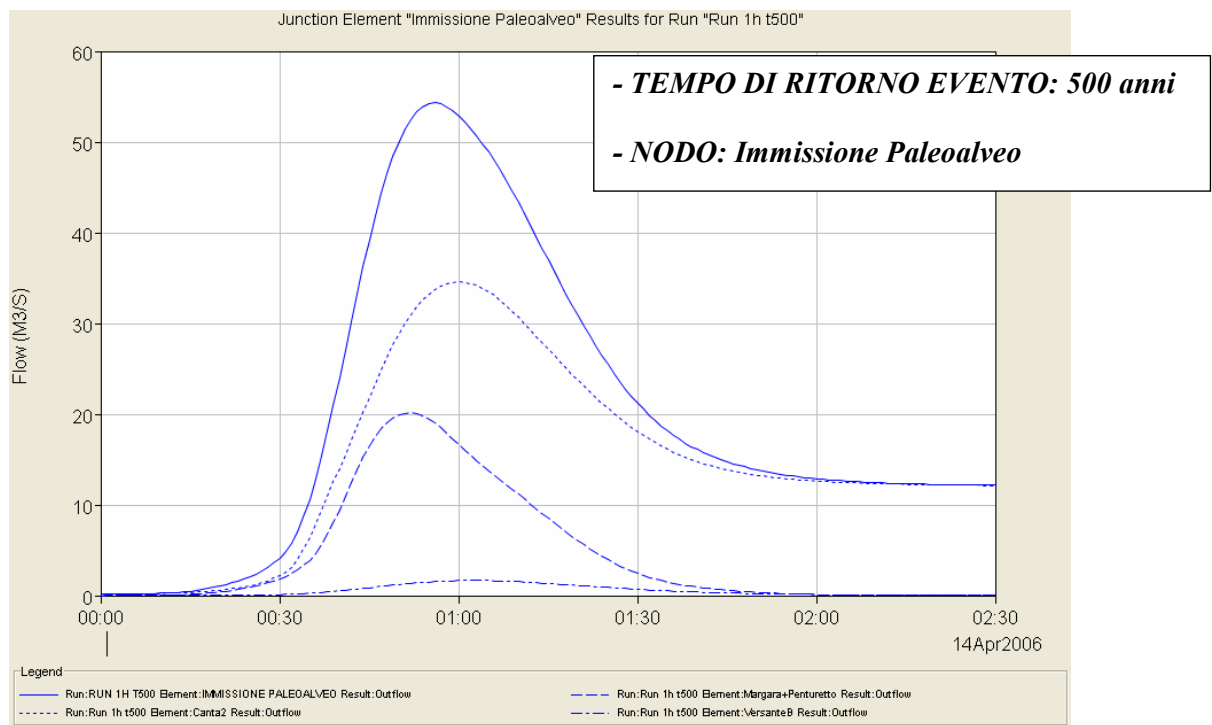










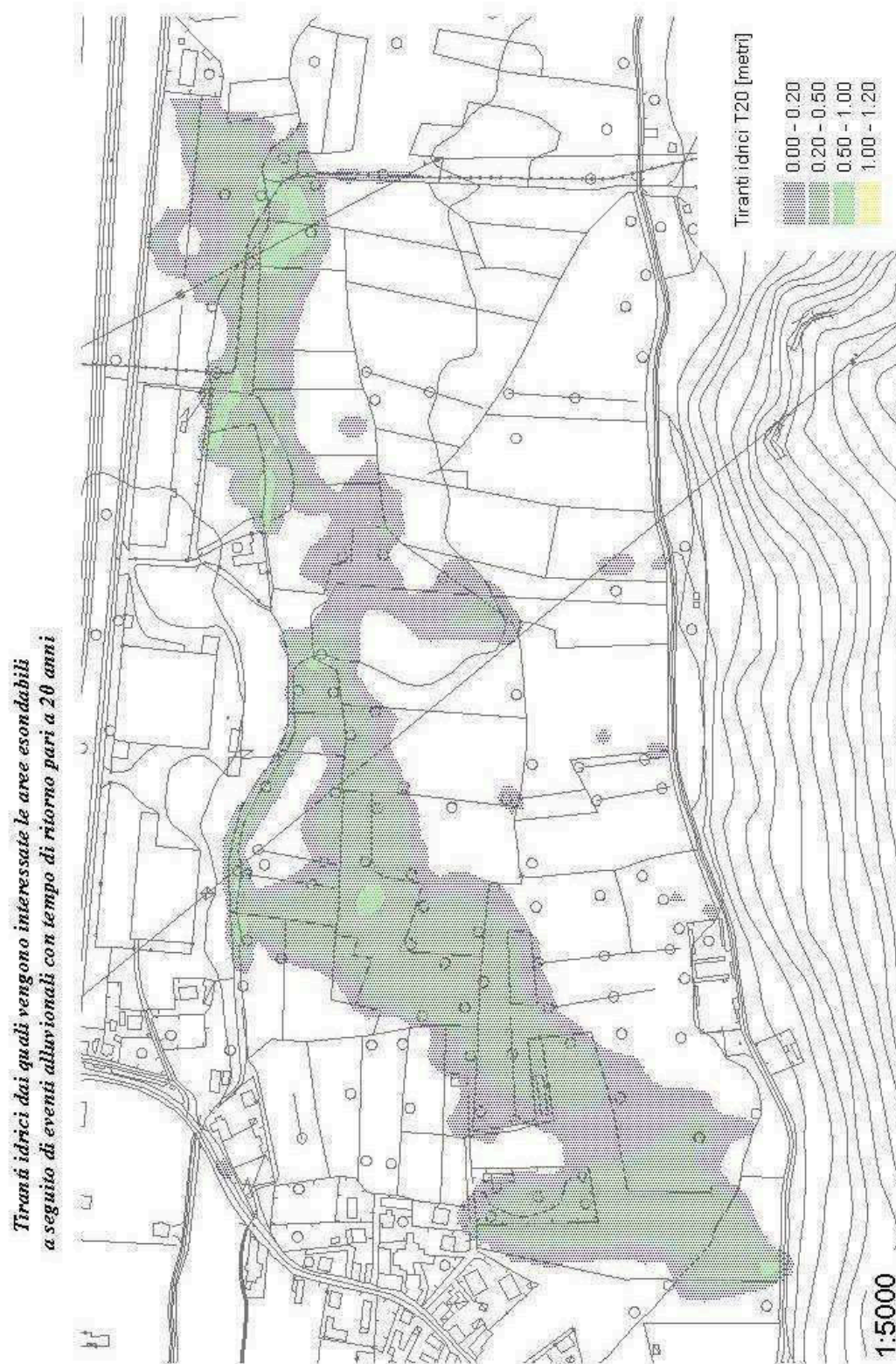


APPENDICE C

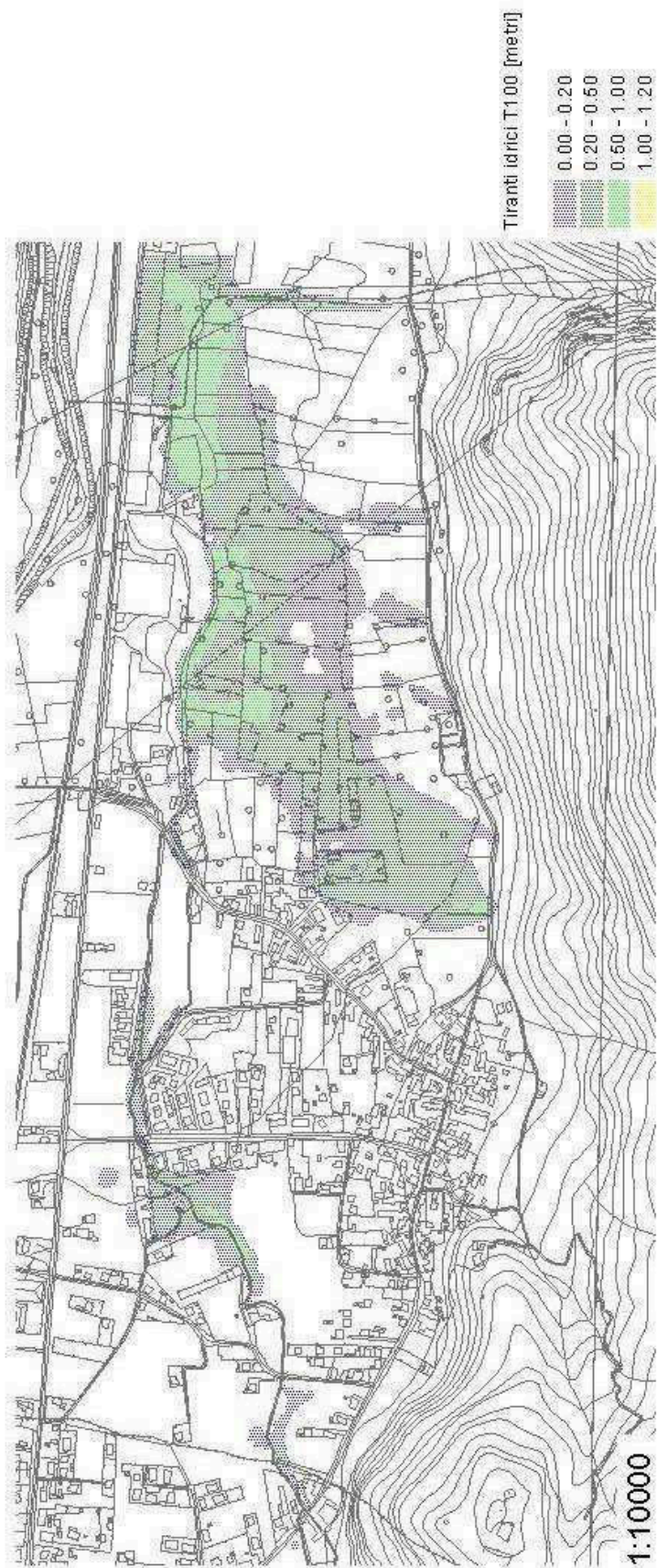
Mappatura delle aree esondabili con indicazione dei tiranti idrici previsti

Il software di modellazione idraulica FLO-2D analizza il comportamento del fluido in moto non confinato su di una superficie topografica.

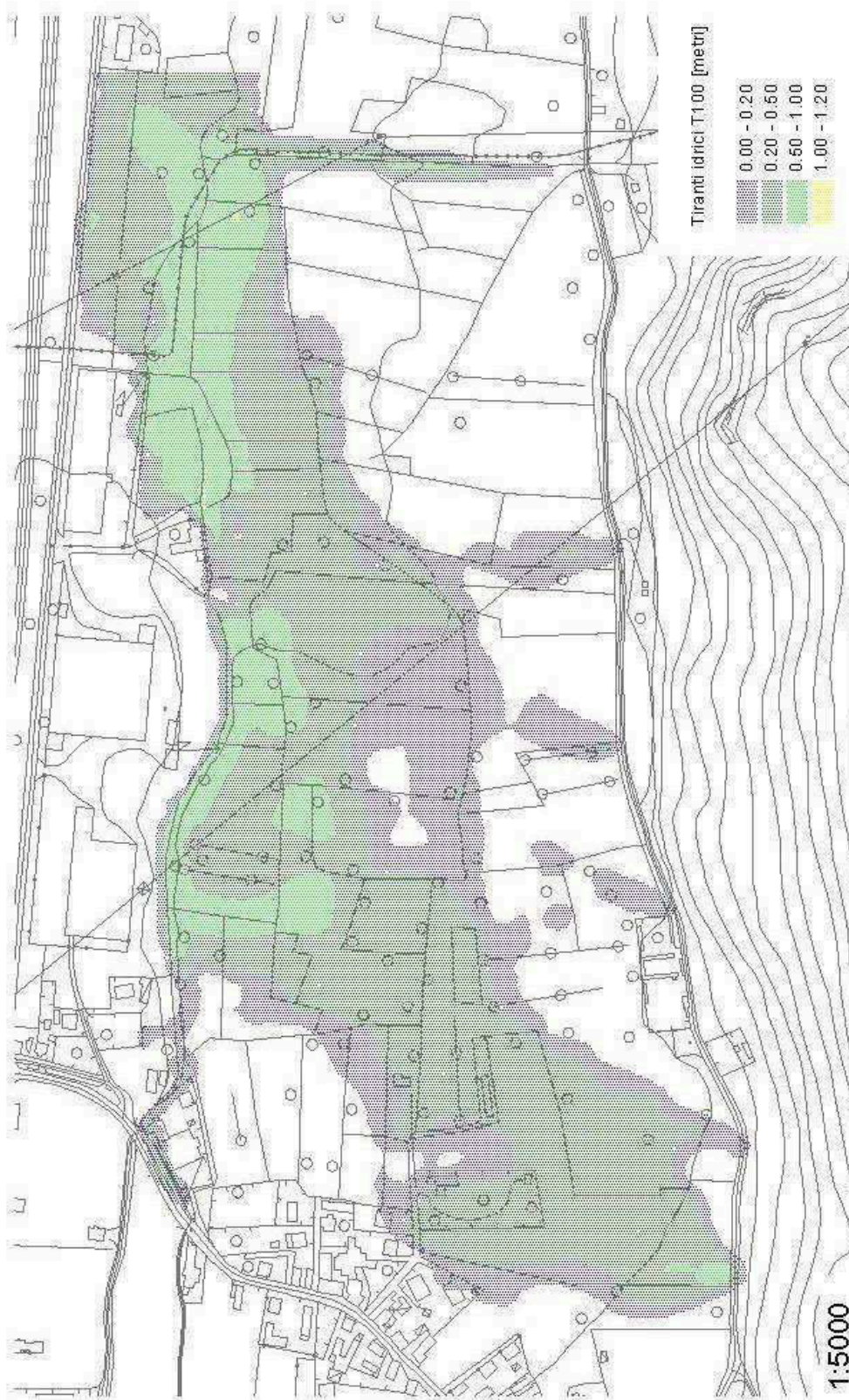
Nelle pagine seguenti sono fornite le rappresentazioni cartografiche in scala 1:10.000 delle aree che verrebbero interessate da esondazioni in caso di eventi alluvionali. Sono altresì forniti ingrandimenti in scala 1:5.000 delle aree interessate dagli alluvionamenti più gravosi. Anche in questo caso è presente la classificazione di magnitudo dell'evento secondo tempi di ritorno di 20, 100, 200 e 500 anni.



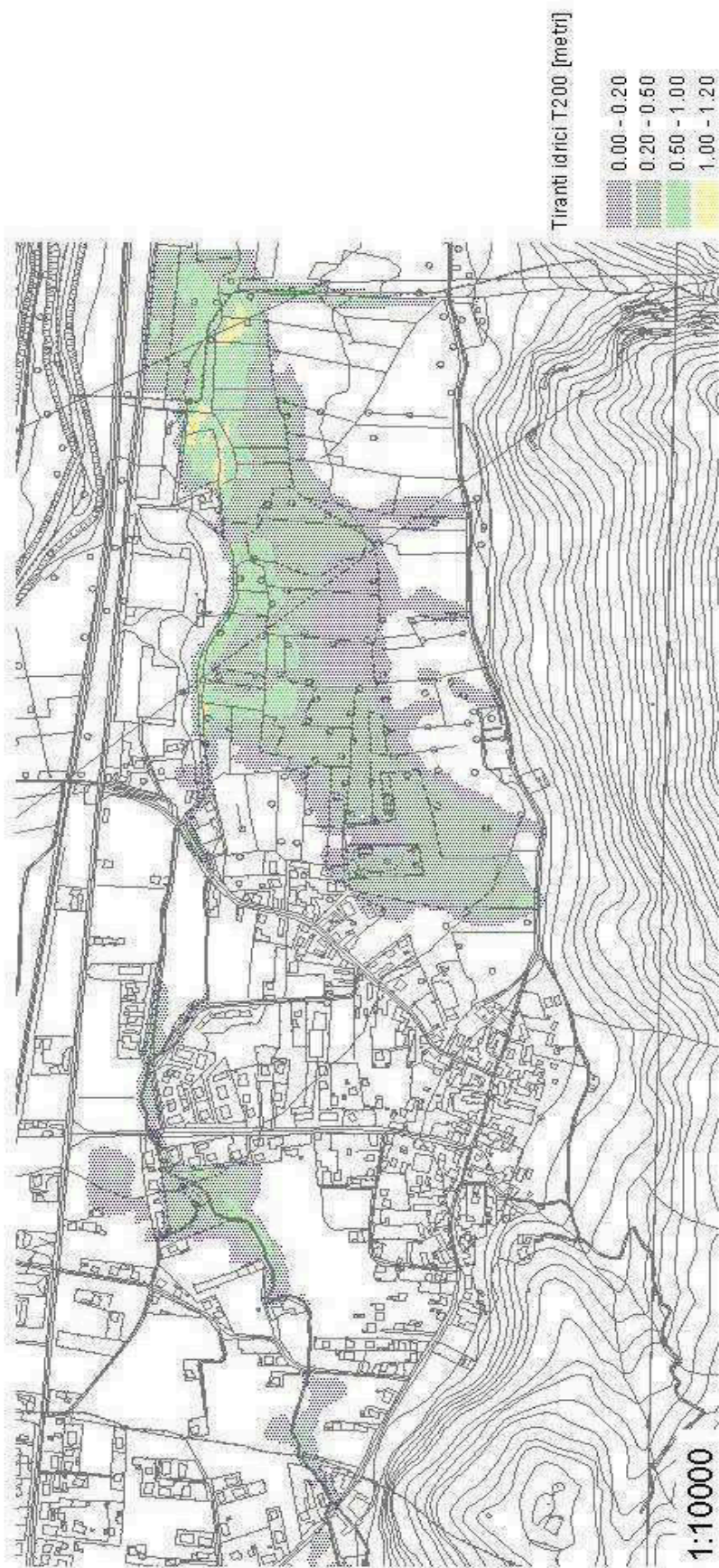
*Tiranti idrici dai quali vengono interessate le aree esondabili
a seguito di eventi alluvionali con tempo di ritorno pari a 100 anni*

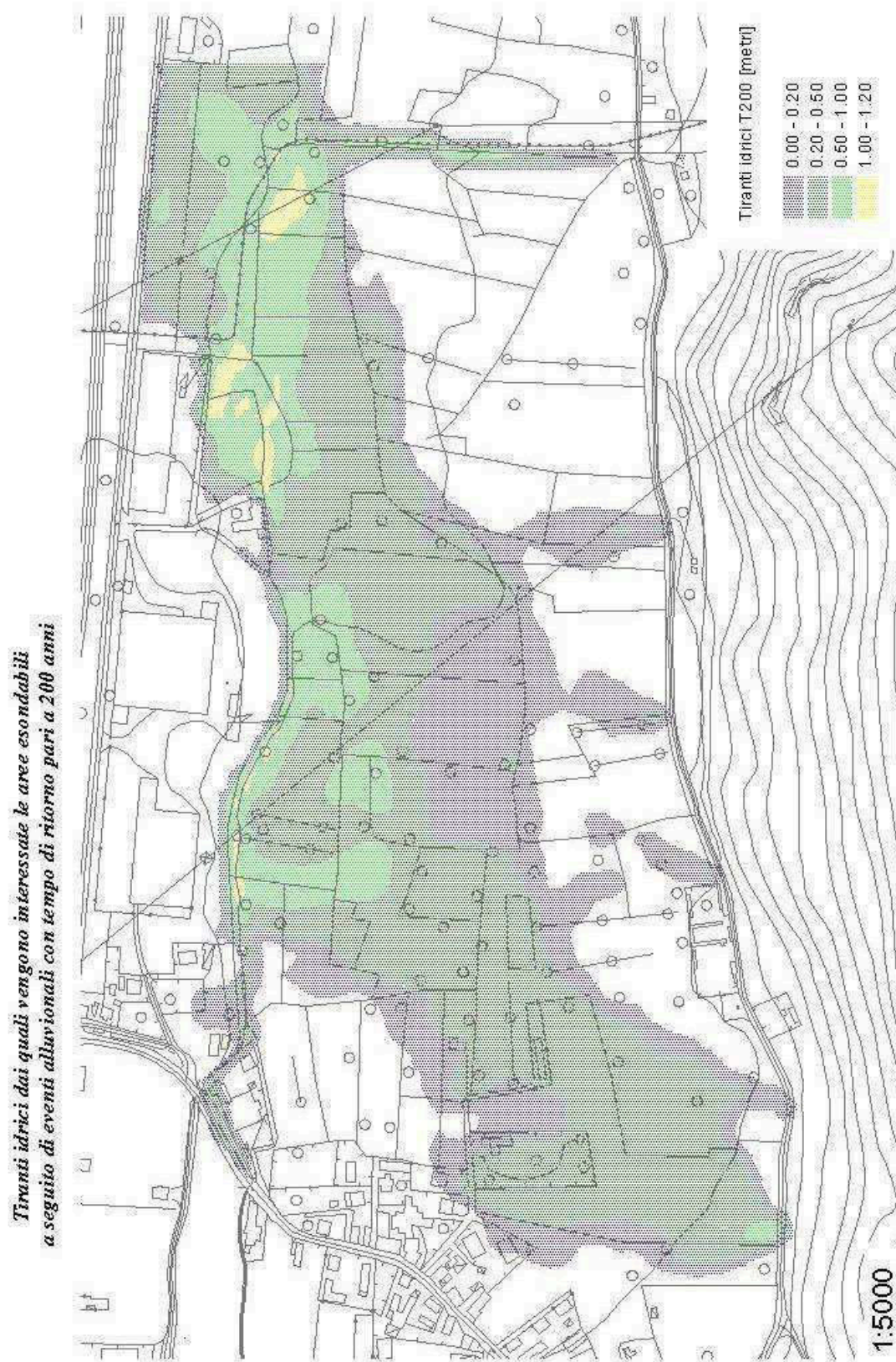


*Tiranti idrici dai quali vengono interessate le aree esondabili
a seguito di eventi alluvionali con tempo di ritorno pari a 100 anni*

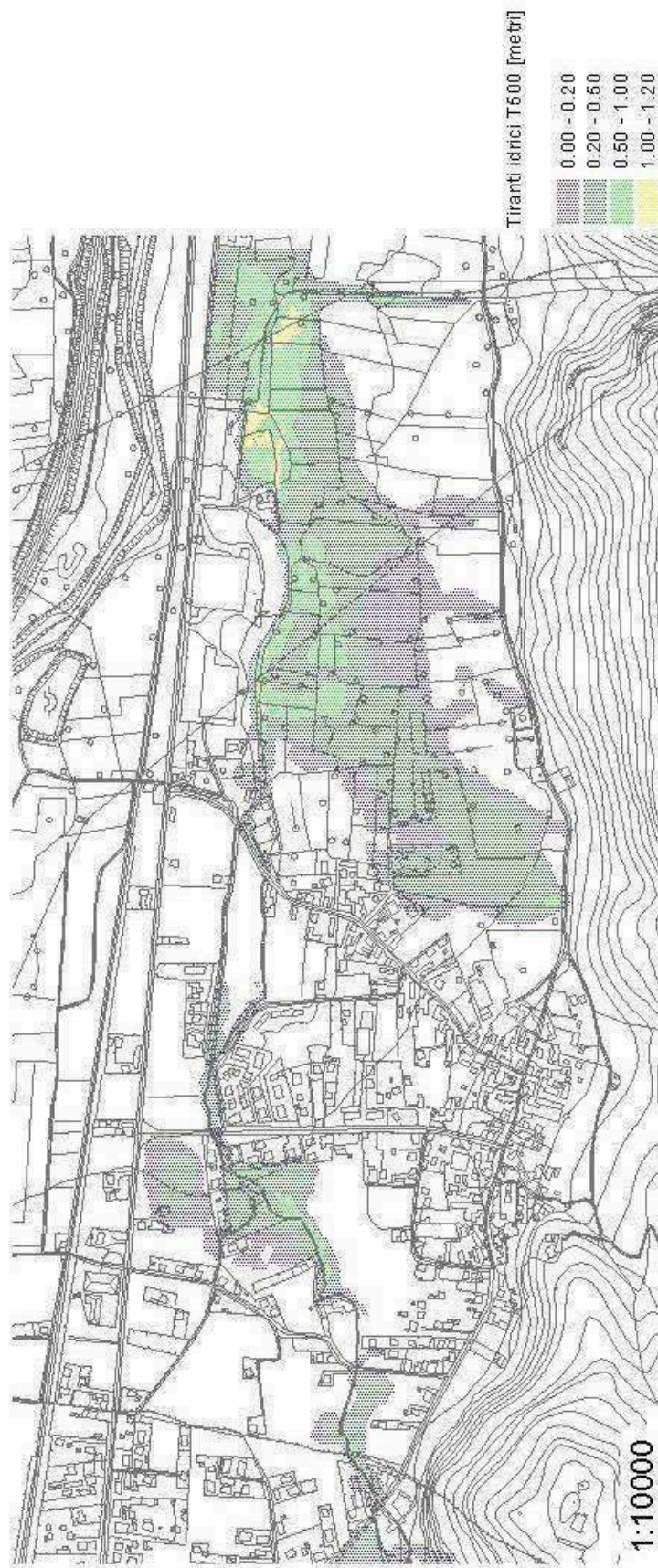


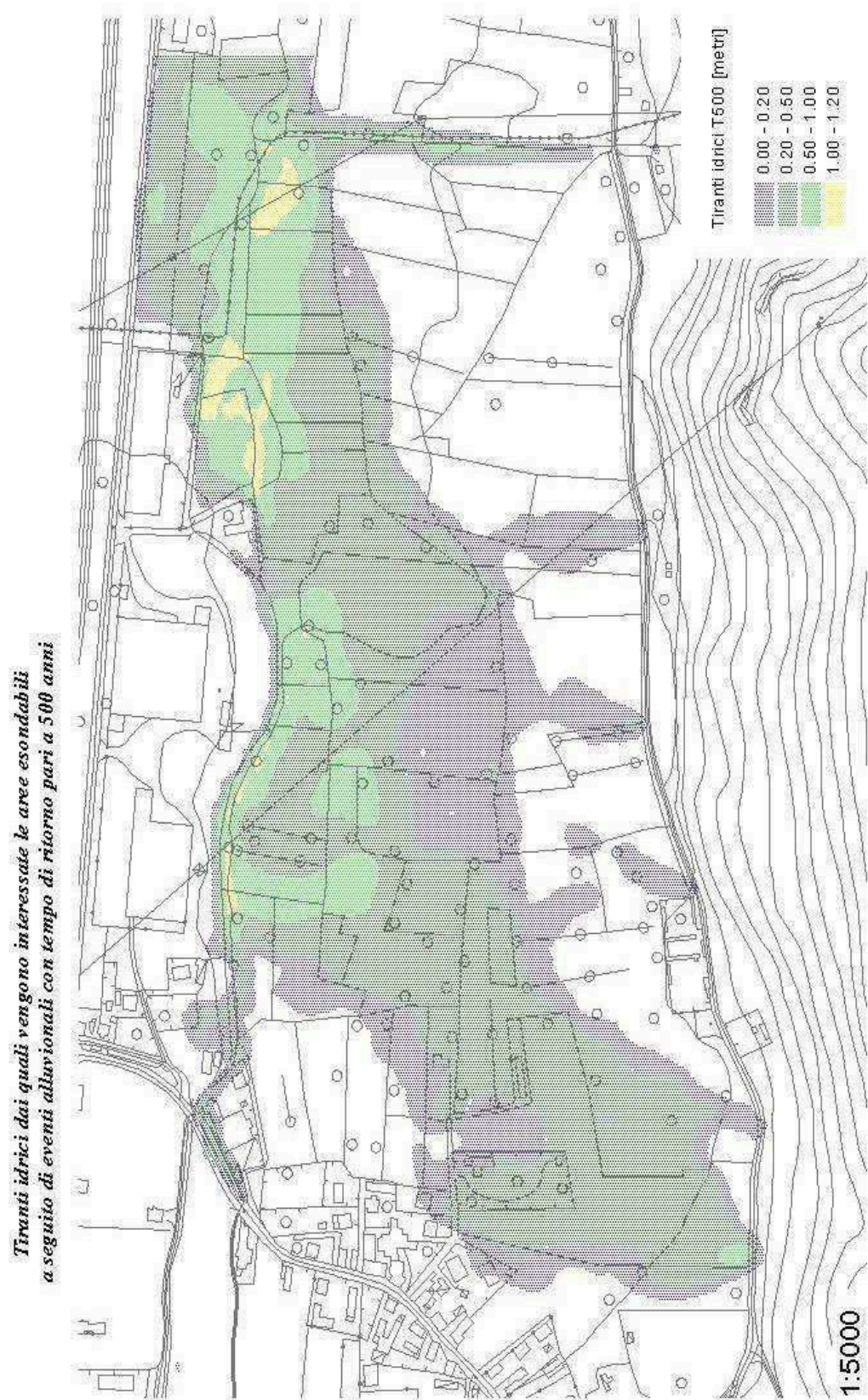
*Tiranti idrici dai quali vengono interessate le aree esondabili
a seguito di eventi alluvionali con tempo di ritorno pari a 200 anni*





*Tiranti idrici dai quali vengono interessate le aree esondabili
a seguito di eventi alluvionali con tempo di ritorno pari a 500 anni*



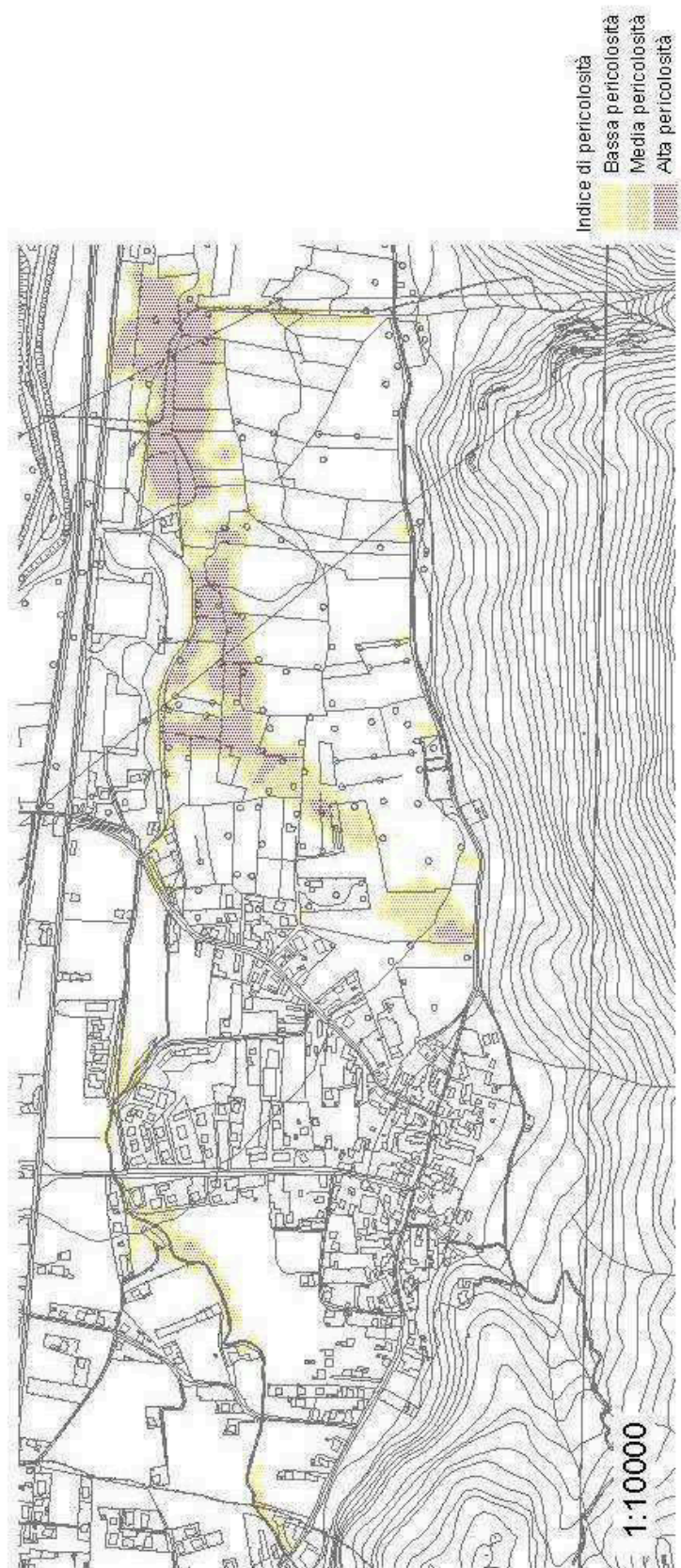


APPENDICE D

Zonizzazione delle aree a rischio durante un evento alluvionale con tempo di ritorno pari a 200 anni

Il software FLO-2D è in grado di comporre punto per punto i valori del tirante idrico presente sul piano campagna alluvionato e di velocità di deflusso, così ottenendo un'utile indicazione sull'intensità del rischio a cui verrebbe esposto un essere umano adulto durante un evento alluvionale.

Mappatura della pericolosità delle aree alluvionate in corrispondenza di un evento caratterizzato da un tempo di ritorno di 200 anni



Mappatura della pericolosità delle aree alluvionate in corrispondenza di un evento caratterizzato da un tempo di ritorno di 200 anni

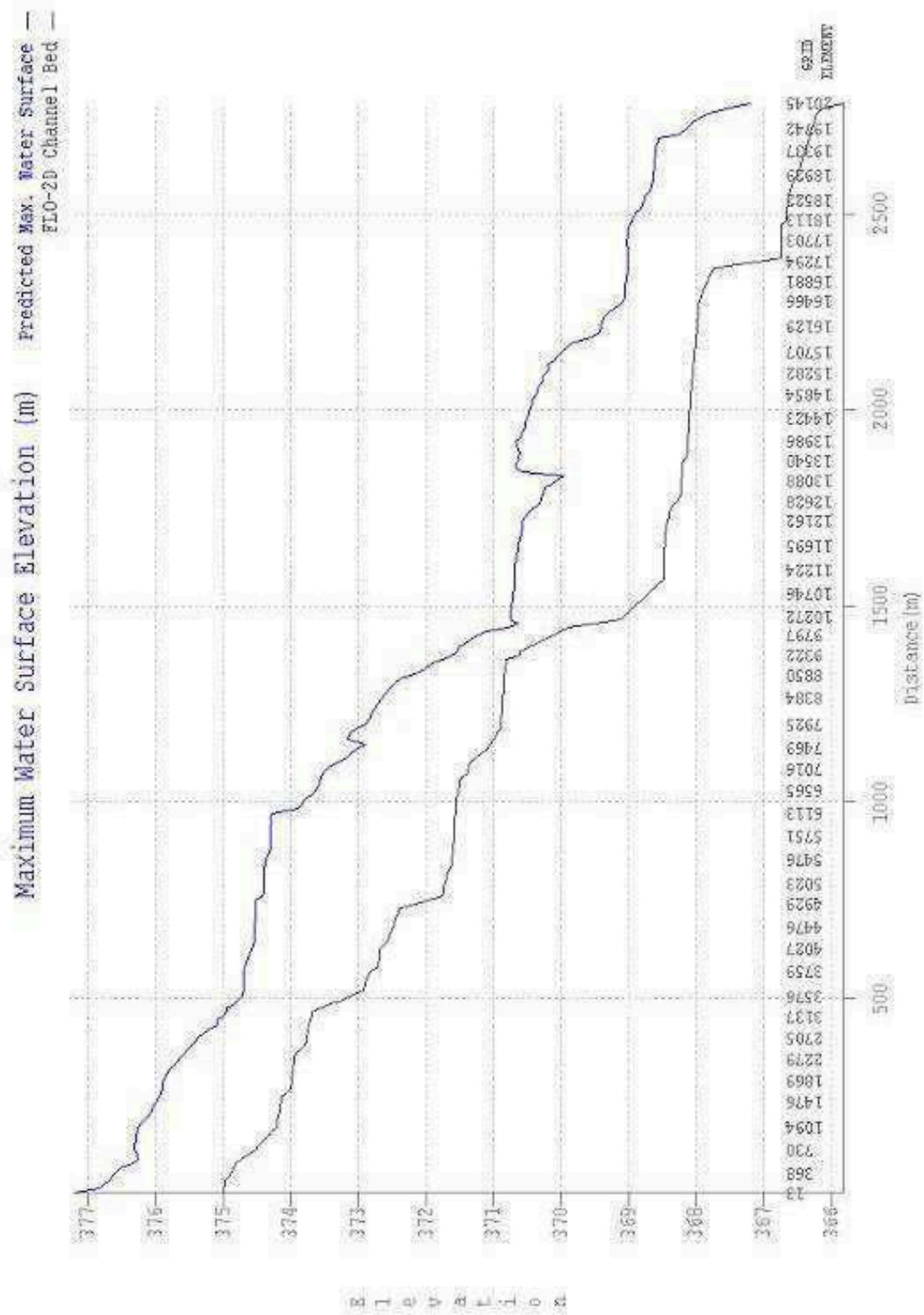


APPENDICE E

Profilo longitudinale del canale Cantarana

Sono di seguito riportati il profilo longitudinale del fondo alveo del canale Cantarana e il profilo longitudinale della massima quota raggiunta dal pelo libero dell'acqua durante un evento alluvionale con tempo di ritorno 200 anni.

Tale rappresentazione risulta uno strumento utile per individuare le aree a maggiore velocità della corrente, cioè i tratti sottoposti a potenziali erosivi elevati.



APPENDICE F

Risultati numerici del calcolo idraulico

Sono di seguito riportati i tabulati contenenti i valori dei parametri idraulici previsti nel canale Cantarana durante il passaggio di un idrogramma di piena originato da un evento pluviometrico di un'ora con tempo di ritorno pari a 200 anni.

I valori sono forniti ad intervalli di 6 minuti a partire da una situazione di canale non interessato da deflusso.

Il codice identificativo riportato per le varie sezioni analizzate si riferisce ad una nomenclatura caratteristica di FLO-2D.

Le sezioni hanno una distanza reciproca compresa tra i 10 e i 12 m e sono riportate a partire dal confine comunale tra Vaie e Sant'Antonino di Susa.

CHANNEL HYDROGRAPH FOR ELEMENT NO: 13

MASSIMA PORTATA 13.21 AT TIME 0.83
MASSIMA QUOTA PELO LIBERO 377.21 AT TIME 0.76

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.99	0	0	0	0	0	0	0	0	0	0
0.1	375.18	0.19	0.23	0.15	0.63	4.47	0.14	4.37	23.43	0.001554	2.12728
0.2	375.28	0.28	0.3	0.28	0.94	4.68	0.2	4.45	15.69	0.002774	5.38504
0.3	375.56	0.57	0.53	1.12	2.11	5.3	0.4	4.69	8.28	0.004174	16.12067
0.4	375.88	0.88	0.72	2.45	3.43	5.98	0.57	4.96	5.65	0.006244	34.68513
0.5	376.15	1.16	0.88	4.09	4.65	6.58	0.71	5.2	4.5	0.008659	59.29463
0.6	376.57	1.57	1.1	7.2	6.56	10.04	0.65	5.44	3.46	0.012944	81.91574
0.7	377.03	2.03	1.3	11.27	8.67	10.04	0.86	5.44	2.68	0.015698	131.44559
0.8	377.2	2.2	1.35	12.78	9.49	10.04	0.94	5.44	2.47	0.015743	144.20673
0.9	377.15	2.15	1.33	12.38	9.33	10.04	0.93	5.44	2.53	0.012805	115.38571
1	377.07	2.07	1.29	11.61	9	10.04	0.9	5.44	2.62	0.013732	119.2642
1.1	377.01	2.01	1.25	10.83	8.67	10.04	0.86	5.44	2.7	0.013091	109.63572
1.2	376.93	1.93	1.22	10.09	8.29	10.04	0.83	5.44	2.81	0.012545	100.3729
1.3	376.84	1.85	1.19	9.4	7.87	10.04	0.78	5.44	2.94	0.012141	92.25029
1.4	376.77	1.77	1.19	8.96	7.55	10.04	0.75	5.44	3.06	0.010106	73.64679
1.5	376.74	1.75	1.18	8.76	7.42	10.04	0.74	5.44	3.11	0.011136	79.74113
1.6	376.73	1.73	1.18	8.69	7.36	10.04	0.73	5.44	3.14	0.010775	76.56284
1.7	376.72	1.73	1.18	8.67	7.34	10.04	0.73	5.44	3.15	0.010441	73.94781
1.8	376.72	1.73	1.18	8.68	7.34	10.04	0.73	5.44	3.15	0.01003	71.05341
1.9	376.72	1.73	1.18	8.69	7.34	10.04	0.73	5.44	3.15	0.010084	71.42133
2	376.73	1.73	1.18	8.7	7.35	10.04	0.73	5.44	3.15	0.010263	72.78658
2.1	376.73	1.73	1.19	8.72	7.35	10.04	0.73	5.44	3.14	0.010629	75.42435
2.2	376.73	1.73	1.19	8.73	7.37	10.04	0.73	5.44	3.14	0.010143	72.12338
2.3	376.73	1.74	1.18	8.75	7.38	10.04	0.74	5.44	3.13	0.010069	71.73815
2.4	376.73	1.73	1.19	8.75	7.37	10.04	0.73	5.44	3.13	0.011382	81.01292
2.5	376.74	1.74	1.19	8.77	7.39	10.04	0.74	5.44	3.12	0.009545	68.12452

CHANNEL HYDROGRAPH FOR ELEMENT NO: 84

MASSIMA PORTATA 13.14 AT TIME 0.83
MASSIMA QUOTA PELO LIBERO 376.85 AT TIME 0.84

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.99	0	0	0	0	0	0	0	0	0	0
0.1	375.14	0.15	0.21	0.13	0.6	3.97	0.15	3.88	26.13	0.001538	2.24766
0.2	375.24	0.26	0.31	0.27	0.89	4.26	0.21	4.03	15.68	0.002746	5.55342
0.3	375.49	0.5	0.58	1.09	1.87	4.79	0.39	4.21	8.38	0.00396	14.98423
0.4	375.76	0.77	0.82	2.42	2.95	5.36	0.55	4.41	5.71	0.005288	28.17534
0.5	375.99	1	1.04	4.05	3.91	5.85	0.67	4.58	4.57	0.007082	45.91595
0.6	376.32	1.33	1.33	7.15	5.37	6.56	0.82	4.83	3.63	0.010125	80.42288
0.7	376.68	1.7	1.62	11.33	7	10.41	0.67	5.05	2.98	0.012094	78.8299
0.8	376.83	1.84	1.69	12.97	7.66	10.41	0.74	5.05	2.74	0.012014	85.70948
0.9	376.82	1.84	1.64	12.56	7.66	10.41	0.74	5.05	2.75	0.010048	71.61954
1	376.77	1.78	1.6	11.83	7.39	10.41	0.71	5.05	2.83	0.010789	74.2474
1.1	376.7	1.72	1.55	11.01	7.09	10.41	0.68	5.05	2.94	0.010271	67.83215
1.2	376.64	1.65	1.5	10.2	6.8	10.41	0.65	5.05	3.05	0.009839	62.29971
1.3	376.57	1.58	1.46	9.43	6.48	7.09	0.91	5.02	3.17	0.009487	84.04812
1.4	376.52	1.53	1.43	8.94	6.24	6.98	0.89	4.98	3.26	0.008064	69.866
1.5	376.5	1.51	1.42	8.74	6.14	6.93	0.89	4.96	3.29	0.009077	77.93146
1.6	376.49	1.5	1.42	8.68	6.1	6.91	0.88	4.96	3.3	0.008602	73.58218
1.7	376.48	1.5	1.42	8.67	6.09	6.91	0.88	4.95	3.31	0.008331	71.17549
1.8	376.49	1.5	1.42	8.68	6.09	6.91	0.88	4.95	3.31	0.008092	69.1611
1.9	376.49	1.5	1.43	8.69	6.09	6.91	0.88	4.95	3.31	0.008238	70.39604
2	376.49	1.5	1.43	8.7	6.1	6.91	0.88	4.96	3.31	0.008226	70.33689
2.1	376.49	1.5	1.43	8.72	6.1	6.91	0.88	4.96	3.3	0.008637	73.86852
2.2	376.49	1.5	1.43	8.73	6.11	6.92	0.88	4.96	3.3	0.008054	68.92273
2.3	376.49	1.5	1.43	8.74	6.12	6.92	0.88	4.96	3.3	0.008116	69.52561
2.4	376.49	1.5	1.43	8.74	6.11	6.92	0.88	4.96	3.3	0.008891	76.12024
2.5	376.49	1.5	1.43	8.75	6.12	6.92	0.88	4.96	3.3	0.007732	66.26012

CHANNEL HYDROGRAPH FOR ELEMENT NO: 155

MASSIMA PORTATA 13.31 AT TIME 0.75
MASSIMA QUOTA PELO LIBERO 376.77 AT TIME 0.84

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE (Pa) AL FONDO
0	374.98	0	0	0	0	0	0	0	0	0	0
0.1	375.1	0.12	0.18	0.1	0.57	3.85	0.15	3.67	29.83	0.001301	1.87956
0.2	375.23	0.25	0.33	0.26	0.8	4.11	0.2	3.73	15.09	0.002007	3.79963
0.3	375.46	0.48	0.6	1.06	1.75	4.6	0.38	3.86	7.98	0.001925	7.10169
0.4	375.73	0.75	0.86	2.4	2.79	5.15	0.54	4	5.34	0.00237	12.43924
0.5	375.95	0.97	1.09	4.03	3.68	5.61	0.66	4.11	4.24	0.002739	17.44748
0.6	376.26	1.29	1.42	7.1	5	6.26	0.8	4.28	3.33	0.003156	24.44674
0.7	376.61	1.63	1.76	11.31	6.43	6.97	0.92	4.47	2.74	0.00359	32.07131
0.8	376.75	1.77	1.87	13.13	7.01	7.26	0.96	4.54	2.57	0.003436	32.12855
0.9	376.75	1.77	1.82	12.74	7.01	7.26	0.97	4.54	2.57	0.003259	30.50724
1	376.69	1.71	1.76	11.92	6.78	7.15	0.95	4.51	2.63	0.003167	29.12827
1.1	376.63	1.65	1.7	11.06	6.52	7.02	0.93	4.48	2.71	0.003264	29.39594
1.2	376.57	1.59	1.63	10.24	6.27	6.9	0.91	4.45	2.79	0.003024	26.66318
1.3	376.51	1.53	1.57	9.45	6.01	6.77	0.89	4.41	2.88	0.003004	25.85562
1.4	376.46	1.48	1.54	8.94	5.79	6.66	0.87	4.39	2.96	0.00288	24.26856
1.5	376.44	1.46	1.53	8.74	5.71	6.62	0.86	4.38	3	0.003004	25.09567
1.6	376.43	1.45	1.53	8.68	5.67	6.6	0.86	4.37	3.01	0.00305	25.37888
1.7	376.43	1.45	1.53	8.67	5.66	6.6	0.86	4.37	3.02	0.002925	24.31113
1.8	376.43	1.45	1.53	8.68	5.66	6.6	0.86	4.37	3.01	0.003	24.94086
1.9	376.43	1.45	1.54	8.69	5.66	6.6	0.86	4.37	3.01	0.003025	25.14734
2	376.43	1.45	1.54	8.7	5.67	6.6	0.86	4.37	3.01	0.002927	24.34557
2.1	376.43	1.45	1.54	8.72	5.67	6.6	0.86	4.37	3.01	0.003025	25.16509
2.2	376.43	1.45	1.54	8.73	5.67	6.61	0.86	4.37	3.01	0.002886	24.02365
2.3	376.43	1.46	1.54	8.74	5.68	6.61	0.86	4.37	3.01	0.003109	25.8948
2.4	376.43	1.45	1.54	8.74	5.68	6.61	0.86	4.37	3.01	0.002851	23.7413
2.5	376.43	1.46	1.54	8.75	5.69	6.61	0.86	4.37	3	0.003054	25.45236

CHANNEL HYDROGRAPH FOR ELEMENT NO: 226

MASSIMA PORTATA 13.28 AT TIME 0.75
MASSIMA QUOTA PELO LIBERO 376.7 AT TIME 0.84

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE (Pa) AL FONDO
0	374.97	0	0	0	0	0	0	0	0	0	0
0.1	375.07	0.1	0.19	0.09	0.47	3.31	0.14	3.3	32.08	0.002186	3.00856
0.2	375.2	0.23	0.36	0.25	0.71	4.3	0.16	4.1	17.75	0.00268	4.25685
0.3	375.43	0.46	0.61	1.02	1.68	4.76	0.35	4.12	8.94	0.002433	8.33312
0.4	375.69	0.72	0.86	2.37	2.74	5.28	0.52	4.13	5.72	0.002597	13.05263
0.5	375.91	0.94	1.1	4	3.63	5.72	0.63	4.14	4.41	0.002918	17.94436
0.6	376.21	1.25	1.44	7.06	4.91	6.33	0.77	4.16	3.34	0.003239	24.32875
0.7	376.55	1.58	1.8	11.28	6.26	7	0.89	4.18	2.65	0.00379	32.85457
0.8	376.68	1.71	1.93	13.12	6.8	7.27	0.94	4.18	2.44	0.00372	33.73294
0.9	376.68	1.72	1.87	12.75	6.82	7.27	0.94	4.18	2.44	0.003538	32.17017
1	376.63	1.66	1.8	11.92	6.61	7.17	0.92	4.18	2.51	0.003079	27.52541
1.1	376.57	1.61	1.74	11.07	6.38	7.05	0.9	4.18	2.6	0.003291	28.83131
1.2	376.52	1.55	1.67	10.24	6.15	6.94	0.89	4.18	2.69	0.003115	26.74677
1.3	376.46	1.49	1.6	9.46	5.9	6.82	0.86	4.17	2.8	0.002628	22.02559
1.4	376.41	1.44	1.57	8.95	5.69	6.72	0.85	4.17	2.9	0.003091	25.35461
1.5	376.39	1.42	1.56	8.75	5.61	6.68	0.84	4.17	2.93	0.002626	21.35315
1.6	376.38	1.41	1.56	8.68	5.57	6.66	0.84	4.17	2.95	0.003025	24.51133
1.7	376.38	1.41	1.56	8.67	5.56	6.66	0.84	4.17	2.96	0.003066	24.81845
1.8	376.38	1.41	1.56	8.68	5.56	6.66	0.83	4.17	2.96	0.002984	24.14665
1.9	376.38	1.41	1.56	8.69	5.56	6.66	0.83	4.17	2.96	0.002895	23.42612
2	376.38	1.41	1.56	8.7	5.56	6.66	0.84	4.17	2.96	0.002927	23.70053
2.1	376.38	1.41	1.57	8.72	5.57	6.66	0.84	4.17	2.95	0.002899	23.48811
2.2	376.38	1.41	1.57	8.73	5.57	6.66	0.84	4.17	2.95	0.003118	25.27156
2.3	376.38	1.41	1.57	8.74	5.58	6.67	0.84	4.17	2.95	0.00301	24.40704
2.4	376.38	1.41	1.57	8.74	5.58	6.67	0.84	4.17	2.95	0.002794	22.65714
2.5	376.38	1.42	1.57	8.74	5.58	6.67	0.84	4.17	2.95	0.003268	26.50951

CHANNEL HYDROGRAPH FOR ELEMENT NO: 297

MASSIMA PORTATA 13.32 AT TIME 0.76
MASSIMA QUOTA PELO LIBERO 376.65 AT TIME 0.87

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE (Pa) AL FONDO
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	374.92	0	0	0	0	0	0	0	0	0	0
0.1	375.01	0.09	0.16	0.07	0.47	3	0.16	2.99	32.66	0.002262	3.45597
0.2	375.16	0.24	0.31	0.24	0.77	4.32	0.18	4.1	16.93	0.002512	4.3382
0.3	375.39	0.47	0.56	0.99	1.76	4.79	0.37	4.12	8.69	0.002048	7.29724
0.4	375.65	0.74	0.84	2.34	2.8	5.31	0.53	4.13	5.62	0.002097	10.72336
0.5	375.87	0.95	1.08	3.97	3.67	5.74	0.64	4.14	4.37	0.002234	13.85289
0.6	376.17	1.25	1.42	7.02	4.93	6.34	0.78	4.16	3.33	0.00235	17.70116
0.7	376.49	1.58	1.8	11.26	6.26	6.99	0.89	4.18	2.65	0.002239	19.42149
0.8	376.62	1.71	1.93	13.12	6.79	7.26	0.94	4.18	2.45	0.002223	20.16554
0.9	376.63	1.71	1.87	12.76	6.83	7.27	0.94	4.18	2.44	0.002072	18.86966
1	376.58	1.67	1.8	11.94	6.63	7.17	0.92	4.18	2.51	0.001901	17.03466
1.1	376.53	1.61	1.74	11.1	6.4	7.06	0.91	4.18	2.59	0.001847	16.21913
1.2	376.48	1.56	1.66	10.28	6.18	6.96	0.89	4.18	2.68	0.001794	15.448
1.3	376.42	1.5	1.6	9.5	5.93	6.84	0.87	4.17	2.79	0.001564	13.15106
1.4	376.37	1.45	1.57	8.98	5.72	6.74	0.85	4.17	2.88	0.002083	17.1456
1.5	376.35	1.43	1.56	8.78	5.64	6.7	0.84	4.17	2.92	0.001609	13.12863
1.6	376.34	1.42	1.55	8.7	5.6	6.68	0.84	4.17	2.94	0.001767	14.36303
1.7	376.34	1.42	1.55	8.69	5.59	6.68	0.84	4.17	2.94	0.002107	17.10497
1.8	376.33	1.42	1.56	8.7	5.59	6.67	0.84	4.17	2.94	0.001985	16.11067
1.9	376.34	1.42	1.56	8.71	5.59	6.68	0.84	4.17	2.94	0.001968	15.9752
2	376.34	1.42	1.56	8.72	5.59	6.68	0.84	4.17	2.94	0.001972	16.01412
2.1	376.34	1.42	1.56	8.74	5.6	6.68	0.84	4.17	2.94	0.001951	15.85283
2.2	376.34	1.42	1.56	8.74	5.6	6.68	0.84	4.17	2.94	0.002167	17.60992
2.3	376.34	1.42	1.56	8.75	5.61	6.68	0.84	4.17	2.93	0.001968	16.00519
2.4	376.34	1.42	1.56	8.76	5.61	6.68	0.84	4.17	2.93	0.001785	14.51663
2.5	376.34	1.42	1.56	8.76	5.61	6.69	0.84	4.17	2.93	0.002149	17.48026

CHANNEL HYDROGRAPH FOR ELEMENT NO: 368

MASSIMA	PORTATA	13.27	AT TIME	0.76
MASSIMA	QUOTA PELO LIBERO	376.6	AT TIME	0.87

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.87	0	0	0	0	0	0	0	0	0	0
0.1	374.95	0.08	0.12	0.05	0.44	2.57	0.17	2.56	32.66	0.001701	2.81049
0.2	375.13	0.26	0.32	0.23	0.72	4.37	0.16	4.11	15.57	0.001932	3.0879
0.3	375.36	0.49	0.61	0.95	1.57	4.83	0.32	4.12	8.35	0.001625	5.11409
0.4	375.62	0.75	0.92	2.31	2.51	5.34	0.47	4.13	5.5	0.001771	8.06466
0.5	375.83	0.96	1.19	3.94	3.32	5.76	0.58	4.14	4.32	0.001575	8.80975
0.6	376.12	1.26	1.54	6.97	4.51	6.35	0.71	4.16	3.31	0.001209	8.3248
0.7	376.45	1.58	1.94	11.22	5.77	7	0.83	4.18	2.65	0.000339	2.70812
0.8	376.58	1.71	2.09	13.11	6.29	7.26	0.87	4.18	2.45	0.000275	2.3102
0.9	376.59	1.72	2.01	12.76	6.35	7.28	0.87	4.18	2.43	0.000365	3.09153
1	376.54	1.67	1.94	11.94	6.17	7.19	0.86	4.18	2.5	0.00071	5.90669
1.1	376.49	1.62	1.87	11.11	5.95	7.08	0.84	4.18	2.58	0.000549	4.46996
1.2	376.43	1.57	1.79	10.29	5.75	6.97	0.82	4.18	2.67	0.000737	5.89098
1.3	376.37	1.51	1.73	9.51	5.51	6.85	0.8	4.17	2.77	0.000731	5.69103
1.4	376.32	1.45	1.7	8.99	5.29	6.75	0.78	4.17	2.87	0.000975	7.41159
1.5	376.3	1.43	1.68	8.78	5.21	6.71	0.78	4.17	2.91	0.000878	6.60725
1.6	376.29	1.43	1.68	8.71	5.18	6.69	0.77	4.17	2.92	0.000754	5.65216
1.7	376.29	1.42	1.68	8.69	5.17	6.69	0.77	4.17	2.93	0.001005	7.5257
1.8	376.29	1.42	1.69	8.7	5.16	6.69	0.77	4.17	2.93	0.000998	7.46585
1.9	376.29	1.42	1.69	8.71	5.16	6.69	0.77	4.17	2.93	0.001012	7.56621
2	376.29	1.42	1.69	8.72	5.16	6.69	0.77	4.17	2.93	0.00098	7.33051
2.1	376.29	1.43	1.69	8.74	5.17	6.69	0.77	4.17	2.92	0.00089	6.66139
2.2	376.29	1.43	1.69	8.74	5.17	6.69	0.77	4.17	2.92	0.001045	7.82772
2.3	376.3	1.43	1.69	8.75	5.18	6.7	0.77	4.17	2.92	0.001046	7.84144
2.4	376.3	1.43	1.69	8.76	5.18	6.7	0.77	4.17	2.92	0.000887	6.65074
2.5	376.3	1.43	1.69	8.76	5.18	6.7	0.77	4.17	2.92	0.000929	6.96516

CHANNEL HYDROGRAPH FOR ELEMENT NO: 441

MASSIMA	PORTATA	13.27	AT TIME	0.76
MASSIMA	QUOTA PELO LIBERO	376.52	AT TIME	0.86

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.84	0	0	0	0	0	0	0	0	0	0
0.1	374.9	0.06	0.1	0.04	0.37	1.46	0.25	1.39	22.74	0.00187	4.61866
0.2	375.1	0.27	0.39	0.22	0.57	3.05	0.19	2.75	10.38	0.002459	4.48129
0.3	375.32	0.48	0.75	0.92	1.23	3.91	0.31	3.36	7.02	0.003674	11.19171
0.4	375.56	0.72	1.16	2.29	1.98	4.78	0.41	3.9	5.41	0.003937	15.78513

0.5	375.76	0.92	1.48	3.91	2.64	5.17	0.51	3.92	4.26	0.004277	21.19811
0.6	376.04	1.2	1.9	6.92	3.65	5.74	0.64	3.94	3.27	0.004242	26.14121
0.7	376.35	1.51	2.38	11.19	4.71	6.36	0.74	3.96	2.62	0.005142	36.89864
0.8	376.48	1.64	2.54	13.11	5.16	6.62	0.78	3.97	2.42	0.005388	40.75624
0.9	376.5	1.66	2.41	12.76	5.3	6.66	0.8	3.97	2.39	0.005464	42.13913
1	376.46	1.62	2.32	11.94	5.15	6.57	0.78	3.96	2.45	0.005424	41.21275
1.1	376.4	1.56	2.24	11.12	4.96	6.47	0.77	3.96	2.53	0.005234	38.9385
1.2	376.35	1.52	2.14	10.3	4.8	6.37	0.75	3.96	2.61	0.005211	38.08975
1.3	376.3	1.46	2.07	9.52	4.59	6.25	0.73	3.95	2.71	0.004952	35.23022
1.4	376.24	1.41	2.05	8.99	4.38	6.15	0.71	3.95	2.81	0.005065	35.0087
1.5	376.22	1.38	2.04	8.78	4.3	6.11	0.7	3.95	2.85	0.005264	35.96629
1.6	376.21	1.38	2.04	8.71	4.27	6.09	0.7	3.95	2.87	0.00509	34.59388
1.7	376.21	1.37	2.04	8.69	4.25	6.08	0.7	3.95	2.88	0.005056	34.28106
1.8	376.21	1.37	2.05	8.7	4.25	6.08	0.7	3.95	2.88	0.005125	34.69358
1.9	376.21	1.37	2.05	8.71	4.24	6.08	0.7	3.95	2.88	0.00517	34.97756
2	376.21	1.37	2.05	8.72	4.25	6.08	0.7	3.95	2.88	0.00513	34.7453
2.1	376.21	1.37	2.05	8.73	4.25	6.08	0.7	3.95	2.87	0.005048	34.21323
2.2	376.21	1.37	2.05	8.74	4.26	6.09	0.7	3.95	2.87	0.005085	34.49083
2.3	376.21	1.38	2.05	8.75	4.27	6.09	0.7	3.95	2.87	0.005101	34.63264
2.4	376.21	1.38	2.05	8.76	4.27	6.09	0.7	3.95	2.87	0.005103	34.64802
2.5	376.22	1.38	2.05	8.76	4.27	6.09	0.7	3.95	2.87	0.005007	34.01798

CHANNEL HYDROGRAPH FOR ELEMENT NO: 513

MASSIMA PORTATA 13.26 AT TIME 0.76
MASSIMA QUOTA PELO LIBERO 376.34 AT TIME 0.86

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.81	0	0	0	0	0	0	0	0	0	0
0.1	374.86	0.05	0.1	0.03	0.29	1.08	0.27	1.08	23.42	0.003633	9.54198
0.2	375.06	0.24	0.46	0.22	0.47	3.31	0.14	3.14	13.09	0.004159	5.78005
0.3	375.24	0.42	0.83	0.9	1.08	3.67	0.29	3.2	7.66	0.006626	18.88297
0.4	375.44	0.63	1.33	2.27	1.71	4.09	0.42	3.28	5.24	0.00905	36.71913
0.5	375.61	0.8	1.68	3.89	2.32	4.44	0.52	3.34	4.19	0.010838	54.88394
0.6	375.87	1.05	2.05	6.89	3.37	4.96	0.68	3.43	3.26	0.012933	85.07694
0.7	376.14	1.32	2.55	11.17	4.39	5.5	0.8	3.53	2.67	0.015525	119.93217
0.8	376.26	1.44	2.66	13.1	4.93	5.75	0.86	3.57	2.48	0.014431	119.91755
0.9	376.31	1.49	2.41	12.75	5.29	5.85	0.9	3.59	2.41	0.011964	104.84088
1	376.28	1.46	2.31	11.94	5.17	5.79	0.89	3.58	2.45	0.011082	96.03552
1.1	376.23	1.41	2.23	11.12	4.98	5.69	0.88	3.56	2.52	0.010983	93.15715
1.2	376.19	1.38	2.13	10.3	4.84	5.62	0.86	3.55	2.58	0.01011	84.464
1.3	376.14	1.32	2.07	9.52	4.61	5.5	0.84	3.53	2.67	0.010509	85.27462
1.4	376.08	1.26	2.07	9	4.35	5.39	0.81	3.51	2.78	0.010477	82.09686
1.5	376.06	1.24	2.06	8.78	4.26	5.34	0.8	3.5	2.82	0.010574	81.70276
1.6	376.05	1.23	2.07	8.71	4.21	5.32	0.79	3.49	2.84	0.010618	81.47961
1.7	376.04	1.22	2.08	8.7	4.19	5.31	0.79	3.49	2.85	0.010586	80.92664
1.8	376.04	1.22	2.08	8.7	4.17	5.3	0.79	3.49	2.86	0.010754	81.99352
1.9	376.04	1.22	2.09	8.71	4.16	5.3	0.79	3.49	2.86	0.010844	82.5632
2	376.04	1.22	2.09	8.72	4.17	5.3	0.79	3.49	2.86	0.01081	82.43164
2.1	376.04	1.22	2.09	8.73	4.18	5.31	0.79	3.49	2.85	0.010737	81.93389
2.2	376.04	1.23	2.09	8.74	4.19	5.31	0.79	3.49	2.85	0.010669	81.52502
2.3	376.04	1.23	2.09	8.76	4.19	5.31	0.79	3.49	2.85	0.010752	82.25348
2.4	376.04	1.23	2.09	8.76	4.19	5.31	0.79	3.49	2.85	0.010819	82.76331
2.5	376.05	1.23	2.08	8.76	4.2	5.32	0.79	3.49	2.84	0.01057	80.96816

CHANNEL HYDROGRAPH FOR ELEMENT NO: 585

MASSIMA PORTATA 13.58 AT TIME 0.84
MASSIMA QUOTA PELO LIBERO 376.26 AT TIME 0.86

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.72	0	0	0	0	0	0	0	0	0	0
0.1	374.76	0.04	0.08	0.02	0.24	0.51	0.48	0.5	13.69	0.00633	29.58581
0.2	374.97	0.25	0.52	0.21	0.4	3.4	0.12	3.36	13.69	0.008347	9.62603
0.3	375.12	0.39	0.89	0.87	0.98	4.33	0.23	4.15	10.63	0.010965	24.13686
0.4	375.27	0.55	1.23	2.25	1.83	4.66	0.39	4.24	7.76	0.011078	42.09857
0.5	375.43	0.7	1.41	3.87	2.75	4.97	0.55	4.33	6.2	0.010921	58.47638
0.6	375.7	0.97	1.6	6.81	4.27	5.54	0.77	4.48	4.61	0.011446	85.39933
0.7	375.95	1.22	1.91	11.14	5.83	6.06	0.96	4.62	3.79	0.011222	104.58785
0.8	376.09	1.37	1.96	13.08	6.69	6.36	1.05	4.7	3.44	0.008855	90.2366
0.9	376.21	1.48	1.77	12.72	7.19	6.6	1.09	4.77	3.22	0.007497	79.16431
1	376.18	1.46	1.69	11.91	7.05	6.55	1.08	4.76	3.27	0.007103	74.0869

1.1	376.14	1.41	1.63	11.1	6.81	6.45	1.05	4.73	3.35	0.006644	67.93049
1.2	376.11	1.38	1.56	10.3	6.59	6.39	1.03	4.71	3.42	0.006556	65.53677
1.3	376.05	1.32	1.53	9.54	6.25	6.27	1	4.68	3.54	0.007136	68.93076
1.4	375.98	1.26	1.53	9.01	5.88	6.13	0.96	4.64	3.7	0.007111	66.14799
1.5	375.96	1.23	1.53	8.79	5.75	6.08	0.95	4.63	3.76	0.007245	66.40314
1.6	375.95	1.22	1.53	8.71	5.69	6.05	0.94	4.62	3.79	0.007334	66.75953
1.7	375.94	1.21	1.54	8.7	5.66	6.04	0.94	4.62	3.81	0.007258	65.86443
1.8	375.94	1.21	1.54	8.7	5.64	6.03	0.93	4.61	3.82	0.007354	66.60548
1.9	375.93	1.21	1.55	8.72	5.63	6.03	0.93	4.61	3.83	0.007397	66.94666
2	375.94	1.21	1.55	8.72	5.64	6.03	0.93	4.61	3.82	0.007372	66.78125
2.1	375.94	1.21	1.55	8.74	5.64	6.03	0.94	4.62	3.82	0.007367	66.77608
2.2	375.94	1.21	1.55	8.75	5.65	6.04	0.94	4.62	3.81	0.007358	66.75973
2.3	375.94	1.21	1.55	8.76	5.66	6.04	0.94	4.62	3.81	0.007396	67.17861
2.4	375.94	1.21	1.55	8.77	5.66	6.04	0.94	4.62	3.81	0.007287	66.19695
2.5	375.94	1.22	1.54	8.76	5.67	6.05	0.94	4.62	3.8	0.007316	66.52615

CHANNEL HYDROGRAPH FOR ELEMENT NO: 658

MASSIMA PORTATA 13.80 AT TIME 0.84
MASSIMA QUOTA PELO LIBERO 376.28 AT TIME 0.86

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.63	0	0	0	0	0	0	0	0	0	0
0.1	374.65	0.02	0.04	0.01	0.02	0.42	0	0.42	0	0.009528	0
0.2	374.81	0.18	0.42	0.21	0.51	4.05	0.13	4.03	22.44	0.009052	11.04467
0.3	374.91	0.29	0.65	0.84	1.29	5.25	0.25	5.14	17.93	0.008205	19.59345
0.4	375.12	0.5	0.79	2.21	2.81	5.71	0.49	5.32	10.74	0.0051	24.36223
0.5	375.34	0.72	0.88	3.82	4.32	6.18	0.7	5.5	7.69	0.003125	21.16625
0.6	375.66	1.04	1.04	6.76	6.5	6.88	0.94	5.77	5.57	0	0
0.7	376	1.38	1.25	11.08	8.86	7.62	1.16	6.05	4.4	0	0
0.8	376.18	1.55	1.3	13.04	10.06	8	1.26	6.2	3.99	0	0
0.9	376.25	1.63	1.22	12.71	10.44	8.16	1.28	6.26	3.85	0.000549	6.80561
1	376.23	1.6	1.17	11.93	10.23	8.1	1.26	6.24	3.9	0	0
1.1	376.18	1.56	1.12	11.12	9.93	8.01	1.24	6.2	3.98	0.0006	7.20518
1.2	376.14	1.51	1.08	10.31	9.58	7.91	1.21	6.16	4.08	0.000982	11.52996
1.3	376.07	1.44	1.05	9.56	9.11	7.76	1.17	6.11	4.23	0.001379	15.69589
1.4	376	1.37	1.04	9.02	8.65	7.61	1.14	6.05	4.4	0.001076	11.84961
1.5	375.98	1.35	1.04	8.79	8.48	7.56	1.12	6.03	4.47	0.001234	13.42135
1.6	375.96	1.34	1.04	8.72	8.41	7.53	1.12	6.02	4.5	0.001301	14.08227
1.7	375.96	1.33	1.04	8.7	8.38	7.52	1.11	6.01	4.52	0.001085	11.71358
1.8	375.96	1.33	1.04	8.7	8.36	7.51	1.11	6.01	4.53	0.001028	11.09376
1.9	375.95	1.33	1.04	8.72	8.36	7.51	1.11	6.01	4.53	0.001031	11.11727
2	375.96	1.33	1.04	8.72	8.36	7.51	1.11	6.01	4.53	0.00101	10.90284
2.1	375.96	1.33	1.04	8.74	8.37	7.52	1.11	6.01	4.52	0.001111	11.99653
2.2	375.96	1.33	1.04	8.75	8.38	7.52	1.11	6.01	4.52	0.001148	12.39505
2.3	375.96	1.33	1.05	8.77	8.39	7.52	1.12	6.01	4.51	0.001028	11.10655
2.4	375.96	1.33	1.05	8.77	8.39	7.52	1.12	6.02	4.51	0.001171	12.65709
2.5	375.96	1.33	1.04	8.77	8.4	7.53	1.12	6.02	4.51	0.001262	13.64637

CHANNEL HYDROGRAPH FOR ELEMENT NO: 730

MASSIMA PORTATA 13.61 AT TIME 0.84
MASSIMA QUOTA PELO LIBERO 376.31 AT TIME 0.86

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.53	0	0	0	0	0	0	0	0	0	0
0.1	374.53	0	0	0	0	0	0	0	0	0.010291	0
0.2	374.68	0.15	0.33	0.2	0.6	6.88	0.09	6.82	45.9	0.005395	4.56815
0.3	374.82	0.29	0.48	0.78	1.64	7.17	0.23	6.9	24	0.00233	5.14821
0.4	375.11	0.58	0.59	2.15	3.63	7.78	0.47	7.07	12.26	0.000578	2.61464
0.5	375.36	0.83	0.7	3.76	5.39	8.3	0.65	7.22	8.69	0	0
0.6	375.7	1.17	0.85	6.65	7.82	9.01	0.87	7.42	6.34	0	0
0.7	376.07	1.54	1.05	10.97	10.44	12.37	0.84	7.56	4.91	0	0
0.8	376.25	1.72	1.11	12.95	11.72	12.37	0.95	7.56	4.4	0	0
0.9	376.29	1.76	1.06	12.66	11.99	12.37	0.97	7.56	4.3	0	0
1	376.26	1.73	1.02	11.95	11.76	12.37	0.95	7.56	4.38	0	0
1.1	376.21	1.68	0.98	11.13	11.41	12.37	0.92	7.56	4.5	0	0
1.2	376.16	1.63	0.93	10.31	11.03	12.37	0.89	7.56	4.65	0	0
1.3	376.09	1.56	0.91	9.57	10.53	12.37	0.85	7.56	4.85	0	0
1.4	376.02	1.49	0.9	9.02	10.05	12.37	0.81	7.56	5.07	0	0
1.5	376	1.47	0.89	8.79	9.88	12.37	0.8	7.56	5.16	0	0
1.6	375.99	1.46	0.89	8.71	9.8	12.37	0.79	7.56	5.19	0	0

1.7	375.98	1.45	0.89	8.7	9.78	12.37	0.79	7.56	5.2	0	0
1.8	375.98	1.45	0.89	8.7	9.77	12.37	0.79	7.56	5.21	0	0
1.9	375.98	1.45	0.89	8.72	9.77	12.37	0.79	7.56	5.21	0	0
2	375.98	1.45	0.89	8.72	9.77	12.37	0.79	7.56	5.21	0	0
2.1	375.98	1.45	0.89	8.73	9.78	12.37	0.79	7.56	5.2	0	0
2.2	375.98	1.45	0.89	8.74	9.78	12.37	0.79	7.56	5.2	0	0
2.3	375.98	1.46	0.89	8.76	9.79	12.37	0.79	7.56	5.2	0	0
2.4	375.98	1.46	0.89	8.76	9.79	12.37	0.79	7.56	5.2	0	0
2.5	375.98	1.46	0.89	8.76	9.79	12.37	0.79	7.56	5.2	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 801

MASSIMA PORTATA 13.40 AT TIME 0.84
MASSIMA QUOTA PELO LIBERO 376.31 AT TIME 0.86

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.46	0	0	0	0	0	0	0	0	0	0
0.1	374.46	0	0	0	0	0	0	0	0	0	0
0.2	374.59	0.13	0.29	0.17	0.57	4.78	0.12	4.67	34.94	0.003083	3.5547
0.3	374.77	0.31	0.46	0.72	1.57	6.58	0.24	6.29	20	0.001261	2.91589
0.4	375.09	0.64	0.59	2.09	3.54	7.25	0.49	6.45	10.13	0.0005	2.36703
0.5	375.35	0.9	0.71	3.7	5.17	7.78	0.66	6.59	7.34	0.000295	1.90378
0.6	375.7	1.24	0.88	6.56	7.42	8.5	0.87	6.76	5.44	0.002923	24.72709
0.7	376.07	1.62	1.11	10.85	9.8	11.62	0.84	6.84	4.24	0.000192	1.56573
0.8	376.25	1.8	1.17	12.83	10.96	11.62	0.94	6.84	3.81	0	0
0.9	376.29	1.83	1.12	12.57	11.21	11.62	0.96	6.84	3.73	0	0
1	376.26	1.8	1.08	11.92	11	11.62	0.95	6.84	3.8	0	0
1.1	376.21	1.75	1.04	11.11	10.68	11.62	0.92	6.84	3.91	0.000136	1.20903
1.2	376.16	1.7	1	10.29	10.33	11.62	0.89	6.84	4.03	0	0
1.3	376.09	1.63	0.97	9.57	9.88	11.62	0.85	6.84	4.2	0	0
1.4	376.02	1.56	0.95	8.99	9.44	11.62	0.81	6.84	4.38	0	0
1.5	376	1.54	0.94	8.76	9.28	11.62	0.8	6.84	4.45	0	0
1.6	375.99	1.53	0.94	8.68	9.21	11.62	0.79	6.84	4.48	0	0
1.7	375.98	1.52	0.94	8.67	9.19	11.62	0.79	6.84	4.49	0	0
1.8	375.98	1.52	0.94	8.67	9.18	11.62	0.79	6.84	4.49	0.000119	0.91298
1.9	375.98	1.52	0.95	8.69	9.18	11.62	0.79	6.84	4.49	0	0
2	375.98	1.52	0.95	8.69	9.18	11.62	0.79	6.84	4.49	0	0
2.1	375.98	1.52	0.95	8.71	9.19	11.62	0.79	6.84	4.49	0	0
2.2	375.98	1.52	0.95	8.71	9.19	11.62	0.79	6.84	4.49	0.000093	0.7095
2.3	375.98	1.53	0.95	8.73	9.2	11.62	0.79	6.84	4.48	0	0
2.4	375.98	1.53	0.95	8.73	9.2	11.62	0.79	6.84	4.48	0	0
2.5	375.98	1.53	0.95	8.73	9.2	11.62	0.79	6.84	4.48	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 873

MASSIMA PORTATA 13.19 AT TIME 0.84
MASSIMA QUOTA PELO LIBERO 376.3 AT TIME 0.86

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.4	0	0	0	0	0	0	0	0	0	0
0.1	374.4	0	0	0	0	0	0	0	0	0	0
0.2	374.52	0.13	0.27	0.14	0.53	4.01	0.13	3.9	31.02	0.002303	2.96732
0.3	374.74	0.34	0.46	0.67	1.48	5.89	0.25	5.58	16.55	0.00128	3.10967
0.4	375.08	0.68	0.61	2.04	3.33	6.75	0.49	5.91	8.7	0.000675	3.22992
0.5	375.34	0.94	0.76	3.65	4.82	7.29	0.66	6.04	6.41	0.000613	3.92877
0.6	375.69	1.29	0.95	6.49	6.86	8	0.86	6.2	4.81	0.001677	13.93321
0.7	376.05	1.66	1.19	10.72	8.99	10.95	0.82	6.24	3.77	0.000236	1.8817
0.8	376.24	1.84	1.27	12.72	10.06	10.95	0.92	6.24	3.39	0	0
0.9	376.28	1.88	1.21	12.48	10.29	10.95	0.94	6.24	3.32	0.000478	4.35761
1	376.24	1.84	1.18	11.88	10.1	10.95	0.92	6.24	3.38	0.000897	8.02306
1.1	376.19	1.8	1.13	11.1	9.81	10.95	0.9	6.24	3.48	0.00043	3.7378
1.2	376.14	1.74	1.08	10.27	9.51	10.95	0.87	6.24	3.58	0.000321	2.70444
1.3	376.07	1.67	1.05	9.56	9.09	10.95	0.83	6.24	3.73	0.000268	2.15516
1.4	376.01	1.61	1.03	8.99	8.69	10.95	0.79	6.24	3.88	0.000436	3.35793
1.5	375.98	1.58	1.02	8.76	8.55	10.95	0.78	6.24	3.94	0.000407	3.082
1.6	375.97	1.57	1.02	8.67	8.48	10.95	0.78	6.24	3.97	0.000395	2.96524
1.7	375.97	1.57	1.02	8.66	8.46	10.95	0.77	6.24	3.98	0.000431	3.22669
1.8	375.97	1.57	1.02	8.66	8.45	10.95	0.77	6.24	3.98	0.000427	3.19461
1.9	375.97	1.57	1.03	8.68	8.46	10.95	0.77	6.24	3.98	0.000373	2.79495
2	375.97	1.57	1.03	8.68	8.46	10.95	0.77	6.24	3.98	0.000418	3.13205
2.1	375.97	1.57	1.03	8.69	8.46	10.95	0.77	6.24	3.98	0.000372	2.78374
2.2	375.97	1.57	1.03	8.7	8.46	10.95	0.77	6.24	3.98	0.000496	3.71865

2.3	375.97	1.57	1.03	8.71	8.47	10.95	0.77	6.24	3.97	0.000533	3.99849
2.4	375.97	1.57	1.03	8.72	8.47	10.95	0.77	6.24	3.97	0.000275	2.06548
2.5	375.97	1.57	1.03	8.71	8.47	10.95	0.77	6.24	3.97	0.000516	3.87068

CHANNEL HYDROGRAPH FOR ELEMENT NO: 946

MASSIMA PORTATA 13.11 AT TIME 0.81
MASSIMA QUOTA PELO LIBERO 376.29 AT TIME 0.86

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.34	0	0	0	0	0	0	0	0	0	0
0.1	374.34	0	0	0	0	0	0	0	0	0	0
0.2	374.46	0.12	0.23	0.12	0.51	3.39	0.15	3.28	27.54	0.00194	2.79986
0.3	374.7	0.36	0.46	0.62	1.36	5.03	0.27	4.69	12.86	0.001398	3.65978
0.4	375.06	0.72	0.66	1.99	3.02	6.16	0.49	5.31	7.36	0.000931	4.42139
0.5	375.32	0.98	0.83	3.6	4.35	6.7	0.65	5.44	5.53	0.000701	4.41021
0.6	375.67	1.33	1.04	6.39	6.16	7.41	0.83	5.61	4.22	0	0
0.7	376.03	1.69	1.31	10.58	8.05	10.2	0.79	5.63	3.33	0.000351	2.68723
0.8	376.21	1.88	1.4	12.62	9.02	10.2	0.88	5.63	3	0.000181	1.54841
0.9	376.25	1.92	1.34	12.41	9.24	10.2	0.91	5.63	2.94	0.000523	4.58797
1	376.22	1.88	1.31	11.83	9.07	10.2	0.89	5.63	2.99	0.000874	7.53745
1.1	376.17	1.84	1.25	11.05	8.81	10.2	0.86	5.63	3.07	0	0
1.2	376.12	1.78	1.2	10.24	8.55	10.2	0.84	5.63	3.15	0	0
1.3	376.05	1.71	1.17	9.56	8.17	10.2	0.8	5.63	3.28	0.000275	2.13213
1.4	375.99	1.65	1.15	8.97	7.81	10.2	0.77	5.63	3.42	0.000603	4.47642
1.5	375.96	1.62	1.14	8.74	7.68	10.2	0.75	5.63	3.47	0.000413	3.01289
1.6	375.95	1.61	1.13	8.65	7.62	10.2	0.75	5.63	3.49	0.000423	3.06662
1.7	375.95	1.61	1.14	8.63	7.6	10.2	0.75	5.63	3.5	0.000514	3.71056
1.8	375.95	1.61	1.14	8.63	7.59	10.2	0.74	5.63	3.5	0.00042	3.0327
1.9	375.95	1.61	1.14	8.65	7.59	10.2	0.74	5.63	3.5	0.000307	2.21919
2	375.95	1.61	1.14	8.65	7.59	10.2	0.74	5.63	3.5	0.000436	3.14613
2.1	375.95	1.61	1.14	8.67	7.6	10.2	0.75	5.63	3.5	0.00042	3.03242
2.2	375.95	1.61	1.14	8.67	7.6	10.2	0.75	5.63	3.5	0.000435	3.14311
2.3	375.95	1.61	1.14	8.69	7.61	10.2	0.75	5.63	3.5	0.00051	3.68477
2.4	375.95	1.61	1.14	8.69	7.61	10.2	0.75	5.63	3.49	0.000344	2.48919
2.5	375.95	1.61	1.14	8.69	7.61	10.2	0.75	5.63	3.49	0.000515	3.72728

CHANNEL HYDROGRAPH FOR ELEMENT NO: 1020

MASSIMA PORTATA 12.96 AT TIME 0.81
MASSIMA QUOTA PELO LIBERO 376.28 AT TIME 0.86

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.28	0	0	0	0	0	0	0	0	0	0
0.1	374.28	0	0	0	0	0	0	0	0	0	0
0.2	374.39	0.11	0.19	0.09	0.5	2.79	0.18	2.68	23.51	0.001437	2.49232
0.3	374.67	0.39	0.43	0.57	1.32	4.23	0.31	3.85	9.8	0.001394	4.2142
0.4	375.03	0.76	0.71	1.94	2.72	5.54	0.49	4.69	6.2	0.001107	5.27517
0.5	375.3	1.02	0.92	3.55	3.85	6.09	0.63	4.84	4.74	0.00085	5.20288
0.6	375.64	1.36	1.17	6.27	5.36	9.43	0.57	5.02	3.69	0	0
0.7	375.99	1.72	1.5	10.42	6.96	9.43	0.74	5.02	2.92	0	0
0.8	376.18	1.9	1.59	12.38	7.79	9.43	0.83	5.02	2.64	0.00057	4.56002
0.9	376.22	1.95	1.53	12.22	7.99	9.43	0.85	5.02	2.58	0.000606	4.97883
1	376.19	1.91	1.49	11.69	7.85	9.43	0.83	5.02	2.62	0.000781	6.3048
1.1	376.15	1.87	1.43	10.95	7.64	9.43	0.81	5.02	2.69	0	0
1.2	376.1	1.82	1.37	10.2	7.42	9.43	0.79	5.02	2.76	0.000263	2.00567
1.3	376.03	1.75	1.35	9.55	7.09	9.43	0.75	5.02	2.87	0.000352	2.56498
1.4	375.96	1.68	1.32	8.95	6.78	9.43	0.72	5.02	2.99	0.000669	4.6608
1.5	375.93	1.65	1.31	8.71	6.67	9.43	0.71	5.02	3.03	0.000577	3.95092
1.6	375.92	1.64	1.3	8.62	6.62	9.43	0.7	5.02	3.05	0.00062	4.21373
1.7	375.92	1.64	1.3	8.6	6.6	9.43	0.7	5.02	3.06	0.000664	4.50414
1.8	375.92	1.64	1.3	8.6	6.59	9.43	0.7	5.02	3.06	0.000638	4.32294
1.9	375.92	1.64	1.31	8.61	6.59	9.43	0.7	5.02	3.06	0.00051	3.45291
2	375.92	1.64	1.31	8.61	6.59	9.43	0.7	5.02	3.06	0.000647	4.38301
2.1	375.92	1.64	1.31	8.63	6.6	9.43	0.7	5.02	3.06	0.000606	4.1076
2.2	375.92	1.64	1.31	8.64	6.6	9.43	0.7	5.02	3.06	0.000546	3.69896
2.3	375.92	1.64	1.31	8.65	6.6	9.43	0.7	5.02	3.06	0.000619	4.19705
2.4	375.92	1.64	1.31	8.65	6.61	9.43	0.7	5.02	3.06	0.000566	3.84263
2.5	375.92	1.64	1.31	8.65	6.61	9.43	0.7	5.02	3.06	0.000565	3.83412

CHANNEL HYDROGRAPH FOR ELEMENT NO: 1094

MASSIMA PORTATA 12.94 AT TIME 0.81
MASSIMA QUOTA PELO LIBERO 376.25 AT TIME 0.97

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.21	0	0	0	0	0	0	0	0	0	0
0.1	374.21	0	0	0	0	0	0	0	0	0	0
0.2	374.32	0.12	0.15	0.07	0.46	2.69	0.17	2.66	22.95	0.001009	1.68015
0.3	374.65	0.44	0.43	0.53	1.24	3.96	0.31	3.52	8.03	0.001214	3.68067
0.4	375.01	0.8	0.78	1.91	2.43	4.72	0.51	3.77	4.71	0.001102	5.49639
0.5	375.27	1.06	1.04	3.52	3.37	5.28	0.64	3.95	3.73	0.001081	6.69855
0.6	375.6	1.39	1.33	6.17	4.63	8.47	0.55	4.13	2.97	0.002246	11.91184
0.7	375.94	1.74	1.72	10.24	5.96	8.47	0.7	4.13	2.38	0.000371	2.52752
0.8	376.13	1.92	1.84	12.31	6.69	8.47	0.79	4.13	2.14	0.001206	9.23277
0.9	376.18	1.97	1.77	12.15	6.88	8.47	0.81	4.13	2.1	0.00075	5.90662
1	376.15	1.94	1.72	11.63	6.77	8.47	0.8	4.13	2.13	0.001413	10.94854
1.1	376.1	1.89	1.65	10.91	6.59	8.47	0.78	4.13	2.18	0.000227	1.71584
1.2	376.06	1.85	1.58	10.16	6.42	8.47	0.76	4.13	2.23	0.001286	9.44609
1.3	375.98	1.77	1.56	9.54	6.12	8.47	0.72	4.13	2.33	0.000913	6.40129
1.4	375.91	1.71	1.53	8.93	5.85	8.47	0.69	4.13	2.42	0.000945	6.32707
1.5	375.89	1.68	1.51	8.68	5.75	8.47	0.68	4.13	2.45	0.001013	6.67372
1.6	375.88	1.67	1.5	8.59	5.71	8.47	0.67	4.13	2.47	0.001067	6.97515
1.7	375.87	1.67	1.51	8.57	5.69	8.47	0.67	4.13	2.48	0.001027	6.69265
1.8	375.87	1.66	1.51	8.57	5.69	8.47	0.67	4.13	2.48	0.001071	6.96704
1.9	375.87	1.66	1.51	8.58	5.69	8.47	0.67	4.13	2.48	0.001019	6.63164
2	375.87	1.66	1.51	8.58	5.69	8.47	0.67	4.13	2.48	0.001104	7.18065
2.1	375.87	1.67	1.51	8.6	5.69	8.47	0.67	4.13	2.48	0.001052	6.85349
2.2	375.87	1.67	1.51	8.61	5.69	8.47	0.67	4.13	2.48	0.000992	6.4603
2.3	375.88	1.67	1.51	8.61	5.7	8.47	0.67	4.13	2.48	0.001022	6.66049
2.4	375.88	1.67	1.51	8.62	5.7	8.47	0.67	4.13	2.47	0.001079	7.03346
2.5	375.88	1.67	1.51	8.62	5.7	8.47	0.67	4.13	2.47	0.000992	6.46912

CHANNEL HYDROGRAPH FOR ELEMENT NO: 1169

MASSIMA PORTATA 13.09 AT TIME 0.82
MASSIMA QUOTA PELO LIBERO 376.2 AT TIME 0.99

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.2	0	0	0	0	0	0	0	0	0	0
0.1	374.2	0	0	0	0	0	0	0	0	0	0
0.2	374.29	0.09	0.13	0.05	0.39	2.04	0.19	1.98	21.56	0.001115	2.04395
0.3	374.62	0.42	0.47	0.49	1.03	3.6	0.29	3.24	7.67	0.001554	4.32449
0.4	374.97	0.78	0.9	1.87	2.07	4.36	0.47	3.48	4.49	0.001674	7.69711
0.5	375.23	1.03	1.2	3.48	2.9	4.89	0.59	3.64	3.54	0.002051	11.77761
0.6	375.54	1.34	1.53	6.08	3.97	7.98	0.5	3.8	2.83	0.004437	21.40884
0.7	375.87	1.67	1.98	10.11	5.11	7.98	0.64	3.8	2.27	0.007343	45.56807
0.8	376.06	1.86	2.11	12.23	5.8	7.98	0.73	3.8	2.04	0.002982	21.00596
0.9	376.11	1.91	2.02	12.1	6	7.98	0.75	3.8	1.99	0.002817	20.54779
1	376.08	1.88	1.95	11.57	5.92	7.98	0.74	3.8	2.02	0.004583	32.97823
1.1	376.04	1.84	1.89	10.88	5.77	7.98	0.72	3.8	2.06	0.00343	24.03061
1.2	376	1.8	1.8	10.12	5.63	7.98	0.71	3.8	2.11	0.00409	27.95528
1.3	375.92	1.72	1.78	9.54	5.35	7.98	0.67	3.8	2.2	0.003141	20.42322
1.4	375.85	1.65	1.75	8.93	5.09	7.98	0.64	3.8	2.3	0.00293	18.13057
1.5	375.83	1.63	1.73	8.68	5	7.98	0.63	3.8	2.33	0.002993	18.18355
1.6	375.82	1.62	1.73	8.58	4.96	7.98	0.62	3.8	2.35	0.003038	18.30444
1.7	375.81	1.61	1.73	8.56	4.94	7.98	0.62	3.8	2.35	0.002992	17.96091
1.8	375.81	1.61	1.74	8.56	4.93	7.98	0.62	3.8	2.36	0.00304	18.21754
1.9	375.81	1.61	1.74	8.57	4.93	7.98	0.62	3.8	2.36	0.003061	18.33418
2	375.81	1.61	1.74	8.57	4.93	7.98	0.62	3.8	2.36	0.003073	18.40798
2.1	375.81	1.61	1.74	8.59	4.93	7.98	0.62	3.8	2.36	0.00308	18.45946
2.2	375.81	1.61	1.74	8.6	4.94	7.98	0.62	3.8	2.35	0.003029	18.16206
2.3	375.81	1.61	1.74	8.61	4.94	7.98	0.62	3.8	2.35	0.003017	18.10588
2.4	375.81	1.61	1.74	8.61	4.94	7.98	0.62	3.8	2.35	0.003145	18.87403
2.5	375.81	1.61	1.74	8.61	4.94	7.98	0.62	3.8	2.35	0.003045	18.28082

CHANNEL HYDROGRAPH FOR ELEMENT NO: 1245

MASSIMA PORTATA 13.48 AT TIME 0.82
MASSIMA QUOTA PELO LIBERO 376.11 AT TIME 0.94

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.18	0	0	0	0	0	0	0	0	0	0
0.1	374.18	0	0	0	0	0	0	0	0	0	0
0.2	374.25	0.07	0.1	0.03	0.32	1.31	0.24	1.29	17.96	0.00159	3.74507
0.3	374.58	0.41	0.53	0.46	0.86	3.15	0.27	2.81	6.94	0.002533	6.71149
0.4	374.92	0.74	1.03	1.83	1.78	3.88	0.46	3.09	4.18	0.003214	14.31335
0.5	375.16	0.98	1.31	3.45	2.63	4.4	0.6	3.29	3.35	0.003575	20.72163
0.6	375.45	1.27	1.59	6.02	3.79	7.36	0.51	3.49	2.75	0.005075	25.29908
0.7	375.75	1.57	1.98	10.07	5.09	7.36	0.69	3.49	2.22	0.007639	51.20277
0.8	375.95	1.77	2.05	12.19	5.94	7.36	0.81	3.49	1.97	0.005815	45.48946
0.9	376.01	1.83	1.94	12.07	6.23	7.36	0.85	3.49	1.9	0.004562	37.41887
1	375.99	1.81	1.88	11.55	6.15	7.36	0.83	3.49	1.92	0.005318	43.03228
1.1	375.95	1.77	1.83	10.87	5.96	7.36	0.81	3.49	1.97	0.00512	40.15384
1.2	375.91	1.73	1.74	10.14	5.81	7.36	0.79	3.49	2.01	0.004714	36.07159
1.3	375.84	1.66	1.73	9.58	5.53	7.36	0.75	3.49	2.1	0.004292	31.25832
1.4	375.76	1.58	1.72	8.96	5.22	7.36	0.71	3.49	2.2	0.004141	28.46476
1.5	375.74	1.56	1.7	8.69	5.1	7.36	0.69	3.49	2.24	0.004257	28.59552
1.6	375.72	1.55	1.7	8.6	5.05	7.36	0.69	3.49	2.25	0.004284	28.462
1.7	375.72	1.54	1.71	8.57	5.02	7.36	0.68	3.49	2.26	0.004311	28.48747
1.8	375.72	1.54	1.71	8.57	5.01	7.36	0.68	3.49	2.27	0.004349	28.66461
1.9	375.72	1.54	1.72	8.58	5	7.36	0.68	3.49	2.27	0.004412	29.04145
2	375.72	1.54	1.72	8.58	5	7.36	0.68	3.49	2.27	0.00436	28.7064
2.1	375.72	1.54	1.72	8.6	5	7.36	0.68	3.49	2.27	0.004425	29.15515
2.2	375.72	1.54	1.72	8.61	5.01	7.36	0.68	3.49	2.26	0.004386	28.90629
2.3	375.72	1.54	1.72	8.62	5.01	7.36	0.68	3.49	2.26	0.004334	28.59245
2.4	375.72	1.54	1.72	8.63	5.01	7.36	0.68	3.49	2.26	0.004437	29.28133
2.5	375.72	1.54	1.72	8.62	5.02	7.36	0.68	3.49	2.26	0.004382	28.93687

CHANNEL HYDROGRAPH FOR ELEMENT NO: 1322

MASSIMA PORTATA 14.48 AT TIME 0.82
MASSIMA QUOTA PELO LIBERO 376.06 AT TIME 0.91

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.17	0	0	0	0	0	0	0	0	0	0
0.1	374.17	0	0	0	0	0	0	0	0	0	0
0.2	374.22	0.05	0.08	0.02	0.26	0.97	0.27	0.96	19.36	0.002125	5.53855
0.3	374.53	0.37	0.57	0.43	0.76	2.92	0.26	2.66	7.27	0.003887	9.8132
0.4	374.84	0.67	1.05	1.8	1.72	4.04	0.43	3.5	5.19	0.004205	17.38305
0.5	375.09	0.92	1.23	3.41	2.77	4.98	0.56	4.22	4.59	0.003526	19.02419
0.6	375.37	1.2	1.43	5.96	4.16	6.09	0.68	5.08	4.22	0.003629	24.00522
0.7	375.68	1.51	1.74	9.92	5.72	8.6	0.66	5.13	3.39	0.002492	16.06401
0.8	375.88	1.72	1.8	12.07	6.7	8.6	0.78	5.13	2.99	0.003619	27.34048
0.9	375.95	1.78	1.71	12.02	7.04	8.6	0.82	5.13	2.87	0.003558	28.25694
1	375.93	1.76	1.66	11.56	6.96	8.6	0.81	5.13	2.91	0.002864	22.47887
1.1	375.89	1.72	1.61	10.86	6.74	8.6	0.78	5.13	2.98	0.003768	28.61376
1.2	375.86	1.69	1.55	10.15	6.57	8.6	0.76	5.13	3.04	0.003596	26.62733
1.3	375.8	1.63	1.52	9.62	6.31	8.6	0.73	5.13	3.15	0.00229	16.29872
1.4	375.73	1.56	1.5	9	5.99	8.6	0.7	5.13	3.29	0.0023	15.5359
1.5	375.7	1.53	1.49	8.72	5.85	8.6	0.68	5.13	3.35	0.00241	15.88635
1.6	375.68	1.52	1.49	8.62	5.78	8.6	0.67	5.13	3.38	0.002462	16.03295
1.7	375.68	1.51	1.5	8.59	5.74	8.6	0.67	5.13	3.4	0.002465	15.9529
1.8	375.67	1.5	1.5	8.59	5.73	8.6	0.67	5.13	3.41	0.002494	16.09657
1.9	375.67	1.5	1.5	8.6	5.72	8.6	0.67	5.13	3.41	0.002513	16.19684
2	375.67	1.5	1.5	8.6	5.72	8.6	0.67	5.13	3.41	0.002519	16.23783
2.1	375.67	1.5	1.51	8.62	5.72	8.6	0.67	5.13	3.41	0.002542	16.39741
2.2	375.67	1.5	1.51	8.62	5.72	8.6	0.67	5.13	3.41	0.002563	16.54132
2.3	375.67	1.51	1.51	8.63	5.73	8.6	0.67	5.13	3.41	0.002498	16.13429
2.4	375.67	1.51	1.51	8.64	5.73	8.6	0.67	5.13	3.4	0.002564	16.56644
2.5	375.68	1.51	1.51	8.64	5.73	8.6	0.67	5.13	3.4	0.002553	16.50225

CHANNEL HYDROGRAPH FOR ELEMENT NO: 1398

MASSIMA PORTATA 14.11 AT TIME 0.83
MASSIMA QUOTA PELO LIBERO 376.03 AT TIME 0.84

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	374.16	0	0	0	0	0	0	0	0	0	0
0.1	374.16	0	0	0	0	0	0	0	0	0	0
0.2	374.19	0.03	0.05	0.01	0.02	0.65	0	0.64	0	0.003866	0
0.3	374.47	0.31	0.52	0.4	0.78	3.39	0.23	3.2	10.26	0.004435	9.84245
0.4	374.77	0.61	0.93	1.77	1.9	4.37	0.43	3.91	6.42	0.003164	13.32562
0.5	375.04	0.89	1.07	3.37	3.16	5.24	0.6	4.52	5.1	0.002208	12.90449
0.6	375.34	1.18	1.27	5.86	4.6	8.06	0.57	4.97	4.19	0.002128	11.77508
0.7	375.66	1.5	1.6	9.77	6.12	8.06	0.76	4.97	3.31	0.000865	6.36163
0.8	375.85	1.69	1.72	12.03	7.01	8.06	0.87	4.97	2.94	0.000406	3.42174
0.9	375.92	1.76	1.63	11.97	7.34	8.06	0.91	4.97	2.83	0.002589	22.86784
1	375.9	1.74	1.59	11.51	7.26	8.06	0.9	4.97	2.85	0.000612	5.34376
1.1	375.86	1.7	1.54	10.87	7.08	8.06	0.88	4.97	2.92	0.001608	13.68644
1.2	375.82	1.66	1.47	10.18	6.92	8.06	0.86	4.97	2.98	0.000801	6.66826
1.3	375.78	1.62	1.43	9.63	6.73	8.06	0.84	4.97	3.06	0.000866	7.01044
1.4	375.73	1.57	1.39	9.01	6.47	8.06	0.8	4.97	3.17	0.000894	6.96575
1.5	375.7	1.54	1.38	8.73	6.33	8.06	0.79	4.97	3.23	0.000904	6.88466
1.6	375.68	1.53	1.38	8.62	6.26	8.06	0.78	4.97	3.26	0.000925	6.96724
1.7	375.68	1.52	1.38	8.59	6.23	8.06	0.77	4.97	3.27	0.000897	6.72151
1.8	375.67	1.52	1.38	8.59	6.22	8.06	0.77	4.97	3.28	0.000899	6.72478
1.9	375.67	1.51	1.39	8.6	6.21	8.06	0.77	4.97	3.28	0.000897	6.70474
2	375.67	1.51	1.39	8.6	6.21	8.06	0.77	4.97	3.28	0.000942	7.03147
2.1	375.67	1.51	1.39	8.62	6.21	8.06	0.77	4.97	3.28	0.000924	6.90742
2.2	375.67	1.51	1.39	8.62	6.21	8.06	0.77	4.97	3.28	0.000979	7.31451
2.3	375.67	1.52	1.39	8.63	6.22	8.06	0.77	4.97	3.28	0.00098	7.33026
2.4	375.67	1.52	1.39	8.64	6.22	8.06	0.77	4.97	3.28	0.000955	7.14345
2.5	375.67	1.52	1.39	8.64	6.22	8.06	0.77	4.97	3.27	0.000988	7.39632

CHANNEL HYDROGRAPH FOR ELEMENT NO: 1476

MASSIMA	PORTATA	14.41	AT TIME	0.81
MASSIMA	QUOTA PELO LIBERO	376	AT TIME	0.84

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.15	0	0	0	0	0	0	0	0	0	0
0.1	374.15	0	0	0	0	0	0	0	0	0	0
0.2	374.16	0.01	0.01	0	0	0	0	0	0	0.006707	0
0.3	374.41	0.26	0.49	0.37	0.76	3.97	0.19	3.81	14.76	0.00405	7.53632
0.4	374.72	0.57	0.81	1.72	2.11	4.76	0.44	4.24	7.39	0.001735	7.45519
0.5	375.03	0.88	0.93	3.32	3.56	5.51	0.64	4.66	5.31	0.001419	8.86843
0.6	375.33	1.18	1.13	5.73	5.05	7.68	0.66	4.79	4.05	0.001708	10.88902
0.7	375.64	1.49	1.46	9.6	6.59	7.68	0.86	4.79	3.21	0.00242	20.13139
0.8	375.82	1.67	1.6	11.94	7.48	7.68	0.97	4.79	2.86	0.002476	23.3612
0.9	375.89	1.74	1.54	11.94	7.76	7.68	1.01	4.79	2.75	0.002271	22.23388
1	375.87	1.72	1.5	11.52	7.68	7.68	1	4.79	2.78	0.000164	1.59155
1.1	375.84	1.69	1.44	10.89	7.57	7.68	0.98	4.79	2.83	0.000326	3.11378
1.2	375.81	1.66	1.37	10.19	7.42	7.68	0.97	4.79	2.88	0	0
1.3	375.77	1.63	1.33	9.64	7.25	7.68	0.94	4.79	2.94	0.000916	8.3833
1.4	375.72	1.58	1.29	9.02	7	7.68	0.91	4.79	3.04	0.000926	8.18412
1.5	375.7	1.55	1.27	8.74	6.86	7.68	0.89	4.79	3.09	0.000922	7.98236
1.6	375.68	1.53	1.27	8.62	6.79	7.68	0.88	4.79	3.12	0.000902	7.72748
1.7	375.67	1.53	1.27	8.59	6.75	7.68	0.88	4.79	3.14	0.000919	7.83292
1.8	375.67	1.52	1.27	8.59	6.74	7.68	0.88	4.79	3.14	0.00092	7.82654
1.9	375.67	1.52	1.28	8.6	6.73	7.68	0.88	4.79	3.15	0.00094	7.98989
2	375.67	1.52	1.28	8.6	6.73	7.68	0.88	4.79	3.15	0.000934	7.92984
2.1	375.67	1.52	1.28	8.62	6.73	7.68	0.88	4.79	3.14	0.000937	7.95831
2.2	375.67	1.52	1.28	8.62	6.74	7.68	0.88	4.79	3.14	0.000947	8.04652
2.3	375.67	1.52	1.28	8.63	6.74	7.68	0.88	4.79	3.14	0.000986	8.38665
2.4	375.67	1.52	1.28	8.64	6.74	7.68	0.88	4.79	3.14	0.000902	7.67538
2.5	375.67	1.52	1.28	8.64	6.74	7.68	0.88	4.79	3.14	0.000961	8.17326

CHANNEL HYDROGRAPH FOR ELEMENT NO: 1553

MASSIMA	PORTATA	14.00	AT TIME	0.81
MASSIMA	QUOTA PELO LIBERO	375.95	AT TIME	0.77

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.14	0	0	0	0	0	0	0	0	0	0
0.1	374.14	0	0	0	0	0	0	0	0	0	0
0.2	374.14	0	0	0	0	0	0	0	0	0	0
0.3	374.34	0.2	0.44	0.34	0.77	4.21	0.18	4.09	20.15	0.003496	6.18376
0.4	374.7	0.56	0.7	1.67	2.39	5.06	0.47	4.53	8.12	0.001163	5.32025

0.5	375.02	0.88	0.82	3.28	4.02	5.84	0.69	4.93	5.59	0.000941	6.27487
0.6	375.32	1.19	1	5.65	5.63	8.39	0.67	5.15	4.34	0.001118	7.26863
0.7	375.64	1.5	1.3	9.48	7.31	8.39	0.87	5.15	3.44	0.002087	17.62603
0.8	375.82	1.68	1.43	11.85	8.27	8.39	0.99	5.15	3.06	0.003508	33.51247
0.9	375.86	1.73	1.4	11.85	8.49	8.39	1.01	5.15	2.98	0.002792	27.39511
1	375.85	1.72	1.36	11.47	8.44	8.39	1.01	5.15	3	0.001872	18.25352
1.1	375.84	1.7	1.3	10.84	8.35	8.39	1	5.15	3.03	0.001551	14.9574
1.2	375.81	1.67	1.24	10.14	8.18	8.39	0.97	5.15	3.09	0.001583	14.96087
1.3	375.77	1.63	1.2	9.62	8.01	8.39	0.95	5.15	3.15	0.000875	8.09961
1.4	375.72	1.59	1.16	9.02	7.75	8.39	0.92	5.15	3.24	0.000857	7.67439
1.5	375.7	1.56	1.15	8.74	7.59	8.39	0.91	5.15	3.31	0.000845	7.40924
1.6	375.68	1.54	1.15	8.63	7.52	8.39	0.9	5.15	3.33	0.000829	7.19786
1.7	375.67	1.54	1.15	8.59	7.48	8.39	0.89	5.15	3.35	0.000842	7.27539
1.8	375.67	1.53	1.15	8.59	7.47	8.39	0.89	5.15	3.36	0.000839	7.2361
1.9	375.67	1.53	1.15	8.6	7.46	8.39	0.89	5.15	3.36	0.000858	7.39613
2	375.67	1.53	1.15	8.6	7.46	8.39	0.89	5.15	3.36	0.000853	7.34911
2.1	375.67	1.53	1.16	8.62	7.46	8.39	0.89	5.15	3.36	0.000842	7.25451
2.2	375.67	1.53	1.16	8.62	7.46	8.39	0.89	5.15	3.36	0.000853	7.35327
2.3	375.67	1.53	1.16	8.63	7.47	8.39	0.89	5.15	3.36	0.000869	7.49656
2.4	375.67	1.53	1.16	8.64	7.47	8.39	0.89	5.15	3.36	0.000845	7.29128
2.5	375.67	1.53	1.16	8.64	7.47	8.39	0.89	5.15	3.35	0.000857	7.39396

CHANNEL HYDROGRAPH FOR ELEMENT NO: 1631

MASSIMA PORTATA 13.83 AT TIME 0.87
MASSIMA QUOTA PELO LIBERO 375.92 AT TIME 0.83

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374.07	0	0	0	0	0	0	0	0	0	0
0.1	374.07	0	0	0	0	0	0	0	0	0	0
0.2	374.07	0	0	0	0	0	0	0	0	0	0
0.3	374.26	0.2	0.33	0.29	0.9	4.51	0.2	4.39	22.49	0.002444	4.70131
0.4	374.68	0.61	0.57	1.6	2.83	5.5	0.52	4.88	8.02	0.000741	3.70287
0.5	375.01	0.94	0.69	3.22	4.64	6.3	0.74	5.28	5.58	0.000522	3.72572
0.6	375.32	1.25	0.87	5.55	6.38	9.13	0.7	5.53	4.42	0.000363	2.46162
0.7	375.64	1.57	1.13	9.35	8.25	9.13	0.9	5.53	3.52	0.000875	7.66728
0.8	375.82	1.76	1.26	11.72	9.3	9.13	1.02	5.53	3.15	0.002144	21.17214
0.9	375.86	1.79	1.24	11.77	9.49	9.13	1.04	5.53	3.08	0.001433	14.44208
1	375.85	1.79	1.21	11.4	9.44	9.13	1.03	5.53	3.1	0.001068	10.70578
1.1	375.84	1.77	1.15	10.77	9.34	9.13	1.02	5.53	3.13	0.001275	12.64506
1.2	375.8	1.74	1.1	10.08	9.15	9.13	1	5.53	3.19	0.001611	15.64869
1.3	375.77	1.7	1.07	9.6	8.97	9.13	0.98	5.53	3.24	0.000477	4.5394
1.4	375.72	1.66	1.04	9.03	8.7	9.13	0.95	5.53	3.34	0.000453	4.18184
1.5	375.7	1.63	1.03	8.74	8.53	9.13	0.93	5.53	3.4	0.000463	4.19352
1.6	375.68	1.61	1.02	8.63	8.45	9.13	0.93	5.53	3.43	0.00044	3.95055
1.7	375.67	1.61	1.02	8.6	8.41	9.13	0.92	5.53	3.44	0.000446	3.98488
1.8	375.67	1.6	1.02	8.59	8.39	9.13	0.92	5.53	3.45	0.000436	3.88193
1.9	375.67	1.6	1.03	8.6	8.39	9.13	0.92	5.53	3.45	0.000462	4.11237
2	375.67	1.6	1.03	8.6	8.38	9.13	0.92	5.53	3.45	0.000454	4.03965
2.1	375.67	1.6	1.03	8.62	8.39	9.13	0.92	5.53	3.45	0.000435	3.87638
2.2	375.67	1.6	1.03	8.62	8.39	9.13	0.92	5.53	3.45	0.000453	4.03769
2.3	375.67	1.6	1.03	8.63	8.39	9.13	0.92	5.53	3.45	0.000471	4.19853
2.4	375.67	1.6	1.03	8.64	8.39	9.13	0.92	5.53	3.45	0.000461	4.10514
2.5	375.67	1.6	1.03	8.64	8.39	9.13	0.92	5.53	3.45	0.000477	4.24737

CHANNEL HYDROGRAPH FOR ELEMENT NO: 1710

MASSIMA PORTATA 13.08 AT TIME 0.87
MASSIMA QUOTA PELO LIBERO 375.91 AT TIME 0.83

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	374	0	0	0	0	0	0	0	0	0	0
0.1	374	0	0	0	0	0	0	0	0	0	0
0.2	374	0	0	0	0	0	0	0	0	0	0
0.3	374.2	0.2	0.26	0.24	0.92	4.9	0.19	4.79	23.56	0.001378	2.49684
0.4	374.67	0.67	0.52	1.53	2.93	5.97	0.49	5.33	7.98	0.000386	1.83395
0.5	375.01	1.01	0.67	3.16	4.75	6.76	0.7	5.72	5.66	0.000184	1.25119
0.6	375.32	1.32	0.85	5.49	6.49	9.9	0.66	6.02	4.56	0	0
0.7	375.65	1.65	1.06	8.95	8.4	9.9	0.85	6.02	3.65	0.000646	5.31226
0.8	375.83	1.83	1.17	11.07	9.48	9.9	0.96	6.02	3.28	0.000173	1.60134
0.9	375.86	1.87	1.17	11.3	9.65	9.9	0.97	6.02	3.23	0	0
1	375.85	1.86	1.15	11.03	9.6	9.9	0.97	6.02	3.24	0	0

1.1	375.84	1.84	1.1	10.46	9.49	9.9	0.96	6.02	3.28	0.000641	5.95114
1.2	375.8	1.8	1.06	9.86	9.29	9.9	0.94	6.02	3.34	0.000665	6.0496
1.3	375.77	1.77	1.03	9.43	9.11	9.9	0.92	6.02	3.39	0	0
1.4	375.73	1.73	1.01	8.93	8.84	9.9	0.89	6.02	3.49	0	0
1.5	375.7	1.7	1	8.67	8.67	9.9	0.88	6.02	3.55	0	0
1.6	375.68	1.68	1	8.55	8.59	9.9	0.87	6.02	3.57	0	0
1.7	375.68	1.68	1	8.52	8.55	9.9	0.86	6.02	3.59	0	0
1.8	375.67	1.68	1	8.51	8.53	9.9	0.86	6.02	3.59	0	0
1.9	375.67	1.67	1	8.51	8.53	9.9	0.86	6.02	3.6	0	0
2	375.67	1.67	1	8.51	8.52	9.9	0.86	6.02	3.6	0	0
2.1	375.67	1.67	1	8.53	8.53	9.9	0.86	6.02	3.6	0	0
2.2	375.67	1.67	1	8.53	8.53	9.9	0.86	6.02	3.6	0	0
2.3	375.67	1.67	1	8.54	8.53	9.9	0.86	6.02	3.6	0	0
2.4	375.67	1.68	1	8.54	8.53	9.9	0.86	6.02	3.59	0	0
2.5	375.67	1.68	1	8.54	8.53	9.9	0.86	6.02	3.59	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 1789

MASSIMA PORTATA 12.52 AT TIME 0.87
MASSIMA QUOTA PELO LIBERO 375.9 AT TIME 0.83

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.99	0	0	0	0	0	0	0	0	0	0
0.1	373.99	0	0	0	0	0	0	0	0	0	0
0.2	373.99	0	0	0	0	0	0	0	0	0	0
0.3	374.17	0.18	0.25	0.19	0.78	4.37	0.18	4.31	24.08	0.001471	2.55326
0.4	374.65	0.67	0.55	1.47	2.69	5.56	0.48	4.91	7.36	0.000544	2.5496
0.5	375	1.01	0.71	3.12	4.39	6.34	0.69	5.25	5.18	0.000403	2.70243
0.6	375.31	1.32	0.91	5.41	5.97	7.02	0.85	5.55	4.2	0.000468	3.85437
0.7	375.64	1.65	1.13	8.73	7.75	10.08	0.77	5.65	3.42	0.000219	1.63437
0.8	375.83	1.84	1.22	10.7	8.77	10.08	0.87	5.65	3.07	0	0
0.9	375.86	1.87	1.24	11.01	8.91	10.08	0.88	5.65	3.02	0.000691	5.92013
1	375.85	1.86	1.22	10.82	8.87	10.08	0.88	5.65	3.03	0.000546	4.65325
1.1	375.83	1.84	1.17	10.28	8.76	10.08	0.87	5.65	3.07	0.000245	2.06791
1.2	375.8	1.81	1.14	9.77	8.58	10.08	0.85	5.65	3.12	0.000451	3.71721
1.3	375.77	1.78	1.11	9.36	8.41	10.08	0.83	5.65	3.18	0	0
1.4	375.72	1.73	1.09	8.89	8.16	10.08	0.81	5.65	3.26	0.000245	1.92165
1.5	375.69	1.7	1.08	8.64	8	10.08	0.79	5.65	3.32	0.000208	1.60276
1.6	375.68	1.69	1.08	8.52	7.92	10.08	0.79	5.65	3.35	0.00022	1.67736
1.7	375.67	1.68	1.08	8.47	7.88	10.08	0.78	5.65	3.36	0.000243	1.83951
1.8	375.67	1.68	1.07	8.46	7.87	10.08	0.78	5.65	3.36	0.000271	2.04747
1.9	375.67	1.68	1.08	8.46	7.86	10.08	0.78	5.65	3.37	0.000267	2.02035
2	375.67	1.68	1.08	8.46	7.86	10.08	0.78	5.65	3.37	0.000254	1.91539
2.1	375.67	1.68	1.08	8.48	7.86	10.08	0.78	5.65	3.37	0.000213	1.61127
2.2	375.67	1.68	1.08	8.48	7.86	10.08	0.78	5.65	3.37	0.000253	1.9148
2.3	375.67	1.68	1.08	8.49	7.87	10.08	0.78	5.65	3.36	0.000294	2.22539
2.4	375.67	1.68	1.08	8.49	7.87	10.08	0.78	5.65	3.36	0.000218	1.65045
2.5	375.67	1.68	1.08	8.49	7.87	10.08	0.78	5.65	3.36	0.000243	1.83519

CHANNEL HYDROGRAPH FOR ELEMENT NO: 1869

MASSIMA PORTATA 12.15 AT TIME 0.87
MASSIMA QUOTA PELO LIBERO 375.88 AT TIME 0.82

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.98	0	0	0	0	0	0	0	0	0	0
0.1	373.98	0	0	0	0	0	0	0	0	0	0
0.2	373.98	0	0	0	0	0	0	0	0	0	0
0.3	374.13	0.15	0.22	0.15	0.7	4.03	0.17	4.01	26.62	0.002046	3.43763
0.4	374.64	0.66	0.56	1.41	2.5	5.3	0.47	4.59	6.94	0.000863	3.95342
0.5	374.99	1.01	0.75	3.07	4.08	6.04	0.68	4.85	4.81	0.000801	5.24256
0.6	375.29	1.31	0.97	5.37	5.52	6.7	0.83	5.09	3.87	0.000944	7.54963
0.7	375.62	1.64	1.19	8.53	7.16	10.34	0.69	5.27	3.21	0	0
0.8	375.81	1.83	1.3	10.5	8.1	10.34	0.78	5.27	2.88	0.000244	1.85659
0.9	375.84	1.86	1.33	10.92	8.24	10.34	0.8	5.27	2.84	0.001767	13.6501
1	375.83	1.85	1.31	10.77	8.2	10.34	0.79	5.27	2.85	0.001474	11.32133
1.1	375.81	1.83	1.26	10.23	8.1	10.34	0.78	5.27	2.88	0	0
1.2	375.78	1.8	1.23	9.74	7.92	10.34	0.77	5.27	2.93	0.000798	5.92739
1.3	375.75	1.77	1.2	9.33	7.77	10.34	0.75	5.27	2.98	0.000727	5.2903
1.4	375.7	1.72	1.18	8.88	7.53	10.34	0.73	5.27	3.06	0.000766	5.40977
1.5	375.67	1.69	1.17	8.62	7.38	10.34	0.71	5.27	3.12	0.000724	5.00736
1.6	375.66	1.68	1.16	8.5	7.31	10.34	0.71	5.27	3.14	0.00076	5.2039

1.7	375.65	1.67	1.16	8.45	7.27	10.34	0.7	5.27	3.16	0.000777	5.29703
1.8	375.65	1.67	1.16	8.43	7.26	10.34	0.7	5.27	3.16	0.000792	5.3924
1.9	375.65	1.67	1.16	8.44	7.26	10.34	0.7	5.27	3.16	0.000773	5.25652
2	375.65	1.67	1.16	8.43	7.25	10.34	0.7	5.27	3.16	0.000777	5.28199
2.1	375.65	1.67	1.16	8.45	7.26	10.34	0.7	5.27	3.16	0.000753	5.12239
2.2	375.65	1.67	1.16	8.45	7.26	10.34	0.7	5.27	3.16	0.000794	5.40331
2.3	375.65	1.67	1.16	8.46	7.26	10.34	0.7	5.27	3.16	0.0008	5.44125
2.4	375.65	1.67	1.17	8.46	7.26	10.34	0.7	5.27	3.16	0.000763	5.1958
2.5	375.65	1.67	1.17	8.46	7.26	10.34	0.7	5.27	3.16	0.000791	5.38141

CHANNEL HYDROGRAPH FOR ELEMENT NO: 1950

MASSIMA PORTATA 11.75 AT TIME 0.87
MASSIMA QUOTA PELO LIBERO 375.85 AT TIME 0.83

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.98	0	0	0	0	0	0	0	0	0	0
0.1	373.98	0	0	0	0	0	0	0	0	0	0
0.2	373.98	0	0	0	0	0	0	0	0	0	0
0.3	374.09	0.11	0.19	0.12	0.63	3.15	0.2	3.12	27.19	0.002137	4.14533
0.4	374.62	0.64	0.57	1.36	2.37	5	0.47	4.26	6.62	0.001002	4.59922
0.5	374.97	0.99	0.8	3.04	3.81	5.74	0.66	4.5	4.53	0.000949	6.10919
0.6	375.27	1.29	1.04	5.33	5.13	6.38	0.8	4.7	3.63	0.001016	7.90681
0.7	375.6	1.62	1.29	8.49	6.61	7.07	0.93	4.93	3.04	0	0
0.8	375.78	1.81	1.4	10.42	7.46	10.64	0.7	4.98	2.76	0.001238	8.41796
0.9	375.81	1.84	1.43	10.86	7.61	10.64	0.72	4.98	2.71	0.000641	4.44301
1	375.8	1.82	1.42	10.73	7.55	10.64	0.71	4.98	2.73	0.001525	10.49529
1.1	375.78	1.81	1.37	10.19	7.46	10.64	0.7	4.98	2.76	0.000556	3.78042
1.2	375.75	1.77	1.33	9.74	7.3	10.64	0.69	4.98	2.81	0.000417	2.77154
1.3	375.72	1.74	1.31	9.34	7.15	10.64	0.67	4.98	2.86	0.000892	5.81592
1.4	375.67	1.7	1.28	8.89	6.95	7.23	0.96	4.98	2.94	0.000708	6.58801
1.5	375.65	1.67	1.27	8.63	6.82	7.17	0.95	4.96	2.97	0.000697	6.41688
1.6	375.63	1.65	1.26	8.5	6.75	7.14	0.94	4.95	2.99	0.000729	6.67558
1.7	375.62	1.65	1.26	8.45	6.72	7.13	0.94	4.95	3	0.000747	6.82089
1.8	375.62	1.64	1.26	8.43	6.71	7.12	0.94	4.94	3.01	0.000755	6.88507
1.9	375.62	1.64	1.26	8.44	6.7	7.12	0.94	4.94	3.01	0.000714	6.51598
2	375.62	1.64	1.26	8.43	6.7	7.12	0.94	4.94	3.01	0.000725	6.61219
2.1	375.62	1.64	1.26	8.45	6.7	7.12	0.94	4.94	3.01	0.000737	6.7233
2.2	375.62	1.64	1.26	8.45	6.7	7.12	0.94	4.94	3.01	0.000754	6.87894
2.3	375.62	1.64	1.26	8.46	6.7	7.12	0.94	4.94	3.01	0.000718	6.55256
2.4	375.62	1.64	1.26	8.46	6.7	7.12	0.94	4.94	3.01	0.00074	6.75292
2.5	375.62	1.64	1.26	8.46	6.7	7.12	0.94	4.94	3.01	0.000755	6.88573

CHANNEL HYDROGRAPH FOR ELEMENT NO: 2031

MASSIMA PORTATA 11.55 AT TIME 0.87
MASSIMA QUOTA PELO LIBERO 375.82 AT TIME 0.87

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.97	0	0	0	0	0	0	0	0	0	0
0.1	373.97	0	0	0	0	0	0	0	0	0	0
0.2	373.97	0	0	0	0	0	0	0	0	0	0
0.3	374.05	0.08	0.14	0.08	0.59	3.08	0.19	3.01	37.58	0.00197	3.6881
0.4	374.6	0.63	0.58	1.3	2.23	4.81	0.46	3.93	6.22	0.001245	5.58473
0.5	374.95	0.98	0.86	2.99	3.5	5.54	0.63	4.13	4.21	0.001349	8.26587
0.6	375.25	1.28	1.14	5.28	4.65	6.15	0.76	4.29	3.36	0.00153	11.19963
0.7	375.57	1.6	1.42	8.44	5.94	6.82	0.87	4.48	2.8	0.000555	4.6871
0.8	375.75	1.78	1.56	10.41	6.69	7.2	0.93	4.58	2.57	0.002125	19.13228
0.9	375.78	1.82	1.59	10.86	6.83	7.27	0.94	4.6	2.53	0.000588	5.35824
1	375.77	1.8	1.58	10.73	6.77	7.24	0.94	4.59	2.55	0.001527	13.84031
1.1	375.75	1.78	1.52	10.19	6.69	7.2	0.93	4.58	2.57	0.001773	15.97082
1.2	375.72	1.75	1.49	9.74	6.55	7.13	0.92	4.56	2.61	0.00029	2.58535
1.3	375.68	1.72	1.45	9.34	6.42	7.07	0.91	4.54	2.65	0.001313	11.57107
1.4	375.64	1.67	1.42	8.9	6.25	6.98	0.9	4.52	2.7	0.001147	9.95612
1.5	375.62	1.65	1.41	8.63	6.14	6.93	0.89	4.5	2.73	0.001184	10.17195
1.6	375.6	1.63	1.4	8.5	6.08	6.9	0.88	4.5	2.75	0.001196	10.21747
1.7	375.6	1.63	1.4	8.45	6.05	6.88	0.88	4.49	2.76	0.001214	10.34867
1.8	375.59	1.63	1.4	8.43	6.04	6.88	0.88	4.49	2.76	0.001221	10.39256
1.9	375.59	1.62	1.4	8.44	6.03	6.87	0.88	4.49	2.77	0.001182	10.05663
2	375.59	1.62	1.4	8.43	6.03	6.87	0.88	4.49	2.77	0.001195	10.16639
2.1	375.59	1.62	1.4	8.45	6.03	6.87	0.88	4.49	2.77	0.001225	10.42091
2.2	375.59	1.62	1.4	8.45	6.03	6.87	0.88	4.49	2.77	0.001213	10.32028

