

Regione Piemonte

CITTA' METROPOLITANA DI TORINO



COMUNE DI CAPRIE

**LAVORI DI SISTEMAZIONE IDRAULICA
RIO CALCINERA E REALIZZAZIONE
DI AREE DI LAMINAZIONE
– PROGETTO ESECUTIVO LOTTO PRIMO –**

il progettista

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il responsabile del servizio

geom. Patrizia Volturro



allegato

0

oggetto

TABULATI ANALISI IDRAULICA

rif. **211474**

1	29/03/2021	PROGETTO DEFINITIVO
2	02/11/2021	PROGETTO ESECUTIVO

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data **Novembre'21**

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Allegato 1 – Pluviometro di Bussoleno

PLUVIOGRAFO DI BUSSOLENO

Evento di pioggia con durata 1 ora

n.	anno	valore
1	1950	23.000
2	1951	10.000
3	1952	10.400
4	1953	16.800
5	1954	14.200
6	1956	12.400
7	1957	24.600
8	1958	26.000
9	1959	11.000
10	1960	11.400
11	1961	16.400
12	1962	11.000
13	1963	16.000
14	1964	19.200
15	1965	15.000
16	1966	6.800
17	1968	19.000
18	1969	15.000
19	1970	31.000
20	1974	17.000
21	1975	14.600
22	1976	10.000
23	1977	28.000
24	1981	10.200
25	1983	20.000
26	1986	12.200

PLUVIOGRAFO DI BUSSOLENO

Evento di pioggia con durata 3 ore

n.	anno	valore
1	1950	27.600
2	1951	24.000
3	1952	16.600
4	1953	28.800
5	1954	14.600
6	1956	27.000
7	1957	45.400
8	1958	32.400
9	1959	16.000
10	1960	25.000
11	1961	34.400
12	1962	27.600
13	1963	18.000
14	1964	19.200
15	1965	30.000
16	1966	11.000
17	1968	24.000
18	1969	23.000
19	1970	37.000
20	1974	17.000
21	1975	20.600
22	1976	16.800
23	1977	63.000
24	1981	24.600
25	1983	34.200
26	1986	20.600

PLUVIOGRAFO DI BUSSOLENO

Evento di pioggia con durata 6 ore

n.	anno	valore
1	1950	28.600
2	1951	33.600
3	1952	20.000
4	1953	51.600
5	1954	20.600
6	1956	29.000
7	1957	49.200
8	1958	33.400

9	1959	24.000
10	1960	38.000
11	1961	41.600
12	1962	45.400
13	1963	20.400
14	1964	30.000
15	1965	46.000
16	1966	20.000
17	1968	40.000
18	1969	36.000
19	1970	58.600
20	1974	21.800
21	1975	27.000
22	1976	27.200
23	1977	72.400
24	1981	42.000
25	1983	35.400
26	1986	31.200

PLUVIOGRAFO DI BUSSOLENO

Evento di pioggia con durata 12 ore

n.	anno	valore
1	1950	28.600
2	1951	48.000
3	1952	21.600
4	1953	72.400
5	1954	33.400
6	1956	45.200
7	1957	51.000
8	1958	34.200
9	1959	42.800
10	1960	55.000
11	1961	48.000
12	1962	76.600
13	1963	31.000
14	1964	35.600
15	1965	56.000
16	1966	31.000
17	1968	57.000
18	1969	57.800
19	1970	67.000
20	1974	27.600
21	1975	38.000
22	1976	42.400
23	1977	95.600
24	1981	72.600
25	1983	49.600
26	1986	57.800

PLUVIOGRAFO DI BUSSOLENO

Evento di pioggia con durata 24 ore

n.	anno	valore
1	1950	32.000
2	1951	50.000
3	1952	34.400
4	1953	84.600
5	1954	48.600
6	1956	69.800
7	1957	55.200
8	1958	57.200
9	1959	72.600
10	1960	74.800
11	1961	61.600
12	1962	108.000
13	1963	37.600
14	1964	41.000
15	1965	100.000
16	1966	43.600
17	1968	77.200
18	1969	85.000
19	1970	85.600
20	1974	27.800
21	1975	43.600
22	1976	57.400
23	1977	133.000
24	1981	124.000
25	1983	58.200
26	1986	78.200

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 1 ora

Ordinamento dei valori in modo crescente
e calcolo della frequenza cumulata relativa

n.	valore	frequenza cumulata relativa
1	6.800	0.03704
2	10.000	0.07407
3	10.000	0.11111
4	10.200	0.14815
5	10.400	0.18519
6	11.000	0.22222
7	11.000	0.25926
8	11.400	0.29630
9	12.200	0.33333
10	12.400	0.37037
11	14.200	0.40741
12	14.600	0.44444
13	15.000	0.48148
14	15.000	0.51852
15	16.000	0.55556
16	16.400	0.59259
17	16.800	0.62963
18	17.000	0.66667
19	19.000	0.70370
20	19.200	0.74074
21	20.000	0.77778
22	23.000	0.81481
23	24.600	0.85185
24	26.000	0.88889
25	28.000	0.92593
26	31.000	0.96296
Media		16.2000
Scarto quadratico medio non deviato		6.1818

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 3 ore

Ordinamento dei valori in modo crescente
e calcolo della frequenza cumulata relativa

n.	valore	frequenza cumulata relativa
1	11.000	0.03704
2	14.600	0.07407
3	16.000	0.11111
4	16.600	0.14815
5	16.800	0.18519
6	17.000	0.22222
7	18.000	0.25926
8	19.200	0.29630
9	20.600	0.33333
10	20.600	0.37037
11	23.000	0.40741
12	24.000	0.44444
13	24.000	0.48148
14	24.600	0.51852
15	25.000	0.55556
16	27.000	0.59259
17	27.600	0.62963
18	27.600	0.66667
19	28.800	0.70370
20	30.000	0.74074
21	32.400	0.77778
22	34.200	0.81481
23	34.400	0.85185
24	37.000	0.88889
25	45.400	0.92593
26	63.000	0.96296
Media		26.0923
Scarto quadratico medio non deviato		10.9038

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 6 ore

Ordinamento dei valori in modo crescente
e calcolo della frequenza cumulata relativa

n.	valore	frequenza cumulata relativa
1	20.000	0.03704
2	20.000	0.07407
3	20.400	0.11111
4	20.600	0.14815
5	21.800	0.18519
6	24.000	0.22222
7	27.000	0.25926
8	27.200	0.29630
9	28.600	0.33333
10	29.000	0.37037
11	30.000	0.40741
12	31.200	0.44444
13	33.400	0.48148
14	33.600	0.51852
15	35.400	0.55556
16	36.000	0.59259
17	38.000	0.62963
18	40.000	0.66667
19	41.600	0.70370
20	42.000	0.74074
21	45.400	0.77778
22	46.000	0.81481
23	49.200	0.85185
24	51.600	0.88889
25	58.600	0.92593
26	72.400	0.96296
Media		35.5000
Scarto quadratico medio non deviato		12.9535

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 12 ore

Ordinamento dei valori in modo crescente
e calcolo della frequenza cumulata relativa

n.	valore	frequenza cumulata relativa
1	21.600	0.03704
2	27.600	0.07407
3	28.600	0.11111
4	31.000	0.14815
5	31.000	0.18519
6	33.400	0.22222
7	34.200	0.25926
8	35.600	0.29630
9	38.000	0.33333
10	42.400	0.37037
11	42.800	0.40741
12	45.200	0.44444
13	48.000	0.48148
14	48.000	0.51852
15	49.600	0.55556
16	51.000	0.59259
17	55.000	0.62963
18	56.000	0.66667
19	57.000	0.70370
20	57.800	0.74074
21	57.800	0.77778
22	67.000	0.81481
23	72.400	0.85185
24	72.600	0.88889
25	76.600	0.92593
26	95.600	0.96296
Media		49.0692
Scarto quadratico medio non deviato		17.6683

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 24 ore

Ordinamento dei valori in modo crescente
e calcolo della frequenza cumulata relativa

n.	valore	frequenza cumulata relativa
1	27.800	0.03704
2	32.000	0.07407
3	34.400	0.11111
4	37.600	0.14815
5	41.000	0.18519
6	43.600	0.22222
7	43.600	0.25926
8	48.600	0.29630
9	50.000	0.33333
10	55.200	0.37037
11	57.200	0.40741
12	57.400	0.44444
13	58.200	0.48148
14	61.600	0.51852
15	69.800	0.55556
16	72.600	0.59259
17	74.800	0.62963
18	77.200	0.66667
19	78.200	0.70370
20	84.600	0.74074
21	85.000	0.77778
22	85.600	0.81481
23	100.000	0.85185
24	108.000	0.88889
25	124.000	0.92593
26	133.000	0.96296
Media		66.9615
Scarto quadratico medio non deviato		27.7169

Allegato 2 – Analisi idrologica con tempo di ritorno 20 anni

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 1 ora

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
 α 0.1808
 u 13.2576

Tempo di ritorno 20 anni 29.6832

n.	valore	freq. cumul.	y_s	y	funz. probab.	segno
1	6.800	0.03704	-1.19266	-1.16772	0.04017	+
2	10.000	0.07407	-0.95655	-0.58907	0.16492	+
3	10.000	0.11111	-0.78720	-0.58907	0.16492	+
4	10.200	0.14815	-0.64686	-0.55290	0.17582	+
5	10.400	0.18519	-0.52260	-0.51674	0.18702	+
6	11.000	0.22222	-0.40818	-0.40824	0.22220	-
7	11.000	0.25926	-0.30005	-0.40824	0.22220	-
8	11.400	0.29630	-0.19589	-0.33591	0.24679	-
9	12.200	0.33333	-0.09405	-0.19125	0.29797	-
10	12.400	0.37037	0.00677	-0.15508	0.31106	-
11	14.200	0.40741	0.10765	0.17041	0.43028	+
12	14.600	0.44444	0.20957	0.24274	0.45636	+
13	15.000	0.48148	0.31350	0.31507	0.48204	+
14	15.000	0.51852	0.42041	0.31507	0.48204	-
15	16.000	0.55556	0.53139	0.49590	0.54388	-
16	16.400	0.59259	0.64770	0.56823	0.56749	-
17	16.800	0.62963	0.77084	0.64056	0.59037	-
18	17.000	0.66667	0.90272	0.67672	0.60153	-
19	19.000	0.70370	1.04584	1.03838	0.70186	-
20	19.200	0.74074	1.20362	1.07454	0.71074	-
21	20.000	0.77778	1.38105	1.21921	0.74419	-
22	23.000	0.81481	1.58575	1.76169	0.84219	+
23	24.600	0.85185	1.83044	2.05101	0.87932	+
24	26.000	0.88889	2.13891	2.30417	0.90498	+
25	28.000	0.92593	2.56446	2.66583	0.93282	+
26	31.000	0.96296	3.27703	3.20831	0.96038	-

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 3 ore

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
 α 0.1025
 u 20.9024

Tempo di ritorno 20 anni 49.8749

n.	valore	freq. cumul.	y_s	y	funz. probab.	segno
1	11.000	0.03704	-1.19266	-1.01517	0.06330	+
2	14.600	0.07407	-0.95655	-0.64610	0.14836	+
3	16.000	0.11111	-0.78720	-0.50258	0.19148	+
4	16.600	0.14815	-0.64686	-0.44107	0.21132	+
5	16.800	0.18519	-0.52260	-0.42056	0.21810	+
6	17.000	0.22222	-0.40818	-0.40006	0.22494	+
7	18.000	0.25926	-0.30005	-0.29754	0.26014	+
8	19.200	0.29630	-0.19589	-0.17452	0.30402	+
9	20.600	0.33333	-0.09405	-0.03100	0.35648	+
10	20.600	0.37037	0.00677	-0.03100	0.35648	-
11	23.000	0.40741	0.10765	0.21505	0.44642	+
12	24.000	0.44444	0.20957	0.31756	0.48291	+
13	24.000	0.48148	0.31350	0.31756	0.48291	+
14	24.600	0.51852	0.42041	0.37907	0.50434	-
15	25.000	0.55556	0.53139	0.42008	0.51841	-

16	27.000	0.59259	0.64770	0.62512	0.58555	-
17	27.600	0.62963	0.77084	0.68663	0.60455	-
18	27.600	0.66667	0.90272	0.68663	0.60455	-
19	28.800	0.70370	1.04584	0.80965	0.64081	-
20	30.000	0.74074	1.20362	0.93267	0.67469	-
21	32.400	0.77778	1.38105	1.17871	0.73515	-
22	34.200	0.81481	1.58575	1.36324	0.77427	-
23	34.400	0.85185	1.83044	1.38375	0.77830	-
24	37.000	0.88889	2.13891	1.65029	0.82531	-
25	45.400	0.92593	2.56446	2.51144	0.92205	-
26	63.000	0.96296	3.27703	4.31575	0.98673	+

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 6 ore

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
alfa 0.0863
u 29.3345

Tempo di ritorno 20 anni 63.7531

n.	valore	freq. cumul.	ys	y	funz. probab.	segno
1	20.000	0.03704	-1.19266	-0.80553	0.10668	+
2	20.000	0.07407	-0.95655	-0.80553	0.10668	+
3	20.400	0.11111	-0.78720	-0.77101	0.11510	+
4	20.600	0.14815	-0.64686	-0.75375	0.11944	-
5	21.800	0.18519	-0.52260	-0.65019	0.14721	-
6	24.000	0.22222	-0.40818	-0.46034	0.20503	-
7	27.000	0.25926	-0.30005	-0.20145	0.29429	+
8	27.200	0.29630	-0.19589	-0.18420	0.30052	+
9	28.600	0.33333	-0.09405	-0.06338	0.34458	+
10	29.000	0.37037	0.00677	-0.02886	0.35726	-
11	30.000	0.40741	0.10765	0.05743	0.38900	-
12	31.200	0.44444	0.20957	0.16099	0.42686	-
13	33.400	0.48148	0.31350	0.35084	0.49456	+
14	33.600	0.51852	0.42041	0.36810	0.50055	-
15	35.400	0.55556	0.53139	0.52343	0.55295	-
16	36.000	0.59259	0.64770	0.57521	0.56973	-
17	38.000	0.62963	0.77084	0.74780	0.62288	-
18	40.000	0.66667	0.90272	0.92039	0.67142	+
19	41.600	0.70370	1.04584	1.05847	0.70681	+
20	42.000	0.74074	1.20362	1.09299	0.71519	-
21	45.400	0.77778	1.38105	1.38639	0.77882	+
22	46.000	0.81481	1.58575	1.43817	0.78871	-
23	49.200	0.85185	1.83044	1.71432	0.83520	-
24	51.600	0.88889	2.13891	1.92143	0.86381	-
25	58.600	0.92593	2.56446	2.52550	0.92310	-
26	72.400	0.96296	3.27703	3.71639	0.97597	+

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 12 ore

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
alfa 0.0633
u 40.6595

Tempo di ritorno 20 anni 87.6059

n.	valore	freq. cumul.	ys	y	funz. probab.	segno
1	21.600	0.03704	-1.19266	-1.20586	0.03545	-
2	27.600	0.07407	-0.95655	-0.82625	0.10180	+
3	28.600	0.11111	-0.78720	-0.76298	0.11711	+
4	31.000	0.14815	-0.64686	-0.61114	0.15842	+
5	31.000	0.18519	-0.52260	-0.61114	0.15842	-
6	33.400	0.22222	-0.40818	-0.45930	0.20537	-
7	34.200	0.25926	-0.30005	-0.40868	0.22205	-
8	35.600	0.29630	-0.19589	-0.32011	0.25227	-
9	38.000	0.33333	-0.09405	-0.16826	0.30628	-
10	42.400	0.37037	0.00677	0.11011	0.40831	+

11	42.800	0.40741	0.10765	0.13542	0.41755	+
12	45.200	0.44444	0.20957	0.28726	0.47222	+
13	48.000	0.48148	0.31350	0.46441	0.53339	+
14	48.000	0.51852	0.42041	0.46441	0.53339	+
15	49.600	0.55556	0.53139	0.56564	0.56666	+
16	51.000	0.59259	0.64770	0.65422	0.59461	+
17	55.000	0.62963	0.77084	0.90729	0.66790	+
18	56.000	0.66667	0.90272	0.97056	0.68463	+
19	57.000	0.70370	1.04584	1.03382	0.70072	-
20	57.800	0.74074	1.20362	1.08444	0.71313	-
21	57.800	0.77778	1.38105	1.08444	0.71313	-
22	67.000	0.81481	1.58575	1.66650	0.82786	+
23	72.400	0.85185	1.83044	2.00815	0.87438	+
24	72.600	0.88889	2.13891	2.02080	0.87586	-
25	76.600	0.92593	2.56446	2.27387	0.90221	-
26	95.600	0.96296	3.27703	3.47596	0.96954	+

PLUVIOGRAFO DI BUSSOLENO

Evento di pioggia con durata 24 ore

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
 α 0.0403
 u 53.7690

Tempo di ritorno 20 anni 127.4155

n.	valore	freq. cumul.	y_s	y	funz. probab.	segno
1	27.800	0.03704	-1.19266	-1.04734	0.05784	+
2	32.000	0.07407	-0.95655	-0.87795	0.09018	+
3	34.400	0.11111	-0.78720	-0.78116	0.11259	+
4	37.600	0.14815	-0.64686	-0.65210	0.14667	-
5	41.000	0.18519	-0.52260	-0.51498	0.18757	+
6	43.600	0.22222	-0.40818	-0.41012	0.22157	-
7	43.600	0.25926	-0.30005	-0.41012	0.22157	-
8	48.600	0.29630	-0.19589	-0.20847	0.29177	-
9	50.000	0.33333	-0.09405	-0.15200	0.31218	-
10	55.200	0.37037	0.00677	0.05771	0.38910	+
11	57.200	0.40741	0.10765	0.13837	0.41863	+
12	57.400	0.44444	0.20957	0.14644	0.42157	-
13	58.200	0.48148	0.31350	0.17871	0.43329	-
14	61.600	0.51852	0.42041	0.31583	0.48230	-
15	69.800	0.55556	0.53139	0.64654	0.59223	+
16	72.600	0.59259	0.64770	0.75946	0.62631	+
17	74.800	0.62963	0.77084	0.84819	0.65169	+
18	77.200	0.66667	0.90272	0.94498	0.67795	+
19	78.200	0.70370	1.04584	0.98531	0.68844	-
20	84.600	0.74074	1.20362	1.24343	0.74947	+
21	85.000	0.77778	1.38105	1.25956	0.75293	-
22	85.600	0.81481	1.58575	1.28376	0.75806	-
23	100.000	0.85185	1.83044	1.86452	0.85644	+
24	108.000	0.88889	2.13891	2.18716	0.89383	+
25	124.000	0.92593	2.56446	2.83245	0.94283	+
26	133.000	0.96296	3.27703	3.19542	0.95988	-

PLUVIOGRAFO DI BUSSOLENO

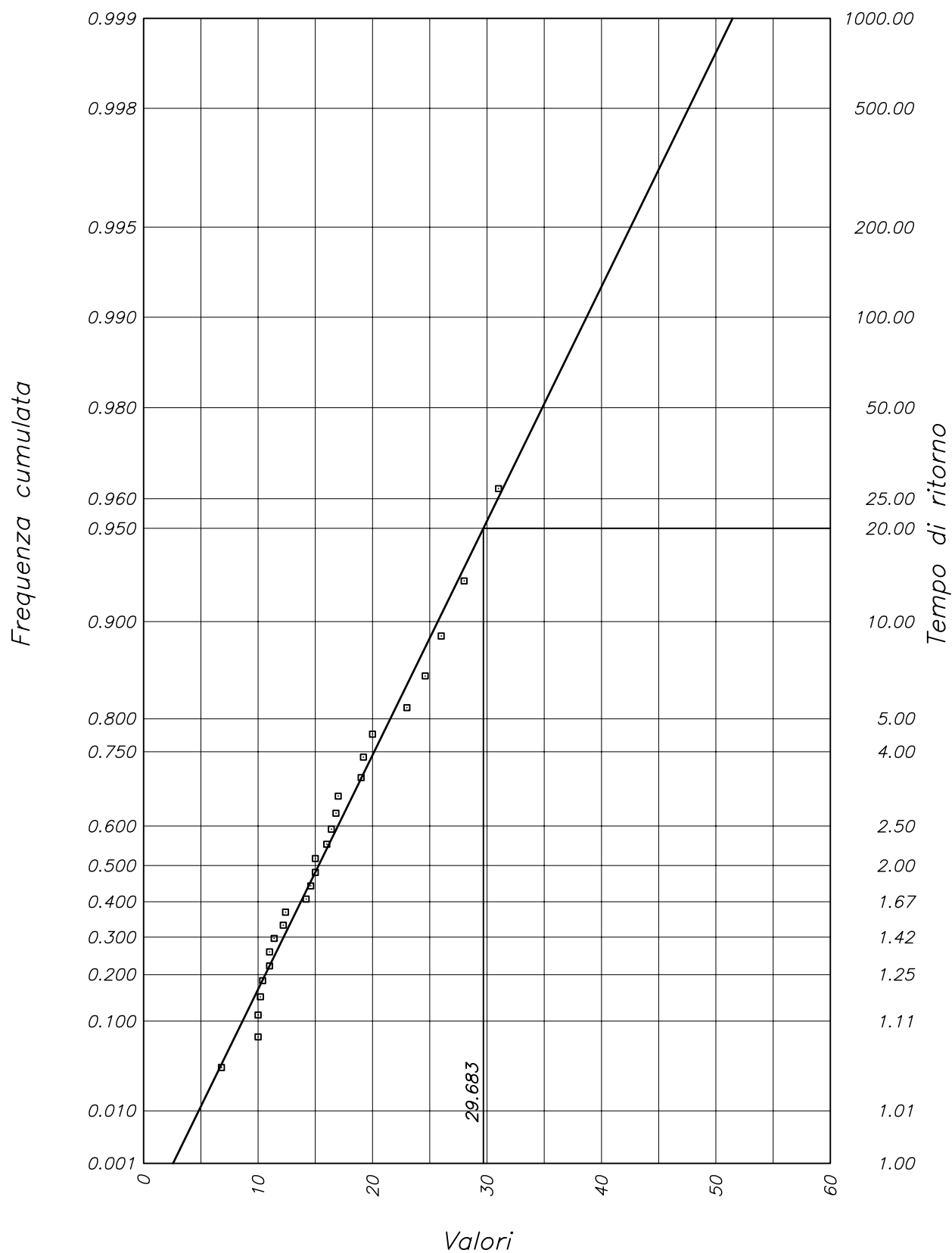
Tempo di ritorno di anni 20

Valori sperimentali

t	h
1	29.683
3	49.875
6	63.753
12	87.606
24	127.415

$a =$ 29.5847
 $n =$ 0.4488

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 20 ANNI VALORE 29.683
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 1 ora



$$fc = \exp(-\exp(-\alpha(x-u)))$$

alfa= 0.18083

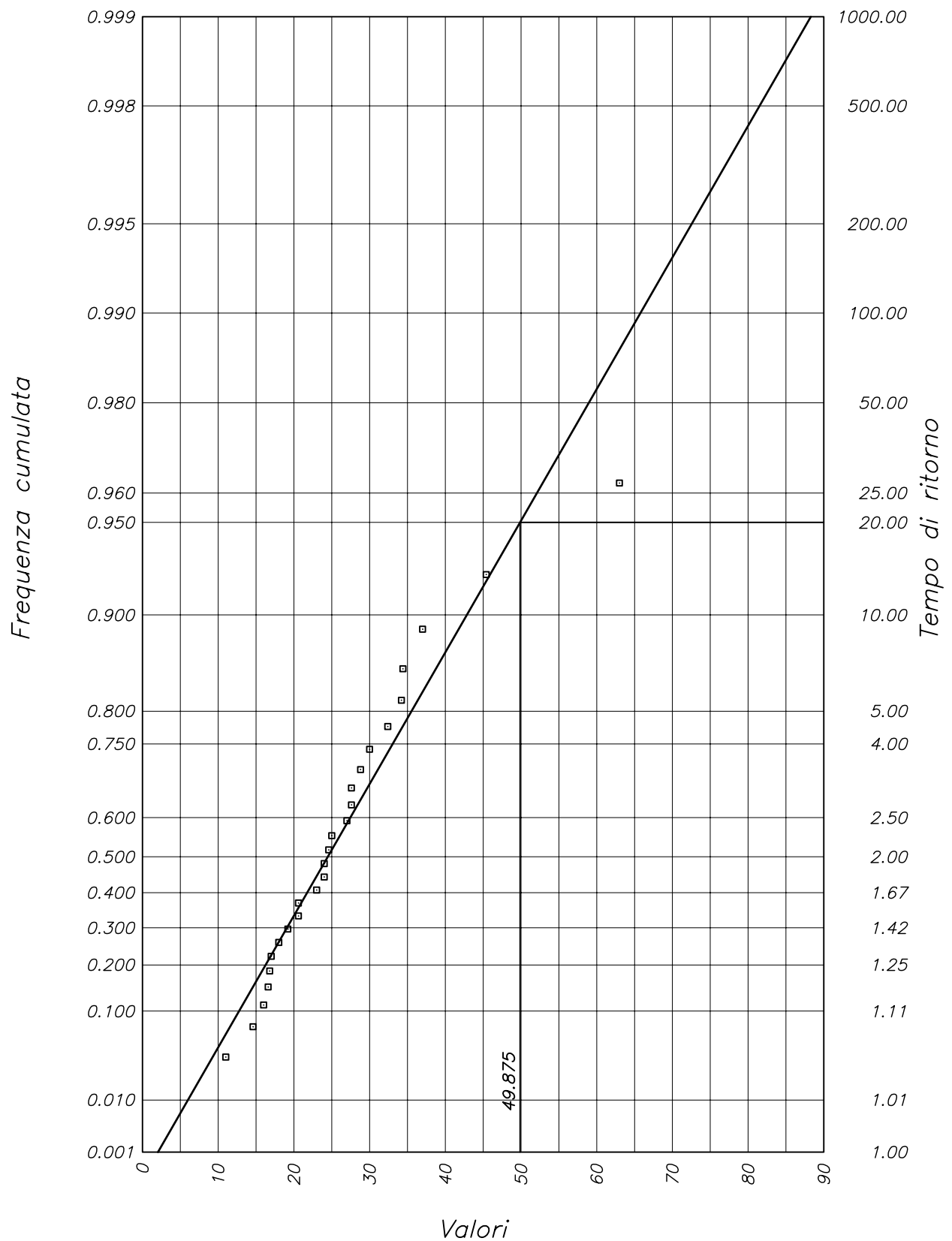
u= 13.25763

Valore sperimentale

Funzione di regressione

□

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 20 ANNI VALORE 49.875
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 3 ore



$$fc = \exp(-\exp(-\alpha(x-u)))$$

$\alpha = 0.10252$

$u = 20.90235$

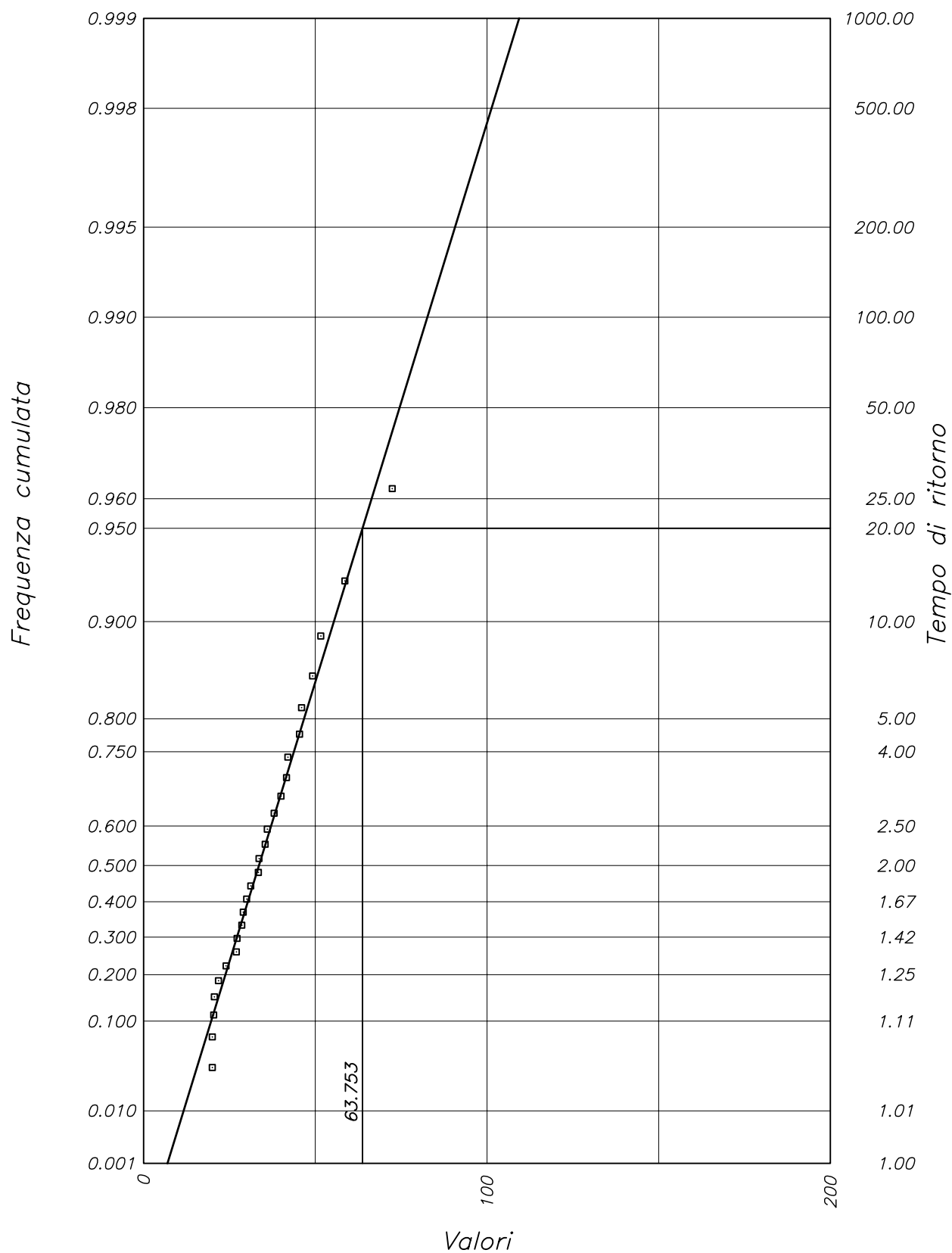
Valore sperimentale

Funzione di regressione

□

—

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 20 ANNI VALORE 63.753
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 6 ore



$$f_c = \exp(-\exp(-\alpha(x-u)))$$

$\alpha = 0.08630$

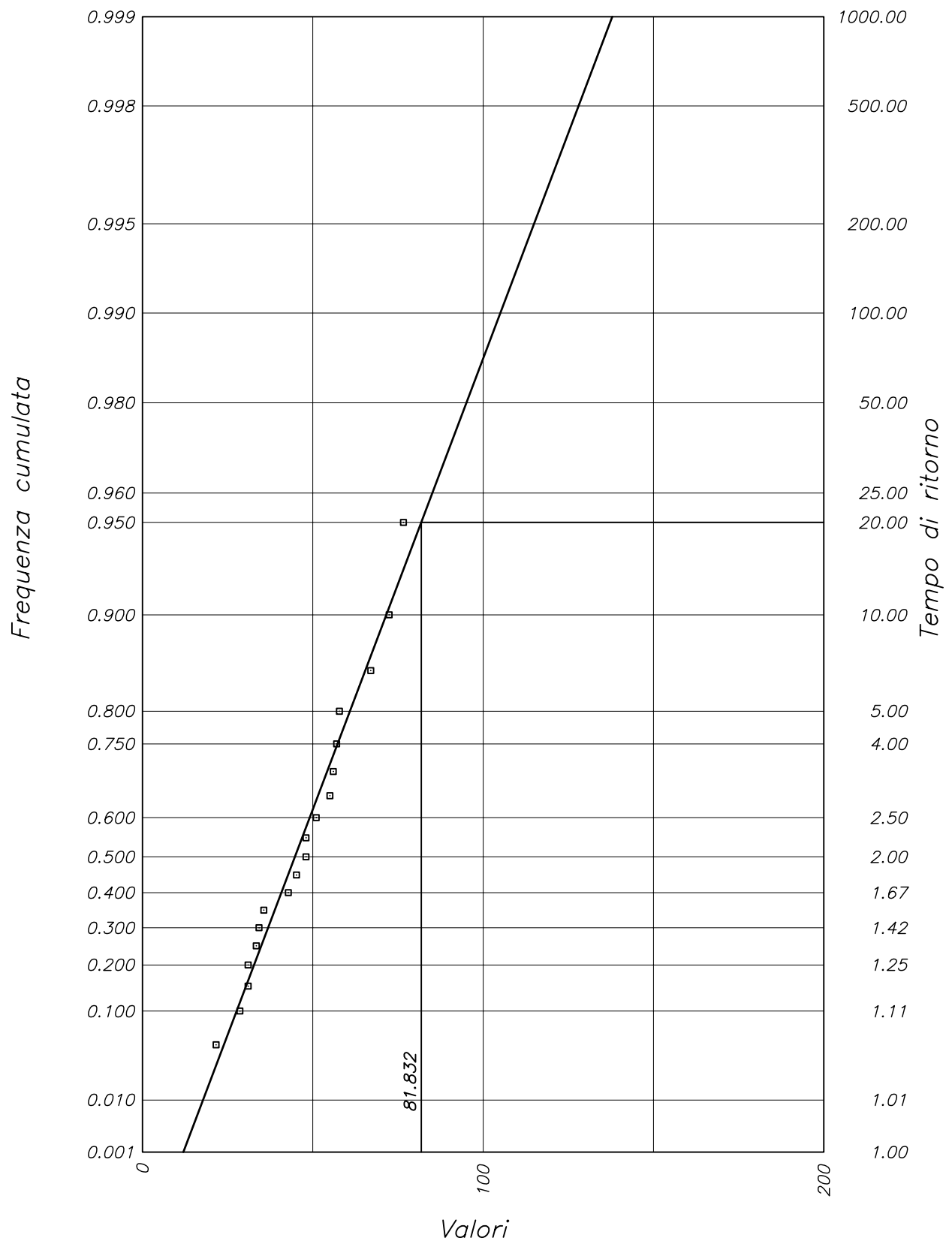
$u = 29.33446$

Valore sperimentale

Funzione di regressione

□

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 20 ANNI VALORE 81.832
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 12 ore



$$f_c = \exp(-\exp(-\alpha(x-u)))$$

$\alpha = 0.07021$

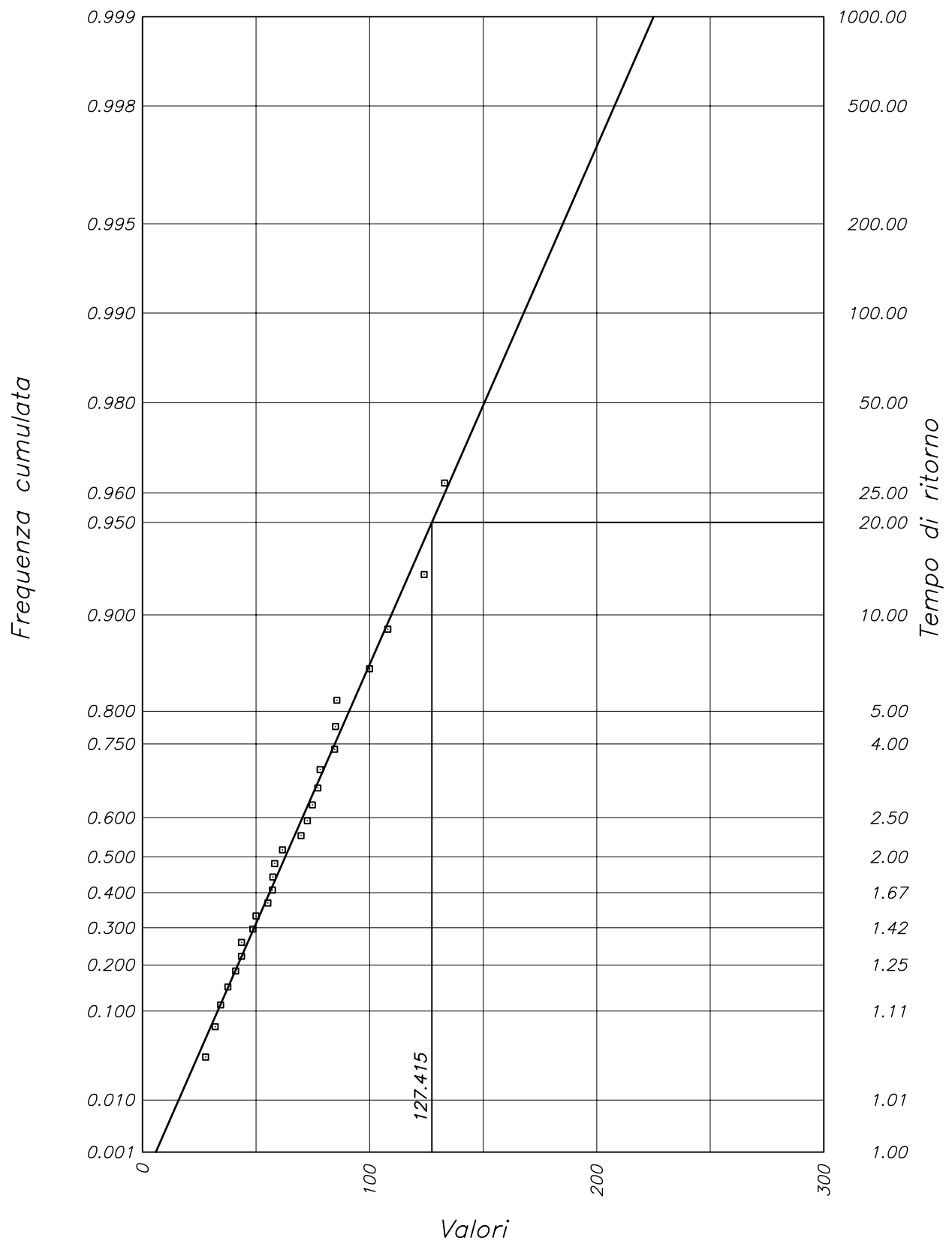
$u = 39.52647$

Valore sperimentale

Funzione di regressione

□

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 20 ANNI VALORE 127.415
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 24 ore



$$fc = \exp(-\exp(-\alpha(x-u)))$$

$\alpha = 0.04033$

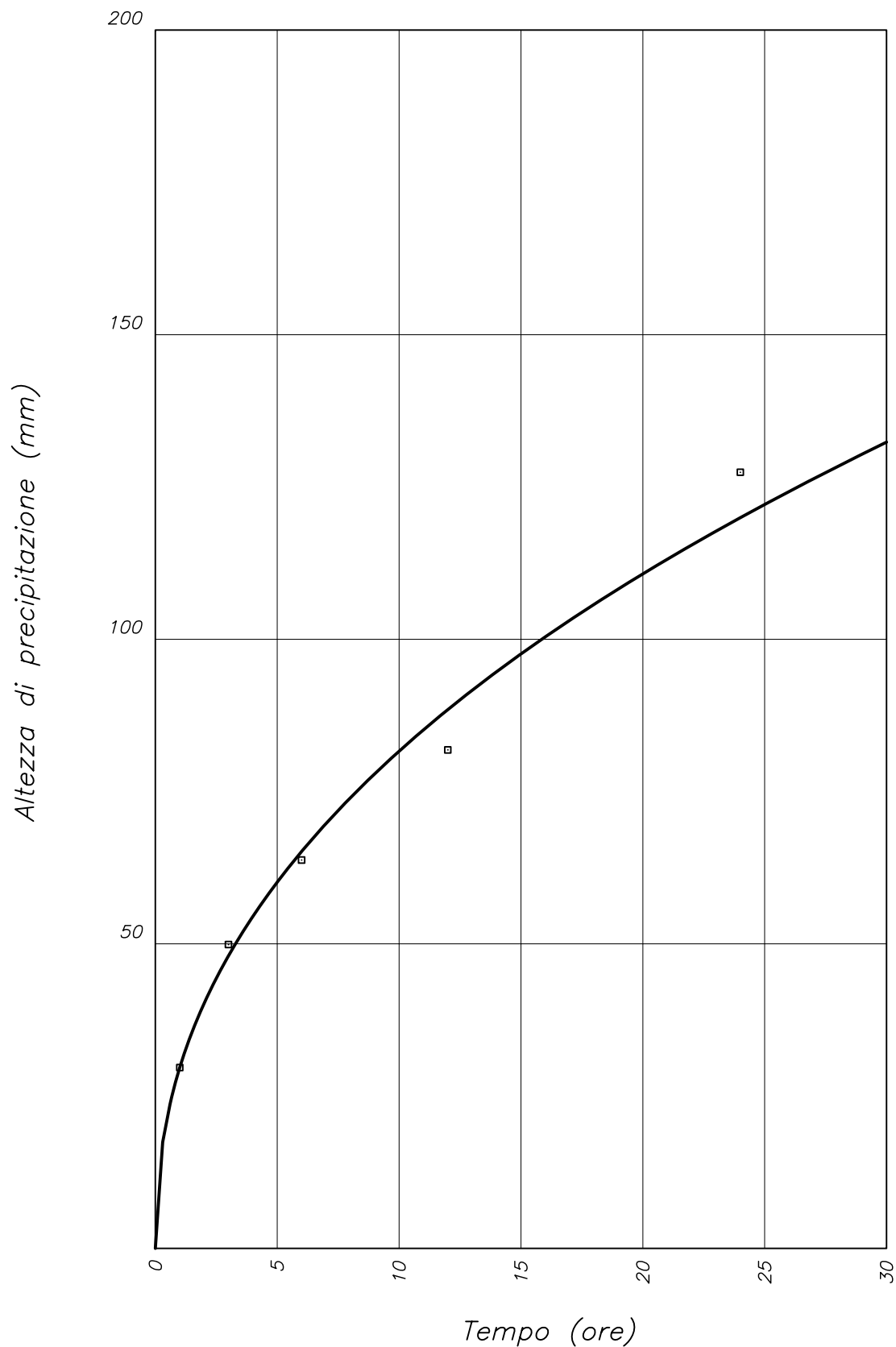
$u = 53.76897$

Valore sperimentale

Funzione di regressione

□

PLUVIOGRAFO DI BUSSOLENO
 TEMPO DI RITORNO 20 ANNI
 CURVA DI MASSIMA POSSIBILITA' CLIMATICA



$$h = a \cdot t^{**n}$$

$a = 29.62218$

$n = 0.44013$

Valore sperimentale

Funzione di regressione

□

Allegato 3 – Analisi idrologica con tempo di ritorno 100 anni

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 1 ora

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
alfa 0.1808
u 13.2576

Tempo di ritorno 100 anni 38.6971

n.	valore	freq. cumul.	ys	y	funz. probab.	segno
1	6.800	0.03704	-1.19266	-1.16772	0.04017	+
2	10.000	0.07407	-0.95655	-0.58907	0.16492	+
3	10.000	0.11111	-0.78720	-0.58907	0.16492	+
4	10.200	0.14815	-0.64686	-0.55290	0.17582	+
5	10.400	0.18519	-0.52260	-0.51674	0.18702	+
6	11.000	0.22222	-0.40818	-0.40824	0.22220	-
7	11.000	0.25926	-0.30005	-0.40824	0.22220	-
8	11.400	0.29630	-0.19589	-0.33591	0.24679	-
9	12.200	0.33333	-0.09405	-0.19125	0.29797	-
10	12.400	0.37037	0.00677	-0.15508	0.31106	-
11	14.200	0.40741	0.10765	0.17041	0.43028	+
12	14.600	0.44444	0.20957	0.24274	0.45636	+
13	15.000	0.48148	0.31350	0.31507	0.48204	+
14	15.000	0.51852	0.42041	0.31507	0.48204	-
15	16.000	0.55556	0.53139	0.49590	0.54388	-
16	16.400	0.59259	0.64770	0.56823	0.56749	-
17	16.800	0.62963	0.77084	0.64056	0.59037	-
18	17.000	0.66667	0.90272	0.67672	0.60153	-
19	19.000	0.70370	1.04584	1.03838	0.70186	-
20	19.200	0.74074	1.20362	1.07454	0.71074	-
21	20.000	0.77778	1.38105	1.21921	0.74419	-
22	23.000	0.81481	1.58575	1.76169	0.84219	+
23	24.600	0.85185	1.83044	2.05101	0.87932	+
24	26.000	0.88889	2.13891	2.30417	0.90498	+
25	28.000	0.92593	2.56446	2.66583	0.93282	+
26	31.000	0.96296	3.27703	3.20831	0.96038	-

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 3 ore

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
alfa 0.1025
u 20.9024

Tempo di ritorno 100 anni 65.7741

n.	valore	freq. cumul.	ys	y	funz. probab.	segno
1	11.000	0.03704	-1.19266	-1.01517	0.06330	+
2	14.600	0.07407	-0.95655	-0.64610	0.14836	+
3	16.000	0.11111	-0.78720	-0.50258	0.19148	+
4	16.600	0.14815	-0.64686	-0.44107	0.21132	+
5	16.800	0.18519	-0.52260	-0.42056	0.21810	+
6	17.000	0.22222	-0.40818	-0.40006	0.22494	+
7	18.000	0.25926	-0.30005	-0.29754	0.26014	+
8	19.200	0.29630	-0.19589	-0.17452	0.30402	+
9	20.600	0.33333	-0.09405	-0.03100	0.35648	+
10	20.600	0.37037	0.00677	-0.03100	0.35648	-
11	23.000	0.40741	0.10765	0.21505	0.44642	+
12	24.000	0.44444	0.20957	0.31756	0.48291	+
13	24.000	0.48148	0.31350	0.31756	0.48291	+

14	24.600	0.51852	0.42041	0.37907	0.50434	-
15	25.000	0.55556	0.53139	0.42008	0.51841	-
16	27.000	0.59259	0.64770	0.62512	0.58555	-
17	27.600	0.62963	0.77084	0.68663	0.60455	-
18	27.600	0.66667	0.90272	0.68663	0.60455	-
19	28.800	0.70370	1.04584	0.80965	0.64081	-
20	30.000	0.74074	1.20362	0.93267	0.67469	-
21	32.400	0.77778	1.38105	1.17871	0.73515	-
22	34.200	0.81481	1.58575	1.36324	0.77427	-
23	34.400	0.85185	1.83044	1.38375	0.77830	-
24	37.000	0.88889	2.13891	1.65029	0.82531	-
25	45.400	0.92593	2.56446	2.51144	0.92205	-
26	63.000	0.96296	3.27703	4.31575	0.98673	+

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 6 ore

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
alfa 0.0863
u 29.3345

Tempo di ritorno 100 anni 82.6410

n.	valore	freq. cumul.	ys	y	funz. probab.	segno
1	20.000	0.03704	-1.19266	-0.80553	0.10668	+
2	20.000	0.07407	-0.95655	-0.80553	0.10668	+
3	20.400	0.11111	-0.78720	-0.77101	0.11510	+
4	20.600	0.14815	-0.64686	-0.75375	0.11944	-
5	21.800	0.18519	-0.52260	-0.65019	0.14721	-
6	24.000	0.22222	-0.40818	-0.46034	0.20503	-
7	27.000	0.25926	-0.30005	-0.20145	0.29429	+
8	27.200	0.29630	-0.19589	-0.18420	0.30052	+
9	28.600	0.33333	-0.09405	-0.06338	0.34458	+
10	29.000	0.37037	0.00677	-0.02886	0.35726	-
11	30.000	0.40741	0.10765	0.05743	0.38900	-
12	31.200	0.44444	0.20957	0.16099	0.42686	-
13	33.400	0.48148	0.31350	0.35084	0.49456	+
14	33.600	0.51852	0.42041	0.36810	0.50055	-
15	35.400	0.55556	0.53139	0.52343	0.55295	-
16	36.000	0.59259	0.64770	0.57521	0.56973	-
17	38.000	0.62963	0.77084	0.74780	0.62288	-
18	40.000	0.66667	0.90272	0.92039	0.67142	+
19	41.600	0.70370	1.04584	1.05847	0.70681	+
20	42.000	0.74074	1.20362	1.09299	0.71519	-
21	45.400	0.77778	1.38105	1.38639	0.77882	+
22	46.000	0.81481	1.58575	1.43817	0.78871	-
23	49.200	0.85185	1.83044	1.71432	0.83520	-
24	51.600	0.88889	2.13891	1.92143	0.86381	-
25	58.600	0.92593	2.56446	2.52550	0.92310	-
26	72.400	0.96296	3.27703	3.71639	0.97597	+

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 12 ore

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
alfa 0.0633
u 40.6595

Tempo di ritorno 100 anni 113.3687

n.	valore	freq. cumul.	ys	y	funz. probab.	segno
1	21.600	0.03704	-1.19266	-1.20586	0.03545	-
2	27.600	0.07407	-0.95655	-0.82625	0.10180	+
3	28.600	0.11111	-0.78720	-0.76298	0.11711	+
4	31.000	0.14815	-0.64686	-0.61114	0.15842	+
5	31.000	0.18519	-0.52260	-0.61114	0.15842	-
6	33.400	0.22222	-0.40818	-0.45930	0.20537	-
7	34.200	0.25926	-0.30005	-0.40868	0.22205	-

8	35.600	0.29630	-0.19589	-0.32011	0.25227	-
9	38.000	0.33333	-0.09405	-0.16826	0.30628	-
10	42.400	0.37037	0.00677	0.11011	0.40831	+
11	42.800	0.40741	0.10765	0.13542	0.41755	+
12	45.200	0.44444	0.20957	0.28726	0.47222	+
13	48.000	0.48148	0.31350	0.46441	0.53339	+
14	48.000	0.51852	0.42041	0.46441	0.53339	+
15	49.600	0.55556	0.53139	0.56564	0.56666	+
16	51.000	0.59259	0.64770	0.65422	0.59461	+
17	55.000	0.62963	0.77084	0.90729	0.66790	+
18	56.000	0.66667	0.90272	0.97056	0.68463	+
19	57.000	0.70370	1.04584	1.03382	0.70072	-
20	57.800	0.74074	1.20362	1.08444	0.71313	-
21	57.800	0.77778	1.38105	1.08444	0.71313	-
22	67.000	0.81481	1.58575	1.66650	0.82786	+
23	72.400	0.85185	1.83044	2.00815	0.87438	+
24	72.600	0.88889	2.13891	2.02080	0.87586	-
25	76.600	0.92593	2.56446	2.27387	0.90221	-
26	95.600	0.96296	3.27703	3.47596	0.96954	+

PLUVIOGRAFO DI BUSSOLENO

Evento di pioggia con durata 24 ore

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
alfa 0.0403
u 53.7690

Tempo di ritorno 100 anni 167.8305

n.	valore	freq. cumul.	ys	y	funz. probab.	segno
1	27.800	0.03704	-1.19266	-1.04734	0.05784	+
2	32.000	0.07407	-0.95655	-0.87795	0.09018	+
3	34.400	0.11111	-0.78720	-0.78116	0.11259	+
4	37.600	0.14815	-0.64686	-0.65210	0.14667	-
5	41.000	0.18519	-0.52260	-0.51498	0.18757	+
6	43.600	0.22222	-0.40818	-0.41012	0.22157	-
7	43.600	0.25926	-0.30005	-0.41012	0.22157	-
8	48.600	0.29630	-0.19589	-0.20847	0.29177	-
9	50.000	0.33333	-0.09405	-0.15200	0.31218	-
10	55.200	0.37037	0.00677	0.05771	0.38910	+
11	57.200	0.40741	0.10765	0.13837	0.41863	+
12	57.400	0.44444	0.20957	0.14644	0.42157	-
13	58.200	0.48148	0.31350	0.17871	0.43329	-
14	61.600	0.51852	0.42041	0.31583	0.48230	-
15	69.800	0.55556	0.53139	0.64654	0.59223	+
16	72.600	0.59259	0.64770	0.75946	0.62631	+
17	74.800	0.62963	0.77084	0.84819	0.65169	+
18	77.200	0.66667	0.90272	0.94498	0.67795	+
19	78.200	0.70370	1.04584	0.98531	0.68844	-
20	84.600	0.74074	1.20362	1.24343	0.74947	+
21	85.000	0.77778	1.38105	1.25956	0.75293	-
22	85.600	0.81481	1.58575	1.28376	0.75806	-
23	100.000	0.85185	1.83044	1.86452	0.85644	+
24	108.000	0.88889	2.13891	2.18716	0.89383	+
25	124.000	0.92593	2.56446	2.83245	0.94283	+
26	133.000	0.96296	3.27703	3.19542	0.95988	-

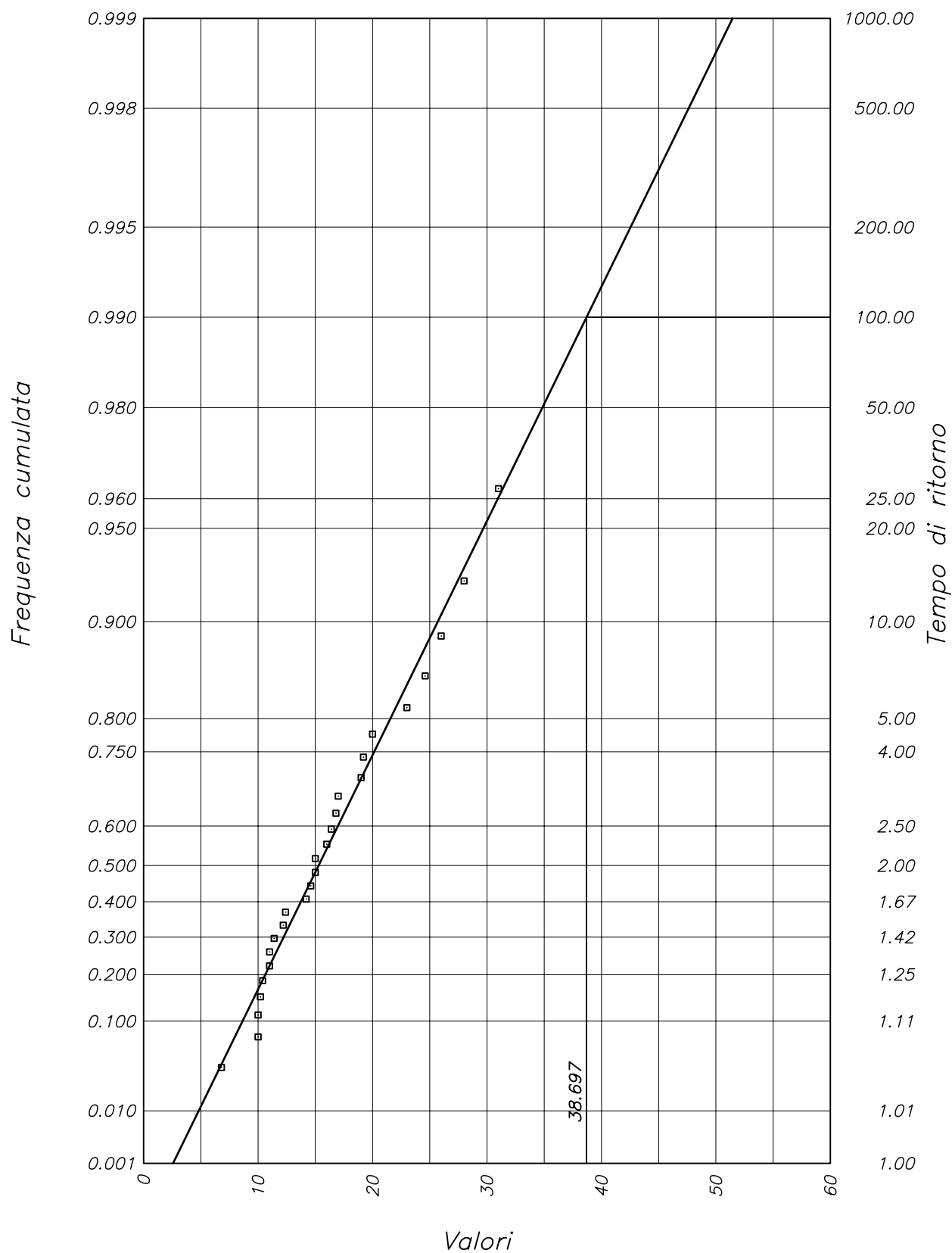
PLUVIOGRAFO DI BUSSOLENO

Tempo di ritorno di anni 100

Valori sperimentali

t	h
1	38.697
3	65.774
6	82.641
12	113.369
24	167.830
a =	38.6156
n =	0.4492

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 100 ANNI VALORE 38.697
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 1 ora



$$fc = \exp(-\exp(-\alpha(x-u)))$$

alfa= 0.18083

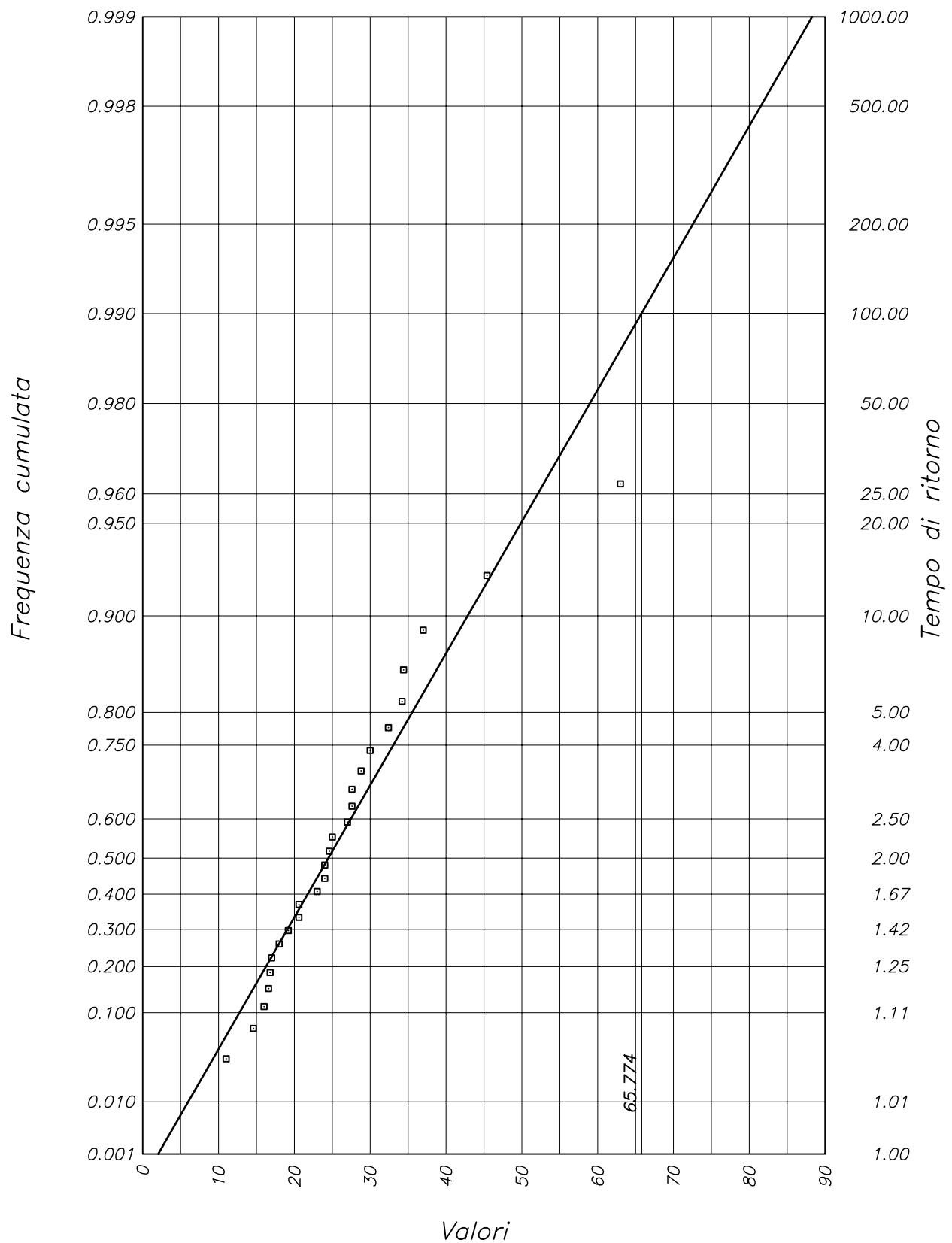
u= 13.25763

Valore sperimentale

Funzione di regressione

□

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 100 ANNI VALORE 65.774
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 3 ore



$$fc = \exp(-\exp(-\alpha(x-u)))$$

alfa= 0.10252

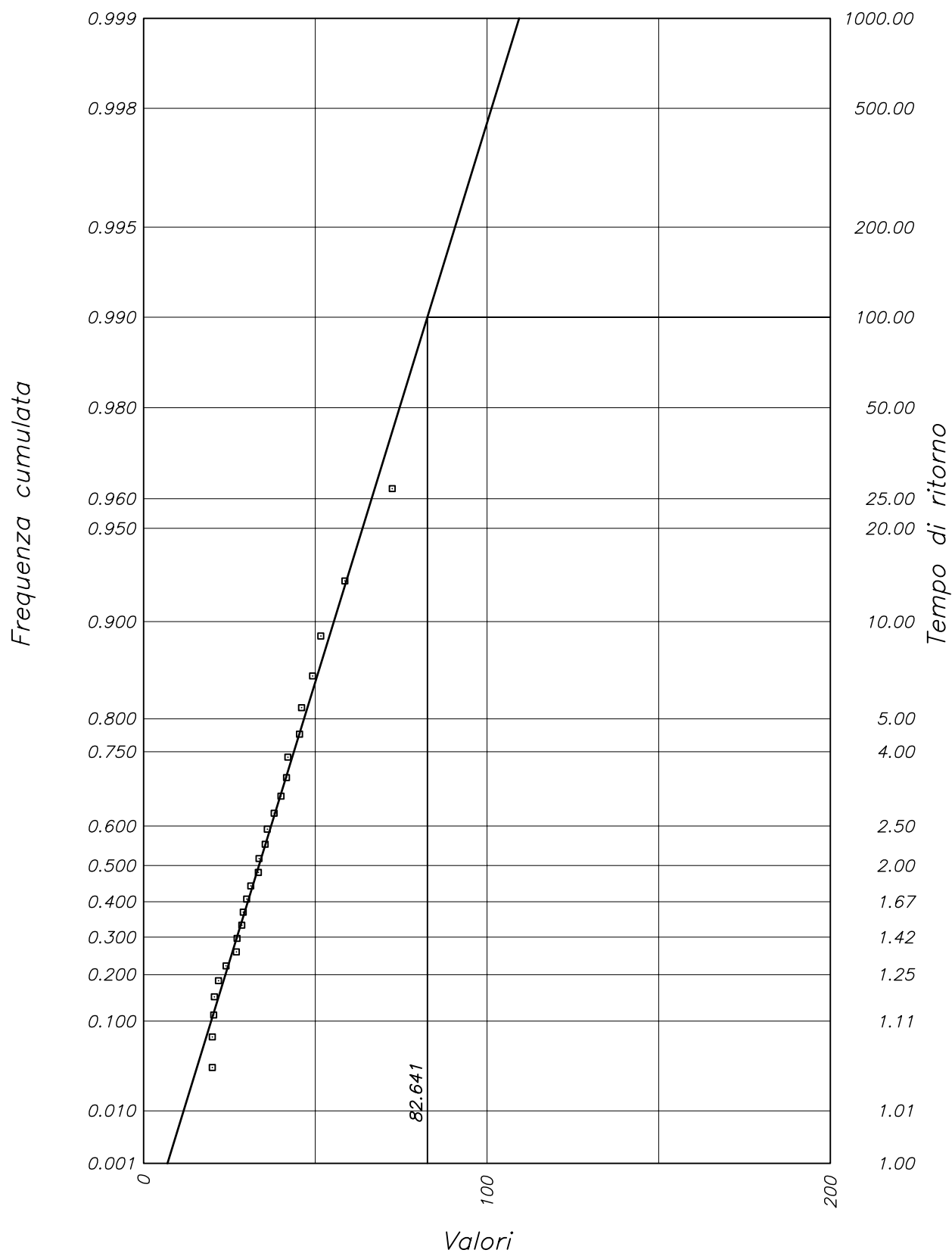
u= 20.90235

Valore sperimentale

Funzione di regressione

□

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 100 ANNI VALORE 82.641
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 6 ore



$$f_c = \exp(-\exp(-\alpha(x-u)))$$

$\alpha = 0.08630$

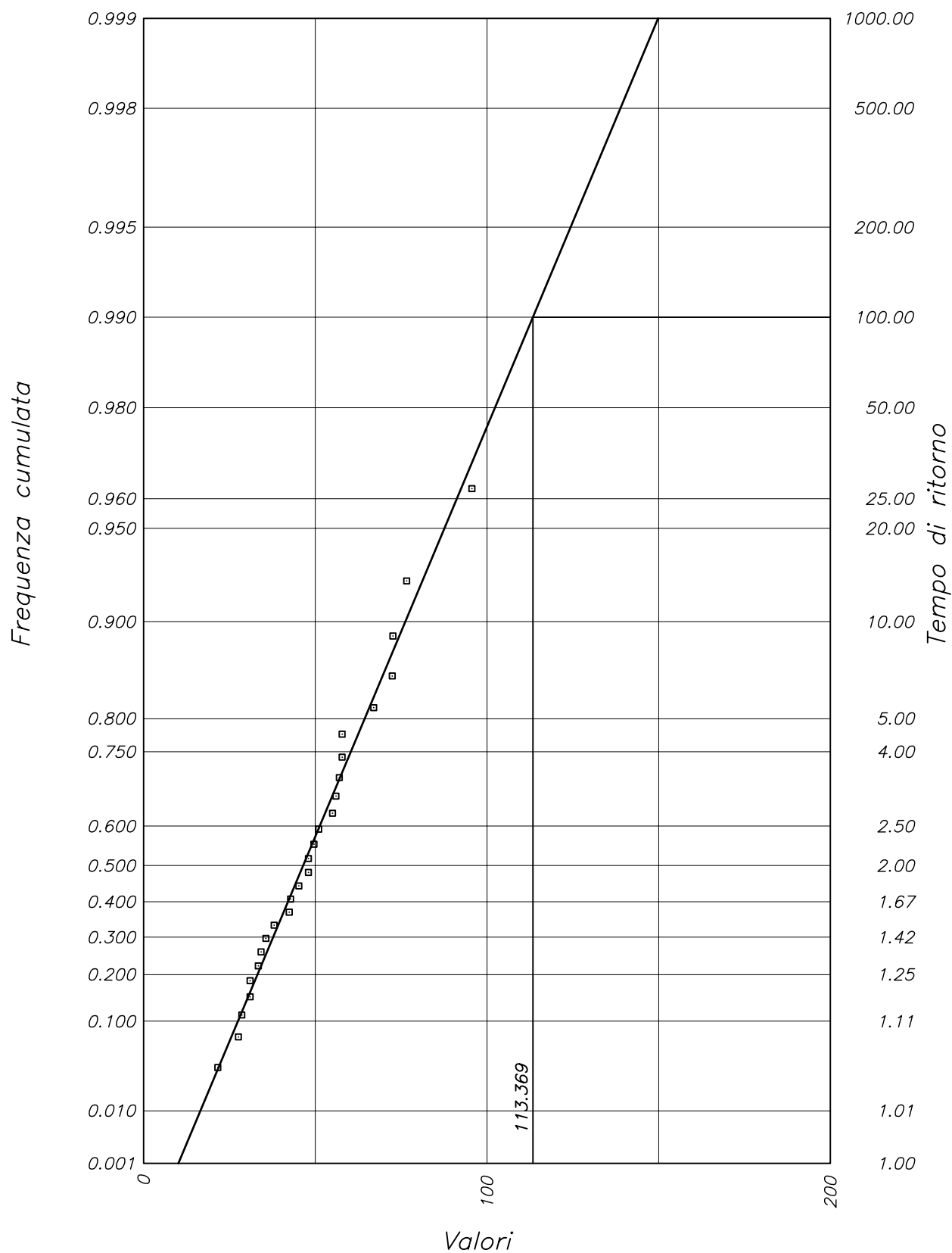
$u = 29.33446$

Valore sperimentale

Funzione di regressione

□

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 100 ANNI VALORE 113.369
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 12 ore