2.3	375.59	1.62	1.4	8.46	6.04	6.87	0.88	4.49	2.76	0.001166	9.92083
2.4	375.59	1.62	1.4	8.46	6.04	6.88	0.88	4.49	2.76	0.001217	10.35679
2.5	375.59	1.62	1.4	8.46	6.04	6.88	0.88	4.49	2.76	0.001213	10.3211

CHANNEL HYDROGRAPH FOR ELEMENT NO: 2112

MASSIMA PORTATA 11.66 AT TIME 0.91
MASSIMA QUOTA PELO LIBERO 375.76 AT TIME 0.83

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.96	0	0	0	0	0	0	0	0	0	0
0.1	373.96	0	0	0	0	0	0	0	0	0	0
0.2	373.96	0	0	0	0	0	0	0	0	0	0
0.3	374.01	0.05	0.09	0.05	0.53	1.82	0.29	1.73	32.14	0.001782	5.02871
0.4	374.58	0.62	0.6	1.24	2.08	4.47	0.47	3.48	5.64	0.001489	6.73043
0.5	374.92	0.96	0.9	2.96	3.27	5.17	0.63	3.64	3.79	0.001872	11.4803
0.6	375.2	1.25	1.22	5.25	4.31	5.76	0.75	3.77	3.02	0.002366	17.15502
0.7	375.52	1.56	1.54	8.4	5.46	6.4	0.85	3.91	2.51	0.002748	22.7276
0.8	375.69	1.73	1.7	10.4	6.12	6.76	0.9	3.99	2.3	0.002963	25.99199
0.9	375.73	1.77	1.74	10.85	6.24	6.83	0.91	4	2.26	0.002706	23.97206
1	375.71	1.75	1.73	10.72	6.19	6.8	0.91	4	2.28	0.002138	18.85481
1.1	375.7	1.74	1.66	10.19	6.13	6.76	0.91	3.99	2.3	0.002617	22.99323
1.2	375.67	1.71	1.62	9.75	6.02	6.7	0.9	3.97	2.33	0.001463	12.73456
1.3	375.63	1.68	1.58	9.35	5.9	6.64	0.89	3.96	2.36	0.002294	19.76342
1.4	375.59	1.64	1.55	8.9	5.75	6.56	0.88	3.94	2.41	0.002196	18.66397
1.5	375.57	1.61	1.53	8.63	5.65	6.51	0.87	3.93	2.44	0.00225	18.9513
1.6	375.55	1.6	1.52	8.51	5.6	6.48	0.86	3.92	2.46	0.00224	18.76975
1.7	375.55	1.59	1.52	8.45	5.57	6.46	0.86	3.92	2.47	0.002247	18.77886
1.8	375.55	1.59	1.52	8.43	5.56	6.46	0.86	3.92	2.47	0.00224	18.70058
1.9	375.54	1.59	1.52	8.44	5.56	6.45	0.86	3.92	2.47	0.00224	18.69052
2	375.54	1.58	1.52	8.43	5.55	6.45	0.86	3.92	2.47	0.002256	18.82029
2.1	375.54	1.59	1.52	8.44	5.55	6.45	0.86	3.92	2.47	0.002278	19.00199
2.2	375.54	1.59	1.52	8.45	5.55	6.45	0.86	3.92	2.47	0.002245	18.73018
2.3	375.54	1.59	1.52	8.46	5.55	6.45	0.86	3.92	2.47	0.002213	18.46631
2.4	375.54	1.59	1.52	8.46	5.56	6.45	0.86	3.92	2.47	0.002278	19.01156
2.5	375.54	1.59	1.52	8.46	5.56	6.45	0.86	3.92	2.47	0.002261	18.86389

CHANNEL HYDROGRAPH FOR ELEMENT NO: 2195

MASSIMA PORTATA 11.51 AT TIME 0.91
MASSIMA QUOTA PELO LIBERO 375.69 AT TIME 0.83

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.95	0	0	0	0	0	0	0	0	0	0
0.1	373.95	0	0	0	0	0	0	0	0	0	0
0.2	373.95	0	0	0	0	0	0	0	0	0	0
0.3	373.98	0.04	0.07	0.02	0.34	1.01	0.34	1.01	27.51	0.002328	7.62343
0.4	374.55	0.6	0.64	1.2	1.88	4.63	0.41	3.72	6.2	0.001564	6.15187
0.5	374.88	0.93	0.95	2.93	3.09	5.3	0.58	3.73	3.99	0.00196	11.06945
0.6	375.16	1.21	1.27	5.22	4.1	5.85	0.7	3.74	3.09	0.002473	16.8102
0.7	375.46	1.51	1.6	8.37	5.22	6.45	0.81	3.76	2.49	0.003564	27.94886
0.8	375.63	1.68	1.78	10.4	5.86	6.79	0.86	3.76	2.24	0.00272	22.71955
0.9	375.66	1.71	1.81	10.85	5.99	6.86	0.87	3.76	2.2	0.003044	25.78272
1	375.65	1.7	1.81	10.72	5.93	6.83	0.87	3.76	2.22	0.002531	21.29383
1.1	375.63	1.69	1.73	10.18	5.88	6.81	0.86	3.76	2.23	0.00251	21.03319
1.2	375.61	1.66	1.68	9.75	5.79	6.75	0.86	3.76	2.27	0.002584	21.501
1.3	375.58	1.63	1.64	9.35	5.69	6.69	0.85	3.76	2.31	0.002309	19.0391
1.4	375.54	1.59	1.61	8.9	5.55	6.61	0.84	3.76	2.36	0.002235	18.16423
1.5	375.51	1.57	1.58	8.63	5.45	6.56	0.83	3.76	2.4	0.002266	18.2409
1.6	375.5	1.55	1.58	8.51	5.4	6.54	0.83	3.76	2.42	0.00226	18.08435
1.7	375.49	1.54	1.58	8.45	5.37	6.52	0.82	3.76	2.43	0.002258	18.01637
1.8	375.49	1.54	1.57	8.43	5.36	6.52	0.82	3.76	2.44	0.00224	17.85398
1.9	375.49	1.54	1.58	8.44	5.35	6.51	0.82	3.76	2.44	0.002266	18.04506
2	375.49	1.54	1.58	8.43	5.35	6.51	0.82	3.76	2.44	0.002278	18.13514
2.1	375.49	1.54	1.58	8.44	5.35	6.51	0.82	3.76	2.44	0.002288	18.21899
2.2	375.49	1.54	1.58	8.45	5.35	6.51	0.82	3.76	2.44	0.002267	18.04787
2.3	375.49	1.54	1.58	8.46	5.35	6.51	0.82	3.76	2.44	0.002252	17.93629
2.4	375.49	1.54	1.58	8.46	5.35	6.51	0.82	3.76	2.44	0.002287	18.2188
2.5	375.49	1.54	1.58	8.46	5.35	6.51	0.82	3.76	2.44	0.002274	18.10986

CHANNEL HYDROGRAPH FOR ELEMENT NO: 2279

MASSIMA PORTATA 11.43 AT TIME 0.88
MASSIMA QUOTA PELO LIBERO 375.64 AT TIME 0.85

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.94	0	0	0	0	0	0	0	0	0	0
0.1	373.94	0	0	0	0	0	0	0	0	0	0
0.2	373.94	0	0	0	0	0	0	0	0	0	0
0.3	373.96	0.02	0.03	0.01	0.02	0.33	0	0.33	0	0.005678	0
0.4	374.51	0.57	0.75	1.14	1.51	4.43	0.34	3.82	6.67	0.002566	8.49543
0.5	374.84	0.9	1.06	2.89	2.72	5.09	0.54	3.84	4.25	0.002831	14.69088
0.6	375.11	1.17	1.39	5.18	3.73	5.62	0.66	3.85	3.29	0.003385	21.78738
0.7	375.4	1.46	1.72	8.34	4.85	6.2	0.78	3.86	2.65	0.003738	28.35533
0.8	375.57	1.63	1.89	10.39	5.5	6.54	0.84	3.87	2.38	0.003109	25.35889
0.9	375.61	1.67	1.91	10.86	5.68	6.62	0.86	3.87	2.32	0.002715	22.58267
1	375.59	1.65	1.9	10.72	5.63	6.58	0.86	3.87	2.35	0.002734	22.67461
1.1	375.58	1.64	1.82	10.18	5.59	6.56	0.85	3.87	2.36	0.002568	21.23596
1.2	375.56	1.62	1.77	9.75	5.52	6.52	0.85	3.87	2.39	0.002993	24.57748
1.3	375.53	1.59	1.72	9.35	5.43	6.47	0.84	3.87	2.43	0.002328	18.93832
1.4	375.49	1.56	1.69	8.91	5.28	6.4	0.83	3.87	2.48	0.002303	18.43514
1.5	375.47	1.53	1.67	8.64	5.18	6.35	0.82	3.87	2.52	0.002317	18.34594
1.6	375.46	1.52	1.66	8.51	5.13	6.32	0.81	3.87	2.55	0.002332	18.34303
1.7	375.45	1.51	1.66	8.45	5.09	6.3	0.81	3.87	2.56	0.002337	18.31078
1.8	375.45	1.51	1.66	8.43	5.09	6.3	0.81	3.87	2.56	0.002318	18.14997
1.9	375.44	1.51	1.66	8.44	5.08	6.29	0.81	3.86	2.57	0.002343	18.3241
2	375.44	1.5	1.66	8.43	5.07	6.29	0.81	3.86	2.57	0.002358	18.42733
2.1	375.44	1.5	1.66	8.44	5.07	6.29	0.81	3.86	2.57	0.002359	18.44281
2.2	375.44	1.5	1.67	8.45	5.07	6.29	0.81	3.86	2.57	0.002351	18.37358
2.3	375.44	1.5	1.67	8.46	5.07	6.29	0.81	3.86	2.57	0.002351	18.38004
2.4	375.44	1.51	1.67	8.46	5.08	6.29	0.81	3.86	2.57	0.002356	18.42054
2.5	375.44	1.51	1.67	8.46	5.08	6.29	0.81	3.86	2.57	0.002343	18.32113

CHANNEL HYDROGRAPH FOR ELEMENT NO: 2363

MASSIMA PORTATA 11.38 AT TIME 0.88
MASSIMA QUOTA PELO LIBERO 375.56 AT TIME 0.84

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.93	0	0	0	0	0	0	0	0	0	0
0.1	373.93	0	0	0	0	0	0	0	0	0	0
0.2	373.93	0	0	0	0	0	0	0	0	0	0
0.3	373.93	0	0	0	0	0	0	0	0	0.009669	0
0.4	374.44	0.51	0.8	1.08	1.35	3.8	0.35	3.33	6.56	0.003845	13.22495
0.5	374.77	0.85	1.12	2.85	2.55	4.89	0.52	3.94	4.66	0.003927	19.87918
0.6	375.03	1.1	1.44	5.15	3.56	5.4	0.66	3.96	3.59	0.004561	29.16172
0.7	375.32	1.39	1.77	8.31	4.71	5.98	0.79	3.97	2.86	0.004175	31.8635
0.8	375.48	1.56	1.94	10.39	5.35	6.32	0.85	3.98	2.56	0.004383	36.02568
0.9	375.54	1.61	1.95	10.86	5.58	6.42	0.87	3.98	2.48	0.003745	31.58208
1	375.53	1.6	1.93	10.72	5.56	6.4	0.87	3.98	2.49	0.003418	28.79667
1.1	375.52	1.59	1.84	10.18	5.55	6.39	0.87	3.98	2.5	0.003251	27.36334
1.2	375.5	1.58	1.78	9.75	5.48	6.35	0.86	3.98	2.53	0.003341	27.94509
1.3	375.48	1.55	1.73	9.36	5.39	6.31	0.85	3.98	2.56	0.003094	25.64033
1.4	375.44	1.52	1.7	8.91	5.24	6.23	0.84	3.98	2.63	0.003068	24.98154
1.5	375.42	1.49	1.68	8.64	5.13	6.18	0.83	3.98	2.67	0.003152	25.36812
1.6	375.4	1.48	1.68	8.51	5.07	6.15	0.82	3.98	2.7	0.003212	25.65686
1.7	375.4	1.47	1.68	8.46	5.03	6.14	0.82	3.98	2.71	0.003243	25.79022
1.8	375.39	1.47	1.68	8.43	5.03	6.13	0.82	3.98	2.71	0.003237	25.7216
1.9	375.39	1.46	1.68	8.44	5.02	6.13	0.82	3.98	2.72	0.003275	25.98933
2	375.39	1.46	1.68	8.43	5.01	6.12	0.82	3.98	2.72	0.003295	26.12668
2.1	375.39	1.46	1.69	8.44	5.01	6.12	0.82	3.98	2.72	0.003296	26.13956
2.2	375.39	1.46	1.69	8.45	5.01	6.12	0.82	3.98	2.72	0.003288	26.07396
2.3	375.39	1.46	1.69	8.46	5.01	6.12	0.82	3.98	2.72	0.003296	26.13713
2.4	375.39	1.46	1.69	8.46	5.01	6.13	0.82	3.98	2.72	0.0033	26.17374
2.5	375.39	1.46	1.69	8.46	5.01	6.13	0.82	3.98	2.72	0.003287	26.07377

CHANNEL HYDROGRAPH FOR ELEMENT NO: 2448

MASSIMA PORTATA 11.31 AT TIME 0.88
MASSIMA QUOTA PELO LIBERO 375.52 AT TIME 0.84

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.86	0	0	0	0	0	0	0	0	0	0
0.1	373.86	0	0	0	0	0	0	0	0	0	0
0.2	373.86	0	0	0	0	0	0	0	0	0	0
0.3	373.86	0	0	0	0	0	0	0	0	0	0
0.4	374.35	0.5	0.7	1.03	1.48	3.75	0.39	3.19	6.43	0.003174	12.14256
0.5	374.71	0.85	1.06	2.82	2.66	5.01	0.53	4.03	4.73	0.00312	16.06015
0.6	374.96	1.11	1.4	5.12	3.65	5.53	0.66	4.08	3.69	0.003499	22.35455
0.7	375.25	1.39	1.73	8.28	4.78	6.1	0.78	4.1	2.95	0.003389	25.76393
0.8	375.41	1.55	1.89	10.25	5.43	9.12	0.6	4.1	2.65	0.003705	21.38161
0.9	375.47	1.61	1.91	10.83	5.68	9.12	0.62	4.1	2.55	0.003534	21.31059
1	375.47	1.61	1.89	10.74	5.68	9.12	0.62	4.1	2.55	0.002997	18.09404
1.1	375.46	1.61	1.81	10.26	5.68	9.12	0.62	4.1	2.55	0.00297	17.90881
1.2	375.45	1.59	1.76	9.89	5.61	9.12	0.62	4.1	2.58	0.003004	17.91055
1.3	375.43	1.57	1.72	9.5	5.52	9.12	0.61	4.1	2.61	0.002724	15.98185
1.4	375.39	1.53	1.7	9.1	5.35	9.12	0.59	4.1	2.68	0.002809	15.97946
1.5	375.36	1.5	1.68	8.8	5.24	9.12	0.57	4.1	2.73	0.002947	16.42048
1.6	375.35	1.49	1.67	8.63	5.18	9.12	0.57	4.1	2.76	0.002979	16.38974
1.7	375.34	1.48	1.66	8.55	5.14	9.12	0.56	4.1	2.77	0.003006	16.42372
1.8	375.33	1.48	1.66	8.52	5.13	9.12	0.56	4.1	2.78	0.003016	16.44976
1.9	375.33	1.47	1.66	8.52	5.12	9.12	0.56	4.1	2.78	0.003059	16.64665
2	375.33	1.47	1.66	8.51	5.12	9.12	0.56	4.1	2.79	0.003078	16.7294
2.1	375.33	1.47	1.67	8.52	5.11	9.12	0.56	4.1	2.79	0.003081	16.74181
2.2	375.33	1.47	1.67	8.52	5.11	9.12	0.56	4.1	2.79	0.003075	16.71213
2.3	375.33	1.47	1.67	8.53	5.12	9.12	0.56	4.1	2.78	0.003082	16.74843
2.4	375.33	1.47	1.67	8.54	5.12	9.12	0.56	4.1	2.78	0.003078	16.73399
2.5	375.33	1.47	1.67	8.54	5.12	9.12	0.56	4.1	2.78	0.003069	16.68482

CHANNEL HYDROGRAPH FOR ELEMENT NO: 2533

MASSIMA PORTATA 11.29 AT TIME 0.88
MASSIMA QUOTA PELO LIBERO 375.46 AT TIME 0.84

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.79	0	0	0	0	0	0	0	0	0	0
0.1	373.79	0	0	0	0	0	0	0	0	0	0
0.2	373.79	0	0	0	0	0	0	0	0	0	0
0.3	373.79	0	0	0	0	0	0	0	0	0	0
0.4	374.31	0.52	0.66	0.98	1.48	3.82	0.39	3.37	6.46	0.001948	7.33389
0.5	374.68	0.89	1.08	2.8	2.6	4.65	0.56	3.76	4.22	0.002028	10.98818
0.6	374.93	1.14	1.44	5.1	3.55	5.21	0.68	4.02	3.53	0.002185	14.40423
0.7	375.2	1.41	1.77	8.22	4.64	8.13	0.57	4.18	2.96	0.002421	13.39382
0.8	375.36	1.57	1.92	10.22	5.32	8.13	0.65	4.18	2.66	0.00238	15.07656
0.9	375.42	1.63	1.95	10.83	5.57	8.13	0.68	4.18	2.56	0.002298	15.2468
1	375.42	1.63	1.93	10.8	5.59	8.13	0.69	4.18	2.56	0.001804	12.0229
1.1	375.42	1.63	1.86	10.37	5.58	8.13	0.69	4.18	2.56	0.002285	15.20025
1.2	375.41	1.62	1.82	10.03	5.52	8.13	0.68	4.18	2.58	0.002347	15.42448
1.3	375.38	1.6	1.79	9.68	5.42	8.13	0.67	4.18	2.62	0.002146	13.857
1.4	375.34	1.55	1.78	9.29	5.23	8.13	0.64	4.18	2.69	0.002283	14.23283
1.5	375.31	1.53	1.75	8.95	5.12	8.13	0.63	4.18	2.74	0.002356	14.36538
1.6	375.3	1.51	1.73	8.75	5.05	8.13	0.62	4.18	2.77	0.002347	14.12425
1.7	375.29	1.5	1.73	8.66	5.02	8.13	0.62	4.18	2.78	0.002325	13.8992
1.8	375.29	1.5	1.72	8.62	5.01	8.13	0.62	4.18	2.78	0.002347	14.01477
1.9	375.29	1.5	1.72	8.61	5	8.13	0.61	4.18	2.79	0.002381	14.17646
2	375.28	1.5	1.72	8.6	4.99	8.13	0.61	4.18	2.79	0.002399	14.26317
2.1	375.28	1.5	1.73	8.61	4.99	8.13	0.61	4.18	2.79	0.002395	14.23771
2.2	375.28	1.5	1.73	8.61	4.99	8.13	0.61	4.18	2.79	0.002389	14.20082
2.3	375.28	1.5	1.73	8.61	4.99	8.13	0.61	4.18	2.79	0.0024	14.26556
2.4	375.28	1.5	1.73	8.62	4.99	8.13	0.61	4.18	2.79	0.002387	14.19339
2.5	375.28	1.5	1.73	8.62	4.99	8.13	0.61	4.18	2.79	0.002373	14.11206

CHANNEL HYDROGRAPH FOR ELEMENT NO: 2619

MASSIMA PORTATA 11.27 AT TIME 0.88
MASSIMA QUOTA PELO LIBERO 375.41 AT TIME 0.84

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	373.78	0	0	0	0	0	0	0	0	0	0
0.1	373.78	0	0	0	0	0	0	0	0	0	0
0.2	373.78	0	0	0	0	0	0	0	0	0	0
0.3	373.78	0	0	0	0	0	0	0	0	0	0
0.4	374.27	0.49	0.67	0.93	1.38	3.61	0.38	3.24	6.59	0.002203	8.19494
0.5	374.64	0.86	1.13	2.77	2.44	4.5	0.54	3.72	4.3	0.002401	12.62395
0.6	374.89	1.11	1.51	5.07	3.36	5.09	0.66	4.03	3.64	0.002453	15.70987
0.7	375.14	1.37	1.86	8.14	4.39	8.19	0.54	4.29	3.14	0.002889	15.00175
0.8	375.31	1.53	2	10.18	5.08	8.19	0.62	4.29	2.81	0.002566	15.4426
0.9	375.37	1.59	2.02	10.83	5.36	8.19	0.65	4.29	2.7	0.002277	14.45104
1	375.38	1.6	2.01	10.85	5.4	8.19	0.66	4.29	2.68	0.002028	12.95409
1.1	375.37	1.6	1.94	10.46	5.39	8.19	0.66	4.29	2.69	0.002271	14.48555
1.2	375.36	1.58	1.9	10.13	5.32	8.19	0.65	4.29	2.72	0.002336	14.70947
1.3	375.33	1.56	1.88	9.8	5.21	8.19	0.64	4.29	2.76	0.002356	14.5224
1.4	375.29	1.51	1.88	9.41	5	8.19	0.61	4.29	2.84	0.002546	15.05159
1.5	375.26	1.48	1.85	9.05	4.88	8.19	0.6	4.29	2.9	0.002644	15.26817
1.6	375.24	1.47	1.84	8.83	4.81	8.19	0.59	4.29	2.93	0.002715	15.45903
1.7	375.24	1.46	1.83	8.73	4.78	8.19	0.58	4.29	2.94	0.002701	15.27242
1.8	375.24	1.46	1.82	8.68	4.78	8.19	0.58	4.29	2.94	0.002744	15.51173
1.9	375.23	1.45	1.82	8.67	4.76	8.19	0.58	4.29	2.95	0.002769	15.5869
2	375.23	1.45	1.82	8.66	4.75	8.19	0.58	4.29	2.96	0.002787	15.66293
2.1	375.23	1.45	1.82	8.67	4.75	8.19	0.58	4.29	2.96	0.002783	15.64106
2.2	375.23	1.45	1.83	8.67	4.75	8.19	0.58	4.29	2.96	0.002775	15.59604
2.3	375.23	1.45	1.83	8.67	4.75	8.19	0.58	4.29	2.96	0.002792	15.69443
2.4	375.23	1.45	1.83	8.68	4.75	8.19	0.58	4.29	2.95	0.002769	15.56477
2.5	375.23	1.45	1.83	8.68	4.75	8.19	0.58	4.29	2.95	0.002758	15.50798

CHANNEL HYDROGRAPH FOR ELEMENT NO: 2705

MASSIMA PORTATA 11.25 AT TIME 0.88
MASSIMA QUOTA PELO LIBERO 375.37 AT TIME 1.03

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.77	0	0	0	0	0	0	0	0	0	0
0.1	373.77	0	0	0	0	0	0	0	0	0	0
0.2	373.77	0	0	0	0	0	0	0	0	0	0
0.3	373.77	0	0	0	0	0	0	0	0	0	0
0.4	374.22	0.45	0.68	0.88	1.3	3.61	0.36	3.25	7.19	0.002768	9.62517
0.5	374.59	0.83	1.2	2.74	2.28	4.5	0.51	3.72	4.5	0.002835	13.91801
0.6	374.83	1.06	1.6	5.05	3.15	5.06	0.62	4.01	3.78	0.002616	15.7969
0.7	375.07	1.3	1.98	8.09	4.08	8.14	0.5	4.28	3.3	0.002861	13.90003
0.8	375.23	1.47	2.14	10.16	4.75	8.14	0.58	4.28	2.92	0.002625	14.86573
0.9	375.3	1.53	2.13	10.82	5.07	8.14	0.62	4.28	2.79	0.00243	14.68848
1	375.31	1.54	2.12	10.86	5.12	8.14	0.63	4.28	2.78	0.002615	15.95316
1.1	375.31	1.54	2.06	10.55	5.13	8.14	0.63	4.28	2.78	0.002402	14.67351
1.2	375.29	1.53	2.05	10.33	5.04	8.14	0.62	4.28	2.81	0.002675	16.0712
1.3	375.27	1.5	2.04	10	4.91	8.14	0.6	4.28	2.86	0.002655	15.53961
1.4	375.21	1.45	2.05	9.55	4.66	8.14	0.57	4.28	2.96	0.002819	15.64582
1.5	375.19	1.42	2.01	9.13	4.54	8.14	0.56	4.28	3.02	0.002948	15.95556
1.6	375.17	1.4	1.99	8.89	4.48	8.14	0.55	4.28	3.06	0.003016	16.0862
1.7	375.16	1.39	1.97	8.76	4.45	8.14	0.55	4.28	3.07	0.003077	16.31076
1.8	375.16	1.39	1.95	8.7	4.45	8.14	0.55	4.28	3.07	0.003096	16.43215
1.9	375.16	1.39	1.96	8.69	4.43	8.14	0.54	4.28	3.08	0.003078	16.23626
2	375.16	1.39	1.96	8.67	4.42	8.14	0.54	4.28	3.09	0.003089	16.26276
2.1	375.16	1.39	1.96	8.68	4.42	8.14	0.54	4.28	3.09	0.003078	16.20338
2.2	375.16	1.39	1.96	8.68	4.42	8.14	0.54	4.28	3.09	0.003075	16.18025
2.3	375.16	1.39	1.97	8.68	4.42	8.14	0.54	4.28	3.09	0.003081	16.21628
2.4	375.16	1.39	1.97	8.69	4.42	8.14	0.54	4.28	3.09	0.003066	16.13935
2.5	375.16	1.39	1.97	8.69	4.42	8.14	0.54	4.28	3.09	0.003044	16.02274

CHANNEL HYDROGRAPH FOR ELEMENT NO: 2791

MASSIMA PORTATA 11.23 AT TIME 0.88
MASSIMA QUOTA PELO LIBERO 375.28 AT TIME 1.03

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.76	0	0	0	0	0	0	0	0	0	0
0.1	373.76	0	0	0	0	0	0	0	0	0	0
0.2	373.76	0	0	0	0	0	0	0	0	0	0
0.3	373.76	0	0	0	0	0	0	0	0	0	0
0.4	374.17	0.41	0.72	0.83	1.16	3.3	0.35	2.98	7.3	0.004335	14.71745

0.5	374.53	0.78	1.33	2.72	2.04	4.32	0.47	3.61	4.66	0.004845	22.20734
0.6	374.76	1	1.78	5.03	2.83	4.87	0.58	3.91	3.9	0.005157	29.06338
0.7	374.98	1.22	2.22	8.07	3.63	5.39	0.67	4.19	3.44	0.006403	41.7836
0.8	375.13	1.37	2.42	10.15	4.2	8.14	0.52	4.29	3.12	0.006002	30.03012
0.9	375.21	1.46	2.37	10.82	4.57	8.14	0.56	4.29	2.94	0.005811	31.60974
1	375.23	1.47	2.33	10.86	4.66	8.14	0.57	4.29	2.92	0.005642	31.28545
1.1	375.23	1.47	2.24	10.56	4.7	8.14	0.58	4.29	2.91	0.005869	32.86797
1.2	375.21	1.45	2.26	10.36	4.58	8.14	0.56	4.29	2.96	0.00566	30.83466
1.3	375.17	1.42	2.27	10.04	4.43	8.14	0.54	4.29	3.03	0.006266	33.03498
1.4	375.11	1.35	2.33	9.57	4.12	8.14	0.51	4.29	3.17	0.006445	31.58636
1.5	375.08	1.32	2.29	9.15	4	8.14	0.49	4.29	3.24	0.00629	29.97765
1.6	375.07	1.31	2.26	8.9	3.94	8.14	0.48	4.29	3.27	0.006299	29.55562
1.7	375.06	1.3	2.23	8.77	3.93	8.14	0.48	4.29	3.29	0.006311	29.54771
1.8	375.06	1.31	2.2	8.7	3.96	8.14	0.49	4.29	3.28	0.006425	30.26177
1.9	375.06	1.3	2.23	8.69	3.91	8.14	0.48	4.29	3.3	0.00644	29.94986
2	375.05	1.3	2.23	8.68	3.89	8.14	0.48	4.29	3.31	0.006452	29.91327
2.1	375.05	1.3	2.23	8.68	3.89	8.14	0.48	4.29	3.31	0.006443	29.85314
2.2	375.05	1.3	2.23	8.68	3.89	8.14	0.48	4.29	3.31	0.006447	29.85731
2.3	375.05	1.3	2.23	8.68	3.89	8.14	0.48	4.29	3.31	0.006462	29.92358
2.4	375.05	1.3	2.23	8.69	3.89	8.14	0.48	4.29	3.31	0.006449	29.87362
2.5	375.05	1.3	2.23	8.69	3.89	8.14	0.48	4.29	3.31	0.006445	29.85145

CHANNEL HYDROGRAPH FOR ELEMENT NO: 2877

MASSIMA PORTATA 11.35 AT TIME 0.91
MASSIMA QUOTA PELO LIBERO 375.22 AT TIME 1.03

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.75	0	0	0	0	0	0	0	0	0	0
0.1	373.75	0	0	0	0	0	0	0	0	0	0
0.2	373.75	0	0	0	0	0	0	0	0	0	0
0.3	373.75	0	0	0	0	0	0	0	0	0	0
0.4	374.09	0.34	0.65	0.78	1.2	3.24	0.37	2.99	8.85	0.005445	19.50903
0.5	374.44	0.69	1.29	2.69	2.09	4.09	0.51	3.46	5.04	0.006643	32.95518
0.6	374.64	0.89	1.76	5	2.85	4.59	0.62	3.74	4.19	0.007864	47.24143
0.7	374.83	1.08	2.24	8.05	3.59	5.05	0.71	4	3.69	0.009924	68.32259
0.8	374.95	1.21	2.48	10.14	4.08	5.36	0.76	4.17	3.45	0.011252	83.09096
0.9	375.05	1.3	2.42	10.83	4.48	8.05	0.56	4.25	3.28	0.01018	54.91232
1	375.07	1.33	2.32	10.86	4.68	8.05	0.58	4.25	3.21	0.009059	51.04025
1.1	375.09	1.35	2.21	10.59	4.78	8.05	0.59	4.25	3.16	0.010052	57.88444
1.2	375.06	1.31	2.25	10.39	4.61	8.05	0.57	4.25	3.25	0.008364	46.43964
1.3	375.02	1.27	2.27	10.07	4.45	8.05	0.55	4.25	3.34	0.009717	51.99417
1.4	374.94	1.19	2.36	9.58	4.05	5.32	0.76	4.14	3.48	0.009418	69.58191
1.5	374.91	1.16	2.34	9.16	3.92	5.25	0.75	4.11	3.53	0.009564	69.1538
1.6	374.9	1.15	2.32	8.9	3.84	5.22	0.74	4.09	3.56	0.00956	68.28527
1.7	374.9	1.15	2.26	8.76	3.87	5.22	0.74	4.09	3.56	0.008479	60.99969
1.8	374.91	1.16	2.2	8.71	3.95	5.24	0.75	4.1	3.54	0.009216	67.38884
1.9	374.89	1.14	2.25	8.69	3.86	5.2	0.74	4.08	3.57	0.00931	67.01379
2	374.89	1.14	2.26	8.68	3.85	5.19	0.74	4.07	3.58	0.009329	66.96231
2.1	374.89	1.14	2.26	8.68	3.84	5.19	0.74	4.07	3.58	0.009338	66.97016
2.2	374.88	1.14	2.26	8.68	3.84	5.19	0.74	4.07	3.58	0.009346	66.98439
2.3	374.88	1.14	2.26	8.68	3.84	5.19	0.74	4.07	3.58	0.009375	67.16999
2.4	374.88	1.14	2.27	8.69	3.84	5.19	0.74	4.07	3.58	0.009364	67.09325
2.5	374.88	1.14	2.27	8.69	3.83	5.19	0.74	4.07	3.58	0.009402	67.35898

CHANNEL HYDROGRAPH FOR ELEMENT NO: 2963

MASSIMA PORTATA 11.62 AT TIME 1.03
MASSIMA QUOTA PELO LIBERO 375.09 AT TIME 1.02

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.73	0	0	0	0	0	0	0	0	0	0
0.1	373.73	0	0	0	0	0	0	0	0	0	0
0.2	373.73	0	0	0	0	0	0	0	0	0	0
0.3	373.73	0	0	0	0	0	0	0	0	0	0
0.4	374	0.28	0.53	0.72	1.35	3.86	0.35	3.55	12.87	0.004392	14.89417
0.5	374.35	0.62	1.16	2.66	2.31	4.71	0.49	4	6.46	0.005347	25.37673
0.6	374.54	0.81	1.6	4.98	3.11	5.18	0.6	4.25	5.25	0.006394	37.28949
0.7	374.71	0.99	2.05	8.03	3.92	5.61	0.7	4.48	4.55	0.007541	51.14947
0.8	374.82	1.09	2.27	10.13	4.46	5.87	0.76	4.63	4.23	0.008639	63.51985
0.9	374.91	1.18	2.2	10.83	4.93	6.1	0.81	4.74	4	0.007574	59.42471
1	374.97	1.24	2.08	10.81	5.2	6.24	0.83	4.82	3.88	0.007034	56.7893

1.1	375	1.27	1.99	10.58	5.33	6.31	0.85	4.86	3.82	0.007722	63.28801
1.2	374.96	1.23	2.03	10.41	5.14	6.21	0.83	4.8	3.9	0.006635	53.21851
1.3	374.92	1.19	2.04	10.11	4.95	6.12	0.81	4.76	3.99	0.007485	58.70389
1.4	374.83	1.1	2.14	9.61	4.5	5.88	0.76	4.63	4.22	0.00686	50.81562
1.5	374.79	1.06	2.13	9.17	4.32	5.8	0.74	4.59	4.31	0.007394	53.3346
1.6	374.77	1.04	2.12	8.91	4.21	5.75	0.73	4.56	4.37	0.007414	52.64859
1.7	374.79	1.06	2.06	8.76	4.26	5.78	0.74	4.58	4.33	0.006904	49.27181
1.8	374.81	1.08	2	8.71	4.36	5.85	0.75	4.61	4.26	0.006229	45.06143
1.9	374.79	1.06	2.01	8.69	4.33	5.79	0.75	4.58	4.32	0.006403	46.44059
2	374.78	1.05	2.02	8.68	4.3	5.77	0.74	4.57	4.34	0.006429	46.40955
2.1	374.78	1.05	2.02	8.68	4.29	5.77	0.74	4.57	4.34	0.006454	46.51969
2.2	374.78	1.05	2.03	8.68	4.28	5.77	0.74	4.57	4.35	0.006471	46.594
2.3	374.78	1.05	2.03	8.68	4.28	5.77	0.74	4.57	4.35	0.006489	46.6986
2.4	374.78	1.05	2.03	8.69	4.28	5.77	0.74	4.57	4.35	0.006502	46.7908
2.5	374.78	1.05	2.03	8.69	4.28	5.77	0.74	4.57	4.35	0.006561	47.19833

CHANNEL HYDROGRAPH FOR ELEMENT NO: 3050

MASSIMA PORTATA 12.12 AT TIME 1.04
MASSIMA QUOTA PELO LIBERO 375.09 AT TIME 1.04

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.72	0	0	0	0	0	0	0	0	0	0
0.1	373.72	0	0	0	0	0	0	0	0	0	0
0.2	373.72	0	0	0	0	0	0	0	0	0	0
0.3	373.72	0	0	0	0	0	0	0	0	0	0
0.4	373.95	0.23	0.47	0.66	1.4	4.27	0.33	4.01	17.18	0.003763	11.94443
0.5	374.29	0.57	1.11	2.64	2.39	5.12	0.47	4.47	7.82	0.004441	20.05266
0.6	374.48	0.76	1.52	4.95	3.26	5.59	0.58	4.73	6.23	0.005193	29.33849
0.7	374.65	0.94	1.92	8	4.18	6.04	0.69	4.97	5.31	0.005616	37.62364
0.8	374.77	1.05	2.09	10.11	4.83	6.33	0.76	5.13	4.87	0.004393	32.46494
0.9	374.88	1.16	2.03	10.83	5.34	6.6	0.81	5.27	4.56	0.005476	42.92278
1	374.92	1.21	1.91	10.79	5.64	6.72	0.84	5.34	4.43	0.004837	39.34766
1.1	374.95	1.23	1.83	10.56	5.78	6.78	0.85	5.37	4.36	0.003836	31.70526
1.2	374.91	1.19	1.86	10.4	5.58	6.69	0.83	5.32	4.46	0.00497	40.20862
1.3	374.88	1.16	1.89	10.13	5.36	6.6	0.81	5.27	4.56	0.00498	39.19963
1.4	374.79	1.07	1.95	9.62	4.93	6.37	0.77	5.15	4.83	0.004764	35.70428
1.5	374.75	1.03	1.96	9.19	4.7	6.27	0.75	5.1	4.96	0.005228	37.97372
1.6	374.72	1	1.95	8.92	4.56	6.21	0.73	5.06	5.04	0.005331	37.9541
1.7	374.73	1.01	1.91	8.76	4.59	6.23	0.74	5.07	5.01	0.005952	42.52054
1.8	374.75	1.03	1.87	8.71	4.65	6.27	0.74	5.1	4.95	0.004655	33.44698
1.9	374.76	1.04	1.86	8.7	4.68	6.29	0.74	5.11	4.93	0.004896	35.26236
2	374.75	1.03	1.87	8.68	4.63	6.28	0.74	5.1	4.95	0.00493	35.28425
2.1	374.75	1.03	1.88	8.68	4.62	6.27	0.74	5.1	4.96	0.004971	35.50112
2.2	374.74	1.03	1.88	8.68	4.61	6.27	0.74	5.09	4.96	0.004989	35.57293
2.3	374.74	1.03	1.89	8.68	4.61	6.27	0.74	5.09	4.97	0.004999	35.62075
2.4	374.74	1.03	1.89	8.69	4.6	6.26	0.73	5.09	4.97	0.005022	35.77468
2.5	374.74	1.02	1.89	8.69	4.6	6.26	0.73	5.09	4.97	0.005107	36.35622

CHANNEL HYDROGRAPH FOR ELEMENT NO: 3137

MASSIMA PORTATA 12.29 AT TIME 0.98
MASSIMA QUOTA PELO LIBERO 375 AT TIME 1.03

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.7	0	0	0	0	0	0	0	0	0	0
0.1	373.7	0	0	0	0	0	0	0	0	0	0
0.2	373.7	0	0	0	0	0	0	0	0	0	0
0.3	373.7	0	0	0	0	0	0	0	0	0	0
0.4	373.9	0.2	0.42	0.6	1.41	4.68	0.3	4.46	22.55	0.004224	12.3839
0.5	374.23	0.53	1.06	2.61	2.46	5.51	0.45	4.91	9.31	0.004399	19.05785
0.6	374.41	0.71	1.41	4.93	3.48	5.97	0.58	5.16	7.27	0.004427	25.02785
0.7	374.59	0.89	1.74	7.98	4.59	6.44	0.71	5.42	6.06	0.003825	26.41835
0.8	374.73	1.03	1.86	10.09	5.44	6.78	0.8	5.6	5.44	0.003958	30.75857
0.9	374.81	1.11	1.82	10.84	5.95	7	0.85	5.72	5.14	0.004003	32.99208
1	374.88	1.18	1.72	10.78	6.28	7.16	0.88	5.81	4.93	0.003467	29.48452
1.1	374.9	1.2	1.64	10.57	6.45	7.22	0.89	5.84	4.86	0.003314	28.70124
1.2	374.86	1.17	1.67	10.42	6.23	7.13	0.87	5.79	4.97	0.003025	25.63478
1.3	374.82	1.12	1.7	10.14	5.97	7.02	0.85	5.73	5.11	0.002918	24.07271
1.4	374.75	1.05	1.72	9.62	5.59	6.84	0.82	5.64	5.36	0.002931	23.21014
1.5	374.71	1.01	1.73	9.2	5.31	6.73	0.79	5.57	5.54	0.003409	26.0893
1.6	374.68	0.98	1.74	8.92	5.13	6.66	0.77	5.54	5.65	0.003575	26.73692

1.7	374.68	0.98	1.7	8.75	5.14	6.67	0.77	5.54	5.63	0.003614	27.01746
1.8	374.69	0.99	1.69	8.71	5.16	6.68	0.77	5.55	5.61	0.004677	35.0136
1.9	374.69	0.99	1.71	8.7	5.08	6.68	0.76	5.55	5.6	0.004878	35.96367
2	374.68	0.98	1.73	8.68	5.02	6.66	0.75	5.54	5.64	0.004908	35.88124
2.1	374.68	0.98	1.74	8.68	5	6.65	0.75	5.53	5.66	0.004953	36.09782
2.2	374.67	0.98	1.74	8.68	4.99	6.65	0.75	5.53	5.67	0.004968	36.13406
2.3	374.67	0.98	1.74	8.68	4.98	6.65	0.75	5.53	5.67	0.004974	36.13689
2.4	374.67	0.97	1.75	8.69	4.98	6.64	0.75	5.53	5.67	0.004984	36.19303
2.5	374.67	0.97	1.75	8.69	4.97	6.64	0.75	5.53	5.68	0.005075	36.8171

CHANNEL HYDROGRAPH FOR ELEMENT NO: 3224

MASSIMA PORTATA 12.42 AT TIME 0.83
MASSIMA QUOTA PELO LIBERO 374.96 AT TIME 1.04

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.69	0	0	0	0	0	0	0	0	0	0
0.1	373.69	0	0	0	0	0	0	0	0	0	0
0.2	373.69	0	0	0	0	0	0	0	0	0	0
0.3	373.69	0	0	0	0	0	0	0	0	0	0
0.4	373.84	0.15	0.43	0.54	1.26	5.79	0.22	5.66	37.07	0.005489	11.5941
0.5	374.15	0.46	1.15	2.58	2.23	6.46	0.35	5.9	12.71	0.004801	16.08881
0.6	374.35	0.66	1.5	4.9	3.27	6.88	0.48	6.05	9.2	0.003797	17.48479
0.7	374.55	0.86	1.8	7.94	4.41	7.31	0.6	6.21	7.22	0.002469	14.42939
0.8	374.7	1.02	1.88	10.08	5.35	7.65	0.7	6.33	6.22	0.002267	15.35959
0.9	374.79	1.1	1.84	10.84	5.87	7.84	0.75	6.39	5.8	0.001517	11.02162
1	374.84	1.15	1.75	10.77	6.16	7.94	0.78	6.43	5.58	0.00263	19.76465
1.1	374.87	1.18	1.67	10.59	6.34	8	0.79	6.45	5.47	0.001562	12.0007
1.2	374.83	1.14	1.7	10.41	6.14	7.93	0.77	6.43	5.61	0.000442	3.31793
1.3	374.79	1.1	1.73	10.16	5.89	7.84	0.75	6.39	5.8	0.001544	11.25015
1.4	374.73	1.04	1.73	9.62	5.55	7.71	0.72	6.35	6.08	0.001617	11.28286
1.5	374.69	1	1.75	9.21	5.26	7.61	0.69	6.31	6.33	0.00217	14.53644
1.6	374.65	0.97	1.76	8.92	5.06	7.54	0.67	6.29	6.51	0.002342	15.23353
1.7	374.65	0.96	1.73	8.75	5.06	7.54	0.67	6.29	6.52	0.00223	14.50721
1.8	374.65	0.97	1.72	8.71	5.06	7.54	0.67	6.29	6.51	0.003002	19.52388
1.9	374.63	0.94	1.77	8.71	4.91	7.48	0.66	6.27	6.67	0.003311	21.07397
2	374.62	0.93	1.79	8.68	4.84	7.46	0.65	6.26	6.74	0.003332	20.96497
2.1	374.61	0.92	1.8	8.68	4.82	7.45	0.65	6.26	6.77	0.003358	21.03808
2.2	374.61	0.92	1.81	8.68	4.8	7.44	0.64	6.25	6.79	0.003368	21.03891
2.3	374.61	0.92	1.81	8.68	4.79	7.44	0.64	6.25	6.8	0.003369	21.00774
2.4	374.61	0.92	1.82	8.69	4.78	7.44	0.64	6.25	6.8	0.003374	21.02951
2.5	374.61	0.92	1.82	8.7	4.77	7.44	0.64	6.25	6.81	0.003406	21.1942

CHANNEL HYDROGRAPH FOR ELEMENT NO: 3312

MASSIMA PORTATA 12.12 AT TIME 0.93
MASSIMA QUOTA PELO LIBERO 374.96 AT TIME 1.01

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.56	0	0	0	0	0	0	0	0	0	0
0.1	373.56	0	0	0	0	0	0	0	0	0	0
0.2	373.56	0	0	0	0	0	0	0	0	0	0
0.3	373.56	0	0	0	0	0	0	0	0	0	0
0.4	373.71	0.15	0.46	0.49	1.08	4.49	0.24	4.43	29.23	0.008384	19.56884
0.5	374.04	0.48	1.32	2.55	1.93	5.2	0.37	4.68	9.74	0.008034	28.89752
0.6	374.24	0.68	1.7	4.87	2.87	5.62	0.51	4.84	7.13	0.007539	37.24208
0.7	374.45	0.89	2	7.92	3.96	6.08	0.65	5	5.6	0.00647	40.77565
0.8	374.63	1.07	2.02	10.05	4.98	6.47	0.77	5.14	4.79	0.003397	25.32917
0.9	374.73	1.17	1.96	10.84	5.54	6.68	0.83	5.21	4.45	0.004654	37.38327
1	374.78	1.22	1.86	10.78	5.8	6.79	0.85	5.25	4.3	0.00402	33.29672
1.1	374.81	1.26	1.77	10.6	5.98	6.86	0.87	5.28	4.2	0.002689	22.70653
1.2	374.78	1.22	1.79	10.41	5.82	6.79	0.86	5.25	4.3	0.004252	35.29752
1.3	374.74	1.18	1.82	10.18	5.59	6.7	0.83	5.22	4.43	0.004359	35.27095
1.4	374.68	1.12	1.83	9.63	5.27	6.57	0.8	5.17	4.63	0.004432	34.48691
1.5	374.62	1.06	1.85	9.21	4.97	6.45	0.77	5.13	4.83	0.005165	38.56602
1.6	374.58	1.03	1.88	8.93	4.75	6.37	0.75	5.1	4.98	0.005485	39.65636
1.7	374.58	1.03	1.84	8.75	4.75	6.37	0.75	5.1	4.97	0.0053	38.27095
1.8	374.58	1.03	1.84	8.72	4.75	6.37	0.74	5.1	4.97	0.004793	34.60845
1.9	374.56	1	1.89	8.72	4.61	6.31	0.73	5.08	5.08	0.005611	39.72869
2	374.54	0.99	1.92	8.68	4.52	6.28	0.72	5.07	5.15	0.005743	40.01263
2.1	374.54	0.98	1.94	8.68	4.48	6.27	0.71	5.07	5.17	0.005835	40.40126
2.2	374.53	0.98	1.95	8.68	4.45	6.26	0.71	5.06	5.19	0.005896	40.64913

2.3	374.53	0.97	1.96	8.68	4.44	6.26	0.71	5.06	5.2	0.005926	40.7504
2.4	374.53	0.97	1.96	8.69	4.43	6.26	0.71	5.06	5.2	0.005944	40.83205
2.5	374.53	0.97	1.97	8.7	4.42	6.25	0.71	5.06	5.21	0.006218	42.59455

CHANNEL HYDROGRAPH FOR ELEMENT NO: 3400

MASSIMA PORTATA 12.18 AT TIME 0.83
MASSIMA QUOTA PELO LIBERO 374.84 AT TIME 1.05

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.42	0	0	0	0	0	0	0	0	0	0
0.1	373.42	0	0	0	0	0	0	0	0	0	0
0.2	373.42	0	0	0	0	0	0	0	0	0	0
0.3	373.42	0	0	0	0	0	0	0	0	0	0
0.4	373.55	0.14	0.42	0.45	1.07	4.02	0.27	3.96	29.13	0.009719	24.99771
0.5	373.89	0.47	1.31	2.52	1.92	5.18	0.37	4.69	9.99	0.009614	34.5261
0.6	374.09	0.67	1.67	4.84	2.91	5.62	0.52	4.86	7.24	0.009472	47.515
0.7	374.32	0.9	1.91	7.88	4.14	6.11	0.68	5.04	5.61	0.007245	47.50363
0.8	374.54	1.12	1.86	10.03	5.39	6.6	0.82	5.23	4.65	0.004708	37.29018
0.9	374.66	1.24	1.81	10.84	6	6.85	0.88	5.32	4.3	0.005154	43.81173
1	374.71	1.29	1.73	10.77	6.24	9.5	0.66	5.36	4.15	0.005688	36.2127
1.1	374.74	1.32	1.66	10.6	6.4	9.5	0.67	5.36	4.05	0.003889	25.41331
1.2	374.71	1.29	1.66	10.41	6.28	9.5	0.66	5.36	4.14	0.00583	37.35188
1.3	374.67	1.25	1.68	10.19	6.07	6.88	0.88	5.33	4.26	0.004639	39.67543
1.4	374.61	1.19	1.67	9.63	5.76	6.75	0.85	5.28	4.43	0.004783	39.59382
1.5	374.55	1.13	1.69	9.22	5.45	6.61	0.82	5.23	4.63	0.005082	40.61758
1.6	374.5	1.08	1.72	8.93	5.2	6.51	0.8	5.19	4.79	0.005486	42.47976
1.7	374.5	1.08	1.7	8.75	5.16	6.51	0.79	5.19	4.8	0.005185	39.84122
1.8	374.5	1.08	1.7	8.72	5.12	6.51	0.79	5.19	4.8	0.005416	41.29306
1.9	374.47	1.06	1.73	8.72	5.03	6.45	0.78	5.17	4.9	0.00575	43.49043
2	374.45	1.03	1.77	8.68	4.91	6.4	0.77	5.15	4.99	0.005987	44.55371
2.1	374.44	1.02	1.79	8.68	4.86	6.38	0.76	5.15	5.03	0.006141	45.35151
2.2	374.44	1.02	1.8	8.68	4.83	6.37	0.76	5.14	5.05	0.006258	45.98161
2.3	374.43	1.01	1.81	8.69	4.8	6.36	0.76	5.14	5.07	0.006319	46.27383
2.4	374.43	1.01	1.81	8.69	4.8	6.36	0.75	5.14	5.07	0.006347	46.42399
2.5	374.43	1.01	1.82	8.7	4.77	6.35	0.75	5.13	5.09	0.007108	51.77592

CHANNEL HYDROGRAPH FOR ELEMENT NO: 3488

MASSIMA PORTATA 12.03 AT TIME 0.84
MASSIMA QUOTA PELO LIBERO 374.79 AT TIME 1.05

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.27	0	0	0	0	0	0	0	0	0	0
0.1	373.27	0	0	0	0	0	0	0	0	0	0
0.2	373.27	0	0	0	0	0	0	0	0	0	0
0.3	373.27	0	0	0	0	0	0	0	0	0	0
0.4	373.4	0.13	0.38	0.4	1.05	3.41	0.31	3.32	25.97	0.0095	28.3735
0.5	373.76	0.49	1.24	2.49	2.01	5.12	0.39	4.62	9.39	0.007838	29.90161
0.6	373.98	0.71	1.53	4.82	3.14	5.6	0.56	4.82	6.76	0.007152	38.89711
0.7	374.25	0.98	1.71	7.84	4.58	6.19	0.74	5.06	5.14	0.003904	27.98174
0.8	374.52	1.25	1.66	10	6.02	6.78	0.89	5.3	4.24	0.003261	28.07439
0.9	374.63	1.37	1.63	10.83	6.63	9.53	0.7	5.35	3.92	0.002977	20.07755
1	374.67	1.4	1.58	10.74	6.79	9.53	0.71	5.35	3.82	0.006362	43.95612
1.1	374.7	1.43	1.52	10.57	6.95	9.53	0.73	5.35	3.74	0.002682	18.9521
1.2	374.68	1.41	1.52	10.41	6.86	9.53	0.72	5.35	3.79	0.00316	22.06354
1.3	374.64	1.38	1.53	10.2	6.68	9.53	0.7	5.35	3.89	0.002706	18.38059
1.4	374.59	1.32	1.51	9.64	6.39	9.53	0.67	5.35	4.05	0.002701	17.55908
1.5	374.53	1.27	1.51	9.23	6.11	6.81	0.9	5.31	4.19	0.00259	22.53159
1.6	374.49	1.22	1.53	8.94	5.85	6.7	0.87	5.27	4.33	0.002884	24.38703
1.7	374.47	1.2	1.52	8.74	5.74	6.67	0.86	5.26	4.37	0.003567	29.74588
1.8	374.46	1.19	1.54	8.72	5.65	6.64	0.85	5.24	4.41	0.003419	28.21253
1.9	374.45	1.18	1.56	8.73	5.59	6.62	0.84	5.24	4.43	0.003744	30.61443
2	374.43	1.16	1.59	8.69	5.46	6.57	0.83	5.22	4.5	0.003942	31.74508
2.1	374.42	1.15	1.61	8.68	5.4	6.55	0.82	5.21	4.54	0.004072	32.53566
2.2	374.41	1.14	1.62	8.68	5.36	6.53	0.82	5.2	4.56	0.004173	33.15637
2.3	374.4	1.13	1.63	8.69	5.33	6.52	0.82	5.19	4.58	0.004222	33.43069
2.4	374.4	1.13	1.63	8.69	5.32	6.52	0.82	5.19	4.58	0.004248	33.59141
2.5	374.4	1.13	1.64	8.7	5.3	6.51	0.81	5.19	4.6	0.003898	30.77657

CHANNEL HYDROGRAPH FOR ELEMENT NO: 3576

MASSIMA PORTATA 12.04 AT TIME 0.84
MASSIMA QUOTA PELO LIBERO 374.72 AT TIME 1.04

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	373.12	0	0	0	0	0	0	0	0	0	0
0.1	373.12	0	0	0	0	0	0	0	0	0	0
0.2	373.12	0	0	0	0	0	0	0	0	0	0
0.3	373.12	0	0	0	0	0	0	0	0	0	0
0.4	373.23	0.11	0.3	0.34	1.11	3.3	0.34	3.23	28.95	0.007135	23.26343
0.5	373.65	0.53	1.01	2.45	2.42	5.19	0.47	4.63	8.7	0.004759	21.52558
0.6	373.91	0.79	1.28	4.78	3.74	5.76	0.65	4.88	6.15	0.004129	25.99104
0.7	374.22	1.1	1.44	7.78	5.39	6.46	0.83	5.17	4.69	0.002292	18.54551
0.8	374.51	1.39	1.43	9.94	6.93	9.58	0.72	5.38	3.88	0.001503	10.55289
0.9	374.62	1.5	1.43	10.81	7.56	9.58	0.79	5.38	3.59	0.002011	15.38463
1	374.64	1.52	1.4	10.73	7.68	9.58	0.8	5.38	3.53	0.002895	22.5091
1.1	374.67	1.55	1.35	10.57	7.83	9.58	0.82	5.38	3.47	0.00232	18.38365
1.2	374.66	1.54	1.34	10.42	7.77	9.58	0.81	5.38	3.49	0.002738	21.54032
1.3	374.63	1.51	1.34	10.21	7.6	9.58	0.79	5.38	3.57	0.001822	14.01073
1.4	374.57	1.46	1.32	9.65	7.31	9.58	0.76	5.38	3.7	0.001679	12.4315
1.5	374.53	1.41	1.31	9.25	7.05	9.58	0.74	5.38	3.82	0.001781	12.7011
1.6	374.47	1.36	1.32	8.95	6.76	9.58	0.71	5.38	3.97	0.001983	13.57635
1.7	374.45	1.33	1.32	8.75	6.61	9.58	0.69	5.38	4.04	0.002772	18.54651
1.8	374.43	1.31	1.34	8.71	6.52	6.92	0.94	5.37	4.1	0.002869	26.20077
1.9	374.41	1.3	1.36	8.74	6.43	6.88	0.93	5.36	4.14	0.002648	23.98965
2	374.39	1.27	1.38	8.69	6.29	6.82	0.92	5.33	4.2	0.00278	24.84236
2.1	374.38	1.26	1.4	8.69	6.22	6.8	0.92	5.32	4.23	0.00287	25.46039
2.2	374.37	1.25	1.41	8.69	6.17	6.78	0.91	5.31	4.25	0.002936	25.91253
2.3	374.36	1.24	1.41	8.69	6.14	6.76	0.91	5.31	4.27	0.002966	26.09182
2.4	374.36	1.24	1.42	8.69	6.13	6.76	0.91	5.31	4.28	0.002987	26.23826
2.5	374.36	1.24	1.42	8.7	6.12	6.76	0.91	5.3	4.28	0.002199	19.31242

CHANNEL HYDROGRAPH FOR ELEMENT NO: 3666

MASSIMA PORTATA 12.09 AT TIME 0.94
MASSIMA QUOTA PELO LIBERO 374.7 AT TIME 1.06

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	372.93	0	0	0	0	0	0	0	0	0	0
0.1	372.93	0	0	0	0	0	0	0	0	0	0
0.2	372.93	0	0	0	0	0	0	0	0	0	0
0.3	372.93	0	0	0	0	0	0	0	0	0	0
0.4	373.04	0.11	0.21	0.24	1.14	3.05	0.37	3.03	27.14	0.003746	13.59449
0.5	373.6	0.67	0.86	2.39	2.79	5.54	0.5	4.89	7.3	0.002153	10.49955
0.6	373.88	0.96	1.08	4.73	4.36	6.18	0.71	5.17	5.41	0.00181	12.38607
0.7	374.21	1.28	1.22	7.68	6.28	6.92	0.91	5.5	4.28	0.001318	11.60843
0.8	374.5	1.57	1.23	9.86	8.02	9.76	0.82	5.56	3.54	0.001581	12.59198
0.9	374.62	1.69	1.24	10.79	8.72	9.76	0.89	5.56	3.3	0.001043	9.03876
1	374.64	1.71	1.21	10.73	8.84	9.76	0.91	5.56	3.26	0	0
1.1	374.66	1.73	1.17	10.52	8.98	9.76	0.92	5.56	3.21	0.001699	15.14757
1.2	374.65	1.72	1.17	10.42	8.94	9.76	0.92	5.56	3.23	0.001593	14.13622
1.3	374.62	1.69	1.17	10.23	8.75	9.76	0.9	5.56	3.29	0.000913	7.92989
1.4	374.57	1.64	1.14	9.66	8.44	9.76	0.86	5.56	3.39	0.001318	11.04148
1.5	374.52	1.59	1.14	9.28	8.14	9.76	0.83	5.56	3.49	0.000981	7.92779
1.6	374.47	1.54	1.14	8.97	7.83	9.76	0.8	5.56	3.61	0.00109	8.4819
1.7	374.44	1.51	1.15	8.75	7.63	9.76	0.78	5.56	3.68	0.001038	7.86433
1.8	374.42	1.5	1.16	8.71	7.51	9.76	0.77	5.56	3.72	0.002281	17.01702
1.9	374.41	1.48	1.18	8.73	7.39	9.76	0.76	5.56	3.76	0.001637	12.01842
2	374.38	1.46	1.2	8.69	7.23	9.76	0.74	5.56	3.82	0.001733	12.44433
2.1	374.37	1.44	1.21	8.68	7.15	9.76	0.73	5.56	3.86	0.001791	12.70586
2.2	374.36	1.43	1.22	8.68	7.09	9.76	0.73	5.56	3.88	0.00184	12.9471
2.3	374.35	1.43	1.23	8.68	7.05	9.76	0.72	5.56	3.9	0.001861	13.02231
2.4	374.35	1.42	1.24	8.69	7.03	9.76	0.72	5.56	3.91	0.001874	13.08377
2.5	374.35	1.42	1.24	8.7	7.03	9.76	0.72	5.56	3.91	0.001804	12.58626

CHANNEL HYDROGRAPH FOR ELEMENT NO: 3756

MASSIMA PORTATA 12.19 AT TIME 0.94
MASSIMA QUOTA PELO LIBERO 374.69 AT TIME 1.02

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	372.91	0	0	0	0	0	0	0	0	0	0
0.1	372.91	0	0	0	0	0	0	0	0	0	0
0.2	372.91	0	0	0	0	0	0	0	0	0	0
0.3	372.91	0	0	0	0	0	0	0	0	0	0
0.4	372.98	0.08	0.16	0.16	1	2.94	0.34	2.89	37.95	0.003252	10.75853
0.5	373.56	0.65	0.8	2.31	2.89	6.03	0.48	5.55	8.48	0.001547	7.18055
0.6	373.87	0.96	0.97	4.66	4.79	6.77	0.71	5.98	6.24	0.001162	7.96775
0.7	374.21	1.3	1.07	7.56	7.04	7.61	0.93	6.47	4.98	0.000863	7.73966
0.8	374.5	1.59	1.08	9.8	9.04	10.21	0.89	6.47	4.06	0.002008	17.23581
0.9	374.62	1.71	1.09	10.75	9.83	10.21	0.96	6.47	3.78	0.000625	5.8299
1	374.64	1.73	1.08	10.73	9.97	10.21	0.98	6.47	3.74	0	0
1.1	374.66	1.75	1.04	10.5	10.11	10.21	0.99	6.47	3.7	0.001444	13.85896
1.2	374.65	1.74	1.04	10.43	10.07	10.21	0.99	6.47	3.71	0.000251	2.40231
1.3	374.62	1.71	1.04	10.24	9.86	10.21	0.97	6.47	3.78	0.000533	4.98478
1.4	374.57	1.66	1.02	9.68	9.52	10.21	0.93	6.47	3.89	0.000926	8.36684
1.5	374.52	1.61	1.01	9.3	9.18	10.21	0.9	6.47	4.01	0.000577	5.02767
1.6	374.47	1.56	1.02	8.99	8.84	10.21	0.87	6.47	4.14	0.00063	5.28286
1.7	374.43	1.52	1.02	8.75	8.56	10.21	0.84	6.47	4.24	0.000924	7.51111
1.8	374.41	1.5	1.04	8.72	8.38	10.21	0.82	6.47	4.31	0.001604	12.7597
1.9	374.38	1.48	1.07	8.74	8.21	10.21	0.8	6.47	4.38	0.001624	12.64836
2	374.36	1.45	1.09	8.69	8.01	10.21	0.78	6.47	4.46	0.001712	13.0266
2.1	374.34	1.43	1.1	8.68	7.91	10.21	0.77	6.47	4.51	0.001769	13.28078
2.2	374.33	1.42	1.11	8.68	7.83	10.21	0.77	6.47	4.54	0.001818	13.52246
2.3	374.33	1.42	1.11	8.68	7.79	10.21	0.76	6.47	4.56	0.00184	13.60454
2.4	374.32	1.41	1.12	8.69	7.77	10.21	0.76	6.47	4.57	0.001852	13.6573
2.5	374.32	1.41	1.12	8.7	7.76	10.21	0.76	6.47	4.58	0.001853	13.65429

CHANNEL HYDROGRAPH FOR ELEMENT NO: 3846

MASSIMA PORTATA 12.25 AT TIME 0.94
MASSIMA QUOTA PELO LIBERO 374.69 AT TIME 1.02

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	372.88	0	0	0	0	0	0	0	0	0	0
0.1	372.88	0	0	0	0	0	0	0	0	0	0
0.2	372.88	0	0	0	0	0	0	0	0	0	0
0.3	372.88	0	0	0	0	0	0	0	0	0	0
0.4	372.93	0.05	0.1	0.09	0.86	2.29	0.37	2.27	47.01	0.003436	12.44106
0.5	373.52	0.64	0.73	2.23	3.06	6.51	0.47	6.1	9.46	0.001225	5.57958
0.6	373.85	0.97	0.87	4.6	5.31	7.36	0.72	6.64	6.82	0.000795	5.56481
0.7	374.2	1.32	0.95	7.44	7.86	10.66	0.74	7.12	5.38	0.000536	3.83064
0.8	374.5	1.62	0.97	9.75	10.08	10.66	0.95	7.12	4.39	0.000974	8.92552
0.9	374.61	1.73	0.98	10.72	10.92	10.66	1.02	7.12	4.11	0.000386	3.82952
1	374.64	1.76	0.97	10.72	11.11	10.66	1.04	7.12	4.05	0	0
1.1	374.65	1.78	0.94	10.51	11.24	10.66	1.05	7.12	4.01	0.000782	7.99164
1.2	374.65	1.77	0.93	10.44	11.19	10.66	1.05	7.12	4.02	0.000211	2.14741
1.3	374.62	1.74	0.93	10.25	10.97	10.66	1.03	7.12	4.09	0.000322	3.20771
1.4	374.57	1.69	0.91	9.7	10.6	10.66	0.99	7.12	4.21	0.000189	1.82533
1.5	374.52	1.64	0.91	9.33	10.23	10.66	0.96	7.12	4.34	0.000335	3.12032
1.6	374.47	1.59	0.91	9.01	9.86	10.66	0.92	7.12	4.47	0.000366	3.27984
1.7	374.43	1.55	0.92	8.77	9.53	10.66	0.89	7.12	4.6	0.000988	8.56097
1.8	374.4	1.52	0.94	8.75	9.3	10.66	0.87	7.12	4.69	0.000736	6.22115
1.9	374.37	1.49	0.96	8.77	9.1	10.66	0.85	7.12	4.77	0.000839	6.94596
2	374.34	1.46	0.98	8.71	8.89	10.66	0.83	7.12	4.87	0.000892	7.20368
2.1	374.32	1.45	0.99	8.7	8.77	10.66	0.82	7.12	4.92	0.000931	7.42107
2.2	374.31	1.43	1	8.7	8.68	10.66	0.81	7.12	4.96	0.000957	7.55578
2.3	374.31	1.43	1.01	8.69	8.63	10.66	0.81	7.12	4.99	0.000973	7.63114
2.4	374.3	1.42	1.01	8.69	8.61	10.66	0.81	7.12	5	0.000983	7.69292
2.5	374.3	1.42	1.01	8.7	8.6	10.66	0.81	7.12	5	0.000984	7.68959

CHANNEL HYDROGRAPH FOR ELEMENT NO: 3847

MASSIMA PORTATA 11.70 AT TIME 0.94
MASSIMA QUOTA PELO LIBERO 374.69 AT TIME 1.02

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	372.86	0	0	0	0	0	0	0	0	0	0
0.1	372.86	0	0	0	0	0	0	0	0	0	0
0.2	372.86	0	0	0	0	0	0	0	0	0	0
0.3	372.86	0	0	0	0	0	0	0	0	0	0
0.4	372.88	0.02	0.06	0.03	0.04	1.2	0	1.19	0	0.005062	0
0.5	373.49	0.63	0.71	2.13	2.98	6.97	0.43	6.61	10.42	0.000805	3.34017
0.6	373.84	0.98	0.83	4.53	5.44	7.95	0.69	7.3	7.42	0.000292	1.93612
0.7	374.2	1.34	0.9	7.28	8.12	11.09	0.73	7.78	5.79	0	0
0.8	374.5	1.64	0.91	9.54	10.44	11.09	0.94	7.78	4.74	0	0
0.9	374.61	1.75	0.92	10.46	11.31	11.09	1.02	7.78	4.43	0	0
1	374.64	1.78	0.91	10.48	11.49	11.09	1.04	7.78	4.37	0	0
1.1	374.65	1.8	0.89	10.3	11.61	11.09	1.05	7.78	4.33	0	0
1.2	374.65	1.79	0.89	10.24	11.57	11.09	1.04	7.78	4.34	0.000799	8.07188
1.3	374.62	1.76	0.89	10.07	11.34	11.09	1.02	7.78	4.42	0	0
1.4	374.57	1.71	0.87	9.56	10.97	11.09	0.99	7.78	4.54	0	0
1.5	374.52	1.66	0.87	9.22	10.59	11.09	0.95	7.78	4.68	0	0
1.6	374.47	1.61	0.87	8.92	10.2	11.09	0.92	7.78	4.82	0	0
1.7	374.43	1.57	0.88	8.69	9.86	11.09	0.89	7.78	4.96	0.000188	1.62218
1.8	374.39	1.54	0.9	8.68	9.61	11.09	0.87	7.78	5.06	0	0
1.9	374.37	1.51	0.92	8.69	9.4	11.09	0.85	7.78	5.15	0	0
2	374.34	1.48	0.94	8.65	9.18	11.09	0.83	7.78	5.25	0	0
2.1	374.32	1.46	0.95	8.64	9.06	11.09	0.82	7.78	5.31	0	0
2.2	374.31	1.45	0.96	8.65	8.97	11.09	0.81	7.78	5.35	0	0
2.3	374.3	1.45	0.97	8.64	8.91	11.09	0.8	7.78	5.38	0	0
2.4	374.3	1.44	0.97	8.65	8.89	11.09	0.8	7.78	5.39	0	0
2.5	374.3	1.44	0.98	8.66	8.88	11.09	0.8	7.78	5.39	0	0

0.5	373.42	0.72	0.74	1.93	2.62	5.3	0.49	4.72	6.56	0.001271	6.08307
0.6	373.8	1.1	0.97	4.42	4.54	6.27	0.72	5.27	4.77	0.001114	7.80891
0.7	374.17	1.47	1.07	7.08	6.59	7.2	0.92	5.8	3.93	0.001107	9.82306
0.8	374.48	1.78	1.12	9.43	8.4	10.85	0.77	6.02	3.38	0	0
0.9	374.59	1.89	1.14	10.39	9.08	10.85	0.84	6.02	3.18	0.000774	6.28146
1	374.62	1.92	1.13	10.46	9.24	10.85	0.85	6.02	3.14	0.00101	8.3352
1.1	374.63	1.93	1.1	10.29	9.33	10.85	0.86	6.02	3.11	0.001216	10.13746
1.2	374.63	1.93	1.1	10.26	9.3	10.85	0.86	6.02	3.12	0.001302	10.81196
1.3	374.6	1.9	1.11	10.08	9.12	10.85	0.84	6.02	3.17	0.000827	6.73688
1.4	374.55	1.85	1.09	9.59	8.83	10.85	0.81	6.02	3.25	0.000759	5.98953
1.5	374.5	1.8	1.09	9.26	8.53	10.85	0.79	6.02	3.34	0.000822	6.26284
1.6	374.45	1.75	1.09	8.95	8.21	10.85	0.76	6.02	3.44	0.000907	6.65071
1.7	374.4	1.7	1.1	8.72	7.92	10.85	0.73	6.02	3.54	0.000865	6.12111
1.8	374.36	1.67	1.13	8.71	7.7	10.85	0.71	6.02	3.61	0.001174	8.07813
1.9	374.33	1.64	1.16	8.71	7.52	10.85	0.69	6.02	3.68	0.001004	6.74523
2	374.31	1.61	1.18	8.66	7.36	7.54	0.98	5.99	3.72	0.001046	9.89726
2.1	374.29	1.59	1.19	8.65	7.26	7.5	0.97	5.97	3.75	0.001093	10.26329
2.2	374.28	1.58	1.21	8.65	7.18	7.47	0.96	5.95	3.77	0.001125	10.48834
2.3	374.27	1.57	1.21	8.65	7.13	7.44	0.96	5.94	3.78	0.001141	10.59371
2.4	374.27	1.57	1.22	8.65	7.11	7.44	0.96	5.93	3.78	0.001146	10.61769
2.5	374.26	1.57	1.22	8.66	7.1	7.43	0.96	5.93	3.78	0.001154	10.68154

CHANNEL HYDROGRAPH FOR ELEMENT NO: 3761

MASSIMA	PORTATA	11.21	AT TIME	1.03
MASSIMA	QUOTA PELO LIBERO	374.65	AT TIME	1.13

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	372.7	0	0	0	0	0	0	0	0	0	0
0.1	372.7	0	0	0	0	0	0	0	0	0	0
0.2	372.7	0	0	0	0	0	0	0	0	0	0
0.3	372.7	0	0	0	0	0	0	0	0	0	0
0.4	372.7	0	0	0	0	0	0	0	0	0	0
0.5	373.38	0.68	0.75	1.83	2.44	5.26	0.46	4.78	7	0.001182	5.31224
0.6	373.78	1.08	1.04	4.37	4.2	6.26	0.67	5.38	4.99	0.001049	6.82522
0.7	374.15	1.45	1.12	6.98	6.24	7.2	0.87	5.94	4.09	0.001096	9.20208
0.8	374.45	1.75	1.16	9.31	8.02	10.14	0.79	5.95	3.39	0.000169	1.29276
0.9	374.57	1.87	1.19	10.36	8.69	10.14	0.86	5.95	3.18	0.000695	5.76713
1	374.59	1.9	1.18	10.45	8.84	10.14	0.87	5.95	3.14	0.000876	7.39938
1.1	374.61	1.91	1.15	10.28	8.94	10.14	0.88	5.95	3.11	0.00134	11.45451
1.2	374.6	1.91	1.15	10.29	8.91	10.14	0.88	5.95	3.12	0.00027	2.29687
1.3	374.57	1.88	1.16	10.1	8.73	10.14	0.86	5.95	3.17	0.000768	6.40815
1.4	374.53	1.83	1.14	9.62	8.45	10.14	0.83	5.95	3.26	0.000899	7.25916
1.5	374.47	1.78	1.14	9.29	8.15	10.14	0.8	5.95	3.35	0.000784	6.10541
1.6	374.42	1.72	1.15	8.98	7.83	10.14	0.77	5.95	3.45	0.000859	6.42636
1.7	374.37	1.67	1.16	8.75	7.54	10.14	0.74	5.95	3.56	0.000676	4.87325
1.8	374.33	1.64	1.19	8.73	7.32	10.14	0.72	5.95	3.64	0.000945	6.61409
1.9	374.3	1.61	1.22	8.72	7.14	10.14	0.7	5.95	3.71	0.000788	5.37588
2	374.28	1.58	1.24	8.67	6.98	10.14	0.69	5.95	3.77	0.000838	5.58769
2.1	374.26	1.56	1.26	8.66	6.88	10.14	0.68	5.95	3.81	0.000883	5.80258
2.2	374.25	1.55	1.27	8.66	6.79	10.14	0.67	5.95	3.85	0.000915	5.93935
2.3	374.24	1.54	1.28	8.65	6.74	10.14	0.66	5.95	3.87	0.000931	5.99067
2.4	374.23	1.53	1.29	8.65	6.71	10.14	0.66	5.95	3.88	0.00094	6.03091
2.5	374.23	1.53	1.29	8.66	6.7	10.14	0.66	5.95	3.88	0.000941	6.02829

CHANNEL HYDROGRAPH FOR ELEMENT NO: 3850

MASSIMA	PORTATA	11.07	AT TIME	1.03
MASSIMA	QUOTA PELO LIBERO	374.63	AT TIME	1.13

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	372.69	0	0	0	0	0	0	0	0	0	0
0.1	372.69	0	0	0	0	0	0	0	0	0	0
0.2	372.69	0	0	0	0	0	0	0	0	0	0
0.3	372.69	0	0	0	0	0	0	0	0	0	0
0.4	372.69	0	0	0	0	0	0	0	0	0	0
0.5	373.34	0.65	0.82	1.73	2.1	4.67	0.45	4.29	6.61	0.001844	8.0527
0.6	373.74	1.06	1.18	4.32	3.67	5.75	0.64	4.99	4.72	0.001438	8.90104
0.7	374.12	1.44	1.22	6.87	5.63	6.74	0.84	5.62	3.91	0.00103	8.3391
0.8	374.43	1.75	1.25	9.2	7.34	9.82	0.75	5.69	3.26	0.00057	4.13024
0.9	374.55	1.86	1.29	10.31	7.97	9.82	0.81	5.69	3.06	0.000676	5.31551
1	374.58	1.89	1.28	10.39	8.12	9.82	0.83	5.69	3.01	0.000518	4.15

1.1	374.59	1.91	1.24	10.23	8.22	9.82	0.84	5.69	2.99	0.001084	8.79942
1.2	374.59	1.9	1.25	10.26	8.18	9.82	0.83	5.69	3	0.000218	1.75998
1.3	374.56	1.87	1.26	10.09	8.01	9.82	0.82	5.69	3.05	0.000737	5.82801
1.4	374.51	1.82	1.24	9.63	7.74	9.82	0.79	5.69	3.13	0.000975	7.45132
1.5	374.46	1.77	1.25	9.31	7.45	9.82	0.76	5.69	3.22	0.00086	6.33219
1.6	374.4	1.71	1.26	9.01	7.14	9.82	0.73	5.69	3.32	0.000974	6.86509
1.7	374.35	1.66	1.28	8.77	6.86	9.82	0.7	5.69	3.42	0.000951	6.44295
1.8	374.32	1.63	1.31	8.75	6.66	9.82	0.68	5.69	3.5	0.0011	7.23154
1.9	374.28	1.59	1.35	8.74	6.47	9.82	0.66	5.69	3.57	0.001105	7.05622
2	374.25	1.57	1.38	8.68	6.3	9.82	0.64	5.69	3.63	0.001187	7.38191
2.1	374.24	1.55	1.4	8.67	6.19	9.82	0.63	5.69	3.68	0.001255	7.66928
2.2	374.22	1.53	1.42	8.66	6.09	9.82	0.62	5.69	3.71	0.001312	7.89415
2.3	374.21	1.52	1.43	8.65	6.04	9.82	0.61	5.69	3.74	0.001337	7.96881
2.4	374.21	1.52	1.44	8.65	6.01	9.82	0.61	5.69	3.75	0.001353	8.03091
2.5	374.2	1.52	1.44	8.66	6	9.82	0.61	5.69	3.75	0.001347	7.98203

CHANNEL HYDROGRAPH FOR ELEMENT NO: 3938

MASSIMA PORTATA 10.97 AT TIME 1.14
MASSIMA QUOTA PELO LIBERO 374.6 AT TIME 1.03

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	372.68	0	0	0	0	0	0	0	0	0	0
0.1	372.68	0	0	0	0	0	0	0	0	0	0
0.2	372.68	0	0	0	0	0	0	0	0	0	0
0.3	372.68	0	0	0	0	0	0	0	0	0	0
0.4	372.68	0	0	0	0	0	0	0	0	0	0
0.5	373.27	0.59	0.86	1.64	1.9	4.34	0.44	3.96	6.71	0.002734	11.59252
0.6	373.69	1.01	1.29	4.27	3.3	5.42	0.61	4.63	4.57	0.002161	12.77135
0.7	374.09	1.41	1.3	6.79	5.24	9.19	0.57	5.2	3.69	0.001527	8.43729
0.8	374.4	1.72	1.33	9.13	6.88	9.19	0.75	5.2	3.02	0.001263	9.16548
0.9	374.52	1.84	1.38	10.28	7.47	9.19	0.81	5.2	2.82	0.001216	9.58933
1	374.55	1.87	1.36	10.33	7.63	9.19	0.83	5.2	2.78	0.000777	6.25474
1.1	374.57	1.89	1.32	10.21	7.73	9.19	0.84	5.2	2.75	0.001093	8.91438
1.2	374.56	1.88	1.34	10.26	7.69	9.19	0.84	5.2	2.76	0.001295	10.5042
1.3	374.53	1.85	1.34	10.09	7.52	9.19	0.82	5.2	2.81	0.001194	9.47275
1.4	374.48	1.8	1.33	9.65	7.26	9.19	0.79	5.2	2.89	0.001534	11.75283
1.5	374.42	1.75	1.34	9.35	6.98	9.19	0.76	5.2	2.98	0.001408	10.37305
1.6	374.36	1.69	1.35	9.03	6.67	9.19	0.73	5.2	3.08	0.001551	10.91216
1.7	374.31	1.63	1.37	8.78	6.39	9.19	0.7	5.2	3.18	0.001928	12.9989
1.8	374.27	1.59	1.42	8.76	6.17	9.19	0.67	5.2	3.26	0.002027	13.20723
1.9	374.23	1.56	1.46	8.74	5.97	9.19	0.65	5.2	3.34	0.002115	13.31409
2	374.2	1.52	1.5	8.69	5.78	9.19	0.63	5.2	3.41	0.002271	13.85843
2.1	374.18	1.5	1.53	8.67	5.66	9.19	0.62	5.2	3.46	0.002415	14.42233
2.2	374.16	1.48	1.56	8.67	5.55	9.19	0.6	5.2	3.51	0.002521	14.76439
2.3	374.15	1.47	1.58	8.65	5.48	9.19	0.6	5.2	3.54	0.00257	14.87043
2.4	374.14	1.47	1.59	8.65	5.45	9.19	0.59	5.2	3.55	0.002603	14.97297
2.5	374.14	1.46	1.59	8.66	5.44	9.19	0.59	5.2	3.55	0.002596	14.89878

CHANNEL HYDROGRAPH FOR ELEMENT NO: 4027

MASSIMA PORTATA 11.05 AT TIME 1.14
MASSIMA QUOTA PELO LIBERO 374.57 AT TIME 1.03

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	372.68	0	0	0	0	0	0	0	0	0	0
0.1	372.68	0	0	0	0	0	0	0	0	0	0
0.2	372.68	0	0	0	0	0	0	0	0	0	0
0.3	372.68	0	0	0	0	0	0	0	0	0	0
0.4	372.68	0	0	0	0	0	0	0	0	0	0
0.5	373.2	0.52	0.93	1.58	1.69	3.97	0.43	3.45	6.62	0.004231	17.47255
0.6	373.63	0.95	1.41	4.23	3	5.35	0.56	4.37	4.6	0.002971	16.13307
0.7	374.05	1.37	1.34	6.73	5.01	8.97	0.56	4.95	3.62	0.001974	10.67834
0.8	374.37	1.69	1.36	9.05	6.65	8.97	0.74	4.95	2.92	0.001583	11.38364
0.9	374.49	1.81	1.42	10.26	7.24	8.97	0.81	4.95	2.73	0.001554	12.15937
1	374.52	1.85	1.39	10.31	7.4	8.97	0.83	4.95	2.68	0.001174	9.3945
1.1	374.54	1.87	1.36	10.23	7.5	8.97	0.84	4.95	2.66	0.00096	7.78979
1.2	374.54	1.86	1.38	10.28	7.46	8.97	0.83	4.95	2.67	0.001809	14.58185
1.3	374.5	1.82	1.39	10.12	7.29	8.97	0.81	4.95	2.72	0.001471	11.58578
1.4	374.45	1.77	1.38	9.69	7.03	8.97	0.78	4.95	2.8	0.001893	14.38576
1.5	374.39	1.71	1.39	9.39	6.74	8.97	0.75	4.95	2.89	0.001762	12.84174
1.6	374.33	1.65	1.41	9.07	6.42	8.97	0.72	4.95	3	0.001961	13.61534

1.7	374.27	1.59	1.44	8.82	6.13	8.97	0.68	4.95	3.11	0.002556	16.94565
1.8	374.23	1.55	1.49	8.8	5.89	8.97	0.66	4.95	3.2	0.002588	16.48961
1.9	374.18	1.51	1.55	8.79	5.66	8.97	0.63	4.95	3.29	0.002928	17.90289
2	374.14	1.47	1.61	8.75	5.44	8.97	0.61	4.95	3.38	0.003268	19.21655
2.1	374.12	1.44	1.65	8.73	5.29	8.97	0.59	4.95	3.44	0.003546	20.27999
2.2	374.09	1.41	1.69	8.71	5.15	8.97	0.57	4.95	3.5	0.0038	21.1678
2.3	374.08	1.4	1.72	8.7	5.07	8.97	0.56	4.95	3.54	0.003928	21.50615
2.4	374.07	1.39	1.73	8.69	5.02	8.97	0.56	4.95	3.56	0.003988	21.65924
2.5	374.07	1.39	1.74	8.7	5.01	8.97	0.56	4.95	3.56	0.004011	21.70259

CHANNEL HYDROGRAPH FOR ELEMENT NO: 4116

MASSIMA PORTATA 11.08 AT TIME 1.13
MASSIMA QUOTA PELO LIBERO 374.55 AT TIME 1.07

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	372.62	0	0	0	0	0	0	0	0	0	0
0.1	372.62	0	0	0	0	0	0	0	0	0	0
0.2	372.62	0	0	0	0	0	0	0	0	0	0
0.3	372.62	0	0	0	0	0	0	0	0	0	0
0.4	372.62	0	0	0	0	0	0	0	0	0	0
0.5	373.11	0.49	0.91	1.52	1.68	3.64	0.46	3.15	6.43	0.006004	26.80849
0.6	373.56	0.94	1.37	4.18	3.05	5.15	0.59	4.2	4.48	0.003484	19.99919
0.7	374.01	1.39	1.27	6.58	5.2	8.97	0.58	4.9	3.51	0.002073	11.6392
0.8	374.35	1.73	1.3	8.94	6.86	8.97	0.76	4.9	2.83	0.001805	13.36722
0.9	374.47	1.85	1.38	10.24	7.42	8.97	0.83	4.9	2.64	0.001906	15.28456
1	374.5	1.89	1.36	10.29	7.59	8.97	0.85	4.9	2.6	0.00177	14.50596
1.1	374.53	1.91	1.33	10.25	7.69	8.97	0.86	4.9	2.57	0.001331	11.06494
1.2	374.52	1.9	1.35	10.32	7.64	8.97	0.85	4.9	2.58	0.001877	15.49775
1.3	374.48	1.86	1.36	10.16	7.47	8.97	0.83	4.9	2.63	0.001789	14.43347
1.4	374.43	1.81	1.35	9.76	7.22	8.97	0.8	4.9	2.71	0.00229	17.84779
1.5	374.37	1.75	1.36	9.45	6.92	8.97	0.77	4.9	2.8	0.002166	16.19904
1.6	374.3	1.68	1.38	9.12	6.6	8.97	0.74	4.9	2.91	0.002437	17.36379
1.7	374.24	1.62	1.41	8.88	6.29	8.97	0.7	4.9	3.02	0.003129	21.27032
1.8	374.19	1.57	1.47	8.84	6.03	8.97	0.67	4.9	3.12	0.003342	21.76173
1.9	374.14	1.52	1.53	8.82	5.76	8.97	0.64	4.9	3.23	0.003958	24.64362
2	374.09	1.47	1.59	8.77	5.52	8.97	0.61	4.9	3.33	0.004467	26.62482
2.1	374.05	1.44	1.64	8.74	5.34	8.97	0.6	4.9	3.41	0.004942	28.52147
2.2	374.02	1.4	1.69	8.72	5.18	8.97	0.58	4.9	3.49	0.005402	30.20441
2.3	374	1.38	1.72	8.7	5.07	8.97	0.56	4.9	3.54	0.005652	30.93665
2.4	373.99	1.37	1.73	8.7	5.02	8.97	0.56	4.9	3.56	0.00576	31.20925
2.5	373.99	1.37	1.74	8.7	4.99	8.97	0.56	4.9	3.58	0.00584	31.48719

CHANNEL HYDROGRAPH FOR ELEMENT NO: 4205

MASSIMA PORTATA 11.09 AT TIME 1.03
MASSIMA QUOTA PELO LIBERO 374.53 AT TIME 1.11

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	372.57	0	0	0	0	0	0	0	0	0	0
0.1	372.57	0	0	0	0	0	0	0	0	0	0
0.2	372.57	0	0	0	0	0	0	0	0	0	0
0.3	372.57	0	0	0	0	0	0	0	0	0	0
0.4	372.57	0	0	0	0	0	0	0	0	0	0
0.5	373.02	0.46	0.72	1.45	2.02	4.13	0.49	3.77	8.26	0.003833	18.21255
0.6	373.51	0.94	1.11	4.13	3.72	5.28	0.7	4.34	4.61	0.001725	11.75965
0.7	374	1.43	1.05	6.4	6.08	8.52	0.71	4.7	3.29	0.00127	8.77836
0.8	374.34	1.77	1.14	8.84	7.79	8.52	0.91	4.7	2.65	0.001315	11.65136
0.9	374.46	1.89	1.22	10.23	8.35	8.52	0.98	4.7	2.48	0.001329	12.62867
1	374.5	1.93	1.21	10.28	8.51	8.52	1	4.7	2.44	0.001404	13.59872
1.1	374.52	1.95	1.19	10.25	8.62	8.52	1.01	4.7	2.41	0.0012	11.77399
1.2	374.51	1.94	1.21	10.34	8.57	8.52	1.01	4.7	2.42	0.001211	11.80696
1.3	374.47	1.9	1.22	10.2	8.39	8.52	0.98	4.7	2.47	0.001329	12.6786
1.4	374.42	1.85	1.21	9.83	8.13	8.52	0.95	4.7	2.54	0.001547	14.3119
1.5	374.36	1.79	1.22	9.52	7.83	8.52	0.92	4.7	2.63	0.001431	12.74716
1.6	374.29	1.72	1.23	9.2	7.49	8.52	0.88	4.7	2.74	0.001589	13.54601
1.7	374.22	1.65	1.25	8.97	7.17	8.52	0.84	4.7	2.84	0.001999	16.30702
1.8	374.16	1.59	1.3	8.92	6.88	8.52	0.81	4.7	2.95	0.002091	16.37951
1.9	374.1	1.54	1.35	8.89	6.6	8.52	0.77	4.7	3.06	0.002515	18.88691
2	374.05	1.48	1.39	8.83	6.33	8.52	0.74	4.7	3.17	0.002823	20.33843
2.1	374.01	1.44	1.43	8.78	6.14	8.52	0.72	4.7	3.26	0.003141	21.94406
2.2	373.97	1.4	1.47	8.75	5.95	8.52	0.7	4.7	3.35	0.003478	23.54555

2.3	373.95	1.38	1.5	8.72	5.83	8.52	0.68	4.7	3.41	0.003654	24.22516
2.4	373.94	1.37	1.51	8.71	5.77	8.52	0.68	4.7	3.44	0.003754	24.63134
2.5	373.93	1.36	1.52	8.71	5.74	8.52	0.67	4.7	3.45	0.003814	24.89352

CHANNEL HYDROGRAPH FOR ELEMENT NO: 4295

MASSIMA PORTATA 11.12 AT TIME 1.03
MASSIMA QUOTA PELO LIBERO 374.53 AT TIME 1.11

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	372.54	0	0	0	0	0	0	0	0	0	0
0.1	372.54	0	0	0	0	0	0	0	0	0	0
0.2	372.54	0	0	0	0	0	0	0	0	0	0
0.3	372.54	0	0	0	0	0	0	0	0	0	0
0.4	372.54	0	0	0	0	0	0	0	0	0	0
0.5	372.97	0.44	0.58	1.35	2.32	4.94	0.47	4.43	10.15	0.00152	6.93372
0.6	373.51	0.97	0.96	4.05	4.2	6.13	0.69	4.94	5.1	0.000525	3.48531
0.7	374	1.46	0.91	6.25	6.86	8.71	0.79	5.08	3.47	0.000629	4.8013
0.8	374.35	1.81	1	8.69	8.73	8.71	1	5.08	2.81	0.000728	7.06329
0.9	374.46	1.93	1.09	10.2	9.34	8.71	1.07	5.08	2.64	0.000667	6.92888
1	374.5	1.96	1.08	10.26	9.51	8.71	1.09	5.08	2.59	0.000732	7.74535
1.1	374.52	1.98	1.06	10.25	9.62	8.71	1.1	5.08	2.56	0.000655	7.01015
1.2	374.51	1.97	1.08	10.34	9.56	8.71	1.1	5.08	2.58	0.000542	5.76024
1.3	374.47	1.93	1.09	10.21	9.36	8.71	1.07	5.08	2.63	0.000727	7.57141
1.4	374.42	1.88	1.09	9.87	9.09	8.71	1.04	5.08	2.7	0.000737	7.45035
1.5	374.36	1.82	1.09	9.58	8.76	8.71	1.01	5.08	2.79	0.000605	5.89359
1.6	374.29	1.75	1.1	9.26	8.39	8.71	0.96	5.08	2.9	0.000653	6.09445
1.7	374.22	1.68	1.12	9	8.04	8.71	0.92	5.08	3.02	0.000818	7.31749
1.8	374.16	1.63	1.16	8.94	7.73	8.71	0.89	5.08	3.12	0.000667	5.72932
1.9	374.11	1.57	1.2	8.91	7.41	8.71	0.85	5.08	3.24	0.000869	7.17162
2	374.05	1.51	1.24	8.85	7.12	8.71	0.82	5.08	3.36	0.000963	7.62267
2.1	374.01	1.47	1.27	8.79	6.91	8.71	0.79	5.08	3.45	0.001053	8.09013
2.2	373.97	1.43	1.31	8.77	6.69	8.71	0.77	5.08	3.54	0.001162	8.64983
2.3	373.95	1.41	1.33	8.73	6.55	8.71	0.75	5.08	3.61	0.00121	8.82447
2.4	373.93	1.4	1.34	8.71	6.49	8.71	0.74	5.08	3.64	0.001272	9.18375
2.5	373.93	1.39	1.35	8.71	6.45	8.71	0.74	5.08	3.66	0.001285	9.22412

CHANNEL HYDROGRAPH FOR ELEMENT NO: 4386

MASSIMA PORTATA 10.89 AT TIME 1.13
MASSIMA QUOTA PELO LIBERO 374.53 AT TIME 1.12

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	372.52	0	0	0	0	0	0	0	0	0	0
0.1	372.52	0	0	0	0	0	0	0	0	0	0
0.2	372.52	0	0	0	0	0	0	0	0	0	0
0.3	372.52	0	0	0	0	0	0	0	0	0	0
0.4	372.52	0	0	0	0	0	0	0	0	0	0
0.5	372.94	0.42	0.53	1.25	2.36	4.94	0.48	4.62	10.99	0.001214	5.63047
0.6	373.5	0.98	0.88	3.96	4.48	6.3	0.71	5.34	5.45	0.000493	3.40152
0.7	374	1.48	0.81	6.08	7.51	9.19	0.82	5.6	3.77	0.000207	1.63724
0.8	374.35	1.83	0.88	8.48	9.61	9.19	1.05	5.6	3.05	0.000332	3.3647
0.9	374.47	1.95	0.97	10.03	10.29	9.19	1.12	5.6	2.87	0.000298	3.24048
1	374.5	1.98	0.96	10.11	10.48	9.19	1.14	5.6	2.83	0.000362	4.00413
1.1	374.52	2	0.95	10.1	10.6	9.19	1.15	5.6	2.8	0.000376	4.20122
1.2	374.51	1.99	0.97	10.24	10.53	9.19	1.15	5.6	2.81	0.000112	1.24865
1.3	374.47	1.95	0.98	10.13	10.31	9.19	1.12	5.6	2.87	0.000331	3.59815
1.4	374.42	1.9	0.98	9.83	10	9.19	1.09	5.6	2.94	0.000343	3.61535
1.5	374.36	1.84	0.99	9.57	9.64	9.19	1.05	5.6	3.04	0.000222	2.25344
1.6	374.29	1.77	1.01	9.28	9.23	9.19	1	5.6	3.16	0.000264	2.56977
1.7	374.22	1.71	1.02	9.01	8.84	9.19	0.96	5.6	3.28	0.000381	3.55261
1.8	374.17	1.65	1.06	8.96	8.49	9.19	0.92	5.6	3.4	0.000208	1.86413
1.9	374.11	1.59	1.1	8.93	8.14	9.19	0.89	5.6	3.52	0.000351	3.01395
2	374.05	1.53	1.14	8.86	7.8	9.19	0.85	5.6	3.65	0.000375	3.08812
2.1	374.01	1.49	1.16	8.81	7.57	9.19	0.82	5.6	3.75	0.000448	3.58034
2.2	373.97	1.45	1.2	8.78	7.32	9.19	0.8	5.6	3.85	0.000478	3.69445
2.3	373.95	1.43	1.22	8.74	7.17	9.19	0.78	5.6	3.92	0.0005	3.7809
2.4	373.93	1.41	1.23	8.71	7.09	9.19	0.77	5.6	3.96	0.000533	3.98543
2.5	373.93	1.41	1.24	8.71	7.05	9.19	0.77	5.6	3.98	0.000544	4.04704

CHANNEL HYDROGRAPH FOR ELEMENT NO: 4476

MASSIMA	PORTATA	10.73	AT TIME	1.13							
MASSIMA	QUOTA PELO LIBERO	374.54	AT TIME	1.12							

CHANNEL HYDROGRAPH FOR ELEMENT NO: 4566

MASSIMA	PORTATA	10.52	AT TIME	1.13							
MASSIMA	QUOTA PELO LIBERO	374.53	AT TIME	1.03							
TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE (Pa) AL FONDO
0	372.47	0	0	0	0	0	0	0	0	0	0
0.1	372.47	0	0	0	0	0	0	0	0	0	0
0.2	372.47	0	0	0	0	0	0	0	0	0	0
0.3	372.47	0	0	0	0	0	0	0	0	0	0
0.4	372.47	0	0	0	0	0	0	0	0	0	0
0.5	372.85	0.38	0.65	1.07	1.66	3.93	0.42	3.8	9.9	0.00372	15.22536
0.6	373.47	1	1.04	3.77	3.62	6.26	0.58	5.62	5.64	0.000843	4.72385
0.7	374	1.53	0.83	5.66	6.8	9.15	0.74	5.9	3.86	0.000393	2.82957
0.8	374.35	1.88	0.9	7.98	8.82	9.15	0.96	5.9	3.13	0.000143	1.3341
0.9	374.47	2	1.02	9.63	9.47	9.15	1.03	5.9	2.95	0.000227	2.28118
1	374.5	2.03	1.01	9.72	9.64	9.15	1.05	5.9	2.9	0	0
1.1	374.52	2.05	1	9.74	9.76	9.15	1.07	5.9	2.88	0	0
1.2	374.51	2.04	1.03	9.98	9.69	9.15	1.06	5.9	2.89	0	0
1.3	374.47	2	1.05	9.95	9.47	9.15	1.03	5.9	2.95	0.000122	1.22604
1.4	374.42	1.95	1.06	9.74	9.18	9.15	1	5.9	3.03	0.000327	3.18166
1.5	374.36	1.89	1.08	9.54	8.82	9.15	0.96	5.9	3.12	0.000292	2.73131
1.6	374.29	1.82	1.1	9.29	8.41	9.15	0.92	5.9	3.25	0.000337	3.00367
1.7	374.22	1.75	1.12	9.04	8.03	9.15	0.88	5.9	3.37	0.000513	4.36258
1.8	374.16	1.69	1.17	8.99	7.68	9.15	0.84	5.9	3.49	0.000378	3.07404
1.9	374.1	1.63	1.22	8.95	7.33	9.15	0.8	5.9	3.62	0.000671	5.20903
2	374.04	1.57	1.27	8.88	6.99	9.15	0.76	5.9	3.75	0.000799	5.91931
2.1	374	1.53	1.31	8.81	6.74	9.15	0.74	5.9	3.86	0.000948	6.77264
2.2	373.95	1.49	1.35	8.77	6.48	9.15	0.71	5.9	3.97	0.001118	7.67943
2.3	373.93	1.46	1.38	8.72	6.31	9.15	0.69	5.9	4.05	0.001196	7.99773
2.4	373.91	1.44	1.4	8.7	6.23	9.15	0.68	5.9	4.09	0.001231	8.12305
2.5	373.9	1.44	1.41	8.69	6.18	9.15	0.68	5.9	4.11	0.001287	8.42639

CHANNEL HYDROGRAPH FOR ELEMENT NO: 4657

MASSIMA	PORTATA	10.39	AT TIME	1.13							
MASSIMA	QUOTA PELO LIBERO	374.52	AT TIME	1.03							

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	372.44	0	0	0	0	0	0	0	0	0	0
0.1	372.44	0	0	0	0	0	0	0	0	0	0
0.2	372.44	0	0	0	0	0	0	0	0	0	0
0.3	372.44	0	0	0	0	0	0	0	0	0	0
0.4	372.44	0	0	0	0	0	0	0	0	0	0
0.5	372.75	0.31	0.62	1	1.62	3.4	0.48	3.26	10.45	0.005515	25.40691
0.6	373.41	0.97	0.96	3.6	3.74	5.95	0.63	5.27	5.42	0.000861	5.25666
0.7	373.98	1.55	0.79	5.39	6.85	8.17	0.84	5.38	3.48	0.000456	3.70918
0.8	374.34	1.9	0.89	7.66	8.65	8.17	1.06	5.38	2.83	0.000477	4.90205
0.9	374.46	2.02	1.01	9.36	9.22	8.17	1.13	5.38	2.67	0.000431	4.72133
1	374.49	2.05	1.01	9.46	9.39	8.17	1.15	5.38	2.62	0.000305	3.39828
1.1	374.51	2.07	1	9.5	9.49	8.17	1.16	5.38	2.6	0.000193	2.17286
1.2	374.5	2.06	1.04	9.82	9.42	8.17	1.15	5.38	2.62	0.000217	2.42546
1.3	374.46	2.02	1.07	9.84	9.22	8.17	1.13	5.38	2.67	0.000492	5.38163
1.4	374.4	1.97	1.08	9.7	8.95	8.17	1.1	5.38	2.74	0.000492	5.2257
1.5	374.34	1.9	1.11	9.54	8.62	8.17	1.06	5.38	2.83	0.000497	5.08781
1.6	374.27	1.83	1.13	9.31	8.25	8.17	1.01	5.38	2.94	0.000591	5.78845
1.7	374.2	1.76	1.15	9.08	7.9	8.17	0.97	5.38	3.06	0.000861	8.0703
1.8	374.13	1.7	1.19	9.03	7.57	8.17	0.93	5.38	3.17	0.000823	7.39367
1.9	374.07	1.63	1.24	8.99	7.24	8.17	0.89	5.38	3.3	0.001031	8.85826
2	374.01	1.57	1.29	8.9	6.92	8.17	0.85	5.38	3.43	0.001214	9.96235
2.1	373.96	1.52	1.32	8.83	6.68	8.17	0.82	5.38	3.54	0.001427	11.30975
2.2	373.91	1.47	1.37	8.79	6.43	8.17	0.79	5.38	3.65	0.001652	12.59605
2.3	373.88	1.44	1.4	8.73	6.25	8.17	0.77	5.38	3.74	0.001774	13.17125
2.4	373.86	1.42	1.41	8.7	6.17	8.17	0.76	5.38	3.78	0.001825	13.36852
2.5	373.85	1.42	1.42	8.69	6.12	8.17	0.75	5.38	3.8	0.001894	13.76775

CHANNEL HYDROGRAPH FOR ELEMENT NO: 4748

MASSIMA PORTATA 10.17 AT TIME 1.13
MASSIMA QUOTA PELO LIBERO 374.51 AT TIME 1.08

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	372.41	0	0	0	0	0	0	0	0	0	0
0.1	372.41	0	0	0	0	0	0	0	0	0	0
0.2	372.41	0	0	0	0	0	0	0	0	0	0
0.3	372.41	0	0	0	0	0	0	0	0	0	0
0.4	372.41	0	0	0	0	0	0	0	0	0	0
0.5	372.66	0.26	0.57	0.92	1.61	4.35	0.37	4.15	16.22	0.00402	14.45248
0.6	373.39	0.98	0.87	3.4	3.91	6.95	0.56	4.76	4.86	0.000286	1.56066
0.7	373.98	1.58	0.75	5.16	6.92	6.95	1	4.76	3.02	0.000238	2.30017
0.8	374.34	1.93	0.84	7.26	8.61	6.95	1.24	4.76	2.47	0.000353	4.24046
0.9	374.45	2.04	0.99	9.04	9.14	6.95	1.32	4.76	2.33	0.000219	2.78622
1	374.48	2.08	0.99	9.19	9.29	6.95	1.34	4.76	2.29	0.000318	4.12479
1.1	374.5	2.1	0.98	9.24	9.39	6.95	1.35	4.76	2.27	0.000136	1.7796
1.2	374.49	2.08	1.03	9.64	9.32	6.95	1.34	4.76	2.29	0.000193	2.50446
1.3	374.45	2.04	1.07	9.73	9.13	6.95	1.31	4.76	2.33	0.000274	3.48374
1.4	374.4	1.99	1.09	9.66	8.88	6.95	1.28	4.76	2.4	0.000297	3.67968
1.5	374.33	1.92	1.11	9.54	8.56	6.95	1.23	4.76	2.48	0.000284	3.39172
1.6	374.26	1.85	1.14	9.33	8.21	6.95	1.18	4.76	2.58	0.000314	3.59868
1.7	374.19	1.78	1.16	9.12	7.88	6.95	1.13	4.76	2.68	0.000407	4.46666
1.8	374.12	1.72	1.2	9.08	7.56	6.95	1.09	4.76	2.78	0.000455	4.79329
1.9	374.06	1.65	1.25	9.02	7.25	6.95	1.04	4.76	2.89	0.00056	5.65384
2	373.99	1.59	1.29	8.93	6.94	6.95	1	4.76	3.01	0.000573	5.54626
2.1	373.95	1.54	1.32	8.86	6.72	6.95	0.97	4.76	3.1	0.000678	6.3501
2.2	373.89	1.49	1.36	8.81	6.47	6.95	0.93	4.76	3.21	0.000802	7.23502
2.3	373.86	1.45	1.39	8.74	6.31	6.95	0.91	4.76	3.28	0.000858	7.54445
2.4	373.84	1.43	1.4	8.7	6.22	6.95	0.9	4.76	3.32	0.00088	7.63836
2.5	373.83	1.42	1.41	8.69	6.18	6.95	0.89	4.76	3.34	0.000927	7.97703

CHANNEL HYDROGRAPH FOR ELEMENT NO: 4838

MASSIMA PORTATA 10.07 AT TIME 1.29
MASSIMA QUOTA PELO LIBERO 374.51 AT TIME 1.08

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	372.38	0	0	0	0	0	0	0	0	0	0
0.1	372.38	0	0	0	0	0	0	0	0	0	0
0.2	372.38	0	0	0	0	0	0	0	0	0	0
0.3	372.38	0	0	0	0	0	0	0	0	0	0
0.4	372.38	0	0	0	0	0	0	0	0	0	0
0.5	372.6	0.22	0.52	0.85	1.63	4	0.41	3.89	17.88	0.003684	14.53594
0.6	373.38	1	0.78	3.24	4.15	5.77	0.72	4.69	4.68	0.000402	2.8012
0.7	373.98	1.6	0.69	4.95	7.14	8.06	0.89	4.76	2.96	0.000317	2.72132
0.8	374.34	1.96	0.79	6.92	8.81	8.06	1.09	4.76	2.43	0.000334	3.54044
0.9	374.45	2.07	0.94	8.74	9.33	8.06	1.16	4.76	2.29	0.000441	4.9452
1	374.48	2.11	0.94	8.93	9.47	8.06	1.18	4.76	2.26	0.000444	5.05197
1.1	374.5	2.12	0.94	8.99	9.56	8.06	1.19	4.76	2.24	0.000438	5.04139
1.2	374.49	2.11	1	9.47	9.5	8.06	1.18	4.76	2.25	0.000404	4.61345
1.3	374.45	2.07	1.03	9.63	9.31	8.06	1.15	4.76	2.3	0.000385	4.31106
1.4	374.39	2.02	1.06	9.63	9.06	8.06	1.12	4.76	2.36	0.000453	4.92999
1.5	374.33	1.95	1.09	9.55	8.74	8.06	1.08	4.76	2.44	0.000494	5.19781
1.6	374.26	1.88	1.11	9.35	8.4	8.06	1.04	4.76	2.53	0.000527	5.31953
1.7	374.18	1.81	1.13	9.15	8.06	8.06	1	4.76	2.63	0.000457	4.42838
1.8	374.12	1.74	1.18	9.12	7.75	8.06	0.96	4.76	2.73	0.000657	6.11981
1.9	374.05	1.67	1.22	9.08	7.43	8.06	0.92	4.76	2.84	0.000862	7.70853
2	373.99	1.61	1.26	8.97	7.13	8.06	0.88	4.76	2.96	0.00083	7.11546
2.1	373.94	1.56	1.29	8.87	6.9	8.06	0.86	4.76	3.05	0.000997	8.27463
2.2	373.89	1.51	1.33	8.82	6.65	8.06	0.83	4.76	3.15	0.001063	8.50478
2.3	373.85	1.48	1.35	8.74	6.49	8.06	0.8	4.76	3.23	0.001139	8.884
2.4	373.84	1.46	1.36	8.71	6.4	8.06	0.79	4.76	3.26	0.001189	9.15089
2.5	373.83	1.45	1.37	8.7	6.35	8.06	0.79	4.76	3.29	0.001212	9.25865

CHANNEL HYDROGRAPH FOR ELEMENT NO: 4929

MASSIMA	PORTATA	9.99	AT TIME	1.29
MASSIMA	QUOTA PELO LIBERO	374.51	AT TIME	1.09

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	372.16	0	0	0	0	0	0	0	0	0	0
0.1	372.16	0	0	0	0	0	0	0	0	0	0
0.2	372.16	0	0	0	0	0	0	0	0	0	0
0.3	372.16	0	0	0	0	0	0	0	0	0	0
0.4	372.18	0.03	-0.01	0	0.02	0.63	0	0.63	0	0	0
0.5	372.5	0.34	0.32	0.76	2.37	4.12	0.58	3.84	11.18	0.001422	7.95511
0.6	373.37	1.21	0.64	3.11	4.89	5.98	0.82	4.5	3.71	0	0
0.7	373.98	1.82	0.61	4.71	7.79	9.18	0.85	4.64	2.54	0	0
0.8	374.34	2.18	0.69	6.47	9.43	9.18	1.03	4.64	2.13	0	0
0.9	374.45	2.29	0.84	8.35	9.95	9.18	1.08	4.64	2.02	0	0
1	374.48	2.32	0.85	8.61	10.08	9.18	1.1	4.64	2	0	0
1.1	374.5	2.34	0.85	8.68	10.17	9.18	1.11	4.64	1.98	0	0
1.2	374.49	2.33	0.92	9.27	10.1	9.18	1.1	4.64	1.99	0.000358	3.81773
1.3	374.45	2.29	0.96	9.5	9.91	9.18	1.08	4.64	2.03	0.000448	4.69092
1.4	374.39	2.23	0.99	9.58	9.67	9.18	1.05	4.64	2.08	0.000478	4.88589
1.5	374.33	2.17	1.02	9.54	9.36	9.18	1.02	4.64	2.14	0.000563	5.56675
1.6	374.25	2.09	1.04	9.36	9.02	9.18	0.98	4.64	2.22	0.000658	6.26802
1.7	374.18	2.02	1.06	9.17	8.69	9.18	0.95	4.64	2.29	0.000624	5.72728
1.8	374.11	1.96	1.09	9.14	8.38	9.18	0.91	4.64	2.37	0.000791	7.00353
1.9	374.04	1.89	1.13	9.11	8.06	9.18	0.88	4.64	2.46	0.000925	7.87217
2	373.98	1.82	1.16	8.98	7.75	9.18	0.85	4.64	2.55	0.001065	8.72731
2.1	373.93	1.77	1.18	8.88	7.53	9.18	0.82	4.64	2.62	0.001145	9.10808
2.2	373.88	1.72	1.21	8.84	7.28	9.18	0.79	4.64	2.7	0.001301	10.00166
2.3	373.84	1.68	1.23	8.76	7.11	9.18	0.77	4.64	2.76	0.001333	10.00554
2.4	373.82	1.66	1.24	8.72	7.02	9.18	0.77	4.64	2.79	0.001473	10.92688
2.5	373.81	1.65	1.25	8.71	6.97	9.18	0.76	4.64	2.81	0.001447	10.65614

CHANNEL HYDROGRAPH FOR ELEMENT NO: 5019

MASSIMA	PORTATA	12.35	AT TIME	0.85
MASSIMA	QUOTA PELO LIBERO	374.51	AT TIME	1.08

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.95	0	0	0	0	0	0	0	0	0	0
0.1	371.98	0.03	0.05	0.01	0.1	0.89	0.11	0.89	28	0.008027	8.94455
0.2	372.02	0.08	0.28	0.06	0.23	2.12	0.11	2.12	28	0.005392	5.63611
0.3	372.09	0.14	0.38	0.2	0.52	3.18	0.16	3.13	22.15	0.005017	7.94238
0.4	372.2	0.25	0.46	0.44	0.95	3.76	0.25	3.58	14.2	0.001673	4.09889

0.5	372.5	0.55	0.71	1.64	2.3	4.39	0.52	3.79	6.86	0.005294	26.88231
0.6	373.37	1.42	1.08	6.06	5.61	6.24	0.9	4.4	3.09	0.005519	48.03517
0.7	373.98	2.03	1.15	9.47	8.26	10.27	0.8	4.6	2.26	0.005448	42.45778
0.8	374.34	2.39	1.13	11.19	9.93	10.27	0.97	4.6	1.92	0.004665	43.71967
0.9	374.45	2.5	1.13	11.92	10.57	10.27	1.03	4.6	1.84	0.003484	34.76418
1	374.48	2.53	1.06	11.39	10.74	10.27	1.05	4.6	1.81	0.003766	38.20131
1.1	374.5	2.55	0.99	10.73	10.86	10.27	1.06	4.6	1.8	0.003262	33.43584
1.2	374.49	2.54	0.97	10.5	10.83	10.27	1.06	4.6	1.81	0.002496	25.52295
1.3	374.45	2.5	0.95	10.11	10.68	10.27	1.04	4.6	1.84	0.002645	26.66454
1.4	374.39	2.44	0.94	9.84	10.44	10.27	1.02	4.6	1.88	0.002685	26.46683
1.5	374.32	2.38	0.95	9.67	10.13	10.27	0.99	4.6	1.93	0.002942	28.13228
1.6	374.25	2.3	0.96	9.42	9.78	10.27	0.95	4.6	2	0.003107	28.70131
1.7	374.18	2.23	0.97	9.21	9.45	10.27	0.92	4.6	2.06	0.003239	28.88879
1.8	374.11	2.16	1	9.16	9.12	10.27	0.89	4.6	2.12	0.003713	31.96841
1.9	374.04	2.1	1.04	9.13	8.79	10.27	0.86	4.6	2.19	0.004047	33.56743
2	373.98	2.03	1.06	9	8.47	10.27	0.82	4.6	2.27	0.004258	34.04029
2.1	373.93	1.98	1.08	8.9	8.24	10.27	0.8	4.6	2.32	0.004528	35.20281
2.2	373.87	1.93	1.11	8.86	7.97	10.27	0.78	4.6	2.39	0.004843	36.42627
2.3	373.84	1.89	1.13	8.77	7.79	10.27	0.76	4.6	2.43	0.004971	36.54803
2.4	373.82	1.87	1.13	8.73	7.7	10.27	0.75	4.6	2.46	0.005055	36.72835
2.5	373.81	1.86	1.14	8.72	7.65	10.27	0.74	4.6	2.47	0.005137	37.07717

CHANNEL HYDROGRAPH FOR ELEMENT NO: 5020

MASSIMA PORTATA 12.23 AT TIME 0.85
MASSIMA QUOTA PELO LIBERO 374.42 AT TIME 1.11

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.76	0	0	0	0	0	0	0	0	0	0
0.1	371.77	0.01	0	0	0	0	0	0	0	0.009155	0
0.2	371.89	0.13	0.17	0.05	0.31	4	0.08	3.92	29.13	0.004242	3.17648
0.3	371.99	0.23	0.26	0.18	0.72	4.37	0.16	4.13	17.77	0.003852	6.14318
0.4	372.11	0.35	0.34	0.42	1.23	4.61	0.27	4.16	11.89	0.003301	8.55687
0.5	372.37	0.61	0.59	1.58	2.66	5.14	0.52	4.21	6.88	0.006876	34.48219
0.6	373.17	1.42	0.99	5.97	6.06	6.75	0.9	4.39	3.1	0.007804	67.8985
0.7	373.76	2	1.07	9.37	8.74	11.25	0.78	4.48	2.24	0.007904	59.554
0.8	374.14	2.39	1.06	11.14	10.53	11.25	0.94	4.48	1.88	0.00656	59.53802
0.9	374.31	2.55	1.05	11.85	11.33	11.25	1.01	4.48	1.75	0.004819	47.03979
1	374.36	2.6	0.98	11.32	11.55	11.25	1.03	4.48	1.72	0.004699	46.7831
1.1	374.39	2.63	0.91	10.66	11.69	11.25	1.04	4.48	1.7	0.004011	40.42692
1.2	374.4	2.64	0.89	10.46	11.71	11.25	1.04	4.48	1.7	0.002757	27.83638
1.3	374.37	2.61	0.87	10.1	11.59	11.25	1.03	4.48	1.72	0.002801	27.9782
1.4	374.32	2.56	0.87	9.87	11.35	11.25	1.01	4.48	1.75	0.00286	27.98386
1.5	374.25	2.49	0.89	9.75	11.02	11.25	0.98	4.48	1.8	0.003061	29.06609
1.6	374.17	2.41	0.9	9.6	10.65	11.25	0.95	4.48	1.86	0.003134	28.77251
1.7	374.09	2.33	0.92	9.44	10.29	11.25	0.92	4.48	1.92	0.003258	28.8951
1.8	374.02	2.26	0.95	9.4	9.93	11.25	0.88	4.48	1.99	0.003903	33.41201
1.9	373.94	2.18	0.98	9.34	9.56	11.25	0.85	4.48	2.06	0.004219	34.77321
2	373.86	2.11	0.99	9.16	9.22	11.25	0.82	4.48	2.13	0.004306	34.21181
2.1	373.81	2.05	1.01	9.09	8.96	11.25	0.8	4.48	2.19	0.004745	36.63802
2.2	373.75	1.99	1.04	9	8.66	11.25	0.77	4.48	2.26	0.004973	37.12806
2.3	373.7	1.95	1.05	8.86	8.47	11.25	0.75	4.48	2.3	0.005242	38.24616
2.4	373.68	1.92	1.05	8.79	8.37	11.25	0.74	4.48	2.33	0.005114	36.87189
2.5	373.67	1.91	1.05	8.75	8.31	11.25	0.74	4.48	2.34	0.005284	37.84695

CHANNEL HYDROGRAPH FOR ELEMENT NO: 5021

MASSIMA PORTATA 11.95 AT TIME 0.86
MASSIMA QUOTA PELO LIBERO 374.41 AT TIME 1.11

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.74	0	0	0	0	0	0	0	0	0	0
0.1	371.74	0	0	0	0	0	0	0	0	0	0
0.2	371.86	0.12	0.16	0.04	0.26	3.18	0.08	3.15	25.3	0.001532	1.19522
0.3	371.97	0.23	0.27	0.17	0.63	4.43	0.14	4.29	18.31	0.00127	1.74986
0.4	372.09	0.36	0.34	0.4	1.17	4.88	0.24	4.54	12.75	0.000891	2.07664
0.5	372.36	0.62	0.56	1.5	2.7	5.41	0.5	4.6	7.44	0.00116	5.60607
0.6	373.17	1.43	0.91	5.88	6.44	7.04	0.91	4.79	3.34	0.000675	5.98842
0.7	373.76	2.02	0.98	9.15	9.34	11.39	0.82	4.87	2.41	0.00076	6.04734
0.8	374.14	2.4	0.96	10.85	11.3	11.39	0.99	4.87	2.02	0.000661	6.35841
0.9	374.31	2.57	0.96	11.62	12.16	11.39	1.07	4.87	1.89	0.000457	4.72792
1	374.36	2.62	0.9	11.18	12.4	11.39	1.09	4.87	1.86	0.0005	5.2753

1.1	374.39	2.65	0.84	10.55	12.55	11.39	1.1	4.87	1.84	0.000355	3.79111
1.2	374.4	2.66	0.83	10.41	12.57	11.39	1.1	4.87	1.83	0.00042	4.49788
1.3	374.37	2.63	0.81	10.09	12.44	11.39	1.09	4.87	1.85	0.000297	3.14902
1.4	374.32	2.58	0.81	9.89	12.18	11.39	1.07	4.87	1.89	0.000274	2.84655
1.5	374.25	2.51	0.83	9.82	11.82	11.39	1.04	4.87	1.94	0.000225	2.26552
1.6	374.17	2.43	0.85	9.74	11.43	11.39	1	4.87	2	0.000246	2.39409
1.7	374.09	2.35	0.87	9.63	11.03	11.39	0.97	4.87	2.07	0.00026	2.44248
1.8	374.01	2.28	0.9	9.6	10.64	11.39	0.93	4.87	2.14	0.000534	4.8373
1.9	373.93	2.2	0.93	9.52	10.24	11.39	0.9	4.87	2.22	0.000522	4.55182
2	373.86	2.12	0.95	9.34	9.86	11.39	0.87	4.87	2.29	0.000497	4.17531
2.1	373.8	2.07	0.96	9.21	9.58	11.39	0.84	4.87	2.36	0.000658	5.36408
2.2	373.74	2	0.98	9.06	9.26	11.39	0.81	4.87	2.43	0.00071	5.59937
2.3	373.7	1.96	0.98	8.88	9.04	11.39	0.79	4.87	2.48	0.000735	5.65718
2.4	373.68	1.94	0.98	8.8	8.94	11.39	0.78	4.87	2.51	0.00069	5.24929
2.5	373.67	1.93	0.99	8.76	8.88	11.39	0.78	4.87	2.53	0.000757	5.71729

CHANNEL HYDROGRAPH FOR ELEMENT NO: 5022

MASSIMA PORTATA 11.69 AT TIME 0.91
MASSIMA QUOTA PELO LIBERO 374.41 AT TIME 1.11

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.73	0	0	0	0	0	0	0	0	0	0
0.1	371.73	0	0	0	0	0	0	0	0	0	0
0.2	371.82	0.09	0.13	0.03	0.24	2.74	0.09	2.72	30.07	0.00199	1.66944
0.3	371.95	0.22	0.29	0.16	0.56	4	0.14	3.87	17.69	0.001649	2.22804
0.4	372.08	0.35	0.35	0.38	1.1	4.99	0.22	4.74	13.67	0.001066	2.2843
0.5	372.34	0.61	0.53	1.42	2.69	5.6	0.48	4.9	8.02	0.001138	5.30416
0.6	373.16	1.44	0.85	5.77	6.78	7.26	0.93	5.14	3.58	0.000649	5.87617
0.7	373.75	2.03	0.91	8.99	9.91	11.44	0.87	5.23	2.58	0.00046	3.86042
0.8	374.14	2.42	0.87	10.51	12.02	11.44	1.05	5.23	2.17	0.00047	4.78728
0.9	374.31	2.59	0.88	11.35	12.96	11.44	1.13	5.23	2.02	0.00043	4.7241
1	374.36	2.63	0.83	11	13.21	11.44	1.15	5.23	1.99	0.000261	2.91629
1.1	374.39	2.66	0.78	10.42	13.37	11.44	1.17	5.23	1.97	0.000347	3.93411
1.2	374.39	2.67	0.77	10.33	13.39	11.44	1.17	5.23	1.96	0.000447	5.07563
1.3	374.37	2.64	0.76	10.06	13.24	11.44	1.16	5.23	1.98	0.000438	4.91261
1.4	374.32	2.59	0.76	9.9	12.97	11.44	1.13	5.23	2.02	0.000177	1.94035
1.5	374.25	2.52	0.78	9.86	12.58	11.44	1.1	5.23	2.08	0.000256	2.73029
1.6	374.17	2.44	0.81	9.85	12.16	11.44	1.06	5.23	2.14	0.000307	3.16198
1.7	374.09	2.36	0.83	9.79	11.73	11.44	1.03	5.23	2.22	0.00033	3.28122
1.8	374.01	2.28	0.86	9.76	11.31	11.44	0.99	5.23	2.29	0.000495	4.7392
1.9	373.93	2.2	0.89	9.72	10.87	11.44	0.95	5.23	2.37	0.000489	4.50149
2	373.86	2.13	0.9	9.41	10.47	11.44	0.92	5.23	2.46	0.000422	3.74655
2.1	373.8	2.07	0.91	9.23	10.16	11.44	0.89	5.23	2.52	0.000628	5.41023
2.2	373.74	2.01	0.92	9.08	9.81	11.44	0.86	5.23	2.6	0.000604	5.01947
2.3	373.69	1.97	0.93	8.89	9.58	11.44	0.84	5.23	2.66	0.000545	4.42249
2.4	373.67	1.94	0.93	8.81	9.46	11.44	0.83	5.23	2.69	0.000696	5.57796
2.5	373.66	1.93	0.93	8.76	9.4	11.44	0.82	5.23	2.71	0.000623	4.96344

CHANNEL HYDROGRAPH FOR ELEMENT NO: 5023

MASSIMA PORTATA 11.35 AT TIME 0.91
MASSIMA QUOTA PELO LIBERO 374.41 AT TIME 1.09

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.71	0	0	0	0	0	0	0	0	0	0
0.1	371.71	0	0	0	0	0	0	0	0	0	0
0.2	371.77	0.06	0.09	0.02	0.23	1.97	0.12	1.96	33.09	0.002074	2.31224
0.3	371.91	0.21	0.27	0.15	0.56	3.73	0.15	3.61	17.54	0.001638	2.36219
0.4	372.05	0.34	0.32	0.36	1.12	4.62	0.24	4.37	12.7	0.001005	2.36941
0.5	372.32	0.61	0.47	1.31	2.78	5.8	0.48	5.22	8.51	0.001016	4.71413
0.6	373.16	1.45	0.77	5.64	7.28	7.5	0.97	5.51	3.8	0.000677	6.36818
0.7	373.75	2.04	0.83	8.81	10.67	11.49	0.93	5.61	2.74	0.000367	3.30224
0.8	374.14	2.44	0.78	10.09	12.95	11.49	1.13	5.61	2.3	0.000317	3.46226
0.9	374.31	2.61	0.78	10.95	13.97	11.49	1.22	5.61	2.15	0.000326	3.83803
1	374.36	2.65	0.75	10.71	14.24	11.49	1.24	5.61	2.11	0.000256	3.07746
1.1	374.39	2.68	0.71	10.18	14.41	11.49	1.25	5.61	2.09	0.000293	3.56028
1.2	374.39	2.69	0.71	10.19	14.43	11.49	1.26	5.61	2.09	0.00023	2.80287
1.3	374.37	2.66	0.7	10	14.27	11.49	1.24	5.61	2.11	0.000309	3.72225
1.4	374.32	2.61	0.71	9.9	13.98	11.49	1.22	5.61	2.15	0.000251	2.95493
1.5	374.25	2.54	0.73	9.88	13.56	11.49	1.18	5.61	2.21	0.000279	3.19677
1.6	374.17	2.46	0.76	9.95	13.1	11.49	1.14	5.61	2.28	0.000269	2.97058

1.7	374.09	2.38	0.79	9.99	12.64	11.49	1.1	5.61	2.36	0.000341	3.63628
1.8	374.01	2.3	0.82	9.98	12.18	11.49	1.06	5.61	2.44	0.000456	4.68219
1.9	373.93	2.22	0.84	9.79	11.71	11.49	1.02	5.61	2.52	0.000435	4.29189
2	373.85	2.15	0.84	9.43	11.27	11.49	0.98	5.61	2.61	0.000213	2.02752
2.1	373.8	2.09	0.85	9.26	10.94	11.49	0.95	5.61	2.68	0.000531	4.90144
2.2	373.73	2.02	0.86	9.1	10.56	11.49	0.92	5.61	2.77	0.000516	4.59217
2.3	373.69	1.98	0.86	8.91	10.31	11.49	0.9	5.61	2.83	0.000538	4.67648
2.4	373.67	1.96	0.87	8.81	10.18	11.49	0.89	5.61	2.86	0.000606	5.20452
2.5	373.66	1.95	0.87	8.76	10.11	11.49	0.88	5.61	2.88	0.000528	4.50195

CHANNEL HYDROGRAPH FOR ELEMENT NO: 5114

MASSIMA PORTATA 10.94 AT TIME 0.9
MASSIMA QUOTA PELO LIBERO 374.4 AT TIME 1.13

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.69	0	0	0	0	0	0	0	0	0	0
0.1	371.69	0	0	0	0	0	0	0	0	0	0
0.2	371.72	0.03	0.04	0.01	0.07	1.1	0	1.09	0	0.001965	0
0.3	371.88	0.19	0.24	0.13	0.54	3.8	0.14	3.65	18.84	0.001355	1.88355
0.4	372.03	0.34	0.28	0.32	1.18	4.67	0.25	4.39	12.79	0.000789	1.92767
0.5	372.3	0.62	0.4	1.18	2.93	6.19	0.47	5.63	9.15	0.000656	3.00633
0.6	373.15	1.46	0.69	5.45	7.93	7.98	0.99	6.01	4.1	0.000325	3.13021
0.7	373.75	2.06	0.74	8.62	11.62	11.74	0.99	6.08	2.95	0.000137	1.31427
0.8	374.14	2.46	0.69	9.8	14.1	11.74	1.2	6.08	2.48	0.000103	1.19894
0.9	374.32	2.63	0.69	10.49	15.22	11.74	1.3	6.08	2.31	0.000081	1.02095
1	374.36	2.67	0.67	10.32	15.5	11.74	1.32	6.08	2.27	0.000284	3.64034
1.1	374.39	2.7	0.63	9.84	15.68	11.74	1.34	6.08	2.25	0	0
1.2	374.39	2.71	0.63	9.96	15.71	11.74	1.34	6.08	2.25	0	0
1.3	374.37	2.68	0.64	9.89	15.54	11.74	1.32	6.08	2.27	0	0
1.4	374.32	2.63	0.65	9.87	15.22	11.74	1.3	6.08	2.31	0.000094	1.18077
1.5	374.25	2.56	0.67	9.91	14.76	11.74	1.26	6.08	2.38	0	0
1.6	374.17	2.48	0.71	10.08	14.26	11.74	1.22	6.08	2.45	0	0
1.7	374.09	2.4	0.74	10.13	13.76	11.74	1.17	6.08	2.53	0	0
1.8	374.01	2.32	0.76	10.09	13.26	11.74	1.13	6.08	2.62	0.000119	1.30136
1.9	373.93	2.24	0.77	9.86	12.75	11.74	1.09	6.08	2.71	0.000081	0.84782
2	373.85	2.16	0.77	9.46	12.27	11.74	1.05	6.08	2.81	0	0
2.1	373.8	2.11	0.78	9.28	11.91	11.74	1.01	6.08	2.88	0.000098	0.96851
2.2	373.73	2.04	0.79	9.12	11.5	11.74	0.98	6.08	2.98	0.00012	1.13819
2.3	373.69	2	0.79	8.92	11.22	11.74	0.96	6.08	3.04	0.000189	1.75579
2.4	373.66	1.98	0.8	8.82	11.08	11.74	0.94	6.08	3.08	0.000173	1.58081
2.5	373.65	1.96	0.8	8.77	11	11.74	0.94	6.08	3.09	0.000167	1.51541

CHANNEL HYDROGRAPH FOR ELEMENT NO: 5205

MASSIMA PORTATA 10.39 AT TIME 1.7
MASSIMA QUOTA PELO LIBERO 374.4 AT TIME 1.14

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.67	0	0	0	0	0	0	0	0	0	0
0.1	371.67	0	0	0	0	0	0	0	0	0	0
0.2	371.68	0.01	0.01	0	0.02	0.42	0	0.41	0	0.004567	0
0.3	371.85	0.19	0.25	0.11	0.45	4.01	0.11	3.91	21.13	0.001117	1.2058
0.4	372.02	0.35	0.27	0.29	1.09	4.89	0.22	4.63	13.34	0.000648	1.40419
0.5	372.29	0.62	0.4	1.06	2.67	6.4	0.42	5.87	9.4	0.000319	1.29058
0.6	373.15	1.48	0.71	5.26	7.42	8.52	0.87	6.57	4.43	0	0
0.7	373.75	2.08	0.76	8.4	11.01	12.04	0.91	6.6	3.17	0	0
0.8	374.14	2.48	0.7	9.39	13.42	12.04	1.11	6.6	2.67	0	0
0.9	374.32	2.65	0.68	9.88	14.52	12.04	1.21	6.6	2.49	0	0
1	374.36	2.69	0.66	9.73	14.79	12.04	1.23	6.6	2.45	0.000158	1.87896
1.1	374.39	2.72	0.63	9.4	14.97	12.04	1.24	6.6	2.42	0	0
1.2	374.39	2.73	0.64	9.66	14.99	12.04	1.24	6.6	2.42	0	0
1.3	374.37	2.7	0.65	9.7	14.82	12.04	1.23	6.6	2.45	0	0
1.4	374.32	2.65	0.68	9.8	14.51	12.04	1.2	6.6	2.49	0	0
1.5	374.25	2.58	0.71	9.93	14.07	12.04	1.17	6.6	2.56	0	0
1.6	374.17	2.5	0.75	10.12	13.58	12.04	1.13	6.6	2.64	0	0
1.7	374.09	2.42	0.78	10.2	13.08	12.04	1.09	6.6	2.73	0	0
1.8	374.01	2.34	0.81	10.19	12.6	12.04	1.05	6.6	2.82	0	0
1.9	373.93	2.26	0.83	10	12.1	12.04	1	6.6	2.92	0	0
2	373.85	2.18	0.82	9.58	11.63	12.04	0.97	6.6	3.02	0	0
2.1	373.8	2.13	0.83	9.39	11.28	12.04	0.94	6.6	3.1	0	0
2.2	373.73	2.06	0.85	9.23	10.87	12.04	0.9	6.6	3.2	0	0

2.3	373.69	2.02	0.85	9.01	10.6	12.04	0.88	6.6	3.27	0	0
2.4	373.66	2	0.85	8.89	10.46	12.04	0.87	6.6	3.31	0	0
2.5	373.65	1.98	0.85	8.84	10.39	12.04	0.86	6.6	3.33	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 5295

MASSIMA PORTATA 10.48 AT TIME 1.7
MASSIMA QUOTA PELO LIBERO 374.4 AT TIME 1.09

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.64	0	0	0	0	0	0	0	0	0	0
0.1	371.64	0	0	0	0	0	0	0	0	0	0
0.2	371.64	0	0	0	0	0	0	0	0	0	0
0.3	371.81	0.18	0.24	0.09	0.39	3.2	0.12	3.09	17.49	0.001086	1.27818
0.4	372	0.36	0.28	0.27	0.96	3.87	0.25	3.55	9.77	0.000615	1.47911
0.5	372.28	0.64	0.44	0.96	2.17	4.84	0.45	4.22	6.56	0.00055	2.39258
0.6	373.14	1.5	0.86	5.12	5.94	7.38	0.81	5.61	3.73	0	0
0.7	373.74	2.1	0.92	8.24	8.99	11.86	0.76	5.7	2.71	0	0
0.8	374.14	2.5	0.82	9.07	11.1	11.86	0.94	5.7	2.28	0	0
0.9	374.32	2.68	0.77	9.28	12.06	11.86	1.02	5.7	2.13	0	0
1	374.36	2.72	0.74	9.16	12.3	11.86	1.04	5.7	2.09	0	0
1.1	374.39	2.75	0.72	8.97	12.44	11.86	1.05	5.7	2.07	0	0
1.2	374.39	2.75	0.75	9.36	12.45	11.86	1.05	5.7	2.07	0	0
1.3	374.36	2.73	0.77	9.54	12.3	11.86	1.04	5.7	2.09	0	0
1.4	374.31	2.68	0.81	9.74	12.03	11.86	1.01	5.7	2.13	0	0
1.5	374.24	2.6	0.85	9.95	11.64	11.86	0.98	5.7	2.19	0	0
1.6	374.16	2.52	0.91	10.18	11.21	11.86	0.95	5.7	2.26	0	0
1.7	374.08	2.44	0.95	10.29	10.78	11.86	0.91	5.7	2.33	0	0
1.8	374	2.36	1	10.31	10.35	11.86	0.87	5.7	2.41	0	0
1.9	373.92	2.28	1.02	10.14	9.91	11.86	0.84	5.7	2.5	0	0
2	373.84	2.21	1.02	9.7	9.51	11.86	0.8	5.7	2.59	0	0
2.1	373.78	2.15	1.03	9.5	9.19	11.86	0.78	5.7	2.66	0	0
2.2	373.72	2.08	1.05	9.26	8.85	11.86	0.75	5.7	2.74	0	0
2.3	373.67	2.04	1.05	9.02	8.61	11.86	0.73	5.7	2.8	0	0
2.4	373.65	2.01	1.05	8.9	8.49	11.86	0.72	5.7	2.83	0	0
2.5	373.64	2	1.05	8.84	8.43	11.86	0.71	5.7	2.85	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 5386

MASSIMA PORTATA 10.65 AT TIME 1.7
MASSIMA QUOTA PELO LIBERO 374.39 AT TIME 1.09

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.61	0	0	0	0	0	0	0	0	0	0
0.1	371.61	0	0	0	0	0	0	0	0	0	0
0.2	371.61	0	0	0	0	0	0	0	0	0	0
0.3	371.77	0.16	0.2	0.07	0.36	2.76	0.13	2.63	16.56	0.001045	1.32093
0.4	371.99	0.38	0.3	0.25	0.83	3.36	0.25	2.96	7.8	0.000828	1.97987
0.5	372.26	0.65	0.51	0.89	1.74	4.12	0.42	3.36	5.14	0.001422	5.83897
0.6	373.11	1.5	1.12	5.01	4.48	6.45	0.69	4.62	3.07	0.000224	1.50662
0.7	373.72	2.11	1.18	8.06	6.83	7.75	0.88	4.85	2.3	0	0
0.8	374.13	2.52	1.01	8.69	8.58	12	0.71	4.86	1.93	0.000109	0.754
0.9	374.3	2.7	0.93	8.71	9.39	12	0.78	4.86	1.8	0	0
1	374.35	2.74	0.9	8.67	9.59	12	0.8	4.86	1.77	0	0
1.1	374.38	2.77	0.88	8.58	9.71	12	0.81	4.86	1.75	0	0
1.2	374.38	2.77	0.94	9.13	9.71	12	0.81	4.86	1.75	0	0
1.3	374.35	2.74	0.98	9.42	9.58	12	0.8	4.86	1.77	0	0
1.4	374.3	2.69	1.04	9.71	9.34	12	0.78	4.86	1.8	0	0
1.5	374.22	2.62	1.11	10.01	9	12	0.75	4.86	1.86	0	0
1.6	374.14	2.53	1.19	10.29	8.62	12	0.72	4.86	1.92	0	0
1.7	374.06	2.45	1.27	10.44	8.24	12	0.69	4.86	1.98	0	0
1.8	373.97	2.36	1.34	10.54	7.87	12	0.66	4.86	2.05	0	0
1.9	373.89	2.28	1.39	10.43	7.49	12	0.62	4.86	2.13	0	0
2	373.81	2.2	1.39	9.97	7.17	12	0.6	4.86	2.2	0.000494	2.85984
2.1	373.75	2.14	1.4	9.69	6.91	12	0.58	4.86	2.27	0	0
2.2	373.69	2.08	1.41	9.38	6.65	7.68	0.87	4.85	2.33	0	0
2.3	373.64	2.03	1.41	9.1	6.47	7.59	0.85	4.84	2.38	0	0
2.4	373.62	2.01	1.4	8.95	6.37	7.54	0.84	4.84	2.41	0	0
2.5	373.61	2	1.41	8.88	6.32	7.52	0.84	4.84	2.42	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 5476

MASSIMA PORTATA 10.88 AT TIME 1.7
MASSIMA QUOTA PELO LIBERO 374.37 AT TIME 1.09

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.61	0	0	0	0	0	0	0	0	0	0
0.1	371.61	0	0	0	0	0	0	0	0	0	0
0.2	371.61	0	0	0	0	0	0	0	0	0	0
0.3	371.73	0.12	0.17	0.05	0.32	2.18	0.15	2	16.07	0.001162	1.64102
0.4	371.97	0.36	0.31	0.23	0.75	2.72	0.27	2.18	6.02	0.001326	3.53282
0.5	372.24	0.63	0.56	0.85	1.52	3.31	0.46	2.39	3.81	0.003095	13.75622
0.6	373.05	1.45	1.37	4.93	3.6	5.15	0.7	3.03	2.1	0.003148	21.33727
0.7	373.67	2.06	1.47	8	5.43	6.53	0.83	3.52	1.71	0.002088	16.82684
0.8	374.09	2.49	1.23	8.45	6.87	11.96	0.57	3.76	1.51	0.001346	7.49769
0.9	374.28	2.67	1.11	8.34	7.54	11.96	0.63	3.76	1.41	0.001409	8.61308
1	374.33	2.72	1.07	8.28	7.72	11.96	0.64	3.76	1.38	0.001135	7.09321
1.1	374.36	2.75	1.06	8.29	7.81	11.96	0.65	3.76	1.37	0.001241	7.85714
1.2	374.35	2.75	1.16	9.02	7.78	11.96	0.65	3.76	1.37	0.001596	10.06522
1.3	374.32	2.71	1.23	9.39	7.66	11.96	0.64	3.76	1.39	0.001735	10.76506
1.4	374.26	2.66	1.31	9.75	7.44	11.96	0.62	3.76	1.42	0.001914	11.5443
1.5	374.18	2.57	1.42	10.15	7.14	11.96	0.6	3.76	1.46	0.002475	14.32173
1.6	374.09	2.48	1.55	10.53	6.79	11.96	0.57	3.76	1.52	0.002997	16.4883
1.7	373.99	2.39	1.66	10.74	6.45	11.96	0.54	3.76	1.58	0.002916	15.24233
1.8	373.9	2.3	1.74	10.7	6.15	7.06	0.87	3.7	1.61	0.003322	28.07861
1.9	373.81	2.2	1.8	10.47	5.82	6.84	0.85	3.63	1.65	0.003784	31.1937
2	373.73	2.12	1.81	10.04	5.55	6.67	0.83	3.56	1.68	0.003774	30.44118
2.1	373.67	2.06	1.83	9.76	5.34	6.53	0.82	3.52	1.71	0.00366	29.036
2.2	373.61	2	1.83	9.41	5.16	6.4	0.81	3.47	1.73	0.003748	29.27538
2.3	373.57	1.96	1.82	9.12	5.01	6.3	0.8	3.44	1.76	0.003838	29.60498
2.4	373.54	1.93	1.82	8.96	4.94	6.24	0.79	3.42	1.77	0.003833	29.37132
2.5	373.53	1.92	1.82	8.89	4.89	6.21	0.79	3.41	1.77	0.003922	29.92677

CHANNEL HYDROGRAPH FOR ELEMENT NO: 5567

MASSIMA PORTATA 10.89 AT TIME 1.68
MASSIMA QUOTA PELO LIBERO 374.33 AT TIME 1.08

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.6	0	0	0	0	0	0	0	0	0	0
0.1	371.6	0	0	0	0	0	0	0	0	0	0
0.2	371.6	0	0	0	0	0	0	0	0	0	0
0.3	371.69	0.1	0.12	0.03	0.28	1.9	0.15	1.86	19.51	0.001477	2.08349
0.4	371.95	0.35	0.29	0.21	0.75	3.01	0.25	2.56	7.29	0.001439	3.46316
0.5	372.2	0.6	0.5	0.8	1.58	3.52	0.45	2.62	4.36	0.003717	16.1467
0.6	372.96	1.36	1.32	4.85	3.66	5.05	0.73	2.8	2.06	0.004474	31.45754
0.7	373.59	1.99	1.43	7.93	5.54	6.32	0.88	2.95	1.48	0.002928	24.87492
0.8	374.04	2.45	1.2	8.41	7.01	7.23	0.97	3.06	1.25	0.001936	18.17182
0.9	374.24	2.64	1.08	8.3	7.65	12.62	0.61	3.09	1.17	0.002293	13.46925
1	374.29	2.69	1.04	8.18	7.83	12.62	0.62	3.09	1.15	0.001612	9.68617
1.1	374.32	2.72	1.04	8.22	7.92	12.62	0.63	3.09	1.14	0.002003	12.18931
1.2	374.3	2.71	1.15	9.04	7.86	12.62	0.62	3.09	1.14	0.002505	15.12387
1.3	374.26	2.66	1.23	9.49	7.72	12.62	0.61	3.09	1.16	0.002904	17.20985
1.4	374.19	2.6	1.32	9.88	7.48	12.62	0.59	3.09	1.19	0.002991	17.1871
1.5	374.1	2.5	1.42	10.19	7.19	7.35	0.98	3.08	1.23	0.003494	33.12048
1.6	373.99	2.39	1.55	10.54	6.81	7.12	0.96	3.05	1.28	0.004454	41.32232
1.7	373.88	2.28	1.67	10.75	6.44	6.9	0.93	3.02	1.33	0.004677	42.35505
1.8	373.79	2.19	1.74	10.72	6.15	6.72	0.92	3	1.37	0.005035	44.6742
1.9	373.68	2.09	1.81	10.48	5.8	6.51	0.89	2.98	1.43	0.005664	48.92482
2	373.6	2	1.83	10.05	5.51	6.33	0.87	2.95	1.48	0.005366	45.25882
2.1	373.53	1.93	1.84	9.76	5.3	6.2	0.85	2.94	1.52	0.006017	49.86223
2.2	373.47	1.87	1.84	9.42	5.11	6.08	0.84	2.92	1.56	0.006035	49.18385
2.3	373.42	1.83	1.84	9.12	4.96	5.99	0.83	2.91	1.6	0.006004	48.25241
2.4	373.4	1.8	1.83	8.96	4.89	5.94	0.82	2.91	1.61	0.006014	47.97079
2.5	373.39	1.79	1.84	8.89	4.84	5.91	0.82	2.9	1.62	0.006199	49.2255

CHANNEL HYDROGRAPH FOR ELEMENT NO: 5658

MASSIMA PORTATA 10.90 AT TIME 1.68
MASSIMA QUOTA PELO LIBERO 374.31 AT TIME 1.04

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.6	0	0	0	0	0	0	0	0	0	0
0.1	371.6	0	0	0	0	0	0	0	0	0	0
0.2	371.6	0	0	0	0	0	0	0	0	0	0
0.3	371.66	0.06	0.09	0.02	0.23	1.42	0.16	1.41	22.86	0.00182	2.80996
0.4	371.93	0.33	0.27	0.19	0.73	3.23	0.22	2.86	8.68	0.001265	2.75797
0.5	372.17	0.57	0.46	0.75	1.63	3.73	0.44	2.93	5.11	0.002903	12.27121
0.6	372.9	1.3	1.24	4.77	3.86	5.21	0.74	3.15	2.41	0.002857	20.52323
0.7	373.56	1.96	1.31	7.87	6	6.53	0.92	3.34	1.7	0.001543	13.75256
0.8	374.03	2.43	1.09	8.36	7.66	7.48	1.03	3.47	1.43	0.001259	12.51
0.9	374.21	2.61	0.97	8.1	8.35	12.42	0.67	3.48	1.33	0.001433	9.3416
1	374.27	2.67	0.94	8.08	8.57	12.42	0.69	3.48	1.3	0.00093	6.21837
1.1	374.3	2.7	0.94	8.19	8.68	12.42	0.7	3.48	1.29	0.001255	8.49889
1.2	374.28	2.68	1.06	9.08	8.59	12.42	0.69	3.48	1.3	0.001564	10.48577
1.3	374.23	2.63	1.14	9.62	8.42	12.42	0.68	3.48	1.32	0.001882	12.36306
1.4	374.16	2.56	1.23	10.04	8.14	12.42	0.66	3.48	1.36	0.001985	12.61474
1.5	374.07	2.47	1.33	10.38	7.82	12.42	0.63	3.48	1.41	0.001797	10.9649
1.6	373.95	2.36	1.43	10.6	7.42	7.33	1.01	3.45	1.47	0.002226	21.84005
1.7	373.83	2.24	1.54	10.76	7	7.09	0.99	3.42	1.53	0.002689	25.72861
1.8	373.74	2.14	1.61	10.73	6.66	6.9	0.96	3.39	1.58	0.003024	28.27641
1.9	373.63	2.03	1.68	10.49	6.24	6.67	0.94	3.36	1.66	0.003594	32.60632
2	373.53	1.93	1.71	10.06	5.88	6.47	0.91	3.33	1.72	0.003927	34.56994
2.1	373.46	1.86	1.74	9.77	5.61	6.33	0.89	3.31	1.78	0.004395	37.75595
2.2	373.4	1.8	1.75	9.43	5.4	6.21	0.87	3.29	1.83	0.004515	38.0349
2.3	373.35	1.75	1.75	9.13	5.22	6.11	0.86	3.28	1.87	0.004553	37.73584
2.4	373.32	1.73	1.75	8.96	5.14	6.06	0.85	3.27	1.89	0.004589	37.71273
2.5	373.31	1.71	1.75	8.89	5.08	6.03	0.84	3.26	1.91	0.00473	38.65458

CHANNEL HYDROGRAPH FOR ELEMENT NO: 5659

MASSIMA PORTATA 10.95 AT TIME 1.68
MASSIMA QUOTA PELO LIBERO 374.3 AT TIME 1.04

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.6	0	0	0	0	0	0	0	0	0	0
0.1	371.6	0	0	0	0	0	0	0	0	0	0
0.2	371.6	0	0	0	0	0	0	0	0	0	0
0.3	371.63	0.04	0.06	0.01	0.16	0.82	0.2	0.82	23.08	0.002759	5.31751
0.4	371.91	0.31	0.24	0.18	0.75	3.37	0.22	3.06	9.91	0.001076	2.30243
0.5	372.15	0.56	0.41	0.71	1.74	3.87	0.45	3.15	5.67	0.002411	10.50318
0.6	372.87	1.27	1.14	4.7	4.13	5.33	0.78	3.39	2.67	0.002025	15.22486
0.7	373.55	1.95	1.19	7.81	6.54	6.7	0.98	3.62	1.86	0.000931	8.79512
0.8	374.02	2.42	0.98	8.2	8.35	12.18	0.69	3.76	1.55	0.000739	4.91211
0.9	374.2	2.6	0.87	7.94	9.09	12.18	0.75	3.76	1.44	0.000653	4.72407
1	374.26	2.67	0.86	7.99	9.34	12.18	0.77	3.76	1.41	0.000574	4.26551
1.1	374.29	2.7	0.86	8.16	9.45	12.18	0.78	3.76	1.39	0.000632	4.75437
1.2	374.27	2.67	0.98	9.12	9.35	12.18	0.77	3.76	1.41	0.000838	6.23992
1.3	374.22	2.62	1.07	9.76	9.15	12.18	0.75	3.76	1.43	0.001099	8.00695
1.4	374.14	2.54	1.15	10.2	8.84	12.18	0.73	3.76	1.48	0.00138	9.71394
1.5	374.05	2.45	1.24	10.54	8.48	12.18	0.7	3.76	1.53	0.001548	10.45232
1.6	373.94	2.35	1.34	10.8	8.06	12.18	0.66	3.76	1.6	0.001417	9.08936
1.7	373.83	2.23	1.42	10.83	7.62	7.27	1.05	3.72	1.67	0.001528	15.52374
1.8	373.73	2.13	1.48	10.76	7.24	7.07	1.02	3.69	1.73	0.001815	18.02206
1.9	373.61	2.01	1.55	10.51	6.77	6.83	0.99	3.65	1.81	0.002314	22.2546
2	373.5	1.9	1.59	10.07	6.34	6.6	0.96	3.61	1.9	0.002871	26.73147
2.1	373.41	1.81	1.63	9.78	6.02	6.43	0.94	3.58	1.97	0.00343	31.11533
2.2	373.35	1.75	1.64	9.43	5.77	6.3	0.92	3.56	2.03	0.003572	31.71289
2.3	373.3	1.7	1.64	9.13	5.57	6.19	0.9	3.54	2.08	0.003628	31.63941
2.4	373.27	1.67	1.64	8.96	5.47	6.14	0.89	3.53	2.11	0.003661	31.62737
2.5	373.25	1.66	1.64	8.89	5.41	6.11	0.89	3.52	2.13	0.003744	32.149

CHANNEL HYDROGRAPH FOR ELEMENT NO: 5660

MASSIMA PORTATA 11.19 AT TIME 1.96
MASSIMA QUOTA PELO LIBERO 374.3 AT TIME 1.04

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	371.59	0	0	0	0	0	0	0	0	0	0
0.1	371.59	0	0	0	0	0	0	0	0	0	0
0.2	371.59	0	0	0	0	0	0	0	0	0	0
0.3	371.6	0.01	0.01	0	0.02	0.34	0	0.34	0	0.004796	0
0.4	371.89	0.3	0.17	0.15	0.85	3.71	0.23	3.37	11.33	0.000589	1.30477
0.5	372.14	0.55	0.34	0.66	1.96	4.22	0.46	3.46	6.28	0.001898	8.53524
0.6	372.85	1.26	1.01	4.6	4.56	5.66	0.81	3.7	2.94	0.001549	12.10693
0.7	373.54	1.95	1.06	7.72	7.25	7.07	1.03	3.95	2.02	0.000834	8.29342
0.8	374.02	2.43	0.85	7.9	9.25	12.13	0.76	4.05	1.67	0.000443	3.26957
0.9	374.2	2.61	0.77	7.75	10.06	12.13	0.83	4.05	1.55	0.000499	4.00861
1	374.26	2.67	0.76	7.83	10.32	12.13	0.85	4.05	1.51	0.000414	3.41808
1.1	374.29	2.7	0.77	8.08	10.45	12.13	0.86	4.05	1.5	0.000472	3.93675
1.2	374.27	2.68	0.89	9.17	10.33	12.13	0.85	4.05	1.51	0.000666	5.49627
1.3	374.21	2.63	0.98	9.95	10.11	12.13	0.83	4.05	1.54	0.00092	7.42645
1.4	374.13	2.54	1.07	10.43	9.76	12.13	0.8	4.05	1.59	0.001053	8.20654
1.5	374.04	2.45	1.15	10.75	9.35	12.13	0.77	4.05	1.65	0.00148	11.06333
1.6	373.93	2.34	1.24	11.01	8.88	12.13	0.73	4.05	1.73	0.001489	10.56304
1.7	373.82	2.23	1.31	11.01	8.42	7.63	1.1	4.05	1.81	0.001288	13.76883
1.8	373.72	2.14	1.35	10.81	8.02	7.44	1.08	4.01	1.88	0.001223	12.7897
1.9	373.6	2.01	1.4	10.53	7.5	7.18	1.04	3.97	1.97	0.001663	16.83257
2	373.48	1.89	1.47	10.25	7	6.95	1.01	3.93	2.07	0.001587	15.50098
2.1	373.39	1.8	1.49	9.89	6.64	6.77	0.98	3.9	2.16	0.002085	19.8137
2.2	373.32	1.74	1.49	9.48	6.35	6.63	0.96	3.87	2.23	0.002336	21.70024
2.3	373.27	1.68	1.49	9.14	6.13	6.52	0.94	3.85	2.29	0.00246	22.4189
2.4	373.24	1.65	1.49	8.97	6.01	6.46	0.93	3.84	2.32	0.002506	22.60745
2.5	373.22	1.64	1.5	8.9	5.94	6.43	0.92	3.84	2.34	0.002493	22.34612

CHANNEL	HYDROGRAPH	FOR ELEMENT NO:	5751	
MASSIMA	PORTATA	11.35	AT TIME	1.56
MASSIMA	QUOTA PELO LIBERO	374.3	AT TIME	1.04

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.59	0	0	0	0	0	0	0	0	0	0
0.1	371.59	0	0	0	0	0	0	0	0	0	0
0.2	371.59	0	0	0	0	0	0	0	0	0	0
0.3	371.59	0	-0.01	0	0	0	0	0	0	0	0
0.4	371.87	0.28	0.1	0.11	1.15	4.07	0.28	3.69	13.21	0.000245	0.67303
0.5	372.13	0.54	0.28	0.6	2.17	4.6	0.47	3.8	7.04	0.001301	5.95013
0.6	372.83	1.24	0.9	4.5	5.01	6.04	0.83	4.08	3.28	0.000975	7.84477
0.7	373.54	1.95	0.95	7.56	7.98	7.48	1.07	4.36	2.24	0.000585	6.05026
0.8	374.02	2.43	0.75	7.62	10.16	12.07	0.84	4.43	1.83	0.000266	2.17363
0.9	374.2	2.61	0.69	7.56	11.04	12.07	0.91	4.43	1.7	0.00031	2.7498
1	374.26	2.67	0.67	7.63	11.32	12.07	0.94	4.43	1.66	0.000265	2.40763
1.1	374.29	2.7	0.7	7.98	11.45	12.07	0.95	4.43	1.64	0.000423	3.8917
1.2	374.26	2.68	0.81	9.21	11.32	12.07	0.94	4.43	1.66	0.000377	3.42756
1.3	374.21	2.62	0.91	10.13	11.07	12.07	0.92	4.43	1.69	0.00062	5.51296
1.4	374.13	2.54	1	10.66	10.69	12.07	0.89	4.43	1.75	0.000676	5.80288
1.5	374.03	2.44	1.07	10.98	10.24	12.07	0.85	4.43	1.81	0.000878	7.22235
1.6	373.92	2.33	1.16	11.23	9.71	12.07	0.8	4.43	1.9	0.00109	8.50762
1.7	373.81	2.22	1.22	11.25	9.22	12.07	0.76	4.43	2	0.001172	8.67636
1.8	373.72	2.13	1.26	11.11	8.8	12.07	0.73	4.43	2.08	0.000862	6.0876
1.9	373.59	2.01	1.3	10.72	8.25	7.6	1.09	4.39	2.19	0.000966	10.16369
2	373.47	1.88	1.35	10.36	7.67	7.34	1.05	4.34	2.31	0.001157	11.72927
2.1	373.38	1.79	1.37	9.96	7.28	7.16	1.02	4.3	2.4	0.001306	12.87893
2.2	373.31	1.72	1.37	9.52	6.97	7.02	0.99	4.27	2.48	0.001449	13.95132
2.3	373.25	1.67	1.36	9.16	6.72	6.9	0.97	4.25	2.55	0.001487	14.02738
2.4	373.23	1.64	1.36	8.98	6.59	6.84	0.96	4.24	2.59	0.001552	14.48604
2.5	373.21	1.62	1.37	8.91	6.5	6.81	0.96	4.23	2.61	0.001653	15.31771

CHANNEL	HYDROGRAPH	FOR ELEMENT NO:	5752	
MASSIMA	PORTATA	11.59	AT TIME	1.56
MASSIMA	QUOTA PELO LIBERO	374.3	AT TIME	1.04

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.59	0	0	0	0	0	0	0	0	0	0
0.1	371.59	0	0	0	0	0	0	0	0	0	0
0.2	371.59	0	0	0	0	0	0	0	0	0	0
0.3	371.61	0.02	-0.05	-0.01	0.06	0.78	0	0.76	0	0	0
0.4	371.85	0.27	0.05	0.08	1.42	4.44	0.32	4.08	15.31	0.000139	0.42905

0.5	372.12	0.53	0.24	0.55	2.32	4.98	0.47	4.18	7.88	0.00104	4.69967
0.6	372.82	1.23	0.82	4.38	5.35	6.4	0.83	4.43	3.6	0.000655	5.30203
0.7	373.54	1.95	0.87	7.4	8.52	7.86	1.08	4.69	2.41	0.000321	3.3699
0.8	374.02	2.43	0.68	7.4	10.84	12.01	0.9	4.72	1.94	0.000192	1.67899
0.9	374.2	2.61	0.62	7.33	11.76	12.01	0.98	4.72	1.81	0.000174	1.65709
1	374.26	2.67	0.61	7.33	12.06	12.01	1	4.72	1.76	0.00024	2.33772
1.1	374.29	2.7	0.64	7.83	12.2	12.01	1.02	4.72	1.74	0.000204	2.00613
1.2	374.26	2.67	0.77	9.23	12.06	12.01	1	4.72	1.76	0.000234	2.28031
1.3	374.21	2.62	0.87	10.28	11.79	12.01	0.98	4.72	1.8	0.000339	3.22398
1.4	374.12	2.54	0.96	10.96	11.38	12.01	0.95	4.72	1.86	0.000472	4.33501
1.5	374.03	2.44	1.03	11.24	10.9	12.01	0.91	4.72	1.94	0.000549	4.82774
1.6	373.91	2.32	1.11	11.45	10.33	12.01	0.86	4.72	2.03	0.000729	6.08125
1.7	373.8	2.21	1.16	11.39	9.8	12.01	0.82	4.72	2.14	0.001031	8.14874
1.8	373.7	2.12	1.21	11.26	9.34	12.01	0.78	4.72	2.23	0.000967	7.28803
1.9	373.59	2	1.24	10.88	8.77	7.97	1.1	4.71	2.36	0.00081	8.64366
2	373.46	1.87	1.28	10.48	8.17	7.7	1.06	4.67	2.49	0.001308	13.43666
2.1	373.37	1.78	1.29	9.98	7.73	7.53	1.03	4.63	2.6	0.001335	13.29381
2.2	373.3	1.71	1.29	9.53	7.39	7.38	1	4.61	2.69	0.001369	13.2827
2.3	373.24	1.66	1.29	9.17	7.12	7.27	0.98	4.59	2.77	0.001326	12.59633
2.4	373.21	1.63	1.29	8.99	6.98	7.21	0.97	4.58	2.81	0.001364	12.80432
2.5	373.2	1.61	1.29	8.91	6.89	7.17	0.96	4.57	2.84	0.001318	12.2787

CHANNEL HYDROGRAPH FOR ELEMENT NO: 5843

MASSIMA PORTATA 11.82 AT TIME 1.56
MASSIMA QUOTA PELO LIBERO 374.3 AT TIME 1.03

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.58	0	0	0	0	0	0	0	0	0	0
0.1	371.58	0	0	0	0	0	0	0	0	0	0
0.2	371.58	0	0	0	0	0	0	0	0	0	0
0.3	371.63	0.05	-0.09	-0.03	0.29	2.28	0.13	2.25	42.37	0	0
0.4	371.85	0.27	0.02	0.04	2.33	4.62	0.5	4.28	16.01	0	0
0.5	372.11	0.53	0.2	0.49	2.4	5.16	0.46	4.38	8.21	0.000842	3.78576
0.6	372.81	1.23	0.77	4.25	5.51	6.58	0.84	4.64	3.77	0.000556	4.51459
0.7	373.53	1.95	0.82	7.25	8.81	8.06	1.09	4.91	2.51	0.000234	2.47656
0.8	374.02	2.44	0.64	7.19	11.22	12.11	0.93	4.92	2.02	0.000102	0.91837
0.9	374.2	2.62	0.59	7.14	12.18	12.11	1.01	4.92	1.88	0.000095	0.92512
1	374.26	2.68	0.57	7.16	12.48	12.11	1.03	4.92	1.83	0.00022	2.1981
1.1	374.29	2.71	0.62	7.77	12.63	12.11	1.04	4.92	1.82	0.00009	0.90575
1.2	374.26	2.68	0.74	9.25	12.48	12.11	1.03	4.92	1.84	0.00018	1.79937
1.3	374.2	2.63	0.85	10.38	12.19	12.11	1.01	4.92	1.87	0.000262	2.55154
1.4	374.12	2.54	0.95	11.11	11.76	12.11	0.97	4.92	1.94	0.000428	4.02811
1.5	374.02	2.44	1.01	11.38	11.26	12.11	0.93	4.92	2.02	0.000599	5.40087
1.6	373.9	2.32	1.09	11.57	10.66	12.11	0.88	4.92	2.12	0.000823	7.026
1.7	373.79	2.21	1.14	11.47	10.09	12.11	0.83	4.92	2.23	0.000898	7.25254
1.8	373.69	2.11	1.18	11.33	9.61	12.11	0.79	4.92	2.33	0.0011	8.45752
1.9	373.57	2	1.21	10.94	9.02	12.11	0.74	4.92	2.47	0.000936	6.76047
2	373.45	1.87	1.25	10.5	8.41	7.88	1.07	4.88	2.61	0.00128	13.23602
2.1	373.35	1.77	1.26	10	7.93	7.69	1.03	4.84	2.73	0.001306	13.06406
2.2	373.28	1.7	1.26	9.54	7.58	7.54	1	4.82	2.83	0.001246	12.13398
2.3	373.22	1.64	1.26	9.17	7.29	7.42	0.98	4.79	2.92	0.001307	12.43901
2.4	373.19	1.61	1.26	8.99	7.14	7.36	0.97	4.78	2.97	0.001347	12.65681
2.5	373.17	1.59	1.26	8.91	7.05	7.32	0.96	4.78	3	0.001303	12.15442

CHANNEL HYDROGRAPH FOR ELEMENT NO: 5933

MASSIMA PORTATA 11.89 AT TIME 1.56
MASSIMA QUOTA PELO LIBERO 374.29 AT TIME 1.04

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.58	0	0	0	0	0	0	0	0	0	0
0.1	371.58	0	0	0	0	0	0	0	0	0	0
0.2	371.58	0	-0.01	0	0	0	0	0	0	0	0
0.3	371.67	0.09	-0.11	-0.04	0.36	4.09	0.09	4.03	43.8	0	0
0.4	371.84	0.26	-0.01	0.01	0.95	4.71	0.2	4.38	16.95	0	0
0.5	372.11	0.53	0.18	0.44	2.42	5.25	0.46	4.48	8.49	0.000715	3.19755
0.6	372.8	1.22	0.74	4.14	5.6	6.67	0.84	4.74	3.89	0.000572	4.65379
0.7	373.53	1.95	0.79	7.12	8.99	8.15	1.1	5.02	2.58	0.000221	2.36266
0.8	374.01	2.44	0.61	7.03	11.46	12.13	0.95	5.03	2.06	0.000109	0.99513
0.9	374.2	2.62	0.56	7	12.44	12.13	1.03	5.03	1.92	0.000189	1.87881
1	374.26	2.68	0.56	7.09	12.75	12.13	1.05	5.03	1.88	0	0

1.1	374.29	2.71	0.6	7.75	12.9	12.13	1.06	5.03	1.86	0.000269	2.7687
1.2	374.26	2.68	0.73	9.27	12.74	12.13	1.05	5.03	1.88	0.000347	3.52779
1.3	374.2	2.62	0.84	10.42	12.44	12.13	1.03	5.03	1.92	0.000216	2.14382
1.4	374.11	2.53	0.93	11.17	11.99	12.13	0.99	5.03	1.99	0.000583	5.58407
1.5	374.01	2.43	1	11.46	11.48	12.13	0.95	5.03	2.07	0.000712	6.52525
1.6	373.89	2.31	1.07	11.66	10.85	12.13	0.89	5.03	2.18	0.000782	6.77483
1.7	373.77	2.2	1.13	11.55	10.26	12.13	0.85	5.03	2.29	0.000877	7.18651
1.8	373.67	2.1	1.17	11.41	9.74	12.13	0.8	5.03	2.4	0.00121	9.41575
1.9	373.56	1.98	1.2	11.01	9.14	12.13	0.75	5.03	2.54	0.000784	5.72675
2	373.44	1.86	1.23	10.54	8.54	7.96	1.07	4.99	2.69	0.001225	12.72871
2.1	373.34	1.76	1.24	10.01	8.04	7.76	1.04	4.95	2.81	0.001168	11.72996
2.2	373.26	1.69	1.25	9.55	7.67	7.61	1.01	4.92	2.92	0.001109	10.82252
2.3	373.2	1.63	1.25	9.18	7.37	7.49	0.98	4.9	3.01	0.001179	11.23757
2.4	373.17	1.59	1.25	8.99	7.21	7.43	0.97	4.89	3.07	0.001339	12.59876
2.5	373.15	1.57	1.25	8.91	7.11	7.39	0.96	4.88	3.1	0.001323	12.34506

CHANNEL HYDROGRAPH FOR ELEMENT NO: 6023

MASSIMA PORTATA 11.92 AT TIME 1.53
MASSIMA QUOTA PELO LIBERO 374.3 AT TIME 1.04

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.58	0	0	0	0	0	0	0	0	0	0
0.1	371.58	0	0	0	0	0	0	0	0	0	0
0.2	371.6	0.02	-0.03	-0.01	0.05	0.83	0	0.82	0	0	0
0.3	371.7	0.12	-0.11	-0.05	0.45	4.47	0.1	4.38	36.62	0	0
0.4	371.83	0.26	-0.05	-0.03	0.64	4.79	0.13	4.47	17.51	0.000968	1.24792
0.5	372.1	0.52	0.16	0.4	2.48	5.33	0.47	4.58	8.81	0	0
0.6	372.79	1.21	0.71	4.03	5.71	6.74	0.85	4.85	4	0	0
0.7	373.52	1.95	0.76	6.98	9.21	8.24	1.12	5.14	2.64	0	0
0.8	374.01	2.44	0.58	6.85	11.78	12.14	0.97	5.14	2.11	0	0
0.9	374.2	2.62	0.53	6.83	12.79	12.14	1.05	5.14	1.96	0	0
1	374.26	2.68	0.53	6.97	13.1	12.14	1.08	5.14	1.92	0	0
1.1	374.29	2.71	0.58	7.67	13.25	12.14	1.09	5.14	1.9	0	0
1.2	374.26	2.68	0.71	9.25	13.08	12.14	1.08	5.14	1.92	0	0
1.3	374.2	2.62	0.82	10.43	12.77	12.14	1.05	5.14	1.96	0	0
1.4	374.11	2.53	0.91	11.19	12.3	12.14	1.01	5.14	2.03	0	0
1.5	374.01	2.43	0.98	11.48	11.77	12.14	0.97	5.14	2.12	0	0
1.6	373.88	2.3	1.05	11.7	11.11	12.14	0.91	5.14	2.23	0	0
1.7	373.76	2.18	1.11	11.59	10.48	12.14	0.86	5.14	2.35	0.000145	1.21693
1.8	373.66	2.08	1.15	11.46	9.93	12.14	0.82	5.14	2.47	0.000451	3.57501
1.9	373.54	1.96	1.19	11.04	9.31	12.14	0.77	5.14	2.62	0.000255	1.89851
2	373.42	1.85	1.21	10.55	8.7	8.03	1.08	5.1	2.76	0.00071	7.46037
2.1	373.32	1.75	1.22	10.02	8.19	7.83	1.05	5.06	2.9	0.00068	6.88876
2.2	373.25	1.67	1.23	9.56	7.79	7.67	1.02	5.03	3.01	0.000735	7.23368
2.3	373.19	1.61	1.23	9.18	7.47	7.55	0.99	5	3.11	0.00088	8.44551
2.4	373.15	1.58	1.23	9	7.3	7.48	0.98	4.99	3.17	0.00105	9.93356
2.5	373.13	1.56	1.24	8.91	7.21	7.44	0.97	4.98	3.2	0.000756	7.09169

CHANNEL HYDROGRAPH FOR ELEMENT NO: 6113

MASSIMA PORTATA 20.79 AT TIME 1.01
MASSIMA QUOTA PELO LIBERO 374.29 AT TIME 1.05

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.57	0	0	0	0	0	0	0	0	0	0
0.1	371.57	0	0	0	0	0	0	0	0	0	0
0.2	371.63	0.07	0.04	0.01	0.17	2.61	0.07	2.57	39.42	0	0
0.3	371.71	0.14	0.13	0.06	0.43	4.3	0.1	4.17	28.99	0.000328	0.32043
0.4	371.84	0.28	0.29	0.3	1.03	4.92	0.21	4.59	16.62	0.00168	3.39915
0.5	372.09	0.52	0.55	1.16	2.12	5.42	0.39	4.7	8.97	0.003155	11.9639
0.6	372.78	1.21	1.16	6.05	5.2	6.84	0.76	5.01	4.13	0.005696	41.98878
0.7	373.52	1.95	1.34	11.7	8.76	12.17	0.72	5.33	2.73	0.006007	41.90854
0.8	374.01	2.44	1.37	15.49	11.29	12.17	0.93	5.33	2.18	0.006728	60.52881
0.9	374.2	2.63	1.53	18.62	12.17	12.17	1	5.33	2.03	0.006868	66.59097
1	374.26	2.69	1.59	19.68	12.37	12.17	1.02	5.33	1.98	0.008269	81.52986
1.1	374.28	2.72	1.59	19.78	12.47	12.17	1.02	5.33	1.96	0.008042	79.87269
1.2	374.25	2.68	1.58	19.56	12.36	12.17	1.02	5.33	1.98	0.007578	74.65209
1.3	374.19	2.62	1.54	18.69	12.16	12.17	1	5.33	2.03	0.00697	67.53091
1.4	374.1	2.53	1.46	17.36	11.86	12.17	0.97	5.33	2.1	0.005103	48.21267
1.5	374	2.43	1.39	15.86	11.45	12.17	0.94	5.33	2.19	0.005014	45.73784
1.6	373.87	2.31	1.36	14.65	10.8	12.17	0.89	5.33	2.31	0.005142	44.25952

1.7	373.75	2.18	1.33	13.5	10.17	12.17	0.84	5.33	2.44	0.005379	43.58699
1.8	373.65	2.08	1.32	12.73	9.62	12.17	0.79	5.33	2.57	0.005416	41.4912
1.9	373.53	1.96	1.33	11.9	8.97	12.17	0.74	5.33	2.72	0.005314	37.98999
2	373.41	1.84	1.33	11.12	8.38	8.13	1.03	5.29	2.87	0.005531	55.31041
2.1	373.31	1.74	1.33	10.4	7.84	7.92	0.99	5.24	3.01	0.005419	52.00326
2.2	373.23	1.66	1.32	9.81	7.43	7.76	0.96	5.21	3.13	0.005442	50.5292
2.3	373.17	1.6	1.32	9.35	7.1	7.63	0.93	5.18	3.24	0.005569	50.24802
2.4	373.13	1.57	1.31	9.09	6.92	7.56	0.92	5.17	3.3	0.005504	48.86259
2.5	373.11	1.55	1.31	8.96	6.83	7.52	0.91	5.16	3.33	0.005429	47.77608

CHANNEL HYDROGRAPH FOR ELEMENT NO: 6204

MASSIMA PORTATA 20.78 AT TIME 1.03
MASSIMA QUOTA PELO LIBERO 373.89 AT TIME 1.03

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.57	0	0	0	0	0	0	0	0	0	0
0.1	371.57	0	0	0	0	0	0	0	0	0	0
0.2	371.59	0.02	0.01	0	0.05	0.9	0	0.88	0	0.002867	0
0.3	371.69	0.12	0.15	0.05	0.33	4.25	0.08	4.14	33.43	0.001247	0.93568
0.4	371.8	0.23	0.32	0.27	0.84	4.96	0.17	4.68	19.96	0.001807	2.95039
0.5	372.01	0.44	0.62	1.12	1.8	5.39	0.33	4.77	10.79	0.004749	15.41285
0.6	372.56	0.99	1.32	5.92	4.49	6.51	0.69	5.02	5.07	0.008341	55.75301
0.7	373.25	1.68	1.43	11.59	8.1	7.92	1.02	5.34	3.18	0.00878	86.99629
0.8	373.7	2.13	1.46	15.53	10.61	12.22	0.87	5.44	2.55	0.009777	82.32469
0.9	373.84	2.28	1.66	18.83	11.38	12.22	0.93	5.44	2.39	0.011166	100.80096
1	373.86	2.3	1.74	19.96	11.45	12.22	0.94	5.44	2.37	0.012348	112.23431
1.1	373.87	2.3	1.76	20.15	11.48	12.22	0.94	5.44	2.36	0.012397	112.89981
1.2	373.86	2.29	1.74	19.93	11.45	12.22	0.94	5.44	2.37	0.011259	102.28519
1.3	373.85	2.28	1.67	18.99	11.38	12.22	0.93	5.44	2.39	0.009751	88.05484
1.4	373.82	2.26	1.56	17.57	11.28	12.22	0.92	5.44	2.41	0.007295	65.32176
1.5	373.77	2.2	1.46	16.06	11.02	12.22	0.9	5.44	2.47	0.006724	58.80362
1.6	373.66	2.09	1.43	14.82	10.39	12.22	0.85	5.44	2.6	0.00649	53.5024
1.7	373.55	1.98	1.4	13.61	9.75	12.22	0.8	5.44	2.75	0.006378	49.34966
1.8	373.45	1.88	1.39	12.83	9.22	8.33	1.11	5.43	2.89	0.006048	64.87444
1.9	373.33	1.76	1.39	11.93	8.56	8.09	1.06	5.37	3.05	0.005962	61.16555
2	373.22	1.65	1.4	11.14	7.97	7.87	1.01	5.32	3.22	0.005944	58.3877
2.1	373.12	1.55	1.4	10.42	7.42	7.65	0.97	5.28	3.41	0.005855	55.04609
2.2	373.04	1.47	1.4	9.83	7	7.49	0.93	5.24	3.56	0.005952	53.89957
2.3	372.97	1.41	1.41	9.36	6.66	7.36	0.9	5.21	3.7	0.006029	52.81623
2.4	372.94	1.37	1.41	9.1	6.47	7.29	0.89	5.2	3.79	0.005957	51.21237
2.5	372.92	1.35	1.41	8.97	6.37	7.26	0.88	5.19	3.83	0.006002	51.07814

CHANNEL HYDROGRAPH FOR ELEMENT NO: 6294

MASSIMA PORTATA 20.84 AT TIME 1.01
MASSIMA QUOTA PELO LIBERO 373.83 AT TIME 1.01

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.57	0	0	0	0	0	0	0	0	0	0
0.1	371.57	0	0	0	0	0	0	0	0	0	0
0.2	371.57	0	0	0	0	0	0	0	0	0	0
0.3	371.66	0.09	0.17	0.04	0.22	3.43	0.06	3.36	37.21	0.004049	2.45923
0.4	371.77	0.2	0.54	0.24	0.44	4.91	0.09	4.74	23.97	0.007634	6.62026
0.5	371.96	0.39	0.96	1.08	1.12	5.31	0.21	4.85	12.49	0.009969	20.41909
0.6	372.48	0.91	1.42	5.8	4.08	6.39	0.64	5.13	5.65	0.003007	18.60076
0.7	373.21	1.64	1.4	11.47	8.18	7.9	1.03	5.52	3.37	0.002095	21.01094
0.8	373.66	2.09	1.44	15.47	10.78	12.2	0.88	5.65	2.7	0.001595	13.6587
0.9	373.8	2.23	1.64	18.92	11.52	12.2	0.94	5.65	2.54	0.00234	21.41459
1	373.81	2.24	1.74	20.09	11.57	12.2	0.95	5.65	2.52	0.002367	21.75626
1.1	373.81	2.24	1.75	20.31	11.59	12.2	0.95	5.65	2.52	0.002546	23.43402
1.2	373.81	2.24	1.74	20.1	11.57	12.2	0.95	5.65	2.53	0.00227	20.86009
1.3	373.8	2.23	1.66	19.14	11.53	12.2	0.94	5.65	2.54	0.001814	16.60701
1.4	373.78	2.22	1.54	17.67	11.47	12.2	0.94	5.65	2.55	0.001665	15.16378
1.5	373.74	2.17	1.44	16.16	11.22	12.2	0.92	5.65	2.6	0.001527	13.60778
1.6	373.63	2.06	1.41	14.91	10.55	12.2	0.86	5.65	2.75	0.001805	15.12269
1.7	373.51	1.94	1.38	13.67	9.88	12.2	0.81	5.65	2.91	0.001886	14.79378
1.8	373.42	1.85	1.37	12.86	9.37	8.34	1.12	5.63	3.05	0.001391	15.15439
1.9	373.3	1.73	1.38	11.95	8.68	8.09	1.07	5.57	3.22	0.001588	16.52832
2	373.19	1.62	1.38	11.16	8.07	7.86	1.03	5.51	3.4	0.001559	15.50805
2.1	373.09	1.52	1.39	10.43	7.51	7.66	0.98	5.45	3.59	0.001699	16.14932
2.2	373.01	1.44	1.4	9.85	7.06	7.49	0.94	5.41	3.76	0.001854	16.92734

2.3	372.94	1.37	1.4	9.37	6.68	7.35	0.91	5.38	3.92	0.001989	17.5303
2.4	372.9	1.34	1.4	9.11	6.48	7.28	0.89	5.36	4.01	0.002063	17.81882
2.5	372.89	1.32	1.41	8.97	6.38	7.24	0.88	5.35	4.06	0.002091	17.85892

CHANNEL HYDROGRAPH FOR ELEMENT NO: 6385

MASSIMA PORTATA 20.81 AT TIME 1.01
MASSIMA QUOTA PELO LIBERO 373.79 AT TIME 1.01

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.56	0	0	0	0	0	0	0	0	0	0
0.1	371.56	0	0	0	0	0	0	0	0	0	0
0.2	371.56	0	0	0	0	0	0	0	0	0	0
0.3	371.57	0.02	0	0.04	0	0	0	0	0	0	0
0.4	371.6	0.04	0	0.23	0.11	1.72	0.06	1.7	44.3	0.000325	0.20258
0.5	371.71	0.15	0	1.04	0.53	4.69	0.11	4.57	30.6	0	0
0.6	372.37	0.81	1.46	5.63	3.85	6.32	0.61	5.19	6.41	0	0
0.7	373.18	1.63	1.37	11.35	8.25	8.01	1.03	5.63	3.46	0.005466	54.62262
0.8	373.64	2.08	1.41	15.37	10.89	12.25	0.89	5.76	2.76	0.006665	57.41511
0.9	373.77	2.21	1.63	18.91	11.62	12.25	0.95	5.76	2.6	0.003932	36.15574
1	373.78	2.22	1.72	20.1	11.67	12.25	0.95	5.76	2.59	0.00318	29.35095
1.1	373.78	2.22	1.74	20.34	11.68	12.25	0.95	5.76	2.59	0.003103	28.66833
1.2	373.78	2.22	1.73	20.13	11.66	12.25	0.95	5.76	2.6	0.00336	31.00288
1.3	373.77	2.21	1.65	19.15	11.63	12.25	0.95	5.76	2.6	0.004021	36.9949
1.4	373.76	2.21	1.53	17.67	11.58	12.25	0.95	5.76	2.61	0.005306	48.61903
1.5	373.72	2.16	1.43	16.19	11.33	12.25	0.92	5.76	2.67	0.004769	42.74029
1.6	373.6	2.04	1.4	14.95	10.64	12.25	0.87	5.76	2.82	0.003647	30.71212
1.7	373.48	1.92	1.38	13.7	9.96	12.25	0.81	5.76	2.99	0.003474	27.36687
1.8	373.4	1.84	1.36	12.88	9.47	8.45	1.12	5.75	3.12	0.002412	26.2121
1.9	373.27	1.72	1.37	11.98	8.77	8.19	1.07	5.68	3.31	0.001379	14.30484
2	373.16	1.6	1.37	11.18	8.14	7.96	1.02	5.62	3.5	0.000425	4.21169
2.1	373.06	1.5	1.38	10.45	7.56	7.75	0.98	5.56	3.7	0.000166	1.57135
2.2	372.98	1.42	1.39	9.86	7.1	7.58	0.94	5.52	3.89	0	0
2.3	372.91	1.35	1.4	9.38	6.71	7.43	0.9	5.48	4.06	0	0
2.4	372.87	1.31	1.4	9.11	6.51	7.35	0.88	5.46	4.17	0	0
2.5	372.85	1.29	1.4	8.97	6.4	7.31	0.87	5.45	4.22	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 6475

MASSIMA PORTATA 20.86 AT TIME 1.01
MASSIMA QUOTA PELO LIBERO 373.69 AT TIME 1.03

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.55	0	0	0	0	0	0	0	0	0	0
0.1	371.55	0	0	0	0	0	0	0	0	0	0
0.2	371.55	0	0	0	0	0	0	0	0	0	0
0.3	371.61	0.06	0.09	0.02	0.25	2.2	0.11	2.18	35.9	0.002083	2.3154
0.4	371.78	0.23	0.31	0.21	0.67	4.75	0.14	4.6	20.14	0	0
0.5	372.02	0.47	0.55	0.99	1.8	5.57	0.32	5.08	10.79	0	0
0.6	372.53	0.98	1.18	5.54	4.7	6.64	0.71	5.38	5.46	0	0
0.7	373.09	1.54	1.49	11.28	7.55	7.79	0.97	5.7	3.7	0.006489	60.9143
0.8	373.42	1.88	1.63	15.4	9.43	12.18	0.77	5.88	3.14	0.008581	64.37952
0.9	373.6	2.05	1.82	19	10.43	12.18	0.86	5.88	2.87	0.00499	41.40456
1	373.66	2.11	1.87	20.2	10.83	12.18	0.89	5.88	2.78	0.004026	34.67913
1.1	373.68	2.13	1.87	20.45	10.96	12.18	0.9	5.88	2.76	0.003844	33.51192
1.2	373.68	2.13	1.85	20.25	10.94	12.18	0.9	5.88	2.76	0.004172	36.30802
1.3	373.65	2.1	1.79	19.3	10.76	12.18	0.88	5.88	2.8	0.005007	42.86184
1.4	373.6	2.05	1.7	17.81	10.46	12.18	0.86	5.88	2.87	0.006589	54.83179
1.5	373.53	1.99	1.62	16.34	10.08	12.18	0.83	5.88	2.96	0.005945	47.65411
1.6	373.46	1.91	1.56	15.06	9.68	12.18	0.79	5.88	3.07	0.004419	34.02375
1.7	373.37	1.82	1.5	13.74	9.16	8.38	1.09	5.86	3.22	0.003814	40.41433
1.8	373.3	1.75	1.47	12.89	8.76	8.23	1.06	5.82	3.33	0.002878	29.68838
1.9	373.22	1.68	1.43	11.99	8.35	8.08	1.03	5.78	3.45	0.001539	15.42505
2	373.16	1.61	1.4	11.19	7.99	7.94	1.01	5.74	3.56	0.000221	2.1509
2.1	373.08	1.53	1.39	10.46	7.54	7.78	0.97	5.69	3.72	0	0
2.2	373.02	1.47	1.37	9.87	7.19	7.65	0.94	5.66	3.85	0	0
2.3	372.98	1.43	1.34	9.38	6.98	7.57	0.92	5.64	3.93	0	0
2.4	372.96	1.41	1.33	9.11	6.86	7.53	0.91	5.62	3.98	0	0
2.5	372.94	1.4	1.32	8.97	6.79	7.5	0.91	5.62	4.02	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 6565

MASSIMA PORTATA 20.83 AT TIME 1.01
MASSIMA QUOTA PELO LIBERO 373.64 AT TIME 1.03

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.53	0	0	0	0	0	0	0	0	0	0
0.1	371.53	0	0	0	0	0	0	0	0	0	0
0.2	371.53	0	0	0	0	0	0	0	0	0	0
0.3	371.57	0.04	0.08	0.01	0.19	1.22	0.15	1.22	28.58	0.00227	3.38172
0.4	371.73	0.21	0.33	0.19	0.57	3.9	0.15	3.81	18.59	0.003235	4.5948
0.5	371.96	0.43	0.6	0.95	1.59	5.32	0.3	5.01	11.7	0.00432	12.54475
0.6	372.52	1	1.17	5.44	4.66	6.51	0.72	5.37	5.39	0.002125	14.73151
0.7	373.04	1.51	1.51	11.21	7.42	7.6	0.98	5.69	3.76	0.002639	24.97235
0.8	373.36	1.83	1.66	15.32	9.24	8.27	1.12	5.89	3.21	0.003764	40.75705
0.9	373.53	2	1.86	18.97	10.19	11.96	0.85	5.89	2.95	0.0035	28.8964
1	373.6	2.07	1.9	20.17	10.64	11.96	0.89	5.89	2.84	0.003197	27.56168
1.1	373.63	2.1	1.9	20.44	10.78	11.96	0.9	5.89	2.81	0.002975	25.98302
1.2	373.62	2.1	1.88	20.25	10.76	11.96	0.9	5.89	2.81	0.002985	26.03255
1.3	373.59	2.06	1.83	19.31	10.58	11.96	0.88	5.89	2.85	0.002854	24.46778
1.4	373.54	2.01	1.74	17.87	10.27	11.96	0.86	5.89	2.93	0.003188	26.53458
1.5	373.47	1.95	1.66	16.41	9.89	11.96	0.83	5.89	3.03	0.003015	24.15573
1.6	373.41	1.88	1.59	15.09	9.51	11.96	0.8	5.89	3.13	0.002712	20.90205
1.7	373.33	1.8	1.52	13.75	9.06	8.2	1.1	5.87	3.26	0.002144	22.95829
1.8	373.26	1.73	1.49	12.9	8.69	8.06	1.08	5.83	3.36	0.00191	19.95603
1.9	373.2	1.67	1.45	12	8.29	7.92	1.05	5.79	3.47	0.001796	18.23114
2	373.14	1.61	1.41	11.2	7.95	7.79	1.02	5.75	3.58	0.001562	15.44402
2.1	373.06	1.53	1.4	10.48	7.5	7.63	0.98	5.7	3.73	0.001704	16.23164
2.2	372.99	1.47	1.38	9.88	7.14	7.5	0.95	5.66	3.86	0.00172	15.86712
2.3	372.96	1.43	1.36	9.38	6.92	7.42	0.93	5.64	3.94	0.001729	15.6387
2.4	372.94	1.41	1.34	9.12	6.81	7.38	0.92	5.62	3.99	0.001735	15.52189
2.5	372.93	1.4	1.33	8.98	6.75	7.35	0.92	5.62	4.02	0.001448	12.8783

CHANNEL HYDROGRAPH FOR ELEMENT NO: 6655

MASSIMA PORTATA 20.60 AT TIME 1.01
MASSIMA QUOTA PELO LIBERO 373.59 AT TIME 1.03

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.51	0	0	0	0	0	0	0	0	0	0
0.1	371.51	0	0	0	0	0	0	0	0	0	0
0.2	371.51	0	0	0	0	0	0	0	0	0	0
0.3	371.53	0.02	0.01	0	0.05	0.62	0	0.61	0	0.004339	0
0.4	371.69	0.18	0.29	0.17	0.58	3.89	0.15	3.75	20.86	0.002855	4.15721
0.5	371.91	0.4	0.54	0.9	1.67	5.36	0.31	5	12.49	0.002859	8.62334
0.6	372.48	0.98	1.1	5.32	4.84	6.58	0.74	5.38	5.52	0.002332	16.61707
0.7	373.01	1.5	1.45	11.13	7.68	7.68	1	5.71	3.8	0.001911	18.51248
0.8	373.32	1.82	1.61	15.23	9.48	11.74	0.81	5.87	3.23	0.002686	21.01539
0.9	373.48	1.97	1.8	18.77	10.41	11.74	0.89	5.87	2.97	0.002738	23.53159
1	373.56	2.06	1.83	19.98	10.9	11.74	0.93	5.87	2.85	0.002642	23.76563
1.1	373.59	2.08	1.84	20.28	11.03	11.74	0.94	5.87	2.82	0.002434	22.17228
1.2	373.58	2.08	1.82	20.1	11.02	11.74	0.94	5.87	2.83	0.002387	21.72071
1.3	373.55	2.05	1.77	19.21	10.84	11.74	0.92	5.87	2.87	0.002173	19.44171
1.4	373.5	1.99	1.69	17.82	10.53	11.74	0.9	5.87	2.94	0.002422	21.0459
1.5	373.44	1.93	1.62	16.37	10.14	11.74	0.86	5.87	3.04	0.002291	19.17017
1.6	373.37	1.86	1.55	15.09	9.76	11.74	0.83	5.87	3.15	0.00223	17.97483
1.7	373.3	1.79	1.48	13.77	9.33	11.74	0.79	5.87	3.28	0.002016	15.52125
1.8	373.24	1.73	1.44	12.91	8.99	8.16	1.1	5.85	3.38	0.001682	17.95908
1.9	373.17	1.66	1.4	12.01	8.6	8.02	1.07	5.81	3.49	0.001579	16.40512
2	373.11	1.6	1.36	11.21	8.26	7.9	1.05	5.77	3.6	0.001549	15.702
2.1	373.03	1.52	1.35	10.5	7.79	7.73	1.01	5.72	3.75	0.00173	16.89073
2.2	372.97	1.46	1.33	9.88	7.41	7.6	0.98	5.68	3.89	0.001748	16.54256
2.3	372.93	1.42	1.3	9.39	7.2	7.52	0.96	5.66	3.98	0.001751	16.24837
2.4	372.91	1.4	1.29	9.12	7.08	7.47	0.95	5.65	4.03	0.001749	16.06053
2.5	372.9	1.39	1.28	8.98	7.01	7.45	0.94	5.64	4.05	0.001757	16.03793

CHANNEL HYDROGRAPH FOR ELEMENT NO: 6746

MASSIMA PORTATA 20.42 AT TIME 1.01
MASSIMA QUOTA PELO LIBERO 373.57 AT TIME 1.03

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.5	0	0	0	0	0	0	0	0	0	0
0.1	371.5	0	0	0	0	0	0	0	0	0	0
0.2	371.5	0	0	0	0	0	0	0	0	0	0
0.3	371.5	0	0	0	0	0	0	0	0	0	0
0.4	371.64	0.15	0.27	0.14	0.52	4.81	0.11	4.7	32.09	0.002729	2.84324
0.5	371.87	0.37	0.54	0.85	1.58	5.6	0.28	5.17	14.05	0.002452	6.72006
0.6	372.45	0.95	1.04	5.19	5.01	6.82	0.73	5.52	5.79	0.001385	9.86153
0.7	372.99	1.49	1.38	11.05	8.03	7.94	1.01	5.84	3.92	0.001158	11.35019
0.8	373.3	1.8	1.54	15.16	9.84	11.61	0.85	5.95	3.3	0.001275	10.46567
0.9	373.46	1.96	1.72	18.54	10.8	11.61	0.93	5.95	3.03	0.001069	9.63386
1	373.54	2.04	1.75	19.82	11.31	11.61	0.97	5.95	2.91	0.000986	9.29942
1.1	373.57	2.07	1.76	20.15	11.45	11.61	0.99	5.95	2.88	0.000932	8.90491
1.2	373.56	2.07	1.75	19.99	11.44	11.61	0.98	5.95	2.88	0.000899	8.57851
1.3	373.53	2.03	1.7	19.13	11.24	11.61	0.97	5.95	2.92	0.0008	7.50661
1.4	373.48	1.98	1.63	17.77	10.93	11.61	0.94	5.95	3	0.000994	9.06074
1.5	373.41	1.91	1.55	16.36	10.53	11.61	0.91	5.95	3.11	0.001017	8.93672
1.6	373.35	1.85	1.49	15.11	10.14	11.61	0.87	5.95	3.21	0.001083	9.16744
1.7	373.27	1.78	1.42	13.79	9.69	11.61	0.83	5.95	3.35	0.001121	9.06508
1.8	373.22	1.72	1.38	12.93	9.37	11.61	0.81	5.95	3.45	0.001003	7.84341
1.9	373.15	1.66	1.34	12.03	8.98	8.29	1.08	5.94	3.59	0.000782	8.21107
2	373.1	1.6	1.3	11.23	8.65	8.17	1.06	5.91	3.69	0.00082	8.41389
2.1	373.02	1.52	1.29	10.51	8.16	8	1.02	5.86	3.86	0.000876	8.67029
2.2	372.95	1.45	1.27	9.89	7.78	7.86	0.99	5.82	4.01	0.000898	8.61132
2.3	372.91	1.41	1.24	9.39	7.55	7.78	0.97	5.8	4.1	0.000916	8.61536
2.4	372.89	1.39	1.23	9.12	7.43	7.74	0.96	5.79	4.15	0.00092	8.55716
2.5	372.88	1.38	1.22	8.98	7.36	7.71	0.95	5.78	4.18	0.000944	8.73297

CHANNEL HYDROGRAPH FOR ELEMENT NO: 6836

MASSIMA PORTATA 20.23 AT TIME 1.01
MASSIMA QUOTA PELO LIBERO 373.56 AT TIME 1.04

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.48	0	0	0	0	0	0	0	0	0	0
0.1	371.48	0	0	0	0	0	0	0	0	0	0
0.2	371.48	0	0	0	0	0	0	0	0	0	0
0.3	371.48	0	0	0	0	0	0	0	0	0	0
0.4	371.59	0.11	0.26	0.12	0.47	3.74	0.12	3.63	32.05	0.002883	3.48384
0.5	371.82	0.35	0.54	0.8	1.48	5.29	0.28	4.92	14.21	0.002344	6.34796
0.6	372.43	0.95	1.06	5.07	4.76	7.39	0.64	6	6.33	0.000767	4.78864
0.7	372.97	1.5	1.43	10.98	7.66	8.49	0.9	6	4.01	0.000592	5.1791
0.8	373.28	1.8	1.61	15.05	9.36	11.78	0.8	6	3.33	0.000213	1.6452
0.9	373.45	1.97	1.78	18.29	10.3	11.78	0.87	6	3.05	0	0
1	373.53	2.05	1.82	19.63	10.78	11.78	0.91	6	2.92	0	0
1.1	373.56	2.08	1.83	20	10.91	11.78	0.93	6	2.89	0	0
1.2	373.55	2.08	1.82	19.85	10.9	11.78	0.93	6	2.89	0	0
1.3	373.52	2.04	1.78	19.04	10.72	11.78	0.91	6	2.94	0	0
1.4	373.47	1.99	1.7	17.74	10.42	11.78	0.88	6	3.02	0	0
1.5	373.4	1.92	1.63	16.37	10.03	11.78	0.85	6	3.12	0	0
1.6	373.33	1.86	1.57	15.13	9.66	11.78	0.82	6	3.23	0.000187	1.48349
1.7	373.26	1.78	1.5	13.86	9.24	11.78	0.78	6	3.37	0.000265	2.0132
1.8	373.2	1.73	1.45	12.96	8.93	11.78	0.76	6	3.48	0.000386	2.83712
1.9	373.14	1.66	1.4	12.04	8.57	11.78	0.73	6	3.61	0.00032	2.25758
2	373.08	1.61	1.36	11.24	8.26	11.78	0.7	6	3.73	0.000428	2.91014
2.1	373	1.53	1.35	10.53	7.81	8.55	0.91	6	3.93	0.000315	2.79329
2.2	372.94	1.46	1.33	9.9	7.43	8.42	0.88	6	4.11	0.000376	3.21815
2.3	372.9	1.42	1.3	9.4	7.21	8.34	0.86	6	4.22	0.000435	3.64536
2.4	372.88	1.4	1.29	9.12	7.1	8.3	0.86	6	4.28	0.000465	3.85275
2.5	372.87	1.39	1.28	8.98	7.03	8.28	0.85	6	4.32	0.00043	3.54525

CHANNEL HYDROGRAPH FOR ELEMENT NO: 6926

MASSIMA PORTATA 20.11 AT TIME 1.04
MASSIMA QUOTA PELO LIBERO 373.53 AT TIME 1.01

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	371.39	0	0	0	0	0	0	0	0	0	0
0.1	371.39	0	0	0	0	0	0	0	0	0	0
0.2	371.39	0	0	0	0	0	0	0	0	0	0
0.3	371.39	0	0	0	0	0	0	0	0	0	0
0.4	371.53	0.14	0.21	0.1	0.46	4.17	0.11	4.13	29.89	0.002577	2.77544
0.5	371.79	0.4	0.52	0.77	1.47	4.74	0.31	4.37	10.97	0.002207	6.61179
0.6	372.39	1	1.16	4.97	4.3	6.08	0.71	4.94	4.92	0.001348	9.24169
0.7	372.94	1.55	1.59	10.87	6.83	9.72	0.7	5.3	3.42	0.001184	8.05957
0.8	373.25	1.86	1.78	14.94	8.38	9.72	0.86	5.3	2.85	0.000783	6.54293
0.9	373.41	2.02	1.96	18.08	9.21	9.72	0.95	5.3	2.62	0.000456	4.1939
1	373.5	2.11	2.02	19.5	9.65	9.72	0.99	5.3	2.51	0.000142	1.36241
1.1	373.52	2.13	2.04	19.92	9.77	9.72	1.01	5.3	2.48	0.000303	2.95678
1.2	373.52	2.13	2.03	19.78	9.77	9.72	1	5.3	2.49	0.000264	2.57079
1.3	373.49	2.1	1.98	19.02	9.6	9.72	0.99	5.3	2.53	0.000471	4.5119
1.4	373.43	2.05	1.9	17.75	9.33	9.72	0.96	5.3	2.59	0.000525	4.88943
1.5	373.37	1.98	1.82	16.39	8.99	9.72	0.92	5.3	2.68	0.000625	5.60022
1.6	373.3	1.91	1.75	15.15	8.66	9.72	0.89	5.3	2.77	0.000745	6.42752
1.7	373.23	1.84	1.68	13.9	8.27	9.72	0.85	5.3	2.89	0.000892	7.35672
1.8	373.17	1.78	1.63	13.05	8	9.72	0.82	5.3	2.97	0.000962	7.67295
1.9	373.11	1.72	1.57	12.08	7.68	9.72	0.79	5.3	3.08	0.001035	7.92443
2	373.05	1.66	1.52	11.27	7.39	9.72	0.76	5.3	3.18	0.001145	8.43902
2.1	372.98	1.59	1.51	10.57	6.99	9.72	0.72	5.3	3.34	0.001169	8.14336
2.2	372.91	1.52	1.5	9.93	6.63	9.72	0.68	5.3	3.49	0.001265	8.36481
2.3	372.87	1.48	1.46	9.42	6.44	9.72	0.66	5.3	3.58	0.001325	8.50381
2.4	372.85	1.46	1.44	9.14	6.33	9.72	0.65	5.3	3.63	0.001347	8.50508
2.5	372.84	1.45	1.43	8.99	6.27	9.72	0.65	5.3	3.66	0.00134	8.3794

CHANNEL HYDROGRAPH FOR ELEMENT NO: 7016

MASSIMA PORTATA 20.09 AT TIME 1.04
MASSIMA QUOTA PELO LIBERO 373.47 AT TIME 1.02

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.38	0	0	0	0	0	0	0	0	0	0
0.1	371.38	0	0	0	0	0	0	0	0	0	0
0.2	371.38	0	0	0	0	0	0	0	0	0	0
0.3	371.38	0	0	0	0	0	0	0	0	0	0
0.4	371.49	0.11	0.17	0.08	0.44	3.59	0.12	3.55	32.75	0.001994	2.34678
0.5	371.76	0.38	0.53	0.73	1.38	4.53	0.3	4.13	10.91	0.00201	5.92105
0.6	372.35	0.97	1.24	4.88	3.95	5.81	0.68	4.6	4.73	0.001496	9.86255
0.7	372.89	1.51	1.74	10.76	6.2	9.49	0.65	4.93	3.27	0.001163	7.37035
0.8	373.19	1.81	1.95	14.87	7.65	9.49	0.81	4.93	2.72	0.000866	6.76643
0.9	373.35	1.98	2.14	17.94	8.4	9.49	0.89	4.93	2.5	0.000539	4.62399
1	373.44	2.06	2.21	19.45	8.8	9.49	0.93	4.93	2.39	0.00013	1.17249
1.1	373.47	2.09	2.23	19.9	8.92	9.49	0.94	4.93	2.36	0.000341	3.1085
1.2	373.46	2.09	2.22	19.78	8.91	9.49	0.94	4.93	2.37	0.000294	2.67633
1.3	373.43	2.05	2.17	19.03	8.76	9.49	0.92	4.93	2.4	0.000603	5.39575
1.4	373.38	2	2.09	17.78	8.52	9.49	0.9	4.93	2.47	0.00061	5.31154
1.5	373.31	1.94	2	16.44	8.21	9.49	0.87	4.93	2.55	0.000655	5.49224
1.6	373.25	1.87	1.93	15.23	7.91	9.49	0.83	4.93	2.64	0.000851	6.87843
1.7	373.17	1.8	1.84	13.93	7.56	9.49	0.8	4.93	2.75	0.00109	8.42106
1.8	373.12	1.74	1.79	13.07	7.31	9.49	0.77	4.93	2.83	0.001182	8.82441
1.9	373.06	1.68	1.72	12.1	7.02	9.49	0.74	4.93	2.94	0.001288	9.23144
2	373	1.63	1.67	11.29	6.76	9.49	0.71	4.93	3.03	0.001334	9.21233
2.1	372.92	1.55	1.67	10.6	6.36	9.49	0.67	4.93	3.19	0.001654	10.74808
2.2	372.85	1.47	1.65	9.95	6.01	9.49	0.63	4.93	3.35	0.001755	10.78476
2.3	372.81	1.44	1.62	9.43	5.83	9.49	0.61	4.93	3.44	0.001799	10.72078
2.4	372.79	1.42	1.59	9.14	5.74	9.49	0.6	4.93	3.49	0.001824	10.69387
2.5	372.78	1.4	1.58	8.99	5.68	9.49	0.6	4.93	3.51	0.001896	11.00831

CHANNEL HYDROGRAPH FOR ELEMENT NO: 7106

MASSIMA PORTATA 20.10 AT TIME 1.04
MASSIMA QUOTA PELO LIBERO 373.41 AT TIME 1.02

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.36	0	0	0	0	0	0	0	0	0	0
0.1	371.36	0	0	0	0	0	0	0	0	0	0
0.2	371.36	0	0	0	0	0	0	0	0	0	0
0.3	371.36	0	0	0	0	0	0	0	0	0	0
0.4	371.44	0.08	0.14	0.05	0.39	3.64	0.11	3.55	42.14	0.002183	2.26523

0.5	371.72	0.37	0.6	0.7	1.16	4.24	0.27	3.77	10.29	0.002648	6.99858
0.6	372.3	0.94	1.4	4.8	3.43	5.49	0.62	4.22	4.46	0.002182	13.21214
0.7	372.82	1.46	1.99	10.71	5.39	9.06	0.59	4.53	3.1	0.001971	11.36432
0.8	373.13	1.77	2.2	14.82	6.73	9.06	0.74	4.53	2.56	0.001638	11.80092
0.9	373.29	1.93	2.41	17.86	7.4	9.06	0.82	4.53	2.35	0.001327	10.50924
1	373.37	2.02	2.5	19.42	7.76	9.06	0.86	4.53	2.25	0.000797	6.62169
1.1	373.4	2.04	2.53	19.9	7.88	9.06	0.87	4.53	2.22	0.000963	8.11409
1.2	373.4	2.04	2.51	19.78	7.88	9.06	0.87	4.53	2.22	0.000914	7.70322
1.3	373.37	2.01	2.46	19.05	7.74	9.06	0.85	4.53	2.26	0.001193	9.88315
1.4	373.32	1.96	2.37	17.83	7.53	9.06	0.83	4.53	2.31	0.001267	10.21055
1.5	373.25	1.89	2.28	16.55	7.24	9.06	0.8	4.53	2.39	0.001501	11.63239
1.6	373.19	1.83	2.2	15.33	6.98	9.06	0.77	4.53	2.48	0.001712	12.78399
1.7	373.12	1.76	2.1	13.99	6.67	9.06	0.74	4.53	2.58	0.001885	13.453
1.8	373.06	1.7	2.03	13.09	6.44	9.06	0.71	4.53	2.66	0.001984	13.67756
1.9	373	1.64	1.96	12.11	6.18	9.06	0.68	4.53	2.76	0.002075	13.72764
2	372.95	1.59	1.9	11.3	5.94	9.06	0.66	4.53	2.85	0.002123	13.50408
2.1	372.86	1.5	1.92	10.65	5.53	9.06	0.61	4.53	3.02	0.002504	14.82856
2.2	372.78	1.43	1.91	9.95	5.22	9.06	0.58	4.53	3.18	0.002617	14.61132
2.3	372.75	1.39	1.87	9.43	5.05	9.06	0.56	4.53	3.26	0.002669	14.4319
2.4	372.73	1.37	1.84	9.14	4.96	9.06	0.55	4.53	3.31	0.002712	14.4112
2.5	372.72	1.36	1.83	8.99	4.92	9.06	0.54	4.53	3.34	0.002724	14.33335

CHANNEL HYDROGRAPH FOR ELEMENT NO: 7197

MASSIMA PORTATA 20.15 AT TIME 1.04
MASSIMA QUOTA PELO LIBERO 373.3 AT TIME 1.11

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.35	0	0	0	0	0	0	0	0	0	0
0.1	371.35	0	0	0	0	0	0	0	0	0	0
0.2	371.35	0	0	0	0	0	0	0	0	0	0
0.3	371.35	0	0	0	0	0	0	0	0	0	0
0.4	371.41	0.06	0.14	0.04	0.26	1.89	0.14	1.89	30.17	0.004064	5.47485
0.5	371.67	0.33	0.69	0.67	0.97	3.77	0.26	3.45	10.55	0.004392	10.92541
0.6	372.23	0.88	1.55	4.73	3.05	4.93	0.62	3.82	4.35	0.00498	29.81492
0.7	372.72	1.37	2.2	10.59	4.81	5.97	0.81	4.15	3.03	0.005596	43.67823
0.8	373.03	1.68	2.42	14.76	6.1	8.79	0.69	4.17	2.48	0.005201	34.96138
0.9	373.18	1.83	2.66	17.82	6.7	8.79	0.76	4.17	2.27	0.005574	41.17111
1	373.27	1.92	2.77	19.5	7.05	8.79	0.8	4.17	2.17	0.00458	35.57703
1.1	373.29	1.95	2.79	19.98	7.17	8.79	0.82	4.17	2.14	0.004631	36.58723
1.2	373.29	1.95	2.77	19.87	7.17	8.79	0.82	4.17	2.14	0.004575	36.17813
1.3	373.26	1.92	2.73	19.2	7.05	8.79	0.8	4.17	2.18	0.004851	37.6725
1.4	373.22	1.87	2.63	18.02	6.85	8.79	0.78	4.17	2.23	0.00507	38.27361
1.5	373.15	1.8	2.54	16.67	6.58	8.79	0.75	4.17	2.31	0.005093	36.92327
1.6	373.09	1.74	2.43	15.38	6.34	8.79	0.72	4.17	2.39	0.005039	35.23001
1.7	373.02	1.67	2.31	14.02	6.07	8.79	0.69	4.17	2.49	0.005011	33.50041
1.8	372.97	1.62	2.24	13.11	5.85	8.79	0.67	4.17	2.57	0.004978	32.12169
1.9	372.91	1.56	2.16	12.13	5.61	8.79	0.64	4.17	2.67	0.004996	30.87158
2	372.86	1.51	2.11	11.32	5.37	8.79	0.61	4.17	2.76	0.005164	30.58098
2.1	372.76	1.41	2.16	10.68	4.94	8.79	0.56	4.17	2.96	0.005017	27.32335
2.2	372.68	1.34	2.13	9.96	4.68	5.9	0.79	4.13	3.09	0.005091	39.14601
2.3	372.65	1.3	2.08	9.43	4.53	5.82	0.78	4.11	3.16	0.005104	38.46809
2.4	372.63	1.28	2.06	9.15	4.45	5.78	0.77	4.09	3.2	0.005113	38.12811
2.5	372.62	1.27	2.04	8.99	4.4	5.76	0.76	4.09	3.22	0.005102	37.82179

CHANNEL HYDROGRAPH FOR ELEMENT NO: 7288

MASSIMA PORTATA 20.21 AT TIME 1.1
MASSIMA QUOTA PELO LIBERO 373.17 AT TIME 1.11

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.26	0	0	0	0	0	0	0	0	0	0
0.1	371.26	0	0	0	0	0	0	0	0	0	0
0.2	371.26	0	0	0	0	0	0	0	0	0	0
0.3	371.26	0	0	0	0	0	0	0	0	0	0
0.4	371.3	0.04	0.09	0.02	0.22	1.21	0.18	1.21	28.14	0.005793	10.30921
0.5	371.59	0.33	0.65	0.64	0.98	3.75	0.26	3.44	10.48	0.004929	12.50559
0.6	372.12	0.86	1.54	4.65	3.02	4.88	0.62	3.8	4.39	0.00574	34.41832
0.7	372.59	1.33	2.24	10.54	4.7	5.87	0.8	4.11	3.08	0.007789	60.47897
0.8	372.9	1.65	2.45	14.63	5.97	8.89	0.67	4.17	2.53	0.00623	40.54775
0.9	373.04	1.79	2.68	17.65	6.58	8.89	0.74	4.17	2.33	0.006466	46.38454
1	373.13	1.87	2.81	19.44	6.92	8.89	0.78	4.17	2.23	0.005929	44.70866

1.1	373.16	1.9	2.85	20.04	7.03	8.89	0.79	4.17	2.19	0.00606	46.41338
1.2	373.16	1.9	2.83	19.95	7.04	8.89	0.79	4.17	2.19	0.006064	46.54785
1.3	373.13	1.87	2.79	19.26	6.91	8.89	0.78	4.17	2.23	0.006103	45.94262
1.4	373.08	1.82	2.68	18.03	6.73	8.89	0.76	4.17	2.29	0.006026	44.20709
1.5	373.02	1.76	2.57	16.64	6.48	8.89	0.73	4.17	2.37	0.005877	41.52953
1.6	372.97	1.71	2.45	15.35	6.26	8.89	0.7	4.17	2.44	0.005776	39.42904
1.7	372.9	1.64	2.34	14	5.99	8.89	0.67	4.17	2.54	0.005719	37.34611
1.8	372.85	1.59	2.26	13.07	5.78	8.89	0.65	4.17	2.62	0.005676	35.74592
1.9	372.79	1.53	2.2	12.12	5.52	8.89	0.62	4.17	2.72	0.005787	34.80279
2	372.73	1.48	2.15	11.33	5.27	8.89	0.59	4.17	2.82	0.006234	35.77504
2.1	372.63	1.37	2.2	10.69	4.87	5.95	0.82	4.14	3.02	0.005327	42.2367
2.2	372.57	1.32	2.15	9.97	4.64	5.83	0.8	4.1	3.12	0.005385	41.56631
2.3	372.54	1.28	2.1	9.44	4.49	5.75	0.78	4.08	3.19	0.005393	40.77335
2.4	372.52	1.26	2.08	9.15	4.41	5.71	0.77	4.06	3.23	0.005397	40.37818
2.5	372.51	1.25	2.06	8.99	4.37	5.69	0.77	4.05	3.25	0.005393	40.11298

CHANNEL HYDROGRAPH FOR ELEMENT NO: 7378

MASSIMA PORTATA 20.29 AT TIME 1.1
MASSIMA QUOTA PELO LIBERO 373.09 AT TIME 1.11

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.17	0	0	0	0	0	0	0	0	0	0
0.1	371.17	0	0	0	0	0	0	0	0	0	0
0.2	371.17	0	0	0	0	0	0	0	0	0	0
0.3	371.17	0	0	0	0	0	0	0	0	0	0
0.4	371.19	0.02	0.04	0.01	0.02	0.57	0	0.57	0	0.006788	0
0.5	371.51	0.34	0.61	0.6	0.98	3.76	0.26	3.44	10.15	0.003957	9.97759
0.6	372.04	0.87	1.53	4.57	3	4.88	0.61	3.79	4.36	0.004045	24.05265
0.7	372.5	1.33	2.25	10.47	4.66	5.85	0.8	4.1	3.08	0.005109	39.47934
0.8	372.8	1.64	2.47	14.53	5.89	8.96	0.66	4.17	2.55	0.003739	23.80829
0.9	372.96	1.79	2.69	17.62	6.55	8.96	0.73	4.17	2.33	0.003374	23.90497
1	373.04	1.87	2.83	19.44	6.88	8.96	0.77	4.17	2.23	0.003269	24.33125
1.1	373.06	1.89	2.88	20.09	6.97	8.96	0.78	4.17	2.21	0.003153	23.76376
1.2	373.06	1.9	2.86	20.01	6.99	8.96	0.78	4.17	2.2	0.00345	26.10249
1.3	373.03	1.86	2.81	19.29	6.86	8.96	0.77	4.17	2.24	0.003136	23.26567
1.4	372.99	1.82	2.7	18.07	6.7	8.96	0.75	4.17	2.29	0.003342	24.22479
1.5	372.94	1.77	2.57	16.66	6.47	8.96	0.72	4.17	2.36	0.003496	24.47245
1.6	372.88	1.72	2.46	15.37	6.25	8.96	0.7	4.17	2.43	0.003622	24.49601
1.7	372.82	1.65	2.35	14.02	5.97	8.96	0.67	4.17	2.53	0.003732	24.10974
1.8	372.77	1.6	2.28	13.09	5.75	8.96	0.64	4.17	2.61	0.003723	23.14713
1.9	372.7	1.53	2.22	12.15	5.46	8.96	0.61	4.17	2.72	0.004233	25.01588
2	372.64	1.47	2.18	11.36	5.2	8.96	0.58	4.17	2.84	0.004377	24.62851
2.1	372.55	1.38	2.19	10.7	4.89	5.96	0.82	4.13	2.99	0.003556	28.24573
2.2	372.5	1.33	2.14	9.98	4.67	5.85	0.8	4.1	3.08	0.003588	27.72978
2.3	372.46	1.29	2.1	9.44	4.5	5.77	0.78	4.07	3.15	0.003628	27.44496
2.4	372.44	1.27	2.07	9.15	4.42	5.73	0.77	4.06	3.19	0.003685	27.56958
2.5	372.43	1.26	2.05	8.99	4.38	5.71	0.77	4.05	3.21	0.003673	27.31507

CHANNEL HYDROGRAPH FOR ELEMENT NO: 7469

MASSIMA PORTATA 20.48 AT TIME 1.11
MASSIMA QUOTA PELO LIBERO 373.01 AT TIME 1.11

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.09	0	0	0	0	0	0	0	0	0	0
0.1	371.09	0	0	0	0	0	0	0	0	0	0
0.2	371.09	0	0	0	0	0	0	0	0	0	0
0.3	371.09	0	0	0	0	0	0	0	0	0	0
0.4	371.09	0.01	0	0	0	0	0	0	0	0.008399	0
0.5	371.44	0.35	0.68	0.57	0.84	3.77	0.22	3.52	9.92	0.005219	11.22473
0.6	371.96	0.87	1.64	4.5	2.75	4.89	0.56	3.86	4.42	0.009624	52.54598
0.7	372.42	1.33	2.38	10.44	4.39	5.85	0.75	4.13	3.1	0.011206	81.65221
0.8	372.71	1.62	2.64	14.49	5.48	9.03	0.61	4.2	2.59	0.013671	80.4703
0.9	372.87	1.79	2.86	17.64	6.17	9.03	0.68	4.2	2.35	0.014325	94.83157
1	372.96	1.87	3	19.52	6.5	9.03	0.72	4.2	2.25	0.014984	104.46933
1.1	372.97	1.89	3.09	20.22	6.55	9.03	0.73	4.2	2.23	0.014785	103.93356
1.2	372.98	1.89	3.05	20.14	6.6	9.03	0.73	4.2	2.22	0.014371	101.78407
1.3	372.95	1.86	3.01	19.43	6.47	9.03	0.72	4.2	2.26	0.014078	97.68745
1.4	372.91	1.83	2.87	18.2	6.34	9.03	0.7	4.2	2.3	0.01311	89.19854
1.5	372.86	1.77	2.74	16.78	6.13	9.03	0.68	4.2	2.37	0.012354	81.22617
1.6	372.81	1.72	2.61	15.47	5.92	9.03	0.66	4.2	2.44	0.011845	75.25423

1.7	372.74	1.65	2.5	14.1	5.64	9.03	0.62	4.2	2.54	0.011577	70.06801
1.8	372.68	1.6	2.44	13.16	5.4	9.03	0.6	4.2	2.63	0.011585	67.13901
1.9	372.61	1.52	2.38	12.21	5.14	9.03	0.57	4.2	2.76	0.011166	61.55899
2	372.55	1.46	2.32	11.39	4.91	9.03	0.54	4.2	2.87	0.010107	53.28904
2.1	372.49	1.4	2.28	10.71	4.69	5.98	0.78	4.16	2.98	0.009321	70.90744
2.2	372.43	1.34	2.24	9.98	4.46	5.87	0.76	4.13	3.08	0.009381	69.16956
2.3	372.39	1.3	2.2	9.44	4.3	5.78	0.74	4.11	3.15	0.009234	66.4752
2.4	372.37	1.28	2.17	9.15	4.21	5.74	0.73	4.1	3.19	0.009118	64.87526
2.5	372.36	1.27	2.16	8.99	4.17	5.72	0.73	4.09	3.22	0.009092	64.29501

CHANNEL HYDROGRAPH FOR ELEMENT NO: 7560

MASSIMA PORTATA 12.54 AT TIME 1.09
MASSIMA QUOTA PELO LIBERO 372.9 AT TIME 1.08

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.05	0	0	0	0	0	0	0	0	0	0
0.1	371.05	0	0	0	0	0	0	0	0	0	0
0.2	371.05	0	0	0	0	0	0	0	0	0	0
0.3	371.05	0	0	0	0	0	0	0	0	0	0
0.4	371.05	0	0	0	0	0	0	0	0	0	0
0.5	371.34	0.29	0.49	0.34	0.7	3.58	0.2	3.44	11.68	0.004349	8.26931
0.6	371.84	0.79	1.03	2.67	2.59	4.6	0.56	3.69	4.67	0.006087	33.24042
0.7	372.3	1.25	1.36	5.91	4.33	5.55	0.78	3.91	3.13	0.006489	49.09079
0.8	372.55	1.5	1.49	8.02	5.37	8.86	0.61	4.01	2.67	0.008225	48.29472
0.9	372.72	1.67	1.62	9.71	6.01	8.86	0.68	4.01	2.4	0.009586	62.96522
1	372.8	1.75	1.72	10.99	6.38	8.86	0.72	4.01	2.29	0.008914	62.18987
1.1	372.8	1.76	1.82	11.82	6.48	8.86	0.73	4.01	2.28	0.008777	62.21623
1.2	372.82	1.77	1.78	11.66	6.55	8.86	0.74	4.01	2.26	0.007177	51.39153
1.3	372.79	1.74	1.76	11.28	6.39	8.86	0.72	4.01	2.31	0.008514	59.54546
1.4	372.76	1.72	1.63	10.18	6.24	8.86	0.7	4.01	2.34	0.008579	58.56353
1.5	372.71	1.67	1.53	9.18	5.99	8.86	0.68	4.01	2.41	0.007739	50.72872
1.6	372.67	1.62	1.45	8.35	5.76	8.86	0.65	4.01	2.48	0.007267	45.78047
1.7	372.6	1.55	1.38	7.52	5.46	8.86	0.62	4.01	2.59	0.007984	47.66913
1.8	372.54	1.49	1.35	7.04	5.21	8.86	0.59	4.01	2.7	0.007799	44.42965
1.9	372.48	1.43	1.29	6.45	4.99	5.92	0.84	4	2.8	0.006977	56.9542
2	372.43	1.38	1.26	6.02	4.79	5.82	0.82	3.98	2.88	0.006243	49.76982
2.1	372.39	1.34	1.23	5.68	4.62	5.74	0.81	3.96	2.95	0.005872	45.86612
2.2	372.33	1.28	1.25	5.46	4.38	5.62	0.78	3.93	3.06	0.005951	45.01514
2.3	372.29	1.24	1.25	5.24	4.21	5.53	0.76	3.91	3.15	0.005882	43.42395
2.4	372.27	1.22	1.24	5.1	4.13	5.48	0.75	3.9	3.2	0.00587	42.80482
2.5	372.26	1.21	1.23	5.01	4.08	5.46	0.75	3.89	3.22	0.005827	42.22176

CHANNEL HYDROGRAPH FOR ELEMENT NO: 7651

MASSIMA PORTATA 12.53 AT TIME 1.09
MASSIMA QUOTA PELO LIBERO 373.16 AT TIME 1.08

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.99	0	0	0	0	0	0	0	0	0	0
0.1	370.99	0	0	0	0	0	0	0	0	0	0
0.2	370.99	0	0	0	0	0	0	0	0	0	0
0.3	370.99	0	0	0	0	0	0	0	0	0	0
0.4	370.99	0	0	0	0	0	0	0	0	0	0
0.5	371.26	0.27	0.42	0.3	0.71	2.85	0.25	2.62	9.59	0.002076	5.00806
0.6	371.85	0.86	0.97	2.57	2.64	4.56	0.58	3.54	4.1	0	0
0.7	372.4	1.41	1.3	5.85	4.49	5.69	0.79	3.84	2.73	0	0
0.8	372.68	1.69	1.44	7.99	5.56	8.63	0.64	3.85	2.28	0	0
0.9	372.83	1.85	1.57	9.67	6.14	8.63	0.71	3.85	2.09	0	0
1	372.94	1.96	1.67	10.98	6.57	8.63	0.76	3.85	1.97	0	0
1.1	372.99	2	1.75	11.81	6.75	8.63	0.78	3.85	1.92	0	0
1.2	373.01	2.02	1.71	11.64	6.81	8.63	0.79	3.85	1.91	0	0
1.3	372.96	1.98	1.7	11.32	6.65	8.63	0.77	3.85	1.95	0	0
1.4	372.91	1.92	1.59	10.24	6.43	8.63	0.75	3.85	2.01	0	0
1.5	372.83	1.84	1.5	9.21	6.14	8.63	0.71	3.85	2.09	0	0
1.6	372.76	1.77	1.43	8.38	5.87	8.63	0.68	3.85	2.17	0	0
1.7	372.68	1.69	1.36	7.54	5.55	8.63	0.64	3.85	2.28	0	0
1.8	372.61	1.62	1.33	7.05	5.29	8.63	0.61	3.85	2.38	0	0
1.9	372.55	1.57	1.27	6.46	5.08	8.63	0.59	3.85	2.46	0	0
2	372.5	1.51	1.24	6.03	4.87	8.63	0.56	3.85	2.55	0	0
2.1	372.46	1.47	1.21	5.69	4.71	8.63	0.55	3.85	2.62	0	0
2.2	372.39	1.41	1.22	5.47	4.48	5.68	0.79	3.84	2.73	0	0

2.3	372.35	1.36	1.22	5.24	4.31	5.59	0.77	3.81	2.8	0	0
2.4	372.32	1.34	1.21	5.1	4.22	5.54	0.76	3.8	2.84	0	0
2.5	372.31	1.33	1.2	5.01	4.18	5.51	0.76	3.79	2.86	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 7742

MASSIMA PORTATA 12.47 AT TIME 1.09
MASSIMA QUOTA PELO LIBERO 373.12 AT TIME 1.2

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.94	0	0	0	0	0	0	0	0	0	0
0.1	370.94	0	0	0	0	0	0	0	0	0	0
0.2	370.94	0	0	0	0	0	0	0	0	0	0
0.3	370.94	0	0	0	0	0	0	0	0	0	0
0.4	370.94	0	0	0	0	0	0	0	0	0	0
0.5	371.19	0.25	0.38	0.25	0.66	2.67	0.25	2.47	9.94	0.002393	5.73676
0.6	371.81	0.87	1.11	2.48	2.23	4.49	0.5	3.45	3.97	0.001669	8.03817
0.7	372.36	1.43	1.52	5.77	3.8	8.47	0.45	3.75	2.63	0.001828	7.96202
0.8	372.65	1.71	1.67	7.92	4.74	8.47	0.56	3.75	2.19	0.000487	2.64265
0.9	372.8	1.86	1.84	9.64	5.24	8.47	0.62	3.75	2.01	0.001342	8.05042
1	372.91	1.97	1.95	10.96	5.61	8.47	0.66	3.75	1.9	0.000918	5.89646
1.1	372.96	2.02	2.05	11.79	5.76	8.47	0.68	3.75	1.85	0.004502	29.7115
1.2	372.97	2.04	2	11.62	5.82	8.47	0.69	3.75	1.84	0.001509	10.05828
1.3	372.94	2	2	11.35	5.68	8.47	0.67	3.75	1.88	0.002677	17.41018
1.4	372.88	1.94	1.87	10.27	5.5	8.47	0.65	3.75	1.93	0.000921	5.80732
1.5	372.8	1.86	1.76	9.24	5.25	8.47	0.62	3.75	2.01	0.001435	8.62473
1.6	372.73	1.79	1.68	8.41	5.02	8.47	0.59	3.75	2.09	0.00217	12.46906
1.7	372.64	1.7	1.6	7.57	4.73	8.47	0.56	3.75	2.2	0.001625	8.79706
1.8	372.57	1.64	1.57	7.06	4.5	8.47	0.53	3.75	2.29	0.00166	8.54616
1.9	372.52	1.58	1.5	6.47	4.31	8.47	0.51	3.75	2.37	0.001725	8.51457
2	372.46	1.53	1.47	6.05	4.12	8.47	0.49	3.75	2.46	0.001986	9.37705
2.1	372.42	1.48	1.44	5.7	3.97	8.47	0.47	3.75	2.53	0.002017	9.17375
2.2	372.36	1.42	1.44	5.48	3.8	8.47	0.45	3.75	2.63	0.001271	5.53496
2.3	372.32	1.38	1.43	5.25	3.68	5.55	0.66	3.72	2.7	0.001331	8.55355
2.4	372.3	1.36	1.42	5.1	3.6	5.5	0.65	3.71	2.73	0.0013	8.24558
2.5	372.28	1.35	1.41	5.01	3.56	5.47	0.65	3.71	2.75	0.001358	8.56218

CHANNEL HYDROGRAPH FOR ELEMENT NO: 7833

MASSIMA PORTATA 12.41 AT TIME 1.14
MASSIMA QUOTA PELO LIBERO 373.01 AT TIME 1.1

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.89	0	0	0	0	0	0	0	0	0	0
0.1	370.89	0	0	0	0	0	0	0	0	0	0
0.2	370.89	0	0	0	0	0	0	0	0	0	0
0.3	370.89	0	0	0	0	0	0	0	0	0	0
0.4	370.89	0	0	0	0	0	0	0	0	0	0
0.5	371.12	0.23	0.36	0.23	0.63	2.12	0.3	1.82	7.88	0.00301	8.72519
0.6	371.73	0.85	1.21	2.42	2	3.51	0.57	2.41	2.85	0.004899	27.03241
0.7	372.27	1.39	1.65	5.72	3.46	4.74	0.73	2.93	2.12	0.005681	40.24638
0.8	372.55	1.67	1.81	7.83	4.32	7.61	0.57	2.96	1.78	0.004948	27.22312
0.9	372.7	1.81	2	9.58	4.79	7.61	0.63	2.96	1.63	0.005884	35.87114
1	372.81	1.92	2.11	10.85	5.13	7.61	0.67	2.96	1.54	0.007802	50.96188
1.1	372.85	1.96	2.21	11.61	5.26	7.61	0.69	2.96	1.51	0.004285	28.68748
1.2	372.87	1.98	2.15	11.45	5.33	7.61	0.7	2.96	1.49	0.011146	75.59041
1.3	372.83	1.94	2.16	11.22	5.19	7.61	0.68	2.96	1.53	0.005123	33.86693
1.4	372.78	1.89	2.01	10.14	5.04	7.61	0.66	2.96	1.56	0.004475	28.73097
1.5	372.71	1.82	1.91	9.2	4.82	7.61	0.63	2.96	1.63	0.005656	34.70306
1.6	372.64	1.75	1.82	8.4	4.62	7.61	0.61	2.96	1.69	0.006531	38.37944
1.7	372.55	1.67	1.75	7.59	4.33	7.61	0.57	2.96	1.78	0.005435	29.9856
1.8	372.48	1.59	1.73	7.08	4.1	7.61	0.54	2.96	1.86	0.005258	27.45721
1.9	372.43	1.54	1.65	6.49	3.93	7.61	0.52	2.96	1.92	0.005172	25.89384
2	372.37	1.48	1.61	6.07	3.76	7.61	0.49	2.96	1.99	0.005092	24.3723
2.1	372.32	1.44	1.58	5.71	3.62	7.61	0.48	2.96	2.06	0.004891	22.55805
2.2	372.28	1.39	1.56	5.48	3.52	4.76	0.74	2.94	2.11	0.004005	28.68284
2.3	372.25	1.36	1.54	5.25	3.42	4.69	0.73	2.91	2.14	0.004136	29.25756
2.4	372.23	1.34	1.53	5.1	3.34	4.63	0.72	2.89	2.16	0.004003	27.99237
2.5	372.21	1.33	1.52	5.01	3.31	4.6	0.72	2.88	2.17	0.004069	28.31742

CHANNEL HYDROGRAPH FOR ELEMENT NO: 7925

MASSIMA	PORTATA	13.14	AT TIME	1.14							
MASSIMA	QUOTA PELO LIBERO	372.89	AT TIME	1.08							
TEMPO	QUOTA PELO LIBERO	PROFONDITA'	VELOCITA'	PORTATA	AREA	CONTORNO	RAGGIO	LARGHEZZA	RAPPORTO	PENDENZA	TENSIONE
(h)	(m)	THALWEG	(m/s)	(mc/s)	BAGNATA	BAGNATO	IDRAULICO	PELO LIBERO	LARGHEZZA / PROFONDITA'	LINEA DEI CARICHI TOTALI	TANGENZIALE AL FONDO
0	370.89	0	0	0	0	0	0	0	0	0	0
0.1	370.89	0	0	0	0	0	0	0	0	0	0
0.2	370.89	0	0	0	0	0	0	0	0	0	0
0.3	370.89	0	0	0	0	0	0	0	0	0	0
0.4	370.89	0	0	0	0	0	0	0	0	0	0
0.5	371.07	0.18	0.29	0.19	0.67	2.75	0.24	2.66	14.48	0.003143	7.40109
0.6	371.65	0.76	0.99	2.35	2.38	4.08	0.58	3.12	4.09	0.004248	24.03522
0.7	372.19	1.3	1.36	5.68	4.19	5.2	0.81	3.4	2.62	0.004974	38.89537
0.8	372.45	1.56	1.52	7.74	5.11	8.21	0.62	3.46	2.21	0.006558	39.57557
0.9	372.6	1.71	1.69	9.54	5.63	8.21	0.69	3.46	2.02	0.007011	46.62473
1	372.71	1.82	1.78	10.75	6.03	8.21	0.73	3.46	1.9	0.006724	47.88043
1.1	372.74	1.86	1.85	11.47	6.2	8.21	0.76	3.46	1.86	0.004258	31.18375
1.2	372.76	1.88	1.82	11.32	6.23	8.21	0.76	3.46	1.84	0.010311	75.80406
1.3	372.72	1.84	1.82	11.15	6.12	8.21	0.75	3.46	1.88	0.007319	52.89825
1.4	372.68	1.79	1.71	10.09	5.91	8.21	0.72	3.46	1.93	0.007263	50.70147
1.5	372.61	1.72	1.62	9.19	5.67	8.21	0.69	3.46	2.01	0.006342	42.43807
1.6	372.55	1.66	1.54	8.4	5.44	8.21	0.66	3.46	2.08	0.005049	32.42542
1.7	372.46	1.57	1.48	7.61	5.15	8.21	0.63	3.46	2.2	0.004701	28.56796
1.8	372.39	1.5	1.44	7.09	4.93	8.21	0.6	3.46	2.31	0.004547	26.46409
1.9	372.33	1.45	1.38	6.5	4.72	8.21	0.58	3.46	2.39	0.004436	24.75311
2	372.28	1.4	1.34	6.08	4.54	5.4	0.84	3.45	2.48	0.003988	32.5176
2.1	372.24	1.36	1.3	5.72	4.4	5.31	0.83	3.43	2.53	0.00379	30.39098
2.2	372.22	1.33	1.28	5.49	4.3	5.26	0.82	3.42	2.57	0.003408	26.99261
2.3	372.19	1.3	1.25	5.26	4.2	5.2	0.81	3.4	2.62	0.003305	25.84178
2.4	372.16	1.27	1.24	5.1	4.11	5.15	0.8	3.39	2.66	0.003258	25.19155
2.5	372.15	1.26	1.23	5.01	4.06	5.13	0.79	3.38	2.68	0.003288	25.27575

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8016

MASSIMA	PORTATA	13.79	AT TIME	1.1							
MASSIMA	QUOTA PELO LIBERO	372.83	AT TIME	1.1							
TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.88	0	0	0	0	0	0	0	0	0	0
0.1	370.88	0	0	0	0	0	0	0	0	0	0
0.2	370.88	0	0	0	0	0	0	0	0	0	0
0.3	370.88	0	0	0	0	0	0	0	0	0	0
0.4	370.88	0	0	0	0	0	0	0	0	0	0
0.5	371.02	0.14	0.21	0.15	0.73	3.39	0.21	3.32	23.99	0.002438	5.05901
0.6	371.62	0.74	0.79	2.24	2.85	4.65	0.61	3.7	4.99	0.001276	7.57683
0.7	372.18	1.3	1.1	5.62	5.08	5.84	0.87	4.05	3.11	0.001424	12.01941
0.8	372.41	1.53	1.26	7.68	6.11	8.47	0.72	4.05	2.64	0.003691	25.79994
0.9	372.55	1.67	1.42	9.52	6.69	8.47	0.79	4.05	2.43	0.003154	24.15691
1	372.65	1.78	1.5	10.67	7.11	8.47	0.84	4.05	2.28	0.000898	7.30765
1.1	372.71	1.83	1.56	11.45	7.35	8.47	0.87	4.05	2.22	0.007239	60.86374
1.2	372.7	1.82	1.56	11.42	7.34	8.47	0.87	4.05	2.22	0.001547	12.98771
1.3	372.68	1.8	1.56	11.27	7.24	8.47	0.85	4.05	2.25	0.004302	35.64944
1.4	372.62	1.74	1.47	10.27	6.99	8.47	0.82	4.05	2.33	0.003466	27.70172
1.5	372.55	1.68	1.39	9.31	6.71	8.47	0.79	4.05	2.42	0.002988	22.95492
1.6	372.49	1.62	1.32	8.5	6.45	8.47	0.76	4.05	2.51	0.000777	5.73779
1.7	372.43	1.55	1.25	7.67	6.15	8.47	0.73	4.05	2.62	0.001113	7.83635
1.8	372.38	1.5	1.19	7.12	5.96	8.47	0.7	4.05	2.7	0.001075	7.33685
1.9	372.33	1.45	1.14	6.53	5.71	8.47	0.67	4.05	2.8	0.001063	6.95068
2	372.28	1.4	1.11	6.1	5.5	8.47	0.65	4.05	2.9	0.000925	5.81933
2.1	372.24	1.36	1.07	5.73	5.33	8.47	0.63	4.05	2.97	0.000948	5.78534
2.2	372.22	1.34	1.05	5.49	5.22	8.47	0.62	4.05	3.03	0.000982	5.86072
2.3	372.19	1.31	1.03	5.26	5.1	8.47	0.6	4.05	3.09	0.000667	3.89308
2.4	372.17	1.29	1.02	5.11	5.01	5.81	0.86	4.04	3.14	0.000769	6.42889
2.5	372.15	1.28	1.01	5.01	4.95	5.78	0.86	4.03	3.16	0.000756	6.2828

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8107

MASSIMA	PORTATA	13.43	AT TIME	1.1
MASSIMA	QUOTA PELO LIBERO	372.8	AT TIME	1.23

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.87	0	0	0	0	0	0	0	0	0	0
0.1	370.87	0	0	0	0	0	0	0	0	0	0
0.2	370.87	0	0	0	0	0	0	0	0	0	0
0.3	370.87	0	0	0	0	0	0	0	0	0	0
0.4	370.87	0	0	0	0	0	0	0	0	0	0
0.5	370.97	0.1	0.15	0.11	0.69	3.36	0.21	3.34	31.96	0.001828	3.64868
0.6	371.6	0.73	0.71	2.13	3	5.39	0.56	4.46	6.08	0.000475	2.56339
0.7	372.18	1.31	1.02	5.53	5.42	8.89	0.61	4.76	3.63	0.00037	2.18448
0.8	372.42	1.55	1.17	7.64	6.52	8.89	0.73	4.76	3.07	0.001961	13.94941
0.9	372.55	1.68	1.33	9.48	7.14	8.89	0.8	4.76	2.83	0.000459	3.57692
1	372.63	1.77	1.42	10.64	7.52	8.89	0.85	4.76	2.69	0.000851	6.98209
1.1	372.69	1.82	1.47	11.47	7.78	8.89	0.88	4.76	2.61	0	0
1.2	372.69	1.82	1.47	11.4	7.77	8.89	0.87	4.76	2.61	0	0
1.3	372.67	1.8	1.47	11.27	7.67	8.89	0.86	4.76	2.64	0	0
1.4	372.61	1.74	1.39	10.29	7.42	8.89	0.84	4.76	2.73	0.000573	4.63558
1.5	372.55	1.69	1.31	9.35	7.15	8.89	0.8	4.76	2.82	0.000084	0.65433
1.6	372.49	1.63	1.24	8.52	6.87	8.89	0.77	4.76	2.92	0.000624	4.67522
1.7	372.43	1.56	1.18	7.7	6.55	8.89	0.74	4.76	3.05	0.000373	2.66248
1.8	372.39	1.52	1.12	7.14	6.35	8.89	0.71	4.76	3.13	0.00035	2.42599
1.9	372.33	1.46	1.08	6.55	6.08	8.89	0.68	4.76	3.26	0.00038	2.52223
2	372.28	1.41	1.05	6.11	5.85	8.89	0.66	4.76	3.37	0.000449	2.86521
2.1	372.24	1.37	1.01	5.75	5.67	8.89	0.64	4.76	3.46	0.000506	3.13071
2.2	372.21	1.35	0.99	5.5	5.54	8.89	0.62	4.76	3.53	0.000538	3.25327
2.3	372.19	1.32	0.97	5.27	5.42	8.89	0.61	4.76	3.6	0.000428	2.53218
2.4	372.17	1.3	0.96	5.11	5.33	8.89	0.6	4.76	3.66	0.000471	2.73818
2.5	372.15	1.29	0.95	5.02	5.27	8.89	0.59	4.76	3.7	0.000493	2.82957

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8200

MASSIMA PORTATA 12.94 AT TIME 1.1
MASSIMA QUOTA PELO LIBERO 372.77 AT TIME 1.06

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.87	0	0	0	0	0	0	0	0	0	0
0.1	370.87	0	0	0	0	0	0	0	0	0	0
0.2	370.87	0	0	0	0	0	0	0	0	0	0
0.3	370.87	0	0	0	0	0	0	0	0	0	0
0.4	370.87	0	0	0	0	0	0	0	0	0	0
0.5	370.94	0.07	0.12	0.07	0.56	2.39	0.24	2.38	32.04	0.001952	4.44912
0.6	371.58	0.71	0.72	2.02	2.81	5.15	0.55	4.25	5.96	0.00069	3.65059
0.7	372.17	1.3	1.06	5.45	5.13	8.69	0.59	4.56	3.51	0.000681	3.89685
0.8	372.41	1.54	1.22	7.58	6.19	8.69	0.71	4.56	2.96	0	0
0.9	372.54	1.68	1.39	9.43	6.78	8.69	0.78	4.56	2.72	0.000445	3.36803
1	372.62	1.75	1.48	10.56	7.13	8.69	0.82	4.56	2.6	0.001246	9.90569
1.1	372.68	1.81	1.54	11.34	7.38	8.69	0.85	4.56	2.52	0	0
1.2	372.67	1.81	1.53	11.27	7.36	8.69	0.85	4.56	2.53	0.00062	5.0902
1.3	372.65	1.79	1.54	11.16	7.27	8.69	0.84	4.56	2.56	0	0
1.4	372.6	1.73	1.45	10.24	7.05	8.69	0.81	4.56	2.63	0.001268	9.96748
1.5	372.54	1.68	1.37	9.33	6.79	8.69	0.78	4.56	2.72	0	0
1.6	372.48	1.62	1.31	8.53	6.52	8.69	0.75	4.56	2.82	0.001902	13.84442
1.7	372.41	1.55	1.24	7.72	6.22	8.69	0.72	4.56	2.95	0.000515	3.57422
1.8	372.37	1.5	1.19	7.15	6.02	8.69	0.69	4.56	3.04	0.000538	3.6134
1.9	372.31	1.44	1.14	6.57	5.76	8.69	0.66	4.56	3.16	0.000605	3.89106
2	372.26	1.39	1.11	6.13	5.54	8.69	0.64	4.56	3.27	0.00066	4.07773
2.1	372.22	1.36	1.07	5.76	5.36	8.69	0.62	4.56	3.37	0.000689	4.12344
2.2	372.2	1.33	1.05	5.5	5.24	8.69	0.6	4.56	3.44	0.000715	4.18235
2.3	372.17	1.3	1.03	5.28	5.12	8.69	0.59	4.56	3.51	0.000743	4.24988
2.4	372.15	1.28	1.02	5.12	5.03	8.69	0.58	4.56	3.56	0.000766	4.29765
2.5	372.14	1.27	1.01	5.02	4.97	8.69	0.57	4.56	3.6	0.000794	4.40648

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8292

MASSIMA PORTATA 12.41 AT TIME 1.07
MASSIMA QUOTA PELO LIBERO 372.7 AT TIME 1.06

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0.5	370.85	0	0	0	0	0	0	0	0	0.005516	0
0.6	371.48	0.63	0.72	1.64	2.28	4.52	0.5	3.68	5.87	0.001348	6.58222
0.7	372.06	1.22	1.26	5.24	4.17	5.73	0.73	3.99	3.29	0.001888	13.31563
0.8	372.3	1.45	1.46	7.39	5.06	8.26	0.61	4.01	2.76	0.001486	8.82221
0.9	372.45	1.6	1.63	9.17	5.64	8.26	0.68	4.01	2.51	0.00142	9.39058
1	372.51	1.67	1.73	10.19	5.9	8.26	0.71	4.01	2.4	0.003314	22.93608
1.1	372.55	1.7	1.79	10.81	6.03	8.26	0.73	4.01	2.36	0.000468	3.31231
1.2	372.55	1.7	1.78	10.79	6.05	8.26	0.73	4.01	2.35	0.000756	5.36141
1.3	372.54	1.69	1.79	10.74	6	8.26	0.73	4.01	2.37	0.001007	7.09426
1.4	372.5	1.65	1.71	10.01	5.86	8.26	0.71	4.01	2.43	0.000644	4.42199
1.5	372.45	1.6	1.62	9.19	5.67	8.26	0.69	4.01	2.51	0.000944	6.27979
1.6	372.39	1.54	1.56	8.51	5.45	8.26	0.66	4.01	2.59	0.000829	5.30363
1.7	372.33	1.48	1.49	7.73	5.21	8.26	0.63	4.01	2.7	0.000979	5.97757
1.8	372.29	1.44	1.42	7.18	5.04	8.26	0.61	4.01	2.78	0.00103	6.09361
1.9	372.23	1.38	1.38	6.63	4.79	8.26	0.58	4.01	2.91	0.001176	6.6162
2	372.17	1.32	1.35	6.18	4.58	8.26	0.55	4.01	3.02	0.001334	7.16197
2.1	372.13	1.28	1.32	5.8	4.41	8.26	0.53	4.01	3.12	0.001478	7.64355
2.2	372.1	1.25	1.29	5.52	4.29	8.26	0.52	4.01	3.19	0.001513	7.61974
2.3	372.07	1.22	1.26	5.3	4.19	5.75	0.73	4	3.26	0.001412	9.97742
2.4	372.05	1.21	1.24	5.13	4.13	5.71	0.72	3.99	3.31	0.001225	8.57301
2.5	372.04	1.2	1.23	5.02	4.08	5.69	0.72	3.98	3.33	0.001244	8.65527

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8568

MASSIMA PORTATA 11.28 AT TIME 1.12
MASSIMA QUOTA PELO LIBERO 372.52 AT TIME 1.12

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.85	0	0	0	0	0	0	0	0	0	0
0.1	370.85	0	0	0	0	0	0	0	0	0	0
0.2	370.85	0	0	0	0	0	0	0	0	0	0
0.3	370.85	0	0	0	0	0	0	0	0	0	0
0.4	370.85	0	0	0	0	0	0	0	0	0	0
0.5	370.85	0	0	0	0	0	0	0	0	0	0
0.6	371.43	0.58	0.71	1.53	2.15	4.32	0.5	3.53	6.05	0.001521	7.32618
0.7	372.02	1.17	1.36	5.21	3.82	5.53	0.69	3.8	3.25	0.002206	14.79717
0.8	372.24	1.4	1.58	7.33	4.62	8.19	0.56	3.84	2.75	0.00157	8.59481
0.9	372.39	1.54	1.76	9.11	5.17	8.19	0.63	3.84	2.49	0.002456	15.03076
1	372.46	1.61	1.86	10.1	5.42	8.19	0.66	3.84	2.38	0.002469	15.8387
1.1	372.49	1.65	1.93	10.69	5.54	8.19	0.68	3.84	2.33	0.001536	10.08056
1.2	372.5	1.65	1.92	10.69	5.55	8.19	0.68	3.84	2.33	0.000752	4.94103
1.3	372.49	1.64	1.92	10.63	5.54	8.19	0.68	3.84	2.34	0.00172	11.27702
1.4	372.46	1.61	1.84	9.95	5.41	8.19	0.66	3.84	2.39	0.001216	7.78941
1.5	372.41	1.56	1.75	9.17	5.24	8.19	0.64	3.84	2.46	0.001477	9.16477
1.6	372.35	1.51	1.69	8.52	5.03	8.19	0.61	3.84	2.55	0.001325	7.887
1.7	372.29	1.44	1.62	7.74	4.79	8.19	0.59	3.84	2.66	0.001564	8.8702
1.8	372.25	1.4	1.55	7.2	4.64	8.19	0.57	3.84	2.74	0.001597	8.77007
1.9	372.18	1.34	1.52	6.65	4.39	8.19	0.54	3.84	2.87	0.001864	9.68248
2	372.13	1.28	1.48	6.2	4.19	8.19	0.51	3.84	3	0.001839	9.11194
2.1	372.08	1.24	1.44	5.81	4.04	5.66	0.71	3.83	3.1	0.00173	11.9593
2.2	372.05	1.21	1.4	5.52	3.93	5.6	0.7	3.82	3.17	0.001746	11.89257
2.3	372.03	1.18	1.38	5.3	3.86	5.55	0.69	3.81	3.22	0.001525	10.26157
2.4	372.02	1.17	1.35	5.13	3.8	5.52	0.69	3.8	3.26	0.001501	10.01076
2.5	372.01	1.16	1.34	5.02	3.76	5.5	0.68	3.8	3.28	0.00151	10.00936

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8662

MASSIMA PORTATA 11.04 AT TIME 1.12
MASSIMA QUOTA PELO LIBERO 372.45 AT TIME 1.12

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.84	0	0	0	0	0	0	0	0	0	0
0.1	370.84	0	0	0	0	0	0	0	0	0	0
0.2	370.84	0	0	0	0	0	0	0	0	0	0
0.3	370.84	0	0	0	0	0	0	0	0	0	0
0.4	370.84	0	0	0	0	0	0	0	0	0	0
0.5	370.84	0	0	0	0	0	0	0	0	0	0
0.6	371.39	0.55	0.72	1.45	2.03	4.04	0.5	3.32	6.03	0.002007	9.76161
0.7	371.97	1.13	1.47	5.18	3.52	5.24	0.67	3.59	3.18	0.002176	14.16757
0.8	372.18	1.34	1.74	7.3	4.21	7.98	0.53	3.65	2.72	0.002	10.22409
0.9	372.33	1.49	1.92	9.06	4.72	7.98	0.59	3.65	2.45	0.002942	16.87609
1	372.39	1.55	2.01	9.99	4.97	7.98	0.62	3.65	2.35	0.000922	5.56016

1.1	372.42	1.59	2.07	10.55	5.09	7.98	0.64	3.65	2.3	0.002391	14.76491
1.2	372.43	1.59	2.07	10.55	5.09	7.98	0.64	3.65	2.3	0.001111	6.87201
1.3	372.42	1.59	2.06	10.49	5.08	7.98	0.64	3.65	2.3	0.002105	12.99519
1.4	372.39	1.55	1.99	9.87	4.96	7.98	0.62	3.65	2.35	0.001901	11.45926
1.5	372.35	1.51	1.9	9.13	4.81	7.98	0.6	3.65	2.42	0.002088	12.19633
1.6	372.29	1.45	1.86	8.52	4.59	7.98	0.58	3.65	2.52	0.002059	11.47931
1.7	372.23	1.39	1.78	7.75	4.36	7.98	0.55	3.65	2.63	0.002443	12.93905
1.8	372.19	1.35	1.71	7.2	4.22	7.98	0.53	3.65	2.71	0.002427	12.43597
1.9	372.12	1.28	1.67	6.65	3.98	7.98	0.5	3.65	2.86	0.002612	12.6378
2	372.07	1.23	1.62	6.2	3.83	5.44	0.7	3.64	2.97	0.002117	14.45189
2.1	372.03	1.19	1.57	5.81	3.71	5.36	0.69	3.62	3.04	0.001823	12.21726
2.2	372	1.17	1.53	5.53	3.62	5.31	0.68	3.61	3.1	0.001836	12.13074
2.3	371.98	1.15	1.49	5.3	3.55	5.27	0.67	3.6	3.14	0.001832	11.96942
2.4	371.97	1.13	1.47	5.13	3.5	5.24	0.67	3.59	3.18	0.001839	11.90252
2.5	371.96	1.12	1.45	5.02	3.46	5.22	0.66	3.59	3.2	0.00183	11.77864