$$fc = \exp(-\exp(-\alpha(x-u)))$$

$\alpha = 0.06327$

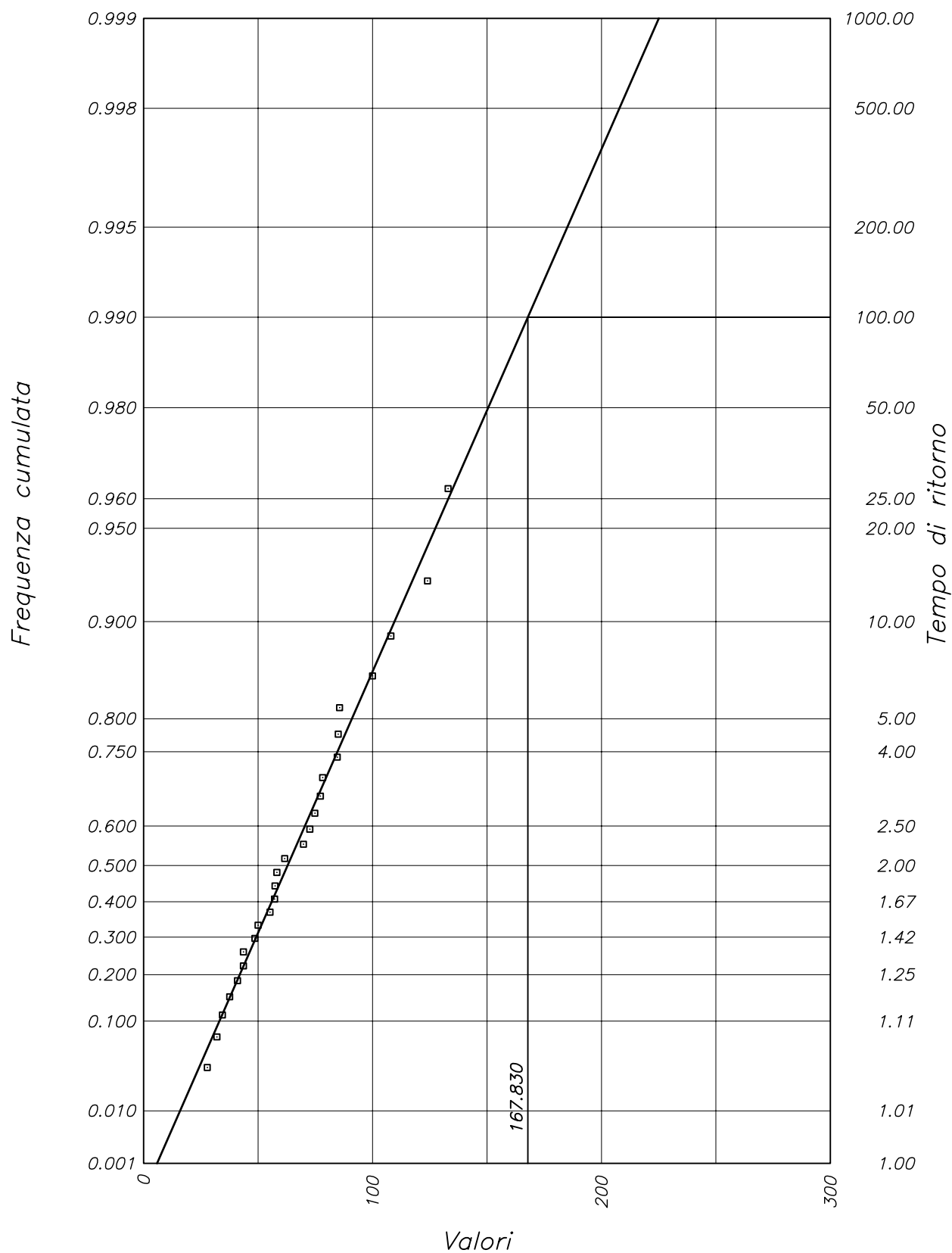
$u = 40.65955$

Valore sperimentale

Funzione di regressione

□

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 100 ANNI VALORE 167.830
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 24 ore



$$fc = \exp(-\exp(-\alpha(x-u)))$$

alfa= 0.04033

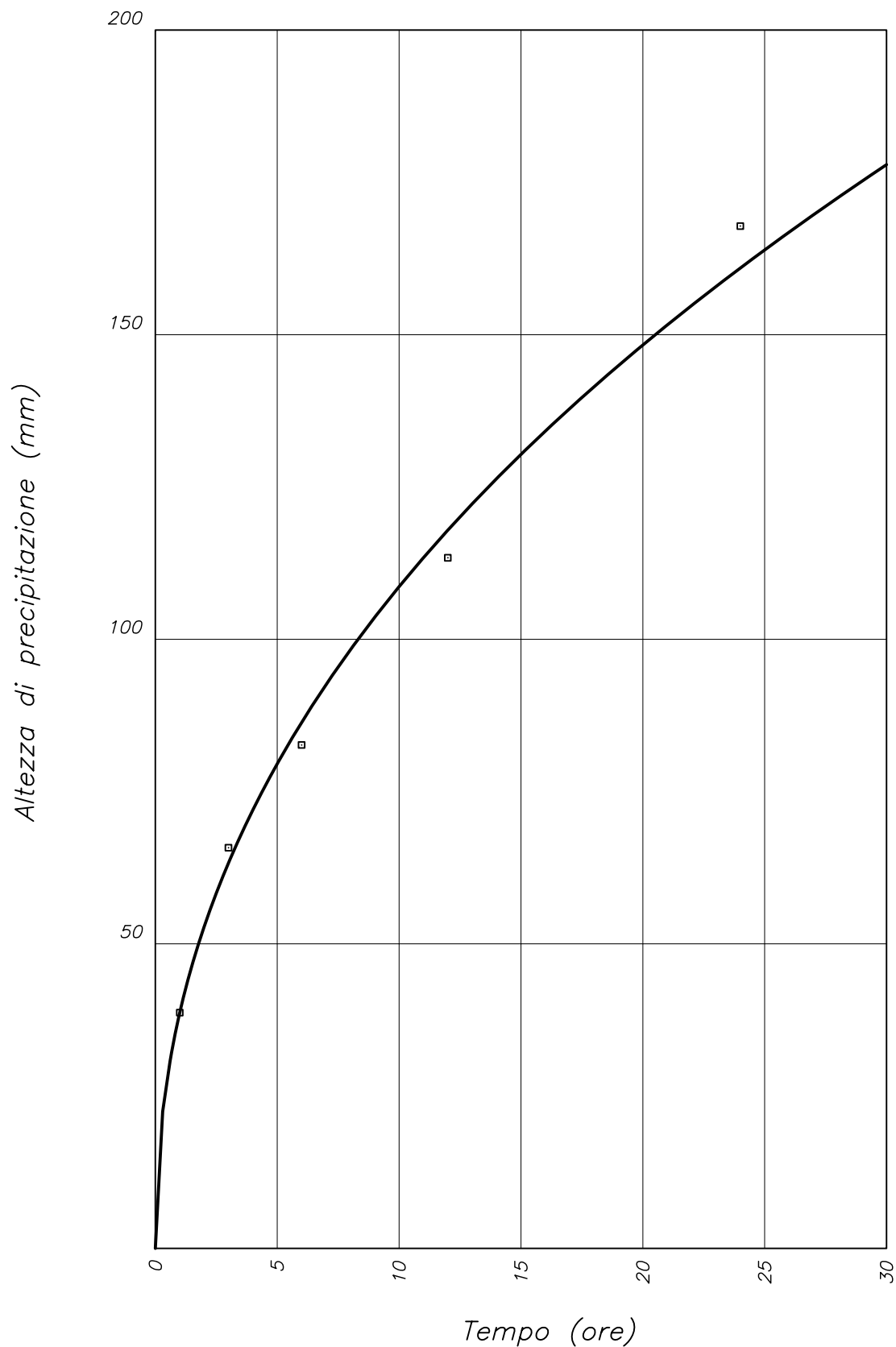
u= 53.76897

Valore sperimentale

Funzione di regressione

□

PLUVIOGRAFO DI BUSSOLENO
 TEMPO DI RITORNO 100 ANNI
 CURVA DI MASSIMA POSSIBILITA' CLIMATICA



$$h = a \cdot t^{**n}$$

$a = 38.61562$

$n = 0.44916$

Valore sperimentale

Funzione di regressione

□

Allegato 4 – Analisi idrologica con tempo di ritorno 200 anni

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 1 ora

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
 α 0.1808
 u 13.2576

Tempo di ritorno 200 anni 42.5442

n.	valore	freq. cumul.	y_s	y	funz. probab.	segno
1	6.800	0.03704	-1.19266	-1.16772	0.04017	+
2	10.000	0.07407	-0.95655	-0.58907	0.16492	+
3	10.000	0.11111	-0.78720	-0.58907	0.16492	+
4	10.200	0.14815	-0.64686	-0.55290	0.17582	+
5	10.400	0.18519	-0.52260	-0.51674	0.18702	+
6	11.000	0.22222	-0.40818	-0.40824	0.22220	-
7	11.000	0.25926	-0.30005	-0.40824	0.22220	-
8	11.400	0.29630	-0.19589	-0.33591	0.24679	-
9	12.200	0.33333	-0.09405	-0.19125	0.29797	-
10	12.400	0.37037	0.00677	-0.15508	0.31106	-
11	14.200	0.40741	0.10765	0.17041	0.43028	+
12	14.600	0.44444	0.20957	0.24274	0.45636	+
13	15.000	0.48148	0.31350	0.31507	0.48204	+
14	15.000	0.51852	0.42041	0.31507	0.48204	-
15	16.000	0.55556	0.53139	0.49590	0.54388	-
16	16.400	0.59259	0.64770	0.56823	0.56749	-
17	16.800	0.62963	0.77084	0.64056	0.59037	-
18	17.000	0.66667	0.90272	0.67672	0.60153	-
19	19.000	0.70370	1.04584	1.03838	0.70186	-
20	19.200	0.74074	1.20362	1.07454	0.71074	-
21	20.000	0.77778	1.38105	1.21921	0.74419	-
22	23.000	0.81481	1.58575	1.76169	0.84219	+
23	24.600	0.85185	1.83044	2.05101	0.87932	+
24	26.000	0.88889	2.13891	2.30417	0.90498	+
25	28.000	0.92593	2.56446	2.66583	0.93282	+
26	31.000	0.96296	3.27703	3.20831	0.96038	-

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 3 ore

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
 α 0.1025
 u 20.9024

Tempo di ritorno 200 anni 72.5599

n.	valore	freq. cumul.	y_s	y	funz. probab.	segno
1	11.000	0.03704	-1.19266	-1.01517	0.06330	+
2	14.600	0.07407	-0.95655	-0.64610	0.14836	+
3	16.000	0.11111	-0.78720	-0.50258	0.19148	+
4	16.600	0.14815	-0.64686	-0.44107	0.21132	+
5	16.800	0.18519	-0.52260	-0.42056	0.21810	+
6	17.000	0.22222	-0.40818	-0.40006	0.22494	+
7	18.000	0.25926	-0.30005	-0.29754	0.26014	+
8	19.200	0.29630	-0.19589	-0.17452	0.30402	+
9	20.600	0.33333	-0.09405	-0.03100	0.35648	+
10	20.600	0.37037	0.00677	-0.03100	0.35648	-
11	23.000	0.40741	0.10765	0.21505	0.44642	+
12	24.000	0.44444	0.20957	0.31756	0.48291	+
13	24.000	0.48148	0.31350	0.31756	0.48291	+
14	24.600	0.51852	0.42041	0.37907	0.50434	-

15	25.000	0.55556	0.53139	0.42008	0.51841	-
16	27.000	0.59259	0.64770	0.62512	0.58555	-
17	27.600	0.62963	0.77084	0.68663	0.60455	-
18	27.600	0.66667	0.90272	0.68663	0.60455	-
19	28.800	0.70370	1.04584	0.80965	0.64081	-
20	30.000	0.74074	1.20362	0.93267	0.67469	-
21	32.400	0.77778	1.38105	1.17871	0.73515	-
22	34.200	0.81481	1.58575	1.36324	0.77427	-
23	34.400	0.85185	1.83044	1.38375	0.77830	-
24	37.000	0.88889	2.13891	1.65029	0.82531	-
25	45.400	0.92593	2.56446	2.51144	0.92205	-
26	63.000	0.96296	3.27703	4.31575	0.98673	+

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 6 ore

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
alfa 0.0863
u 29.3345

Tempo di ritorno 200 anni 90.7024

n.	valore	freq. cumul.	ys	y	funz. probab.	segno
1	20.000	0.03704	-1.19266	-0.80553	0.10668	+
2	20.000	0.07407	-0.95655	-0.80553	0.10668	+
3	20.400	0.11111	-0.78720	-0.77101	0.11510	+
4	20.600	0.14815	-0.64686	-0.75375	0.11944	-
5	21.800	0.18519	-0.52260	-0.65019	0.14721	-
6	24.000	0.22222	-0.40818	-0.46034	0.20503	-
7	27.000	0.25926	-0.30005	-0.20145	0.29429	+
8	27.200	0.29630	-0.19589	-0.18420	0.30052	+
9	28.600	0.33333	-0.09405	-0.06338	0.34458	+
10	29.000	0.37037	0.00677	-0.02886	0.35726	-
11	30.000	0.40741	0.10765	0.05743	0.38900	-
12	31.200	0.44444	0.20957	0.16099	0.42686	-
13	33.400	0.48148	0.31350	0.35084	0.49456	+
14	33.600	0.51852	0.42041	0.36810	0.50055	-
15	35.400	0.55556	0.53139	0.52343	0.55295	-
16	36.000	0.59259	0.64770	0.57521	0.56973	-
17	38.000	0.62963	0.77084	0.74780	0.62288	-
18	40.000	0.66667	0.90272	0.92039	0.67142	+
19	41.600	0.70370	1.04584	1.05847	0.70681	+
20	42.000	0.74074	1.20362	1.09299	0.71519	-
21	45.400	0.77778	1.38105	1.38639	0.77882	+
22	46.000	0.81481	1.58575	1.43817	0.78871	-
23	49.200	0.85185	1.83044	1.71432	0.83520	-
24	51.600	0.88889	2.13891	1.92143	0.86381	-
25	58.600	0.92593	2.56446	2.52550	0.92310	-
26	72.400	0.96296	3.27703	3.71639	0.97597	+

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 12 ore

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
alfa 0.0633
u 40.6595

Tempo di ritorno 200 anni 124.3643

n.	valore	freq. cumul.	ys	y	funz. probab.	segno
1	21.600	0.03704	-1.19266	-1.20586	0.03545	-
2	27.600	0.07407	-0.95655	-0.82625	0.10180	+
3	28.600	0.11111	-0.78720	-0.76298	0.11711	+
4	31.000	0.14815	-0.64686	-0.61114	0.15842	+
5	31.000	0.18519	-0.52260	-0.61114	0.15842	-
6	33.400	0.22222	-0.40818	-0.45930	0.20537	-
7	34.200	0.25926	-0.30005	-0.40868	0.22205	-
8	35.600	0.29630	-0.19589	-0.32011	0.25227	-
9	38.000	0.33333	-0.09405	-0.16826	0.30628	-

10	42.400	0.37037	0.00677	0.11011	0.40831	+
11	42.800	0.40741	0.10765	0.13542	0.41755	+
12	45.200	0.44444	0.20957	0.28726	0.47222	+
13	48.000	0.48148	0.31350	0.46441	0.53339	+
14	48.000	0.51852	0.42041	0.46441	0.53339	+
15	49.600	0.55556	0.53139	0.56564	0.56666	+
16	51.000	0.59259	0.64770	0.65422	0.59461	+
17	55.000	0.62963	0.77084	0.90729	0.66790	+
18	56.000	0.66667	0.90272	0.97056	0.68463	+
19	57.000	0.70370	1.04584	1.03382	0.70072	-
20	57.800	0.74074	1.20362	1.08444	0.71313	-
21	57.800	0.77778	1.38105	1.08444	0.71313	-
22	67.000	0.81481	1.58575	1.66650	0.82786	+
23	72.400	0.85185	1.83044	2.00815	0.87438	+
24	72.600	0.88889	2.13891	2.02080	0.87586	-
25	76.600	0.92593	2.56446	2.27387	0.90221	-
26	95.600	0.96296	3.27703	3.47596	0.96954	+

PLUVIOGRAFO DI BUSSOLENO

Evento di pioggia con durata 24 ore

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
alfa 0.0403
u 53.7690

Tempo di ritorno 200 anni 185.0796

n.	valore	freq. cumul.	ys	y	funz. probab.	segno
1	27.800	0.03704	-1.19266	-1.04734	0.05784	+
2	32.000	0.07407	-0.95655	-0.87795	0.09018	+
3	34.400	0.11111	-0.78720	-0.78116	0.11259	+
4	37.600	0.14815	-0.64686	-0.65210	0.14667	-
5	41.000	0.18519	-0.52260	-0.51498	0.18757	+
6	43.600	0.22222	-0.40818	-0.41012	0.22157	-
7	43.600	0.25926	-0.30005	-0.41012	0.22157	-
8	48.600	0.29630	-0.19589	-0.20847	0.29177	-
9	50.000	0.33333	-0.09405	-0.15200	0.31218	-
10	55.200	0.37037	0.00677	0.05771	0.38910	+
11	57.200	0.40741	0.10765	0.13837	0.41863	+
12	57.400	0.44444	0.20957	0.14644	0.42157	-
13	58.200	0.48148	0.31350	0.17871	0.43329	-
14	61.600	0.51852	0.42041	0.31583	0.48230	-
15	69.800	0.55556	0.53139	0.64654	0.59223	+
16	72.600	0.59259	0.64770	0.75946	0.62631	+
17	74.800	0.62963	0.77084	0.84819	0.65169	+
18	77.200	0.66667	0.90272	0.94498	0.67795	+
19	78.200	0.70370	1.04584	0.98531	0.68844	-
20	84.600	0.74074	1.20362	1.24343	0.74947	+
21	85.000	0.77778	1.38105	1.25956	0.75293	-
22	85.600	0.81481	1.58575	1.28376	0.75806	-
23	100.000	0.85185	1.83044	1.86452	0.85644	+
24	108.000	0.88889	2.13891	2.18716	0.89383	+
25	124.000	0.92593	2.56446	2.83245	0.94283	+
26	133.000	0.96296	3.27703	3.19542	0.95988	-

PLUVIOGRAFO DI BUSSOLENO

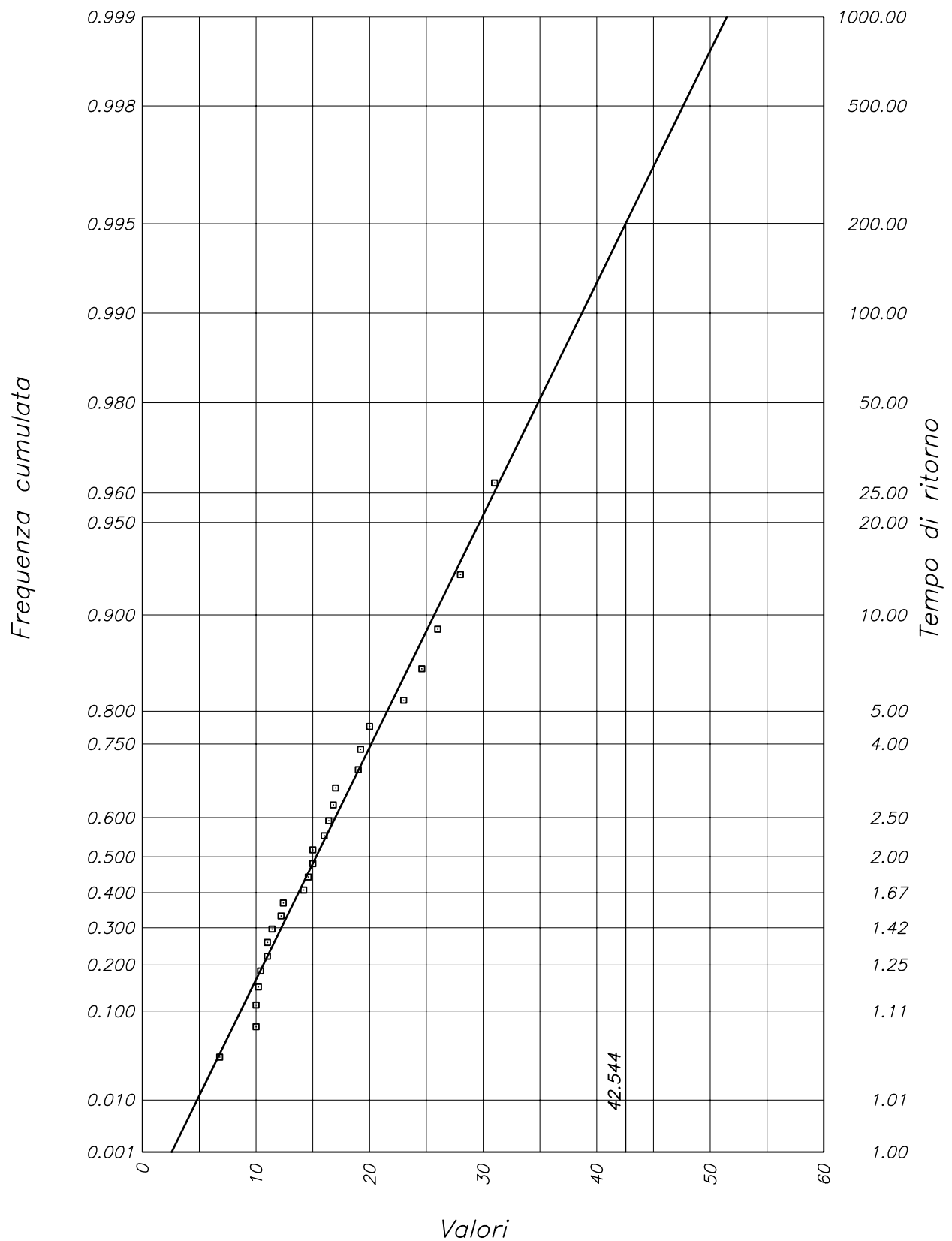
Tempo di ritorno di anni 200

Valori sperimentali

t	h
1	42.544
3	72.560
6	90.702
12	124.364
24	185.080

a = 42.4697
n = 0.4492

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 200 ANNI VALORE 42.544
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 1 ora



$$fc = \exp(-\exp(-\alpha(x-u)))$$

alfa= 0.18083

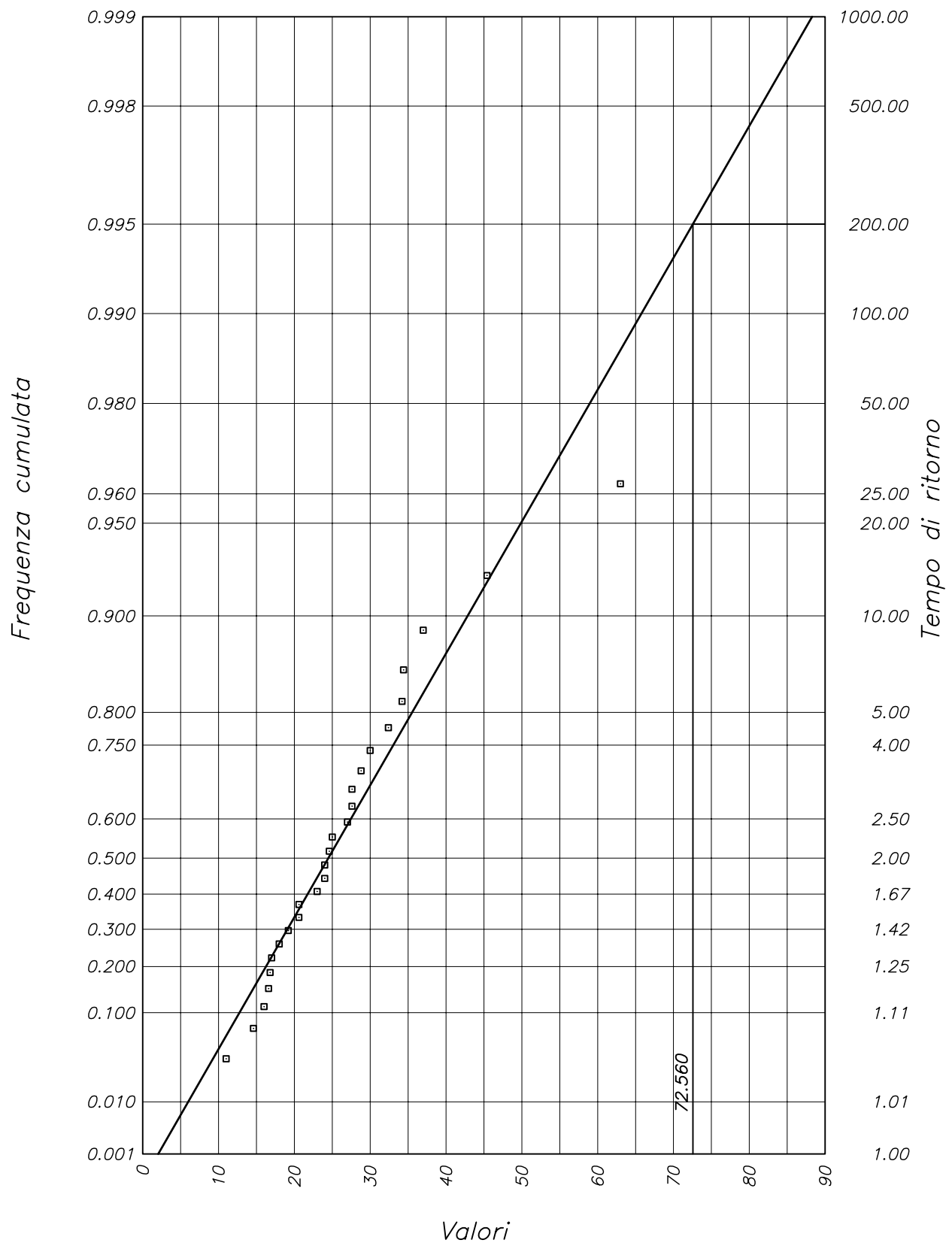
u= 13.25763

Valore sperimentale

Funzione di regressione

□

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 200 ANNI VALORE 72.560
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 3 ore



$$fc = \exp(-\exp(-\alpha(x-u)))$$

$\alpha = 0.10252$

$u = 20.90235$

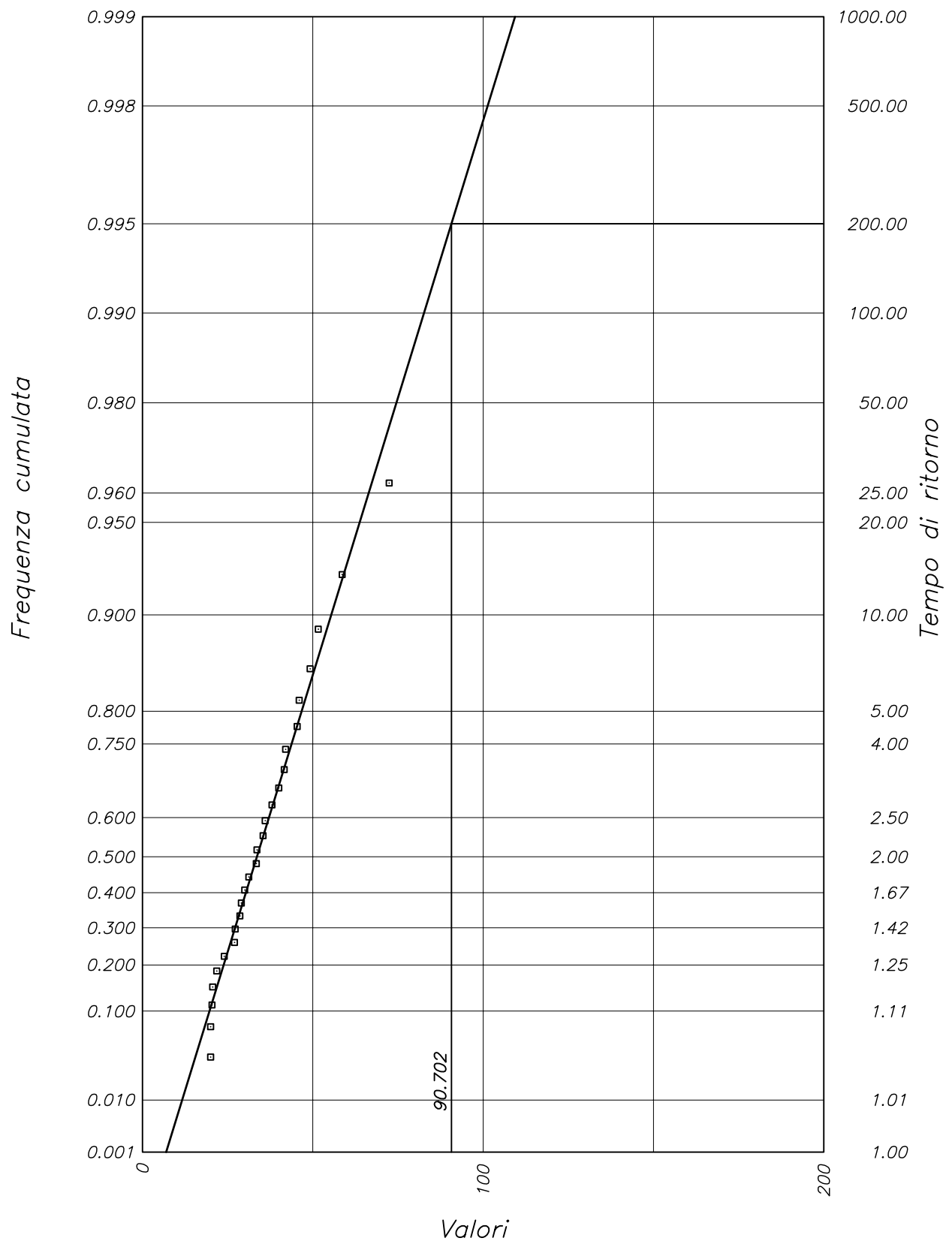
Valore sperimentale

Funzione di regressione

□

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CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 200 ANNI VALORE 90.702
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 6 ore



$$f_c = \exp(-\exp(-\alpha(x-u)))$$

$\alpha = 0.08630$

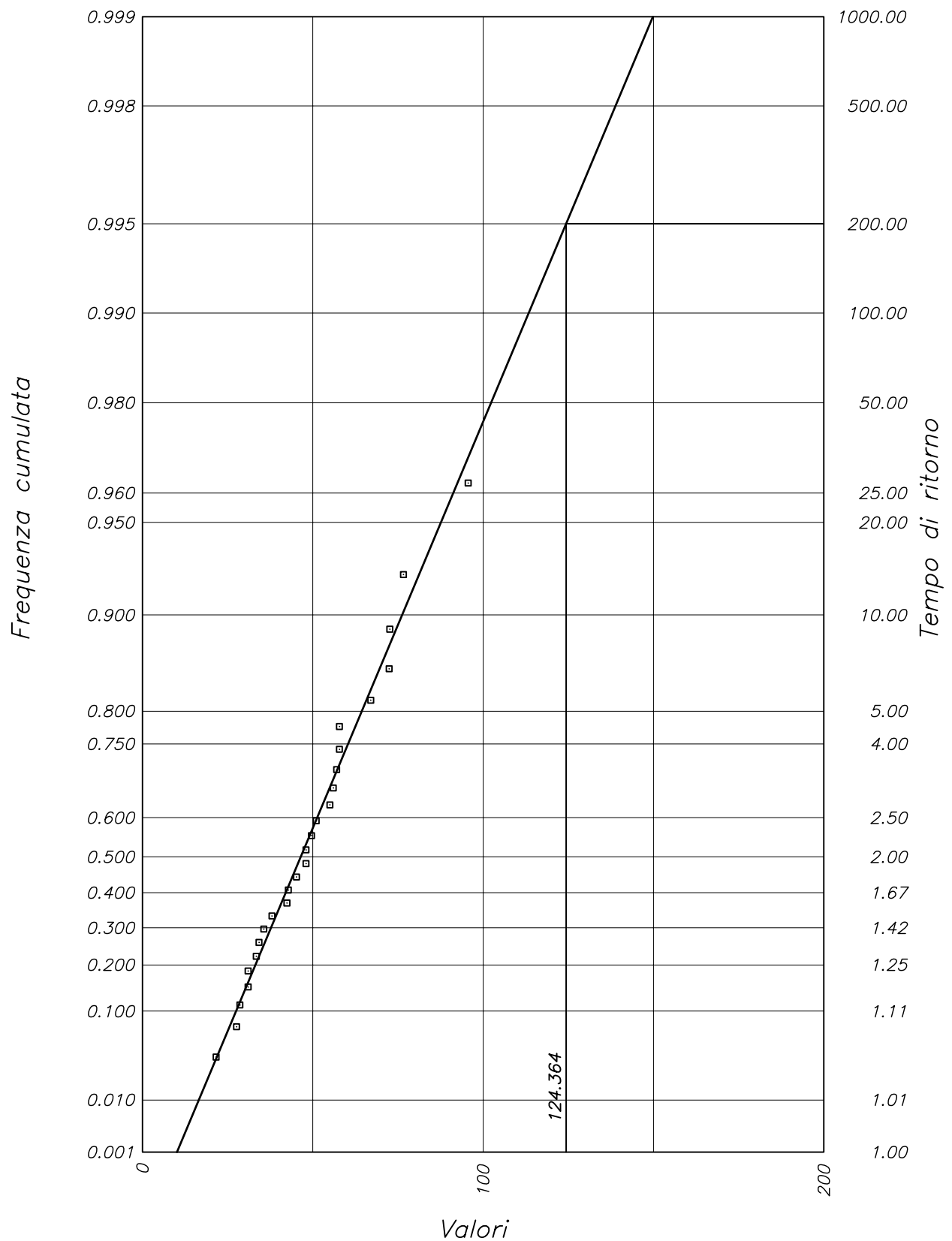
$u = 29.33446$

Valore sperimentale

Funzione di regressione

□

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 200 ANNI VALORE 124.364
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 12 ore



$$f_c = \exp(-\exp(-\alpha(x-u)))$$

$\alpha = 0.06327$

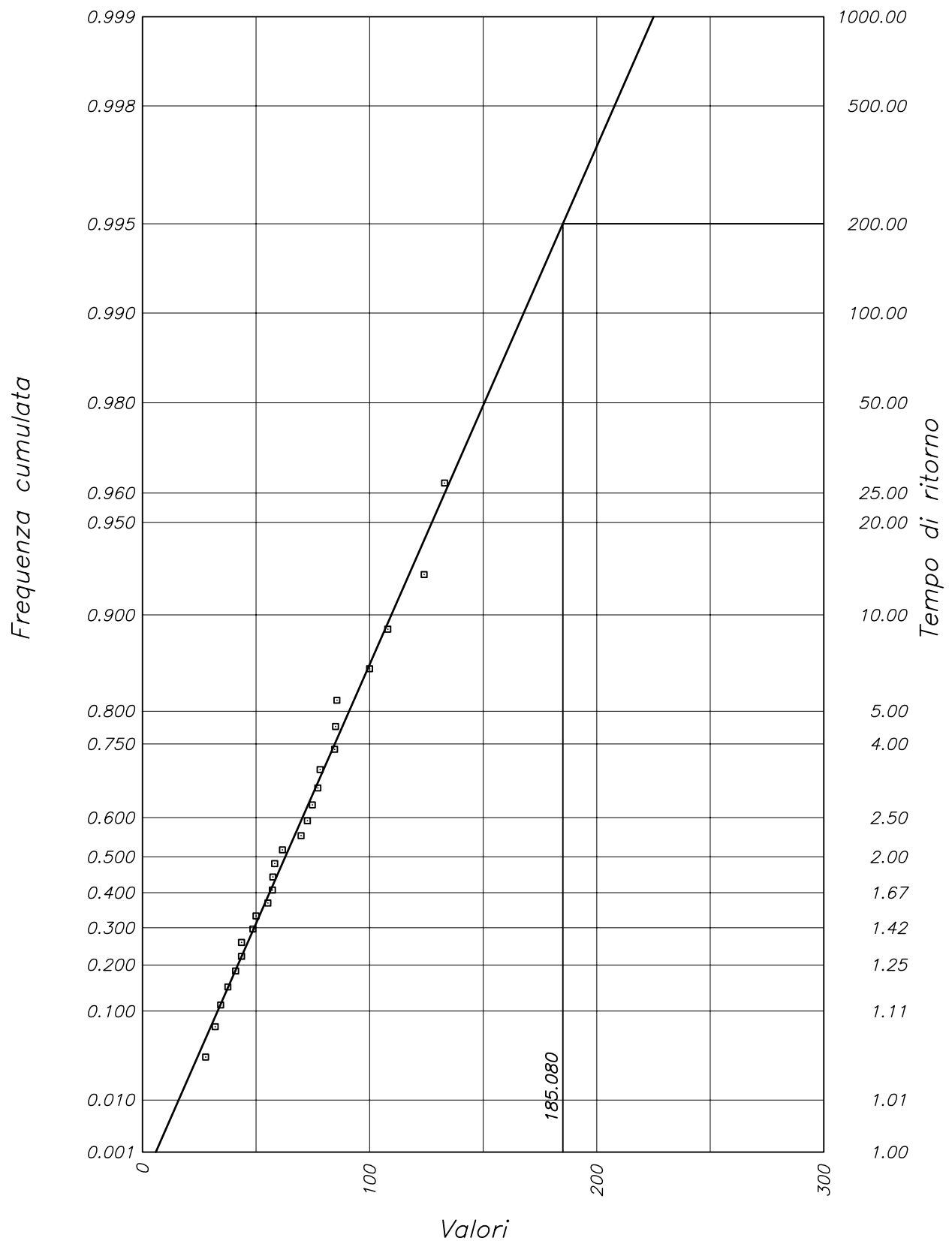
$u = 40.65955$

Valore sperimentale

Funzione di regressione

□

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 200 ANNI VALORE 185.080
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 24 ore



$$fc = \exp(-\exp(-\alpha(x-u)))$$

alfa= 0.04033

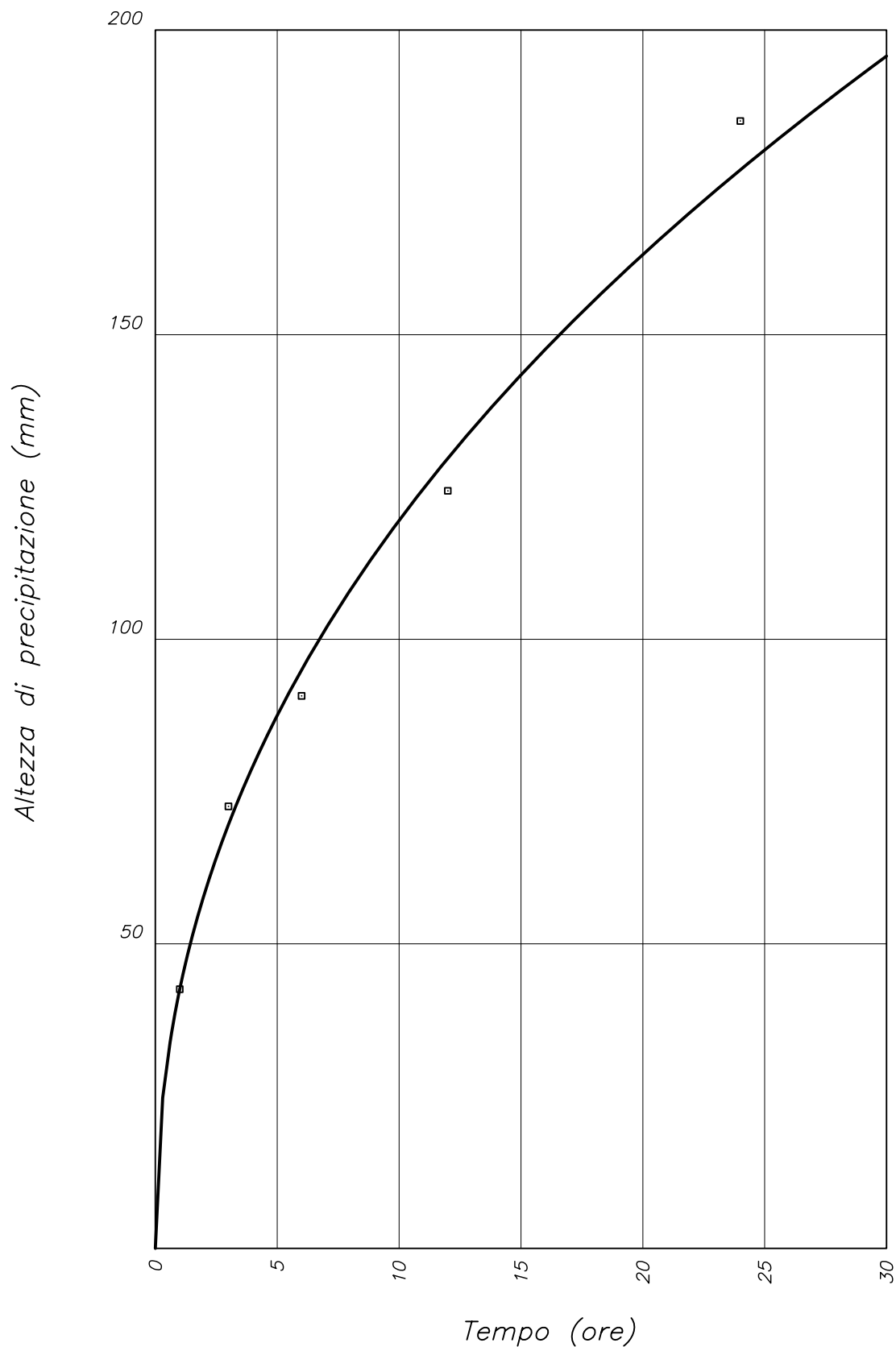
u= 53.76897

Valore sperimentale

Funzione di regressione

□

PLUVIOGRAFO DI BUSSOLENO
 TEMPO DI RITORNO 200 ANNI
 CURVA DI MASSIMA POSSIBILITA' CLIMATICA



$$h = a \cdot t^{**n}$$

$a = 42.46968$

$n = 0.44925$

Valore sperimentale

Funzione di regressione

□

Allegato 5 – Analisi idrologica con tempo di ritorno 500 anni

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 1 ora

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
 α 0.1808
 u 13.2576

Tempo di ritorno 500 anni 47.6198

n.	valore	freq. cumul.	y_s	y	funz. probab.	segno
1	6.800	0.03704	-1.19266	-1.16772	0.04017	+
2	10.000	0.07407	-0.95655	-0.58907	0.16492	+
3	10.000	0.11111	-0.78720	-0.58907	0.16492	+
4	10.200	0.14815	-0.64686	-0.55290	0.17582	+
5	10.400	0.18519	-0.52260	-0.51674	0.18702	+
6	11.000	0.22222	-0.40818	-0.40824	0.22220	-
7	11.000	0.25926	-0.30005	-0.40824	0.22220	-
8	11.400	0.29630	-0.19589	-0.33591	0.24679	-
9	12.200	0.33333	-0.09405	-0.19125	0.29797	-
10	12.400	0.37037	0.00677	-0.15508	0.31106	-
11	14.200	0.40741	0.10765	0.17041	0.43028	+
12	14.600	0.44444	0.20957	0.24274	0.45636	+
13	15.000	0.48148	0.31350	0.31507	0.48204	+
14	15.000	0.51852	0.42041	0.31507	0.48204	-
15	16.000	0.55556	0.53139	0.49590	0.54388	-
16	16.400	0.59259	0.64770	0.56823	0.56749	-
17	16.800	0.62963	0.77084	0.64056	0.59037	-
18	17.000	0.66667	0.90272	0.67672	0.60153	-
19	19.000	0.70370	1.04584	1.03838	0.70186	-
20	19.200	0.74074	1.20362	1.07454	0.71074	-
21	20.000	0.77778	1.38105	1.21921	0.74419	-
22	23.000	0.81481	1.58575	1.76169	0.84219	+
23	24.600	0.85185	1.83044	2.05101	0.87932	+
24	26.000	0.88889	2.13891	2.30417	0.90498	+
25	28.000	0.92593	2.56446	2.66583	0.93282	+
26	31.000	0.96296	3.27703	3.20831	0.96038	-

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 3 ore

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
 α 0.1025
 u 20.9024

Tempo di ritorno 500 anni 81.5126

n.	valore	freq. cumul.	y_s	y	funz. probab.	segno
1	11.000	0.03704	-1.19266	-1.01517	0.06330	+
2	14.600	0.07407	-0.95655	-0.64610	0.14836	+
3	16.000	0.11111	-0.78720	-0.50258	0.19148	+
4	16.600	0.14815	-0.64686	-0.44107	0.21132	+
5	16.800	0.18519	-0.52260	-0.42056	0.21810	+
6	17.000	0.22222	-0.40818	-0.40006	0.22494	+
7	18.000	0.25926	-0.30005	-0.29754	0.26014	+
8	19.200	0.29630	-0.19589	-0.17452	0.30402	+
9	20.600	0.33333	-0.09405	-0.03100	0.35648	+
10	20.600	0.37037	0.00677	-0.03100	0.35648	-
11	23.000	0.40741	0.10765	0.21505	0.44642	+
12	24.000	0.44444	0.20957	0.31756	0.48291	+
13	24.000	0.48148	0.31350	0.31756	0.48291	+
14	24.600	0.51852	0.42041	0.37907	0.50434	-

15	25.000	0.55556	0.53139	0.42008	0.51841	-
16	27.000	0.59259	0.64770	0.62512	0.58555	-
17	27.600	0.62963	0.77084	0.68663	0.60455	-
18	27.600	0.66667	0.90272	0.68663	0.60455	-
19	28.800	0.70370	1.04584	0.80965	0.64081	-
20	30.000	0.74074	1.20362	0.93267	0.67469	-
21	32.400	0.77778	1.38105	1.17871	0.73515	-
22	34.200	0.81481	1.58575	1.36324	0.77427	-
23	34.400	0.85185	1.83044	1.38375	0.77830	-
24	37.000	0.88889	2.13891	1.65029	0.82531	-
25	45.400	0.92593	2.56446	2.51144	0.92205	-
26	63.000	0.96296	3.27703	4.31575	0.98673	+

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 6 ore

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
alfa 0.0863
u 29.3345

Tempo di ritorno 500 anni 101.3379

n.	valore	freq. cumul.	ys	y	funz. probab.	segno
1	20.000	0.03704	-1.19266	-0.80553	0.10668	+
2	20.000	0.07407	-0.95655	-0.80553	0.10668	+
3	20.400	0.11111	-0.78720	-0.77101	0.11510	+
4	20.600	0.14815	-0.64686	-0.75375	0.11944	-
5	21.800	0.18519	-0.52260	-0.65019	0.14721	-
6	24.000	0.22222	-0.40818	-0.46034	0.20503	-
7	27.000	0.25926	-0.30005	-0.20145	0.29429	+
8	27.200	0.29630	-0.19589	-0.18420	0.30052	+
9	28.600	0.33333	-0.09405	-0.06338	0.34458	+
10	29.000	0.37037	0.00677	-0.02886	0.35726	-
11	30.000	0.40741	0.10765	0.05743	0.38900	-
12	31.200	0.44444	0.20957	0.16099	0.42686	-
13	33.400	0.48148	0.31350	0.35084	0.49456	+
14	33.600	0.51852	0.42041	0.36810	0.50055	-
15	35.400	0.55556	0.53139	0.52343	0.55295	-
16	36.000	0.59259	0.64770	0.57521	0.56973	-
17	38.000	0.62963	0.77084	0.74780	0.62288	-
18	40.000	0.66667	0.90272	0.92039	0.67142	+
19	41.600	0.70370	1.04584	1.05847	0.70681	+
20	42.000	0.74074	1.20362	1.09299	0.71519	-
21	45.400	0.77778	1.38105	1.38639	0.77882	+
22	46.000	0.81481	1.58575	1.43817	0.78871	-
23	49.200	0.85185	1.83044	1.71432	0.83520	-
24	51.600	0.88889	2.13891	1.92143	0.86381	-
25	58.600	0.92593	2.56446	2.52550	0.92310	-
26	72.400	0.96296	3.27703	3.71639	0.97597	+

PLUVIOGRAFO DI BUSSOLENO
Evento di pioggia con durata 12 ore

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
alfa 0.0633
u 40.6595

Tempo di ritorno 500 anni 138.8710

n.	valore	freq. cumul.	ys	y	funz. probab.	segno
1	21.600	0.03704	-1.19266	-1.20586	0.03545	-
2	27.600	0.07407	-0.95655	-0.82625	0.10180	+
3	28.600	0.11111	-0.78720	-0.76298	0.11711	+
4	31.000	0.14815	-0.64686	-0.61114	0.15842	+
5	31.000	0.18519	-0.52260	-0.61114	0.15842	-
6	33.400	0.22222	-0.40818	-0.45930	0.20537	-
7	34.200	0.25926	-0.30005	-0.40868	0.22205	-
8	35.600	0.29630	-0.19589	-0.32011	0.25227	-
9	38.000	0.33333	-0.09405	-0.16826	0.30628	-

10	42.400	0.37037	0.00677	0.11011	0.40831	+
11	42.800	0.40741	0.10765	0.13542	0.41755	+
12	45.200	0.44444	0.20957	0.28726	0.47222	+
13	48.000	0.48148	0.31350	0.46441	0.53339	+
14	48.000	0.51852	0.42041	0.46441	0.53339	+
15	49.600	0.55556	0.53139	0.56564	0.56666	+
16	51.000	0.59259	0.64770	0.65422	0.59461	+
17	55.000	0.62963	0.77084	0.90729	0.66790	+
18	56.000	0.66667	0.90272	0.97056	0.68463	+
19	57.000	0.70370	1.04584	1.03382	0.70072	-
20	57.800	0.74074	1.20362	1.08444	0.71313	-
21	57.800	0.77778	1.38105	1.08444	0.71313	-
22	67.000	0.81481	1.58575	1.66650	0.82786	+
23	72.400	0.85185	1.83044	2.00815	0.87438	+
24	72.600	0.88889	2.13891	2.02080	0.87586	-
25	76.600	0.92593	2.56446	2.27387	0.90221	-
26	95.600	0.96296	3.27703	3.47596	0.96954	+

PLUVIOGRAFO DI BUSSOLENO

Evento di pioggia con durata 24 ore

Regolarizzazione dei dati mediante la legge di Gumbel
(stima dei parametri con il metodo di Gumbel)

Media y sperimentale 0.5321
Scarto quadratico medio 1.1178
alfa 0.0403
u 53.7690

Tempo di ritorno 500 anni 207.8367

n.	valore	freq. cumul.	ys	y	funz. probab.	segno
1	27.800	0.03704	-1.19266	-1.04734	0.05784	+
2	32.000	0.07407	-0.95655	-0.87795	0.09018	+
3	34.400	0.11111	-0.78720	-0.78116	0.11259	+
4	37.600	0.14815	-0.64686	-0.65210	0.14667	-
5	41.000	0.18519	-0.52260	-0.51498	0.18757	+
6	43.600	0.22222	-0.40818	-0.41012	0.22157	-
7	43.600	0.25926	-0.30005	-0.41012	0.22157	-
8	48.600	0.29630	-0.19589	-0.20847	0.29177	-
9	50.000	0.33333	-0.09405	-0.15200	0.31218	-
10	55.200	0.37037	0.00677	0.05771	0.38910	+
11	57.200	0.40741	0.10765	0.13837	0.41863	+
12	57.400	0.44444	0.20957	0.14644	0.42157	-
13	58.200	0.48148	0.31350	0.17871	0.43329	-
14	61.600	0.51852	0.42041	0.31583	0.48230	-
15	69.800	0.55556	0.53139	0.64654	0.59223	+
16	72.600	0.59259	0.64770	0.75946	0.62631	+
17	74.800	0.62963	0.77084	0.84819	0.65169	+
18	77.200	0.66667	0.90272	0.94498	0.67795	+
19	78.200	0.70370	1.04584	0.98531	0.68844	-
20	84.600	0.74074	1.20362	1.24343	0.74947	+
21	85.000	0.77778	1.38105	1.25956	0.75293	-
22	85.600	0.81481	1.58575	1.28376	0.75806	-
23	100.000	0.85185	1.83044	1.86452	0.85644	+
24	108.000	0.88889	2.13891	2.18716	0.89383	+
25	124.000	0.92593	2.56446	2.83245	0.94283	+
26	133.000	0.96296	3.27703	3.19542	0.95988	-

PLUVIOGRAFO DI BUSSOLENO

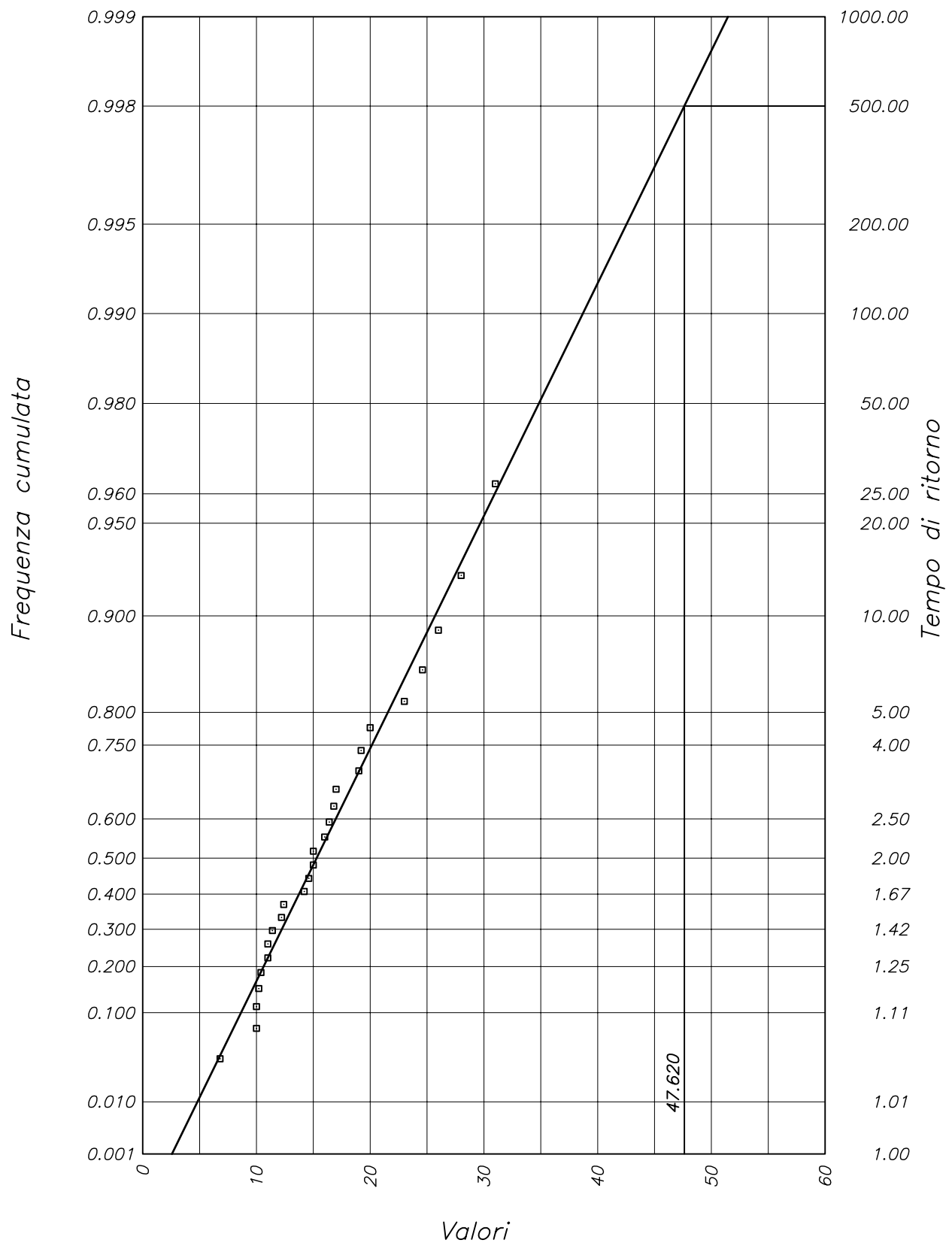
Tempo di ritorno di anni 500

Valori sperimentali

t	h
1	47.620
3	81.513
6	101.338
12	138.871
24	207.837

a = 47.5548
n = 0.4493

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 500 ANNI VALORE 47.620
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 1 ora



$$fc = \exp(-\exp(-\alpha(x-u)))$$

alfa= 0.18083

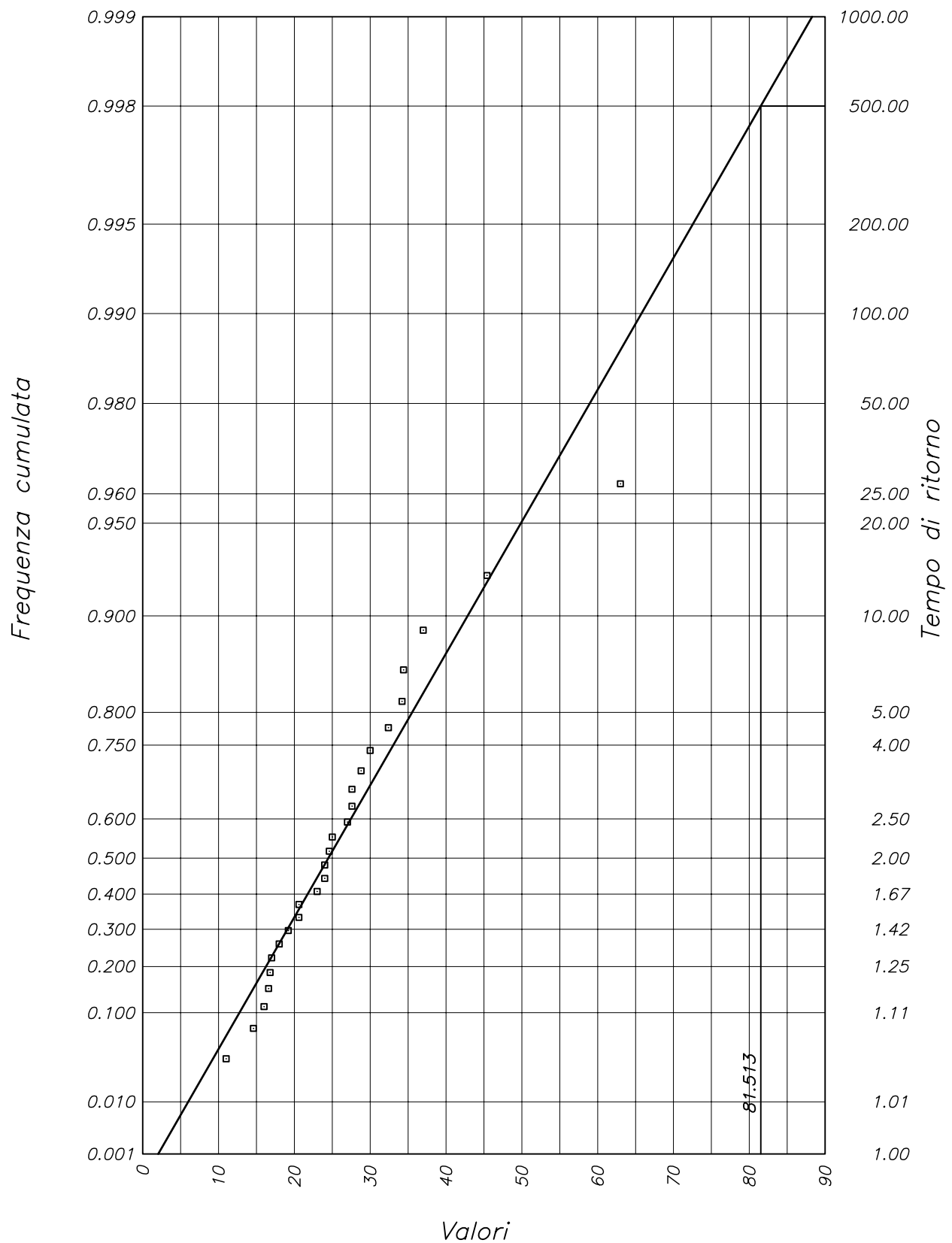
u= 13.25763

Valore sperimentale

Funzione di regressione

□

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 500 ANNI VALORE 81.513
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 3 ore



$$fc = \exp(-\exp(-\alpha(x-u)))$$

$\alpha = 0.10252$

$u = 20.90235$

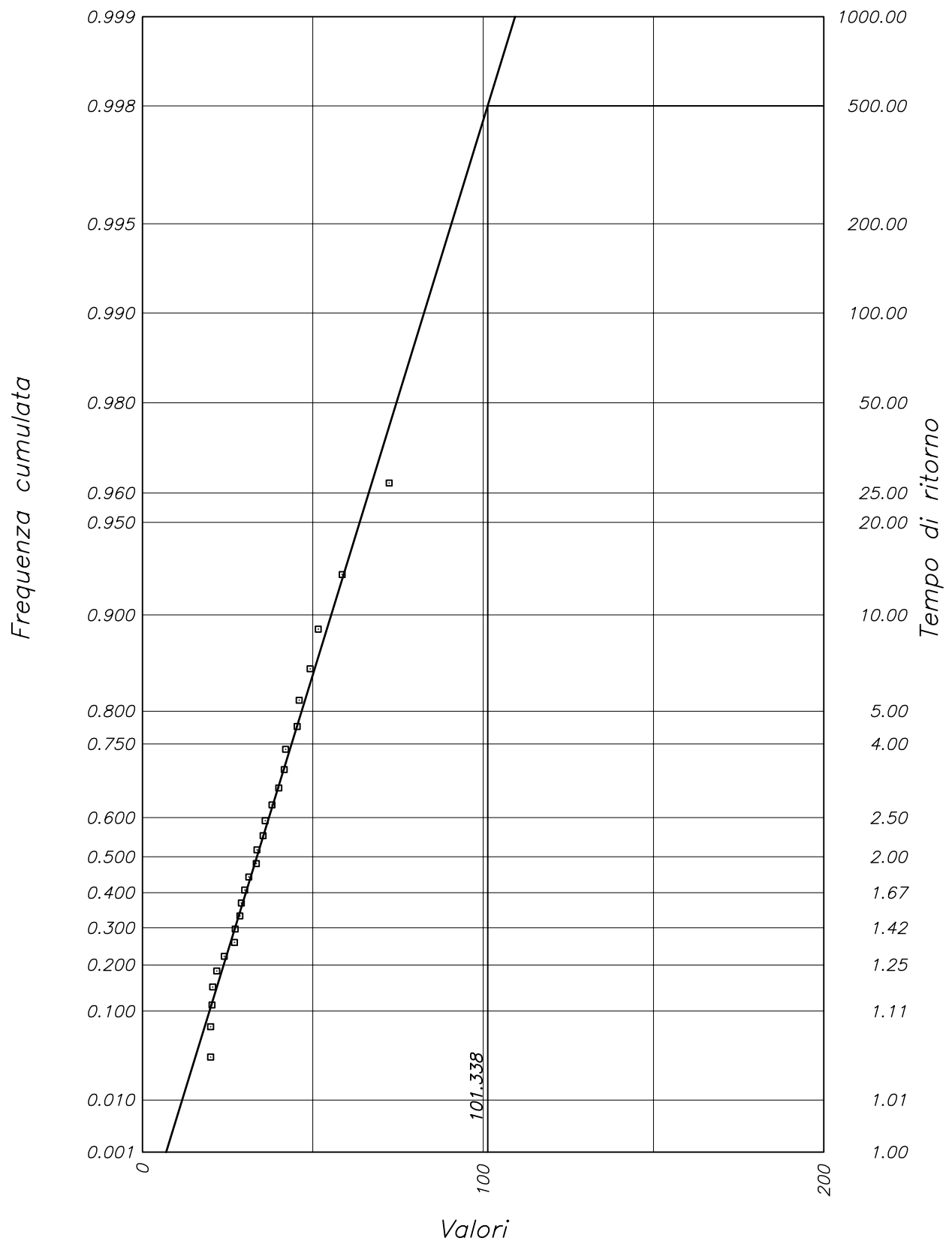
Valore sperimentale

Funzione di regressione

□

—

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 500 ANNI VALORE 101.338
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 6 ore