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8756

MASSIMA PORTATA 10.91 AT TIME 1.12
MASSIMA QUOTA PELO LIBERO 372.36 AT TIME 1.12

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.84	0	0	0	0	0	0	0	0	0	0
0.1	370.84	0	0	0	0	0	0	0	0	0	0
0.2	370.84	0	0	0	0	0	0	0	0	0	0
0.3	370.84	0	0	0	0	0	0	0	0	0	0
0.4	370.84	0	0	0	0	0	0	0	0	0	0
0.5	370.84	0	0	0	0	0	0	0	0	0	0
0.6	371.35	0.51	0.74	1.38	1.86	3.98	0.47	3.22	6.35	0.003087	14.00871
0.7	371.91	1.08	1.64	5.16	3.16	5.15	0.61	3.49	3.24	0.003424	20.34059
0.8	372.1	1.26	1.96	7.28	3.72	7.97	0.47	3.56	2.83	0.004255	19.25714
0.9	372.24	1.4	2.17	9.03	4.17	7.97	0.52	3.56	2.54	0.005139	26.0603
1	372.31	1.47	2.26	9.93	4.39	7.97	0.55	3.56	2.42	0.002646	14.14973
1.1	372.34	1.5	2.32	10.48	4.51	7.97	0.57	3.56	2.37	0.004434	24.32498
1.2	372.34	1.51	2.32	10.49	4.52	7.97	0.57	3.56	2.37	0.003355	18.4454
1.3	372.34	1.5	2.31	10.44	4.51	7.97	0.57	3.56	2.37	0.004117	22.58809
1.4	372.31	1.47	2.24	9.85	4.4	7.97	0.55	3.56	2.42	0.004121	22.0686
1.5	372.27	1.43	2.15	9.14	4.26	7.97	0.53	3.56	2.49	0.004082	21.14732
1.6	372.2	1.36	2.11	8.53	4.05	7.97	0.51	3.56	2.61	0.004227	20.81435
1.7	372.14	1.3	2.02	7.75	3.84	7.97	0.48	3.56	2.74	0.004497	20.9965
1.8	372.1	1.26	1.94	7.21	3.71	7.97	0.47	3.56	2.82	0.00446	20.14631
1.9	372.04	1.2	1.88	6.66	3.54	5.4	0.65	3.54	2.95	0.003878	24.60578
2	372	1.16	1.81	6.21	3.42	5.33	0.64	3.53	3.03	0.003402	21.16933
2.1	371.97	1.13	1.75	5.82	3.32	5.27	0.63	3.51	3.1	0.003298	20.16146
2.2	371.95	1.11	1.7	5.53	3.24	5.22	0.62	3.5	3.16	0.003275	19.7464
2.3	371.93	1.09	1.67	5.31	3.18	5.18	0.62	3.49	3.2	0.003255	19.40178
2.4	371.91	1.08	1.64	5.13	3.14	5.15	0.61	3.49	3.24	0.003249	19.19731
2.5	371.9	1.07	1.62	5.03	3.11	5.13	0.61	3.48	3.26	0.003213	18.86681

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8850

MASSIMA PORTATA 10.95 AT TIME 1.12
MASSIMA QUOTA PELO LIBERO 372.22 AT TIME 1.12

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.84	0	0	0	0	0	0	0	0	0	0
0.1	370.84	0	0	0	0	0	0	0	0	0	0
0.2	370.84	0	0	0	0	0	0	0	0	0	0
0.3	370.84	0	0	0	0	0	0	0	0	0	0
0.4	370.84	0	0	0	0	0	0	0	0	0	0
0.5	370.84	0	0	0	0	0	0	0	0	0	0
0.6	371.3	0.46	0.73	1.31	1.79	3.66	0.49	3.11	6.78	0.004513	21.35832
0.7	371.83	0.99	1.71	5.14	3.02	4.75	0.64	3.29	3.31	0.005972	36.76719
0.8	371.98	1.15	2.07	7.27	3.51	5.05	0.69	3.35	2.92	0.007738	52.02684
0.9	372.1	1.26	2.33	9.01	3.87	7.77	0.5	3.38	2.68	0.009101	43.97238
1	372.16	1.33	2.44	9.93	4.06	7.77	0.52	3.38	2.55	0.008062	40.88816
1.1	372.2	1.36	2.52	10.53	4.17	7.77	0.54	3.38	2.49	0.009199	47.8901
1.2	372.2	1.36	2.53	10.57	4.18	7.77	0.54	3.38	2.48	0.008676	45.28255
1.3	372.2	1.36	2.52	10.52	4.17	7.77	0.54	3.38	2.49	0.009031	47.01886
1.4	372.17	1.33	2.44	9.93	4.07	7.77	0.52	3.38	2.54	0.008714	44.27768
1.5	372.13	1.29	2.33	9.2	3.94	7.77	0.51	3.38	2.62	0.008116	39.89851
1.6	372.07	1.23	2.27	8.56	3.77	5.23	0.72	3.38	2.74	0.007451	52.09135

1.7	372.01	1.18	2.16	7.76	3.6	5.12	0.7	3.36	2.85	0.007309	49.8082
1.8	371.98	1.14	2.07	7.21	3.48	5.05	0.69	3.35	2.93	0.007154	47.86455
1.9	371.94	1.1	1.98	6.66	3.36	4.97	0.68	3.33	3.02	0.006232	40.84306
2	371.91	1.07	1.91	6.21	3.26	4.91	0.66	3.32	3.1	0.005949	38.27727
2.1	371.88	1.04	1.84	5.82	3.17	4.85	0.65	3.31	3.17	0.005712	36.13615
2.2	371.86	1.02	1.79	5.53	3.1	4.81	0.64	3.3	3.23	0.005603	34.97007
2.3	371.85	1.01	1.75	5.31	3.04	4.77	0.64	3.3	3.28	0.005492	33.90802
2.4	371.83	0.99	1.71	5.14	3	4.75	0.63	3.29	3.31	0.005437	33.27218
2.5	371.82	0.99	1.69	5.03	2.97	4.73	0.63	3.29	3.34	0.005356	32.58909

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8944

MASSIMA PORTATA 10.96 AT TIME 1.13
 MASSIMA QUOTA PELO LIBERO 372.07 AT TIME 1.17

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.83	0	0	0	0	0	0	0	0	0	0
0.1	370.83	0	0	0	0	0	0	0	0	0	0
0.2	370.83	0	0	0	0	0	0	0	0	0	0
0.3	370.83	0	0	0	0	0	0	0	0	0	0
0.4	370.83	0	0	0	0	0	0	0	0	0	0
0.5	370.83	0	0	0	0	0	0	0	0	0	0
0.6	371.24	0.41	0.66	1.24	1.89	4.06	0.47	3.61	8.69	0.004541	20.48642
0.7	371.75	0.92	1.62	5.12	3.17	5.1	0.62	3.81	4.12	0.005674	34.16692
0.8	371.88	1.05	1.98	7.26	3.67	5.37	0.68	3.86	3.66	0.00748	49.64017
0.9	371.97	1.14	2.25	9	4.01	5.55	0.72	3.89	3.41	0.008265	57.92221
1	372.01	1.19	2.37	9.92	4.18	5.64	0.74	3.91	3.3	0.008759	63.0145
1.1	372.04	1.21	2.45	10.53	4.29	5.69	0.75	3.92	3.23	0.009147	66.83877
1.2	372.04	1.22	2.46	10.57	4.3	5.7	0.75	3.92	3.23	0.009105	66.61672
1.3	372.04	1.21	2.45	10.52	4.29	5.69	0.75	3.92	3.23	0.009202	67.243
1.4	372.02	1.19	2.37	9.93	4.19	5.64	0.74	3.91	3.29	0.008522	61.35199
1.5	371.98	1.15	2.27	9.2	4.06	5.57	0.73	3.9	3.38	0.007812	55.11757
1.6	371.95	1.12	2.18	8.56	3.92	5.5	0.71	3.89	3.47	0.006954	48.07709
1.7	371.91	1.08	2.07	7.76	3.76	5.41	0.69	3.87	3.59	0.006679	44.93957
1.8	371.88	1.05	1.98	7.22	3.64	5.36	0.68	3.86	3.68	0.00644	42.46489
1.9	371.85	1.02	1.89	6.67	3.52	5.29	0.67	3.85	3.78	0.005984	38.59277
2	371.82	0.99	1.82	6.21	3.42	5.24	0.65	3.83	3.87	0.005744	36.3027
2.1	371.8	0.97	1.75	5.82	3.32	5.19	0.64	3.83	3.95	0.00551	34.18291
2.2	371.78	0.95	1.7	5.53	3.25	5.15	0.63	3.82	4.02	0.005404	33.02684
2.3	371.76	0.93	1.66	5.31	3.19	5.12	0.62	3.81	4.08	0.005288	31.93917
2.4	371.75	0.92	1.63	5.14	3.15	5.1	0.62	3.81	4.13	0.005239	31.3361
2.5	371.74	0.92	1.61	5.03	3.12	5.08	0.61	3.8	4.16	0.005161	30.67137

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9038

MASSIMA PORTATA 10.98 AT TIME 1.13
 MASSIMA QUOTA PELO LIBERO 371.99 AT TIME 1.13

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.83	0	0	0	0	0	0	0	0	0	0
0.1	370.83	0	0	0	0	0	0	0	0	0	0
0.2	370.83	0	0	0	0	0	0	0	0	0	0
0.3	370.83	0	0	0	0	0	0	0	0	0	0
0.4	370.83	0	0	0	0	0	0	0	0	0	0
0.5	370.83	0	0	0	0	0	0	0	0	0	0
0.6	371.2	0.37	0.6	1.16	1.94	4.35	0.45	4	10.85	0.003273	14.13409
0.7	371.7	0.87	1.57	5.1	3.25	5.38	0.6	4.22	4.86	0.003579	20.96344
0.8	371.82	0.99	1.91	7.25	3.8	5.64	0.67	4.28	4.31	0.004414	28.83085
0.9	371.9	1.07	2.16	9	4.16	5.8	0.72	4.32	4.02	0.003825	26.62415
1	371.94	1.11	2.28	9.91	4.35	5.88	0.74	4.34	3.89	0.004758	34.09617
1.1	371.97	1.14	2.36	10.52	4.47	5.93	0.75	4.35	3.81	0.004513	32.91885
1.2	371.97	1.14	2.36	10.56	4.47	5.94	0.75	4.35	3.81	0.004706	34.36985
1.3	371.97	1.14	2.36	10.53	4.47	5.93	0.75	4.35	3.81	0.004779	34.8625
1.4	371.94	1.12	2.28	9.94	4.35	5.88	0.74	4.34	3.89	0.004137	29.67488
1.5	371.91	1.08	2.19	9.2	4.21	5.82	0.72	4.32	3.99	0.00392	27.48315
1.6	371.88	1.05	2.1	8.56	4.08	5.76	0.71	4.31	4.09	0.003809	26.12599
1.7	371.84	1.02	1.99	7.77	3.9	5.68	0.69	4.29	4.22	0.003712	24.71405
1.8	371.82	0.99	1.91	7.22	3.78	5.62	0.67	4.28	4.33	0.003628	23.6134
1.9	371.79	0.96	1.83	6.67	3.64	5.56	0.66	4.27	4.45	0.003521	22.35588
2	371.76	0.93	1.76	6.21	3.53	5.51	0.64	4.25	4.56	0.00341	21.17569
2.1	371.74	0.91	1.7	5.82	3.43	5.46	0.63	4.24	4.66	0.00333	20.25554
2.2	371.72	0.89	1.65	5.53	3.35	5.43	0.62	4.24	4.75	0.00329	19.68181

2.3	371.71	0.88	1.61	5.31	3.29	5.4	0.61	4.23	4.81	0.003245	19.1599
2.4	371.7	0.87	1.59	5.14	3.24	5.38	0.6	4.22	4.87	0.003236	18.90134
2.5	371.69	0.86	1.57	5.03	3.21	5.36	0.6	4.22	4.9	0.003199	18.5549

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9132

MASSIMA PORTATA 10.99 AT TIME 1.13
MASSIMA QUOTA PELO LIBERO 371.91 AT TIME 1.13

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.82	0	0	0	0	0	0	0	0	0	0
0.1	370.82	0	0	0	0	0	0	0	0	0	0
0.2	370.82	0	0	0	0	0	0	0	0	0	0
0.3	370.82	0	0	0	0	0	0	0	0	0	0
0.4	370.82	0	0	0	0	0	0	0	0	0	0
0.5	370.82	0	0	0	0	0	0	0	0	0	0
0.6	371.15	0.33	0.66	1.09	1.65	4.71	0.35	4.47	13.61	0.005666	19.23508
0.7	371.62	0.81	1.76	5.08	2.89	5.77	0.5	4.77	5.91	0.005725	27.82668
0.8	371.75	0.93	2.08	7.24	3.48	6.02	0.58	4.82	5.19	0.005781	32.43554
0.9	371.83	1.01	2.31	8.99	3.9	6.19	0.63	4.86	4.8	0.005412	33.05057
1	371.87	1.05	2.41	9.9	4.1	6.27	0.65	4.88	4.63	0.006435	40.80392
1.1	371.9	1.08	2.48	10.52	4.23	6.32	0.67	4.89	4.53	0.006326	41.07713
1.2	371.9	1.08	2.49	10.56	4.25	6.33	0.67	4.89	4.53	0.006142	39.95416
1.3	371.9	1.08	2.49	10.53	4.24	6.32	0.67	4.89	4.53	0.006462	41.96246
1.4	371.87	1.05	2.42	9.94	4.11	6.27	0.66	4.88	4.63	0.005646	35.87059
1.5	371.84	1.02	2.33	9.21	3.95	6.21	0.64	4.86	4.76	0.00574	35.39773
1.6	371.81	0.99	2.25	8.57	3.8	6.15	0.62	4.85	4.88	0.005986	35.8928
1.7	371.77	0.96	2.15	7.77	3.61	6.07	0.6	4.83	5.06	0.005823	33.5924
1.8	371.75	0.93	2.08	7.22	3.48	6.02	0.58	4.82	5.19	0.005731	32.10649
1.9	371.72	0.9	2	6.67	3.33	5.96	0.56	4.81	5.34	0.005728	31.07843
2	371.69	0.87	1.94	6.22	3.21	5.91	0.54	4.8	5.48	0.005347	28.18799
2.1	371.67	0.85	1.88	5.83	3.1	5.86	0.53	4.79	5.61	0.0054	27.7173
2.2	371.65	0.84	1.83	5.53	3.02	5.83	0.52	4.78	5.72	0.005364	26.94685
2.3	371.64	0.82	1.8	5.31	2.95	5.8	0.51	4.77	5.81	0.005386	26.6022
2.4	371.63	0.81	1.77	5.14	2.9	5.78	0.5	4.77	5.88	0.005398	26.29423
2.5	371.62	0.8	1.75	5.03	2.87	5.76	0.5	4.77	5.92	0.005391	26.02138

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9227

MASSIMA PORTATA 11.03 AT TIME 1.13
MASSIMA QUOTA PELO LIBERO 371.75 AT TIME 1.15

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.82	0	0	0	0	0	0	0	0	0	0
0.1	370.82	0	0	0	0	0	0	0	0	0	0
0.2	370.82	0	0	0	0	0	0	0	0	0	0
0.3	370.82	0	0	0	0	0	0	0	0	0	0
0.4	370.82	0	0	0	0	0	0	0	0	0	0
0.5	370.82	0	0	0	0	0	0	0	0	0	0
0.6	371.06	0.24	0.72	1.03	1.44	3.71	0.39	3.67	15.29	0.013634	51.47597
0.7	371.46	0.65	1.92	5.05	2.63	5.86	0.45	5.29	8.21	0.015898	69.12479
0.8	371.58	0.76	2.26	7.23	3.19	6.1	0.52	5.33	7	0.017562	89.18973
0.9	371.66	0.84	2.42	8.98	3.71	6.26	0.59	5.36	6.35	0.016064	92.11316
1	371.7	0.88	2.52	9.9	3.93	6.34	0.62	5.37	6.08	0.016996	102.0166
1.1	371.73	0.91	2.57	10.52	4.09	6.4	0.64	5.38	5.91	0.017737	109.99984
1.2	371.73	0.91	2.57	10.56	4.1	6.4	0.64	5.38	5.89	0.017357	107.81653
1.3	371.73	0.91	2.58	10.54	4.08	6.4	0.64	5.38	5.91	0.016739	103.55187
1.4	371.7	0.89	2.52	9.95	3.95	6.35	0.62	5.37	6.06	0.016833	101.43108
1.5	371.67	0.85	2.44	9.21	3.77	6.29	0.6	5.36	6.27	0.017452	101.54978
1.6	371.64	0.83	2.37	8.58	3.62	6.23	0.58	5.35	6.48	0.015882	89.41763
1.7	371.61	0.79	2.28	7.78	3.42	6.15	0.56	5.34	6.77	0.015701	84.53594
1.8	371.58	0.76	2.21	7.23	3.28	6.1	0.54	5.33	6.99	0.015521	80.81385
1.9	371.55	0.74	2.13	6.68	3.13	6.04	0.52	5.32	7.24	0.015152	76.09269
2	371.53	0.71	2.1	6.22	2.97	6	0.49	5.32	7.47	0.015881	76.16213
2.1	371.51	0.69	2.06	5.83	2.83	5.95	0.48	5.31	7.69	0.015576	71.83003
2.2	371.49	0.67	2.01	5.53	2.76	5.92	0.47	5.3	7.86	0.015384	69.37966
2.3	371.48	0.66	1.97	5.31	2.7	5.9	0.46	5.3	8.01	0.015215	67.44513
2.4	371.47	0.65	1.94	5.14	2.65	5.88	0.45	5.3	8.12	0.015086	65.89188
2.5	371.46	0.65	1.92	5.03	2.62	5.86	0.45	5.3	8.2	0.015008	64.9537

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9322

MASSIMA PORTATA 12.29 AT TIME 1.04
MASSIMA QUOTA PELO LIBERO 371.61 AT TIME 1.15

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.62	0	0	0	0	0	0	0	0	0	0
0.1	370.62	0	0	0	0	0	0	0	0	0	0
0.2	370.62	0	0	0	0	0	0	0	0	0	0
0.3	370.62	0	0	0	0	0	0	0	0	0	0
0.4	370.62	0	0	0	0	0	0	0	0	0	0
0.5	370.62	0	0	0	0	0	0	0	0	0	0
0.6	370.84	0.22	0.48	0.97	2.04	5.16	0.4	5.02	22.62	0.011478	44.03808
0.7	371.23	0.62	1.36	5.03	3.71	6.02	0.62	5.15	8.37	0.013587	81.15549
0.8	371.34	0.72	1.6	7.21	4.52	6.23	0.73	5.16	7.17	0.015082	106.0837
0.9	371.45	0.83	1.71	8.96	5.23	6.46	0.81	5.17	6.2	0.014733	115.67354
1	371.5	0.88	1.78	9.89	5.56	6.55	0.85	5.17	5.88	0.015648	128.74878
1.1	371.53	0.92	1.81	10.5	5.82	6.62	0.88	5.18	5.65	0.014523	123.59154
1.2	371.53	0.92	1.81	10.56	5.83	6.63	0.88	5.18	5.65	0.015764	134.43073
1.3	371.53	0.91	1.82	10.52	5.79	6.62	0.88	5.18	5.68	0.015326	130.1011
1.4	371.5	0.88	1.77	9.94	5.6	6.56	0.85	5.17	5.85	0.01523	125.96574
1.5	371.47	0.85	1.73	9.23	5.35	6.49	0.82	5.17	6.09	0.014701	117.38081
1.6	371.44	0.82	1.67	8.58	5.13	6.43	0.8	5.17	6.31	0.014207	109.76923
1.7	371.4	0.78	1.61	7.78	4.84	6.35	0.76	5.16	6.62	0.013673	101.04706
1.8	371.37	0.75	1.56	7.23	4.64	6.3	0.74	5.16	6.86	0.013863	99.08603
1.9	371.34	0.72	1.5	6.68	4.44	6.24	0.71	5.16	7.12	0.013576	93.64468
2	371.3	0.68	1.48	6.23	4.22	6.16	0.68	5.15	7.52	0.013473	89.43377
2.1	371.27	0.65	1.44	5.83	4.04	6.1	0.66	5.15	7.87	0.01315	84.39093
2.2	371.26	0.64	1.41	5.54	3.93	6.07	0.65	5.15	8.03	0.012996	81.48492
2.3	371.25	0.63	1.38	5.32	3.85	6.05	0.64	5.15	8.16	0.012806	78.90306
2.4	371.24	0.62	1.36	5.14	3.78	6.04	0.63	5.15	8.27	0.012692	77.04033
2.5	371.24	0.62	1.35	5.03	3.74	6.03	0.62	5.15	8.34	0.01261	75.79761

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9417

MASSIMA PORTATA 11.55 AT TIME 1.1
MASSIMA QUOTA PELO LIBERO 371.54 AT TIME 1.1

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.61	0	0	0	0	0	0	0	0	0	0
0.1	370.61	0	0	0	0	0	0	0	0	0	0
0.2	370.61	0	0	0	0	0	0	0	0	0	0
0.3	370.61	0	0	0	0	0	0	0	0	0	0
0.4	370.61	0	0	0	0	0	0	0	0	0	0
0.5	370.61	0	0	0	0	0	0	0	0	0	0
0.6	370.78	0.18	0.39	0.86	2.21	8.34	0.27	8.26	46.76	0.004383	11.26764
0.7	371.2	0.59	1.13	4.98	4.43	9.88	0.45	9.1	15.44	0.002627	11.40649
0.8	371.32	0.71	1.29	7.18	5.55	10.13	0.55	9.13	12.82	0.001752	9.31198
0.9	371.41	0.8	1.4	8.96	6.39	10.31	0.62	9.16	11.38	0.003162	18.99125
1	371.46	0.85	1.45	9.9	6.82	10.41	0.66	9.17	10.77	0.003443	21.86303
1.1	371.49	0.89	1.48	10.5	7.12	10.48	0.68	9.18	10.35	0.002728	17.95481
1.2	371.5	0.89	1.48	10.58	7.15	10.48	0.68	9.18	10.33	0.002566	16.95577
1.3	371.49	0.88	1.48	10.54	7.12	10.47	0.68	9.17	10.38	0.00318	20.94879
1.4	371.46	0.86	1.45	9.96	6.87	10.42	0.66	9.17	10.7	0.002505	16.0071
1.5	371.43	0.82	1.41	9.23	6.54	10.35	0.63	9.16	11.15	0.00189	11.58649
1.6	371.4	0.79	1.37	8.59	6.26	10.29	0.61	9.15	11.58	0.003472	20.46794
1.7	371.36	0.75	1.32	7.79	5.89	10.21	0.58	9.14	12.18	0.00317	17.72778
1.8	371.33	0.72	1.29	7.24	5.63	10.15	0.55	9.14	12.65	0.002989	16.06211
1.9	371.3	0.69	1.25	6.69	5.36	10.09	0.53	9.13	13.16	0.003167	16.31085
2	371.28	0.67	1.22	6.23	5.13	10.04	0.51	9.12	13.66	0.002322	11.49642
2.1	371.25	0.65	1.19	5.84	4.93	9.99	0.49	9.12	14.13	0.002471	11.80565
2.2	371.24	0.63	1.16	5.54	4.77	9.96	0.48	9.11	14.5	0.002534	11.76715
2.3	371.22	0.62	1.14	5.32	4.66	9.94	0.47	9.11	14.77	0.002608	11.85435
2.4	371.21	0.61	1.13	5.14	4.57	9.92	0.46	9.11	15.02	0.002672	11.92427
2.5	371.21	0.6	1.12	5.03	4.51	9.9	0.45	9.11	15.18	0.002695	11.88426

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9512

MASSIMA PORTATA 11.22 AT TIME 1.13
MASSIMA QUOTA PELO LIBERO 371.51 AT TIME 1.1

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.49	0	0	0	0	0	0	0	0	0	0
0.1	370.49	0	0	0	0	0	0	0	0	0	0
0.2	370.49	0	0	0	0	0	0	0	0	0	0
0.3	370.49	0	0	0	0	0	0	0	0	0	0
0.4	370.49	0	0	0	0	0	0	0	0	0	0
0.5	370.49	0	0	0	0	0	0	0	0	0	0
0.6	370.67	0.18	0.43	0.77	1.79	5.44	0.33	5.43	29.63	0.006006	19.15602
0.7	371.15	0.66	1.25	4.93	3.94	8.92	0.44	8.29	12.47	0.0033	14.10663
0.8	371.29	0.81	1.41	7.16	5.08	9.21	0.55	8.33	10.32	0.002237	11.95653
0.9	371.4	0.91	1.52	8.94	5.9	9.41	0.63	8.35	9.2	0.002237	13.57834
1	371.45	0.96	1.57	9.89	6.32	9.52	0.66	8.37	8.72	0.001908	12.26887
1.1	371.48	0.99	1.6	10.49	6.58	9.58	0.69	8.38	8.44	0.002555	16.9935
1.2	371.49	1	1.6	10.58	6.62	9.59	0.69	8.38	8.4	0.001488	9.94853
1.3	371.48	1	1.6	10.55	6.61	9.59	0.69	8.38	8.41	0.001508	10.06915
1.4	371.45	0.97	1.57	9.96	6.37	9.53	0.67	8.37	8.66	0.001762	11.4077
1.5	371.41	0.93	1.53	9.24	6.05	9.45	0.64	8.36	9.02	0.002328	14.44735
1.6	371.38	0.89	1.49	8.6	5.77	9.38	0.61	8.35	9.36	0.002627	15.65084
1.7	371.34	0.85	1.44	7.8	5.4	9.29	0.58	8.34	9.84	0.002947	16.61296
1.8	371.3	0.82	1.41	7.25	5.15	9.23	0.56	8.33	10.21	0.00264	14.26878
1.9	371.27	0.78	1.37	6.7	4.89	9.16	0.53	8.32	10.62	0.002797	14.45334
2	371.24	0.76	1.34	6.24	4.66	9.11	0.51	8.31	11	0.003155	15.65545
2.1	371.22	0.73	1.31	5.84	4.47	9.06	0.49	8.31	11.35	0.003325	15.89306
2.2	371.2	0.71	1.28	5.54	4.31	9.02	0.48	8.3	11.65	0.003406	15.78637
2.3	371.19	0.7	1.27	5.32	4.2	8.99	0.47	8.3	11.87	0.003509	15.90038
2.4	371.18	0.69	1.25	5.15	4.11	8.97	0.46	8.29	12.06	0.003566	15.84006
2.5	371.17	0.68	1.24	5.03	4.05	8.95	0.45	8.29	12.19	0.003604	15.80213

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9607

MASSIMA PORTATA 11.18 AT TIME 1.1
MASSIMA QUOTA PELO LIBERO 371.43 AT TIME 1.1

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.37	0	0	0	0	0	0	0	0	0	0
0.1	370.37	0	0	0	0	0	0	0	0	0	0
0.2	370.37	0	0	0	0	0	0	0	0	0	0
0.3	370.37	0	0	0	0	0	0	0	0	0	0
0.4	370.37	0	0	0	0	0	0	0	0	0	0
0.5	370.37	0	0	0	0	0	0	0	0	0	0
0.6	370.53	0.16	0.42	0.69	1.64	4.68	0.35	4.59	27.97	0.007541	25.67643
0.7	371.05	0.68	1.34	4.89	3.64	7.95	0.46	7.33	10.74	0.005705	25.36065
0.8	371.2	0.84	1.51	7.13	4.74	8.37	0.57	7.5	8.96	0.004887	26.8032
0.9	371.31	0.94	1.62	8.92	5.52	8.59	0.64	7.52	7.97	0.004539	28.2497
1	371.37	1	1.67	9.89	5.91	8.7	0.68	7.53	7.54	0.004345	28.6112
1.1	371.4	1.03	1.71	10.49	6.15	8.76	0.7	7.54	7.31	0.004006	27.23787
1.2	371.4	1.04	1.71	10.58	6.19	8.78	0.71	7.54	7.27	0.004285	29.29355
1.3	371.4	1.04	1.71	10.55	6.18	8.77	0.7	7.54	7.28	0.004053	27.68748
1.4	371.37	1.01	1.67	9.97	5.96	8.71	0.68	7.53	7.49	0.004483	29.73495
1.5	371.33	0.96	1.63	9.25	5.67	8.63	0.66	7.52	7.8	0.004659	29.65433
1.6	371.3	0.93	1.59	8.61	5.4	8.56	0.63	7.52	8.1	0.004714	28.83448
1.7	371.25	0.88	1.54	7.8	5.06	8.46	0.6	7.51	8.52	0.004979	28.83494
1.8	371.22	0.85	1.51	7.25	4.81	8.4	0.57	7.5	8.85	0.005247	29.16124
1.9	371.18	0.81	1.47	6.7	4.57	8.33	0.55	7.49	9.21	0.00541	28.75933
2	371.15	0.78	1.43	6.24	4.36	8.27	0.53	7.49	9.54	0.005468	27.91652
2.1	371.13	0.76	1.4	5.85	4.17	8.22	0.51	7.48	9.85	0.005601	27.56077
2.2	371.11	0.74	1.38	5.54	4.02	8.18	0.49	7.48	10.11	0.005664	27.0206
2.3	371.09	0.73	1.36	5.33	3.92	8.14	0.48	7.47	10.3	0.005747	26.82862
2.4	371.08	0.71	1.34	5.15	3.83	8.09	0.47	7.43	10.42	0.005789	26.60317
2.5	371.07	0.71	1.33	5.03	3.78	8.05	0.47	7.4	10.5	0.005814	26.44461

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9702

MASSIMA PORTATA 11.12 AT TIME 1.1
MASSIMA QUOTA PELO LIBERO 371.34 AT TIME 1.1

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	370.25	0	0	0	0	0	0	0	0	0	0
0.1	370.25	0	0	0	0	0	0	0	0	0	0
0.2	370.25	0	0	0	0	0	0	0	0	0	0
0.3	370.25	0	0	0	0	0	0	0	0	0	0
0.4	370.25	0	0	0	0	0	0	0	0	0	0
0.5	370.25	0	0	0	0	0	0	0	0	0	0
0.6	370.4	0.15	0.38	0.61	1.58	4.24	0.37	4.09	26.95	0.007016	25.33433
0.7	370.95	0.7	1.38	4.84	3.5	7.47	0.47	6.72	9.59	0.005209	23.65174
0.8	371.11	0.86	1.58	7.11	4.5	7.82	0.58	6.76	7.85	0.004696	26.20153
0.9	371.22	0.97	1.71	8.91	5.2	8.04	0.65	6.78	6.96	0.004154	26.03396
1	371.28	1.03	1.78	9.88	5.56	8.16	0.68	6.79	6.59	0.003985	26.31485
1.1	371.31	1.06	1.82	10.48	5.77	8.23	0.7	6.79	6.38	0.004007	27.2634
1.2	371.32	1.07	1.82	10.58	5.81	8.24	0.71	6.79	6.35	0.003794	25.94571
1.3	371.32	1.07	1.82	10.55	5.81	8.24	0.71	6.79	6.35	0.003659	25.01457
1.4	371.29	1.04	1.78	9.97	5.61	8.17	0.69	6.79	6.54	0.004084	27.17528
1.5	371.24	1	1.73	9.26	5.34	8.09	0.66	6.78	6.81	0.004203	26.90903
1.6	371.21	0.96	1.69	8.62	5.1	8.01	0.64	6.78	7.07	0.004312	26.6032
1.7	371.16	0.91	1.63	7.81	4.79	7.91	0.6	6.77	7.45	0.004654	27.27763
1.8	371.12	0.87	1.59	7.26	4.56	7.84	0.58	6.77	7.74	0.00487	27.46093
1.9	371.09	0.84	1.55	6.71	4.34	7.77	0.56	6.76	8.06	0.005071	27.42793
2	371.06	0.81	1.51	6.25	4.14	7.71	0.54	6.76	8.35	0.005185	26.99677
2.1	371.03	0.78	1.47	5.85	3.97	7.66	0.52	6.75	8.63	0.005339	26.85055
2.2	371.01	0.76	1.44	5.55	3.84	7.62	0.5	6.75	8.87	0.005406	26.40215
2.3	370.99	0.75	1.42	5.33	3.74	7.59	0.49	6.75	9.04	0.005503	26.31402
2.4	370.98	0.73	1.41	5.15	3.66	7.56	0.48	6.75	9.2	0.005561	26.10646
2.5	370.97	0.73	1.39	5.04	3.61	7.55	0.48	6.75	9.3	0.005594	25.94562

0.5	370.02	0	0	0	0	0	0	0	0	0	0
0.6	370.14	0.12	0.35	0.44	1.27	3.26	0.39	3.14	25.47	0.006338	23.81862
0.7	370.74	0.72	1.75	4.76	2.71	5.99	0.45	5.06	7.05	0.003545	15.55856
0.8	370.89	0.88	2.13	7.07	3.31	6.31	0.53	5.08	5.8	0.005786	29.44942
0.9	371	0.98	2.44	8.89	3.65	6.52	0.56	5.09	5.2	0.009497	51.50053
1	371.05	1.03	2.56	9.87	3.86	6.62	0.58	5.1	4.94	0.010151	57.34341
1.1	371.08	1.06	2.62	10.47	4	6.69	0.6	5.1	4.79	0.01107	64.23324
1.2	371.09	1.07	2.62	10.57	4.04	6.7	0.6	5.1	4.76	0.011023	64.46137
1.3	371.09	1.07	2.59	10.55	4.07	6.7	0.61	5.1	4.76	0.010791	63.45605
1.4	371.06	1.04	2.52	9.99	3.96	6.65	0.6	5.1	4.89	0.011817	68.22504
1.5	371.02	1	2.46	9.27	3.76	6.56	0.57	5.09	5.09	0.011744	65.28783
1.6	370.98	0.96	2.4	8.63	3.6	6.49	0.55	5.09	5.28	0.011671	62.69322
1.7	370.93	0.91	2.32	7.82	3.37	6.39	0.53	5.08	5.56	0.011822	60.43043
1.8	370.9	0.88	2.27	7.27	3.21	6.32	0.51	5.08	5.77	0.011568	56.87229
1.9	370.86	0.84	2.21	6.72	3.04	6.25	0.49	5.07	6.01	0.011337	53.48595
2	370.83	0.81	2.16	6.26	2.9	6.19	0.47	5.07	6.23	0.011037	50.13156
2.1	370.81	0.79	2.11	5.86	2.77	6.13	0.45	5.07	6.43	0.010702	46.89663
2.2	370.78	0.77	2.07	5.55	2.69	6.09	0.44	5.06	6.61	0.009618	41.09774
2.3	370.77	0.75	2	5.33	2.66	6.06	0.44	5.06	6.73	0.009385	39.9446
2.4	370.76	0.74	1.97	5.15	2.62	6.04	0.43	5.06	6.84	0.008734	36.71592
2.5	370.75	0.73	1.94	5.04	2.6	6.02	0.43	5.06	6.91	0.00825	34.55848

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9987

MASSIMA PORTATA 11.03 AT TIME 1.11
MASSIMA QUOTA PELO LIBERO 370.79 AT TIME 1.22

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.9	0	0	0	0	0	0	0	0	0	0
0.1	369.9	0	0	0	0	0	0	0	0	0	0
0.2	369.9	0	0	0	0	0	0	0	0	0	0
0.3	369.9	0	0	0	0	0	0	0	0	0	0
0.4	369.9	0	0	0	0	0	0	0	0	0	0
0.5	369.9	0	0	0	0	0	0	0	0	0	0
0.6	369.99	0.09	0.39	0.37	0.95	3.11	0.31	3.1	34.63	0.025323	74.87104
0.7	370.54	0.64	2.45	4.73	1.93	5.07	0.38	4.12	6.44	0.028789	106.31295
0.8	370.65	0.75	2.75	7.06	2.57	5.29	0.49	4.15	5.54	0.030043	141.36929
0.9	370.68	0.79	2.73	8.89	3.26	5.37	0.61	4.15	5.29	0.027161	160.0399
1	370.72	0.82	2.7	9.87	3.66	5.44	0.67	4.16	5.05	0.026942	175.61208
1.1	370.75	0.85	2.69	10.47	3.9	5.5	0.71	4.17	4.89	0.026228	180.15697
1.2	370.76	0.86	2.61	10.57	4.05	5.52	0.73	4.17	4.83	0.024992	177.45273
1.3	370.77	0.87	2.55	10.55	4.13	5.54	0.75	4.17	4.78	0.024114	174.14859
1.4	370.76	0.86	2.42	9.99	4.12	5.51	0.75	4.17	4.86	0.021882	158.66037
1.5	370.71	0.81	2.33	9.27	3.98	5.43	0.73	4.16	5.11	0.021514	153.07748
1.6	370.68	0.78	2.27	8.64	3.81	5.35	0.71	4.15	5.33	0.021573	148.74203
1.7	370.63	0.73	2.21	7.83	3.55	5.26	0.67	4.14	5.67	0.021684	141.78391
1.8	370.59	0.69	2.19	7.28	3.32	5.18	0.64	4.13	5.95	0.022273	138.09776
1.9	370.56	0.66	2.2	6.72	3.05	5.11	0.6	4.13	6.27	0.02281	131.98201
2	370.53	0.63	2.19	6.26	2.86	5.05	0.57	4.12	6.57	0.023513	129.1826
2.1	370.5	0.6	2.21	5.87	2.66	4.99	0.53	4.11	6.87	0.024148	124.75069
2.2	370.48	0.58	2.24	5.55	2.48	4.96	0.5	4.11	7.06	0.024766	120.10265
2.3	370.49	0.59	2.22	5.33	2.41	4.97	0.48	4.11	6.99	0.024922	117.05806
2.4	370.48	0.58	2.22	5.15	2.32	4.96	0.47	4.11	7.05	0.025493	115.60714
2.5	370.48	0.58	2.25	5.04	2.24	4.96	0.45	4.11	7.03	0.025878	113.11629

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10082

MASSIMA PORTATA 11.12 AT TIME 1.11
MASSIMA QUOTA PELO LIBERO 370.64 AT TIME 1.36

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.51	0	0	0	0	0	0	0	0	0	0
0.1	369.51	0	0	0	0	0	0	0	0	0	0
0.2	369.51	0	0	0	0	0	0	0	0	0	0
0.3	369.51	0	0	0	0	0	0	0	0	0	0
0.4	369.51	0	0	0	0	0	0	0	0	0	0
0.5	369.51	0	0	0	0	0	0	0	0	0	0
0.6	369.57	0.06	0.29	0.36	1.22	1.84	0.66	1.79	31.34	0.030584	196.37451
0.7	369.91	0.4	1.73	4.7	2.73	5.04	0.54	4.65	11.49	0.031435	164.66885
0.8	370.09	0.58	1.72	7.03	4.09	5.72	0.71	5.07	8.74	0.024021	166.29483
0.9	370.33	0.83	1.59	8.85	5.58	6.21	0.9	5.13	6.22	0.017079	148.56732
1	370.46	0.95	1.55	9.8	6.34	6.46	0.98	5.16	5.44	0.014031	133.4086

1.1	370.53	1.02	1.53	10.44	6.83	6.6	1.03	5.17	5.09	0.01232	123.59778
1.2	370.57	1.07	1.49	10.56	7.09	6.7	1.06	5.18	4.86	0.010981	112.68987
1.3	370.6	1.09	1.46	10.54	7.21	6.75	1.07	5.19	4.76	0.010639	110.29707
1.4	370.61	1.1	1.38	9.96	7.19	6.77	1.06	5.19	4.72	0.009256	95.3818
1.5	370.59	1.08	1.32	9.26	7.02	6.73	1.04	5.19	4.8	0.00892	90.21704
1.6	370.55	1.04	1.28	8.64	6.76	6.65	1.02	5.18	4.97	0.009052	89.17257
1.7	370.49	0.98	1.23	7.84	6.37	6.52	0.98	5.16	5.28	0.010225	96.78675
1.8	370.43	0.92	1.21	7.29	6.02	6.4	0.94	5.15	5.61	0.010979	100.15089
1.9	370.35	0.84	1.2	6.73	5.6	6.25	0.9	5.13	6.08	0.011902	103.4017
2	370.3	0.8	1.18	6.27	5.32	6.15	0.86	5.12	6.44	0.012871	107.83601
2.1	370.25	0.74	1.17	5.87	5	6.04	0.83	5.11	6.91	0.013982	112.24153
2.2	370.19	0.68	1.19	5.56	4.68	5.93	0.79	5.1	7.46	0.016243	124.24983
2.3	370.16	0.65	1.19	5.34	4.48	5.86	0.76	5.09	7.84	0.016742	124.04557
2.4	370.13	0.62	1.2	5.16	4.3	5.8	0.74	5.08	8.21	0.018193	130.72334
2.5	370.09	0.59	1.23	5.04	4.1	5.73	0.72	5.07	8.67	0.01942	134.77988

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10177

MASSIMA PORTATA 11.17 AT TIME 1.23
MASSIMA QUOTA PELO LIBERO 370.74 AT TIME 1.27

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.12	0	0	0	0	0	0	0	0	0	0
0.1	369.12	0	0	0	0	0	0	0	0	0	0
0.2	369.12	0	0	0	0	0	0	0	0	0	0
0.3	369.12	0	0	0	0	0	0	0	0	0	0
0.4	369.12	0	0	0	0	0	0	0	0	0	0
0.5	369.12	0	0	0	0	0	0	0	0	0	0
0.6	369.19	0.07	0.17	0.26	1.57	4	0.39	3.99	58.42	0.008816	33.61917
0.7	369.83	0.71	1.15	4.64	4.02	7.13	0.56	6.08	8.58	0.003534	19.3051
0.8	370.14	1.02	1.17	6.97	5.94	7.77	0.76	6.18	6.03	0	0
0.9	370.42	1.3	1.15	8.81	7.64	8.34	0.92	6.26	4.8	0	0
1	370.56	1.44	1.15	9.79	8.51	8.62	0.99	6.3	4.37	0	0
1.1	370.66	1.54	1.14	10.43	9.12	8.82	1.03	6.33	4.1	0	0
1.2	370.7	1.59	1.13	10.56	9.38	8.91	1.05	6.34	4	0	0
1.3	370.72	1.6	1.11	10.55	9.5	8.95	1.06	6.35	3.96	0	0
1.4	370.71	1.59	1.06	10	9.41	8.91	1.06	6.35	3.99	0	0
1.5	370.67	1.55	1.01	9.3	9.16	8.84	1.04	6.33	4.09	0	0
1.6	370.62	1.5	0.98	8.66	8.84	8.73	1.01	6.32	4.21	0	0
1.7	370.55	1.43	0.94	7.86	8.39	8.59	0.98	6.3	4.41	0	0
1.8	370.49	1.37	0.91	7.3	8.02	8.47	0.95	6.28	4.59	0	0
1.9	370.41	1.29	0.89	6.74	7.56	8.32	0.91	6.26	4.84	0	0
2	370.36	1.24	0.87	6.28	7.24	8.21	0.88	6.24	5.02	0	0
2.1	370.31	1.19	0.85	5.88	6.9	8.1	0.85	6.23	5.24	0	0
2.2	370.25	1.13	0.85	5.57	6.54	7.99	0.82	6.21	5.5	0	0
2.3	370.21	1.09	0.85	5.35	6.31	7.91	0.8	6.2	5.67	0	0
2.4	370.18	1.06	0.85	5.17	6.11	7.84	0.78	6.19	5.84	0	0
2.5	370.14	1.02	0.86	5.05	5.89	7.77	0.76	6.18	6.03	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10272

MASSIMA PORTATA 11.13 AT TIME 1.23
MASSIMA QUOTA PELO LIBERO 370.75 AT TIME 1.27

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.06	0	0	0	0	0	0	0	0	0	0
0.1	369.06	0	0	0	0	0	0	0	0	0	0
0.2	369.06	0	0	0	0	0	0	0	0	0	0
0.3	369.06	0	0	0	0	0	0	0	0	0	0
0.4	369.06	0	0	0	0	0	0	0	0	0	0
0.5	369.06	0	0	0	0	0	0	0	0	0	0
0.6	369.12	0.06	0.12	0.16	1.26	1.7	0.74	1.7	29.77	0.003397	24.29679
0.7	369.83	0.78	1.2	4.58	3.83	6.99	0.55	5.99	7.72	0.00102	5.41358
0.8	370.17	1.11	1.18	6.92	5.89	7.67	0.77	6.09	5.48	0.000113	0.84095
0.9	370.44	1.38	1.16	8.78	7.56	8.22	0.92	6.18	4.47	0	0
1	370.58	1.52	1.16	9.79	8.42	8.5	0.99	6.23	4.1	0.000451	4.33413
1.1	370.67	1.61	1.16	10.43	9.01	8.69	1.04	6.26	3.87	0	0
1.2	370.71	1.65	1.14	10.55	9.27	8.77	1.06	6.27	3.79	0	0
1.3	370.73	1.67	1.12	10.55	9.38	8.81	1.07	6.27	3.75	0.000417	4.30364
1.4	370.72	1.66	1.08	10	9.3	8.78	1.06	6.27	3.78	0.00019	1.95351
1.5	370.68	1.62	1.03	9.29	9.05	8.7	1.04	6.26	3.86	0	0
1.6	370.63	1.57	0.99	8.66	8.74	8.59	1.02	6.24	3.98	0	0

1.7	370.55	1.5	0.95	7.87	8.3	8.45	0.98	6.22	4.15	0	0
1.8	370.49	1.44	0.92	7.31	7.93	8.33	0.95	6.2	4.31	0	0
1.9	370.42	1.36	0.9	6.76	7.48	8.18	0.91	6.18	4.53	0.000183	1.6186
2	370.37	1.31	0.88	6.28	7.16	8.08	0.89	6.16	4.69	0	0
2.1	370.31	1.26	0.86	5.89	6.82	7.96	0.86	6.14	4.89	0.000152	1.25832
2.2	370.26	1.2	0.86	5.57	6.46	7.85	0.82	6.12	5.11	0	0
2.3	370.22	1.16	0.86	5.35	6.24	7.77	0.8	6.11	5.26	0	0
2.4	370.19	1.13	0.86	5.17	6.04	7.7	0.78	6.1	5.4	0.000301	2.28265
2.5	370.15	1.09	0.87	5.05	5.81	7.63	0.76	6.09	5.57	0.000228	1.68593

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10367

MASSIMA	PORTATA	11.14	AT TIME	1.23
MASSIMA	QUOTA PELO LIBERO	370.74	AT TIME	1.27

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369	0	0	0	0	0	0	0	0	0	0
0.1	369	0	0	0	0	0	0	0	0	0	0
0.2	369	0	0	0	0	0	0	0	0	0	0
0.3	369	0	0	0	0	0	0	0	0	0	0
0.4	369	0	0	0	0	0	0	0	0	0	0
0.5	369	0	0	0	0	0	0	0	0	0	0
0.6	369.04	0.04	0.09	0.08	0.89	0.75	1.19	0.74	18.69	0.007036	80.95099
0.7	369.77	0.77	1.26	4.51	3.58	6.67	0.54	5.86	7.62	0.003552	18.45163
0.8	370.14	1.14	1.17	6.86	5.87	7.43	0.79	5.99	5.24	0.001594	12.19527
0.9	370.42	1.42	1.15	8.74	7.59	8	0.95	6.09	4.28	0.00139	12.77858
1	370.56	1.56	1.16	9.78	8.45	8.29	1.02	6.14	3.93	0.001285	12.70632
1.1	370.66	1.66	1.15	10.42	9.05	8.48	1.07	6.17	3.72	0.001085	11.22188
1.2	370.7	1.7	1.13	10.54	9.3	8.56	1.09	6.19	3.64	0.000721	7.5969
1.3	370.72	1.72	1.12	10.55	9.42	8.6	1.1	6.19	3.6	0.001438	15.26083
1.4	370.7	1.71	1.07	10.01	9.34	8.58	1.09	6.19	3.63	0.001196	12.62481
1.5	370.66	1.67	1.02	9.3	9.1	8.5	1.07	6.17	3.71	0.001332	13.83419
1.6	370.61	1.62	0.99	8.67	8.79	8.39	1.05	6.16	3.81	0.000806	8.18324
1.7	370.54	1.54	0.94	7.88	8.36	8.25	1.01	6.13	3.97	0.000907	8.90493
1.8	370.48	1.48	0.92	7.32	7.99	8.13	0.98	6.11	4.12	0.000731	6.97184
1.9	370.41	1.41	0.9	6.77	7.55	7.98	0.95	6.09	4.31	0.000918	8.41408
2	370.36	1.36	0.87	6.29	7.23	7.87	0.92	6.07	4.46	0.000933	8.30858
2.1	370.3	1.3	0.86	5.9	6.9	7.76	0.89	6.05	4.64	0.00095	8.18355
2.2	370.24	1.24	0.85	5.58	6.54	7.64	0.86	6.03	4.84	0.001075	8.91315
2.3	370.21	1.21	0.85	5.35	6.31	7.56	0.83	6.01	4.98	0.001083	8.75861
2.4	370.17	1.17	0.85	5.18	6.1	7.5	0.81	6	5.12	0.00118	9.31918
2.5	370.13	1.14	0.86	5.05	5.88	7.42	0.79	5.99	5.27	0.001243	9.54656

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10462

MASSIMA	PORTATA	11.10	AT TIME	1.23
MASSIMA	QUOTA PELO LIBERO	370.73	AT TIME	1.34

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.94	0	0	0	0	0	0	0	0	0	0
0.1	368.94	0	0	0	0	0	0	0	0	0	0
0.2	368.94	0	0	0	0	0	0	0	0	0	0
0.3	368.94	0	0	0	0	0	0	0	0	0	0
0.4	368.94	0	0	0	0	0	0	0	0	0	0
0.5	368.94	0	0	0	0	0	0	0	0	0	0
0.6	368.96	0.02	0.05	0.02	0.02	0.42	0	0.42	0	0.013541	0
0.7	369.69	0.75	1.25	4.43	3.54	6.61	0.53	5.77	7.72	0.003348	17.35654
0.8	370.11	1.17	1.11	6.8	6.14	7.48	0.82	5.92	5.04	0.001517	12.07599
0.9	370.4	1.46	1.1	8.71	7.9	8.07	0.98	6.02	4.11	0.001182	11.22891
1	370.55	1.61	1.11	9.75	8.77	8.36	1.05	6.07	3.78	0.000553	5.62614
1.1	370.64	1.71	1.11	10.41	9.37	8.56	1.09	6.1	3.58	0.001072	11.37786
1.2	370.69	1.75	1.09	10.53	9.63	8.65	1.11	6.12	3.5	0.000702	7.57833
1.3	370.71	1.77	1.08	10.55	9.75	8.68	1.12	6.13	3.47	0.001186	12.90751
1.4	370.69	1.75	1.04	10.01	9.67	8.66	1.12	6.12	3.49	0.000498	5.38744
1.5	370.65	1.72	0.99	9.31	9.44	8.58	1.1	6.11	3.56	0.001212	12.92857
1.6	370.6	1.67	0.95	8.68	9.13	8.48	1.08	6.09	3.66	0.001247	13.02242
1.7	370.53	1.59	0.91	7.9	8.7	8.33	1.04	6.07	3.8	0.000621	6.28806
1.8	370.47	1.53	0.88	7.33	8.34	8.21	1.02	6.04	3.94	0.000487	4.78792
1.9	370.4	1.46	0.86	6.78	7.9	8.06	0.98	6.02	4.12	0.000743	7.05283
2	370.35	1.41	0.83	6.3	7.58	7.96	0.95	6	4.26	0.000888	8.19841
2.1	370.29	1.35	0.82	5.91	7.24	7.84	0.92	5.98	4.42	0.000891	7.97098
2.2	370.23	1.29	0.81	5.59	6.88	7.72	0.89	5.96	4.61	0.001012	8.74817

2.3	370.19	1.25	0.8	5.36	6.66	7.64	0.87	5.95	4.74	0.000936	7.90686
2.4	370.16	1.22	0.8	5.19	6.44	7.57	0.85	5.93	4.87	0.000945	7.7985
2.5	370.12	1.18	0.81	5.06	6.22	7.49	0.83	5.92	5.02	0.001108	8.92219

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10557

MASSIMA PORTATA 11.10 AT TIME 1.23
MASSIMA QUOTA PELO LIBERO 370.72 AT TIME 1.27

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.87	0	0	0	0	0	0	0	0	0	0
0.1	368.87	0	0	0	0	0	0	0	0	0	0
0.2	368.87	0	0	0	0	0	0	0	0	0	0
0.3	368.87	0	0	0	0	0	0	0	0	0	0
0.4	368.87	0	0	0	0	0	0	0	0	0	0
0.5	368.87	0	0	0	0	0	0	0	0	0	0
0.6	368.87	0	0.01	0	0	0	0	0	0	0.016636	0
0.7	369.6	0.73	1.21	4.3	3.54	6.57	0.54	5.68	7.75	0.00292	15.26839
0.8	370.09	1.22	1.04	6.72	6.48	7.56	0.86	5.85	4.78	0.001238	10.28462
0.9	370.39	1.52	1.05	8.67	8.26	8.17	1.01	5.96	3.91	0.000852	8.35049
1	370.54	1.67	1.07	9.72	9.11	8.47	1.08	6.01	3.6	0.000316	3.29761
1.1	370.64	1.77	1.07	10.41	9.71	8.67	1.12	6.04	3.42	0.000686	7.44155
1.2	370.68	1.81	1.06	10.52	9.96	8.76	1.14	6.06	3.35	0.000658	7.25259
1.3	370.7	1.83	1.05	10.56	10.08	8.8	1.15	6.06	3.31	0.001073	11.92579
1.4	370.69	1.82	1	10.02	10	8.77	1.14	6.06	3.33	0.000287	3.17021
1.5	370.65	1.78	0.95	9.32	9.79	8.69	1.13	6.05	3.4	0.000658	7.17458
1.6	370.6	1.73	0.92	8.7	9.48	8.59	1.1	6.03	3.49	0.001098	11.74295
1.7	370.53	1.66	0.87	7.91	9.06	8.45	1.07	6	3.62	0.000179	1.85947
1.8	370.46	1.6	0.84	7.34	8.7	8.32	1.05	5.98	3.75	0.00036	3.64629
1.9	370.39	1.52	0.82	6.8	8.27	8.17	1.01	5.96	3.91	0.000602	5.9
2	370.34	1.47	0.79	6.31	7.95	8.06	0.99	5.94	4.04	0.000618	5.90926
2.1	370.28	1.41	0.78	5.92	7.61	7.95	0.96	5.92	4.19	0.000748	6.94604
2.2	370.22	1.35	0.77	5.6	7.26	7.83	0.93	5.9	4.36	0.00077	6.92514
2.3	370.18	1.32	0.76	5.36	7.04	7.75	0.91	5.88	4.47	0.000777	6.84316
2.4	370.15	1.28	0.76	5.2	6.82	7.67	0.89	5.87	4.6	0.000654	5.64025
2.5	370.11	1.24	0.77	5.07	6.61	7.6	0.87	5.86	4.72	0.000815	6.87335

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10651

MASSIMA PORTATA 11.12 AT TIME 1.23
MASSIMA QUOTA PELO LIBERO 370.71 AT TIME 1.27

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.79	0	0	0	0	0	0	0	0	0	0
0.1	368.79	0	0	0	0	0	0	0	0	0	0
0.2	368.79	0	0	0	0	0	0	0	0	0	0
0.3	368.79	0	0	0	0	0	0	0	0	0	0
0.4	368.79	0	0	0	0	0	0	0	0	0	0
0.5	368.79	0	0	0	0	0	0	0	0	0	0
0.6	368.79	0	0	0	0	0	0	0	0	0	0
0.7	369.51	0.72	1.13	4.15	3.68	6.52	0.56	5.56	7.7	0.002492	13.61461
0.8	370.08	1.29	0.96	6.65	6.9	7.66	0.9	5.73	4.45	0.000804	7.01785
0.9	370.38	1.59	1	8.63	8.65	8.28	1.04	5.82	3.65	0.000843	8.53819
1	370.52	1.74	1.02	9.7	9.48	8.57	1.11	5.87	3.38	0.000507	5.43324
1.1	370.63	1.84	1.03	10.38	10.07	12.06	0.83	5.87	3.19	0.00046	3.71996
1.2	370.67	1.88	1.02	10.51	10.32	12.06	0.86	5.87	3.12	0.000623	5.17225
1.3	370.69	1.9	1.01	10.56	10.44	12.06	0.87	5.87	3.09	0.00061	5.11986
1.4	370.68	1.89	0.97	10.02	10.36	12.06	0.86	5.87	3.11	0.000719	5.99166
1.5	370.64	1.85	0.92	9.33	10.16	12.06	0.84	5.87	3.17	0.000547	4.46283
1.6	370.59	1.8	0.89	8.72	9.85	12.06	0.82	5.87	3.26	0.000302	2.3937
1.7	370.52	1.73	0.84	7.93	9.46	8.56	1.11	5.86	3.39	0.000217	2.32845
1.8	370.46	1.67	0.81	7.35	9.11	8.44	1.08	5.85	3.5	0.000536	5.61218
1.9	370.38	1.6	0.79	6.81	8.68	8.29	1.05	5.82	3.65	0.00048	4.87439
2	370.33	1.54	0.75	6.32	8.37	8.18	1.02	5.81	3.77	0.000325	3.22615
2.1	370.27	1.48	0.74	5.94	8.04	8.06	1	5.79	3.9	0.000487	4.71126
2.2	370.21	1.42	0.73	5.61	7.69	7.94	0.97	5.77	4.05	0.000428	4.02296
2.3	370.17	1.39	0.72	5.37	7.47	7.86	0.95	5.76	4.16	0.000645	5.94198
2.4	370.14	1.35	0.72	5.2	7.25	7.79	0.93	5.75	4.26	0.000442	3.99302
2.5	370.1	1.31	0.72	5.07	7.05	7.71	0.91	5.74	4.37	0.000382	3.38246

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10746

MASSIMA PORTATA 11.09 AT TIME 1.23
MASSIMA QUOTA PELO LIBERO 370.7 AT TIME 1.27

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.72	0	0	0	0	0	0	0	0	0	0
0.1	368.72	0	0	0	0	0	0	0	0	0	0
0.2	368.72	0	0	0	0	0	0	0	0	0	0
0.3	368.72	0	0	0	0	0	0	0	0	0	0
0.4	368.72	0	0	0	0	0	0	0	0	0	0
0.5	368.72	0	0	0	0	0	0	0	0	0	0
0.6	368.72	0	0	0	0	0	0	0	0	0	0
0.7	369.43	0.71	1.06	3.98	3.77	6.56	0.58	5.43	7.62	0.001549	8.64069
0.8	370.07	1.35	0.91	6.57	7.22	7.84	0.92	5.65	4.19	0.000748	6.66503
0.9	370.37	1.65	0.96	8.56	8.92	11.52	0.77	5.73	3.47	0.000874	6.55659
1	370.51	1.8	0.99	9.65	9.75	11.52	0.85	5.73	3.19	0.000747	6.12764
1.1	370.62	1.9	1	10.36	10.33	11.52	0.9	5.73	3.02	0.000418	3.62915
1.2	370.66	1.94	0.99	10.49	10.58	11.52	0.92	5.73	2.95	0.000699	6.22626
1.3	370.68	1.96	0.99	10.56	10.7	11.52	0.93	5.73	2.92	0.000321	2.88729
1.4	370.67	1.95	0.94	10.03	10.62	11.52	0.92	5.73	2.94	0.000829	7.40452
1.5	370.63	1.91	0.9	9.35	10.42	11.52	0.9	5.73	2.99	0.000487	4.27408
1.6	370.58	1.86	0.86	8.74	10.12	11.52	0.88	5.73	3.08	0	0
1.7	370.51	1.79	0.82	7.95	9.74	11.52	0.85	5.73	3.19	0.000666	5.45968
1.8	370.45	1.73	0.78	7.37	9.39	11.52	0.82	5.73	3.3	0.000479	3.78582
1.9	370.38	1.66	0.76	6.84	8.97	11.52	0.78	5.73	3.45	0.000415	3.13522
2	370.32	1.61	0.73	6.33	8.67	11.52	0.75	5.73	3.57	0.000328	2.3925
2.1	370.27	1.55	0.71	5.95	8.35	8.25	1.01	5.71	3.69	0.000362	3.55354
2.2	370.21	1.49	0.7	5.62	8.01	8.13	0.99	5.69	3.82	0.000276	2.63531
2.3	370.17	1.45	0.69	5.37	7.79	8.05	0.97	5.68	3.92	0.000471	4.42073
2.4	370.13	1.41	0.69	5.21	7.57	7.97	0.95	5.67	4.02	0.000364	3.35174
2.5	370.09	1.38	0.69	5.08	7.37	7.9	0.93	5.66	4.11	0.00032	2.89264

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10842

MASSIMA PORTATA 11.14 AT TIME 1.23
MASSIMA QUOTA PELO LIBERO 370.69 AT TIME 1.27

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.64	0	0	0	0	0	0	0	0	0	0
0.1	368.64	0	0	0	0	0	0	0	0	0	0
0.2	368.64	0	0	0	0	0	0	0	0	0	0
0.3	368.64	0	0	0	0	0	0	0	0	0	0
0.4	368.64	0	0	0	0	0	0	0	0	0	0
0.5	368.64	0	0	0	0	0	0	0	0	0	0
0.6	368.64	0	0	0	0	0	0	0	0	0	0
0.7	369.36	0.72	1	3.81	3.8	6.36	0.6	5.33	7.36	0.000874	5.05998
0.8	370.06	1.42	0.87	6.48	7.46	7.78	0.96	5.58	3.93	0.000783	7.27856
0.9	370.36	1.72	0.93	8.49	9.11	11.06	0.82	5.62	3.27	0.000689	5.49832
1	370.51	1.87	0.97	9.61	9.94	11.06	0.9	5.62	3.01	0.000931	8.10686
1.1	370.61	1.97	0.98	10.34	10.51	11.06	0.95	5.62	2.85	0.000283	2.61064
1.2	370.65	2.02	0.97	10.48	10.76	11.06	0.97	5.62	2.79	0.000689	6.49798
1.3	370.68	2.04	0.97	10.56	10.88	11.06	0.98	5.62	2.76	0.000306	2.91879
1.4	370.66	2.02	0.93	10.03	10.8	11.06	0.98	5.62	2.78	0.000827	7.82641
1.5	370.63	1.99	0.88	9.36	10.61	11.06	0.96	5.62	2.83	0.000499	4.6427
1.6	370.57	1.93	0.85	8.76	10.31	11.06	0.93	5.62	2.9	0.000174	1.57587
1.7	370.51	1.87	0.8	7.98	9.95	11.06	0.9	5.62	3.01	0.000757	6.60516
1.8	370.45	1.81	0.77	7.39	9.61	11.06	0.87	5.62	3.11	0.000451	3.79922
1.9	370.37	1.73	0.75	6.87	9.18	11.06	0.83	5.62	3.24	0.000408	3.28676
2	370.32	1.68	0.71	6.35	8.89	11.06	0.8	5.62	3.35	0.000402	3.13318
2.1	370.26	1.62	0.7	5.97	8.58	11.06	0.78	5.62	3.46	0.000433	3.25287
2.2	370.2	1.56	0.68	5.64	8.25	11.06	0.75	5.62	3.59	0.000412	2.9757
2.3	370.16	1.52	0.67	5.38	8.03	7.99	1.01	5.61	3.68	0.000362	3.52986
2.4	370.12	1.49	0.67	5.22	7.82	7.91	0.99	5.6	3.77	0.000434	4.16253
2.5	370.09	1.45	0.67	5.09	7.62	7.84	0.97	5.59	3.85	0.000395	3.72133

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10937

MASSIMA PORTATA 11.15 AT TIME 1.11
MASSIMA QUOTA PELO LIBERO 370.69 AT TIME 1.26

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.57	0	0	0	0	0	0	0	0	0	0
0.1	368.57	0	0	0	0	0	0	0	0	0	0
0.2	368.57	0	0	0	0	0	0	0	0	0	0
0.3	368.57	0	0	0	0	0	0	0	0	0	0
0.4	368.57	0	0	0	0	0	0	0	0	0	0
0.5	368.57	0	0	0	0	0	0	0	0	0	0
0.6	368.57	0	0	0	0	0	0	0	0	0	0
0.7	369.3	0.73	0.93	3.63	3.89	6.35	0.61	5.25	7.18	0.000911	5.40702
0.8	370.05	1.48	0.82	6.37	7.73	10.59	0.73	5.5	3.71	0.000872	6.16656
0.9	370.35	1.78	0.9	8.43	9.34	10.59	0.88	5.5	3.09	0.000778	6.65018
1	370.5	1.93	0.94	9.56	10.15	10.59	0.96	5.5	2.85	0.001056	9.81009
1.1	370.6	2.03	0.96	10.32	10.71	10.59	1.01	5.5	2.7	0.000758	7.43297
1.2	370.65	2.08	0.96	10.47	10.96	10.59	1.03	5.5	2.64	0.000969	9.72009
1.3	370.67	2.1	0.95	10.56	11.08	10.59	1.05	5.5	2.62	0.000555	5.63036
1.4	370.65	2.09	0.91	10.04	11	10.59	1.04	5.5	2.64	0.000597	6.01175
1.5	370.62	2.05	0.87	9.37	10.81	10.59	1.02	5.5	2.68	0.000598	5.91642
1.6	370.57	2	0.83	8.77	10.53	10.59	0.99	5.5	2.75	0.000421	4.05989
1.7	370.5	1.93	0.79	8	10.17	10.59	0.96	5.5	2.84	0.000438	4.07596
1.8	370.44	1.87	0.75	7.42	9.84	10.59	0.93	5.5	2.94	0.000703	6.33287
1.9	370.36	1.8	0.73	6.89	9.42	10.59	0.89	5.5	3.06	0.000478	4.12201
2	370.31	1.74	0.7	6.36	9.14	10.59	0.86	5.5	3.16	0.000539	4.50746
2.1	370.26	1.69	0.68	5.99	8.84	10.59	0.83	5.5	3.26	0.000311	2.51704
2.2	370.19	1.63	0.66	5.66	8.51	10.59	0.8	5.5	3.38	0.000488	3.79922
2.3	370.16	1.59	0.65	5.39	8.3	10.59	0.78	5.5	3.46	0.000395	3.00431
2.4	370.12	1.55	0.65	5.23	8.09	10.59	0.76	5.5	3.55	0.000554	4.10236
2.5	370.08	1.52	0.65	5.1	7.9	10.59	0.75	5.5	3.63	0.000594	4.29485

CHANNEL HYDROGRAPH FOR ELEMENT NO: 11033

MASSIMA PORTATA 11.20 AT TIME 1.11
MASSIMA QUOTA PELO LIBERO 370.69 AT TIME 1.27

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.49	0	0	0	0	0	0	0	0	0	0
0.1	368.49	0	0	0	0	0	0	0	0	0	0
0.2	368.49	0	0	0	0	0	0	0	0	0	0
0.3	368.49	0	0	0	0	0	0	0	0	0	0
0.4	368.49	0	0	0	0	0	0	0	0	0	0
0.5	368.49	0	0	0	0	0	0	0	0	0	0
0.6	368.49	0	0	0	0	0	0	0	0	0	0
0.7	369.24	0.75	0.73	3.38	4.63	6.33	0.73	5.18	6.91	0.000764	5.41234
0.8	370.04	1.55	0.66	6.22	9.38	10.05	0.93	5.32	3.43	0.000728	6.59134
0.9	370.34	1.85	0.74	8.35	11.25	10.05	1.12	5.32	2.87	0.000704	7.64952
1	370.49	2.01	0.78	9.51	12.19	10.05	1.21	5.32	2.65	0.000859	10.10696
1.1	370.6	2.11	0.8	10.29	12.84	10.05	1.28	5.32	2.52	0.001017	12.59655
1.2	370.64	2.16	0.8	10.46	13.13	10.05	1.31	5.32	2.47	0.000942	11.93579
1.3	370.67	2.18	0.8	10.56	13.27	10.05	1.32	5.32	2.44	0.000697	8.91651
1.4	370.65	2.16	0.76	10.06	13.17	10.05	1.31	5.32	2.46	0.000519	6.59973
1.5	370.62	2.13	0.72	9.39	12.96	10.05	1.29	5.32	2.5	0.000518	6.47898
1.6	370.56	2.08	0.7	8.79	12.63	10.05	1.26	5.32	2.56	0.000565	6.88622
1.7	370.5	2.01	0.66	8.03	12.22	10.05	1.22	5.32	2.65	0.000395	4.66316
1.8	370.44	1.95	0.63	7.44	11.83	10.05	1.18	5.32	2.73	0.000541	6.17818
1.9	370.36	1.87	0.61	6.92	11.35	10.05	1.13	5.32	2.84	0.000409	4.47643
2	370.31	1.82	0.58	6.38	11.02	10.05	1.1	5.32	2.93	0.00047	4.9953
2.1	370.25	1.76	0.56	6.02	10.67	10.05	1.06	5.32	3.02	0.000353	3.63262
2.2	370.19	1.7	0.55	5.68	10.29	10.05	1.02	5.32	3.13	0.000352	3.49295
2.3	370.15	1.66	0.54	5.4	10.04	10.05	1	5.32	3.2	0.000315	3.0561
2.4	370.11	1.63	0.54	5.25	9.8	10.05	0.98	5.32	3.27	0.00035	3.3073
2.5	370.08	1.59	0.53	5.11	9.58	10.05	0.95	5.32	3.35	0.0005	4.62171

CHANNEL HYDROGRAPH FOR ELEMENT NO: 11129

MASSIMA PORTATA 11.17 AT TIME 1.23
MASSIMA QUOTA PELO LIBERO 370.69 AT TIME 1.27

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	368.49	0	0	0	0	0	0	0	0	0	0
0.1	368.49	0	0	0	0	0	0	0	0	0	0
0.2	368.49	0	0	0	0	0	0	0	0	0	0
0.3	368.49	0	0	0	0	0	0	0	0	0	0
0.4	368.49	0	0	0	0	0	0	0	0	0	0
0.5	368.49	0	0	0	0	0	0	0	0	0	0
0.6	368.49	0	0	0	0	0	0	0	0	0	0
0.7	369.21	0.72	0.52	3.09	5.95	8.16	0.73	7	9.75	0.000202	1.43037
0.8	370.04	1.55	0.51	6.06	11.98	11.66	1.03	7.21	4.64	0.000279	2.77777
0.9	370.35	1.86	0.57	8.25	14.38	11.66	1.23	7.21	3.88	0.000154	1.84272
1	370.5	2.01	0.61	9.44	15.58	11.66	1.34	7.21	3.59	0.000216	2.80124
1.1	370.6	2.11	0.63	10.26	16.39	11.66	1.41	7.21	3.41	0.000434	5.90469
1.2	370.65	2.16	0.62	10.44	16.76	11.66	1.44	7.21	3.34	0.000261	3.63252
1.3	370.67	2.18	0.62	10.55	16.94	11.66	1.45	7.21	3.31	0.000349	4.90805
1.4	370.65	2.17	0.6	10.08	16.82	11.66	1.44	7.21	3.33	0.000229	3.19734
1.5	370.62	2.13	0.57	9.41	16.56	11.66	1.42	7.21	3.38	0	0
1.6	370.57	2.08	0.55	8.82	16.13	11.66	1.38	7.21	3.47	0.000155	2.08102
1.7	370.5	2.01	0.52	8.07	15.61	11.66	1.34	7.21	3.58	0.000206	2.67456
1.8	370.44	1.95	0.49	7.47	15.11	11.66	1.3	7.21	3.7	0	0
1.9	370.36	1.87	0.48	6.96	14.5	11.66	1.24	7.21	3.85	0	0
2	370.31	1.82	0.46	6.41	14.07	11.66	1.21	7.21	3.96	0	0
2.1	370.25	1.77	0.44	6.05	13.62	11.66	1.17	7.21	4.08	0.000198	2.23593
2.2	370.19	1.7	0.43	5.7	13.13	11.66	1.13	7.21	4.23	0.000175	1.91032
2.3	370.15	1.67	0.42	5.42	12.82	11.66	1.1	7.21	4.33	0	0
2.4	370.12	1.63	0.42	5.27	12.51	11.66	1.07	7.21	4.43	0.00009	0.93476
2.5	370.08	1.59	0.42	5.12	12.22	11.66	1.05	7.21	4.53	0	0

0.5	368.49	0	0	0	0	0	0	0	0	0	0
0.6	368.49	0	0	0	0	0	0	0	0	0	0
0.7	369.17	0.69	0.38	2.45	6.39	8.81	0.73	8.01	11.67	0.000529	3.72157
0.8	370.04	1.56	0.44	5.81	13.1	14.1	0.93	9.49	6.1	0.000496	4.46659
0.9	370.35	1.86	0.5	8.09	16.07	14.1	1.14	9.49	5.09	0.000508	5.60923
1	370.5	2.01	0.53	9.33	17.55	14.1	1.24	9.49	4.71	0.000428	5.16363
1.1	370.6	2.11	0.55	10.2	18.55	14.1	1.31	9.49	4.49	0.000667	8.49522
1.2	370.65	2.16	0.55	10.41	19	14.1	1.35	9.49	4.39	0.000365	4.76391
1.3	370.67	2.18	0.55	10.55	19.22	14.1	1.36	9.49	4.34	0.000334	4.41212
1.4	370.66	2.17	0.53	10.09	19.08	14.1	1.35	9.49	4.37	0.000509	6.67119
1.5	370.62	2.14	0.5	9.42	18.76	14.1	1.33	9.49	4.44	0.000413	5.32155
1.6	370.57	2.08	0.49	8.86	18.23	14.1	1.29	9.49	4.56	0.000489	6.12924
1.7	370.51	2.02	0.46	8.12	17.59	14.1	1.25	9.49	4.7	0.000345	4.16724
1.8	370.44	1.95	0.44	7.52	16.97	14.1	1.2	9.49	4.85	0.000478	5.57979
1.9	370.37	1.88	0.43	7	16.22	14.1	1.15	9.49	5.05	0.00035	3.8958
2	370.31	1.83	0.41	6.44	15.69	14.1	1.11	9.49	5.2	0.000267	2.87477
2.1	370.26	1.77	0.4	6.09	15.13	14.1	1.07	9.49	5.36	0.000342	3.55419
2.2	370.2	1.71	0.39	5.73	14.53	14.1	1.03	9.49	5.56	0.000281	2.81028
2.3	370.16	1.67	0.38	5.43	14.14	14.1	1	9.49	5.69	0.000404	3.92296
2.4	370.12	1.63	0.38	5.29	13.76	14.1	0.98	9.49	5.82	0.00038	3.5902
2.5	370.08	1.59	0.38	5.14	13.4	14.1	0.95	9.49	5.95	0.00041	3.77545

CHANNEL HYDROGRAPH FOR ELEMENT NO: 11413

MASSIMA PORTATA 6.28 AT TIME 1.2
MASSIMA QUOTA PELO LIBERO 370.68 AT TIME 1.26

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.48	0	0	0	0	0	0	0	0	0	0
0.1	368.48	0	0	0	0	0	0	0	0	0	0
0.2	368.48	0	0	0	0	0	0	0	0	0	0
0.3	368.48	0	0	0	0	0	0	0	0	0	0
0.4	368.48	0	0	0	0	0	0	0	0	0	0
0.5	368.48	0	0	0	0	0	0	0	0	0	0
0.6	368.48	0	0	0	0	0	0	0	0	0	0
0.7	369.12	0.64	0.21	1.35	6.45	9.05	0.71	8.22	12.87	0.000172	1.18917
0.8	370.03	1.56	0.25	3.32	13.42	14.89	0.9	10.21	6.56	0.000246	2.15351
0.9	370.34	1.87	0.29	4.88	16.61	14.89	1.12	10.21	5.47	0.000121	1.31043
1	370.49	2.02	0.3	5.43	18.19	14.89	1.22	10.21	5.06	0	0
1.1	370.6	2.12	0.3	5.72	19.28	14.89	1.29	10.21	4.82	0	0
1.2	370.64	2.17	0.3	5.89	19.77	14.89	1.33	10.21	4.71	0	0
1.3	370.67	2.19	0.3	5.93	20	14.89	1.34	10.21	4.67	0	0
1.4	370.65	2.17	0.29	5.75	19.86	14.89	1.33	10.21	4.7	0	0
1.5	370.62	2.14	0.28	5.51	19.52	14.89	1.31	10.21	4.77	0	0
1.6	370.56	2.09	0.28	5.24	18.96	14.89	1.27	10.21	4.89	0	0
1.7	370.5	2.02	0.27	4.96	18.27	14.89	1.23	10.21	5.05	0	0
1.8	370.44	1.96	0.26	4.66	17.62	14.89	1.18	10.21	5.21	0.000085	0.9779
1.9	370.36	1.88	0.26	4.44	16.8	14.89	1.13	10.21	5.43	0	0
2	370.31	1.83	0.26	4.2	16.25	14.89	1.09	10.21	5.58	0.000137	1.45285
2.1	370.25	1.77	0.25	3.91	15.65	14.89	1.05	10.21	5.76	0.000084	0.85539
2.2	370.19	1.71	0.24	3.65	14.99	14.89	1.01	10.21	5.97	0.000199	1.94408
2.3	370.15	1.67	0.24	3.44	14.58	14.89	0.98	10.21	6.11	0.000311	2.95251
2.4	370.11	1.63	0.24	3.37	14.17	14.89	0.95	10.21	6.26	0.000192	1.76954
2.5	370.07	1.6	0.23	3.23	13.77	14.89	0.93	10.21	6.4	0.000251	2.25377

CHANNEL HYDROGRAPH FOR ELEMENT NO: 11508

MASSIMA PORTATA 20.58 AT TIME 1.23
MASSIMA QUOTA PELO LIBERO 370.66 AT TIME 1.26

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.48	0	0	0	0	0	0	0	0	0	0
0.1	368.48	0	0	0	0	0	0	0	0	0	0
0.2	368.48	0	0	0	0	0	0	0	0	0	0
0.3	368.48	0	0	0	0	0	0	0	0	0	0
0.4	368.48	0	0	0	0	0	0	0	0	0	0
0.5	368.48	0	0	0	0	0	0	0	0	0	0
0.6	368.48	0	0	0	0	0	0	0	0	0	0
0.7	369.06	0.58	0.49	3.2	6.6	8.73	0.76	7.83	13.43	0.001296	9.49346
0.8	370.01	1.54	0.78	10.32	13.23	15.73	0.84	10.9	7.1	0.001138	9.28147
0.9	370.32	1.84	0.86	14.35	16.63	15.73	1.06	10.9	5.91	0.000896	9.175
1	370.47	1.99	0.92	16.87	18.36	15.73	1.17	10.9	5.46	0.00057	6.44443

1.1	370.57	2.1	0.96	18.78	19.52	15.73	1.24	10.9	5.2	0.000502	6.03686
1.2	370.62	2.14	0.98	19.62	20.06	15.73	1.27	10.9	5.08	0.000413	5.10368
1.3	370.64	2.17	0.98	19.98	20.31	15.73	1.29	10.9	5.03	0.000325	4.07051
1.4	370.63	2.15	0.95	19.12	20.17	15.73	1.28	10.9	5.06	0.000454	5.64565
1.5	370.6	2.12	0.9	17.95	19.83	15.73	1.26	10.9	5.14	0.000638	7.79315
1.6	370.55	2.07	0.86	16.59	19.24	15.73	1.22	10.9	5.27	0.000674	7.98791
1.7	370.48	2	0.84	15.48	18.51	15.73	1.18	10.9	5.44	0.000438	4.98928
1.8	370.42	1.94	0.79	14.1	17.81	15.73	1.13	10.9	5.61	0.000653	7.17142
1.9	370.34	1.86	0.77	13.1	16.93	15.73	1.08	10.9	5.85	0.000726	7.57573
2	370.29	1.81	0.75	12.17	16.34	15.73	1.04	10.9	6.01	0.000799	8.04134
2.1	370.23	1.76	0.73	11.45	15.69	15.73	1	10.9	6.21	0.000779	7.53098
2.2	370.17	1.69	0.71	10.7	14.99	15.73	0.95	10.9	6.43	0.000847	7.82172
2.3	370.13	1.65	0.68	9.89	14.56	15.73	0.93	10.9	6.58	0.000907	8.13727
2.4	370.09	1.62	0.67	9.49	14.11	15.73	0.9	10.9	6.75	0.000853	7.41292
2.5	370.06	1.58	0.67	9.21	13.67	15.73	0.87	10.9	6.9	0.00096	8.09102

CHANNEL HYDROGRAPH FOR ELEMENT NO: 11602

MASSIMA PORTATA 20.66 AT TIME 1.21
MASSIMA QUOTA PELO LIBERO 370.63 AT TIME 1.26

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.48	0	0	0	0	0	0	0	0	0	0
0.1	368.48	0	0	0	0	0	0	0	0	0	0
0.2	368.48	0	0	0	0	0	0	0	0	0	0
0.3	368.48	0	0	0	0	0	0	0	0	0	0
0.4	368.48	0	0	0	0	0	0	0	0	0	0
0.5	368.48	0	0	0	0	0	0	0	0	0	0
0.6	368.48	0	0	0	0	0	0	0	0	0	0
0.7	368.98	0.5	0.46	2.87	6.18	8.83	0.7	8.16	16.38	0.001748	11.8731
0.8	369.96	1.49	0.77	10.16	13.21	13.59	0.97	11.61	7.81	0.001432	13.496
0.9	370.27	1.8	0.85	14.26	16.84	16.68	1.01	11.69	6.51	0.001282	12.54204
1	370.43	1.95	0.9	16.81	18.71	16.68	1.12	11.69	5.99	0.001073	11.6656
1.1	370.53	2.05	0.94	18.76	19.97	16.68	1.2	11.69	5.69	0.001094	12.70083
1.2	370.58	2.1	0.95	19.6	20.55	16.68	1.23	11.69	5.56	0.000966	11.53638
1.3	370.6	2.13	0.96	19.99	20.83	16.68	1.25	11.69	5.5	0.000992	12.00573
1.4	370.59	2.11	0.92	19.13	20.7	16.68	1.24	11.69	5.53	0.001087	13.07111
1.5	370.56	2.09	0.88	17.96	20.34	16.68	1.22	11.69	5.6	0.001145	13.53723
1.6	370.51	2.03	0.84	16.62	19.71	16.68	1.18	11.69	5.75	0.001001	11.46107
1.7	370.45	1.97	0.82	15.5	18.93	16.68	1.13	11.69	5.94	0.000694	7.63657
1.8	370.39	1.91	0.78	14.13	18.19	16.68	1.09	11.69	6.13	0.000963	10.17512
1.9	370.31	1.83	0.76	13.13	17.23	16.68	1.03	11.69	6.39	0.001045	10.46066
2	370.25	1.78	0.73	12.2	16.6	16.68	1	11.69	6.58	0.00101	9.73861
2.1	370.2	1.72	0.72	11.48	15.9	16.68	0.95	11.69	6.8	0.001055	9.75148
2.2	370.13	1.66	0.71	10.73	15.14	16.68	0.91	11.69	7.06	0.001031	9.07037
2.3	370.1	1.62	0.67	9.91	14.69	16.68	0.88	11.69	7.22	0.000988	8.43412
2.4	370.06	1.58	0.67	9.52	14.19	16.68	0.85	11.69	7.41	0.001105	9.1181
2.5	370.02	1.54	0.67	9.23	13.72	16.68	0.82	11.69	7.6	0.001151	9.17603

CHANNEL HYDROGRAPH FOR ELEMENT NO: 11695

MASSIMA PORTATA 20.63 AT TIME 1.21
MASSIMA QUOTA PELO LIBERO 370.63 AT TIME 1.26

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.47	0	0	0	0	0	0	0	0	0	0
0.1	368.47	0	0	0	0	0	0	0	0	0	0
0.2	368.47	0	0	0	0	0	0	0	0	0	0
0.3	368.47	0	0	0	0	0	0	0	0	0	0
0.4	368.47	0	0	0	0	0	0	0	0	0	0
0.5	368.47	0	0	0	0	0	0	0	0	0	0
0.6	368.47	0	0	0	0	0	0	0	0	0	0
0.7	368.94	0.47	0.41	2.43	5.94	9.29	0.64	8.73	18.38	0.000144	0.89011
0.8	369.96	1.49	0.8	9.96	12.42	14.39	0.86	12.24	8.22	0.000103	0.85892
0.9	370.27	1.8	0.89	14.16	15.99	17.65	0.91	12.45	6.92	0	0
1	370.42	1.96	0.94	16.74	17.82	17.65	1.01	12.45	6.37	0	0
1.1	370.53	2.06	0.98	18.72	19.06	17.65	1.08	12.45	6.04	0	0
1.2	370.58	2.11	1	19.56	19.63	17.65	1.11	12.45	5.9	0	0
1.3	370.6	2.13	1	19.98	19.9	17.65	1.13	12.45	5.84	0	0
1.4	370.59	2.12	0.97	19.14	19.78	17.65	1.12	12.45	5.87	0	0
1.5	370.56	2.09	0.92	17.97	19.44	17.65	1.1	12.45	5.95	0	0
1.6	370.51	2.04	0.88	16.64	18.82	17.65	1.07	12.45	6.11	0	0

1.7	370.44	1.97	0.86	15.53	18.05	17.65	1.02	12.45	6.31	0	0
1.8	370.38	1.91	0.82	14.16	17.32	17.65	0.98	12.45	6.51	0	0
1.9	370.3	1.83	0.8	13.16	16.38	17.65	0.93	12.45	6.79	0	0
2	370.25	1.78	0.78	12.22	15.76	17.65	0.89	12.45	6.99	0	0
2.1	370.19	1.72	0.76	11.52	15.07	17.65	0.85	12.45	7.23	0	0
2.2	370.13	1.66	0.75	10.76	14.32	17.65	0.81	12.45	7.5	0	0
2.3	370.09	1.62	0.72	9.93	13.88	17.65	0.79	12.45	7.67	0	0
2.4	370.05	1.58	0.71	9.55	13.38	17.65	0.76	12.45	7.88	0.000138	1.0178
2.5	370.01	1.54	0.72	9.26	12.91	17.65	0.73	12.45	8.08	0.000113	0.80017

CHANNEL HYDROGRAPH FOR ELEMENT NO: 11788

MASSIMA PORTATA 20.64 AT TIME 1.21
MASSIMA QUOTA PELO LIBERO 370.62 AT TIME 1.26

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.47	0	0	0	0	0	0	0	0	0	0
0.1	368.47	0	0	0	0	0	0	0	0	0	0
0.2	368.47	0	0	0	0	0	0	0	0	0	0
0.3	368.47	0	0	0	0	0	0	0	0	0	0
0.4	368.47	0	0	0	0	0	0	0	0	0	0
0.5	368.47	0	0	0	0	0	0	0	0	0	0
0.6	368.47	0	0	0	0	0	0	0	0	0	0
0.7	368.92	0.45	0.41	2.05	4.99	8.19	0.61	7.73	17.16	0.000221	1.3069
0.8	369.94	1.47	0.94	9.78	10.38	12.76	0.81	10.81	7.33	0.000226	1.78461
0.9	370.26	1.79	1.03	14.05	13.57	16.27	0.83	11.2	6.25	0	0
1	370.41	1.94	1.1	16.66	15.2	16.27	0.93	11.2	5.76	0	0
1.1	370.52	2.05	1.15	18.68	16.31	16.27	1	11.2	5.46	0	0
1.2	370.57	2.1	1.16	19.52	16.82	16.27	1.03	11.2	5.34	0	0
1.3	370.59	2.12	1.17	19.98	17.06	16.27	1.05	11.2	5.28	0	0
1.4	370.58	2.11	1.13	19.15	16.96	16.27	1.04	11.2	5.3	0	0
1.5	370.55	2.08	1.08	17.97	16.68	16.27	1.02	11.2	5.38	0	0
1.6	370.5	2.03	1.03	16.67	16.12	16.27	0.99	11.2	5.52	0	0
1.7	370.43	1.97	1.01	15.57	15.46	16.27	0.95	11.2	5.7	0	0
1.8	370.37	1.9	0.96	14.2	14.81	16.27	0.91	11.2	5.88	0	0
1.9	370.29	1.82	0.95	13.2	13.95	16.27	0.86	11.2	6.14	0.000082	0.68398
2	370.24	1.77	0.91	12.25	13.4	16.27	0.82	11.2	6.32	0.000137	1.09251
2.1	370.18	1.71	0.9	11.55	12.77	16.27	0.78	11.2	6.54	0.000145	1.10422
2.2	370.12	1.65	0.89	10.79	12.09	16.27	0.74	11.2	6.79	0.000138	0.99653
2.3	370.08	1.61	0.85	9.96	11.71	16.27	0.72	11.2	6.95	0.000178	1.24324
2.4	370.04	1.57	0.85	9.58	11.27	16.27	0.69	11.2	7.13	0.000237	1.59256
2.5	370	1.53	0.85	9.27	10.85	13.21	0.82	11.2	7.32	0.000134	1.06946

CHANNEL HYDROGRAPH FOR ELEMENT NO: 11881

MASSIMA PORTATA 20.56 AT TIME 1.21
MASSIMA QUOTA PELO LIBERO 370.6 AT TIME 1.26

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.46	0	0	0	0	0	0	0	0	0	0
0.1	368.46	0	0	0	0	0	0	0	0	0	0
0.2	368.46	0	0	0	0	0	0	0	0	0	0
0.3	368.46	0	0	0	0	0	0	0	0	0	0
0.4	368.46	0	0	0	0	0	0	0	0	0	0
0.5	368.46	0	0	0	0	0	0	0	0	0	0
0.6	368.46	0	0	0	0	0	0	0	0	0	0
0.7	368.88	0.42	0.43	1.75	4.02	6.61	0.61	6.17	14.57	0.00095	5.60251
0.8	369.91	1.45	1.14	9.63	8.42	11.15	0.75	9.25	6.36	0.000851	6.2294
0.9	370.23	1.77	1.25	13.95	11.21	15.1	0.74	9.9	5.59	0.000695	5.00064
1	370.38	1.93	1.31	16.59	12.66	15.1	0.84	9.9	5.14	0.000731	5.93873
1.1	370.49	2.03	1.37	18.66	13.64	15.1	0.9	9.9	4.88	0.000449	3.93127
1.2	370.54	2.08	1.38	19.49	14.1	15.1	0.93	9.9	4.76	0.000661	5.98339
1.3	370.56	2.1	1.39	19.96	14.31	15.1	0.95	9.9	4.71	0.000498	4.57568
1.4	370.55	2.09	1.34	19.16	14.24	15.1	0.94	9.9	4.73	0	0
1.5	370.53	2.07	1.28	17.97	14.02	15.1	0.93	9.9	4.79	0.00035	3.14589
1.6	370.47	2.02	1.23	16.69	13.53	15.1	0.9	9.9	4.91	0.00044	3.82567
1.7	370.41	1.95	1.2	15.6	12.96	15.1	0.86	9.9	5.07	0.000496	4.12494
1.8	370.35	1.89	1.14	14.24	12.46	15.1	0.83	9.9	5.23	0	0
1.9	370.27	1.81	1.13	13.23	11.71	15.1	0.78	9.9	5.47	0.000132	0.99076
2	370.22	1.76	1.09	12.28	11.22	15.1	0.74	9.9	5.63	0.000218	1.57158
2.1	370.16	1.7	1.09	11.58	10.65	15.1	0.71	9.9	5.83	0.000224	1.53377
2.2	370.09	1.63	1.08	10.82	10.02	15.1	0.66	9.9	6.06	0.000665	4.27718

2.3	370.06	1.6	1.04	9.98	9.64	15.1	0.64	9.9	6.2	0.000693	4.28842
2.4	370.01	1.56	1.04	9.6	9.26	11.79	0.79	9.78	6.28	0.000697	5.30828
2.5	369.97	1.52	1.05	9.29	8.89	11.53	0.77	9.57	6.31	0.000612	4.57342

CHANNEL HYDROGRAPH FOR ELEMENT NO: 11974

MASSIMA	PORTATA	20.45	AT TIME	1.24
MASSIMA	QUOTA PELO LIBERO	370.57	AT TIME	1.32

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.45	0	0	0	0	0	0	0	0	0	0
0.1	368.45	0	0	0	0	0	0	0	0	0	0
0.2	368.45	0	0	0	0	0	0	0	0	0	0
0.3	368.45	0	0	0	0	0	0	0	0	0	0
0.4	368.45	0	0	0	0	0	0	0	0	0	0
0.5	368.45	0	0	0	0	0	0	0	0	0	0
0.6	368.45	0	0	0	0	0	0	0	0	0	0
0.7	368.84	0.39	0.46	1.54	3.36	4.57	0.74	4.45	11.38	0.001841	13.1347
0.8	369.87	1.42	1.32	9.52	7.2	9.32	0.77	7.97	5.62	0.001734	12.99072
0.9	370.18	1.73	1.42	13.88	9.8	13.53	0.72	8.79	5.07	0.001739	12.21297
1	370.34	1.89	1.49	16.55	11.09	13.53	0.82	8.79	4.65	0.001601	12.72808
1.1	370.44	1.99	1.55	18.56	12.01	13.53	0.89	8.79	4.41	0.001462	12.57922
1.2	370.49	2.04	1.56	19.38	12.45	13.53	0.92	8.79	4.3	0.001682	15.0006
1.3	370.52	2.07	1.57	19.86	12.64	13.53	0.93	8.79	4.25	0.000544	4.9242
1.4	370.51	2.06	1.51	19.07	12.61	13.53	0.93	8.79	4.26	0.000858	7.7507
1.5	370.49	2.04	1.44	17.94	12.42	13.53	0.92	8.79	4.31	0.00131	11.66362
1.6	370.44	1.99	1.39	16.66	11.99	13.53	0.89	8.79	4.42	0.001445	12.41792
1.7	370.37	1.93	1.36	15.62	11.46	13.53	0.85	8.79	4.56	0.001029	8.4541
1.8	370.33	1.88	1.29	14.26	11.07	13.53	0.82	8.79	4.68	0.000663	5.2627
1.9	370.25	1.8	1.27	13.26	10.41	13.53	0.77	8.79	4.87	0.000704	5.25051
2	370.2	1.75	1.23	12.29	9.96	13.53	0.74	8.79	5.02	0.000811	5.79124
2.1	370.14	1.69	1.23	11.6	9.41	13.53	0.7	8.79	5.2	0.000936	6.30961
2.2	370.07	1.62	1.23	10.85	8.81	13.53	0.65	8.79	5.43	0.001292	8.16135
2.3	370.02	1.57	1.19	9.99	8.42	10.16	0.83	8.65	5.51	0.001321	10.60794
2.4	369.98	1.53	1.19	9.61	8.08	9.94	0.81	8.47	5.54	0.001316	10.36046
2.5	369.94	1.49	1.2	9.3	7.72	9.71	0.8	8.29	5.57	0.001356	10.45233

CHANNEL HYDROGRAPH FOR ELEMENT NO: 12068

MASSIMA	PORTATA	20.47	AT TIME	1.26
MASSIMA	QUOTA PELO LIBERO	370.58	AT TIME	1.32

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.44	0	0	0	0	0	0	0	0	0	0
0.1	368.44	0	0	0	0	0	0	0	0	0	0
0.2	368.44	0	0	0	0	0	0	0	0	0	0
0.3	368.44	0	0	0	0	0	0	0	0	0	0
0.4	368.44	0	0	0	0	0	0	0	0	0	0
0.5	368.44	0	0	0	0	0	0	0	0	0	0
0.6	368.44	0	0	0	0	0	0	0	0	0	0
0.7	368.79	0.36	0.45	1.38	3.08	3.85	0.8	3.74	10.53	0.002245	17.39567
0.8	369.81	1.37	1.43	9.44	6.61	8.81	0.75	7.59	5.52	0.001884	13.69669
0.9	370.14	1.7	1.5	13.8	9.18	13.04	0.7	8.42	4.94	0.001601	10.92173
1	370.29	1.85	1.58	16.43	10.38	13.04	0.8	8.42	4.56	0.001492	11.51628
1.1	370.39	1.96	1.64	18.48	11.25	13.04	0.86	8.42	4.31	0.001849	15.46832
1.2	370.45	2.01	1.65	19.25	11.69	13.04	0.9	8.42	4.19	0.003305	28.73146
1.3	370.47	2.03	1.66	19.74	11.87	13.04	0.91	8.42	4.15	0.000815	7.19021
1.4	370.47	2.03	1.6	18.96	11.86	13.04	0.91	8.42	4.15	0.001969	17.36357
1.5	370.45	2.01	1.53	17.89	11.7	13.04	0.9	8.42	4.19	0.001372	11.93849
1.6	370.4	1.96	1.47	16.65	11.31	13.04	0.87	8.42	4.3	0.001712	14.39386
1.7	370.33	1.9	1.45	15.64	10.8	13.04	0.83	8.42	4.44	0.001242	9.97162
1.8	370.29	1.85	1.37	14.28	10.44	13.04	0.8	8.42	4.54	0.001376	10.68104
1.9	370.21	1.78	1.36	13.31	9.79	13.04	0.75	8.42	4.74	0.001374	10.00358
2	370.16	1.72	1.32	12.34	9.36	13.04	0.72	8.42	4.89	0.001466	10.19848
2.1	370.1	1.66	1.33	11.66	8.8	13.04	0.67	8.42	5.08	0.001719	11.24273
2.2	370.03	1.59	1.32	10.89	8.24	9.85	0.84	8.41	5.3	0.001356	11.00394
2.3	369.98	1.54	1.26	9.99	7.91	9.64	0.82	8.24	5.34	0.001416	11.2698
2.4	369.94	1.5	1.27	9.62	7.56	9.43	0.8	8.08	5.37	0.001452	11.28688
2.5	369.9	1.46	1.29	9.31	7.21	9.22	0.78	7.91	5.42	0.001575	11.93709

CHANNEL HYDROGRAPH FOR ELEMENT NO: 12162

MASSIMA	PORTATA	20.63	AT TIME	1.26								
MASSIMA	QUOTA PELO LIBERO	370.57	AT TIME	1.26								
TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)	
0	368.43	0	0	0	0	0	0	0	0	0	0	
0.1	368.43	0	0	0	0	0	0	0	0	0	0	
0.2	368.43	0	0	0	0	0	0	0	0	0	0	
0.3	368.43	0	0	0	0	0	0	0	0	0	0	
0.4	368.43	0	0	0	0	0	0	0	0	0	0	
0.5	368.43	0	0	0	0	0	0	0	0	0	0	
0.6	368.43	0	0	0	0	0	0	0	0	0	0	
0.7	368.75	0.32	0.44	1.25	2.85	3.22	0.88	3.12	9.66	0.002312	19.79621	
0.8	369.77	1.34	1.56	9.36	6.01	8.3	0.72	7.21	5.39	0.001802	12.63434	
0.9	370.1	1.68	1.61	13.74	8.52	12.58	0.68	8.06	4.81	0.000778	5.1053	
1	370.25	1.82	1.69	16.41	9.7	12.58	0.77	8.06	4.43	0.001589	11.87452	
1.1	370.36	1.93	1.76	18.45	10.49	12.58	0.83	8.06	4.18	0.001262	10.19738	
1.2	370.41	1.98	1.76	19.19	10.91	12.58	0.87	8.06	4.07	0.002275	19.13424	
1.3	370.43	2	1.78	19.74	11.09	12.58	0.88	8.06	4.03	0.001768	15.11158	
1.4	370.43	2	1.71	19.01	11.09	12.58	0.88	8.06	4.03	0.00156	13.33064	
1.5	370.41	1.99	1.63	17.92	10.99	12.58	0.87	8.06	4.06	0.001174	9.94337	
1.6	370.37	1.94	1.58	16.71	10.61	12.58	0.84	8.06	4.16	0.001581	12.91978	
1.7	370.3	1.88	1.55	15.74	10.13	12.58	0.81	8.06	4.3	0.001241	9.69124	
1.8	370.26	1.83	1.47	14.36	9.8	12.58	0.78	8.06	4.4	0.001412	10.66131	
1.9	370.18	1.75	1.46	13.39	9.17	12.58	0.73	8.06	4.6	0.001383	9.77022	
2	370.13	1.7	1.42	12.41	8.75	12.58	0.7	8.06	4.74	0.001484	10.0043	
2.1	370.06	1.63	1.43	11.71	8.18	12.58	0.65	8.06	4.95	0.001603	10.10257	
2.2	369.99	1.56	1.42	10.9	7.7	9.29	0.83	7.98	5.1	0.001218	9.78544	
2.3	369.95	1.53	1.35	10	7.41	9.12	0.81	7.85	5.14	0.00127	10.00236	
2.4	369.91	1.48	1.36	9.63	7.06	8.93	0.79	7.7	5.2	0.001354	10.38147	
2.5	369.86	1.43	1.39	9.31	6.69	8.72	0.77	7.54	5.26	0.001504	11.18818	

CHANNEL HYDROGRAPH FOR ELEMENT NO: 12256

MASSIMA	PORTATA	20.90	AT TIME	1.23							
MASSIMA	QUOTA PELO LIBERO	370.53	AT TIME	1.29							
TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.41	0	0	0	0	0	0	0	0	0	0
0.1	368.41	0	0	0	0	0	0	0	0	0	0
0.2	368.41	0	0	0	0	0	0	0	0	0	0
0.3	368.41	0	0	0	0	0	0	0	0	0	0
0.4	368.41	0	0	0	0	0	0	0	0	0	0
0.5	368.41	0	0	0	0	0	0	0	0	0	0
0.6	368.41	0	0	0	0	0	0	0	0	0	0
0.7	368.7	0.29	0.45	1.13	2.51	2.63	0.95	2.53	8.64	0.003565	32.99582
0.8	369.7	1.3	1.75	9.28	5.31	7.77	0.68	6.8	5.25	0.003019	20.00212
0.9	370.05	1.65	1.75	13.67	7.8	12.17	0.64	7.69	4.67	0.001735	10.77921
1	370.21	1.8	1.83	16.34	8.95	12.17	0.74	7.69	4.28	0.001779	12.68693
1.1	370.3	1.89	1.9	18.42	9.68	12.17	0.8	7.69	4.06	0.001088	8.38685
1.2	370.36	1.95	1.91	19.2	10.07	12.17	0.83	7.69	3.94	0	0
1.3	370.38	1.97	1.92	19.71	10.25	12.17	0.84	7.69	3.89	0.002306	18.83197
1.4	370.38	1.97	1.86	19.02	10.25	12.17	0.84	7.69	3.9	0.001886	15.39904
1.5	370.37	1.97	1.76	17.98	10.22	12.17	0.84	7.69	3.91	0.00151	12.30052
1.6	370.32	1.91	1.7	16.76	9.86	12.17	0.81	7.69	4.01	0	0
1.7	370.26	1.86	1.67	15.75	9.42	12.17	0.77	7.69	4.14	0.000739	5.54936
1.8	370.22	1.82	1.58	14.39	9.11	12.17	0.75	7.69	4.23	0.002132	15.46734
1.9	370.14	1.73	1.57	13.41	8.52	12.17	0.7	7.69	4.44	0.001997	13.54521
2	370.09	1.68	1.53	12.42	8.11	12.17	0.67	7.69	4.58	0.002263	14.61708
2.1	370.01	1.61	1.55	11.73	7.56	12.17	0.62	7.69	4.79	0.001976	11.90768
2.2	369.96	1.55	1.53	10.91	7.15	8.76	0.82	7.53	4.87	0.001799	14.2397
2.3	369.92	1.51	1.45	10.01	6.91	8.62	0.8	7.43	4.91	0.001855	14.41234
2.4	369.87	1.46	1.47	9.65	6.55	8.43	0.78	7.29	4.98	0.002102	15.8204
2.5	369.82	1.41	1.51	9.32	6.16	8.23	0.75	7.14	5.05	0.002326	16.88484

CHANNEL HYDROGRAPH FOR ELEMENT NO: 12349

MASSIMA	PORTATA	21.07	AT TIME	1.27							
MASSIMA	QUOTA PELO LIBERO	370.5	AT TIME	1.33							

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.4	0	0	0	0	0	0	0	0	0	0
0.1	368.4	0	0	0	0	0	0	0	0	0	0
0.2	368.4	0	0	0	0	0	0	0	0	0	0
0.3	368.4	0	0	0	0	0	0	0	0	0	0
0.4	368.4	0	0	0	0	0	0	0	0	0	0
0.5	368.4	0	0	0	0	0	0	0	0	0	0
0.6	368.4	0	0	0	0	0	0	0	0	0	0
0.7	368.65	0.25	0.47	1.03	2.21	2.11	1.05	2.02	8.09	0.006658	67.69317
0.8	369.61	1.21	1.92	9.2	4.79	7.21	0.66	6.34	5.22	0.003844	24.77732
0.9	369.99	1.59	1.85	13.6	7.33	8.57	0.86	7.3	4.59	0.004702	38.97739
1	370.14	1.74	1.92	16.25	8.44	11.75	0.72	7.3	4.19	0.00404	28.13069
1.1	370.24	1.84	2	18.28	9.13	11.75	0.78	7.3	3.96	0.003579	26.94636
1.2	370.29	1.89	2.01	19.1	9.48	11.75	0.81	7.3	3.86	0.004905	38.36606
1.3	370.32	1.92	2.03	19.65	9.66	11.75	0.82	7.3	3.81	0.004213	33.55619
1.4	370.31	1.92	1.96	19	9.67	11.75	0.82	7.3	3.81	0.003307	26.36809
1.5	370.32	1.92	1.85	17.93	9.7	11.75	0.83	7.3	3.81	0.004579	36.63742
1.6	370.27	1.87	1.8	16.83	9.36	11.75	0.8	7.3	3.9	0.003726	28.75278
1.7	370.21	1.81	1.77	15.84	8.97	11.75	0.76	7.3	4.03	0.002882	21.31504
1.8	370.17	1.77	1.67	14.45	8.67	11.75	0.74	7.3	4.12	0.003272	23.38964
1.9	370.09	1.69	1.65	13.48	8.15	11.75	0.69	7.3	4.31	0.003042	20.45038
2	370.04	1.64	1.61	12.46	7.76	11.75	0.66	7.3	4.46	0.003503	22.41335
2.1	369.96	1.57	1.62	11.74	7.26	8.49	0.86	7.24	4.62	0.003081	25.54587
2.2	369.91	1.51	1.58	10.92	6.92	8.29	0.83	7.1	4.7	0.002772	22.42677
2.3	369.88	1.48	1.49	10.02	6.72	8.18	0.82	7.02	4.74	0.00282	22.44763
2.4	369.83	1.43	1.52	9.66	6.34	7.99	0.79	6.89	4.82	0.003337	25.67365
2.5	369.77	1.37	1.58	9.33	5.93	7.78	0.76	6.74	4.92	0.003781	27.92314

CHANNEL HYDROGRAPH FOR ELEMENT NO: 12442

MASSIMA PORTATA 21.62 AT TIME 1.35
MASSIMA QUOTA PELO LIBERO 370.43 AT TIME 1.42

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.39	0	0	0	0	0	0	0	0	0	0
0.1	368.39	0	0	0	0	0	0	0	0	0	0
0.2	368.39	0	0	0	0	0	0	0	0	0	0
0.3	368.39	0	0	0	0	0	0	0	0	0	0
0.4	368.39	0	0	0	0	0	0	0	0	0	0
0.5	368.39	0	0	0	0	0	0	0	0	0	0
0.6	368.39	0	0	0	0	0	0	0	0	0	0
0.7	368.58	0.19	0.44	0.94	2.14	2.97	0.72	2.95	15.12	0.009754	67.96902
0.8	369.5	1.11	1.89	9.1	4.82	6.55	0.74	5.86	5.27	0.005522	39.40916
0.9	369.92	1.53	1.79	13.49	7.53	10.8	0.7	6.83	4.47	0.00455	30.76095
1	370.07	1.69	1.86	16.08	8.64	10.8	0.8	6.83	4.05	0.005736	44.50751
1.1	370.17	1.78	1.95	18.18	9.34	10.8	0.87	6.83	3.83	0.006351	53.27234
1.2	370.22	1.83	1.97	18.99	9.64	10.8	0.89	6.83	3.72	0.00807	69.85069
1.3	370.25	1.86	2	19.6	9.82	10.8	0.91	6.83	3.67	0.00676	59.56524
1.4	370.25	1.86	1.92	18.99	9.87	10.8	0.91	6.83	3.67	0.004669	41.35485
1.5	370.26	1.87	1.81	17.97	9.91	10.8	0.92	6.83	3.65	0.005027	44.72435
1.6	370.21	1.82	1.77	17.05	9.61	10.8	0.89	6.83	3.75	0.00754	65.0205
1.7	370.15	1.77	1.74	16.06	9.25	10.8	0.86	6.83	3.86	0.005186	43.07467
1.8	370.11	1.72	1.64	14.68	8.95	10.8	0.83	6.83	3.96	0.003891	31.24336
1.9	370.04	1.65	1.61	13.71	8.5	10.8	0.79	6.83	4.13	0.003569	27.24453
2	369.99	1.6	1.55	12.63	8.12	10.8	0.75	6.83	4.27	0.003756	27.37586
2.1	369.92	1.53	1.55	11.84	7.64	10.8	0.71	6.83	4.47	0.003385	23.22131
2.2	369.87	1.48	1.48	10.97	7.4	7.75	0.95	6.79	4.57	0.002682	24.80467
2.3	369.85	1.46	1.39	10.05	7.21	7.66	0.94	6.72	4.61	0.002751	25.1002
2.4	369.79	1.4	1.42	9.69	6.8	7.47	0.91	6.58	4.7	0.003219	28.40069
2.5	369.72	1.33	1.47	9.36	6.35	7.26	0.87	6.41	4.81	0.003829	32.4533

CHANNEL HYDROGRAPH FOR ELEMENT NO: 12535

MASSIMA PORTATA 22.83 AT TIME 1.26
MASSIMA QUOTA PELO LIBERO 370.34 AT TIME 1.42

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	368.34	0	0	0	0	0	0	0	0	0	0
0.1	368.34	0	0	0	0	0	0	0	0	0	0
0.2	368.34	0	0	0	0	0	0	0	0	0	0
0.3	368.34	0	0	0	0	0	0	0	0	0	0
0.4	368.34	0	0	0	0	0	0	0	0	0	0
0.5	368.34	0	0	0	0	0	0	0	0	0	0
0.6	368.34	0	0	0	0	0	0	0	0	0	0
0.7	368.5	0.16	0.38	0.85	2.27	3.23	0.7	3.21	20.46	0.008786	59.7994
0.8	369.43	1.09	1.64	9	5.49	6.84	0.8	6.14	5.61	0.004865	37.85947
0.9	369.86	1.53	1.59	13.43	8.42	8.2	1.03	7.16	4.69	0.004048	40.3243
1	370.02	1.68	1.67	15.97	9.56	11.32	0.84	7.19	4.27	0.004005	32.77184
1.1	370.13	1.79	1.75	18.07	10.32	11.32	0.91	7.19	4.02	0.003649	32.24804
1.2	370.16	1.82	1.79	19	10.59	11.32	0.94	7.19	3.94	0.005172	46.91775
1.3	370.19	1.85	1.82	19.63	10.76	11.32	0.95	7.19	3.89	0.004138	38.12724
1.4	370.2	1.86	1.76	19.1	10.85	11.32	0.96	7.19	3.87	0.004434	41.17548
1.5	370.2	1.86	1.68	18.22	10.87	11.32	0.96	7.19	3.86	0.00379	35.28038
1.6	370.16	1.83	1.63	17.27	10.61	11.32	0.94	7.19	3.94	0.003454	31.36136
1.7	370.11	1.78	1.59	16.29	10.26	11.32	0.91	7.19	4.05	0.004849	42.61679
1.8	370.07	1.73	1.49	14.88	9.97	11.32	0.88	7.19	4.15	0.002708	23.10862
1.9	370.01	1.67	1.44	13.91	9.64	11.32	0.85	7.19	4.3	0.002405	19.84339
2	369.96	1.62	1.38	12.78	9.24	11.32	0.82	7.19	4.44	0.002361	18.68411
2.1	369.89	1.56	1.36	11.92	8.76	11.32	0.77	7.19	4.63	0.002071	15.52679
2.2	369.86	1.53	1.29	11.01	8.56	8.2	1.04	7.16	4.69	0.001581	15.99888
2.3	369.84	1.5	1.2	10.08	8.37	8.12	1.03	7.1	4.73	0.00163	16.2836
2.4	369.78	1.44	1.23	9.71	7.93	7.93	1	6.96	4.83	0.001861	18.04432
2.5	369.71	1.37	1.26	9.38	7.43	7.71	0.96	6.79	4.96	0.00222	20.73704

0.5	368.24	0	0	0	0	0	0	0	0	0	0
0.6	368.24	0	0	0	0	0	0	0	0	0	0
0.7	368.36	0.12	0.23	0.61	2.62	4.86	0.54	4.76	40.07	0.00236	12.3459
0.8	369.39	1.15	1.34	8.76	6.54	7.97	0.82	7.06	6.12	0.003211	25.54704
0.9	369.82	1.58	1.37	13.25	9.64	11.76	0.82	7.71	4.87	0.001676	13.32115
1	369.96	1.73	1.49	15.9	10.66	11.76	0.91	7.71	4.47	0.001867	16.40944
1.1	370.07	1.84	1.57	18.05	11.49	11.76	0.98	7.71	4.2	0.005084	48.12073
1.2	370.11	1.88	1.62	18.98	11.75	11.76	1	7.71	4.11	0.001062	10.28269
1.3	370.13	1.89	1.65	19.64	11.87	11.76	1.01	7.71	4.08	0.002774	27.12582
1.4	370.14	1.9	1.6	19.17	11.99	11.76	1.02	7.71	4.05	0.003133	30.94636
1.5	370.15	1.91	1.52	18.32	12.03	11.76	1.02	7.71	4.04	0	0
1.6	370.11	1.87	1.49	17.61	11.79	11.76	1	7.71	4.12	0.002182	21.20596
1.7	370.08	1.84	1.44	16.63	11.57	11.76	0.98	7.71	4.19	0.00072	6.86583
1.8	370.04	1.81	1.34	15.14	11.32	11.76	0.96	7.71	4.27	0.000131	1.22504
1.9	370.01	1.78	1.27	14.13	11.11	11.76	0.94	7.71	4.34	0	0
2	369.96	1.72	1.21	12.95	10.7	11.76	0.91	7.71	4.48	0.000102	0.90308
2.1	369.89	1.66	1.18	12.02	10.21	11.76	0.87	7.71	4.66	0.000181	1.52313
2.2	369.87	1.63	1.11	11.07	10.01	11.76	0.85	7.71	4.73	0.000138	1.14214
2.3	369.84	1.6	1.03	10.14	9.81	11.76	0.83	7.71	4.81	0.000138	1.11512
2.4	369.78	1.54	1.04	9.78	9.36	11.76	0.8	7.71	5	0.000277	2.13197
2.5	369.71	1.47	1.07	9.41	8.82	11.76	0.75	7.71	5.24	0.000209	1.51947

CHANNEL HYDROGRAPH FOR ELEMENT NO: 12812

MASSIMA PORTATA 22.87 AT TIME 1.37
MASSIMA QUOTA PELO LIBERO 370.26 AT TIME 1.42

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.23	0	0	0	0	0	0	0	0	0	0
0.1	368.23	0	0	0	0	0	0	0	0	0	0
0.2	368.23	0	0	0	0	0	0	0	0	0	0
0.3	368.23	0	0	0	0	0	0	0	0	0	0
0.4	368.23	0	0	0	0	0	0	0	0	0	0
0.5	368.23	0	0	0	0	0	0	0	0	0	0
0.6	368.23	0	0	0	0	0	0	0	0	0	0
0.7	368.33	0.1	0.21	0.47	2.28	4.58	0.5	4.51	46.19	0.003941	19.01501
0.8	369.37	1.14	1.42	8.65	6.11	7.69	0.79	6.79	5.97	0.001819	13.99674
0.9	369.8	1.58	1.43	13.14	9.19	11.08	0.83	7.28	4.62	0.001072	8.61675
1	369.93	1.71	1.58	15.86	10.07	11.08	0.91	7.28	4.26	0.001507	13.27032
1.1	370.04	1.82	1.66	18	10.82	11.08	0.98	7.28	4.01	0.001146	10.84261
1.2	370.07	1.85	1.72	18.95	11.04	11.08	1	7.28	3.94	0.003016	29.13849
1.3	370.09	1.86	1.76	19.62	11.15	11.08	1.01	7.28	3.91	0.002592	25.28506
1.4	370.11	1.88	1.7	19.22	11.28	11.08	1.02	7.28	3.87	0.000592	5.84021
1.5	370.12	1.89	1.62	18.4	11.34	11.08	1.02	7.28	3.85	0.002279	22.60641
1.6	370.09	1.86	1.6	17.89	11.19	11.08	1.01	7.28	3.91	0.001041	10.1889
1.7	370.06	1.84	1.53	16.88	11.01	11.08	0.99	7.28	3.96	0.000538	5.18615
1.8	370.03	1.8	1.43	15.37	10.79	11.08	0.97	7.28	4.04	0.000792	7.47319
1.9	370	1.78	1.35	14.32	10.62	11.08	0.96	7.28	4.1	0.000662	6.15306
2	369.95	1.72	1.28	13.11	10.24	11.08	0.92	7.28	4.22	0.000727	6.51342
2.1	369.88	1.66	1.24	12.13	9.77	11.08	0.88	7.28	4.39	0.000746	6.37701
2.2	369.86	1.63	1.16	11.15	9.59	11.08	0.87	7.28	4.46	0.000643	5.40045
2.3	369.83	1.6	1.08	10.21	9.41	11.08	0.85	7.28	4.54	0.000708	5.82925
2.4	369.77	1.54	1.1	9.84	8.97	11.08	0.81	7.28	4.72	0.000831	6.51735
2.5	369.7	1.47	1.12	9.46	8.44	11.08	0.76	7.28	4.95	0.000968	7.153

CHANNEL HYDROGRAPH FOR ELEMENT NO: 12905

MASSIMA PORTATA 22.17 AT TIME 1.24
MASSIMA QUOTA PELO LIBERO 370.23 AT TIME 1.37

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.23	0	0	0	0	0	0	0	0	0	0
0.1	368.23	0	0	0	0	0	0	0	0	0	0
0.2	368.23	0	0	0	0	0	0	0	0	0	0
0.3	368.23	0	0	0	0	0	0	0	0	0	0
0.4	368.23	0	0	0	0	0	0	0	0	0	0
0.5	368.23	0	0	0	0	0	0	0	0	0	0
0.6	368.23	0	0	0	0	0	0	0	0	0	0
0.7	368.3	0.07	0.17	0.33	1.99	4.31	0.46	4.26	60.77	0.005413	24.26043
0.8	369.31	1.09	1.36	8.49	6.27	7.39	0.85	6.55	6.03	0.001267	10.40965
0.9	369.78	1.55	1.38	13.05	9.43	10.39	0.91	6.92	4.47	0.000658	5.78672
1	369.89	1.66	1.55	15.83	10.21	10.39	0.98	6.92	4.16	0.002904	27.65933

1.1	370	1.77	1.65	17.98	10.89	10.39	1.05	6.92	3.91	0.000553	5.61495
1.2	370.03	1.8	1.71	18.92	11.09	10.39	1.07	6.92	3.84	0.001266	13.09711
1.3	370.04	1.82	1.75	19.63	11.21	10.39	1.08	6.92	3.81	0.002123	22.20352
1.4	370.06	1.83	1.71	19.41	11.32	10.39	1.09	6.92	3.78	0.001319	13.93328
1.5	370.07	1.84	1.64	18.73	11.4	10.39	1.1	6.92	3.76	0.002055	21.84284
1.6	370.05	1.83	1.62	18.36	11.32	10.39	1.09	6.92	3.79	0	0
1.7	370.03	1.8	1.55	17.36	11.18	10.39	1.08	6.92	3.84	0.000261	2.71764
1.8	370	1.77	1.44	15.81	10.98	10.39	1.06	6.92	3.9	0.000789	8.07821
1.9	369.98	1.75	1.36	14.72	10.83	10.39	1.04	6.92	3.95	0.000623	6.29929
2	369.93	1.7	1.28	13.45	10.47	10.39	1.01	6.92	4.07	0.00074	7.23004
2.1	369.86	1.63	1.24	12.4	10.01	10.39	0.96	6.92	4.24	0.000736	6.87041
2.2	369.84	1.61	1.15	11.37	9.86	10.39	0.95	6.92	4.3	0.000687	6.31766
2.3	369.81	1.59	1.07	10.39	9.7	10.39	0.93	6.92	4.36	0.000728	6.5836
2.4	369.75	1.52	1.08	9.99	9.25	10.39	0.89	6.92	4.55	0.000847	7.31107
2.5	369.68	1.45	1.1	9.56	8.73	10.39	0.84	6.92	4.78	0.00112	9.11858

CHANNEL HYDROGRAPH FOR ELEMENT NO: 12997

MASSIMA	PORTATA	22.15	AT TIME	1.28
MASSIMA	QUOTA PELO LIBERO	370.14	AT TIME	1.27

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.22	0	0	0	0	0	0	0	0	0	0
0.1	368.22	0	0	0	0	0	0	0	0	0	0
0.2	368.22	0	0	0	0	0	0	0	0	0	0
0.3	368.22	0	0	0	0	0	0	0	0	0	0
0.4	368.22	0	0	0	0	0	0	0	0	0	0
0.5	368.22	0	0	0	0	0	0	0	0	0	0
0.6	368.22	0	0	0	0	0	0	0	0	0	0
0.7	368.26	0.04	0.11	0.2	1.86	4.33	0.43	4.3	98.83	0.00282	11.76207
0.8	369.29	1.07	1.33	8.33	6.28	8.07	0.78	6.81	6.37	0.000164	1.23676
0.9	369.76	1.55	1.38	12.97	9.39	10.6	0.89	6.9	4.47	0	0
1	369.87	1.66	1.57	15.83	10.09	10.6	0.95	6.9	4.17	0.001268	11.69577
1.1	369.97	1.75	1.68	17.96	10.67	10.6	1.01	6.9	3.94	0	0
1.2	369.99	1.77	1.75	19.01	10.84	10.6	1.02	6.9	3.89	0	0
1.3	370.01	1.8	1.8	19.75	10.96	10.6	1.03	6.9	3.84	0.000188	1.88984
1.4	370.03	1.81	1.78	19.72	11.07	10.6	1.05	6.9	3.81	0	0
1.5	370.04	1.82	1.73	19.23	11.14	10.6	1.05	6.9	3.78	0	0
1.6	370.03	1.82	1.71	18.97	11.11	10.6	1.05	6.9	3.8	0	0
1.7	370.02	1.8	1.64	18	11.01	10.6	1.04	6.9	3.84	0	0
1.8	369.99	1.77	1.52	16.43	10.83	10.6	1.02	6.9	3.9	0	0
1.9	369.97	1.75	1.43	15.3	10.71	10.6	1.01	6.9	3.94	0	0
2	369.92	1.7	1.35	14	10.37	10.6	0.98	6.9	4.06	0	0
2.1	369.85	1.63	1.29	12.86	9.94	10.6	0.94	6.9	4.23	0	0
2.2	369.83	1.61	1.2	11.74	9.81	10.6	0.93	6.9	4.28	0	0
2.3	369.81	1.59	1.11	10.7	9.67	10.6	0.91	6.9	4.35	0	0
2.4	369.74	1.52	1.11	10.23	9.24	10.6	0.87	6.9	4.53	0	0
2.5	369.67	1.45	1.11	9.74	8.74	10.6	0.82	6.9	4.77	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 13088

MASSIMA	PORTATA	22.48	AT TIME	1.29
MASSIMA	QUOTA PELO LIBERO	370.06	AT TIME	1.22

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.22	0	0	0	0	0	0	0	0	0	0
0.1	368.22	0	0	0	0	0	0	0	0	0	0
0.2	368.22	0	0	0	0	0	0	0	0	0	0
0.3	368.22	0	0	0	0	0	0	0	0	0	0
0.4	368.22	0	0	0	0	0	0	0	0	0	0
0.5	368.22	0	0	0	0	0	0	0	0	0	0
0.6	368.22	0	0	0	0	0	0	0	0	0	0
0.7	368.24	0.03	0.07	0.09	0.08	2.43	0	2.42	0	0.0022	0
0.8	369.26	1.04	1.55	8.16	5.27	7.45	0.71	6.22	5.98	0	0
0.9	369.75	1.53	1.56	12.89	8.28	9.57	0.86	6.23	4.07	0.00011	0.92292
1	369.85	1.63	1.8	15.91	8.83	9.57	0.92	6.23	3.82	0	0
1.1	369.94	1.72	1.94	18.09	9.32	9.57	0.97	6.23	3.62	0	0
1.2	369.96	1.74	2.04	19.26	9.46	9.57	0.99	6.23	3.57	0	0
1.3	369.98	1.76	2.11	20.11	9.55	9.57	1	6.23	3.54	0	0
1.4	370	1.78	2.12	20.39	9.63	9.57	1.01	6.23	3.5	0	0
1.5	370.01	1.79	2.09	20.19	9.68	9.57	1.01	6.23	3.48	0	0
1.6	370.01	1.79	2.07	20.09	9.68	9.57	1.01	6.23	3.48	0	0

1.7	369.99	1.77	1.99	19.13	9.61	9.57	1	6.23	3.51	0	0
1.8	369.97	1.75	1.85	17.57	9.48	9.57	0.99	6.23	3.56	0	0
1.9	369.95	1.73	1.74	16.36	9.4	9.57	0.98	6.23	3.6	0	0
2	369.9	1.68	1.65	15.01	9.11	9.57	0.95	6.23	3.71	0	0
2.1	369.83	1.62	1.58	13.76	8.73	9.57	0.91	6.23	3.85	0	0
2.2	369.82	1.6	1.45	12.5	8.65	9.57	0.9	6.23	3.9	0	0
2.3	369.8	1.58	1.33	11.33	8.55	9.57	0.89	6.23	3.95	0	0
2.4	369.73	1.51	1.32	10.76	8.16	9.57	0.85	6.23	4.12	0	0
2.5	369.65	1.43	1.32	10.17	7.7	9.57	0.8	6.23	4.34	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 13179