$$f_c = \exp(-\exp(-\alpha(x-u)))$$

$\alpha = 0.08630$

$u = 29.33446$

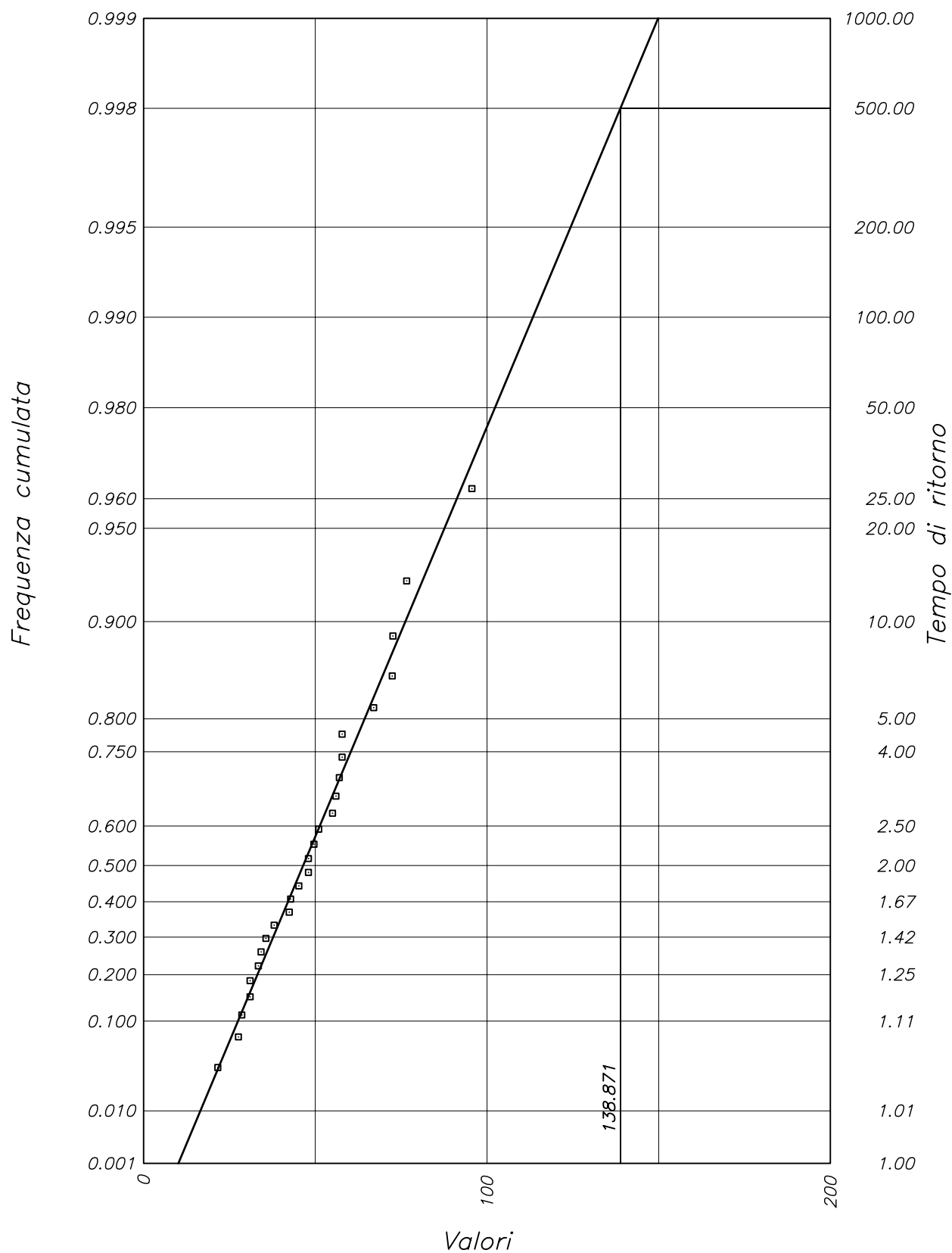
Valore sperimentale

Funzione di regressione

□

—

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 500 ANNI VALORE 138.871
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 12 ore



$$f_c = \exp(-\exp(-\alpha(x-u)))$$

$\alpha = 0.06327$

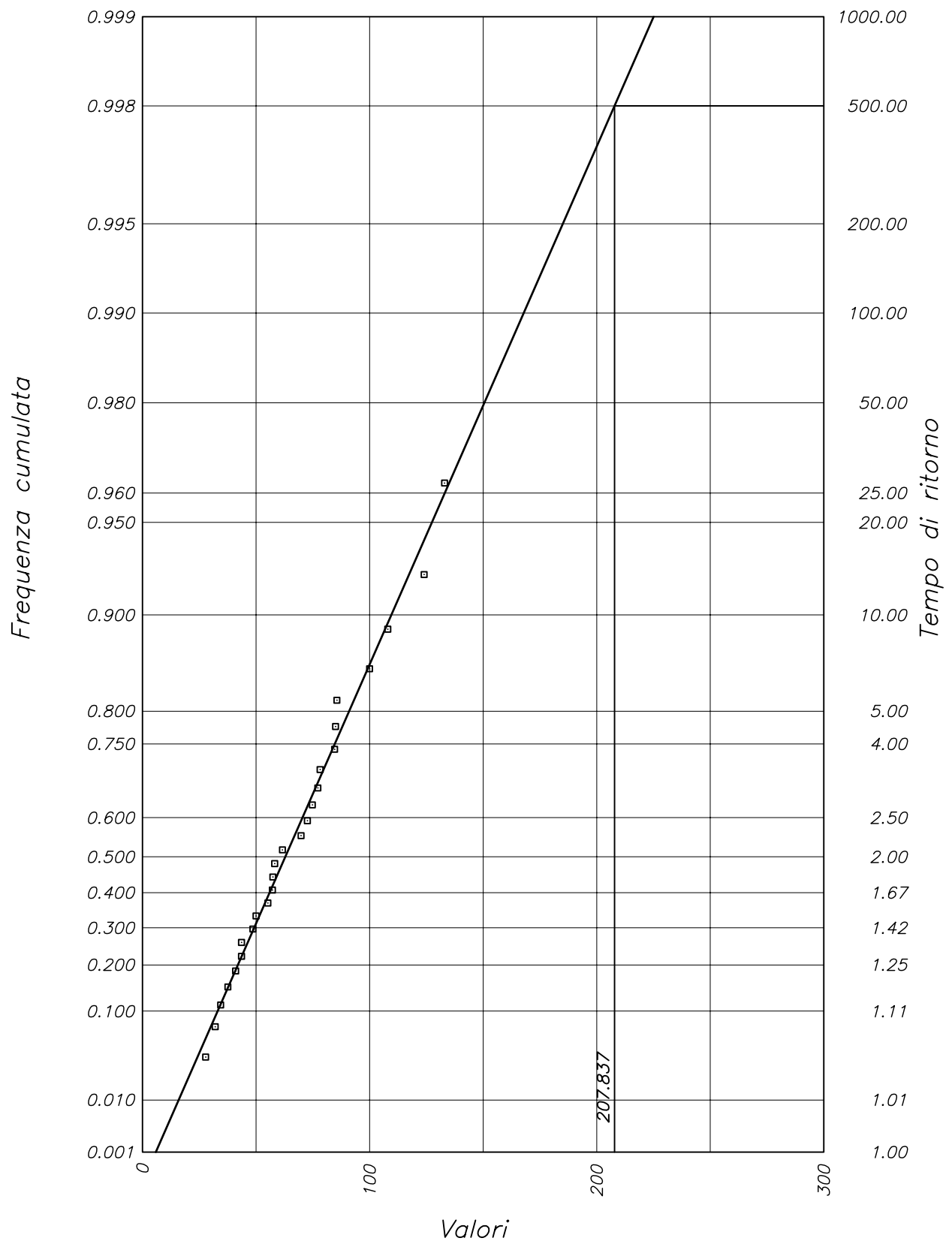
$u = 40.65955$

Valore sperimentale

Funzione di regressione

□

CARTOGRAMMA DELLA DISTRIBUZIONE DI GUMBEL
 TEMPO DI RITORNO 500 ANNI VALORE 207.837
 PLUVIOGRAFO DI BUSSOLENO
 Evento di pioggia con durata 24 ore



$$fc = \exp(-\exp(-\alpha(x-u)))$$

alfa= 0.04033

u= 53.76897

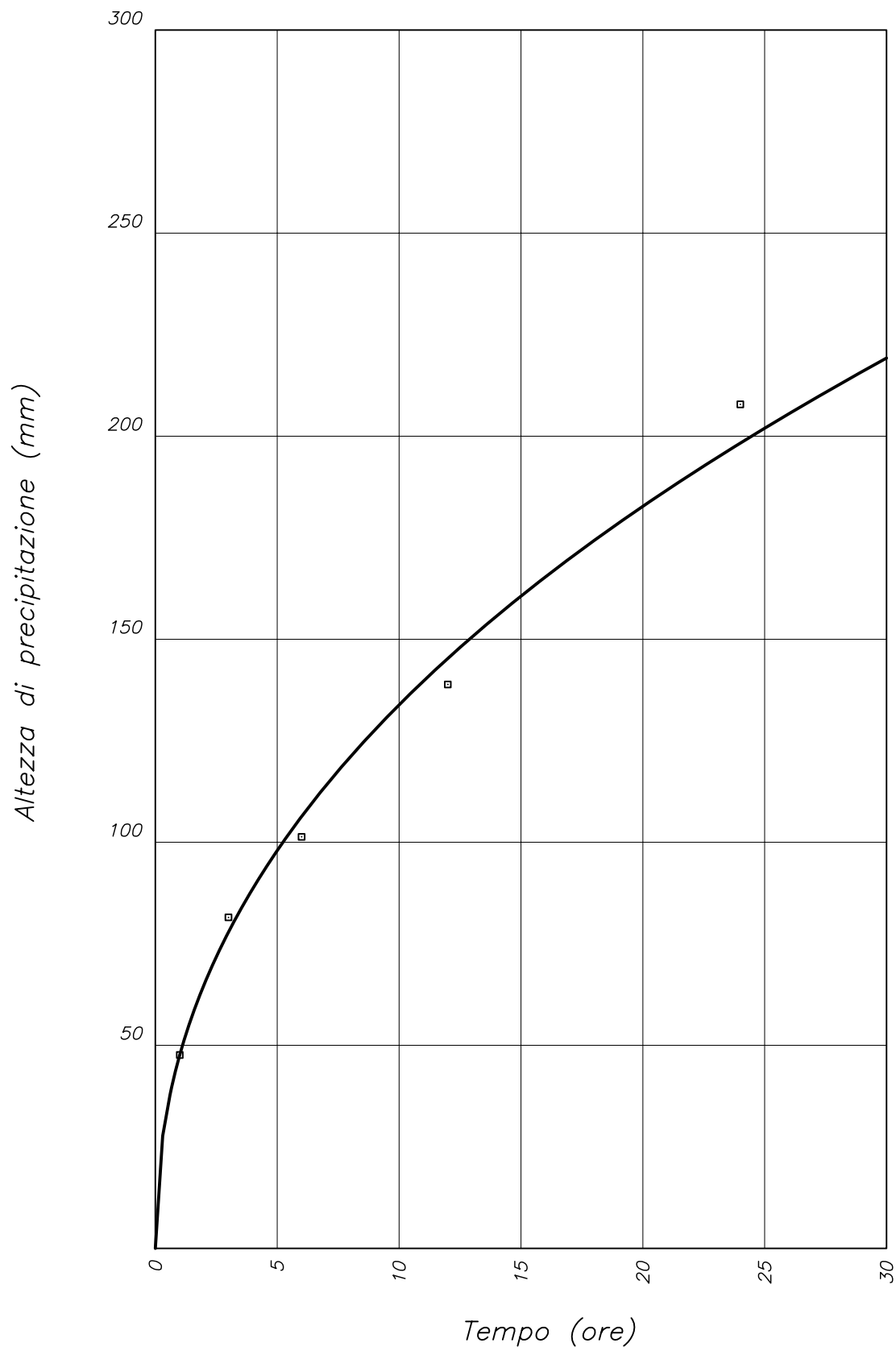
Valore sperimentale

Funzione di regressione

□

—

PLUVIOGRAFO DI BUSSOLENO
 TEMPO DI RITORNO 500 ANNI
 CURVA DI MASSIMA POSSIBILITA' CLIMATICA



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

$a = 47.55476$

$n = 0.44934$

Valore sperimentale

Funzione di regressione

□

Allegato 6 – Analisi idraulica stato di fatto

BOSS RiverCAD HEC-2 Analysis version 2000 PAGE 1
PROJECT TITLE : Stato di fatto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

=====
BOSS RiverCAD (tm)
=====

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Version : 2000

PROGRAM ORIGIN :

BOSS RiverCAD HEC-2 Analysis uses the standard 4.6.2 version of the U.S. Army Corps of Engineers Hydrologic Engineering Center HEC-2 Program for water-surface profile computations. This HEC-2 program was released on September 1990, last updated on August 1991.

DISCLAIMER :

BOSS RiverCAD is a complex program which requires engineering expertise to use correctly. BOSS International assumes absolutely no responsibility for the correct use of this program. All results obtained should be carefully examined by an experienced professional engineer to determine if they are reasonable and accurate.

Although BOSS International has endeavored to make BOSS RiverCAD error free, the program is not and cannot be certified as infallible. Therefore, BOSS International makes no warranty, either implicit or explicit, as to the correct performance or accuracy of this software.

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PROJECT DESCRIPTION :

PROJECT TITLE : Stato di fatto
PROJECT NUMBER : Analisi idraulica Rio Calcinera
DESCRIPTION : 201380e.dwg
ENGINEER : ing. Roberto Truffa Giachet
DATE OF RUN : 4/06/2021
TIME OF RUN : 9:58 am

BOSS RiverCAD HEC-2 Analysis version 2000 PAGE 2
PROJECT TITLE : Stato di fatto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

T1 Analisi idraulica Rio Calcinera
T2 Stato di fatto
T3 201380e.dwg

JOB PARAMETERS :

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		2		1		1		20.2	393.8	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1					0	-6	15
NC	0.05	0.05	0.04							
X1	48	16	5.314	8.32	2.7		2.7	2.7		
X2										15
X3	10								393.35	393.536
GR	393.75	0	393.708	1.107	393.61	1.293	393.577	1.336	393.532	2.19
GR	393.35	5.314	392.475	6.825	392.369	7.051	392.334	7.253	392.328	7.285
GR	392.35	7.525	392.358	7.546	393.441	8.295	393.536	8.32	393.521	8.609
GR	393.88	12.93								
NC	0.05	0.05	0.04							
X1	47	15	4.419	7.979	3.7		3.7	3.7		
X2										15
X3	10								393.197	393.28
GR	393.54	0	393.492	0.96	393.456	1.144	393.43	1.177	393.265	4.114
GR	393.25	4.327	393.197	4.419	392.081	6.775	392.077	6.797	391.997	7.167
GR	391	7.189	392	7.596	392.106	7.67	393.28	7.979	393.048	11.907
NC	0.05	0.05	0.04							
X1	46	16	4.062	8.363	4		4	4		
X2										15
X3	10								392.85	392.879
GR	393.21	0	393.183	0.822	393.137	0.999	392.982	2.701	392.85	4.062
GR	391.69	7.377	391.658	7.443	391.407	7.838	391.406	7.843	391.406	7.848
GR	391.4	8.02	391.407	8.022	392.879	8.363	392.764	9.043	392.607	10.511
GR	392.64	13.573								
NC	0.05	0.05	0.04							
X1	45	17	3.992	8.41	3.1		3.1	3.1		
X2										15
X3	10								392.352	391.481
GR	392.92	0	392.876	0.694	392.763	1.079	392.747	1.145	392.582	2.635
GR	392.35	3.992	390.904	6.849	390.818	6.962	390.757	7.383	390.755	7.39
GR	390.76	7.414	390.872	7.847	391.481	8.41	391.415	10.369	391.434	10.688
GR	391.39	11.613	391.32	13.145						

BOSS RiverCAD HEC-2 Analysis version 2000 PAGE 3
PROJECT TITLE : Stato di fatto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

NC	0.05	0.05	0.04							
X1	44	17	4.466	7.18	3.3	3.3	3.3			
X2										15
X3	10							391.367	391.112	
GR	392.58	0	392.552	0.333	392.536	0.356	392.36	0.828	392.108	2.076
GR	391.8	3.628	391.367	4.466	390.446	5.623	390.418	5.791	390.364	5.961
GR	390.65	6.683	390.691	6.77	391.029	6.977	391.112	7.18	390.87	9.421
GR	390.85	10.07	390.735	10.934						
NC	0.05	0.05	0.04							
X1	43	17	3.773	6.47	3.2	3.2	3.2			
X2										15
X3	10							391.242	390.929	
GR	391.95	0	391.882	0.724	391.757	0.9	391.662	1.157	391.303	2.989
GR	391.24	3.773	390.323	4.753	390.068	5.035	390.001	5.229	390.002	5.291
GR	390.06	5.456	390.402	6.238	390.929	6.47	390.867	6.559	390.879	7.474
GR	390.52	10.023	390.416	10.254						
NC	0.05	0.05	0.04							
X1	42	21	3.906	6.332	3.1	3.1	3.1			
X2										15
X3	10							390.696	390.396	
GR	391.35	0	391.307	0.668	391.272	1.041	391.047	1.358	391.024	1.422
GR	390.93	1.879	390.785	3.811	390.696	3.986	389.998	4.778	389.772	4.94
GR	389.77	4.945	389.776	5.178	389.774	5.184	389.976	5.774	390.025	5.814
GR	390.03	5.853	390.396	6.332	390.435	8.926	390.383	9.308	390.222	9.648
GR	389.89	10.313								
NC	0.05	0.05	0.04							
X1	41	17	3.58	5.93	2.8	2.8	2.8			
X2										15
X3	10							390.269	389.955	
GR	390.73	0	390.683	1.03	390.585	1.247	390.423	1.483	390.334	2.544
GR	390.27	3.58	389.703	4.694	389.649	4.797	389.633	4.837	389.603	5.066
GR	389.62	5.123	389.554	5.326	389.755	5.703	389.955	5.93	389.954	6.385
GR	389.69	9.368	389.577	9.615						
NC	0.05	0.05	0.04							
X1	40	17	3.673	5.73	2.8	2.8	2.8			
X2										15
X3	10							389.796	389.528	
GR	390.19	0	390.173	1.155	389.957	1.668	389.911	1.738	389.846	2.889
GR	389.79	3.673	389.455	4.296	389.423	4.359	389.298	4.678	389.272	4.746
GR	389.27	4.749	389.435	5.249	389.433	5.255	389.448	5.282	389.528	5.73
GR	389.18	8.36	389.158	9.154						
NC	0.05	0.05	0.04							
X1	39	19	3.793	6.184	3.1	3.1	3.1			
X2										15
X3	10							389.173	389.172	
GR	389.79	0	389.775	0.803	389.708	0.904	389.517	1.365	389.363	3.299
GR	389.35	3.434	389.261	3.68	389.173	3.793	388.826	4.486	388.802	4.548

BOSS RiverCAD HEC-2 Analysis version 2000 PAGE 4
PROJECT TITLE : Stato di fatto
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GR	388.68	4.797	388.708	4.867	388.872	5.529	388.886	5.546	389.003	5.963
GR	389.17	6.184	388.872	8.137	388.777	9.303	388.692	10.215		
NC	0.05	0.05	0.04							
X1	38	21	4.17	7.076	2.59	2.59	2.59			
X2										15
X3	10							388.778	388.702	
GR	389.41	0	389.379	0.986	389.375	1.129	389.153	1.462	389.129	1.52
GR	389.11	1.765	388.973	3.649	388.778	4.17	387.666	5.932	387.614	6.025
GR	387.61	6.083	387.63	6.143	387.627	6.152	387.648	6.378	387.659	6.403
GR	388.01	6.557	388.702	7.076	388.395	9.005	388.353	9.848	388.369	10.64
GR	388.29	11.326								
NC	0.05	0.05	0.04							
X1	37	19	3.594	6.881	2.475	2.475	2.475			
X2										15
X3	10							388.681	388.248	
GR	389.09	0	389.062	0.738	389.023	0.926	388.866	1.162	388.748	2.685
GR	388.68	3.594	388.14	4.064	387.961	4.324	387.392	5.652	387.395	5.662
GR	387.41	5.768	387.504	6.058	387.507	6.079	387.524	6.103	388.248	6.881
GR	388.27	6.993	388.278	7.204	387.966	10.23	387.912	10.684		
NC	0.05	0.05	0.04							
X1	36	19	6.298	10.548	3.002	3.002	3.002			
X2										15
X3	10							388.392	387.986	
GR	388.72	0	388.682	2.727	388.595	3.204	388.565	3.253	388.544	3.591
GR	388.39	6.298	387.021	7.519	387.017	7.524	386.825	8.13	387.008	8.495
GR	387.03	8.532	387.266	8.8	387.578	9.243	387.622	9.289	387.986	10.548
GR	388.03	12.454	387.979	13.008	387.924	13.473	387.503	15.154		
NC	0.05	0.05	0.04							
X1	35	15	5.383	8.685	3.255	3.255	3.255			
X2										15
X3	10							387.807	386.683	
GR	388.1	0	387.835	5.341	387.834	5.344	387.807	5.383	386.284	7.322
GR	386.18	7.491	386.105	7.788	386.208	7.97	386.195	7.987	386.546	8.491
GR	386.68	8.685	386.793	10.059	386.819	10.148	386.83	10.233	386.777	12.261
NC	0.05	0.05	0.04							
X1	34	21	6.68	10.01	2.445	2.445	2.445			
X2										15
X3	10							386.906	385.972	
GR	386.98	0	386.885	0.672	386.904	3.391	386.927	6.229	386.919	6.577
GR	386.9	6.68	385.954	8.011	385.607	8.545	385.522	8.657	385.397	8.893
GR	385.31	9.014	385.313	9.02	385.316	9.023	385.336	9.05	385.846	9.882
GR	385.97	10.01	385.946	12.349	385.888	13.488	385.856	14.882	385.983	15.779
GR	386.01	15.987								
NC	0.05	0.05	0.04							
X1	33	14	4.765	7.724	2.911	2.911	2.911			
X2										15

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X3	10							386.086	385.589	
GR	386.09	0	385.978	0.887	386.051	2.887	386.06	4.056	386.086	4.765
GR	385.19	5.975	384.865	6.467	384.831	6.666	384.882	6.972	384.871	6.996
GR	384.9	7.041	385.589	7.724	385.594	8.925	385.524	10.92		
NC	0.05	0.05	0.04							
X1	32	17	2.923	5.212	3.35	3.35	3.35			
X2										15
X3	10							385.225	385.149	
GR	385.17	0	385.174	0.02	385.101	0.729	385.197	1.254	385.142	1.823
GR	385.22	2.923	384.889	3.385	384.438	4.034	384.433	4.065	384.422	4.338
GR	384.5	4.56	384.516	4.608	384.826	4.834	385.149	5.212	385.163	5.543

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

GR	385.19	6.867	385.216	8.097						
NC	0.05	0.05	0.04							
X1	31	19	3.774	6.155	3.341	3.341	3.341			
X2										15
X3	10							384.412	384.989	
GR	384.55	0	384.499	0.548	384.453	1.147	384.379	2.236	384.342	2.969
GR	384.41	3.774	383.632	4.045	383.611	4.072	383.659	4.265	383.682	4.401
GR	383.68	4.41	383.675	4.412	383.511	4.673	383.513	4.676	383.579	4.714
GR	384.99	6.155	384.97	6.267	384.99	6.965	384.905	8.288		
NC	0.05	0.05	0.04							
X1	30	20	3.254	5.648	3.17	3.17	3.17			
X2										15
X3	10							383.748	384.675	
GR	383.81	0	383.767	0.943	383.764	1.354	383.774	1.89	383.759	3.254
GR	383.74	3.3	382.64	3.58	382.343	3.757	382.243	4.122	382.237	4.214
GR	382.19	4.231	382.184	4.367	382.208	4.407	382.684	4.661	382.761	4.776
GR	384.67	5.648	384.472	6.624	384.875	6.783	384.861	7.363	384.859	8.691
NC	0.05	0.05	0.04							
X1	29	19	3.547	5.304	4.018	4.018	4.018			
X2										15
X3	10							383.278	384.207	
GR	383.34	0	383.341	0.014	383.308	1.463	383.308	1.463	383.311	2.737
GR	383.27	3.543	383.277	3.547	383.272	3.548	383.132	3.561	381.755	3.664
GR	381.74	3.816	381.711	4.054	381.708	4.063	381.799	4.322	382.174	4.476
GR	384.2	5.304	384.16	6.027	384.089	6.676	384.119	8.089		
NC	0.05	0.05	0.04							
X1	28	14	3.56	5.471	16.151	16.151	16.151			
X2										15
X3	10							382.626	383.723	
GR	382.81	0	382.748	1.41	382.63	3.467	382.626	3.56	381.04	3.702
GR	381	3.705	381.001	3.716	380.861	4.173	380.866	4.19	381.093	4.53
GR	382.15	5.097	383.167	5.326	383.723	5.471	383.751	7.154		
NC	0.05	0.05	0.02							
X1	27	16	1.87	3.09	13.182	13.182	13.182			
X2										15

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X3	10							380.631	380.582	
GR	380.81	0	380.631	1.87	379.405	1.88	378.98	2.055	378.805	2.48
GR	378.98	2.905	379.405	3.08	380.582	3.09	380.582	4.299	380.572	4.503
GR	380.56	4.942	380.564	5.139	380.576	7.265	380.68	7.779	380.703	8.025
GR	380.7	8.039								
NC	0.05	0.05	0.02							
X1	26	11	1.95	3.17	13.359	13.359	13.359			
X2										15
X3	10							379.161	379.197	
GR	379.24	0	379.161	1.445	379.161	1.95	377.745	1.96	377.32	2.135
GR	377.14	2.56	377.32	2.985	377.745	3.16	379.197	3.17	379.197	5.646
GR	379.28	6.427								
NC	0.05	0.05	0.02							
X1	25	11	2.21	3.424	15.078	15.078	15.078			
X2										15
X3	10							377.512	377.377	
GR	377.54	0	377.512	0.291	377.512	2.21	376.063	2.22	375.638	2.395
GR	375.46	2.82	375.638	3.245	376.063	3.42	377.377	3.424	377.518	7.479
GR	377.51	7.591								
NC	0.05	0.05	0.02							
X1	24	18	1.63	2.85	19.811	19.811	19.811			
X2										15
X3	10							375.326	375.275	
GR	375.37	0	375.374	0.099	375.363	0.334	375.357	0.444	375.346	0.887
GR	375.32	1.599	375.326	1.63	374.164	1.64	373.739	1.815	373.564	2.24
GR	373.74	2.665	374.164	2.84	375.275	2.85	375.275	3.51	375.315	6.707
GR	375.36	7.739	375.383	7.885	375.398	8.115				
NC	0.05	0.05	0.02							
X1	23	12	2.39	3.61	22.68	22.68	22.68			
X2										15
X3	10							372.859	372.81	
GR	372.86	0	372.859	1.056	372.859	2.39	371.669	2.4	371.244	2.575
GR	371.07	3	371.244	3.425	371.669	3.6	372.81	3.61	372.81	3.987
GR	372.85	5.771	372.904	7.275						
NC	0.05	0.05	0.02							
X1	22	11	0.98	2.2	20.368	20.368	20.368			
X2										15
X3	10							370.142	370.15	
GR	370.14	0.083	370.142	0.98	368.813	0.99	368.388	1.165	368.213	1.59
GR	368.38	2.015	368.813	2.19	370.15	2.2	370.15	2.482	370.139	8.43
GR	370.14	8.681								
NC	0.05	0.05	0.02							
X1	21	13	5.95	7.17	17.076	17.076	17.076			
X2										15
X3	10							368.558	368.574	
GR	368.7	0	368.673	2.15	368.558	5.272	368.558	5.95	367.191	5.96

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GR	366.76	6.135	366.591	6.56	366.76	6.985	367.191	7.16	368.574	7.17
GR	368.57	7.269	368.484	10.799	368.556	12.489				
NC	0.05	0.05	0.02							
X1	20	20	6.69	7.91	22.12	22.12	22.12			
X2										15
X3	10							367.123	367.189	
GR	366.33	0	366.316	0.774	366.319	3.224	366.291	5.61	367.137	5.705
GR	367.22	5.71	367.22	5.752	367.224	6.215	367.211	6.219	367.123	6.26
GR	367.12	6.69	366.08	6.7	365.655	6.875	365.48	7.3	365.655	7.725
GR	366.08	7.9	367.089	7.91	367.089	8.838	367.119	10.428	367.243	13.088
NC	0.05	0.05	0.02							
X1	19	24	7.36	8.58	15.952	15.952	15.952			
X2										15
X3	10							365.57	365.602	
GR	365.32	0	365.245	3.188	365.244	3.437	365.246	3.614	365.276	5.846
GR	365.58	5.884	365.688	5.894	365.69	6.396	365.691	6.481	365.677	6.484
GR	365.57	6.503	365.57	6.853	365.57	7.36	364.641	7.37	364.216	7.545
GR	364.04	7.97	364.216	8.395	364.641	8.57	365.602	8.58	365.602	9.401
GR	365.67	12.515	365.705	13.372	365.707	13.986	365.721	14.177		
NC	0.05	0.05	0.02							
X1	18	24	5.28	6.5	15.575	15.575	15.575			
X2										15
X3	10							364.692	364.763	

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GR	364.69	0.037	364.694	0.184	364.692	4.109	364.692	5.28	363.603	5.29
GR	363.17	5.465	363.093	5.89	363.17	6.315	363.603	6.49	364.763	6.5
GR	364.76	7.023	364.811	8.517	364.975	8.526	365.026	8.539	365.027	8.737
GR	365.02	8.796	364.962	8.802	364.776	8.834	364.807	8.914	364.811	9.263
GR	364.68	9.323	364.232	9.373	364.029	10.845	364.012	11.92		
NC	0.05	0.05	0.02							
X1	17	21	9.62	10.84	11.621	11.621	11.621			
X2										15
X3	10							363.722	363.665	
GR	363.67	0.181	363.67	0.722	363.722	5.51	363.722	5.618	363.724	5.706
GR	363.72	5.788	363.722	9.62	362.589	9.63	362.164	9.805	361.989	10.23
GR	362.16	10.655	362.589	10.83	363.665	10.84	363.665	11.239	363.808	11.246
GR	363.9	11.278	363.897	11.393	363.892	11.527	363.536	11.579	363.204	11.612
GR	363.18	12.602								
NC	0.05	0.05	0.02							
X1	16	20	7.42	8.64	21.218	21.218	21.218			
X2										15
X3	10							362.929	363.038	
GR	362.79	0	362.79	0.646	362.746	1.37	362.923	6.986	362.925	7.067
GR	362.92	7.082	362.929	7.293	362.929	7.42	362.029	7.43	361.604	7.605
GR	361.49	8.03	361.604	8.455	362.029	8.63	363.038	8.64	363.038	10.193
GR	363.01	12.627	363.392	12.644	363.527	12.656	363.527	12.711	363.527	12.727
NC	0.05	0.05	0.02							

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X1	15	18	3.16	4.38	14.415	14.415	14.415			
X2										15
X3	10							362.082	362.24	
GR	362.17	0	362.167	1.518	362.158	1.984	362.06	2.081	362.053	2.083
GR	362.07	2.535	362.082	2.841	362.082	3.16	361.393	3.17	360.968	3.345
GR	360.79	3.77	360.968	4.12	361.393	4.37	362.24	4.38	362.24	6.212
GR	362.33	9.45	362.351	9.844	362.348	11.908				
NC	0.05	0.05	0.02							
X1	14	17	2.18	3.4	11.047	11.047	11.047			
X2										15
X3	10							361.7	361.816	
GR	361.98	0	361.954	1.266	361.955	1.313	361.696	1.395	361.7	1.528
GR	361.7	2.18	360.956	2.19	360.531	2.365	360.356	2.79	360.531	3.215
GR	360.95	3.39	361.816	3.4	361.816	4.942	361.872	7.948	361.878	8.283
GR	361.93	8.35	361.903	9.157						
NC	0.05	0.05	0.02							
X1	13	15	2.26	3.48	4.498	4.498	4.498			
X2										15
X3	10							361.334	361.35	
GR	361.35	0	361.343	0.76	361.359	1.205	361.336	1.534	361.334	2.169
GR	361.33	2.26	360.621	2.27	360.196	2.445	360.021	2.87	360.196	3.295
GR	360.62	3.47	361.35	3.48	361.35	3.56	361.358	7.183	361.381	8.978
NC	0.05	0.05	0.02							
X1	12	16	1.824	2.889	15.111	15.111	15.111			
X2										15
X3	10							361.257	361.286	
GR	361.38	0	361.354	1.751	361.273	1.765	361.257	1.824	361.034	1.832
GR	359.9	1.865	359.899	1.971	359.898	2.232	359.898	2.625	359.9	2.857
GR	360.58	2.869	361.286	2.889	361.319	3.984	361.198	5.419	361.138	6.548
GR	361.13	6.846								
NC	0.05	0.05	0.02							
X1	11	10	0.42	1.64	14.966	14.966	14.966			
X2										15
X3	10							360.494	360.486	
X5	0	361.75								
GR	360.49	0.285	360.494	0.42	359.881	0.43	359.456	0.605	359.281	1.03
GR	359.45	1.455	359.881	1.63	360.486	1.64	360.486	1.739	360.507	2.092
NC	0.05	0.05	0.02							
X1	10	23	2.37	3.889	4.36	4.36	4.36			
X2										15
X3	10							360.1	360.171	
GR	359.17	0.243	359.184	2.02	359.187	2.208	359.719	2.225	359.76	2.364
GR	359.76	2.37	358.731	2.398	358.753	3.01	358.752	3.035	358.753	3.054
GR	358.75	3.644	358.788	3.645	359.777	3.701	359.777	3.708	359.781	3.852
GR	359.8	3.855	360.171	3.889	360.171	4.061	360.17	4.069	360.15	4.071
GR	359.83	4.108	359.781	6.208	359.781	6.211				

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NC	0.05	0.05	0.02							
X1	9	27	2.414	3.992	3.871	3.871	3.871			
X2										15
X3	10							360	360.078	
GR	358.97	0	358.94	2.226	358.94	2.229	359.704	2.302	359.701	2.413
GR	359.7	2.414	359.497	2.424	358.703	2.464	358.704	2.478	358.679	3.083
GR	358.7	3.248	358.684	3.552	358.684	3.698	359.467	3.734	359.709	3.747
GR	359.71	3.868	359.71	3.9	359.997	3.946	360.078	3.954	360.078	3.992
GR	360.07	4.107	359.759	4.14	359.69	4.148	359.677	4.675	359.681	6.785
GR	359.67	9.267	359.681	11.777						
NC	0.05	0.05	0.02							
X1	8	29	3.339	4.956	1	1	1			
X2										15
X3	10							359.67	359.792	
GR	358.86	0	358.874	1.032	358.879	2.913	358.879	3.144	358.98	3.147
GR	359.67	3.165	359.669	3.187	359.67	3.339	359.496	3.348	358.647	3.368
GR	358.64	3.528	358.612	4.001	358.611	4.228	358.615	4.665	358.913	4.674
GR	359.64	4.707	359.64	4.761	359.64	4.87	359.747	4.891	359.794	4.901
GR	359.79	4.956	359.792	5.076	359.722	5.086	359.588	5.116	359.575	5.397
GR	359.57	6.457	359.594	8.111	359.613	9.577	359.62	12.767		
NC	0.05	0.05	0.02							
X1	7	25	3.241	5.09	4.936	4.936	4.936			
X2										15
X3	10							359.659	359.774	
GR	358.85	0	358.845	0.364	358.86	3.055	359.623	3.075	359.659	3.241
GR	359.65	3.245	358.634	3.254	358.633	3.281	358.631	3.558	358.594	4.169
GR	358.59	4.489	358.596	4.853	359.017	4.864	359.619	4.892	359.619	4.969
GR	359.62	5.059	359.709	5.076	359.774	5.09	359.775	5.167	359.773	5.266
GR	359.67	5.28	359.565	5.304	359.546	5.693	359.547	6.117	359.571	8.41
NC	0.05	0.05	0.02							
X1	6	23	3.374	5.236	5.113	5.113	5.113			
X2										15
X3	10							359.551	359.676	
GR	358.76	0	358.732	2.06	358.738	3.188	359.059	3.197	359.555	3.208
GR	359.55	3.277	359.551	3.374	359.011	3.38	358.526	3.385	358.506	4.206
GR	358.5	4.208	358.506	4.212	358.506	4.863	358.502	4.99	359.522	5.019
GR	359.52	5.203	359.676	5.236	359.68	5.415	359.453	5.446	359.453	9.02

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GR	359.45	9.062	359.477	10.493	359.502	12.501				
NC	0.05	0.05	0.02							
X1	5	26	3.813	5.687	5.914	5.914	5.914			
X2										15
X3	10							359.441	359.567	
GR	358.68	0	358.648	2.014	358.646	3.631	358.788	3.635	359.449	3.65
GR	359.44	3.802	359.441	3.813	359.374	3.816	358.421	3.828	358.416	3.892
GR	358.41	4.685	358.41	5.12	358.414	5.425	358.856	5.447	359.428	5.463
GR	359.42	5.551	359.428	5.654	359.514	5.672	359.567	5.687	359.569	5.76
GR	359.57	5.859	359.444	5.876	359.159	5.891	359.163	7.895	359.156	9.253
GR	359.19	11.702								

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NC	0.05	0.05	0.02							
X1	4	24	3.775	5.669	3.944	3.944	3.944			
X2										15
X3	10							359.323	359.539	
GR	358.6	0.235	358.631	3.454	358.63	3.599	359.315	3.616	359.328	3.62
GR	359.32	3.775	358.396	3.811	358.395	4.627	358.395	4.694	358.394	4.73
GR	358.31	5.389	359.266	5.437	359.318	5.438	359.318	5.626	359.318	5.635
GR	359.32	5.637	359.439	5.669	359.443	5.825	359.443	5.833	359.433	5.835
GR	358.82	5.866	358.82	6.043	358.809	8.932	358.816	9.339		
NC	0.05	0.05	0.02							
X1	3	24	3.5	4.893	1.032	1.032	1.032			
X2										15
X3	10							359.3	359.3	
GR	358.56	0.336	358.567	1.35	358.54	2.658	358.672	3.321	358.833	3.327
GR	359.25	3.335	359.252	3.36	359.25	3.5	358.415	3.52	358.269	3.525
GR	358.26	3.671	358.24	4.239	358.242	4.366	358.242	4.858	359.07	4.884
GR	359.25	4.893	359.249	5.018	359.248	5.054	358.817	5.087	358.7	5.093
GR	358.7	5.31	358.688	5.348	358.689	5.922	358.636	8.318		
NC	0.05	0.05	0.02							
X1	2	15	2.99	4.846	6.716	6.716	6.716			
X2										15
X3	10							358.86	358.597	
X5	0	359.3								
GR	358.54	0.13	358.55	0.505	358.54	0.99	358.751	2.056	358.86	2.99
GR	357.95	3.19	357.915	3.235	357.904	3.911	357.901	3.918	357.903	3.927
GR	357.91	4.479	358.585	4.846	358.594	4.849	358.597	4.901	358.596	7.916
NC	0.05	0.05	0.04							
X1	1	13	2.941	5.111						
X2										15
X3	10							358.848	358.302	
GR	358.51	0.186	358.848	2.941	358.857	3.021	358.833	3.026	357.797	4.133
GR	357.79	4.246	357.705	4.499	357.761	4.78	357.763	4.878	357.882	4.943
GR	358.3	5.111	358.455	7.451	358.455	7.948				

STATUS: Analyzing profile 1.

STATUS: Analyzing cross-section reach 48.000.

STATUS: (3280) For cross-section 48.00, ends have been extended vertically 0.05 meters in order to calculate the hydraulic cross-section properties.

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Cross Section Number	Left Overbank Manning	Channel Manning	Right Overbank Manning	Flow Depth	Water Surface Elevation	Critical W. S. Elevation	Known W. S. Elevation
SECNO	XNL	XNCH	XNR	DEPTH (m)	CWSEL (m MSL)	CRWS (m MSL)	WSELK (m MSL)
Energy Gradient	Left Overbank Length	Channel Length	Right Overbank Length	Energy Gradient	Weighted Velocity	Friction Energy Loss	Other Energy Loss
SLOPE (m/m)	XLOBL (m)	XLCH (m)	XLOBR (m)	EG (m MSL)	HV (m)	HL (m)	OLOSS (m)
Cumulative Volume	Left Overbank Area	Channel Area	Right Overbank Area	Bridge Deck Area	Left Bank Elevation	Right Bank Elevation	Number of Balance Trials
VOL (1000 cm)	ALOB (sq m)	ACH (sq m)	AROB (sq m)	CORAR (sq m)	LTBNK (m MSL)	RTBNK (m MSL)	ITRIAL
Total Flow	Left Overbank Flow	Channel Flow	Right Overbank Flow	Computed Top Width	Left Station	Right Station	Number of Crit Dpth Trials
Q (cms)	QLOB (cms)	QCH (cms)	QROB (cms)	TOPWD (m)	SSTA (m)	ENDST (m)	IDC
Flow Travel Time	Left Overbank Velocity	Channel Mean Velocity	Right Overbank Velocity	Length Manning n	Cummul. Surface Area	Minimum C. S. Elevation	Number of Other Trials
TIME (hrs)	VLOB (m/s)	VCH (m/s)	VROB (m/s)	WTN	TWA (1000 sm)	ELMIN (m MSL)	ICONT
48.000	0.050	0.040	0.050	1.47	393.80	394.13	393.80
0.063288	0	0	0	395.01	1.21	0.00	0.00
0.00	1	3	0	0.00	393.35	393.54	0
20	3	16	0	12.0	0.00	11.97	10
0.00	2.26	5.33	1.16	0.000	0.0	392.33	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	48.000
Total Discharge (cms, Q)	20
Computed Water Surface Elevation (m MSL, CWSEL)	393.80
Station (m) =	0.0 1.1 2.2 5.3 8.3 8.6
Flow (%) =	0.0 2.1 14.1 80.7 0.0
Area (sq m) =	0.1 0.2 1.1 3.1 0.1
Vel (m/s) =	0.05 1.70 2.54 5.33 0.05
Depth (m) =	0.07 0.23 0.36 1.02 0.27

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Station (m) =	8.6 12.0
Flow (%) =	3.1
Area (sq m) =	0.5

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Vel (m/s) = 1.35
Depth (m) = 0.14

STATUS: Analyzing cross-section reach 47.000.

STATUS: (3280) For cross-section 47.00, ends have been extended vertically 0.32 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
47.000	0.050	0.040	0.050	2.36	393.36	393.75	0.00
0.115638	2	2	2	394.79	1.43	0.23	0.00
0.01	0	3	0	0.00	393.20	393.28	9
20	0	18	1	9.6	2.28	11.91	21
0.00	0.07	5.50	2.23	0.000	0.0	391.00	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 47.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 393.36

Station (m) = 2.3 4.1 4.4 8.0 11.9
Flow (%) = 0.0 0.0 91.1 8.9
Area (sq m) = 0.1 0.0 3.3 0.8
Vel (m/s) = 0.07 0.07 5.50 2.23
Depth (m) = 0.05 0.12 0.94 0.20

STATUS: Analyzing cross-section reach 46.000.

STATUS: (3280) For cross-section 46.00, ends have been extended vertically 0.24 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
46.000	0.050	0.040	0.050	1.48	392.88	393.27	0.00
0.110522	3	3	3	394.29	1.41	0.42	0.09
0.03	0	3	1	0.00	392.85	392.88	20
20	0	17	2	9.8	3.76	13.57	16
0.00	0.07	5.57	2.38	0.000	0.1	391.40	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 46.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 392.88

Station (m) = 3.8 4.1 8.4 9.0 10.5 13.6
Flow (%) = 0.0 86.9 0.0 3.1 9.9
Area (sq m) = 0.0 3.2 0.0 0.3 0.8
Vel (m/s) = 0.07 5.57 0.07 2.22 2.55
Depth (m) = 0.01 0.73 0.06 0.19 0.26

STATUS: Analyzing cross-section reach 45.000.

STATUS: (3280) For cross-section 45.00, ends have been extended vertically 0.43 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, LBEL)						392.35
	Right Overbank Elevation (m, RBEL)						391.48
45.000	0.000	0.040	0.050	0.99	391.75	392.21	0.00
0.187034	4	4	4	393.72	1.98	0.57	0.00
0.04	0	1	1	0.00	392.35	391.48	8
20	0	13	6	8.0	5.18	13.15	8
0.00	0.00	7.03	3.97	0.000	0.1	390.76	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 45.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 391.75

Station (m) = 5.2 8.4 10.4 10.7 11.6 13.1
Flow (%) = 68.4 11.3 2.1 6.4 11.7
Area (sq m) = 2.0 0.6 0.1 0.3 0.6
Vel (m/s) = 7.03 3.88 4.07 4.18 3.94
Depth (m) = 0.61 0.30 0.32 0.34 0.39

STATUS: Analyzing cross-section reach 44.000.

STATUS: (3280) For cross-section 44.00, ends have been extended vertically 0.67 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

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44.000	0.050	0.040	0.050	1.04	391.41	391.87	0.00
0.162747	3	3	3	393.18	1.78	0.54	0.00
0.06	0	1	1	0.00	391.37	391.11	7
20	0	12	8	6.5	4.39	10.93	14
0.00	0.08	6.70	4.50	0.000	0.1	390.36	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 44.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 391.41

Station (m) = 4.4 4.5 7.2 9.4 10.1 10.9
Flow (%) = 0.0 59.5 20.6 9.5 10.4
Area (sq m) = 0.0 1.8 0.9 0.4 0.5
Vel (m/s) = 0.08 6.70 4.47 5.39 3.96
Depth (m) = 0.02 0.66 0.42 0.55 0.61

STATUS: Analyzing cross-section reach 43.000.

STATUS: (3280) For cross-section 43.00, ends have been extended vertically 0.80 meters in order to calculate the hydraulic cross-section properties.

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STATUS: (3495) Overbank area assumed noneffective.

				Left Overbank Elevation (m, XLBEL)	391.24		
				Right Overbank Elevation (m, RBEL)	390.93		

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

43.000	0.000	0.040	0.050	1.21	391.21	391.67	0.00
0.120329	3	3	3	392.72	1.51	0.46	0.00
0.07	0	2	1	0.00	391.24	390.93	5
20	0	12	7	6.5	3.80	10.25	14
0.00	0.00	6.12	3.97	0.000	0.1	390.00	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 43.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 391.21

Station (m) = 3.8 6.5 7.5 10.0 10.3
Flow (%) = 64.0 5.3 28.9 1.8
Area (sq m) = 2.1 0.3 1.3 0.2
Vel (m/s) = 6.12 3.12 4.44 2.08
Depth (m) = 0.79 0.34 0.52 0.75

STATUS: Analyzing cross-section reach 42.000.

STATUS: (3280) For cross-section 42.00, ends have been extended vertically 0.90 meters in order to calculate the hydraulic cross-section properties.

42.000	0.050	0.040	0.050	1.11	390.88	391.30	0.00
0.109496	3	3	3	392.36	1.47	0.37	0.00
0.08	0	1	2	0.00	390.70	390.40	5
20	0	12	8	7.8	2.48	10.31	11
0.00	0.07	6.23	3.79	0.000	0.2	389.77	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 42.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 390.88

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PROJECT TITLE : Stato di fatto
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Station (m) = 2.5 3.8 3.9 6.3 8.9 9.3
Flow (%) = 0.0 0.0 59.7 24.1 3.6
Area (sq m) = 0.1 0.0 1.9 1.2 0.2
Vel (m/s) = 0.07 0.07 6.23 4.00 4.01
Depth (m) = 0.05 0.14 0.80 0.47 0.48

Station (m) = 9.3 9.6 10.3
Flow (%) = 4.2 8.4
Area (sq m) = 0.2 0.6
Vel (m/s) = 4.31 3.08
Depth (m) = 0.58 0.83

STATUS: Analyzing cross-section reach 41.000.

STATUS: (3280) For cross-section 41.00, ends have been extended vertically 0.85 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

41.000	0.050	0.040	0.050	0.88	390.44	390.88	0.00
0.137431	3	3	3	391.98	1.54	0.38	0.00
0.09	0	1	2	0.00	390.27	389.95	6
20	0	8	11	8.1	1.47	9.62	11
0.00	1.36	6.16	4.97	0.000	0.2	389.55	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 41.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 390.44

Station (m) = 1.5 2.5 3.6 5.9 6.4 9.4
Flow (%) = 0.0 1.3 43.7 4.9 47.8
Area (sq m) = 0.1 0.1 1.4 0.2 1.8
Vel (m/s) = 0.07 1.90 6.16 4.53 5.32

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Depth (m) = 0.05 0.13 0.61 0.48 0.61
Station (m) = 9.4 9.6
Flow (%) = 2.3
Area (sq m) = 0.2
Vel (m/s) = 2.32
Depth (m) = 0.80

STATUS: Analyzing cross-section reach 40.000.

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PROJECT TITLE : Stato di fatto
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STATUS: (3280) For cross-section 40.00, ends have been extended vertically 0.85 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
40.000	0.050	0.040	0.050	0.74	390.01	390.44	0.00
0.150251	2	2	2	391.58	1.57	0.40	0.00
0.10	0	1	2	0.00	389.79	389.53	7
20	0	6	12	7.6	1.55	9.15	14
0.00	2.19	6.11	5.36	0.000	0.2	389.27	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 40.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 390.01

Station (m) = 1.6 2.9 3.7 5.7 8.4 9.2
Flow (%) = 1.4 1.9 33.6 49.2 14.0
Area (sq m) = 0.2 0.1 1.1 1.7 0.7
Vel (m/s) = 1.87 2.54 6.11 5.80 4.24
Depth (m) = 0.12 0.19 0.54 0.65 0.84

STATUS: Analyzing cross-section reach 39.000.

STATUS: (3280) For cross-section 39.00, ends have been extended vertically 0.77 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
39.000	0.050	0.040	0.050	0.79	389.47	389.90	0.00
0.164734	2	2	2	391.14	1.67	0.44	0.00
0.11	0	1	2	0.00	389.17	389.17	6
20	0	8	11	8.2	2.05	10.22	14
0.00	0.08	6.53	5.01	0.000	0.2	388.68	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 39.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 389.47

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PROJECT TITLE : Stato di fatto
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Station (m) = 2.1 3.3 3.7 3.8 6.2 8.1
Flow (%) = 0.0 0.0 0.0 0.0 19.9
Area (sq m) = 0.1 0.1 0.0 1.3 0.9
Vel (m/s) = 0.08 0.08 0.08 6.53 4.67
Depth (m) = 0.05 0.14 0.25 0.56 0.44

Station (m) = 8.1 9.3 10.2
Flow (%) = 22.1 14.3
Area (sq m) = 0.7 0.7
Vel (m/s) = 6.00 4.36
Depth (m) = 0.64 0.73

STATUS: Analyzing cross-section reach 38.000.

STATUS: (3280) For cross-section 38.00, ends have been extended vertically 0.54 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
38.000	0.050	0.040	0.050	1.22	388.83	389.30	0.00
0.165599	3	3	3	390.62	1.00	0.51	0.00
0.13	0	2	1	0.00	388.78	388.70	6
20	0	13	6	7.3	4.04	11.33	14
0.00	0.08	6.66	4.10	0.000	0.3	387.61	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 38.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 388.83

Station (m) = 4.0 4.2 7.1 9.0 9.8 10.6
Flow (%) = 0.0 66.9 9.2 9.1 9.0
Area (sq m) = 0.0 2.0 0.5 0.4 0.4
Vel (m/s) = 0.08 6.66 3.45 4.80 4.90
Depth (m) = 0.02 0.70 0.28 0.45 0.47

Station (m) = 10.6 11.3
Flow (%) = 5.9
Area (sq m) = 0.3
Vel (m/s) = 3.47
Depth (m) = 0.50

STATUS: Analyzing cross-section reach 37.000.

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STATUS: (3280) For cross-section 37.00, ends have been extended vertically 0.61 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)					388.68
		Right Overbank Elevation (m, RBEL)					388.25
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

37.000	0.000	0.040	0.050	1.14	388.53	389.00	0.00
0.131370	2	2	2	390.24	1.72	0.38	0.00
0.14	0	2	1	0.00	388.68	388.25	6
20	0	14	5	7.0	3.73	10.68	11
0.00	0.00	6.45	3.53	0.000	0.3	387.39	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 37.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 388.53
Station (m) = 3.7 6.9 7.0 7.2 10.2 10.7
Flow (%) = 72.9 0.0 0.0 23.3 3.7
Area (sq m) = 2.3 0.0 0.1 1.2 0.3
Vel (m/s) = 6.45 0.07 0.07 3.91 2.86
Depth (m) = 0.73 0.26 0.25 0.40 0.58

STATUS: Analyzing cross-section reach 36.000.

STATUS: (3280) For cross-section 36.00, ends have been extended vertically 0.63 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	388.39
	Right Overbank Elevation (m, RBEL)	387.99
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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

36.000	0.000	0.040	0.050	1.30	388.13	388.58	0.00
0.133230	2	2	2	389.92	1.79	0.33	0.00
0.15	0	2	1	0.00	388.39	387.99	5
20	0	17	2	8.6	6.53	15.15	14
0.00	0.00	6.30	2.49	0.000	0.3	386.83	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 36.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 388.13
Station (m) = 6.5 10.5 12.5 13.0 13.5 15.2
Flow (%) = 86.6 2.1 0.0 0.0 11.2
Area (sq m) = 2.8 0.2 0.1 0.1 0.7
Vel (m/s) = 6.30 1.79 0.07 0.07 3.24
Depth (m) = 0.69 0.12 0.12 0.18 0.42

STATUS: Analyzing cross-section reach 35.000.

STATUS: (3280) For cross-section 35.00, ends have been extended vertically 0.43 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)				387.81	
		Right Overbank Elevation (m, RBEL)				386.68	
35.000	0.000	0.040	0.050	1.11	387.21	387.74	0.00
0.187706	3	3	3	389.44	2.23	0.47	0.00
0.16	0	1	1	0.00	387.81	386.68	7
20	0	13	6	6.1	6.14	12.26	11
0.00	0.00	7.50	4.45	0.000	0.3	386.11	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 35.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 387.21

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Station (m) =	6.1	8.7	10.1	10.1	10.2	12.3
Flow (%) =	65.9	16.9	0.0	0.0	17.1	
Area (sq m) =	1.8	0.7	0.0	0.0	0.8	
Vel (m/s) =	7.50	5.25	0.09	0.09	4.18	
Depth (m) =	0.70	0.47	0.40	0.39	0.41	

STATUS: Analyzing cross-section reach 34.000.

STATUS: (3280) For cross-section 34.00, ends have been extended vertically 0.23 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)							386.91
Right Overbank Elevation (m, RBEL)							385.97
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 31.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 384.82

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Station (m) = 0.0 0.5 1.1 2.2 3.0 3.8
Flow (%) = 2.4 4.4 10.4 8.7 9.0
Area (sq m) = 0.2 0.2 0.4 0.3 0.4
Vel (m/s) = 3.00 4.33 4.83 5.27 5.14
Depth (m) = 0.29 0.34 0.40 0.45 0.44

Station (m) = 3.8 6.2
Flow (%) = 65.2
Area (sq m) = 1.8
Vel (m/s) = 7.33
Depth (m) = 0.81

STATUS: Analyzing cross-section reach 30.000.

STATUS: (3280) For cross-section 30.00, ends have been extended vertically 0.20 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 383.75
Right Overbank Elevation (m, RBEL) 384.67

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
30.000	0.050	0.040	0.000	1.82	384.01	384.59	0.00
0.164283	3	3	3	386.40	2.39	0.60	0.00
0.21	0	2	0	0.00	383.76	384.67	6
20	1	18	0	5.3	0.00	5.34	17
0.00	2.58	7.16	0.00	0.000	0.4	382.18	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 30.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 384.01

Station (m) = 0.0 0.9 1.4 1.9 3.3 5.6
Flow (%) = 2.6 0.0 2.0 5.1 90.3
Area (sq m) = 0.2 0.1 0.1 0.3 2.5
Vel (m/s) = 2.59 0.08 3.11 3.13 7.16
Depth (m) = 0.22 0.24 0.24 0.24 1.22

STATUS: Analyzing cross-section reach 29.000.

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STATUS: (3280) For cross-section 29.00, ends have been extended vertically 0.31 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 383.28
Right Overbank Elevation (m, RBEL) 384.21

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
29.000	0.050	0.040	0.000	1.94	383.65	384.26	0.00
0.206854	3	3	3	385.81	2.17	0.58	0.00
0.22	1	2	0	0.00	383.28	384.20	6
20	5	14	0	5.1	0.00	5.08	14
0.00	4.41	7.13	0.00	0.000	0.4	381.71	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 29.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 383.65

Station (m) = 0.0 1.5 2.7 3.5 3.5 5.3
Flow (%) = 10.1 9.5 6.6 0.0 73.7
Area (sq m) = 0.5 0.4 0.3 0.0 2.1
Vel (m/s) = 4.27 4.44 4.60 4.60 7.13
Depth (m) = 0.33 0.34 0.36 0.38 1.36

STATUS: Analyzing cross-section reach 28.000.

STATUS: (3280) For cross-section 28.00, ends have been extended vertically 0.14 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 382.63
Right Overbank Elevation (m, RBEL) 383.72

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PROJECT TITLE : Stato di fatto
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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

28.000	0.050	0.040	0.000	2.08	382.94	383.49	0.00
0.155321	4	4	4	385.10	2.16	0.72	0.00
0.23	0	2	0	0.00	382.63	383.72	6
20	2	17	0	5.3	0.00	5.28	11
0.00	2.79	6.83	0.00	0.000	0.5	380.86	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 28.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 382.94

Station (m) =	0.0	1.4	3.5	3.6	5.5
Flow (%) =	2.6	8.3	0.0	89.0	
Area (sq m) =	0.2	0.5	0.0	2.6	
Vel (m/s) =	2.25	3.19	0.08	6.83	
Depth (m) =	0.17	0.26	0.32	1.53	

STATUS: Analyzing cross-section reach 27.000.

STATUS: (3280) For cross-section 27.00, ends have been extended vertically 0.14 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 0.61

27.000	0.050	0.020	0.050	2.04	380.85	381.42	0.00
0.058130	16	16	16	383.65	2.81	1.45	0.00
0.29	0	2	1	0.00	380.63	380.58	5
20	0	17	2	8.0	0.00	8.04	11
0.00	1.15	7.89	1.74	0.000	0.6	378.80	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 27.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 380.85

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PROJECT TITLE : Stato di fatto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

Station (m) =	0.0	1.9	3.1	4.3	4.5	4.9
Flow (%) =	1.3	87.9	3.0	0.0	1.2	
Area (sq m) =	0.2	2.2	0.3	0.1	0.1	
Vel (m/s) =	1.15	7.89	1.95	0.05	2.03	
Depth (m) =	0.12	1.84	0.26	0.26	0.27	

Station (m) =	4.9	5.1	7.3	7.8	8.0
Flow (%) =	0.0	5.7	0.9	0.0	
Area (sq m) =	0.1	0.6	0.1	0.0	
Vel (m/s) =	0.05	2.01	1.69	0.05	
Depth (m) =	0.28	0.27	0.21	0.15	

STATUS: Analyzing cross-section reach 26.000.

STATUS: (3280) For cross-section 26.00, ends have been extended vertically 0.04 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSELK
SLOPE	XLGBL	XLCH	XLGBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

26.000	0.050	0.020	0.050	2.14	379.28	380.09	0.00
0.070491	13	13	13	382.81	3.53	0.84	0.00
0.33	0	2	0	0.00	379.16	379.20	5
20	0	19	0	6.4	0.00	6.41	13
0.00	0.64	8.39	0.87	0.000	0.7	377.14	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 26.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 379.28

Station (m) =	0.0	1.4	2.0	3.2	5.6	6.4
Flow (%) =	0.5	0.0	98.4	1.0	0.0	
Area (sq m) =	0.1	0.1	2.4	0.2	0.0	
Vel (m/s) =	0.95	0.05	8.39	1.00	0.05	
Depth (m) =	0.08	0.12	1.94	0.08	0.04	

STATUS: Analyzing cross-section reach 25.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

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PROJECT TITLE : Stato di fatto
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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 377.51
Right Overbank Elevation (m, RBEL) 377.38

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSELK
SLOPE	XLGBL	XLCH	XLGBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

25.000	0.000	0.020	0.050	1.99	377.45	378.29	0.00
0.089380	13	13	13	381.75	4.30	1.06	0.00
0.37	0	2	0	0.00	377.51	377.38	8
20	0	20	0	3.6	2.21	5.77	11
0.00	0.00	9.20	0.06	0.000	0.7	375.46	0

FLOW DISTRIBUTION :

COMUNE DI CAPRIE
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Cross-Section Number (SECNO) 25.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 377.45

Station (m) = 2.2 3.4 5.8
Flow (%) = 100.0 0.0
Area (sq m) = 2.2 0.1
Vel (m/s) = 9.20 0.06
Depth (m) = 1.81 0.04

STATUS: Analyzing cross-section reach 24.000.

STATUS: (3280) For cross-section 24.00, ends have been extended vertically 0.02 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

24.000	0.050	0.020	0.050	1.83	375.39	376.15	0.00
0.103549	15	15	15	380.31	4.92	1.45	0.00
0.40	0	1	0	0.00	375.33	375.27	6
20	0	19	0	8.0	0.00	7.98	11
0.00	0.06	9.93	0.95	0.000	0.8	373.56	0

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PROJECT TITLE : Stato di fatto
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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 24.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 375.39

Station (m) = 0.0 1.6 1.6 2.8 3.5 6.7
Flow (%) = 0.0 0.0 97.9 0.0 2.0
Area (sq m) = 0.1 0.1 0.0
Vel (m/s) = 0.06 0.06 9.93 0.06 1.33
Depth (m) = 0.04 0.07 1.63 0.11 0.09

Station (m) = 6.7 7.7 8.0
Flow (%) = 0.0 0.0
Area (sq m) = 0.1 0.0
Vel (m/s) = 0.06 0.06
Depth (m) = 0.05 0.01

STATUS: Analyzing cross-section reach 23.000.

STATUS: (3280) For cross-section 23.00, ends have been extended vertically 0.02 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XL0BL	XLCH	XL0BR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

23.000	0.050	0.020	0.050	1.81	372.88	373.76	0.00
0.112221	19	19	19	378.17	5.29	2.13	0.00
0.45	0	1	0	0.00	372.86	372.81	6
20	0	20	0	6.7	0.00	6.71	9
0.01	0.07	10.20	0.07	0.000	1.0	371.07	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 23.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 372.88

Station (m) = 0.0 2.4 3.6 5.8 6.7
Flow (%) = 0.0 99.9 0.0 0.0
Area (sq m) = 0.1 2.0 0.1 0.0
Vel (m/s) = 0.07 10.20 0.07 0.07
Depth (m) = 0.02 1.62 0.06 0.02

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STATUS: Analyzing cross-section reach 22.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 370.14
Right Overbank Elevation (m, RBEL) 370.15

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XL0BL	XLCH	XL0BR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

22.000	0.000	0.020	0.000	1.79	370.00	370.92	0.00
0.121701	22	22	22	375.52	5.52	2.65	0.00
0.49	0	1	0	0.00	370.14	370.15	5
20	0	20	0	1.2	0.98	2.20	8
0.01	0.00	10.41	0.00	0.000	1.1	368.21	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 22.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 370.00

Station (m) = 1.0 2.2
Flow (%) = 100.0
Area (sq m) = 1.9
Vel (m/s) = 10.41
Depth (m) = 1.59

STATUS: Analyzing cross-section reach 21.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 368.56

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Right Overbank Elevation (m, RBEL)							368.57
21.000	0.000	0.020	0.000	1.90	368.49	369.22	0.00
0.102533	20	20	20	373.25	4.76	2.27	0.00
0.54	0	2	0	0.00	368.56	368.57	5
20	0	20	0	1.2	5.95	7.17	14
0.01	0.00	9.67	0.00	0.000	1.1	366.59	0

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 PROJECT TITLE : Stato di fatto
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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 21.000
 Total Discharge (cms, Q) 20
 Computed Water Surface Elevation (m MSL, CWSEL) 368.49

Station (m) = 6.0 7.2
 Flow (%) = 100.0
 Area (sq m) = 2.1
 Vel (m/s) = 9.67
 Depth (m) = 1.71

STATUS: Analyzing cross-section reach 20.000.

STATUS: (3280) For cross-section 20.00, ends have been extended vertically 0.76 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 367.12
 Right Overbank Elevation (m, RBEL) 367.19

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 PROJECT TITLE : Stato di fatto
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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
20.000	0.000	0.020	0.000	1.61	367.09	367.36	0.00
0.158966	17	17	17	374.04	6.95	2.15	-0.05
0.57	0	1	0	0.00	367.12	367.09	20
20	0	20	0	1.2	6.69	7.91	6
0.01	0.00	11.68	0.00	0.000	1.1	365.48	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 20.000
 Total Discharge (cms, Q) 20
 Computed Water Surface Elevation (m MSL, CWSEL) 367.09

Station (m) = 6.7 7.9
 Flow (%) = 100.0
 Area (sq m) = 1.7
 Vel (m/s) = 11.68
 Depth (m) = 1.42

STATUS: Analyzing cross-section reach 19.000.

STATUS: (3265) Divided flow.

STATUS: (3280) For cross-section 19.00, ends have been extended vertically 0.30 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

19.000	0.050	0.020	0.050	1.58	365.62	366.12	0.00
0.089016	22	22	22	368.62	3.00	2.58	-0.83
0.63	2	1	0	0.00	365.57	365.60	20
20	5	14	0	9.5	0.00	10.11	11
0.01	2.56	8.81	0.06	0.000	1.2	364.04	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 19.000
 Total Discharge (cms, Q) 20
 Computed Water Surface Elevation (m MSL, CWSEL) 365.62

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 PROJECT TITLE : Stato di fatto
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Station (m) = 0.0 3.2 3.4 3.6 5.8 7.4
 Flow (%) = 14.3 0.0 0.0 11.8 0.0
 Area (sq m) = 1.1 0.1 0.1 0.8 0.0
 Vel (m/s) = 2.71 0.06 0.06 3.00 0.06
 Depth (m) = 0.33 0.37 0.37 0.36 0.03

Station (m) = 7.4 8.6 10.1
 Flow (%) = 73.8 0.0
 Area (sq m) = 1.7 0.0
 Vel (m/s) = 8.81 0.06
 Depth (m) = 1.39 0.01

STATUS: Analyzing cross-section reach 18.000.

STATUS: (3265) Divided flow.

STATUS: (3280) For cross-section 18.00, ends have been extended vertically 0.75 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
18.000	0.050	0.020	0.050	1.76	364.77	365.31	0.00
0.060765	15	15	15	366.91	2.14	1.16	-0.05
0.69	0	1	1	0.00	364.69	364.76	20
20	0	14	5	9.8	0.04	11.92	9
0.01	0.65	7.44	3.22	0.000	1.4	363.00	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 18.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 364.77

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PROJECT TITLE : Stato di fatto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

Station (m) = 0.0 4.1 5.3 6.5 10.8 11.9
Flow (%) = 1.2 0.0 70.8 16.7 11.3
Area (sq m) = 0.3 0.1 1.9 1.0 0.8
Vel (m/s) = 0.82 0.05 7.44 3.55 2.84
Depth (m) = 0.07 0.07 1.57 0.22 0.74

STATUS: Analyzing cross-section reach 17.000.

STATUS: (3280) For cross-section 17.00, ends have been extended vertically 0.74 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
17.000	0.050	0.020	0.050	1.93	363.92	364.36	0.00
0.051084	15	15	15	366.06	2.14	0.87	-0.01
0.76	1	2	0	0.00	363.72	363.67	20
20	3	15	1	12.4	0.18	12.60	8
0.01	1.54	7.34	1.89	0.000	1.5	361.99	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 17.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 363.92

Station (m) = 0.2 5.5 9.6 10.8 12.6
Flow (%) = 9.5 5.6 76.9 8.0
Area (sq m) = 1.2 0.8 2.1 0.9
Vel (m/s) = 1.62 1.42 7.34 1.89
Depth (m) = 0.22 0.19 1.74 0.48

STATUS: Analyzing cross-section reach 16.000.

STATUS: (3280) For cross-section 16.00, ends have been extended vertically 0.36 meters in order to calculate the hydraulic cross-section properties.

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PROJECT TITLE : Stato di fatto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
16.000	0.050	0.020	0.050	1.66	363.15	363.60	0.00
0.061470	11	11	11	365.41	2.20	0.65	0.00
0.82	2	1	0	0.00	362.93	363.04	7
20	5	14	0	12.6	0.00	12.63	8
0.01	2.21	7.78	1.19	0.000	1.7	361.49	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 16.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 363.15

Station (m) = 0.0 0.6 1.4 7.0 7.3 7.4
Flow (%) = 2.2 3.6 20.3 0.0 0.0
Area (sq m) = 0.2 0.3 1.8 0.1 0.0
Vel (m/s) = 1.87 2.61 2.30 0.05 0.05
Depth (m) = 0.36 0.38 0.32 0.23 0.22

Station (m) = 7.4 8.6 10.2 12.6 12.6
Flow (%) = 71.0 1.0 1.9 0.0
Area (sq m) = 1.8 0.2 0.3 0.0
Vel (m/s) = 7.78 1.16 1.21 0.05
Depth (m) = 1.51 0.11 0.13 0.07

STATUS: Analyzing cross-section reach 15.000.

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

STATUS: (3280) For cross-section 15.00, ends have been extended vertically 0.41 meters in order to calculate the hydraulic cross-section properties.

15.000	0.050	0.020	0.050	1.78	362.57	362.97	0.00
0.041636	21	21	21	364.34	1.77	1.06	0.00
0.93	1	1	2	0.00	362.08	362.24	7
20	3	13	3	11.9	0.00	11.91	14
0.01	2.16	7.06	1.69	0.000	2.0	360.79	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 15.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 362.57

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Station (m) =	0.0	1.5	2.5	3.2	4.4	6.2
Flow (%) =	5.9	5.2	3.9	67.3	6.0	
Area (sq m) =	0.6	0.5	0.3	1.9	0.6	
Vel (m/s) =	1.92	2.21	2.56	7.06	1.97	
Depth (m) =	0.41	0.46	0.50	1.58	0.34	

Station (m) =	6.2	9.4	11.9
Flow (%) =	8.4	3.3	
Area (sq m) =	0.9	0.6	
Vel (m/s) =	1.79	1.19	
Depth (m) =	0.29	0.23	

STATUS: Analyzing cross-section reach 14.000.

STATUS: (3280) For cross-section 14.00, ends have been extended vertically 0.37 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
14.000	0.050	0.020	0.050	1.91	362.27	362.68	0.00
0.032729	14	14	14	363.81	1.54	0.53	0.00
1.00	0	2	2	0.00	361.70	361.82	7
20	1	13	4	9.2	0.00	9.16	14
0.01	1.68	6.53	1.99	0.000	2.1	360.36	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 14.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 362.27

Station (m) =	0.0	1.3	1.5	2.2	3.4	4.9
Flow (%) =	2.8	0.0	4.7	68.3	7.6	
Area (sq m) =	0.4	0.1	0.4	2.1	0.7	
Vel (m/s) =	1.44	0.04	2.50	6.53	2.10	
Depth (m) =	0.31	0.49	0.58	1.73	0.46	

Station (m) =	4.9	7.9	8.3	9.2
Flow (%) =	13.3	1.3	2.0	
Area (sq m) =	1.3	0.1	0.3	
Vel (m/s) =	2.07	1.97	1.31	
Depth (m) =	0.43	0.40	0.36	

STATUS: Analyzing cross-section reach 13.000.

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STATUS: (3280) For cross-section 13.00, ends have been extended vertically 0.44 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
13.000	0.050	0.020	0.050	1.76	361.78	362.20	0.00
0.038151	11	11	11	363.42	1.64	0.39	0.00
1.06	1	1	2	0.00	361.33	361.35	7
20	1	13	4	9.0	0.00	8.98	11
0.01	1.99	6.86	2.10	0.000	2.2	360.02	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 13.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 361.78

Station (m) =	0.0	0.8	1.2	1.5	2.2	2.3
Flow (%) =	2.8	2.2	1.6	3.3	0.0	
Area (sq m) =	0.3	0.2	0.1	0.3	0.0	
Vel (m/s) =	1.67	2.25	2.26	2.31	0.04	
Depth (m) =	0.44	0.44	0.44	0.45	0.46	

Station (m) =	2.3	3.5	7.2	9.0
Flow (%) =	65.5	17.5	7.1	
Area (sq m) =	1.9	1.6	0.8	
Vel (m/s) =	6.86	2.20	1.91	
Depth (m) =	1.58	0.44	0.42	

STATUS: Analyzing cross-section reach 12.000.

STATUS: (3280) For cross-section 12.00, ends have been extended vertically 0.68 meters in order to calculate the hydraulic cross-section properties.

12.000	0.050	0.020	0.050	1.92	361.81	362.22	0.00
0.038393	4	4	4	363.25	1.44	0.17	0.00
1.09	0	1	2	0.00	361.26	361.29	7
20	1	12	5	6.8	0.00	6.85	14
0.01	1.88	6.42	2.58	0.000	2.2	359.90	0

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PROJECT TITLE : Stato di fatto
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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 12.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 361.81

Station (m) = 0.0 1.8 1.8 2.9 4.0 5.4
Flow (%) = 7.6 0.0 63.1 6.9 10.4
Area (sq m) = 0.8 0.0 2.0 0.6 0.8
Vel (m/s) = 1.97 0.04 6.42 2.50 2.64
Depth (m) = 0.45 0.54 1.86 0.51 0.55

Station (m) = 5.4 6.5 6.8
Flow (%) = 10.5 1.4
Area (sq m) = 0.7 0.2
Vel (m/s) = 2.92 1.37
Depth (m) = 0.65 0.68

STATUS: Analyzing cross-section reach 11.000.

STATUS: Water surface elevation set by X5 card, 361.750 m MSL.

STATUS: (3280) For cross-section 11.00, ends have been extended vertically 1.26 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (7185) Critical depth has been crossed, therefore critical depth has been assumed for the current cross-section.

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOB	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
11.000	0.050	0.020	0.050	2.47	361.75	362.34	0.00
0.021311	15	15	15	364.02	2.27	0.42	0.00
1.15	0	2	0	0.00	360.49	360.49	0
20	0	19	0	1.8	0.28	2.09	14
0.01	0.72	6.86	1.72	0.000	2.3	359.28	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 11.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 361.75

Station (m) = 0.3 0.4 1.6 1.7 2.1
Flow (%) = 0.6 94.6 2.1 2.7
Area (sq m) = 0.2 2.8 0.1 0.4
Vel (m/s) = 0.72 6.86 3.41 1.24
Depth (m) = 1.26 2.28 1.26 1.25

STATUS: Analyzing cross-section reach 10.000.

STATUS: (3280) For cross-section 10.00, ends have been extended vertically 0.93 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	Right Overbank Elevation (m, RBEL)
10.000	0.050	0.020
0.063068	14	14
1.21	1	0
20	6	13
0.01	3.33	7.70

	0.000	1.37	360.10	360.67	0.00
14	14	362.36	2.26	0.51	-0.01
1	0	0.00	359.76	360.17	20
6	0	3.6	0.24	3.88	16
0.01	0.000	2.3	358.73	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 10.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 360.10

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PROJECT TITLE : Stato di fatto
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Station (m) = 0.2 2.0 2.2 2.4 2.4 3.9
Flow (%) = 29.3 1.6 0.0 0.0 69.1
Area (sq m) = 1.6 0.2 0.1 0.0 1.8
Vel (m/s) = 3.60 1.94 0.05 0.05 7.70
Depth (m) = 0.92 0.92 0.39 0.34 1.20

STATUS: Analyzing cross-section reach 9.000.

STATUS: (3280) For cross-section 9.00, ends have been extended vertically 1.03 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

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Left Overbank Elevation (m, XLBEL)								360.00
Right Overbank Elevation (m, RBEL)								360.08
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	
9.000	0.050	0.020	0.000	1.32	360.00	360.25	0.00	
0.050145	4	4	4	361.63	1.62	0.24	0.16	
1.22	2	1	0	0.00	359.70	360.08	20	
20	8	11	0	3.9	0.00	3.95	11	
0.01	3.46	6.78	0.00	0.000	2.4	358.68	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	9.000
Total Discharge (cms, Q)	20
Computed Water Surface Elevation (m MSL, CWSEL)	360.00
Station (m) =	0.0 2.2 2.3 2.4 4.0
Flow (%) =	41.3 0.0 0.0 58.7
Area (sq m) =	2.3 0.1 0.0 1.7
Vel (m/s) =	3.58 0.04 0.04 6.78
Depth (m) =	1.05 0.69 0.30 1.14

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PROJECT TITLE : Stato di fatto
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STATUS: Analyzing cross-section reach 8.000.

STATUS: (3280) For cross-section 8.00, ends have been extended vertically 0.81 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								359.67
Right Overbank Elevation (m, RBEL)								359.79
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	
8.000	0.050	0.020	0.000	1.06	359.67	360.08	0.00	
0.071436	3	3	3	361.40	1.73	0.23	0.00	
1.24	2	1	0	0.00	359.67	359.79	5	
20	10	10	0	4.9	0.00	4.88	8	
0.01	4.02	7.20	0.00	0.000	2.4	358.61	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	8.000
Total Discharge (cms, Q)	20
Computed Water Surface Elevation (m MSL, CWSEL)	359.67
Station (m) =	0.0 1.0 2.9 3.1 3.3 5.0
Flow (%) =	12.9 33.9 3.3 0.0 49.9
Area (sq m) =	0.8 1.5 0.2 0.0 1.4
Vel (m/s) =	3.14 4.59 3.59 0.05 7.20
Depth (m) =	0.80 0.79 0.79 0.04 0.91

STATUS: Analyzing cross-section reach 7.000.

STATUS: (3280) For cross-section 7.00, ends have been extended vertically 0.82 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								359.66
Right Overbank Elevation (m, RBEL)								359.77

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	
7.000	0.050	0.020	0.000	1.09	359.68	360.09	0.00	
0.055460	1	1	1	361.33	1.65	0.06	0.00	
1.24	2	1	0	0.00	359.66	359.77	3	
20	8	11	0	5.1	0.00	5.07	17	
0.01	3.28	6.89	0.00	0.000	2.4	358.59	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	7.000
Total Discharge (cms, Q)	20
Computed Water Surface Elevation (m MSL, CWSEL)	359.68
Station (m) =	0.0 0.4 3.1 3.2 5.1
Flow (%) =	2.8 38.0 0.0 59.1
Area (sq m) =	0.3 2.2 0.0 1.7
Vel (m/s) =	1.88 3.49 0.05 6.89
Depth (m) =	0.82 0.82 0.07 0.95

STATUS: Analyzing cross-section reach 6.000.

STATUS: (3280) For cross-section 6.00, ends have been extended vertically 0.82 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								359.55
Right Overbank Elevation (m, RBEL)								359.68
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	
6.000	0.050	0.020	0.000	1.08	359.58	359.96	0.00	
0.051018	4	4	4	361.07	1.50	0.26	0.00	
1.26	2	1	0	0.00	359.55	359.68	5	

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      20      8      11      0      5.2      0.00      5.21      15
      0.01      3.25      6.60      0.00      0.000      2.4      358.50      0

FLOW DISTRIBUTION :
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Cross-Section Number (SECNO)                      6.000
Total Discharge (cms, Q)                            20
Computed Water Surface Elevation (m MSL, CWSEL)      359.58

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Station (m) =      0.0      2.1      3.2      3.4      5.2
Flow (%)    =      27.0     16.0      0.0     56.9
Area (sq m) =       1.7      0.9      0.0      1.7
Vel (m/s)   =       3.19     3.41     0.05     6.60
Depth (m)   =       0.83     0.84     0.07     0.95

STATUS: Analyzing cross-section reach 5.000.

STATUS: (3280) For cross-section      5.00, ends have been extended
vertically 0.84 meters in order to calculate the hydraulic
cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface
elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation
will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)      359.44
Right Overbank Elevation (m, RBEL)      359.57

SECNO  XNL      XNCH      XNR      DEPTH      CWSEL      CRIWS      WSELK
SLOPE  XLOBL     XLCH     XLOBR     EG        HV        HL        OLOSS
VOL     ALOB     ACH      AROB     CORAR     LTBNK     RTBNK     ITRIAL
Q        QLOB     QCH      QROB     TOPWD     SSTA     ENDST     IDC
TIME    VLOB     VCH      VROB     WTN       TWA      ELMIN     ICONT
-----
      5.000     0.050     0.020     0.000      1.11     359.52     359.71     0.00
0.037756      5         5         5     360.65      1.13     0.22     0.00
      1.29      3         1         0      0.00     359.44     359.57     20
      20       9        10        0      5.7      0.00     5.67     18
      0.01     3.02     5.84     0.00     0.000      2.4     358.41     0

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FLOW DISTRIBUTION :
-----
Cross-Section Number (SECNO)                      5.000
Total Discharge (cms, Q)                            20
Computed Water Surface Elevation (m MSL, CWSEL)      359.52

Station (m) =      0.0      2.0      3.6      3.8      5.7
Flow (%)    =      23.8     23.5      0.0     52.7
Area (sq m) =       1.7      1.4      0.0      1.8
Vel (m/s)   =       2.78     3.36     0.04     5.84
Depth (m)   =       0.86     0.87     0.12     0.98

STATUS: Analyzing cross-section reach 4.000.

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STATUS: (3280) For cross-section      4.00, ends have been extended
vertically 0.94 meters in order to calculate the hydraulic
cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface
elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation
will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)      359.32
Right Overbank Elevation (m, RBEL)      359.54

SECNO  XNL      XNCH      XNR      DEPTH      CWSEL      CRIWS      WSELK
SLOPE  XLOBL     XLCH     XLOBR     EG        HV        HL        OLOSS
VOL     ALOB     ACH      AROB     CORAR     LTBNK     RTBNK     ITRIAL
Q        QLOB     QCH      QROB     TOPWD     SSTA     ENDST     IDC
TIME    VLOB     VCH      VROB     WTN       TWA      ELMIN     ICONT
-----
      4.000     0.050     0.020     0.000      1.23     359.54     359.61     0.00
0.031395      5         5         5     360.67      1.14     0.20     0.01
      1.32      3         2         0      0.00     359.32     359.44     20
      20       8        11        0      5.4      0.23     5.67     11
      0.02     2.72     5.77     0.00     0.000      2.5     358.30     0

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FLOW DISTRIBUTION :
-----
Cross-Section Number (SECNO)                      4.000
Total Discharge (cms, Q)                            20
Computed Water Surface Elevation (m MSL, CWSEL)      359.54

Station (m) =      0.2      3.5      3.6      3.8      5.7
Flow (%)    =      41.7      0.7      0.0     57.6
Area (sq m) =       3.0      0.1      0.0      2.0
Vel (m/s)   =       2.83      1.04     0.04     5.77
Depth (m)   =       0.92     0.91     0.25     1.07

STATUS: Analyzing cross-section reach 3.000.

STATUS: (3280) For cross-section      3.00, ends have been extended
vertically 0.79 meters in order to calculate the hydraulic
cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface
elevation (WSEL) and computed water surface elevation (CWSEL).

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WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
3.000	0.050	0.020	0.050	1.11	359.35	359.58	0.00
0.036381	3	3	3	360.21	0.87	0.13	0.00
1.34	2	1	2	0.00	359.25	359.25	20
20	6	8	5	8.0	0.34	8.32	8
0.02	2.75	5.61	2.42	0.000	2.5	358.24	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 3.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 359.35

Station (m) = 0.3 1.4 2.7 3.3 3.5 4.9
Flow (%) = 8.7 16.8 6.5 0.0 41.6
Area (sq m) = 0.8 1.0 0.5 0.0 1.5
Vel (m/s) = 2.21 3.27 2.67 0.04 5.61
Depth (m) = 0.78 0.79 0.74 0.12 1.08

Station (m) = 4.9 5.9 8.3
Flow (%) = 6.3 20.2
Area (sq m) = 0.6 1.6
Vel (m/s) = 2.21 2.49
Depth (m) = 0.56 0.68

STATUS: Analyzing cross-section reach 2.000.
STATUS: Water surface elevation set by X5 card, 359.300 m MSL.
STATUS: (3280) For cross-section 2.00, ends have been extended vertically 0.76 meters in order to calculate the hydraulic cross-section properties.
WARNING: (3302) Conveyance change is outside of acceptable range.
Upstream to Downstream Conveyance Ratio (KRATIO) 0.69

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
2.000	0.050	0.020	0.050	1.40	359.30	359.61	0.00
0.017194	1	1	1	360.39	1.09	0.02	0.00
1.35	1	2	2	0.00	358.86	358.58	0
20	3	13	3	7.8	0.13	7.92	14
0.02	1.77	5.58	1.77	0.000	2.5	357.90	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 2.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 359.30

Station (m) = 0.1 0.5 1.0 2.1 3.0 4.8
Flow (%) = 1.5 3.9 6.7 3.7 65.2
Area (sq m) = 0.3 0.4 0.7 0.5 2.4
Vel (m/s) = 1.04 2.17 1.95 1.63 5.58
Depth (m) = 0.75 0.75 0.65 0.49 1.27

Station (m) = 4.8 4.8 7.9
Flow (%) = 0.0 18.9
Area (sq m) = 0.0 2.2
Vel (m/s) = 1.63 1.77
Depth (m) = 0.71 0.70

STATUS: Analyzing cross-section reach 1.000.
STATUS: (3280) For cross-section 1.00, ends have been extended vertically 0.56 meters in order to calculate the hydraulic cross-section properties.
WARNING: (3302) Conveyance change is outside of acceptable range.
Upstream to Downstream Conveyance Ratio (KRATIO) 2.23

1.000	0.050	0.040	0.050	1.31	359.01	359.34	0.00
0.085519	6	6	6	360.17	1.16	0.22	0.00
1.38	0	1	1	0.00	358.85	358.30	7
20	2	10	7	7.8	0.19	7.95	11
0.02	2.50	5.53	4.01	0.000	2.6	357.70	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 1.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 359.01

Station (m) = 0.2 2.9 5.1 7.5 7.9
Flow (%) = 11.4 53.6 31.7 3.3
Area (sq m) = 0.9 2.0 1.5 0.3
Vel (m/s) = 2.50 5.53 4.31 2.40
Depth (m) = 0.33 0.90 0.63 0.56

T1 Analisi idraulica Rio Calcinera
T2 Stato di fatto
T3 201380e.dwg

JOB PARAMETERS :

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ

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J2 NPROF 3 1 1 17.5 393.7
IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
2 -1 0 -6 15

STATUS: Analyzing profile 2.

STATUS: Analyzing cross-section reach 48.000.

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
48.000	0.050	0.040	0.050	1.37	393.70	394.05	393.70
0.078263	0	0	0	395.09	1.39	0.00	0.00
0.00	0	2	0	0.00	393.35	393.54	0
17	2	15	0	9.6	1.12	10.76	10
0.00	2.15	5.54	0.90	0.000	0.0	392.33	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 48.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 393.70
Station (m) = 1.1 2.2 5.3 8.3 8.6 10.8
Flow (%) = 1.1 10.5 87.1 0.0 1.2
Area (sq m) = 0.1 0.8 2.8 0.0 0.2
Vel (m/s) = 1.41 2.27 5.54 0.06 1.12
Depth (m) = 0.13 0.26 0.92 0.17 0.09

STATUS: Analyzing cross-section reach 47.000.

STATUS: (3280) For cross-section 47.00, ends have been extended vertically 0.23 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

47.000	0.050	0.040	0.050	2.28	393.28	393.68	0.00
0.131957	2	2	2	394.76	1.48	0.27	0.00
0.01	0	3	0	0.00	393.20	393.28	20
17	0	16	0	8.1	3.83	11.91	20
0.00	0.07	5.51	1.67	0.000	0.0	391.00	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 47.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 393.28
Station (m) = 3.8 4.4 8.0 11.9
Flow (%) = 0.0 95.6 4.4
Area (sq m) = 0.0 3.0 0.5
Vel (m/s) = 0.07 5.51 1.67
Depth (m) = 0.02 0.85 0.12

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PROJECT TITLE : Stato di fatto
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STATUS: Analyzing cross-section reach 46.000.

STATUS: (3280) For cross-section 46.00, ends have been extended vertically 0.24 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)				392.85			
Right Overbank Elevation (m, RBEL)				392.88			
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
46.000	0.050	0.040	0.000	1.48	392.88	393.20	0.00
0.110080	3	3	3	394.45	1.57	0.45	-0.07
0.02	0	3	0	0.00	392.85	392.88	20
17	0	17	0	4.6	3.77	8.36	16
0.00	0.07	5.55	0.00	0.000	0.0	391.40	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 46.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 392.88
Station (m) = 3.8 4.1 8.4
Flow (%) = 0.0 100.0
Area (sq m) = 0.0 3.2
Vel (m/s) = 0.07 5.55
Depth (m) = 0.01 0.73

STATUS: Analyzing cross-section reach 45.000.

STATUS: (3280) For cross-section 45.00, ends have been extended vertically 0.37 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

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WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 1.41

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 392.35
Right Overbank Elevation (m, RBEL) 391.48

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
45.000	0.000	0.040	0.050	0.94	391.69	392.12	0.00
0.219759	4	4	4	393.84	2.15	0.60	0.00
0.03	0	1	1	0.00	392.35	391.48	7
17	0	12	4	7.8	5.31	13.15	11
0.00	0.00	7.28	3.55	0.000	0.1	390.76	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 45.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 391.69

Station (m) =	5.3	8.4	10.4	10.7	11.6	13.1
Flow (%) =	73.5	9.5	0.0	5.7	11.2	
Area (sq m) =	1.8	0.5	0.1	0.3	0.5	
Vel (m/s) =	7.28	3.59	0.09	3.95	3.88	
Depth (m) =	0.57	0.24	0.26	0.27	0.33	

STATUS: Analyzing cross-section reach 44.000.

STATUS: (3280) For cross-section 44.00, ends have been extended vertically 0.59 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 391.37
Right Overbank Elevation (m, RBEL) 391.11

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
44.000	0.000	0.040	0.050	0.97	391.33	391.79	0.00
0.198365	3	3	3	393.20	1.87	0.65	0.00
0.04	0	1	1	0.00	391.37	391.11	7
17	0	10	6	6.4	4.52	10.93	14
0.00	0.00	6.87	4.43	0.000	0.1	390.36	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 44.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 391.33

Station (m) =	4.5	7.2	9.4	10.1	10.9	
Flow (%) =	61.8	18.2	9.2	10.8		
Area (sq m) =	1.6	0.7	0.3	0.5		
Vel (m/s) =	6.87	4.26	5.34	4.12		
Depth (m) =	0.59	0.33	0.46	0.53		

STATUS: Analyzing cross-section reach 43.000.

STATUS: (3280) For cross-section 43.00, ends have been extended vertically 0.72 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 391.24
Right Overbank Elevation (m, RBEL) 390.93

43.000	0.000	0.040	0.050	1.13	391.13	391.57	0.00
0.133672	3	3	3	392.67	1.53	0.53	0.00
0.06	0	1	1	0.00	391.24	390.93	5
17	0	11	5	6.4	3.88	10.25	17
0.00	0.00	6.16	3.74	0.000	0.1	390.00	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 43.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 391.13

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Station (m) =	3.9	6.5	7.5	10.0	10.3	
Flow (%) =	67.1	4.2	26.8	1.9		
Area (sq m) =	1.9	0.3	1.1	0.2		
Vel (m/s) =	6.16	2.78	4.19	2.14		
Depth (m) =	0.74	0.26	0.44	0.67		

STATUS: Analyzing cross-section reach 42.000.

STATUS: (3280) For cross-section 42.00, ends have been extended vertically 0.92 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS

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VOL Q TIME	ALOB QLOB VLOB	ACH QCH VCH	AROB QROB VROB	CORAR TOPWD WTN	LTBNK SSTA TWA	RTBNK ENDST ELMIN	ITRIAL IDC ICONT
42.000	0.050	0.040	0.050	1.04	390.81	391.22	0.00
0.121996	3	3	3	392.26	1.45	0.41	0.00
0.07	0	1	1	0.00	390.70	390.40	6
17	0	10	6	6.8	3.48	10.31	14
0.00	0.07	6.16	3.63	0.000	0.1	389.77	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 42.000
 Total Discharge (cms, Q) 17
 Computed Water Surface Elevation (m MSL, CWSEL) 390.81

Station (m) = 3.5 3.9 6.3 8.9 9.3 9.6
 Flow (%) = 0.0 0.0 61.7 21.9 3.3 4.1
 Area (sq m) = 0.0 0.0 1.8 1.0 0.2 0.2
 Vel (m/s) = 0.07 6.16 3.75 3.77 4.15
 Depth (m) = 0.03 0.72 0.39 0.40 0.51

Station (m) = 9.6 10.3
 Flow (%) = 0.0
 Area (sq m) = 0.5
 Vel (m/s) = 3.14
 Depth (m) = 0.75

STATUS: Analyzing cross-section reach 41.000.

STATUS: (3280) For cross-section 41.00, ends have been extended vertically 0.80 meters in order to calculate the hydraulic cross-section properties.

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 PROJECT TITLE : Stato di fatto
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SECNO SLOPE VOL Q TIME	XNL XLOBL QLOB VLOB	XNCH XLCH QCH VCH	XNR XLOBR QROB VROB	DEPTH EG CORAR TOPWD WTN	CWSEL HV LTBNK SSTA TWA	CRISW HL RTBNK ENDST ELMIN	WSELK OLOSS ITRIAL IDC ICONT
41.000	0.050	0.040	0.050	0.82	390.38	390.79	0.00
0.147835	3	3	3	391.84	1.47	0.42	0.00
0.08	0	1	2	0.00	390.27	389.95	6
17	0	7	9	7.5	2.07	9.62	11
0.00	0.08	5.98	4.82	0.000	0.2	389.55	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 41.000
 Total Discharge (cms, Q) 17
 Computed Water Surface Elevation (m MSL, CWSEL) 390.38

Station (m) = 2.1 3.6 5.9 6.4 9.4 9.6
 Flow (%) = 0.0 0.0 44.3 4.7 48.5 2.5
 Area (sq m) = 0.1 0.1 1.3 0.2 1.6 0.2
 Vel (m/s) = 0.08 5.98 4.30 5.10 2.37
 Depth (m) = 0.06 0.55 0.42 0.55 0.74

STATUS: Analyzing cross-section reach 40.000.

STATUS: (3280) For cross-section 40.00, ends have been extended vertically 0.80 meters in order to calculate the hydraulic cross-section properties.

40.000	0.050	0.040	0.050	0.70	389.97	390.36	0.00
0.152718	2	2	2	391.42	1.46	0.42	0.00
0.09	0	1	2	0.00	389.79	389.53	7
17	0	5	11	7.5	1.67	9.15	21
0.00	1.17	5.78	5.16	0.000	0.2	389.27	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 40.000
 Total Discharge (cms, Q) 17
 Computed Water Surface Elevation (m MSL, CWSEL) 389.97

Station (m) = 1.7 2.9 3.7 5.7 8.4 9.2
 Flow (%) = 0.0 0.0 1.3 33.3 50.3 15.0
 Area (sq m) = 0.1 0.1 0.1 1.0 1.6 0.6
 Vel (m/s) = 0.08 2.10 5.78 5.55 4.19
 Depth (m) = 0.08 0.14 0.49 0.60 0.79

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STATUS: Analyzing cross-section reach 39.000.

STATUS: (3280) For cross-section 39.00, ends have been extended vertically 0.71 meters in order to calculate the hydraulic cross-section properties.

SECNO SLOPE VOL Q TIME	XNL XLOBL QLOB VLOB	XNCH XLCH QCH VCH	XNR XLOBR QROB VROB	DEPTH EG CORAR TOPWD WTN	CWSEL HV LTBNK SSTA TWA	CRISW HL RTBNK ENDST ELMIN	WSELK OLOSS ITRIAL IDC ICONT
39.000	0.050	0.040	0.050	0.72	389.40	389.80	0.00
0.176897	2	2	2	390.96	1.56	0.40	0.00
0.10	0	1	2	0.00	389.17	389.17	7
17	0	7	9	7.4	2.79	10.22	17
0.00	0.08	6.29	4.87	0.000	0.2	388.68	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 39.000
 Total Discharge (cms, Q) 17
 Computed Water Surface Elevation (m MSL, CWSEL) 389.40

Station (m) = 2.8 3.7 3.8 6.2 8.1 9.3
 Flow (%) = 0.0 0.0 0.0 43.4 18.8 22.5
 Area (sq m) = 0.0 0.0 0.0 1.2 0.7 0.7
 Vel (m/s) = 0.08 0.08 6.29 4.40 5.83
 Depth (m) = 0.05 0.19 0.51 0.38 0.58

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Station (m) = 9.3 10.2
Flow (%) = 15.2
Area (sq m) = 0.6
Vel (m/s) = 4.37
Depth (m) = 0.67

STATUS: Analyzing cross-section reach 38.000.

STATUS: (3280) For cross-section 38.00, ends have been extended vertically 0.49 meters in order to calculate the hydraulic cross-section properties.

38.000	0.000	0.040	0.050	1.16	388.77	389.23	0.00
0.166768	3	3	3	390.43	1.66	0.53	0.00
0.11	0	1	1	0.00	388.78	388.70	5
17	0	12	5	7.2	4.16	11.33	28
0.00	0.00	6.38	3.81	0.000	0.2	387.61	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 38.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 388.77

Station (m) = 4.2 7.1 9.0 9.8 10.6 11.3
Flow (%) = 68.9 7.8 8.8 8.7 5.9
Area (sq m) = 1.9 0.4 0.3 0.3 0.3
Vel (m/s) = 6.38 3.05 4.47 4.57 3.34
Depth (m) = 0.65 0.23 0.41 0.42 0.45

STATUS: Analyzing cross-section reach 37.000.

STATUS: (3280) For cross-section 37.00, ends have been extended vertically 0.56 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 388.68
Right Overbank Elevation (m, RBEL) 388.25

SECNO	XLN	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
37.000	0.000	0.040	0.050	1.08	388.47	388.91	0.00
0.128414	2	2	2	390.05	1.58	0.38	0.00
0.12	0	2	1	0.00	388.68	388.25	6
17	0	13	4	6.9	3.78	10.68	18
0.00	0.00	6.16	3.23	0.000	0.2	387.39	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 37.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 388.47

Station (m) = 3.8 6.9 7.2 10.2 10.7
Flow (%) = 74.8 0.0 21.3 3.8
Area (sq m) = 2.1 0.1 1.1 0.2
Vel (m/s) = 6.16 0.07 3.54 2.75
Depth (m) = 0.69 0.20 0.35 0.53

STATUS: Analyzing cross-section reach 36.000.

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STATUS: (3280) For cross-section 36.00, ends have been extended vertically 0.58 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 388.39
Right Overbank Elevation (m, RBEL) 387.99

SECNO	XLN	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
36.000	0.000	0.040	0.050	1.25	388.08	388.50	0.00
0.131110	2	2	2	389.73	1.65	0.32	0.00
0.12	0	2	0	0.00	388.39	387.99	6
17	0	15	2	8.6	6.57	15.15	11
0.00	0.00	6.00	2.37	0.000	0.3	386.83	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 36.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 388.08

Station (m) = 6.6 10.5 12.5 13.0 13.5 15.2
Flow (%) = 88.4 1.0 0.0 0.0 10.5
Area (sq m) = 2.6 0.1 0.0 0.1 0.6
Vel (m/s) = 6.00 1.25 0.07 0.07 3.00
Depth (m) = 0.65 0.07 0.07 0.13 0.37

STATUS: Analyzing cross-section reach 35.000.

STATUS: (3280) For cross-section 35.00, ends have been extended vertically 0.38 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 387.81
Right Overbank Elevation (m, RBEL) 386.68

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTW	TWA	ELMIN	ICONT

35.000	0.000	0.040	0.050	1.05	387.16	387.65	0.00
0.188193	3	3	3	389.26	2.10	0.47	0.00
0.13	0	1	1	0.00	387.81	386.68	7
17	0	11	5	6.0	6.21	12.26	11
0.00	0.00	7.26	4.12	0.000	0.3	386.11	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 35.000
 Total Discharge (cms, Q) 17
 Computed Water Surface Elevation (m MSL, CWSEL) 387.16

Station (m) =	6.2	8.7	10.1	10.1	10.2	12.3
Flow (%) =	68.1	16.0	0.0	0.0	0.0	15.8
Area (sq m) =	1.6	0.6	0.0	0.0	0.0	0.7
Vel (m/s) =	7.26	4.86	0.09	0.09	0.09	3.86
Depth (m) =	0.66	0.42	0.35	0.33	0.35	

STATUS: Analyzing cross-section reach 34.000.

STATUS: (3280) For cross-section 34.00, ends have been extended vertically 0.20 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)		386.91	
		Right Overbank Elevation (m, RBEL)		385.97	
34.000	0.000	0.040	0.050	0.89	386.20
0.315732	3	3	3	388.48	2.28
0.14	0	1	1	0.00	386.90
17	0	9	7	8.3	7.66
0.00	0.00	7.95	4.74	0.000	0.3
					385.31
					386.64
					0.78
					385.97
					8
					15.99
					11
					0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 34.000
 Total Discharge (cms, Q) 17
 Computed Water Surface Elevation (m MSL, CWSEL) 386.20

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Station (m) = 7.7 10.0 12.3 13.5 14.9 15.8
Flow (%) = 54.7 14.6 9.2 14.3 7.1
Area (sq m) = 1.2 0.6 0.3 0.5 0.3
Vel (m/s) = 7.95 4.43 4.90 5.40 4.84
Depth (m) = 0.51 0.25 0.29 0.33 0.29

Station (m) = 15.8 16.0
Flow (%) = 0.0
Area (sq m) = 0.0
Vel (m/s) = 0.11
Depth (m) = 0.21

STATUS: Analyzing cross-section reach 33.000.

STATUS: (3280) For cross-section 33.00, ends have been extended vertically 0.41 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 386.09
Right Overbank Elevation (m, RBEL) 385.59

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
33.000	0.000	0.040	0.050	1.11	385.94	386.39	0.00
0.165002	2	2	2	387.94	2.00	0.54	0.00
0.15	0	1	1	0.00	386.09	385.59	6
17	0	13	4	5.9	4.97	10.92	17
0.00	0.00	6.90	3.80	0.000	0.3	384.83	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 33.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 385.94

Station (m) = 5.0 7.7 8.9 10.9
Flow (%) = 75.0 9.2 15.8
Area (sq m) = 1.9 0.4 0.7
Vel (m/s) = 6.90 3.96 3.71
Depth (m) = 0.69 0.34 0.37

STATUS: Analyzing cross-section reach 32.000.

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STATUS: (3280) For cross-section 32.00, ends have been extended vertically 0.29 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
32.000	0.050	0.040	0.050	1.04	385.46	385.89	0.00
0.170357	2	2	2	387.42	1.96	0.49	0.00
0.16	0	1	0	0.00	385.22	385.15	20
17	0	11	2	8.1	0.00	8.10	11
0.00	3.63	7.17	3.33	0.000	0.3	384.42	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 32.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 385.46

Station (m) = 0.0 0.7 1.3 1.8 2.9 5.2
Flow (%) = 5.0 3.5 3.4 6.1 67.1
Area (sq m) = 0.2 0.2 0.2 0.3 1.6
Vel (m/s) = 3.76 3.73 3.59 3.50 7.17
Depth (m) = 0.32 0.31 0.29 0.28 0.72

Station (m) = 5.2 5.5 6.9 8.1
Flow (%) = 2.1 7.6 5.3
Area (sq m) = 0.1 0.4 0.3
Vel (m/s) = 3.71 3.55 2.95
Depth (m) = 0.30 0.28 0.26

STATUS: Analyzing cross-section reach 31.000.

STATUS: (3280) For cross-section 31.00, ends have been extended vertically 0.21 meters in order to calculate the hydraulic cross-section properties.

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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 384.41
Right Overbank Elevation (m, RBEL) 384.99

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
31.000	0.050	0.040	0.000	1.26	384.77	385.26	0.00

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0.195847	3	3	3	386.81	2.04	0.61	0.00
0.17	1	1	0	0.00	384.41	384.99	6
0.17	5	11	0	5.9	0.00	5.92	14
0.00	4.32	7.08	0.00	0.000	0.4	383.51	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	31.000
Total Discharge (cms, Q)	17
Computed Water Surface Elevation (m MSL, CWSEL)	384.77

Station (m) =	0.0	0.5	1.1	2.2	3.0	3.8
Flow (%) =	2.1	3.8	9.5	8.2	8.4	
Area (sq m) =	0.1	0.2	0.4	0.3	0.3	
Vel (m/s) =	2.74	3.85	4.37	4.83	4.70	
Depth (m) =	0.24	0.29	0.35	0.40	0.39	

Station (m) =	3.8	6.2
Flow (%) =	68.1	
Area (sq m) =	1.7	
Vel (m/s) =	7.08	
Depth (m) =	0.78	

STATUS: Analyzing cross-section reach 30.000.

STATUS: (3280) For cross-section 30.00, ends have been extended vertically 0.13 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	383.75
Right Overbank Elevation (m, RBEL)	384.67

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
30.000	0.050	0.040	0.000	1.76	383.94	384.47	0.00
0.158202	3	3	3	386.22	2.28	0.59	0.00
0.18	0	2	0	0.00	383.76	384.67	6
17	0	16	0	5.3	0.00	5.32	11
0.00	1.67	6.86	0.00	0.000	0.4	382.18	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	30.000
Total Discharge (cms, Q)	17
Computed Water Surface Elevation (m MSL, CWSEL)	383.94

Station (m) =	0.0	0.9	1.4	1.9	3.3	5.6
Flow (%) =	1.8	0.0	0.0	3.5	94.7	
Area (sq m) =	0.1	0.1	0.1	0.2	2.4	
Vel (m/s) =	2.10	0.08	0.08	2.51	6.86	
Depth (m) =	0.16	0.18	0.17	0.18	1.17	

STATUS: Analyzing cross-section reach 29.000.

STATUS: (3280) For cross-section 29.00, ends have been extended vertically 0.25 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	383.28
Right Overbank Elevation (m, RBEL)	384.21

29.000	0.050	0.040	0.000	1.88	383.59	384.08	0.00
0.201992	3	3	3	385.65	2.07	0.56	0.00
0.19	0	1	0	0.00	383.28	384.20	7
17	3	13	0	5.1	0.00	5.05	15
0.00	3.81	6.91	0.00	0.000	0.4	381.71	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	29.000
Total Discharge (cms, Q)	17
Computed Water Surface Elevation (m MSL, CWSEL)	383.59

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Station (m) =	0.0	1.5	2.7	3.5	3.5	5.3
Flow (%) =	8.0	7.8	5.5	0.0	78.7	
Area (sq m) =	0.4	0.4	0.2	0.0	2.0	
Vel (m/s) =	3.66	3.83	4.00	4.00	6.91	
Depth (m) =	0.26	0.28	0.30	0.31	1.32	

STATUS: Analyzing cross-section reach 28.000.

STATUS: (3280) For cross-section 28.00, ends have been extended vertically 0.06 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	382.63
Right Overbank Elevation (m, RBEL)	383.72

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
28.000	0.050	0.040	0.000	2.01	382.87	383.42	0.00
0.151418	4	4	4	384.96	2.09	0.70	0.00
0.20	0	2	0	0.00	382.63	383.72	6
17	1	16	0	5.3	0.00	5.26	13
0.00	2.11	6.58	0.00	0.000	0.4	380.86	0

FLOW DISTRIBUTION :

COMUNE DI CAPRIE
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Cross-Section Number (SECNO) 28.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 382.87

Station (m) = 0.0 1.4 3.5 3.6 5.5
Flow (%) = 1.0 5.1 0.0 93.9
Area (sq m) = 0.1 0.4 0.0 2.5
Vel (m/s) = 1.48 2.45 0.08 6.58
Depth (m) = 0.09 0.18 0.24 1.47

STATUS: Analyzing cross-section reach 27.000.

STATUS: (3280) For cross-section 27.00, ends have been extended vertically 0.07 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

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WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 0.61

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
27.000	0.050	0.020	0.050	1.95	380.76	381.35	0.00
0.057063	16	16	16	383.54	2.78	1.42	0.00
0.25	0	2	0	0.00	380.63	380.58	5
17	0	16	1	7.6	0.44	8.04	11
0.00	0.05	7.62	1.15	0.000	0.5	378.80	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 27.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 380.76

Station (m) = 0.4 1.9 3.1 4.3 4.5 4.9
Flow (%) = 0.0 94.0 2.0 0.0 0.0
Area (sq m) = 0.1 2.2 0.2 0.0 0.1
Vel (m/s) = 0.05 7.62 1.55 0.05 0.05
Depth (m) = 0.07 1.77 0.19 0.19 0.20

Station (m) = 4.9 5.1 7.3 7.8 8.0
Flow (%) = 0.0 3.9 0.0 0.0
Area (sq m) = 0.0 0.4 0.1 0.0
Vel (m/s) = 0.05 1.62 0.05 0.05
Depth (m) = 0.21 0.20 0.14 0.08

STATUS: Analyzing cross-section reach 26.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 379.16
Right Overbank Elevation (m, RBEL) 379.20

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
26.000	0.000	0.020	0.000	1.90	379.04	380.01	0.00
0.078307	13	13	13	382.66	3.63	0.88	0.00
0.29	0	2	0	0.00	379.16	379.20	6
17	0	17	0	1.2	1.95	3.17	9
0.00	0.00	8.44	0.00	0.000	0.6	377.14	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 26.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 379.04

Station (m) = 2.0 3.2
Flow (%) = 100.0
Area (sq m) = 2.1
Vel (m/s) = 8.44
Depth (m) = 1.70

STATUS: Analyzing cross-section reach 25.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 377.51
Right Overbank Elevation (m, RBEL) 377.38

25.000 0.000 0.020 0.000 1.77 377.23 378.24 0.00
0.095148 13 13 13 381.51 4.29 1.15 0.00
0.31 0 1 0 0.00 377.51 377.38 6
17 0 17 0 1.2 2.21 3.42 9
0.00 0.00 9.18 0.00 0.000 0.6 375.46 0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 25.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 377.23

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Station (m) = 2.2 3.4
Flow (%) = 100.0
Area (sq m) = 1.9
Vel (m/s) = 9.18
Depth (m) = 1.57

STATUS: Analyzing cross-section reach 24.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 375.33
Right Overbank Elevation (m, RBEL) 375.27

SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
24.000	0.000	0.020	0.000	1.67	375.24	376.11	0.00
0.107149	15	15	15	379.99	4.76	1.52	0.00
0.34	0	1	0	0.00	375.33	375.27	6
17	0	17	0	1.2	1.63	2.85	13
0.00	0.00	9.67	0.00	0.000	0.6	373.56	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 24.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 375.24

Station (m) = 1.6 2.8
Flow (%) = 100.0
Area (sq m) = 1.8
Vel (m/s) = 9.67
Depth (m) = 1.49

STATUS: Analyzing cross-section reach 23.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 372.86
Right Overbank Elevation (m, RBEL) 372.81

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SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
23.000	0.000	0.020	0.000	1.63	372.70	373.64	0.00
0.115994	19	19	19	377.79	5.09	2.21	0.00
0.38	0	1	0	0.00	372.86	372.81	6
17	0	17	0	1.2	2.39	3.61	8
0.01	0.00	10.00	0.00	0.000	0.6	371.07	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 23.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 372.70

Station (m) = 2.4 3.6
Flow (%) = 100.0
Area (sq m) = 1.8
Vel (m/s) = 10.00
Depth (m) = 1.44

STATUS: Analyzing cross-section reach 22.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 370.14
Right Overbank Elevation (m, RBEL) 370.15

22.000	0.000	0.020	0.000	1.61	369.82	370.82	0.00
0.121154	22	22	22	375.10	5.28	2.69	0.00
0.41	0	1	0	0.00	370.14	370.15	6
17	0	17	0	1.2	0.98	2.20	14
0.01	0.00	10.18	0.00	0.000	0.7	368.21	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 22.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 369.82

Station (m) = 1.0 2.2
Flow (%) = 100.0
Area (sq m) = 1.7
Vel (m/s) = 10.18
Depth (m) = 1.41

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STATUS: Analyzing cross-section reach 21.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 368.56
Right Overbank Elevation (m, RBEL) 368.57

SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

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21.000	0.000	0.020	0.000	1.72	368.31	369.16	0.00
0.101472	20	20	20	372.84	4.53	2.25	0.00
0.45	0	1	0	0.00	368.56	368.57	6
17	0	17	0	1.2	5.95	7.17	14
0.01	0.00	9.44	0.00	0.000	0.7	366.59	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 21.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 368.31

Station (m) = 6.0 7.2
Flow (%) = 100.0
Area (sq m) = 1.9
Vel (m/s) = 9.44
Depth (m) = 1.52

STATUS: Analyzing cross-section reach 20.000.

STATUS: (3280) For cross-section 20.00, ends have been extended vertically 0.79 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 367.12
Right Overbank Elevation (m, RBEL) 367.19

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOB	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
20.000	0.000	0.020	0.000	1.64	367.12	367.24	0.00
0.111602	17	17	17	372.10	4.97	1.82	0.00
0.48	0	1	0	0.00	367.12	367.09	20
17	0	17	0	1.2	6.69	7.91	8
0.01	0.00	9.89	0.00	0.000	0.7	365.48	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 20.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 367.12

Station (m) = 6.7 7.9
Flow (%) = 100.0
Area (sq m) = 1.8
Vel (m/s) = 9.89
Depth (m) = 1.45

STATUS: Analyzing cross-section reach 19.000.

STATUS: (3265) Divided flow.

STATUS: (3280) For cross-section 19.00, ends have been extended vertically 0.25 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 365.57
Right Overbank Elevation (m, RBEL) 365.60

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOB	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
19.000	0.050	0.020	0.000	1.53	365.57	366.05	0.00
0.080620	22	22	22	368.30	2.73	2.08	-0.71
0.54	1	1	0	0.00	365.57	365.60	20
17	4	13	0	8.0	0.00	8.58	11
0.01	2.27	8.24	0.00	0.000	0.8	364.04	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 19.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 365.57

Station (m) = 0.0 3.2 3.4 3.6 5.8 7.4
Flow (%) = 12.5 0.0 0.0 10.4 0.0
Area (sq m) = 0.9 0.1 0.1 0.7 0.0
Vel (m/s) = 2.36 0.06 0.06 2.61 0.06
Depth (m) = 0.29 0.33 0.33 0.31 0.00

Station (m) = 7.4 8.6
Flow (%) = 77.1
Area (sq m) = 1.6
Vel (m/s) = 8.24
Depth (m) = 1.34

STATUS: Analyzing cross-section reach 18.000.

STATUS: (3265) Divided flow.

STATUS: (3280) For cross-section 18.00, ends have been extended vertically 0.76 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

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WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
18.000	0.050	0.020	0.050	1.77	364.77	365.19	0.00
0.044437	15	15	15	366.34	1.57	0.93	0.79
0.60	0	1	1	0.00	364.69	364.76	20
17	0	12	4	10.0	0.04	11.92	11
0.01	0.59	6.38	2.77	0.000	1.0	363.00	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 18.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 364.77

Station (m) =	0.0	4.1	5.3	6.5	10.8	11.9
Flow (%) =	1.4	0.0	70.4	16.9	11.3	
Area (sq m) =	0.3	0.1	1.9	1.0	0.8	
Vel (m/s) =	0.75	0.04	6.38	3.04	2.44	
Depth (m) =	0.08	0.08	1.58	0.22	0.75	

STATUS: Analyzing cross-section reach 17.000.

STATUS: (3265) Divided flow.

STATUS: (3280) For cross-section 17.00, ends have been extended vertically 0.71 meters in order to calculate the hydraulic cross-section properties.

17.000	0.050	0.020	0.050	1.91	363.89	364.30	0.00
0.042114	15	15	15	365.67	1.78	0.67	0.00
0.67	1	2	0	0.00	363.72	363.67	6
17	2	13	1	12.2	0.18	12.60	8
0.01	1.30	6.60	1.71	0.000	1.1	361.99	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 17.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 363.89

Station (m) =	0.2	5.5	9.6	10.8	12.6
Flow (%) =	8.3	4.8	78.9	8.0	
Area (sq m) =	1.1	0.7	2.1	0.8	
Vel (m/s) =	1.37	1.19	6.60	1.71	
Depth (m) =	0.20	0.17	1.71	0.46	

STATUS: Analyzing cross-section reach 16.000.

STATUS: (3280) For cross-section 16.00, ends have been extended vertically 0.33 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
16.000	0.050	0.020	0.050	1.63	363.12	363.53	0.00
0.053968	11	11	11	365.12	2.00	0.55	0.00
0.72	2	1	0	0.00	362.93	363.04	7
17	4	12	0	12.6	0.00	12.63	8
0.01	1.94	7.19	0.92	0.000	1.3	361.49	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 16.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 363.12

Station (m) =	0.0	0.6	1.4	7.0	7.3	7.4
Flow (%) =	2.1	3.4	18.5	0.0	0.0	
Area (sq m) =	0.2	0.3	1.6	0.1	0.0	
Vel (m/s) =	1.69	2.31	2.01	0.05	0.05	
Depth (m) =	0.33	0.35	0.29	0.20	0.19	

Station (m) =	7.4	8.6	10.2	12.6
Flow (%) =	74.2	0.6	1.3	
Area (sq m) =	1.8	0.1	0.2	
Vel (m/s) =	7.19	0.88	0.95	
Depth (m) =	1.48	0.08	0.10	

STATUS: Analyzing cross-section reach 15.000.

STATUS: (3280) For cross-section 15.00, ends have been extended vertically 0.36 meters in order to calculate the hydraulic cross-section properties.

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
15.000	0.050	0.020	0.050	1.74	362.53	362.90	0.00
0.038074	21	21	21	364.16	1.63	0.95	0.00
0.82	1	1	1	0.00	362.08	362.24	7
17	2	12	2	11.9	0.00	11.91	14
0.01	1.94	6.63	1.46	0.000	1.5	360.79	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 15.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 362.53

Station (m) = 0.0 1.5 2.5 3.2 4.4 6.2
Flow (%) = 5.5 4.9 3.7 70.9 5.3
Area (sq m) = 0.6 0.4 0.3 1.9 0.5
Vel (m/s) = 1.73 1.98 2.31 6.63 1.72
Depth (m) = 0.37 0.42 0.45 1.53 0.29

Station (m) = 6.2 9.4 11.9
Flow (%) = 7.1 2.6
Area (sq m) = 0.8 0.5
Vel (m/s) = 1.54 1.00
Depth (m) = 0.25 0.19

STATUS: Analyzing cross-section reach 14.000.

STATUS: (3280) For cross-section 14.00, ends have been extended vertically 0.31 meters in order to calculate the hydraulic cross-section properties.

14.000	0.050	0.020	0.050	1.86	362.21	362.61	0.00
0.030990	14	14	14	363.67	1.46	0.49	0.00
0.89	0	2	2	0.00	361.70	361.82	7
17	1	12	3	9.2	0.00	9.16	11
0.01	1.51	6.21	1.76	0.000	1.7	360.36	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 14.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 362.21

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Station (m) = 0.0 1.3 1.5 2.2 3.4 4.9
Flow (%) = 2.2 0.0 4.3 72.3 6.7
Area (sq m) = 0.3 0.1 0.3 2.0 0.6
Vel (m/s) = 1.24 0.04 2.26 6.21 1.91
Depth (m) = 0.25 0.43 0.51 1.67 0.40

Station (m) = 4.9 7.9 8.3 9.2
Flow (%) = 11.6 1.1 1.7
Area (sq m) = 1.1 0.1 0.3
Vel (m/s) = 1.82 1.71 1.17
Depth (m) = 0.37 0.34 0.30

STATUS: Analyzing cross-section reach 13.000.

STATUS: (3280) For cross-section 13.00, ends have been extended vertically 0.38 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
13.000	0.050	0.020	0.050	1.70	361.72	362.13	0.00
0.036793	11	11	11	363.30	1.57	0.37	0.00
0.94	0	1	2	0.00	361.33	361.35	7
17	1	12	3	9.0	0.00	8.98	11
0.01	1.78	6.56	1.88	0.000	1.8	360.02	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 13.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 361.72

Station (m) = 0.0 0.8 1.2 1.5 2.2 2.3
Flow (%) = 2.6 1.9 1.4 2.9 0.0
Area (sq m) = 0.3 0.2 0.1 0.2 0.0
Vel (m/s) = 1.54 2.00 2.01 2.06 0.04
Depth (m) = 0.38 0.38 0.38 0.39 0.40

Station (m) = 2.3 3.5 7.2 9.0
Flow (%) = 69.4 15.4 6.3
Area (sq m) = 1.9 1.4 0.6
Vel (m/s) = 6.56 1.95 1.72
Depth (m) = 1.52 0.37 0.36

STATUS: Analyzing cross-section reach 12.000.

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STATUS: (3280) For cross-section 12.00, ends have been extended vertically 0.60 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
12.000	0.050	0.020	0.050	1.83	361.73	362.14	0.00
0.037862	4	4	4	363.13	1.40	0.17	0.00
0.96	0	1	1	0.00	361.26	361.29	8

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17	1	11	4	6.8	0.00	6.85	11
0.01	1.68	6.20	2.33	0.000	1.8	359.90	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 12.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 361.73

Station (m) =	0.0	1.8	1.8	2.9	4.0	5.4
Flow (%) =	6.5	0.0	67.3	6.0	9.2	
Area (sq m) =	0.6	0.0	1.9	0.5	0.7	
Vel (m/s) =	1.76	0.04	6.20	2.22	2.36	
Depth (m) =	0.37	0.46	1.78	0.43	0.47	

Station (m) =	5.4	6.5	6.8
Flow (%) =	9.7	1.3	
Area (sq m) =	0.6	0.2	
Vel (m/s) =	2.66	1.32	
Depth (m) =	0.57	0.60	

STATUS: Analyzing cross-section reach 11.000.

STATUS: (3280) For cross-section 11.00, ends have been extended vertically 1.60 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3693) It is probable that critical depth has been crossed.

WARNING: (3720) Critical depth has been assumed.

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
11.000	0.050	0.020	0.050	2.81	362.09	362.09	0.00
0.009954	15	15	15	363.36	1.27	0.26	0.17
1.03	0	3	0	0.00	360.49	360.49	20
17	0	16	0	1.8	0.28	2.09	11
0.01	0.50	5.14	1.28	0.000	1.9	359.28	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 11.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 362.09

Station (m) =	0.3	0.4	1.6	1.7	2.1
Flow (%) =	0.6	94.1	2.5	2.8	
Area (sq m) =	0.2	3.2	0.2	0.6	
Vel (m/s) =	0.50	5.14	2.74	0.88	
Depth (m) =	1.60	2.62	1.61	1.59	

STATUS: Analyzing cross-section reach 10.000.

STATUS: (3280) For cross-section 10.00, ends have been extended vertically 0.94 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	360.10					
	Right Overbank Elevation (m, RBEL)	360.17					
10.000	0.050	0.020	0.000	1.38	360.11	360.50	0.00
0.046041	14	14	14	361.77	1.66	0.28	0.07
1.09	1	1	0	0.00	359.76	360.17	20
17	5	12	0	3.6	0.24	3.88	21
0.01	2.86	6.60	0.00	0.000	1.9	358.73	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 10.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 360.11

Station (m) =	0.2	2.0	2.2	2.4	2.4	3.9
Flow (%) =	29.3	1.7	0.0	0.0	69.0	
Area (sq m) =	1.7	0.2	0.1	0.0	1.8	
Vel (m/s) =	3.09	1.67	0.04	0.04	6.60	
Depth (m) =	0.93	0.93	0.40	0.35	1.21	

STATUS: Analyzing cross-section reach 9.000.

STATUS: (3280) For cross-section 9.00, ends have been extended vertically 1.03 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	360.00					
	Right Overbank Elevation (m, RBEL)	360.08					
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC

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TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
9.000	0.050	0.020	0.000	1.32	360.00	360.18	0.00
0.037746	4	4	4	361.22	1.22	0.18	-0.07
1.11	2	1	0	0.00	359.70	360.08	20
17	7	10	0	3.9	0.00	3.95	8
0.01	3.00	5.88	0.00	0.000	1.9	358.68	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 9.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 360.00

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Station (m) = 0.0 2.2 2.3 2.4 4.0
Flow (%) = 41.3 0.0 0.0 58.7
Area (sq m) = 2.3 0.1 0.0 1.7
Vel (m/s) = 3.11 0.04 0.04 5.88
Depth (m) = 1.05 0.69 0.30 1.14

STATUS: Analyzing cross-section reach 8.000.

STATUS: (3280) For cross-section 8.00, ends have been extended vertically 0.86 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

8.000	0.050	0.020	0.000	1.11	359.72	360.01	0.00
0.045053	3	3	3	360.87	1.15	0.16	0.00
1.12	2	1	0	0.00	359.67	359.79	20
17	8	8	0	4.9	0.00	4.89	8
0.02	3.30	5.87	0.00	0.000	2.0	358.61	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 8.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 359.72

Station (m) = 0.0 1.0 2.9 3.1 3.3 5.0
Flow (%) = 12.8 34.4 3.3 0.0 49.5
Area (sq m) = 0.9 1.6 0.2 0.0 1.5
Vel (m/s) = 2.55 3.79 2.97 0.04 5.87
Depth (m) = 0.85 0.84 0.84 0.09 0.95

STATUS: Analyzing cross-section reach 7.000.

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STATUS: (3280) For cross-section 7.00, ends have been extended vertically 0.87 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

7.000	0.050	0.020	0.000	1.12	359.71	360.01	0.00
0.035777	1	1	1	360.83	1.11	0.04	0.00
1.13	2	1	0	0.00	359.66	359.77	4
17	7	10	0	5.1	0.00	5.08	16
0.02	2.72	5.66	0.00	0.000	2.0	358.59	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 7.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 359.71

Station (m) = 0.0 0.4 3.1 3.2 5.1
Flow (%) = 2.8 38.5 0.0 58.7
Area (sq m) = 0.3 2.3 0.0 1.8
Vel (m/s) = 1.53 2.90 0.04 5.66
Depth (m) = 0.87 0.86 0.12 0.99

STATUS: Analyzing cross-section reach 6.000.

STATUS: (3280) For cross-section 6.00, ends have been extended vertically 0.85 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	359.55
Right Overbank Elevation (m, RBEL)	359.68

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
6.000	0.050	0.020	0.000	1.11	359.61	359.88	0.00
0.034472	4	4	4	360.65	1.04	0.17	0.00
1.15	2	1	0	0.00	359.55	359.68	13
17	7	9	0	5.2	0.00	5.22	11
0.02	2.72	5.52	0.00	0.000	2.0	358.50	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 6.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 359.61

Station (m) = 0.0 2.1 3.2 3.4 5.2
Flow (%) = 27.1 16.1 0.0 56.7
Area (sq m) = 1.8 1.0 0.0 1.8
Vel (m/s) = 2.67 2.87 0.04 5.52
Depth (m) = 0.86 0.87 0.10 0.97

STATUS: Analyzing cross-section reach 5.000.

STATUS: (3280) For cross-section 5.00, ends have been extended vertically 0.82 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)						359.44
	Right Overbank Elevation (m, RBEL)						359.57
5.000	0.050	0.020	0.000	1.09	359.50	359.64	0.00
0.030152	5	5	5	360.39	0.89	0.16	0.00
1.17	3	1	0	0.00	359.44	359.57	20
17	8	9	0	5.7	0.00	5.67	11
0.02	2.67	5.17	0.00	0.000	2.0	358.41	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 5.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 359.50

Station (m) = 0.0 2.0 3.6 3.8 5.7
Flow (%) = 23.7 23.4 0.0 52.8
Area (sq m) = 1.7 1.4 0.0 1.8
Vel (m/s) = 2.46 2.96 0.03 5.17
Depth (m) = 0.84 0.86 0.10 0.96

STATUS: Analyzing cross-section reach 4.000.

STATUS: (3280) For cross-section 4.00, ends have been extended vertically 0.94 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)						359.32
	Right Overbank Elevation (m, RBEL)						359.54
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
4.000	0.050	0.020	0.000	1.23	359.54	359.56	0.00
0.023807	5	5	5	360.39	0.86	0.16	0.00
1.20	3	2	0	0.00	359.32	359.44	20
17	7	10	0	5.4	0.23	5.67	9
0.02	2.36	5.01	0.00	0.000	2.1	358.30	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 4.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 359.54

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Station (m) = 0.2 3.5 3.6 3.8 5.7
Flow (%) = 41.7 0.7 0.0 57.6
Area (sq m) = 3.0 0.1 0.0 2.0
Vel (m/s) = 2.46 0.90 0.03 5.01
Depth (m) = 0.92 0.90 0.25 1.06

STATUS: Analyzing cross-section reach 3.000.

STATUS: (3280) For cross-section 3.00, ends have been extended vertically 0.77 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
3.000	0.050	0.020	0.050	1.09	359.33	359.50	0.00
0.029089	3	3	3	360.01	0.68	0.10	0.13
1.22	2	1	2	0.00	359.25	359.25	20
17	5	7	4	8.0	0.34	8.32	5
0.02	2.43	4.96	2.13	0.000	2.1	358.24	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 3.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 359.33

Station (m) = 0.3 1.4 2.7 3.3 3.5 4.9
Flow (%) = 8.7 16.7 6.5 0.0 41.9
Area (sq m) = 0.8 1.0 0.5 0.0 1.5
Vel (m/s) = 1.96 2.88 2.35 0.03 4.96
Depth (m) = 0.77 0.78 0.72 0.10 1.06

Station (m) = 4.9 5.9 8.3
Flow (%) = 6.2 20.1
Area (sq m) = 0.6 1.6
Vel (m/s) = 1.95 2.20
Depth (m) = 0.54 0.67

STATUS: Analyzing cross-section reach 2.000.

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STATUS: (3280) For cross-section 2.00, ends have been extended vertically 0.97 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3693) It is probable that critical depth has been crossed.

WARNING: (3720) Critical depth has been assumed.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
2.000	0.050	0.020	0.050	1.61	359.51	359.51	0.00
0.006776	1	1	1	360.01	0.50	0.01	0.00
1.23	2	2	2	0.00	358.86	358.58	20
17	3	10	3	7.8	0.13	7.92	14
0.02	1.34	3.88	1.28	0.000	2.1	357.90	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 2.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 359.51

Station (m) = 0.1 0.5 1.0 2.1 3.0 4.8
Flow (%) = 1.4 4.3 7.8 4.9 61.0
Area (sq m) = 0.4 0.5 0.9 0.7 2.8
Vel (m/s) = 0.69 1.61 1.48 1.30 3.88
Depth (m) = 0.97 0.97 0.87 0.71 1.48

Station (m) = 4.8 4.8 7.9
Flow (%) = 0.0 20.5
Area (sq m) = 0.0 2.8
Vel (m/s) = 1.30 1.28
Depth (m) = 0.92 0.92

STATUS: Analyzing cross-section reach 1.000.

STATUS: (3280) For cross-section 1.00, ends have been extended vertically 0.54 meters in order to calculate the hydraulic cross-section properties.

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WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 3.20

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
1.000	0.050	0.040	0.050	1.28	358.99	359.27	0.00
0.069314	6	6	6	359.91	0.92	0.11	0.00
1.27	0	1	1	0.00	358.85	358.30	7
17	1	9	6	7.8	0.19	7.95	8
0.02	2.19	4.92	3.56	0.000	2.1	357.70	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 1.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 358.99

Station (m) = 0.2 2.9 5.1 7.5 7.9
Flow (%) = 11.0 54.1 31.6 3.3
Area (sq m) = 0.9 1.9 1.4 0.3
Vel (m/s) = 2.19 4.92 3.82 2.14
Depth (m) = 0.32 0.89 0.62 0.54

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T2 Stato di fatto
T3 201380e.dwg

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

JOB PARAMETERS :

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		4		1		1		16	393.65	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3		-1				0	-6		15

STATUS: Analyzing profile 3.

STATUS: Analyzing cross-section reach 48.000.

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
48.000	0.050	0.040	0.050	1.32	393.65	394.03	393.65
0.085910	0	0	0	395.11	1.46	0.00	0.00
0.00	0	2	0	0.00	393.35	393.54	0
16	1	14	0	8.9	1.22	10.16	10
0.00	1.83	5.59	0.71	0.000	0.0	392.33	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 48.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 393.65

Station (m) = 1.2 2.2 5.3 8.3 8.6 10.2
Flow (%) = 0.0 0.0 8.4 90.9 0.0 0.6
Area (sq m) = 0.1 0.7 2.6 0.0 0.1
Vel (m/s) = 0.06 2.06 5.59 0.06 0.94
Depth (m) = 0.09 0.21 0.87 0.12 0.06

STATUS: Analyzing cross-section reach 47.000.

STATUS: (3280) For cross-section 47.00, ends have been extended vertically 0.19 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 393.20							
Right Overbank Elevation (m, RBEL) 393.28							
47.000	0.000	0.040	0.000	2.23	393.23	393.63	0.00
0.144472	2	2	2	394.81	1.58	0.30	0.00
0.01	0	2	0	0.00	393.20	393.28	8
16	0	15	0	3.6	4.35	7.97	20
0.00	0.08	5.58	0.00	0.000	0.0	391.00	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 47.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 393.23

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Station (m) = 4.4 4.4 8.0
Flow (%) = 0.0 100.0
Area (sq m) = 0.0 2.9
Vel (m/s) = 0.08 5.58
Depth (m) = 0.02 0.81

STATUS: Analyzing cross-section reach 46.000.

STATUS: (3280) For cross-section 46.00, ends have been extended vertically 0.19 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 392.85							
Right Overbank Elevation (m, RBEL) 392.88							
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
46.000	0.000	0.040	0.000	1.43	392.83	393.18	0.00
0.113658	3	3	3	394.34	1.51	0.47	0.00
0.02	0	2	0	0.00	392.85	392.88	7
16	0	15	0	4.2	4.13	8.35	14
0.00	0.00	5.45	0.00	0.000	0.0	391.40	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 46.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 392.83

Station (m) = 4.1 8.4
Flow (%) = 100.0
Area (sq m) = 2.9
Vel (m/s) = 5.45
Depth (m) = 0.69

STATUS: Analyzing cross-section reach 45.000.