MASSIMA PORTATA 24.46 AT TIME 1.42
MASSIMA QUOTA PELO LIBERO 369.95 AT TIME 1.42

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE (Pa) TANGENZIALE AL FONDO
0	368.21	0	0	0	0	0	0	0	0	0	0
0.1	368.21	0	0	0	0	0	0	0	0	0	0
0.2	368.21	0	0	0	0	0	0	0	0	0	0
0.3	368.21	0	0	0	0	0	0	0	0	0	0
0.4	368.21	0	0	0	0	0	0	0	0	0	0
0.5	368.21	0	0	0	0	0	0	0	0	0	0
0.6	368.21	0	0	0	0	0	0	0	0	0	0
0.7	368.22	0.01	0	0.04	0	0	0	0	0	0.009132	0
0.8	369.18	0.97	1.73	8.03	4.65	8.53	0.54	5.56	5.75	0	0
0.9	369.71	1.5	1.67	12.84	7.67	8.53	0.9	5.56	3.7	0	0
1	369.8	1.59	1.99	16.23	8.15	8.53	0.96	5.56	3.5	0	0
1.1	369.87	1.67	2.17	18.61	8.58	8.53	1.01	5.56	3.34	0	0
1.2	369.9	1.69	2.29	19.95	8.71	8.53	1.02	5.56	3.29	0	0
1.3	369.91	1.7	2.4	21.11	8.78	8.53	1.03	5.56	3.27	0	0
1.4	369.92	1.71	2.51	22.24	8.85	8.53	1.04	5.56	3.24	0	0
1.5	369.93	1.72	2.56	22.73	8.88	8.53	1.04	5.56	3.23	0	0
1.6	369.93	1.72	2.58	22.91	8.89	8.53	1.04	5.56	3.23	0	0
1.7	369.92	1.71	2.49	22.03	8.84	8.53	1.04	5.56	3.25	0	0
1.8	369.9	1.69	2.34	20.42	8.73	8.53	1.02	5.56	3.28	0	0
1.9	369.89	1.68	2.19	18.99	8.67	8.53	1.02	5.56	3.3	0	0
2	369.84	1.63	2.09	17.56	8.41	8.53	0.99	5.56	3.4	0	0
2.1	369.78	1.57	2.01	16.18	8.06	8.53	0.95	5.56	3.53	0	0
2.2	369.77	1.56	1.81	14.52	8.01	8.53	0.94	5.56	3.55	0	0
2.3	369.76	1.55	1.63	12.96	7.94	8.53	0.93	5.56	3.58	0	0
2.4	369.69	1.48	1.62	12.3	7.57	8.53	0.89	5.56	3.74	0	0
2.5	369.61	1.41	1.63	11.65	7.13	8.53	0.84	5.56	3.95	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 13270

MASSIMA PORTATA 25.34 AT TIME 1.41
MASSIMA QUOTA PELO LIBERO 370.55 AT TIME 1.68

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE (Pa) TANGENZIALE AL FONDO
0	368.21	0	0	0	0	0	0	0	0	0	0
0.1	368.21	0	0	0	0	0	0	0	0	0	0
0.2	368.21	0	0	0	0	0	0	0	0	0	0
0.3	368.21	0	0	0	0	0	0	0	0	0	0
0.4	368.21	0	0	0	0	0	0	0	0	0	0
0.5	368.21	0	0	0	0	0	0	0	0	0	0
0.6	368.21	0	0	0	0	0	0	0	0	0	0
0.7	368.21	0.01	0.01	0	0	0	0	0	0	0.016756	0
0.8	369.34	1.13	1.58	7.68	4.87	7.21	0.68	4.79	4.22	0	0
0.9	369.84	1.64	1.67	12.48	7.46	7.21	1.03	4.79	2.93	0	0
1	370.08	1.87	1.8	15.55	8.64	7.21	1.2	4.79	2.56	0	0
1.1	370.15	1.94	2.02	18.21	9.02	7.21	1.25	4.79	2.47	0	0
1.2	370.2	1.99	2.1	19.49	9.29	7.21	1.29	4.79	2.41	0	0
1.3	370.21	2	2.22	20.93	9.43	7.21	1.31	4.79	2.39	0	0
1.4	370.3	2.1	2.21	22.07	9.98	7.21	1.38	4.79	2.29	0	0
1.5	370.37	2.17	2.18	22.61	10.39	7.21	1.44	4.79	2.21	0	0
1.6	370.4	2.2	2.16	22.85	10.56	7.21	1.46	4.79	2.18	0	0
1.7	370.42	2.21	2.06	21.92	10.63	7.21	1.47	4.79	2.17	0	0
1.8	370.43	2.22	1.9	20.24	10.68	7.21	1.48	4.79	2.16	0	0
1.9	370.42	2.21	1.77	18.75	10.57	7.21	1.47	4.79	2.17	0	0
2	370.37	2.16	1.69	17.39	10.31	7.21	1.43	4.79	2.22	0	0
2.1	370.32	2.11	1.59	15.99	10.06	7.21	1.4	4.79	2.27	0	0
2.2	370.28	2.07	1.47	14.32	9.76	7.21	1.35	4.79	2.31	0	0

2.3	370.2	1.99	1.38	12.86	9.34	7.21	1.29	4.79	2.4	0	0
2.4	370.14	1.93	1.35	12.23	9.03	7.21	1.25	4.79	2.48	0	0
2.5	370.08	1.87	1.33	11.58	8.72	7.21	1.21	4.79	2.56	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 13360

MASSIMA PORTATA 25.15 AT TIME 1.41
MASSIMA QUOTA PELO LIBERO 370.67 AT TIME 1.68

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.2	0	0	0	0	0	0	0	0	0	0
0.1	368.2	0	0	0	0	0	0	0	0	0	0
0.2	368.2	0	0	0	0	0	0	0	0	0	0
0.3	368.2	0	0	0	0	0	0	0	0	0	0
0.4	368.2	0	0	0	0	0	0	0	0	0	0
0.5	368.2	0	0	0	0	0	0	0	0	0	0
0.6	368.2	0	0	0	0	0	0	0	0	0	0
0.7	368.2	0	0	0	0	0	0	0	0	0	0
0.8	369.31	1.11	1.37	7.41	5.42	8.06	0.67	5.32	4.79	0.001415	9.21842
0.9	369.82	1.62	1.48	12.23	8.25	8.06	1.02	5.32	3.28	0.003714	36.84063
1	370.05	1.86	1.58	15.13	9.56	8.06	1.19	5.32	2.87	0	0
1.1	370.13	1.94	1.78	17.91	10.07	8.06	1.25	5.32	2.75	0.003977	48.12709
1.2	370.19	1.99	1.85	19.2	10.4	8.06	1.29	5.32	2.67	0.001307	16.33399
1.3	370.23	2.04	1.94	20.72	10.66	8.06	1.32	5.32	2.62	0	0
1.4	370.36	2.16	1.92	21.77	11.32	8.06	1.4	5.32	2.47	0	0
1.5	370.45	2.25	1.89	22.35	11.82	8.06	1.47	5.32	2.37	0	0
1.6	370.49	2.29	1.87	22.53	12.05	8.06	1.49	5.32	2.33	0	0
1.7	370.5	2.3	1.78	21.55	12.13	8.06	1.5	5.32	2.31	0	0
1.8	370.51	2.31	1.64	19.76	12.08	8.06	1.5	5.32	2.3	0	0
1.9	370.48	2.28	1.54	18.33	11.88	8.06	1.47	5.32	2.34	0	0
2	370.43	2.23	1.47	17.09	11.6	8.06	1.44	5.32	2.39	0	0
2.1	370.37	2.17	1.39	15.75	11.31	8.06	1.4	5.32	2.45	0	0
2.2	370.3	2.1	1.31	14.21	10.89	8.06	1.35	5.32	2.54	0.00085	11.1233
2.3	370.21	2.01	1.23	12.83	10.39	8.06	1.29	5.32	2.65	0.000967	12.07791
2.4	370.15	1.95	1.21	12.22	10.06	8.06	1.25	5.32	2.73	0.00029	3.50913
2.5	370.09	1.89	1.19	11.59	9.73	8.06	1.21	5.32	2.82	0.000993	11.61984

CHANNEL HYDROGRAPH FOR ELEMENT NO: 13450

MASSIMA PORTATA 25.86 AT TIME 1.42
MASSIMA QUOTA PELO LIBERO 370.67 AT TIME 1.62

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.2	0	0	0	0	0	0	0	0	0	0
0.1	368.2	0	0	0	0	0	0	0	0	0	0
0.2	368.2	0	0	0	0	0	0	0	0	0	0
0.3	368.2	0	0	0	0	0	0	0	0	0	0
0.4	368.2	0	0	0	0	0	0	0	0	0	0
0.5	368.2	0	0	0	0	0	0	0	0	0	0
0.6	368.2	0	0	0	0	0	0	0	0	0	0
0.7	368.2	0	0	0	0	0	0	0	0	0	0
0.8	369.29	1.1	1.19	7.15	6	8.84	0.68	5.77	5.26	0.001198	7.87836
0.9	369.82	1.62	1.32	12	9.07	8.84	1.03	5.77	3.55	0.001486	14.77691
1	370.06	1.86	1.4	14.78	10.53	8.84	1.19	5.77	3.1	0.001582	18.25964
1.1	370.16	1.97	1.57	17.52	11.17	8.84	1.26	5.77	2.94	0.002111	25.85543
1.2	370.23	2.03	1.62	18.81	11.57	8.84	1.31	5.77	2.84	0	0
1.3	370.28	2.08	1.71	20.32	11.9	8.84	1.35	5.77	2.77	0	0
1.4	370.4	2.2	1.7	21.37	12.58	8.84	1.42	5.77	2.62	0.004108	56.6761
1.5	370.48	2.29	1.68	21.92	13.08	8.84	1.48	5.77	2.52	0.001055	15.13727
1.6	370.53	2.33	1.65	22	13.34	8.84	1.51	5.77	2.47	0	0
1.7	370.54	2.34	1.56	20.94	13.39	8.84	1.51	5.77	2.46	0.00099	14.53455
1.8	370.52	2.32	1.46	19.32	13.27	8.84	1.5	5.77	2.49	0.001144	16.64711
1.9	370.48	2.28	1.38	17.98	13.02	8.84	1.47	5.77	2.53	0.001232	17.58797
2	370.43	2.23	1.32	16.82	12.73	8.84	1.44	5.77	2.58	0.00105	14.64936
2.1	370.38	2.18	1.25	15.54	12.4	8.84	1.4	5.77	2.65	0.000769	10.46064
2.2	370.3	2.1	1.18	14.13	11.94	8.84	1.35	5.77	2.74	0.000804	10.53159
2.3	370.21	2.01	1.12	12.81	11.4	8.84	1.29	5.77	2.87	0.000645	8.05793
2.4	370.15	1.95	1.11	12.22	11.04	8.84	1.25	5.77	2.95	0.000573	6.93643
2.5	370.09	1.89	1.09	11.61	10.68	8.84	1.21	5.77	3.05	0.000582	6.8194

CHANNEL HYDROGRAPH FOR ELEMENT NO: 13540

MASSIMA PORTATA 25.46 AT TIME 1.42
MASSIMA QUOTA PELO LIBERO 370.62 AT TIME 1.45

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.18	0	0	0	0	0	0	0	0	0	0
0.1	368.18	0	0	0	0	0	0	0	0	0	0
0.2	368.18	0	0	0	0	0	0	0	0	0	0
0.3	368.18	0	0	0	0	0	0	0	0	0	0
0.4	368.18	0	0	0	0	0	0	0	0	0	0
0.5	368.18	0	0	0	0	0	0	0	0	0	0
0.6	368.18	0	0	0	0	0	0	0	0	0	0
0.7	368.18	0	0	0	0	0	0	0	0	0	0
0.8	369.28	1.1	1.03	6.89	6.66	9.6	0.69	6.3	5.73	0.001978	13.30254
0.9	369.82	1.65	1.18	11.77	9.98	9.6	1.04	6.3	3.83	0.001357	13.67533
1	370.07	1.89	1.25	14.45	11.59	9.6	1.21	6.3	3.34	0.004596	53.77087
1.1	370.18	2	1.39	17.13	12.37	9.6	1.29	6.3	3.15	0	0
1.2	370.25	2.07	1.43	18.35	12.84	9.6	1.34	6.3	3.04	0	0
1.3	370.31	2.13	1.5	19.81	13.22	9.6	1.38	6.3	2.96	0	0
1.4	370.42	2.24	1.51	20.94	13.9	9.6	1.45	6.3	2.82	0.003982	55.85715
1.5	370.49	2.32	1.49	21.47	14.42	9.6	1.5	6.3	2.72	0.002515	36.58695
1.6	370.53	2.36	1.47	21.51	14.67	9.6	1.53	6.3	2.68	0.000673	9.96464
1.7	370.54	2.36	1.39	20.47	14.7	9.6	1.53	6.3	2.67	0.001155	17.13574
1.8	370.52	2.34	1.3	18.88	14.57	9.6	1.52	6.3	2.69	0.001241	18.24335
1.9	370.48	2.3	1.23	17.65	14.3	9.6	1.49	6.3	2.74	0.000837	12.07092
2	370.43	2.25	1.19	16.57	13.97	9.6	1.45	6.3	2.8	0.000694	9.78411
2.1	370.38	2.2	1.13	15.35	13.61	9.6	1.42	6.3	2.87	0.000773	10.61782
2.2	370.3	2.12	1.07	14.06	13.11	9.6	1.37	6.3	2.97	0.000758	10.02769
2.3	370.21	2.03	1.02	12.81	12.52	9.6	1.3	6.3	3.1	0.00048	6.069
2.4	370.15	1.97	1.01	12.22	12.13	9.6	1.26	6.3	3.19	0.000773	9.46786
2.5	370.09	1.91	0.99	11.63	11.73	9.6	1.22	6.3	3.29	0.000327	3.8694

CHANNEL HYDROGRAPH FOR ELEMENT NO: 13630

MASSIMA PORTATA 24.40 AT TIME 1.42
MASSIMA QUOTA PELO LIBERO 370.63 AT TIME 1.55

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.15	0	0	0	0	0	0	0	0	0	0
0.1	368.15	0	0	0	0	0	0	0	0	0	0
0.2	368.15	0	0	0	0	0	0	0	0	0	0
0.3	368.15	0	0	0	0	0	0	0	0	0	0
0.4	368.15	0	0	0	0	0	0	0	0	0	0
0.5	368.15	0	0	0	0	0	0	0	0	0	0
0.6	368.15	0	0	0	0	0	0	0	0	0	0
0.7	368.15	0	0	0	0	0	0	0	0	0	0
0.8	369.26	1.11	0.9	6.6	7.34	7.91	0.93	6.76	6.07	0.001214	10.9258
0.9	369.82	1.68	1.06	11.55	10.88	10.38	1.05	6.84	4.08	0.002342	23.783
1	370.07	1.92	1.12	14.14	12.63	10.38	1.22	6.84	3.56	0.002677	31.56613
1.1	370.19	2.05	1.24	16.7	13.52	10.38	1.3	6.84	3.34	0	0
1.2	370.27	2.12	1.27	17.85	14.05	10.38	1.35	6.84	3.22	0	0
1.3	370.33	2.18	1.33	19.28	14.48	10.38	1.39	6.84	3.14	0	0
1.4	370.43	2.28	1.35	20.44	15.17	10.38	1.46	6.84	3	0	0
1.5	370.51	2.36	1.33	20.94	15.73	10.38	1.51	6.84	2.9	0.001706	25.0498
1.6	370.54	2.4	1.31	20.97	15.99	10.38	1.54	6.84	2.85	0.000423	6.31698
1.7	370.55	2.4	1.24	19.92	16.01	10.38	1.54	6.84	2.85	0.000352	5.25481
1.8	370.53	2.38	1.16	18.42	15.84	10.38	1.53	6.84	2.88	0.000905	13.39001
1.9	370.48	2.33	1.11	17.3	15.54	10.38	1.5	6.84	2.93	0.000285	4.13173
2	370.43	2.29	1.07	16.31	15.2	10.38	1.46	6.84	2.99	0.000212	3.00501
2.1	370.38	2.23	1.03	15.17	14.8	10.38	1.43	6.84	3.06	0.000477	6.58985
2.2	370.3	2.15	0.98	13.99	14.26	10.38	1.37	6.84	3.17	0.000364	4.84471
2.3	370.21	2.06	0.94	12.81	13.62	10.38	1.31	6.84	3.31	0.000147	1.87261
2.4	370.15	2	0.93	12.23	13.2	10.38	1.27	6.84	3.41	0.000322	3.97204
2.5	370.09	1.94	0.91	11.65	12.76	10.38	1.23	6.84	3.52	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 13719

MASSIMA PORTATA 23.07 AT TIME 1.48
MASSIMA QUOTA PELO LIBERO 370.62 AT TIME 1.57

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.13	0	0	0	0	0	0	0	0	0	0
0.1	368.13	0	0	0	0	0	0	0	0	0	0
0.2	368.13	0	0	0	0	0	0	0	0	0	0
0.3	368.13	0	0	0	0	0	0	0	0	0	0
0.4	368.13	0	0	0	0	0	0	0	0	0	0
0.5	368.13	0	0	0	0	0	0	0	0	0	0
0.6	368.13	0	0	0	0	0	0	0	0	0	0
0.7	368.13	0	0	0	0	0	0	0	0	0	0
0.8	369.25	1.12	0.87	6.3	7.21	8.38	0.86	7.22	6.44	0	0
0.9	369.83	1.7	1.07	11.33	10.56	11.18	0.94	7.38	4.35	0.000433	3.96225
1	370.07	1.94	1.13	13.84	12.26	11.18	1.1	7.38	3.8	0	0
1.1	370.2	2.07	1.24	16.32	13.16	11.18	1.18	7.38	3.56	0	0
1.2	370.28	2.15	1.27	17.35	13.69	11.18	1.22	7.38	3.43	0	0
1.3	370.34	2.21	1.33	18.74	14.11	11.18	1.26	7.38	3.34	0	0
1.4	370.43	2.31	1.34	19.86	14.77	11.18	1.32	7.38	3.2	0	0
1.5	370.51	2.38	1.33	20.33	15.31	11.18	1.37	7.38	3.09	0.000577	7.65222
1.6	370.55	2.42	1.31	20.38	15.56	11.18	1.39	7.38	3.05	0	0
1.7	370.55	2.42	1.24	19.36	15.58	11.18	1.39	7.38	3.04	0.000121	1.64037
1.8	370.53	2.4	1.17	17.97	15.4	11.18	1.38	7.38	3.08	0	0
1.9	370.48	2.36	1.12	16.94	15.11	11.18	1.35	7.38	3.13	0	0
2	370.43	2.31	1.09	16.05	14.78	11.18	1.32	7.38	3.2	0	0
2.1	370.38	2.25	1.04	14.99	14.39	11.18	1.29	7.38	3.28	0	0
2.2	370.3	2.17	1	13.92	13.86	11.18	1.24	7.38	3.39	0	0
2.3	370.21	2.08	0.97	12.81	13.24	11.18	1.18	7.38	3.54	0	0
2.4	370.15	2.03	0.95	12.23	12.82	11.18	1.15	7.38	3.64	0	0
2.5	370.09	1.96	0.94	11.67	12.4	11.18	1.11	7.38	3.76	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 13808

MASSIMA PORTATA 22.38 AT TIME 1.48
MASSIMA QUOTA PELO LIBERO 370.64 AT TIME 1.57

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.13	0	0	0	0	0	0	0	0	0	0
0.1	368.13	0	0	0	0	0	0	0	0	0	0
0.2	368.13	0	0	0	0	0	0	0	0	0	0
0.3	368.13	0	0	0	0	0	0	0	0	0	0
0.4	368.13	0	0	0	0	0	0	0	0	0	0
0.5	368.13	0	0	0	0	0	0	0	0	0	0
0.6	368.13	0	0	0	0	0	0	0	0	0	0
0.7	368.13	0	0	0	0	0	0	0	0	0	0
0.8	369.23	1.1	0.96	6.02	6.25	7.52	0.83	6.34	5.74	0	0
0.9	369.82	1.69	1.22	11.14	9.09	10.31	0.88	6.49	3.84	0	0
1	370.06	1.93	1.28	13.58	10.6	10.31	1.03	6.49	3.35	0	0
1.1	370.19	2.07	1.41	16.01	11.4	10.31	1.1	6.49	3.14	0.000805	8.61935
1.2	370.27	2.14	1.43	16.92	11.87	10.31	1.15	6.49	3.03	0	0
1.3	370.33	2.2	1.49	18.22	12.23	10.31	1.19	6.49	2.94	0	0
1.4	370.43	2.3	1.51	19.31	12.81	10.31	1.24	6.49	2.82	0.001392	16.76113
1.5	370.51	2.38	1.49	19.79	13.3	10.31	1.29	6.49	2.73	0.000145	1.80762
1.6	370.54	2.41	1.47	19.82	13.52	10.31	1.31	6.49	2.69	0	0
1.7	370.54	2.42	1.39	18.84	13.54	10.31	1.31	6.49	2.68	0	0
1.8	370.52	2.39	1.31	17.58	13.39	10.31	1.3	6.49	2.71	0	0
1.9	370.48	2.35	1.27	16.63	13.13	10.31	1.27	6.49	2.76	0	0
2	370.43	2.3	1.23	15.82	12.84	10.31	1.24	6.49	2.82	0	0
2.1	370.37	2.24	1.19	14.83	12.5	10.31	1.21	6.49	2.89	0	0
2.2	370.3	2.17	1.15	13.86	12.03	10.31	1.17	6.49	2.99	0	0
2.3	370.21	2.08	1.12	12.82	11.48	10.31	1.11	6.49	3.12	0	0
2.4	370.15	2.02	1.1	12.24	11.12	10.31	1.08	6.49	3.21	0	0
2.5	370.09	1.96	1.09	11.69	10.74	10.31	1.04	6.49	3.31	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 13897

MASSIMA PORTATA 21.90 AT TIME 1.48
MASSIMA QUOTA PELO LIBERO 370.65 AT TIME 1.64

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	368.12	0	0	0	0	0	0	0	0	0	0
0.1	368.12	0	0	0	0	0	0	0	0	0	0
0.2	368.12	0	0	0	0	0	0	0	0	0	0
0.3	368.12	0	0	0	0	0	0	0	0	0	0
0.4	368.12	0	0	0	0	0	0	0	0	0	0
0.5	368.12	0	0	0	0	0	0	0	0	0	0
0.6	368.12	0	0	0	0	0	0	0	0	0	0
0.7	368.12	0	0	0	0	0	0	0	0	0	0
0.8	369.2	1.08	1.1	5.78	5.23	6.68	0.78	5.52	5.11	0.001067	8.09458
0.9	369.79	1.67	1.45	11	7.59	9.57	0.79	5.7	3.41	0	0
1	370.04	1.92	1.5	13.4	8.91	9.57	0.93	5.7	2.97	0	0
1.1	370.17	2.05	1.65	15.81	9.59	9.57	1	5.7	2.78	0.001496	14.52893
1.2	370.25	2.13	1.66	16.61	10	9.57	1.05	5.7	2.67	0	0
1.3	370.31	2.19	1.73	17.88	10.32	9.57	1.08	5.7	2.6	0	0
1.4	370.4	2.28	1.76	18.99	10.81	9.57	1.13	5.7	2.49	0.004816	52.74092
1.5	370.48	2.37	1.73	19.41	11.25	9.57	1.18	5.7	2.41	0	0
1.6	370.52	2.4	1.69	19.4	11.45	9.57	1.2	5.7	2.37	0	0
1.7	370.53	2.41	1.61	18.47	11.49	9.57	1.2	5.7	2.36	0	0
1.8	370.5	2.38	1.52	17.29	11.36	9.57	1.19	5.7	2.39	0	0
1.9	370.46	2.34	1.47	16.41	11.15	9.57	1.16	5.7	2.43	0	0
2	370.41	2.29	1.44	15.67	10.89	9.57	1.14	5.7	2.48	0	0
2.1	370.35	2.24	1.39	14.73	10.6	9.57	1.11	5.7	2.55	0.000159	1.71206
2.2	370.28	2.16	1.36	13.85	10.19	9.57	1.06	5.7	2.64	0.000393	4.05255
2.3	370.19	2.07	1.32	12.83	9.72	9.57	1.02	5.7	2.75	0.000413	4.06634
2.4	370.13	2.01	1.3	12.26	9.4	9.57	0.98	5.7	2.83	0.000119	1.13268
2.5	370.07	1.95	1.29	11.72	9.08	9.57	0.95	5.7	2.92	0.000575	5.2898

0.5	368.12	0	0	0	0	0	0	0	0	0	0
0.6	368.12	0	0	0	0	0	0	0	0	0	0
0.7	368.12	0	0	0	0	0	0	0	0	0	0
0.8	369.09	0.97	1.21	5.41	4.47	5.6	0.8	4.47	4.6	0.002693	20.80924
0.9	369.68	1.57	1.66	10.66	6.44	8.35	0.77	4.67	2.98	0.002259	16.88998
1	369.95	1.83	1.7	13.02	7.64	8.35	0.92	4.67	2.55	0.003213	28.50146
1.1	370.08	1.96	1.88	15.48	8.24	8.35	0.99	4.67	2.39	0.00257	24.59904
1.2	370.16	2.04	1.88	16.2	8.6	8.35	1.03	4.67	2.29	0.003357	33.50553
1.3	370.21	2.09	1.98	17.55	8.86	8.35	1.06	4.67	2.23	0.001669	17.16756
1.4	370.3	2.19	2	18.5	9.27	8.35	1.11	4.67	2.14	0	0
1.5	370.4	2.28	1.95	18.97	9.72	8.35	1.16	4.67	2.05	0.000139	1.57178
1.6	370.44	2.32	1.93	19.12	9.89	8.35	1.18	4.67	2.01	0.001644	18.87692
1.7	370.45	2.33	1.83	18.19	9.96	8.35	1.19	4.67	2	0.001611	18.63165
1.8	370.43	2.31	1.73	17.07	9.86	8.35	1.18	4.67	2.02	0.000818	9.36515
1.9	370.39	2.27	1.68	16.28	9.69	8.35	1.16	4.67	2.06	0.000731	8.22345
2	370.35	2.23	1.64	15.57	9.49	8.35	1.14	4.67	2.1	0.001855	20.43187
2.1	370.29	2.17	1.59	14.68	9.25	8.35	1.11	4.67	2.15	0.000559	5.99932
2.2	370.22	2.1	1.56	13.86	8.9	8.35	1.07	4.67	2.23	0.002108	21.775
2.3	370.13	2.01	1.51	12.85	8.5	8.35	1.02	4.67	2.32	0.000696	6.87174
2.4	370.06	1.95	1.5	12.29	8.21	8.35	0.98	4.67	2.4	0.001226	11.68422
2.5	370	1.88	1.48	11.75	7.92	8.35	0.95	4.67	2.48	0.000953	8.76799

CHANNEL HYDROGRAPH FOR ELEMENT NO: 14162

MASSIMA PORTATA 21.33 AT TIME 1.61
MASSIMA QUOTA PELO LIBERO 370.57 AT TIME 1.68

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.11	0	0	0	0	0	0	0	0	0	0
0.1	368.11	0	0	0	0	0	0	0	0	0	0
0.2	368.11	0	0	0	0	0	0	0	0	0	0
0.3	368.11	0	0	0	0	0	0	0	0	0	0
0.4	368.11	0	0	0	0	0	0	0	0	0	0
0.5	368.11	0	0	0	0	0	0	0	0	0	0
0.6	368.11	0	0	0	0	0	0	0	0	0	0
0.7	368.11	0	0	0	0	0	0	0	0	0	0
0.8	369.04	0.94	1.21	5.19	4.28	5.46	0.78	4.38	4.68	0.001786	13.55546
0.9	369.65	1.54	1.69	10.46	6.18	7.91	0.78	4.53	2.93	0.001267	9.59514
1	369.91	1.81	1.74	12.78	7.34	7.91	0.93	4.53	2.51	0.003301	29.68571
1.1	370.05	1.94	1.92	15.23	7.92	7.91	1	4.53	2.33	0.002091	20.28773
1.2	370.12	2.02	1.93	15.93	8.24	7.91	1.04	4.53	2.25	0.003967	40.07356
1.3	370.18	2.07	2.03	17.25	8.49	7.91	1.07	4.53	2.18	0	0
1.4	370.27	2.16	2.04	18.16	8.88	7.91	1.12	4.53	2.09	0.001149	12.503
1.5	370.37	2.26	2	18.62	9.3	7.91	1.18	4.53	2	0.0014	15.96212
1.6	370.4	2.3	1.99	18.93	9.5	7.91	1.2	4.53	1.97	0.002658	30.95616
1.7	370.42	2.31	1.89	17.99	9.53	7.91	1.21	4.53	1.96	0	0
1.8	370.4	2.29	1.79	16.94	9.45	7.91	1.19	4.53	1.98	0.001736	20.11219
1.9	370.36	2.26	1.74	16.19	9.31	7.91	1.18	4.53	2.01	0.000173	1.97027
2	370.32	2.21	1.7	15.5	9.12	7.91	1.15	4.53	2.05	0	0
2.1	370.27	2.16	1.64	14.63	8.92	7.91	1.13	4.53	2.09	0	0
2.2	370.19	2.09	1.61	13.84	8.58	7.91	1.09	4.53	2.17	0	0
2.3	370.11	2	1.57	12.88	8.2	7.91	1.04	4.53	2.26	0.001389	13.96276
2.4	370.05	1.94	1.55	12.32	7.92	7.91	1	4.53	2.34	0.000633	6.15223
2.5	369.98	1.88	1.54	11.77	7.66	7.91	0.97	4.53	2.41	0.000939	8.81375

CHANNEL HYDROGRAPH FOR ELEMENT NO: 14249

MASSIMA PORTATA 21.43 AT TIME 1.61
MASSIMA QUOTA PELO LIBERO 370.54 AT TIME 1.6

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.11	0	0	0	0	0	0	0	0	0	0
0.1	368.11	0	0	0	0	0	0	0	0	0	0
0.2	368.11	0	0	0	0	0	0	0	0	0	0
0.3	368.11	0	0	0	0	0	0	0	0	0	0
0.4	368.11	0	0	0	0	0	0	0	0	0	0
0.5	368.11	0	0	0	0	0	0	0	0	0	0
0.6	368.11	0	0	0	0	0	0	0	0	0	0
0.7	368.11	0	0	0	0	0	0	0	0	0	0
0.8	369	0.89	1.2	4.96	4.13	5.31	0.78	4.22	4.76	0.002067	15.59298
0.9	369.62	1.51	1.72	10.28	5.97	7.43	0.8	4.31	2.86	0.001927	14.99221
1	369.88	1.77	1.78	12.56	7.07	7.43	0.95	4.31	2.43	0.000815	7.51385

1.1	370.01	1.9	1.96	15.01	7.65	7.43	1.03	4.31	2.27	0	0
1.2	370.08	1.98	1.97	15.72	7.96	7.43	1.07	4.31	2.18	0.003177	32.98626
1.3	370.14	2.03	2.08	16.98	8.17	7.43	1.1	4.31	2.12	0.002287	24.37218
1.4	370.23	2.12	2.09	17.9	8.56	7.43	1.15	4.31	2.03	0	0
1.5	370.32	2.21	2.06	18.44	8.96	7.43	1.2	4.31	1.95	0.000132	1.54503
1.6	370.38	2.27	2.04	18.75	9.2	7.43	1.24	4.31	1.9	0.001027	12.31373
1.7	370.37	2.26	1.95	17.87	9.18	7.43	1.23	4.31	1.9	0.003952	47.28454
1.8	370.36	2.25	1.85	16.89	9.11	7.43	1.23	4.31	1.92	0	0
1.9	370.33	2.22	1.79	16.12	9.01	7.43	1.21	4.31	1.94	0.004173	49.00586
2	370.29	2.18	1.75	15.48	8.84	7.43	1.19	4.31	1.98	0.000428	4.93606
2.1	370.24	2.14	1.69	14.6	8.62	7.43	1.16	4.31	2.02	0.002199	24.72776
2.2	370.17	2.06	1.67	13.87	8.32	7.43	1.12	4.31	2.09	0.000211	2.28826
2.3	370.08	1.97	1.62	12.92	7.97	7.43	1.07	4.31	2.18	0.001322	13.73991
2.4	370.02	1.91	1.61	12.39	7.69	7.43	1.03	4.31	2.25	0.001107	11.09895
2.5	369.96	1.85	1.59	11.81	7.44	7.43	1	4.31	2.33	0.002253	21.85203

CHANNEL HYDROGRAPH FOR ELEMENT NO: 14337

MASSIMA	PORTATA	22.19	AT TIME	1.6
MASSIMA	QUOTA PELO LIBERO	370.54	AT TIME	1.54

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.11	0	0	0	0	0	0	0	0	0	0
0.1	368.11	0	0	0	0	0	0	0	0	0	0
0.2	368.11	0	0	0	0	0	0	0	0	0	0
0.3	368.11	0	0	0	0	0	0	0	0	0	0
0.4	368.11	0	0	0	0	0	0	0	0	0	0
0.5	368.11	0	0	0	0	0	0	0	0	0	0
0.6	368.11	0	0	0	0	0	0	0	0	0	0
0.7	368.11	0	0	0	0	0	0	0	0	0	0
0.8	368.95	0.84	1.14	4.72	4.15	5.42	0.77	4.23	5.04	0.002145	15.90417
0.9	369.58	1.48	1.67	10.13	6.07	7.26	0.84	4.25	2.88	0.002216	17.9537
1	369.84	1.73	1.74	12.39	7.13	7.26	0.98	4.25	2.46	0.002711	25.80193
1.1	369.98	1.87	1.9	14.82	7.79	7.26	1.07	4.25	2.26	0.003246	33.71724
1.2	370.05	1.95	1.93	15.56	8.06	7.26	1.11	4.25	2.18	0.003464	37.2518
1.3	370.1	1.99	2.03	16.8	8.28	7.26	1.14	4.25	2.13	0.004092	45.21443
1.4	370.19	2.08	2.04	17.65	8.65	7.26	1.19	4.25	2.04	0.004879	56.34657
1.5	370.28	2.17	2.02	18.34	9.07	7.26	1.25	4.25	1.95	0.000861	10.42573
1.6	370.34	2.23	1.99	18.64	9.36	7.26	1.29	4.25	1.9	0.002194	27.39613
1.7	370.33	2.22	1.91	17.87	9.34	7.26	1.29	4.25	1.91	0.006014	74.96426
1.8	370.32	2.21	1.82	16.86	9.28	7.26	1.28	4.25	1.92	0.003846	47.62254
1.9	370.3	2.19	1.76	16.17	9.17	7.26	1.26	4.25	1.94	0.00386	47.235
2	370.26	2.15	1.72	15.47	9.01	7.26	1.24	4.25	1.97	0.002486	29.87989
2.1	370.2	2.1	1.67	14.65	8.79	7.26	1.21	4.25	2.03	0.000591	6.92827
2.2	370.14	2.03	1.65	13.96	8.47	7.26	1.17	4.25	2.09	0.001061	12.0007
2.3	370.06	1.95	1.6	13	8.14	7.26	1.12	4.25	2.17	0.001141	12.39672
2.4	369.99	1.88	1.6	12.55	7.84	7.26	1.08	4.25	2.25	0.00124	12.97459
2.5	369.93	1.83	1.57	11.92	7.6	7.26	1.05	4.25	2.33	0.001041	10.5568

CHANNEL HYDROGRAPH FOR ELEMENT NO: 14423

MASSIMA	PORTATA	22.25	AT TIME	1.6
MASSIMA	QUOTA PELO LIBERO	370.49	AT TIME	1.58

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.1	0	0	0	0	0	0	0	0	0	0
0.1	368.1	0	0	0	0	0	0	0	0	0	0
0.2	368.1	0	0	0	0	0	0	0	0	0	0
0.3	368.1	0	0	0	0	0	0	0	0	0	0
0.4	368.1	0	0	0	0	0	0	0	0	0	0
0.5	368.1	0	0	0	0	0	0	0	0	0	0
0.6	368.1	0	0	0	0	0	0	0	0	0	0
0.7	368.1	0	0	0	0	0	0	0	0	0	0
0.8	368.91	0.81	1.04	4.47	4.28	5.59	0.77	4.5	5.57	0.001679	12.47239
0.9	369.57	1.47	1.57	9.96	6.36	7.7	0.83	4.55	3.1	0.00209	16.74099
1	369.8	1.7	1.65	12.18	7.39	7.7	0.96	4.55	2.68	0.004125	38.40911
1.1	369.95	1.86	1.8	14.61	8.13	7.7	1.06	4.55	2.45	0.003511	35.96516
1.2	370.01	1.91	1.85	15.44	8.36	7.7	1.09	4.55	2.38	0.002782	29.31222
1.3	370.06	1.97	1.92	16.63	8.65	7.7	1.12	4.55	2.32	0.002369	25.79871
1.4	370.14	2.05	1.94	17.48	9.03	7.7	1.17	4.55	2.23	0.008321	94.62489
1.5	370.24	2.14	1.93	18.25	9.46	7.7	1.23	4.55	2.12	0.005353	63.75264
1.6	370.31	2.21	1.89	18.55	9.8	7.7	1.27	4.55	2.06	0.001868	23.04651

1.7	370.31	2.21	1.82	17.86	9.82	7.7	1.28	4.55	2.06	0.000957	11.83404
1.8	370.3	2.2	1.73	16.87	9.73	7.7	1.26	4.55	2.07	0.003692	45.26567
1.9	370.27	2.17	1.68	16.18	9.62	7.7	1.25	4.55	2.1	0.002064	25.01906
2	370.23	2.13	1.64	15.51	9.43	7.7	1.23	4.55	2.13	0.001424	16.91087
2.1	370.19	2.09	1.6	14.73	9.22	7.7	1.2	4.55	2.18	0.001058	12.28842
2.2	370.11	2.01	1.58	14.05	8.9	7.7	1.16	4.55	2.26	0.000289	3.24211
2.3	370.04	1.94	1.54	13.16	8.53	7.7	1.11	4.55	2.35	0.001694	18.20209
2.4	369.97	1.87	1.54	12.69	8.23	7.7	1.07	4.55	2.43	0.001314	13.62533
2.5	369.92	1.82	1.51	12.08	7.97	7.7	1.04	4.55	2.5	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 14509

MASSIMA PORTATA 22.66 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 370.47 AT TIME 1.69

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.1	0	0	0	0	0	0	0	0	0	0
0.1	368.1	0	0	0	0	0	0	0	0	0	0
0.2	368.1	0	0	0	0	0	0	0	0	0	0
0.3	368.1	0	0	0	0	0	0	0	0	0	0
0.4	368.1	0	0	0	0	0	0	0	0	0	0
0.5	368.1	0	0	0	0	0	0	0	0	0	0
0.6	368.1	0	0	0	0	0	0	0	0	0	0
0.7	368.1	0	0	0	0	0	0	0	0	0	0
0.8	368.87	0.78	0.97	4.23	4.37	5.7	0.77	4.74	6.1	0.001257	9.35004
0.9	369.56	1.46	1.48	9.8	6.64	8.08	0.82	4.86	3.32	0.002186	17.39518
1	369.77	1.67	1.58	12.02	7.63	8.08	0.94	4.86	2.91	0.000854	7.8136
1.1	369.93	1.83	1.71	14.45	8.43	8.08	1.04	4.86	2.65	0	0
1.2	369.98	1.88	1.77	15.32	8.67	8.08	1.07	4.86	2.59	0.000263	2.73401
1.3	370.04	1.94	1.83	16.48	9	8.08	1.11	4.86	2.5	0.003511	37.88548
1.4	370.12	2.03	1.85	17.39	9.38	8.08	1.16	4.86	2.4	0.001292	14.53146
1.5	370.21	2.11	1.84	18.12	9.83	8.08	1.22	4.86	2.3	0.004311	50.7762
1.6	370.28	2.19	1.82	18.53	10.21	8.08	1.26	4.86	2.22	0.001411	17.26544
1.7	370.29	2.19	1.74	17.82	10.24	8.08	1.27	4.86	2.22	0.000945	11.60131
1.8	370.27	2.17	1.67	16.9	10.12	8.08	1.25	4.86	2.24	0	0
1.9	370.25	2.15	1.62	16.22	10.03	8.08	1.24	4.86	2.26	0.001522	18.30356
2	370.21	2.11	1.59	15.57	9.81	8.08	1.21	4.86	2.31	0.000727	8.54786
2.1	370.16	2.06	1.55	14.83	9.59	8.08	1.19	4.86	2.35	0.003345	38.46446
2.2	370.1	2	1.53	14.18	9.28	8.08	1.15	4.86	2.43	0.002415	26.87398
2.3	370.02	1.92	1.5	13.32	8.89	8.08	1.1	4.86	2.53	0.001562	16.65516
2.4	369.96	1.86	1.49	12.83	8.59	8.08	1.06	4.86	2.61	0.000961	9.89174
2.5	369.9	1.8	1.47	12.2	8.31	8.08	1.03	4.86	2.7	0.000913	9.09325

CHANNEL HYDROGRAPH FOR ELEMENT NO: 14596

MASSIMA PORTATA 23.31 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 370.45 AT TIME 1.58

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.09	0	0	0	0	0	0	0	0	0	0
0.1	368.09	0	0	0	0	0	0	0	0	0	0
0.2	368.09	0	0	0	0	0	0	0	0	0	0
0.3	368.09	0	0	0	0	0	0	0	0	0	0
0.4	368.09	0	0	0	0	0	0	0	0	0	0
0.5	368.09	0	0	0	0	0	0	0	0	0	0
0.6	368.09	0	0	0	0	0	0	0	0	0	0
0.7	368.09	0	0	0	0	0	0	0	0	0	0
0.8	368.84	0.76	0.86	3.98	4.61	5.88	0.78	4.96	6.55	0.000928	7.05468
0.9	369.55	1.47	1.37	9.64	7.05	8.5	0.83	5.09	3.47	0.001746	14.03782
1	369.75	1.66	1.48	11.87	8.01	8.5	0.94	5.09	3.07	0	0
1.1	369.91	1.82	1.61	14.32	8.87	8.5	1.04	5.09	2.8	0	0
1.2	369.96	1.87	1.67	15.24	9.13	8.5	1.07	5.09	2.72	0.003576	37.23207
1.3	370.03	1.94	1.72	16.3	9.46	8.5	1.11	5.09	2.63	0.003331	35.9103
1.4	370.1	2.01	1.74	17.12	9.84	8.5	1.16	5.09	2.53	0	0
1.5	370.19	2.11	1.74	18.03	10.37	8.5	1.22	5.09	2.42	0.000402	4.75104
1.6	370.27	2.18	1.71	18.42	10.75	8.5	1.26	5.09	2.34	0.001124	13.76989
1.7	370.28	2.19	1.65	17.81	10.81	8.5	1.27	5.09	2.33	0.001517	18.69273
1.8	370.25	2.16	1.59	16.94	10.66	8.5	1.25	5.09	2.36	0.00255	30.99188
1.9	370.23	2.15	1.54	16.28	10.57	8.5	1.24	5.09	2.37	0	0
2	370.19	2.1	1.51	15.61	10.34	8.5	1.22	5.09	2.42	0.002909	34.29451
2.1	370.15	2.06	1.47	14.87	10.12	8.5	1.19	5.09	2.48	0.002621	30.23376
2.2	370.08	1.99	1.46	14.26	9.78	8.5	1.15	5.09	2.55	0.002687	29.96585

2.3	370.01	1.92	1.43	13.47	9.4	8.5	1.11	5.09	2.65	0.000523	5.60866
2.4	369.95	1.86	1.43	12.99	9.09	8.5	1.07	5.09	2.74	0	0
2.5	369.89	1.8	1.4	12.33	8.8	8.5	1.03	5.09	2.83	0.001526	15.30814

CHANNEL HYDROGRAPH FOR ELEMENT NO: 14682

MASSIMA PORTATA 22.80 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 370.44 AT TIME 1.53

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.09	0	0	0	0	0	0	0	0	0	0
0.1	368.09	0	0	0	0	0	0	0	0	0	0
0.2	368.09	0	0	0	0	0	0	0	0	0	0
0.3	368.09	0	0	0	0	0	0	0	0	0	0
0.4	368.09	0	0	0	0	0	0	0	0	0	0
0.5	368.09	0	0	0	0	0	0	0	0	0	0
0.6	368.09	0	0	0	0	0	0	0	0	0	0
0.7	368.09	0	0	0	0	0	0	0	0	0	0
0.8	368.82	0.73	0.81	3.71	4.59	6.13	0.75	5.2	7.1	0.000561	4.07148
0.9	369.55	1.46	1.34	9.47	7.08	8.73	0.81	5.38	3.68	0.000917	7.20787
1	369.72	1.64	1.47	11.77	8	8.73	0.92	5.38	3.29	0.002632	23.35887
1.1	369.89	1.81	1.59	14.15	8.9	8.73	1.02	5.38	2.98	0.001081	10.67336
1.2	369.95	1.86	1.65	15.13	9.17	8.73	1.05	5.38	2.9	0.004249	43.2127
1.3	370	1.91	1.7	16.11	9.47	8.73	1.08	5.38	2.82	0	0
1.4	370.08	1.99	1.71	16.91	9.87	8.73	1.13	5.38	2.71	0.002777	30.40253
1.5	370.18	2.1	1.72	17.93	10.43	8.73	1.19	5.38	2.57	0	0
1.6	370.25	2.16	1.69	18.33	10.83	8.73	1.24	5.38	2.49	0.000511	6.14224
1.7	370.27	2.18	1.63	17.8	10.92	8.73	1.25	5.38	2.47	0.000622	7.53538
1.8	370.24	2.15	1.58	16.97	10.75	8.73	1.23	5.38	2.5	0.001344	16.03816
1.9	370.22	2.13	1.53	16.29	10.65	8.73	1.22	5.38	2.52	0.000995	11.7654
2	370.18	2.09	1.5	15.64	10.43	8.73	1.19	5.38	2.58	0.003037	35.13949
2.1	370.14	2.05	1.46	14.92	10.21	8.73	1.17	5.38	2.63	0.002516	28.51232
2.2	370.07	1.98	1.45	14.34	9.86	8.73	1.13	5.38	2.71	0.000494	5.40063
2.3	370	1.91	1.43	13.57	9.48	8.73	1.09	5.38	2.82	0	0
2.4	369.94	1.85	1.43	13.09	9.17	8.73	1.05	5.38	2.9	0	0
2.5	369.89	1.8	1.4	12.44	8.88	8.73	1.02	5.38	2.99	0.000241	2.36963

CHANNEL HYDROGRAPH FOR ELEMENT NO: 14769

MASSIMA PORTATA 22.45 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 370.42 AT TIME 1.59

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.08	0	0	0	0	0	0	0	0	0	0
0.1	368.08	0	0	0	0	0	0	0	0	0	0
0.2	368.08	0	0	0	0	0	0	0	0	0	0
0.3	368.08	0	0	0	0	0	0	0	0	0	0
0.4	368.08	0	0	0	0	0	0	0	0	0	0
0.5	368.08	0	0	0	0	0	0	0	0	0	0
0.6	368.08	0	0	0	0	0	0	0	0	0	0
0.7	368.08	0	0	0	0	0	0	0	0	0	0
0.8	368.79	0.71	0.81	3.5	4.31	5.55	0.78	4.78	6.69	0.001012	7.61099
0.9	369.54	1.46	1.38	9.32	6.77	8.5	0.8	5.39	3.69	0.00131	10.12078
1	369.71	1.63	1.52	11.67	7.67	8.5	0.9	5.39	3.31	0.002686	23.47951
1.1	369.87	1.8	1.63	13.97	8.55	8.5	1.01	5.39	3	0.001476	14.38914
1.2	369.92	1.85	1.71	15.05	8.81	8.5	1.04	5.39	2.92	0	0
1.3	369.98	1.9	1.75	15.95	9.12	8.5	1.07	5.39	2.84	0.001204	12.51835
1.4	370.05	1.98	1.75	16.65	9.5	8.5	1.12	5.39	2.73	0.00179	19.399
1.5	370.15	2.08	1.76	17.74	10.06	8.5	1.18	5.39	2.6	0.003639	41.7294
1.6	370.24	2.16	1.75	18.29	10.47	8.5	1.23	5.39	2.5	0.001882	22.471
1.7	370.25	2.18	1.68	17.73	10.58	8.5	1.25	5.39	2.48	0	0
1.8	370.22	2.14	1.63	16.99	10.41	8.5	1.23	5.39	2.52	0	0
1.9	370.2	2.12	1.58	16.3	10.33	8.5	1.22	5.39	2.54	0	0
2	370.16	2.08	1.55	15.7	10.11	8.5	1.19	5.39	2.59	0.001185	13.65816
2.1	370.12	2.04	1.51	14.98	9.91	8.5	1.17	5.39	2.64	0	0
2.2	370.06	1.98	1.51	14.4	9.56	8.5	1.12	5.39	2.72	0	0
2.3	369.99	1.91	1.49	13.65	9.19	8.5	1.08	5.39	2.82	0	0
2.4	369.93	1.85	1.48	13.16	8.88	8.5	1.04	5.39	2.91	0.000736	7.45144
2.5	369.88	1.8	1.46	12.53	8.59	8.5	1.01	5.39	3	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 14854

MASSIMA	PORTATA	22.47	AT TIME	1.6							
MASSIMA	QUOTA PELO LIBERO	370.35	AT TIME	1.69							
TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.08	0	0	0	0	0	0	0	0	0	0
0.1	368.08	0	0	0	0	0	0	0	0	0	0
0.2	368.08	0	0	0	0	0	0	0	0	0	0
0.3	368.08	0	0	0	0	0	0	0	0	0	0
0.4	368.08	0	0	0	0	0	0	0	0	0	0
0.5	368.08	0	0	0	0	0	0	0	0	0	0
0.6	368.08	0	0	0	0	0	0	0	0	0	0
0.7	368.08	0	0	0	0	0	0	0	0	0	0
0.8	368.76	0.68	0.78	3.29	4.22	5.45	0.77	4.71	6.92	0.001313	9.86083
0.9	369.51	1.44	1.37	9.18	6.69	8.5	0.79	5.39	3.75	0.001394	10.62622
1	369.68	1.6	1.53	11.57	7.54	8.5	0.89	5.39	3.37	0.000155	1.3301
1.1	369.84	1.76	1.65	13.81	8.39	8.5	0.99	5.39	3.06	0.000944	9.03786
1.2	369.89	1.81	1.72	14.94	8.67	8.5	1.02	5.39	2.97	0	0
1.3	369.95	1.87	1.76	15.76	8.98	8.5	1.06	5.39	2.88	0.00314	32.14847
1.4	370.02	1.94	1.76	16.38	9.32	8.5	1.1	5.39	2.78	0	0
1.5	370.12	2.04	1.78	17.62	9.89	8.5	1.16	5.39	2.64	0.001882	21.22417
1.6	370.2	2.12	1.77	18.2	10.3	8.5	1.21	5.39	2.55	0.002617	30.75144
1.7	370.22	2.14	1.69	17.69	10.46	8.5	1.23	5.39	2.52	0	0
1.8	370.19	2.11	1.65	17	10.29	8.5	1.21	5.39	2.55	0.001206	14.15307
1.9	370.18	2.1	1.6	16.31	10.2	8.5	1.2	5.39	2.57	0.000128	1.48382
2	370.14	2.06	1.57	15.71	10.01	8.5	1.18	5.39	2.62	0.000116	1.32785
2.1	370.1	2.02	1.53	15.02	9.81	8.5	1.15	5.39	2.66	0	0
2.2	370.04	1.96	1.53	14.43	9.46	8.5	1.11	5.39	2.75	0	0
2.3	369.97	1.89	1.5	13.72	9.13	8.5	1.07	5.39	2.85	0	0
2.4	369.91	1.83	1.5	13.23	8.8	8.5	1.04	5.39	2.94	0.000993	9.96658
2.5	369.86	1.78	1.48	12.59	8.52	8.5	1	5.39	3.03	0.000186	1.80416

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.06	0	0	0	0	0	0	0	0	0	0
0.1	368.06	0	0	0	0	0	0	0	0	0	0
0.2	368.06	0	0	0	0	0	0	0	0	0	0
0.3	368.06	0	0	0	0	0	0	0	0	0	0
0.4	368.06	0	0	0	0	0	0	0	0	0	0
0.5	368.06	0	0	0	0	0	0	0	0	0	0
0.6	368.06	0	0	0	0	0	0	0	0	0	0
0.7	368.06	0	0	0	0	0	0	0	0	0	0
0.8	368.7	0.64	0.74	2.88	3.91	5.18	0.75	4.51	7.07	0.001412	10.33168
0.9	369.48	1.42	1.38	8.89	6.42	8.64	0.74	5.5	3.87	0.00092	6.63271
1	369.63	1.57	1.56	11.3	7.23	8.64	0.84	5.5	3.49	0.001711	13.88511
1.1	369.78	1.72	1.67	13.44	8.02	8.64	0.93	5.5	3.19	0.002092	18.83651
1.2	369.83	1.78	1.75	14.57	8.32	8.64	0.96	5.5	3.09	0.001673	15.62289
1.3	369.89	1.84	1.77	15.26	8.65	8.64	1	5.5	2.99	0.001324	12.84424
1.4	369.94	1.88	1.78	15.9	8.91	8.64	1.03	5.5	2.92	0.000896	8.95741
1.5	370.05	2	1.81	17.22	9.52	8.64	1.1	5.5	2.75	0.000532	5.68087
1.6	370.13	2.07	1.81	18.04	9.97	8.64	1.15	5.5	2.65	0.000687	7.68716
1.7	370.17	2.11	1.72	17.5	10.16	8.64	1.18	5.5	2.61	0.003998	45.5766
1.8	370.14	2.08	1.7	16.98	9.99	8.64	1.16	5.5	2.65	0	0
1.9	370.13	2.07	1.64	16.31	9.93	8.64	1.15	5.5	2.66	0.001787	19.91697
2	370.09	2.03	1.61	15.7	9.73	8.64	1.13	5.5	2.7	0.001206	13.16512
2.1	370.06	2	1.58	15.06	9.56	8.64	1.11	5.5	2.75	0.001047	11.23848
2.2	369.99	1.94	1.58	14.53	9.22	8.64	1.07	5.5	2.84	0.000875	9.05519
2.3	369.94	1.88	1.54	13.78	8.92	8.64	1.03	5.5	2.92	0.001333	13.34607
2.4	369.88	1.82	1.55	13.34	8.6	8.64	1	5.5	3.02	0.000777	7.50008
2.5	369.83	1.77	1.52	12.7	8.33	8.64	0.96	5.5	3.1	0.000417	3.89856

CHANNEL HYDROGRAPH FOR ELEMENT NO: 15111

MASSIMA PORTATA 22.12 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 370.27 AT TIME 1.64

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.06	0	0	0	0	0	0	0	0	0	0
0.1	368.06	0	0	0	0	0	0	0	0	0	0
0.2	368.06	0	0	0	0	0	0	0	0	0	0
0.3	368.06	0	0	0	0	0	0	0	0	0	0
0.4	368.06	0	0	0	0	0	0	0	0	0	0
0.5	368.06	0	0	0	0	0	0	0	0	0	0
0.6	368.06	0	0	0	0	0	0	0	0	0	0
0.7	368.06	0	0	0	0	0	0	0	0	0	0
0.8	368.67	0.61	0.72	2.69	3.75	5.04	0.74	4.38	7.18	0.001253	9.03402
0.9	369.46	1.4	1.4	8.74	6.25	8.65	0.72	5.5	3.92	0.000804	5.63367
1	369.61	1.55	1.58	11.13	7.02	8.65	0.81	5.5	3.55	0.000737	5.80045
1.1	369.75	1.69	1.69	13.18	7.79	8.65	0.9	5.5	3.25	0.003399	29.67211
1.2	369.81	1.75	1.76	14.27	8.1	8.65	0.94	5.5	3.14	0.001748	15.87066
1.3	369.86	1.8	1.77	14.94	8.42	8.65	0.97	5.5	3.05	0.004182	39.48853
1.4	369.91	1.85	1.78	15.49	8.69	8.65	1	5.5	2.96	0.002368	23.05729
1.5	370.02	1.96	1.81	16.83	9.28	8.65	1.07	5.5	2.8	0.002122	22.0755
1.6	370.11	2.05	1.83	17.84	9.76	8.65	1.13	5.5	2.68	0	0
1.7	370.14	2.08	1.75	17.38	9.93	8.65	1.15	5.5	2.64	0.001409	15.69434
1.8	370.11	2.05	1.73	16.92	9.8	8.65	1.13	5.5	2.68	0	0
1.9	370.1	2.04	1.68	16.3	9.72	8.65	1.12	5.5	2.69	0.003419	37.25715
2	370.06	2	1.65	15.7	9.51	8.65	1.1	5.5	2.74	0.006114	65.20304
2.1	370.04	1.98	1.6	15.03	9.37	8.65	1.08	5.5	2.78	0.000884	9.29353
2.2	369.97	1.92	1.61	14.54	9.04	8.65	1.05	5.5	2.87	0.00111	11.25446
2.3	369.92	1.86	1.58	13.8	8.75	8.65	1.01	5.5	2.95	0.000966	9.47412
2.4	369.86	1.8	1.58	13.37	8.45	8.65	0.98	5.5	3.05	0.000755	7.1453
2.5	369.81	1.76	1.56	12.72	8.18	8.65	0.95	5.5	3.13	0.00049	4.49244

CHANNEL HYDROGRAPH FOR ELEMENT NO: 15197

MASSIMA PORTATA 22.08 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 370.28 AT TIME 1.84

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	368.05	0	0	0	0	0	0	0	0	0	0
0.1	368.05	0	0	0	0	0	0	0	0	0	0
0.2	368.05	0	0	0	0	0	0	0	0	0	0
0.3	368.05	0	0	0	0	0	0	0	0	0	0
0.4	368.05	0	0	0	0	0	0	0	0	0	0
0.5	368.05	0	0	0	0	0	0	0	0	0	0
0.6	368.05	0	0	0	0	0	0	0	0	0	0
0.7	368.05	0	0	0	0	0	0	0	0	0	0
0.8	368.63	0.59	0.71	2.54	3.58	4.83	0.74	4.13	7.05	0.00128	9.19881
0.9	369.44	1.39	1.43	8.63	6.04	8.73	0.69	5.5	3.95	0.000818	5.4844
1	369.58	1.53	1.62	10.96	6.78	8.73	0.78	5.5	3.59	0.000771	5.80039
1.1	369.72	1.67	1.72	12.91	7.51	8.73	0.86	5.5	3.29	0.003345	27.91624
1.2	369.78	1.73	1.79	14	7.83	8.73	0.9	5.5	3.18	0.00278	24.17732
1.3	369.84	1.79	1.79	14.59	8.17	8.73	0.94	5.5	3.07	0.000128	1.16452
1.4	369.88	1.84	1.79	15.07	8.41	8.73	0.96	5.5	2.99	0.003884	36.28244
1.5	369.99	1.94	1.84	16.51	8.96	8.73	1.03	5.5	2.83	0.007161	71.27426
1.6	370.08	2.03	1.87	17.7	9.48	8.73	1.09	5.5	2.71	0.000104	1.09341
1.7	370.11	2.06	1.78	17.26	9.68	8.73	1.11	5.5	2.67	0.000639	6.86128
1.8	370.09	2.04	1.77	16.89	9.55	8.73	1.09	5.5	2.69	0.006174	65.46873
1.9	370.08	2.03	1.72	16.25	9.47	8.73	1.08	5.5	2.71	0	0
2	370.04	1.99	1.69	15.7	9.28	8.73	1.06	5.5	2.77	0.000956	9.85092
2.1	370.01	1.96	1.65	15.03	9.12	8.73	1.05	5.5	2.8	0.000605	6.1301
2.2	369.95	1.9	1.65	14.56	8.82	8.73	1.01	5.5	2.89	0.001502	14.71628
2.3	369.9	1.85	1.62	13.82	8.53	8.73	0.98	5.5	2.97	0.001387	13.1424
2.4	369.85	1.8	1.63	13.41	8.25	8.73	0.94	5.5	3.06	0.000828	7.58397
2.5	369.8	1.75	1.6	12.74	7.98	8.73	0.91	5.5	3.14	0.000838	7.42547

0.5	368.04	0	0	0	0	0	0	0	0	0	0
0.6	368.04	0	0	0	0	0	0	0	0	0	0
0.7	368.04	0	0	0	0	0	0	0	0	0	0
0.8	368.57	0.53	0.68	2.24	3.27	4.19	0.78	3.43	6.49	0.00193	14.61078
0.9	369.39	1.35	1.48	8.28	5.6	8.82	0.64	5.5	4.07	0.001054	6.48655
1	369.53	1.49	1.65	10.47	6.33	8.82	0.72	5.5	3.7	0.00098	6.81536
1.1	369.65	1.62	1.73	12.12	7.02	8.82	0.8	5.5	3.41	0.001068	8.24041
1.2	369.72	1.68	1.79	13.18	7.37	8.82	0.84	5.5	3.28	0.002509	20.31274
1.3	369.78	1.74	1.76	13.57	7.7	8.82	0.87	5.5	3.16	0.00257	21.73679
1.4	369.81	1.78	1.79	14.14	7.9	8.82	0.9	5.5	3.1	0.001783	15.47428
1.5	369.91	1.87	1.85	15.58	8.43	8.82	0.96	5.5	2.94	0	0
1.6	370.01	1.97	1.88	16.88	8.98	8.82	1.02	5.5	2.79	0	0
1.7	370.05	2.01	1.82	16.7	9.19	8.82	1.04	5.5	2.73	0	0
1.8	370.02	1.99	1.84	16.68	9.06	8.82	1.03	5.5	2.77	0	0
1.9	370.02	1.98	1.78	16.03	9	8.82	1.02	5.5	2.78	0.001704	16.84544
2	369.98	1.94	1.77	15.61	8.84	8.82	1	5.5	2.83	0.000509	4.94583
2.1	369.95	1.91	1.72	14.92	8.66	8.82	0.98	5.5	2.88	0.001737	16.5324
2.2	369.91	1.87	1.72	14.51	8.42	8.82	0.95	5.5	2.95	0	0
2.3	369.85	1.81	1.7	13.81	8.13	8.82	0.92	5.5	3.03	0.001848	16.50852
2.4	369.81	1.77	1.7	13.43	7.88	8.82	0.89	5.5	3.11	0.000993	8.59059
2.5	369.76	1.72	1.67	12.75	7.61	8.82	0.86	5.5	3.2	0.001101	9.20606

CHANNEL HYDROGRAPH FOR ELEMENT NO: 15452

MASSIMA PORTATA 21.52 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 370.19 AT TIME 1.65

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.04	0	0	0	0	0	0	0	0	0	0
0.1	368.04	0	0	0	0	0	0	0	0	0	0
0.2	368.04	0	0	0	0	0	0	0	0	0	0
0.3	368.04	0	0	0	0	0	0	0	0	0	0
0.4	368.04	0	0	0	0	0	0	0	0	0	0
0.5	368.04	0	0	0	0	0	0	0	0	0	0
0.6	368.04	0	0	0	0	0	0	0	0	0	0
0.7	368.04	0	0	0	0	0	0	0	0	0	0
0.8	368.53	0.5	0.67	2.11	3.15	4.17	0.76	3.38	6.81	0.002077	15.2302
0.9	369.36	1.32	1.53	8.21	5.37	8.96	0.6	5.5	4.16	0.001589	9.23532
1	369.5	1.46	1.7	10.39	6.09	8.96	0.68	5.5	3.77	0.001474	9.72112
1.1	369.62	1.58	1.77	11.98	6.77	8.96	0.76	5.5	3.47	0.001116	8.1782
1.2	369.69	1.65	1.83	13.03	7.13	8.96	0.8	5.5	3.34	0.003533	27.27102
1.3	369.75	1.71	1.79	13.35	7.46	8.96	0.83	5.5	3.22	0.003557	28.73096
1.4	369.78	1.75	1.83	13.96	7.65	8.96	0.85	5.5	3.15	0.003778	31.26292
1.5	369.88	1.84	1.9	15.45	8.15	8.96	0.91	5.5	2.99	0.003301	29.11122
1.6	369.97	1.93	1.93	16.78	8.68	8.96	0.97	5.5	2.84	0.000529	4.96995
1.7	370.01	1.97	1.87	16.64	8.91	8.96	0.99	5.5	2.79	0.001022	9.85943
1.8	370	1.96	1.89	16.7	8.83	8.96	0.99	5.5	2.81	0.0008	7.64262
1.9	369.98	1.94	1.84	16.09	8.73	8.96	0.98	5.5	2.83	0.004008	37.88433
2	369.96	1.92	1.82	15.63	8.61	8.96	0.96	5.5	2.87	0.001723	16.06101
2.1	369.92	1.89	1.78	14.98	8.43	8.96	0.94	5.5	2.92	0.001314	11.98531
2.2	369.88	1.84	1.78	14.57	8.2	8.96	0.92	5.5	2.99	0.001055	9.36479
2.3	369.83	1.79	1.75	13.87	7.92	8.96	0.88	5.5	3.07	0.001866	16.00753
2.4	369.78	1.74	1.75	13.47	7.68	8.96	0.86	5.5	3.15	0.000966	8.0348
2.5	369.74	1.7	1.72	12.8	7.43	8.96	0.83	5.5	3.24	0.000994	7.99313

CHANNEL HYDROGRAPH FOR ELEMENT NO: 15537

MASSIMA PORTATA 21.34 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 370.1 AT TIME 1.64

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.03	0	0	0	0	0	0	0	0	0	0
0.1	368.03	0	0	0	0	0	0	0	0	0	0
0.2	368.03	0	0	0	0	0	0	0	0	0	0
0.3	368.03	0	0	0	0	0	0	0	0	0	0
0.4	368.03	0	0	0	0	0	0	0	0	0	0
0.5	368.03	0	0	0	0	0	0	0	0	0	0
0.6	368.03	0	0	0	0	0	0	0	0	0	0
0.7	368.03	0	0	0	0	0	0	0	0	0	0
0.8	368.5	0.47	0.66	1.99	3.03	4.12	0.74	3.36	7.14	0.001654	11.81285
0.9	369.32	1.29	1.54	7.87	5.11	8.95	0.57	5.45	4.22	0.002074	11.48456
1	369.46	1.43	1.71	10	5.83	8.95	0.65	5.45	3.81	0.002052	12.962

1.1	369.58	1.55	1.78	11.56	6.49	8.95	0.73	5.45	3.51	0.001667	11.71887
1.2	369.65	1.62	1.86	12.77	6.87	8.95	0.77	5.45	3.36	0.002632	19.5637
1.3	369.71	1.68	1.82	13.02	7.16	8.95	0.8	5.45	3.24	0.001167	9.04988
1.4	369.74	1.71	1.88	13.79	7.34	8.95	0.82	5.45	3.19	0.002435	19.35367
1.5	369.83	1.8	1.96	15.27	7.8	8.95	0.87	5.45	3.03	0	0
1.6	369.93	1.9	2	16.68	8.36	8.95	0.93	5.45	2.87	0.001068	9.66462
1.7	369.97	1.94	1.93	16.61	8.6	8.95	0.96	5.45	2.8	0.001337	12.45787
1.8	369.96	1.93	1.96	16.72	8.53	8.95	0.95	5.45	2.82	0.002999	27.70412
1.9	369.94	1.91	1.91	16.07	8.43	8.95	0.94	5.45	2.85	0.004516	41.21888
2	369.92	1.89	1.88	15.67	8.33	8.95	0.93	5.45	2.88	0.002608	23.50788
2.1	369.89	1.86	1.84	15	8.15	8.95	0.91	5.45	2.93	0.00112	9.87569
2.2	369.85	1.82	1.83	14.57	7.95	8.95	0.89	5.45	2.99	0.002408	20.71763
2.3	369.8	1.77	1.81	13.89	7.68	8.95	0.86	5.45	3.08	0.000867	7.20998
2.4	369.75	1.73	1.81	13.48	7.46	8.95	0.83	5.45	3.16	0.001077	8.69489
2.5	369.71	1.68	1.78	12.82	7.21	8.95	0.81	5.45	3.24	0.001086	8.48127

CHANNEL HYDROGRAPH FOR ELEMENT NO: 15622

MASSIMA PORTATA 21.08 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 370.06 AT TIME 1.62

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.03	0	0	0	0	0	0	0	0	0	0
0.1	368.03	0	0	0	0	0	0	0	0	0	0
0.2	368.03	0	0	0	0	0	0	0	0	0	0
0.3	368.03	0	0	0	0	0	0	0	0	0	0
0.4	368.03	0	0	0	0	0	0	0	0	0	0
0.5	368.03	0	0	0	0	0	0	0	0	0	0
0.6	368.03	0	0	0	0	0	0	0	0	0	0
0.7	368.03	0	0	0	0	0	0	0	0	0	0
0.8	368.46	0.44	0.65	1.86	2.85	4.04	0.71	3.4	7.8	0.001927	13.16728
0.9	369.28	1.25	1.55	7.51	4.84	8.81	0.55	5.38	4.3	0.001758	9.36894
1	369.42	1.39	1.73	9.63	5.57	8.81	0.63	5.38	3.87	0.001733	10.6278
1.1	369.54	1.51	1.81	11.22	6.19	8.81	0.7	5.38	3.57	0.001566	10.66999
1.2	369.61	1.58	1.91	12.58	6.58	8.81	0.75	5.38	3.41	0.001664	12.04613
1.3	369.66	1.63	1.88	12.81	6.83	8.81	0.77	5.38	3.3	0.002058	15.45369
1.4	369.69	1.67	1.95	13.7	7.03	8.81	0.8	5.38	3.23	0.001309	10.12566
1.5	369.77	1.75	2.02	15.12	7.47	8.81	0.85	5.38	3.08	0	0
1.6	369.88	1.85	2.07	16.63	8.02	8.81	0.91	5.38	2.91	0.00142	12.52735
1.7	369.93	1.9	2.01	16.57	8.26	8.81	0.94	5.38	2.84	0.001757	15.96249
1.8	369.91	1.88	2.04	16.75	8.23	8.81	0.93	5.38	2.86	0	0
1.9	369.89	1.87	1.98	16.13	8.13	8.81	0.92	5.38	2.88	0.004064	36.36577
2	369.88	1.85	1.95	15.7	8.04	8.81	0.91	5.38	2.91	0.001209	10.69321
2.1	369.85	1.82	1.91	15.04	7.86	8.81	0.89	5.38	2.96	0.001524	13.17862
2.2	369.81	1.78	1.91	14.63	7.68	8.81	0.87	5.38	3.02	0.00219	18.50157
2.3	369.76	1.73	1.88	13.95	7.43	8.81	0.84	5.38	3.11	0.003229	26.39988
2.4	369.72	1.69	1.87	13.53	7.22	8.81	0.82	5.38	3.18	0.001314	10.43313
2.5	369.68	1.65	1.84	12.87	6.98	8.81	0.79	5.38	3.26	0.001306	10.02989

CHANNEL HYDROGRAPH FOR ELEMENT NO: 15707

MASSIMA PORTATA 20.72 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 369.97 AT TIME 1.62

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.02	0	0	0	0	0	0	0	0	0	0
0.1	368.02	0	0	0	0	0	0	0	0	0	0
0.2	368.02	0	0	0	0	0	0	0	0	0	0
0.3	368.02	0	0	0	0	0	0	0	0	0	0
0.4	368.02	0	0	0	0	0	0	0	0	0	0
0.5	368.02	0	0	0	0	0	0	0	0	0	0
0.6	368.02	0	0	0	0	0	0	0	0	0	0
0.7	368.02	0	0	0	0	0	0	0	0	0	0
0.8	368.42	0.4	0.67	1.74	2.6	3.81	0.68	3.36	8.4	0.002408	15.95116
0.9	369.23	1.22	1.65	7.35	4.46	8.61	0.52	5.4	4.44	0.001264	6.34652
1	369.37	1.36	1.81	9.43	5.21	8.61	0.61	5.4	3.98	0.001051	6.1688
1.1	369.48	1.47	1.91	11.06	5.79	8.61	0.67	5.4	3.68	0.000987	6.44147
1.2	369.56	1.54	2.01	12.48	6.21	8.61	0.72	5.4	3.5	0.001583	11.07876
1.3	369.6	1.58	1.99	12.75	6.41	8.61	0.74	5.4	3.42	0.004445	32.07231
1.4	369.64	1.62	2.06	13.65	6.64	8.61	0.77	5.4	3.33	0.001656	12.37845
1.5	369.72	1.7	2.13	15.02	7.06	8.61	0.82	5.4	3.17	0.000229	1.82392
1.6	369.82	1.8	2.18	16.6	7.6	8.61	0.88	5.4	3	0.000776	6.64321

1.7	369.86	1.84	2.12	16.61	7.82	8.61	0.91	5.4	2.93	0.002097	18.47287
1.8	369.87	1.85	2.14	16.81	7.86	8.61	0.91	5.4	2.92	0.001479	13.09279
1.9	369.85	1.83	2.09	16.21	7.77	8.61	0.9	5.4	2.95	0.002182	19.08275
2	369.83	1.81	2.05	15.75	7.67	8.61	0.89	5.4	2.98	0.0025	21.61012
2.1	369.8	1.78	2.02	15.11	7.49	8.61	0.87	5.4	3.04	0.001264	10.66084
2.2	369.77	1.75	2.01	14.72	7.34	8.61	0.85	5.4	3.09	0.000946	7.81618
2.3	369.72	1.7	1.98	14.06	7.1	8.61	0.83	5.4	3.17	0.002557	20.45946
2.4	369.68	1.66	1.97	13.61	6.9	8.61	0.8	5.4	3.25	0.001043	8.09865
2.5	369.64	1.62	1.94	12.94	6.66	8.61	0.77	5.4	3.33	0.001038	7.78493

CHANNEL HYDROGRAPH FOR ELEMENT NO: 15791

MASSIMA	PORTATA	20.51	AT TIME	1.6
MASSIMA	QUOTA PELO LIBERO	369.91	AT TIME	1.6

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.01	0	0	0	0	0	0	0	0	0	0
0.1	368.01	0	0	0	0	0	0	0	0	0	0
0.2	368.01	0	0	0	0	0	0	0	0	0	0
0.3	368.01	0	0	0	0	0	0	0	0	0	0
0.4	368.01	0	0	0	0	0	0	0	0	0	0
0.5	368.01	0	0	0	0	0	0	0	0	0	0
0.6	368.01	0	0	0	0	0	0	0	0	0	0
0.7	368.01	0	0	0	0	0	0	0	0	0	0
0.8	368.37	0.36	0.7	1.65	2.35	3.79	0.62	3.33	9.3	0.007638	45.81221
0.9	369.16	1.16	1.88	7.22	3.83	8.76	0.44	5.28	4.57	0.00893	37.87924
1	369.31	1.3	2.04	9.34	4.59	8.76	0.52	5.28	4.05	0.009444	47.91923
1.1	369.42	1.41	2.15	11.04	5.15	8.76	0.59	5.28	3.75	0.009938	56.59227
1.2	369.5	1.49	2.23	12.48	5.6	8.76	0.64	5.28	3.54	0.009084	56.30138
1.3	369.53	1.52	2.22	12.77	5.76	8.76	0.66	5.28	3.47	0.009749	62.15212
1.4	369.58	1.57	2.27	13.65	6.03	8.76	0.69	5.28	3.36	0.009706	64.71421
1.5	369.66	1.65	2.33	15.01	6.43	8.76	0.73	5.28	3.2	0.011004	78.31421
1.6	369.76	1.75	2.38	16.63	6.98	8.76	0.8	5.28	3.02	0.010069	77.71982
1.7	369.8	1.79	2.33	16.73	7.18	8.76	0.82	5.28	2.95	0.01111	88.28259
1.8	369.81	1.8	2.34	16.94	7.25	8.76	0.83	5.28	2.93	0.009608	77.09796
1.9	369.79	1.79	2.28	16.36	7.16	8.76	0.82	5.28	2.96	0.00665	52.69957
2	369.78	1.77	2.25	15.88	7.07	8.76	0.81	5.28	2.99	0.009645	75.45459
2.1	369.74	1.74	2.21	15.3	6.91	8.76	0.79	5.28	3.04	0.008582	65.58174
2.2	369.72	1.71	2.2	14.9	6.77	8.76	0.77	5.28	3.09	0.008331	62.43902
2.3	369.67	1.67	2.17	14.24	6.55	8.76	0.75	5.28	3.17	0.007622	55.26535
2.4	369.64	1.63	2.17	13.74	6.34	8.76	0.72	5.28	3.25	0.008524	59.80571
2.5	369.59	1.58	2.15	13.1	6.1	8.76	0.7	5.28	3.34	0.008243	55.64742

CHANNEL HYDROGRAPH FOR ELEMENT NO: 15875

MASSIMA	PORTATA	7.27	AT TIME	1.6
MASSIMA	QUOTA PELO LIBERO	369.85	AT TIME	1.6

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.01	0	0	0	0	0	0	0	0	0	0
0.1	368.01	0	0	0	0	0	0	0	0	0	0
0.2	368.01	0	0	0	0	0	0	0	0	0	0
0.3	368.01	0	0	0	0	0	0	0	0	0	0
0.4	368.01	0	0	0	0	0	0	0	0	0	0
0.5	368.01	0	0	0	0	0	0	0	0	0	0
0.6	368.01	0	0	0	0	0	0	0	0	0	0
0.7	368.01	0	0	0	0	0	0	0	0	0	0
0.8	368.31	0.3	0.34	0.63	1.84	3.66	0.5	3.3	10.99	0.011386	55.48204
0.9	369.03	1.03	0.86	2.6	3.03	8.42	0.36	4.93	4.81	0.014877	51.78308
1	369.19	1.18	0.92	3.34	3.63	8.42	0.43	4.93	4.17	0.01615	67.51375
1.1	369.3	1.29	0.96	3.91	4.09	8.42	0.49	4.93	3.81	0.016714	78.73482
1.2	369.4	1.39	0.98	4.42	4.5	8.42	0.53	4.93	3.55	0.014525	75.18318
1.3	369.43	1.42	0.98	4.55	4.63	8.42	0.55	4.93	3.47	0.013463	71.74142
1.4	369.49	1.48	0.99	4.84	4.87	8.42	0.58	4.93	3.34	0.016359	91.68392
1.5	369.57	1.56	1.02	5.29	5.21	8.42	0.62	4.93	3.17	0.018512	110.93288
1.6	369.68	1.67	1.03	5.85	5.69	8.42	0.68	4.93	2.96	0.0175	114.5571
1.7	369.72	1.71	1	5.91	5.89	8.42	0.7	4.93	2.89	0.01614	109.44732
1.8	369.73	1.73	0.99	5.92	5.98	8.42	0.71	4.93	2.86	0.013859	95.30084
1.9	369.72	1.71	0.97	5.72	5.92	8.42	0.7	4.93	2.89	0.01068	72.70028
2	369.7	1.69	0.96	5.59	5.84	8.42	0.69	4.93	2.92	0.012793	86.00618
2.1	369.67	1.66	0.94	5.38	5.72	8.42	0.68	4.93	2.97	0.013607	89.55828
2.2	369.64	1.64	0.94	5.25	5.62	8.42	0.67	4.93	3.02	0.013789	89.11441

2.3	369.6	1.59	0.93	5.05	5.42	8.42	0.64	4.93	3.1	0.012602	78.62136
2.4	369.56	1.55	0.93	4.87	5.23	8.42	0.62	4.93	3.19	0.014151	85.11443
2.5	369.51	1.5	0.94	4.69	5.01	8.42	0.59	4.93	3.29	0.013843	79.77129

CHANNEL HYDROGRAPH FOR ELEMENT NO: 15960

MASSIMA PORTATA 5.98 AT TIME 1.72
MASSIMA QUOTA PELO LIBERO 369.56 AT TIME 1.72

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368	0	0	0	0	0	0	0	0	0	0
0.1	368	0	0	0	0	0	0	0	0	0	0
0.2	368	0	0	0	0	0	0	0	0	0	0
0.3	368	0	0	0	0	0	0	0	0	0	0
0.4	368	0	0	0	0	0	0	0	0	0	0
0.5	368	0	0	0	0	0	0	0	0	0	0
0.6	368	0	0	0	0	0	0	0	0	0	0
0.7	368	0	0	0	0	0	0	0	0	0	0
0.8	368.22	0.22	0.26	0.34	1.34	3.45	0.39	3.25	14.8	0.006318	23.72323
0.9	368.82	0.82	0.57	1.36	2.38	4.69	0.51	3.51	4.27	0.008021	39.51001
1	368.96	0.96	0.65	1.83	2.82	4.97	0.57	3.57	3.72	0.009159	50.42047
1.1	369.06	1.06	0.72	2.28	3.16	7.13	0.44	3.6	3.39	0.009534	40.9882
1.2	369.15	1.16	0.78	2.74	3.51	7.13	0.49	3.6	3.12	0.008171	38.96566
1.3	369.18	1.19	0.8	2.9	3.64	7.13	0.51	3.6	3.03	0.008133	40.22257
1.4	369.24	1.24	0.84	3.22	3.85	7.13	0.54	3.6	2.9	0.009662	50.59896
1.5	369.32	1.32	0.89	3.72	4.16	7.13	0.58	3.6	2.73	0.011206	63.34539
1.6	369.43	1.43	0.98	4.51	4.62	7.13	0.65	3.6	2.51	0.011134	69.92123
1.7	369.49	1.49	0.96	4.67	4.89	7.13	0.69	3.6	2.41	0.008964	59.60801
1.8	369.51	1.52	0.96	4.78	4.99	7.13	0.7	3.6	2.38	0.007479	50.76067
1.9	369.5	1.51	0.93	4.6	4.97	7.13	0.7	3.6	2.39	0.007414	50.05363
2	369.49	1.49	0.9	4.41	4.92	7.13	0.69	3.6	2.41	0.006343	42.39536
2.1	369.46	1.46	0.86	4.14	4.82	7.13	0.68	3.6	2.46	0.007766	50.85103
2.2	369.44	1.44	0.83	3.92	4.73	7.13	0.66	3.6	2.5	0.007732	49.68606
2.3	369.39	1.39	0.78	3.55	4.54	7.13	0.64	3.6	2.58	0.007255	44.82399
2.4	369.34	1.35	0.76	3.29	4.34	7.13	0.61	3.6	2.68	0.00793	46.8042
2.5	369.29	1.29	0.74	3.04	4.11	7.13	0.58	3.6	2.79	0.007673	42.89826

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16045

MASSIMA PORTATA 5.82 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 369.42 AT TIME 1.89

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.99	0	0	0	0	0	0	0	0	0	0
0.1	367.99	0	0	0	0	0	0	0	0	0	0
0.2	367.99	0	0	0	0	0	0	0	0	0	0
0.3	367.99	0	0	0	0	0	0	0	0	0	0
0.4	367.99	0	0	0	0	0	0	0	0	0	0
0.5	367.99	0	0	0	0	0	0	0	0	0	0
0.6	367.99	0	0	0	0	0	0	0	0	0	0
0.7	367.99	0	0	0	0	0	0	0	0	0	0
0.8	368.17	0.18	0.26	0.27	1.07	3.04	0.35	2.93	16.4	0.002126	7.27139
0.9	368.75	0.76	0.66	1.33	2.01	4.24	0.47	3.21	4.2	0.002097	9.63847
1	368.88	0.89	0.76	1.82	2.41	4.62	0.52	3.39	3.82	0.00273	13.79376
1.1	368.96	0.97	0.84	2.27	2.71	5.36	0.51	4.05	4.16	0.003084	15.15025
1.2	369.04	1.06	0.9	2.73	3.03	6.12	0.5	4.75	4.49	0.002924	14.04355
1.3	369.07	1.09	0.92	2.9	3.16	8.27	0.38	4.77	4.39	0.003646	13.51079
1.4	369.12	1.14	0.95	3.22	3.39	8.27	0.41	4.77	4.2	0.003137	12.46002
1.5	369.19	1.21	1	3.71	3.72	8.27	0.45	4.77	3.96	0.003973	17.32101
1.6	369.3	1.31	1.06	4.49	4.22	8.27	0.51	4.77	3.64	0.004154	20.54024
1.7	369.37	1.38	1.03	4.7	4.55	8.27	0.55	4.77	3.45	0.003259	17.3823
1.8	369.4	1.41	1.03	4.8	4.67	8.27	0.56	4.77	3.39	0.002368	12.9592
1.9	369.39	1.4	1	4.64	4.65	8.27	0.56	4.77	3.4	0.002816	15.36472
2	369.38	1.39	0.96	4.44	4.61	8.27	0.56	4.77	3.42	0.001988	10.74118
2.1	369.36	1.37	0.93	4.17	4.51	8.27	0.55	4.77	3.48	0.002628	13.9007
2.2	369.34	1.35	0.89	3.95	4.42	8.27	0.53	4.77	3.53	0.002379	12.33155
2.3	369.3	1.31	0.85	3.59	4.23	8.27	0.51	4.77	3.64	0.002108	10.46198
2.4	369.25	1.26	0.83	3.34	4.01	8.27	0.48	4.77	3.78	0.002337	10.98426
2.5	369.2	1.21	0.82	3.09	3.76	8.27	0.45	4.77	3.95	0.002165	9.53106

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16129

MASSIMA PORTATA 5.66 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 369.4 AT TIME 1.89

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.99	0	0	0	0	0	0	0	0	0	0
0.1	367.99	0	0	0	0	0	0	0	0	0	0
0.2	367.99	0	0	0	0	0	0	0	0	0	0
0.3	367.99	0	0	0	0	0	0	0	0	0	0
0.4	367.99	0	0	0	0	0	0	0	0	0	0
0.5	367.99	0	0	0	0	0	0	0	0	0	0
0.6	367.99	0	0	0	0	0	0	0	0	0	0
0.7	367.99	0	0	0	0	0	0	0	0	0	0
0.8	368.14	0.15	0.24	0.22	0.88	2.58	0.34	2.49	16.84	0.001634	5.43177
0.9	368.73	0.74	0.72	1.3	1.8	3.94	0.46	2.96	3.99	0.000968	4.28981
1	368.86	0.87	0.83	1.81	2.18	4.57	0.48	3.47	4	0.00107	4.95639
1.1	368.94	0.95	0.92	2.27	2.47	4.99	0.5	3.81	4.01	0.001126	5.40764
1.2	369.01	1.02	1	2.73	2.73	5.35	0.51	4.1	4.02	0.001384	6.85896
1.3	369.04	1.05	1.02	2.9	2.84	5.48	0.52	4.21	4.02	0.001678	8.42312
1.4	369.09	1.1	1.06	3.21	3.03	7.87	0.39	4.38	3.98	0.001012	3.77725
1.5	369.16	1.18	1.1	3.67	3.33	7.87	0.42	4.38	3.73	0.001522	6.23604
1.6	369.27	1.29	1.18	4.5	3.81	7.87	0.48	4.38	3.41	0.000992	4.64864
1.7	369.35	1.36	1.14	4.72	4.14	7.87	0.53	4.38	3.22	0.000687	3.50568
1.8	369.38	1.39	1.13	4.83	4.26	7.87	0.54	4.38	3.16	0.000202	1.06123
1.9	369.37	1.39	1.1	4.68	4.25	7.87	0.54	4.38	3.16	0.000481	2.51832
2	369.36	1.38	1.06	4.48	4.21	7.87	0.54	4.38	3.18	0.000424	2.20069
2.1	369.34	1.36	1.02	4.22	4.13	7.87	0.52	4.38	3.23	0.000553	2.80912
2.2	369.32	1.34	0.99	4	4.05	7.87	0.51	4.38	3.28	0.000535	2.66778
2.3	369.28	1.29	0.94	3.66	3.88	7.87	0.49	4.38	3.38	0.000464	2.2137
2.4	369.23	1.25	0.93	3.4	3.66	7.87	0.47	4.38	3.52	0.000622	2.80702
2.5	369.18	1.19	0.91	3.11	3.42	7.87	0.43	4.38	3.69	0.000761	3.2067

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16213

MASSIMA PORTATA 5.49 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 369.38 AT TIME 1.89

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.98	0	0	0	0	0	0	0	0	0	0
0.1	367.98	0	0	0	0	0	0	0	0	0	0
0.2	367.98	0	0	0	0	0	0	0	0	0	0
0.3	367.98	0	0	0	0	0	0	0	0	0	0
0.4	367.98	0	0	0	0	0	0	0	0	0	0
0.5	367.98	0	0	0	0	0	0	0	0	0	0
0.6	367.98	0	0	0	0	0	0	0	0	0	0
0.7	367.98	0	0	0	0	0	0	0	0	0	0
0.8	368.09	0.12	0.21	0.15	0.72	2.39	0.3	2.31	19.99	0.002144	6.26929
0.9	368.7	0.72	0.77	1.28	1.66	3.93	0.42	2.99	4.12	0.001273	5.21047
1	368.83	0.85	0.9	1.8	2.01	4.36	0.46	3.28	3.87	0.001295	5.79248
1.1	368.91	0.93	1	2.26	2.27	4.65	0.49	3.48	3.74	0.001308	6.18976
1.2	368.98	1	1.09	2.72	2.5	4.89	0.51	3.64	3.64	0.001197	5.92303
1.3	369	1.02	1.12	2.9	2.59	4.98	0.52	3.7	3.61	0.00107	5.38416
1.4	369.05	1.07	1.17	3.21	2.74	5.14	0.53	3.81	3.56	0.000953	4.92929
1.5	369.12	1.14	1.23	3.64	2.96	7.61	0.39	3.95	3.48	0.002091	7.88351
1.6	369.23	1.26	1.31	4.45	3.4	7.61	0.45	3.95	3.15	0.001128	4.883
1.7	369.32	1.34	1.26	4.71	3.75	7.61	0.49	3.95	2.94	0.000744	3.55301
1.8	369.35	1.37	1.25	4.82	3.86	7.61	0.51	3.95	2.88	0.000255	1.25348
1.9	369.35	1.37	1.21	4.69	3.86	7.61	0.51	3.95	2.88	0.00055	2.70619
2	369.34	1.36	1.17	4.49	3.83	7.61	0.5	3.95	2.9	0.000504	2.46256
2.1	369.32	1.34	1.13	4.24	3.76	7.61	0.49	3.95	2.94	0.000642	3.07286
2.2	369.3	1.32	1.09	4.03	3.69	7.61	0.48	3.95	2.99	0.00062	2.91417
2.3	369.26	1.28	1.04	3.69	3.54	7.61	0.46	3.95	3.08	0.00062	2.79214
2.4	369.21	1.23	1.02	3.42	3.34	7.61	0.44	3.95	3.21	0.000807	3.43124
2.5	369.15	1.17	1.01	3.13	3.1	7.61	0.41	3.95	3.38	0.001085	4.28879

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16297

MASSIMA PORTATA 5.33 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 369.34 AT TIME 1.89

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.97	0	0	0	0	0	0	0	0	0	0
0.1	367.97	0	0	0	0	0	0	0	0	0	0
0.2	367.97	0	0	0	0	0	0	0	0	0	0
0.3	367.97	0	0	0	0	0	0	0	0	0	0
0.4	367.97	0	0	0	0	0	0	0	0	0	0
0.5	367.97	0	0	0	0	0	0	0	0	0	0
0.6	367.97	0	0	0	0	0	0	0	0	0	0
0.7	367.97	0	0	0	0	0	0	0	0	0	0
0.8	368.05	0.08	0.17	0.1	0.57	2.12	0.27	2.02	24.42	0.002405	6.24142
0.9	368.67	0.7	0.84	1.25	1.5	3.68	0.41	2.74	3.9	0.001622	6.38461
1	368.79	0.82	0.99	1.79	1.81	4.03	0.45	2.93	3.56	0.001633	7.09759
1.1	368.87	0.9	1.11	2.25	2.03	4.25	0.48	3.06	3.39	0.001632	7.53918
1.2	368.94	0.97	1.23	2.72	2.22	4.45	0.5	3.17	3.26	0.001528	7.3951
1.3	368.97	1	1.26	2.89	2.3	4.52	0.51	3.21	3.22	0.001331	6.55525
1.4	369.01	1.04	1.32	3.21	2.43	4.64	0.52	3.28	3.15	0.001088	5.51973
1.5	369.06	1.09	1.4	3.63	2.59	4.79	0.54	3.36	3.08	0.001756	9.19239
1.6	369.18	1.21	1.52	4.41	2.91	7.29	0.4	3.47	2.86	0.00215	8.3024
1.7	369.28	1.32	1.45	4.7	3.24	7.29	0.44	3.47	2.64	0.001633	7.02784
1.8	369.32	1.35	1.44	4.81	3.35	7.29	0.46	3.47	2.57	0.000958	4.26325
1.9	369.32	1.35	1.4	4.69	3.36	7.29	0.46	3.47	2.57	0.001228	5.48262
2	369.31	1.34	1.34	4.5	3.35	7.29	0.46	3.47	2.59	0.001297	5.76819
2.1	369.29	1.32	1.29	4.25	3.29	7.29	0.45	3.47	2.62	0.001416	6.19177
2.2	369.27	1.3	1.25	4.05	3.23	7.29	0.44	3.47	2.66	0.001389	5.96973
2.3	369.23	1.26	1.21	3.74	3.1	7.29	0.43	3.47	2.75	0.001294	5.33495
2.4	369.18	1.21	1.18	3.45	2.93	7.29	0.4	3.47	2.87	0.001605	6.26021
2.5	369.11	1.14	1.15	3.14	2.73	4.92	0.56	3.44	3.01	0.001484	7.99275

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16298

MASSIMA PORTATA 5.28 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 369.27 AT TIME 1.89

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.97	0	0	0	0	0	0	0	0	0	0
0.1	367.97	0	0	0	0	0	0	0	0	0	0
0.2	367.97	0	0	0	0	0	0	0	0	0	0
0.3	367.97	0	0	0	0	0	0	0	0	0	0
0.4	367.97	0	0	0	0	0	0	0	0	0	0
0.5	367.97	0	0	0	0	0	0	0	0	0	0
0.6	367.97	0	0	0	0	0	0	0	0	0	0
0.7	367.97	0	0	0	0	0	0	0	0	0	0
0.8	368.02	0.05	0.1	0.04	0.41	1.54	0.27	1.48	30.83	0.005808	15.09131
0.9	368.63	0.66	0.88	1.23	1.4	3.34	0.42	2.45	3.71	0.00229	9.32998
1	368.75	0.78	1.06	1.78	1.68	3.62	0.46	2.57	3.29	0.002524	11.35823
1.1	368.83	0.86	1.2	2.25	1.87	3.8	0.49	2.65	3.08	0.002654	12.64256
1.2	368.89	0.92	1.34	2.72	2.03	3.96	0.51	2.72	2.94	0.002642	13.12847
1.3	368.92	0.95	1.38	2.89	2.09	4.02	0.52	2.74	2.89	0.00246	12.43262
1.4	368.96	0.99	1.45	3.21	2.21	4.12	0.54	2.79	2.8	0.002308	11.99098
1.5	369.01	1.04	1.55	3.62	2.34	4.24	0.55	2.83	2.72	0.002632	14.06723
1.6	369.09	1.12	1.73	4.4	2.55	4.43	0.57	2.91	2.59	0.003739	20.82537
1.7	369.2	1.23	1.7	4.7	2.77	7.01	0.39	2.99	2.43	0.00443	16.94437
1.8	369.24	1.27	1.68	4.84	2.88	7.01	0.41	2.99	2.36	0.00364	14.49114
1.9	369.24	1.27	1.63	4.75	2.91	7.01	0.41	2.99	2.35	0.003785	15.21995
2	369.24	1.27	1.56	4.55	2.92	7.01	0.42	2.99	2.35	0.00363	14.65602
2.1	369.22	1.26	1.49	4.3	2.89	7.01	0.41	2.99	2.38	0.003548	14.17885
2.2	369.21	1.24	1.43	4.09	2.85	7.01	0.41	2.99	2.41	0.00335	13.20703
2.3	369.17	1.2	1.36	3.77	2.76	7.01	0.39	2.99	2.49	0.0025	9.5492
2.4	369.12	1.15	1.31	3.46	2.64	4.5	0.59	2.94	2.55	0.002877	16.40165
2.5	369.06	1.09	1.26	3.14	2.48	4.36	0.57	2.88	2.64	0.00255	14.10158

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16382

MASSIMA PORTATA 5.24 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 369.15 AT TIME 1.94

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	367.96	0	0	0	0	0	0	0	0	0	0
0.1	367.96	0	0	0	0	0	0	0	0	0	0
0.2	367.96	0	0	0	0	0	0	0	0	0	0
0.3	367.96	0	0	0	0	0	0	0	0	0	0
0.4	367.96	0	0	0	0	0	0	0	0	0	0
0.5	367.96	0	0	0	0	0	0	0	0	0	0
0.6	367.96	0	0	0	0	0	0	0	0	0	0
0.7	367.96	0	0	0	0	0	0	0	0	0	0
0.8	367.97	0.02	0.03	0.01	0.01	0.4	0	0.39	0	0.008967	0
0.9	368.58	0.62	0.92	1.21	1.31	3.45	0.38	2.45	3.95	0.003208	11.85916
1	368.69	0.73	1.1	1.77	1.61	3.68	0.44	2.46	3.35	0.003739	15.90087
1.1	368.76	0.81	1.24	2.25	1.81	3.82	0.47	2.46	3.06	0.00404	18.52781
1.2	368.82	0.86	1.38	2.72	1.96	3.94	0.5	2.47	2.85	0.004194	20.2579
1.3	368.85	0.89	1.42	2.88	2.03	3.99	0.51	2.47	2.78	0.004066	20.10234
1.4	368.89	0.93	1.48	3.2	2.16	4.08	0.53	2.47	2.65	0.004053	20.80417
1.5	368.94	0.98	1.58	3.61	2.29	4.17	0.55	2.48	2.53	0.004837	25.7351
1.6	369.01	1.05	1.77	4.39	2.49	4.32	0.58	2.48	2.36	0.00569	31.75809
1.7	369.06	1.11	1.8	4.7	2.62	4.43	0.59	2.49	2.25	0.006467	37.07782
1.8	369.11	1.15	1.76	4.84	2.76	4.52	0.61	2.49	2.17	0.006193	36.63316
1.9	369.13	1.17	1.68	4.75	2.82	4.55	0.62	2.49	2.14	0.005935	35.71571
2	369.14	1.18	1.58	4.55	2.88	4.57	0.63	2.5	2.12	0.00524	31.97781
2.1	369.13	1.17	1.5	4.3	2.87	4.56	0.63	2.49	2.13	0.004904	29.96548
2.2	369.12	1.16	1.44	4.09	2.85	4.53	0.63	2.49	2.15	0.004485	27.30112
2.3	369.09	1.14	1.35	3.77	2.78	4.48	0.62	2.49	2.19	0.003583	21.55523
2.4	369.06	1.1	1.29	3.46	2.68	4.41	0.61	2.49	2.26	0.003456	20.37234
2.5	369	1.04	1.24	3.15	2.54	4.3	0.59	2.48	2.38	0.003416	19.55251

0.5	367.92	0	0	0	0	0	0	0	0	0	0
0.6	367.92	0	0	0	0	0	0	0	0	0	0
0.7	367.92	0	0	0	0	0	0	0	0	0	0
0.8	367.92	0	0	0	0	0	0	0	0	0	0
0.9	368.43	0.51	0.81	1.15	1.41	3.88	0.36	3.48	6.77	0.003919	13.8178
1	368.55	0.63	0.96	1.76	1.84	4.35	0.42	3.81	6.01	0.004089	16.74676
1.1	368.62	0.7	1.06	2.24	2.11	4.51	0.47	3.87	5.51	0.004115	18.62888
1.2	368.67	0.75	1.17	2.71	2.32	4.61	0.5	3.9	5.19	0.003979	19.41991
1.3	368.7	0.78	1.17	2.87	2.45	4.67	0.53	3.91	5.02	0.003505	17.83656
1.4	368.74	0.83	1.2	3.2	2.66	4.77	0.56	3.93	4.76	0.003256	17.61304
1.5	368.79	0.87	1.26	3.59	2.86	4.87	0.59	3.96	4.53	0.003632	20.65657
1.6	368.86	0.94	1.39	4.38	3.15	6.64	0.47	3.96	4.2	0.004062	18.65107
1.7	368.91	0.99	1.4	4.7	3.37	6.64	0.51	3.96	3.99	0.002591	12.73493
1.8	368.96	1.04	1.34	4.82	3.59	6.64	0.54	3.96	3.79	0.00274	14.34116
1.9	369.01	1.09	1.26	4.74	3.77	6.64	0.57	3.96	3.64	0.001634	8.99775
2	369.04	1.12	1.16	4.55	3.92	6.64	0.59	3.96	3.52	0.001671	9.5588
2.1	369.05	1.13	1.1	4.33	3.94	6.64	0.59	3.96	3.51	0.001282	7.36759
2.2	369.04	1.12	1.05	4.12	3.91	6.64	0.59	3.96	3.53	0.001194	6.81819
2.3	369.02	1.1	0.99	3.79	3.83	6.64	0.58	3.96	3.59	0.001136	6.34176
2.4	368.98	1.07	0.95	3.48	3.68	6.64	0.55	3.96	3.71	0.000928	4.98042
2.5	368.94	1.03	0.9	3.16	3.51	6.64	0.53	3.96	3.86	0.001139	5.83621

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16632

MASSIMA PORTATA 5.18 AT TIME 1.6
MASSIMA QUOTA PELO LIBERO 369.06 AT TIME 1.98

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.9	0	0	0	0	0	0	0	0	0	0
0.1	367.9	0	0	0	0	0	0	0	0	0	0
0.2	367.9	0	0	0	0	0	0	0	0	0	0
0.3	367.9	0	0	0	0	0	0	0	0	0	0
0.4	367.9	0	0	0	0	0	0	0	0	0	0
0.5	367.9	0	0	0	0	0	0	0	0	0	0
0.6	367.9	0	0	0	0	0	0	0	0	0	0
0.7	367.9	0	0	0	0	0	0	0	0	0	0
0.8	367.9	0	0	0	0	0	0	0	0	0	0
0.9	368.38	0.49	0.71	1.11	1.56	4.21	0.37	3.82	7.87	0.002315	8.32823
1	368.51	0.62	0.87	1.75	2	4.55	0.44	4.04	6.55	0.002343	9.99102
1.1	368.58	0.69	0.98	2.23	2.28	4.73	0.48	4.15	6.06	0.002286	10.68211
1.2	368.64	0.74	1.07	2.71	2.53	6.35	0.4	4.24	5.7	0.001807	6.98731
1.3	368.68	0.78	1.07	2.87	2.69	6.35	0.42	4.24	5.44	0.001376	5.64471
1.4	368.73	0.83	1.09	3.19	2.93	6.35	0.46	4.24	5.09	0.000975	4.35716
1.5	368.78	0.88	1.14	3.59	3.14	6.35	0.49	4.24	4.81	0.001321	6.33019
1.6	368.85	0.95	1.26	4.35	3.45	6.35	0.54	4.24	4.45	0.001418	7.47007
1.7	368.91	1.01	1.26	4.67	3.71	6.35	0.58	4.24	4.19	0.000402	2.27245
1.8	368.97	1.07	1.22	4.82	3.95	6.35	0.62	4.24	3.97	0.000453	2.73035
1.9	369.01	1.11	1.15	4.75	4.15	6.35	0.65	4.24	3.81	0	0
2	369.05	1.15	1.06	4.56	4.3	6.35	0.68	4.24	3.69	0.000343	2.25316
2.1	369.05	1.15	1.01	4.36	4.32	6.35	0.68	4.24	3.67	0.000177	1.16407
2.2	369.05	1.15	0.97	4.15	4.29	6.35	0.68	4.24	3.7	0.000117	0.76584
2.3	369.02	1.13	0.91	3.82	4.2	6.35	0.66	4.24	3.77	0	0
2.4	368.99	1.09	0.87	3.52	4.04	6.35	0.64	4.24	3.89	0.000121	0.74421
2.5	368.95	1.05	0.82	3.19	3.87	6.35	0.61	4.24	4.04	0.00022	1.29907

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16715

MASSIMA PORTATA 5.07 AT TIME 1.75
MASSIMA QUOTA PELO LIBERO 369.06 AT TIME 1.98

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.88	0	0	0	0	0	0	0	0	0	0
0.1	367.88	0	0	0	0	0	0	0	0	0	0
0.2	367.88	0	0	0	0	0	0	0	0	0	0
0.3	367.88	0	0	0	0	0	0	0	0	0	0
0.4	367.88	0	0	0	0	0	0	0	0	0	0
0.5	367.88	0	0	0	0	0	0	0	0	0	0
0.6	367.88	0	0	0	0	0	0	0	0	0	0
0.7	367.88	0	0	0	0	0	0	0	0	0	0
0.8	367.88	0	0	0	0	0	0	0	0	0	0
0.9	368.35	0.47	0.72	1.08	1.49	4.16	0.36	3.78	7.97	0.00159	5.53691
1	368.49	0.61	0.9	1.74	1.92	4.52	0.42	4.01	6.56	0.001543	6.34298

1.1	368.56	0.68	1.01	2.22	2.19	4.71	0.47	4.13	6.07	0.001449	6.53848
1.2	368.62	0.74	1.1	2.71	2.46	4.88	0.5	4.24	5.69	0.00123	5.99921
1.3	368.66	0.78	1.1	2.86	2.61	6.44	0.4	4.26	5.46	0.00129	5.05911
1.4	368.72	0.84	1.11	3.18	2.85	6.44	0.44	4.26	5.08	0.000947	4.06772
1.5	368.77	0.89	1.16	3.56	3.08	6.44	0.48	4.26	4.79	0.001078	4.98563
1.6	368.84	0.97	1.26	4.27	3.4	6.44	0.53	4.26	4.41	0.001021	5.22016
1.7	368.91	1.03	1.26	4.64	3.67	6.44	0.57	4.26	4.14	0.000397	2.19179
1.8	368.96	1.09	1.23	4.81	3.92	6.44	0.61	4.26	3.92	0.000402	2.36983
1.9	369.01	1.13	1.15	4.76	4.13	6.44	0.64	4.26	3.76	0.00011	0.68147
2	369.05	1.17	1.07	4.58	4.29	6.44	0.67	4.26	3.64	0.000244	1.57097
2.1	369.05	1.17	1.02	4.39	4.31	6.44	0.67	4.26	3.63	0.000147	0.95143
2.2	369.04	1.17	0.98	4.18	4.28	6.44	0.66	4.26	3.65	0	0
2.3	369.02	1.15	0.92	3.86	4.19	6.44	0.65	4.26	3.72	0	0
2.4	368.99	1.11	0.88	3.56	4.03	6.44	0.63	4.26	3.84	0.000141	0.85316
2.5	368.94	1.07	0.84	3.23	3.86	6.44	0.6	4.26	4	0.000213	1.23631

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16798

MASSIMA PORTATA 5.06 AT TIME 1.75
MASSIMA QUOTA PELO LIBERO 369.05 AT TIME 1.98

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.85	0	0	0	0	0	0	0	0	0	0
0.1	367.85	0	0	0	0	0	0	0	0	0	0
0.2	367.85	0	0	0	0	0	0	0	0	0	0
0.3	367.85	0	0	0	0	0	0	0	0	0	0
0.4	367.85	0	0	0	0	0	0	0	0	0	0
0.5	367.85	0	0	0	0	0	0	0	0	0	0
0.6	367.85	0	0	0	0	0	0	0	0	0	0
0.7	367.85	0	0	0	0	0	0	0	0	0	0
0.8	367.85	0	0	0	0	0	0	0	0	0	0
0.9	368.32	0.47	0.74	1.04	1.4	3.97	0.35	3.62	7.72	0.001804	6.17314
1	368.46	0.61	0.96	1.73	1.8	4.36	0.41	3.87	6.31	0.001725	6.90924
1.1	368.53	0.68	1.07	2.22	2.07	4.54	0.45	3.99	5.85	0.001612	7.10965
1.2	368.59	0.75	1.16	2.7	2.33	4.72	0.49	4.1	5.49	0.001483	7.09179
1.3	368.63	0.78	1.15	2.85	2.47	4.81	0.51	4.16	5.32	0.001757	8.74745
1.4	368.69	0.84	1.17	3.16	2.71	6.42	0.42	4.17	4.96	0.001588	6.4927
1.5	368.74	0.89	1.19	3.49	2.94	6.42	0.46	4.17	4.67	0.001568	6.96001
1.6	368.82	0.97	1.29	4.2	3.27	6.42	0.51	4.17	4.29	0.001381	6.81721
1.7	368.89	1.04	1.3	4.62	3.55	6.42	0.55	4.17	4.02	0.000952	5.10952
1.8	368.95	1.1	1.26	4.81	3.82	6.42	0.59	4.17	3.79	0.000782	4.51018
1.9	369	1.15	1.19	4.79	4.03	6.42	0.63	4.17	3.62	0.000459	2.79582
2	369.04	1.19	1.1	4.61	4.19	6.42	0.65	4.17	3.51	0.000615	3.89893
2.1	369.04	1.2	1.05	4.43	4.22	6.42	0.66	4.17	3.49	0.000416	2.64887
2.2	369.04	1.19	1.01	4.23	4.19	6.42	0.65	4.17	3.51	0.000381	2.40758
2.3	369.02	1.17	0.95	3.91	4.1	6.42	0.64	4.17	3.58	0.000454	2.8182
2.4	368.98	1.13	0.91	3.61	3.95	6.42	0.62	4.17	3.69	0.000359	2.14648
2.5	368.94	1.09	0.87	3.28	3.78	6.42	0.59	4.17	3.83	0.000485	2.77185

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16881

MASSIMA PORTATA 5.07 AT TIME 1.75
MASSIMA QUOTA PELO LIBERO 369.04 AT TIME 2

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.83	0	0	0	0	0	0	0	0	0	0
0.1	367.83	0	0	0	0	0	0	0	0	0	0
0.2	367.83	0	0	0	0	0	0	0	0	0	0
0.3	367.83	0	0	0	0	0	0	0	0	0	0
0.4	367.83	0	0	0	0	0	0	0	0	0	0
0.5	367.83	0	0	0	0	0	0	0	0	0	0
0.6	367.83	0	0	0	0	0	0	0	0	0	0
0.7	367.83	0	0	0	0	0	0	0	0	0	0
0.8	367.83	0	0	0	0	0	0	0	0	0	0
0.9	368.28	0.45	0.78	1.01	1.29	3.84	0.34	3.52	7.83	0.002194	7.1494
1	368.43	0.6	1.03	1.72	1.67	4.23	0.4	3.76	6.29	0.002083	7.99364
1.1	368.5	0.67	1.14	2.21	1.94	4.41	0.44	3.87	5.8	0.001955	8.32228
1.2	368.56	0.73	1.23	2.7	2.2	4.58	0.48	3.97	5.41	0.001788	8.32134
1.3	368.6	0.77	1.21	2.85	2.35	4.67	0.5	4.03	5.23	0.001808	8.82814
1.4	368.65	0.83	1.22	3.13	2.57	6.35	0.4	4.08	4.94	0.002008	7.87301
1.5	368.71	0.88	1.22	3.42	2.81	6.35	0.44	4.08	4.62	0.001776	7.61509
1.6	368.79	0.96	1.32	4.16	3.15	6.35	0.5	4.08	4.23	0.001615	7.76658

1.7	368.86	1.04	1.34	4.62	3.45	6.35	0.54	4.08	3.93	0.001153	6.07627
1.8	368.93	1.1	1.29	4.83	3.74	6.35	0.59	4.08	3.7	0.000932	5.31577
1.9	368.99	1.16	1.22	4.84	3.97	6.35	0.63	4.08	3.52	0.000568	3.44275
2	369.03	1.2	1.13	4.67	4.14	6.35	0.65	4.08	3.4	0.000855	5.39713
2.1	369.03	1.2	1.08	4.51	4.16	6.35	0.65	4.08	3.39	0.000567	3.59692
2.2	369.02	1.2	1.04	4.31	4.13	6.35	0.65	4.08	3.41	0.000526	3.31975
2.3	369	1.18	0.98	3.98	4.05	6.35	0.64	4.08	3.47	0.00065	4.02232
2.4	368.97	1.14	0.95	3.69	3.9	6.35	0.61	4.08	3.58	0.000525	3.12597
2.5	368.93	1.1	0.9	3.36	3.73	6.35	0.59	4.08	3.71	0.000645	3.67848

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16964

MASSIMA PORTATA 5.16 AT TIME 1.9
MASSIMA QUOTA PELO LIBERO 369.03 AT TIME 2.04

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.8	0	0	0	0	0	0	0	0	0	0
0.1	367.8	0	0	0	0	0	0	0	0	0	0
0.2	367.8	0	0	0	0	0	0	0	0	0	0
0.3	367.8	0	0	0	0	0	0	0	0	0	0
0.4	367.8	0	0	0	0	0	0	0	0	0	0
0.5	367.8	0	0	0	0	0	0	0	0	0	0
0.6	367.8	0	0	0	0	0	0	0	0	0	0
0.7	367.8	0	0	0	0	0	0	0	0	0	0
0.8	367.8	0	0	0	0	0	0	0	0	0	0
0.9	368.23	0.43	0.84	0.98	1.17	3.66	0.32	3.38	7.84	0.002071	6.40056
1	368.38	0.58	1.11	1.71	1.54	4.08	0.38	3.65	6.25	0.002033	7.4443
1.1	368.45	0.65	1.22	2.21	1.8	4.27	0.42	3.78	5.77	0.002014	8.24801
1.2	368.52	0.72	1.3	2.69	2.08	4.46	0.47	3.9	5.38	0.002002	9.0465
1.3	368.56	0.77	1.26	2.84	2.26	4.57	0.49	3.97	5.19	0.001746	8.36363
1.4	368.62	0.82	1.26	3.12	2.47	4.71	0.52	4.06	4.97	0.00218	11.08775
1.5	368.68	0.88	1.26	3.4	2.71	6.41	0.42	4.08	4.65	0.001908	7.82532
1.6	368.76	0.96	1.35	4.14	3.07	6.41	0.48	4.08	4.24	0.001772	8.21892
1.7	368.84	1.04	1.36	4.63	3.4	6.41	0.53	4.08	3.93	0.001207	6.20577
1.8	368.91	1.11	1.32	4.89	3.71	6.41	0.58	4.08	3.67	0.000941	5.28102
1.9	368.97	1.17	1.24	4.93	3.96	6.41	0.62	4.08	3.49	0.000599	3.59256
2	369.01	1.21	1.15	4.76	4.14	6.41	0.65	4.08	3.36	0.000725	4.54489
2.1	369.02	1.22	1.11	4.62	4.17	6.41	0.65	4.08	3.35	0.000476	3.00228
2.2	369.01	1.21	1.07	4.42	4.14	6.41	0.65	4.08	3.37	0.000452	2.83245
2.3	368.99	1.19	1	4.09	4.07	6.41	0.63	4.08	3.42	0.000522	3.21265
2.4	368.96	1.16	0.97	3.81	3.91	6.41	0.61	4.08	3.53	0.000553	3.27772
2.5	368.91	1.12	0.93	3.47	3.74	6.41	0.58	4.08	3.66	0.000568	3.2185

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17047

MASSIMA PORTATA 5.31 AT TIME 1.9
MASSIMA QUOTA PELO LIBERO 369.02 AT TIME 1.96

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.77	0	0	0	0	0	0	0	0	0	0
0.1	367.77	0	0	0	0	0	0	0	0	0	0
0.2	367.77	0	0	0	0	0	0	0	0	0	0
0.3	367.77	0	0	0	0	0	0	0	0	0	0
0.4	367.77	0	0	0	0	0	0	0	0	0	0
0.5	367.77	0	0	0	0	0	0	0	0	0	0
0.6	367.77	0	0	0	0	0	0	0	0	0	0
0.7	367.77	0	0	0	0	0	0	0	0	0	0
0.8	367.77	0	0	0	0	0	0	0	0	0	0
0.9	368.17	0.4	1.01	0.95	0.94	3.54	0.26	3.3	8.29	0.005764	14.78183
1	368.32	0.56	1.38	1.7	1.23	3.97	0.31	3.57	6.42	0.006728	20.1827
1.1	368.4	0.63	1.43	2.2	1.54	4.17	0.37	3.7	5.88	0.005988	21.4673
1.2	368.47	0.71	1.44	2.69	1.87	4.37	0.43	3.83	5.43	0.004493	18.62995
1.3	368.52	0.76	1.34	2.83	2.11	4.51	0.47	3.92	5.19	0.004266	19.38453
1.4	368.58	0.81	1.33	3.11	2.35	4.66	0.5	4.02	4.95	0.003683	17.99943
1.5	368.64	0.87	1.32	3.39	2.58	6.51	0.4	4.1	4.73	0.003382	12.9711
1.6	368.72	0.96	1.41	4.14	2.93	6.51	0.45	4.1	4.29	0.003173	13.86396
1.7	368.81	1.04	1.42	4.68	3.3	6.51	0.51	4.1	3.94	0.002234	10.9669
1.8	368.89	1.12	1.37	5	3.64	6.51	0.56	4.1	3.66	0.001766	9.56832
1.9	368.95	1.19	1.29	5.06	3.91	6.51	0.6	4.1	3.46	0.001358	7.90749
2	369	1.23	1.19	4.88	4.1	6.51	0.63	4.1	3.33	0.001212	7.39396
2.1	369.01	1.24	1.16	4.77	4.12	6.51	0.63	4.1	3.31	0.001014	6.22371
2.2	369	1.23	1.11	4.57	4.1	6.51	0.63	4.1	3.33	0.001031	6.29242

2.3	368.98	1.21	1.05	4.23	4.03	6.51	0.62	4.1	3.38	0.000906	5.43049
2.4	368.94	1.18	1.02	3.96	3.88	6.51	0.6	4.1	3.48	0.000929	5.37374
2.5	368.9	1.13	0.97	3.61	3.71	6.51	0.57	4.1	3.62	0.001097	6.06488

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17130

MASSIMA PORTATA 5.53 AT TIME 1.88
MASSIMA QUOTA PELO LIBERO 369.02 AT TIME 1.96

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.75	0	0	0	0	0	0	0	0	0	0
0.1	367.75	0	0	0	0	0	0	0	0	0	0
0.2	367.75	0	0	0	0	0	0	0	0	0	0
0.3	367.75	0	0	0	0	0	0	0	0	0	0
0.4	367.75	0	0	0	0	0	0	0	0	0	0
0.5	367.75	0	0	0	0	0	0	0	0	0	0
0.6	367.75	0	0	0	0	0	0	0	0	0	0
0.7	367.75	0	0	0	0	0	0	0	0	0	0
0.8	367.75	0	0	0	0	0	0	0	0	0	0
0.9	368.04	0.3	1.26	0.93	0.74	3.11	0.24	2.96	10.02	0.015129	34.78548
1	368.16	0.41	1.27	1.69	1.33	3.42	0.39	3.16	7.64	0.008467	31.85716
1.1	368.27	0.52	1.16	2.19	1.89	3.71	0.51	3.35	6.39	0.006952	34.26005
1.2	368.38	0.63	1.16	2.68	2.3	4	0.57	3.53	5.58	0.004748	26.45413
1.3	368.46	0.71	1.08	2.83	2.63	4.21	0.62	3.67	5.14	0.004505	27.27766
1.4	368.53	0.78	1.07	3.11	2.9	4.39	0.66	3.78	4.84	0.00352	22.52715
1.5	368.59	0.84	1.08	3.38	3.13	4.54	0.69	3.88	4.62	0.003681	24.56964
1.6	368.68	0.93	1.21	4.2	3.48	6.41	0.54	3.95	4.24	0.003692	19.41422
1.7	368.77	1.03	1.25	4.81	3.86	6.41	0.6	3.95	3.84	0.002651	15.47186
1.8	368.86	1.12	1.23	5.18	4.22	6.41	0.66	3.95	3.54	0.002204	14.05215
1.9	368.93	1.19	1.17	5.26	4.5	6.41	0.7	3.95	3.32	0.001878	12.77775
2	368.98	1.23	1.08	5.07	4.68	6.41	0.73	3.95	3.2	0.001021	7.23358
2.1	368.99	1.24	1.06	4.98	4.71	6.41	0.73	3.95	3.18	0.001435	10.21385
2.2	368.98	1.24	1.02	4.78	4.69	6.41	0.73	3.95	3.19	0.00138	9.78408
2.3	368.97	1.22	0.96	4.42	4.61	6.41	0.72	3.95	3.24	0.001319	9.20611
2.4	368.93	1.18	0.93	4.16	4.48	6.41	0.7	3.95	3.34	0.001215	8.22264
2.5	368.89	1.14	0.88	3.81	4.31	6.41	0.67	3.95	3.46	0.0013	8.46701

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17212

MASSIMA PORTATA 5.74 AT TIME 1.9
MASSIMA QUOTA PELO LIBERO 369.02 AT TIME 1.96

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.42	0	0	0	0	0	0	0	0	0	0
0.1	367.42	0	0	0	0	0	0	0	0	0	0
0.2	367.42	0	0	0	0	0	0	0	0	0	0
0.3	367.42	0	0	0	0	0	0	0	0	0	0
0.4	367.42	0	0	0	0	0	0	0	0	0	0
0.5	367.42	0	0	0	0	0	0	0	0	0	0
0.6	367.42	0	0	0	0	0	0	0	0	0	0
0.7	367.42	0	0	0	0	0	0	0	0	0	0
0.8	367.42	0	0	0	0	0	0	0	0	0	0
0.9	367.69	0.28	0.89	0.9	1.01	3.06	0.33	2.93	10.61	0.010806	34.71234
1	368.05	0.64	0.7	1.66	2.38	4.01	0.59	3.53	5.56	0.002685	15.43207
1.1	368.25	0.83	0.7	2.19	3.13	4.52	0.69	3.86	4.66	0.001927	12.96472
1.2	368.36	0.94	0.74	2.67	3.58	6.41	0.56	3.95	4.18	0.001407	7.62282
1.3	368.46	1.04	0.72	2.82	3.95	6.41	0.62	3.95	3.8	0.001171	6.99415
1.4	368.53	1.11	0.73	3.1	4.23	6.41	0.66	3.95	3.55	0.001008	6.45325
1.5	368.59	1.17	0.76	3.39	4.47	6.41	0.7	3.95	3.37	0.001397	9.44457
1.6	368.67	1.26	0.88	4.26	4.81	6.41	0.75	3.95	3.14	0.001713	12.46561
1.7	368.77	1.35	0.95	4.93	5.2	6.41	0.81	3.95	2.91	0.001286	10.10855
1.8	368.86	1.45	0.96	5.35	5.55	6.41	0.87	3.95	2.73	0.001168	9.80624
1.9	368.94	1.52	0.93	5.44	5.83	6.41	0.91	3.95	2.6	0.00105	9.26007
2	368.98	1.56	0.87	5.23	6.02	6.41	0.94	3.95	2.52	0.000236	2.15155
2.1	368.99	1.57	0.86	5.18	6.04	6.41	0.94	3.95	2.51	0.000763	6.9696
2.2	368.98	1.56	0.83	4.99	6.02	6.41	0.94	3.95	2.52	0.000704	6.40175
2.3	368.96	1.55	0.78	4.63	5.94	6.41	0.93	3.95	2.55	0.000772	6.94165
2.4	368.93	1.51	0.75	4.36	5.8	6.41	0.91	3.95	2.61	0.000696	6.11453
2.5	368.89	1.47	0.71	4.01	5.63	6.41	0.88	3.95	2.69	0.000568	4.8387

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17294

MASSIMA	PORTATA	5.88	AT TIME	1.9							
MASSIMA	QUOTA PELO LIBERO	369.02	AT TIME	1.96							
TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.08	0	0	0	0	0	0	0	0	0	0
0.1	367.08	0	0	0	0	0	0	0	0	0	0
0.2	367.08	0	0	0	0	0	0	0	0	0	0
0.3	367.08	0	0	0	0	0	0	0	0	0	0
0.4	367.08	0	0	0	0	0	0	0	0	0	0
0.5	367.08	0	0	0	0	0	0	0	0	0	0
0.6	367.08	0	0	0	0	0	0	0	0	0	0
0.7	367.08	0	0	0	0	0	0	0	0	0	0
0.8	367.08	0	0	0	0	0	0	0	0	0	0
0.9	367.54	0.46	0.48	0.82	1.71	3.54	0.48	3.24	7.06	0.000325	1.51788
1	368.07	1	0.42	1.58	3.74	6.41	0.58	3.95	3.96	0	0
1.1	368.26	1.18	0.47	2.13	4.49	6.41	0.7	3.95	3.34	0	0
1.2	368.37	1.3	0.53	2.63	4.94	6.41	0.77	3.95	3.04	0.000111	0.83044
1.3	368.46	1.39	0.53	2.8	5.3	6.41	0.83	3.95	2.85	0.000106	0.84566
1.4	368.54	1.46	0.55	3.08	5.58	6.41	0.87	3.95	2.7	0.000188	1.58455
1.5	368.6	1.52	0.58	3.37	5.82	6.41	0.91	3.95	2.6	0.000226	1.98532
1.6	368.68	1.61	0.69	4.26	6.16	6.41	0.96	3.95	2.46	0.000423	3.9379
1.7	368.78	1.7	0.76	5.01	6.54	6.41	1.02	3.95	2.32	0.00043	4.25271
1.8	368.87	1.79	0.79	5.47	6.9	6.41	1.08	3.95	2.2	0.000455	4.74681
1.9	368.94	1.86	0.78	5.59	7.17	6.41	1.12	3.95	2.12	0.000411	4.45477
2	368.99	1.91	0.73	5.36	7.35	6.41	1.15	3.95	2.07	0.00024	2.67287
2.1	368.99	1.91	0.73	5.37	7.37	6.41	1.15	3.95	2.06	0.000232	2.59019
2.2	368.99	1.91	0.7	5.17	7.35	6.41	1.15	3.95	2.07	0.000317	3.52293
2.3	368.97	1.89	0.66	4.81	7.27	6.41	1.14	3.95	2.09	0.000302	3.32379
2.4	368.93	1.86	0.64	4.55	7.14	6.41	1.11	3.95	2.13	0.000269	2.90095
2.5	368.89	1.81	0.6	4.2	6.96	6.41	1.09	3.95	2.18	0.000232	2.44181

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.75	0	0	0	0	0	0	0	0	0	0
0.1	366.75	0	0	0	0	0	0	0	0	0	0
0.2	366.75	0	0	0	0	0	0	0	0	0	0
0.3	366.75	0	0	0	0	0	0	0	0	0	0
0.4	366.75	0	0	0	0	0	0	0	0	0	0
0.5	366.75	0	0	0	0	0	0	0	0	0	0
0.6	366.75	0	0	0	0	0	0	0	0	0	0
0.7	366.75	0	0	0	0	0	0	0	0	0	0
0.8	366.75	0	0	0	0	0	0	0	0	0	0
0.9	367.44	0.69	0.05	0.37	7.68	4.59	1.67	3.99	5.79	0.000395	6.40914
1	368.08	1.33	0.24	1.31	5.4	7.09	0.76	4.4	3.29	0	0
1.1	368.27	1.52	0.31	1.93	6.23	7.09	0.88	4.4	2.9	0	0
1.2	368.38	1.63	0.37	2.47	6.76	7.09	0.95	4.4	2.69	0.000119	1.10268
1.3	368.47	1.72	0.38	2.72	7.17	7.09	1.01	4.4	2.55	0	0
1.4	368.54	1.79	0.4	3.03	7.5	7.09	1.06	4.4	2.45	0	0
1.5	368.6	1.85	0.43	3.33	7.78	7.09	1.1	4.4	2.37	0	0
1.6	368.69	1.94	0.52	4.26	8.19	7.09	1.16	4.4	2.26	0.000235	2.63259
1.7	368.79	2.04	0.59	5.13	8.64	7.09	1.22	4.4	2.16	0.000153	1.81147
1.8	368.88	2.13	0.63	5.69	9.05	7.09	1.28	4.4	2.07	0.00014	1.7368
1.9	368.95	2.2	0.63	5.87	9.38	7.09	1.32	4.4	2	0.000168	2.1495
2	368.99	2.24	0.59	5.64	9.58	7.09	1.35	4.4	1.96	0.000331	4.33792
2.1	368.99	2.25	0.6	5.74	9.6	7.09	1.35	4.4	1.96	0	0
2.2	368.99	2.24	0.58	5.55	9.57	7.09	1.35	4.4	1.96	0	0
2.3	368.97	2.22	0.55	5.18	9.48	7.09	1.34	4.4	1.98	0.000093	1.20243
2.4	368.94	2.19	0.53	4.93	9.32	7.09	1.32	4.4	2.01	0.000186	2.37031
2.5	368.89	2.14	0.5	4.6	9.12	7.09	1.29	4.4	2.05	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17539

MASSIMA PORTATA 6.47 AT TIME 1.9
MASSIMA QUOTA PELO LIBERO 369.02 AT TIME 1.96

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.75	0	0	0	0	0	0	0	0	0	0
0.1	366.75	0	0	0	0	0	0	0	0	0	0
0.2	366.75	0	0	0	0	0	0	0	0	0	0
0.3	366.75	0	0	0	0	0	0	0	0	0	0
0.4	366.75	0	0	0	0	0	0	0	0	0	0
0.5	366.75	0	0	0	0	0	0	0	0	0	0
0.6	366.75	0	0	0	0	0	0	0	0	0	0
0.7	366.75	0	0	0	0	0	0	0	0	0	0
0.8	366.75	0	0	0	0	0	0	0	0	0	0
0.9	367.44	0.7	-0.05	0.14	2.69	5.03	0.54	4.39	6.32	0.000588	3.05087
1	368.08	1.33	0.19	1.13	5.96	7.7	0.77	4.86	3.65	0	0
1.1	368.27	1.52	0.27	1.81	6.85	7.7	0.89	4.86	3.2	0	0
1.2	368.38	1.63	0.32	2.38	7.43	7.7	0.96	4.86	2.98	0	0
1.3	368.47	1.72	0.34	2.67	7.88	7.7	1.02	4.86	2.83	0	0
1.4	368.54	1.79	0.36	3	8.25	7.7	1.07	4.86	2.71	0	0
1.5	368.6	1.85	0.39	3.31	8.55	7.7	1.11	4.86	2.62	0.000241	2.59106
1.6	368.69	1.94	0.47	4.26	9	7.7	1.17	4.86	2.51	0.000135	1.52533
1.7	368.79	2.04	0.55	5.19	9.5	7.7	1.23	4.86	2.39	0.000216	2.58178
1.8	368.88	2.13	0.58	5.8	9.95	7.7	1.29	4.86	2.28	0	0
1.9	368.95	2.2	0.58	6.01	10.31	7.7	1.34	4.86	2.21	0	0
2	368.99	2.24	0.55	5.79	10.53	7.7	1.37	4.86	2.17	0.00036	4.77155
2.1	369	2.25	0.56	5.94	10.55	7.7	1.37	4.86	2.16	0	0
2.2	368.99	2.24	0.55	5.75	10.52	7.7	1.37	4.86	2.17	0	0
2.3	368.97	2.22	0.52	5.38	10.42	7.7	1.35	4.86	2.19	0	0
2.4	368.94	2.19	0.5	5.14	10.25	7.7	1.33	4.86	2.22	0	0
2.5	368.89	2.14	0.48	4.81	10.02	7.7	1.3	4.86	2.27	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17621

MASSIMA PORTATA 6.59 AT TIME 1.89
MASSIMA QUOTA PELO LIBERO 369.03 AT TIME 1.96

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	366.75	0	0	0	0	0	0	0	0	0	0
0.1	366.75	0	0	0	0	0	0	0	0	0	0
0.2	366.75	0	0	0	0	0	0	0	0	0	0
0.3	366.75	0	0	0	0	0	0	0	0	0	0
0.4	366.75	0	0	0	0	0	0	0	0	0	0
0.5	366.75	0	0	0	0	0	0	0	0	0	0
0.6	366.75	0	0	0	0	0	0	0	0	0	0
0.7	366.75	0	0	0	0	0	0	0	0	0	0
0.8	366.75	0	0	0	0	0	0	0	0	0	0
0.9	367.46	0.71	-0.1	-0.04	0.47	5.39	0.09	4.76	6.68	0.000339	0.28592
1	368.08	1.33	0.15	0.98	6.4	8.26	0.78	5.31	4	0.00025	1.87596
1.1	368.27	1.52	0.23	1.72	7.33	8.26	0.89	5.31	3.5	0.000223	1.91962
1.2	368.38	1.63	0.29	2.3	7.96	8.26	0.96	5.31	3.26	0.00031	2.89002
1.3	368.47	1.72	0.31	2.63	8.44	8.26	1.02	5.31	3.09	0.00011	1.08627
1.4	368.54	1.79	0.34	2.97	8.84	8.26	1.07	5.31	2.96	0.000313	3.24175
1.5	368.6	1.85	0.36	3.29	9.17	8.26	1.11	5.31	2.87	0.000409	4.40211
1.6	368.69	1.94	0.44	4.25	9.65	8.26	1.17	5.31	2.74	0.000553	6.25581
1.7	368.79	2.04	0.51	5.24	10.18	8.26	1.23	5.31	2.61	0.00076	9.07885
1.8	368.88	2.13	0.55	5.88	10.67	8.26	1.29	5.31	2.5	0.00071	8.89409
1.9	368.95	2.2	0.55	6.13	11.06	8.26	1.34	5.31	2.42	0.000639	8.29217
2	368.99	2.24	0.52	5.91	11.3	8.26	1.37	5.31	2.37	0.000745	9.88843
2.1	368.99	2.25	0.54	6.1	11.32	8.26	1.37	5.31	2.37	0.000626	8.31404
2.2	368.99	2.24	0.52	5.92	11.29	8.26	1.37	5.31	2.37	0	0
2.3	368.97	2.22	0.5	5.56	11.18	8.26	1.35	5.31	2.39	0.000575	7.55142
2.4	368.94	2.19	0.48	5.31	11	8.26	1.33	5.31	2.43	0.000454	5.85466
2.5	368.89	2.14	0.46	5	10.75	8.26	1.3	5.31	2.48	0.000324	4.09388

0.5	366.74	0	0	0	0	0	0	0	0	0	0	0
0.6	366.74	0	0	0	0	0	0	0	0	0	0	0
0.7	366.74	0	0	0	0	0	0	0	0	0	0	0
0.8	366.74	0	-0.02	-0.01	0	0	0	0	0	0	0	0
0.9	367.49	0.76	0	0.11	3.51	6.05	0.58	5.45	7.2	0.000865	4.86418	
1	368.05	1.31	0.02	0.14	7.28	9.2	0.79	6.14	4.68	0	0	
1.1	368.23	1.49	0	0	7.93	9.2	0.86	6.14	4.11	0	0	
1.2	368.35	1.61	0	0	8.62	9.2	0.94	6.14	3.82	0	0	
1.3	368.44	1.7	0	0	9.17	9.2	1	6.14	3.62	0	0	
1.4	368.51	1.77	0	0	9.63	9.2	1.05	6.14	3.47	0	0	
1.5	368.57	1.83	0	0	9.99	9.2	1.09	6.14	3.35	0	0	
1.6	368.65	1.92	0	0	10.52	9.2	1.14	6.14	3.2	0	0	
1.7	368.75	2.01	0	0.01	11.12	9.2	1.21	6.14	3.05	0	0	
1.8	368.84	2.1	0	0.03	11.67	9.2	1.27	6.14	2.92	0	0	
1.9	368.91	2.17	0	0.05	12.1	9.2	1.32	6.14	2.82	0	0	
2	368.96	2.23	0	0.05	12.41	9.2	1.35	6.14	2.76	0	0	
2.1	368.96	2.22	0	0.06	12.41	9.2	1.35	6.14	2.76	0	0	
2.2	368.96	2.22	0	0.06	12.39	9.2	1.35	6.14	2.76	0	0	
2.3	368.94	2.2	0	0.05	12.28	9.2	1.34	6.14	2.79	0	0	
2.4	368.91	2.17	0	0.04	12.08	9.2	1.31	6.14	2.83	0	0	
2.5	368.87	2.13	0	0.02	11.81	9.2	1.28	6.14	2.89	0	0	

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17867

MASSIMA PORTATA 21.43 AT TIME 1.98
MASSIMA QUOTA PELO LIBERO 369.01 AT TIME 1.96

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.74	0	0	0	0	0	0	0	0	0	0
0.1	366.74	0	0	0	0	0	0	0	0	0	0
0.2	366.74	0	0	0	0	0	0	0	0	0	0
0.3	366.74	0	0	0	0	0	0	0	0	0	0
0.4	366.74	0	0	0	0	0	0	0	0	0	0
0.5	366.74	0	0	0	0	0	0	0	0	0	0
0.6	366.74	0	0	0	0	0	0	0	0	0	0
0.7	366.74	0	0	0	0	0	0	0	0	0	0
0.8	366.77	0.04	-0.09	-0.05	0.53	2.01	0.26	2.01	57	0	0
0.9	367.5	0.76	0.4	2.05	5.08	7.12	0.71	6.22	8.18	0.001329	9.18385
1	368.05	1.31	0.76	5.49	7.24	10.05	0.72	6.49	4.96	0	0
1.1	368.24	1.5	0.93	7.86	8.44	10.05	0.84	6.49	4.32	0	0
1.2	368.35	1.61	1	9.14	9.15	10.05	0.91	6.49	4.03	0	0
1.3	368.44	1.7	1	9.7	9.73	10.05	0.97	6.49	3.81	0	0
1.4	368.51	1.77	1.03	10.5	10.18	10.05	1.01	6.49	3.66	0	0
1.5	368.57	1.83	1.11	11.74	10.54	10.05	1.05	6.49	3.55	0	0
1.6	368.64	1.9	1.22	13.46	11.02	10.05	1.1	6.49	3.41	0	0
1.7	368.73	1.99	1.33	15.43	11.56	10.05	1.15	6.49	3.26	0	0
1.8	368.82	2.08	1.42	17.12	12.05	10.05	1.2	6.49	3.12	0	0
1.9	368.89	2.15	1.47	18.27	12.46	10.05	1.24	6.49	3.02	0	0
2	368.94	2.2	1.44	18.42	12.78	10.05	1.27	6.49	2.95	0	0
2.1	368.94	2.2	1.48	18.93	12.78	10.05	1.27	6.49	2.95	0	0
2.2	368.94	2.2	1.47	18.71	12.74	10.05	1.27	6.49	2.95	0	0
2.3	368.92	2.18	1.46	18.44	12.66	10.05	1.26	6.49	2.98	0	0
2.4	368.89	2.15	1.42	17.76	12.47	10.05	1.24	6.49	3.02	0	0
2.5	368.84	2.1	1.43	17.45	12.23	10.05	1.22	6.49	3.08	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17949

MASSIMA PORTATA 20.13 AT TIME 2.04
MASSIMA QUOTA PELO LIBERO 369.01 AT TIME 1.98

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.74	0	0	0	0	0	0	0	0	0	0
0.1	366.74	0	0	0	0	0	0	0	0	0	0
0.2	366.74	0	0	0	0	0	0	0	0	0	0
0.3	366.74	0	0	0	0	0	0	0	0	0	0
0.4	366.74	0	0	0	0	0	0	0	0	0	0
0.5	366.74	0	0	0	0	0	0	0	0	0	0
0.6	366.74	0	0	0	0	0	0	0	0	0	0
0.7	366.74	0	0	0	0	0	0	0	0	0	0
0.8	366.83	0.09	-0.13	-0.08	0.65	3.25	0.2	3.24	36.53	0	0
0.9	367.47	0.73	0.43	1.9	4.4	6.45	0.68	5.6	7.67	0.00177	11.71146
1	368.01	1.27	0.85	5.42	6.39	7.58	0.84	5.98	4.72	0.001688	13.78314

1.1	368.21	1.47	1.04	7.83	7.5	10.25	0.73	6	4.07	0.001575	11.16405
1.2	368.33	1.59	1.11	9.05	8.13	10.25	0.79	6	3.77	0.001527	11.72828
1.3	368.43	1.69	1.1	9.58	8.71	10.25	0.85	6	3.55	0.001206	9.92611
1.4	368.5	1.76	1.13	10.33	9.15	10.25	0.89	6	3.4	0.000789	6.82438
1.5	368.56	1.82	1.21	11.52	9.51	10.25	0.93	6	3.3	0.000726	6.52251
1.6	368.64	1.9	1.33	13.16	9.93	10.25	0.97	6	3.16	0.001275	11.96007
1.7	368.72	1.98	1.45	15.02	10.38	10.25	1.01	6	3.03	0.001741	17.08741
1.8	368.79	2.05	1.54	16.6	10.79	10.25	1.05	6	2.92	0.002442	24.90863
1.9	368.85	2.11	1.59	17.68	11.12	10.25	1.08	6	2.84	0.001715	18.03058
2	368.9	2.16	1.56	17.78	11.42	10.25	1.11	6	2.77	0.003093	33.40959
2.1	368.9	2.16	1.6	18.3	11.42	10.25	1.11	6	2.77	0.001661	17.92621
2.2	368.89	2.15	1.59	18.07	11.37	10.25	1.11	6	2.78	0.000469	5.03904
2.3	368.88	2.15	1.58	17.83	11.31	10.25	1.1	6	2.8	0.001571	16.8052
2.4	368.86	2.12	1.54	17.25	11.17	10.25	1.09	6	2.83	0.000248	2.62323
2.5	368.82	2.09	1.54	16.93	10.98	10.25	1.07	6	2.88	0.000525	5.45005

CHANNEL HYDROGRAPH FOR ELEMENT NO: 18031

MASSIMA PORTATA 19.13 AT TIME 2.04
MASSIMA QUOTA PELO LIBERO 368.98 AT TIME 2.1

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.74	0	0	0	0	0	0	0	0	0	0
0.1	366.74	0	0	0	0	0	0	0	0	0	0
0.2	366.74	0	0	0	0	0	0	0	0	0	0
0.3	366.74	0	0	0	0	0	0	0	0	0	0
0.4	366.74	0	0	0	0	0	0	0	0	0	0
0.5	366.74	0	0	0	0	0	0	0	0	0	0
0.6	366.74	0	0	0	0	0	0	0	0	0	0
0.7	366.74	0	0	0	0	0	0	0	0	0	0
0.8	366.85	0.12	-0.16	-0.12	0.75	3.86	0.19	3.79	32.43	0	0
0.9	367.44	0.71	0.42	1.77	4.21	6.09	0.69	5.15	7.29	0.001168	7.81726
1	367.97	1.24	0.9	5.35	5.98	7.18	0.83	5.39	4.36	0.00158	12.75726
1.1	368.18	1.44	1.12	7.82	6.95	7.59	0.92	5.47	3.81	0.001922	17.0761
1.2	368.28	1.54	1.2	8.94	7.47	10.64	0.7	5.49	3.57	0.002172	14.78131
1.3	368.38	1.64	1.17	9.36	8.03	10.64	0.75	5.49	3.34	0.001749	12.79991
1.4	368.46	1.72	1.19	10.04	8.45	10.64	0.79	5.49	3.19	0.00155	11.93626
1.5	368.53	1.79	1.27	11.15	8.8	10.64	0.83	5.49	3.07	0.00163	13.07172
1.6	368.59	1.86	1.39	12.73	9.15	10.64	0.86	5.49	2.96	0.002088	17.40213
1.7	368.67	1.93	1.52	14.51	9.53	10.64	0.9	5.49	2.84	0.001159	10.06994
1.8	368.74	2	1.62	16.05	9.88	10.64	0.93	5.49	2.75	0.002724	24.52701
1.9	368.8	2.06	1.68	17.07	10.18	10.64	0.96	5.49	2.67	0.003341	31.00655
2	368.85	2.11	1.63	17.07	10.46	10.64	0.98	5.49	2.6	0.003024	28.82966
2.1	368.85	2.11	1.69	17.64	10.45	10.64	0.98	5.49	2.6	0.001273	12.1315
2.2	368.84	2.1	1.68	17.45	10.41	10.64	0.98	5.49	2.61	0.006927	65.71665
2.3	368.83	2.09	1.67	17.26	10.36	10.64	0.97	5.49	2.62	0.000748	7.06751
2.4	368.81	2.07	1.63	16.69	10.24	10.64	0.96	5.49	2.65	0.002887	26.9304
2.5	368.77	2.04	1.63	16.44	10.06	10.64	0.95	5.49	2.7	0.002556	23.43443

CHANNEL HYDROGRAPH FOR ELEMENT NO: 18113

MASSIMA PORTATA 18.40 AT TIME 2.07
MASSIMA QUOTA PELO LIBERO 368.96 AT TIME 1.98

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.67	0	0	0	0	0	0	0	0	0	0
0.1	366.67	0	0	0	0	0	0	0	0	0	0
0.2	366.67	0	0	0	0	0	0	0	0	0	0
0.3	366.67	0	0	0	0	0	0	0	0	0	0
0.4	366.67	0	0	0	0	0	0	0	0	0	0
0.5	366.67	0	0	0	0	0	0	0	0	0	0
0.6	366.67	0	0	0	0	0	0	0	0	0	0
0.7	366.67	0	0	0	0	0	0	0	0	0	0
0.8	366.84	0.18	-0.19	-0.16	0.87	4.05	0.21	3.97	22.55	0	0
0.9	367.44	0.77	0.39	1.65	4.28	5.99	0.72	4.88	6.35	0.000731	5.06573
1	367.96	1.29	0.9	5.3	5.92	7.03	0.84	4.95	3.83	0.001142	9.3163
1.1	368.15	1.48	1.15	7.81	6.81	7.42	0.92	4.97	3.35	0.001271	11.30958
1.2	368.25	1.58	1.22	8.92	7.29	7.62	0.96	4.99	3.15	0.001371	12.72336
1.3	368.36	1.69	1.19	9.33	7.83	11.05	0.71	5	2.96	0.001195	8.20683
1.4	368.44	1.77	1.21	9.95	8.24	11.05	0.75	5	2.82	0.001219	8.80331
1.5	368.5	1.84	1.28	10.93	8.57	11.05	0.78	5	2.72	0.001626	12.21167
1.6	368.57	1.9	1.4	12.44	8.88	11.05	0.8	5	2.63	0.001362	10.60536

1.7	368.64	1.97	1.55	14.26	9.23	11.05	0.83	5	2.53	0.000765	6.18507
1.8	368.71	2.04	1.65	15.76	9.55	11.05	0.86	5	2.45	0.002211	18.51087
1.9	368.76	2.09	1.7	16.72	9.83	11.05	0.89	5	2.39	0.002462	21.21752
2	368.82	2.15	1.65	16.64	10.06	11.05	0.91	5	2.33	0.001462	12.8998
2.1	368.82	2.15	1.71	17.22	10.09	11.05	0.91	5	2.33	0.001492	13.19579
2.2	368.81	2.14	1.7	17.11	10.04	11.05	0.91	5	2.34	0.006295	55.39718
2.3	368.8	2.13	1.69	16.9	10	11.05	0.9	5	2.35	0.002001	17.5462
2.4	368.77	2.1	1.66	16.36	9.88	11.05	0.89	5	2.37	0.003405	29.49247
2.5	368.74	2.07	1.66	16.18	9.72	11.05	0.88	5	2.41	0.002521	21.48508

CHANNEL HYDROGRAPH FOR ELEMENT NO: 18195

MASSIMA PORTATA 18.22 AT TIME 2.08
MASSIMA QUOTA PELO LIBERO 368.92 AT TIME 2.06

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.67	0	0	0	0	0	0	0	0	0	0
0.1	366.67	0	0	0	0	0	0	0	0	0	0
0.2	366.67	0	0	0	0	0	0	0	0	0	0
0.3	366.67	0	0	0	0	0	0	0	0	0	0
0.4	366.67	0	0	0	0	0	0	0	0	0	0
0.5	366.67	0	0	0	0	0	0	0	0	0	0
0.6	366.67	0	0	0	0	0	0	0	0	0	0
0.7	366.67	0	0	0	0	0	0	0	0	0	0
0.8	366.86	0.19	-0.21	-0.2	0.98	4.93	0.2	4.81	24.83	0	0
0.9	367.43	0.76	0.35	1.53	4.43	6.06	0.73	4.87	6.4	0.000701	4.96186
1	367.95	1.28	0.88	5.26	5.98	7.1	0.84	4.93	3.86	0.000884	7.22397
1.1	368.13	1.47	1.14	7.79	6.85	7.48	0.92	4.96	3.38	0.001103	9.79462
1.2	368.23	1.56	1.22	8.91	7.32	7.67	0.95	4.97	3.18	0.001141	10.55601
1.3	368.34	1.67	1.18	9.32	7.87	7.89	1	4.98	2.98	0.000987	9.54998
1.4	368.42	1.75	1.2	9.94	8.28	8.05	1.03	4.99	2.85	0.001089	10.85758
1.5	368.49	1.82	1.27	10.93	8.6	8.18	1.05	5	2.75	0.001299	13.23357
1.6	368.55	1.88	1.4	12.4	8.89	11.86	0.75	5	2.66	0.001371	9.95638
1.7	368.61	1.95	1.53	14.15	9.22	11.86	0.78	5	2.57	0.001402	10.56124
1.8	368.68	2.01	1.63	15.54	9.53	11.86	0.8	5	2.49	0.001881	14.64336
1.9	368.73	2.07	1.68	16.42	9.8	11.86	0.83	5	2.42	0.001977	15.82629
2	368.78	2.11	1.64	16.42	10	11.86	0.84	5	2.37	0.001023	8.35253
2.1	368.79	2.12	1.69	17	10.06	11.86	0.85	5	2.36	0.002487	20.43235
2.2	368.78	2.11	1.7	16.97	10	11.86	0.84	5	2.37	0.00052	4.24695
2.3	368.77	2.1	1.68	16.73	9.96	11.86	0.84	5	2.38	0.002473	20.13134
2.4	368.74	2.08	1.65	16.21	9.85	11.86	0.83	5	2.41	0.002629	21.15314
2.5	368.71	2.05	1.65	15.96	9.69	11.86	0.82	5	2.44	0.001892	14.98013

CHANNEL HYDROGRAPH FOR ELEMENT NO: 18277

MASSIMA PORTATA 18.12 AT TIME 1.99
MASSIMA QUOTA PELO LIBERO 368.89 AT TIME 2.04

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.66	0	0	0	0	0	0	0	0	0	0
0.1	366.66	0	0	0	0	0	0	0	0	0	0
0.2	366.66	0	0	0	0	0	0	0	0	0	0
0.3	366.66	0	0	0	0	0	0	0	0	0	0
0.4	366.66	0	0	0	0	0	0	0	0	0	0
0.5	366.66	0	0	0	0	0	0	0	0	0	0
0.6	366.66	0	0	0	0	0	0	0	0	0	0
0.7	366.66	0	0	0	0	0	0	0	0	0	0
0.8	366.88	0.22	-0.29	-0.25	0.87	5.04	0.17	4.81	21.98	0	0
0.9	367.42	0.77	0.32	1.42	4.48	6.14	0.73	4.87	6.37	0.000644	4.55326
1	367.93	1.28	0.87	5.21	5.98	7.16	0.84	4.92	3.86	0.001026	8.30588
1.1	368.12	1.46	1.14	7.78	6.85	7.53	0.91	4.94	3.39	0.001014	8.93829
1.2	368.21	1.56	1.21	8.89	7.34	7.72	0.95	4.95	3.18	0.00107	9.85231
1.3	368.33	1.67	1.17	9.3	7.92	7.95	1	4.97	2.98	0.000937	9.05331
1.4	368.41	1.75	1.19	9.93	8.35	8.11	1.03	4.97	2.84	0.000994	9.91961
1.5	368.47	1.81	1.26	10.92	8.67	8.24	1.05	4.98	2.75	0.001274	13.00198
1.6	368.53	1.87	1.39	12.4	8.94	8.35	1.07	4.99	2.67	0.001477	15.3324
1.7	368.59	1.94	1.53	14.15	9.26	8.48	1.09	4.99	2.58	0.001868	19.78466
1.8	368.65	1.99	1.63	15.53	9.54	12.53	0.76	5	2.51	0.002295	16.93817
1.9	368.7	2.05	1.67	16.4	9.81	12.53	0.78	5	2.44	0.002703	20.51366
2	368.74	2.08	1.64	16.4	9.99	12.53	0.8	5	2.4	0.002053	15.86948
2.1	368.76	2.1	1.68	16.95	10.07	12.53	0.8	5	2.38	0.002569	20.01336
2.2	368.74	2.09	1.7	17.01	10.02	12.53	0.8	5	2.4	0.002042	15.82954

2.3	368.74	2.08	1.68	16.77	9.97	12.53	0.8	5	2.4	0.002773	21.38284
2.4	368.72	2.06	1.65	16.27	9.85	12.53	0.79	5	2.43	0.00208	15.85872
2.5	368.68	2.03	1.65	16	9.7	12.53	0.77	5	2.47	0.002051	15.39748

CHANNEL HYDROGRAPH FOR ELEMENT NO: 18359

MASSIMA PORTATA 17.88 AT TIME 2.08
MASSIMA QUOTA PELO LIBERO 368.81 AT TIME 2.1

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.66	0	0	0	0	0	0	0	0	0	0
0.1	366.66	0	0	0	0	0	0	0	0	0	0
0.2	366.66	0	0	0	0	0	0	0	0	0	0
0.3	366.66	0	0	0	0	0	0	0	0	0	0
0.4	366.66	0	0	0	0	0	0	0	0	0	0
0.5	366.66	0	0	0	0	0	0	0	0	0	0
0.6	366.66	0	0	0	0	0	0	0	0	0	0
0.7	366.66	0	0	0	0	0	0	0	0	0	0
0.8	366.9	0.25	-0.36	-0.29	0.82	4.25	0.19	4.12	16.81	0	0
0.9	367.42	0.76	0.29	1.3	4.45	6.2	0.72	5.24	6.89	0.000619	4.31354
1	367.92	1.26	0.87	5.16	5.91	7.21	0.82	5.27	4.17	0.00099	7.86959
1.1	368.1	1.44	1.14	7.77	6.81	7.56	0.9	5.28	3.66	0.001185	10.35135
1.2	368.2	1.54	1.21	8.88	7.34	7.76	0.95	5.28	3.43	0.001063	9.75043
1.3	368.31	1.66	1.16	9.29	7.99	7.99	1	5.29	3.19	0.001187	11.50982
1.4	368.4	1.74	1.17	9.91	8.44	8.16	1.04	5.29	3.05	0.00123	12.33592
1.5	368.46	1.8	1.24	10.91	8.78	8.28	1.06	5.3	2.94	0.001479	15.21111
1.6	368.51	1.85	1.37	12.39	9.04	12.08	0.75	5.3	2.86	0.001921	13.9433
1.7	368.57	1.91	1.51	14.12	9.36	12.08	0.77	5.3	2.77	0.002424	18.19505
1.8	368.62	1.96	1.6	15.41	9.63	12.08	0.8	5.3	2.7	0.00277	21.39684
1.9	368.67	2.01	1.63	16.16	9.91	12.08	0.82	5.3	2.63	0.00271	21.5607
2	368.7	2.05	1.6	16.11	10.1	12.08	0.84	5.3	2.59	0.002661	21.5575
2.1	368.72	2.06	1.64	16.71	10.19	12.08	0.84	5.3	2.57	0.002858	23.35662
2.2	368.71	2.05	1.65	16.74	10.15	12.08	0.84	5.3	2.58	0	0
2.3	368.7	2.04	1.63	16.47	10.08	12.08	0.83	5.3	2.6	0.002713	21.94749
2.4	368.68	2.02	1.61	16.06	9.96	12.08	0.82	5.3	2.63	0.001941	15.50869
2.5	368.65	1.99	1.62	15.85	9.8	12.08	0.81	5.3	2.66	0.002494	19.61164

CHANNEL HYDROGRAPH FOR ELEMENT NO: 18441

MASSIMA PORTATA 17.50 AT TIME 2.08
MASSIMA QUOTA PELO LIBERO 368.8 AT TIME 2.06

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.65	0	0	0	0	0	0	0	0	0	0
0.1	366.65	0	0	0	0	0	0	0	0	0	0
0.2	366.65	0	0	0	0	0	0	0	0	0	0
0.3	366.65	0	0	0	0	0	0	0	0	0	0
0.4	366.65	0	0	0	0	0	0	0	0	0	0
0.5	366.65	0	0	0	0	0	0	0	0	0	0
0.6	366.65	0	0	0	0	0	0	0	0	0	0
0.7	366.65	0	0	0	0	0	0	0	0	0	0
0.8	366.93	0.28	-0.37	-0.34	0.91	4	0.23	3.81	13.64	0	0
0.9	367.41	0.77	0.26	1.15	4.46	6.29	0.71	5.55	7.25	0.000657	4.51549
1	367.91	1.26	0.87	5.1	5.88	7.28	0.81	5.63	4.47	0.000989	7.74094
1.1	368.08	1.43	1.14	7.75	6.81	7.63	0.89	5.66	3.95	0.001349	11.67092
1.2	368.18	1.53	1.2	8.86	7.37	7.83	0.94	5.67	3.71	0.001464	13.36396
1.3	368.3	1.65	1.14	9.22	8.09	8.07	1	5.69	3.45	0.001434	13.93596
1.4	368.38	1.73	1.11	9.54	8.58	11.49	0.75	5.7	3.29	0.001461	10.57277
1.5	368.44	1.79	1.18	10.54	8.94	11.49	0.78	5.7	3.18	0.001266	9.54848
1.6	368.49	1.84	1.31	12.01	9.2	11.49	0.8	5.7	3.1	0.001895	14.70371
1.7	368.54	1.89	1.44	13.7	9.51	11.49	0.83	5.7	3.01	0.002248	18.03197
1.8	368.59	1.94	1.53	15	9.79	11.49	0.85	5.7	2.94	0.001139	9.4041
1.9	368.64	1.99	1.56	15.76	10.08	11.49	0.88	5.7	2.86	0.001562	13.28765
2	368.67	2.02	1.54	15.76	10.26	11.49	0.89	5.7	2.81	0.002208	19.11695
2.1	368.69	2.04	1.58	16.39	10.37	11.49	0.9	5.7	2.79	0.002907	25.41696
2.2	368.68	2.04	1.6	16.5	10.34	11.49	0.9	5.7	2.8	0	0
2.3	368.67	2.02	1.58	16.27	10.27	11.49	0.89	5.7	2.81	0.001976	17.11115
2.4	368.65	2	1.57	15.92	10.13	11.49	0.88	5.7	2.85	0.001738	14.86263
2.5	368.62	1.97	1.58	15.71	9.96	11.49	0.87	5.7	2.89	0.002201	18.50234

CHANNEL HYDROGRAPH FOR ELEMENT NO: 18522

MASSIMA	PORTATA	17.48	AT TIME	2.25							
MASSIMA	QUOTA PELO LIBERO	368.76	AT TIME	2.03							
TEMPO	QUOTA PELO	PROFONDITA'	VELOCITA'	PORTATA	AREA	CONTORNO	RAGGIO	LARGHEZZA	RAPPORTO	PENDENZA	TENSIONE
(h)	LIBERO	THALWEG			BAGNATA	BAGNATO	IDRAULICO	PELO LIBERO	LARGHEZZA /	LINEA DEI	TANGENZIALE
	(m)	(m)	(m/s)	(mc/s)	(mq)		(m)		PROFONDITA'	CARCHI	AL FONDO
										TOTALI	
0	366.65	0	0	0	0	0	0	0	0	0	0
0.1	366.65	0	0	0	0	0	0	0	0	0	0
0.2	366.65	0	0	0	0	0	0	0	0	0	0
0.3	366.65	0	0	0	0	0	0	0	0	0	0
0.4	366.65	0	0	0	0	0	0	0	0	0	0
0.5	366.65	0	0	0	0	0	0	0	0	0	0
0.6	366.65	0	0	0	0	0	0	0	0	0	0
0.7	366.65	0	-0.05	-0.01	0	0	0	0	0	0	0
0.8	366.95	0.3	-0.35	-0.38	1.1	4.11	0.27	3.83	12.7	0	0
0.9	367.41	0.76	0.21	1.01	4.73	6.02	0.79	5.25	6.92	0.000597	4.54634
1	367.89	1.24	0.83	5.04	6.07	7.5	0.81	5.98	4.81	0.00116	9.10755
1.1	368.06	1.41	1.1	7.74	7.02	7.84	0.9	5.99	4.24	0.00149	12.9475
1.2	368.15	1.51	1.15	8.73	7.62	8.03	0.95	6	3.98	0.001433	13.19066
1.3	368.28	1.63	1.06	8.95	8.42	11.05	0.76	6	3.67	0.001279	9.44173
1.4	368.37	1.72	1.04	9.28	8.95	11.05	0.81	6	3.49	0.001101	8.64595
1.5	368.43	1.78	1.11	10.35	9.33	11.05	0.84	6	3.37	0.001076	8.80439
1.6	368.47	1.82	1.23	11.83	9.6	11.05	0.87	6	3.29	0.001244	10.4718
1.7	368.52	1.88	1.36	13.49	9.92	11.05	0.9	6	3.2	0.001412	12.28535
1.8	368.57	1.92	1.45	14.81	10.22	11.05	0.92	6	3.12	0.001406	12.59663
1.9	368.62	1.97	1.49	15.63	10.49	11.05	0.95	6	3.04	0.000865	7.95749
2	368.65	2	1.47	15.69	10.67	11.05	0.97	6	3	0.001438	13.44867
2.1	368.67	2.02	1.52	16.33	10.78	11.05	0.98	6	2.97	0.001879	17.76024
2.2	368.66	2.01	1.53	16.51	10.75	11.05	0.97	6	2.98	0.001378	12.99233
2.3	368.65	2	1.53	16.29	10.68	11.05	0.97	6	3	0.001431	13.40364
2.4	368.63	1.98	1.52	15.98	10.54	11.05	0.95	6	3.03	0.001325	12.25262
2.5	368.6	1.95	1.52	15.78	10.36	11.05	0.94	6	3.08	0.001629	14.80111

CHANNEL HYDROGRAPH FOR ELEMENT NO: 18604

MASSIMA	PORTATA	17.37	AT TIME	2.25									
MASSIMA	QUOTA PELO LIBERO	368.75	AT TIME	2.06									
TEMPO	QUOTA PELO LIBERO	PROFONDITA' THALWEG	VELOCITA'	PORTATA	AREA BAGNATA	CONTORNO BAGNATO	RAGGIO IDRAULICO	LARGHEZZA PELO LIBERO	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO		
(s)	(m)	(m)	(m/s)	(mc/s)	(mq)	(m)	(m)	(m)			(Pa)		
0	366.64	0	0	0	0	0	0	0	0	0	0		
0.1	366.64	0	0	0	0	0	0	0	0	0	0		
0.2	366.64	0	0	0	0	0	0	0	0	0	0		
0.3	366.64	0	0	0	0	0	0	0	0	0	0		
0.4	366.64	0	0	0	0	0	0	0	0	0	0		
0.5	366.64	0	0	0	0	0	0	0	0	0	0		
0.6	366.64	0	0	0	0	0	0	0	0	0	0		
0.7	366.66	0.02	-0.07	-0.02	0.03	0.87	0	0.87	0	0	0		
0.8	366.96	0.33	-0.32	-0.42	1.33	4.92	0.27	4.72	14.47	0	0		
0.9	367.4	0.76	0.18	0.9	5.1	6.05	0.84	5.42	7.09	0.000423	3.45405		
1	367.88	1.24	0.79	4.97	6.27	7.27	0.86	6.19	4.98	0.001053	8.80307		
1.1	368.04	1.41	1.04	7.52	7.21	10.2	0.71	6.35	4.51	0.001108	7.5883		
1.2	368.14	1.51	1.07	8.36	7.85	10.2	0.77	6.35	4.22	0.000791	5.89656		
1.3	368.28	1.64	0.97	8.45	8.69	10.2	0.85	6.35	3.88	0.000771	6.36614		
1.4	368.36	1.72	0.96	8.83	9.24	10.2	0.91	6.35	3.68	0.000604	5.30931		
1.5	368.42	1.79	1.03	9.91	9.63	10.2	0.94	6.35	3.55	0.000726	6.64345		
1.6	368.47	1.83	1.15	11.4	9.9	10.2	0.97	6.35	3.47	0.000712	6.69609		
1.7	368.52	1.88	1.28	13.06	10.23	10.2	1	6.35	3.37	0.000761	7.39348		
1.8	368.57	1.93	1.37	14.43	10.52	10.2	1.03	6.35	3.29	0.002323	23.22766		
1.9	368.61	1.97	1.42	15.34	10.79	10.2	1.06	6.35	3.22	0.000892	9.14707		
2	368.64	2	1.42	15.5	10.94	10.2	1.07	6.35	3.18	0.000773	8.04244		
2.1	368.65	2.02	1.46	16.14	11.05	10.2	1.08	6.35	3.15	0.001322	13.8726		
2.2	368.65	2.01	1.48	16.38	11.04	10.2	1.08	6.35	3.15	0.000925	9.70491		
2.3	368.64	2	1.48	16.2	10.96	10.2	1.07	6.35	3.17	0.000827	8.61524		
2.4	368.62	1.98	1.47	15.91	10.83	10.2	1.06	6.35	3.21	0.000604	6.21716		
2.5	368.59	1.95	1.48	15.72	10.65	10.2	1.04	6.35	3.25	0.000884	8.94603		

CHANNEL HYDROGRAPH FOR ELEMENT NO: 18686

MASSIMA	PORTATA	17.16	AT TIME	2.25
MASSIMA	QUOTA PELO LIBERO	368.67	AT TIME	2.06

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.61	0	0	0	0	0	0	0	0	0	0
0.1	366.61	0	0	0	0	0	0	0	0	0	0
0.2	366.61	0	0	0	0	0	0	0	0	0	0
0.3	366.61	0	0	0	0	0	0	0	0	0	0
0.4	366.61	0	0	0	0	0	0	0	0	0	0
0.5	366.61	0	0	0	0	0	0	0	0	0	0
0.6	366.61	0	0	0	0	0	0	0	0	0	0
0.7	366.65	0.04	-0.1	-0.05	0.44	1.71	0.26	1.7	39.17	0	0
0.8	366.98	0.37	-0.31	-0.48	1.56	4.92	0.32	4.68	12.68	0	0
0.9	367.4	0.79	0.14	0.76	5.5	6.01	0.92	5.36	6.75	0.000325	2.88575
1	367.87	1.27	0.76	4.89	6.39	7.22	0.89	6.11	4.83	0.00097	8.32908
1.1	368.03	1.43	0.99	7.25	7.3	10.13	0.72	6.25	4.38	0.00079	5.51318
1.2	368.14	1.53	1	7.95	7.97	10.13	0.79	6.25	4.08	0.000526	4.00708
1.3	368.27	1.67	0.89	7.83	8.84	10.13	0.87	6.25	3.75	0.000559	4.72283
1.4	368.36	1.75	0.88	8.25	9.39	10.13	0.93	6.25	3.56	0.000377	3.38974
1.5	368.42	1.81	0.96	9.34	9.77	10.13	0.96	6.25	3.44	0.000506	4.72408
1.6	368.47	1.86	1.08	10.84	10.03	10.13	0.99	6.25	3.36	0.000468	4.49334
1.7	368.52	1.91	1.21	12.5	10.36	10.13	1.02	6.25	3.27	0.000543	5.37699
1.8	368.56	1.96	1.31	13.93	10.65	10.13	1.05	6.25	3.19	0.00036	3.66599
1.9	368.61	2	1.37	14.94	10.91	10.13	1.08	6.25	3.13	0.001178	12.29176
2	368.63	2.02	1.38	15.25	11.03	10.13	1.09	6.25	3.09	0.000922	9.72882
2.1	368.64	2.04	1.43	15.96	11.12	10.13	1.1	6.25	3.07	0.001052	11.19398
2.2	368.64	2.03	1.46	16.22	11.12	10.13	1.1	6.25	3.07	0.000987	10.49998
2.3	368.63	2.02	1.45	16.07	11.04	10.13	1.09	6.25	3.09	0.000801	8.46124
2.4	368.61	2	1.45	15.81	10.91	10.13	1.08	6.25	3.12	0.00063	6.57787
2.5	368.58	1.97	1.46	15.63	10.74	10.13	1.06	6.25	3.16	0.000628	6.45515

CHANNEL HYDROGRAPH FOR ELEMENT NO: 18767

MASSIMA PORTATA 16.94 AT TIME 2.25
MASSIMA QUOTA PELO LIBERO 368.65 AT TIME 2.07

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.58	0	0	0	0	0	0	0	0	0	0
0.1	366.58	0	0	0	0	0	0	0	0	0	0
0.2	366.58	0	0	0	0	0	0	0	0	0	0
0.3	366.58	0	0	0	0	0	0	0	0	0	0
0.4	366.58	0	0	0	0	0	0	0	0	0	0
0.5	366.58	0	0	0	0	0	0	0	0	0	0
0.6	366.58	0	0	0	0	0	0	0	0	0	0
0.7	366.65	0.07	-0.16	-0.08	0.54	3.33	0.16	3.32	46.51	0	0
0.8	366.99	0.41	-0.29	-0.54	1.82	5.11	0.36	4.79	11.65	0	0
0.9	367.4	0.82	0.1	0.6	6.18	6.15	1	5.43	6.6	0.000262	2.55118
1	367.86	1.29	0.73	4.8	6.56	7.32	0.9	6.14	4.78	0.000939	8.149
1.1	368.02	1.44	0.93	6.93	7.45	10.23	0.73	6.26	4.34	0.00072	5.0812
1.2	368.13	1.55	0.92	7.53	8.14	10.23	0.8	6.26	4.03	0.000386	2.97699
1.3	368.27	1.7	0.8	7.2	9.04	10.23	0.88	6.26	3.69	0.000352	3.0127
1.4	368.36	1.78	0.8	7.67	9.59	10.23	0.94	6.26	3.51	0.000341	3.10167
1.5	368.42	1.84	0.88	8.77	9.96	10.23	0.97	6.26	3.4	0.00034	3.20602
1.6	368.46	1.88	1.01	10.27	10.22	10.23	1	6.26	3.32	0.00036	3.48904
1.7	368.52	1.94	1.13	11.9	10.55	10.23	1.03	6.26	3.23	0.000415	4.14497
1.8	368.56	1.98	1.24	13.38	10.83	10.23	1.06	6.26	3.15	0	0
1.9	368.6	2.02	1.31	14.5	11.07	10.23	1.08	6.26	3.09	0.000969	10.15345
2	368.62	2.04	1.34	14.97	11.17	10.23	1.09	6.26	3.06	0.001243	13.15351
2.1	368.63	2.06	1.4	15.75	11.25	10.23	1.1	6.26	3.04	0.000828	8.83084
2.2	368.63	2.05	1.43	16.05	11.25	10.23	1.1	6.26	3.05	0.001017	10.83925
2.3	368.62	2.04	1.43	15.94	11.17	10.23	1.09	6.26	3.06	0.000844	8.93739
2.4	368.6	2.02	1.42	15.72	11.04	10.23	1.08	6.26	3.1	0.000631	6.59672
2.5	368.57	1.99	1.43	15.54	10.87	10.23	1.06	6.26	3.14	0.000591	6.08588

CHANNEL HYDROGRAPH FOR ELEMENT NO: 18848

MASSIMA PORTATA 16.76 AT TIME 2.25
MASSIMA QUOTA PELO LIBERO 368.64 AT TIME 2.08

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

[illegible]

0.5	366.46	0	0	0	0	0	0	0	0	0	0
0.6	366.46	0	0	0	0	0	0	0	0	0	0
0.7	366.67	0.22	-0.26	-0.24	0.9	4.58	0.2	4.42	20.45	0	0
0.8	367.02	0.56	-0.29	-0.71	2.42	5.43	0.45	4.91	8.71	0	0
0.9	367.4	0.94	0.01	0.2	4.27	6.35	0.67	5.44	5.78	0.000855	5.56837
1	367.84	1.38	0.61	4.18	6.86	7.43	0.92	6.05	4.38	0.000476	4.25693
1.1	368	1.54	0.72	5.59	7.78	10.32	0.75	6.09	3.96	0.000313	2.28951
1.2	368.12	1.66	0.7	5.99	8.52	10.32	0.83	6.09	3.67	0.000327	2.61447
1.3	368.27	1.81	0.56	5.34	9.45	10.32	0.92	6.09	3.36	0.00022	1.94955
1.4	368.36	1.9	0.61	6.07	9.98	10.32	0.97	6.09	3.21	0.000589	5.51771
1.5	368.42	1.96	0.7	7.23	10.33	10.32	1	6.09	3.11	0.000758	7.35438
1.6	368.46	2	0.82	8.72	10.58	10.32	1.03	6.09	3.05	0.000412	4.09728
1.7	368.51	2.05	0.94	10.28	10.91	10.32	1.06	6.09	2.97	0.000476	4.88097
1.8	368.55	2.1	1.06	11.88	11.17	10.32	1.08	6.09	2.91	0.000544	5.70742
1.9	368.59	2.13	1.17	13.33	11.38	10.32	1.1	6.09	2.86	0.000571	6.09714
2	368.6	2.14	1.25	14.3	11.43	10.32	1.11	6.09	2.85	0.000522	5.60366
2.1	368.61	2.15	1.33	15.29	11.49	10.32	1.11	6.09	2.83	0.000617	6.65572
2.2	368.61	2.15	1.37	15.72	11.47	10.32	1.11	6.09	2.84	0.000687	7.3988
2.3	368.59	2.13	1.38	15.74	11.37	10.32	1.1	6.09	2.86	0.000854	9.12653
2.4	368.57	2.11	1.39	15.62	11.24	10.32	1.09	6.09	2.89	0.000645	6.81046
2.5	368.54	2.08	1.4	15.45	11.07	10.32	1.07	6.09	2.93	0.000758	7.87803

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19092

MASSIMA PORTATA 15.82 AT TIME 2.25
MASSIMA QUOTA PELO LIBERO 368.61 AT TIME 2.08

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.44	0	0	0	0	0	0	0	0	0	0
0.1	366.44	0	0	0	0	0	0	0	0	0	0
0.2	366.44	0	0	0	0	0	0	0	0	0	0
0.3	366.44	0	0	0	0	0	0	0	0	0	0
0.4	366.44	0	0	0	0	0	0	0	0	0	0
0.5	366.44	0	0	0	0	0	0	0	0	0	0
0.6	366.44	0	0	0	0	0	0	0	0	0	0
0.7	366.7	0.26	-0.28	-0.28	1.02	4.65	0.22	4.42	17.14	0	0
0.8	367.03	0.59	-0.29	-0.75	2.56	5.47	0.47	4.9	8.27	0	0
0.9	367.4	0.96	-0.02	0.08	4.85	6.39	0.76	5.43	5.63	0.000694	5.09916
1	367.83	1.4	0.59	4.11	6.92	7.45	0.93	6.05	4.33	0.000332	2.98675
1.1	367.99	1.56	0.69	5.38	7.83	10.39	0.75	6.1	3.92	0.000319	2.33171
1.2	368.12	1.68	0.66	5.67	8.58	10.39	0.83	6.1	3.63	0.000248	1.98779
1.3	368.27	1.83	0.5	4.77	9.52	10.39	0.92	6.1	3.33	0.000413	3.66116
1.4	368.36	1.92	0.54	5.42	10.04	10.39	0.97	6.1	3.18	0.000148	1.38685
1.5	368.41	1.98	0.63	6.52	10.38	10.39	1	6.1	3.09	0.000763	7.38851
1.6	368.46	2.02	0.75	7.98	10.63	10.39	1.02	6.1	3.02	0.000387	3.84036
1.7	368.51	2.07	0.87	9.49	10.96	10.39	1.05	6.1	2.95	0.000413	4.22492
1.8	368.55	2.11	0.99	11.07	11.22	10.39	1.08	6.1	2.89	0.000404	4.2232
1.9	368.58	2.15	1.1	12.53	11.42	10.39	1.1	6.1	2.84	0.000486	5.1713
2	368.59	2.15	1.18	13.58	11.47	10.39	1.1	6.1	2.83	0.000261	2.79356
2.1	368.6	2.16	1.27	14.6	11.52	10.39	1.11	6.1	2.82	0.000501	5.381
2.2	368.6	2.16	1.31	15.06	11.49	10.39	1.11	6.1	2.82	0.000511	5.47287
2.3	368.58	2.14	1.33	15.13	11.39	10.39	1.1	6.1	2.85	0.000551	5.85578
2.4	368.56	2.12	1.34	15.08	11.25	10.39	1.08	6.1	2.88	0.000531	5.56714
2.5	368.53	2.09	1.35	14.95	11.08	10.39	1.07	6.1	2.92	0.000645	6.66742

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19173

MASSIMA PORTATA 15.83 AT TIME 2.25
MASSIMA QUOTA PELO LIBERO 368.61 AT TIME 2.06

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.42	0	0	0	0	0	0	0	0	0	0
0.1	366.42	0	0	0	0	0	0	0	0	0	0
0.2	366.42	0	0	0	0	0	0	0	0	0	0
0.3	366.42	0	0	0	0	0	0	0	0	0	0
0.4	366.42	0	0	0	0	0	0	0	0	0	0
0.5	366.42	0	0	0	0	0	0	0	0	0	0
0.6	366.43	0.01	-0.05	-0.01	0	0	0	0	0	0	0
0.7	366.72	0.3	-0.28	-0.34	1.19	4.87	0.24	4.56	15.27	0	0
0.8	367.04	0.62	-0.3	-0.8	2.7	5.64	0.48	4.96	8	0	0
0.9	367.4	0.99	-0.04	-0.02	0.59	6.5	0.09	5.43	5.51	0.000219	0.19366
1	367.83	1.41	0.58	4.03	6.99	7.51	0.93	5.96	4.23	0.000536	4.84146

1.1	367.99	1.57	0.65	5.15	7.89	10.45	0.76	6	3.82	0.00053	3.87611
1.2	368.12	1.7	0.62	5.37	8.64	10.45	0.83	6	3.54	0.000152	1.222
1.3	368.27	1.85	0.45	4.31	9.59	10.45	0.92	6	3.24	0.000392	3.48165
1.4	368.36	1.94	0.5	5.06	10.1	10.45	0.97	6	3.1	0.000151	1.41912
1.5	368.41	1.99	0.6	6.22	10.44	10.45	1	6	3.01	0.000405	3.92312
1.6	368.45	2.04	0.72	7.72	10.69	10.45	1.02	6	2.95	0.000301	2.98211
1.7	368.51	2.09	0.84	9.26	11.01	10.45	1.05	6	2.87	0.000442	4.51675
1.8	368.55	2.13	0.97	10.89	11.27	10.45	1.08	6	2.81	0.000366	3.82381
1.9	368.58	2.17	1.08	12.42	11.47	10.45	1.1	6	2.77	0.000204	2.17315
2	368.59	2.17	1.18	13.52	11.51	10.45	1.1	6	2.76	0	0
2.1	368.6	2.18	1.26	14.56	11.55	10.45	1.11	6	2.75	0.000192	2.0598
2.2	368.6	2.18	1.3	15.03	11.52	10.45	1.1	6	2.76	0.000232	2.47467
2.3	368.58	2.16	1.32	15.11	11.42	10.45	1.09	6	2.78	0.000463	4.90444
2.4	368.55	2.14	1.34	15.07	11.28	10.45	1.08	6	2.81	0.000526	5.49561
2.5	368.53	2.11	1.35	14.94	11.1	10.45	1.06	6	2.85	0.000363	3.73551

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19255

MASSIMA PORTATA 15.77 AT TIME 2.31
MASSIMA QUOTA PELO LIBERO 368.6 AT TIME 2.08

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.4	0	0	0	0	0	0	0	0	0	0
0.1	366.4	0	0	0	0	0	0	0	0	0	0
0.2	366.4	0	0	0	0	0	0	0	0	0	0
0.3	366.4	0	0	0	0	0	0	0	0	0	0
0.4	366.4	0	0	0	0	0	0	0	0	0	0
0.5	366.4	0	0	0	0	0	0	0	0	0	0
0.6	366.43	0.03	-0.08	-0.03	0.04	1.22	0	1.22	0	0	0
0.7	366.73	0.33	-0.28	-0.37	1.34	4.8	0.28	4.51	13.61	0	0
0.8	367.05	0.65	-0.3	-0.85	2.82	5.61	0.5	4.93	7.6	0	0
0.9	367.41	1.01	-0.05	-0.11	2.13	6.53	0.33	5.41	5.37	0	0
1	367.82	1.43	0.56	3.97	7.08	7.6	0.93	5.97	4.19	0.000445	4.01807
1.1	367.99	1.59	0.61	4.87	7.99	10.56	0.76	6	3.78	0.000632	4.63273
1.2	368.11	1.71	0.57	5.02	8.74	10.56	0.83	6	3.5	0.000165	1.32683
1.3	368.27	1.87	0.4	3.85	9.69	10.56	0.92	6	3.21	0.000334	2.96992
1.4	368.35	1.96	0.45	4.61	10.21	10.56	0.97	6	3.07	0.000943	8.83885
1.5	368.41	2.01	0.55	5.79	10.54	10.56	1	6	2.98	0	0
1.6	368.45	2.05	0.67	7.27	10.78	10.56	1.02	6	2.92	0.000092	0.91423
1.7	368.5	2.11	0.79	8.81	11.11	10.56	1.05	6	2.85	0.000631	6.43473
1.8	368.55	2.15	0.92	10.48	11.37	10.56	1.08	6	2.79	0.00047	4.90687
1.9	368.58	2.18	1.05	12.1	11.56	10.56	1.09	6	2.75	0.000168	1.78043
2	368.59	2.19	1.15	13.35	11.59	10.56	1.1	6	2.74	0.000117	1.24116
2.1	368.59	2.2	1.24	14.45	11.63	10.56	1.1	6	2.73	0.000225	2.40156
2.2	368.59	2.19	1.29	14.97	11.6	10.56	1.1	6	2.74	0.000299	3.17767
2.3	368.57	2.17	1.31	15.09	11.49	10.56	1.09	6	2.76	0.000778	8.20356
2.4	368.55	2.15	1.33	15.09	11.34	10.56	1.07	6	2.79	0.000734	7.63583
2.5	368.52	2.12	1.34	14.97	11.16	10.56	1.06	6	2.83	0.000439	4.49476

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19337

MASSIMA PORTATA 15.74 AT TIME 2.31
MASSIMA QUOTA PELO LIBERO 368.6 AT TIME 2.06

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.38	0	0	0	0	0	0	0	0	0	0
0.1	366.38	0	0	0	0	0	0	0	0	0	0
0.2	366.38	0	0	0	0	0	0	0	0	0	0
0.3	366.38	0	0	0	0	0	0	0	0	0	0
0.4	366.38	0	0	0	0	0	0	0	0	0	0
0.5	366.38	0	0	0	0	0	0	0	0	0	0
0.6	366.43	0.06	-0.13	-0.05	0.42	2.32	0.18	2.32	42	0	0
0.7	366.74	0.36	-0.29	-0.42	1.46	4.89	0.3	4.57	12.53	0	0
0.8	367.05	0.68	-0.3	-0.89	2.93	5.7	0.51	5	7.4	0	0
0.9	367.41	1.03	-0.07	-0.22	3.01	6.62	0.45	5.49	5.34	0.00077	3.38957
1	367.82	1.44	0.53	3.79	7.15	10.34	0.69	5.99	4.16	0.001042	6.97671
1.1	367.98	1.6	0.57	4.61	8.05	10.34	0.78	5.99	3.73	0.000809	6.10829
1.2	368.11	1.73	0.54	4.73	8.8	10.34	0.85	5.99	3.46	0.00048	3.9605
1.3	368.27	1.89	0.35	3.41	9.76	10.34	0.94	5.99	3.17	0.00028	2.55639
1.4	368.35	1.98	0.4	4.13	10.27	10.34	0.99	5.99	3.03	0.000479	4.61038
1.5	368.41	2.03	0.5	5.34	10.58	10.34	1.02	5.99	2.95	0.00162	16.0591
1.6	368.45	2.07	0.63	6.81	10.83	10.34	1.05	5.99	2.89	0.000563	5.71176

1.7	368.5	2.12	0.75	8.33	11.16	10.34	1.08	5.99	2.82	0.001129	11.80683
1.8	368.55	2.17	0.88	10.03	11.41	10.34	1.1	5.99	2.76	0.001518	16.23303
1.9	368.58	2.2	1.01	11.74	11.6	10.34	1.12	5.99	2.73	0.001599	17.38352
2	368.58	2.2	1.13	13.15	11.62	10.34	1.12	5.99	2.72	0.002046	22.28396
2.1	368.59	2.21	1.23	14.32	11.66	10.34	1.13	5.99	2.71	0.002126	23.22201
2.2	368.58	2.2	1.28	14.9	11.61	10.34	1.12	5.99	2.72	0.002646	28.79099
2.3	368.56	2.19	1.31	15.08	11.51	10.34	1.11	5.99	2.74	0.003097	33.38744
2.4	368.54	2.16	1.33	15.12	11.35	10.34	1.1	5.99	2.77	0.003047	32.41378
2.5	368.51	2.13	1.34	15.01	11.17	10.34	1.08	5.99	2.81	0.002828	29.60625

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19419

MASSIMA PORTATA 4.92 AT TIME 2.44
MASSIMA QUOTA PELO LIBERO 368.59 AT TIME 2.02

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.36	0	0	0	0	0	0	0	0	0	0
0.1	366.36	0	0	0	0	0	0	0	0	0	0
0.2	366.36	0	0	0	0	0	0	0	0	0	0
0.3	366.36	0	0	0	0	0	0	0	0	0	0
0.4	366.36	0	0	0	0	0	0	0	0	0	0
0.5	366.36	0	0	0	0	0	0	0	0	0	0
0.6	366.44	0.09	0.01	0	0.34	3.08	0.11	3.07	35.47	0	0
0.7	366.75	0.39	0	-0.01	1.46	4.88	0.3	4.52	11.47	0.000307	0.89178
0.8	367.06	0.7	0	-0.01	2.93	5.71	0.51	4.98	7.08	0.00083	4.13546
0.9	367.41	1.05	0.01	0.04	4.76	6.64	0.72	5.5	5.23	0.001312	9.11613
1	367.81	1.46	0.04	0.31	7.3	9.95	0.73	5.89	4.04	0.00177	12.58895
1.1	367.98	1.62	0.04	0.32	7.99	9.95	0.8	5.89	3.63	0.000709	5.51931
1.2	368.11	1.75	0.04	0.34	8.79	9.95	0.88	5.89	3.36	0.001143	9.78421
1.3	368.27	1.91	0	0.03	9.75	9.95	0.98	5.89	3.09	0	0
1.4	368.35	1.99	0.03	0.31	10.39	9.95	1.04	5.89	2.95	0.001146	11.60038
1.5	368.4	2.05	0.23	2.48	10.6	9.95	1.07	5.89	2.88	0.002662	27.48399
1.6	368.45	2.09	0.13	1.42	10.9	9.95	1.1	5.89	2.82	0.001366	14.50843
1.7	368.5	2.14	0.26	2.93	11.15	9.95	1.12	5.89	2.75	0.001595	17.32898
1.8	368.54	2.19	0.3	3.46	11.38	9.95	1.14	5.89	2.69	0.002444	27.09017
1.9	368.57	2.22	0.34	3.92	11.54	9.95	1.16	5.89	2.66	0.002831	31.8227
2	368.58	2.22	0.37	4.26	11.53	9.95	1.16	5.89	2.65	0.003504	39.35333
2.1	368.58	2.22	0.39	4.53	11.53	9.95	1.16	5.89	2.65	0.003776	42.4358
2.2	368.58	2.22	0.41	4.68	11.47	9.95	1.15	5.89	2.65	0.004449	49.73244
2.3	368.56	2.2	0.42	4.73	11.35	9.95	1.14	5.89	2.68	0.004657	51.50586
2.4	368.53	2.17	0.42	4.73	11.19	9.95	1.12	5.89	2.71	0.004664	50.84176
2.5	368.5	2.14	0.43	4.7	11	9.95	1.11	5.89	2.75	0.00473	50.70373

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19500

MASSIMA PORTATA 4.74 AT TIME 2.31
MASSIMA QUOTA PELO LIBERO 368.55 AT TIME 1.84

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.34	0	0	0	0	0	0	0	0	0	0
0.1	366.34	0	0	0	0	0	0	0	0	0	0
0.2	366.34	0	0	0	0	0	0	0	0	0	0
0.3	366.34	0	0	0	0	0	0	0	0	0	0
0.4	366.34	0	0	0	0	0	0	0	0	0	0
0.5	366.34	0	0	0	0	0	0	0	0	0	0
0.6	366.42	0.08	-0.01	0	0.3	3.04	0.1	3.02	37.43	0.000537	0.51615
0.7	366.75	0.41	0	0	1.57	4.96	0.32	4.58	11.1	0	0
0.8	367.05	0.71	0	0	3.01	5.78	0.52	5.05	7.08	0	0
0.9	367.4	1.06	0	0.01	4.88	6.73	0.72	5.59	5.26	0	0
1	367.79	1.45	0	0.03	7.11	9.74	0.73	5.88	4.06	0	0
1.1	367.95	1.61	0	0.04	8.07	9.74	0.83	5.88	3.65	0	0
1.2	368.08	1.74	0.04	0.34	9.24	9.74	0.95	5.88	3.37	0	0
1.3	368.25	1.91	0.22	2.13	9.79	9.74	1.01	5.88	3.08	0	0
1.4	368.33	2	0.23	2.37	10.3	9.74	1.06	5.88	2.94	0	0
1.5	368.39	2.05	0.18	1.93	10.59	9.74	1.09	5.88	2.87	0	0
1.6	368.42	2.09	0.16	1.78	10.84	9.74	1.11	5.88	2.82	0	0
1.7	368.48	2.14	0.18	1.96	11.12	9.74	1.14	5.88	2.75	0	0
1.8	368.51	2.17	0.22	2.48	11.32	9.74	1.16	5.88	2.7	0	0
1.9	368.53	2.2	0.26	2.99	11.45	9.74	1.18	5.88	2.68	0	0
2	368.53	2.19	0.31	3.49	11.42	9.74	1.17	5.88	2.68	0	0
2.1	368.53	2.19	0.34	3.85	11.4	9.74	1.17	5.88	2.69	0	0
2.2	368.51	2.17	0.36	4.09	11.32	9.74	1.16	5.88	2.7	0	0

2.3	368.49	2.15	0.38	4.23	11.18	9.74	1.15	5.88	2.73	0	0
2.4	368.46	2.12	0.39	4.31	11.01	9.74	1.13	5.88	2.77	0	0
2.5	368.43	2.09	0.4	4.33	10.82	9.74	1.11	5.88	2.81	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19581

MASSIMA PORTATA 26.75 AT TIME 1.5
MASSIMA QUOTA PELO LIBERO 368.55 AT TIME 1.84

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.33	0	0	0	0	0	0	0	0	0	0
0.1	366.33	0	0	0	0	0	0	0	0	0	0
0.2	366.33	0	0	0	0	0	0	0	0	0	0
0.3	366.33	0	0	0	0	0	0	0	0	0	0
0.4	366.33	0	0	0	0	0	0	0	0	0	0
0.5	366.33	0	0	0	0	0	0	0	0	0	0
0.6	366.43	0.1	0.15	0.08	0.5	3.44	0.14	3.43	34.59	0.001595	2.2285
0.7	366.75	0.42	0.54	0.85	1.56	4.94	0.32	4.57	10.88	0.000164	0.50409
0.8	367.05	0.73	0.92	2.75	3	5.77	0.52	5.05	6.96	0	0
0.9	367.38	1.06	1.38	6.5	4.71	6.68	0.71	5.56	5.27	0	0
1	367.76	1.43	1.77	11.96	6.75	9.42	0.72	5.77	4.03	0	0
1.1	367.93	1.6	1.97	15.13	7.68	9.42	0.82	5.77	3.6	0	0
1.2	368.07	1.74	2.03	16.98	8.37	9.42	0.89	5.77	3.32	0.00203	17.47818
1.3	368.25	1.92	1.74	15.59	8.97	9.42	0.95	5.77	3.01	0.003159	29.16074
1.4	368.33	2.01	1.8	16.97	9.45	9.42	1	5.77	2.88	0.001566	15.2229
1.5	368.38	2.06	1.85	18.03	9.75	9.42	1.03	5.77	2.81	0	0
1.6	368.42	2.09	1.91	19.04	9.95	9.42	1.06	5.77	2.76	0.002684	27.459
1.7	368.48	2.15	1.87	19.01	10.18	9.42	1.08	5.77	2.69	0.002619	27.44092
1.8	368.51	2.18	1.92	19.86	10.37	9.42	1.1	5.77	2.64	0.00263	28.05099
1.9	368.53	2.21	1.95	20.48	10.49	9.42	1.11	5.77	2.62	0.002212	23.87779
2	368.53	2.2	1.96	20.48	10.46	9.42	1.11	5.77	2.63	0.002158	23.22577
2.1	368.52	2.19	1.96	20.49	10.45	9.42	1.11	5.77	2.63	0.001809	19.44166
2.2	368.51	2.18	1.96	20.36	10.39	9.42	1.1	5.77	2.65	0.001724	18.42774
2.3	368.49	2.16	1.95	20.02	10.28	9.42	1.09	5.77	2.68	0.001675	17.70248
2.4	368.45	2.13	1.94	19.65	10.13	9.42	1.07	5.77	2.71	0.002214	23.06639
2.5	368.42	2.09	1.91	19.03	9.95	9.42	1.06	5.77	2.76	0.002161	22.10975

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19662

MASSIMA PORTATA 25.28 AT TIME 1.5
MASSIMA QUOTA PELO LIBERO 368.25 AT TIME 1.5

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.31	0	0	0	0	0	0	0	0	0	0
0.1	366.31	0	0	0	0	0	0	0	0	0	0
0.2	366.31	0	0	0	0	0	0	0	0	0	0
0.3	366.31	0	0	0	0	0	0	0	0	0	0
0.4	366.31	0	0	0	0	0	0	0	0	0	0
0.5	366.31	0	0	0	0	0	0	0	0	0	0
0.6	366.38	0.08	0.13	0.05	0.37	2.28	0.16	2.27	29.67	0.002556	4.06409
0.7	366.71	0.4	0.54	0.8	1.47	4.79	0.31	4.47	11.08	0.001976	5.89701
0.8	367.02	0.71	0.94	2.71	2.89	5.68	0.51	5.02	7.06	0.002141	10.53534
0.9	367.33	1.02	1.43	6.41	4.47	6.59	0.68	5.57	5.46	0.002362	15.5571
1	367.68	1.37	1.88	11.9	6.32	9.16	0.69	5.77	4.2	0.004205	28.10726
1.1	367.84	1.53	2.08	14.99	7.21	9.16	0.79	5.77	3.77	0.003164	24.11081
1.2	367.94	1.64	2.16	16.86	7.79	9.16	0.85	5.77	3.52	0.007135	58.78518
1.3	367.97	1.66	2	15.82	7.9	9.16	0.86	5.77	3.47	0.008556	71.46558
1.4	368.05	1.74	2.06	17.19	8.34	9.16	0.91	5.77	3.31	0.007227	63.76621
1.5	368.1	1.79	2.11	18.25	8.63	9.16	0.94	5.77	3.22	0.004095	37.39414
1.6	368.14	1.83	2.18	19.25	8.84	9.16	0.96	5.77	3.15	0.008366	78.24249
1.7	368.16	1.85	2.16	19.33	8.96	9.16	0.98	5.77	3.11	0.008099	76.72977
1.8	368.19	1.88	2.21	20.16	9.12	9.16	0.99	5.77	3.06	0.008188	78.95245
1.9	368.21	1.9	2.25	20.77	9.22	9.16	1.01	5.77	3.03	0.008281	80.79401
2	368.21	1.9	2.26	20.79	9.21	9.16	1.01	5.77	3.03	0.008251	80.39293
2.1	368.21	1.9	2.26	20.81	9.21	9.16	1	5.77	3.03	0.008004	77.94975
2.2	368.2	1.89	2.26	20.67	9.17	9.16	1	5.77	3.05	0.008009	77.64465
2.3	368.18	1.88	2.24	20.33	9.08	9.16	0.99	5.77	3.07	0.007386	70.92873
2.4	368.16	1.86	2.22	19.94	8.96	9.16	0.98	5.77	3.11	0.00789	74.79567
2.5	368.13	1.83	2.2	19.34	8.8	9.16	0.96	5.77	3.16	0.007687	71.58374

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19742

MASSIMA PORTATA 24.86 AT TIME 1.5
MASSIMA QUOTA PELO LIBERO 368.14 AT TIME 1.9

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE (Pa) AL FONDO
0	366.29	0	0	0	0	0	0	0	0	0	0
0.1	366.29	0	0	0	0	0	0	0	0	0	0
0.2	366.29	0	0	0	0	0	0	0	0	0	0
0.3	366.29	0	0	0	0	0	0	0	0	0	0
0.4	366.29	0	0	0	0	0	0	0	0	0	0
0.5	366.29	0	0	0	0	0	0	0	0	0	0
0.6	366.33	0.04	0.07	0.02	0.26	1.55	0.17	1.55	38.18	0.003826	6.19086
0.7	366.67	0.38	0.51	0.74	1.45	4.73	0.31	4.41	11.55	0.001845	5.46384
0.8	366.98	0.69	0.94	2.66	2.84	5.54	0.51	4.86	7.05	0.00202	10.03908
0.9	367.27	0.99	1.45	6.3	4.34	6.32	0.69	5.3	5.37	0.003194	21.25554
1	367.6	1.32	1.94	11.76	6.06	8.59	0.71	5.39	4.09	0.002748	18.78925
1.1	367.77	1.48	2.15	14.95	6.96	8.59	0.81	5.39	3.64	0.001122	8.81198
1.2	367.87	1.58	2.24	16.81	7.49	8.59	0.87	5.39	3.41	0.002096	17.7231
1.3	367.89	1.6	2.14	16.23	7.58	8.59	0.88	5.39	3.37	0.001837	15.71769
1.4	367.97	1.68	2.22	17.77	8.02	8.59	0.93	5.39	3.21	0.001353	12.24041
1.5	368.02	1.73	2.28	18.9	8.29	8.59	0.97	5.39	3.11	0.001699	15.91025
1.6	368.06	1.77	2.35	19.96	8.5	8.59	0.99	5.39	3.05	0.001689	16.21049
1.7	368.08	1.79	2.34	20.15	8.6	8.59	1	5.39	3.01	0.001595	15.48426
1.8	368.1	1.81	2.4	20.96	8.75	8.59	1.02	5.39	2.97	0.00156	15.40473
1.9	368.12	1.83	2.44	21.56	8.84	8.59	1.03	5.39	2.94	0.001589	15.85745
2	368.12	1.83	2.44	21.58	8.83	8.59	1.03	5.39	2.94	0.001508	15.0366
2.1	368.12	1.83	2.45	21.59	8.83	8.59	1.03	5.39	2.94	0.001717	17.10972
2.2	368.11	1.82	2.44	21.44	8.79	8.59	1.02	5.39	2.96	0.001823	18.09226
2.3	368.1	1.81	2.42	21.07	8.71	8.59	1.01	5.39	2.98	0.00156	15.33492
2.4	368.07	1.79	2.4	20.63	8.6	8.59	1	5.39	3.02	0.001457	14.14361
2.5	368.05	1.76	2.37	19.99	8.44	8.59	0.98	5.39	3.06	0.001851	17.64009

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19822

MASSIMA PORTATA 25.15 AT TIME 1.5
MASSIMA QUOTA PELO LIBERO 368.06 AT TIME 1.9

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE (Pa) AL FONDO
0	366.26	0	0	0	0	0	0	0	0	0	0
0.1	366.26	0	0	0	0	0	0	0	0	0	0
0.2	366.26	0	0	0	0	0	0	0	0	0	0
0.3	366.26	0	0	0	0	0	0	0	0	0	0
0.4	366.26	0	0	0	0	0	0	0	0	0	0
0.5	366.26	0	0	0	0	0	0	0	0	0	0
0.6	366.27	0.01	0	0	0	0	0	0	0	0.005584	0
0.7	366.63	0.37	0.52	0.68	1.3	4.74	0.27	4.49	12.12	0.001705	4.51734
0.8	366.94	0.68	0.98	2.61	2.65	5.55	0.48	4.95	7.31	0.0016	7.41143
0.9	367.22	0.96	1.51	6.21	4.11	6.3	0.65	5.38	5.59	0.002392	15.09964
1	367.54	1.28	2.02	11.67	5.78	8.78	0.66	5.56	4.35	0.001018	6.50681
1.1	367.71	1.45	2.23	14.97	6.7	8.78	0.76	5.56	3.84	0.00142	10.51163
1.2	367.8	1.54	2.37	17.08	7.22	8.78	0.82	5.56	3.61	0.001039	8.28194
1.3	367.82	1.56	2.31	16.87	7.3	8.78	0.83	5.56	3.56	0.0007	5.64029
1.4	367.9	1.64	2.4	18.59	7.74	8.78	0.88	5.56	3.39	0.000371	3.17032
1.5	367.95	1.69	2.47	19.77	8.02	8.78	0.91	5.56	3.29	0.002463	21.81126
1.6	367.98	1.73	2.54	20.88	8.24	8.78	0.94	5.56	3.22	0.000352	3.19917
1.7	368	1.74	2.54	21.14	8.33	8.78	0.95	5.56	3.19	0.000372	3.42529
1.8	368.03	1.77	2.6	21.99	8.47	8.78	0.97	5.56	3.14	0.000447	4.1833
1.9	368.04	1.79	2.64	22.59	8.57	8.78	0.98	5.56	3.11	0.000225	2.12688
2	368.04	1.78	2.64	22.58	8.56	8.78	0.98	5.56	3.11	0.000318	3.00295
2.1	368.04	1.78	2.64	22.59	8.56	8.78	0.97	5.56	3.12	0.000336	3.17387
2.2	368.04	1.78	2.63	22.41	8.52	8.78	0.97	5.56	3.13	0.000651	6.12892
2.3	368.02	1.76	2.61	22.01	8.44	8.78	0.96	5.56	3.15	0.00059	5.50018
2.4	368	1.74	2.58	21.51	8.33	8.78	0.95	5.56	3.19	0.000233	2.14424
2.5	367.97	1.72	2.54	20.79	8.18	8.78	0.93	5.56	3.24	0.000753	6.80598

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19902

MASSIMA PORTATA 25.19 AT TIME 1.5
MASSIMA QUOTA PELO LIBERO 367.96 AT TIME 1.5

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.24	0	0	0	0	0	0	0	0	0	0
0.1	366.24	0	0	0	0	0	0	0	0	0	0
0.2	366.24	0	0	0	0	0	0	0	0	0	0
0.3	366.24	0	0	0	0	0	0	0	0	0	0
0.4	366.24	0	0	0	0	0	0	0	0	0	0
0.5	366.24	0	0	0	0	0	0	0	0	0	0
0.6	366.24	0	0	0	0	0	0	0	0	0	0
0.7	366.58	0.34	0.59	0.62	1.04	4.35	0.24	4.21	12.43	0.002558	5.93948
0.8	366.88	0.64	1.17	2.56	2.19	5.38	0.41	4.93	7.65	0.002574	10.16307
0.9	367.16	0.92	1.74	6.14	3.52	6.13	0.58	5.37	5.83	0.002634	14.68966
1	367.46	1.22	2.28	11.58	5.07	8.9	0.57	5.69	4.65	0.000638	3.52028
1.1	367.62	1.38	2.5	14.9	5.97	8.9	0.67	5.69	4.11	0.002597	16.86479
1.2	367.71	1.47	2.64	17.1	6.49	8.9	0.73	5.69	3.87	0.001536	10.84323
1.3	367.72	1.49	2.62	17.11	6.54	8.9	0.73	5.69	3.83	0.001138	8.10411
1.4	367.8	1.56	2.73	19.04	6.99	8.9	0.78	5.69	3.64	0.000725	5.51762
1.5	367.85	1.61	2.8	20.33	7.26	8.9	0.82	5.69	3.53	0.001137	8.98445
1.6	367.89	1.65	2.87	21.53	7.49	8.9	0.84	5.69	3.44	0.00011	0.89524
1.7	367.91	1.67	2.89	21.87	7.58	8.9	0.85	5.69	3.41	0.000251	2.07336
1.8	367.93	1.69	2.94	22.7	7.71	8.9	0.87	5.69	3.36	0.000363	3.04937
1.9	367.95	1.71	2.99	23.29	7.8	8.9	0.88	5.69	3.33	0	0
2	367.95	1.71	2.99	23.29	7.8	8.9	0.88	5.69	3.33	0.000275	2.33275
2.1	367.95	1.71	2.99	23.29	7.79	8.9	0.88	5.69	3.33	0.000257	2.18122
2.2	367.94	1.7	2.98	23.11	7.76	8.9	0.87	5.69	3.34	0.000564	4.75985
2.3	367.93	1.69	2.95	22.68	7.68	8.9	0.86	5.69	3.37	0.000508	4.24786
2.4	367.91	1.67	2.92	22.13	7.58	8.9	0.85	5.69	3.41	0.000404	3.32981
2.5	367.88	1.64	2.88	21.39	7.43	8.9	0.84	5.69	3.46	0.00085	6.87923

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19982

MASSIMA PORTATA 25.40 AT TIME 1.5
MASSIMA QUOTA PELO LIBERO 367.79 AT TIME 1.5

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.22	0	0	0	0	0	0	0	0	0	0
0.1	366.22	0	0	0	0	0	0	0	0	0	0
0.2	366.22	0	0	0	0	0	0	0	0	0	0
0.3	366.22	0	0	0	0	0	0	0	0	0	0
0.4	366.22	0	0	0	0	0	0	0	0	0	0
0.5	366.22	0	0	0	0	0	0	0	0	0	0
0.6	366.22	0	0	0	0	0	0	0	0	0	0
0.7	366.49	0.28	0.73	0.58	0.79	3.71	0.21	3.6	12.99	0.007226	14.98536
0.8	366.77	0.55	1.46	2.53	1.73	5.03	0.34	4.71	8.54	0.007433	24.7889
0.9	367.02	0.8	2.1	6.08	2.89	5.72	0.51	5.12	6.38	0.007474	36.65511
1	367.29	1.08	2.71	11.54	4.26	6.47	0.66	5.58	5.18	0.005216	33.25561
1.1	367.45	1.23	2.94	14.93	5.07	8.98	0.56	5.7	4.62	0.006379	34.93082
1.2	367.55	1.33	3.05	17.19	5.64	8.98	0.63	5.7	4.29	0.0055	33.48592
1.3	367.55	1.34	3.04	17.25	5.67	8.98	0.63	5.7	4.26	0.005198	31.81995
1.4	367.63	1.41	3.18	19.38	6.1	8.98	0.68	5.7	4.03	0.004922	32.42524
1.5	367.68	1.46	3.27	20.79	6.36	8.98	0.71	5.7	3.9	0.004135	28.38936
1.6	367.72	1.5	3.35	22.08	6.6	8.98	0.74	5.7	3.79	0.004238	30.19297
1.7	367.73	1.52	3.37	22.47	6.67	8.98	0.74	5.7	3.76	0.004226	30.45523
1.8	367.76	1.54	3.42	23.29	6.8	8.98	0.76	5.7	3.7	0.004247	31.20506
1.9	367.77	1.56	3.46	23.86	6.89	8.98	0.77	5.7	3.66	0.003878	28.84847
2	367.77	1.55	3.46	23.85	6.89	8.98	0.77	5.7	3.67	0.004199	31.22828
2.1	367.77	1.55	3.46	23.84	6.89	8.98	0.77	5.7	3.67	0.004185	31.10993
2.2	367.77	1.55	3.45	23.65	6.85	8.98	0.76	5.7	3.68	0.004301	31.83387
2.3	367.75	1.53	3.42	23.2	6.78	8.98	0.76	5.7	3.71	0.004333	31.7278
2.4	367.74	1.52	3.38	22.63	6.69	8.98	0.75	5.7	3.76	0.004328	31.25873
2.5	367.71	1.49	3.33	21.84	6.55	8.98	0.73	5.7	3.82	0.004639	32.83205

CHANNEL HYDROGRAPH FOR ELEMENT NO: 20063

MASSIMA PORTATA 25.43 AT TIME 1.51
MASSIMA QUOTA PELO LIBERO 367.5 AT TIME 1.51

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	366.12	0	0	0	0	0	0	0	0	0	0
0.1	366.12	0	0	0	0	0	0	0	0	0	0
0.2	366.12	0	0	0	0	0	0	0	0	0	0
0.3	366.12	0	0	0	0	0	0	0	0	0	0
0.4	366.12	0	0	0	0	0	0	0	0	0	0
0.5	366.12	0	0	0	0	0	0	0	0	0	0
0.6	366.12	0	0	0	0	0	0	0	0	0	0
0.7	366.29	0.18	0.78	0.54	0.69	4.27	0.16	4.2	23.96	0.017546	27.52412
0.8	366.53	0.41	1.66	2.5	1.51	4.86	0.31	4.56	11.15	0.020595	62.0118
0.9	366.76	0.64	2.36	6.03	2.56	5.44	0.47	4.92	7.7	0.02603	118.60909
1	367.01	0.89	3.03	11.49	3.79	6.09	0.62	5.31	5.94	0.029836	179.93916
1.1	367.15	1.03	3.32	14.94	4.5	6.44	0.7	5.53	5.34	0.031649	214.15355
1.2	367.26	1.14	3.43	17.34	5.06	8.81	0.57	5.63	4.93	0.031161	173.55806
1.3	367.26	1.14	3.42	17.39	5.08	8.81	0.58	5.63	4.92	0.031959	178.71863
1.4	367.34	1.22	3.56	19.52	5.48	8.81	0.62	5.63	4.62	0.033516	202.09578
1.5	367.38	1.26	3.66	20.94	5.72	8.81	0.65	5.63	4.46	0.035956	226.23463
1.6	367.42	1.31	3.75	22.36	5.96	8.81	0.68	5.63	4.31	0.034705	227.50989
1.7	367.44	1.32	3.78	22.76	6.03	8.81	0.68	5.63	4.26	0.035042	232.45776
1.8	367.46	1.34	3.83	23.59	6.15	8.81	0.7	5.63	4.19	0.035451	240.02873
1.9	367.48	1.36	3.87	24.15	6.23	8.81	0.71	5.63	4.14	0.035966	246.74988
2	367.48	1.36	3.88	24.16	6.24	8.81	0.71	5.63	4.14	0.035787	245.56741
2.1	367.48	1.36	3.87	24.15	6.23	8.81	0.71	5.63	4.15	0.035725	245.05624
2.2	367.47	1.35	3.86	23.97	6.21	8.81	0.7	5.63	4.16	0.035268	240.87848
2.3	367.46	1.34	3.83	23.52	6.14	8.81	0.7	5.63	4.2	0.035095	237.05093
2.4	367.44	1.32	3.79	22.96	6.05	8.81	0.69	5.63	4.25	0.034573	230.31329
2.5	367.42	1.3	3.74	22.17	5.93	8.81	0.67	5.63	4.32	0.03369	219.82967

0.5	371.3	0.22	0.29	0.18	0.63	2.99	0.21	2.87	13.33	0.001595	3.25121
0.6	371.75	0.67	0.75	1.76	2.35	4.45	0.53	3.74	5.62	0.002318	11.87662
0.7	372.13	1.04	1.18	4.5	3.81	5.24	0.73	3.96	3.8	0	0
0.8	372.33	1.25	1.37	6.43	4.7	5.66	0.83	4.08	3.27	0	0
0.9	372.48	1.39	1.47	7.87	5.34	5.97	0.89	4.16	2.99	0	0
1	372.56	1.47	1.49	8.45	5.66	9.03	0.63	4.2	2.86	0	0
1.1	372.57	1.49	1.47	8.4	5.71	9.03	0.63	4.2	2.83	0	0
1.2	372.59	1.51	1.47	8.48	5.78	9.03	0.64	4.2	2.79	0	0
1.3	372.57	1.48	1.44	8.17	5.66	9.03	0.63	4.2	2.84	0	0
1.4	372.54	1.46	1.44	7.99	5.56	6.1	0.91	4.2	2.88	0	0
1.5	372.5	1.41	1.41	7.6	5.37	6.01	0.89	4.17	2.95	0	0
1.6	372.46	1.37	1.37	7.13	5.19	5.93	0.88	4.15	3.02	0	0
1.7	372.39	1.31	1.34	6.61	4.92	5.79	0.85	4.11	3.15	0	0
1.8	372.33	1.25	1.31	6.14	4.67	5.67	0.82	4.08	3.27	0	0
1.9	372.29	1.2	1.29	5.77	4.47	5.57	0.8	4.05	3.37	0	0
2	372.26	1.17	1.25	5.37	4.31	5.5	0.78	4.03	3.45	0	0
2.1	372.22	1.13	1.21	5.03	4.16	5.43	0.77	4.01	3.54	0	0
2.2	372.18	1.09	1.15	4.53	3.95	5.34	0.74	3.98	3.66	0	0
2.3	372.14	1.05	1.11	4.21	3.79	5.26	0.72	3.96	3.76	0	0
2.4	372.13	1.04	1.09	4.06	3.72	5.23	0.71	3.95	3.81	0	0
2.5	372.12	1.03	1.08	3.99	3.68	5.21	0.71	3.95	3.84	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 7745

MASSIMA PORTATA 9.49 AT TIME 1.08
MASSIMA QUOTA PELO LIBERO 372.58 AT TIME 1.14

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371.05	0	0	0	0	0	0	0	0	0	0
0.1	371.05	0	0	0	0	0	0	0	0	0	0
0.2	371.05	0	0	0	0	0	0	0	0	0	0
0.3	371.05	0	0	0	0	0	0	0	0	0	0
0.4	371.05	0	0	0	0	0	0	0	0	0	0
0.5	371.24	0.2	0.35	0.14	0.39	2.27	0.17	2.2	11.24	0.001973	3.3275
0.6	371.69	0.64	0.93	1.58	1.71	4.42	0.39	3.26	5.1	0.002519	9.42678
0.7	372.04	0.99	1.51	4.34	2.89	4.42	0.65	3.26	3.3	0.002725	17.25862
0.8	372.23	1.18	1.74	6.2	3.56	4.42	0.81	3.26	2.76	0.00273	21.31132
0.9	372.37	1.33	1.86	7.59	4.08	4.42	0.92	3.26	2.46	0.00301	26.98088
1	372.45	1.4	1.87	8.15	4.35	4.42	0.98	3.26	2.33	0.001237	11.80657
1.1	372.46	1.41	1.86	8.24	4.43	4.42	1	3.26	2.3	0.002219	21.58191
1.2	372.49	1.44	1.84	8.3	4.5	4.42	1.02	3.26	2.27	0.002615	25.86109
1.3	372.46	1.41	1.82	8.04	4.42	4.42	1	3.26	2.3	0.002103	20.4136
1.4	372.44	1.4	1.81	7.86	4.35	4.42	0.99	3.26	2.33	0.002487	23.75337
1.5	372.41	1.36	1.77	7.4	4.19	4.42	0.95	3.26	2.4	0.002604	23.9669
1.6	372.37	1.33	1.7	6.95	4.09	4.42	0.93	3.26	2.46	0.001725	15.49864
1.7	372.3	1.25	1.7	6.51	3.82	4.42	0.87	3.26	2.6	0.00356	29.87321
1.8	372.24	1.19	1.68	6.06	3.61	4.42	0.82	3.26	2.73	0.002323	18.43138
1.9	372.2	1.15	1.64	5.71	3.47	4.42	0.79	3.26	2.84	0.002379	18.14207
2	372.17	1.12	1.58	5.32	3.36	4.42	0.76	3.26	2.91	0.002236	16.51
2.1	372.14	1.09	1.53	4.98	3.25	4.42	0.74	3.26	2.99	0.002237	15.96551
2.2	372.1	1.05	1.45	4.5	3.11	4.42	0.7	3.26	3.1	0.00199	13.57975
2.3	372.07	1.02	1.4	4.17	2.99	4.42	0.68	3.26	3.2	0.002012	13.1982
2.4	372.05	1	1.37	4.02	2.93	4.42	0.66	3.26	3.25	0.00209	13.44037
2.5	372.04	0.99	1.36	3.95	2.9	4.42	0.66	3.26	3.28	0.002042	13.00292

CHANNEL HYDROGRAPH FOR ELEMENT NO: 7836

MASSIMA PORTATA 9.65 AT TIME 1.11
MASSIMA QUOTA PELO LIBERO 372.55 AT TIME 1.19

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	371	0	0	0	0	0	0	0	0	0	0
0.1	371	0	0	0	0	0	0	0	0	0	0
0.2	371	0	0	0	0	0	0	0	0	0	0
0.3	371	0	0	0	0	0	0	0	0	0	0
0.4	371	0	0	0	0	0	0	0	0	0	0
0.5	371.18	0.18	0.3	0.11	0.38	1.7	0.22	1.63	8.95	0.001995	4.32343
0.6	371.66	0.66	0.88	1.48	1.69	5.69	0.3	4.15	6.29	0.001672	4.81246
0.7	372.01	1.01	1.4	4.27	3.05	5.69	0.54	4.15	4.09	0.00126	6.55056
0.8	372.19	1.19	1.62	6.11	3.78	5.69	0.66	4.15	3.47	0.001356	8.72249
0.9	372.33	1.33	1.72	7.47	4.34	5.69	0.76	4.15	3.11	0	0
1	372.4	1.41	1.73	8.03	4.64	5.69	0.82	4.15	2.95	0.003838	30.35383

1.1	372.43	1.43	1.72	8.15	4.74	5.69	0.83	4.15	2.89	0.000904	7.30351
1.2	372.45	1.45	1.7	8.23	4.83	5.69	0.85	4.15	2.86	0.001527	12.56938
1.3	372.43	1.43	1.68	7.97	4.74	5.69	0.83	4.15	2.9	0.000139	1.11901
1.4	372.41	1.41	1.67	7.78	4.65	5.69	0.82	4.15	2.94	0.001042	8.25697
1.5	372.36	1.36	1.65	7.37	4.46	5.69	0.78	4.15	3.04	0.002062	15.66552
1.6	372.34	1.34	1.58	6.9	4.36	5.69	0.77	4.15	3.09	0.004624	34.2933
1.7	372.26	1.27	1.6	6.49	4.06	5.69	0.71	4.15	3.27	0.001035	7.15297
1.8	372.21	1.22	1.57	6.03	3.85	5.69	0.68	4.15	3.41	0.00141	9.24057
1.9	372.18	1.18	1.53	5.68	3.72	5.69	0.65	4.15	3.51	0.00147	9.31879
2	372.15	1.15	1.47	5.3	3.6	5.69	0.63	4.15	3.6	0.001347	8.2495
2.1	372.12	1.12	1.43	4.96	3.47	5.69	0.61	4.15	3.7	0.001326	7.82568
2.2	372.08	1.08	1.36	4.49	3.3	5.69	0.58	4.15	3.83	0.001243	6.99654
2.3	372.05	1.05	1.31	4.16	3.17	5.69	0.56	4.15	3.95	0.001263	6.80963
2.4	372.03	1.03	1.29	4	3.1	5.69	0.54	4.15	4.01	0.001306	6.88809
2.5	372.02	1.03	1.28	3.93	3.06	5.69	0.54	4.15	4.04	0.001267	6.61102

CHANNEL HYDROGRAPH FOR ELEMENT NO: 7928

MASSIMA PORTATA 9.37 AT TIME 0.98
MASSIMA QUOTA PELO LIBERO 372.54 AT TIME 1.15

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.96	0	0	0	0	0	0	0	0	0	0
0.1	370.96	0	0	0	0	0	0	0	0	0	0
0.2	370.96	0	0	0	0	0	0	0	0	0	0
0.3	370.96	0	0	0	0	0	0	0	0	0	0
0.4	370.96	0	0	0	0	0	0	0	0	0	0
0.5	371.13	0.17	0.27	0.1	0.35	1.68	0.21	1.64	9.71	0.002262	4.61288
0.6	371.63	0.67	0.88	1.43	1.61	4.02	0.4	3.69	5.49	0.001933	7.52599
0.7	372	1.04	1.42	4.17	2.94	6.29	0.47	4.25	4.08	0.000831	3.76927
0.8	372.17	1.21	1.66	6.04	3.63	6.29	0.58	4.25	3.5	0.00094	5.26436
0.9	372.3	1.34	1.78	7.38	4.14	6.29	0.66	4.25	3.17	0.001061	6.77148
1	372.38	1.42	1.78	7.93	4.45	6.29	0.71	4.25	3	0.004987	34.20582
1.1	372.39	1.44	1.79	8.12	4.53	6.29	0.72	4.25	2.96	0.00124	8.65376
1.2	372.42	1.46	1.77	8.21	4.63	6.29	0.74	4.25	2.91	0	0
1.3	372.4	1.44	1.75	7.95	4.54	6.29	0.72	4.25	2.95	0.002772	19.4079
1.4	372.38	1.42	1.73	7.69	4.44	6.29	0.71	4.25	3	0.00186	12.7332
1.5	372.33	1.37	1.73	7.36	4.26	6.29	0.68	4.25	3.1	0.000717	4.71215
1.6	372.3	1.35	1.65	6.88	4.16	6.29	0.66	4.25	3.16	0.004756	30.49987
1.7	372.24	1.28	1.66	6.47	3.89	6.29	0.62	4.25	3.33	0.000362	2.17218
1.8	372.19	1.23	1.62	6.01	3.7	6.29	0.59	4.25	3.45	0.000828	4.72497
1.9	372.16	1.2	1.57	5.65	3.61	6.29	0.57	4.25	3.53	0.000903	5.01842
2	372.13	1.17	1.51	5.27	3.48	6.29	0.55	4.25	3.62	0.00094	5.04358
2.1	372.1	1.14	1.47	4.94	3.35	6.29	0.53	4.25	3.72	0.000985	5.09205
2.2	372.06	1.1	1.4	4.48	3.19	6.29	0.51	4.25	3.85	0.001071	5.27184
2.3	372.03	1.07	1.36	4.14	3.05	6.29	0.49	4.25	3.97	0.001142	5.37716
2.4	372.01	1.05	1.34	3.99	2.99	6.29	0.48	4.25	4.03	0.001171	5.39368
2.5	372	1.05	1.33	3.92	2.95	6.29	0.47	4.25	4.07	0.001178	5.3628

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8020

MASSIMA PORTATA 9.21 AT TIME 1.18
MASSIMA QUOTA PELO LIBERO 372.49 AT TIME 1.15

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.92	0	0	0	0	0	0	0	0	0	0
0.1	370.92	0	0	0	0	0	0	0	0	0	0
0.2	370.92	0	0	0	0	0	0	0	0	0	0
0.3	370.92	0	0	0	0	0	0	0	0	0	0
0.4	370.92	0	0	0	0	0	0	0	0	0	0
0.5	371.07	0.15	0.24	0.08	0.33	1.5	0.22	1.45	9.47	0.002312	4.96779
0.6	371.59	0.67	0.89	1.37	1.53	3.83	0.4	3.49	5.18	0.002838	11.03065
0.7	371.96	1.04	1.45	4.07	2.8	5.8	0.48	3.87	3.71	0.001878	8.80474
0.8	372.14	1.22	1.71	5.94	3.48	5.8	0.6	3.87	3.17	0.002617	15.19898
0.9	372.26	1.34	1.84	7.27	3.95	5.8	0.68	3.87	2.88	0.001174	7.75674
1	372.34	1.42	1.85	7.85	4.23	5.8	0.73	3.87	2.73	0	0
1.1	372.36	1.44	1.87	8.1	4.32	5.8	0.75	3.87	2.69	0.002122	15.32433
1.2	372.38	1.46	1.85	8.16	4.41	5.8	0.76	3.87	2.64	0.002585	19.04026
1.3	372.36	1.44	1.83	7.92	4.33	5.8	0.75	3.87	2.68	0.003878	28.06075
1.4	372.33	1.41	1.82	7.68	4.22	5.8	0.73	3.87	2.73	0.002485	17.51376
1.5	372.29	1.37	1.8	7.3	4.06	5.8	0.7	3.87	2.82	0	0
1.6	372.27	1.35	1.73	6.87	3.97	5.8	0.69	3.87	2.87	0	0

1.7	372.2	1.28	1.73	6.45	3.72	5.8	0.64	3.87	3.01	0.00272	16.91715
1.8	372.16	1.24	1.68	5.98	3.56	5.8	0.61	3.87	3.12	0.001276	7.59568
1.9	372.14	1.22	1.61	5.61	3.48	5.8	0.6	3.87	3.17	0.001321	7.69097
2	372.11	1.19	1.56	5.24	3.36	5.8	0.58	3.87	3.25	0.001356	7.62054
2.1	372.07	1.16	1.52	4.9	3.24	5.8	0.56	3.87	3.34	0.001429	7.73263
2.2	372.03	1.12	1.44	4.45	3.08	5.8	0.53	3.87	3.46	0.001522	7.84295
2.3	372	1.08	1.4	4.12	2.95	5.8	0.51	3.87	3.57	0.001602	7.88742
2.4	371.98	1.07	1.38	3.97	2.88	5.8	0.5	3.87	3.63	0.001636	7.86579
2.5	371.97	1.06	1.37	3.89	2.84	5.8	0.49	3.87	3.66	0.001655	7.86614

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8112

MASSIMA PORTATA 9.10 AT TIME 1.2
MASSIMA QUOTA PELO LIBERO 372.44 AT TIME 1.18

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.89	0	0	0	0	0	0	0	0	0	0
0.1	370.89	0	0	0	0	0	0	0	0	0	0
0.2	370.89	0	0	0	0	0	0	0	0	0	0
0.3	370.89	0	0	0	0	0	0	0	0	0	0
0.4	370.89	0	0	0	0	0	0	0	0	0	0
0.5	371.02	0.13	0.21	0.06	0.3	1.27	0.24	1.23	9.18	0.002111	4.83222
0.6	371.55	0.66	0.91	1.29	1.42	3.78	0.38	3.46	5.21	0.002583	9.43567
0.7	371.92	1.03	1.49	3.97	2.66	5.65	0.47	3.88	3.76	0.001187	5.41289
0.8	372.1	1.21	1.76	5.84	3.32	5.65	0.59	3.88	3.2	0.000927	5.28287
0.9	372.22	1.34	1.9	7.16	3.78	5.65	0.67	3.88	2.91	0.000409	2.64702
1	372.3	1.41	1.93	7.75	4.02	5.65	0.71	3.88	2.76	0	0
1.1	372.32	1.43	1.95	8.04	4.13	5.65	0.73	3.88	2.71	0	0
1.2	372.34	1.45	1.93	8.08	4.2	5.65	0.74	3.88	2.67	0.00492	35.3783
1.3	372.32	1.43	1.92	7.9	4.12	5.65	0.73	3.88	2.71	0	0
1.4	372.29	1.4	1.9	7.63	4.01	5.65	0.71	3.88	2.77	0.000341	2.3438
1.5	372.25	1.36	1.87	7.27	3.88	5.65	0.69	3.88	2.85	0.002751	18.2839
1.6	372.23	1.34	1.8	6.85	3.79	5.65	0.67	3.88	2.89	0	0
1.7	372.17	1.28	1.8	6.43	3.57	5.65	0.63	3.88	3.04	0.001061	6.49435
1.8	372.13	1.24	1.73	5.93	3.42	5.65	0.61	3.88	3.13	0.000516	3.02589
1.9	372.11	1.22	1.66	5.56	3.35	5.65	0.59	3.88	3.18	0.000597	3.42461
2	372.08	1.19	1.61	5.2	3.23	5.65	0.57	3.88	3.27	0.000672	3.72005
2.1	372.04	1.16	1.57	4.87	3.1	5.65	0.55	3.88	3.36	0.000792	4.21524
2.2	372	1.12	1.5	4.42	2.95	5.65	0.52	3.88	3.48	0.000959	4.85662
2.3	371.97	1.08	1.45	4.09	2.82	5.65	0.5	3.88	3.6	0.001079	5.21193
2.4	371.95	1.06	1.43	3.93	2.75	5.65	0.49	3.88	3.66	0.001112	5.24079
2.5	371.94	1.05	1.42	3.86	2.72	5.65	0.48	3.88	3.69	0.001156	5.38208

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8205

MASSIMA PORTATA 8.84 AT TIME 1.2
MASSIMA QUOTA PELO LIBERO 372.37 AT TIME 1.18

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.85	0	0	0	0	0	0	0	0	0	0
0.1	370.85	0	0	0	0	0	0	0	0	0	0
0.2	370.85	0	0	0	0	0	0	0	0	0	0
0.3	370.85	0	0	0	0	0	0	0	0	0	0
0.4	370.85	0	0	0	0	0	0	0	0	0	0
0.5	370.96	0.12	0.19	0.05	0.25	0.87	0.28	0.83	7.09	0.002136	5.89236
0.6	371.51	0.66	0.97	1.2	1.23	3.74	0.33	3.48	5.28	0.001402	4.46625
0.7	371.88	1.03	1.64	3.83	2.33	5.15	0.45	3.55	3.44	0	0
0.8	372.07	1.22	1.94	5.68	2.93	5.15	0.57	3.55	2.91	0	0
0.9	372.19	1.34	2.11	6.99	3.32	5.15	0.64	3.55	2.64	0	0
1	372.25	1.4	2.17	7.62	3.52	5.15	0.68	3.55	2.53	0	0
1.1	372.29	1.44	2.18	7.91	3.63	5.15	0.71	3.55	2.47	0	0
1.2	372.3	1.45	2.17	7.98	3.67	5.15	0.71	3.55	2.44	0	0
1.3	372.28	1.43	2.16	7.82	3.62	5.15	0.7	3.55	2.47	0	0
1.4	372.25	1.4	2.15	7.55	3.52	5.15	0.68	3.55	2.53	0	0
1.5	372.22	1.37	2.11	7.19	3.4	5.15	0.66	3.55	2.59	0.002063	13.20952
1.6	372.19	1.35	2.03	6.76	3.33	5.15	0.65	3.55	2.64	0	0
1.7	372.14	1.29	2.01	6.35	3.15	5.15	0.61	3.55	2.74	0	0
1.8	372.1	1.25	1.93	5.84	3.02	5.15	0.59	3.55	2.83	0	0
1.9	372.08	1.23	1.85	5.48	2.96	5.15	0.57	3.55	2.88	0	0
2	372.04	1.2	1.8	5.13	2.85	5.15	0.55	3.55	2.96	0	0
2.1	372.01	1.16	1.75	4.8	2.74	5.15	0.53	3.55	3.05	0	0
2.2	371.97	1.12	1.68	4.38	2.61	5.15	0.51	3.55	3.16	0	0

2.3	371.93	1.09	1.62	4.04	2.49	5.15	0.48	3.55	3.27	0	0
2.4	371.91	1.07	1.6	3.88	2.43	5.15	0.47	3.55	3.33	0	0
2.5	371.9	1.06	1.59	3.8	2.4	5.15	0.46	3.55	3.35	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8297

MASSIMA PORTATA 8.41 AT TIME 1.18
MASSIMA QUOTA PELO LIBERO 372.27 AT TIME 1.21

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.8	0	0	0	0	0	0	0	0	0	0
0.1	370.8	0	0	0	0	0	0	0	0	0	0
0.2	370.8	0	0	0	0	0	0	0	0	0	0
0.3	370.8	0	0	0	0	0	0	0	0	0	0
0.4	370.8	0	0	0	0	0	0	0	0	0	0
0.5	370.9	0.1	0.18	0.03	0.18	0.52	0.35	0.48	4.82	0.004655	15.5763
0.6	371.45	0.65	1.25	1.1	0.87	4.42	0.2	2.96	4.57	0.004473	8.56925
0.7	371.81	1.01	2.12	3.63	1.71	4.42	0.39	2.96	2.92	0.001541	5.78047
0.8	372	1.21	2.52	5.46	2.16	4.42	0.49	2.96	2.45	0	0
0.9	372.12	1.32	2.76	6.77	2.46	4.42	0.56	2.96	2.23	0	0
1	372.18	1.38	2.86	7.44	2.6	4.42	0.59	2.96	2.14	0.000891	5.07878
1.1	372.22	1.42	2.87	7.71	2.69	4.42	0.61	2.96	2.08	0.001744	10.26742
1.2	372.23	1.43	2.88	7.8	2.71	4.42	0.61	2.96	2.06	0	0
1.3	372.22	1.42	2.86	7.65	2.67	4.42	0.6	2.96	2.08	0	0
1.4	372.18	1.39	2.86	7.42	2.6	4.42	0.59	2.96	2.13	0.001936	11.0254
1.5	372.15	1.35	2.79	7.06	2.53	4.42	0.57	2.96	2.19	0.00239	13.23405
1.6	372.13	1.33	2.68	6.65	2.48	4.42	0.56	2.96	2.23	0	0
1.7	372.07	1.28	2.66	6.2	2.33	4.42	0.53	2.96	2.32	0.000096	0.48874
1.8	372.03	1.24	2.55	5.71	2.24	4.42	0.51	2.96	2.39	0.000864	4.24557
1.9	372.02	1.22	2.44	5.38	2.2	4.42	0.5	2.96	2.43	0.002295	11.0904
2	371.98	1.19	2.37	5.04	2.13	4.42	0.48	2.96	2.49	0.002486	11.58267
2.1	371.95	1.15	2.31	4.71	2.04	4.42	0.46	2.96	2.57	0.001989	8.89448
2.2	371.91	1.11	2.22	4.31	1.94	4.42	0.44	2.96	2.66	0.002364	10.07321
2.3	371.87	1.07	2.14	3.97	1.85	4.42	0.42	2.96	2.75	0.002633	10.69381
2.4	371.85	1.06	2.11	3.8	1.8	4.42	0.41	2.96	2.8	0.003212	12.69523
2.5	371.84	1.05	2.09	3.73	1.78	4.42	0.4	2.96	2.83	0.002761	10.76502

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8390

MASSIMA PORTATA 8.48 AT TIME 0.99
MASSIMA QUOTA PELO LIBERO 372.05 AT TIME 1.2

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.76	0	0	0	0	0	0	0	0	0	0
0.1	370.76	0	0	0	0	0	0	0	0	0	0
0.2	370.76	0	0	0	0	0	0	0	0	0	0
0.3	370.76	0	0	0	0	0	0	0	0	0	0
0.4	370.76	0	0	0	0	0	0	0	0	0	0
0.5	370.83	0.07	0.17	0.03	0.16	0.34	0.47	0.29	4	0.00866	39.35719
0.6	371.3	0.54	1.31	1.05	0.8	2.47	0.32	2.07	3.83	0.011055	34.66866
0.7	371.64	0.88	2.33	3.59	1.54	3.68	0.42	2.14	2.43	0.014976	60.77673
0.8	371.81	1.05	2.82	5.43	1.93	3.68	0.52	2.14	2.04	0.015181	77.16566
0.9	371.92	1.16	3.07	6.78	2.21	3.68	0.6	2.14	1.84	0.015298	88.93405
1	371.97	1.22	3.3	7.49	2.27	3.68	0.62	2.14	1.76	0.016957	101.29131
1.1	372	1.24	3.45	7.76	2.25	3.68	0.61	2.14	1.73	0.017215	102.19016
1.2	372.01	1.25	3.47	7.87	2.27	3.68	0.62	2.14	1.72	0.010133	60.53981
1.3	371.99	1.23	3.44	7.71	2.24	3.68	0.61	2.14	1.73	0.020234	119.48405
1.4	371.97	1.21	3.33	7.5	2.25	3.68	0.61	2.14	1.77	0.017118	101.59301
1.5	371.95	1.19	3.21	7.12	2.22	3.68	0.6	2.14	1.8	0.011012	64.3299
1.6	371.94	1.18	3.01	6.74	2.24	3.68	0.61	2.14	1.81	0.016275	96.06654
1.7	371.87	1.12	3.07	6.25	2.04	3.68	0.55	2.14	1.92	0.014305	76.7702
1.8	371.84	1.08	2.88	5.75	1.99	3.68	0.54	2.14	1.97	0.014119	74.17345
1.9	371.84	1.08	2.66	5.44	2.04	3.68	0.56	2.14	1.99	0.013272	71.45035
2	371.81	1.05	2.59	5.1	1.97	3.68	0.54	2.14	2.04	0.010578	54.96556
2.1	371.77	1.01	2.52	4.77	1.89	3.68	0.51	2.14	2.11	0.011276	56.15286
2.2	371.74	0.98	2.4	4.36	1.82	3.68	0.49	2.14	2.18	0.01122	53.65973
2.3	371.7	0.95	2.31	4.01	1.74	3.68	0.47	2.14	2.26	0.01121	51.28268
2.4	371.68	0.93	2.27	3.84	1.69	3.68	0.46	2.14	2.31	0.009702	43.21084
2.5	371.68	0.92	2.26	3.76	1.66	3.68	0.45	2.14	2.33	0.011359	49.706

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8483

MASSIMA PORTATA 10.27 AT TIME 1.21
MASSIMA QUOTA PELO LIBERO 371.98 AT TIME 1.52

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.72	0	0	0	0	0	0	0	0	0	0
0.1	370.72	0	0	0	0	0	0	0	0	0	0
0.2	370.72	0	0	0	0	0	0	0	0	0	0
0.3	370.72	0	0	0	0	0	0	0	0	0	0
0.4	370.72	0	0	0	0	0	0	0	0	0	0
0.5	370.75	0.03	0.09	0.02	0.21	0.94	0.22	0.92	29.94	0.006863	14.67827
0.6	371.17	0.45	0.89	0.99	1.11	3.77	0.29	2.67	5.95	0.008196	23.4066
0.7	371.49	0.78	1.73	3.73	2.16	3.77	0.57	2.67	3.44	0.015297	84.9594
0.8	371.66	0.94	2.09	5.76	2.76	3.77	0.73	2.67	2.84	0.015008	106.56227
0.9	371.78	1.06	2.22	7.13	3.21	3.77	0.85	2.67	2.52	0.017267	142.51483
1	371.79	1.07	2.47	8.14	3.3	3.77	0.88	2.67	2.51	0.016875	143.21642
1.1	371.75	1.04	2.76	8.71	3.15	3.77	0.84	2.67	2.58	0.02167	175.83423
1.2	371.76	1.04	2.87	8.83	3.07	3.77	0.81	2.67	2.57	0.019967	157.72371
1.3	371.75	1.03	2.84	8.63	3.04	3.77	0.81	2.67	2.6	0.020245	158.50424
1.4	371.78	1.06	2.61	8.23	3.15	3.77	0.84	2.67	2.53	0.016769	136.04456
1.5	371.77	1.05	2.38	7.7	3.23	3.77	0.86	2.67	2.54	0.012151	101.08331
1.6	371.8	1.08	2.19	7.3	3.34	3.77	0.89	2.67	2.48	0.015624	134.32068
1.7	371.69	0.97	2.2	6.8	3.1	3.77	0.82	2.67	2.75	0.013806	109.9916
1.8	371.68	0.97	2.07	6.21	3	3.77	0.8	2.67	2.77	0.013531	104.52566
1.9	371.73	1.01	1.93	5.76	2.98	3.77	0.79	2.67	2.65	0.010627	81.51765
2	371.7	0.98	1.89	5.41	2.87	3.77	0.76	2.67	2.73	0.012078	89.09373
2.1	371.66	0.94	1.86	5.05	2.72	3.77	0.72	2.67	2.83	0.011494	80.41246
2.2	371.63	0.92	1.78	4.65	2.61	3.77	0.69	2.67	2.92	0.010834	72.66039
2.3	371.6	0.88	1.72	4.27	2.48	3.77	0.66	2.67	3.02	0.010472	66.75684
2.4	371.58	0.87	1.7	4.09	2.41	3.77	0.64	2.67	3.09	0.009441	58.47137
2.5	371.57	0.85	1.71	4.01	2.35	3.77	0.62	2.67	3.14	0.011011	66.46029

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8576

MASSIMA PORTATA 10.64 AT TIME 1
MASSIMA QUOTA PELO LIBERO 371.92 AT TIME 1

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.68	0	0	0	0	0	0	0	0	0	0
0.1	370.68	0	0	0	0	0	0	0	0	0	0
0.2	370.68	0	0	0	0	0	0	0	0	0	0
0.3	370.68	0	0	0	0	0	0	0	0	0	0
0.4	370.68	0	0	0	0	0	0	0	0	0	0
0.5	370.69	0.02	0.04	0.01	0.02	0.29	0	0.28	0	0.005982	0
0.6	371.16	0.48	0.68	0.94	1.39	3.65	0.38	3.39	7.07	0.001672	6.15438
0.7	371.49	0.81	1.28	3.69	2.87	5.31	0.54	4.87	5.99	0	0
0.8	371.65	0.97	1.53	5.73	3.74	7.75	0.48	5.39	5.54	0.001514	7.08835
0.9	371.76	1.08	1.66	7.13	4.29	7.75	0.55	5.39	4.98	0.005386	28.86599
1	371.79	1.12	1.81	8.21	4.54	7.75	0.59	5.39	4.83	0.001874	10.63219
1.1	371.76	1.08	2.01	9.02	4.49	7.75	0.58	5.39	5	0.004228	23.74881
1.2	371.72	1.04	2.08	9.15	4.39	7.75	0.57	5.39	5.17	0.00726	39.87535
1.3	371.71	1.04	2.05	8.93	4.35	7.75	0.56	5.39	5.2	0	0
1.4	371.74	1.06	1.92	8.45	4.4	7.75	0.57	5.39	5.06	0.000958	5.26926
1.5	371.78	1.1	1.75	7.82	4.47	7.75	0.58	5.39	4.89	0.006976	38.9786
1.6	371.8	1.13	1.65	7.4	4.49	7.75	0.58	5.39	4.79	0.000811	4.55085
1.7	371.76	1.08	1.6	6.84	4.27	7.75	0.55	5.39	4.97	0.002484	13.26223
1.8	371.73	1.05	1.53	6.24	4.08	7.75	0.53	5.39	5.12	0.00252	12.86107
1.9	371.7	1.02	1.48	5.83	3.94	7.75	0.51	5.39	5.26	0.003935	19.3726
2	371.67	1	1.44	5.5	3.81	7.75	0.49	5.39	5.4	0.005406	25.73946
2.1	371.64	0.96	1.41	5.13	3.63	7.75	0.47	5.39	5.62	0.003512	15.95207
2.2	371.61	0.93	1.35	4.69	3.47	7.75	0.45	5.39	5.79	0.002574	11.1573
2.3	371.58	0.9	1.31	4.3	3.27	5.73	0.57	5.24	5.84	0.002612	14.4648
2.4	371.56	0.88	1.29	4.09	3.17	5.64	0.56	5.17	5.87	0.004805	26.16984
2.5	371.54	0.86	1.3	4.01	3.08	5.56	0.55	5.09	5.9	0.002223	11.9387

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8670

MASSIMA PORTATA 10.50 AT TIME 1.02
MASSIMA QUOTA PELO LIBERO 371.89 AT TIME 1.02

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.65	0	0	0	0	0	0	0	0	0	0
0.1	370.65	0	0	0	0	0	0	0	0	0	0
0.2	370.65	0	0	0	0	0	0	0	0	0	0
0.3	370.65	0	0	0	0	0	0	0	0	0	0
0.4	370.65	0	0	0	0	0	0	0	0	0	0
0.5	370.65	0	0	0	0	0	0	0	0	0.008835	0
0.6	371.13	0.48	0.65	0.89	1.37	4.21	0.32	4	8.26	0.001707	5.36736
0.7	371.5	0.85	1.22	3.63	2.98	6.3	0.47	5.93	6.96	0	0
0.8	371.66	1.02	1.49	5.67	3.82	8.4	0.45	6.2	6.1	0.003123	13.76337
0.9	371.74	1.1	1.67	7.11	4.24	8.4	0.51	6.2	5.65	0.001109	5.43061
1	371.8	1.15	1.82	8.24	4.54	8.4	0.54	6.2	5.39	0	0
1.1	371.82	1.17	1.94	9.06	4.68	8.4	0.56	6.2	5.29	0	0
1.2	371.82	1.17	1.96	9.16	4.67	8.4	0.56	6.2	5.31	0	0
1.3	371.81	1.16	1.94	8.96	4.62	8.4	0.55	6.2	5.35	0	0
1.4	371.8	1.15	1.86	8.5	4.56	8.4	0.54	6.2	5.39	0	0
1.5	371.79	1.14	1.76	7.88	4.48	8.4	0.53	6.2	5.44	0.002512	12.97865
1.6	371.77	1.12	1.7	7.45	4.38	8.4	0.52	6.2	5.51	0.000181	0.91478
1.7	371.74	1.09	1.64	6.88	4.21	8.4	0.5	6.2	5.68	0.001267	6.15382
1.8	371.71	1.06	1.55	6.27	4.03	8.4	0.48	6.2	5.86	0.000751	3.49689
1.9	371.68	1.04	1.5	5.86	3.92	8.4	0.47	6.2	5.98	0.003632	16.41337
2	371.67	1.02	1.44	5.52	3.82	8.4	0.45	6.2	6.09	0	0
2.1	371.64	0.99	1.39	5.14	3.69	8.4	0.44	6.2	6.23	0.000528	2.24954
2.2	371.61	0.96	1.33	4.7	3.53	8.4	0.42	6.2	6.42	0	0
2.3	371.58	0.93	1.29	4.31	3.34	8.4	0.4	6.2	6.66	0.00039	1.50415
2.4	371.56	0.91	1.27	4.1	3.24	8.4	0.39	6.2	6.79	0.000943	3.52008
2.5	371.55	0.9	1.26	4.01	3.17	6.56	0.48	6.17	6.87	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8764

MASSIMA PORTATA 10.58 AT TIME 1.02
MASSIMA QUOTA PELO LIBERO 371.85 AT TIME 1.02

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.61	0	0	0	0	0	0	0	0	0	0
0.1	370.61	0	0	0	0	0	0	0	0	0	0
0.2	370.61	0	0	0	0	0	0	0	0	0	0
0.3	370.61	0	0	0	0	0	0	0	0	0	0
0.4	370.61	0	0	0	0	0	0	0	0	0	0
0.5	370.61	0	0	0	0	0	0	0	0	0	0
0.6	371.09	0.48	0.75	0.82	1.09	4.17	0.26	4.06	8.38	0.002098	5.31556
0.7	371.47	0.86	1.35	3.55	2.62	5.95	0.44	4.7	5.48	0.002397	10.24001
0.8	371.63	1.02	1.64	5.63	3.43	5.95	0.58	4.7	4.61	0.004622	25.8343
0.9	371.7	1.09	1.87	7.12	3.81	5.95	0.64	4.7	4.29	0.002026	12.57517
1	371.76	1.15	2.03	8.29	4.09	5.95	0.69	4.7	4.09	0.00166	11.07137
1.1	371.79	1.18	2.13	9.13	4.29	5.95	0.72	4.7	3.97	0.000793	5.53901
1.2	371.79	1.18	2.14	9.21	4.3	5.95	0.72	4.7	3.97	0.001877	13.15172
1.3	371.78	1.18	2.11	9.01	4.27	5.95	0.72	4.7	3.99	0.002303	16.00307
1.4	371.77	1.16	2.06	8.58	4.16	5.95	0.7	4.7	4.05	0.000959	6.50296
1.5	371.75	1.14	1.98	7.99	4.03	5.95	0.68	4.7	4.13	0.000269	1.76535
1.6	371.73	1.12	1.93	7.55	3.92	5.95	0.66	4.7	4.2	0.002239	14.30752
1.7	371.7	1.09	1.84	6.96	3.78	5.95	0.63	4.7	4.31	0.001611	9.91009
1.8	371.67	1.06	1.75	6.33	3.62	5.95	0.61	4.7	4.44	0.001658	9.7671
1.9	371.65	1.04	1.69	5.91	3.51	5.95	0.59	4.7	4.53	0.001346	7.68689
2	371.63	1.02	1.63	5.56	3.41	5.95	0.57	4.7	4.61	0.001252	6.95719
2.1	371.61	1	1.57	5.17	3.29	5.95	0.55	4.7	4.71	0.001817	9.75377
2.2	371.58	0.97	1.51	4.73	3.13	5.95	0.53	4.7	4.86	0.001689	8.61627
2.3	371.54	0.93	1.47	4.32	2.94	5.95	0.49	4.7	5.05	0.001673	8.0102
2.4	371.52	0.91	1.44	4.1	2.84	5.95	0.48	4.7	5.15	0.000841	3.89449
2.5	371.51	0.9	1.43	4.01	2.8	5.95	0.47	4.7	5.2	0.001553	7.09402

CHANNEL HYDROGRAPH FOR ELEMENT NO: 8858

MASSIMA PORTATA 10.48 AT TIME 1.02
MASSIMA QUOTA PELO LIBERO 371.78 AT TIME 1.02

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	370.55	0	0	0	0	0	0	0	0	0	0
0.1	370.55	0	0	0	0	0	0	0	0	0	0
0.2	370.55	0	0	0	0	0	0	0	0	0	0
0.3	370.55	0	0	0	0	0	0	0	0	0	0
0.4	370.55	0	0	0	0	0	0	0	0	0	0
0.5	370.55	0	0	0	0	0	0	0	0	0	0
0.6	371.03	0.48	0.8	0.77	0.96	3.23	0.3	3.08	6.39	0.003076	8.86867
0.7	371.42	0.87	1.46	3.52	2.41	5.83	0.41	5.57	6.39	0.004102	16.41015
0.8	371.58	1.03	1.71	5.61	3.29	8.26	0.4	6.17	5.99	0.002947	11.37576
0.9	371.64	1.1	1.91	7.1	3.72	8.26	0.45	6.17	5.63	0.00283	12.35812
1	371.7	1.15	2.05	8.28	4.04	8.26	0.49	6.17	5.38	0.002029	9.6323
1.1	371.73	1.18	2.13	9.13	4.29	8.26	0.52	6.17	5.21	0.001684	8.48246
1.2	371.74	1.19	2.13	9.21	4.32	8.26	0.52	6.17	5.19	0.000203	1.02701
1.3	371.73	1.18	2.11	9.02	4.28	8.26	0.52	6.17	5.22	0.002932	14.73222
1.4	371.71	1.16	2.08	8.59	4.14	8.26	0.5	6.17	5.31	0.001656	8.03765
1.5	371.68	1.13	2.02	8	3.96	8.26	0.48	6.17	5.44	0.000643	2.99288
1.6	371.66	1.12	1.97	7.55	3.84	8.26	0.47	6.17	5.53	0.003496	15.76129
1.7	371.64	1.09	1.89	6.97	3.69	8.26	0.45	6.17	5.66	0.002073	8.97071
1.8	371.61	1.06	1.81	6.34	3.51	8.26	0.42	6.17	5.81	0.002451	10.09472
1.9	371.59	1.04	1.75	5.92	3.39	8.26	0.41	6.17	5.92	0.000775	3.08226
2	371.57	1.03	1.7	5.57	3.28	8.26	0.4	6.17	6.01	0.002078	7.99571
2.1	371.55	1.01	1.65	5.18	3.14	8.26	0.38	6.17	6.14	0.002814	10.38469
2.2	371.52	0.97	1.62	4.74	2.93	8.26	0.35	6.17	6.33	0.002893	9.94233
2.3	371.49	0.94	1.58	4.33	2.74	6.29	0.44	6	6.39	0.002401	10.13494
2.4	371.47	0.92	1.55	4.11	2.64	6.17	0.43	5.89	6.39	0.001988	8.25067
2.5	371.46	0.92	1.54	4.01	2.6	6.13	0.43	5.85	6.39	0.002711	11.17187

0.5	370.42	0	0	0	0	0	0	0	0	0	0
0.6	370.81	0.39	0.81	0.7	0.86	2.57	0.33	2.45	6.3	0.011307	36.60863
0.7	371.15	0.73	1.75	3.44	1.97	4.83	0.41	4.6	6.3	0.01315	52.0085
0.8	371.29	0.87	2.11	5.58	2.65	5.75	0.46	5.48	6.3	0.013632	60.83229
0.9	371.36	0.94	2.3	7.06	3.07	6.22	0.49	5.93	6.3	0.014885	71.18761
1	371.41	0.99	2.46	8.24	3.36	6.58	0.51	6.27	6.31	0.016785	83.07222
1.1	371.46	1.04	2.52	9.12	3.62	8.71	0.42	6.38	6.13	0.014139	56.92797
1.2	371.46	1.04	2.51	9.24	3.68	8.71	0.42	6.38	6.12	0.014421	59.09353
1.3	371.45	1.04	2.49	9.09	3.66	8.71	0.42	6.38	6.15	0.014311	58.20524
1.4	371.43	1.01	2.47	8.63	3.49	6.67	0.52	6.36	6.32	0.014385	73.02035
1.5	371.4	0.98	2.42	8.04	3.32	6.47	0.51	6.16	6.31	0.014018	69.74936
1.6	371.38	0.96	2.37	7.58	3.2	6.35	0.5	6.06	6.3	0.014081	68.751
1.7	371.36	0.94	2.28	6.99	3.06	6.19	0.49	5.9	6.3	0.01402	67.16789
1.8	371.33	0.91	2.19	6.35	2.9	6.01	0.48	5.73	6.29	0.013999	65.5877
1.9	371.31	0.89	2.12	5.93	2.8	5.89	0.47	5.61	6.3	0.013235	60.89188
2	371.29	0.88	2.07	5.58	2.69	5.8	0.46	5.52	6.3	0.013675	61.48292
2.1	371.27	0.85	2.06	5.19	2.53	5.62	0.45	5.36	6.3	0.013535	58.93673
2.2	371.24	0.82	2.01	4.75	2.36	5.41	0.44	5.16	6.3	0.013425	56.78813
2.3	371.21	0.79	1.93	4.33	2.24	5.25	0.43	5.01	6.3	0.013212	54.60934
2.4	371.2	0.78	1.89	4.11	2.17	5.16	0.42	4.92	6.3	0.013273	54.13319
2.5	371.19	0.78	1.87	4.02	2.14	5.13	0.42	4.88	6.3	0.013195	53.5186