STATUS: (3280) For cross-section 45.00, ends have been extended vertically 0.34 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

42.000	0.050	0.040	0.050	1.01	390.78	391.20	0.00
0.122856	3	3	3	392.15	1.37	0.41	0.00
0.06	0	1	1	0.00	390.70	390.40	6
16	0	10	5	6.5	3.82	10.31	11
0.00	0.07	5.99	3.47	0.000	0.1	389.77	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 42.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 390.78

Station (m) =	3.8	3.9	6.3	8.9	9.3	9.6
Flow (%) =	0.0	62.7	20.9	3.1	4.0	
Area (sq m) =	0.0	1.7	0.9	0.1	0.2	
Vel (m/s) =	0.07	5.99	3.56	3.58	3.99	
Depth (m) =	0.04	0.69	0.36	0.37	0.47	

Station (m) =	9.6	10.3
Flow (%) =	9.3	
Area (sq m) =	0.5	
Vel (m/s) =	3.10	
Depth (m) =	0.72	

STATUS: Analyzing cross-section reach 41.000.

STATUS: (3280) For cross-section 41.00, ends have been extended vertically 0.76 meters in order to calculate the hydraulic cross-section properties.

41.000	0.050	0.040	0.050	0.79	390.34	390.73	0.00
0.152567	3	3	3	391.73	1.39	0.42	0.00
0.07	0	1	1	0.00	390.27	389.95	5
16	0	7	8	7.1	2.48	9.62	8
0.00	0.08	5.83	4.70	0.000	0.1	389.55	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 41.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 390.34

Station (m) =	2.5	3.6	5.9	6.4	9.4	9.6
Flow (%) =	0.0	44.3	4.5	48.5	2.6	
Area (sq m) =	0.0	1.2	0.2	1.5	0.2	
Vel (m/s) =	0.08	5.83	4.14	5.02	2.38	
Depth (m) =	0.04	0.52	0.39	0.52	0.71	

STATUS: Analyzing cross-section reach 40.000.

STATUS: (3280) For cross-section 40.00, ends have been extended vertically 0.77 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

40.000	0.050	0.040	0.050	0.65	389.92	390.32	0.00
0.152049	2	2	2	391.30	1.38	0.43	0.00
0.08	0	0	2	0.00	389.79	389.53	6
16	0	5	10	7.4	1.71	9.15	14
0.00	0.08	5.56	5.02	0.000	0.2	389.27	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 40.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 389.92

Station (m) =	1.7	2.9	3.7	5.7	8.4	9.2
Flow (%) =	0.0	0.0	33.2	51.0	15.6	
Area (sq m) =	0.1	0.1	1.0	1.5	0.6	
Vel (m/s) =	0.08	0.08	5.56	5.38	4.14	
Depth (m) =	0.05	0.11	0.46	0.58	0.76	

STATUS: Analyzing cross-section reach 39.000.

STATUS: (3280) For cross-section 39.00, ends have been extended vertically 0.68 meters in order to calculate the hydraulic cross-section properties.

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

39.000	0.050	0.040	0.050	0.69	389.37	389.75	0.00
0.180086	2	2	2	390.84	1.47	0.46	0.00
0.09	0	1	1	0.00	389.17	389.17	7
16	0	6	9	7.1	3.16	10.22	14
0.00	0.08	6.10	4.74	0.000	0.2	388.68	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 39.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 389.37

Station (m) =	3.2	3.7	3.8	6.2	8.1	9.3
Flow (%) =	0.0	0.0	43.3	18.1	22.7	
Area (sq m) =	0.0	0.0	1.1	0.7	0.6	
Vel (m/s) =	0.08	0.08	6.10	4.21	5.68	
Depth (m) =	0.04	0.16	0.48	0.35	0.55	

Station (m) =	9.3	10.2
Flow (%) =	15.8	
Area (sq m) =	0.6	
Vel (m/s) =	4.33	

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Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

Depth (m) = 0.64

STATUS: Analyzing cross-section reach 38.000.

STATUS: (3280) For cross-section 38.00, ends have been extended vertically 0.47 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	388.78
Right Overbank Elevation (m, RBEL)	388.70

38.000	0.000	0.040	0.050	1.14	388.75	389.18	0.00
0.162030	3	3	3	390.31	1.56	0.53	0.00
0.10	0	1	1	0.00	388.78	388.70	5
16	0	11	4	7.1	4.21	11.33	17
0.00	0.00	6.18	3.60	0.000	0.2	387.61	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 38.000

Total Discharge (cms, Q) 16

Computed Water Surface Elevation (m MSL, CWSEL) 388.75

Station (m) =	4.2	7.1	9.0	9.8	10.6	11.3
Flow (%) =	70.2	7.0	8.5	8.5	5.9	
Area (sq m) =	1.8	0.4	0.3	0.3	0.3	
Vel (m/s) =	6.18	2.79	4.23	4.33	3.22	
Depth (m) =	0.63	0.21	0.38	0.39	0.43	

STATUS: Analyzing cross-section reach 37.000.

STATUS: (3280) For cross-section 37.00, ends have been extended vertically 0.53 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	388.68
Right Overbank Elevation (m, RBEL)	388.25

SECNO	XLN	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

37.000	0.000	0.040	0.050	1.05	388.44	388.86	0.00
0.126739	2	2	2	389.94	1.50	0.37	0.00
0.11	0	2	1	0.00	388.68	388.25	6
16	0	12	3	6.9	3.80	10.68	11
0.00	0.00	5.98	3.05	0.000	0.2	387.39	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 37.000

Total Discharge (cms, Q) 16

Computed Water Surface Elevation (m MSL, CWSEL) 388.44

Station (m) =	3.8	6.9	7.2	10.2	10.7
Flow (%) =	76.1	0.0	20.0	3.8	
Area (sq m) =	2.0	0.1	1.0	0.2	
Vel (m/s) =	5.98	0.07	3.31	2.68	
Depth (m) =	0.66	0.17	0.32	0.50	

STATUS: Analyzing cross-section reach 36.000.

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STATUS: (3280) For cross-section 36.00, ends have been extended vertically 0.55 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	388.39
Right Overbank Elevation (m, RBEL)	387.99

SECNO	XLN	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

36.000	0.000	0.040	0.050	1.22	388.05	388.44	0.00
0.129755	2	2	2	389.63	1.58	0.32	0.00
0.11	0	2	0	0.00	388.39	387.99	6
16	0	14	1	8.6	6.60	15.15	14
0.00	0.00	5.82	2.26	0.000	0.2	386.83	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 36.000

Total Discharge (cms, Q) 16

Computed Water Surface Elevation (m MSL, CWSEL) 388.05

Station (m) =	6.6	10.5	12.5	13.0	13.5	15.2
Flow (%) =	89.8	0.0	0.0	0.0	0.0	10.1
Area (sq m) =	2.5	0.1	0.0	0.0	0.0	0.6
Vel (m/s) =	5.82	0.07	0.07	0.07	2.85	
Depth (m) =	0.63	0.04	0.05	0.10	0.34	

STATUS: Analyzing cross-section reach 35.000.

STATUS: (3280) For cross-section 35.00, ends have been extended vertically 0.35 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	387.81
Right Overbank Elevation (m, RBEL)	386.68

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
35.000	0.000	0.040	0.050	1.02	387.13	387.59	0.00
0.188623	3	3	3	389.16	2.03	0.47	0.00
0.12	0	1	1	0.00	387.81	386.68	7
16	0	11	4	6.0	6.25	12.26	11
0.00	0.00	7.12	3.92	0.000	0.3	386.11	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 35.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 387.13
Station (m) = 6.3 8.7 10.1 10.1 10.2 12.3
Flow (%) = 69.6 15.4 0.0 0.0 0.0 14.9
Area (sq m) = 1.6 0.5 0.0 0.0 0.7
Vel (m/s) = 7.12 4.61 0.09 0.09 3.67
Depth (m) = 0.64 0.39 0.32 0.30 0.32

STATUS: Analyzing cross-section reach 34.000.

STATUS: (3280) For cross-section 34.00, ends have been extended vertically 0.17 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)		386.91				
	Right Overbank Elevation (m, RBEL)		385.97				
34.000	0.000	0.040	0.050	0.87	386.18	386.60	0.00
0.315343	3	3	3	388.38	2.20	0.78	0.00
0.13	0	1	1	0.00	386.90	385.97	8
16	0	9	6	8.3	7.69	15.99	11
0.00	0.00	7.80	4.52	0.000	0.3	385.31	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 34.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 386.18

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Station (m) = 7.7 10.0 12.3 13.5 14.9 15.8
Flow (%) = 56.3 13.8 8.9 14.1 6.8
Area (sq m) = 1.2 0.5 0.3 0.4 0.2
Vel (m/s) = 7.00 4.18 4.66 5.17 4.61
Depth (m) = 0.50 0.23 0.27 0.31 0.27
Station (m) = 15.8 16.0
Flow (%) = 0.0
Area (sq m) = 0.0
Vel (m/s) = 0.11
Depth (m) = 0.19

STATUS: Analyzing cross-section reach 33.000.

STATUS: (3280) For cross-section 33.00, ends have been extended vertically 0.37 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)		386.09				
	Right Overbank Elevation (m, RBEL)		385.59				
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
33.000	0.000	0.040	0.050	1.07	385.90	386.35	0.00
0.165087	2	2	2	387.84	1.93	0.54	0.00
0.14	0	1	1	0.00	386.09	385.59	6
16	0	12	3	5.9	5.02	10.92	14
0.00	0.00	6.75	3.59	0.000	0.3	384.83	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 33.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 385.90
Station (m) = 5.0 7.7 8.9 10.9
Flow (%) = 76.5 8.5 14.9
Area (sq m) = 1.8 0.4 0.7
Vel (m/s) = 6.75 3.70 3.53
Depth (m) = 0.67 0.31 0.34

STATUS: Analyzing cross-section reach 32.000.

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STATUS: (3280) For cross-section 32.00, ends have been extended vertically 0.27 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

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32.000	0.050	0.040	0.050	1.02	385.44	385.85	0.00
0.169530	2	2	2	387.35	1.91	0.49	0.00
0.15	0	1	0	0.00	385.22	385.15	7
16	2	11	1	8.1	0.00	8.10	11
0.00	3.47	7.02	2.73	0.000	0.3	384.42	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 32.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 385.44

Station (m) =	0.0	0.7	1.3	1.8	2.9	5.2
Flow (%) =	4.9	3.4	3.3	5.9	70.0	
Area (sq m) =	0.2	0.2	0.2	0.3	1.6	
Vel (m/s) =	3.60	3.57	3.43	3.33	7.02	
Depth (m) =	0.30	0.29	0.27	0.26	0.70	

Station (m) =	5.2	5.5	6.9	8.1		
Flow (%) =	0.0	7.3	5.1			
Area (sq m) =	0.1	0.3	0.3			
Vel (m/s) =	0.08	3.38	2.81			
Depth (m) =	0.28	0.26	0.24			

STATUS: Analyzing cross-section reach 31.000.

STATUS: (3280) For cross-section 31.00, ends have been extended vertically 0.18 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	384.41
Right Overbank Elevation (m, RBEL)	384.99

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

31.000	0.050	0.040	0.000	1.22	384.73	385.20	0.00
0.199119	3	3	3	386.73	2.00	0.61	0.00
0.16	1	1	0	0.00	384.41	384.99	6
16	4	11	0	5.9	0.00	5.89	17
0.00	4.08	6.99	0.00	0.000	0.3	383.51	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 31.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 384.73

Station (m) =	0.0	0.5	1.1	2.2	3.0	3.8
Flow (%) =	1.8	3.4	8.8	7.7	7.9	
Area (sq m) =	0.1	0.2	0.3	0.3	0.3	
Vel (m/s) =	2.56	3.57	4.11	4.59	4.45	
Depth (m) =	0.20	0.25	0.31	0.37	0.35	

Station (m) =	3.8	6.2				
Flow (%) =	70.4					
Area (sq m) =	1.6					
Vel (m/s) =	6.99					
Depth (m) =	0.76					

STATUS: Analyzing cross-section reach 30.000.

STATUS: (3280) For cross-section 30.00, ends have been extended vertically 0.08 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	383.75
Right Overbank Elevation (m, RBEL)	384.67

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

30.000	0.050	0.040	0.000	1.71	383.89	384.44	0.00
0.159465	3	3	3	386.16	2.27	0.59	-0.01
0.17	0	2	0	0.00	383.76	384.67	20
16	0	15	0	5.3	0.00	5.29	16
0.00	0.94	6.75	0.00	0.000	0.4	382.18	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 30.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 383.89

Station (m) =	0.0	0.9	1.4	1.9	3.3	5.6
Flow (%) =	0.0	0.0	0.0	2.2	97.7	
Area (sq m) =	0.1	0.1	0.1	0.2	2.3	
Vel (m/s) =	0.08	0.08	0.08	2.03	6.75	
Depth (m) =	0.11	0.13	0.13	0.13	1.13	

STATUS: Analyzing cross-section reach 29.000.

STATUS: (3280) For cross-section 29.00, ends have been extended vertically 0.21 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

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Left Overbank Elevation (m, XLBEL)								383.28
Right Overbank Elevation (m, RBEL)								384.21
29.000	0.050	0.040	0.000	1.83	383.54	384.01	0.00	
0.202842	3	3	3	385.60	2.06	0.57	0.00	
0.18	0	1	0	0.00	383.28	384.20	6	
16	2	13	0	5.0	0.00	5.04	15	
0.00	3.41	6.82	0.00	0.000	0.4	381.71	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	29.000
Total Discharge (cms, Q)	16
Computed Water Surface Elevation (m MSL, CWSEL)	383.54

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Station (m) =	0.0	1.5	2.7	3.5	3.5	5.3
Flow (%) =	6.6	6.5	4.6	0.0	82.3	
Area (sq m) =	0.3	0.3	0.2	0.0	1.9	
Vel (m/s) =	3.26	3.44	3.62	3.62	6.82	
Depth (m) =	0.22	0.24	0.25	0.27	1.30	

STATUS: Analyzing cross-section reach 28.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								382.63
Right Overbank Elevation (m, RBEL)								383.72
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	
28.000	0.050	0.040	0.000	1.96	382.82	383.36	0.00	
0.151783	4	4	4	384.89	2.08	0.70	0.00	
0.19	0	2	0	0.00	382.63	383.72	5	
16	0	15	0	5.2	0.04	5.25	13	
0.00	1.54	6.48	0.00	0.000	0.4	380.86	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	28.000
Total Discharge (cms, Q)	16
Computed Water Surface Elevation (m MSL, CWSEL)	382.82

Station (m) =	0.0	1.4	3.5	3.6	5.5
Flow (%) =	0.0	0.0	2.9	0.0	97.1
Area (sq m) =	0.0	0.2	0.0	0.0	2.4
Vel (m/s) =	0.08	1.88	0.08	6.48	
Depth (m) =	0.03	0.12	0.18	1.42	

STATUS: Analyzing cross-section reach 27.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO)	0.62
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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	
27.000	0.050	0.020	0.050	1.89	380.69	381.28	0.00	
0.058253	16	16	16	383.46	2.77	1.43	0.00	
0.23	0	2	0	0.00	380.63	380.58	5	
16	0	15	0	6.7	1.20	7.94	14	
0.00	0.05	7.49	0.89	0.000	0.5	378.80	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	27.000
Total Discharge (cms, Q)	16
Computed Water Surface Elevation (m MSL, CWSEL)	380.69

Station (m) =	1.2	1.9	3.1	4.3	4.9	7.3
Flow (%) =	0.0	96.9	1.0	0.0	2.0	
Area (sq m) =	0.0	2.1	0.1	0.1	0.3	
Vel (m/s) =	0.05	7.49	1.13	0.05	1.11	
Depth (m) =	0.03	1.70	0.11	0.13	0.13	

Station (m) =	7.3	7.8	7.9
Flow (%) =	0.0	0.0	
Area (sq m) =	0.0	0.0	
Vel (m/s) =	0.05	0.05	
Depth (m) =	0.07	0.01	

STATUS: Analyzing cross-section reach 26.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								379.16
Right Overbank Elevation (m, RBEL)								379.20
26.000	0.000	0.020	0.000	1.74	378.88	379.90	0.00	
0.081813	13	13	13	382.56	3.67	0.90	0.00	
0.26	0	1	0	0.00	379.16	379.20	7	
16	0	15	0	1.2	1.95	3.17	11	
0.00	0.00	8.50	0.00	0.000	0.6	377.14	0	

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 26.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 378.88

Station (m) = 2.0 3.2
Flow (%) = 100.0
Area (sq m) = 1.9
Vel (m/s) = 8.50
Depth (m) = 1.55

STATUS: Analyzing cross-section reach 25.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 377.51
Right Overbank Elevation (m, RBEL) 377.38

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOB	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
25.000	0.000	0.020	0.000	1.63	377.09	378.11	0.00
0.097770	13	13	13	381.36	4.28	1.19	0.00
0.28	0	1	0	0.00	377.51	377.38	7
16	0	15	0	1.2	2.21	3.42	14
0.00	0.00	9.16	0.00	0.000	0.6	375.46	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 25.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 377.09

Station (m) = 2.2 3.4
Flow (%) = 100.0
Area (sq m) = 1.7
Vel (m/s) = 9.16
Depth (m) = 1.44

STATUS: Analyzing cross-section reach 24.000.

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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 375.33
Right Overbank Elevation (m, RBEL) 375.27

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOB	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
24.000	0.000	0.020	0.000	1.57	375.13	376.04	0.00
0.108540	15	15	15	379.81	4.68	1.55	0.00
0.31	0	1	0	0.00	375.33	375.27	6
16	0	15	0	1.2	1.63	2.85	8
0.00	0.00	9.59	0.00	0.000	0.6	373.56	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 24.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 375.13

Station (m) = 1.6 2.8
Flow (%) = 100.0
Area (sq m) = 1.7
Vel (m/s) = 9.59
Depth (m) = 1.37

STATUS: Analyzing cross-section reach 23.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 372.86
Right Overbank Elevation (m, RBEL) 372.81

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOB	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
23.000	0.000	0.020	0.000	1.51	372.58	373.56	0.00
0.117143	19	19	19	377.58	4.99	2.23	0.00
0.34	0	1	0	0.00	372.86	372.81	7
16	0	15	0	1.2	2.39	3.61	14
0.01	0.00	9.90	0.00	0.000	0.6	371.07	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 23.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 372.58

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Station (m) = 2.4 3.6
Flow (%) = 100.0
Area (sq m) = 1.6
Vel (m/s) = 9.90
Depth (m) = 1.33

STATUS: Analyzing cross-section reach 22.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 370.14
Right Overbank Elevation (m, RBEL) 370.15

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
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COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
22.000	0.000	0.020	0.000	1.50	369.71	370.77	0.00
0.121820	22	22	22	374.87	5.16	2.71	0.00
0.38	0	1	0	0.00	370.14	370.15	6
16	0	15	0	1.2	0.98	2.20	14
0.01	0.00	10.07	0.00	0.000	0.6	368.21	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 22.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 369.71

Station (m) = 1.0 2.2
Flow (%) = 100.0
Area (sq m) = 1.6
Vel (m/s) = 10.07
Depth (m) = 1.31

STATUS: Analyzing cross-section reach 21.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 368.56
Right Overbank Elevation (m, RBEL) 368.57

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PROJECT TITLE : Stato di fatto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
21.000	0.000	0.020	0.000	1.61	368.20	369.15	0.00
0.101349	20	20	20	372.61	4.41	2.26	0.00
0.41	0	1	0	0.00	368.56	368.57	6
16	0	15	0	1.2	5.95	7.17	15
0.01	0.00	9.31	0.00	0.000	0.7	366.59	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 21.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 368.20

Station (m) = 6.0 7.2
Flow (%) = 100.0
Area (sq m) = 1.7
Vel (m/s) = 9.31
Depth (m) = 1.41

STATUS: Analyzing cross-section reach 20.000.

STATUS: (3280) For cross-section 20.00, ends have been extended vertically 0.79 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 367.12
Right Overbank Elevation (m, RBEL) 367.19

20.000	0.000	0.020	0.000	1.64	367.12	367.18	0.00
0.093265	17	17	17	371.28	4.16	1.66	-1.11
0.44	0	1	0	0.00	367.12	367.09	20
16	0	15	0	1.2	6.69	7.91	8
0.01	0.00	9.04	0.00	0.000	0.7	365.48	0

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PROJECT TITLE : Stato di fatto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 20.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 367.12

Station (m) = 6.7 7.9
Flow (%) = 100.0
Area (sq m) = 1.8
Vel (m/s) = 9.04
Depth (m) = 1.45

STATUS: Analyzing cross-section reach 19.000.

STATUS: (3280) For cross-section 19.00, ends have been extended vertically 0.25 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 365.57
Right Overbank Elevation (m, RBEL) 365.60

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

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PROJECT TITLE : Stato di fatto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

SECTO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
19.000	0.000	0.020	0.000	1.53	365.57	366.04	0.00
0.114220	22	22	22	370.46	4.89	2.28	-1.02
0.48	0	1	0	0.00	365.57	365.60	20
16	0	15	0	1.2	7.36	8.58	8
0.01	0.00	9.80	0.00	0.000	0.7	364.04	0

FLOW DISTRIBUTION :

Cross-Section Number (SECTO) 19.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 365.57

Station (m) = 7.4 8.6
Flow (%) = 100.0
Area (sq m) = 1.6
Vel (m/s) = 9.80
Depth (m) = 1.34

STATUS: Analyzing cross-section reach 18.000.

STATUS: (3280) For cross-section 18.00, ends have been extended vertically 0.63 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

18.000	0.000	0.020	0.000	1.64	364.64	365.14	0.00
0.094636	15	15	15	368.80	4.17	1.65	0.00
0.51	0	1	0	0.00	364.69	364.76	6
16	0	15	0	1.2	5.28	6.50	11
0.01	0.00	9.05	0.00	0.000	0.7	363.00	0

FLOW DISTRIBUTION :

Cross-Section Number (SECTO) 18.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 364.64

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PROJECT TITLE : Stato di fatto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

Station (m) = 5.3 6.5
Flow (%) = 100.0
Area (sq m) = 1.8
Vel (m/s) = 9.05
Depth (m) = 1.45

STATUS: Analyzing cross-section reach 17.000.

STATUS: (3280) For cross-section 17.00, ends have been extended vertically 0.48 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

17.000	0.000	0.020	0.000	1.67	363.66	364.27	0.00
0.089435	15	15	15	367.63	3.97	1.43	0.00
0.53	0	1	0	0.00	363.72	363.67	20
16	0	15	0	1.2	9.62	10.84	14
0.01	0.00	8.83	0.00	0.000	0.7	361.99	0

FLOW DISTRIBUTION :

Cross-Section Number (SECTO) 17.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 363.66

Station (m) = 9.6 10.8
Flow (%) = 100.0
Area (sq m) = 1.8
Vel (m/s) = 8.83
Depth (m) = 1.49

STATUS: Analyzing cross-section reach 16.000.

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PROJECT TITLE : Stato di fatto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

STATUS: (3280) For cross-section 16.00, ends have been extended vertically 0.18 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 362.93
Right Overbank Elevation (m, RBEL) 363.04

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
16.000	0.050	0.020	0.000	1.47	362.96	363.48	0.00
0.092882	11	11	11	366.58	3.62	1.06	0.00
0.56	1	1	0	0.00	362.93	363.04	4
16	1	14	0	8.6	0.00	8.64	11
0.01	1.62	8.88	0.00	0.000	0.8	361.49	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 16.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 362.96

Station (m) = 0.0 0.6 1.4 7.0 7.4 8.6
Flow (%) = 1.2 1.8 7.2 0.0 89.7
Area (sq m) = 0.1 0.1 0.7 0.0 1.6
Vel (m/s) = 1.63 2.07 1.57 0.06 8.88
Depth (m) = 0.18 0.20 0.13 0.04 1.33

STATUS: Analyzing cross-section reach 15.000.

STATUS: (3280) For cross-section 15.00, ends have been extended vertically 0.23 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

15.000	0.050	0.020	0.050	1.61	362.40	362.90	0.00
0.059370	21	21	21	365.02	2.62	1.56	0.00
0.62	0	1	0	0.00	362.08	362.24	6
16	1	13	0	11.9	0.00	11.91	13
0.01	1.92	7.81	1.18	0.000	1.0	360.79	0

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PROJECT TITLE : Stato di fatto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 15.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 362.40

Station (m) = 0.0 1.5 2.5 3.2 4.4 9.4
Flow (%) = 3.8 3.6 2.9 83.6 5.6
Area (sq m) = 0.4 0.3 0.2 1.7 0.7
Vel (m/s) = 1.69 1.95 2.30 7.81 1.30
Depth (m) = 0.24 0.29 0.32 1.41 0.14

Station (m) = 9.4 11.9
Flow (%) = 0.5
Area (sq m) = 0.1
Vel (m/s) = 0.57
Depth (m) = 0.06

STATUS: Analyzing cross-section reach 14.000.

STATUS: (3280) For cross-section 14.00, ends have been extended vertically 0.17 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
14.000	0.050	0.020	0.050	1.72	362.07	362.57	0.00
0.046258	14	14	14	364.27	2.19	0.75	0.00
0.67	0	1	1	0.00	361.70	361.82	6
16	0	13	1	9.2	0.00	9.16	11
0.01	1.48	7.15	1.51	0.000	1.2	360.36	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 14.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 362.07

Station (m) = 0.0 1.3 1.5 2.2 3.4 4.9
Flow (%) = 0.8 0.0 3.4 83.5 4.4
Area (sq m) = 0.1 0.1 0.2 1.9 0.4
Vel (m/s) = 0.93 0.04 2.24 7.15 1.75
Depth (m) = 0.11 0.29 0.37 1.53 0.26

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Station (m) = 4.9 7.9 8.3 9.2
Flow (%) = 7.0 0.0 0.9
Area (sq m) = 0.7 0.1 0.1
Vel (m/s) = 1.62 0.04 1.02
Depth (m) = 0.23 0.20 0.16

STATUS: Analyzing cross-section reach 13.000.

STATUS: (3280) For cross-section 13.00, ends have been extended vertically 0.27 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
13.000	0.050	0.020	0.050	1.60	361.62	362.08	0.00
0.049289	11	11	11	363.74	2.12	0.53	0.00
0.72	0	1	1	0.00	361.33	361.35	6
16	0	12	2	9.0	0.00	8.98	11
0.01	1.44	7.24	1.76	0.000	1.3	360.02	0

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 13.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 361.62

Station (m) = 0.0 0.8 1.2 1.5 2.2 2.3
Flow (%) = 2.0 2.0 1.4 0.0 2.2 0.0
Area (sq m) = 0.2 0.1 0.1 0.2 0.0
Vel (m/s) = 1.54 1.87 0.04 1.94 0.04
Depth (m) = 0.28 0.27 0.28 0.29 0.29

Station (m) = 2.3 3.5 7.2 9.0
Flow (%) = 78.2 11.4 4.7
Area (sq m) = 1.7 1.0 0.5
Vel (m/s) = 7.24 1.82 1.64
Depth (m) = 1.42 0.27 0.26

STATUS: Analyzing cross-section reach 12.000.

STATUS: (3280) For cross-section 12.00, ends have been extended vertically 0.47 meters in order to calculate the hydraulic cross-section properties.

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PROJECT TITLE : Stato di fatto
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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
12.000	0.050	0.020	0.050	1.69	361.59	362.07	0.00
0.052735	4	4	4	363.51	1.92	0.23	0.00
0.73	0	1	1	0.00	361.26	361.29	6
16	0	12	3	6.8	0.00	6.85	14
0.01	1.51	6.94	2.24	0.000	1.3	359.90	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 12.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 361.59

Station (m) = 0.0 1.8 2.9 4.0 5.4
Flow (%) = 0.0 4.0 0.0 76.1 4.1 6.7
Area (sq m) = 0.4 0.0 1.8 0.3 0.5
Vel (m/s) = 1.59 0.05 6.94 2.03 2.22
Depth (m) = 0.23 0.32 1.65 0.29 0.34

Station (m) = 5.4 6.5 6.8
Flow (%) = 7.9 1.3
Area (sq m) = 0.5 0.1
Vel (m/s) = 2.61 1.47
Depth (m) = 0.43 0.46

STATUS: Analyzing cross-section reach 11.000.

STATUS: (3280) For cross-section 11.00, ends have been extended vertically 1.30 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 0.49

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PROJECT TITLE : Stato di fatto
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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
11.000	0.050	0.020	0.050	2.52	361.80	361.95	0.00
0.012529	15	15	15	363.17	1.37	0.34	0.00
0.79	0	2	0	0.00	360.49	360.49	3
16	0	15	0	1.8	0.28	2.09	14
0.01	0.55	5.32	1.34	0.000	1.4	359.28	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 11.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 361.80

Station (m) = 0.3 0.4 1.6 1.7 2.1
Flow (%) = 0.6 94.5 2.2 2.7
Area (sq m) = 0.2 2.8 0.1 0.5
Vel (m/s) = 0.55 5.32 2.68 0.96
Depth (m) = 1.30 2.33 1.31 1.30

STATUS: Analyzing cross-section reach 10.000.

STATUS: (3280) For cross-section 10.00, ends have been extended vertically 0.93 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 360.10
Right Overbank Elevation (m, RBEL) 360.17

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

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PROJECT TITLE : Stato di fatto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
10.000	0.000	0.020	0.000	1.37	360.10	360.47	0.00
0.083597	14	14	14	364.09	3.99	0.39	-0.09
0.83	0	1	0	0.00	359.76	360.17	20
16	0	15	0	1.5	2.37	3.88	18
0.01	0.00	8.85	0.00	0.000	1.4	358.73	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 10.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 360.10

Station (m) = 2.4 3.9
Flow (%) = 100.0
Area (sq m) = 1.8
Vel (m/s) = 8.85
Depth (m) = 1.20

STATUS: Analyzing cross-section reach 9.000.

STATUS: (3280) For cross-section 9.00, ends have been extended vertically 1.03 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)						360.00
	Right Overbank Elevation (m, RBEL)						360.08
9.000	0.000	0.020	0.000	1.32	360.00	360.13	0.00
0.092163	4	4	4	364.29	4.29	0.38	-0.25
0.84	0	1	0	0.00	359.70	360.08	20
16	0	15	0	1.5	2.41	3.95	8
0.01	0.00	9.18	0.00	0.000	1.4	358.68	0

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PROJECT TITLE : Stato di fatto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 9.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 360.00

Station (m) = 2.4 4.0
Flow (%) = 100.0
Area (sq m) = 1.7
Vel (m/s) = 9.18
Depth (m) = 1.14

STATUS: Analyzing cross-section reach 8.000.

STATUS: (3280) For cross-section 8.00, ends have been extended vertically 0.81 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	359.67
	Right Overbank Elevation (m, RBEL)	359.79

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PROJECT TITLE : Stato di fatto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
8.000	0.000	0.020	0.000	1.06	359.67	359.96	0.00
0.180351	3	3	3	366.32	6.65	0.49	0.34
0.84	0	1	0	0.00	359.67	359.79	20
16	0	15	0	1.5	3.34	4.88	8
0.01	0.00	11.43	0.00	0.000	1.4	358.61	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 8.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 359.67

Station (m) = 3.3 5.0
Flow (%) = 100.0
Area (sq m) = 1.4
Vel (m/s) = 11.43
Depth (m) = 0.91

STATUS: Analyzing cross-section reach 7.000.

STATUS: (3280) For cross-section 7.00, ends have been extended vertically 0.62 meters in order to calculate the hydraulic cross-section properties.

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								359.66
Right Overbank Elevation (m, RBEL)								359.77
7.000	0.000	0.020	0.000	0.89	359.48	359.97	0.00	
0.165938	1	1	1	366.15	6.67	0.17	0.00	
0.84	0	1	0	0.00	359.66	359.77	6	
16	0	15	0	1.6	3.25	4.89	14	
0.01	0.00	11.45	0.00	0.000	1.4	358.59	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	7.000	
Total Discharge (cms, Q)	16	
Computed Water Surface Elevation (m MSL, CWSEL)	359.48	
Station (m) =	3.2	5.1
Flow (%) =	100.0	
Area (sq m) =	1.4	
Vel (m/s) =	11.45	
Depth (m) =	0.85	

STATUS: Analyzing cross-section reach 6.000.

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STATUS: (3280) For cross-section 6.00, ends have been extended vertically 0.66 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								359.55
Right Overbank Elevation (m, RBEL)								359.68
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	
6.000	0.000	0.020	0.000	0.92	359.42	359.84	0.00	
0.144000	4	4	4	365.39	5.97	0.76	0.00	
0.85	0	1	0	0.00	359.55	359.68	6	
16	0	15	0	1.6	3.38	5.02	11	
0.01	0.00	10.83	0.00	0.000	1.4	358.50	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	6.000	
Total Discharge (cms, Q)	16	
Computed Water Surface Elevation (m MSL, CWSEL)	359.42	
Station (m) =	3.4	5.2
Flow (%) =	100.0	
Area (sq m) =	1.5	
Vel (m/s) =	10.83	
Depth (m) =	0.90	

STATUS: Analyzing cross-section reach 5.000.

STATUS: (3280) For cross-section 5.00, ends have been extended vertically 0.69 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								359.44
Right Overbank Elevation (m, RBEL)								359.57

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
5.000	0.000	0.020	0.000	0.96	359.37	359.61	0.00
0.123556	5	5	5	364.71	5.34	0.68	0.00
0.86	0	1	0	0.00	359.44	359.57	6
16	0	15	0	1.6	3.82	5.46	15
0.01	0.00	10.24	0.00	0.000	1.4	358.41	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	5.000	
Total Discharge (cms, Q)	16	
Computed Water Surface Elevation (m MSL, CWSEL)	359.37	
Station (m) =	3.8	5.7
Flow (%) =	100.0	
Area (sq m) =	1.6	
Vel (m/s) =	10.24	
Depth (m) =	0.95	

STATUS: Analyzing cross-section reach 4.000.

STATUS: (3280) For cross-section 4.00, ends have been extended vertically 0.72 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

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	Left Overbank Elevation (m, XLBEL)	359.32					
	Right Overbank Elevation (m, RBEL)	359.54					
4.000	0.000	0.020	0.000	1.02	359.32	359.54	0.00
0.121117	5	5	5	364.36	5.04	0.72	-0.33
0.87	0	1	0	0.00	359.32	359.44	20
16	0	15	0	1.9	3.78	5.64	14
0.01	0.00	9.95	0.00	0.000	1.4	358.30	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 4.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 359.32

Station (m) = 3.8 5.7
Flow (%) = 100.0
Area (sq m) = 1.6
Vel (m/s) = 9.95
Depth (m) = 0.86

STATUS: Analyzing cross-section reach 3.000.

STATUS: (3280) For cross-section 3.00, ends have been extended vertically 0.74 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	359.30
Right Overbank Elevation (m, RBEL)	359.30

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
3.000	0.000	0.020	0.000	1.06	359.30	359.45	0.00
0.154480	3	3	3	365.68	6.38	0.54	-0.36
0.87	0	1	0	0.00	359.25	359.25	20
16	0	15	0	1.4	3.50	4.89	11
0.01	0.00	11.19	0.00	0.000	1.4	358.24	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 3.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 359.30

Station (m) = 3.5 4.9
Flow (%) = 100.0
Area (sq m) = 1.4
Vel (m/s) = 11.19
Depth (m) = 1.03

STATUS: Analyzing cross-section reach 2.000.

STATUS: (3280) For cross-section 2.00, ends have been extended vertically 0.18 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	358.86
Right Overbank Elevation (m, RBEL)	358.60

2.000	0.000	0.020	0.050	0.82	358.72	359.45	0.00
0.161808	1	1	1	365.51	6.79	0.16	0.00
0.87	0	1	0	0.00	358.86	358.58	6
16	0	15	0	4.9	3.02	7.92	14
0.01	0.00	11.82	1.94	0.000	1.5	357.90	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 2.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 358.72

Station (m) = 3.0 4.8 7.9
Flow (%) = 95.3 4.7
Area (sq m) = 1.3 0.4
Vel (m/s) = 11.82 1.94
Depth (m) = 0.71 0.13

STATUS: Analyzing cross-section reach 1.000.

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STATUS: (3235) The computed slope of the energy grade line exceeded 0.40, and critical depth has probably been crossed.

STATUS: (3280) For cross-section 1.00, ends have been extended vertically 0.17 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

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WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 1.84

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 358.85
Right Overbank Elevation (m, RBEL) 358.30

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
1.000	0.000	0.040	0.050	0.92	358.63	359.22	0.00
0.549133	0	0	0	363.69	5.06	1.83	0.00
0.89	0	1	0	0.00	358.85	358.30	9
16	0	12	3	4.7	3.25	7.95	17
0.01	0.00	10.91	5.10	0.000	1.5	357.70	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 1.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 358.63

Station (m) = 3.2 5.1 7.5 7.9
Flow (%) = 78.9 21.0 0.1
Area (sq m) = 1.2 0.6 0.1
Vel (m/s) = 10.91 5.82 0.15
Depth (m) = 0.62 0.25 0.17

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T3 201380e.dwg

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JOB PARAMETERS :

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		5		1		1		12	393.45	
J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15		-1				0	-6		15

STATUS: Analyzing profile 4.

STATUS: Analyzing cross-section reach 48.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 393.35
Right Overbank Elevation (m, RBEL) 393.54

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
48.000	0.050	0.040	0.000	1.12	393.45	393.92	393.45
0.135483	0	0	0	395.27	1.82	0.00	0.00
0.00	0	2	0	0.00	393.35	393.54	0
12	0	11	0	4.7	3.60	8.30	10
0.00	0.07	5.98	0.00	0.000	0.0	392.33	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 48.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 393.45

Station (m) = 3.6 5.3 8.3
Flow (%) = 0.1 99.9
Area (sq m) = 0.1 2.0
Vel (m/s) = 0.07 5.98
Depth (m) = 0.05 0.67

STATUS: Analyzing cross-section reach 47.000.

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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 393.20
Right Overbank Elevation (m, RBEL) 393.28

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
47.000	0.000	0.040	0.000	1.97	392.97	393.53	0.00
0.226987	2	2	2	394.81	1.84	0.47	0.00
0.01	0	1	0	0.00	393.20	393.28	7
12	0	11	0	3.0	4.90	7.90	21
0.00	0.00	6.01	0.00	0.000	0.0	391.00	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 47.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 392.97

Station (m) = 4.9 8.0

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Flow (%) = 100.0
Area (sq m) = 2.0
Vel (m/s) = 6.01
Depth (m) = 0.67

STATUS: Analyzing cross-section reach 46.000.

STATUS: (3280) For cross-section 46.00, ends have been extended vertically 0.00 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	392.85
	Right Overbank Elevation (m, RBEL)	392.88
46.000	0.000	0.040
0.138389	3	3
0.01	0	2
12	0	11
0.00	0.00	5.46

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 46.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 392.64

Station (m) = 4.7 8.4
Flow (%) = 100.0
Area (sq m) = 2.2
Vel (m/s) = 5.46
Depth (m) = 0.60

STATUS: Analyzing cross-section reach 45.000.

STATUS: (3280) For cross-section 45.00, ends have been extended vertically 0.27 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	392.35					
	Right Overbank Elevation (m, RBEL)	391.48					
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
45.000	0.000	0.040	0.050	0.83	391.59	391.96	0.00
0.214945	4	4	4	393.48	1.89	0.68	0.00
0.02	0	1	0	0.00	392.35	391.48	7
12	0	9	2	7.6	5.50	13.15	8
0.00	0.00	6.64	2.69	0.000	0.0	390.76	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 45.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 391.59

Station (m) = 5.5 8.4 10.4 10.7 11.6 13.1
Flow (%) = 81.2 5.6 0.0 3.9 9.3
Area (sq m) = 1.5 0.3 0.1 0.2 0.4
Vel (m/s) = 6.64 2.48 0.09 2.89 3.14
Depth (m) = 0.50 0.14 0.16 0.17 0.23

STATUS: Analyzing cross-section reach 44.000.

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STATUS: (3280) For cross-section 44.00, ends have been extended vertically 0.47 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	391.37					
	Right Overbank Elevation (m, RBEL)	391.11					
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
44.000	0.000	0.040	0.050	0.84	391.21	391.57	0.00
0.209682	3	3	3	392.82	1.61	0.66	0.00
0.03	0	1	1	0.00	391.37	391.11	7
12	0	8	3	6.3	4.67	10.93	15
0.00	0.00	6.36	3.70	0.000	0.1	390.36	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 44.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 391.21

Station (m) = 4.7 7.2 9.4 10.1 10.9
Flow (%) = 67.2 13.1 8.4 11.3
Area (sq m) = 1.3 0.5 0.2 0.4
Vel (m/s) = 6.36 3.27 4.51 3.79
Depth (m) = 0.50 0.21 0.35 0.41

STATUS: Analyzing cross-section reach 43.000.

STATUS: (3280) For cross-section 43.00, ends have been extended vertically 0.60 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 391.24

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Right Overbank Elevation (m, RBEL) 390.93

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
43.000	0.000	0.040	0.050	1.01	391.01	391.37	0.00
0.128202	3	3	3	392.29	1.27	0.53	0.00
0.04	0	1	1	0.00	391.24	390.93	5
12	0	8	3	6.2	4.01	10.25	14
0.00	0.00	5.55	2.94	0.000	0.1	390.00	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 43.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 391.01

Station (m) = 4.0 6.5 7.5 10.0 10.3
Flow (%) = 73.8 2.1 22.0 2.1
Area (sq m) = 1.6 0.1 0.8 0.1
Vel (m/s) = 5.55 1.80 3.29 2.00
Depth (m) = 0.65 0.14 0.31 0.55

STATUS: Analyzing cross-section reach 42.000.

STATUS: (3280) For cross-section 42.00, ends have been extended vertically 0.79 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)						390.70
	Right Overbank Elevation (m, RBEL)						390.40
42.000	0.000	0.040	0.050	0.91	390.68	391.03	0.00
0.128047	3	3	3	391.88	1.20	0.41	0.00
0.05	0	1	1	0.00	390.70	390.40	5
12	0	7	4	6.4	3.92	10.31	11
0.00	0.00	5.56	3.01	0.000	0.1	389.77	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 42.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 390.68

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Station (m) = 3.9 6.3 8.9 9.3 9.6 10.3
Flow (%) = 66.5 16.8 2.6 3.7 10.3
Area (sq m) = 1.4 0.7 0.1 0.1 0.4
Vel (m/s) = 5.56 2.94 2.97 3.49 2.99
Depth (m) = 0.60 0.26 0.27 0.38 0.62

STATUS: Analyzing cross-section reach 41.000.

STATUS: (3280) For cross-section 41.00, ends have been extended vertically 0.67 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)						390.27
	Right Overbank Elevation (m, RBEL)						389.95
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 41.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 390.25

Station (m) = 3.6 5.9 6.4 9.4 9.6
Flow (%) = 44.8 3.9 48.2 3.0
Area (sq m) = 1.0 0.1 1.3 0.2
Vel (m/s) = 5.40 3.58 4.59 2.41
Depth (m) = 0.43 0.29 0.42 0.61

STATUS: Analyzing cross-section reach 40.000.

STATUS: (3280) For cross-section 40.00, ends have been extended vertically 0.68 meters in order to calculate the hydraulic cross-section properties.

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
40.000	0.050	0.040	0.050	0.57	389.84	390.14	0.00
0.160572	2	2	2	390.97	1.13	0.46	0.00
0.06	0	0	1	0.00	389.79	389.53	6

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12	0	3	8	6.1	3.06	9.15	14
0.00	0.08	4.89	4.64	0.000	0.1	389.27	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 40.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 389.84

Station (m) =	3.1	3.7	5.7	8.4	9.2
Flow (%) =	0.0	30.8	51.4	17.8	
Area (sq m) =	0.0	0.8	1.3	0.5	
Vel (m/s) =	0.08	4.89	4.88	4.05	
Depth (m) =	0.02	0.37	0.48	0.66	

STATUS: Analyzing cross-section reach 39.000.

STATUS: (3280) For cross-section 39.00, ends have been extended vertically 0.60 meters in order to calculate the hydraulic cross-section properties.

39.000	0.050	0.040	0.050	0.62	389.30	389.61	0.00
0.184510	2	2	2	390.49	1.19	0.48	0.00
0.07	0	0	1	0.00	389.17	389.17	7
12	0	5	6	6.6	3.59	10.22	15
0.00	0.09	5.45	4.31	0.000	0.2	388.68	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 39.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 389.30

Station (m) =	3.6	3.8	6.2	8.1	9.3	10.2
Flow (%) =	0.0	42.9	15.9	23.6	17.6	
Area (sq m) =	0.0	0.9	0.5	0.5	0.5	
Vel (m/s) =	0.09	5.45	3.58	5.17	4.15	
Depth (m) =	0.05	0.39	0.27	0.47	0.56	

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STATUS: Analyzing cross-section reach 38.000.

STATUS: (3280) For cross-section 38.00, ends have been extended vertically 0.41 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 388.78
Right Overbank Elevation (m, RBEL) 388.70

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
38.000	0.000	0.040	0.050	1.09	388.70	389.04	0.00
0.127380	3	3	3	389.85	1.15	0.47	-0.03
0.08	0	1	1	0.00	388.78	388.70	20
12	0	8	3	7.0	4.29	11.33	20
0.00	0.00	5.27	2.89	0.000	0.2	387.61	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 38.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 388.70

Station (m) =	4.3	7.1	9.0	9.8	10.6	11.3
Flow (%) =	73.3	5.1	7.9	7.9	5.8	
Area (sq m) =	1.7	0.3	0.3	0.3	0.3	
Vel (m/s) =	5.27	2.04	3.40	3.49	2.70	
Depth (m) =	0.60	0.15	0.33	0.34	0.37	

STATUS: Analyzing cross-section reach 37.000.

STATUS: (3280) For cross-section 37.00, ends have been extended vertically 0.46 meters in order to calculate the hydraulic cross-section properties.

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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 388.68
Right Overbank Elevation (m, RBEL) 388.25

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
37.000	0.000	0.040	0.050	0.98	388.37	388.71	0.00
0.109178	2	2	2	389.55	1.18	0.30	0.00
0.08	0	1	0	0.00	388.68	388.25	5
12	0	9	2	6.8	3.86	10.68	11
0.00	0.00	5.25	2.47	0.000	0.2	387.39	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 37.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 388.37

Station (m) =	3.9	6.9	7.2	10.2	10.7
Flow (%) =	79.7	0.0	16.4	3.9	
Area (sq m) =	1.8	0.0	0.8	0.2	

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Vel (m/s) = 5.25 0.07 2.61 2.37
Depth (m) = 0.60 0.10 0.25 0.43

STATUS: Analyzing cross-section reach 36.000.

STATUS: (3265) Divided flow.

STATUS: (3280) For cross-section 36.00, ends have been extended vertically 0.49 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 388.39
Right Overbank Elevation (m, RBEL) 387.99

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
36.000	0.000	0.040	0.050	1.17	387.99	388.31	0.00
0.103038	2	2	2	389.13	1.14	0.26	0.03
0.09	0	2	0	0.00	388.39	387.99	20
12	0	10	1	6.4	6.65	15.15	14
0.00	0.00	4.91	2.18	0.000	0.2	386.83	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 36.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 387.99

Station (m) = 6.7 10.5 13.5 15.2
Flow (%) = 91.2 0.0 8.8
Area (sq m) = 2.2 0.0 0.5
Vel (m/s) = 4.91 0.06 2.27
Depth (m) = 0.57 0.01 0.28

STATUS: Analyzing cross-section reach 35.000.

STATUS: (3280) For cross-section 35.00, ends have been extended vertically 0.27 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 387.81
Right Overbank Elevation (m, RBEL) 386.68

35.000	0.000	0.040	0.050	0.95	387.06	387.45	0.00
0.169577	3	3	3	388.74	1.68	0.39	0.00
0.10	0	1	0	0.00	387.81	386.68	6
12	0	8	3	5.9	6.35	12.26	8
0.00	0.00	6.40	3.22	0.000	0.2	386.11	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 35.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 387.06

Station (m) = 6.3 8.7 10.1 10.1 10.2 12.3
Flow (%) = 73.9 13.6 0.0 0.0 12.4
Area (sq m) = 1.4 0.4 0.0 0.0 0.5
Vel (m/s) = 6.40 3.79 0.08 0.08 2.98
Depth (m) = 0.59 0.31 0.24 0.23 0.25

STATUS: Analyzing cross-section reach 34.000.

STATUS: (3280) For cross-section 34.00, ends have been extended vertically 0.12 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 386.91
Right Overbank Elevation (m, RBEL) 385.97

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
34.000	0.000	0.040	0.050	0.82	386.13	386.47	0.00
0.297126	3	3	3	388.02	1.89	0.72	0.00
0.11	1	1	1	0.00	386.90	385.97	7
12	0	7	4	8.2	7.76	15.99	11
0.00	0.00	7.17	3.78	0.000	0.3	385.31	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 34.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 386.13

Station (m) = 7.8 10.0 12.3 13.5 14.9 15.8
Flow (%) = 61.5 11.3 7.8 13.2 6.0
Area (sq m) = 1.0 0.4 0.2 0.4 0.2
Vel (m/s) = 7.17 3.37 3.88 4.42 3.83
Depth (m) = 0.46 0.17 0.21 0.26 0.21

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Station (m) = 15.8 16.0
Flow (%) = 0.0
Area (sq m) = 0.0
Vel (m/s) = 0.11
Depth (m) = 0.13

STATUS: Analyzing cross-section reach 33.000.

STATUS: (3280) For cross-section 33.00, ends have been extended vertically 0.29 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 386.09
Right Overbank Elevation (m, RBEL) 385.59

SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
33.000	0.000	0.040	0.050	0.99	385.82	386.23	0.00
0.158520	2	2	2	387.50	1.68	0.52	0.00
0.11	0	1	0	0.00	386.09	385.59	6
12	0	9	2	5.8	5.14	10.92	17
0.00	0.00	6.22	2.89	0.000	0.3	384.83	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 33.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 385.82

Station (m) = 5.1 7.7 8.9 10.9
Flow (%) = 81.7 6.3 12.0
Area (sq m) = 1.6 0.3 0.5
Vel (m/s) = 6.22 2.88 2.89
Depth (m) = 0.61 0.22 0.25

STATUS: Analyzing cross-section reach 32.000.

STATUS: (3280) For cross-section 32.00, ends have been extended vertically 0.20 meters in order to calculate the hydraulic cross-section properties.

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SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
32.000	0.050	0.040	0.050	0.95	385.37	385.71	0.00
0.162087	2	2	2	387.04	1.67	0.47	0.00
0.12	0	1	0	0.00	385.22	385.15	5
12	1	9	1	8.1	0.00	8.10	14
0.00	2.79	6.40	2.17	0.000	0.3	384.42	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 32.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 385.37

Station (m) = 0.0 0.7 1.3 1.8 2.9 5.2
Flow (%) = 4.1 2.8 2.6 4.5 76.4
Area (sq m) = 0.2 0.1 0.1 0.2 1.4
Vel (m/s) = 2.95 2.90 2.74 2.64 6.40
Depth (m) = 0.23 0.22 0.20 0.19 0.63

Station (m) = 5.2 5.5 6.9 8.1
Flow (%) = 0.0 0.3 3.8
Area (sq m) = 0.1 0.2
Vel (m/s) = 0.08 2.68 2.25
Depth (m) = 0.21 0.19 0.17

STATUS: Analyzing cross-section reach 31.000.

STATUS: (3280) For cross-section 31.00, ends have been extended vertically 0.09 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 384.41
Right Overbank Elevation (m, RBEL) 384.99

31.000	0.050	0.040	0.000	1.13	384.64	385.07	0.00
0.192656	3	3	3	386.45	1.00	0.59	0.00
0.13	0	1	0	0.00	384.41	384.99	8
12	2	9	0	5.8	0.00	5.80	17
0.00	3.17	6.53	0.00	0.000	0.3	383.51	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 31.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 384.64

Station (m) = 0.0 0.5 1.1 2.2 3.0 3.8
Flow (%) = 0.0 2.2 6.7 6.5 6.5
Area (sq m) = 0.1 0.1 0.2 0.2 0.2
Vel (m/s) = 0.09 2.66 3.27 3.78 3.64
Depth (m) = 0.12 0.17 0.23 0.28 0.27

Station (m) = 3.8 6.2
Flow (%) = 77.9
Area (sq m) = 1.4
Vel (m/s) = 6.53
Depth (m) = 0.71

STATUS: Analyzing cross-section reach 30.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 383.75
Right Overbank Elevation (m, RBEL) 384.67

SECTO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
30.000	0.000	0.040	0.000	1.47	383.65	384.25	0.00
0.177544	3	3	3	385.83	2.18	0.62	0.00
0.13	0	1	0	0.00	383.76	384.67	6
12	0	11	0	1.9	3.32	5.18	14
0.00	0.00	6.54	0.00	0.000	0.3	382.18	0

FLOW DISTRIBUTION :

Cross-Section Number (SECTO) 30.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 383.65

Station (m) = 3.3 5.6
Flow (%) = 100.0
Area (sq m) = 1.8
Vel (m/s) = 6.54
Depth (m) = 0.99

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PROJECT TITLE : Stato di fatto
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STATUS: Analyzing cross-section reach 29.000.

STATUS: (3280) For cross-section 29.00, ends have been extended vertically 0.10 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 383.28
Right Overbank Elevation (m, RBEL) 384.21

SECTO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
29.000	0.050	0.040	0.000	1.73	383.44	383.87	0.00
0.181109	3	3	3	385.26	1.82	0.57	0.00
0.14	0	1	0	0.00	383.28	384.20	7
12	0	11	0	5.0	0.00	4.99	11
0.00	2.16	6.21	0.00	0.000	0.3	381.71	0

FLOW DISTRIBUTION :

Cross-Section Number (SECTO) 29.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 383.44

Station (m) = 0.0 1.5 2.7 3.5 3.5 5.3
Flow (%) = 2.8 3.0 2.4 0.0 91.8
Area (sq m) = 0.2 0.2 0.1 0.0 1.8
Vel (m/s) = 1.99 2.18 2.38 2.38 6.21
Depth (m) = 0.11 0.13 0.15 0.17 1.23

STATUS: Analyzing cross-section reach 28.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 382.63
Right Overbank Elevation (m, RBEL) 383.72

SECTO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
28.000	0.000	0.040	0.000	1.63	382.49	383.16	0.00
0.174312	4	4	4	384.55	2.05	0.71	0.00
0.15	0	1	0	0.00	382.63	383.72	5
12	0	11	0	1.6	3.57	5.18	12
0.00	0.00	6.35	0.00	0.000	0.4	380.86	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECTO) 28.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 382.49

Station (m) = 3.6 5.5
Flow (%) = 100.0
Area (sq m) = 1.9
Vel (m/s) = 6.35
Depth (m) = 1.18

STATUS: Analyzing cross-section reach 27.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 0.59

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 380.63
Right Overbank Elevation (m, RBEL) 380.58

SECTO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS

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VOL Q TIME	ALOB QLOB VLOB	QCH QVCH	AROB QROB VROB	CORAR TOPWdP WTN	LTBNK SSTA TWA	RTBNK ENDST ELMIN	ITRIAL IDC ICONT
27.000	0.000	0.020	0.000	1.57	380.37	381.17	0.00
0.0007109	16	16	16	383.00	2.62	1.55	0.00
0.18	0	1	0	0.00	380.63	380.58	6
0.12	0	11	0	1.2	1.87	3.09	12
0.08	0.00	7.17	0.00	0.000	0.4	378.89	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	27.000
Total Discharge (cms, Q)	12
Computed Water Surface Elevation (m MSL, CWSEL)	380.37

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Station (m) =	1.9	3.1
Flow (%) =	100.0	
Area (sq m) =	1.7	
Vel (m/s) =	7.17	
Depth (m) =	1.38	

STATUS: Analyzing cross-section reach 26.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	379.16
Right Overbank Elevation (m, RBEL)	379.20

SENO	XNL	XNCH	XNR	DEPTH	CWSEL	CHLW	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HVSL	CRHS	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LBTBNK	RTBNK	ITRIAL
QLO	QLOB	QCH	QROB	TOPWD	STA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN		ELMIN	ICONT
25.000	0.000	0.020	0.000	1.38	378.52	379.68	0.00
0.086548	13	13	13	382.05	3.53	0.95	0.00
0.20	0	0	0	0.00	379.16	379.20	6
0.12	0	11	0	1.95	1.95	3.17	15
0.06	0.00	8.33	0.00	0.000	0.4	377.14	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	26.000
Total Discharge (cms, Q)	12
Computed Water Surface Elevation (m MSL, CWSEL)	378.52

Station (m)	=	2.0	3.2
Flow (%)	=	100.0	
Area (sq m)	=	1.4	
Vel (m/s)	=	8.33	
Depth (m)	=	1.19	

STATUS: Analyzing cross-section reach 25.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	377.51
Right Overbank Elevation (m, RBEL)	377.38

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SENO SLOPE VOL Q TIME	XNL XLOBL ALOB QLOB VLOB	NCNH XLCH ACH QCH VCH	XNR XLOBR AROB QROB VROB	DEPTH EG CORAR TOPWD WTN	CWSEL HL LTBNK TWA	CRWS HL RTBNK ENDST ELMIN	WSELK OLOSS ITRAL IDIC ICONT
25.000	0.000	0.020	0.000	1.30	376.76	377.98	0.00
0.101823	13	0	13	380.88	4.64	1.25	0.00
0.22	0	0	0	0.00	377.51	377.38	6.00
12	0	11	0	1.2	2.22	3.42	14
0.00	0.00	8.91	0.00	0.000	0.4	376.46	0.00

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	25.000
Total Discharge (cms, Q)	12
Computed Water Surface Elevation (m MSL, CWSEL)	376.76

Station (m) =	2.2	3.4
Flow (%) =	100.0	
Area (sq m) =	1.3	
Vel (m/s) =	8.91	
Depth (m) =	1.12	

STATUS: Analyzing cross-section reach 24.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	375.33
Right Overbank Elevation (m, RBEL)	375.27

24.000	0.000	0.020	0.000	1.25	374.82	375.84	0.00
0.111865	15	15	15	379.19	4.37	1.61	0.00
0.24	0	1	0	0.00	375.33	375.27	6
12	0	11	0	1.2	1.63	2.85	15
0.01	0.00	9.26	0.00	0.000	0.4	373.56	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	24.000
Total Discharge (cms, Q)	12
Computed Water Surface Elevation (m MSL, CWSEL)	374.82

Station (m)	=	1.6	2.8
Flow (%)	=	100.0	

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Area (sq m) = 1.3
Vel (m/s) = 9.26
Depth (m) = 1.07

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STATUS: Analyzing cross-section reach 23.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 372.86
Right Overbank Elevation (m, RBEL) 372.81

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
23.000	0.000	0.020	0.000	1.22	372.29	373.40	0.00
0.119302	19	19	19	376.90	4.61	2.29	0.00
0.26	0	1	0	0.00	372.86	372.81	6
12	0	11	0	1.2	2.39	3.61	14
0.01	0.00	9.51	0.00	0.000	0.5	371.07	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 23.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 372.29

Station (m) = 2.4 3.6
Flow (%) = 100.0
Area (sq m) = 1.3
Vel (m/s) = 9.51
Depth (m) = 1.04

STATUS: Analyzing cross-section reach 22.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 370.14
Right Overbank Elevation (m, RBEL) 370.15

22.000	0.000	0.020	0.000	1.21	369.42	370.62	0.00
0.123246	22	22	22	374.15	4.73	2.75	0.00
0.29	0	1	0	0.00	370.14	370.15	5
12	0	11	0	1.2	0.99	2.19	17
0.01	0.00	9.64	0.00	0.000	0.5	368.21	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 22.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 369.42

Station (m) = 1.0 2.2
Flow (%) = 100.0
Area (sq m) = 1.2
Vel (m/s) = 9.64
Depth (m) = 1.03

STATUS: Analyzing cross-section reach 21.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 368.56
Right Overbank Elevation (m, RBEL) 368.57

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
21.000	0.000	0.020	0.000	1.30	367.89	369.03	0.00
0.100576	20	20	20	371.89	4.00	2.26	0.00
0.32	0	1	0	0.00	368.56	368.57	6
12	0	11	0	1.2	5.95	7.17	23
0.01	0.00	8.86	0.00	0.000	0.5	366.59	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 21.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 367.89

Station (m) = 6.0 7.2
Flow (%) = 100.0
Area (sq m) = 1.4
Vel (m/s) = 8.86
Depth (m) = 1.12

STATUS: Analyzing cross-section reach 20.000.

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STATUS: (3280) For cross-section 20.00, ends have been extended vertically 0.53 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 367.12

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Right Overbank Elevation (m, RBEL)								367.19
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	
20.000	0.000	0.020	0.000	1.38	366.86	367.15	0.00	
0.084281	17	17	17	370.32	3.46	1.57	0.00	
0.34	0	1	0	0.00	367.12	367.09	6	
12	0	11	0	1.2	6.69	7.91	10	
0.01	0.00	8.24	0.00	0.000	0.5	365.48	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 20.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 366.86

Station (m) = 6.7 7.9
Flow (%) = 100.0
Area (sq m) = 1.5
Vel (m/s) = 8.24
Depth (m) = 1.20

STATUS: Analyzing cross-section reach 19.000.

STATUS: (3280) For cross-section 19.00, ends have been extended vertically 0.17 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 365.57
Right Overbank Elevation (m, RBEL) 365.60

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	
19.000	0.000	0.020	0.000	1.45	365.49	365.89	0.00	
0.073628	22	22	22	368.58	3.09	1.74	0.00	
0.37	0	1	0	0.00	365.57	365.60	6	
12	0	11	0	1.2	7.36	8.58	11	
0.01	0.00	7.79	0.00	0.000	0.6	364.04	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 19.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 365.49

Station (m) = 7.4 8.6
Flow (%) = 100.0
Area (sq m) = 1.5
Vel (m/s) = 7.79
Depth (m) = 1.27

STATUS: Analyzing cross-section reach 18.000.

STATUS: (3280) For cross-section 18.00, ends have been extended vertically 0.47 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 364.69
Right Overbank Elevation (m, RBEL) 364.76

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	
18.000	0.000	0.020	0.000	1.48	364.48	365.03	0.00	
0.069921	15	15	15	367.43	2.95	1.14	0.00	
0.40	0	1	0	0.00	364.69	364.76	5	
12	0	11	0	1.2	5.28	6.50	11	
0.01	0.00	7.62	0.00	0.000	0.6	363.00	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 18.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 364.48

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Station (m) = 5.3 6.5
Flow (%) = 100.0
Area (sq m) = 1.6
Vel (m/s) = 7.62
Depth (m) = 1.30

STATUS: Analyzing cross-section reach 17.000.

STATUS: (3280) For cross-section 17.00, ends have been extended vertically 0.31 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 363.72
Right Overbank Elevation (m, RBEL) 363.67

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	
17.000	0.000	0.020	0.000	1.50	363.49	364.13	0.00	
0.067679	15	15	15	366.36	2.87	1.07	0.00	
0.42	0	1	0	0.00	363.72	363.67	6	
12	0	11	0	1.2	9.62	10.84	14	
0.01	0.00	7.51	0.00	0.000	0.6	361.99	0	

COMUNE DI CAPRIE
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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 17.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 363.49

Station (m) = 9.6 10.8
Flow (%) = 100.0
Area (sq m) = 1.6
Vel (m/s) = 7.51
Depth (m) = 1.31

STATUS: Analyzing cross-section reach 16.000.

STATUS: (3280) For cross-section 16.00, ends have been extended vertically 0.14 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

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WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 362.93
Right Overbank Elevation (m, RBEL) 363.04

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
16.000	0.050	0.020	0.000	1.44	362.93	363.40	0.00
0.062005	11	11	11	365.39	2.46	0.75	-0.12
0.45	0	1	0	0.00	362.93	363.04	20
12	0	11	0	8.6	0.00	8.64	12
0.01	0.98	7.17	0.00	0.000	0.6	361.49	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 16.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 362.93

Station (m) = 0.0 0.6 1.4 7.0 7.4 8.6
Flow (%) = 0.0 1.4 4.6 0.0 93.9
Area (sq m) = 0.1 0.1 0.5 0.0 1.6
Vel (m/s) = 0.05 1.47 1.03 0.05 7.17
Depth (m) = 0.14 0.16 0.09 0.00 1.29

STATUS: Analyzing cross-section reach 15.000.

STATUS: (3280) For cross-section 15.00, ends have been extended vertically 0.20 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

15.000	0.050	0.020	0.050	1.57	362.36	362.79	0.00
0.042537	21	21	21	364.31	1.95	1.08	0.00
0.50	0	1	0	0.00	362.08	362.24	5
12	0	10	0	11.9	0.00	11.91	9
0.01	0.89	6.50	0.83	0.000	0.9	360.79	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 15.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 362.36

Station (m) = 0.0 1.5 2.0 2.5 2.8 3.2
Flow (%) = 0.0 3.3 0.0 2.2 0.0 0.0
Area (sq m) = 0.3 0.1 0.2 0.1 0.1 0.1
Vel (m/s) = 1.30 0.04 1.57 0.04 0.04 0.04
Depth (m) = 0.20 0.21 0.30 0.29 0.29 0.29

Station (m) = 3.2 4.4 6.2 9.4 11.9
Flow (%) = 90.5 2.1 1.8 0.0
Area (sq m) = 1.7 0.2 0.3 0.1
Vel (m/s) = 6.50 1.05 0.79 0.04
Depth (m) = 1.37 0.13 0.08 0.02

STATUS: Analyzing cross-section reach 14.000.

STATUS: (3280) For cross-section 14.00, ends have been extended vertically 0.09 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
14.000	0.050	0.020	0.050	1.64	361.99	362.44	0.00
0.036829	14	14	14	363.74	1.75	0.57	0.00
0.54	0	1	0	0.00	361.70	361.82	6
12	0	10	0	9.2	0.00	9.16	13
0.01	1.17	6.15	0.98	0.000	1.0	360.36	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 14.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 361.99

Station (m) = 0.0 1.3 1.5 2.2 3.4 4.9

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

Flow (%)	=	0.0	0.0	2.7	90.5	2.7
Area (sq m)	=	0.0	0.1	0.2	1.8	0.3
Vel (m/s)	=	0.04	0.04	1.69	6.15	1.21
Depth (m)	=	0.03	0.21	0.29	1.45	0.18

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Station (m) =	4.9	7.9	8.3	9.2
Flow (%)	=	4.0	0.0	0.0
Area (sq m)	=	0.4	0.0	0.1
Vel (m/s)	=	1.07	0.04	0.04
Depth (m)	=	0.15	0.12	0.08

STATUS: Analyzing cross-section reach 13.000.

STATUS: (3280) For cross-section 13.00, ends have been extended vertically 0.19 meters in order to calculate the hydraulic cross-section properties.

SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOB	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
13.000	0.050	0.020	0.050	1.52	361.54	361.94	0.00
0.040737	11	11	11	363.31	1.77	0.43	0.00
0.58	0	1	1	0.00	361.33	361.35	6
12	0	10	1	9.0	0.00	8.98	11
0.01	0.82	6.34	1.27	0.000	1.1	360.02	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 13.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 361.54

Station (m) =	0.0	0.8	1.2	1.5	2.2	2.3
Flow (%)	=	1.5	0.0	0.0	1.6	0.0
Area (sq m)	=	0.2	0.1	0.1	0.1	0.0
Vel (m/s)	=	1.18	0.04	0.04	1.42	0.04
Depth (m)	=	0.20	0.19	0.20	0.21	0.21

Station (m) =	2.3	3.5	7.2	9.0
Flow (%)	=	86.0	7.7	3.1
Area (sq m)	=	1.6	0.7	0.3
Vel (m/s)	=	6.34	1.31	1.19
Depth (m)	=	1.34	0.19	0.18

STATUS: Analyzing cross-section reach 12.000.

STATUS: (3280) For cross-section 12.00, ends have been extended vertically 0.36 meters in order to calculate the hydraulic cross-section properties.

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SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOB	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
12.000	0.050	0.020	0.050	1.59	361.49	361.91	0.00
0.044974	4	4	4	363.12	1.63	0.19	0.00
0.59	0	1	1	0.00	361.26	361.29	4
12	0	10	1	6.8	0.00	6.85	14
0.01	0.95	6.13	1.67	0.000	1.2	359.90	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 12.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 361.49

Station (m) =	0.0	1.8	1.8	2.9	4.0	5.4
Flow (%)	=	1.9	0.0	84.0	2.4	4.5
Area (sq m)	=	0.2	0.0	1.6	0.2	0.3
Vel (m/s)	=	1.02	0.04	6.13	1.40	1.60
Depth (m)	=	0.13	0.22	1.54	0.19	0.23

Station (m) =	5.4	6.5	6.8
Flow (%)	=	6.1	1.1
Area (sq m)	=	0.4	0.1
Vel (m/s)	=	2.00	1.26
Depth (m)	=	0.32	0.36

STATUS: Analyzing cross-section reach 11.000.

STATUS: (3280) For cross-section 11.00, ends have been extended vertically 0.74 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 0.65							
11.000	0.050	0.020	0.050	1.94	361.22	361.55	0.00
0.018988	15	15	15	362.70	1.48	0.42	0.00
0.63	0	2	0	0.00	360.49	360.49	10
12	0	11	0	1.8	0.28	2.09	11
0.01	0.03	5.45	0.84	0.000	1.2	359.28	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 11.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 361.22

Station (m) =	0.3	0.4	1.6	1.7	2.1
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COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

Flow (%) = 0.0 97.6 0.0 2.3
Area (sq m) = 0.1 2.2 0.1 0.3
Vel (m/s) = 0.03 5.45 0.03 1.07
Depth (m) = 0.74 1.76 0.74 0.73

STATUS: Analyzing cross-section reach 10.000.

STATUS: (3280) For cross-section 10.00, ends have been extended vertically 0.92 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 360.10
Right Overbank Elevation (m, RBEL) 360.17

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SECTO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
10.000	0.000	0.020	0.000	1.36	360.09	360.26	0.00
0.047856	14	14	14	362.36	2.27	0.43	0.00
0.67	0	1	0	0.00	359.76	360.17	20
12	0	11	0	1.5	2.37	3.88	15
0.01	0.00	6.68	0.00	0.000	1.2	358.73	0

FLOW DISTRIBUTION :

Cross-Section Number (SECTO) 10.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 360.09

Station (m) = 2.4 3.9
Flow (%) = 100.0
Area (sq m) = 1.8
Vel (m/s) = 6.68
Depth (m) = 1.19

STATUS: Analyzing cross-section reach 9.000.

STATUS: (3280) For cross-section 9.00, ends have been extended vertically 1.03 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 360.00
Right Overbank Elevation (m, RBEL) 360.08

9.000	0.000	0.020	0.000	1.32	360.00	360.11	0.00
0.051787	4	4	4	362.41	2.41	0.22	0.00
0.67	0	1	0	0.00	359.70	360.08	20
12	0	11	0	1.5	2.41	3.95	10
0.01	0.00	6.88	0.00	0.000	1.3	358.68	0

FLOW DISTRIBUTION :

Cross-Section Number (SECTO) 9.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 360.00

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Station (m) = 2.4 4.0
Flow (%) = 100.0
Area (sq m) = 1.7
Vel (m/s) = 6.88
Depth (m) = 1.14

STATUS: Analyzing cross-section reach 8.000.

STATUS: (3280) For cross-section 8.00, ends have been extended vertically 0.81 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.67
Right Overbank Elevation (m, RBEL) 359.79

SECTO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
8.000	0.000	0.020	0.000	1.06	359.67	359.84	0.00
0.101920	3	3	3	363.42	3.76	0.27	0.07
0.68	0	1	0	0.00	359.67	359.79	20
12	0	11	0	1.5	3.34	4.88	8

Station (m) = 3.8 5.7									
Flow (%) = 100.0									
Area (sq m) = 1.5									
Vel (m/s) = 7.83									
Depth (m) = 0.93									
STATUS: Analyzing cross-section reach 4.000.									
STATUS: (3280) For cross-section 4.00, ends have been extended vertically 0.71 meters in order to calculate the hydraulic cross-section properties.									
WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).									
WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.									
STATUS: (3495) Overbank area assumed noneffective.									
Left Overbank Elevation (m, XLBEL) 359.32									
Right Overbank Elevation (m, RBEL) 359.54									
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK		
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS		
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL		
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC		
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT		

4.000	0.000	0.020	0.000	1.01	359.31	359.58	0.00		
0.064653	5	5	5	362.19	2.88	0.41	-0.19		
0.70	0	1	0	0.00	359.32	359.44	20		
12	0	11	0	1.7	3.78	5.44	21		
0.01	0.00	7.52	0.00	0.000	1.3	358.30	0		
FLOW DISTRIBUTION :									

Cross-Section Number (SECNO) 4.000									
Total Discharge (cms, Q) 12									
Computed Water Surface Elevation (m MSL, CWSEL) 359.31									
Station (m) = 3.8 5.7									
Flow (%) = 100.0									
Area (sq m) = 1.6									
Vel (m/s) = 7.52									
Depth (m) = 0.96									
STATUS: Analyzing cross-section reach 3.000.									
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STATUS: (3280) For cross-section 3.00, ends have been extended vertically 0.74 meters in order to calculate the hydraulic cross-section properties.							
STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.							
WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).							
WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.							
STATUS: (3495) Overbank area assumed noneffective.							
Left Overbank Elevation (m, XLBEL)							359.30
Right Overbank Elevation (m, RBEL)							359.30
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

3.000	0.000	0.020	0.000	1.06	359.30	359.32	0.00
0.086598	3	3	3	362.88	3.58	0.29	0.08
0.71	0	1	0	0.00	359.25	359.25	20
12	0	11	0	1.4	3.50	4.89	9
0.01	0.00	8.39	0.00	0.000	1.3	358.24	0
FLOW DISTRIBUTION :							

Cross-Section Number (SECNO)							3.000
Total Discharge (cms, Q)							12
Computed Water Surface Elevation (m MSL, CWSEL)							359.30
Station (m)	=	3.5	4.9				
Flow (%)	=	100.0					
Area (sq m)	=	1.4					
Vel (m/s)	=	8.39					
Depth (m)	=	1.03					
STATUS: Analyzing cross-section reach 2.000.							
STATUS: (3280) For cross-section 2.00, ends have been extended vertically 0.17 meters in order to calculate the hydraulic cross-section properties.							
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STATUS: (3495) Overbank area assumed noneffective.								
Left Overbank Elevation (m, XLBEL)							358.86	
Right Overbank Elevation (m, RBEL)							358.60	
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	

2.000	0.000	0.020	0.050	0.81	358.71	359.29	0.00	
0.098508	1	1	1	362.78	4.07	0.10	0.00	
0.71	0	1	0	0.00	358.86	358.58	7	

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

	42.000	3.20	0.00	0.00	389.77	12.00	390.68	391.03	391.88	1280.47	5.56	2.77	0.34
	41.000	3.10	0.00	0.00	389.55	20.20	390.44	390.88	391.98	1374.31	6.16	3.86	0.54
	41.000	3.10	0.00	0.00	389.55	17.50	390.38	390.79	391.84	1478.35	5.98	3.40	0.46
	41.000	3.10	0.00	0.00	389.55	16.00	390.34	390.73	391.73	1525.67	5.83	3.15	0.41
	41.000	3.10	0.00	0.00	389.55	12.00	390.25	390.58	391.43	1665.78	5.40	2.54	0.29
	40.000	2.80	0.00	0.00	389.27	20.20	390.01	390.44	391.58	1502.51	6.11	3.79	0.52
	40.000	2.80	0.00	0.00	389.27	17.50	389.97	390.36	391.42	1527.18	5.78	3.42	0.45
	40.000	2.80	0.00	0.00	389.27	16.00	389.92	390.32	391.30	1520.49	5.56	3.23	0.41
	40.000	2.80	0.00	0.00	389.27	12.00	389.84	390.14	390.97	1605.72	4.89	2.56	0.30
	39.000	2.80	0.00	0.00	388.68	20.20	389.47	389.90	391.14	1647.34	6.53	3.76	0.50
	39.000	2.80	0.00	0.00	388.68	17.50	389.40	389.80	390.96	1768.97	6.29	3.30	0.42
	39.000	2.80	0.00	0.00	388.68	16.00	389.37	389.75	390.84	1800.86	6.10	3.09	0.38
	39.000	2.80	0.00	0.00	388.68	12.00	389.30	389.61	390.49	1845.10	5.45	2.54	0.28
	38.000	3.10	0.00	0.00	387.61	20.20	388.83	389.30	390.62	1655.99	6.66	3.66	0.50
	38.000	3.10	0.00	0.00	387.61	17.50	388.77	389.23	390.43	1667.68	6.38	3.32	0.43
	38.000	3.10	0.00	0.00	387.61	16.00	388.75	389.18	390.31	1620.30	6.18	3.14	0.40
*	38.000	3.10	0.00	0.00	387.61	12.00	388.70	389.04	389.85	1273.80	5.27	2.78	0.34
	37.000	2.59	0.00	0.00	387.39	20.20	388.53	389.00	390.24	1313.70	6.45	3.83	0.56
	37.000	2.59	0.00	0.00	387.39	17.50	388.47	388.91	390.05	1284.14	6.16	3.49	0.49
	37.000	2.59	0.00	0.00	387.39	16.00	388.44	388.86	389.94	1267.39	5.98	3.29	0.45
	37.000	2.59	0.00	0.00	387.39	12.00	388.37	388.71	389.55	1091.78	5.25	2.81	0.36
	36.000	2.47	0.00	0.00	386.83	20.20	388.13	388.58	389.92	1332.30	6.30	3.86	0.55
	36.000	2.47	0.00	0.00	386.83	17.50	388.08	388.50	389.73	1311.10	6.00	3.43	0.48
	36.000	2.47	0.00	0.00	386.83	16.00	388.05	388.44	389.63	1297.55	5.82	3.19	0.44
*	36.000	2.47	0.00	0.00	386.83	12.00	387.99	388.31	389.13	1030.38	4.91	2.72	0.37
	35.000	3.00	0.00	0.00	386.11	20.20	387.21	387.74	389.44	1877.06	7.50	3.32	0.47
	35.000	3.00	0.00	0.00	386.11	17.50	387.16	387.65	389.26	1881.93	7.26	2.99	0.40
	35.000	3.00	0.00	0.00	386.11	16.00	387.13	387.59	389.16	1886.23	7.12	2.80	0.37
	35.000	3.00	0.00	0.00	386.11	12.00	387.06	387.45	388.74	1695.77	6.40	2.36	0.29
	34.000	3.26	0.00	0.00	385.31	20.20	386.24	386.71	388.67	3160.51	8.20	3.17	0.36
	34.000	3.26	0.00	0.00	385.31	17.50	386.20	386.64	388.48	3157.32	7.95	2.87	0.31
	34.000	3.26	0.00	0.00	385.31	16.00	386.18	386.60	388.38	3153.43	7.80	2.70	0.28
	34.000	3.26	0.00	0.00	385.31	12.00	386.13	386.47	388.02	2971.26	7.17	2.25	0.22
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PROJECT TITLE : Stato di fatto													
PROJECT NUMBER : Analisi idraulica Rio Calcinera													
4/06/2021													
Cross-Section Number	Channel Reach Length (m)	Top of Roadway Elevation (m MSL)	Max. Low Chord Elevation (M MSL)	Minimum C. S. Elevation (m MSL)	Discharge Flow (cms)	Computed W. S. Elevation (m MSL)	Critical W. S. Elevation (m MSL)	Energy Gradient Elevation (m MSL)	Energy Gradient Slope * 10,000	Channel Mean Flow Velocity (m/s)	Cross-Section Area (sq m)	Index Q (0.01 * Convey.)	
SECCNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K	
	33.000	2.44	0.00	0.00	384.83	20.20	385.99	386.47	388.12	1654.52	7.15	3.38	0.50
	33.000	2.44	0.00	0.00	384.83	17.50	385.94	386.39	387.94	1650.02	6.90	3.05	0.43
	33.000	2.44	0.00	0.00	384.83	16.00	385.90	386.35	387.84	1650.87	6.75	2.86	0.39
	33.000	2.44	0.00	0.00	384.83	12.00	385.82	386.23	387.50	1585.20	6.22	2.34	0.30
*	32.000	2.91	0.00	0.00	384.42	20.20	385.50	385.97	387.62	1753.25	7.53	3.60	0.48
	32.000	2.91	0.00	0.00	384.42	17.50	385.46	385.89	387.42	1703.57	7.17	3.29	0.42
	32.000	2.91	0.00	0.00	384.42	16.00	385.44	385.85	387.35	1695.30	7.02	3.13	0.39
	32.000	2.91	0.00	0.00	384.42	12.00	385.37	385.71	387.04	1620.87	6.40	2.57	0.30
	31.000	3.35	0.00	0.00	383.51	20.20	384.62	385.33	387.00	1988.33	7.33	3.28	0.45
	31.000	3.35	0.00	0.00	383.51	17.50	384.77	385.26	386.81	1958.47	7.00	2.98	0.40
	31.000	3.35	0.00	0.00	383.51	16.00	384.73	385.20	386.73	1991.19	6.99	2.77	0.36
	31.000	3.35	0.00	0.00	383.51	12.00	384.64	385.07	386.45	1926.56	6.53	2.27	0.27
	30.000	3.34	0.00	0.00	382.18	20.20	384.01	384.59	386.40	1642.83	7.16	3.30	0.50
*	30.000	3.34	0.00	0.00	382.18	17.50	383.94	384.47	386.22	1582.02	6.86	2.97	0.44
	30.000	3.34	0.00	0.00	382.18	16.00	383.89	384.44	386.16	1594.65	6.75	2.71	0.40
	30.000	3.34	0.00	0.00	382.18	12.00	383.65	384.25	385.83	1775.44	6.54	1.83	0.28
	29.000	3.17	0.00	0.00	381.71	20.20	383.65	384.26	385.81	2068.54	7.13	3.29	0.44
	29.000	3.17	0.00	0.00	381.71	17.50	383.59	384.08	385.65	2019.92	6.91	2.97	0.39
	29.000	3.17	0.00	0.00	381.71	16.00	383.54	384.01	385.60	2028.42	6.82	2.76	0.36
	29.000	3.17	0.00	0.00	381.71	12.00	383.44	383.87	385.26	1811.09	6.21	2.23	0.28
	28.000	4.02	0.00	0.00	380.86	20.20	382.94	383.49	385.10	1553.21	6.83	3.43	0.51
	28.000	4.02	0.00	0.00	380.86	17.50	382.87	383.42	384.96	1514.18	6.58	3.00	0.45
	28.000	4.02	0.00	0.00	380.86	16.00	382.82	383.36	384.89	1517.83	6.48	2.70	0.41
	28.000	4.02	0.00	0.00	380.86	12.00	382.49	383.16	384.55	1743.12	6.35	1.89	0.29
*	27.000	16.15	0.00	0.00	378.80	20.20	380.85	381.42	383.65	581.30	7.89	3.73	0.84
*	27.000	16.15	0.00	0.00	378.80	17.50	380.76	381.35	383.54	570.63	7.62	3.16	0.73
*	27.000	16.15	0.00	0.00	378.80	16.00	380.69	381.28	383.46	582.53	7.49	2.64	0.66
*	27.000	16.15	0.00	0.00	378.80	12.00	380.37	381.17	383.00	607.19	7.17	1.67	0.49
	26.000	13.18	0.00	0.00	377.14	20.20	379.28	380.09	382.81	704.91	8.39	2.77	0.76
	26.000	13.18	0.00	0.00	377.14	17.50	379.04	380.01	382.66	783.07	8.44	2.07	0.63
	26.000	13.18	0.00	0.00	377.14	16.00	378.88	379.90	382.56	818.13	8.50	1.88	0.56
	26.000	13.18	0.00	0.00	377.14	12.00	378.52	379.68	382.05	865.48	8.33	1.44	0.41
	25.000	13.36	0.00	0.00	375.46	20.20	377.45	378.29	381.75	893.80	9.20	2.29	0.68
	25.000	13.36	0.00	0.00	375.46	17.50	377.23	378.24	381.51	951.48	9.18	1.91	0.57
	25.000	13.36	0.00	0.00	375.46	16.00	377.09	378.11	381.36	977.70	9.16	1.75	0.51
	25.000	13.36	0.00	0.00	375.46	12.00	376.76	377.98	380.80	1018.23	8.91	1.35	0.38
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PROJECT TITLE : Stato di fatto													
PROJECT NUMBER : Analisi idraulica Rio Calcinera													
4/06/2021													
Cross-Section Number	Channel Reach Length (m)	Top of Roadway Elevation (m MSL)	Max. Low Chord Elevation (M MSL)	Minimum C. S. Elevation (m MSL)	Discharge Flow (cms)	Computed W. S. Elevation (m MSL)	Critical W. S. Elevation (m MSL)	Energy Gradient Elevation (m MSL)	Energy Gradient Slope * 10,000	Channel Mean Flow Velocity (m/s)	Cross-Section Area (sq m)	Index Q (0.01 * Convey.)	
SECCNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01K	
	24.000	15.08	0.00	0.00	373.56	20.20	375.39	376.15	380.31	1035.49	9.93	2.49	0.63
	24.000	15.08	0.00	0.00	373.56	17.50	375.24	376.11	379.99	1071.49	9.67	1.81	0.53
	24.000	15.08	0.00	0.00	373.56	16.00	375.13	376.04	379.81	1085.40	9.59	1.67	0.49
	24.000	15.08	0.00	0.00	373.56	12.00	374.82	375.84	379.19	1118.65	9.26	1.30	0.36
	23.000	19.81	0.00	0.00	371.07	20.							

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

	21.000	20.37	0.00	0.00	366.59	16.00	368.20	369.15	372.61	1013.49	9.31	1.72	0.50
	21.000	20.37	0.00	0.00	366.59	12.00	367.89	369.03	371.89	1005.76	8.86	1.35	0.38
*	20.000	17.08	0.00	0.00	365.48	20.20	367.09	367.36	374.04	1589.66	11.68	1.73	0.51
*	20.000	17.08	0.00	0.00	365.48	17.50	367.12	367.24	372.10	1116.02	9.89	1.77	0.52
*	20.000	17.08	0.00	0.00	365.48	16.00	367.12	367.18	371.28	932.65	9.04	1.77	0.52
	20.000	17.08	0.00	0.00	365.48	12.00	366.86	367.15	370.32	842.81	8.24	1.46	0.41
*	19.000	22.12	0.00	0.00	364.04	20.20	365.62	366.12	368.62	890.16	8.81	3.78	0.68
*	19.000	22.12	0.00	0.00	364.04	17.50	365.57	366.05	368.30	806.20	8.24	3.40	0.52
*	19.000	22.12	0.00	0.00	364.04	16.00	365.57	366.04	370.46	1142.29	9.80	1.63	0.47
	19.000	22.12	0.00	0.00	364.04	12.00	365.49	365.89	368.58	736.28	7.79	1.54	0.44
*	18.000	15.95	0.00	0.00	363.00	20.20	364.77	365.31	366.91	607.65	7.44	4.96	0.82
*	18.000	15.95	0.00	0.00	363.00	17.50	364.77	365.19	366.34	444.37	6.38	4.13	0.83
	18.000	15.95	0.00	0.00	363.00	16.00	364.64	365.14	368.80	946.36	9.05	1.77	0.52
	18.000	15.95	0.00	0.00	363.00	12.00	364.48	365.03	367.43	699.21	7.62	1.58	0.45
*	17.000	15.57	0.00	0.00	361.99	20.20	363.92	364.36	366.06	510.84	7.34	4.95	0.89
	17.000	15.57	0.00	0.00	361.99	17.50	363.89	364.30	365.67	421.14	6.60	4.68	0.85
*	17.000	15.57	0.00	0.00	361.99	16.00	363.66	364.27	367.63	894.35	8.83	1.81	0.54
	17.000	15.57	0.00	0.00	361.99	12.00	363.49	364.13	366.36	676.79	7.51	1.60	0.46
	16.000	11.62	0.00	0.00	361.49	20.20	363.15	363.60	365.41	614.70	7.78	4.72	0.81
	16.000	11.62	0.00	0.00	361.49	17.50	363.12	363.53	365.12	539.68	7.19	4.32	0.75
	16.000	11.62	0.00	0.00	361.49	16.00	362.96	363.48	366.58	928.82	8.88	2.63	0.53
*	16.000	11.62	0.00	0.00	361.49	12.00	362.93	363.40	365.39	620.05	7.17	2.31	0.48

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Cross- Section Number	Channel Reach Length (m)	Top of Roadway Elevation (m MSL)	Max. Low Chord Elevation (M MSL)	Minimum C. S. Elevation (m MSL)	Discharge Flow (cms) Q	Computed W. S. Elevation (m MSL) CWSEL	Critical W. S. Elevation (m MSL) CRIWS	Energy Gradient Elevation (m MSL) EG	Energy Gradient Slope * 10,000 10K*S	Channel Mean Flow Velocity (m/s) VCH	Cross- Section Area (sq m) AREA	Index Q (0.01 * Convey.) .01K	
SECNO	XLCH	ELTRD	ELLC	ELMIN									
15.000	21.22	0.00	0.00	360.79	20.20	362.57	362.97	364.34	416.36	7.06	5.45	0.99	
15.000	21.22	0.00	0.00	360.79	17.50	362.53	362.90	364.16	380.74	6.63	4.94	0.90	
15.000	21.22	0.00	0.00	360.79	16.00	362.40	362.90	365.02	593.70	7.81	3.39	0.66	
15.000	21.22	0.00	0.00	360.79	12.00	362.36	362.79	364.31	425.37	6.50	2.98	0.58	
14.000	14.42	0.00	0.00	360.36	20.20	362.27	362.68	363.81	327.29	6.53	5.47	1.12	
14.000	14.42	0.00	0.00	360.36	17.50	362.21	362.61	363.67	309.90	6.21	4.91	0.99	
14.000	14.42	0.00	0.00	360.36	16.00	362.07	362.57	364.27	462.58	7.15	3.62	0.74	
14.000	14.42	0.00	0.00	360.36	12.00	361.99	362.44	363.74	368.29	6.15	2.87	0.63	
13.000	11.05	0.00	0.00	360.02	20.20	361.78	362.20	363.42	381.51	6.86	5.30	1.03	
13.000	11.05	0.00	0.00	360.02	17.50	361.72	362.13	363.30	367.93	6.56	4.75	0.91	
13.000	11.05	0.00	0.00	360.02	16.00	361.62	362.08	363.74	492.89	7.24	3.82	0.72	
13.000	11.05	0.00	0.00	360.02	12.00	361.54	361.94	363.31	407.37	6.34	3.11	0.59	
12.000	4.50	0.00	0.00	359.90	20.20	361.81	362.22	363.25	383.03	6.42	5.09	1.03	
12.000	4.50	0.00	0.00	359.90	17.50	361.73	362.14	363.13	378.62	6.20	4.54	0.90	
12.000	4.50	0.00	0.00	359.90	16.00	361.59	362.07	363.51	527.35	6.84	3.61	0.70	
12.000	4.50	0.00	0.00	359.90	12.00	361.49	361.91	363.12	449.74	6.13	2.89	0.57	
* * * *	11.000 11.000 11.000 11.000	15.11 15.11 15.11 15.11	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	359.28 359.28 359.28 359.28	20.20 17.50 16.00 12.00	361.75 362.09 361.80 361.22	362.34 362.09 361.95 361.55	364.02 363.36 363.17 362.70	213.11 99.54 125.29 189.88	6.86 5.14 5.32 5.45	3.52 4.14 3.60 2.58	1.38 1.75 1.43 0.87
* * * *	10.000 10.000 10.000 10.000	14.97 14.97 14.97 14.97	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	358.73 358.73 358.73 358.73	20.20 17.50 16.00 12.00	360.10 360.11 360.10 360.09	360.67 360.50 360.47 360.26	362.36 361.77 364.09 362.36	630.68 460.41 835.97 478.56	7.70 6.60 8.85 6.68	3.69 3.73 1.81 1.80	0.80 0.82 0.55 0.55
* * * *	9.000 9.000 9.000 9.000	4.36 4.36 4.36 4.36	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	358.68 358.68 358.68 358.68	20.20 17.50 16.00 12.00	360.00 360.00 360.00 360.00	360.25 360.18 360.13 360.11	361.63 361.22 364.29 362.41	501.45 377.46 921.63 517.87	6.78 5.88 9.18 6.88	4.16 4.16 1.74 1.74	0.90 0.90 0.53 0.53
* * * *	8.000 8.000 8.000 8.000	3.87 3.87 3.87 3.87	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	358.61 358.61 358.61 358.61	20.20 17.50 16.00 12.00	359.67 359.72 359.67 359.67	360.08 360.01 359.96 359.84	361.40 360.87 366.32 363.42	714.36 450.53 1803.51 1019.20	7.20 5.87 11.43 8.59	3.92 4.16 1.40 1.40	0.76 0.82 0.38 0.38
7.000 7.000 7.000 7.000	1.00 1.00 1.00 1.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	358.59 358.59 358.59 358.59	20.20 17.50 16.00 12.00	359.68 359.71 359.48 359.45	360.09 360.01 359.97 359.80	361.33 360.83 366.15 363.33	554.60 357.77 1659.38 973.05	6.89 5.66 11.45 8.72	4.25 4.47 1.40 1.38	0.86 0.93 0.39 0.38

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Cross- Section Number	Channel Reach Length (m)	Top of Roadway Elevation (m MSL)	Max. Low Chord Elevation (M MSL)	Minimum C. S. Elevation (m MSL)	Discharge Flow (cms) Q	Computed W. S. Elevation (m MSL) CWSEL	Critical W. S. Elevation (m MSL) CRIWS	Energy Gradient Elevation (m MSL) EG	Energy Gradient Slope * 10,000 10K*S	Channel Mean Flow Velocity (m/s) VCH	Cross- Section Area (sq m) AREA	Index Q (0.01 * Convey.) .01K	
SECNO	XLCH	ELTRD	ELLC	ELMIN									
	6.000	4.94	0.00	0.00	358.50	20.20	359.58	359.96	361.07	510.18	6.60	4.42	0.89
	6.000	4.94	0.00	0.00	358.50	17.50	359.61	359.88	360.65	344.72	5.52	4.58	0.94
	6.000	4.94	0.00	0.00	358.50	16.00	359.42	359.84	365.39	1440.00	10.83	1.48	0.42
	6.000	4.94	0.00	0.00	358.50	12.00	359.40	359.71	362.88	847.64	8.26	1.45	0.41
*	5.000	5.11	0.00	0.00	358.41	20.20	359.52	359.71	360.65	377.56	5.84	4.99	1.04
*	5.000	5.11	0.00	0.00	358.41	17.50	359.50	359.64	360.39	301.52	5.17	4.88	1.01
	5.000	5.11	0.00	0.00	358.41	16.00	359.37	359.61	364.71	1235.56	10.24	1.56	0.46
	5.000	5.11	0.00	0.00	358.41	12.00	359.35	359.60	362.48	731.33	7.83	1.53	0.44
*	4.000	5.91	0.00	0.00	358.30	20.20	359.54	359.61	360.67	313.95	5.77	5.17	1.14
*	4.000	5.91	0.00	0.00	358.30	17.50	359.54	359.56	360.39	238.07	5.01	5.15	1.13
*	4.000	5.91	0.00	0.00	358.30	16.00	359.32	359.54	364.36	1211.17	9.95	1.61	0.46
*	4.000	5.91	0.00	0.00	358.30	12.00	359.31	359.58	362.19	646.53	7.52	1.60	0.47
*	3.000	3.94	0.00	0.00	358.24	20.20	359.35	359.58	360.21	363.81	5.61	6.05	1.06
*	3.000	3.94	0.00	0.00	358.24	17.50	359.33	359.50	360.61	290.00	4.96	5.92	1.03
*	3.000	3.94	0.00	0.00	358.24	16.00	359.30	359.45	365.68	1544.80	11.19	1.43	0.41
*	3.000	3.94	0.00	0.00	358.24	12.00	359.30	359.32	362.88	865.98	8.39	1.43	0.41
*	2.000	1.03	0.00	0.00	357.90	20.20	359.30	359.61	360.39	171.94	5.58	6.33	1.54
*	2.000	1.03	0.00	0.00	357.90	17.50	359.51	359.51	360.01	67.76	3.88	7.98	2.13
	2.000	1.03	0.00	0.00	357.90	16.00	358.72	359.45	365.51	1618.08	11.82	1.68	0.40
	2.000	1.03	0.00	0.00	357.90	12.00	358.71	359.29	362.78	985.08	9.13	1.61	0.38
*	1.000	6.72	0.00	0.00	357.70	20.20	359.01	359.34	360.17	855.19	5.53	4.64	0.69
*	1.000	6.72	0.00	0.00	357.70	17.50	358.99	359.27	359.91	693.14	4.92	4.52	0.66
*	1.000	6.72	0.00	0.00	357.70	16.00	358.63	359.22	363.69	5491.33	10.91	1.82	0.22
*	1.000	6.72	0.00	0.00	357.70	12.00	358.61	359.08	361.67	3356.07	8.45	1.76	0.21

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

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SUMMARY PRINTOUT TABLE 150 : Stato di fatto

201380e.dwg Analisi idraulica Rio Calcinera								
Cross- Section Number	Discharge Flow (cms) Q	Computed W. S. Elevation (m MSL) CWSEL	W.S. Elev Diff per Profile (m) DIFWSP	W.S. Elev Diff per Section (m) DIFWSX	W.S. Elev Diff per Know/Comp (m) DIFKWS	Water Surface Top Width (m) TOPWID	Channel Reach Length (m) XLCH	
SECNO								
	48.000	20.20	393.80	0.00	0.00	0.00	11.97	0.00
	48.000	17.50	393.70	-0.10	0.00	0.00	9.64	0.00
	48.000	16.00	393.65	-0.05	0.00	0.00	8.94	0.00
	48.000	12.00	393.45	-0.20	0.00	0.00	4.70	0.00
	47.000	20.20	393.36	0.00	-0.44	0.00	9.62	2.70
*	47.000	17.50	393.28	-0.08	-0.42	0.00	8.08	2.70
	47.000	16.00	393.23	-0.05	-0.42	0.00	3.61	2.70
	47.000	12.00	392.97	-0.26	-0.48	0.00	3.00	2.70
	46.000	20.20	392.88	0.00	-0.48	0.00	9.81	3.70
*	46.000	17.50	392.88	0.00	-0.40	0.00	4.60	3.70
	46.000	16.00	392.83	-0.05	-0.40	0.00	4.23	3.70
	46.000	12.00	392.64	-0.19	-0.33	0.00	3.65	3.70
	45.000	20.20	391.75	0.00	-1.13	0.00	7.96	4.00
*	45.000	17.50	391.69	-0.06	-1.19	0.00	7.84	4.00
	45.000	16.00	391.66	-0.03	-1.16	0.00	7.79	4.00
	45.000	12.00	391.59	-0.08	-1.05	0.00	7.64	4.00
	44.000	20.20	391.41	0.00	-0.34	0.00	6.54	3.10
	44.000	17.50	391.33	-0.08	-0.36	0.00	6.41	3.10
	44.000	16.00	391.30	-0.03	-0.37	0.00	6.38	3.10
	44.000	12.00	391.21	-0.09	-0.38	0.00	6.27	3.10
	43.000	20.20	391.21	0.00	-0.19	0.00	6.46	3.30
	43.000	17.50	391.13	-0.08	-0.20	0.00	6.37	3.30
	43.000	16.00	391.11	-0.02	-0.18	0.00	6.34	3.30
	43.000	12.00	391.01	-0.10	-0.19	0.00	6.24	3.30
	42.000	20.20	390.88	0.00	-0.33	0.00	7.83	3.20
	42.000	17.50	390.81	-0.07	-0.32	0.00	6.83	3.20
	42.000	16.00	390.78	-0.03	-0.33	0.00	6.49	3.20
	42.000	12.00	390.68	-0.10	-0.34	0.00	6.39	3.20
	41.000	20.20	390.44	0.00	-0.45	0.00	8.14	3.10
	41.000	17.50	390.38	-0.06	-0.43	0.00	7.54	3.10

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Cross- Section Number	Discharge Flow (cms) Q	Computed W. S. Elevation (m MSL) CWSEL	W.S. Elev Diff per Profile (m) DIFWSP	W.S. Elev Diff per Section (m) DIFWSX	W.S. Elev Diff per Know/Comp (m) DIFKWS	Water Surface Top Width (m) TOPWID	Channel Reach Length (m) XLCH	
SECNO								
	41.000	16.00	390.34	-0.04	-0.44	0.00	7.14	3.10
	41.000	12.00	390.25	-0.09	-0.43	0.00	5.99	3.10
	40.000	20.20	390.01	0.00	-0.43	0.00	7.60	2.80
	40.000	17.50	389.97	-0.04	-0.41	0.00	7.49	2.80
	40.000	16.00	389.92	-0.04	-0.42	0.00	7.45	2.80
	40.000	12.00	389.84	-0.09	-0.41	0.00	6.10	2.80
	39.000	20.20	389.47	0.00	-0.54	0.00	8.16	2.80
	39.000	17.50	389.40	-0.06	-0.56	0.00	7.43	2.80
	39.000	16.00	389.37	-0.03	-0.55	0.00	7.05	2.80
	39.000	12.00	389.30	-0.08	-0.54	0.00	6.62	2.80
	38.000	20.20	388.83	0.00	-0.64	0.00	7.29	3.10
	38.000	17.50	388.77	-0.06	-0.63	0.00	7.16	3.10
*	38.000	16.00	388.75	-0.02	-0.62	0.00	7.12	3.10
	38.000	12.00	388.70	-0.05	-0.59	0.00	7.04	3.10
	37.000	20.20	388.53	0.00	-0.30	0.00	6.95	2.59
	37.000	17.50	388.47	-0.05	-0.30	0.00	6.91	2.59
	37.000	16.00	388.44	-0.03	-0.31	0.00	6.88	2.59
	37.000	12.00	388.37	-0.07	-0.34	0.00	6.82	2.59
	36.000	20.20	388.13	0.00	-0.40	0.00	8.62	2.47
	36.000	17.50	388.08	-0.05	-0.40	0.00	8.58	2.47
	36.000	16.00	388.05	-0.03	-0.39	0.00	8.55	2.47
*	36.000	12.00	387.99	-0.06	-0.38	0.00	6.36	2.47
	35.000	20.20	387.21	0.00	-0.91	0.00	6.12	3.00
	35.000	17.50	387.16	-0.05	-0.92	0.00	6.05	3.00
	35.000	16.00	387.13	-0.03	-0.92	0.00	6.01	3.00
	35.000	12.00	387.06	-0.07	-0.93	0.00	5.91	3.00
	34.000	20.20	386.24	0.00	-0.98	0.00	8.38	3.26
	34.000	17.50	386.20	-0.03	-0.95	0.00	8.33	3.26
	34.000	16.00	386.18	-0.02	-0.94	0.00	8.30	3.26
	34.000	12.00	386.13	-0.05	-0.93	0.00	8.22	3.26
	33.000	20.20	385.99	0.00	-0.25	0.00	6.02	2.44
	33.000	17.50	385.94	-0.05	-0.27	0.00	5.95	2.44
	33.000	16.00	385.90	-0.03	-0.28	0.00	5.90	2.44
	33.000	12.00	385.82	-0.09	-0.31	0.00	5.78	2.44
	32.000	20.20	385.50	0.00	-0.49	0.00	8.10	2.91

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Cross- Section Number	Discharge Flow (cms) Q	Computed W. S. Elevation (m MSL) CWSEL	W.S. Elev Diff per Profile (m) DIFWSP	W.S. Elev Diff per Section (m) DIFWSX	W.S. Elev Diff per Know/Comp (m) DIFKWS	Water Surface Top Width (m) TOPWID	Channel Reach Length (m) XLCH	
SECNO								
*	32.000	17.50	385.46	-0.04	-0.48	0.00	8.10	2.91
	32.000	16.00	385.44	-0.02	-0.47	0.00	8.10	2.91
	32.000	12.00	385.37	-0.07	-0.45	0.00	8.10	2.91
	31.000	20.20	384.82	0.00	-0.68	0.00	5.98	3.35
	31.000	17.50	384.77	-0.05	-0.69	0.00	5.92	3.35

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

	31.000	16.00	384.73	-0.04	-0.71	0.00	5.89	3.35
	31.000	12.00	384.64	-0.09	-0.73	0.00	5.80	3.35
	30.000	20.20	384.01	0.00	-0.81	0.00	5.34	3.34
	30.000	17.50	383.94	-0.06	-0.82	0.00	5.32	3.34
*	30.000	16.00	383.89	-0.05	-0.84	0.00	5.29	3.34
	30.000	12.00	383.65	-0.24	-0.99	0.00	1.86	3.34
	29.000	20.20	383.65	0.00	-0.36	0.00	5.08	3.17
	29.000	17.50	383.59	-0.06	-0.35	0.00	5.05	3.17
	29.000	16.00	383.54	-0.05	-0.35	0.00	5.04	3.17
	29.000	12.00	383.44	-0.10	-0.21	0.00	4.99	3.17
	28.000	20.20	382.94	0.00	-0.70	0.00	5.28	4.02
	28.000	17.50	382.87	-0.07	-0.72	0.00	5.26	4.02
	28.000	16.00	382.82	-0.05	-0.72	0.00	5.20	4.02
	28.000	12.00	382.49	-0.32	-0.94	0.00	1.60	4.02
	27.000	20.20	380.85	0.00	-2.10	0.00	8.04	16.15
*	27.000	17.50	380.76	-0.09	-2.11	0.00	7.59	16.15
*	27.000	16.00	380.69	-0.07	-2.13	0.00	6.75	16.15
*	27.000	12.00	380.37	-0.32	-2.12	0.00	1.22	16.15
	26.000	20.20	379.28	0.00	-1.57	0.00	6.41	13.18
	26.000	17.50	379.04	-0.24	-1.72	0.00	1.22	13.18
	26.000	16.00	378.88	-0.16	-1.81	0.00	1.22	13.18
	26.000	12.00	378.52	-0.36	-1.86	0.00	1.21	13.18
	25.000	20.20	377.45	0.00	-1.83	0.00	3.56	13.36
	25.000	17.50	377.23	-0.22	-1.81	0.00	1.21	13.36
	25.000	16.00	377.09	-0.14	-1.79	0.00	1.21	13.36
	25.000	12.00	376.76	-0.33	-1.76	0.00	1.21	13.36
	24.000	20.20	375.39	0.00	-2.06	0.00	7.98	15.08
	24.000	17.50	375.24	-0.15	-1.99	0.00	1.22	15.08
	24.000	16.00	375.13	-0.11	-1.96	0.00	1.22	15.08
	24.000	12.00	374.82	-0.31	-1.94	0.00	1.21	15.08

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Cross- Section Number	Discharge Flow	Computed W. S. Elevation (m MSL) CWSEL	W.S. Elev Diff per Profile (m) DIFWSP	W.S. Elev Diff per Section (m) DIFWSX	W.S. Elev Diff per Know/Comp (m) DIFKWS	Water Surface Top Width (m) TOPWID	Channel Reach Length (m) XLCH	
SECNO	(cms) Q							
23.000	20.20	372.88	0.00	-2.51	0.00	6.71	19.81	
23.000	17.50	372.70	-0.19	-2.54	0.00	1.22	19.81	
23.000	16.00	372.58	-0.11	-2.54	0.00	1.22	19.81	
23.000	12.00	372.29	-0.29	-2.53	0.00	1.21	19.81	
22.000	20.20	370.00	0.00	-2.88	0.00	1.22	22.68	
22.000	17.50	369.82	-0.18	-2.88	0.00	1.21	22.68	
22.000	16.00	369.71	-0.17	-2.87	0.00	1.21	22.68	
22.000	12.00	369.42	-0.29	-2.87	0.00	1.21	22.68	
21.000	20.20	368.49	0.00	-1.51	0.00	1.22	20.37	
21.000	17.50	368.31	-0.18	-1.51	0.00	1.22	20.37	
21.000	16.00	368.20	-0.11	-1.51	0.00	1.21	20.37	
21.000	12.00	367.89	-0.31	-1.53	0.00	1.21	20.37	
*	20.000	20.20	367.09	0.00	-1.40	0.00	1.22	17.08
*	20.000	17.50	367.12	0.03	-1.19	0.00	1.22	17.08
*	20.000	16.00	367.12	0.00	-1.08	0.00	1.22	17.08
	20.000	12.00	366.86	-0.26	-1.03	0.00	1.22	17.08
*	19.000	20.20	365.62	0.00	-1.47	0.00	9.50	22.12
*	19.000	17.50	365.57	-0.05	-1.55	0.00	7.96	22.12
*	19.000	16.00	365.57	0.00	-1.55	0.00	1.22	22.12
	19.000	12.00	365.49	-0.08	-1.37	0.00	1.22	22.12
*	18.000	20.20	364.77	0.00	-0.85	0.00	9.77	15.95
*	18.000	17.50	364.77	0.01	-0.80	0.00	10.00	15.95
	18.000	16.00	364.64	-0.13	-0.93	0.00	1.22	15.95
	18.000	12.00	364.48	-0.16	-1.01	0.00	1.22	15.95
*	17.000	20.20	363.92	0.00	-0.85	0.00	12.42	15.57
*	17.000	17.50	363.89	-0.02	-0.88	0.00	12.20	15.57
*	17.000	16.00	363.66	-0.23	-0.98	0.00	1.22	15.57
	17.000	12.00	363.49	-0.18	-0.99	0.00	1.22	15.57
	16.000	20.20	363.15	0.00	-0.76	0.00	12.63	11.62
	16.000	17.50	363.12	-0.03	-0.78	0.00	12.63	11.62
	16.000	16.00	362.96	-0.16	-0.70	0.00	8.64	11.62
*	16.000	12.00	362.93	-0.03	-0.56	0.00	8.64	11.62
	15.000	20.20	362.57	0.00	-0.58	0.00	11.91	21.22
	15.000	17.50	362.53	-0.04	-0.59	0.00	11.91	21.22
	15.000	16.00	362.40	-0.13	-0.56	0.00	11.91	21.22
	15.000	12.00	362.36	-0.04	-0.57	0.00	11.91	21.22

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Cross- Section Number	Discharge Flow	Computed W. S. Elevation (m MSL) CWSEL	W.S. Elev Diff per Profile (m) DIFWSP	W.S. Elev Diff per Section (m) DIFWSX	W.S. Elev Diff per Know/Comp (m) DIFKWS	Water Surface Top Width (m) TOPWID	Channel Reach Length (m) XLCH	
SECNO	(cms) Q							
14.000	20.20	362.27	0.00	-0.30	0.00	9.16	14.42	
14.000	17.50	362.21	-0.06	-0.32	0.00	9.16	14.42	
14.000	16.00	362.07	-0.14	-0.33	0.00	9.16	14.42	
14.000	12.00	361.99	-0.08	-0.37	0.00	9.16	14.42	
13.000	20.20	361.78	0.00	-0.49	0.00	8.98	11.05	
13.000	17.50	361.72	-0.06	-0.49	0.00	8.98	11.05	
13.000	16.00	361.62	-0.10	-0.45	0.00	8.98	11.05	
13.000	12.00	361.54	-0.08	-0.45	0.00	8.98	11.05	
12.000	20.20	361.81	0.00	0.03	0.00	6.85	4.50	
12.000	17.50	361.73	-0.08	0.01	0.00	6.85	4.50	
12.000	16.00	361.59	-0.14	-0.03	0.00	6.85	4.50	
12.000	12.00	361.49	-0.10	-0.05	0.00	6.85	4.50	
* * * *	11.000 11.000 11.000 11.000	20.20 17.50 16.00 12.00	361.75 362.09 361.80 361.22	0.00 0.34 -0.21 -0.58	-0.06 0.36 -0.27 -0.27	0.00 0.00 0.00 0.00	1.81 1.81 1.81 1.81	15.11 15.11 15.11 15.11
* 	10.000	20.20	360.10	0.00	-1.65	3.64	14.97	

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

*	10.000	17.50	360.11	0.01	-1.98	0.00	3.64	14.97
*	10.000	16.00	360.10	-0.01	-1.70	0.00	1.51	14.97
*	10.000	12.00	360.09	-0.01	-1.13	0.00	1.51	14.97
*	9.000	20.20	360.00	0.00	-0.10	0.00	3.95	4.36
*	9.000	17.50	360.00	0.00	-0.11	0.00	3.95	4.36
*	9.000	16.00	360.00	0.00	-0.10	0.00	1.53	4.36
*	9.000	12.00	360.00	0.00	-0.09	0.00	1.53	4.36
*	8.000	20.20	359.67	0.00	-0.33	0.00	4.88	3.87
*	8.000	17.50	359.72	0.05	-0.28	0.00	4.89	3.87
*	8.000	16.00	359.67	-0.05	-0.33	0.00	1.54	3.87
*	8.000	12.00	359.67	0.00	-0.33	0.00	1.54	3.87
	7.000	20.20	359.68	0.00	0.01	0.00	5.07	1.00
	7.000	17.50	359.71	0.03	-0.01	0.00	5.08	1.00
	7.000	16.00	359.48	-0.23	-0.19	0.00	1.64	1.00
	7.000	12.00	359.45	-0.03	-0.22	0.00	1.64	1.00
	6.000	20.20	359.58	0.00	-0.10	0.00	5.21	4.94
	6.000	17.50	359.61	0.04	-0.10	0.00	5.22	4.94
	6.000	16.00	359.42	-0.19	-0.05	0.00	1.64	4.94
	6.000	12.00	359.40	-0.02	-0.05	0.00	1.64	4.94

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Cross- Section Number	Discharge Flow (cms) Q	Computed W. S. Elevation (m MSL) CWSEL	W.S. Elev Diff per Profile (m) DIFWSP	W.S. Elev Diff per Section (m) DIFWSX	W.S. Elev Diff per Know/Comp (m) DIFKWS	Water Surface Top Width (m) TOPWID	Channel Reach Length (m) XLCH
SECNO							
*	5.000	20.20	359.52	0.00	-0.05	0.00	5.67
*	5.000	17.50	359.50	-0.02	-0.11	0.00	5.67
	5.000	16.00	359.37	-0.13	-0.05	0.00	1.65
	5.000	12.00	359.35	-0.02	-0.05	0.00	1.64
*	4.000	20.20	359.54	0.00	0.02	0.00	5.43
*	4.000	17.50	359.54	0.00	0.03	0.00	5.43
*	4.000	16.00	359.32	-0.21	-0.05	0.00	1.86
*	4.000	12.00	359.31	-0.01	-0.04	0.00	1.66
*	3.000	20.20	359.35	0.00	-0.19	0.00	7.98
*	3.000	17.50	359.33	-0.02	-0.21	0.00	7.98
*	3.000	16.00	359.30	-0.03	-0.03	0.00	1.39
*	3.000	12.00	359.30	0.00	-0.02	0.00	1.39
*	2.000	20.20	359.30	0.00	-0.05	0.00	7.79
*	2.000	17.50	359.51	0.21	0.18	0.00	7.79
	2.000	16.00	358.72	-0.79	-0.57	0.00	4.90
	2.000	12.00	358.71	-0.02	-0.59	0.00	4.89
*	1.000	20.20	359.01	0.00	-0.29	0.00	7.76
*	1.000	17.50	358.99	-0.02	-0.52	0.00	7.76
*	1.000	16.00	358.63	-0.36	-0.10	0.00	4.70
*	1.000	12.00	358.61	-0.01	-0.10	0.00	4.69

END OF OUTPUT

Allegato 7 – Analisi idraulica stato di progetto

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Version : 2000

PROGRAM ORIGIN :

BOSS RiverCAD HEC-2 Analysis uses the standard 4.6.2 version of the U.S. Army Corps of Engineers Hydrologic Engineering Center HEC-2 Program for water-surface profile computations. This HEC-2 program was released on September 1990, last updated on August 1991.

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PROJECT DESCRIPTION :

PROJECT TITLE : Stato di progetto
PROJECT NUMBER : Analisi idraulica Rio Calcinera
DESCRIPTION : 201380p.dwg
ENGINEER : ing. Roberto Truffa Giachet
DATE OF RUN : 4/06/2021
TIME OF RUN : 11:47 am

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PROJECT TITLE : Stato di progetto
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T1 Analisi idraulica Rio Calcinera
T2 Stato di progetto
T3 201380p.dwg

JOB PARAMETERS :

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1				0	-6		15
NC	0.05	0.05	0.04							
X1	48	8	6.45	9.45	2.7	2.7	2.7			
X2										15
X3	10								393.65	393.65
GR	393.75	0	393.65	5.25	393.65	6.45	391.36	7.09	391.36	8.81
GR	393.65	9.45	393.65	10.65	393.887	12.93				
NC	0.05	0.05	0.04							
X1	47	13	5.85	8.85	3.7	3.7	3.7			
X2										15
X3	10								393.25	393.25
GR	393.54	0	393.492	0.96	393.456	1.144	393.43	1.177	393.265	4.114
GR	393.25	4.327	393.25	4.65	393.25	5.85	390.94	6.5	390.94	8.2
GR	393.25	8.85	393.25	10.05	393.048	11.907				
NC	0.05	0.05	0.04							
X1	46	12	6.2	9.2	4	4	4			
X2										15
X3	10								392.7	392.7
GR	393.21	0	393.183	0.822	393.137	0.999	392.982	2.701	392.85	4.062
GR	392.7	5	392.7	6.2	390.38	6.85	390.38	8.55	392.7	9.2
GR	392.7	10.4	392.643	13.573						
NC	0.05	0.05	0.04							
X1	45	14	5.26	8.26	3.1	3.1	3.1			
X2										15
X3	10								391.2	391.2
GR	392.92	0	392.876	0.694	392.763	1.079	392.747	1.145	392.582	2.635
GR	391.2	4.96	391.2	5.26	388.3	5.27	388.3	8.25	391.2	8.26
GR	391.41	10.369	391.434	10.688	391.398	11.613	391.32	13.145		
NC	0.05	0.05	0.04							
X1	44	15	4.49	7.49	3.3	3.3	3.3			
X2										15
X3	10								391.09	391.09

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COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

GR	392.58	0	392.552	0.333	392.536	0.356	392.36	0.828	392.108	2.076
GR	391.09	4.19	391.09	4.49	388.19	4.5	388.19	7.48	391.09	7.49
GR	391.09	7.79	391.05	7.8	390.87	9.421	390.854	10.07	390.735	10.934
NC	0.05	0.05	0.04							
X1	43	10	4.26	7.26	3.2	3.2	3.2			
X2										15
X3	10							390.97	390	
GR	391.95	0	391.882	0.724	391.757	0.9	391.662	1.157	390.97	3.96
GR	390.97	4.26	388.07	4.27	388.07	7.25	388.47	7.26	388.47	7.56
NC	0.05	0.05	0.04							
X1	42	12	4.01	7.01	3.1	3.1	3.1			
X2										15
X3	10							390.796	390.85	
GR	391.35	0	391.307	0.668	391.272	1.041	391.047	1.358	391.024	1.422
GR	390.93	1.879	390.85	3.71	390.85	4.01	387.95	4.02	387.95	7
GR	388.35	7.01	388.35	7.31						
NC	0.05	0.05	0.04							
X1	41	8	3.42	6.42	2.8	2.8	2.8			
X2										15
X3	10							390.74	390	
GR	390.73	0	390.68	3.11	390.74	3.12	390.74	3.42	387.84	3.43
GR	387.84	6.41	388.24	6.42	388.24	6.72				
NC	0.05	0.05	0.04							
QT	4	16.8	12.5	11.7	9.9					
X1	40	8	3.15	6.15	2.8	2.8	2.8			
X2										15
X3	10							390.64	390	
GR	390.19	0	390.17	2.84	390.64	2.85	390.64	3.15	387.74	3.16
GR	387.74	6.14	388.14	6.15	388.14	6.45				
NC	0.05	0.05	0.04							
X1	39	9	2.96	6.37	3.1	3.1	3.1			
X2										15
X3	10							388.61	388.1	
GR	389.79	0	389.775	0.803	389.708	0.904	389.517	1.365	388.61	2.96
GR	386.61	3.36	386.61	6.36	388.1	6.37	388.1	6.67		
NC	0.05	0.05	0.04							
X1	38	14	4.43	7.85	2.59	2.59	2.59			
X2										15
X3	10							388.45	388.1	
GR	389.41	0	389.379	0.986	389.375	1.129	389.153	1.462	389.129	1.52
GR	389.11	1.765	388.973	3.649	388.45	4.43	386.45	4.83	386.45	7.54
GR	386.5	7.55	386.5	7.84	388.1	7.85	388.1	8.14		
NC	0.05	0.05	0.04							
X1	37	14	5.1	8.51	2.475	2.475	2.475			
X2										15

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X3	10							388.33	388.1	
GR	389.09	0	389.062	0.738	389.023	0.926	388.866	1.162	388.748	2.685
GR	388.68	3.594	388.33	4.1	388.33	5.1	386.33	5.5	386.33	8.21
GR	386.5	8.22	386.5	8.5	388.1	8.51	388.1	8.81		
NC	0.05	0.05	0.04							
X1	36	14	8.27	11.68	3.002	3.002	3.002			
X2										15
X3	10							388.2	388.1	
GR	388.72	0	388.682	2.727	388.595	3.204	388.565	3.253	388.544	3.591
GR	388.39	6.298	388.2	7.27	388.2	8.27	386.2	8.67	386.2	11.38
GR	386.5	11.39	386.5	11.67	388.1	11.68	388.1	11.98		
NC	0.05	0.05	0.04							
X1	35	9	7.41	10.82	3.255	3.255	3.255			
X2										15
X3	10							388.05	388.1	
GR	388.1	0	388.05	6.41	388.05	7.41	386.05	7.81	386.05	10.52
GR	386.5	10.53	386.5	10.81	388.1	10.82	388.1	11.12		
NC	0.05	0.05	0.04							
X1	34	16	8.79	12.21	2.445	2.445	2.445			
X2										15
X3	10							386.39	386	
GR	386.98	0	386.885	0.672	386.904	3.391	386.927	6.229	386.919	6.577
GR	386.9	6.68	386.39	7.79	386.39	8.79	384.39	9.19	384.39	11.9
GR	384.5	11.91	384.5	12.2	386	12.21	386	12.5	384.5	12.51
GR	384.5	13.83								
NC	0.05	0.05	0.04							
X1	33	15	6.38	9.8	2.911	2.911	2.911			
X2										15
X3	10							386.07	386	
GR	386.09	0	385.978	0.887	386.051	2.887	386.06	4.056	386.086	4.765
GR	386.07	5.38	386.07	6.38	384.27	6.78	384.27	9.49	384.5	9.5
GR	384.5	9.79	386	9.8	386	10.09	384.5	10.1	384.5	11.42
NC	0.05	0.05	0.04							
X1	32	16	3.55	6.97	3.35	3.35	3.35			
X2										15
X3	10							385.32	386	
GR	385.17	0	385.174	0.02	385.101	0.729	385.197	1.254	385.142	1.823
GR	385.22	2.923	385.32	2.95	385.32	3.55	384.12	3.95	384.12	6.65
GR	384.25	6.66	384.25	6.96	386	6.97	386	7.26	384.5	7.27
GR	384.5	8.59								
NC	0.05	0.05	0.04							
X1	31	13	3.67	6.68	3.341	3.341	3.341			
X2										15
X3	10							384.41	386	
GR	384.55	0	384.499	0.548	384.453	1.147	384.379	2.236	384.342	2.969
GR	384.41	3.37	384.41	3.67	382.71	3.68	382.71	6.67	386	6.68

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GR	386	6.97	384.5	6.98	384.5	8.288				
NC	0.05	0.05	0.04							
X1	30	15	3.54	5.05	3.17	3.17	3.17			
X2										15
X3	10							383.75	384.75	
GR	383.81	0	383.767	0.943	383.764	1.354	383.774	1.89	383.759	3.254
GR	383.74	3.3	383.75	3.54	382.14	3.55	382.14	5.04	384.75	5.05
GR	384.75	6.96	386.6	6.97	386.6	7.34	384.5	7.35	384.5	8.691
NC	0.05	0.05	0.04							
X1	29	19	3.547	5.304	4.018	4.018	4.018			

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

X2										15
X3	10							383.278	384.207	
GR	383.34	0	383.341	0.014	383.308	1.463	383.308	1.463	383.311	2.737
GR	383.27	3.543	383.277	3.547	383.272	3.548	383.132	3.561	381.755	3.664
GR	381.74	3.816	381.711	4.054	381.708	4.063	381.799	4.322	382.174	4.476
GR	384.2	5.304	384.16	6.027	384.089	6.676	384.119	8.089		
NC	0.05	0.05	0.04							
X1	28	14	3.56	5.471	16.151	16.151	16.151			
X2										15
X3	10							382.626	383.723	
GR	382.81	0	382.748	1.41	382.63	3.467	382.626	3.56	381.04	3.702
GR	381	3.705	381.001	3.716	380.861	4.173	380.866	4.19	381.093	4.53
GR	382.15	5.097	383.167	5.326	383.723	5.471	383.751	7.154		
NC	0.05	0.05	0.02							
X1	27	16	1.87	3.09	13.182	13.182	13.182			
X2										15
X3	10							380.631	380.582	
GR	380.81	0	380.631	1.87	379.405	1.88	378.98	2.055	378.805	2.48
GR	378.98	2.905	379.405	3.08	380.582	3.09	380.582	4.299	380.572	4.583
GR	380.56	4.942	380.564	5.139	380.576	7.265	380.68	7.779	380.703	8.025
GR	380.7	8.039								
NC	0.05	0.05	0.02							
X1	26	11	1.95	3.17	13.359	13.359	13.359			
X2										15
X3	10							379.161	379.197	
GR	379.24	0	379.161	1.445	379.161	1.95	377.745	1.96	377.32	2.135
GR	377.14	2.56	377.32	2.985	377.745	3.16	379.197	3.17	379.197	5.646
GR	379.28	6.427								
NC	0.05	0.05	0.02							
X1	25	11	2.21	3.424	15.078	15.078	15.078			
X2										15
X3	10							377.512	377.377	
GR	377.54	0	377.512	0.291	377.512	2.21	376.063	2.22	375.638	2.395
GR	375.46	2.82	375.638	3.245	376.063	3.42	377.377	3.424	377.518	7.479
GR	377.51	7.591								

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NC	0.05	0.05	0.02							
X1	24	18	1.63	2.85	19.811	19.811	19.811			
X2										15
X3	10							375.326	375.275	
GR	375.37	0	375.374	0.099	375.363	0.334	375.357	0.444	375.346	0.887
GR	375.32	1.599	375.326	1.63	374.164	1.64	373.739	1.815	373.564	2.24
GR	373.74	2.665	374.164	2.84	375.275	2.85	375.275	3.51	375.315	6.707
GR	375.36	7.739	375.383	7.885	375.398	8.115				
NC	0.05	0.05	0.02							
X1	23	12	2.39	3.61	22.68	22.68	22.68			
X2										15
X3	10							372.859	372.81	
GR	372.86	0	372.859	1.056	372.859	2.39	371.669	2.4	371.244	2.575
GR	371.07	3	371.244	3.425	371.669	3.6	372.81	3.61	372.81	3.987
GR	372.85	5.771	372.904	7.275						
NC	0.05	0.05	0.02							
X1	22	11	0.98	2.2	20.368	20.368	20.368			
X2										15
X3	10							370.142	370.15	
GR	370.14	0.083	370.142	0.98	368.813	0.99	368.388	1.165	368.213	1.59
GR	368.38	2.015	368.813	2.19	370.15	2.2	370.15	2.482	370.139	8.43
GR	370.14	8.681								
NC	0.05	0.05	0.02							
X1	21	13	5.95	7.17	17.076	17.076	17.076			
X2										15
X3	10							368.558	368.574	
GR	368.7	0	368.673	2.15	368.558	5.272	368.558	5.95	367.191	5.96
GR	366.76	6.135	366.591	6.56	366.76	6.985	367.191	7.16	368.574	7.17
GR	368.57	7.269	368.484	10.799	368.556	12.489				
NC	0.05	0.05	0.02							
X1	20	20	6.69	7.91	22.12	22.12	22.12			
X2										15
X3	10							367.123	367.511	
GR	366.33	0	366.316	0.774	366.319	3.224	366.291	5.61	367.137	5.705
GR	367.22	5.71	367.22	5.752	367.224	6.215	367.211	6.219	367.123	6.26
GR	367.12	6.69	366.08	6.7	365.655	6.875	365.48	7.3	365.655	7.725
GR	366.08	7.9	367.089	7.91	367.089	8.838	367.119	10.428	367.243	13.088
NC	0.05	0.05	0.02							
X1	19	24	7.36	8.58	15.952	15.952	15.952			
X2										15
X3	10							365.57	365.602	
GR	365.32	0	365.245	3.188	365.244	3.437	365.246	3.614	365.276	5.846
GR	365.58	5.884	365.688	5.894	365.69	6.396	365.691	6.481	365.677	6.484
GR	365.57	6.503	365.57	6.853	365.57	7.36	364.641	7.37	364.216	7.545
GR	364.04	7.97	364.216	8.395	364.641	8.57	365.602	8.58	365.602	9.401
GR	365.67	12.515	365.705	13.372	365.707	13.986	365.721	14.177		

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NC	0.05	0.05	0.02							
X1	18	24	5.28	6.5	15.575	15.575	15.575			
X2										15
X3	10							364.692	364.763	
GR	364.69	0.037	364.694	0.184	364.692	4.109	364.692	5.28	363.603	5.29
GR	363.17	5.465	363.003	5.89	363.17	6.315	363.603	6.49	364.763	6.5
GR	364.76	7.023	364.811	8.517	364.975	8.526	365.026	8.539	365.027	8.737
GR	365.02	8.796	364.962	8.802	364.776	8.834	364.807	8.914	364.811	9.263
GR	364.68	9.323	364.232	9.373	364.029	10.845	364.012	11.92		
NC	0.05	0.05	0.02							
X1	17	21	9.62	10.84	11.621	11.621	11.621			
X2										15
X3	10							363.722	363.665	
GR	363.67	0.181	363.67	0.722	363.722	5.51	363.722	5.618	363.724	5.706
GR	363.72	5.788	363.722	9.62	362.589	9.63	362.164	9.805	361.989	10.23
GR	362.16	10.655	362.589	10.83	363.665	10.84	363.665	11.239	363.808	11.246
GR	363.9	11.278	363.897	11.393	363.892	11.527	363.536	11.579	363.204	11.612
GR	363.18	12.602								
NC	0.05	0.05	0.02							
X1	16	20	7.42	8.64	21.218	21.218	21.218			
X2										15
X3	10							362.929	363.038	
GR	362.79	0	362.79	0.646	362.746	1.37	362.923	6.986	362.925	7.067
GR	362.92	7.082	362.929	7.293	362.929	7.42	362.029	7.43	361.604	7.605

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GR	361.49	8.03	361.604	8.455	362.029	8.63	363.038	8.64	363.038	10.193
GR	363.01	12.627	363.392	12.644	363.527	12.656	363.527	12.711	363.527	12.727
NC	0.05	0.05	0.02							
X1	15	18	3.16	4.38	14.415	14.415	14.415			
X2										15
X3	10							362.082	362.24	
GR	362.17	0	362.167	1.518	362.158	1.984	362.06	2.081	362.053	2.083
GR	362.07	2.535	362.082	2.841	362.082	3.16	361.393	3.17	360.968	3.345
GR	360.79	3.77	360.968	4.12	361.393	4.37	362.24	4.38	362.24	6.212
GR	362.33	9.45	362.351	9.844	362.348	11.908				
NC	0.05	0.05	0.02							
X1	14	17	2.18	3.4	11.047	11.047	11.047			
X2										15
X3	10							361.7	361.816	
GR	361.98	0	361.954	1.266	361.955	1.313	361.696	1.395	361.7	1.528
GR	361.7	2.18	360.956	2.19	360.531	2.365	360.356	2.79	360.531	3.215
GR	360.95	3.39	361.816	3.4	361.816	4.942	361.872	7.948	361.878	8.283
GR	361.93	8.35	361.903	9.157						
NC	0.05	0.05	0.02							
X1	13	15	2.26	3.48	4.498	4.498	4.498			
X2										15
X3	10							361.334	361.35	
GR	361.35	0	361.343	0.76	361.359	1.295	361.336	1.534	361.334	2.169

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GR	361.33	2.26	360.621	2.27	360.196	2.445	360.021	2.87	360.196	3.295
GR	360.62	3.47	361.35	3.48	361.35	3.56	361.358	7.183	361.381	8.978
NC	0.05	0.05	0.02							
X1	12	16	1.824	2.889	15.111	15.111	15.111			
X2										15
X3	10							361.257	361.286	
GR	361.38	0	361.354	1.751	361.273	1.765	361.257	1.824	361.034	1.832
GR	359.9	1.865	359.899	1.971	359.898	2.232	359.898	2.625	359.9	2.857
GR	360.58	2.869	361.286	2.889	361.319	3.984	361.198	5.419	361.138	6.548
GR	361.13	6.846								
NC	0.05	0.05	0.02							
X1	11	10	0.42	1.64	14.966	14.966	14.966			
X2										15
X3	10							360.494	360.486	
X5	0	361.74								
GR	360.49	0.285	360.494	0.42	359.881	0.43	359.456	0.605	359.281	1.03
GR	359.45	1.455	359.881	1.63	360.486	1.64	360.486	1.739	360.507	2.092
NC	0.05	0.05	0.02							
X1	10	23	2.225	3.889	4.36	4.36	4.36			
X2										15
X3	10							359.76	360.171	
GR	359.17	0.243	359.184	2.02	359.187	2.208	359.719	2.225	359.76	2.364
GR	359.76	2.37	358.731	2.398	358.753	3.01	358.752	3.035	358.753	3.054
GR	358.75	3.644	358.788	3.645	359.777	3.701	359.777	3.708	359.781	3.852
GR	359.8	3.855	360.171	3.889	360.171	4.061	360.17	4.069	360.15	4.071
GR	359.83	4.108	359.781	6.208	359.781	6.211				
NC	0.05	0.05	0.02							
X1	9	27	2.302	3.992	3.871	3.871	3.871			
X2										15
X3	10							359.7	360.078	
GR	358.97	0	358.94	2.226	358.94	2.229	359.704	2.302	359.701	2.413
GR	359.7	2.414	359.497	2.424	358.703	2.464	358.704	2.478	358.679	3.083
GR	358.7	3.248	358.684	3.552	358.684	3.698	359.467	3.734	359.709	3.747
GR	359.71	3.868	359.71	3.9	359.997	3.946	360.078	3.954	360.078	3.992
GR	360.07	4.107	359.759	4.14	359.69	4.148	359.677	4.675	359.681	6.785
GR	359.67	9.267	359.681	11.777						
NC	0.05	0.05	0.02							
X1	8	29	3.339	4.891	1	1	1			
X2										15
X3	10							359.67	359.795	
GR	358.86	0	358.874	1.032	358.879	2.913	358.879	3.144	358.98	3.147
GR	359.67	3.165	359.669	3.187	359.67	3.339	359.496	3.348	358.647	3.368
GR	358.64	3.528	358.612	4.001	358.611	4.228	358.615	4.665	358.913	4.674
GR	359.64	4.707	359.64	4.761	359.64	4.87	359.747	4.891	359.794	4.901
GR	359.79	4.956	359.792	5.076	359.722	5.086	359.588	5.116	359.575	5.397
GR	359.57	6.457	359.594	8.111	359.613	9.577	359.62	12.767		

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NC	0.05	0.05	0.02							
X1	7	25	3.241	5.09	4.936	4.936	4.936			
X2										15
X3	10							359.659	359.774	
GR	358.85	0	358.845	0.364	358.86	3.055	359.623	3.075	359.659	3.241
GR	359.65	3.245	358.634	3.254	358.633	3.281	358.631	3.558	358.594	4.169
GR	358.59	4.489	358.596	4.853	359.017	4.864	359.619	4.892	359.619	4.969
GR	359.62	5.059	359.709	5.076	359.774	5.09	359.775	5.167	359.773	5.266
GR	359.67	5.28	359.565	5.304	359.546	5.693	359.547	6.117	359.571	8.41
NC	0.05	0.05	0.02							
X1	6	23	3.374	5.236	5.113	5.113	5.113			
X2										15
X3	10							359.551	359.676	
GR	358.76	0	358.732	2.06	358.738	3.188	359.059	3.197	359.555	3.208
GR	359.55	3.277	359.551	3.374	359.011	3.38	358.526	3.385	358.506	4.206
GR	358.5	4.208	358.506	4.212	358.506	4.863	358.502	4.99	359.522	5.019
GR	359.52	5.203	359.676	5.236	359.68	5.415	359.453	5.446	359.453	9.02
GR	359.45	9.062	359.477	10.493	359.502	12.501				
NC	0.05	0.05	0.02							
X1	5	26	3.813	5.76	5.914	5.914	5.914			
X2										15
X3	10							359.441	359.567	
GR	358.68	0	358.648	2.014	358.646	3.631	358.788	3.635	359.449	3.65
GR	359.44	3.802	359.441	3.813	359.374	3.816	358.421	3.828	358.416	3.892
GR	358.41	4.685	358.41	5.12	358.414	5.425	358.856	5.447	359.428	5.463
GR	359.42	5.551	359.428	5.654	359.514	5.672	359.567	5.687	359.569	5.76
GR	359.57	5.859	359.444	5.876	359.159	5.891	359.163	7.895	359.156	9.253
GR	359.19	11.702								
NC	0.05	0.05	0.02							
X1	4	24	3.775	5.669	3.944	3.944	3.944			
X2										15
X3	10							359.323	359.439	
GR	358.6	0.235	358.631	3.454	358.63	3.599	359.315	3.616	359.328	3.62
GR	359.32	3.775	358.396	3.811	358.305	4.627	358.305	4.694	358.304	4.73
GR	358.31	5.389	359.266	5.437	359.318	5.438	359.318	5.626	359.318	5.635
GR	359.32	5.637	359.439	5.669	359.443	5.825	359.443	5.833	359.433	5.835
GR	358.82	5.866	358.82	6.043	358.809	8.932	358.816	9.339		

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Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

NC	0.05	0.05	0.02							
X1	3	24	3.5	4.893	1.032	1.032	1.032			
X2										15
X3	10							359.253	359.252	
GR	358.56	0.336	358.567	1.35	358.54	2.658	358.672	3.321	358.833	3.327
GR	359.25	3.335	359.252	3.36	359.253	3.5	358.415	3.52	358.269	3.525
GR	358.26	3.671	358.24	4.239	358.242	4.366	358.242	4.858	359.07	4.884
GR	359.25	4.893	359.249	5.018	359.248	5.054	358.817	5.087	358.7	5.093
GR	358.7	5.31	358.688	5.348	358.689	5.922	358.636	8.318		
NC	0.05	0.05	0.02							

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X1	2	15	2.99	4.846	6.716	6.716	6.716			
X2										15
X3	10							358.86	358.597	
GR	358.54	0.13	358.55	0.505	358.54	0.99	358.751	2.056	358.86	2.99
GR	357.95	3.19	357.915	3.235	357.904	3.911	357.901	3.918	357.903	3.927
GR	357.91	4.479	358.585	4.846	358.594	4.849	358.597	4.901	358.596	7.916

NC	0.05	0.05	0.04							
X1	1	13	2.941	5.111						
X2										15
X3	10							358.848	358.302	
GR	358.51	0.186	358.848	2.941	358.857	3.021	358.833	3.026	357.797	4.133
GR	357.79	4.246	357.705	4.499	357.761	4.78	357.763	4.878	357.882	4.943
GR	358.3	5.111	358.455	7.451	358.455	7.948				

STATUS: Analyzing profile 1.