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9139

MASSIMA PORTATA 10.12 AT TIME 1.03
MASSIMA QUOTA PELO LIBERO 371.22 AT TIME 1.21

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.35	0	0	0	0	0	0	0	0	0	0
0.1	370.35	0	0	0	0	0	0	0	0	0	0
0.2	370.35	0	0	0	0	0	0	0	0	0	0
0.3	370.35	0	0	0	0	0	0	0	0	0	0
0.4	370.35	0	0	0	0	0	0	0	0	0	0
0.5	370.35	0	0	0	0	0	0	0	0	0	0
0.6	370.64	0.29	0.62	0.65	1.05	4.07	0.26	4.03	13.86	0.008862	22.06649
0.7	370.93	0.58	1.45	3.4	2.35	6.47	0.36	6.22	10.64	0.010948	38.4964
0.8	371.05	0.7	1.83	5.56	3.04	8.32	0.37	6.6	9.44	0.010991	38.96729
0.9	371.11	0.77	2	7.04	3.51	8.32	0.42	6.6	8.62	0.011946	48.86538
1	371.15	0.81	2.16	8.2	3.8	8.32	0.46	6.6	8.2	0.013042	57.68422
1.1	371.19	0.84	2.26	9.1	4.03	8.32	0.48	6.6	7.86	0.011262	52.82361
1.2	371.21	0.86	2.27	9.42	4.14	8.32	0.5	6.6	7.7	0.011762	56.7446
1.3	371.2	0.85	2.25	9.29	4.12	8.32	0.5	6.6	7.73	0.011003	52.87429
1.4	371.18	0.83	2.2	8.8	4.01	8.32	0.48	6.6	7.91	0.011298	52.72157
1.5	371.16	0.81	2.12	8.14	3.84	8.32	0.46	6.6	8.17	0.011324	50.67498
1.6	371.14	0.79	2.06	7.61	3.69	8.32	0.44	6.6	8.37	0.010891	46.86993
1.7	371.12	0.77	1.97	7	3.55	8.32	0.43	6.6	8.6	0.011015	45.5352
1.8	371.09	0.74	1.88	6.35	3.38	8.32	0.41	6.6	8.87	0.010952	43.08094
1.9	371.08	0.73	1.84	5.93	3.23	8.32	0.39	6.6	9.07	0.010736	40.42821
2	371.06	0.71	1.81	5.58	3.09	8.32	0.37	6.6	9.34	0.011189	40.24454
2.1	371.03	0.68	1.78	5.2	2.92	6.9	0.42	6.57	9.67	0.01081	44.35746
2.2	371	0.65	1.72	4.76	2.77	6.81	0.41	6.5	9.93	0.010594	41.76815
2.3	370.98	0.64	1.64	4.33	2.64	6.74	0.39	6.45	10.14	0.010562	40.1118
2.4	370.97	0.63	1.6	4.11	2.57	6.7	0.38	6.42	10.26	0.010558	39.23293
2.5	370.97	0.62	1.58	4.02	2.54	6.68	0.38	6.41	10.31	0.010355	38.14938

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9234

MASSIMA PORTATA 10.14 AT TIME 1.21
MASSIMA QUOTA PELO LIBERO 371.18 AT TIME 1.21

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.28	0	0	0	0	0	0	0	0	0	0
0.1	370.28	0	0	0	0	0	0	0	0	0	0
0.2	370.28	0	0	0	0	0	0	0	0	0	0
0.3	370.28	0	0	0	0	0	0	0	0	0	0
0.4	370.28	0	0	0	0	0	0	0	0	0	0
0.5	370.28	0	0	0	0	0	0	0	0	0	0
0.6	370.55	0.27	0.55	0.6	1.1	4.36	0.25	4.33	16.04	0.005019	12.23156
0.7	370.87	0.59	1.33	3.37	2.53	6.81	0.37	6.52	10.98	0.004755	17.09613
0.8	370.99	0.71	1.7	5.54	3.25	7.11	0.46	6.7	9.45	0.005016	22.21346
0.9	371.06	0.78	1.88	7.03	3.73	8.59	0.43	6.71	8.58	0.004767	20.07796
1	371.11	0.83	2	8.19	4.09	8.59	0.48	6.71	8.1	0.004334	20.00714

1.1	371.14	0.86	2.1	9.1	4.34	8.59	0.51	6.71	7.78	0.004217	20.65484
1.2	371.16	0.88	2.14	9.51	4.45	8.59	0.52	6.71	7.62	0.004578	22.99052
1.3	371.16	0.88	2.12	9.4	4.44	8.59	0.52	6.71	7.64	0.004063	20.34891
1.4	371.14	0.86	2.05	8.89	4.34	8.59	0.51	6.71	7.78	0.004111	20.13519
1.5	371.12	0.84	1.96	8.21	4.18	8.59	0.49	6.71	8	0.004089	19.28786
1.6	371.09	0.82	1.91	7.64	4.01	8.59	0.47	6.71	8.23	0.003869	17.49787
1.7	371.07	0.79	1.83	7.02	3.83	8.59	0.45	6.71	8.47	0.004444	19.23498
1.8	371.04	0.76	1.76	6.37	3.61	8.59	0.42	6.71	8.79	0.00457	18.64758
1.9	371.02	0.74	1.73	5.94	3.44	8.59	0.4	6.71	9.1	0.004677	18.1543
2	370.99	0.71	1.69	5.59	3.3	7.13	0.46	6.71	9.38	0.004776	21.45034
2.1	370.97	0.69	1.64	5.2	3.17	7.07	0.45	6.67	9.64	0.004326	18.76883
2.2	370.95	0.67	1.58	4.76	3.02	7.02	0.43	6.64	9.9	0.00441	18.41122
2.3	370.93	0.65	1.51	4.34	2.88	6.96	0.41	6.61	10.16	0.004568	18.29754
2.4	370.92	0.64	1.47	4.11	2.8	6.93	0.4	6.59	10.31	0.00459	17.95679
2.5	370.91	0.63	1.45	4.02	2.76	6.92	0.4	6.58	10.38	0.004485	17.37103

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9329

MASSIMA PORTATA 10.22 AT TIME 1.21
 MASSIMA QUOTA PELO LIBERO 371.13 AT TIME 1.03

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.22	0	0	0	0	0	0	0	0	0	0
0.1	370.22	0	0	0	0	0	0	0	0	0	0
0.2	370.22	0	0	0	0	0	0	0	0	0	0
0.3	370.22	0	0	0	0	0	0	0	0	0	0
0.4	370.22	0	0	0	0	0	0	0	0	0	0
0.5	370.22	0	0	0	0	0	0	0	0	0	0
0.6	370.46	0.24	0.5	0.55	1.11	4.26	0.26	4.23	17.26	0.005355	13.52253
0.7	370.81	0.59	1.28	3.33	2.6	6.94	0.38	6.61	11.23	0.004857	17.67334
0.8	370.93	0.71	1.64	5.53	3.37	7.19	0.47	6.69	9.45	0.005359	24.37743
0.9	371	0.78	1.83	7.01	3.82	8.78	0.44	6.72	8.64	0.004982	21.02704
1	371.06	0.84	1.94	8.21	4.23	8.78	0.48	6.72	8.02	0.00428	20.00269
1.1	371.1	0.88	2.01	9.13	4.55	8.78	0.52	6.72	7.65	0.004308	21.6199
1.2	371.11	0.89	2.06	9.6	4.66	8.78	0.53	6.72	7.52	0.004594	23.6445
1.3	371.11	0.89	2.05	9.51	4.65	8.78	0.53	6.72	7.54	0.003996	20.50907
1.4	371.1	0.88	1.98	8.99	4.53	8.78	0.52	6.72	7.65	0.004571	22.88113
1.5	371.07	0.85	1.91	8.3	4.34	8.78	0.49	6.72	7.87	0.004565	21.85367
1.6	371.05	0.83	1.86	7.71	4.14	8.78	0.47	6.72	8.12	0.004532	20.69891
1.7	371.02	0.8	1.79	7.08	3.95	8.78	0.45	6.72	8.41	0.005024	21.89734
1.8	370.98	0.76	1.72	6.39	3.71	8.78	0.42	6.72	8.82	0.005049	20.65145
1.9	370.95	0.74	1.68	5.95	3.55	7.25	0.49	6.71	9.12	0.004834	22.92546
2	370.94	0.72	1.63	5.59	3.44	7.22	0.48	6.7	9.32	0.004745	21.90282
2.1	370.92	0.7	1.57	5.21	3.31	7.17	0.46	6.69	9.55	0.004571	20.4236
2.2	370.9	0.68	1.51	4.77	3.16	7.13	0.44	6.67	9.84	0.00465	19.97991
2.3	370.87	0.66	1.44	4.34	3	7.08	0.42	6.66	10.15	0.004772	19.63067
2.4	370.86	0.64	1.41	4.11	2.92	7.05	0.41	6.65	10.34	0.00477	19.13731
2.5	370.86	0.64	1.39	4.02	2.88	7.04	0.41	6.64	10.42	0.00469	18.61528

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9424

MASSIMA PORTATA 10.18 AT TIME 1.21
 MASSIMA QUOTA PELO LIBERO 371.07 AT TIME 1.21

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.16	0	0	0	0	0	0	0	0	0	0
0.1	370.16	0	0	0	0	0	0	0	0	0	0
0.2	370.16	0	0	0	0	0	0	0	0	0	0
0.3	370.16	0	0	0	0	0	0	0	0	0	0
0.4	370.16	0	0	0	0	0	0	0	0	0	0
0.5	370.16	0	0	0	0	0	0	0	0	0	0
0.6	370.38	0.22	0.45	0.51	1.13	4.29	0.26	4.27	19.43	0.005349	13.64446
0.7	370.73	0.57	1.24	3.29	2.66	7.06	0.38	6.71	11.67	0.005093	18.58257
0.8	370.86	0.7	1.59	5.53	3.48	7.33	0.48	6.78	9.67	0.005299	24.39783
0.9	370.92	0.77	1.78	7	3.94	7.46	0.53	6.82	8.91	0.004956	25.35042
1	370.98	0.83	1.9	8.2	4.32	9.05	0.48	6.83	8.27	0.00514	23.76264
1.1	371.04	0.88	1.95	9.12	4.67	9.05	0.52	6.83	7.77	0.00487	24.37147
1.2	371.06	0.9	2	9.6	4.81	9.05	0.53	6.83	7.61	0.005015	25.83588
1.3	371.05	0.9	1.98	9.51	4.8	9.05	0.53	6.83	7.62	0.004422	22.71881
1.4	371.03	0.88	1.94	8.99	4.65	9.05	0.51	6.83	7.8	0.00537	26.72905
1.5	371	0.84	1.89	8.31	4.4	9.05	0.49	6.83	8.13	0.005341	25.1889
1.6	370.97	0.81	1.84	7.71	4.19	9.05	0.46	6.83	8.44	0.005318	23.87578

1.7	370.94	0.78	1.77	7.09	4.01	9.05	0.44	6.83	8.73	0.005233	22.48118
1.8	370.9	0.75	1.69	6.39	3.78	7.42	0.51	6.81	9.12	0.005167	25.54379
1.9	370.88	0.73	1.63	5.95	3.64	7.38	0.49	6.8	9.36	0.004997	23.92369
2	370.87	0.71	1.59	5.6	3.53	7.34	0.48	6.79	9.56	0.004992	23.27601
2.1	370.85	0.69	1.53	5.21	3.4	7.3	0.47	6.78	9.81	0.004965	22.40174
2.2	370.83	0.67	1.47	4.77	3.25	7.26	0.45	6.76	10.11	0.004966	21.55356
2.3	370.8	0.65	1.41	4.34	3.09	7.21	0.43	6.75	10.45	0.004986	20.70488
2.4	370.79	0.63	1.37	4.11	3	7.18	0.42	6.74	10.65	0.004994	20.22281
2.5	370.79	0.63	1.36	4.02	2.96	7.17	0.41	6.74	10.74	0.004927	19.72972

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9519

MASSIMA PORTATA 10.14 AT TIME 1.21
MASSIMA QUOTA PELO LIBERO 371 AT TIME 1.21

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.1	0	0	0	0	0	0	0	0	0	0
0.1	370.1	0	0	0	0	0	0	0	0	0	0
0.2	370.1	0	0	0	0	0	0	0	0	0	0
0.3	370.1	0	0	0	0	0	0	0	0	0	0
0.4	370.1	0	0	0	0	0	0	0	0	0	0
0.5	370.1	0	0	0	0	0	0	0	0	0	0
0.6	370.29	0.2	0.4	0.46	1.14	4.17	0.27	4.15	21.22	0.005271	13.99357
0.7	370.66	0.56	1.2	3.25	2.71	7.19	0.38	6.81	12.12	0.004919	17.95175
0.8	370.79	0.69	1.54	5.52	3.57	7.46	0.48	6.88	9.91	0.004692	21.78279
0.9	370.86	0.76	1.73	6.99	4.05	7.6	0.53	6.91	9.05	0.004629	23.89943
1	370.91	0.81	1.86	8.2	4.4	9.32	0.47	6.94	8.52	0.00501	22.94983
1.1	370.96	0.87	1.93	9.12	4.73	9.32	0.51	6.94	8.01	0.005241	25.76898
1.2	370.98	0.89	1.97	9.59	4.87	9.32	0.52	6.94	7.82	0.005311	26.91213
1.3	370.98	0.88	1.96	9.52	4.86	9.32	0.52	6.94	7.84	0.004896	24.74723
1.4	370.96	0.86	1.91	9	4.71	9.32	0.5	6.94	8.04	0.005307	25.97908
1.5	370.92	0.82	1.86	8.32	4.46	9.32	0.48	6.94	8.41	0.004988	23.1651
1.6	370.89	0.8	1.81	7.71	4.27	7.67	0.56	6.93	8.71	0.004951	26.72664
1.7	370.87	0.77	1.73	7.09	4.09	7.62	0.54	6.92	8.98	0.00488	25.42778
1.8	370.84	0.74	1.65	6.4	3.88	7.55	0.51	6.9	9.33	0.004831	24.04328
1.9	370.82	0.72	1.59	5.95	3.73	7.51	0.5	6.89	9.59	0.004867	23.44618
2	370.8	0.7	1.55	5.61	3.62	7.48	0.48	6.88	9.8	0.004812	22.58376
2.1	370.78	0.68	1.5	5.21	3.48	7.43	0.47	6.87	10.06	0.004816	21.86484
2.2	370.76	0.66	1.44	4.78	3.33	7.39	0.45	6.86	10.38	0.00481	21.01022
2.3	370.73	0.64	1.37	4.34	3.16	7.34	0.43	6.85	10.75	0.0048	20.06024
2.4	370.72	0.62	1.34	4.12	3.07	7.31	0.42	6.84	10.97	0.004825	19.65879
2.5	370.72	0.62	1.32	4.02	3.03	7.3	0.42	6.84	11.06	0.004778	19.25169

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9614

MASSIMA PORTATA 10.08 AT TIME 1.21
MASSIMA QUOTA PELO LIBERO 370.93 AT TIME 1.22

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.04	0	0	0	0	0	0	0	0	0	0
0.1	370.04	0	0	0	0	0	0	0	0	0	0
0.2	370.04	0	0	0	0	0	0	0	0	0	0
0.3	370.04	0	0	0	0	0	0	0	0	0	0
0.4	370.04	0	0	0	0	0	0	0	0	0	0
0.5	370.04	0	0	0	0	0	0	0	0	0	0
0.6	370.21	0.17	0.36	0.41	1.14	4.14	0.28	4.13	23.75	0.005186	13.8722
0.7	370.59	0.55	1.18	3.2	2.72	7.23	0.38	6.84	12.45	0.004858	17.72552
0.8	370.73	0.69	1.52	5.51	3.63	7.53	0.48	6.94	10.09	0.00451	21.07999
0.9	370.79	0.76	1.7	6.98	4.11	7.67	0.54	6.99	9.23	0.00467	24.2606
1	370.85	0.81	1.83	8.2	4.48	7.78	0.58	7.02	8.69	0.004893	27.29819
1.1	370.89	0.85	1.92	9.11	4.75	9.53	0.5	7.04	8.29	0.005327	25.7549
1.2	370.91	0.87	1.96	9.59	4.9	9.53	0.51	7.04	8.09	0.00537	26.74013
1.3	370.91	0.87	1.95	9.52	4.89	9.53	0.51	7.04	8.1	0.005035	25.02512
1.4	370.89	0.85	1.9	9.01	4.74	9.53	0.5	7.04	8.31	0.005004	24.11749
1.5	370.85	0.81	1.84	8.32	4.53	7.8	0.58	7.03	8.62	0.004758	26.78927
1.6	370.83	0.79	1.78	7.72	4.34	7.74	0.56	7.01	8.88	0.004707	25.59257
1.7	370.8	0.76	1.71	7.1	4.16	7.69	0.54	6.99	9.15	0.004799	25.18867
1.8	370.77	0.73	1.62	6.4	3.94	7.62	0.52	6.97	9.51	0.004777	23.94222
1.9	370.75	0.71	1.57	5.95	3.79	7.58	0.5	6.95	9.78	0.004838	23.46516
2	370.73	0.7	1.53	5.61	3.68	7.54	0.49	6.94	9.99	0.00474	22.3994
2.1	370.71	0.67	1.47	5.21	3.54	7.5	0.47	6.93	10.27	0.004761	21.75572
2.2	370.69	0.65	1.41	4.79	3.38	7.45	0.45	6.91	10.59	0.004743	20.85965

2.3	370.67	0.63	1.35	4.35	3.21	7.4	0.43	6.9	10.97	0.004723	19.86288
2.4	370.65	0.62	1.32	4.12	3.12	7.37	0.42	6.89	11.19	0.004753	19.48397
2.5	370.65	0.61	1.31	4.02	3.08	7.36	0.42	6.88	11.29	0.00473	19.17033

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9709

MASSIMA PORTATA 10.02 AT TIME 1.21
MASSIMA QUOTA PELO LIBERO 370.85 AT TIME 1.22

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.98	0	0	0	0	0	0	0	0	0	0
0.1	369.98	0	0	0	0	0	0	0	0	0	0
0.2	369.98	0	0	0	0	0	0	0	0	0	0
0.3	369.98	0	0	0	0	0	0	0	0	0	0
0.4	369.98	0	0	0	0	0	0	0	0	0	0
0.5	369.98	0	0	0	0	0	0	0	0	0	0
0.6	370.13	0.15	0.32	0.36	1.12	3.91	0.29	3.9	25.5	0.00533	14.82492
0.7	370.51	0.54	1.15	3.16	2.74	7.32	0.37	6.93	12.93	0.005007	18.14722
0.8	370.66	0.68	1.49	5.49	3.69	7.62	0.48	7.02	10.35	0.004809	22.54117
0.9	370.73	0.75	1.67	6.97	4.18	7.77	0.54	7.07	9.44	0.004857	25.34081
1	370.78	0.8	1.8	8.2	4.56	7.88	0.58	7.1	8.86	0.004998	28.06153
1.1	370.82	0.84	1.89	9.11	4.83	7.96	0.61	7.13	8.5	0.005234	30.78162
1.2	370.84	0.86	1.93	9.59	4.97	8	0.62	7.14	8.32	0.005278	31.80869
1.3	370.83	0.86	1.92	9.52	4.97	8	0.62	7.14	8.33	0.005015	30.17882
1.4	370.81	0.84	1.87	9.01	4.82	7.96	0.61	7.13	8.52	0.004928	28.93359
1.5	370.79	0.81	1.8	8.33	4.62	7.9	0.59	7.11	8.79	0.004907	27.84126
1.6	370.76	0.78	1.74	7.72	4.43	7.84	0.56	7.09	9.06	0.004837	26.46113
1.7	370.73	0.76	1.68	7.11	4.24	7.79	0.54	7.07	9.35	0.004919	25.9831
1.8	370.7	0.72	1.6	6.41	4.01	7.72	0.52	7.05	9.73	0.00491	24.74049
1.9	370.68	0.7	1.54	5.95	3.86	7.67	0.5	7.04	10.01	0.005006	24.3921
2	370.66	0.69	1.5	5.62	3.74	7.64	0.49	7.03	10.23	0.004868	23.10543
2.1	370.64	0.67	1.45	5.22	3.6	7.6	0.47	7.02	10.53	0.004895	22.45851
2.2	370.62	0.64	1.39	4.79	3.44	7.55	0.46	7	10.87	0.004868	21.49178
2.3	370.6	0.62	1.33	4.35	3.26	7.5	0.44	6.99	11.28	0.004848	20.45077
2.4	370.58	0.61	1.3	4.12	3.17	7.47	0.42	6.98	11.51	0.004879	20.04894
2.5	370.58	0.6	1.29	4.02	3.12	7.46	0.42	6.97	11.62	0.004858	19.73193

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9804

MASSIMA PORTATA 9.99 AT TIME 1.21
MASSIMA QUOTA PELO LIBERO 370.78 AT TIME 1.22

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.92	0	0	0	0	0	0	0	0	0	0
0.1	369.92	0	0	0	0	0	0	0	0	0	0
0.2	369.92	0	0	0	0	0	0	0	0	0	0
0.3	369.92	0	0	0	0	0	0	0	0	0	0
0.4	369.92	0	0	0	0	0	0	0	0	0	0
0.5	369.92	0	0	0	0	0	0	0	0	0	0
0.6	370.05	0.13	0.28	0.31	1.1	3.75	0.29	3.74	28.61	0.005398	15.33406
0.7	370.44	0.52	1.12	3.11	2.79	7.44	0.37	7.03	13.49	0.005001	18.17061
0.8	370.59	0.67	1.45	5.48	3.78	7.75	0.49	7.12	10.65	0.004779	22.59337
0.9	370.66	0.74	1.62	6.96	4.29	7.9	0.54	7.16	9.68	0.004856	25.5715
1	370.71	0.79	1.75	8.19	4.69	8.01	0.59	7.19	9.05	0.004953	28.10526
1.1	370.75	0.83	1.83	9.1	4.97	8.09	0.61	7.21	8.67	0.004945	29.41984
1.2	370.77	0.85	1.87	9.59	5.12	8.14	0.63	7.22	8.47	0.004985	30.42397
1.3	370.77	0.85	1.86	9.52	5.12	8.13	0.63	7.22	8.48	0.004809	29.32066
1.4	370.75	0.83	1.82	9.02	4.96	8.09	0.61	7.21	8.68	0.004842	28.78252
1.5	370.72	0.8	1.75	8.34	4.76	8.03	0.59	7.2	8.96	0.004868	27.95634
1.6	370.69	0.78	1.7	7.72	4.55	7.97	0.57	7.18	9.26	0.00478	26.4378
1.7	370.67	0.75	1.63	7.12	4.36	7.92	0.55	7.16	9.56	0.00487	26.00918
1.8	370.63	0.72	1.55	6.41	4.12	7.85	0.53	7.15	9.97	0.004873	24.81238
1.9	370.61	0.69	1.5	5.96	3.96	7.81	0.51	7.13	10.27	0.004995	24.5915
2	370.6	0.68	1.46	5.62	3.84	7.77	0.49	7.12	10.51	0.004832	23.17502
2.1	370.58	0.66	1.41	5.22	3.69	7.73	0.48	7.11	10.82	0.004869	22.5639
2.2	370.55	0.63	1.36	4.8	3.53	7.68	0.46	7.1	11.18	0.004837	21.5782
2.3	370.53	0.61	1.3	4.36	3.35	7.63	0.44	7.08	11.62	0.004825	20.55756
2.4	370.51	0.6	1.27	4.12	3.25	7.6	0.43	7.07	11.87	0.004854	20.14758
2.5	370.51	0.59	1.25	4.02	3.21	7.59	0.42	7.07	11.99	0.004836	19.83562

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9899

MASSIMA		9.97	AT TIME	1.22							
MASSIMA	PORTATA QUOTA PELO LIBERO	370.72	AT TIME	1.22							
TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.86	0	0	0	0	0	0	0	0	0	0
0.1	369.86	0	0	0	0	0	0	0	0	0	0
0.2	369.86	0	0	0	0	0	0	0	0	0	0
0.3	369.86	0	0	0	0	0	0	0	0	0	0
0.4	369.86	0	0	0	0	0	0	0	0	0	0
0.5	369.86	0	0	0	0	0	0	0	0	0	0
0.6	369.97	0.11	0.24	0.25	1.05	3.55	0.3	3.54	32.67	0.005319	15.23648
0.7	370.37	0.51	1.09	3.06	2.81	7.57	0.37	7.13	14.04	0.004913	17.66727
0.8	370.52	0.66	1.42	5.47	3.84	7.89	0.49	7.21	10.93	0.004689	22.13526
0.9	370.59	0.73	1.59	6.94	4.37	8.04	0.54	7.25	9.9	0.004771	25.11896
1	370.65	0.79	1.71	8.19	4.78	8.15	0.59	7.28	9.23	0.004813	27.35358
1.1	370.69	0.83	1.79	9.09	5.07	8.23	0.62	7.3	8.82	0.004749	28.33201
1.2	370.71	0.85	1.83	9.58	5.24	8.28	0.63	7.31	8.61	0.00478	29.29647
1.3	370.71	0.85	1.82	9.53	5.23	8.28	0.63	7.31	8.61	0.00468	28.67397
1.4	370.69	0.83	1.78	9.02	5.07	8.23	0.62	7.3	8.83	0.00468	27.93366
1.5	370.66	0.8	1.72	8.35	4.86	8.17	0.59	7.29	9.12	0.004745	27.34497
1.6	370.63	0.77	1.66	7.72	4.64	8.11	0.57	7.27	9.45	0.004659	25.81153
1.7	370.6	0.74	1.6	7.12	4.45	8.06	0.55	7.26	9.76	0.004745	25.3843
1.8	370.57	0.71	1.53	6.42	4.2	7.99	0.53	7.24	10.2	0.004758	24.25197
1.9	370.55	0.69	1.48	5.96	4.04	7.94	0.51	7.23	10.51	0.004895	24.10761
2	370.53	0.67	1.44	5.63	3.91	7.91	0.49	7.22	10.76	0.004726	22.67368
2.1	370.51	0.65	1.39	5.22	3.76	7.87	0.48	7.21	11.09	0.004767	22.09171
2.2	370.49	0.63	1.34	4.8	3.6	7.82	0.46	7.2	11.47	0.004732	21.11165
2.3	370.46	0.6	1.28	4.36	3.41	7.77	0.44	7.18	11.94	0.004732	20.1493
2.4	370.45	0.59	1.25	4.12	3.31	7.74	0.43	7.17	12.21	0.004753	19.70719
2.5	370.44	0.58	1.23	4.02	3.26	7.72	0.42	7.17	12.34	0.004742	19.42643

CHANNEL HYDROGRAPH FOR ELEMENT NO: 9994

MASSIMA	PORTATA	9.95	AT TIME	1.22							
MASSIMA	QUOTA PELO LIBERO	370.66	AT TIME	1.22							
TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.8	0	0	0	0	0	0	0	0	0	0
0.1	369.8	0	0	0	0	0	0	0	0	0	0
0.2	369.8	0	0	0	0	0	0	0	0	0	0
0.3	369.8	0	0	0	0	0	0	0	0	0	0
0.4	369.8	0	0	0	0	0	0	0	0	0	0
0.5	369.8	0	0	0	0	0	0	0	0	0	0
0.6	369.88	0.09	0.2	0.19	0.98	3	0.33	2.99	34.95	0.005312	16.79452
0.7	370.29	0.49	1.06	3.01	2.84	7.65	0.37	7.2	14.55	0.004844	17.40987
0.8	370.45	0.65	1.39	5.45	3.92	7.97	0.49	7.25	11.13	0.004634	22.06232
0.9	370.52	0.73	1.55	6.93	4.46	8.12	0.55	7.28	10.04	0.004729	25.14296
1	370.58	0.78	1.67	8.18	4.89	8.24	0.59	7.3	9.32	0.004706	27.06709
1.1	370.62	0.82	1.75	9.09	5.19	8.32	0.62	7.31	8.88	0.004622	27.95055
1.2	370.65	0.85	1.78	9.58	5.38	8.37	0.64	7.32	8.64	0.004633	28.8349
1.3	370.65	0.85	1.77	9.53	5.38	8.37	0.64	7.32	8.64	0.004585	28.54575
1.4	370.62	0.82	1.73	9.03	5.2	8.33	0.63	7.31	8.87	0.004566	27.67245
1.5	370.59	0.8	1.68	8.36	4.98	8.26	0.6	7.3	9.18	0.004666	27.27697
1.6	370.56	0.76	1.63	7.72	4.75	8.2	0.58	7.29	9.54	0.004576	25.6641
1.7	370.54	0.74	1.57	7.13	4.55	8.15	0.56	7.28	9.87	0.004646	25.16679
1.8	370.5	0.7	1.49	6.42	4.3	8.08	0.53	7.27	10.33	0.004669	24.06637
1.9	370.48	0.68	1.45	5.96	4.13	8.03	0.51	7.26	10.67	0.00481	23.94617
2	370.46	0.66	1.41	5.63	4	8	0.5	7.26	10.94	0.00464	22.49635
2.1	370.44	0.64	1.36	5.23	3.84	7.95	0.48	7.25	11.29	0.004685	21.94332
2.2	370.42	0.62	1.31	4.81	3.68	7.91	0.47	7.24	11.69	0.00464	20.91945
2.3	370.39	0.59	1.25	4.36	3.49	7.86	0.44	7.23	12.19	0.004651	20.00944
2.4	370.38	0.58	1.22	4.13	3.38	7.83	0.43	7.23	12.48	0.004663	19.5261
2.5	370.37	0.57	1.21	4.02	3.33	7.81	0.43	7.22	12.61	0.004656	19.25700

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10089

MASSIMA	PORTATA	9.92	AT TIME	1.22
MASSIMA	QUOTA PELO LIBERO	370.59	AT TIME	1.22

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.73	0	0	0	0	0	0	0	0	0	0
0.1	369.73	0	0	0	0	0	0	0	0	0	0
0.2	369.73	0	0	0	0	0	0	0	0	0	0
0.3	369.73	0	0	0	0	0	0	0	0	0	0
0.4	369.73	0	0	0	0	0	0	0	0	0	0
0.5	369.73	0	0	0	0	0	0	0	0	0	0
0.6	369.79	0.06	0.14	0.12	0.89	2.56	0.35	2.56	42.86	0.005578	18.85936
0.7	370.21	0.48	1.02	2.94	2.88	7.79	0.37	7.3	15.08	0.004851	17.40191
0.8	370.38	0.65	1.35	5.43	4.01	8.12	0.49	7.35	11.36	0.004652	22.27877
0.9	370.45	0.72	1.51	6.91	4.57	8.27	0.55	7.38	10.21	0.004744	25.40405
1	370.51	0.78	1.63	8.18	5.03	8.39	0.6	7.39	9.45	0.004645	26.97246
1.1	370.55	0.83	1.69	9.07	5.36	8.48	0.63	7.41	8.98	0.004538	27.77493
1.2	370.58	0.85	1.72	9.57	5.56	8.53	0.65	7.42	8.71	0.004507	28.45343
1.3	370.58	0.85	1.71	9.53	5.57	8.53	0.65	7.42	8.71	0.004503	28.46907
1.4	370.56	0.83	1.68	9.04	5.38	8.49	0.63	7.41	8.95	0.004492	27.6045
1.5	370.52	0.8	1.63	8.37	5.15	8.42	0.61	7.4	9.29	0.004631	27.42702
1.6	370.49	0.76	1.58	7.72	4.88	8.36	0.58	7.39	9.68	0.004547	25.75887
1.7	370.47	0.74	1.52	7.14	4.69	8.3	0.56	7.38	10.01	0.004617	25.26038
1.8	370.43	0.7	1.46	6.43	4.42	8.23	0.54	7.37	10.5	0.004647	24.16648
1.9	370.41	0.68	1.41	5.97	4.24	8.18	0.52	7.36	10.86	0.004787	24.03405
2	370.39	0.66	1.37	5.64	4.11	8.15	0.5	7.35	11.13	0.004627	22.62015
2.1	370.37	0.64	1.32	5.23	3.95	8.1	0.49	7.35	11.5	0.004676	22.08372
2.2	370.34	0.62	1.27	4.82	3.78	8.06	0.47	7.34	11.91	0.004624	21.02816
2.3	370.32	0.59	1.22	4.37	3.58	8	0.45	7.33	12.43	0.004645	20.15043
2.4	370.3	0.58	1.19	4.13	3.47	7.97	0.44	7.33	12.74	0.004647	19.62758
2.5	370.3	0.57	1.17	4.02	3.43	7.96	0.43	7.32	12.88	0.004644	19.36997

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10183

MASSIMA PORTATA 9.90 AT TIME 1.22
MASSIMA QUOTA PELO LIBERO 370.52 AT TIME 1.22

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.66	0	0	0	0	0	0	0	0	0	0
0.1	369.66	0	0	0	0	0	0	0	0	0	0
0.2	369.66	0	0	0	0	0	0	0	0	0	0
0.3	369.66	0	0	0	0	0	0	0	0	0	0
0.4	369.66	0	0	0	0	0	0	0	0	0	0
0.5	369.66	0	0	0	0	0	0	0	0	0	0
0.6	369.69	0.04	0.08	0.05	0.64	1.67	0.39	1.67	47.52	0.0067	25.03015
0.7	370.13	0.47	0.99	2.87	2.89	7.89	0.37	7.39	15.79	0.004686	16.6237
0.8	370.3	0.64	1.33	5.41	4.07	8.24	0.49	7.45	11.68	0.004498	21.54509
0.9	370.37	0.71	1.48	6.89	4.65	8.39	0.55	7.47	10.45	0.004562	24.49945
1	370.44	0.78	1.59	8.17	5.14	8.52	0.6	7.49	9.63	0.004389	25.64579
1.1	370.48	0.82	1.65	9.06	5.49	8.61	0.64	7.5	9.11	0.00426	26.32475
1.2	370.51	0.85	1.67	9.57	5.72	8.67	0.66	7.51	8.82	0.004187	26.7696
1.3	370.51	0.85	1.66	9.54	5.74	8.67	0.66	7.51	8.8	0.004221	27.05506
1.4	370.49	0.83	1.63	9.04	5.53	8.62	0.64	7.51	9.07	0.004239	26.35896
1.5	370.45	0.8	1.59	8.38	5.28	8.56	0.62	7.5	9.43	0.004411	26.39259
1.6	370.42	0.76	1.55	7.72	4.99	8.48	0.59	7.48	9.87	0.004352	24.80936
1.7	370.39	0.73	1.49	7.16	4.79	8.43	0.57	7.48	10.21	0.004427	24.36676
1.8	370.35	0.69	1.43	6.44	4.5	8.35	0.54	7.46	10.74	0.00446	23.29301
1.9	370.33	0.67	1.38	5.97	4.31	8.3	0.52	7.46	11.12	0.004583	23.08598
2	370.31	0.65	1.35	5.64	4.18	8.27	0.51	7.45	11.41	0.004458	21.85489
2.1	370.29	0.63	1.3	5.24	4.02	8.22	0.49	7.44	11.8	0.004508	21.34322
2.2	370.27	0.61	1.25	4.83	3.85	8.18	0.47	7.44	12.23	0.004459	20.32821
2.3	370.24	0.58	1.2	4.37	3.64	8.12	0.45	7.43	12.78	0.004485	19.49398
2.4	370.22	0.57	1.17	4.13	3.53	8.09	0.44	7.42	13.1	0.004481	18.95566
2.5	370.22	0.56	1.16	4.03	3.48	8.08	0.43	7.42	13.26	0.00448	18.70635

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10278

MASSIMA PORTATA 9.88 AT TIME 1.22
MASSIMA QUOTA PELO LIBERO 370.46 AT TIME 1.22

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	369.59	0	0	0	0	0	0	0	0	0	0
0.1	369.59	0	0	0	0	0	0	0	0	0	0
0.2	369.59	0	0	0	0	0	0	0	0	0	0
0.3	369.59	0	0	0	0	0	0	0	0	0	0
0.4	369.59	0	0	0	0	0	0	0	0	0	0
0.5	369.59	0	0	0	0	0	0	0	0	0	0
0.6	369.6	0.02	0.03	0.01	0.02	0.74	0	0.74	0	0.009957	0
0.7	370.05	0.46	0.98	2.8	2.87	7.99	0.36	7.49	16.28	0.004505	15.67788
0.8	370.22	0.64	1.31	5.4	4.1	8.34	0.49	7.54	11.86	0.004317	20.58141
0.9	370.3	0.71	1.46	6.87	4.71	8.5	0.55	7.57	10.58	0.004354	23.35579
1	370.37	0.78	1.56	8.16	5.22	8.64	0.6	7.59	9.71	0.004115	24.1168
1.1	370.42	0.83	1.61	9.05	5.61	8.74	0.64	7.6	9.16	0.003977	24.75775
1.2	370.45	0.86	1.63	9.56	5.87	8.8	0.67	7.61	8.83	0.003863	24.95576
1.3	370.45	0.86	1.62	9.54	5.89	8.81	0.67	7.61	8.8	0.003926	25.45654
1.4	370.42	0.84	1.6	9.05	5.67	8.75	0.65	7.6	9.09	0.003973	24.94044
1.5	370.39	0.8	1.55	8.39	5.4	8.68	0.62	7.59	9.47	0.004164	25.0907
1.6	370.35	0.76	1.52	7.72	5.07	8.6	0.59	7.58	9.95	0.004136	23.65025
1.7	370.32	0.73	1.47	7.17	4.86	8.54	0.57	7.57	10.31	0.004214	23.2505
1.8	370.28	0.7	1.41	6.44	4.56	8.46	0.54	7.56	10.87	0.004261	22.25244
1.9	370.26	0.67	1.37	5.98	4.37	8.41	0.52	7.55	11.26	0.00436	21.93286
2	370.24	0.65	1.34	5.65	4.23	8.38	0.5	7.55	11.56	0.004273	20.90808
2.1	370.22	0.63	1.29	5.24	4.06	8.33	0.49	7.54	11.96	0.004323	20.41409
2.2	370.2	0.61	1.24	4.83	3.89	8.29	0.47	7.53	12.4	0.004276	19.44075
2.3	370.17	0.58	1.19	4.37	3.68	8.23	0.45	7.53	12.97	0.004302	18.63491
2.4	370.15	0.57	1.16	4.13	3.57	8.2	0.43	7.52	13.3	0.004299	18.11888
2.5	370.15	0.56	1.15	4.03	3.51	8.19	0.43	7.52	13.46	0.004306	17.90812

0.5	369.47	0	0	0	0	0	0	0	0	0	0
0.6	369.47	0	0	0	0	0	0	0	0	0	0
0.7	369.89	0.43	0.91	2.63	2.88	8.06	0.36	7.6	17.84	0.004729	16.38117
0.8	370.09	0.62	1.28	5.36	4.18	8.46	0.49	7.68	12.32	0.004495	21.54084
0.9	370.18	0.71	1.41	6.84	4.85	8.64	0.56	7.71	10.88	0.004475	24.3836
1	370.25	0.78	1.49	8.14	5.45	8.79	0.62	7.74	9.89	0.004032	24.24756
1.1	370.31	0.84	1.52	9.03	5.93	8.91	0.67	7.77	9.23	0.003845	24.82159
1.2	370.35	0.88	1.53	9.55	6.25	8.99	0.7	7.78	8.84	0.003642	24.5729
1.3	370.35	0.89	1.52	9.55	6.3	9	0.7	7.78	8.79	0.003747	25.42729
1.4	370.32	0.85	1.5	9.06	6.02	8.93	0.67	7.77	9.12	0.00386	25.24683
1.5	370.28	0.81	1.47	8.42	5.71	8.85	0.65	7.76	9.54	0.004154	25.97921
1.6	370.23	0.76	1.46	7.73	5.3	8.75	0.61	7.74	10.13	0.00419	24.58991
1.7	370.2	0.73	1.42	7.19	5.06	8.69	0.58	7.72	10.52	0.004305	24.32142
1.8	370.16	0.69	1.37	6.46	4.71	8.6	0.55	7.71	11.16	0.004405	23.39523
1.9	370.13	0.66	1.33	5.99	4.49	8.54	0.53	7.7	11.6	0.004493	22.90195
2	370.11	0.64	1.3	5.65	4.34	8.5	0.51	7.69	11.94	0.004454	22.03909
2.1	370.09	0.62	1.26	5.25	4.16	8.46	0.49	7.68	12.36	0.004507	21.49753
2.2	370.07	0.6	1.22	4.85	3.98	8.41	0.47	7.67	12.83	0.004464	20.4804
2.3	370.04	0.57	1.17	4.38	3.76	8.35	0.45	7.66	13.44	0.004506	19.66647
2.4	370.02	0.55	1.14	4.14	3.64	8.32	0.44	7.65	13.8	0.004491	19.04896
2.5	370.02	0.55	1.12	4.03	3.59	8.31	0.43	7.65	13.98	0.004518	18.90306

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10563

MASSIMA PORTATA 9.85 AT TIME 1.22
MASSIMA QUOTA PELO LIBERO 370.32 AT TIME 1.22

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.41	0	0	0	0	0	0	0	0	0	0
0.1	369.41	0	0	0	0	0	0	0	0	0	0
0.2	369.41	0	0	0	0	0	0	0	0	0	0
0.3	369.41	0	0	0	0	0	0	0	0	0	0
0.4	369.41	0	0	0	0	0	0	0	0	0	0
0.5	369.41	0	0	0	0	0	0	0	0	0	0
0.6	369.41	0	0	0	0	0	0	0	0	0	0
0.7	369.81	0.41	0.87	2.54	2.91	8.15	0.36	7.7	18.92	0.004587	15.90258
0.8	370.03	0.62	1.25	5.33	4.26	8.58	0.5	7.78	12.58	0.004313	20.73998
0.9	370.12	0.71	1.37	6.82	4.98	8.76	0.57	7.81	11.03	0.00423	23.30185
1	370.2	0.79	1.44	8.12	5.64	8.92	0.63	7.84	9.95	0.00369	22.58641
1.1	370.26	0.85	1.46	9.01	6.17	9.06	0.68	7.87	9.23	0.003489	23.0562
1.2	370.3	0.9	1.46	9.54	6.54	9.14	0.72	7.88	8.8	0.003256	22.57263
1.3	370.31	0.9	1.45	9.56	6.59	9.16	0.72	7.89	8.74	0.00338	23.58979
1.4	370.27	0.87	1.44	9.07	6.29	9.08	0.69	7.87	9.09	0.003518	23.60935
1.5	370.23	0.82	1.42	8.43	5.94	9	0.66	7.86	9.54	0.003842	24.60944
1.6	370.18	0.77	1.41	7.73	5.47	8.88	0.62	7.84	10.2	0.003925	23.43297
1.7	370.15	0.74	1.38	7.2	5.22	8.82	0.59	7.82	10.61	0.004065	23.33204
1.8	370.1	0.69	1.34	6.46	4.84	8.73	0.55	7.81	11.31	0.004202	22.57153
1.9	370.07	0.66	1.3	5.99	4.6	8.67	0.53	7.79	11.79	0.004288	22.05061
2	370.05	0.64	1.28	5.66	4.44	8.63	0.51	7.79	12.14	0.004275	21.31057
2.1	370.03	0.62	1.24	5.25	4.25	8.58	0.5	7.78	12.59	0.004334	20.80484
2.2	370	0.59	1.2	4.85	4.06	8.53	0.48	7.77	13.08	0.004303	19.85514
2.3	369.97	0.57	1.14	4.39	3.83	8.47	0.45	7.76	13.73	0.004346	19.05486
2.4	369.96	0.55	1.12	4.14	3.71	8.44	0.44	7.75	14.11	0.004335	18.46705
2.5	369.95	0.54	1.1	4.03	3.65	8.42	0.43	7.75	14.29	0.004353	18.28709

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10658

MASSIMA PORTATA 9.84 AT TIME 1.22
MASSIMA QUOTA PELO LIBERO 370.28 AT TIME 1.23

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.34	0	0	0	0	0	0	0	0	0	0
0.1	369.34	0	0	0	0	0	0	0	0	0	0
0.2	369.34	0	0	0	0	0	0	0	0	0	0
0.3	369.34	0	0	0	0	0	0	0	0	0	0
0.4	369.34	0	0	0	0	0	0	0	0	0	0
0.5	369.34	0	0	0	0	0	0	0	0	0	0
0.6	369.34	0	0	0	0	0	0	0	0	0	0
0.7	369.73	0.39	0.82	2.43	2.95	8.22	0.36	7.79	19.99	0.004584	15.91917
0.8	369.96	0.62	1.22	5.3	4.33	8.69	0.5	7.87	12.74	0.004241	20.5
0.9	370.05	0.71	1.33	6.8	5.13	8.88	0.58	7.91	11.07	0.004057	22.70109
1	370.14	0.8	1.38	8.1	5.86	9.06	0.65	7.94	9.9	0.003399	21.30381

1.1	370.21	0.87	1.39	8.99	6.47	9.21	0.7	7.97	9.12	0.003174	21.62166
1.2	370.26	0.92	1.39	9.53	6.88	9.31	0.74	7.98	8.66	0.002924	20.96194
1.3	370.27	0.93	1.38	9.56	6.95	9.32	0.75	7.99	8.59	0.003058	22.09196
1.4	370.23	0.89	1.37	9.08	6.61	9.24	0.72	7.97	8.96	0.003224	22.35127
1.5	370.18	0.84	1.36	8.45	6.23	9.15	0.68	7.96	9.43	0.003598	23.75013
1.6	370.12	0.78	1.36	7.74	5.68	9.02	0.63	7.93	10.16	0.003722	22.74504
1.7	370.09	0.75	1.33	7.22	5.41	8.95	0.6	7.92	10.59	0.003914	22.94938
1.8	370.03	0.7	1.3	6.47	4.98	8.85	0.56	7.9	11.34	0.004106	22.39773
1.9	370	0.67	1.27	6	4.72	8.78	0.54	7.89	11.86	0.004204	21.87804
2	369.98	0.64	1.25	5.66	4.54	8.74	0.52	7.88	12.24	0.004219	21.24051
2.1	369.96	0.62	1.21	5.26	4.34	8.69	0.5	7.87	12.71	0.004291	20.76962
2.2	369.93	0.59	1.17	4.86	4.14	8.64	0.48	7.87	13.22	0.004275	19.86609
2.3	369.9	0.57	1.13	4.39	3.9	8.58	0.45	7.85	13.89	0.004317	19.03677
2.4	369.89	0.55	1.1	4.14	3.78	8.55	0.44	7.85	14.28	0.004317	18.481
2.5	369.88	0.54	1.08	4.03	3.72	8.53	0.44	7.85	14.47	0.004337	18.30875

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10752

MASSIMA PORTATA 9.84 AT TIME 1.22
MASSIMA QUOTA PELO LIBERO 370.24 AT TIME 1.23

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.27	0	0	0	0	0	0	0	0	0	0
0.1	369.27	0	0	0	0	0	0	0	0	0	0
0.2	369.27	0	0	0	0	0	0	0	0	0	0
0.3	369.27	0	0	0	0	0	0	0	0	0	0
0.4	369.27	0	0	0	0	0	0	0	0	0	0
0.5	369.27	0	0	0	0	0	0	0	0	0	0
0.6	369.27	0	0	0	0	0	0	0	0	0	0
0.7	369.63	0.37	0.78	2.31	2.96	8.3	0.36	7.88	21.54	0.004563	15.76148
0.8	369.88	0.61	1.21	5.27	4.37	8.81	0.5	7.97	12.99	0.004111	19.75572
0.9	369.99	0.72	1.29	6.77	5.26	9.02	0.58	8.01	11.13	0.003786	21.39267
1	370.08	0.82	1.33	8.07	6.08	9.22	0.66	8.04	9.85	0.003047	19.46566
1.1	370.17	0.9	1.33	8.97	6.77	9.38	0.72	8.07	9	0.002809	19.63466
1.2	370.22	0.95	1.32	9.52	7.23	9.49	0.76	8.09	8.51	0.002555	18.85564
1.3	370.23	0.96	1.31	9.57	7.3	9.51	0.77	8.09	8.43	0.002698	20.0791
1.4	370.18	0.92	1.31	9.09	6.93	9.42	0.74	8.08	8.82	0.002877	20.51456
1.5	370.13	0.87	1.3	8.48	6.51	9.32	0.7	8.06	9.31	0.003278	22.2052
1.6	370.06	0.79	1.31	7.74	5.89	9.17	0.64	8.03	10.12	0.003447	21.45916
1.7	370.03	0.76	1.29	7.23	5.59	9.1	0.61	8.02	10.57	0.003693	21.99776
1.8	369.97	0.7	1.27	6.49	5.1	8.98	0.57	8	11.42	0.00395	21.73417
1.9	369.93	0.67	1.25	6.01	4.8	8.91	0.54	7.99	12	0.004074	21.2743
2	369.91	0.64	1.23	5.67	4.61	8.87	0.52	7.98	12.42	0.004128	20.78407
2.1	369.88	0.62	1.2	5.27	4.39	8.81	0.5	7.97	12.92	0.004221	20.37976
2.2	369.86	0.59	1.17	4.87	4.18	8.76	0.48	7.96	13.47	0.004232	19.56351
2.3	369.83	0.56	1.12	4.4	3.93	8.7	0.45	7.95	14.18	0.004287	18.75368
2.4	369.81	0.54	1.09	4.15	3.79	8.67	0.44	7.95	14.6	0.004295	18.21129
2.5	369.8	0.54	1.08	4.03	3.73	8.65	0.43	7.94	14.8	0.004315	18.0305

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10847

MASSIMA PORTATA 9.84 AT TIME 1.22
MASSIMA QUOTA PELO LIBERO 370.21 AT TIME 1.23

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.21	0	0	0	0	0	0	0	0	0	0
0.1	369.21	0	0	0	0	0	0	0	0	0	0
0.2	369.21	0	0	0	0	0	0	0	0	0	0
0.3	369.21	0	0	0	0	0	0	0	0	0	0
0.4	369.21	0	0	0	0	0	0	0	0	0	0
0.5	369.21	0	0	0	0	0	0	0	0	0	0
0.6	369.21	0	0	0	0	0	0	0	0	0	0
0.7	369.55	0.34	0.75	2.2	2.94	8.35	0.35	7.98	23.43	0.00458	15.64902
0.8	369.81	0.61	1.18	5.24	4.43	8.89	0.5	8.07	13.32	0.003968	19.15059
0.9	369.93	0.72	1.24	6.75	5.44	9.13	0.6	8.11	11.2	0.003485	20.11371
1	370.04	0.83	1.27	8.04	6.34	9.34	0.68	8.14	9.81	0.002709	17.82032
1.1	370.13	0.92	1.26	8.95	7.11	9.53	0.75	8.17	8.89	0.002469	17.85517
1.2	370.19	0.98	1.25	9.51	7.61	9.65	0.79	8.19	8.37	0.002216	16.94444
1.3	370.2	0.99	1.25	9.58	7.69	9.67	0.8	8.2	8.3	0.002391	18.44631
1.4	370.15	0.94	1.25	9.1	7.29	9.57	0.76	8.18	8.7	0.002568	18.9646
1.5	370.1	0.89	1.24	8.5	6.84	9.46	0.72	8.16	9.2	0.002977	20.86203
1.6	370.01	0.81	1.26	7.75	6.14	9.3	0.66	8.13	10.09	0.003182	20.37836

1.7	369.98	0.77	1.25	7.25	5.82	9.22	0.63	8.12	10.57	0.003473	21.23816
1.8	369.91	0.7	1.24	6.5	5.26	9.09	0.58	8.1	11.52	0.003802	21.32494
1.9	369.87	0.66	1.22	6.01	4.92	9.01	0.55	8.09	12.17	0.003963	20.98966
2	369.85	0.64	1.21	5.67	4.7	8.96	0.52	8.08	12.65	0.004056	20.63819
2.1	369.82	0.61	1.18	5.27	4.46	8.9	0.5	8.07	13.21	0.004177	20.30909
2.2	369.79	0.58	1.15	4.88	4.23	8.84	0.48	8.06	13.81	0.004223	19.602
2.3	369.76	0.55	1.11	4.4	3.96	8.78	0.45	8.05	14.6	0.004297	18.80143
2.4	369.74	0.53	1.09	4.15	3.82	8.74	0.44	8.04	15.06	0.004313	18.26419
2.5	369.73	0.53	1.07	4.03	3.75	8.73	0.43	8.04	15.28	0.00433	18.05654

CHANNEL HYDROGRAPH FOR ELEMENT NO: 10942

MASSIMA PORTATA 9.83 AT TIME 1.22
MASSIMA QUOTA PELO LIBERO 370.19 AT TIME 1.23

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.14	0	0	0	0	0	0	0	0	0	0
0.1	369.14	0	0	0	0	0	0	0	0	0	0
0.2	369.14	0	0	0	0	0	0	0	0	0	0
0.3	369.14	0	0	0	0	0	0	0	0	0	0
0.4	369.14	0	0	0	0	0	0	0	0	0	0
0.5	369.14	0	0	0	0	0	0	0	0	0	0
0.6	369.14	0	0	0	0	0	0	0	0	0	0
0.7	369.46	0.33	0.69	2.09	3.01	8.42	0.36	8.07	24.76	0.004612	15.99419
0.8	369.75	0.62	1.14	5.21	4.55	9.01	0.51	8.16	13.27	0.00379	18.56393
0.9	369.89	0.75	1.18	6.73	5.69	9.28	0.61	8.21	10.99	0.003177	18.89751
1	370	0.86	1.2	8.01	6.68	9.51	0.7	8.25	9.56	0.002392	16.29527
1.1	370.1	0.96	1.19	8.93	7.51	9.71	0.77	8.28	8.62	0.002186	16.40445
1.2	370.16	1.02	1.18	9.5	8.05	9.83	0.82	8.3	8.11	0.001949	15.4629
1.3	370.17	1.03	1.17	9.59	8.18	9.86	0.83	8.3	8.04	0.001828	14.70351
1.4	370.12	0.98	1.18	9.11	7.75	9.75	0.79	8.29	8.43	0.001997	15.38026
1.5	370.06	0.93	1.17	8.52	7.27	9.64	0.75	8.27	8.93	0.002446	17.87642
1.6	369.98	0.84	1.19	7.75	6.5	9.46	0.69	8.24	9.83	0.002621	17.46382
1.7	369.93	0.8	1.18	7.27	6.15	9.38	0.66	8.23	10.33	0.00299	19.00944
1.8	369.86	0.72	1.18	6.51	5.52	9.23	0.6	8.2	11.32	0.003407	19.7669
1.9	369.82	0.68	1.17	6.02	5.14	9.14	0.56	8.19	12.02	0.003636	19.82657
2	369.79	0.65	1.16	5.68	4.89	9.08	0.54	8.18	12.53	0.003784	19.75538
2.1	369.76	0.62	1.14	5.28	4.63	9.02	0.51	8.17	13.13	0.003966	19.71121
2.2	369.73	0.59	1.12	4.89	4.37	8.96	0.49	8.16	13.77	0.004079	19.28147
2.3	369.7	0.56	1.08	4.41	4.07	8.89	0.46	8.15	14.6	0.004197	18.61678
2.4	369.68	0.54	1.06	4.15	3.91	8.85	0.44	8.14	15.08	0.004218	18.07664
2.5	369.67	0.53	1.05	4.04	3.84	8.84	0.43	8.14	15.31	0.004256	17.94327

CHANNEL HYDROGRAPH FOR ELEMENT NO: 11037

MASSIMA PORTATA 9.83 AT TIME 1.2
MASSIMA QUOTA PELO LIBERO 370.17 AT TIME 1.23

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.08	0	0	0	0	0	0	0	0	0	0
0.1	369.08	0	0	0	0	0	0	0	0	0	0
0.2	369.08	0	0	0	0	0	0	0	0	0	0
0.3	369.08	0	0	0	0	0	0	0	0	0	0
0.4	369.08	0	0	0	0	0	0	0	0	0	0
0.5	369.08	0	0	0	0	0	0	0	0	0	0
0.6	369.08	0	0	0	0	0	0	0	0	0	0
0.7	369.38	0.31	0.65	1.99	3.05	8.5	0.36	8.15	26.62	0.004491	15.61394
0.8	369.7	0.62	1.12	5.17	4.63	9.13	0.51	8.22	13.28	0.003437	16.90243
0.9	369.84	0.77	1.13	6.7	5.92	9.43	0.63	8.26	10.77	0.002753	16.74546
1	369.97	0.89	1.14	7.98	6.99	9.68	0.72	8.29	9.29	0.002044	14.31118
1.1	370.07	1	1.13	8.91	7.89	9.89	0.8	8.31	8.35	0.001631	12.61843
1.2	370.14	1.06	1.12	9.49	8.48	10.02	0.85	8.33	7.85	0.001466	12.01545
1.3	370.16	1.08	1.11	9.59	8.65	10.06	0.86	8.33	7.71	0.001225	10.20585
1.4	370.11	1.03	1.11	9.12	8.2	9.96	0.82	8.32	8.09	0.001376	10.98544
1.5	370.05	0.97	1.11	8.55	7.69	9.83	0.78	8.31	8.57	0.001812	13.73176
1.6	369.95	0.87	1.13	7.76	6.87	9.64	0.71	8.28	9.48	0.001929	13.3173
1.7	369.91	0.83	1.12	7.29	6.48	9.55	0.68	8.27	9.98	0.002347	15.43332
1.8	369.83	0.75	1.13	6.53	5.79	9.39	0.62	8.25	11.02	0.002801	16.73381
1.9	369.78	0.7	1.13	6.03	5.36	9.29	0.58	8.24	11.78	0.003091	17.27529
2	369.75	0.67	1.12	5.69	5.07	9.23	0.55	8.24	12.34	0.003296	17.55474
2.1	369.71	0.63	1.11	5.29	4.77	9.16	0.52	8.23	13	0.003555	17.93885
2.2	369.68	0.6	1.09	4.89	4.48	9.09	0.49	8.22	13.7	0.003755	17.91815

2.3	369.64	0.56	1.07	4.42	4.13	9.01	0.46	8.21	14.63	0.003938	17.5085
2.4	369.62	0.54	1.05	4.16	3.96	8.97	0.44	8.21	15.15	0.004012	17.16082
2.5	369.61	0.53	1.04	4.04	3.88	8.96	0.43	8.2	15.4	0.004077	17.12047

CHANNEL HYDROGRAPH FOR ELEMENT NO: 11132

MASSIMA PORTATA 9.82 AT TIME 1.2
MASSIMA QUOTA PELO LIBERO 370.17 AT TIME 1.23

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.02	0	0	0	0	0	0	0	0	0	0
0.1	369.02	0	0	0	0	0	0	0	0	0	0
0.2	369.02	0	0	0	0	0	0	0	0	0	0
0.3	369.02	0	0	0	0	0	0	0	0	0	0
0.4	369.02	0	0	0	0	0	0	0	0	0	0
0.5	369.02	0	0	0	0	0	0	0	0	0	0
0.6	369.02	0	0	0	0	0	0	0	0	0	0
0.7	369.31	0.29	0.63	1.9	3.02	8.46	0.36	8.16	28.15	0.004574	15.83421
0.8	369.64	0.63	1.08	5.13	4.73	9.14	0.52	8.26	13.2	0.003184	15.98766
0.9	369.81	0.79	1.08	6.67	6.18	9.47	0.65	8.32	10.51	0.002444	15.4646
1	369.94	0.92	1.08	7.94	7.36	9.74	0.76	8.36	9.04	0.00163	11.93976
1.1	370.06	1.04	1.07	8.89	8.34	9.97	0.84	8.39	8.09	0.001152	9.34089
1.2	370.13	1.11	1.06	9.47	8.97	10.12	0.89	8.42	7.58	0.001066	9.16135
1.3	370.15	1.13	1.05	9.6	9.15	10.16	0.9	8.42	7.44	0.001036	9.04258
1.4	370.1	1.08	1.05	9.14	8.68	10.05	0.86	8.41	7.8	0.001169	9.78666
1.5	370.03	1.01	1.05	8.57	8.14	9.93	0.82	8.39	8.27	0.001542	12.26716
1.6	369.93	0.91	1.07	7.77	7.27	9.72	0.75	8.35	9.15	0.001643	11.91986
1.7	369.88	0.87	1.07	7.31	6.86	9.62	0.71	8.34	9.64	0.002041	14.10003
1.8	369.8	0.78	1.07	6.54	6.1	9.45	0.65	8.31	10.68	0.002478	15.50372
1.9	369.74	0.72	1.08	6.04	5.62	9.33	0.6	8.29	11.47	0.0028	16.32515
2	369.7	0.69	1.08	5.69	5.29	9.26	0.57	8.28	12.07	0.00304	16.83194
2.1	369.66	0.65	1.07	5.3	4.94	9.18	0.54	8.27	12.78	0.003363	17.54233
2.2	369.63	0.61	1.07	4.9	4.6	9.1	0.51	8.26	13.56	0.003664	17.94966
2.3	369.58	0.56	1.05	4.42	4.2	9.01	0.47	8.24	14.59	0.003932	17.76448
2.4	369.56	0.54	1.04	4.16	3.99	8.97	0.45	8.24	15.19	0.004079	17.60463
2.5	369.55	0.53	1.04	4.04	3.9	8.95	0.44	8.23	15.48	0.00415	17.53027

CHANNEL HYDROGRAPH FOR ELEMENT NO: 11227

MASSIMA PORTATA 9.80 AT TIME 1.2
MASSIMA QUOTA PELO LIBERO 370.16 AT TIME 1.23

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.96	0	0	0	0	0	0	0	0	0	0
0.1	368.96	0	0	0	0	0	0	0	0	0	0
0.2	368.96	0	0	0	0	0	0	0	0	0	0
0.3	368.96	0	0	0	0	0	0	0	0	0	0
0.4	368.96	0	0	0	0	0	0	0	0	0	0
0.5	368.96	0	0	0	0	0	0	0	0	0	0
0.6	368.96	0	0	0	0	0	0	0	0	0	0
0.7	369.23	0.27	0.66	1.81	2.75	8.53	0.32	8.25	30.25	0.00473	14.78023
0.8	369.59	0.64	1.04	5.07	4.89	9.27	0.53	8.36	13.14	0.002699	13.80622
0.9	369.78	0.82	1.02	6.63	6.54	9.64	0.68	8.42	10.27	0.001969	12.93488
1	369.93	0.97	1.01	7.9	7.84	9.94	0.79	8.47	8.75	0.001054	8.06646
1.1	370.05	1.09	1	8.87	8.89	10.18	0.87	8.5	7.82	0.000811	6.87139
1.2	370.12	1.16	0.99	9.46	9.55	10.33	0.92	8.53	7.33	0.00075	6.72083
1.3	370.14	1.18	0.99	9.6	9.73	10.38	0.94	8.53	7.21	0.000735	6.6854
1.4	370.09	1.13	0.99	9.15	9.25	10.26	0.9	8.52	7.55	0.000839	7.32489
1.5	370.02	1.06	0.99	8.6	8.68	10.13	0.86	8.5	7.99	0.001138	9.45235
1.6	369.92	0.96	1	7.78	7.77	9.92	0.78	8.46	8.84	0.00121	9.18535
1.7	369.86	0.91	1	7.33	7.32	9.82	0.75	8.45	9.32	0.001546	11.17896
1.8	369.77	0.81	1.01	6.56	6.5	9.63	0.68	8.42	10.36	0.001924	12.59372
1.9	369.71	0.75	1.01	6.05	5.97	9.5	0.63	8.4	11.17	0.002235	13.60265
2	369.67	0.71	1.02	5.7	5.6	9.42	0.59	8.39	11.8	0.002488	14.33354
2.1	369.62	0.67	1.02	5.31	5.2	9.33	0.56	8.37	12.57	0.002859	15.44079
2.2	369.58	0.62	1.02	4.92	4.8	9.24	0.52	8.36	13.43	0.003289	16.55801
2.3	369.53	0.57	1.03	4.43	4.32	9.14	0.47	8.34	14.62	0.003709	16.98692
2.4	369.5	0.54	1.03	4.16	4.05	9.08	0.45	8.33	15.35	0.003985	17.23755
2.5	369.49	0.53	1.03	4.04	3.93	9.05	0.43	8.33	15.7	0.004098	17.24523

CHANNEL HYDROGRAPH FOR ELEMENT NO: 11321

MASSIMA	PORTATA	9.75	AT TIME	1.23								
MASSIMA	QUOTA PELO LIBERO	370.15	AT TIME	1.23								

CHANNEL HYDROGRAPH FOR ELEMENT NO: 11414

MASSIMA	PORTATA	0.00	AT TIME	0							
MASSIMA	QUOTA PELO LIBERO	370.68	AT TIME	1.26							
TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.83	0	0	0	0	0	0	0	0	0	0
0.1	368.83	0	0	0	0	0	0	0	0	0	0
0.2	368.83	0	0	0	0	0	0	0	0	0	0
0.3	368.83	0	0	0	0	0	0	0	0	0	0
0.4	368.83	0	0	0	0	0	0	0	0	0	0
0.5	368.83	0	0	0	0	0	0	0	0	0	0
0.6	368.83	0	0	0	0	0	0	0	0	0	0
0.7	369.21	0.38	0	0	2.79	8.97	0.31	8.48	22.31	0.042045	126.6217
0.8	370.03	1.2	0	0	9.83	10.62	0.93	8.73	7.28	0.029492	264.51016
0.9	370.34	1.51	0	0	12.55	13.99	0.9	8.8	5.83	0.023246	202.10931
1	370.49	1.66	0	0	13.87	13.99	0.99	8.8	5.3	0.022999	221.05098
1.1	370.59	1.76	0	0	14.76	13.99	1.06	8.8	5	0.023687	242.24345
1.2	370.64	1.81	0	0	15.18	13.99	1.08	8.8	4.87	0.024816	260.95151
1.3	370.66	1.83	0	0	15.37	13.99	1.1	8.8	4.81	0.022245	236.86688
1.4	370.64	1.82	0	0	15.25	13.99	1.09	8.8	4.85	0.020457	216.17029
1.5	370.61	1.78	0	0	14.98	13.99	1.07	8.8	4.93	0.010665	110.64803
1.6	370.56	1.73	0	0	14.5	13.99	1.04	8.8	5.08	0.006129	61.57935
1.7	370.49	1.67	0	0	13.94	13.99	1	8.8	5.28	0.004447	42.93858
1.8	370.43	1.6	0	0	13.39	13.99	0.96	8.8	5.48	0.002853	26.46969
1.9	370.36	1.53	0	0	12.71	13.99	0.91	8.8	5.76	0.000928	8.1753
2	370.3	1.48	0	0	12.26	13.99	0.88	8.8	5.96	0.001364	11.58436
2.1	370.25	1.42	0	0	11.75	11.07	1.06	8.79	6.2	0	0
2.2	370.18	1.36	0	0	11.21	10.94	1.02	8.78	6.47	0	0
2.3	370.15	1.32	0	0	10.87	10.86	1	8.76	6.65	0	0
2.4	370.11	1.28	0	0	10.53	10.79	0.98	8.75	6.85	0	0
2.5	370.07	1.24	0	0	10.2	10.71	0.95	8.74	7.04	0.000603	5.57171

CHANNEL HYDROGRAPH FOR ELEMENT NO: 15959

MASSIMA	PORTATA	14.61	AT TIME	1.73
MASSIMA	QUOTA PELO LIBERO	369.57	AT TIME	1.72

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.09	0	0	0	0	0	0	0	0	0	0
0.1	368.09	0	0	0	0	0	0	0	0	0	0
0.2	368.09	0	0	0	0	0	0	0	0	0	0
0.3	368.09	0	0	0	0	0	0	0	0	0	0
0.4	368.09	0	0	0	0	0	0	0	0	0	0
0.5	368.09	0	0	0	0	0	0	0	0	0	0
0.6	368.09	0	0	0	0	0	0	0	0	0	0
0.7	368.09	0	0	0	0	0	0	0	0	0	0
0.8	368.27	0.18	0.61	1.06	1.75	4.97	0.35	4.85	26.96	0.058797	200.75249
0.9	368.8	0.71	1.97	5.71	2.9	6.09	0.48	5.19	7.29	0.056519	260.86337
1	368.94	0.85	2.13	7.49	3.51	6.37	0.55	5.28	6.22	0.056861	303.37793
1.1	369.04	0.95	2.21	8.85	4	6.59	0.61	5.34	5.62	0.056187	330.52124
1.2	369.13	1.05	2.23	10	4.48	8.73	0.51	5.38	5.14	0.056019	278.24146
1.3	369.17	1.08	2.19	10.3	4.7	8.73	0.54	5.38	4.98	0.053628	279.81509
1.4	369.23	1.14	2.16	10.94	5.06	8.73	0.58	5.38	4.73	0.0517	290.21716
1.5	369.31	1.22	2.12	11.75	5.53	8.73	0.63	5.38	4.42	0.045209	277.59924
1.6	369.43	1.34	2.04	12.72	6.22	8.73	0.71	5.38	4.02	0.038958	268.97382
1.7	369.48	1.4	1.98	13.11	6.62	8.73	0.76	5.38	3.85	0.036166	265.81979
1.8	369.51	1.42	1.92	13.08	6.83	8.73	0.78	5.38	3.79	0.033744	255.57678
1.9	369.5	1.41	1.88	12.81	6.81	8.73	0.78	5.38	3.82	0.030915	233.71739
2	369.48	1.4	1.86	12.56	6.75	8.73	0.77	5.38	3.85	0.030336	227.38354
2.1	369.46	1.37	1.86	12.27	6.61	8.73	0.76	5.38	3.93	0.0292	214.11948
2.2	369.43	1.34	1.87	12.09	6.45	8.73	0.74	5.38	4.01	0.029281	209.67593
2.3	369.38	1.29	1.92	11.83	6.15	8.73	0.7	5.38	4.16	0.030926	210.96373
2.4	369.33	1.24	1.95	11.42	5.86	8.73	0.67	5.38	4.33	0.031038	201.75143
2.5	369.27	1.19	1.99	11.03	5.54	8.73	0.63	5.38	4.53	0.031686	194.78848

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16043

MASSIMA PORTATA 14.89 AT TIME 1.74
MASSIMA QUOTA PELO LIBERO 369.35 AT TIME 1.72

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.75	0	0	0	0	0	0	0	0	0	0
0.1	367.75	0	0	0	0	0	0	0	0	0	0
0.2	367.75	0	0	0	0	0	0	0	0	0	0
0.3	367.75	0	0	0	0	0	0	0	0	0	0
0.4	367.75	0	0	0	0	0	0	0	0	0	0
0.5	367.75	0	0	0	0	0	0	0	0	0	0
0.6	367.75	0	0	0	0	0	0	0	0	0	0
0.7	367.75	0	0	0	0	0	0	0	0	0	0
0.8	367.91	0.16	0.67	1.01	1.49	4.32	0.35	4.26	26.62	0.025322	84.99553
0.9	368.36	0.61	2.25	5.69	2.53	5.47	0.46	4.71	7.74	0.025283	113.16769
1	368.47	0.72	2.34	7.48	3.2	5.7	0.56	4.76	6.61	0.023845	129.68117
1.1	368.56	0.81	2.38	8.84	3.71	5.89	0.63	4.8	5.92	0.024088	147.11389
1.2	368.65	0.9	2.38	10.03	4.21	6.08	0.69	4.84	5.36	0.024873	167.21761
1.3	368.71	0.96	2.28	10.37	4.55	6.19	0.74	4.87	5.07	0.01984	141.35931
1.4	368.79	1.04	2.21	11.07	5.01	6.36	0.79	4.91	4.7	0.015116	115.44363
1.5	368.89	1.15	2.17	12.01	5.53	6.57	0.84	4.95	4.32	0.017586	143.31172
1.6	369.04	1.3	2.13	13.25	6.22	9.2	0.68	4.99	3.85	0.015865	103.97503
1.7	369.14	1.39	2.07	13.94	6.74	9.2	0.73	4.99	3.59	0.012473	88.49906
1.8	369.2	1.45	2	14.06	7.01	9.2	0.76	4.99	3.45	0.011456	84.60909
1.9	369.2	1.45	1.95	13.82	7.08	9.2	0.77	4.99	3.43	0.010855	80.88702
2	369.19	1.44	1.92	13.5	7.03	9.2	0.76	4.99	3.46	0.009707	71.85323
2.1	369.16	1.42	1.89	13.09	6.91	9.2	0.75	4.99	3.52	0.011398	82.91756
2.2	369.13	1.38	1.9	12.76	6.73	9.2	0.73	4.99	3.61	0.011828	83.86412
2.3	369.06	1.31	1.94	12.38	6.39	9.2	0.69	4.99	3.8	0.012589	84.68612
2.4	369	1.25	1.95	11.86	6.07	9.2	0.66	4.99	3.99	0.013851	88.57046
2.5	368.93	1.18	1.97	11.37	5.76	6.65	0.87	4.97	4.2	0.013976	117.28845

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16126

MASSIMA PORTATA 16.44 AT TIME 1.74
MASSIMA QUOTA PELO LIBERO 369.28 AT TIME 1.89

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	367.38	0	0	0	0	0	0	0	0	0	0
0.1	367.38	0	0	0	0	0	0	0	0	0	0
0.2	367.38	0	0	0	0	0	0	0	0	0	0
0.3	367.38	0	0	0	0	0	0	0	0	0	0
0.4	367.38	0	0	0	0	0	0	0	0	0	0
0.5	367.38	0	0	0	0	0	0	0	0	0	0
0.6	367.38	0	0	0	0	0	0	0	0	0	0
0.7	367.38	0	0	0	0	0	0	0	0	0	0
0.8	367.52	0.14	0.53	0.94	1.77	3.92	0.45	3.83	27.81	0.018518	81.03556
0.9	368.03	0.66	1.73	5.65	3.26	5.25	0.62	4.31	6.56	0.014646	88.09026
1	368.23	0.85	1.84	7.47	4.06	5.64	0.72	4.38	5.15	0.011771	82.06694
1.1	368.36	0.98	1.91	8.84	4.62	5.91	0.78	4.42	4.5	0.012071	91.53075
1.2	368.49	1.11	1.96	10.15	5.18	6.17	0.84	4.47	4.02	0.010075	81.98694
1.3	368.58	1.2	1.91	10.61	5.56	6.36	0.87	4.5	3.75	0.008658	73.35656
1.4	368.69	1.32	1.9	11.51	6.07	6.59	0.92	4.54	3.45	0.006507	58.09499
1.5	368.81	1.43	1.93	12.69	6.58	6.82	0.97	4.58	3.21	0.006316	59.08545
1.6	368.95	1.57	1.99	14.32	7.18	9.8	0.73	4.6	2.93	0.006074	43.11783
1.7	369.07	1.69	2	15.38	7.69	9.8	0.78	4.6	2.72	0.004133	31.41281
1.8	369.13	1.75	1.96	15.64	7.98	9.8	0.81	4.6	2.63	0.003707	29.23721
1.9	369.15	1.77	1.91	15.39	8.07	9.8	0.82	4.6	2.59	0.003893	31.08033
2	369.14	1.76	1.87	15.04	8.03	9.8	0.82	4.6	2.61	0.003372	26.76457
2.1	369.12	1.74	1.83	14.54	7.94	9.8	0.81	4.6	2.65	0.003413	26.79801
2.2	369.08	1.7	1.82	14.13	7.76	9.8	0.79	4.6	2.71	0.003976	30.51369
2.3	369	1.62	1.83	13.62	7.45	9.8	0.76	4.6	2.83	0.003992	29.40644
2.4	368.93	1.55	1.81	12.92	7.15	9.8	0.73	4.6	2.96	0.004285	30.28856
2.5	368.87	1.49	1.77	12.18	6.86	9.8	0.7	4.6	3.09	0.004481	30.41097

0.5	366.94	0	0	0	0	0	0	0	0	0	0
0.6	366.94	0	0	0	0	0	0	0	0	0	0
0.7	366.94	0	0	0	0	0	0	0	0	0	0
0.8	367.13	0.19	0.34	0.73	2.12	3.99	0.53	3.88	20.27	0.002049	10.57838
0.9	367.98	1.05	1.4	5.57	3.98	5.91	0.67	4.16	3.97	0.001793	11.70023
1	368.15	1.21	1.6	7.43	4.63	6.24	0.74	4.17	3.44	0.004113	29.59245
1.1	368.27	1.34	1.71	8.81	5.15	6.49	0.79	4.18	3.13	0.001219	9.38437
1.2	368.4	1.46	1.78	10.13	5.69	6.74	0.84	4.18	2.86	0.001682	13.75592
1.3	368.49	1.55	1.75	10.6	6.04	6.91	0.87	4.19	2.7	0.0016	13.55474
1.4	368.61	1.67	1.75	11.47	6.57	7.16	0.92	4.2	2.51	0.003668	32.58272
1.5	368.73	1.79	1.79	12.67	7.07	10.7	0.66	4.2	2.34	0.003083	19.74225
1.6	368.87	1.93	1.88	14.39	7.66	10.7	0.72	4.2	2.17	0.001884	13.08055
1.7	369	2.06	1.91	15.63	8.2	10.7	0.77	4.2	2.04	0.001732	12.8743
1.8	369.07	2.13	1.88	15.98	8.52	10.7	0.8	4.2	1.97	0.000717	5.53376
1.9	369.09	2.15	1.83	15.8	8.62	10.7	0.81	4.2	1.95	0.001315	10.26983
2	369.08	2.15	1.8	15.43	8.58	10.7	0.8	4.2	1.96	0.001429	11.11163
2.1	369.05	2.12	1.76	14.88	8.45	10.7	0.79	4.2	1.99	0.001912	14.65037
2.2	369.02	2.08	1.74	14.45	8.29	10.7	0.78	4.2	2.02	0.001466	11.02072
2.3	368.96	2.02	1.73	13.91	8.05	10.7	0.75	4.2	2.08	0.001457	10.63908
2.4	368.89	1.95	1.7	13.2	7.76	10.7	0.73	4.2	2.15	0.001579	11.10694
2.5	368.82	1.88	1.66	12.41	7.48	10.7	0.7	4.2	2.23	0.001922	13.02035

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16376

MASSIMA	PORTATA	17.01	AT TIME	1.74
MASSIMA	QUOTA PELO LIBERO	369.16	AT TIME	1.72

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.92	0	0	0	0	0	0	0	0	0	0
0.1	366.92	0	0	0	0	0	0	0	0	0	0
0.2	366.92	0	0	0	0	0	0	0	0	0	0
0.3	366.92	0	0	0	0	0	0	0	0	0	0
0.4	366.92	0	0	0	0	0	0	0	0	0	0
0.5	366.92	0	0	0	0	0	0	0	0	0	0
0.6	366.92	0	0	0	0	0	0	0	0	0	0
0.7	366.92	0	0	0	0	0	0	0	0	0	0
0.8	367.08	0.17	0.3	0.6	2.03	3.81	0.53	3.73	22.43	0.002724	14.08681
0.9	367.94	1.02	1.39	5.53	3.97	5.85	0.68	4.16	4.08	0.002896	19.06989
1	368.1	1.18	1.6	7.41	4.62	6.17	0.75	4.17	3.54	0.00468	33.99245
1.1	368.22	1.3	1.7	8.8	5.17	6.42	0.8	4.17	3.2	0.000708	5.52065
1.2	368.35	1.43	1.77	10.12	5.73	6.68	0.86	4.18	2.92	0.002523	20.95809
1.3	368.43	1.52	1.75	10.59	6.07	6.85	0.89	4.19	2.76	0.00348	29.88208
1.4	368.56	1.64	1.74	11.47	6.6	7.1	0.93	4.2	2.56	0.004277	38.55746
1.5	368.68	1.76	1.78	12.68	7.13	10.7	0.67	4.2	2.38	0.00311	20.09859
1.6	368.82	1.91	1.87	14.5	7.76	10.7	0.73	4.2	2.2	0.002721	19.14387
1.7	368.96	2.04	1.9	15.87	8.35	10.7	0.78	4.2	2.06	0.00216	16.34023
1.8	369.03	2.12	1.88	16.3	8.68	10.7	0.81	4.2	1.99	0.001281	10.07549
1.9	369.06	2.14	1.84	16.15	8.79	10.7	0.82	4.2	1.96	0.001727	13.76503
2	369.05	2.13	1.8	15.77	8.76	10.7	0.82	4.2	1.97	0.001922	15.25309
2.1	369.02	2.1	1.76	15.21	8.63	10.7	0.81	4.2	2	0.001905	14.89384
2.2	368.98	2.06	1.74	14.74	8.46	10.7	0.79	4.2	2.04	0.001782	13.66381
2.3	368.92	2.01	1.72	14.15	8.22	10.7	0.77	4.2	2.09	0.001687	12.56112
2.4	368.85	1.94	1.69	13.4	7.91	10.7	0.74	4.2	2.17	0.002058	14.75575
2.5	368.78	1.87	1.65	12.56	7.61	10.7	0.71	4.2	2.25	0.002365	16.30243

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16459

MASSIMA	PORTATA	17.41	AT TIME	1.73
MASSIMA	QUOTA PELO LIBERO	369.14	AT TIME	1.89

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.91	0	0	0	0	0	0	0	0	0	0
0.1	366.91	0	0	0	0	0	0	0	0	0	0
0.2	366.91	0	0	0	0	0	0	0	0	0	0
0.3	366.91	0	0	0	0	0	0	0	0	0	0
0.4	366.91	0	0	0	0	0	0	0	0	0	0
0.5	366.91	0	0	0	0	0	0	0	0	0	0
0.6	366.91	0	0	0	0	0	0	0	0	0	0
0.7	366.91	0	0	0	0	0	0	0	0	0	0
0.8	367.05	0.14	0.25	0.47	1.86	4.09	0.46	3.95	28.14	0.000235	1.03501
0.9	367.89	0.98	1.49	5.5	3.69	6.01	0.61	4.32	4.42	0.001446	8.61326
1	368.04	1.14	1.69	7.39	4.37	6.32	0.69	4.35	3.83	0.001276	8.55012

1.1	368.17	1.27	1.77	8.79	4.97	6.58	0.75	4.36	3.45	0.002505	18.3181
1.2	368.31	1.4	1.81	10.1	5.59	6.85	0.82	4.38	3.13	0.003739	29.55221
1.3	368.38	1.47	1.79	10.57	5.9	9.89	0.6	4.39	2.98	0.004434	25.62561
1.4	368.51	1.6	1.79	11.56	6.46	9.89	0.65	4.39	2.75	0.002658	16.82754
1.5	368.63	1.73	1.81	12.8	7.06	9.89	0.71	4.39	2.55	0.002201	15.22435
1.6	368.78	1.87	1.89	14.65	7.75	9.89	0.78	4.39	2.34	0.001968	14.94914
1.7	368.92	2.02	1.93	16.17	8.4	9.89	0.85	4.39	2.18	0.001533	12.6147
1.8	369	2.09	1.91	16.71	8.75	9.89	0.88	4.39	2.1	0.000905	7.75913
1.9	369.03	2.12	1.87	16.62	8.87	9.89	0.9	4.39	2.07	0.001149	9.98737
2	369.02	2.11	1.84	16.28	8.84	9.89	0.89	4.39	2.08	0.001071	9.27799
2.1	368.99	2.08	1.81	15.74	8.7	9.89	0.88	4.39	2.11	0.001129	9.62754
2.2	368.95	2.04	1.79	15.26	8.52	9.89	0.86	4.39	2.15	0.00109	9.10703
2.3	368.89	1.99	1.77	14.63	8.26	9.89	0.84	4.39	2.21	0.000817	6.61583
2.4	368.82	1.91	1.74	13.82	7.94	9.89	0.8	4.39	2.29	0.001245	9.68146
2.5	368.75	1.84	1.7	12.94	7.61	9.89	0.77	4.39	2.38	0.00132	9.8381

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16542

MASSIMA PORTATA 17.72 AT TIME 1.74
MASSIMA QUOTA PELO LIBERO 369.03 AT TIME 1.72

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.9	0	0	0	0	0	0	0	0	0	0
0.1	366.9	0	0	0	0	0	0	0	0	0	0
0.2	366.9	0	0	0	0	0	0	0	0	0	0
0.3	366.9	0	0	0	0	0	0	0	0	0	0
0.4	366.9	0	0	0	0	0	0	0	0	0	0
0.5	366.9	0	0	0	0	0	0	0	0	0	0
0.6	366.9	0	0	0	0	0	0	0	0	0	0
0.7	366.9	0	0	0	0	0	0	0	0	0	0
0.8	367.02	0.12	0.29	0.35	1.19	2.69	0.44	2.63	22.47	0.001418	6.04642
0.9	367.81	0.92	1.95	5.46	2.8	5.65	0.5	4.5	4.91	0.004465	21.46711
1	367.98	1.08	1.99	7.37	3.71	5.97	0.62	4.53	4.2	0.001984	11.94866
1.1	368.11	1.22	1.96	8.77	4.47	6.25	0.72	4.56	3.75	0.004548	31.56189
1.2	368.26	1.36	1.94	10.09	5.2	6.54	0.8	4.58	3.37	0.003429	26.43258
1.3	368.32	1.42	1.92	10.55	5.49	9.5	0.58	4.6	3.23	0.004051	22.69045
1.4	368.45	1.55	1.89	11.56	6.11	9.5	0.64	4.6	2.97	0.002845	17.74182
1.5	368.59	1.69	1.89	12.86	6.82	9.5	0.72	4.6	2.72	0.002072	14.41034
1.6	368.75	1.85	1.95	14.84	7.59	9.5	0.8	4.6	2.49	0.001751	13.56335
1.7	368.89	1.99	1.99	16.5	8.3	9.5	0.87	4.6	2.3	0.001313	11.11308
1.8	368.97	2.07	1.98	17.19	8.68	9.5	0.91	4.6	2.22	0.000962	8.52413
1.9	369	2.1	1.95	17.19	8.8	9.5	0.93	4.6	2.19	0.000801	7.1955
2	368.99	2.09	1.93	16.92	8.76	9.5	0.92	4.6	2.2	0.000716	6.39717
2.1	368.96	2.06	1.91	16.44	8.61	9.5	0.91	4.6	2.23	0.000822	7.21678
2.2	368.92	2.02	1.9	15.95	8.42	9.5	0.89	4.6	2.27	0.000783	6.72445
2.3	368.86	1.96	1.88	15.32	8.14	9.5	0.86	4.6	2.34	0.000409	3.39254
2.4	368.79	1.89	1.86	14.45	7.79	9.5	0.82	4.6	2.43	0.000791	6.28582
2.5	368.71	1.82	1.82	13.51	7.43	9.5	0.78	4.6	2.53	0.000942	7.13804

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16625

MASSIMA PORTATA 18.59 AT TIME 1.88
MASSIMA QUOTA PELO LIBERO 368.99 AT TIME 1.88

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.89	0	0	0	0	0	0	0	0	0	0
0.1	366.89	0	0	0	0	0	0	0	0	0	0
0.2	366.89	0	0	0	0	0	0	0	0	0	0
0.3	366.89	0	0	0	0	0	0	0	0	0	0
0.4	366.89	0	0	0	0	0	0	0	0	0	0
0.5	366.89	0	0	0	0	0	0	0	0	0	0
0.6	366.89	0	0	0	0	0	0	0	0	0	0
0.7	366.89	0	0	0	0	0	0	0	0	0	0
0.8	366.93	0.04	0.08	0.29	3.7	1.79	2.06	1.76	39.8	0.003197	63.89633
0.9	367.57	0.68	2.42	5.4	2.23	5.07	0.44	4.36	6.42	0	0
1	367.81	0.92	2.19	7.35	3.36	5.78	0.58	4.7	5.09	0	0
1.1	368	1.11	2.08	8.87	4.26	6.17	0.69	4.75	4.27	0	0
1.2	368.17	1.28	2.02	10.2	5.06	8.94	0.57	4.79	3.74	0	0
1.3	368.23	1.34	2	10.68	5.34	8.94	0.6	4.79	3.58	0	0
1.4	368.37	1.48	1.96	11.79	6.01	8.94	0.67	4.79	3.24	0	0
1.5	368.53	1.64	1.95	13.24	6.77	8.94	0.76	4.79	2.93	0	0
1.6	368.7	1.81	2.03	15.39	7.59	8.94	0.85	4.79	2.65	0	0

1.7	368.85	1.96	2.06	17.2	8.33	8.94	0.93	4.79	2.44	0	0
1.8	368.94	2.05	2.06	18.05	8.74	8.94	0.98	4.79	2.34	0	0
1.9	368.96	2.07	2.07	18.3	8.85	8.94	0.99	4.79	2.31	0	0
2	368.95	2.06	2.07	18.19	8.81	8.94	0.99	4.79	2.32	0	0
2.1	368.92	2.03	2.06	17.85	8.65	8.94	0.97	4.79	2.36	0	0
2.2	368.87	1.99	2.06	17.42	8.44	8.94	0.94	4.79	2.41	0	0
2.3	368.81	1.93	2.06	16.82	8.15	8.94	0.91	4.79	2.49	0	0
2.4	368.74	1.85	2.04	15.92	7.79	8.94	0.87	4.79	2.59	0	0
2.5	368.66	1.77	2.01	14.93	7.42	8.94	0.83	4.79	2.7	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16709

MASSIMA PORTATA 20.06 AT TIME 1.83
MASSIMA QUOTA PELO LIBERO 369.36 AT TIME 1.9

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.88	0	0	0	0	0	0	0	0	0	0
0.1	366.88	0	0	0	0	0	0	0	0	0	0
0.2	366.88	0	0	0	0	0	0	0	0	0	0
0.3	366.88	0	0	0	0	0	0	0	0	0	0
0.4	366.88	0	0	0	0	0	0	0	0	0	0
0.5	366.88	0	0	0	0	0	0	0	0	0	0
0.6	366.88	0	0	0	0	0	0	0	0	0	0
0.7	366.88	0	0	0	0	0	0	0	0	0	0
0.8	366.94	0.06	0.13	0.15	1.14	2.11	0.54	2.1	33.42	0.005063	26.47177
0.9	367.98	1.1	1.16	5.23	4.5	8	0.56	4.95	4.49	0	0
1	368.28	1.4	1.22	7.2	5.89	8	0.74	4.95	3.54	0	0
1.1	368.41	1.54	1.35	8.82	6.55	8	0.82	4.95	3.22	0	0
1.2	368.51	1.64	1.45	10.14	6.98	8	0.87	4.95	3.03	0	0
1.3	368.57	1.69	1.47	10.61	7.22	8	0.9	4.95	2.93	0	0
1.4	368.67	1.79	1.51	11.6	7.66	8	0.96	4.95	2.76	0	0
1.5	368.8	1.92	1.58	12.99	8.23	8	1.03	4.95	2.58	0	0
1.6	368.94	2.06	1.69	15	8.89	8	1.11	4.95	2.4	0	0
1.7	369.09	2.22	1.73	16.67	9.62	8	1.2	4.95	2.23	0	0
1.8	369.19	2.31	1.73	17.46	10.08	8	1.26	4.95	2.14	0	0
1.9	369.24	2.36	1.72	17.7	10.3	8	1.29	4.95	2.1	0	0
2	369.24	2.37	1.71	17.68	10.36	8	1.3	4.95	2.09	0	0
2.1	369.25	2.37	1.67	17.31	10.39	8	1.3	4.95	2.09	0	0
2.2	369.22	2.34	1.65	16.97	10.28	8	1.29	4.95	2.11	0	0
2.3	369.18	2.3	1.62	16.4	10.11	8	1.26	4.95	2.15	0	0
2.4	369.14	2.26	1.57	15.55	9.92	8	1.24	4.95	2.19	0	0
2.5	369.08	2.2	1.53	14.68	9.63	8	1.2	4.95	2.25	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16792

MASSIMA PORTATA 19.10 AT TIME 1.83
MASSIMA QUOTA PELO LIBERO 369.4 AT TIME 2.01

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.87	0	0	0	0	0	0	0	0	0	0
0.1	366.87	0	0	0	0	0	0	0	0	0	0
0.2	366.87	0	0	0	0	0	0	0	0	0	0
0.3	366.87	0	0	0	0	0	0	0	0	0	0
0.4	366.87	0	0	0	0	0	0	0	0	0	0
0.5	366.87	0	0	0	0	0	0	0	0	0	0
0.6	366.87	0	0	0	0	0	0	0	0	0	0
0.7	366.87	0	0	0	0	0	0	0	0	0	0
0.8	366.9	0.03	0.08	0.06	0.79	1.53	0.51	1.53	50.65	0.011501	57.29551
0.9	368.07	1.2	1.12	5	4.47	7.7	0.58	4.55	3.78	0	0
1	368.35	1.48	1.23	7.03	5.71	7.7	0.74	4.55	3.07	0	0
1.1	368.49	1.63	1.37	8.66	6.34	7.7	0.82	4.55	2.79	0	0
1.2	368.58	1.71	1.49	9.94	6.69	7.7	0.87	4.55	2.66	0	0
1.3	368.63	1.76	1.5	10.35	6.92	7.7	0.9	4.55	2.58	0	0
1.4	368.71	1.84	1.55	11.3	7.27	7.7	0.94	4.55	2.47	0	0
1.5	368.82	1.95	1.62	12.58	7.76	7.7	1.01	4.55	2.33	0	0
1.6	368.95	2.09	1.73	14.43	8.33	7.7	1.08	4.55	2.18	0.005329	55.92281
1.7	369.11	2.24	1.76	15.84	9.01	7.7	1.17	4.55	2.03	0	0
1.8	369.2	2.33	1.75	16.55	9.43	7.7	1.23	4.55	1.95	0.00245	29.10775
1.9	369.25	2.38	1.74	16.78	9.64	7.7	1.25	4.55	1.91	0	0
2	369.27	2.4	1.73	16.79	9.72	7.7	1.26	4.55	1.89	0	0
2.1	369.28	2.41	1.68	16.37	9.77	7.7	1.27	4.55	1.89	0	0
2.2	369.26	2.39	1.67	16.14	9.68	7.7	1.26	4.55	1.9	0	0

2.3	369.23	2.36	1.64	15.62	9.54	7.7	1.24	4.55	1.93	0	0
2.4	369.19	2.32	1.59	14.87	9.37	7.7	1.22	4.55	1.96	0	0
2.5	369.13	2.26	1.55	14.16	9.13	7.7	1.19	4.55	2.01	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16875

MASSIMA PORTATA 18.15 AT TIME 1.92
MASSIMA QUOTA PELO LIBERO 369.37 AT TIME 1.94

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.86	0	0	0	0	0	0	0	0	0	0
0.1	366.86	0	0	0	0	0	0	0	0	0	0
0.2	366.86	0	0	0	0	0	0	0	0	0	0
0.3	366.86	0	0	0	0	0	0	0	0	0	0
0.4	366.86	0	0	0	0	0	0	0	0	0	0
0.5	366.86	0	0	0	0	0	0	0	0	0	0
0.6	366.86	0	0	0	0	0	0	0	0	0	0
0.7	366.86	0	0	0	0	0	0	0	0	0	0
0.8	366.87	0.01	0.02	0.01	0	0	0	0	0	0.017806	0
0.9	368.05	1.19	1.14	4.81	4.21	7.45	0.56	4.24	3.55	0.000969	5.3024
1	368.34	1.48	1.28	6.88	5.38	7.45	0.72	4.24	2.86	0.000988	6.91492
1.1	368.48	1.62	1.43	8.49	5.95	7.45	0.8	4.24	2.61	0.001203	9.32477
1.2	368.56	1.7	1.55	9.71	6.27	7.45	0.84	4.24	2.49	0.00063	5.14788
1.3	368.61	1.76	1.55	10.07	6.5	7.45	0.87	4.24	2.41	0.001331	11.25161
1.4	368.69	1.83	1.6	10.94	6.82	7.45	0.92	4.24	2.31	0.000846	7.50091
1.5	368.8	1.94	1.67	12.1	7.26	7.45	0.98	4.24	2.18	0.000994	9.39549
1.6	368.93	2.07	1.78	13.85	7.8	7.45	1.05	4.24	2.05	0	0
1.7	369.09	2.23	1.78	14.97	8.41	7.45	1.13	4.24	1.9	0.001422	15.55366
1.8	369.18	2.32	1.78	15.65	8.81	7.45	1.18	4.24	1.82	0.000754	8.63745
1.9	369.23	2.37	1.77	15.9	9	7.45	1.21	4.24	1.79	0.002658	31.14289
2	369.25	2.39	1.76	16.03	9.09	7.45	1.22	4.24	1.77	0	0
2.1	369.26	2.4	1.7	15.54	9.12	7.45	1.22	4.24	1.76	0.000991	11.76655
2.2	369.24	2.38	1.69	15.38	9.08	7.45	1.22	4.24	1.78	0.000851	10.05708
2.3	369.21	2.35	1.67	14.95	8.95	7.45	1.2	4.24	1.8	0.000829	9.64836
2.4	369.17	2.31	1.62	14.25	8.78	7.45	1.18	4.24	1.83	0.000828	9.46247
2.5	369.12	2.26	1.59	13.64	8.58	7.45	1.15	4.24	1.87	0.000481	5.36822

CHANNEL HYDROGRAPH FOR ELEMENT NO: 16958

MASSIMA PORTATA 17.34 AT TIME 1.92
MASSIMA QUOTA PELO LIBERO 369.37 AT TIME 2.07

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.85	0	0	0	0	0	0	0	0	0	0
0.1	366.85	0	0	0	0	0	0	0	0	0	0
0.2	366.85	0	0	0	0	0	0	0	0	0	0
0.3	366.85	0	0	0	0	0	0	0	0	0	0
0.4	366.85	0	0	0	0	0	0	0	0	0	0
0.5	366.85	0	0	0	0	0	0	0	0	0	0
0.6	366.85	0	0	0	0	0	0	0	0	0	0
0.7	366.85	0	0	0	0	0	0	0	0	0	0
0.8	366.85	0	0	0	0	0	0	0	0	0.013214	0
0.9	368.03	1.18	1.16	4.61	3.99	7.35	0.54	3.96	3.35	0.001456	7.65709
1	368.32	1.47	1.31	6.72	5.12	7.35	0.7	3.96	2.69	0.001208	8.16481
1.1	368.46	1.61	1.47	8.32	5.68	7.35	0.77	3.96	2.45	0.001684	12.60073
1.2	368.54	1.69	1.59	9.5	5.98	7.35	0.81	3.96	2.34	0.00125	9.85324
1.3	368.59	1.75	1.58	9.83	6.21	7.35	0.84	3.96	2.27	0.001785	14.60635
1.4	368.67	1.82	1.63	10.62	6.51	7.35	0.89	3.96	2.17	0.000159	1.36787
1.5	368.78	1.93	1.69	11.68	6.93	7.35	0.94	3.96	2.05	0.001809	16.52445
1.6	368.91	2.06	1.78	13.29	7.45	7.35	1.01	3.96	1.92	0	0
1.7	369.05	2.21	1.78	14.26	8.01	7.35	1.09	3.96	1.79	0.001747	18.45559
1.8	369.15	2.3	1.77	14.88	8.41	7.35	1.14	3.96	1.72	0.00051	5.64887
1.9	369.2	2.35	1.77	15.24	8.6	7.35	1.17	3.96	1.68	0.006349	72.02113
2	369.23	2.38	1.77	15.43	8.7	7.35	1.18	3.96	1.66	0.005445	62.46239
2.1	369.23	2.38	1.72	14.96	8.72	7.35	1.19	3.96	1.66	0.002892	33.25958
2.2	369.23	2.38	1.7	14.76	8.7	7.35	1.18	3.96	1.66	0.001947	22.33736
2.3	369.19	2.35	1.68	14.4	8.58	7.35	1.17	3.96	1.69	0.000862	9.74459
2.4	369.15	2.3	1.63	13.74	8.41	7.35	1.14	3.96	1.72	0.001469	16.29077
2.5	369.1	2.26	1.61	13.22	8.22	7.35	1.12	3.96	1.75	0.000828	8.97358

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17041

MASSIMA PORTATA 17.14 AT TIME 1.96
MASSIMA QUOTA PELO LIBERO 369.32 AT TIME 2.15

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.84	0	0	0	0	0	0	0	0	0	0
0.1	366.84	0	0	0	0	0	0	0	0	0	0
0.2	366.84	0	0	0	0	0	0	0	0	0	0
0.3	366.84	0	0	0	0	0	0	0	0	0	0
0.4	366.84	0	0	0	0	0	0	0	0	0	0
0.5	366.84	0	0	0	0	0	0	0	0	0	0
0.6	366.84	0	0	0	0	0	0	0	0	0	0
0.7	366.84	0	0	0	0	0	0	0	0	0	0
0.8	366.84	0	0	0	0	0	0	0	0	0	0
0.9	368	1.16	1.12	4.43	3.94	7.32	0.54	3.97	3.41	0.001401	7.31099
1	368.3	1.46	1.29	6.59	5.1	7.32	0.7	3.97	2.72	0.000949	6.40772
1.1	368.44	1.6	1.45	8.22	5.66	7.32	0.77	3.97	2.48	0.001298	9.72538
1.2	368.52	1.68	1.57	9.35	5.97	7.32	0.82	3.97	2.37	0.001158	9.15242
1.3	368.57	1.74	1.56	9.66	6.21	7.32	0.85	3.97	2.29	0.001342	11.02529
1.4	368.65	1.82	1.59	10.39	6.52	7.32	0.89	3.97	2.19	0.001735	14.97614
1.5	368.75	1.92	1.65	11.38	6.92	7.32	0.94	3.97	2.07	0.001687	15.44488
1.6	368.89	2.05	1.73	12.86	7.44	7.32	1.02	3.97	1.94	0.001697	16.70963
1.7	369.03	2.19	1.71	13.67	7.99	7.32	1.09	3.97	1.81	0.00232	24.54338
1.8	369.13	2.29	1.7	14.3	8.4	7.32	1.15	3.97	1.74	0.003409	37.8846
1.9	369.18	2.34	1.71	14.74	8.61	7.32	1.18	3.97	1.7	0	0
2	369.2	2.36	1.72	14.98	8.71	7.32	1.19	3.97	1.68	0.005541	63.8819
2.1	369.21	2.37	1.67	14.56	8.73	7.32	1.19	3.97	1.68	0	0
2.2	369.2	2.36	1.64	14.3	8.71	7.32	1.19	3.97	1.68	0.000412	4.74402
2.3	369.17	2.33	1.64	14.09	8.57	7.32	1.17	3.97	1.7	0.000363	4.11631
2.4	369.13	2.29	1.59	13.43	8.42	7.32	1.15	3.97	1.73	0.000752	8.39007
2.5	369.08	2.24	1.57	12.91	8.23	7.32	1.12	3.97	1.77	0.000978	10.66431

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17124

MASSIMA PORTATA 17.10 AT TIME 1.96
MASSIMA QUOTA PELO LIBERO 369.33 AT TIME 1.98

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.83	0	0	0	0	0	0	0	0	0	0
0.1	366.83	0	0	0	0	0	0	0	0	0	0
0.2	366.83	0	0	0	0	0	0	0	0	0	0
0.3	366.83	0	0	0	0	0	0	0	0	0	0
0.4	366.83	0	0	0	0	0	0	0	0	0	0
0.5	366.83	0	0	0	0	0	0	0	0	0	0
0.6	366.83	0	0	0	0	0	0	0	0	0	0
0.7	366.83	0	0	0	0	0	0	0	0	0	0
0.8	366.83	0	0	0	0	0	0	0	0	0	0
0.9	367.98	1.15	1.12	4.23	3.78	7.26	0.52	4.03	3.51	0.00092	4.64992
1	368.29	1.46	1.3	6.47	4.97	7.26	0.68	4.03	2.77	0.000539	3.5755
1.1	368.43	1.6	1.47	8.13	5.54	7.26	0.76	4.03	2.52	0.000713	5.27655
1.2	368.5	1.68	1.57	9.23	5.86	7.26	0.81	4.03	2.41	0.000672	5.26081
1.3	368.57	1.74	1.55	9.5	6.11	7.26	0.84	4.03	2.32	0.000783	6.38971
1.4	368.64	1.82	1.58	10.18	6.43	7.26	0.89	4.03	2.22	0.00365	31.32006
1.5	368.74	1.91	1.63	11.14	6.82	7.26	0.94	4.03	2.11	0.001194	10.88221
1.6	368.87	2.04	1.7	12.53	7.35	7.26	1.01	4.03	1.98	0.002435	23.90794
1.7	369	2.18	1.68	13.23	7.89	7.26	1.09	4.03	1.85	0.002462	25.96035
1.8	369.11	2.28	1.67	13.81	8.29	7.26	1.14	4.03	1.77	0.000703	7.78062
1.9	369.16	2.33	1.68	14.31	8.52	7.26	1.17	4.03	1.73	0	0
2	369.19	2.36	1.7	14.65	8.63	7.26	1.19	4.03	1.71	0	0
2.1	369.19	2.36	1.64	14.23	8.66	7.26	1.19	4.03	1.71	0.002814	32.52671
2.2	369.19	2.36	1.62	13.96	8.62	7.26	1.19	4.03	1.71	0	0
2.3	369.15	2.32	1.63	13.81	8.49	7.26	1.17	4.03	1.74	0.000641	7.27141
2.4	369.12	2.29	1.58	13.2	8.35	7.26	1.15	4.03	1.76	0	0
2.5	369.07	2.24	1.55	12.7	8.16	7.26	1.12	4.03	1.8	0.000867	9.4575

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17206

MASSIMA PORTATA 17.03 AT TIME 1.96
MASSIMA QUOTA PELO LIBERO 369.3 AT TIME 2.02

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.83	0	0	0	0	0	0	0	0	0	0
0.1	366.83	0	0	0	0	0	0	0	0	0	0
0.2	366.83	0	0	0	0	0	0	0	0	0	0
0.3	366.83	0	0	0	0	0	0	0	0	0	0
0.4	366.83	0	0	0	0	0	0	0	0	0	0
0.5	366.83	0	0	0	0	0	0	0	0	0	0
0.6	366.83	0	0	0	0	0	0	0	0	0	0
0.7	366.83	0	0	0	0	0	0	0	0	0	0
0.8	366.83	0	0	0	0	0	0	0	0	0	0
0.9	367.95	1.13	1.18	4.15	3.51	7.32	0.48	4.1	3.64	0.001518	7.05232
1	368.27	1.44	1.35	6.37	4.72	7.32	0.64	4.1	2.84	0.001293	8.07975
1.1	368.41	1.58	1.51	7.98	5.3	7.32	0.72	4.1	2.59	0.001092	7.6614
1.2	368.49	1.66	1.61	9.05	5.62	7.32	0.77	4.1	2.47	0.001122	8.35582
1.3	368.55	1.73	1.58	9.3	5.89	7.32	0.81	4.1	2.37	0.001082	8.44222
1.4	368.63	1.8	1.6	9.94	6.2	7.32	0.85	4.1	2.27	0.001845	15.15147
1.5	368.73	1.9	1.65	10.9	6.6	7.32	0.9	4.1	2.16	0.001306	11.40951
1.6	368.86	2.03	1.7	12.16	7.13	7.32	0.97	4.1	2.02	0.002461	23.2468
1.7	368.99	2.16	1.67	12.82	7.66	7.32	1.05	4.1	1.89	0.001296	13.15124
1.8	369.08	2.25	1.67	13.45	8.03	7.32	1.1	4.1	1.82	0	0
1.9	369.14	2.31	1.69	13.99	8.29	7.32	1.13	4.1	1.77	0.006375	70.00324
2	369.17	2.34	1.71	14.36	8.41	7.32	1.15	4.1	1.75	0.000703	7.83577
2.1	369.18	2.35	1.65	13.95	8.45	7.32	1.15	4.1	1.74	0.004337	48.54029
2.2	369.17	2.34	1.63	13.69	8.4	7.32	1.15	4.1	1.75	0.000407	4.52461
2.3	369.14	2.31	1.64	13.57	8.28	7.32	1.13	4.1	1.77	0.001838	20.16245
2.4	369.1	2.28	1.6	12.99	8.14	7.32	1.11	4.1	1.8	0.001014	10.93206
2.5	369.06	2.23	1.58	12.54	7.94	7.32	1.08	4.1	1.84	0.001036	10.89449

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17288

MASSIMA PORTATA 17.07 AT TIME 1.96
MASSIMA QUOTA PELO LIBERO 369.28 AT TIME 2.16

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.82	0	0	0	0	0	0	0	0	0	0
0.1	366.82	0	0	0	0	0	0	0	0	0	0
0.2	366.82	0	0	0	0	0	0	0	0	0	0
0.3	366.82	0	0	0	0	0	0	0	0	0	0
0.4	366.82	0	0	0	0	0	0	0	0	0	0
0.5	366.82	0	0	0	0	0	0	0	0	0	0
0.6	366.82	0	0	0	0	0	0	0	0	0	0
0.7	366.82	0	0	0	0	0	0	0	0	0	0
0.8	366.82	0	0	0	0	0	0	0	0	0	0
0.9	367.91	1.09	1.19	4.04	3.41	5.07	0.67	4.07	3.72	0.00216	14.09038
1	368.24	1.42	1.35	6.25	4.64	7.28	0.64	4.08	2.86	0.001924	11.88194
1.1	368.38	1.57	1.49	7.78	5.23	7.28	0.72	4.08	2.6	0.001251	8.7007
1.2	368.46	1.65	1.59	8.84	5.56	7.28	0.76	4.08	2.48	0.001386	10.25033
1.3	368.53	1.72	1.56	9.12	5.84	7.28	0.8	4.08	2.38	0.001064	8.264
1.4	368.61	1.79	1.59	9.75	6.15	7.28	0.84	4.08	2.28	0	0
1.5	368.7	1.89	1.64	10.71	6.53	7.28	0.9	4.08	2.16	0.000945	8.2072
1.6	368.84	2.02	1.69	11.88	7.05	7.28	0.97	4.08	2.02	0.001304	12.22531
1.7	368.96	2.14	1.65	12.5	7.55	7.28	1.04	4.08	1.9	0.003383	34.0141
1.8	369.05	2.23	1.67	13.21	7.93	7.28	1.09	4.08	1.83	0.001829	19.28941
1.9	369.12	2.3	1.68	13.76	8.19	7.28	1.12	4.08	1.77	0.004177	45.53249
2	369.15	2.33	1.7	14.15	8.32	7.28	1.14	4.08	1.75	0.001123	12.42909
2.1	369.16	2.34	1.64	13.75	8.38	7.28	1.15	4.08	1.74	0	0
2.2	369.15	2.33	1.62	13.49	8.32	7.28	1.14	4.08	1.75	0.004264	47.20179
2.3	369.12	2.3	1.64	13.45	8.2	7.28	1.13	4.08	1.77	0.001786	19.49376
2.4	369.08	2.27	1.6	12.89	8.07	7.28	1.11	4.08	1.8	0.002001	21.47753
2.5	369.03	2.21	1.59	12.47	7.86	7.28	1.08	4.08	1.84	0.001325	13.85045

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17370

MASSIMA PORTATA 17.23 AT TIME 1.96
MASSIMA QUOTA PELO LIBERO 369.26 AT TIME 2.07

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	366.82	0	0	0	0	0	0	0	0	0	0
0.1	366.82	0	0	0	0	0	0	0	0	0	0
0.2	366.82	0	0	0	0	0	0	0	0	0	0
0.3	366.82	0	0	0	0	0	0	0	0	0	0
0.4	366.82	0	0	0	0	0	0	0	0	0	0
0.5	366.82	0	0	0	0	0	0	0	0	0	0
0.6	366.82	0	0	0	0	0	0	0	0	0	0
0.7	366.82	0	0	0	0	0	0	0	0	0	0
0.8	366.82	0	0	0	0	0	0	0	0	0	0
0.9	367.87	1.06	1.18	3.89	3.31	5	0.66	4.04	3.83	0.001931	12.37874
1	368.22	1.4	1.32	6.02	4.57	7.17	0.64	4.06	2.9	0.00155	9.56518
1.1	368.37	1.55	1.45	7.5	5.17	7.17	0.72	4.06	2.62	0.000987	6.90116
1.2	368.45	1.63	1.56	8.58	5.51	7.17	0.77	4.06	2.49	0.001187	8.83537
1.3	368.52	1.7	1.54	8.93	5.79	7.17	0.81	4.06	2.39	0.000752	5.88671
1.4	368.59	1.78	1.57	9.56	6.1	7.17	0.85	4.06	2.29	0	0
1.5	368.69	1.87	1.63	10.53	6.46	7.17	0.9	4.06	2.17	0.001938	16.9091
1.6	368.81	1.99	1.67	11.64	6.95	7.17	0.97	4.06	2.04	0.000671	6.30163
1.7	368.93	2.12	1.65	12.24	7.43	7.17	1.04	4.06	1.92	0.003128	31.41304
1.8	369.02	2.21	1.67	13.02	7.82	7.17	1.09	4.06	1.84	0.00326	34.44958
1.9	369.09	2.27	1.68	13.64	8.1	7.17	1.13	4.06	1.79	0	0
2	369.12	2.3	1.71	14.06	8.22	7.17	1.15	4.06	1.76	0.0007	7.76611
2.1	369.14	2.32	1.64	13.57	8.27	7.17	1.15	4.06	1.75	0	0
2.2	369.12	2.31	1.63	13.38	8.21	7.17	1.14	4.06	1.76	0.003506	38.8937
2.3	369.1	2.28	1.65	13.39	8.12	7.17	1.13	4.06	1.78	0.001018	11.16361
2.4	369.06	2.24	1.6	12.8	7.98	7.17	1.11	4.06	1.81	0.000858	9.25672
2.5	369.01	2.19	1.6	12.43	7.78	7.17	1.08	4.06	1.85	0.001095	11.5019

0.5	366.8	0	0	0	0	0	0	0	0	0	0
0.6	366.8	0	0	0	0	0	0	0	0	0	0
0.7	366.8	0	0	0	0	0	0	0	0	0	0
0.8	366.8	0	0	0	0	0	0	0	0	0	0
0.9	367.79	1	1.15	3.62	3.15	4.89	0.65	3.99	4	0.00184	11.50488
1	368.18	1.38	1.3	5.81	4.48	7.03	0.64	4.02	2.92	0.001163	7.19124
1.1	368.33	1.54	1.42	7.29	5.13	7.03	0.73	4.02	2.62	0.000885	6.26015
1.2	368.42	1.62	1.51	8.29	5.48	7.03	0.78	4.02	2.48	0.001008	7.61606
1.3	368.49	1.69	1.51	8.71	5.77	7.03	0.82	4.02	2.38	0.000761	6.05371
1.4	368.57	1.77	1.54	9.34	6.07	7.03	0.86	4.02	2.28	0.001065	8.91815
1.5	368.65	1.85	1.62	10.35	6.39	7.03	0.91	4.02	2.18	0.002582	22.7555
1.6	368.76	1.96	1.67	11.4	6.82	7.03	0.97	4.02	2.06	0.000996	9.36692
1.7	368.88	2.08	1.65	12.04	7.28	7.03	1.04	4.02	1.94	0.001273	12.77436
1.8	368.97	2.18	1.68	12.89	7.68	7.03	1.09	4.02	1.85	0	0
1.9	369.03	2.24	1.7	13.49	7.93	7.03	1.13	4.02	1.8	0.001257	13.75305
2	369.07	2.28	1.73	13.97	8.09	7.03	1.15	4.02	1.77	0.003103	34.64178
2.1	369.08	2.28	1.66	13.5	8.12	7.03	1.16	4.02	1.76	0.004335	48.55343
2.2	369.07	2.27	1.65	13.34	8.08	7.03	1.15	4.02	1.77	0.002546	28.39034
2.3	369.05	2.25	1.67	13.35	8	7.03	1.14	4.02	1.79	0.00225	24.84193
2.4	369.02	2.22	1.62	12.74	7.87	7.03	1.12	4.02	1.82	0.003543	38.44543
2.5	368.97	2.17	1.62	12.45	7.69	7.03	1.09	4.02	1.86	0.001281	13.57542

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17615

MASSIMA PORTATA 17.47 AT TIME 1.96
MASSIMA QUOTA PELO LIBERO 369.24 AT TIME 2.1

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.8	0	0	0	0	0	0	0	0	0	0
0.1	366.8	0	0	0	0	0	0	0	0	0	0
0.2	366.8	0	0	0	0	0	0	0	0	0	0
0.3	366.8	0	0	0	0	0	0	0	0	0	0
0.4	366.8	0	0	0	0	0	0	0	0	0	0
0.5	366.8	0	0	0	0	0	0	0	0	0	0
0.6	366.8	0	0	0	0	0	0	0	0	0	0
0.7	366.8	0	0	0	0	0	0	0	0	0	0
0.8	366.8	0	0	0	0	0	0	0	0	0	0
0.9	367.76	0.96	1.13	3.5	3.1	4.97	0.62	3.99	4.16	0.001875	11.34516
1	368.16	1.36	1.26	5.66	4.49	7.1	0.63	4.05	2.98	0.001078	6.61068
1.1	368.32	1.52	1.4	7.22	5.16	7.1	0.73	4.05	2.66	0.000904	6.35829
1.2	368.41	1.61	1.49	8.2	5.52	7.1	0.78	4.05	2.51	0.000947	7.13527
1.3	368.48	1.68	1.48	8.62	5.82	7.1	0.82	4.05	2.4	0.000864	6.86208
1.4	368.56	1.76	1.51	9.24	6.12	7.1	0.86	4.05	2.3	0.00105	8.77193
1.5	368.63	1.83	1.6	10.25	6.42	7.1	0.9	4.05	2.21	0.001201	10.5243
1.6	368.73	1.94	1.65	11.3	6.84	7.1	0.96	4.05	2.09	0.001514	14.12735
1.7	368.84	2.05	1.65	11.97	7.28	7.1	1.02	4.05	1.98	0	0
1.8	368.95	2.15	1.67	12.82	7.68	7.1	1.08	4.05	1.88	0	0
1.9	369.01	2.21	1.69	13.43	7.95	7.1	1.12	4.05	1.83	0.001051	11.40261
2	369.05	2.25	1.72	13.95	8.12	7.1	1.14	4.05	1.8	0.000128	1.41477
2.1	369.06	2.26	1.65	13.46	8.15	7.1	1.15	4.05	1.79	0.005831	64.85307
2.2	369.05	2.25	1.64	13.33	8.11	7.1	1.14	4.05	1.8	0.000836	9.24905
2.3	369.03	2.24	1.66	13.33	8.04	7.1	1.13	4.05	1.81	0.001037	11.38083
2.4	369	2.2	1.6	12.68	7.91	7.1	1.11	4.05	1.84	0.00113	12.1896
2.5	368.96	2.16	1.61	12.43	7.72	7.1	1.09	4.05	1.88	0.00107	11.27811

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17697

MASSIMA PORTATA 17.38 AT TIME 1.96
MASSIMA QUOTA PELO LIBERO 369.14 AT TIME 2.03

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.79	0	0	0	0	0	0	0	0	0	0
0.1	366.79	0	0	0	0	0	0	0	0	0	0
0.2	366.79	0	0	0	0	0	0	0	0	0	0
0.3	366.79	0	0	0	0	0	0	0	0	0	0
0.4	366.79	0	0	0	0	0	0	0	0	0	0
0.5	366.79	0	0	0	0	0	0	0	0	0	0
0.6	366.79	0	0	0	0	0	0	0	0	0	0
0.7	366.79	0	0	0	0	0	0	0	0	0	0
0.8	366.79	0	0	0	0	0	0	0	0	0	0
0.9	367.72	0.93	1.11	3.37	3.03	4.87	0.62	4.03	4.32	0.001609	9.71332
1	368.14	1.35	1.24	5.56	4.5	6.99	0.64	4.1	3.03	0.000916	5.71241

1.1	368.31	1.52	1.39	7.17	5.18	6.99	0.74	4.1	2.7	0.000871	6.24998
1.2	368.4	1.61	1.46	8.11	5.56	6.99	0.79	4.1	2.55	0.000799	6.15769
1.3	368.47	1.68	1.45	8.5	5.87	6.99	0.84	4.1	2.43	0.000836	6.80926
1.4	368.54	1.76	1.48	9.09	6.16	6.99	0.88	4.1	2.33	0.001081	9.23597
1.5	368.62	1.83	1.56	10.09	6.45	6.99	0.92	4.1	2.24	0	0
1.6	368.71	1.93	1.62	11.11	6.85	6.99	0.98	4.1	2.13	0.001811	17.19309
1.7	368.82	2.04	1.62	11.79	7.27	6.99	1.04	4.1	2.01	0.002193	22.10343
1.8	368.92	2.13	1.65	12.67	7.67	6.99	1.1	4.1	1.92	0.001299	13.80917
1.9	368.99	2.2	1.68	13.34	7.96	6.99	1.14	4.1	1.86	0.003248	35.85141
2	369.03	2.24	1.7	13.81	8.13	6.99	1.16	4.1	1.83	0.002503	28.22017
2.1	369.04	2.25	1.64	13.39	8.15	6.99	1.17	4.1	1.82	0	0
2.2	369.03	2.24	1.63	13.27	8.13	6.99	1.16	4.1	1.83	0	0
2.3	369.01	2.22	1.65	13.26	8.05	6.99	1.15	4.1	1.84	0.000471	5.25977
2.4	368.98	2.19	1.59	12.61	7.93	6.99	1.13	4.1	1.87	0	0
2.5	368.93	2.15	1.6	12.41	7.74	6.99	1.11	4.1	1.91	0.00119	12.77469

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17780

MASSIMA	PORTATA	16.98	AT TIME	1.96
MASSIMA	QUOTA PELO LIBERO	369.13	AT TIME	2.05

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.78	0	0	0	0	0	0	0	0	0	0
0.1	366.78	0	0	0	0	0	0	0	0	0	0
0.2	366.78	0	0	0	0	0	0	0	0	0	0
0.3	366.78	0	0	0	0	0	0	0	0	0	0
0.4	366.78	0	0	0	0	0	0	0	0	0	0
0.5	366.78	0	0	0	0	0	0	0	0	0	0
0.6	366.78	0	0	0	0	0	0	0	0	0	0
0.7	366.78	0	0	0	0	0	0	0	0	0	0
0.8	366.78	0	0	0	0	0	0	0	0	0	0
0.9	367.68	0.9	1.09	3.21	2.94	4.81	0.61	3.99	4.44	0.001557	9.20796
1	368.12	1.34	1.22	5.46	4.46	6.93	0.64	4.09	3.05	0.000877	5.47313
1.1	368.29	1.51	1.38	7.09	5.15	6.93	0.74	4.09	2.7	0.000903	6.50924
1.2	368.38	1.61	1.43	7.94	5.55	6.93	0.8	4.09	2.54	0.000756	5.86918
1.3	368.46	1.69	1.42	8.32	5.88	6.93	0.85	4.09	2.42	0.000798	6.55942
1.4	368.53	1.76	1.44	8.88	6.16	6.93	0.89	4.09	2.33	0.001027	8.85908
1.5	368.6	1.82	1.53	9.82	6.43	6.93	0.93	4.09	2.24	0.0016	14.40618
1.6	368.69	1.92	1.58	10.78	6.8	6.93	0.98	4.09	2.13	0.001478	14.06359
1.7	368.79	2.02	1.6	11.49	7.19	6.93	1.04	4.09	2.03	0.003382	34.0375
1.8	368.89	2.11	1.63	12.35	7.58	6.93	1.09	4.09	1.93	0.00144	15.26149
1.9	368.97	2.19	1.65	13.03	7.89	6.93	1.14	4.09	1.87	0.003631	40.10465
2	369.01	2.23	1.68	13.57	8.07	6.93	1.16	4.09	1.84	0.00366	41.31643
2.1	369.01	2.23	1.64	13.23	8.08	6.93	1.17	4.09	1.83	0.000546	6.17426
2.2	369.01	2.23	1.62	13.1	8.07	6.93	1.16	4.09	1.83	0.00094	10.61296
2.3	368.99	2.21	1.64	13.1	8	6.93	1.15	4.09	1.85	0.000795	8.89467
2.4	368.96	2.18	1.59	12.49	7.85	6.93	1.13	4.09	1.87	0.002087	22.93061
2.5	368.92	2.14	1.6	12.33	7.7	6.93	1.11	4.09	1.91	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17863

MASSIMA	PORTATA	16.74	AT TIME	1.96
MASSIMA	QUOTA PELO LIBERO	369.13	AT TIME	1.96

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.77	0	0	0	0	0	0	0	0	0	0
0.1	366.77	0	0	0	0	0	0	0	0	0	0
0.2	366.77	0	0	0	0	0	0	0	0	0	0
0.3	366.77	0	0	0	0	0	0	0	0	0	0
0.4	366.77	0	0	0	0	0	0	0	0	0	0
0.5	366.77	0	0	0	0	0	0	0	0	0	0
0.6	366.77	0	0	0	0	0	0	0	0	0	0
0.7	366.77	0	0	0	0	0	0	0	0	0	0
0.8	366.77	0	0	0	0	0	0	0	0	0	0
0.9	367.63	0.87	1.07	3.06	2.86	4.76	0.6	3.97	4.58	0.001678	9.78055
1	368.1	1.33	1.2	5.36	4.45	6.83	0.65	4.08	3.06	0.000958	6.04132
1.1	368.27	1.51	1.35	6.97	5.16	6.83	0.76	4.08	2.71	0.000927	6.78449
1.2	368.37	1.61	1.4	7.8	5.58	6.83	0.82	4.08	2.54	0.000767	6.07227
1.3	368.46	1.69	1.38	8.14	5.92	6.83	0.87	4.08	2.41	0.000911	7.65307
1.4	368.53	1.76	1.39	8.65	6.21	6.83	0.91	4.08	2.32	0.00089	7.84329
1.5	368.59	1.82	1.48	9.58	6.47	6.83	0.95	4.08	2.24	0.002899	26.59815
1.6	368.68	1.91	1.54	10.46	6.81	6.83	1	4.08	2.14	0.001765	17.05323