STATUS: Analyzing cross-section reach 48.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 393.65
Right Overbank Elevation (m, RBEL) 393.65

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Cross Section Number	Left Overbank Manning	Channel Manning	Right Overbank Manning	Flow Depth	Water Surface Elevation	Critical W. S. Elevation	Known W. S. Elevation
SECNO	XNL	XNCH	XNR	DEPTH (m)	CWSEL (m MSL)	CRISW (m MSL)	WSELK (m MSL)
Energy Gradient	Left Overbank Length	Channel Length	Right Overbank Length	Energy Gradient	Weighted Velocity Head	Friction Loss	Other Energy Loss
SLOPE (m/m)	XLDBL (m)	XLCH (m)	XLDBR (m)	EG (m MSL)	HV (m)	HL (m)	OLOSS (m)
Cummulative Volume (1000 cm)	Left Overbank Area	Channel Area	Right Overbank Area	Bridge Deck Area	Left Bank Elevation	Right Bank Elevation	Number of Balance Trials
	ALOB (sq m)	ACH (sq m)	AROB (sq m)	CORAR (sq m)	LTBNK (m MSL)	RTBNK (m MSL)	ITRIAL
Total Flow	Left Overbank Flow	Channel Flow	Right Overbank Flow	Computed W. S.	Left W. S.	Right W. S.	Number of Crit Dpth Trials
Q (cms)	QLOB (cms)	QCH (cms)	QROB (cms)	TOPWD (m)	SSTA (m)	ENDST (m)	IDC
Flow Travel Time (hrs)	Left Overbank Velocity	Channel Mean Velocity	Right Overbank Velocity	Length Manning n	Cummul. Surface Area	Minimum C. S. Elevation	Number of Other Trials
	VLOB (m/s)	VCH (m/s)	VROB (m/s)	WTN	TWA (1000 sm)	ELMIN (m MSL)	ICONT
48.000	0.000	0.040	0.000	1.44	392.80	393.49	392.80
0.124394	0	0	0	395.02	2.22	0.00	0.00
0.00	0	3	0	0.00	393.65	393.65	0
20	0	20	0	2.5	6.69	9.21	10
0.00	0.00	6.61	0.00	0.000	0.0	391.36	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 48.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 392.80
Station (m) = 6.7 9.4
Flow (%) = 100.0
Area (sq m) = 3.1
Vel (m/s) = 6.61
Depth (m) = 1.21

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STATUS: Analyzing cross-section reach 47.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 393.25
Right Overbank Elevation (m, RBEL) 393.25

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLDBL	XLCH	XLDBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
47.000	0.000	0.040	0.000	1.43	392.37	393.01	0.00
0.130895	2	2	2	394.68	2.31	0.34	0.00
0.01	0	2	0	0.00	393.25	393.25	6
20	0	20	0	2.5	6.10	8.60	11
0.00	0.00	6.74	0.00	0.000	0.0	390.94	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 47.000
Total Discharge (cms, Q) 20

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

Computed Water Surface Elevation (m MSL, CWSEL) 392.37

Station (m) = 6.1 8.9
Flow (%) = 100.0
Area (sq m) = 3.0
Vel (m/s) = 6.74
Depth (m) = 1.20

STATUS: Analyzing cross-section reach 46.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 392.70
Right Overbank Elevation (m, RBEL) 392.70

46.000	0.000	0.040	0.000	1.42	391.80	392.53	0.00
0.136725	3	3	3	394.18	2.39	0.49	0.00
0.02	0	2	0	0.00	392.70	392.70	6
20	0	20	0	2.5	6.46	8.94	11
0.00	0.00	6.85	0.00	0.000	0.0	390.38	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 46.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 391.80

Station (m) = 6.5 9.2
Flow (%) = 100.0
Area (sq m) = 2.9
Vel (m/s) = 6.85
Depth (m) = 1.18

STATUS: Analyzing cross-section reach 45.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 1.60

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 391.20
Right Overbank Elevation (m, RBEL) 391.20

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
45.000	0.000	0.040	0.000	0.72	389.02	389.97	0.00
0.350234	4	4	4	393.36	4.33	0.83	0.00
0.03	0	2	0	0.00	391.20	391.20	6
20	0	20	0	3.0	5.27	8.25	8
0.00	0.00	9.22	0.00	0.000	0.0	388.30	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 45.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 389.02

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PROJECT TITLE : Stato di progetto
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Station (m) = 5.3 8.3
Flow (%) = 100.0
Area (sq m) = 2.2
Vel (m/s) = 9.22
Depth (m) = 0.73

STATUS: Analyzing cross-section reach 44.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 391.09
Right Overbank Elevation (m, RBEL) 391.09

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
44.000	0.000	0.040	0.000	0.82	389.01	389.86	0.00
0.250893	3	3	3	392.44	3.43	0.91	0.00
0.04	0	2	0	0.00	391.09	391.09	2
20	0	20	0	3.0	4.50	7.48	17
0.00	0.00	8.21	0.00	0.000	0.0	388.19	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 44.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 389.01

Station (m) = 4.5 7.5
Flow (%) = 100.0
Area (sq m) = 2.5
Vel (m/s) = 8.21
Depth (m) = 0.82

STATUS: Analyzing cross-section reach 43.000.

STATUS: (3280) For cross-section 43.00, ends have been extended vertically 0.51 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

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STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)		390.97			
		Right Overbank Elevation (m, RBEL)		390.00			
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
43.000	0.000	0.040	0.000	0.91	388.98	389.74	0.00
0.161655	3	3	3	391.79	2.80	0.66	0.00
0.05	0	2	0	0.00	390.97	388.47	6
20	0	20	0	3.0	4.27	7.26	14
0.00	0.00	7.42	0.00	0.000	0.0	388.07	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 43.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 388.98

Station (m) = 4.3 7.3
Flow (%) = 100.0
Area (sq m) = 2.7
Vel (m/s) = 7.42
Depth (m) = 0.91

STATUS: Analyzing cross-section reach 42.000.

STATUS: (3280) For cross-section 42.00, ends have been extended vertically 0.59 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)		390.80			
		Right Overbank Elevation (m, RBEL)		390.85			
42.000	0.000	0.040	0.000	0.99	388.94	389.61	0.00
0.127037	3	3	3	391.33	2.39	0.46	0.00
0.05	0	2	0	0.00	390.85	388.35	7
20	0	20	0	3.0	4.02	7.01	14
0.00	0.00	6.86	0.00	0.000	0.1	387.95	0

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PROJECT TITLE : Stato di progetto
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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 42.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 388.94

Station (m) = 4.0 7.0
Flow (%) = 100.0
Area (sq m) = 2.9
Vel (m/s) = 6.86
Depth (m) = 0.98

STATUS: Analyzing cross-section reach 41.000.

STATUS: (3280) For cross-section 41.00, ends have been extended vertically 0.66 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)		390.74			
		Right Overbank Elevation (m, RBEL)		390.00			
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
41.000	0.000	0.040	0.000	1.06	388.90	389.50	0.00
0.102670	3	3	3	390.98	2.08	0.35	0.00
0.06	0	3	0	0.00	390.74	388.24	7
20	0	20	0	3.0	3.43	6.42	14
0.00	0.00	6.39	0.00	0.000	0.1	387.84	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 41.000
Total Discharge (cms, Q) 20
Computed Water Surface Elevation (m MSL, CWSEL) 388.90

Station (m) = 3.4 6.4
Flow (%) = 100.0
Area (sq m) = 3.2
Vel (m/s) = 6.39
Depth (m) = 1.06

STATUS: Analyzing cross-section reach 40.000.

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STATUS: (3280) For cross-section 40.00, ends have been extended vertically 0.49 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)		390.64			
		Right Overbank Elevation (m, RBEL)		390.00			
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK

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SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
40.000	0.000	0.040	0.000	0.89	388.63	389.21	0.00
0.120678	2	2	2	390.67	2.04	0.31	0.00
0.07	0	2	0	0.00	390.64	388.14	7
16	0	16	0	3.0	3.16	6.15	11
0.00	0.00	6.33	0.00	0.000	0.1	387.74	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 40.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 388.63

Station (m) = 3.2 6.2
Flow (%) = 100.0
Area (sq m) = 2.7
Vel (m/s) = 6.33
Depth (m) = 0.89

STATUS: Analyzing cross-section reach 39.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 388.61
Right Overbank Elevation (m, RBEL) 388.10

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
39.000	0.000	0.040	0.000	0.72	387.33	388.05	0.00
0.228112	2	2	2	390.21	2.88	0.45	0.00
0.08	0	2	0	0.00	388.61	388.10	5
16	0	16	0	3.2	3.21	6.36	14
0.00	0.00	7.52	0.00	0.000	0.1	386.61	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 39.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 387.33

Station (m) = 3.2 6.4
Flow (%) = 100.0
Area (sq m) = 2.2
Vel (m/s) = 7.52
Depth (m) = 0.71

STATUS: Analyzing cross-section reach 38.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 388.45
Right Overbank Elevation (m, RBEL) 388.10

38.000	0.000	0.040	0.000	0.81	387.26	387.90	0.00
0.170269	3	3	3	389.61	2.35	0.61	0.00
0.09	0	2	0	0.00	388.45	388.10	6
16	0	16	0	3.2	4.67	7.84	14
0.00	0.00	6.79	0.00	0.000	0.1	386.45	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 38.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 387.26

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PROJECT TITLE : Stato di progetto
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Station (m) = 4.7 7.8
Flow (%) = 100.0
Area (sq m) = 2.5
Vel (m/s) = 6.79
Depth (m) = 0.78

STATUS: Analyzing cross-section reach 37.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 388.33
Right Overbank Elevation (m, RBEL) 388.10

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
37.000	0.000	0.040	0.000	0.88	387.21	387.79	0.00
0.135747	2	2	2	389.21	2.00	0.39	0.00
0.09	0	2	0	0.00	388.33	388.10	7
16	0	16	0	3.2	5.32	8.50	14
0.00	0.00	6.27	0.00	0.000	0.1	386.33	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 37.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 387.21

Station (m) = 5.3 8.5

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Flow (%) = 100.0
Area (sq m) = 2.7
Vel (m/s) = 6.27
Depth (m) = 0.84

STATUS: Analyzing cross-section reach 36.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 388.20
Right Overbank Elevation (m, RBEL) 388.10

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
36.000	0.000	0.040	0.000	0.96	387.16	387.67	0.00
0.112695	2	2	2	388.91	1.75	0.31	0.00
0.10	0	2	0	0.00	388.20	388.10	6
16	0	16	0	3.2	8.48	11.67	14
0.00	0.00	5.86	0.00	0.000	0.1	386.20	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 36.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 387.16

Station (m) = 8.5 11.7
Flow (%) = 100.0
Area (sq m) = 2.9
Vel (m/s) = 5.86
Depth (m) = 0.90

STATUS: Analyzing cross-section reach 35.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 388.05
Right Overbank Elevation (m, RBEL) 388.10

35.000	0.000	0.040	0.000	1.02	387.07	387.53	0.00
0.094219	3	3	3	388.60	1.53	0.31	0.00
0.11	0	3	0	0.00	388.05	388.10	5
16	0	16	0	3.2	7.60	10.81	14
0.00	0.00	5.49	0.00	0.000	0.1	386.05	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 35.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 387.07

Station (m) = 7.6 10.8
Flow (%) = 100.0
Area (sq m) = 3.1
Vel (m/s) = 5.49
Depth (m) = 0.95

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STATUS: Analyzing cross-section reach 34.000.

STATUS: (3280) For cross-section 34.00, ends have been extended vertically 0.61 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 1.62

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 386.39
Right Overbank Elevation (m, RBEL) 386.00

34.000	0.000	0.040	0.000	0.72	385.11	385.84	0.00
0.246142	3	3	3	388.13	3.02	0.47	0.00
0.12	0	2	0	0.00	386.39	386.00	4
16	0	16	0	3.2	9.05	12.20	11
0.00	0.00	7.71	0.00	0.000	0.1	384.39	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 34.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 385.11

Station (m) = 9.0 12.2
Flow (%) = 100.0
Area (sq m) = 2.2
Vel (m/s) = 7.71
Depth (m) = 0.69

STATUS: Analyzing cross-section reach 33.000.

STATUS: (3280) For cross-section 33.00, ends have been extended vertically 0.56 meters in order to calculate the hydraulic cross-section properties.

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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								386.07
Right Overbank Elevation (m, RBEL)								386.00
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	
33.000	0.000	0.040	0.000	0.79	385.06	385.73	0.00	
0.192514	2	2	2	387.60	2.54	0.53	0.00	
0.12	0	2	0	0.00	386.07	386.00	6	
16	0	16	0	3.2	6.60	9.79	14	
0.00	0.00	7.07	0.00	0.000	0.1	384.27	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 33.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 385.06

Station (m) = 6.6 9.8
Flow (%) = 100.0
Area (sq m) = 2.4
Vel (m/s) = 7.07
Depth (m) = 0.75

STATUS: Analyzing cross-section reach 32.000.

STATUS: (3280) For cross-section 32.00, ends have been extended vertically 0.45 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								385.32
Right Overbank Elevation (m, RBEL)								386.00
32.000	0.000	0.040	0.000	0.84	384.96	385.61	0.00	
0.150658	2	2	2	387.11	2.15	0.49	0.00	
0.13	0	2	0	0.00	385.32	386.00	6	
16	0	16	0	3.3	3.67	6.96	14	
0.00	0.00	6.50	0.00	0.000	0.1	384.12	0	

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 32.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 384.96

Station (m) = 3.7 7.0
Flow (%) = 100.0
Area (sq m) = 2.6
Vel (m/s) = 6.50
Depth (m) = 0.78

STATUS: Analyzing cross-section reach 31.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								384.41
Right Overbank Elevation (m, RBEL)								386.00
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	
31.000	0.000	0.040	0.000	0.73	383.44	384.18	0.00	
0.246994	3	3	3	386.47	3.03	0.64	0.00	
0.14	0	2	0	0.00	384.41	386.00	4	
16	0	16	0	3.0	3.68	6.67	14	
0.00	0.00	7.72	0.00	0.000	0.2	382.71	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 31.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 383.44

Station (m) = 3.7 6.7
Flow (%) = 100.0
Area (sq m) = 2.2
Vel (m/s) = 7.72
Depth (m) = 0.73

STATUS: Analyzing cross-section reach 30.000.

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PROJECT TITLE : Stato di progetto

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STATUS: (3280) For cross-section 30.00, ends have been extended vertically 0.08 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								383.75
Right Overbank Elevation (m, RBEL)								384.75
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	

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TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
30.000	0.050	0.040	0.000	1.75	383.89	384.38	0.00
0.142956	3	3	3	385.85	1.96	0.62	0.00
0.15	0	2	0	0.00	383.75	384.75	6
16	0	16	0	5.0	0.00	5.05	20
0.00	0.80	6.27	0.00	0.000	0.2	382.14	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 30.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 383.89

Station (m) = 0.0 0.9 1.4 1.9 3.3 3.5
Flow (%) = 0.0 0.0 0.0 0.0 1.9 0.0
Area (sq m) = 0.1 0.1 0.1 0.2 0.0
Vel (m/s) = 0.08 0.08 0.08 1.88 0.08
Depth (m) = 0.10 0.12 0.12 0.12 0.14

Station (m) = 3.5 5.1
Flow (%) = 98.0
Area (sq m) = 2.6
Vel (m/s) = 6.27
Depth (m) = 1.74

STATUS: Analyzing cross-section reach 29.000.

STATUS: (3280) For cross-section 29.00, ends have been extended vertically 0.27 meters in order to calculate the hydraulic cross-section properties.

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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 383.28
Right Overbank Elevation (m, RBEL) 384.21

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
29.000	0.050	0.040	0.000	1.90	383.61	384.05	0.00
0.170214	3	3	3	385.36	1.75	0.49	0.00
0.16	1	2	0	0.00	383.28	384.20	7
16	3	12	0	5.1	0.00	5.06	16
0.00	3.67	6.38	0.00	0.000	0.2	381.71	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 29.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 383.61

Station (m) = 0.0 1.5 2.7 3.5 3.5 5.3
Flow (%) = 0.0 8.7 8.4 5.9 0.0 76.9
Area (sq m) = 0.4 0.4 0.3 0.0 2.0
Vel (m/s) = 3.54 3.69 3.84 3.84 6.38
Depth (m) = 0.28 0.30 0.32 0.34 1.34

STATUS: Analyzing cross-section reach 28.000.

STATUS: (3280) For cross-section 28.00, ends have been extended vertically 0.06 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 382.63
Right Overbank Elevation (m, RBEL) 383.72

28.000	0.050	0.040	0.000	2.01	382.88	383.39	0.00
0.136088	4	4	4	384.75	1.88	0.61	0.00
0.17	0	2	0	0.00	382.63	383.72	6
16	1	15	0	5.3	0.00	5.26	9
0.00	2.06	6.26	0.00	0.000	0.2	380.86	0

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PROJECT TITLE : Stato di progetto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 28.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 382.88

Station (m) = 0.0 1.4 3.5 3.6 5.5
Flow (%) = 0.0 1.2 5.4 0.0 93.4
Area (sq m) = 0.1 0.4 0.0 2.5
Vel (m/s) = 1.48 2.39 0.07 6.26
Depth (m) = 0.09 0.18 0.25 1.48

STATUS: Analyzing cross-section reach 27.000.

STATUS: (3280) For cross-section 27.00, ends have been extended vertically 0.05 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 0.64

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
27.000	0.050	0.020	0.050	1.94	380.74	381.32	0.00
0.055280	16	16	16	383.42	2.68	1.33	0.00
0.22	0	2	0	0.00	380.63	380.58	5

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

16	0	15	0	7.4	0.63	8.04	11
0.00	0.05	7.45	1.07	0.000	0.3	378.80	0
FLOW DISTRIBUTION :							

Cross-Section Number (SECNO)							27.000
Total Discharge (cms, Q)							16
Computed Water Surface Elevation (m MSL, CWSEL)							380.74
Station (m) = 0.6 1.9 3.1 4.3 4.9 5.1							
Flow (%) = 0.0 94.8 1.7 0.0 0.0							
Area (sq m) = 0.1 2.1 0.2 0.1 0.0							
Vel (m/s) = 0.05 7.45 1.43 0.05 0.05							
Depth (m) = 0.06 1.75 0.17 0.18 0.19							
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PROJECT TITLE : Stato di progetto							4/06/2021
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Station (m) = 5.1 7.3 7.8 8.0							
Flow (%) = 3.4 0.0 0.0							
Area (sq m) = 0.4 0.1 0.0							
Vel (m/s) = 1.50 0.05 0.05							
Depth (m) = 0.18 0.12 0.06							
STATUS: Analyzing cross-section reach 26.000.							
STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.							
STATUS: (3495) Overbank area assumed noneffective.							
Left Overbank Elevation (m, XLBEL)							379.16
Right Overbank Elevation (m, RBEL)							379.20
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

26.000	0.000	0.020	0.000	1.84	378.98	379.98	0.00
0.078152	13	13	13	382.56	3.58	0.86	0.00
0.25	0	2	0	0.00	379.16	379.20	7
16	0	16	0	1.2	1.95	3.17	9
0.00	0.00	8.39	0.00	0.000	0.4	377.14	0
FLOW DISTRIBUTION :							

Cross-Section Number (SECNO)							26.000
Total Discharge (cms, Q)							16
Computed Water Surface Elevation (m MSL, CWSEL)							378.98
Station (m) = 2.0 3.2							
Flow (%) = 100.0							
Area (sq m) = 2.0							
Vel (m/s) = 8.39							
Depth (m) = 1.65							
STATUS: Analyzing cross-section reach 25.000.							
STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.							
STATUS: (3495) Overbank area assumed noneffective.							
Left Overbank Elevation (m, XLBEL)							377.51
Right Overbank Elevation (m, RBEL)							377.38
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PROJECT TITLE : Stato di progetto							4/06/2021
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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

25.000	0.000	0.020	0.000	1.71	377.17	378.19	0.00
0.095339	13	13	13	381.41	4.24	1.15	0.00
0.28	0	1	0	0.00	377.51	377.38	7
16	0	16	0	1.2	2.21	3.42	9
0.00	0.00	9.13	0.00	0.000	0.4	375.46	0
FLOW DISTRIBUTION :							

Cross-Section Number (SECNO)							25.000
Total Discharge (cms, Q)							16
Computed Water Surface Elevation (m MSL, CWSEL)							377.17
Station (m) = 2.2 3.4							
Flow (%) = 100.0							
Area (sq m) = 1.8							
Vel (m/s) = 9.13							
Depth (m) = 1.52							
STATUS: Analyzing cross-section reach 24.000.							
STATUS: (3495) Overbank area assumed noneffective.							
Left Overbank Elevation (m, XLBEL)							375.33
Right Overbank Elevation (m, RBEL)							375.27
24.000	0.000	0.020	0.000	1.62	375.18	376.07	0.00
0.107209	15	15	15	379.89	4.70	1.52	0.00
0.30	0	1	0	0.00	375.33	375.27	6
16	0	16	0	1.2	1.63	2.85	9
0.00	0.00	9.61	0.00	0.000	0.4	373.56	0
FLOW DISTRIBUTION :							

Cross-Section Number (SECNO)							24.000
Total Discharge (cms, Q)							16
Computed Water Surface Elevation (m MSL, CWSEL)							375.18
Station (m) = 1.6 2.8							
Flow (%) = 100.0							
Area (sq m) = 1.7							
Vel (m/s) = 9.61							

COMUNE DI CAPRIE
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Depth (m) = 1.43

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STATUS: Analyzing cross-section reach 23.000.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)		372.86			
		Right Overbank Elevation (m, RBEL)		372.81			
SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOB	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

23.000	0.000	0.020	0.000	1.58	372.65	373.59	0.00
0.116116	19	19	19	377.68	5.03	2.21	0.00
0.34	0	1	0	0.00	372.86	372.81	7
16	0	16	0	1.2	2.39	3.61	14
0.01	0.00	9.94	0.00	0.000	0.4	371.07	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO)	23.000
Total Discharge (cms, Q)	16
Computed Water Surface Elevation (m MSL, CWSEL)	372.65
Station (m) = 2.4 3.6	
Flow (%)	= 100.0
Area (sq m)	= 1.7
Vel (m/s)	= 9.94
Depth (m)	= 1.39

STATUS: Analyzing cross-section reach 22.000.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)		370.14			
		Right Overbank Elevation (m, RBEL)		370.15			
22.000	0.000	0.020	0.000	1.56	369.77	370.81	0.00
0.121249	22	22	22	374.99	5.22	2.69	0.00
0.38	0	1	0	0.00	370.14	370.15	6
16	0	16	0	1.2	0.98	2.20	14
0.01	0.00	10.12	0.00	0.000	0.5	368.21	0

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PROJECT TITLE : Stato di progetto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

FLOW DISTRIBUTION :

Cross-Section Number (SECCO)	22.000
Total Discharge (cms, Q)	16
Computed Water Surface Elevation (m MSL, CWSEL)	369.77
Station (m) = 1.0 2.2	
Flow (%)	= 100.0
Area (sq m)	= 1.7
Vel (m/s)	= 10.12
Depth (m)	= 1.37

STATUS: Analyzing cross-section reach 21.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)		368.56			
		Right Overbank Elevation (m, RBEL)		368.57			
SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOB	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

21.000	0.000	0.020	0.000	1.67	368.26	369.13	0.00
0.101280	20	20	20	372.73	4.47	2.25	0.00
0.41	0	1	0	0.00	368.56	368.57	6
16	0	16	0	1.2	5.95	7.17	14
0.01	0.00	9.38	0.00	0.000	0.5	366.59	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO)	21.000
Total Discharge (cms, Q)	16
Computed Water Surface Elevation (m MSL, CWSEL)	368.26
Station (m) = 6.0 7.2	
Flow (%)	= 100.0
Area (sq m)	= 1.8
Vel (m/s)	= 9.38
Depth (m)	= 1.47

STATUS: Analyzing cross-section reach 20.000.

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PROJECT TITLE : Stato di progetto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

STATUS: (3280) For cross-section 20.00, ends have been extended vertically 0.79 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

		Left Overbank Elevation (m, XLBEL)				367.12			
		Right Overbank Elevation (m, RBEL)				367.51			
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL		
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS		
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL		
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC		
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT		
20.000	0.000	0.020	0.000	1.64	367.12	367.16	0.00		
0.102459	17	17	17	371.70	4.57	1.74	0.19		
0.44	0	1	0	0.00	367.12	367.09	20		
16	0	16	0	1.2	6.69	7.91	5		
0.01	0.00	9.48	0.00	0.000	0.5	365.48	0		

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 20.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 367.12

Station (m) = 6.7 7.9
Flow (%) = 100.0
Area (sq m) = 1.8
Vel (m/s) = 9.48
Depth (m) = 1.45

STATUS: Analyzing cross-section reach 19.000.

STATUS: (3265) Divided flow.

STATUS: (3280) For cross-section 19.00, ends have been extended vertically 0.25 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

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WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)				365.57			
		Right Overbank Elevation (m, RBEL)				365.60			
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL		
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS		
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL		
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC		
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT		
19.000	0.050	0.020	0.000	1.53	365.57	366.03	0.00		
0.074301	22	22	22	368.09	2.51	1.92	0.95		
0.50	1	1	0	0.00	365.57	365.60	20		
16	3	12	0	8.0	0.00	8.58	11		
0.01	2.18	7.91	0.00	0.000	0.6	364.04	0		

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 19.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 365.57

Station (m) = 0.0 3.2 3.4 3.6 5.8 7.4
Flow (%) = 12.5 0.0 0.0 10.4 0.0
Area (sq m) = 0.9 0.1 0.1 0.7 0.0
Vel (m/s) = 2.27 0.05 0.05 2.50 0.05
Depth (m) = 0.29 0.33 0.33 0.31 0.00

Station (m) = 7.4 8.6
Flow (%) = 77.1
Area (sq m) = 1.6
Vel (m/s) = 7.91
Depth (m) = 1.34

STATUS: Analyzing cross-section reach 18.000.

STATUS: (3265) Divided flow.

STATUS: (3280) For cross-section 18.00, ends have been extended vertically 0.75 meters in order to calculate the hydraulic cross-section properties.

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PROJECT TITLE : Stato di progetto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL		
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS		
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL		
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC		
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT		
18.000	0.050	0.020	0.050	1.76	364.76	365.17	0.00		
0.042286	15	15	15	366.25	1.49	0.88	-0.17		
0.56	0	1	1	0.00	364.69	364.76	20		
16	0	11	4	9.7	0.04	11.92	11		
0.01	0.53	6.20	2.69	0.000	0.7	363.00	0		

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 18.000
Total Discharge (cms, Q) 16

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

Computed Water Surface Elevation (m MSL, CWSEL) 364.76

Station (m) =	0.0	4.1	5.3	6.5	10.8	11.9
Flow (%) =	1.2	0.0	70.8	16.7	11.3	
Area (sq m) =	0.3	0.1	1.9	0.9	0.8	
Vel (m/s) =	0.68	0.04	6.20	2.96	2.37	
Depth (m) =	0.07	0.07	1.57	0.22	0.74	

STATUS: Analyzing cross-section reach 17.000.

STATUS: (3265) Divided flow.

STATUS: (3280) For cross-section 17.00, ends have been extended vertically 0.70 meters in order to calculate the hydraulic cross-section properties.

17.000	0.050	0.020	0.050	1.90	363.88	364.31	0.00
0.040759	15	15	15	365.61	1.72	0.65	0.00
0.62	1	2	0	0.00	363.72	363.67	6
16	2	13	1	12.2	0.18	12.60	13
0.01	1.22	6.47	1.68	0.000	0.9	361.99	0

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PROJECT TITLE : Stato di progetto

PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 17.000

Total Discharge (cms, Q) 16

Computed Water Surface Elevation (m MSL, CWSEL) 363.88

Station (m) =	0.2	5.5	9.6	10.8	12.6
Flow (%) =	7.7	4.4	79.9	8.0	
Area (sq m) =	1.0	0.7	2.1	0.8	
Vel (m/s) =	1.29	1.11	6.47	1.68	
Depth (m) =	0.19	0.16	1.70	0.45	

STATUS: Analyzing cross-section reach 16.000.

STATUS: (3280) For cross-section 16.00, ends have been extended vertically 0.32 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
16.000	0.050	0.020	0.050	1.62	363.11	363.51	0.00
0.052690	11	11	11	365.07	1.96	0.54	0.00
0.67	2	1	0	0.00	362.93	363.04	7
16	3	12	0	12.6	0.00	12.63	8
0.01	1.87	7.07	0.83	0.000	1.1	361.49	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 16.000

Total Discharge (cms, Q) 16

Computed Water Surface Elevation (m MSL, CWSEL) 363.11

Station (m) =	0.0	0.6	1.4	7.0	7.3	7.4
Flow (%) =	2.0	3.3	17.7	0.0	0.0	
Area (sq m) =	0.2	0.2	1.5	0.1	0.0	
Vel (m/s) =	1.64	2.24	1.94	0.05	0.05	
Depth (m) =	0.32	0.34	0.27	0.18	0.18	

Station (m) =	7.4	8.6	10.2	12.6
Flow (%) =	75.4	0.5	1.1	
Area (sq m) =	1.8	0.1	0.2	
Vel (m/s) =	7.07	0.78	0.86	
Depth (m) =	1.47	0.07	0.08	

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PROJECT TITLE : Stato di progetto

PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

STATUS: Analyzing cross-section reach 15.000.

STATUS: (3280) For cross-section 15.00, ends have been extended vertically 0.35 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
15.000	0.050	0.020	0.050	1.72	362.51	362.89	0.00
0.037742	21	21	21	364.13	1.62	0.94	0.00
0.77	1	1	1	0.00	362.08	362.24	6
16	2	12	2	11.9	0.00	11.91	14
0.01	1.89	6.56	1.40	0.000	1.3	360.79	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 15.000

Total Discharge (cms, Q) 16

Computed Water Surface Elevation (m MSL, CWSEL) 362.51

Station (m) =	0.0	1.5	2.5	3.2	4.4	6.2
Flow (%) =	5.3	4.7	3.7	72.3	5.0	
Area (sq m) =	0.5	0.4	0.3	1.9	0.5	
Vel (m/s) =	1.68	1.93	2.24	6.56	1.65	
Depth (m) =	0.35	0.41	0.44	1.52	0.28	

Station (m) =	6.2	9.4	11.9
Flow (%) =	6.6	2.3	
Area (sq m) =	0.8	0.4	
Vel (m/s) =	1.47	0.94	
Depth (m) =	0.23	0.17	

STATUS: Analyzing cross-section reach 14.000.

STATUS: (3280) For cross-section 14.00, ends have been extended vertically 0.29 meters in order to calculate the hydraulic cross-section properties.

14.000	0.050	0.020	0.050	1.85	362.20	362.59	0.00
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COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

0.030637	14	14	14	363.64	1.44	0.49	0.00
0.84	0	2	2	0.00	361.70	361.82	7
16	1	12	3	9.2	0.00	9.16	11
0.01	1.46	6.13	1.69	0.000	1.5	360.36	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 14.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 362.20

Station (m) = 0.0 1.3 1.5 2.2 3.4 4.9
Flow (%) = 2.0 0.0 4.2 73.5 6.4
Area (sq m) = 0.3 0.1 0.3 2.0 0.6
Vel (m/s) = 1.18 0.04 2.20 6.13 1.84
Depth (m) = 0.23 0.41 0.50 1.65 0.38

Station (m) = 4.9 7.9 8.3 9.2
Flow (%) = 11.0 1.1 1.6
Area (sq m) = 1.1 0.1 0.2
Vel (m/s) = 1.75 1.64 1.12
Depth (m) = 0.35 0.32 0.28

STATUS: Analyzing cross-section reach 13.000.

STATUS: (3280) For cross-section 13.00, ends have been extended vertically 0.36 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
13.000	0.050	0.020	0.050	1.69	361.71	362.11	0.00
0.036670	11	11	11	363.27	1.57	0.37	0.00
0.89	0	1	1	0.00	361.33	361.35	7
16	1	11	3	9.0	0.00	8.98	11
0.01	1.73	6.49	1.81	0.000	1.6	360.02	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 13.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 361.71

Station (m) = 0.0 0.8 1.2 1.5 2.2 2.3
Flow (%) = 2.5 1.8 1.4 2.8 0.0
Area (sq m) = 0.3 0.2 0.1 0.2 0.0
Vel (m/s) = 1.50 1.93 1.94 1.99 0.04
Depth (m) = 0.36 0.36 0.36 0.37 0.38

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PROJECT TITLE : Stato di progetto
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Station (m) = 2.3 3.5 7.2 9.0
Flow (%) = 70.7 14.7 6.0
Area (sq m) = 1.8 1.3 0.6
Vel (m/s) = 6.49 1.88 1.67
Depth (m) = 1.50 0.36 0.34

STATUS: Analyzing cross-section reach 12.000.

STATUS: (3280) For cross-section 12.00, ends have been extended vertically 0.58 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
12.000	0.050	0.020	0.050	1.81	361.71	362.12	0.00
0.037853	4	4	4	363.11	1.39	0.17	0.00
0.91	0	1	1	0.00	361.26	361.29	9
16	1	11	4	6.8	0.00	6.85	11
0.01	1.62	6.15	2.26	0.000	1.6	359.90	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 12.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 361.71

Station (m) = 0.0 1.8 1.8 2.9 4.0 5.4
Flow (%) = 6.1 0.0 68.6 5.7 8.8
Area (sq m) = 0.6 0.0 1.9 0.4 0.6
Vel (m/s) = 1.70 0.04 6.15 2.14 2.29
Depth (m) = 0.34 0.44 1.76 0.41 0.45

Station (m) = 5.4 6.5 6.8
Flow (%) = 9.4 1.3
Area (sq m) = 0.6 0.2
Vel (m/s) = 2.59 1.31
Depth (m) = 0.54 0.58

STATUS: Analyzing cross-section reach 11.000.

STATUS: Water surface elevation set by X5 card, 361.740 m MSL.

STATUS: (3280) For cross-section 11.00, ends have been extended vertically 1.25 meters in order to calculate the hydraulic cross-section properties.

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WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 0.63

WARNING: (7185) Critical depth has been crossed, therefore critical depth has been assumed for the current cross-section.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
11.000	0.050	0.020	0.050	2.46	361.74	362.03	0.00
0.014962	15	15	15	363.33	1.59	0.34	0.00
0.97	0	2	0	0.00	360.49	360.49	0
16	0	15	0	1.8	0.28	2.09	8
0.01	0.60	5.73	1.44	0.000	1.7	359.28	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 11.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 361.74

Station (m) = 0.3 0.4 1.6 1.7 2.1
Flow (%) = 0.6 94.6 2.1 2.7
Area (sq m) = 0.2 2.8 0.1 0.4
Vel (m/s) = 0.60 5.73 2.84 1.04
Depth (m) = 1.25 2.27 1.25 1.24

STATUS: Analyzing cross-section reach 10.000.

STATUS: (3280) For cross-section 10.00, ends have been extended vertically 0.63 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 2.75

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.76
Right Overbank Elevation (m, RBEL) 360.17

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
10.000	0.050	0.020	0.000	1.07	359.80	360.46	0.00
0.112772	14	14	14	362.84	3.04	0.48	0.00
1.02	1	1	0	0.00	359.72	360.17	11
16	4	12	0	3.6	0.24	3.86	17
0.01	3.80	8.79	0.00	0.000	1.7	358.73	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 10.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 359.80

Station (m) = 0.2 2.0 2.2 2.2 3.9
Flow (%) = 26.6 1.4 0.0 72.0
Area (sq m) = 1.1 0.1 0.0 1.4
Vel (m/s) = 4.01 1.99 0.07 8.79
Depth (m) = 0.63 0.62 0.35 0.84

STATUS: Analyzing cross-section reach 9.000.

STATUS: (3265) Divided flow.

STATUS: (3280) For cross-section 9.00, ends have been extended vertically 0.73 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.70
Right Overbank Elevation (m, RBEL) 360.08

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PROJECT TITLE : Stato di progetto
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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
9.000	0.050	0.020	0.000	1.02	359.70	360.15	0.00
0.086158	4	4	4	361.88	2.17	0.43	-0.05
1.03	1	1	0	0.00	359.70	360.08	20
16	6	10	0	3.7	0.00	3.75	14
0.01	3.93	7.79	0.00	0.000	1.7	358.68	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 9.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 359.70

Station (m) = 0.0 2.2 2.3 4.0
Flow (%) = 39.7 0.0 60.2

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

Area (sq m) = 1.7 0.0 1.3
Vel (m/s) = 4.00 0.06 7.79
Depth (m) = 0.75 0.40 0.90

STATUS: Analyzing cross-section reach 8.000.

STATUS: (3280) For cross-section 8.00, ends have been extended vertically 0.81 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.67
Right Overbank Elevation (m, RBEL) 359.80

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PROJECT TITLE : Stato di progetto
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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
8.000	0.050	0.020	0.000	1.06	359.67	359.99	0.00
0.049140	3	3	3	360.86	1.19	0.25	-0.10
1.04	2	1	0	0.00	359.67	359.75	20
16	8	8	0	4.9	0.00	4.88	21
0.01	3.34	5.98	0.00	0.000	1.7	358.61	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 8.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 359.67

Station (m) = 0.0 1.0 2.9 3.1 3.3 4.9
Flow (%) = 12.9 33.9 3.3 0.0 49.9
Area (sq m) = 0.8 1.5 0.2 0.0 1.4
Vel (m/s) = 2.61 3.81 2.98 0.04 5.98
Depth (m) = 0.81 0.80 0.79 0.05 0.91

STATUS: Analyzing cross-section reach 7.000.

STATUS: (3280) For cross-section 7.00, ends have been extended vertically 0.87 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.66
Right Overbank Elevation (m, RBEL) 359.77

7.000	0.050	0.020	0.000	1.13	359.72	360.00	0.00
0.032273	1	1	1	360.73	1.01	0.04	0.03
1.04	2	1	0	0.00	359.66	359.77	20
16	6	9	0	5.1	0.00	5.08	14
0.01	2.59	5.40	0.00	0.000	1.7	358.59	0

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PROJECT TITLE : Stato di progetto
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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 7.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 359.72

Station (m) = 0.0 0.4 3.1 3.2 5.1
Flow (%) = 2.8 38.6 0.0 58.7
Area (sq m) = 0.3 2.3 0.0 1.8
Vel (m/s) = 1.45 2.77 0.04 5.40
Depth (m) = 0.87 0.87 0.12 0.99

STATUS: Analyzing cross-section reach 6.000.

STATUS: (3280) For cross-section 6.00, ends have been extended vertically 0.85 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.55
Right Overbank Elevation (m, RBEL) 359.68

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
6.000	0.050	0.020	0.000	1.11	359.61	359.86	0.00
0.031942	4	4	4	360.57	0.96	0.16	0.00
1.07	2	1	0	0.00	359.55	359.68	11
16	7	9	0	5.2	0.00	5.22	11
0.01	2.62	5.30	0.00	0.000	1.8	358.50	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 6.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 359.61

Station (m) = 0.0 2.1 3.2 3.4 5.2

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

Flow (%)	=	27.1	16.1	0.0	56.7
Area (sq m)	=	1.8	1.0	0.0	1.8
Vel (m/s)	=	2.57	2.76	0.04	5.30
Depth (m)	=	0.86	0.87	0.10	0.97

STATUS: Analyzing cross-section reach 5.000.

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STATUS: (3280) For cross-section 5.00, ends have been extended vertically 0.81 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)		359.44			
		Right Overbank Elevation (m, RBEL)		359.57			
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

5.000	0.050	0.020	0.000	1.08	359.49	359.63	0.00
0.028899	5	5	5	360.33	0.84	0.16	0.00
1.09	3	1	0	0.00	359.44	359.57	20
16	7	8	0	5.7	0.00	5.67	8
0.02	2.59	5.03	0.00	0.000	1.8	358.41	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	5.000
Total Discharge (cms, Q)	16
Computed Water Surface Elevation (m MSL, CWSEL)	359.49

Station (m) =	0.0	2.0	3.6	3.8	5.8
Flow (%)	=	23.7	23.3	0.0	52.9
Area (sq m)	=	1.7	1.4	0.0	1.8
Vel (m/s)	=	2.39	2.87	0.03	5.03
Depth (m)	=	0.83	0.84	0.09	0.95

STATUS: Analyzing cross-section reach 4.000.

STATUS: (3280) For cross-section 4.00, ends have been extended vertically 0.84 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

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WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)		359.32			
		Right Overbank Elevation (m, RBEL)		359.44			
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

4.000	0.050	0.020	0.000	1.13	359.44	359.50	0.00
0.030524	5	5	5	360.41	0.97	0.18	0.00
1.12	2	1	0	0.00	359.32	359.44	20
16	7	9	0	5.4	0.23	5.67	11
0.02	2.53	5.32	0.00	0.000	1.8	358.30	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	4.000
Total Discharge (cms, Q)	16
Computed Water Surface Elevation (m MSL, CWSEL)	359.44

Station (m) =	0.2	3.5	3.6	3.8	5.7
Flow (%)	=	41.4	0.7	0.0	57.9
Area (sq m)	=	2.6	0.1	0.0	1.8
Vel (m/s)	=	2.63	0.95	0.03	5.32
Depth (m)	=	0.82	0.81	0.15	0.96

STATUS: Analyzing cross-section reach 3.000.

STATUS: (3280) For cross-section 3.00, ends have been extended vertically 0.79 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

3.000	0.050	0.020	0.050	1.11	359.35	359.47	0.00

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

0.024896	3	3	3	359.94	0.60	0.11	0.01
1.14	2	1	2	0.00	359.25	359.25	20
16	5	6	4	8.0	0.34	8.32	8
0.02	2.28	4.65	2.00	0.000	1.9	358.24	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 3.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 359.35

Station (m) =	0.3	1.4	2.7	3.3	3.5	4.9
Flow (%) =	8.7	16.8	6.5	0.0	41.6	
Area (sq m) =	0.8	1.0	0.5	0.0	1.5	
Vel (m/s) =	1.83	2.71	2.22	0.03	4.65	
Depth (m) =	0.79	0.80	0.74	0.12	1.08	

Station (m) =	4.9	5.9	8.3
Flow (%) =	6.3	20.2	
Area (sq m) =	0.6	1.6	
Vel (m/s) =	1.83	2.06	
Depth (m) =	0.56	0.69	

STATUS: Analyzing cross-section reach 2.000.

STATUS: (3280) For cross-section 2.00, ends have been extended vertically 0.94 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3693) It is probable that critical depth has been crossed.

WARNING: (3720) Critical depth has been assumed.

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SECNO	XNCH	XNCH	XNCH	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOB	XLCH	XLOB	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
2.000	0.050	0.020	0.050	1.58	359.48	359.48	0.00
0.006728	1	1	1	359.97	0.49	0.01	0.00
1.15	2	2	2	0.00	358.86	358.58	20
16	3	10	3	7.8	0.13	7.92	14
0.02	1.30	3.82	1.25	0.000	1.9	357.90	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 2.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 359.48

Station (m) =	0.1	0.5	1.0	2.1	3.0	4.8
Flow (%) =	1.4	4.3	7.7	4.8	61.5	
Area (sq m) =	0.4	0.5	0.9	0.6	2.7	
Vel (m/s) =	0.68	1.57	1.44	1.26	3.82	
Depth (m) =	0.94	0.94	0.84	0.68	1.46	

Station (m) =	4.8	4.8	7.9
Flow (%) =	0.0	20.4	
Area (sq m) =	0.0	2.7	
Vel (m/s) =	1.26	1.25	
Depth (m) =	0.90	0.89	

STATUS: Analyzing cross-section reach 1.000.

STATUS: (3280) For cross-section 1.00, ends have been extended vertically 0.53 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO)							3.18
1.000	0.050	0.040	0.050	1.28	358.98	359.25	0.00
0.0068153	6	6	6	359.87	0.89	0.10	0.00
1.19	0	1	1	0.00	358.85	358.30	8
16	1	9	5	7.8	0.19	7.95	8
0.02	2.12	4.84	3.48	0.000	1.9	357.70	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 1.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 358.98

Station (m) =	0.2	2.9	5.1	7.5	7.9
Flow (%) =	10.6	54.6	31.5	3.3	
Area (sq m) =	0.8	1.9	1.4	0.3	
Vel (m/s) =	2.12	4.84	3.73	2.11	
Depth (m) =	0.30	0.87	0.61	0.53	

T1 Analisi idraulica Rio Calcinera
T2 Stato di progetto
T3 201380p.dwg

JOB PARAMETERS :

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		3		1		1		17.5	392.7	
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2		-1				0	-6		15

STATUS: Analyzing profile 2.

STATUS: Analyzing cross-section reach 48.000.

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	393.65
Right Overbank Elevation (m, RBEL)	393.65

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
48.000	0.000	0.040	0.000	1.34	392.70	393.32	392.70
0.116792	0	0	0	394.68	1.98	0.00	0.00
0.00	0	2	0	0.00	393.65	393.65	0
17	0	17	0	2.5	6.72	9.18	10
0.00	0.00	6.23	0.00	0.000	0.0	391.36	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	48.000
Total Discharge (cms, Q)	17
Computed Water Surface Elevation (m MSL, CWSEL)	392.70

Station (m) =	6.7	9.4
Flow (%) =	100.0	
Area (sq m) =	2.8	
Vel (m/s) =	6.23	
Depth (m) =	1.14	

STATUS: Analyzing cross-section reach 47.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	393.25
Right Overbank Elevation (m, RBEL)	393.25

47.000	0.000	0.040	0.000	1.32	392.26	392.91	0.00
0.125476	2	2	2	394.35	2.09	0.33	0.00
0.01	0	2	0	0.00	393.25	393.25	6
17	0	17	0	2.4	6.13	8.57	11
0.00	0.00	6.41	0.00	0.000	0.0	390.94	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	47.000
Total Discharge (cms, Q)	17
Computed Water Surface Elevation (m MSL, CWSEL)	392.26

Station (m) =	6.1	8.9
Flow (%) =	100.0	
Area (sq m) =	2.7	
Vel (m/s) =	6.41	
Depth (m) =	1.12	

STATUS: Analyzing cross-section reach 46.000.

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PROJECT NUMBER : Analisi idraulica Rio Calcinera	4/06/2021

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	392.70
Right Overbank Elevation (m, RBEL)	392.70

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
46.000	0.000	0.040	0.000	1.30	391.68	392.35	0.00
0.133813	3	3	3	393.87	2.19	0.48	0.00
0.02	0	2	0	0.00	392.70	392.70	6
17	0	17	0	2.4	6.49	8.91	11
0.00	0.00	6.56	0.00	0.000	0.0	390.38	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	46.000
Total Discharge (cms, Q)	17
Computed Water Surface Elevation (m MSL, CWSEL)	391.68

Station (m) =	6.5	9.2
Flow (%) =	100.0	
Area (sq m) =	2.7	
Vel (m/s) =	6.56	
Depth (m) =	1.10	

STATUS: Analyzing cross-section reach 45.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO)	1.66
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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	391.20
Right Overbank Elevation (m, RBEL)	391.20

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PROJECT TITLE : Stato di progetto	
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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

45.000	0.000	0.040	0.000	0.65	388.95	389.82	0.00
0.366953	4	4	4	393.04	4.09	0.83	0.00
0.03	0	1	0	0.00	391.20	7	
17	0	17	0	3.0	5.27	8.25	8
0.00	0.00	8.96	0.00	0.000	0.0	388.30	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 45.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 388.95

Station (m) = 5.3 8.3
Flow (%) = 100.0
Area (sq m) = 2.0
Vel (m/s) = 8.96
Depth (m) = 0.65

STATUS: Analyzing cross-section reach 44.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 391.09
Right Overbank Elevation (m, RBEL) 391.09

44.000	0.000	0.040	0.000	0.74	388.93	389.70	0.00
0.253458	3	3	3	392.10	3.17	0.94	0.00
0.03	0	2	0	0.00	391.09	391.09	4
17	0	17	0	3.0	4.50	7.48	17
0.00	0.00	7.89	0.00	0.000	0.0	388.19	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 44.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 388.93

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PROJECT TITLE : Stato di progetto
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Station (m) = 4.5 7.5
Flow (%) = 100.0
Area (sq m) = 2.2
Vel (m/s) = 7.89
Depth (m) = 0.74

STATUS: Analyzing cross-section reach 43.000.

STATUS: (3280) For cross-section 43.00, ends have been extended vertically 0.43 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 390.97
Right Overbank Elevation (m, RBEL) 390.00

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
43.000	0.000	0.040	0.000	0.83	388.90	389.59	0.00
0.162060	3	3	3	391.44	2.54	0.66	0.00
0.04	0	2	0	0.00	390.97	388.47	6
17	0	17	0	3.0	4.27	7.26	14
0.00	0.00	7.07	0.00	0.000	0.0	388.07	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 43.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 388.90

Station (m) = 4.3 7.3
Flow (%) = 100.0
Area (sq m) = 2.5
Vel (m/s) = 7.07
Depth (m) = 0.83

STATUS: Analyzing cross-section reach 42.000.

STATUS: (3280) For cross-section 42.00, ends have been extended vertically 0.50 meters in order to calculate the hydraulic cross-section properties.

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PROJECT TITLE : Stato di progetto
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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 390.80
Right Overbank Elevation (m, RBEL) 390.85

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
42.000	0.000	0.040	0.000	0.90	388.85	389.46	0.00
0.124130	3	3	3	390.99	2.14	0.45	0.00
0.05	0	2	0	0.00	390.85	388.35	7
17	0	17	0	3.0	4.02	7.01	14
0.00	0.00	6.48	0.00	0.000	0.1	387.95	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 42.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 388.85

Station (m) = 4.0 7.0
Flow (%) = 100.0
Area (sq m) = 2.7
Vel (m/s) = 6.48
Depth (m) = 0.90

STATUS: Analyzing cross-section reach 41.000.

STATUS: (3280) For cross-section 41.00, ends have been extended vertically 0.58 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	390.74					
	Right Overbank Elevation (m, RBEL)	390.00					
41.000	0.000	0.040	0.000	0.98	388.82	389.35	0.00
0.097745	3	3	3	390.65	1.83	0.34	0.00
0.06	0	2	0	0.00	390.74	388.24	6
17	0	17	0	3.0	3.43	6.42	14
0.00	0.00	5.99	0.00	0.000	0.1	387.84	0

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PROJECT TITLE : Stato di progetto
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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 41.000
Total Discharge (cms, Q) 17
Computed Water Surface Elevation (m MSL, CWSEL) 388.82

Station (m) = 3.4 6.4
Flow (%) = 100.0
Area (sq m) = 2.9
Vel (m/s) = 5.99
Depth (m) = 0.98

STATUS: Analyzing cross-section reach 40.000.

STATUS: (3280) For cross-section 40.00, ends have been extended vertically 0.28 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 1.73

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	390.64					
	Right Overbank Elevation (m, RBEL)	390.00					
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
40.000	0.000	0.040	0.000	0.69	388.43	388.95	0.00
0.148919	2	2	2	390.33	1.90	0.32	0.00
0.06	0	2	0	0.00	390.64	388.14	6
12	0	12	0	3.0	3.16	6.15	11
0.00	0.00	6.11	0.00	0.000	0.1	387.74	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 40.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 388.43

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PROJECT TITLE : Stato di progetto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

Station (m) = 3.2 6.2
Flow (%) = 100.0
Area (sq m) = 2.0
Vel (m/s) = 6.11
Depth (m) = 0.68

STATUS: Analyzing cross-section reach 39.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	388.61					
	Right Overbank Elevation (m, RBEL)	388.10					
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
39.000	0.000	0.040	0.000	0.58	387.19	387.80	0.00
0.259047	2	2	2	389.79	2.60	0.54	0.00
0.07	0	1	0	0.00	388.61	388.10	4
12	0	12	0	3.1	3.25	6.36	14
0.00	0.00	7.15	0.00	0.000	0.1	386.61	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 39.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 387.19

Station (m) = 3.2 6.4
Flow (%) = 100.0
Area (sq m) = 1.7
Vel (m/s) = 7.15
Depth (m) = 0.56

STATUS: Analyzing cross-section reach 38.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	388.45
Right Overbank Elevation (m, RBEL)	388.10

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
38.000	0.000	0.040	0.000	0.65	387.10	387.64	0.00
0.179529	3	3	3	389.12	2.03	0.66	0.00
0.08	0	1	0	0.00	388.45	388.10	6
12	0	12	0	3.1	4.70	7.84	14
0.00	0.00	6.31	0.00	0.000	0.1	386.45	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	38.000
Total Discharge (cms, Q)	12
Computed Water Surface Elevation (m MSL, CWSEL)	387.10
Station (m) =	4.7 7.8
Flow (%) =	100.0
Area (sq m) =	2.0
Vel (m/s) =	6.31
Depth (m) =	0.63

STATUS: Analyzing cross-section reach 37.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	388.33
Right Overbank Elevation (m, RBEL)	388.10

37.000	0.000	0.040	0.000	0.73	387.06	387.53	0.00
0.135530	2	2	2	388.72	1.67	0.40	0.00
0.08	0	2	0	0.00	388.33	388.10	7
12	0	12	0	3.1	5.35	8.50	14
0.00	0.00	5.72	0.00	0.000	0.1	386.33	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	37.000
Total Discharge (cms, Q)	12
Computed Water Surface Elevation (m MSL, CWSEL)	387.06
Station (m) =	5.4 8.5
Flow (%) =	100.0
Area (sq m) =	2.2
Vel (m/s) =	5.72
Depth (m) =	0.69

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PROJECT TITLE : Stato di progetto	
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STATUS: Analyzing cross-section reach 36.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	388.20
Right Overbank Elevation (m, RBEL)	388.10

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
36.000	0.000	0.040	0.000	0.80	387.00	387.41	0.00
0.108722	2	2	2	388.42	1.42	0.30	0.00
0.09	0	2	0	0.00	388.20	388.10	6
12	0	12	0	3.2	8.51	11.67	14
0.00	0.00	5.29	0.00	0.000	0.1	386.20	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	36.000
Total Discharge (cms, Q)	12
Computed Water Surface Elevation (m MSL, CWSEL)	387.00
Station (m) =	8.5 11.7
Flow (%) =	100.0
Area (sq m) =	2.4
Vel (m/s) =	5.29
Depth (m) =	0.75

STATUS: Analyzing cross-section reach 35.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)	388.05
Right Overbank Elevation (m, RBEL)	388.10

35.000	0.000	0.040	0.000	0.87	386.92	387.28	0.00
0.087179	3	3	3	388.13	1.22	0.29	0.00
0.09	0	2	0	0.00	388.05	388.10	5
12	0	12	0	3.2	7.64	10.81	14
0.00	0.00	4.89	0.00	0.000	0.1	386.05	0

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PROJECT NUMBER : Analisi idraulica Rio Calcinera	4/06/2021

FLOW DISTRIBUTION :

Cross-Section Number (SECNO)	35.000
Total Discharge (cms, Q)	12
Computed Water Surface Elevation (m MSL, CWSEL)	386.92

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

Station (m) = 7.6 10.8
Flow (%) = 100.0
Area (sq m) = 2.6
Vel (m/s) = 4.89
Depth (m) = 0.81

STATUS: Analyzing cross-section reach 34.000.

STATUS: (3280) For cross-section 34.00, ends have been extended vertically 0.46 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 1.78

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 386.39
Right Overbank Elevation (m, RBEL) 386.00

SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLBL	XLCH	XLBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
34.000	0.000	0.040	0.000	0.57	384.96	385.59	0.00
0.276522	3	3	3	387.67	2.70	0.47	0.00
0.10	0	1	0	0.00	386.39	386.00	5
12	0	12	0	3.1	9.08	12.20	11
0.00	0.00	7.29	0.00	0.000	0.1	384.39	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 34.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 384.96

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PROJECT TITLE : Stato di progetto
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Station (m) = 9.1 12.2
Flow (%) = 100.0
Area (sq m) = 1.7
Vel (m/s) = 7.29
Depth (m) = 0.55

STATUS: Analyzing cross-section reach 33.000.

STATUS: (3280) For cross-section 33.00, ends have been extended vertically 0.41 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 386.07
Right Overbank Elevation (m, RBEL) 386.00

SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLBL	XLCH	XLBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
33.000	0.000	0.040	0.000	0.64	384.91	385.47	0.00
0.202247	2	2	2	387.09	2.18	0.57	0.00
0.11	0	1	0	0.00	386.07	386.00	6
12	0	12	0	3.2	6.64	9.79	17
0.00	0.00	6.54	0.00	0.000	0.1	384.27	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 33.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 384.91

Station (m) = 6.6 9.8
Flow (%) = 100.0
Area (sq m) = 1.9
Vel (m/s) = 6.54
Depth (m) = 0.61

STATUS: Analyzing cross-section reach 32.000.

STATUS: (3280) For cross-section 32.00, ends have been extended vertically 0.31 meters in order to calculate the hydraulic cross-section properties.

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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 385.32
Right Overbank Elevation (m, RBEL) 386.00

SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLBL	XLCH	XLBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
32.000	0.000	0.040	0.000	0.69	384.81	385.40	0.00
0.149327	2	2	2	386.59	1.78	0.50	0.00
0.11	0	2	0	0.00	385.32	386.00	6
12	0	12	0	3.2	3.72	6.96	17
0.00	0.00	5.91	0.00	0.000	0.1	384.12	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 32.000

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Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 384.81

Station (m) = 3.7 7.0
Flow (%) = 100.0
Area (sq m) = 2.1
Vel (m/s) = 5.91
Depth (m) = 0.65

STATUS: Analyzing cross-section reach 31.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 384.41
Right Overbank Elevation (m, RBEL) 386.00

31.000	0.000	0.040	0.000	0.59	383.30	383.92	0.00
0.265127	3	3	3	385.94	2.64	0.65	0.00
0.12	0	1	0	0.00	384.41	386.00	4
12	0	12	0	3.0	3.68	6.67	14
0.00	0.00	7.20	0.00	0.000	0.2	382.71	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 31.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 383.30

Station (m) = 3.7 6.7
Flow (%) = 100.0
Area (sq m) = 1.7
Vel (m/s) = 7.20
Depth (m) = 0.58

STATUS: Analyzing cross-section reach 30.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 383.75
Right Overbank Elevation (m, RBEL) 384.75

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
30.000	0.000	0.040	0.000	1.43	383.57	384.23	0.00
0.140859	3	3	3	385.31	1.74	0.63	0.00
0.12	0	2	0	0.00	383.75	384.75	5
12	0	12	0	1.5	3.54	5.05	24
0.00	0.00	5.85	0.00	0.000	0.2	382.14	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 30.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 383.57

Station (m) = 3.5 5.1
Flow (%) = 100.0
Area (sq m) = 2.1
Vel (m/s) = 5.85
Depth (m) = 1.42

STATUS: Analyzing cross-section reach 29.000.

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STATUS: (3280) For cross-section 29.00, ends have been extended vertically 0.19 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 383.28
Right Overbank Elevation (m, RBEL) 384.21

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
29.000	0.050	0.040	0.000	1.82	383.53	383.86	0.00
0.132993	3	3	3	384.87	1.34	0.43	0.00
0.13	0	1	0	0.00	383.28	384.20	6
12	2	10	0	5.0	0.00	5.03	14
0.00	2.63	5.49	0.00	0.000	0.2	381.71	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 29.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 383.53

Station (m) = 0.0 1.5 2.7 3.5 3.5 5.3
Flow (%) = 6.0 5.9 4.3 0.0 83.7
Area (sq m) = 0.3 0.3 0.2 0.0 1.9
Vel (m/s) = 2.51 2.65 2.80 2.80 5.49
Depth (m) = 0.20 0.22 0.24 0.26 1.28

STATUS: Analyzing cross-section reach 28.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 382.63
Right Overbank Elevation (m, RBEL) 383.72

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28.000	0.050	0.040	0.000	1.82	382.68	383.20	0.00
0.129995	4	4	4	384.35	1.67	0.53	0.00
0.14	0	2	0	0.00	382.63	383.72	6
12	0	12	0	2.6	2.61	5.22	12
0.00	0.07	5.72	0.00	0.000	0.2	380.86	0

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PROJECT TITLE : Stato di progetto
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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 28.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 382.68

Station (m) = 2.6 3.5 3.6 5.5
Flow (%) = 0.0 0.0 100.0
Area (sq m) = 0.0 0.0 2.2
Vel (m/s) = 0.07 0.07 5.72
Depth (m) = 0.02 0.05 1.32

STATUS: Analyzing cross-section reach 27.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 0.67

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 380.63
Right Overbank Elevation (m, RBEL) 380.58

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
27.000	0.000	0.020	0.000	1.64	380.44	381.16	0.00
0.058157	16	16	16	383.00	2.56	1.35	0.00
0.17	0	1	0	0.00	380.63	380.58	6
12	0	12	0	1.2	1.87	3.09	12
0.00	0.00	7.09	0.00	0.000	0.2	378.80	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 27.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 380.44

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PROJECT TITLE : Stato di progetto
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Station (m) = 1.9 3.1
Flow (%) = 100.0
Area (sq m) = 1.8
Vel (m/s) = 7.09
Depth (m) = 1.45

STATUS: Analyzing cross-section reach 26.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 379.16
Right Overbank Elevation (m, RBEL) 379.20

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
26.000	0.000	0.020	0.000	1.43	378.57	379.74	0.00
0.004679	13	13	13	382.00	3.51	0.92	0.00
0.20	0	1	0	0.00	379.16	379.20	6
12	0	12	0	1.2	1.95	3.17	16
0.00	0.00	8.31	0.00	0.000	0.2	377.14	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 26.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 378.57

Station (m) = 2.0 3.2
Flow (%) = 100.0
Area (sq m) = 1.5
Vel (m/s) = 8.31
Depth (m) = 1.24

STATUS: Analyzing cross-section reach 25.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 377.51
Right Overbank Elevation (m, RBEL) 377.38

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

Cross-Section Number (SECNO) 18.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 364.52

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Station (m) = 5.3 6.5
Flow (%) = 100.0
Area (sq m) = 1.6
Vel (m/s) = 7.67
Depth (m) = 1.34

STATUS: Analyzing cross-section reach 17.000.