1.7	368.77	2	1.56	11.25	7.19	6.83	1.05	4.08	2.04	0.00206	21.0202
1.8	368.86	2.09	1.61	12.19	7.57	6.83	1.11	4.08	1.95	0.001316	14.13405
1.9	368.94	2.17	1.63	12.81	7.87	6.83	1.15	4.08	1.88	0.001135	12.67437
2	368.99	2.22	1.65	13.35	8.08	6.83	1.18	4.08	1.84	0	0
2.1	368.99	2.22	1.63	13.17	8.08	6.83	1.18	4.08	1.84	0.000504	5.7783
2.2	368.98	2.22	1.61	13.02	8.07	6.83	1.18	4.08	1.84	0.002366	27.07314
2.3	368.97	2.2	1.63	13.07	8.01	6.83	1.17	4.08	1.85	0.000907	10.30259
2.4	368.93	2.16	1.59	12.5	7.86	6.83	1.15	4.08	1.89	0.00412	45.91141
2.5	368.9	2.13	1.6	12.29	7.7	6.83	1.13	4.08	1.92	0.004112	44.91167

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17864

MASSIMA PORTATA 15.82 AT TIME 1.96
MASSIMA QUOTA PELO LIBERO 369.1 AT TIME 2.06

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.76	0	0	0	0	0	0	0	0	0	0
0.1	366.76	0	0	0	0	0	0	0	0	0	0
0.2	366.76	0	0	0	0	0	0	0	0	0	0
0.3	366.76	0	0	0	0	0	0	0	0	0	0
0.4	366.76	0	0	0	0	0	0	0	0	0	0
0.5	366.76	0	0	0	0	0	0	0	0	0	0
0.6	366.76	0	0	0	0	0	0	0	0	0	0
0.7	366.76	0	0	0	0	0	0	0	0	0	0
0.8	366.76	0	0	0	0	0	0	0	0	0	0
0.9	367.6	0.84	1.06	2.92	2.75	4.75	0.58	3.99	4.74	0.001587	8.90255
1	368.09	1.33	1.16	5.17	4.45	6.88	0.65	4.17	3.14	0.000888	5.56908
1.1	368.26	1.51	1.29	6.72	5.2	6.88	0.76	4.17	2.77	0.000759	5.5576
1.2	368.37	1.61	1.33	7.51	5.63	6.88	0.82	4.17	2.59	0.000591	4.69101
1.3	368.45	1.69	1.31	7.81	5.98	6.88	0.87	4.17	2.46	0.000881	7.43067
1.4	368.52	1.76	1.32	8.29	6.28	6.88	0.91	4.17	2.36	0.000781	6.91343
1.5	368.58	1.83	1.41	9.21	6.53	6.88	0.95	4.17	2.28	0	0
1.6	368.66	1.9	1.47	10.06	6.86	6.88	1	4.17	2.19	0.001782	17.24215
1.7	368.75	2	1.5	10.88	7.23	6.88	1.05	4.17	2.09	0.001051	10.71627
1.8	368.85	2.09	1.55	11.82	7.6	6.88	1.11	4.17	1.99	0.001666	17.85674
1.9	368.91	2.16	1.59	12.55	7.89	6.88	1.15	4.17	1.93	0.000833	9.26837
2	368.97	2.21	1.61	13.02	8.11	6.88	1.18	4.17	1.89	0.000133	1.51692
2.1	368.97	2.21	1.6	12.98	8.12	6.88	1.18	4.17	1.88	0.000904	10.35054
2.2	368.97	2.21	1.59	12.86	8.1	6.88	1.18	4.17	1.89	0.00181	20.67477
2.3	368.95	2.19	1.6	12.89	8.04	6.88	1.17	4.17	1.9	0.001003	11.36339
2.4	368.92	2.16	1.57	12.38	7.9	6.88	1.15	4.17	1.93	0.002289	25.50314
2.5	368.88	2.12	1.58	12.23	7.72	6.88	1.12	4.17	1.97	0.003735	40.66015

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17865

MASSIMA PORTATA 15.05 AT TIME 1.96
MASSIMA QUOTA PELO LIBERO 369.06 AT TIME 2.12

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.76	0	0	0	0	0	0	0	0	0	0
0.1	366.76	0	0	0	0	0	0	0	0	0	0
0.2	366.76	0	0	0	0	0	0	0	0	0	0
0.3	366.76	0	0	0	0	0	0	0	0	0	0
0.4	366.76	0	0	0	0	0	0	0	0	0	0
0.5	366.76	0	0	0	0	0	0	0	0	0	0
0.6	366.76	0	0	0	0	0	0	0	0	0	0
0.7	366.76	0	0	0	0	0	0	0	0	0	0
0.8	366.76	0	0	0	0	0	0	0	0	0	0
0.9	367.56	0.8	1.05	2.75	2.63	4.72	0.56	3.96	4.91	0.003109	16.78919
1	368.07	1.32	1.14	5.01	4.4	6.82	0.65	4.16	3.16	0.002879	18.03047
1.1	368.26	1.5	1.26	6.5	5.16	6.82	0.76	4.16	2.77	0.002933	21.515
1.2	368.37	1.61	1.29	7.19	5.59	6.82	0.82	4.16	2.59	0.002917	23.20232
1.3	368.45	1.69	1.25	7.41	5.94	6.82	0.87	4.16	2.46	0.002894	24.44374
1.4	368.52	1.76	1.26	7.86	6.23	6.82	0.91	4.16	2.36	0.003323	29.42658
1.5	368.58	1.82	1.35	8.76	6.47	6.82	0.95	4.16	2.28	0.001708	15.70298
1.6	368.66	1.9	1.4	9.49	6.78	6.82	1	4.16	2.19	0.004365	42.10012
1.7	368.75	1.99	1.44	10.29	7.14	6.82	1.05	4.16	2.09	0.003204	32.51345
1.8	368.83	2.08	1.5	11.22	7.48	6.82	1.1	4.16	2	0.005837	62.10104
1.9	368.9	2.15	1.54	11.99	7.77	6.82	1.14	4.16	1.94	0.004401	48.60335
2	368.96	2.2	1.56	12.42	7.97	6.82	1.17	4.16	1.89	0.004754	53.90525
2.1	368.96	2.2	1.57	12.5	7.98	6.82	1.17	4.16	1.89	0.004608	52.29368
2.2	368.96	2.2	1.56	12.41	7.97	6.82	1.17	4.16	1.89	0.002855	32.35005

2.3	368.94	2.18	1.58	12.47	7.9	6.82	1.16	4.16	1.91	0.004624	51.92223
2.4	368.91	2.15	1.55	12.02	7.77	6.82	1.14	4.16	1.94	0.003248	35.88078
2.5	368.86	2.1	1.57	11.95	7.59	6.82	1.11	4.16	1.98	0.001414	15.27283

CHANNEL HYDROGRAPH FOR ELEMENT NO: 17784

MASSIMA PORTATA 0.00 AT TIME 0
 MASSIMA QUOTA PELO LIBERO 369.02 AT TIME 1.96

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.75	0	0	0	0	0	0	0	0	0	0
0.1	366.75	0	0	0	0	0	0	0	0	0	0
0.2	366.75	0	0	0	0	0	0	0	0	0	0
0.3	366.75	0	0	0	0	0	0	0	0	0	0
0.4	366.75	0	0	0	0	0	0	0	0	0	0
0.5	366.75	0	0	0	0	0	0	0	0	0	0
0.6	366.75	0	0	0	0	0	0	0	0	0	0
0.7	366.75	0	0	0	0	0	0	0	0	0	0
0.8	366.76	0.01	0	0	0.01	0.2	0	0.2	0	0	0
0.9	367.51	0.77	0	0	2.19	4.35	0.5	3.75	4.9	0	0
1	368.06	1.31	0	0	4.35	6.41	0.68	3.95	3	0	0
1.1	368.25	1.51	0	0	5.1	6.41	0.8	3.95	2.62	0	0
1.2	368.36	1.61	0	0	5.53	6.41	0.86	3.95	2.44	0	0
1.3	368.45	1.7	0	0	5.88	6.41	0.92	3.95	2.32	0	0
1.4	368.52	1.77	0	0	6.15	6.41	0.96	3.95	2.23	0	0
1.5	368.58	1.83	0	0	6.38	6.41	1	3.95	2.16	0	0
1.6	368.65	1.91	0	0	6.68	6.41	1.04	3.95	2.07	0	0
1.7	368.74	1.99	0	0	7.03	6.41	1.1	3.95	1.98	0	0
1.8	368.83	2.08	0	0	7.37	6.41	1.15	3.95	1.9	0	0
1.9	368.9	2.15	0	0	7.64	6.41	1.19	3.95	1.84	0	0
2	368.95	2.2	0	0	7.84	6.41	1.22	3.95	1.79	0	0
2.1	368.95	2.2	0	0	7.84	6.41	1.22	3.95	1.79	0	0
2.2	368.95	2.2	0	0	7.83	6.41	1.22	3.95	1.8	0	0
2.3	368.93	2.18	0	0	7.77	6.41	1.21	3.95	1.81	0	0
2.4	368.9	2.15	0	0	7.64	6.41	1.19	3.95	1.84	0	0
2.5	368.85	2.1	0	0	7.47	6.41	1.17	3.95	1.87	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19378

MASSIMA PORTATA 21.98 AT TIME 1.39
 MASSIMA QUOTA PELO LIBERO 373.11 AT TIME 1.37

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.93	0	0	0	0	0	0	0	0	0	0
0.1	370.94	0.01	0	0	0	0	0	0	0	0	0
0.2	371	0.06	0.13	0.01	0.08	1.72	0.05	1.72	30	0.023471	10.28153
0.3	371.02	0.08	0.47	0.05	0.11	2.4	0.04	2.4	30	0.025434	10.98983
0.4	371.08	0.14	0.72	0.16	0.23	2.97	0.08	2.93	21.18	0.026959	19.86523
0.5	371.15	0.21	0.96	0.41	0.43	3.35	0.13	3.26	15.36	0.027516	34.24619
0.6	371.3	0.37	1.29	1.15	0.89	3.82	0.23	3.61	9.87	0.028544	64.56904
0.7	371.55	0.61	1.61	2.67	1.66	4.57	0.36	4.18	6.84	0.030281	106.7838
0.8	371.86	0.92	1.87	5.16	2.76	5.51	0.5	4.89	5.32	0	0
0.9	372.18	1.24	2.12	8.66	4.09	6.49	0.63	5.63	4.54	0	0
1	372.46	1.52	2.26	12.15	5.37	7.35	0.73	6.28	4.13	0	0
1.1	372.76	1.82	2.36	16.13	6.83	11.09	0.62	6.6	3.63	0	0
1.2	372.96	2.02	2.45	19.27	7.87	11.09	0.71	6.6	3.27	0	0
1.3	373.07	2.13	2.49	21.13	8.48	11.09	0.76	6.6	3.1	0	0
1.4	373.11	2.17	2.51	21.82	8.7	11.09	0.78	6.6	3.04	0	0
1.5	373.08	2.14	2.5	21.38	8.55	11.09	0.77	6.6	3.08	0	0
1.6	373	2.06	2.47	20.07	8.11	11.09	0.73	6.6	3.2	0	0
1.7	372.86	1.92	2.41	17.84	7.41	11.09	0.67	6.6	3.43	0	0
1.8	372.69	1.75	2.35	15.29	6.51	11.09	0.59	6.6	3.78	0	0
1.9	372.49	1.56	2.28	12.68	5.55	7.45	0.74	6.36	4.09	0	0
2	372.32	1.39	2.2	10.43	4.73	6.93	0.68	5.97	4.31	0	0
2.1	372.16	1.22	2.11	8.45	4	6.43	0.62	5.59	4.58	0	0
2.2	372.02	1.08	2.02	6.85	3.4	6	0.57	5.26	4.88	0	0
2.3	371.89	0.95	1.92	5.5	2.87	5.59	0.51	4.95	5.23	0	0
2.4	371.77	0.83	1.82	4.45	2.44	5.25	0.46	4.7	5.63	0	0
2.5	371.67	0.74	1.74	3.62	2.09	4.95	0.42	4.47	6.07	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19379

MASSIMA PORTATA 22.49 AT TIME 1.35
MASSIMA QUOTA PELO LIBERO 371.91 AT TIME 1.37

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	370.44	0	0	0	0	0	0	0	0	0	0
0.1	370.44	0	0	0	0	0	0	0	0	0	0
0.2	370.47	0.04	0.06	0.01	0.08	1.05	0.08	1.05	30	0.034469	26.60873
0.3	370.52	0.08	0.49	0.05	0.1	2.32	0.04	2.32	30	0.033192	14.43553
0.4	370.54	0.11	0.74	0.16	0.22	2.7	0.08	2.68	25.13	0.033677	26.2555
0.5	370.6	0.16	1.03	0.41	0.4	3.18	0.13	3.12	19.25	0.033895	41.08315
0.6	370.71	0.28	1.5	1.14	0.76	3.55	0.21	3.41	12.31	0.034879	72.3827
0.7	370.88	0.44	2.03	2.65	1.3	4.04	0.32	3.78	8.62	0.036257	113.28971
0.8	371.08	0.64	2.53	5.14	2.03	4.65	0.44	4.24	6.65	0.037505	158.89392
0.9	371.29	0.85	2.97	8.63	2.91	5.31	0.55	4.74	5.55	0.038134	202.62361
1	371.47	1.03	3.26	12.11	3.72	5.86	0.63	5.16	4.98	0.039922	245.52
1.1	371.66	1.22	3.52	16.2	4.6	6.43	0.71	5.59	4.57	0.039935	276.68713
1.2	371.79	1.36	3.7	19.51	5.28	6.84	0.77	5.9	4.35	0.041094	307.3613
1.3	371.87	1.43	3.79	21.49	5.67	7.08	0.8	6.08	4.24	0.042364	328.82571
1.4	371.9	1.46	3.84	22.25	5.8	7.16	0.81	6.14	4.2	0.041711	327.44028
1.5	371.88	1.44	3.82	21.77	5.7	7.1	0.8	6.1	4.23	0.041658	324.11594
1.6	371.83	1.39	3.75	20.34	5.43	6.94	0.78	5.97	4.3	0.041835	317.45325
1.7	371.74	1.3	3.65	18.05	4.95	6.68	0.74	5.78	4.43	0.040954	294.21613
1.8	371.63	1.19	3.5	15.34	4.39	6.33	0.69	5.51	4.64	0.040016	268.76877
1.9	371.5	1.07	3.31	12.69	3.83	5.95	0.64	5.23	4.91	0.038719	241.4632
2	371.39	0.95	3.13	10.44	3.33	5.61	0.59	4.97	5.22	0.037925	218.26744
2.1	371.28	0.84	2.95	8.47	2.87	5.28	0.54	4.72	5.58	0.037678	198.21994
2.2	371.19	0.75	2.78	6.86	2.47	4.99	0.49	4.5	6	0.03717	178.17047
2.3	371.1	0.66	2.6	5.51	2.12	4.73	0.45	4.3	6.48	0.036816	159.93492
2.4	371.03	0.59	2.43	4.46	1.83	4.5	0.41	4.13	7	0.0363	143.32097
2.5	370.96	0.53	2.28	3.63	1.6	4.31	0.37	3.98	7.57	0.035872	128.85083

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19380

MASSIMA PORTATA 22.53 AT TIME 1.36
MASSIMA QUOTA PELO LIBERO 371.23 AT TIME 1.35

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.94	0	0	0	0	0	0	0	0	0	0
0.1	369.94	0	0	0	0	0	0	0	0	0	0
0.2	369.96	0.02	0.05	0.01	0.02	0.54	0	0.54	0	0.03416	0
0.3	370.02	0.08	0.47	0.05	0.1	2.34	0.04	2.34	30	0.03371	14.11889
0.4	370.07	0.13	0.76	0.16	0.2	2.92	0.07	2.89	21.77	0.033962	22.98687
0.5	370.13	0.19	1.07	0.4	0.37	3.29	0.11	3.21	16.75	0.034036	37.49096
0.6	370.23	0.29	1.58	1.13	0.72	3.59	0.2	3.44	11.79	0.034419	66.41403
0.7	370.37	0.43	2.16	2.63	1.22	4.02	0.3	3.76	8.73	0.034553	101.68657
0.8	370.54	0.6	2.74	5.12	1.87	4.53	0.41	4.15	6.93	0.034476	137.7993
0.9	370.72	0.78	3.28	8.61	2.62	5.09	0.52	4.57	5.85	0.034048	170.0748
1	370.87	0.93	3.67	12.08	3.29	5.55	0.59	4.92	5.28	0.032577	187.24361
1.1	371.02	1.08	4.01	16.19	4.04	6.01	0.67	5.27	4.86	0.031959	208.31778
1.2	371.13	1.19	4.24	19.52	4.61	6.35	0.73	5.53	4.63	0.029607	208.3593
1.3	371.19	1.25	4.33	21.5	4.97	6.52	0.76	5.66	4.52	0.027661	204.20079
1.4	371.21	1.27	4.34	22.27	5.13	6.57	0.78	5.7	4.49	0.028412	214.77975
1.5	371.19	1.25	4.32	21.8	5.04	6.53	0.77	5.66	4.52	0.028303	211.75786
1.6	371.15	1.22	4.26	20.37	4.78	6.41	0.75	5.57	4.59	0.028205	203.68974
1.7	371.07	1.13	4.06	18.09	4.45	6.15	0.72	5.38	4.76	0.028856	202.34221
1.8	370.98	1.04	3.88	15.36	3.96	5.87	0.67	5.17	4.97	0.031524	206.15532
1.9	370.89	0.95	3.7	12.71	3.43	5.6	0.61	4.96	5.22	0.033035	196.33009
2	370.8	0.86	3.5	10.45	2.99	5.33	0.56	4.76	5.52	0.034128	185.44373
2.1	370.71	0.77	3.27	8.48	2.59	5.07	0.51	4.56	5.88	0.034407	170.80032
2.2	370.63	0.69	3.04	6.87	2.26	4.82	0.47	4.37	6.3	0.03453	156.8721
2.3	370.56	0.62	2.82	5.51	1.96	4.6	0.43	4.2	6.77	0.034629	143.05463
2.4	370.5	0.56	2.61	4.47	1.71	4.4	0.39	4.06	7.27	0.034554	129.92674
2.5	370.44	0.5	2.43	3.64	1.5	4.24	0.35	3.93	7.8	0.03454	118.21711

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19381

MASSIMA PORTATA 23.06 AT TIME 1.32
MASSIMA QUOTA PELO LIBERO 370.7 AT TIME 1.39

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	369.44	0	0	0	0	0	0	0	0	0	0
0.1	369.44	0	0	0	0	0	0	0	0	0	0
0.2	369.45	0.01	0.04	0	0.02	0.41	0	0.41	0	0.031396	0
0.3	369.51	0.07	0.44	0.05	0.11	2.17	0.05	2.17	30	0.03358	15.94378
0.4	369.54	0.1	0.72	0.15	0.21	2.62	0.08	2.61	26.69	0.032436	25.64392
0.5	369.59	0.15	0.99	0.39	0.4	3.05	0.13	3	20.4	0.032591	41.19645
0.6	369.69	0.25	1.48	1.12	0.76	3.47	0.22	3.35	13.33	0.032271	68.14914
0.7	369.83	0.39	2.07	2.62	1.26	3.91	0.32	3.68	9.32	0.031934	100.01472
0.8	370	0.56	2.68	5.1	1.9	4.41	0.43	4.06	7.26	0.031286	130.67984
0.9	370.17	0.73	3.27	8.59	2.63	4.93	0.53	4.45	6.11	0.030338	156.83073
1	370.3	0.86	3.72	12.06	3.24	5.34	0.61	4.76	5.52	0.03076	181.12646
1.1	370.45	1.01	4.15	16.17	3.9	5.8	0.67	5.11	5.04	0.028771	187.43443
1.2	370.56	1.12	4.43	19.51	4.4	6.11	0.72	5.35	4.79	0.031615	220.52231
1.3	370.63	1.19	4.64	21.49	4.63	6.34	0.73	5.52	4.63	0.035133	248.74271
1.4	370.67	1.23	4.75	22.28	4.69	6.46	0.73	5.61	4.56	0.042648	299.9765
1.5	370.65	1.22	4.71	21.8	4.63	6.41	0.72	5.57	4.59	0.041233	288.45187
1.6	370.6	1.16	4.54	20.38	4.49	6.24	0.72	5.44	4.7	0.049368	344.14078
1.7	370.56	1.12	4.47	18.1	4.05	6.13	0.66	5.36	4.77	0.039968	255.6861
1.8	370.47	1.03	4.21	15.38	3.65	5.84	0.62	5.14	5	0.032477	196.71098
1.9	370.35	0.91	3.85	12.72	3.3	5.47	0.6	4.86	5.36	0.031334	183.11375
2	370.25	0.81	3.54	10.46	2.96	5.18	0.57	4.64	5.72	0.030105	166.58754
2.1	370.16	0.73	3.24	8.49	2.62	4.92	0.53	4.45	6.12	0.030429	156.91357
2.2	370.09	0.66	2.99	6.87	2.3	4.7	0.49	4.28	6.53	0.030751	145.87477
2.3	370.03	0.59	2.74	5.52	2.01	4.5	0.45	4.12	7.02	0.030907	134.21161
2.4	369.97	0.53	2.53	4.47	1.77	4.31	0.41	3.99	7.55	0.031272	124.41386
2.5	369.91	0.48	2.34	3.64	1.56	4.15	0.38	3.87	8.13	0.031294	113.92675

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19382

MASSIMA PORTATA 24.30 AT TIME 1.35
MASSIMA QUOTA PELO LIBERO 370.19 AT TIME 1.35

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	368.94	0	0	0	0	0	0	0	0	0	0
0.1	368.94	0	0	0	0	0	0	0	0	0	0
0.2	368.94	0	0	0	0	0	0	0	0	0.03566	0
0.3	369.02	0.08	0.45	0.05	0.1	2.45	0.04	2.44	30	0.033636	13.54372
0.4	369.08	0.14	0.76	0.15	0.19	2.98	0.06	2.94	21.12	0.033924	21.24873
0.5	369.14	0.21	1.09	0.39	0.36	3.33	0.11	3.24	15.74	0.034687	35.88118
0.6	369.25	0.31	1.61	1.1	0.69	3.66	0.19	3.5	11.11	0.035777	65.0192
0.7	369.39	0.45	2.23	2.6	1.17	4.09	0.29	3.82	8.42	0.037207	102.90491
0.8	369.55	0.61	2.87	5.08	1.77	4.58	0.39	4.19	6.82	0.039268	147.12779
0.9	369.72	0.78	3.5	8.57	2.45	5.1	0.48	4.58	5.84	0.041345	192.37762
1	369.85	0.91	3.97	12.04	3.03	5.49	0.55	4.88	5.34	0.04194	224.72481
1.1	369.97	1.03	4.36	16.15	3.71	5.84	0.64	5.14	5	0.039179	241.1873
1.2	370.06	1.12	4.63	19.5	4.21	6.11	0.69	5.35	4.79	0.046395	309.65182
1.3	370.07	1.13	4.66	21.49	4.61	6.15	0.75	5.37	4.76	0.049258	358.02344
1.4	370.05	1.11	4.37	22.25	5.1	6.09	0.84	5.33	4.8	0.046854	380.08643
1.5	370.04	1.1	4.07	21.83	5.36	6.07	0.88	5.32	4.82	0.046995	402.34644
1.6	370.05	1.11	4.37	20.38	4.66	6.09	0.77	5.33	4.81	0.047989	356.39178
1.7	369.91	0.97	3.87	18.11	4.68	5.68	0.82	5.02	5.15	0.049085	392.27435
1.8	369.85	0.91	3.9	15.38	3.95	5.5	0.72	4.88	5.33	0.04906	341.55054
1.9	369.83	0.89	3.93	12.73	3.24	5.43	0.6	4.83	5.4	0.044929	259.68243
2	369.79	0.85	3.74	10.47	2.8	5.29	0.53	4.72	5.58	0.041821	214.45
2.1	369.72	0.78	3.5	8.49	2.43	5.1	0.48	4.58	5.84	0.040905	188.94548
2.2	369.65	0.71	3.23	6.88	2.13	4.88	0.44	4.41	6.19	0.040117	169.65628
2.3	369.58	0.65	2.98	5.53	1.85	4.68	0.4	4.26	6.59	0.039332	151.20961
2.4	369.53	0.59	2.76	4.48	1.62	4.5	0.36	4.13	7.02	0.038156	133.61198
2.5	369.47	0.54	2.55	3.65	1.43	4.34	0.33	4	7.48	0.037593	120.17683

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19383

MASSIMA PORTATA 27.08 AT TIME 1.32
MASSIMA QUOTA PELO LIBERO 370.08 AT TIME 1.48

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	368.44	0	0	0	0	0	0	0	0	0	0
0.1	368.44	0	0	0	0	0	0	0	0	0	0
0.2	368.44	0	0	0	0	0	0	0	0	0	0
0.3	368.5	0.06	0.35	0.04	0.13	1.87	0.07	1.87	30	0.033112	21.67115
0.4	368.52	0.08	0.67	0.15	0.22	2.43	0.09	2.42	30	0.034194	29.79166
0.5	368.56	0.12	0.95	0.38	0.4	2.81	0.14	2.79	23.21	0.033856	47.01755
0.6	368.65	0.21	1.36	1.09	0.8	3.34	0.24	3.25	15.47	0.034391	80.09144
0.7	368.78	0.34	1.85	2.59	1.39	3.75	0.37	3.56	10.4	0.035688	128.73323
0.8	368.93	0.49	2.35	5.06	2.15	4.21	0.51	3.91	7.92	0.037864	187.56844
0.9	369.08	0.65	2.84	8.55	3.01	4.67	0.64	4.26	6.6	0.038963	243.37317
1	369.21	0.77	3.19	12.02	3.76	5.07	0.74	4.56	5.88	0.039732	285.96289
1.1	369.38	0.94	3.65	16.13	4.43	5.57	0.79	4.94	5.26	0.049045	377.82068
1.2	369.48	1.04	3.81	19.47	5.12	5.89	0.87	5.18	4.96	0.0448	377.03986
1.3	369.62	1.18	3.57	21.45	6	6.32	0.95	5.5	4.65	0.036602	337.16272
1.4	369.81	1.38	3.03	22.19	7.32	6.9	1.06	5.94	4.32	0.022775	234.01477
1.5	369.91	1.47	2.76	21.79	7.88	7.19	1.1	6.16	4.19	0.0259	275.13882
1.6	369.67	1.23	3.08	20.34	6.61	6.45	1.02	5.6	4.56	0.013491	134.03282
1.7	369.79	1.35	2.52	18.1	7.18	6.82	1.05	5.89	4.36	0.02345	238.98076
1.8	369.58	1.14	2.62	15.42	5.88	6.19	0.95	5.4	4.73	0.03579	329.93814
1.9	369.32	0.88	2.92	12.74	4.37	5.4	0.81	4.81	5.44	0.040108	314.62515
2	369.18	0.74	2.89	10.48	3.62	4.97	0.73	4.48	6.04	0.038128	269.29819
2.1	369.08	0.64	2.73	8.5	3.11	4.66	0.67	4.25	6.64	0.036845	238.71375
2.2	369.01	0.57	2.51	6.89	2.75	4.45	0.62	4.09	7.14	0.036045	215.5437
2.3	368.95	0.51	2.3	5.54	2.41	4.25	0.57	3.94	7.75	0.036218	198.57806
2.4	368.89	0.45	2.14	4.49	2.09	4.09	0.51	3.82	8.42	0.035496	176.33066
2.5	368.85	0.41	2.03	3.65	1.8	3.94	0.46	3.71	9.11	0.034985	154.49727

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19384

MASSIMA	PORTATA	26.99	AT TIME	1.35
MASSIMA	QUOTA PELO LIBERO	370.08	AT TIME	1.52

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.94	0	0	0	0	0	0	0	0	0	0
0.1	367.94	0	0	0	0	0	0	0	0	0	0
0.2	367.94	0	0	0	0	0	0	0	0	0	0
0.3	368.03	0.09	0.23	0.04	0.16	2.54	0.06	2.53	28.63	0.018613	11.60278
0.4	368.09	0.16	0.42	0.14	0.33	3.12	0.11	3.07	19.73	0.017284	17.67626
0.5	368.17	0.23	0.62	0.37	0.6	3.42	0.18	3.31	14.11	0.015951	27.23026
0.6	368.32	0.38	0.94	1.08	1.14	3.86	0.3	3.64	9.62	0.014459	41.59776
0.7	368.51	0.57	1.33	2.56	1.93	4.43	0.44	4.08	7.19	0.013348	56.38664
0.8	368.72	0.79	1.73	5.03	2.91	5.1	0.57	4.58	5.83	0.012844	70.98343
0.9	368.95	1.02	2.12	8.51	4.02	5.81	0.69	5.11	5.03	0.011944	80.11642
1	369.13	1.19	2.41	11.97	4.96	6.34	0.78	5.52	4.63	0.014394	109.155
1.1	369.24	1.3	2.76	16.13	5.84	6.66	0.88	5.76	4.44	0.016356	139.01149
1.2	369.39	1.45	2.68	19.44	7.26	7.12	1.02	6.11	4.22	0.008733	86.31378
1.3	369.55	1.61	2.62	21.46	8.2	7.62	1.08	6.49	4.03	0.008463	88.25239
1.4	369.79	1.85	2.38	22.13	9.31	11.09	0.84	6.6	3.56	0.00706	57.42872
1.5	369.87	1.93	2.24	21.7	9.67	11.09	0.87	6.6	3.42	0.007036	59.48994
1.6	369.73	1.79	2.26	20.34	9	11.09	0.81	6.6	3.68	0.006074	47.75097
1.7	369.75	1.81	2.06	18.11	8.81	11.09	0.79	6.6	3.64	0.004893	37.6908
1.8	369.54	1.6	2.08	15.5	7.44	7.6	0.98	6.47	4.04	0.007097	67.39467
1.9	369.26	1.32	2.24	12.78	5.7	6.74	0.85	5.82	4.4	0.00881	72.29852
2	369.11	1.17	2.17	10.48	4.83	6.27	0.77	5.47	4.68	0.010439	77.97103
2.1	369	1.06	1.99	8.51	4.27	5.95	0.72	5.22	4.91	0.010353	72.06227
2.2	368.91	0.97	1.81	6.9	3.82	5.68	0.67	5.02	5.15	0.010318	67.21078
2.3	368.83	0.89	1.63	5.54	3.39	5.42	0.63	4.82	5.42	0.00992	60.20898
2.4	368.74	0.8	1.5	4.5	3	5.15	0.58	4.62	5.76	0.01104	62.25204
2.5	368.65	0.71	1.4	3.66	2.62	4.87	0.54	4.41	6.21	0.011006	57.3811

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19385

MASSIMA	PORTATA	26.27	AT TIME	1.48
MASSIMA	QUOTA PELO LIBERO	370.07	AT TIME	1.51

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.85	0	0	0	0	0	0	0	0	0	0
0.1	367.85	0	0	0	0	0	0	0	0	0	0
0.2	367.85	0	0	0	0	0	0	0	0	0	0
0.3	367.93	0.08	0.2	0.03	0.16	2.4	0.07	2.4	30	0.006019	3.98969
0.4	368	0.16	0.4	0.13	0.33	3.12	0.11	3.07	19.77	0.005701	5.8609

0.5	368.09	0.24	0.59	0.36	0.62	3.44	0.18	3.33	13.74	0.005657	9.84835
0.6	368.25	0.4	0.89	1.06	1.19	3.93	0.3	3.7	9.21	0.005148	15.10656
0.7	368.46	0.62	1.25	2.54	2.04	4.59	0.44	4.2	6.82	0.004383	18.86728
0.8	368.69	0.84	1.63	5.01	3.07	5.28	0.58	4.72	5.61	0.003729	21.0119
0.9	368.91	1.07	2.02	8.49	4.2	5.97	0.7	5.24	4.92	0.00564	38.5033
1	369.09	1.24	2.31	11.96	5.18	6.5	0.8	5.65	4.55	0.005688	43.90535
1.1	369.29	1.44	2.53	16.1	6.37	7.13	0.89	6.12	4.24	0	0
1.2	369.6	1.76	2.29	19.27	8.4	11.06	0.76	6.6	3.76	0	0
1.3	369.73	1.88	2.3	21.32	9.26	11.06	0.84	6.6	3.51	0	0
1.4	369.83	1.98	2.23	21.97	9.84	11.06	0.89	6.6	3.34	0.004406	37.99893
1.5	369.86	2.01	2.15	21.62	10.05	11.06	0.91	6.6	3.28	0.003534	31.14734
1.6	369.79	1.94	2.1	20.28	9.65	11.06	0.87	6.6	3.39	0.00679	57.42297
1.7	369.71	1.86	2	18.12	9.07	11.06	0.82	6.6	3.55	0.004387	34.89145
1.8	369.5	1.66	2.01	15.56	7.74	11.06	0.7	6.6	3.98	0.004537	30.7802
1.9	369.22	1.38	2.13	12.81	6.01	6.92	0.87	5.97	4.33	0.00247	20.7944
2	369.07	1.22	2.06	10.52	5.1	6.44	0.79	5.6	4.59	0.00474	36.38443
2.1	368.97	1.12	1.88	8.53	4.54	6.13	0.74	5.37	4.79	0.004438	31.87051
2.2	368.88	1.03	1.69	6.92	4.09	5.87	0.7	5.17	5	0.003818	25.77465
2.3	368.8	0.95	1.52	5.56	3.66	5.61	0.65	4.97	5.24	0.002555	16.16358
2.4	368.72	0.87	1.37	4.51	3.29	5.37	0.61	4.79	5.5	0.002403	14.24562
2.5	368.65	0.8	1.24	3.67	2.96	5.15	0.57	4.63	5.78	0.002228	12.3856

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19386

MASSIMA PORTATA 26.64 AT TIME 1.35
MASSIMA QUOTA PELO LIBERO 370.05 AT TIME 1.51

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.76	0	0	0	0	0	0	0	0	0	0
0.1	367.76	0	0	0	0	0	0	0	0	0	0
0.2	367.76	0	0	0	0	0	0	0	0	0	0
0.3	367.83	0.07	0.16	0.03	0.16	2.04	0.08	2.03	30	0.006003	4.70497
0.4	367.91	0.16	0.39	0.13	0.32	3.14	0.1	3.09	19.7	0.005791	5.75653
0.5	368	0.24	0.58	0.35	0.61	3.45	0.18	3.34	13.67	0.005965	10.17262
0.6	368.16	0.4	0.88	1.04	1.17	3.94	0.3	3.71	9.22	0.006025	17.39219
0.7	368.37	0.62	1.24	2.51	2.02	4.59	0.44	4.21	6.83	0.005941	25.30628
0.8	368.61	0.85	1.61	4.98	3.08	5.32	0.58	4.76	5.58	0.005184	29.11913
0.9	368.84	1.09	1.98	8.46	4.26	6.04	0.71	5.3	4.89	0.00576	39.41333
1	369.02	1.27	2.26	11.92	5.28	6.59	0.8	5.73	4.52	0.005134	39.86558
1.1	369.23	1.47	2.47	16.07	6.51	7.22	0.9	6.21	4.22	0.005687	49.64735
1.2	369.55	1.79	2.23	19.14	8.6	11.02	0.78	6.6	3.68	0.006174	46.67587
1.3	369.68	1.93	2.24	21.2	9.44	11.02	0.86	6.6	3.43	0.003731	30.97976
1.4	369.76	2	2.18	21.84	10.01	11.02	0.91	6.6	3.29	0.005237	46.07352
1.5	369.79	2.04	2.12	21.61	10.19	11.02	0.92	6.6	3.24	0.003062	27.43333
1.6	369.74	1.98	2.05	20.25	9.86	11.02	0.89	6.6	3.33	0.007457	64.6143
1.7	369.65	1.89	1.96	18.13	9.24	11.02	0.84	6.6	3.5	0.002792	22.68167
1.8	369.45	1.69	1.97	15.61	7.93	11.02	0.72	6.6	3.91	0.003049	21.2599
1.9	369.18	1.42	2.05	12.85	6.26	7.07	0.89	6.09	4.29	0.00455	39.03288
2	369.02	1.26	1.98	10.54	5.33	6.58	0.81	5.72	4.53	0.004125	32.381
2.1	368.92	1.16	1.79	8.54	4.77	6.27	0.76	5.48	4.72	0.0038	27.97921
2.2	368.84	1.08	1.61	6.93	4.31	6.01	0.72	5.28	4.91	0.003419	23.7664
2.3	368.75	1	1.43	5.57	3.89	5.76	0.68	5.09	5.12	0.003591	23.52173
2.4	368.68	0.92	1.28	4.52	3.53	5.54	0.64	4.92	5.34	0.002974	18.36667
2.5	368.61	0.86	1.15	3.68	3.21	5.33	0.6	4.77	5.57	0.002849	16.62191

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19387

MASSIMA PORTATA 26.24 AT TIME 1.35
MASSIMA QUOTA PELO LIBERO 369.92 AT TIME 1.53

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.68	0	0	0	0	0	0	0	0	0	0
0.1	367.68	0	0	0	0	0	0	0	0	0	0
0.2	367.68	0	0	0	0	0	0	0	0	0	0
0.3	367.73	0.05	0.13	0.02	0.16	1.62	0.1	1.61	30	0.006432	6.23252
0.4	367.83	0.15	0.39	0.12	0.3	3.08	0.1	3.03	20.29	0.006075	5.83107
0.5	367.91	0.24	0.58	0.34	0.59	3.42	0.17	3.32	14.09	0.006118	10.16606
0.6	368.07	0.39	0.89	1.02	1.15	3.91	0.29	3.69	9.42	0.006164	17.53156
0.7	368.28	0.61	1.24	2.48	2	4.57	0.44	4.19	6.92	0.006039	25.58826
0.8	368.52	0.85	1.61	4.95	3.08	5.31	0.58	4.75	5.62	0.006061	34.0834
0.9	368.76	1.09	1.96	8.42	4.29	6.05	0.71	5.32	4.9	0.005679	39.04264
1	368.95	1.27	2.21	11.88	5.37	6.63	0.81	5.76	4.52	0.005284	41.47676

1.1	369.16	1.48	2.41	16.02	6.65	7.28	0.91	6.26	4.22	0.004583	40.56168
1.2	369.49	1.81	2.18	19.06	8.74	10.99	0.8	6.6	3.65	0.007238	55.7723
1.3	369.61	1.93	2.21	21.12	9.56	10.99	0.87	6.6	3.41	0.006475	54.58517
1.4	369.7	2.02	2.14	21.77	10.19	10.99	0.93	6.6	3.26	0.004244	38.12722
1.5	369.72	2.04	2.09	21.57	10.34	10.99	0.94	6.6	3.23	0.008632	78.6841
1.6	369.68	2	2.02	20.26	10.05	10.99	0.91	6.6	3.3	0.006348	56.28386
1.7	369.58	1.91	1.92	18.1	9.42	10.99	0.86	6.6	3.46	0.004135	34.36487
1.8	369.39	1.71	1.93	15.67	8.12	10.99	0.74	6.6	3.86	0.003191	22.85307
1.9	369.13	1.45	1.98	12.87	6.5	7.18	0.9	6.18	4.26	0.003951	34.63704
2	368.98	1.3	1.9	10.55	5.55	6.7	0.83	5.82	4.48	0.004213	33.78949
2.1	368.88	1.2	1.72	8.56	4.98	6.4	0.78	5.58	4.66	0.003915	29.55308
2.2	368.79	1.12	1.53	6.94	4.54	6.15	0.74	5.39	4.83	0.0036	25.80293
2.3	368.72	1.04	1.35	5.58	4.14	5.9	0.7	5.21	5.02	0.003301	22.42703
2.4	368.65	0.97	1.2	4.53	3.78	5.69	0.67	5.04	5.21	0.00284	18.31159
2.5	368.58	0.9	1.06	3.69	3.47	5.49	0.63	4.89	5.41	0.002631	16.13705

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19388

MASSIMA PORTATA 26.89 AT TIME 1.35
MASSIMA QUOTA PELO LIBERO 369.84 AT TIME 1.34

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.59	0	0	0	0	0	0	0	0	0	0
0.1	367.59	0	0	0	0	0	0	0	0	0	0
0.2	367.59	0	0	0	0	0	0	0	0	0	0
0.3	367.63	0.04	0.11	0.02	0.17	1.27	0.13	1.27	30.01	0.006365	8.0219
0.4	367.73	0.15	0.38	0.11	0.29	3.04	0.1	3	20.63	0.00627	5.86411
0.5	367.82	0.23	0.58	0.33	0.58	3.42	0.17	3.31	14.27	0.00627	10.25593
0.6	367.98	0.39	0.88	1	1.13	3.9	0.29	3.68	9.49	0.006265	17.67803
0.7	368.19	0.6	1.23	2.45	2	4.57	0.44	4.19	6.94	0.006074	25.75257
0.8	368.44	0.85	1.58	4.91	3.11	5.33	0.58	4.77	5.62	0.006043	34.1809
0.9	368.68	1.09	1.93	8.39	4.35	6.09	0.72	5.35	4.9	0.005839	40.47552
1	368.88	1.29	2.15	11.84	5.49	6.7	0.82	5.82	4.51	0.005446	43.26575
1.1	369.1	1.51	2.34	15.97	6.83	7.38	0.93	6.34	4.2	0.005468	49.08652
1.2	369.42	1.83	2.13	18.99	8.92	10.96	0.81	6.6	3.6	0.006451	50.88455
1.3	369.54	1.95	2.16	21.09	9.75	10.96	0.89	6.6	3.38	0.005471	47.17012
1.4	369.64	2.05	2.08	21.71	10.44	10.96	0.95	6.6	3.22	0.004062	37.51019
1.5	369.66	2.07	2.04	21.53	10.57	10.96	0.96	6.6	3.18	0.012467	116.52786
1.6	369.62	2.03	1.97	20.22	10.29	10.96	0.94	6.6	3.25	0.00582	52.9536
1.7	369.52	1.94	1.87	18.1	9.66	10.96	0.88	6.6	3.41	0.006607	56.45634
1.8	369.33	1.74	1.88	15.7	8.37	10.96	0.76	6.6	3.79	0.003162	23.41934
1.9	369.08	1.49	1.9	12.91	6.78	7.33	0.93	6.3	4.22	0.004281	38.40504
2	368.92	1.33	1.82	10.57	5.79	6.83	0.85	5.92	4.44	0.004281	35.20275
2.1	368.82	1.24	1.64	8.57	5.23	6.53	0.8	5.69	4.6	0.003923	30.48127
2.2	368.75	1.16	1.44	6.95	4.82	6.29	0.77	5.51	4.75	0.003485	25.84881
2.3	368.67	1.09	1.26	5.59	4.43	6.07	0.73	5.34	4.91	0.003037	21.49235
2.4	368.61	1.02	1.11	4.54	4.09	5.86	0.7	5.18	5.08	0.00264	17.83953
2.5	368.55	0.96	0.98	3.7	3.79	5.68	0.67	5.04	5.24	0.002323	15.03171

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19389

MASSIMA PORTATA 27.52 AT TIME 1.35
MASSIMA QUOTA PELO LIBERO 369.84 AT TIME 1.43

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.5	0	0	0	0	0	0	0	0	0	0
0.1	367.5	0	0	0	0	0	0	0	0	0	0
0.2	367.5	0	0	0	0	0	0	0	0	0	0
0.3	367.53	0.03	0.08	0.01	0.17	0.99	0.17	0.99	30	0.005175	8.68122
0.4	367.64	0.14	0.38	0.11	0.28	3.01	0.09	2.97	20.98	0.006257	5.68172
0.5	367.73	0.23	0.57	0.32	0.57	3.41	0.17	3.31	14.45	0.006263	10.08647
0.6	367.88	0.38	0.87	0.98	1.13	3.89	0.29	3.68	9.56	0.006187	17.37968
0.7	368.1	0.61	1.2	2.43	2.02	4.58	0.44	4.21	6.95	0.005925	25.27036
0.8	368.35	0.86	1.54	4.88	3.16	5.36	0.59	4.8	5.61	0.005779	33.04463
0.9	368.6	1.11	1.88	8.35	4.44	6.14	0.72	5.4	4.88	0.005657	39.69574
1	368.81	1.31	2.09	11.79	5.64	6.78	0.83	5.89	4.49	0.005452	43.98288
1.1	369.04	1.54	2.26	15.92	7.04	7.48	0.94	6.43	4.18	0.005461	49.80183
1.2	369.35	1.86	2.07	18.9	9.12	10.93	0.83	6.6	3.56	0.003176	25.70031
1.3	369.48	1.98	2.11	21.08	9.98	10.93	0.91	6.6	3.33	0.003893	34.45264
1.4	369.59	2.09	2.03	21.68	10.7	10.93	0.98	6.6	3.16	0.003539	33.58231
1.5	369.61	2.11	1.99	21.51	10.81	10.93	0.99	6.6	3.13	0.00102	9.79106
1.6	369.56	2.06	1.92	20.2	10.54	10.93	0.97	6.6	3.2	0.005056	47.29774

1.7	369.47	1.97	1.82	18.11	9.93	10.93	0.91	6.6	3.35	0.006899	60.75965
1.8	369.28	1.78	1.82	15.73	8.65	10.93	0.79	6.6	3.71	0.003762	28.86355
1.9	369.04	1.54	1.82	12.95	7.11	7.48	0.95	6.43	4.18	0.00389	35.82959
2	368.87	1.38	1.74	10.59	6.09	6.98	0.87	6.04	4.39	0.0038	32.1442
2.1	368.78	1.28	1.55	8.59	5.54	6.69	0.83	5.82	4.54	0.003398	27.27203
2.2	368.71	1.21	1.35	6.96	5.14	6.47	0.79	5.65	4.66	0.002919	22.48737
2.3	368.64	1.14	1.17	5.6	4.77	6.26	0.76	5.49	4.8	0.002463	18.20763
2.4	368.58	1.08	1.02	4.55	4.44	6.06	0.73	5.34	4.94	0.002077	14.74303
2.5	368.53	1.03	0.89	3.71	4.16	5.89	0.71	5.21	5.07	0.001779	12.15876

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19390

MASSIMA PORTATA 27.84 AT TIME 1.35
MASSIMA QUOTA PELO LIBERO 369.72 AT TIME 1.48

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.41	0	0	0	0	0	0	0	0	0	0
0.1	367.41	0	0	0	0	0	0	0	0	0	0
0.2	367.41	0	0	0	0	0	0	0	0	0	0
0.3	367.43	0.02	0.05	0.01	0.03	0.63	0	0.63	0	0.005375	0
0.4	367.55	0.14	0.36	0.1	0.28	2.97	0.09	2.93	21.37	0.006096	5.525
0.5	367.63	0.23	0.55	0.31	0.56	3.4	0.17	3.3	14.62	0.006097	9.80975
0.6	367.79	0.38	0.84	0.96	1.13	3.89	0.29	3.68	9.59	0.005943	16.79122
0.7	368.02	0.61	1.17	2.4	2.06	4.6	0.45	4.23	6.92	0.005602	24.25326
0.8	368.28	0.87	1.49	4.85	3.25	5.41	0.6	4.84	5.58	0.00539	31.35699
0.9	368.53	1.12	1.82	8.32	4.57	6.2	0.74	5.46	4.86	0.005318	37.94898
1	368.75	1.34	2.01	11.75	5.83	6.88	0.85	5.97	4.46	0.004995	41.05282
1.1	368.98	1.57	2.17	15.86	7.31	7.6	0.96	6.53	4.16	0.004789	44.68814
1.2	369.29	1.89	2.01	18.81	9.37	10.89	0.86	6.6	3.5	0.003356	27.96902
1.3	369.42	2.02	2.06	21.03	10.23	10.89	0.94	6.6	3.27	0.00387	35.24163
1.4	369.53	2.12	1.98	21.65	10.95	10.89	1	6.6	3.11	0.003074	29.94664
1.5	369.55	2.14	1.94	21.48	11.08	10.89	1.02	6.6	3.08	0	0
1.6	369.51	2.1	1.87	20.28	10.82	10.89	0.99	6.6	3.14	0.003847	37.0368
1.7	369.42	2.01	1.77	18.1	10.21	10.89	0.94	6.6	3.28	0.004921	44.72151
1.8	369.23	1.82	1.76	15.76	8.95	10.89	0.82	6.6	3.63	0.005669	45.12598
1.9	369	1.59	1.74	12.98	7.46	7.66	0.97	6.58	4.14	0.003434	32.38717
2	368.83	1.43	1.65	10.61	6.44	7.15	0.9	6.18	4.33	0.003308	28.8636
2.1	368.74	1.34	1.46	8.6	5.89	6.87	0.86	5.97	4.47	0.002882	23.95661
2.2	368.68	1.27	1.26	6.97	5.51	6.66	0.83	5.81	4.57	0.002388	19.15048
2.3	368.62	1.21	1.09	5.61	5.16	6.47	0.8	5.66	4.68	0.00196	15.15949
2.4	368.56	1.15	0.94	4.56	4.84	6.29	0.77	5.52	4.8	0.0016	11.93818
2.5	368.51	1.1	0.81	3.71	4.57	6.13	0.75	5.4	4.91	0.001338	9.66054

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19391

MASSIMA PORTATA 28.67 AT TIME 1.35
MASSIMA QUOTA PELO LIBERO 369.73 AT TIME 1.48

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.32	0	0	0	0	0	0	0	0	0	0
0.1	367.32	0	0	0	0	0	0	0	0	0	0
0.2	367.32	0	0	0	0	0	0	0	0	0	0
0.3	367.33	0.01	0	0	0	0	0	0	0	0.009486	0
0.4	367.46	0.14	0.36	0.09	0.27	2.99	0.09	2.95	21.23	0.005871	5.07227
0.5	367.55	0.23	0.55	0.3	0.55	3.41	0.16	3.31	14.55	0.005903	9.31293
0.6	367.71	0.39	0.82	0.93	1.14	3.91	0.29	3.7	9.53	0.005578	15.79512
0.7	367.94	0.62	1.12	2.37	2.11	4.65	0.45	4.26	6.84	0.005158	22.66606
0.8	368.21	0.89	1.44	4.81	3.34	5.48	0.61	4.9	5.52	0.004946	29.25013
0.9	368.47	1.15	1.76	8.28	4.7	6.29	0.75	5.53	4.82	0.004915	35.61933
1	368.69	1.37	1.93	11.7	6.06	7	0.87	6.07	4.43	0.004115	34.54491
1.1	368.93	1.62	2.07	15.8	7.64	10.86	0.7	6.6	4.08	0.004252	28.98731
1.2	369.24	1.92	1.95	18.74	9.61	10.86	0.89	6.6	3.43	0.005554	47.66185
1.3	369.37	2.05	2.01	21.03	10.48	10.86	0.97	6.6	3.21	0.004207	39.37012
1.4	369.48	2.16	1.93	21.59	11.21	10.86	1.03	6.6	3.05	0.005003	50.03281
1.5	369.5	2.18	1.89	21.45	11.36	10.86	1.05	6.6	3.02	0.003738	37.89643
1.6	369.46	2.14	1.83	20.33	11.1	10.86	1.02	6.6	3.08	0.002995	29.66755
1.7	369.37	2.05	1.73	18.1	10.49	10.86	0.97	6.6	3.22	0.002933	27.45485
1.8	369.18	1.86	1.71	15.82	9.27	10.86	0.85	6.6	3.54	0.003942	32.63614
1.9	368.96	1.64	1.67	13.01	7.79	10.86	0.72	6.6	4.03	0.002667	18.53957
2	368.8	1.48	1.55	10.63	6.85	7.35	0.93	6.34	4.27	0.002349	21.22692
2.1	368.72	1.4	1.37	8.61	6.31	7.07	0.89	6.13	4.39	0.001996	17.24504
2.2	368.65	1.34	1.18	6.98	5.94	6.89	0.86	5.99	4.48	0.001569	13.11546

2.3	368.6	1.28	1	5.62	5.59	6.7	0.83	5.85	4.57	0.001223	9.89389
2.4	368.54	1.22	0.86	4.56	5.28	6.53	0.81	5.72	4.67	0.001003	7.85167
2.5	368.49	1.18	0.74	3.72	5	6.38	0.78	5.6	4.76	0.000706	5.36555

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19392

MASSIMA	PORTATA	29.06	AT TIME	1.35
MASSIMA	QUOTA PELO LIBERO	369.61	AT TIME	1.47

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.24	0	0	0	0	0	0	0	0	0	0
0.1	367.24	0	0	0	0	0	0	0	0	0	0
0.2	367.24	0	0	0	0	0	0	0	0	0	0
0.3	367.24	0	0	0	0	0	0	0	0	0	0
0.4	367.37	0.13	0.35	0.09	0.25	2.9	0.09	2.87	22.04	0.006218	5.16296
0.5	367.46	0.22	0.53	0.29	0.55	3.38	0.16	3.29	14.98	0.00569	8.93778
0.6	367.63	0.39	0.77	0.91	1.18	3.91	0.3	3.7	9.55	0.005098	14.91613
0.7	367.87	0.63	1.06	2.33	2.2	4.69	0.47	4.3	6.79	0.004752	21.628
0.8	368.14	0.91	1.37	4.78	3.48	5.54	0.63	4.96	5.48	0.00464	28.25559
0.9	368.41	1.17	1.69	8.24	4.89	6.37	0.77	5.6	4.79	0.004705	34.96059
1	368.65	1.41	1.83	11.64	6.36	7.13	0.89	6.19	4.39	0.003561	30.79774
1.1	368.9	1.66	1.97	15.73	7.99	10.83	0.74	6.6	3.97	0.003873	27.70643
1.2	369.19	1.95	1.89	18.68	9.9	10.83	0.91	6.6	3.38	0.005289	46.87864
1.3	369.32	2.09	1.95	20.99	10.79	10.83	1	6.6	3.16	0.004632	44.72826
1.4	369.43	2.2	1.88	21.66	11.52	10.83	1.06	6.6	3	0.005069	52.2655
1.5	369.46	2.22	1.84	21.56	11.71	10.83	1.08	6.6	2.97	0.004543	47.6476
1.6	369.42	2.18	1.78	20.34	11.44	10.83	1.06	6.6	3.02	0	0
1.7	369.33	2.09	1.68	18.15	10.8	10.83	1	6.6	3.16	0.001811	17.50025
1.8	369.15	1.91	1.65	15.86	9.63	10.83	0.89	6.6	3.45	0.001557	13.43231
1.9	368.92	1.69	1.6	13.04	8.17	10.83	0.75	6.6	3.92	0.002598	18.99475
2	368.79	1.55	1.46	10.65	7.32	7.58	0.97	6.53	4.21	0.001578	14.77881
2.1	368.71	1.47	1.27	8.63	6.81	7.31	0.93	6.33	4.31	0.001167	10.53628
2.2	368.65	1.41	1.08	6.99	6.44	7.13	0.9	6.18	4.39	0.000832	7.29341
2.3	368.59	1.35	0.92	5.63	6.09	6.95	0.88	6.05	4.47	0.000681	5.78619
2.4	368.54	1.3	0.79	4.57	5.77	6.78	0.85	5.92	4.55	0.000493	4.06388
2.5	368.49	1.25	0.68	3.73	5.48	6.63	0.83	5.8	4.63	0.000309	2.47962

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19393

MASSIMA	PORTATA	29.77	AT TIME	1.35
MASSIMA	QUOTA PELO LIBERO	369.61	AT TIME	1.48

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.15	0	0	0	0	0	0	0	0	0	0
0.1	367.15	0	0	0	0	0	0	0	0	0	0
0.2	367.15	0	0	0	0	0	0	0	0	0	0
0.3	367.15	0	0	0	0	0	0	0	0	0	0
0.4	367.27	0.12	0.28	0.08	0.28	2.77	0.1	2.75	23.35	0.005355	5.16568
0.5	367.37	0.22	0.45	0.28	0.62	3.4	0.18	3.3	14.76	0.004523	7.98271
0.6	367.56	0.41	0.68	0.89	1.3	3.98	0.33	3.75	9.21	0.004074	12.94234
0.7	367.81	0.66	0.96	2.3	2.39	4.79	0.5	4.38	6.6	0.003582	17.31281
0.8	368.09	0.94	1.27	4.74	3.74	5.67	0.66	5.06	5.38	0.003496	22.32637
0.9	368.36	1.21	1.58	8.2	5.2	6.51	0.8	5.72	4.73	0.003489	27.0027
1	368.61	1.47	1.71	11.57	6.77	7.32	0.92	6.34	4.33	0.002978	26.67534
1.1	368.87	1.72	1.86	15.66	8.42	10.79	0.78	6.6	3.84	0.002836	21.43666
1.2	369.15	2	1.82	18.64	10.26	10.79	0.95	6.6	3.3	0.003719	34.26508
1.3	369.29	2.14	1.87	20.99	11.2	10.79	1.04	6.6	3.08	0.003352	33.69669
1.4	369.4	2.25	1.82	21.62	11.89	10.79	1.1	6.6	2.93	0.0055	58.74316
1.5	369.43	2.28	1.79	21.67	12.13	10.79	1.12	6.6	2.89	0	0
1.6	369.39	2.24	1.73	20.49	11.82	10.79	1.09	6.6	2.95	0	0
1.7	369.29	2.14	1.64	18.25	11.16	10.79	1.03	6.6	3.08	0.002348	23.53502
1.8	369.12	1.97	1.58	15.92	10.05	10.79	0.93	6.6	3.36	0.002958	26.69585
1.9	368.9	1.75	1.52	13.09	8.63	10.79	0.8	6.6	3.78	0.002162	16.74839
2	368.77	1.62	1.36	10.67	7.83	10.79	0.73	6.6	4.07	0.001288	9.06297
2.1	368.7	1.55	1.17	8.64	7.38	7.6	0.97	6.55	4.22	0.000811	7.63409
2.2	368.64	1.5	1	7	7.01	7.42	0.95	6.42	4.29	0.000504	4.61889
2.3	368.59	1.44	0.85	5.64	6.66	7.24	0.92	6.28	4.36	0.000479	4.26884
2.4	368.53	1.39	0.72	4.58	6.32	7.07	0.89	6.15	4.44	0.000279	2.41738
2.5	368.49	1.34	0.62	3.74	6.02	6.92	0.87	6.03	4.51	0.000295	2.48714

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19394

MASSIMA PORTATA 29.73 AT TIME 1.35
MASSIMA QUOTA PELO LIBERO 369.66 AT TIME 1.43

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.06	0	0	0	0	0	0	0	0	0	0
0.1	367.06	0	0	0	0	0	0	0	0	0	0
0.2	367.06	0	0	0	0	0	0	0	0	0	0
0.3	367.06	0	0	0	0	0	0	0	0	0	0
0.4	367.19	0.13	0.22	0.07	0.31	2.92	0.11	2.89	21.96	0.003273	3.34348
0.5	367.32	0.26	0.4	0.27	0.67	3.51	0.19	3.39	13.05	0.003	5.55223
0.6	367.51	0.45	0.63	0.86	1.37	4.12	0.33	3.86	8.59	0.002933	9.48982
0.7	367.77	0.72	0.91	2.26	2.49	4.96	0.5	4.52	6.32	0.002489	12.13029
0.8	368.06	1	1.21	4.7	3.9	5.87	0.66	5.22	5.22	0.002137	13.76782
0.9	368.33	1.27	1.51	8.16	5.42	6.74	0.8	5.9	4.63	0.001942	15.14205
1	368.59	1.53	1.64	11.5	7.02	7.56	0.93	6.53	4.26	0.002286	20.57424
1.1	368.84	1.78	1.8	15.62	8.66	10.76	0.81	6.6	3.7	0.00186	14.51202
1.2	369.12	2.06	1.79	18.66	10.43	10.76	0.97	6.6	3.21	0.001432	13.44865
1.3	369.26	2.21	1.86	21.11	11.36	10.76	1.06	6.6	2.99	0.000838	8.58074
1.4	369.36	2.31	1.8	21.76	12.06	10.76	1.12	6.6	2.86	0.007376	80.09569
1.5	369.4	2.34	1.78	21.86	12.27	10.76	1.14	6.6	2.82	0.004825	53.31799
1.6	369.35	2.29	1.72	20.67	12	10.76	1.12	6.6	2.88	0.00268	28.9744
1.7	369.25	2.19	1.63	18.47	11.36	10.76	1.06	6.6	3.01	0.001485	15.19127
1.8	369.09	2.03	1.56	16.09	10.29	10.76	0.96	6.6	3.25	0.001333	12.35668
1.9	368.88	1.82	1.48	13.17	8.91	10.76	0.83	6.6	3.63	0.001339	10.74588
2	368.76	1.7	1.31	10.7	8.14	10.76	0.76	6.6	3.88	0.001158	8.48866
2.1	368.69	1.64	1.12	8.65	7.72	10.76	0.72	6.6	4.04	0.000663	4.6079
2.2	368.64	1.58	0.95	7.01	7.38	10.76	0.69	6.6	4.17	0.000375	2.49073
2.3	368.59	1.53	0.8	5.65	7.04	7.54	0.93	6.52	4.27	0.000225	2.03866
2.4	368.53	1.47	0.68	4.59	6.7	7.37	0.91	6.39	4.33	0.000144	1.26841
2.5	368.48	1.43	0.59	3.75	6.39	7.22	0.89	6.27	4.4	0.000207	1.78024

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19395

MASSIMA PORTATA 28.79 AT TIME 1.35
MASSIMA QUOTA PELO LIBERO 369.53 AT TIME 1.48

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.03	0	0	0	0	0	0	0	0	0	0
0.1	367.03	0	0	0	0	0	0	0	0	0	0
0.2	367.03	0	0	0	0	0	0	0	0	0	0
0.3	367.03	0	0	0	0	0	0	0	0	0	0
0.4	367.14	0.12	0.19	0.05	0.28	2.75	0.1	2.72	23.57	0.002547	2.55334
0.5	367.28	0.25	0.4	0.25	0.64	3.49	0.18	3.38	13.34	0.002517	4.48213
0.6	367.47	0.44	0.63	0.84	1.34	4.09	0.33	3.85	8.7	0.002541	8.05867
0.7	367.74	0.71	0.91	2.23	2.46	4.94	0.5	4.51	6.36	0.002393	11.53447
0.8	368.03	1	1.2	4.66	3.88	5.88	0.66	5.23	5.22	0.00204	13.06274
0.9	368.31	1.28	1.5	8.12	5.41	6.76	0.8	5.92	4.62	0.001871	14.50491
1	368.57	1.54	1.63	11.41	7	7.58	0.92	6.56	4.26	0.002279	20.39499
1.1	368.82	1.79	1.79	15.45	8.62	10.72	0.8	6.59	3.68	0.001848	14.40393
1.2	369.08	2.05	1.78	18.39	10.32	10.72	0.96	6.59	3.22	0.002288	21.3575
1.3	369.22	2.19	1.86	20.85	11.2	10.72	1.04	6.59	3.01	0.00275	27.84284
1.4	369.32	2.3	1.8	21.56	11.95	10.72	1.11	6.59	2.87	0.004715	50.95169
1.5	369.35	2.33	1.78	21.62	12.11	10.72	1.13	6.59	2.83	0.008096	88.68611
1.6	369.32	2.29	1.72	20.46	11.91	10.72	1.11	6.59	2.87	0.005821	62.69571
1.7	369.22	2.2	1.62	18.34	11.3	10.72	1.05	6.59	3	0	0
1.8	369.06	2.04	1.57	16.08	10.27	10.72	0.96	6.59	3.24	0	0
1.9	368.86	1.83	1.48	13.23	8.93	10.72	0.83	6.59	3.6	0.001367	11.04288
2	368.74	1.71	1.31	10.72	8.18	10.72	0.76	6.59	3.85	0.00123	9.09225
2.1	368.68	1.65	1.11	8.67	7.79	10.72	0.73	6.59	3.99	0.000816	5.75003
2.2	368.63	1.6	0.94	7.03	7.48	10.72	0.7	6.59	4.11	0.000578	3.91241
2.3	368.58	1.55	0.79	5.66	7.17	10.72	0.67	6.59	4.24	0.00032	2.07794
2.4	368.53	1.5	0.67	4.6	6.85	7.47	0.92	6.47	4.31	0.000175	1.55266
2.5	368.48	1.45	0.57	3.75	6.54	7.31	0.89	6.35	4.37	0.00028	2.42428

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19396

MASSIMA PORTATA 28.40 AT TIME 1.35
MASSIMA QUOTA PELO LIBERO 369.48 AT TIME 1.4

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	367.01	0	0	0	0	0	0	0	0	0	0
0.1	367.01	0	0	0	0	0	0	0	0	0	0
0.2	367.01	0	0	0	0	0	0	0	0	0	0
0.3	367.01	0	0	0	0	0	0	0	0	0	0
0.4	367.1	0.09	0.16	0.04	0.27	2.8	0.1	2.78	31.31	0.002698	2.51247
0.5	367.24	0.23	0.39	0.24	0.62	3.47	0.18	3.36	14.34	0.002595	4.47611
0.6	367.43	0.42	0.62	0.81	1.31	4.07	0.32	3.82	9.02	0.00259	8.07959
0.7	367.7	0.69	0.9	2.19	2.42	4.91	0.49	4.46	6.45	0.002433	11.64305
0.8	368	0.99	1.2	4.62	3.84	5.83	0.66	5.18	5.24	0.002351	15.00529
0.9	368.27	1.27	1.51	8.08	5.36	6.71	0.8	5.85	4.62	0.002282	17.67641
1	368.53	1.52	1.63	11.33	6.95	7.52	0.92	6.47	4.25	0.00246	22.04101
1.1	368.78	1.77	1.79	15.33	8.55	10.59	0.81	6.49	3.66	0.002096	16.3937
1.2	369.04	2.03	1.79	18.19	10.18	10.59	0.96	6.49	3.19	0.00097	9.03592
1.3	369.17	2.16	1.87	20.75	11.07	10.59	1.04	6.49	3	0.004503	45.59259
1.4	369.29	2.28	1.82	21.47	11.82	10.59	1.12	6.49	2.84	0.001229	13.28528
1.5	369.31	2.3	1.79	21.49	12	10.59	1.13	6.49	2.82	0.003305	36.3006
1.6	369.28	2.27	1.73	20.35	11.79	10.59	1.11	6.49	2.85	0.00426	45.9449
1.7	369.19	2.18	1.63	18.26	11.23	10.59	1.06	6.49	2.97	0	0
1.8	369.04	2.03	1.57	16.13	10.25	10.59	0.97	6.49	3.19	0.001023	9.58859
1.9	368.83	1.83	1.49	13.31	8.94	10.59	0.84	6.49	3.55	0.001425	11.65292
2	368.72	1.71	1.31	10.75	8.21	10.59	0.77	6.49	3.79	0.001214	9.12215
2.1	368.66	1.66	1.11	8.69	7.85	10.59	0.74	6.49	3.92	0.000963	6.92308
2.2	368.62	1.61	0.93	7.04	7.57	10.59	0.71	6.49	4.03	0.000743	5.14416
2.3	368.57	1.57	0.78	5.68	7.28	10.59	0.69	6.49	4.14	0.000553	3.68672
2.4	368.53	1.52	0.66	4.61	6.99	7.5	0.93	6.46	4.25	0.000315	2.8451
2.5	368.48	1.47	0.56	3.76	6.69	7.35	0.91	6.34	4.31	0.000262	2.3092

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19397

MASSIMA PORTATA 28.40 AT TIME 1.38
MASSIMA QUOTA PELO LIBERO 369.42 AT TIME 1.53

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.98	0	0	0	0	0	0	0	0	0	0
0.1	366.98	0	0	0	0	0	0	0	0	0	0
0.2	366.98	0	0	0	0	0	0	0	0	0	0
0.3	366.98	0	0	0	0	0	0	0	0	0	0
0.4	367.04	0.07	0.12	0.03	0.26	2.54	0.1	2.53	38.51	0.002619	2.55874
0.5	367.2	0.22	0.38	0.23	0.6	3.41	0.18	3.29	14.64	0.002581	4.43356
0.6	367.39	0.41	0.61	0.79	1.29	4.01	0.32	3.76	9.07	0.002593	8.06725
0.7	367.66	0.68	0.9	2.16	2.4	4.86	0.49	4.42	6.46	0.002446	11.70337
0.8	367.96	0.98	1.2	4.58	3.82	5.81	0.66	5.15	5.25	0.002391	15.25836
0.9	368.24	1.26	1.5	8.04	5.34	6.69	0.8	5.84	4.63	0.002371	18.35703
1	368.5	1.52	1.62	11.24	6.94	10.55	0.66	6.48	4.26	0.002565	16.33732
1.1	368.75	1.77	1.78	15.22	8.53	10.55	0.81	6.48	3.66	0.002178	17.07024
1.2	368.99	2.01	1.79	18.01	10.08	10.55	0.96	6.48	3.22	0.00099	9.16363
1.3	369.14	2.16	1.86	20.6	11.06	10.55	1.05	6.48	3	0.003952	40.1601
1.4	369.24	2.27	1.81	21.34	11.76	10.55	1.11	6.48	2.86	0.001002	10.81957
1.5	369.28	2.3	1.79	21.4	11.99	10.55	1.14	6.48	2.81	0.001023	11.26621
1.6	369.24	2.27	1.72	20.25	11.76	10.55	1.11	6.48	2.86	0.002219	23.96838
1.7	369.16	2.18	1.62	18.22	11.25	10.55	1.07	6.48	2.96	0.006341	65.53762
1.8	369.01	2.04	1.57	16.21	10.3	10.55	0.98	6.48	3.18	0.005976	56.51764
1.9	368.81	1.84	1.49	13.39	9.01	10.55	0.85	6.48	3.53	0.001458	12.07088
2	368.7	1.72	1.3	10.78	8.3	10.55	0.79	6.48	3.76	0.00113	8.61634
2.1	368.65	1.67	1.09	8.7	7.98	10.55	0.76	6.48	3.87	0.00088	6.44568
2.2	368.61	1.63	0.91	7.06	7.72	10.55	0.73	6.48	3.97	0.000618	4.38218
2.3	368.56	1.59	0.76	5.69	7.44	10.55	0.71	6.48	4.08	0.000542	3.70897
2.4	368.52	1.54	0.65	4.62	7.16	10.55	0.68	6.48	4.2	0.000435	2.86212
2.5	368.48	1.5	0.55	3.77	6.88	7.44	0.92	6.42	4.29	0.000232	2.07942

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19398

MASSIMA PORTATA 28.18 AT TIME 1.35
MASSIMA QUOTA PELO LIBERO 369.45 AT TIME 1.41

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	366.95	0	0	0	0	0	0	0	0	0	0
0.1	366.95	0	0	0	0	0	0	0	0	0	0
0.2	366.95	0	0	0	0	0	0	0	0	0	0
0.3	366.95	0	0	0	0	0	0	0	0	0	0
0.4	366.99	0.04	0.08	0.02	0.23	1.72	0.13	1.72	38.91	0.002505	3.20978
0.5	367.17	0.22	0.38	0.21	0.57	3.4	0.17	3.29	15.15	0.00263	4.27836
0.6	367.35	0.41	0.61	0.76	1.25	4	0.31	3.75	9.25	0.002624	7.95286
0.7	367.63	0.68	0.89	2.12	2.37	4.86	0.49	4.42	6.53	0.002463	11.63959
0.8	367.92	0.98	1.19	4.54	3.8	5.81	0.65	5.16	5.28	0.002363	14.98256
0.9	368.2	1.26	1.5	7.99	5.33	6.7	0.8	5.85	4.66	0.002346	18.0837
1	368.46	1.52	1.61	11.16	6.92	10.53	0.66	6.48	4.27	0.002591	16.52132
1.1	368.71	1.76	1.77	15.1	8.53	10.53	0.81	6.48	3.67	0.002162	16.97564
1.2	368.95	2	1.79	17.88	9.99	10.53	0.95	6.48	3.24	0.003309	30.42045
1.3	369.11	2.16	1.85	20.46	11.05	10.53	1.05	6.48	3	0.003556	36.18523
1.4	369.21	2.26	1.82	21.33	11.72	10.53	1.11	6.48	2.86	0.002094	22.60569
1.5	369.24	2.29	1.78	21.3	11.95	10.53	1.14	6.48	2.82	0	0
1.6	369.21	2.26	1.72	20.27	11.78	10.53	1.12	6.48	2.86	0	0
1.7	369.14	2.19	1.61	18.19	11.28	10.53	1.07	6.48	2.96	0.006208	64.50754
1.8	368.99	2.04	1.57	16.23	10.34	10.53	0.98	6.48	3.17	0.001017	9.67515
1.9	368.79	1.84	1.48	13.46	9.08	10.53	0.86	6.48	3.51	0.00129	10.78617
2	368.69	1.74	1.28	10.8	8.41	10.53	0.8	6.48	3.73	0.000971	7.51624
2.1	368.64	1.69	1.08	8.72	8.11	10.53	0.77	6.48	3.83	0.000811	6.05254
2.2	368.6	1.65	0.9	7.07	7.87	10.53	0.75	6.48	3.92	0.000551	3.99205
2.3	368.56	1.61	0.75	5.71	7.61	10.53	0.72	6.48	4.02	0.000481	3.37337
2.4	368.52	1.57	0.63	4.64	7.34	10.53	0.7	6.48	4.13	0.000415	2.80053
2.5	368.47	1.52	0.54	3.79	7.06	10.53	0.67	6.48	4.25	0.000167	1.08799

0.5	367.08	0.18	0.35	0.19	0.53	3.39	0.16	3.27	17.91	0.002594	3.96032
0.6	367.27	0.38	0.57	0.71	1.25	3.99	0.31	3.73	9.92	0.00253	7.69161
0.7	367.55	0.65	0.85	2.05	2.4	4.85	0.49	4.39	6.72	0.0024	11.50419
0.8	367.85	0.96	1.16	4.46	3.85	5.79	0.66	5.11	5.34	0.002274	14.65289
0.9	368.14	1.24	1.47	7.91	5.37	6.67	0.81	5.78	4.66	0.002366	18.48567
1	368.4	1.5	1.58	11	6.96	10.38	0.67	6.35	4.23	0.002468	16.05052
1.1	368.64	1.74	1.75	14.86	8.51	10.38	0.82	6.35	3.64	0.0027	21.4682
1.2	368.86	1.96	1.78	17.57	9.85	10.38	0.95	6.35	3.24	0.002686	24.72147
1.3	369.03	2.14	1.85	20.31	10.96	10.38	1.06	6.35	2.97	0.001233	12.62147
1.4	369.13	2.23	1.83	21.14	11.53	10.38	1.11	6.35	2.85	0.002866	30.8661
1.5	369.17	2.27	1.79	21.22	11.83	10.38	1.14	6.35	2.8	0.006736	74.412
1.6	369.16	2.26	1.72	20.21	11.72	10.38	1.13	6.35	2.81	0.006567	71.89153
1.7	369.07	2.17	1.62	18.23	11.23	10.38	1.08	6.35	2.92	0.002372	24.8846
1.8	368.94	2.04	1.57	16.31	10.4	10.38	1	6.35	3.11	0.001252	12.15948
1.9	368.75	1.85	1.47	13.62	9.25	10.38	0.89	6.35	3.42	0.001236	10.68359
2	368.66	1.76	1.25	10.85	8.65	10.38	0.83	6.35	3.61	0.000903	7.30212
2.1	368.62	1.72	1.04	8.74	8.41	10.38	0.81	6.35	3.7	0.000577	4.53561
2.2	368.58	1.68	0.86	7.1	8.21	10.38	0.79	6.35	3.77	0.000487	3.73615
2.3	368.55	1.65	0.72	5.74	7.98	10.38	0.77	6.35	3.85	0.00034	2.53199
2.4	368.51	1.61	0.6	4.67	7.73	10.38	0.75	6.35	3.95	0.000286	2.06342
2.5	368.47	1.57	0.51	3.82	7.47	10.38	0.72	6.35	4.05	0.000249	1.73592

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19401

MASSIMA	PORTATA	26.68	AT TIME	1.38
MASSIMA	QUOTA PELO LIBERO	369.36	AT TIME	1.48

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.87	0	0	0	0	0	0	0	0	0	0
0.1	366.87	0	0	0	0	0	0	0	0	0	0
0.2	366.87	0	0	0	0	0	0	0	0	0	0
0.3	366.87	0	0	0	0	0	0	0	0	0	0
0.4	366.87	0	0	0	0	0	0	0	0	0	0
0.5	367.03	0.16	0.3	0.16	0.54	3.44	0.16	3.33	20.78	0.002446	3.68498
0.6	367.23	0.37	0.55	0.68	1.24	4.08	0.31	3.81	10.4	0.002392	7.07363
0.7	367.51	0.65	0.83	2	2.4	4.92	0.49	4.45	6.9	0.002272	10.73134
0.8	367.82	0.95	1.14	4.41	3.87	5.86	0.66	5.16	5.42	0.002133	13.63891
0.9	368.1	1.23	1.46	7.85	5.39	6.72	0.8	5.81	4.71	0.002232	17.35445
1	368.36	1.5	1.56	10.92	6.99	10.38	0.67	6.35	4.25	0.002824	18.42066
1.1	368.61	1.74	1.72	14.73	8.54	10.38	0.82	6.35	3.65	0.000904	7.209
1.2	368.81	1.95	1.78	17.45	9.82	10.38	0.95	6.35	3.27	0.003358	30.79718
1.3	368.99	2.12	1.85	20.21	10.95	10.38	1.05	6.35	2.99	0.003616	36.96022
1.4	369.08	2.21	1.84	21.12	11.49	10.38	1.11	6.35	2.88	0.003437	36.85675
1.5	369.13	2.26	1.79	21.14	11.8	10.38	1.14	6.35	2.81	0.00355	39.12722
1.6	369.11	2.24	1.74	20.27	11.67	10.38	1.12	6.35	2.84	0	0
1.7	369.04	2.17	1.62	18.24	11.24	10.38	1.08	6.35	2.93	0.002173	22.8132
1.8	368.91	2.04	1.57	16.39	10.47	10.38	1.01	6.35	3.11	0.000949	9.27643
1.9	368.73	1.86	1.46	13.7	9.38	10.38	0.9	6.35	3.41	0.00113	9.89934
2	368.64	1.78	1.23	10.87	8.81	10.38	0.85	6.35	3.58	0.000803	6.60797
2.1	368.61	1.74	1.02	8.76	8.6	10.38	0.83	6.35	3.65	0.000543	4.36365
2.2	368.58	1.71	0.84	7.11	8.41	10.38	0.81	6.35	3.72	0.000421	3.307
2.3	368.54	1.67	0.7	5.75	8.2	10.38	0.79	6.35	3.8	0.000283	2.16436
2.4	368.5	1.63	0.59	4.68	7.96	10.38	0.77	6.35	3.89	0.000276	2.05225
2.5	368.46	1.59	0.5	3.83	7.71	10.38	0.74	6.35	3.99	0.000225	1.61583

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19483

MASSIMA	PORTATA	27.00	AT TIME	1.49
MASSIMA	QUOTA PELO LIBERO	369.21	AT TIME	1.49

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.84	0	0	0	0	0	0	0	0	0	0
0.1	366.84	0	0	0	0	0	0	0	0	0	0
0.2	366.84	0	0	0	0	0	0	0	0	0	0
0.3	366.84	0	0	0	0	0	0	0	0	0	0
0.4	366.84	0	0	0	0	0	0	0	0	0	0
0.5	366.97	0.14	0.26	0.14	0.53	3.32	0.16	3.22	23.85	0.002343	3.60622
0.6	367.19	0.36	0.54	0.65	1.21	4	0.3	3.74	10.53	0.0023	6.73442
0.7	367.47	0.64	0.83	1.95	2.36	4.87	0.48	4.41	6.94	0.002189	10.26347
0.8	367.78	0.94	1.14	4.36	3.82	5.83	0.65	5.14	5.45	0.002096	13.29344
0.9	368.06	1.23	1.46	7.8	5.33	6.71	0.8	5.81	4.74	0.002086	16.0734
1	368.33	1.49	1.57	10.83	6.91	10.3	0.67	6.34	4.26	0.000774	5.03258

1.1	368.57	1.73	1.72	14.58	8.46	10.3	0.82	6.34	3.66	0.002397	19.07107
1.2	368.77	1.93	1.79	17.35	9.67	10.3	0.94	6.34	3.28	0.002147	19.53748
1.3	368.95	2.11	1.86	20.09	10.79	10.3	1.05	6.34	3	0.003671	37.25536
1.4	369.04	2.2	1.86	21.12	11.34	10.3	1.1	6.34	2.89	0.000163	1.74217
1.5	369.08	2.25	1.82	21.11	11.6	10.3	1.13	6.34	2.83	0.003718	40.5829
1.6	369.06	2.22	1.76	20.25	11.53	10.3	1.12	6.34	2.85	0	0
1.7	369	2.16	1.64	18.26	11.11	10.3	1.08	6.34	2.94	0	0
1.8	368.88	2.04	1.58	16.43	10.42	10.3	1.01	6.34	3.1	0.001908	18.70594
1.9	368.71	1.88	1.47	13.78	9.4	10.3	0.91	6.34	3.38	0.001018	9.00177
2	368.63	1.79	1.23	10.88	8.86	10.3	0.86	6.34	3.55	0.000748	6.23481
2.1	368.6	1.76	1.01	8.76	8.68	10.3	0.84	6.34	3.61	0.000554	4.52281
2.2	368.57	1.73	0.84	7.11	8.52	10.3	0.83	6.34	3.67	0.000376	3.01485
2.3	368.54	1.7	0.69	5.77	8.32	10.3	0.81	6.34	3.73	0.000299	2.34414
2.4	368.5	1.66	0.58	4.7	8.08	10.3	0.78	6.34	3.82	0.000119	0.90651
2.5	368.46	1.62	0.49	3.85	7.84	10.3	0.76	6.34	3.91	0.000186	1.37171

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19484

MASSIMA	PORTATA	27.30	AT TIME	1.38
MASSIMA	QUOTA PELO LIBERO	369.25	AT TIME	1.41

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.81	0	0	0	0	0	0	0	0	0	0
0.1	366.81	0	0	0	0	0	0	0	0	0	0
0.2	366.81	0	0	0	0	0	0	0	0	0	0
0.3	366.81	0	0	0	0	0	0	0	0	0	0
0.4	366.81	0	0	0	0	0	0	0	0	0	0
0.5	366.92	0.12	0.22	0.12	0.52	3.25	0.16	3.17	27.35	0.002262	3.47222
0.6	367.16	0.35	0.53	0.63	1.18	3.97	0.3	3.71	10.64	0.002223	6.39485
0.7	367.44	0.63	0.83	1.92	2.32	4.83	0.48	4.36	6.93	0.002144	9.98638
0.8	367.75	0.94	1.15	4.32	3.77	5.78	0.65	5.08	5.41	0.002113	13.36623
0.9	368.03	1.22	1.47	7.76	5.28	6.64	0.79	5.74	4.69	0.002037	15.67778
1	368.29	1.48	1.57	10.74	6.84	10.19	0.67	6.24	4.21	0.002015	13.11169
1.1	368.54	1.73	1.73	14.46	8.37	10.19	0.82	6.24	3.61	0.004192	33.38392
1.2	368.72	1.92	1.81	17.25	9.52	10.19	0.93	6.24	3.26	0	0
1.3	368.9	2.09	1.89	20.05	10.63	10.19	1.04	6.24	2.98	0.003139	31.72319
1.4	368.99	2.19	1.88	21.02	11.18	10.19	1.1	6.24	2.86	0	0
1.5	369.03	2.22	1.85	21.07	11.38	10.19	1.12	6.24	2.81	0	0
1.6	369.03	2.22	1.77	20.18	11.39	10.19	1.12	6.24	2.81	0.00168	18.18991
1.7	368.96	2.15	1.66	18.28	10.99	10.19	1.08	6.24	2.9	0.002673	27.93963
1.8	368.85	2.05	1.59	16.45	10.35	10.19	1.02	6.24	3.05	0.002198	21.63336
1.9	368.69	1.89	1.47	13.84	9.41	10.19	0.92	6.24	3.31	0.000932	8.3381
2	368.61	1.81	1.22	10.9	8.92	10.19	0.88	6.24	3.46	0.000653	5.53952
2.1	368.59	1.78	1	8.76	8.76	10.19	0.86	6.24	3.51	0.000395	3.29441
2.2	368.56	1.75	0.83	7.12	8.61	10.19	0.84	6.24	3.56	0.000396	3.23925
2.3	368.53	1.72	0.69	5.78	8.43	10.19	0.83	6.24	3.62	0.000286	2.29348
2.4	368.5	1.69	0.57	4.71	8.2	10.19	0.8	6.24	3.7	0.000151	1.17406
2.5	368.46	1.65	0.48	3.86	7.97	10.19	0.78	6.24	3.79	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19485

MASSIMA	PORTATA	27.60	AT TIME	1.38
MASSIMA	QUOTA PELO LIBERO	369.16	AT TIME	1.59

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.78	0	0	0	0	0	0	0	0	0	0
0.1	366.78	0	0	0	0	0	0	0	0	0	0
0.2	366.78	0	0	0	0	0	0	0	0	0	0
0.3	366.78	0	0	0	0	0	0	0	0	0	0
0.4	366.78	0	0	0	0	0	0	0	0	0	0
0.5	366.88	0.1	0.2	0.1	0.49	3.18	0.15	3.11	30.77	0.002343	3.48397
0.6	367.12	0.34	0.53	0.6	1.15	3.93	0.29	3.69	10.69	0.002262	6.39566
0.7	367.4	0.63	0.82	1.88	2.29	4.8	0.48	4.35	6.94	0.002185	10.10625
0.8	367.71	0.94	1.14	4.28	3.74	5.76	0.65	5.07	5.42	0.002157	13.5897
0.9	368	1.22	1.47	7.71	5.25	6.62	0.79	5.73	4.71	0.002031	15.58882
1	368.26	1.48	1.56	10.66	6.81	10.14	0.67	6.23	4.21	0.006696	43.62018
1.1	368.5	1.73	1.72	14.32	8.34	10.14	0.82	6.23	3.61	0.001644	13.10863
1.2	368.68	1.9	1.82	17.13	9.43	10.14	0.93	6.23	3.27	0	0
1.3	368.87	2.09	1.89	19.96	10.56	10.14	1.04	6.23	2.99	0.000701	7.07557
1.4	368.95	2.17	1.89	20.95	11.06	10.14	1.09	6.23	2.87	0.006877	72.7432
1.5	368.98	2.2	1.87	21.08	11.25	10.14	1.11	6.23	2.83	0	0
1.6	368.98	2.2	1.79	20.21	11.28	10.14	1.11	6.23	2.83	0.005506	59.39272

1.7	368.92	2.15	1.68	18.31	10.91	10.14	1.08	6.23	2.9	0.006631	69.16503
1.8	368.82	2.04	1.6	16.51	10.35	10.14	1.02	6.23	3.05	0.002597	25.6927
1.9	368.68	1.9	1.47	13.89	9.48	10.14	0.93	6.23	3.28	0.000865	7.84168
2	368.6	1.83	1.21	10.91	9.03	10.14	0.89	6.23	3.41	0.000592	5.11095
2.1	368.58	1.8	0.99	8.76	8.89	10.14	0.88	6.23	3.46	0.000483	4.10944
2.2	368.56	1.78	0.81	7.12	8.76	10.14	0.86	6.23	3.5	0.000339	2.84031
2.3	368.53	1.75	0.67	5.78	8.58	10.14	0.85	6.23	3.56	0	0
2.4	368.49	1.71	0.56	4.72	8.36	10.14	0.82	6.23	3.64	0.00038	3.03456
2.5	368.45	1.68	0.48	3.88	8.13	10.14	0.8	6.23	3.72	0.000217	1.68593

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19486

MASSIMA	PORTATA	27.70	AT TIME	1.39
MASSIMA	QUOTA PELO LIBERO	369.2	AT TIME	1.59

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.76	0	0	0	0	0	0	0	0	0	0
0.1	366.76	0	0	0	0	0	0	0	0	0	0
0.2	366.76	0	0	0	0	0	0	0	0	0	0
0.3	366.76	0	0	0	0	0	0	0	0	0	0
0.4	366.76	0	0	0	0	0	0	0	0	0	0
0.5	366.84	0.08	0.17	0.08	0.47	3.15	0.15	3.09	38.1	0.0024	3.44076
0.6	367.09	0.33	0.52	0.58	1.11	3.92	0.28	3.68	11.12	0.002268	6.2189
0.7	367.37	0.61	0.82	1.84	2.24	4.8	0.47	4.35	7.09	0.002182	9.89459
0.8	367.68	0.92	1.15	4.24	3.69	5.76	0.64	5.08	5.5	0.002143	13.29284
0.9	367.96	1.21	1.48	7.66	5.18	6.63	0.78	5.75	4.77	0.001858	14.06697
1	368.23	1.47	1.57	10.59	6.75	10.08	0.67	6.23	4.25	0.004013	26.04323
1.1	368.47	1.71	1.71	14.17	8.26	10.08	0.82	6.23	3.64	0.000972	7.72456
1.2	368.64	1.88	1.83	17.02	9.31	10.08	0.92	6.23	3.31	0.004322	38.66426
1.3	368.83	2.07	1.9	19.86	10.43	10.08	1.03	6.23	3.01	0.002644	26.50062
1.4	368.9	2.14	1.93	20.96	10.86	10.08	1.08	6.23	2.91	0.013067	136.3847
1.5	368.93	2.17	1.9	21.07	11.06	10.08	1.1	6.23	2.87	0.005843	62.11455
1.6	368.94	2.18	1.81	20.13	11.15	10.08	1.11	6.23	2.86	0.006325	67.78882
1.7	368.88	2.12	1.7	18.33	10.77	10.08	1.07	6.23	2.94	0.003537	36.62243
1.8	368.8	2.04	1.6	16.53	10.3	10.08	1.02	6.23	3.05	0.002336	23.13481
1.9	368.66	1.9	1.47	13.94	9.5	10.08	0.94	6.23	3.27	0.000846	7.7327
2	368.6	1.84	1.2	10.92	9.11	10.08	0.9	6.23	3.39	0.000512	4.48519
2.1	368.57	1.82	0.97	8.76	8.99	10.08	0.89	6.23	3.43	0.000482	4.16695
2.2	368.55	1.79	0.8	7.12	8.86	10.08	0.88	6.23	3.47	0.000364	3.09699
2.3	368.53	1.77	0.67	5.79	8.69	10.08	0.86	6.23	3.53	0.000217	1.81659
2.4	368.49	1.73	0.56	4.73	8.48	10.08	0.84	6.23	3.6	0	0
2.5	368.45	1.7	0.47	3.89	8.25	10.08	0.82	6.23	3.68	0.000269	2.13318

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19487

MASSIMA	PORTATA	27.67	AT TIME	1.39
MASSIMA	QUOTA PELO LIBERO	369.08	AT TIME	1.56

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.73	0	0	0	0	0	0	0	0	0	0
0.1	366.73	0	0	0	0	0	0	0	0	0	0
0.2	366.73	0	0	0	0	0	0	0	0	0	0
0.3	366.73	0	0	0	0	0	0	0	0	0	0
0.4	366.73	0	0	0	0	0	0	0	0	0	0
0.5	366.79	0.07	0.14	0.06	0.44	2.84	0.15	2.79	42.41	0.002468	3.67379
0.6	367.05	0.33	0.52	0.55	1.07	3.82	0.28	3.59	10.98	0.002298	6.24869
0.7	367.34	0.61	0.82	1.81	2.2	4.71	0.47	4.27	7	0.002238	10.11894
0.8	367.65	0.92	1.16	4.2	3.62	5.68	0.64	5.02	5.46	0.002311	14.2689
0.9	367.93	1.2	1.49	7.61	5.1	6.56	0.78	5.7	4.74	0.001944	14.6577
1	368.19	1.46	1.57	10.5	6.68	9.99	0.67	6.18	4.22	0.00074	4.79998
1.1	368.44	1.71	1.71	13.99	8.17	9.99	0.82	6.18	3.61	0.002078	16.46815
1.2	368.6	1.87	1.85	16.94	9.15	9.99	0.92	6.18	3.3	0.00557	49.49409
1.3	368.78	2.05	1.93	19.78	10.26	9.99	1.03	6.18	3.01	0.002766	27.53186
1.4	368.84	2.12	1.96	20.96	10.69	9.99	1.07	6.18	2.92	0.005563	57.70561
1.5	368.88	2.15	1.93	20.94	10.88	9.99	1.09	6.18	2.87	0.005176	54.64761
1.6	368.9	2.17	1.84	20.16	10.97	9.99	1.1	6.18	2.84	0.001337	14.24551
1.7	368.84	2.11	1.72	18.33	10.66	9.99	1.07	6.18	2.92	0.005033	52.06187
1.8	368.77	2.04	1.62	16.55	10.22	9.99	1.02	6.18	3.03	0.000251	2.48994
1.9	368.64	1.92	1.47	13.98	9.52	9.99	0.95	6.18	3.22	0.000849	7.84298
2	368.59	1.86	1.19	10.92	9.18	9.99	0.92	6.18	3.32	0.000511	4.54881
2.1	368.57	1.84	0.96	8.75	9.08	9.99	0.91	6.18	3.36	0.000355	3.12457
2.2	368.55	1.82	0.79	7.12	8.96	9.99	0.9	6.18	3.39	0.000338	2.94313

2.3	368.52	1.79	0.66	5.79	8.8	9.99	0.88	6.18	3.44	0.000442	3.77882
2.4	368.49	1.76	0.55	4.73	8.59	9.99	0.86	6.18	3.51	0	0
2.5	368.45	1.72	0.47	3.9	8.36	9.99	0.84	6.18	3.58	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19488

MASSIMA PORTATA 27.48 AT TIME 1.39
MASSIMA QUOTA PELO LIBERO 369.05 AT TIME 1.46

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.7	0	0	0	0	0	0	0	0	0	0
0.1	366.7	0	0	0	0	0	0	0	0	0	0
0.2	366.7	0	0	0	0	0	0	0	0	0	0
0.3	366.7	0	0	0	0	0	0	0	0	0	0
0.4	366.7	0	0	0	0	0	0	0	0	0	0
0.5	366.75	0.05	0.11	0.04	0.4	2.2	0.18	2.16	42.71	0.002584	4.56707
0.6	367.02	0.32	0.51	0.53	1.04	3.81	0.27	3.58	11.12	0.002333	6.15762
0.7	367.3	0.61	0.82	1.77	2.16	4.7	0.46	4.26	7.05	0.002296	10.2292
0.8	367.61	0.91	1.16	4.16	3.57	5.67	0.63	5.01	5.49	0.002336	14.27862
0.9	367.89	1.2	1.49	7.56	5.06	6.55	0.77	5.69	4.76	0.001581	11.82807
1	368.16	1.46	1.57	10.41	6.64	9.94	0.67	6.16	4.22	0.000544	3.5172
1.1	368.4	1.7	1.71	13.84	8.1	9.94	0.81	6.16	3.63	0.003198	25.25455
1.2	368.55	1.86	1.86	16.84	9.06	9.94	0.91	6.16	3.32	0.005357	47.30817
1.3	368.73	2.04	1.94	19.63	10.12	9.94	1.02	6.16	3.03	0.002878	28.37258
1.4	368.81	2.11	1.98	20.9	10.57	9.94	1.06	6.16	2.92	0	0
1.5	368.84	2.14	1.95	20.88	10.73	9.94	1.08	6.16	2.88	0.000542	5.66355
1.6	368.85	2.15	1.85	20.1	10.84	9.94	1.09	6.16	2.87	0	0
1.7	368.8	2.11	1.73	18.31	10.57	9.94	1.06	6.16	2.93	0.00157	16.18195
1.8	368.73	2.04	1.62	16.54	10.18	9.94	1.02	6.16	3.03	0.000702	6.96412
1.9	368.63	1.93	1.46	14.01	9.59	9.94	0.96	6.16	3.19	0.000706	6.59782
2	368.58	1.88	1.17	10.91	9.3	9.94	0.93	6.16	3.28	0.000469	4.2517
2.1	368.56	1.87	0.95	8.74	9.21	9.94	0.93	6.16	3.3	0.000334	2.99983
2.2	368.54	1.85	0.78	7.11	9.1	9.94	0.92	6.16	3.34	0	0
2.3	368.52	1.82	0.65	5.79	8.95	9.94	0.9	6.16	3.38	0.000214	1.87011
2.4	368.49	1.79	0.54	4.73	8.74	9.94	0.88	6.16	3.45	0.000203	1.72764
2.5	368.45	1.75	0.46	3.9	8.52	9.94	0.86	6.16	3.52	0.000158	1.31482

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19489

MASSIMA PORTATA 27.29 AT TIME 1.39
MASSIMA QUOTA PELO LIBERO 368.98 AT TIME 1.59

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA/ PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.68	0	0	0	0	0	0	0	0	0	0
0.1	366.68	0	0	0	0	0	0	0	0	0	0
0.2	366.68	0	0	0	0	0	0	0	0	0	0
0.3	366.68	0	0	0	0	0	0	0	0	0	0
0.4	366.68	0	0	0	0	0	0	0	0	0	0
0.5	366.71	0.03	0.08	0.03	0.35	1.47	0.24	1.45	43.32	0.002771	6.40767
0.6	366.98	0.31	0.5	0.5	1	3.77	0.27	3.55	11.59	0.002367	6.08454
0.7	367.27	0.59	0.82	1.73	2.12	4.67	0.45	4.24	7.19	0.002334	10.28689
0.8	367.58	0.9	1.17	4.12	3.53	5.64	0.63	5	5.56	0.002334	14.15652
0.9	367.86	1.18	1.5	7.51	5.01	6.53	0.77	5.69	4.82	0.001586	11.79914
1	368.13	1.45	1.56	10.31	6.61	9.87	0.67	6.15	4.25	0.000684	4.43858
1.1	368.36	1.68	1.71	13.71	8.04	9.87	0.81	6.15	3.65	0.004148	32.74508
1.2	368.52	1.84	1.86	16.73	8.98	9.87	0.91	6.15	3.34	0.008977	79.20409
1.3	368.68	2.01	1.96	19.48	9.96	9.87	1.01	6.15	3.07	0.004894	47.87092
1.4	368.76	2.08	1.99	20.78	10.44	9.87	1.06	6.15	2.96	0	0
1.5	368.78	2.1	1.96	20.73	10.57	9.87	1.07	6.15	2.93	0.009181	95.28432
1.6	368.8	2.13	1.86	19.89	10.7	9.87	1.08	6.15	2.89	0	0
1.7	368.76	2.08	1.74	18.23	10.5	9.87	1.06	6.15	2.95	0	0
1.8	368.7	2.02	1.62	16.47	10.17	9.87	1.03	6.15	3.04	0.002578	25.75056
1.9	368.61	1.94	1.45	14.03	9.67	9.87	0.98	6.15	3.18	0.000584	5.54651
2	368.57	1.89	1.16	10.92	9.42	9.87	0.95	6.15	3.25	0.000379	3.50916
2.1	368.56	1.88	0.94	8.75	9.35	9.87	0.95	6.15	3.27	0.000158	1.44944
2.2	368.54	1.86	0.77	7.12	9.25	9.87	0.94	6.15	3.3	0.000146	1.32891
2.3	368.52	1.84	0.64	5.8	9.1	9.87	0.92	6.15	3.34	0	0
2.4	368.48	1.81	0.53	4.74	8.9	9.87	0.9	6.15	3.41	0.000223	1.95207
2.5	368.45	1.77	0.45	3.91	8.68	9.87	0.88	6.15	3.48	0.000263	2.23838

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19490

MASSIMA PORTATA 26.85 AT TIME 1.39
MASSIMA QUOTA PELO LIBERO 368.91 AT TIME 1.45

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.65	0	0	0	0	0	0	0	0	0	0
0.1	366.65	0	0	0	0	0	0	0	0	0	0
0.2	366.65	0	0	0	0	0	0	0	0	0	0
0.3	366.65	0	0	0	0	0	0	0	0	0	0
0.4	366.65	0	0	0	0	0	0	0	0	0	0
0.5	366.67	0.02	0.04	0.01	0.05	0.84	0	0.82	0	0.004081	0
0.6	366.95	0.3	0.49	0.48	0.97	3.75	0.26	3.53	11.81	0.002356	5.89191
0.7	367.23	0.59	0.81	1.7	2.09	4.65	0.45	4.24	7.24	0.002318	10.08654
0.8	367.54	0.89	1.17	4.08	3.48	5.63	0.62	4.99	5.59	0.002278	13.6547
0.9	367.82	1.18	1.51	7.46	4.95	6.52	0.76	5.69	4.84	0.002374	17.46932
1	368.09	1.44	1.56	10.23	6.55	9.83	0.67	6.14	4.25	0.001509	9.75047
1.1	368.32	1.67	1.72	13.62	7.94	9.83	0.81	6.14	3.67	0.003993	31.26859
1.2	368.47	1.83	1.88	16.64	8.84	9.83	0.9	6.14	3.36	0.00712	62.06317
1.3	368.63	1.98	1.98	19.32	9.77	9.83	0.99	6.14	3.1	0.005347	51.52141
1.4	368.71	2.06	2.01	20.62	10.26	9.83	1.04	6.14	2.98	0.000857	8.67441
1.5	368.73	2.08	1.98	20.55	10.38	9.83	1.06	6.14	2.95	0.008707	89.11684
1.6	368.75	2.1	1.87	19.66	10.52	9.83	1.07	6.14	2.92	0.002973	30.83096
1.7	368.73	2.08	1.74	18.09	10.39	9.83	1.06	6.14	2.95	0.005156	52.85389
1.8	368.68	2.03	1.62	16.36	10.11	9.83	1.03	6.14	3.03	0.001209	12.06001
1.9	368.6	1.95	1.45	14.04	9.7	9.83	0.99	6.14	3.14	0.000542	5.18669
2	368.57	1.92	1.15	10.95	9.5	9.83	0.97	6.14	3.2	0.000325	3.04242
2.1	368.56	1.91	0.93	8.79	9.45	9.83	0.96	6.14	3.22	0.000205	1.91152
2.2	368.54	1.89	0.77	7.17	9.35	9.83	0.95	6.14	3.25	0.000138	1.26942
2.3	368.52	1.87	0.63	5.85	9.21	9.83	0.94	6.14	3.29	0	0
2.4	368.48	1.83	0.53	4.78	9.01	9.83	0.92	6.14	3.35	0.000106	0.94025
2.5	368.45	1.8	0.45	3.94	8.79	9.83	0.89	6.14	3.41	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19491

MASSIMA PORTATA 26.63 AT TIME 1.39
MASSIMA QUOTA PELO LIBERO 368.88 AT TIME 1.36

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.62	0	0	0	0	0	0	0	0	0	0
0.1	366.62	0	0	0	0	0	0	0	0	0	0
0.2	366.62	0	0	0	0	0	0	0	0	0	0
0.3	366.62	0	0	0	0	0	0	0	0	0	0
0.4	366.62	0	0	0	0	0	0	0	0	0	0
0.5	366.62	0	0	0	0	0	0	0	0	0.00708	0
0.6	366.91	0.29	0.49	0.45	0.91	3.71	0.25	3.5	11.98	0.002357	5.60338
0.7	367.2	0.58	0.82	1.66	2.02	4.61	0.44	4.19	7.22	0.002345	9.97933
0.8	367.5	0.89	1.2	4.05	3.38	5.56	0.61	4.92	5.55	0.002401	14.15231
0.9	367.79	1.17	1.53	7.41	4.83	6.44	0.75	5.6	4.79	0.003015	21.87716
1	368.06	1.44	1.58	10.12	6.43	9.71	0.66	6.03	4.18	0.002565	16.46481
1.1	368.29	1.67	1.74	13.51	7.78	9.71	0.8	6.03	3.61	0.000862	6.69834
1.2	368.43	1.81	1.92	16.6	8.63	9.71	0.89	6.03	3.33	0.000358	3.08769
1.3	368.58	1.96	2.01	19.17	9.53	9.71	0.98	6.03	3.07	0.002963	28.20119
1.4	368.66	2.04	2.04	20.48	10.02	9.71	1.03	6.03	2.95	0.001186	11.85948
1.5	368.68	2.06	2.01	20.38	10.15	9.71	1.05	6.03	2.92	0	0
1.6	368.71	2.09	1.89	19.43	10.3	9.71	1.06	6.03	2.88	0.005481	56.36401
1.7	368.69	2.07	1.75	17.95	10.23	9.71	1.05	6.03	2.91	0.001367	13.96119
1.8	368.65	2.03	1.63	16.26	10	9.71	1.03	6.03	2.97	0.001501	14.98322
1.9	368.59	1.97	1.45	14.06	9.69	9.71	1	6.03	3.06	0.000563	5.44358
2	368.56	1.94	1.15	11	9.53	9.71	0.98	6.03	3.1	0.000325	3.09523
2.1	368.55	1.93	0.93	8.85	9.49	9.71	0.98	6.03	3.12	0.000302	2.86398
2.2	368.54	1.92	0.77	7.25	9.4	9.71	0.97	6.03	3.14	0.000136	1.27239
2.3	368.51	1.89	0.64	5.93	9.27	9.71	0.95	6.03	3.18	0.000158	1.46013
2.4	368.48	1.86	0.54	4.86	9.07	9.71	0.93	6.03	3.24	0	0
2.5	368.45	1.83	0.45	4.02	8.86	9.71	0.91	6.03	3.3	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19492

MASSIMA PORTATA 26.27 AT TIME 1.39
MASSIMA QUOTA PELO LIBERO 368.84 AT TIME 1.49

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.6	0	0	0	0	0	0	0	0	0	0
0.1	366.6	0	0	0	0	0	0	0	0	0	0
0.2	366.6	0	0	0	0	0	0	0	0	0	0
0.3	366.6	0	0	0	0	0	0	0	0	0	0
0.4	366.6	0	0	0	0	0	0	0	0	0	0
0.5	366.6	0	0	0	0	0	0	0	0	0	0
0.6	366.87	0.27	0.47	0.42	0.88	3.55	0.25	3.37	12.52	0.002483	5.94772
0.7	367.16	0.56	0.83	1.62	1.96	4.5	0.44	4.1	7.28	0.002548	10.74864
0.8	367.46	0.87	1.22	4.01	3.29	5.46	0.6	4.85	5.6	0.002654	15.50007
0.9	367.74	1.15	1.56	7.36	4.71	6.35	0.74	5.54	4.84	0.002798	20.12434
1	368.02	1.42	1.58	10.02	6.34	9.65	0.66	6.03	4.24	0.002712	17.25932
1.1	368.24	1.64	1.76	13.42	7.65	9.65	0.79	6.03	3.67	0.00547	42.00019
1.2	368.38	1.78	1.95	16.51	8.48	9.65	0.88	6.03	3.38	0	0
1.3	368.53	1.93	2.03	18.96	9.36	9.65	0.97	6.03	3.12	0.000672	6.30976
1.4	368.61	2.01	2.05	20.2	9.83	9.65	1.02	6.03	3	0.003613	35.66956
1.5	368.63	2.03	2.01	20.07	9.99	9.65	1.04	6.03	2.96	0	0
1.6	368.66	2.06	1.87	19.02	10.14	9.65	1.05	6.03	2.93	0.002502	25.49223
1.7	368.65	2.05	1.74	17.65	10.14	9.65	1.05	6.03	2.94	0.000839	8.53614
1.8	368.62	2.02	1.62	16.16	9.96	9.65	1.03	6.03	2.98	0.002051	20.51455
1.9	368.58	1.98	1.44	14.07	9.75	9.65	1.01	6.03	3.05	0.000525	5.13724
2	368.55	1.96	1.15	11.09	9.63	9.65	1	6.03	3.08	0.000319	3.08641
2.1	368.55	1.95	0.94	8.99	9.6	9.65	0.99	6.03	3.09	0.000271	2.61224
2.2	368.53	1.93	0.78	7.41	9.51	9.65	0.99	6.03	3.11	0.000289	2.75993
2.3	368.51	1.91	0.65	6.13	9.38	9.65	0.97	6.03	3.15	0.000159	1.50056
2.4	368.48	1.88	0.55	5.05	9.19	9.65	0.95	6.03	3.2	0	0
2.5	368.44	1.85	0.47	4.2	8.98	9.65	0.93	6.03	3.27	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19493

MASSIMA PORTATA 25.84 AT TIME 1.39
MASSIMA QUOTA PELO LIBERO 368.76 AT TIME 1.56

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.57	0	0	0	0	0	0	0	0	0	0
0.1	366.57	0	0	0	0	0	0	0	0	0	0
0.2	366.57	0	0	0	0	0	0	0	0	0	0
0.3	366.57	0	0	0	0	0	0	0	0	0	0
0.4	366.57	0	0	0	0	0	0	0	0	0	0
0.5	366.57	0	0	0	0	0	0	0	0	0	0
0.6	366.82	0.25	0.44	0.38	0.87	3.5	0.25	3.33	13.22	0.002543	6.12917
0.7	367.12	0.55	0.82	1.59	1.93	4.47	0.43	4.08	7.37	0.002684	11.23381
0.8	367.42	0.86	1.22	3.97	3.24	5.43	0.6	4.83	5.65	0.002747	15.89584
0.9	367.7	1.14	1.57	7.31	4.66	6.33	0.74	5.53	4.87	0.001863	13.29288
1	367.98	1.42	1.58	9.95	6.3	9.61	0.66	6.02	4.25	0.002656	16.87456
1.1	368.2	1.63	1.77	13.4	7.55	9.61	0.79	6.02	3.7	0.007432	56.60743
1.2	368.33	1.77	1.96	16.36	8.37	9.61	0.87	6.02	3.4	0	0
1.3	368.48	1.91	2.02	18.63	9.21	9.61	0.96	6.02	3.15	0.002466	22.91292
1.4	368.56	1.99	2.04	19.77	9.68	9.61	1.01	6.02	3.02	0.005547	54.15348
1.5	368.59	2.02	1.99	19.67	9.87	9.61	1.03	6.02	2.98	0.002407	23.95683
1.6	368.61	2.04	1.86	18.59	10.01	9.61	1.04	6.02	2.94	0.001906	19.2489
1.7	368.62	2.05	1.72	17.36	10.08	9.61	1.05	6.02	2.94	0	0
1.8	368.59	2.02	1.6	15.97	9.95	9.61	1.04	6.02	2.97	0.001213	12.169
1.9	368.56	2	1.43	14.05	9.83	9.61	1.02	6.02	3.01	0.000586	5.80971
2	368.55	1.98	1.15	11.18	9.74	9.61	1.01	6.02	3.04	0.000303	2.97788
2.1	368.54	1.97	0.94	9.13	9.71	9.61	1.01	6.02	3.05	0.000153	1.5004
2.2	368.53	1.96	0.79	7.61	9.64	9.61	1	6.02	3.07	0.000139	1.35572
2.3	368.51	1.94	0.67	6.36	9.51	9.61	0.99	6.02	3.1	0	0
2.4	368.48	1.91	0.57	5.29	9.33	9.61	0.97	6.02	3.15	0.000181	1.70659
2.5	368.44	1.87	0.49	4.43	9.12	9.61	0.95	6.02	3.21	0.000115	1.05966

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19494

MASSIMA PORTATA 24.89 AT TIME 1.39
MASSIMA QUOTA PELO LIBERO 368.7 AT TIME 1.55

TEMPO (s)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
--------------	-----------------------------	-------------------------------	--------------------	-------------------	-------------------------	----------------------------	----------------------------	---------------------------------	--	--	---

0	366.54	0	0	0	0	0	0	0	0	0	0
0.1	366.54	0	0	0	0	0	0	0	0	0	0
0.2	366.54	0	0	0	0	0	0	0	0	0	0
0.3	366.54	0	0	0	0	0	0	0	0	0	0
0.4	366.54	0	0	0	0	0	0	0	0	0	0
0.5	366.54	0	0	0	0	0	0	0	0	0	0
0.6	366.77	0.24	0.41	0.35	0.86	3.53	0.24	3.36	14.23	0.002504	5.92432
0.7	367.08	0.54	0.82	1.56	1.89	4.48	0.42	4.08	7.5	0.002701	11.02866
0.8	367.38	0.84	1.24	3.94	3.18	5.4	0.59	4.78	5.68	0.002781	15.84851
0.9	367.66	1.12	1.58	7.26	4.58	6.27	0.73	5.44	4.85	0.00237	16.79237
1	367.95	1.41	1.59	9.91	6.24	9.52	0.66	5.91	4.19	0.002133	13.56216
1.1	368.16	1.62	1.77	13.22	7.45	9.52	0.78	5.91	3.65	0.001587	12.04015
1.2	368.29	1.75	1.95	16.04	8.24	9.52	0.87	5.91	3.37	0.002475	20.7696
1.3	368.43	1.89	1.99	18.05	9.06	9.52	0.95	5.91	3.12	0.004566	42.13345
1.4	368.51	1.97	2	19.1	9.54	9.52	1	5.91	3	0.005704	55.39677
1.5	368.54	2.01	1.95	19.07	9.78	9.52	1.03	5.91	2.94	0.006177	61.50872
1.6	368.57	2.03	1.82	17.96	9.89	9.52	1.04	5.91	2.91	0.003729	37.55218
1.7	368.59	2.05	1.68	16.82	10.02	9.52	1.05	5.91	2.88	0	0
1.8	368.57	2.03	1.57	15.65	9.94	9.52	1.04	5.91	2.91	0.000954	9.65636
1.9	368.56	2.02	1.4	13.9	9.91	9.52	1.04	5.91	2.93	0.000604	6.08991
2	368.54	2	1.14	11.2	9.83	9.52	1.03	5.91	2.95	0.000377	3.77197
2.1	368.54	2	0.94	9.24	9.82	9.52	1.03	5.91	2.95	0.000236	2.36334
2.2	368.53	1.99	0.8	7.81	9.74	9.52	1.02	5.91	2.97	0	0
2.3	368.5	1.97	0.69	6.61	9.62	9.52	1.01	5.91	3	0.000144	1.41122
2.4	368.47	1.94	0.59	5.59	9.44	9.52	0.99	5.91	3.05	0.000218	2.09144
2.5	368.44	1.9	0.52	4.76	9.24	9.52	0.97	5.91	3.11	0	0

0.5	366.49	0	0	0	0	0	0	0	0	0	0
0.6	366.68	0.2	0.36	0.29	0.8	3.41	0.24	3.27	16.67	0.002675	6.10882
0.7	367	0.51	0.86	1.49	1.73	4.39	0.39	4.02	7.89	0.002862	10.9107
0.8	367.29	0.8	1.31	3.87	2.95	5.29	0.56	4.71	5.89	0.002654	14.34904
0.9	367.57	1.09	1.64	7.16	4.37	6.18	0.71	5.4	4.97	0.003593	24.59072
1	367.87	1.39	1.56	9.58	6.12	9.4	0.65	5.88	4.24	0.002459	15.51792
1.1	368.07	1.58	1.72	12.5	7.26	9.4	0.77	5.88	3.72	0.002322	17.37895
1.2	368.2	1.71	1.86	14.93	8.04	9.4	0.86	5.88	3.43	0.005691	47.16298
1.3	368.34	1.85	1.87	16.56	8.87	9.4	0.94	5.88	3.18	0.002555	23.37898
1.4	368.43	1.94	1.85	17.39	9.4	9.4	1	5.88	3.03	0.005049	48.91919
1.5	368.48	1.99	1.8	17.43	9.69	9.4	1.03	5.88	2.95	0.001036	10.34734
1.6	368.5	2.01	1.71	16.67	9.77	9.4	1.04	5.88	2.93	0.004781	48.16302
1.7	368.52	2.04	1.57	15.66	9.98	9.4	1.06	5.88	2.89	0.005758	59.21393
1.8	368.53	2.04	1.46	14.7	10.07	9.4	1.07	5.88	2.88	0.002001	20.76244
1.9	368.54	2.05	1.3	13.22	10.14	9.4	1.08	5.88	2.86	0.000416	4.35179
2	368.54	2.05	1.08	10.89	10.1	9.4	1.07	5.88	2.87	0.000356	3.70525
2.1	368.53	2.04	0.91	9.19	10.07	9.4	1.07	5.88	2.88	0.000188	1.95757
2.2	368.52	2.03	0.79	7.95	10	9.4	1.06	5.88	2.9	0.000215	2.21369
2.3	368.5	2.01	0.7	6.91	9.88	9.4	1.05	5.88	2.93	0.000109	1.11215
2.4	368.47	1.98	0.62	6.05	9.7	9.4	1.03	5.88	2.97	0.000121	1.21279
2.5	368.43	1.95	0.56	5.3	9.5	9.4	1.01	5.88	3.02	0	0

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19497

MASSIMA PORTATA 22.24 AT TIME 1.37
MASSIMA QUOTA PELO LIBERO 368.6 AT TIME 1.6

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.46	0	0	0	0	0	0	0	0	0	0
0.1	366.46	0	0	0	0	0	0	0	0	0	0
0.2	366.46	0	0	0	0	0	0	0	0	0	0
0.3	366.46	0	0	0	0	0	0	0	0	0	0
0.4	366.46	0	0	0	0	0	0	0	0	0	0
0.5	366.46	0	0	0	0	0	0	0	0	0	0
0.6	366.64	0.18	0.34	0.26	0.76	3.27	0.23	3.14	17.58	0.002837	6.41226
0.7	366.95	0.49	0.93	1.46	1.57	4.26	0.37	3.91	7.99	0.003925	14.03402
0.8	367.23	0.78	1.41	3.83	2.72	5.17	0.53	4.62	5.96	0.004184	21.3561
0.9	367.52	1.07	1.71	7.11	4.15	6.1	0.68	5.34	5.01	0.003151	20.79021
1	367.84	1.38	1.57	9.45	6.02	9.34	0.64	5.87	4.25	0.003653	22.82736
1.1	368.03	1.57	1.71	12.13	7.11	9.34	0.76	5.87	3.74	0.001599	11.79668
1.2	368.17	1.71	1.84	14.47	7.88	9.34	0.84	5.87	3.44	0.005144	42.09094
1.3	368.31	1.85	1.81	15.88	8.77	9.34	0.94	5.87	3.17	0.002844	25.88193
1.4	368.4	1.94	1.8	16.65	9.25	9.34	0.99	5.87	3.03	0.005678	54.52903
1.5	368.45	1.99	1.75	16.74	9.57	9.34	1.02	5.87	2.95	0.003678	36.52782
1.6	368.46	2	1.67	16.13	9.66	9.34	1.03	5.87	2.93	0.004869	48.79972
1.7	368.5	2.04	1.51	15.04	9.93	9.34	1.06	5.87	2.87	0.000195	2.00742
1.8	368.52	2.07	1.4	14.11	10.08	9.34	1.08	5.87	2.84	0.0016	16.74344
1.9	368.54	2.08	1.25	12.76	10.18	9.34	1.09	5.87	2.82	0.000518	5.47723
2	368.53	2.08	1.05	10.62	10.14	9.34	1.09	5.87	2.83	0.000426	4.48225
2.1	368.53	2.07	0.9	9.06	10.12	9.34	1.08	5.87	2.83	0.000285	2.99037
2.2	368.52	2.06	0.79	7.94	10.05	9.34	1.08	5.87	2.85	0.000291	3.03178
2.3	368.5	2.04	0.71	6.99	9.92	9.34	1.06	5.87	2.88	0.000378	3.88608
2.4	368.47	2.01	0.64	6.22	9.74	9.34	1.04	5.87	2.93	0	0
2.5	368.43	1.97	0.58	5.51	9.55	9.34	1.02	5.87	2.98	0.000242	2.39863

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19498

MASSIMA PORTATA 21.66 AT TIME 1.37
MASSIMA QUOTA PELO LIBERO 368.65 AT TIME 1.72

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.44	0	0	0	0	0	0	0	0	0	0
0.1	366.44	0	0	0	0	0	0	0	0	0	0
0.2	366.44	0	0	0	0	0	0	0	0	0	0
0.3	366.44	0	0	0	0	0	0	0	0	0	0
0.4	366.44	0	0	0	0	0	0	0	0	0	0
0.5	366.44	0	0	0	0	0	0	0	0	0	0
0.6	366.59	0.15	0.38	0.23	0.61	3.18	0.19	3.07	20.11	0.006621	12.37041
0.7	366.88	0.44	1.01	1.43	1.41	4.08	0.35	3.77	8.57	0.0085	28.5058
0.8	367.15	0.71	1.42	3.8	2.68	4.94	0.54	4.43	6.22	0.009858	51.8483
0.9	367.46	1.02	1.65	7.05	4.28	5.91	0.72	5.18	5.08	0.005596	39.25261
1	367.81	1.37	1.46	9.28	6.34	9.19	0.69	5.76	4.21	0.007352	49.22471

1.1	367.99	1.55	1.62	11.89	7.36	9.19	0.8	5.76	3.71	0.008415	65.35838
1.2	368.12	1.69	1.74	14.13	8.12	9.19	0.88	5.76	3.42	0.007086	60.72197
1.3	368.28	1.84	1.68	15.25	9.09	9.19	0.99	5.76	3.12	0.007897	75.74287
1.4	368.36	1.92	1.68	16.02	9.56	9.19	1.04	5.76	3	0.004708	47.4981
1.5	368.42	1.98	1.62	16.05	9.88	9.19	1.08	5.76	2.91	0.010151	105.8577
1.6	368.44	2	1.56	15.63	10.03	9.19	1.09	5.76	2.88	0.003802	40.24274
1.7	368.49	2.05	1.39	14.39	10.35	9.19	1.13	5.76	2.81	0.001716	18.73279
1.8	368.52	2.08	1.28	13.5	10.54	9.19	1.15	5.76	2.77	0.002885	32.07521
1.9	368.54	2.1	1.15	12.24	10.66	9.19	1.16	5.76	2.74	0.002141	24.07169
2	368.53	2.09	0.97	10.26	10.61	9.19	1.16	5.76	2.75	0.001633	18.29016
2.1	368.53	2.09	0.83	8.8	10.59	9.19	1.15	5.76	2.76	0.00142	15.87063
2.2	368.52	2.08	0.74	7.76	10.51	9.19	1.14	5.76	2.77	0.001034	11.46697
2.3	368.49	2.05	0.66	6.89	10.38	9.19	1.13	5.76	2.8	0.00101	11.06326
2.4	368.46	2.02	0.61	6.18	10.2	9.19	1.11	5.76	2.85	0.000634	6.82086
2.5	368.43	1.99	0.55	5.49	10.01	9.19	1.09	5.76	2.89	0.000583	6.15523

CHANNEL HYDROGRAPH FOR ELEMENT NO: 19499

MASSIMA PORTATA 0.00 AT TIME 0
MASSIMA QUOTA PELO LIBERO 368.56 AT TIME 1.84

TEMPO (h)	QUOTA PELO LIBERO (m)	PROFONDITA' THALWEG (m)	VELOCITA' (m/s)	PORTATA (mc/s)	AREA BAGNATA (mq)	CONTORNO BAGNATO (m)	RAGGIO IDRAULICO (m)	LARGHEZZA PELO LIBERO (m)	RAPPORTO LARGHEZZA / PROFONDITA'	PENDENZA LINEA DEI CARICHI TOTALI	TENSIONE TANGENZIALE AL FONDO (Pa)
0	366.41	0	0	0	0	0	0	0	0	0	0
0.1	366.41	0	0	0	0	0	0	0	0	0	0
0.2	366.41	0	0	0	0	0	0	0	0	0	0
0.3	366.41	0	0	0	0	0	0	0	0	0	0
0.4	366.41	0	0	0	0	0	0	0	0	0	0
0.5	366.41	0	0	0	0	0	0	0	0	0	0
0.6	366.5	0.09	0	0	0.18	3.29	0.06	3.28	36.08	0.007746	4.17788
0.7	366.76	0.36	0	0	1.31	4.8	0.27	4.5	12.62	0.009022	23.80707
0.8	367.07	0.66	0	0	2.75	5.63	0.49	4.97	7.52	0.010405	49.22589
0.9	367.41	1	0	0	4.55	6.57	0.69	5.5	5.47	0.005491	36.84119
1	367.79	1.38	0	0	6.73	9.74	0.69	5.88	4.25	0.007661	51.28191
1.1	367.96	1.55	0	0	7.69	9.74	0.79	5.88	3.8	0.011038	84.51746
1.2	368.09	1.68	0	0	8.47	9.74	0.87	5.88	3.5	0.007276	61.31689
1.3	368.26	1.85	0	0	9.47	9.74	0.97	5.88	3.18	0.009087	85.60908
1.4	368.34	1.93	0	0	9.96	9.74	1.02	5.88	3.04	0.006585	65.29839
1.5	368.39	1.99	0	0	10.27	9.74	1.05	5.88	2.96	0.011363	116.14481
1.6	368.43	2.02	0	0	10.48	9.74	1.08	5.88	2.91	0.004361	45.47778
1.7	368.48	2.08	0	0	10.8	9.74	1.11	5.88	2.83	0.00345	37.10037
1.8	368.52	2.11	0	0	11.01	9.74	1.13	5.88	2.79	0.003356	36.7568
1.9	368.54	2.13	0	0	11.13	9.74	1.14	5.88	2.76	0.002687	29.77193
2	368.53	2.13	0	0	11.09	9.74	1.14	5.88	2.77	0.002026	22.3592
2.1	368.53	2.12	0	0	11.06	9.74	1.14	5.88	2.77	0.001835	20.20903
2.2	368.52	2.11	0	0	10.98	9.74	1.13	5.88	2.79	0.001192	13.02514
2.3	368.49	2.08	0	0	10.85	9.74	1.11	5.88	2.82	0.001044	11.26539
2.4	368.46	2.05	0	0	10.66	9.74	1.09	5.88	2.86	0.00091	9.65419
2.5	368.43	2.02	0	0	10.47	9.74	1.08	5.88	2.91	0.000624	6.50022