STATUS: (3280) For cross-section 17.00, ends have been extended vertically 0.35 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 363.72
Right Overbank Elevation (m, RBEL) 363.67

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
17.000	0.000	0.020	0.000	1.54	363.53	364.17	0.00
0.067787	15	15	15	366.45	2.91	1.07	0.00
0.43	0	1	0	0.00	363.72	363.67	6
12	0	12	0	1.2	9.62	10.84	11
0.01	0.00	7.57	0.00	0.000	0.4	361.99	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 17.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 363.53

Station (m) = 9.6 10.8
Flow (%) = 100.0
Area (sq m) = 1.7
Vel (m/s) = 7.57
Depth (m) = 1.36

STATUS: Analyzing cross-section reach 16.000.

STATUS: (3280) For cross-section 16.00, ends have been extended vertically 0.14 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

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WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 362.93
Right Overbank Elevation (m, RBEL) 363.04

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
16.000	0.050	0.020	0.000	1.44	362.93	363.39	0.00
0.067268	11	11	11	365.60	2.67	0.78	0.05
0.45	0	1	0	0.00	362.93	363.04	20
12	0	11	0	8.6	0.00	8.64	11
0.01	1.02	7.47	0.00	0.000	0.5	361.49	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 16.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 362.93

Station (m) = 0.0 0.6 1.4 7.0 7.4 8.6
Flow (%) = 0.0 0.0 1.4 4.6 0.0 93.9
Area (sq m) = 0.1 0.1 0.5 0.0 1.6
Vel (m/s) = 0.05 1.53 1.08 0.05 7.47
Depth (m) = 0.14 0.16 0.09 0.00 1.29

STATUS: Analyzing cross-section reach 15.000.

STATUS: (3280) For cross-section 15.00, ends have been extended vertically 0.20 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

15.000	0.050	0.020	0.050	1.58	362.37	362.80	0.00
0.045173	21	21	21	364.44	2.07	1.16	0.00
0.51	0	1	0	0.00	362.08	362.24	5
12	0	11	0	11.9	0.00	11.91	9
0.01	0.93	6.71	0.87	0.000	0.7	360.79	0

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FLOW DISTRIBUTION :

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Cross-Section Number (SECNO) 15.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 362.37

Station (m) = 0.0 1.5 3.2 4.4 9.4 11.9
Flow (%) = 3.4 2.3 90.1 4.2 0.0
Area (sq m) = 0.3 0.5 1.7 0.5 0.1
Vel (m/s) = 1.36 0.64 6.71 0.97 0.04
Depth (m) = 0.21 0.27 1.38 0.11 0.03

STATUS: Analyzing cross-section reach 14.000.

STATUS: (3280) For cross-section 14.00, ends have been extended vertically 0.10 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
14.000	0.050	0.020	0.050	1.64	362.00	362.46	0.00
0.038676	14	14	14	363.84	1.84	0.60	0.00
0.55	0	1	0	0.00	361.70	361.82	6
12	0	11	0	9.2	0.00	9.16	13
0.01	1.18	6.33	1.04	0.000	0.9	360.36	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 14.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 362.00

Station (m) = 0.0 1.3 1.5 2.2 3.4 4.9
Flow (%) = 0.0 0.0 2.8 89.9 2.9
Area (sq m) = 0.0 0.1 0.2 1.8 0.3
Vel (m/s) = 0.04 0.04 1.77 6.33 1.28
Depth (m) = 0.03 0.22 0.30 1.46 0.18

Station (m) = 4.9 7.9 8.3 9.2
Flow (%) = 4.3 0.0 0.0
Area (sq m) = 0.5 0.0 0.1
Vel (m/s) = 1.14 0.04 0.04
Depth (m) = 0.16 0.13 0.09

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STATUS: Analyzing cross-section reach 13.000.

STATUS: (3280) For cross-section 13.00, ends have been extended vertically 0.20 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
13.000	0.050	0.020	0.050	1.53	361.55	361.96	0.00
0.042341	11	11	11	363.39	1.84	0.45	0.00
0.59	0	1	1	0.00	361.33	361.35	6
12	0	10	1	9.0	0.00	8.98	11
0.01	0.86	6.49	1.34	0.000	1.0	360.02	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 13.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 361.55

Station (m) = 0.0 0.8 1.2 1.5 2.2 2.3
Flow (%) = 1.6 0.0 0.0 1.7 0.0
Area (sq m) = 0.2 0.1 0.1 0.1 0.0
Vel (m/s) = 1.23 0.04 0.04 1.50 0.04
Depth (m) = 0.21 0.20 0.21 0.22 0.22

Station (m) = 2.3 3.5 7.2 9.0
Flow (%) = 85.2 8.2 3.3
Area (sq m) = 1.6 0.7 0.3
Vel (m/s) = 6.49 1.38 1.25
Depth (m) = 1.35 0.20 0.18

STATUS: Analyzing cross-section reach 12.000.

STATUS: (3280) For cross-section 12.00, ends have been extended vertically 0.37 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
12.000	0.050	0.020	0.050	1.61	361.50	361.93	0.00
0.046808	4	4	4	363.19	1.69	0.20	0.00
0.60	0	1	1	0.00	361.26	361.29	6
12	0	10	1	6.8	0.00	6.85	14
0.01	1.02	6.27	1.74	0.000	1.0	359.90	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 12.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 361.50

Station (m) = 0.0 1.8 1.8 2.9 4.0 5.4
Flow (%) = 2.1 0.0 83.1 2.6 4.7
Area (sq m) = 0.2 0.0 1.7 0.2 0.4
Vel (m/s) = 1.09 0.04 6.27 1.48 1.69
Depth (m) = 0.14 0.23 1.55 0.20 0.24

Station (m) = 5.4 6.5 6.8
Flow (%) = 6.3 1.1
Area (sq m) = 0.4 0.1
Vel (m/s) = 2.08 1.29
Depth (m) = 0.34 0.37

STATUS: Analyzing cross-section reach 11.000.

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STATUS: (3280) For cross-section 11.00, ends have been extended vertically 0.79 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO)										0.63
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK			
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS			
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL			
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC			
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT			

11.000	0.050	0.020	0.050	2.00	361.28	361.60	0.00			
0.018579	15	15	15	362.77	1.49	0.42	0.00			
0.64	0	2	0	0.00	360.49	360.49	6			
12	0	12	0	1.8	0.28	2.09	11			
0.01	0.64	5.49	0.84	0.000	1.1	359.28	0			

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 11.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 361.28

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Station (m) =	0.3	0.4	1.6	1.7	2.1
Flow (%) =	0.5	97.1	0.0	2.4	
Area (sq m) =	0.1	2.2	0.1	0.3	
Vel (m/s) =	0.64	5.49	0.03	1.07	
Depth (m) =	0.79	1.81	0.79	0.78	

STATUS: Analyzing cross-section reach 10.000.

STATUS: (3280) For cross-section 10.00, ends have been extended vertically 0.59 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								359.76
Right Overbank Elevation (m, RBEL)								360.17
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	
10.000	0.050	0.020	0.000	1.03	359.76	360.27	0.00	
0.070395	14	14	14	361.69	1.93	0.49	-0.07	
0.68	1	1	0	0.00	359.72	360.17	20	
12	3	9	0	3.5	0.24	3.70	19	
0.01	2.91	6.97	0.00	0.000	1.1	358.73	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 10.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 359.76

Station (m) =	0.2	2.0	2.2	2.2	3.9
Flow (%) =	25.5	1.3	0.0	73.1	
Area (sq m) =	1.0	0.1	0.0	1.3	
Vel (m/s) =	3.07	1.50	0.05	6.97	
Depth (m) =	0.59	0.58	0.31	0.89	

STATUS: Analyzing cross-section reach 9.000.

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STATUS: (3265) Divided flow.

STATUS: (3280) For cross-section 9.00, ends have been extended vertically 0.73 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								359.70
Right Overbank Elevation (m, RBEL)								360.08
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	

9.000	0.050	0.020	0.000	1.02	359.70	360.12	0.00	
0.046965	4	4	4	360.93	1.23	0.25	0.00	
0.69	1	1	0	0.00	359.70	360.08	20	
12	4	7	0	3.6	0.00	3.75	16	
0.01	2.90	5.86	0.00	0.000	1.1	358.68	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 9.000
Total Discharge (cms, Q) 12

Computed Water Surface Elevation (m MSL, CWSEL) 359.70

Station (m) = 0.0 2.2 2.3 4.0

Flow (%)	=	39.2	0.0	60.8
Area (sq m)	=	1.7	0.0	1.3
Vel (m/s)	=	2.95	0.04	5.86
Depth (m)	=	0.75	0.40	0.97

STATUS: Analyzing cross-section reach 8.000.

STATUS: (3280) For cross-section 8.00, ends have been extended vertically 0.83 meters in order to calculate the hydraulic cross-section properties.

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STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.67
Right Overbank Elevation (m, RBEL) 359.80

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

8.000	0.050	0.020	0.000	1.08	359.69	359.89	0.00
0.025318	3	3	3	360.32	0.63	0.13	0.29
0.71	2	1	0	0.00	359.67	359.75	20
12	6	6	0	4.9	0.00	4.88	12
0.01	2.43	4.34	0.00	0.000	1.1	358.61	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 8.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 359.69

Station (m) = 0.0 1.0 2.9 3.1 3.3 4.9

Flow (%)	=	12.9	34.1	3.3	0.0	49.7
Area (sq m)	=	0.9	1.5	0.2	0.0	1.4
Vel (m/s)	=	1.89	2.78	2.18	0.03	4.34
Depth (m)	=	0.83	0.82	0.81	0.07	0.93

STATUS: Analyzing cross-section reach 7.000.

STATUS: (3280) For cross-section 7.00, ends have been extended vertically 0.83 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.66
Right Overbank Elevation (m, RBEL) 359.77

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

7.000	0.050	0.020	0.000	1.08	359.67	359.83	0.00
0.020821	1	1	1	360.30	0.62	0.02	0.00
0.71	2	1	0	0.00	359.66	359.77	2
12	5	7	0	5.1	0.00	5.07	9
0.01	2.02	4.24	0.00	0.000	1.1	358.59	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 7.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 359.67

Station (m) = 0.0 0.4 3.1 3.2 5.1

Flow (%)	=	2.8	38.1	0.0	59.1
Area (sq m)	=	0.3	2.2	0.0	1.7
Vel (m/s)	=	1.16	2.15	0.03	4.24
Depth (m)	=	0.83	0.82	0.08	0.95

STATUS: Analyzing cross-section reach 6.000.

STATUS: (3280) For cross-section 6.00, ends have been extended vertically 0.82 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.55
Right Overbank Elevation (m, RBEL) 359.68

6.000	0.050	0.020	0.000	1.08	359.58	359.72	0.00
0.019620	4	4	4	360.15	0.57	0.10	0.00
0.73	2	1	0	0.00	359.55	359.68	20
12	5	7	0	5.2	0.00	5.21	12
0.01	2.02	4.09	0.00	0.000	1.2	358.50	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 6.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 359.58

Station (m) = 0.0 2.1 3.2 3.4 5.2
Flow (%) = 27.0 16.0 0.0 56.9
Area (sq m) = 1.7 0.9 0.0 1.7
Vel (m/s) = 1.98 2.11 0.03 4.09
Depth (m) = 0.83 0.84 0.07 0.95

STATUS: Analyzing cross-section reach 5.000.

STATUS: (3265) Divided flow.

STATUS: (3280) For cross-section 5.00, ends have been extended vertically 0.76 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.44
Right Overbank Elevation (m, RBEL) 359.57

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
5.000	0.050	0.020	0.000	1.03	359.44	359.62	0.00
0.019092	5	5	5	359.97	0.53	0.10	-0.02
0.75	2	1	0	0.00	359.44	359.57	20
12	5	6	0	5.5	0.00	5.66	11
0.01	2.04	3.98	0.00	0.000	1.2	358.41	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 5.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 359.44

Station (m) = 0.0 2.0 3.6 3.8 5.8
Flow (%) = 23.6 23.0 0.0 53.3
Area (sq m) = 1.6 1.3 0.0 1.7
Vel (m/s) = 1.89 2.24 0.03 3.98
Depth (m) = 0.78 0.79 0.04 0.91

STATUS: Analyzing cross-section reach 4.000.

STATUS: (3280) For cross-section 4.00, ends have been extended vertically 0.83 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.32
Right Overbank Elevation (m, RBEL) 359.44

4.000 0.050 0.020 0.000 1.13 359.43 359.46 0.00
0.017193 5 5 5 359.98 0.55 0.11 0.02
0.78 2 1 0 0.00 359.32 359.44 20
12 5 7 0 5.4 0.23 5.67 10
0.02 1.90 3.99 0.00 0.000 1.2 358.30 0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 4.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 359.43

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PROJECT TITLE : Stato di progetto
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Station (m) = 0.2 3.5 3.6 3.8 5.7
Flow (%) = 41.4 0.7 0.0 58.0
Area (sq m) = 2.6 0.1 0.0 1.8
Vel (m/s) = 1.97 0.71 0.03 3.99
Depth (m) = 0.82 0.80 0.14 0.96

STATUS: Analyzing cross-section reach 3.000.

STATUS: (3280) For cross-section 3.00, ends have been extended vertically 0.70 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
3.000	0.050	0.020	0.050	1.02	359.26	359.32	0.00
0.019868	3	3	3	359.69	0.43	0.07	0.07

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0.80	2	1	1	0.00	359.25	359.25	20
12	3	5	3	8.0	0.34	8.32	11
0.02	1.91	3.91	1.66	0.000	1.2	358.24	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 3.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 359.26

Station (m) = 0.3 1.4 2.7 3.3 3.5 4.9
Flow (%) = 8.8 16.5 6.3 0.0 43.1
Area (sq m) = 0.7 0.9 0.4 0.0 1.4
Vel (m/s) = 1.56 2.23 1.81 0.03 3.91
Depth (m) = 0.69 0.70 0.65 0.03 0.99

Station (m) = 4.9 5.9 8.3
Flow (%) = 5.9 19.5
Area (sq m) = 0.5 1.4
Vel (m/s) = 1.53 1.71
Depth (m) = 0.47 0.60

STATUS: Analyzing cross-section reach 2.000.

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STATUS: (3280) For cross-section 2.00, ends have been extended vertically 0.77 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3693) It is probable that critical depth has been crossed.

WARNING: (3720) Critical depth has been assumed.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
2.000	0.050	0.020	0.050	1.41	359.31	359.31	0.00
0.006338	1	1	1	359.72	0.41	0.01	0.00
0.81	1	2	2	0.00	358.86	358.58	20
12	2	8	2	7.8	0.13	7.92	14
0.02	1.09	3.41	1.09	0.000	1.3	357.90	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 2.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 359.31

Station (m) = 0.1 0.5 1.0 2.1 3.0 4.8
Flow (%) = 1.5 4.0 6.8 3.8 64.9
Area (sq m) = 0.3 0.4 0.7 0.5 2.4
Vel (m/s) = 0.63 1.33 1.20 1.01 3.41
Depth (m) = 0.77 0.77 0.67 0.51 1.20

Station (m) = 4.8 4.8 7.9
Flow (%) = 0.0 19.0
Area (sq m) = 0.0 2.2
Vel (m/s) = 1.01 1.09
Depth (m) = 0.72 0.71

STATUS: Analyzing cross-section reach 1.000.

STATUS: (3280) For cross-section 1.00, ends have been extended vertically 0.43 meters in order to calculate the hydraulic cross-section properties.

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WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 3.22

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
1.000	0.050	0.040	0.050	1.17	358.88	359.09	0.00
0.065563	6	6	6	359.62	0.74	0.10	0.00
0.84	0	1	1	0.00	358.85	358.30	7
12	0	7	4	7.8	0.19	7.95	5
0.02	1.62	4.37	3.04	0.000	1.3	357.70	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 1.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 358.88

Station (m) = 0.2 2.9 5.1 7.5 7.9
Flow (%) = 7.3 58.7 30.7 3.3
Area (sq m) = 0.6 1.7 1.2 0.2
Vel (m/s) = 1.62 4.37 3.25 1.92
Depth (m) = 0.20 0.77 0.51 0.43

T1 Analisi idraulica Rio Calcinera
T2 Stato di progetto
T3 201380p.dwg

JOB PARAMETERS :

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		4		1		1		16	392.55	
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE

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SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
45.000	0.000	0.040	0.000	0.60	388.90	389.73	0.00
0.387975	4	4	4	392.91	4.01	0.90	0.00
0.02	0	1	0	0.00	391.20	391.20	8
16	0	15	0	3.0	5.27	8.25	11
0.00	0.00	8.87	0.00	0.000	0.0	388.30	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 45.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 388.90

Station (m) = 5.3 8.3
Flow (%) = 100.0
Area (sq m) = 1.8
Vel (m/s) = 8.87
Depth (m) = 0.60

STATUS: Analyzing cross-section reach 44.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)							391.09
Right Overbank Elevation (m, RBEL)							391.09
44.000	0.000	0.040	0.000	0.69	388.88	389.62	0.00
0.260292	3	3	3	391.94	3.05	0.98	0.00
0.03	0	2	0	0.00	391.09	391.09	4
16	0	15	0	3.0	4.50	7.48	17
0.00	0.00	7.74	0.00	0.000	0.0	388.19	0

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PROJECT TITLE : Stato di progetto
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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 44.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 388.88

Station (m) = 4.5 7.5
Flow (%) = 100.0
Area (sq m) = 2.1
Vel (m/s) = 7.74
Depth (m) = 0.69

STATUS: Analyzing cross-section reach 43.000.

STATUS: (3280) For cross-section 43.00, ends have been extended vertically 0.38 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)							390.97
Right Overbank Elevation (m, RBEL)							390.00
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
43.000	0.000	0.040	0.000	0.78	388.85	389.50	0.00
0.164863	3	3	3	391.26	2.41	0.67	0.00
0.04	0	2	0	0.00	390.97	388.47	6
16	0	15	0	3.0	4.27	7.26	14
0.00	0.00	6.89	0.00	0.000	0.0	388.07	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 43.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 388.85

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PROJECT TITLE : Stato di progetto
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Station (m) = 4.3 7.3
Flow (%) = 100.0
Area (sq m) = 2.3
Vel (m/s) = 6.89
Depth (m) = 0.78

STATUS: Analyzing cross-section reach 42.000.

STATUS: (3280) For cross-section 42.00, ends have been extended vertically 0.45 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)							390.80
Right Overbank Elevation (m, RBEL)							390.85
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
42.000	0.000	0.040	0.000	0.85	388.80	389.37	0.00
0.123826	3	3	3	390.81	2.00	0.45	0.00
0.04	0	2	0	0.00	390.85	388.35	7
16	0	15	0	3.0	4.02	7.01	14
0.00	0.00	6.27	0.00	0.000	0.1	387.95	0

COMUNE DI CAPRIE
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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 42.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 388.80

Station (m) = 4.0 7.0
Flow (%) = 100.0
Area (sq m) = 2.5
Vel (m/s) = 6.27
Depth (m) = 0.85

STATUS: Analyzing cross-section reach 41.000.

STATUS: (3280) For cross-section 41.00, ends have been extended vertically 0.53 meters in order to calculate the hydraulic cross-section properties.

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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 390.74
Right Overbank Elevation (m, RBEL) 390.00

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
41.000	0.000	0.040	0.000	0.93	388.77	389.26	0.00
0.096165	3	3	3	390.47	1.70	0.34	0.00
0.05	0	2	0	0.00	390.74	388.24	6
16	0	15	0	3.0	3.43	6.42	14
0.00	0.00	5.78	0.00	0.000	0.1	387.84	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 41.000
Total Discharge (cms, Q) 16
Computed Water Surface Elevation (m MSL, CWSEL) 388.77

Station (m) = 3.4 6.4
Flow (%) = 100.0
Area (sq m) = 2.8
Vel (m/s) = 5.78
Depth (m) = 0.93

STATUS: Analyzing cross-section reach 40.000.

STATUS: (3280) For cross-section 40.00, ends have been extended vertically 0.27 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 1.65

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 390.64
Right Overbank Elevation (m, RBEL) 390.00

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
40.000	0.000	0.040	0.000	0.68	388.42	388.90	0.00
0.140230	2	2	2	390.16	1.74	0.31	0.00
0.06	0	1	0	0.00	390.64	388.14	6
11	0	11	0	3.0	3.16	6.15	11
0.00	0.00	5.85	0.00	0.000	0.1	387.74	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 40.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 388.42

Station (m) = 3.2 6.2
Flow (%) = 100.0
Area (sq m) = 2.0
Vel (m/s) = 5.85
Depth (m) = 0.67

STATUS: Analyzing cross-section reach 39.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 388.61
Right Overbank Elevation (m, RBEL) 388.10

39.000	0.000	0.040	0.000	0.55	387.16	387.75	0.00
0.256811	2	2	2	389.64	2.47	0.52	0.00
0.07	0	1	0	0.00	388.61	388.10	4
11	0	11	0	3.1	3.25	6.36	14
0.00	0.00	6.97	0.00	0.000	0.1	386.61	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 39.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 387.16

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Station (m) = 3.3 6.4
Flow (%) = 100.0
Area (sq m) = 1.7
Vel (m/s) = 6.97
Depth (m) = 0.54

STATUS: Analyzing cross-section reach 38.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)	388.45				
		Right Overbank Elevation (m, RBEL)	388.10				
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
38.000	0.000	0.040	0.000	0.63	387.08	387.59	0.00
0.175209	3	3	3	388.99	1.91	0.65	0.00
0.07	0	1	0	0.00	388.45	388.10	6
11	0	11	0	3.1	4.70	7.84	14
0.00	0.00	6.12	0.00	0.000	0.1	386.45	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 38.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 387.08

Station (m) = 4.7 7.8
Flow (%) = 100.0
Area (sq m) = 1.9
Vel (m/s) = 6.12
Depth (m) = 0.61

STATUS: Analyzing cross-section reach 37.000.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	388.33
	Right Overbank Elevation (m, RBEL)	388.10

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
37.000	0.000	0.040	0.000	0.70	387.03	387.48	0.00
0.131165	2	2	2	388.60	1.56	0.39	0.00
0.08	0	2	0	0.00	388.33	388.10	7
11	0	11	0	3.1	5.36	8.50	14
0.00	0.00	5.54	0.00	0.000	0.1	386.33	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 37.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 387.03

Station (m) = 5.4 8.5
Flow (%) = 100.0
Area (sq m) = 2.1
Vel (m/s) = 5.54
Depth (m) = 0.67

STATUS: Analyzing cross-section reach 36.000.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	388.20
	Right Overbank Elevation (m, RBEL)	388.10

36.000	0.000	0.040	0.000	0.77	386.97	387.36	0.00
0.104849	2	2	2	388.31	1.33	0.29	0.00
0.08	0	2	0	0.00	388.20	388.10	6
11	0	11	0	3.2	8.52	11.67	14
0.00	0.00	5.12	0.00	0.000	0.1	386.20	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 36.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 386.97

Station (m) = 8.5 11.7
Flow (%) = 100.0
Area (sq m) = 2.3
Vel (m/s) = 5.12
Depth (m) = 0.72

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STATUS: Analyzing cross-section reach 35.000.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	388.05
	Right Overbank Elevation (m, RBEL)	388.10

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

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35.000	0.000	0.040	0.000	0.84	386.89	387.23	0.00
0.083474	3	3	3	388.03	1.13	0.28	0.00
0.09	0	2	0	0.00	388.05	388.10	5
11	0	11	0	3.2	7.64	10.81	14
0.00	0.00	4.72	0.00	0.000	0.1	386.05	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 35.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 386.89

Station (m) = 7.6 10.8
Flow (%) = 100.0
Area (sq m) = 2.5
Vel (m/s) = 4.72
Depth (m) = 0.78

STATUS: Analyzing cross-section reach 34.000.

STATUS: (3280) For cross-section 34.00, ends have been extended vertically 0.43 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 1.84

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 386.39
Right Overbank Elevation (m, RBEL) 386.00

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
34.000	0.000	0.040	0.000	0.55	384.94	385.54	0.00
0.283754	3	3	3	387.57	2.63	0.46	0.00
0.10	0	1	0	0.00	386.39	386.00	5
11	0	11	0	3.1	9.08	12.20	11
0.00	0.00	7.19	0.00	0.000	0.1	384.39	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 34.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 384.94

Station (m) = 9.1 12.2
Flow (%) = 100.0
Area (sq m) = 1.6
Vel (m/s) = 7.19
Depth (m) = 0.52

STATUS: Analyzing cross-section reach 33.000.

STATUS: (3280) For cross-section 33.00, ends have been extended vertically 0.38 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 386.07
Right Overbank Elevation (m, RBEL) 386.00

33.000 0.000 0.040 0.000 0.61 384.88 385.42 0.00
0.204184 2 2 2 386.99 2.10 0.58 0.00
0.10 0 1 0 0.00 386.07 386.00 6
11 0 11 0 3.1 6.64 9.79 17
0.00 0.00 6.43 0.00 0.000 0.1 384.27 0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 33.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 384.88

Station (m) = 6.6 9.8
Flow (%) = 100.0
Area (sq m) = 1.8
Vel (m/s) = 6.43
Depth (m) = 0.58

STATUS: Analyzing cross-section reach 32.000.

STATUS: (3280) For cross-section 32.00, ends have been extended vertically 0.28 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 385.32
Right Overbank Elevation (m, RBEL) 386.00

SECNO XNL XNCH XNR DEPTH CWSEL CRIS WSEL
SLOPE XLOBL XLCH XLOBR EG HV HL OLOSS
VOL ALOB ACH AROB CORAR LTBNK RTBNK ITRIAL
Q QLOB QCH QROB TOPWD SSTA ENDST IDC
TIME VLOB VCH VROB WTN TWA ELMIN ICONT

32.000 0.000 0.040 0.000 0.66 384.78 385.24 0.00
0.148600 2 2 2 386.48 1.70 0.50 0.00
0.10 0 2 0 0.00 385.32 386.00 7
11 0 11 0 3.2 3.73 6.96 17

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0.00 0.00 5.78 0.00 0.000 0.1 384.12 0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 32.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 384.78

Station (m) = 3.7 7.0
Flow (%) = 100.0
Area (sq m) = 2.0
Vel (m/s) = 5.78
Depth (m) = 0.63

STATUS: Analyzing cross-section reach 31.000.

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STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 384.41
Right Overbank Elevation (m, RBEL) 386.00

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XL0BL	XLCH	XL0BR	EG	HV	HL	OLOSS
VOL	AL0B	ACH	AR0B	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
31.000	0.000	0.040	0.000	0.55	383.26	383.86	0.00
0.270788	3	3	3	385.82	2.56	0.66	0.00
0.11	0	1	0	0.00	384.41	386.00	5
11	0	11	0	3.0	3.68	6.67	14
0.00	0.00	7.10	0.00	0.000	0.2	382.71	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 31.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 383.26

Station (m) = 3.7 6.7
Flow (%) = 100.0
Area (sq m) = 1.6
Vel (m/s) = 7.10
Depth (m) = 0.55

STATUS: Analyzing cross-section reach 30.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 383.75
Right Overbank Elevation (m, RBEL) 384.75

30.000	0.000	0.040	0.000	1.35	383.49	384.21	0.00
0.141106	3	3	3	385.19	1.70	0.64	0.00
0.12	0	2	0	0.00	383.75	384.75	5
11	0	11	0	1.5	3.54	5.05	29
0.00	0.00	5.78	0.00	0.000	0.2	382.14	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 30.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 383.49

Station (m) = 3.5 5.1
Flow (%) = 100.0
Area (sq m) = 2.0
Vel (m/s) = 5.78
Depth (m) = 1.35

STATUS: Analyzing cross-section reach 29.000.

STATUS: (3280) For cross-section 29.00, ends have been extended vertically 0.17 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 383.28
Right Overbank Elevation (m, RBEL) 384.21

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XL0BL	XLCH	XL0BR	EG	HV	HL	OLOSS
VOL	AL0B	ACH	AR0B	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
29.000	0.050	0.040	0.000	1.80	383.51	383.84	0.00
0.124456	3	3	3	384.77	1.26	0.42	0.00
0.12	0	1	0	0.00	383.28	384.20	6
11	1	9	0	5.0	0.00	5.02	14
0.00	2.43	5.29	0.00	0.000	0.2	381.71	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 29.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 383.51

Station (m) = 0.0 1.5 2.7 3.5 3.5 5.3
Flow (%) = 5.4 5.4 4.0 0.0 85.1
Area (sq m) = 0.3 0.3 0.2 0.0 1.9
Vel (m/s) = 2.30 2.45 2.59 2.59 5.29
Depth (m) = 0.19 0.20 0.22 0.24 1.28

STATUS: Analyzing cross-section reach 28.000.

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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 382.63
Right Overbank Elevation (m, RBEL) 383.72

SECTO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
28.000	0.000	0.040	0.000	1.73	382.59	383.15	0.00
0.134624	4	4	4	384.25	1.66	0.52	0.00
0.13	0	2	0	0.00	382.63	383.72	5
11	0	11	0	1.6	3.56	5.20	12
0.00	0.00	5.70	0.00	0.000	0.2	380.86	0

FLOW DISTRIBUTION :

Cross-Section Number (SECTO) 28.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 382.59

Station (m) = 3.6 5.5
Flow (%) = 100.0
Area (sq m) = 2.1
Vel (m/s) = 5.70
Depth (m) = 1.25

STATUS: Analyzing cross-section reach 27.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 0.66

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 380.63
Right Overbank Elevation (m, RBEL) 380.58

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SECTO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
27.000	0.000	0.020	0.000	1.56	380.37	381.14	0.00
0.058271	16	16	16	382.88	2.51	1.37	0.00
0.16	0	1	0	0.00	380.63	380.58	6
11	0	11	0	1.2	1.87	3.09	13
0.00	0.00	7.02	0.00	0.000	0.2	378.80	0

FLOW DISTRIBUTION :

Cross-Section Number (SECTO) 27.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 380.37

Station (m) = 1.9 3.1
Flow (%) = 100.0
Area (sq m) = 1.7
Vel (m/s) = 7.02
Depth (m) = 1.37

STATUS: Analyzing cross-section reach 26.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 379.16
Right Overbank Elevation (m, RBEL) 379.20

26.000	0.000	0.020	0.000	1.36	378.50	379.66	0.00
0.085327	13	13	13	381.96	3.46	0.92	0.00
0.18	0	1	0	0.00	379.16	379.20	6
11	0	11	0	1.2	1.95	3.17	15
0.00	0.00	8.24	0.00	0.000	0.2	377.14	0

FLOW DISTRIBUTION :

Cross-Section Number (SECTO) 26.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 378.50

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Station (m) = 2.0 3.2
Flow (%) = 100.0
Area (sq m) = 1.4
Vel (m/s) = 8.24
Depth (m) = 1.17

STATUS: Analyzing cross-section reach 25.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 377.51
Right Overbank Elevation (m, RBEL) 377.38

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Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLDBL	XLCH	XLDBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
25.000	0.000	0.020	0.000	1.27	376.73	377.96	0.00
0.101366	13	13	13	380.72	3.99	1.24	0.00
0.20	0	1	0	0.00	377.51	377.38	5
11	0	11	0	1.2	2.22	3.42	14
0.00	0.00	8.85	0.00	0.000	0.2	375.46	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 25.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 376.73
Station (m) = 2.2 3.4
Flow (%) = 100.0
Area (sq m) = 1.3
Vel (m/s) = 8.85
Depth (m) = 1.10
STATUS: Analyzing cross-section reach 24.000.
STATUS: (3495) Overbank area assumed noneffective.
Left Overbank Elevation (m, XLBEL) 375.33
Right Overbank Elevation (m, RBEL) 375.27

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLDBL	XLCH	XLDBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
24.000	0.000	0.020	0.000	1.23	374.80	375.87	0.00
0.111561	15	15	15	379.12	4.32	1.60	0.00
0.22	0	1	0	0.00	375.33	375.27	6
11	0	11	0	1.2	1.63	2.85	16
0.00	0.00	9.21	0.00	0.000	0.3	373.56	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 24.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 374.80
Station (m) = 1.6 2.8
Flow (%) = 100.0
Area (sq m) = 1.3
Vel (m/s) = 9.21
Depth (m) = 1.05
STATUS: Analyzing cross-section reach 23.000.
STATUS: (3495) Overbank area assumed noneffective.
Left Overbank Elevation (m, XLBEL) 372.86
Right Overbank Elevation (m, RBEL) 372.81
23.000 0.000 0.020 0.000 1.19 372.26 373.40 0.00
0.119416 19 19 19 376.83 4.57 2.29 0.00
0.25 0 1 0 0.00 372.86 372.81 5
11 0 11 0 1.2 2.39 3.61 14
0.01 0.00 9.47 0.00 0.000 0.3 371.07 0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 23.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 372.26
Station (m) = 2.4 3.6
Flow (%) = 100.0
Area (sq m) = 1.2
Vel (m/s) = 9.47
Depth (m) = 1.02

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STATUS: Analyzing cross-section reach 22.000.
STATUS: (3495) Overbank area assumed noneffective.
Left Overbank Elevation (m, XLBEL) 370.14
Right Overbank Elevation (m, RBEL) 370.15

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLDBL	XLCH	XLDBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
22.000	0.000	0.020	0.000	1.19	369.41	370.66	0.00
0.122930	22	22	22	374.08	4.68	2.75	0.00
0.27	0	1	0	0.00	370.14	370.15	4
11	0	11	0	1.2	0.99	2.19	15
0.01	0.00	9.58	0.00	0.000	0.3	368.21	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 22.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 369.41
Station (m) = 1.0 2.2
Flow (%) = 100.0
Area (sq m) = 1.2
Vel (m/s) = 9.58
Depth (m) = 1.01

STATUS: Analyzing cross-section reach 21.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	368.56					
	Right Overbank Elevation (m, RBEL)	368.57					
21.000	0.000	0.020	0.000	1.27	367.87	369.01	0.00
0.100419	20	20	20	371.82	3.96	2.26	0.00
0.30	0	1	0	0.00	368.56	368.57	6
11	0	11	0	1.2	5.96	7.16	23
0.01	0.00	8.82	0.00	0.000	0.3	366.59	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 21.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 367.87

Station (m) = 6.0 7.2
Flow (%) = 100.0
Area (sq m) = 1.3
Vel (m/s) = 8.82
Depth (m) = 1.10

STATUS: Analyzing cross-section reach 20.000.

STATUS: (3280) For cross-section 20.00, ends have been extended vertically 0.51 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	367.12					
	Right Overbank Elevation (m, RBEL)	367.51					
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LITBKN	RTBKN	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
20.000	0.000	0.020	0.000	1.36	366.84	367.13	0.00
0.084099	17	17	17	370.26	3.42	1.57	0.00
0.32	0	1	0	0.00	367.12	367.09	5
11	0	11	0	1.2	6.69	7.91	11
0.01	0.00	8.20	0.00	0.000	0.4	365.48	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 20.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 366.84

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Station (m) = 6.7 7.9
Flow (%) = 100.0
Area (sq m) = 1.4
Vel (m/s) = 8.20
Depth (m) = 1.17

STATUS: Analyzing cross-section reach 19.000.

STATUS: (3280) For cross-section 19.00, ends have been extended vertically 0.15 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

	Left Overbank Elevation (m, XLBEL)	365.57					
	Right Overbank Elevation (m, RBEL)	365.60					
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LITBKN	RTBKN	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
19.000	0.000	0.020	0.000	1.43	365.47	365.89	0.00
0.073449	22	22	22	368.52	3.05	1.74	0.00
0.36	0	1	0	0.00	365.57	365.60	6
11	0	11	0	1.2	7.36	8.58	11
0.01	0.00	7.75	0.00	0.000	0.4	364.04	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 19.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 365.47

Station (m) = 7.4 8.6
Flow (%) = 100.0
Area (sq m) = 1.5
Vel (m/s) = 7.75
Depth (m) = 1.24

STATUS: Analyzing cross-section reach 18.000.

STATUS: (3280) For cross-section 18.00, ends have been extended vertically 0.44 meters in order to calculate the hydraulic cross-section properties.

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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								364.69
Right Overbank Elevation (m, RBEL)								364.76
SECCNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	

18.000	0.000	0.020	0.000	1.45	364.45	365.01	0.00	
0.069888	15	15	15	367.38	2.93	1.14	0.00	
0.38	0	1	0	0.00	364.69	364.76	5	
11	0	11	0	1.2	5.28	6.50	11	
0.01	0.00	7.58	0.00	0.000	0.4	363.00	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECCNO) 18.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 364.45

Station (m) = 5.3 6.5
Flow (%) = 100.0
Area (sq m) = 1.5
Vel (m/s) = 7.58
Depth (m) = 1.27

STATUS: Analyzing cross-section reach 17.000.

STATUS: (3280) For cross-section 17.00, ends have been extended vertically 0.28 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								363.72
Right Overbank Elevation (m, RBEL)								363.67
17.000	0.000	0.020	0.000	1.47	363.46	364.12	0.00	
0.067571	15	15	15	366.31	2.85	1.07	0.00	
0.41	0	1	0	0.00	363.72	363.67	6	
11	0	11	0	1.2	9.62	10.84	14	
0.01	0.00	7.48	0.00	0.000	0.4	361.99	0	

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FLOW DISTRIBUTION :

Cross-Section Number (SECCNO) 17.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 363.46

Station (m) = 9.6 10.8
Flow (%) = 100.0
Area (sq m) = 1.6
Vel (m/s) = 7.48
Depth (m) = 1.29

STATUS: Analyzing cross-section reach 16.000.

STATUS: (3280) For cross-section 16.00, ends have been extended vertically 0.14 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)								362.93
Right Overbank Elevation (m, RBEL)								363.04
SECCNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK	
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS	
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL	
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC	
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT	

16.000	0.000	0.020	0.000	1.44	362.93	363.39	0.00	
0.067097	11	11	11	365.75	2.83	0.78	0.01	
0.42	0	1	0	0.00	362.93	363.04	20	
11	0	11	0	1.2	7.42	8.64	12	
0.01	0.00	7.45	0.00	0.000	0.4	361.49	0	

FLOW DISTRIBUTION :

Cross-Section Number (SECCNO) 16.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 362.93

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Station (m) = 7.4 8.6
Flow (%) = 100.0
Area (sq m) = 1.6
Vel (m/s) = 7.45
Depth (m) = 1.29

STATUS: Analyzing cross-section reach 15.000.

STATUS: (3280) For cross-section 15.00, ends have been extended vertically 0.15 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

SECCNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC

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TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
15.000	0.050	0.020	0.050	1.52	362.31	362.77	0.00
0.049101	21	21	21	364.54	2.23	1.21	0.00
0.47	0	1	0	0.00	362.08	362.24	5
11	0	11	0	9.2	0.00	9.16	13
0.01	0.83	6.82	0.70	0.000	0.5	360.79	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 15.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 362.31

Station (m) = 0.0 1.5 2.0 2.5 2.8 3.2
Flow (%) = 2.4 0.0 1.8 0.0 0.0 0.0
Area (sq m) = 0.2 0.1 0.1 0.1 0.1 0.1
Vel (m/s) = 1.19 0.04 1.52 0.04 0.04 0.04
Depth (m) = 0.15 0.16 0.25 0.25 0.24 0.24

Station (m) = 3.2 4.4 6.2 9.2
Flow (%) = 94.1 1.1 0.5
Area (sq m) = 1.6 0.2 0.1
Vel (m/s) = 6.82 0.84 0.53
Depth (m) = 1.32 0.08 0.04

STATUS: Analyzing cross-section reach 14.000.

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STATUS: (3280) For cross-section 14.00, ends have been extended vertically 0.04 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XL0BL	XLCH	XL0BR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

14.000	0.050	0.020	0.050	1.59	361.94	362.44	0.00
0.041502	14	14	14	363.89	1.95	0.65	0.00
0.50	0	1	0	0.00	361.70	361.82	5
11	0	10	0	7.8	1.32	9.16	11
0.01	1.27	6.39	0.87	0.000	0.7	360.36	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 14.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 361.94

Station (m) = 1.3 1.5 2.2 3.4 4.9 7.9
Flow (%) = 0.0 2.2 93.5 1.8 2.4
Area (sq m) = 0.0 0.2 1.7 0.2 0.3
Vel (m/s) = 0.04 1.61 6.39 1.05 0.90
Depth (m) = 0.20 0.25 1.40 0.13 0.10

Station (m) = 7.9 9.2
Flow (%) = 0.0
Area (sq m) = 0.1
Vel (m/s) = 0.04
Depth (m) = 0.04

STATUS: Analyzing cross-section reach 13.000.

STATUS: (3280) For cross-section 13.00, ends have been extended vertically 0.17 meters in order to calculate the hydraulic cross-section properties.

13.000	0.050	0.020	0.050	1.50	361.52	361.93	0.00
0.043979	11	11	11	363.42	1.91	0.47	0.00
0.53	0	1	0	0.00	361.33	361.35	6
11	0	10	1	9.0	0.00	8.98	11
0.01	0.79	6.49	1.19	0.000	0.8	360.02	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 13.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 361.52

Station (m) = 0.0 0.8 1.2 1.5 2.2 2.3
Flow (%) = 1.2 0.0 0.0 1.3 0.0
Area (sq m) = 0.1 0.1 0.1 0.1 0.0
Vel (m/s) = 1.13 0.04 0.04 1.35 0.04
Depth (m) = 0.17 0.17 0.17 0.18 0.18

Station (m) = 2.3 3.5 7.2 9.0
Flow (%) = 88.5 6.3 2.5
Area (sq m) = 1.6 0.6 0.3
Vel (m/s) = 6.49 1.22 1.11
Depth (m) = 1.31 0.16 0.15

STATUS: Analyzing cross-section reach 12.000.

STATUS: (3280) For cross-section 12.00, ends have been extended vertically 0.34 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XL0BL	XLCH	XL0BR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

12.000	0.050	0.020	0.050	1.57	361.47	361.91	0.00
0.047860	4	4	4	363.22	1.75	0.21	0.00
0.54	0	1	0	0.00	361.26	361.29	7
11	0	10	1	6.8	0.00	6.85	11
0.01	0.86	6.27	1.49	0.000	0.8	359.90	0

FLOW DISTRIBUTION :

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Cross-Section Number (SECNO) 12.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 361.47

Station (m) =	0.0	1.8	1.8	2.9	4.0	5.4
Flow (%)	=	1.4	0.0	86.7	2.1	4.0
Area (sq m)	=	0.2	0.0	1.6	0.2	0.3
Vel (m/s)	=	0.93	0.04	6.27	1.33	1.55
Depth (m)	=	0.10	0.20	1.52	0.17	0.21

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Station (m) =	5.4	6.5	6.8
Flow (%)	=	5.7	0.0
Area (sq m)	=	0.3	0.1
Vel (m/s)	=	1.97	0.04
Depth (m)	=	0.30	0.34

STATUS: Analyzing cross-section reach 11.000.

STATUS: (3280) For cross-section 11.00, ends have been extended vertically 0.62 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 0.69

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

11.000	0.050	0.020	0.050	1.83	361.11	361.58	0.00
0.022831	15	15	15	362.73	1.63	0.48	0.00
0.58	0	2	0	0.00	360.49	360.49	6
11	0	11	0	1.8	0.28	2.09	15
0.01	0.03	5.71	0.88	0.000	0.9	359.28	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 11.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 361.11

Station (m) =	0.3	0.4	1.6	1.7	2.1
Flow (%)	=	0.0	97.9	0.0	2.1
Area (sq m)	=	0.1	2.0	0.1	0.2
Vel (m/s)	=	0.03	5.71	0.03	1.12
Depth (m)	=	0.62	1.64	0.62	0.61

STATUS: Analyzing cross-section reach 10.000.

STATUS: (3280) For cross-section 10.00, ends have been extended vertically 0.59 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

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WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.76
Right Overbank Elevation (m, RBEL) 360.17

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

10.000	0.050	0.020	0.000	1.03	359.76	360.22	0.00
0.061334	14	14	14	361.44	1.68	0.53	0.13
0.62	1	1	0	0.00	359.72	360.17	20
11	3	8	0	3.5	0.24	3.70	15
0.01	2.72	6.51	0.00	0.000	0.9	358.73	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 10.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 359.76

Station (m) =	0.2	2.0	2.2	2.2	3.9
Flow (%)	=	25.5	1.3	0.0	73.1
Area (sq m)	=	1.0	0.1	0.0	1.3
Vel (m/s)	=	2.87	1.40	0.05	6.51
Depth (m)	=	0.59	0.58	0.31	0.89

STATUS: Analyzing cross-section reach 9.000.

STATUS: (3280) For cross-section 9.00, ends have been extended vertically 0.74 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)									359.70
Right Overbank Elevation (m, RBEL)									360.08
SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK		
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS		
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL		
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC		
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT		
9.000	0.050	0.020	0.000	1.03	359.71	359.99	0.00		
0.041948	4	4	4	360.72	1.01	0.22	0.19		
0.63	1	1	0	0.00	359.70	360.08	20		
11	4	6	0	3.9	0.00	3.90	14		
0.01	2.76	5.30	0.00	0.000	0.9	358.68	0		

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 9.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 359.71

Station (m) = 0.0 2.2 2.3 4.0
Flow (%) = 40.5 0.0 59.5
Area (sq m) = 1.7 0.0 1.3
Vel (m/s) = 2.81 0.04 5.30
Depth (m) = 0.76 0.41 0.82

STATUS: Analyzing cross-section reach 8.000.

STATUS: (3280) For cross-section 8.00, ends have been extended vertically 0.83 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)									359.67
Right Overbank Elevation (m, RBEL)									359.80

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SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK		
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS		
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL		
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC		
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT		
8.000	0.050	0.020	0.000	1.08	359.69	359.84	0.00		
0.022479	3	3	3	360.24	0.55	0.12	-0.02		
0.64	2	1	0	0.00	359.67	359.75	20		
11	5	5	0	4.9	0.00	4.88	16		
0.01	2.28	4.08	0.00	0.000	0.9	358.61	0		

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 8.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 359.69

Station (m) = 0.0 1.0 2.9 3.1 3.3 4.9
Flow (%) = 12.9 34.1 3.3 0.0 49.8
Area (sq m) = 0.8 1.5 0.2 0.0 1.4
Vel (m/s) = 1.78 2.61 2.05 0.03 4.08
Depth (m) = 0.82 0.81 0.81 0.06 0.93

STATUS: Analyzing cross-section reach 7.000.

STATUS: (3280) For cross-section 7.00, ends have been extended vertically 0.82 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL)									359.66
Right Overbank Elevation (m, RBEL)									359.77
7.000	0.050	0.020	0.000	1.07	359.66	359.81	0.00		
0.018823	1	1	1	360.22	0.56	0.02	0.00		
0.65	2	1	0	0.00	359.66	359.77	2		
11	4	6	0	5.1	0.00	5.07	10		
0.01	1.91	4.01	0.00	0.000	0.9	358.59	0		

FLOW DISTRIBUTION :

Cross-Section Number (SECCO) 7.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 359.66

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Station (m) = 0.0 0.4 3.1 3.2 5.1
Flow (%) = 2.8 38.0 0.0 59.2
Area (sq m) = 0.3 2.2 0.0 1.7
Vel (m/s) = 1.10 2.03 0.03 4.01
Depth (m) = 0.82 0.82 0.07 0.95

STATUS: Analyzing cross-section reach 6.000.

STATUS: (3280) For cross-section 6.00, ends have been extended vertically 0.80 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

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		Left Overbank Elevation (m, XLBEL)							359.55
		Right Overbank Elevation (m, RBEL)							359.68
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK		
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS		
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL		
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC		
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT		
6.000	0.050	0.020	0.000	1.06	359.56	359.72	0.00		
0.018285	4	4	4	360.08	0.53	0.00	0.00		
0.67	2	1	0	0.00	359.55	359.68	20		
11	5	6	0	5.2	0.00	5.21	10		
0.01	1.93	3.91	0.00	0.000	1.0	358.50	0		

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 6.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 359.56

Station (m) = 0.0 2.1 3.2 3.4 5.2
Flow (%) = 27.0 15.9 0.0 57.1
Area (sq m) = 1.7 0.9 0.0 1.7
Vel (m/s) = 1.89 2.01 0.03 3.91
Depth (m) = 0.81 0.82 0.05 0.93

STATUS: Analyzing cross-section reach 5.000.

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STATUS: (3265) Divided flow.

STATUS: (3280) For cross-section 5.00, ends have been extended vertically 0.76 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)							359.44
		Right Overbank Elevation (m, RBEL)							359.57
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK		
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS		
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL		
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC		
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT		
5.000	0.050	0.020	0.000	1.03	359.44	359.45	0.00		
0.016723	5	5	5	359.90	0.46	0.09	0.09		
0.69	2	1	0	0.00	359.44	359.57	20		
11	5	6	0	5.5	0.00	5.66	8		
0.02	1.91	3.72	0.00	0.000	1.0	358.41	0		

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 5.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 359.44

Station (m) = 0.0 2.0 3.6 3.8 5.8
Flow (%) = 23.6 23.0 0.0 53.3
Area (sq m) = 1.6 1.3 0.0 1.7
Vel (m/s) = 1.77 2.10 0.03 3.72
Depth (m) = 0.78 0.79 0.04 0.91

STATUS: Analyzing cross-section reach 4.000.

STATUS: (3280) For cross-section 4.00, ends have been extended vertically 0.83 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

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WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)							359.32
		Right Overbank Elevation (m, RBEL)							359.44
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK		
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS		
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL		
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC		
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT		
4.000	0.050	0.020	0.000	1.13	359.43	359.45	0.00		
0.014967	5	5	5	359.91	0.48	0.09	0.02		
0.72	2	1	0	0.00	359.32	359.44	20		
11	4	6	0	5.4	0.23	5.67	11		
0.02	1.77	3.72	0.00	0.000	1.0	358.30	0		

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 4.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 359.43

Station (m) = 0.2 3.5 3.6 3.8 5.7
Flow (%) = 41.4 0.7 0.0 57.9
Area (sq m) = 2.6 0.1 0.0 1.8
Vel (m/s) = 1.84 0.66 0.02 3.72
Depth (m) = 0.82 0.80 0.14 0.96

STATUS: Analyzing cross-section reach 3.000.

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STATUS: (3280) For cross-section 3.00, ends have been extended vertically 0.70 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
3.000	0.050	0.020	0.050	1.02	359.26	359.29	0.00
0.017352	3	3	3	359.63	0.38	0.06	0.07
0.74	2	1	1	0.00	359.25	359.25	20
11	3	5	2	8.0	0.34	8.32	12
0.02	1.78	3.66	1.56	0.000	1.0	358.24	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 3.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 359.26

Station (m) = 0.3 1.4 2.7 3.3 3.5 4.9
Flow (%) = 8.8 16.5 6.3 0.0 43.1
Area (sq m) = 0.7 0.9 0.4 0.0 1.4
Vel (m/s) = 1.46 2.09 1.70 0.03 3.66
Depth (m) = 0.70 0.71 0.65 0.03 0.99

Station (m) = 4.9 5.9 8.3
Flow (%) = 5.9 19.5
Area (sq m) = 0.5 1.4
Vel (m/s) = 1.43 1.60
Depth (m) = 0.47 0.60

STATUS: Analyzing cross-section reach 2.000.

STATUS: (3280) For cross-section 2.00, ends have been extended vertically 0.74 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3693) It is probable that critical depth has been crossed.

WARNING: (3720) Critical depth has been assumed.

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
2.000	0.050	0.020	0.050	1.38	359.28	359.28	0.00
0.006084	1	1	1	359.67	0.38	0.01	0.00
0.74	1	2	2	0.00	358.86	358.58	20
11	1	7	2	7.8	0.13	7.92	11
0.02	1.04	3.29	1.04	0.000	1.1	357.90	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 2.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 359.28

Station (m) = 0.1 0.5 1.0 2.1 3.0 4.8
Flow (%) = 1.5 3.9 6.6 3.6 65.5
Area (sq m) = 0.3 0.4 0.7 0.4 2.3
Vel (m/s) = 0.62 1.28 1.14 0.95 3.29
Depth (m) = 0.74 0.74 0.64 0.48 1.25

Station (m) = 4.8 4.8 7.9
Flow (%) = 0.0 18.8
Area (sq m) = 0.0 2.1
Vel (m/s) = 0.95 1.04
Depth (m) = 0.69 0.69

STATUS: Analyzing cross-section reach 1.000.

STATUS: (3280) For cross-section 1.00, ends have been extended vertically 0.41 meters in order to calculate the hydraulic cross-section properties.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 3.26

1.000	0.050	0.040	0.050	1.15	358.86	359.06	0.00
0.064807	6	6	6	359.57	0.71	0.10	0.00
0.78	0	1	1	0.00	358.85	358.30	6
11	0	6	3	7.8	0.19	7.95	5
0.02	1.51	4.27	2.95	0.000	1.1	357.70	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 1.000
Total Discharge (cms, Q) 11
Computed Water Surface Elevation (m MSL, CWSEL) 358.86

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

Station (m) = 0.2 2.9 5.1 7.5 7.9
Flow (%) = 6.6 59.6 30.5 3.3
Area (sq m) = 0.5 1.6 1.1 0.2
Vel (m/s) = 1.51 4.27 3.14 1.88
Depth (m) = 0.18 0.75 0.49 0.41

T1 Analisi idraulica Rio Calcinera
T2 Stato di progetto
T3 201380p.dwg

JOB PARAMETERS :

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
		5		1		1		12	392.3	
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15		-1				0	-6		15

STATUS: Analyzing profile 4.

STATUS: Analyzing cross-section reach 48.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 393.65
Right Overbank Elevation (m, RBEL) 393.65

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XL0BL	XLCH	XL0BR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
48.000	0.000	0.040	0.000	0.94	392.30	392.91	392.30
0.163757	0	0	0	394.41	2.11	0.00	0.00
0.00	0	1	0	0.00	393.65	393.65	0
12	0	11	0	2.2	6.83	9.07	13
0.00	0.00	6.44	0.00	0.000	0.0	391.36	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 48.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 392.30

Station (m) = 6.8 9.4
Flow (%) = 100.0
Area (sq m) = 1.9
Vel (m/s) = 6.44
Depth (m) = 0.83

STATUS: Analyzing cross-section reach 47.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 393.25
Right Overbank Elevation (m, RBEL) 393.25

47.000	0.000	0.040	0.000	0.96	391.90	392.50	0.00
0.160182	2	2	2	393.97	2.08	0.44	0.00
0.01	0	1	0	0.00	393.25	393.25	7
12	0	11	0	2.2	6.23	8.47	14
0.00	0.00	6.39	0.00	0.000	0.0	390.94	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 47.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 391.90

Station (m) = 6.2 8.9
Flow (%) = 100.0
Area (sq m) = 1.9
Vel (m/s) = 6.39
Depth (m) = 0.84

STATUS: Analyzing cross-section reach 46.000.

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STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 392.70
Right Overbank Elevation (m, RBEL) 392.70

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XL0BL	XLCH	XL0BR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
46.000	0.000	0.040	0.000	0.96	391.34	391.94	0.00
0.156740	3	3	3	393.39	2.04	0.59	0.00
0.01	0	1	0	0.00	392.70	392.70	7
12	0	11	0	2.2	6.58	8.82	14
0.00	0.00	6.34	0.00	0.000	0.0	390.38	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 46.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 391.34

Station (m) = 6.6 9.2
Flow (%) = 100.0
Area (sq m) = 1.9
Vel (m/s) = 6.34
Depth (m) = 0.85

STATUS: Analyzing cross-section reach 45.000.

STATUS: (3235) The computed slope of the energy grade line exceeded 0.40, and critical depth has probably been crossed.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 1.68

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 391.20
Right Overbank Elevation (m, RBEL) 391.20

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
45.000	0.000	0.040	0.000	0.47	388.77	389.48	0.00
0.443186	4	4	4	392.40	3.63	0.99	0.00
0.02	0	1	0	0.00	391.20	391.20	7
12	0	11	0	3.0	5.27	8.25	11
0.00	0.00	8.44	0.00	0.000	0.0	388.30	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 45.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 388.77
Station (m) = 5.3 8.3
Flow (%) = 99.9
Area (sq m) = 1.4
Vel (m/s) = 8.44
Depth (m) = 0.48

STATUS: Analyzing cross-section reach 44.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 391.09
Right Overbank Elevation (m, RBEL) 391.09
44.000 0.000 0.040 0.000 0.56 388.75 389.37 0.00
0.268265 3 3 3 391.35 2.59 1.05 0.00
0.02 0 1 0 0.00 391.09 391.09 5
12 0 11 0 3.0 4.50 7.48 17
0.00 0.00 7.14 0.00 0.000 0.0 388.19 0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 44.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 388.75

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Station (m) = 4.5 7.5
Flow (%) = 100.0
Area (sq m) = 1.7
Vel (m/s) = 7.14
Depth (m) = 0.56

STATUS: Analyzing cross-section reach 43.000.

STATUS: (3280) For cross-section 43.00, ends have been extended vertically 0.25 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 390.97
Right Overbank Elevation (m, RBEL) 390.90

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
43.000	0.000	0.040	0.000	0.65	388.72	389.25	0.00
0.162364	3	3	3	390.67	1.95	0.68	0.00
0.03	0	1	0	0.00	390.97	388.47	6
12	0	11	0	3.0	4.27	7.26	17
0.00	0.00	6.19	0.00	0.000	0.0	388.07	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 43.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 388.72

Station (m) = 4.3 7.3
Flow (%) = 100.0
Area (sq m) = 1.9
Vel (m/s) = 6.19
Depth (m) = 0.65

STATUS: Analyzing cross-section reach 42.000.

STATUS: (3280) For cross-section 42.00, ends have been extended vertically 0.33 meters in order to calculate the hydraulic

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cross-section properties.

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STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)	390.80				
		Right Overbank Elevation (m, RBEL)	390.85				
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
42.000	0.000	0.040	0.000	0.74	388.69	389.13	0.00
0.113889	3	3	3	390.24	1.55	0.43	0.00
0.04	0	2	0	0.00	390.85	388.35	6
12	0	11	0	3.0	4.02	7.01	14
0.00	0.00	5.52	0.00	0.000	0.1	387.95	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 42.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 388.69
Station (m) = 4.0 7.0
Flow (%) = 100.0
Area (sq m) = 2.2
Vel (m/s) = 5.52
Depth (m) = 0.73

STATUS: Analyzing cross-section reach 41.000.

STATUS: (3280) For cross-section 41.00, ends have been extended vertically 0.40 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)	390.74				
		Right Overbank Elevation (m, RBEL)	390.00				
41.000	0.000	0.040	0.000	0.80	388.64	389.02	0.00
0.086158	3	3	3	389.93	1.29	0.31	0.00
0.04	0	2	0	0.00	390.74	388.24	6
12	0	11	0	3.0	3.43	6.42	14
0.00	0.00	5.04	0.00	0.000	0.1	387.84	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 41.000
Total Discharge (cms, Q) 12
Computed Water Surface Elevation (m MSL, CWSEL) 388.64
Station (m) = 3.4 6.4
Flow (%) = 100.0
Area (sq m) = 2.4
Vel (m/s) = 5.04
Depth (m) = 0.79

STATUS: Analyzing cross-section reach 40.000.

STATUS: (3280) For cross-section 40.00, ends have been extended vertically 0.27 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)	390.64				
		Right Overbank Elevation (m, RBEL)	390.00				
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
40.000	0.000	0.040	0.000	0.67	388.41	388.77	0.00
0.102352	2	2	2	389.67	1.26	0.26	0.00
0.05	0	1	0	0.00	390.64	388.14	6
9	0	9	0	3.0	3.16	6.15	11
0.00	0.00	4.98	0.00	0.000	0.1	387.74	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 40.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 388.41
Station (m) = 3.2 6.2
Flow (%) = 100.0
Area (sq m) = 2.0
Vel (m/s) = 4.98
Depth (m) = 0.66

STATUS: Analyzing cross-section reach 39.000.

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STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 1.54

STATUS: (3495) Overbank area assumed noneffective.

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		Left Overbank Elevation (m, XLBEL)				388.61	
		Right Overbank Elevation (m, RBEL)				388.10	
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
39.000	0.000	0.040	0.000	0.51	387.12	387.63	0.00
0.242325	2	2	2	389.25	2.13	0.42	0.00
0.05	0	1	0	0.00	388.61	388.10	2
9	0	9	0	3.1	3.26	6.36	11
0.00	0.00	6.47	0.00	0.000	0.1	386.61	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 39.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 387.12

Station (m) = 3.3 6.4
Flow (%) = 100.0
Area (sq m) = 1.5
Vel (m/s) = 6.47
Depth (m) = 0.49

STATUS: Analyzing cross-section reach 38.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 388.45
Right Overbank Elevation (m, RBEL) 388.10

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
38.000	0.000	0.040	0.000	0.58	387.03	387.47	0.00
0.160583	3	3	3	388.65	1.61	0.61	0.00
0.06	0	1	0	0.00	388.45	388.10	6
9	0	9	0	3.1	4.71	7.84	14
0.00	0.00	5.63	0.00	0.000	0.1	386.45	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 38.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 387.03

Station (m) = 4.7 7.8
Flow (%) = 100.0
Area (sq m) = 1.8
Vel (m/s) = 5.63
Depth (m) = 0.56

STATUS: Analyzing cross-section reach 37.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 388.33
Right Overbank Elevation (m, RBEL) 388.10

37.000	0.000	0.040	0.000	0.66	386.99	387.37	0.00
0.117240	2	2	2	388.29	1.30	0.35	0.00
0.06	0	1	0	0.00	388.33	388.10	6
9	0	9	0	3.1	5.37	8.50	14
0.00	0.00	5.06	0.00	0.000	0.1	386.33	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 37.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 386.99

Station (m) = 5.4 8.5
Flow (%) = 100.0
Area (sq m) = 2.0
Vel (m/s) = 5.06
Depth (m) = 0.62

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STATUS: Analyzing cross-section reach 36.000.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 388.20
Right Overbank Elevation (m, RBEL) 388.10

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
36.000	0.000	0.040	0.000	0.72	386.92	387.25	0.00
0.094264	2	2	2	388.03	1.12	0.26	0.00
0.07	0	2	0	0.00	388.20	388.10	6
9	0	9	0	3.1	8.53	11.67	14
0.00	0.00	4.68	0.00	0.000	0.1	386.20	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 36.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 386.92

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STATUS: (3280) For cross-section 32.00, ends have been extended vertically 0.22 meters in order to calculate the hydraulic cross-section properties.

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STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)		385.32			
		Right Overbank Elevation (m, RBEL)		386.00			
SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

32.000	0.000	0.040	0.000	0.61	384.73	385.14	0.00
0.144913	2	2	2	386.23	1.50	0.50	0.00
0.09	0	1	0	0.00	385.32	386.00	6
9	0	9	0	3.2	3.75	6.96	14
0.00	0.00	5.43	0.00	0.000	0.1	384.12	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO)	32.000
Total Discharge (cms, Q)	9
Computed Water Surface Elevation (m MSL, CWSEL)	384.73
Station (m) = 3.8 7.0	
Flow (%)	= 100.0
Area (sq m)	= 1.8
Vel (m/s)	= 5.43
Depth (m)	= 0.57

STATUS: Analyzing cross-section reach 31.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)		384.41			
		Right Overbank Elevation (m, RBEL)		386.00			
31.000	0.000	0.040	0.000	0.49	383.20	383.74	0.00
0.283788	3	3	3	385.57	2.37	0.66	0.00
0.10	0	1	0	0.00	384.41	386.00	5
9	0	9	0	3.0	3.68	6.67	14
0.00	0.00	6.82	0.00	0.000	0.2	382.71	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECCO)	31.000
Total Discharge (cms, Q)	9
Computed Water Surface Elevation (m MSL, CWSEL)	383.20
Station (m) = 3.7 6.7	
Flow (%)	= 99.9
Area (sq m)	= 1.5
Vel (m/s)	= 6.82
Depth (m)	= 0.48

STATUS: Analyzing cross-section reach 30.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

		Left Overbank Elevation (m, XLBEL)		383.75			
		Right Overbank Elevation (m, RBEL)		384.75			
SECCO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

30.000	0.000	0.040	0.000	1.19	383.33	384.09	0.00
0.140980	3	3	3	384.92	1.59	0.65	0.00
0.10	0	1	0	0.00	383.75	384.75	4
9	0	9	0	1.5	3.54	5.04	24
0.00	0.00	5.59	0.00	0.000	0.2	382.14	0

FLOW DISTRIBUTION :

Cross-Section Number (SECCO)	30.000
Total Discharge (cms, Q)	9
Computed Water Surface Elevation (m MSL, CWSEL)	383.33
Station (m) = 3.5 5.1	
Flow (%)	= 100.0
Area (sq m)	= 1.8
Vel (m/s)	= 5.59
Depth (m)	= 1.18

STATUS: Analyzing cross-section reach 29.000.

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STATUS: (3280) For cross-section 29.00, ends have been extended vertically 0.14 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

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		Left Overbank Elevation (m, XLBEL)				383.28	
		Right Overbank Elevation (m, RBEL)				384.21	
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
29.000	0.050	0.040	0.000	1.77	383.48	383.75	0.00
0.105006	3	3	3	384.53	1.06	0.38	0.00
0.11	0	1	0	0.00	383.28	384.20	6
9	1	8	0	5.0	0.00	5.01	18
0.00	1.95	4.79	0.00	0.000	0.2	381.71	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 29.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 383.48

Station (m) = 0.0 1.5 2.7 3.5 3.5 5.3
Flow (%) = 4.1 4.2 3.2 0.0 88.5
Area (sq m) = 0.2 0.2 0.1 0.0 1.8
Vel (m/s) = 1.63 1.96 2.11 2.11 4.79
Depth (m) = 0.15 0.17 0.19 0.20 1.25

STATUS: Analyzing cross-section reach 28.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 382.63
Right Overbank Elevation (m, RBEL) 383.72

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
28.000	0.000	0.040	0.000	1.55	382.41	383.09	0.00
0.144235	4	4	4	384.04	1.63	0.49	0.00
0.12	0	1	0	0.00	382.63	383.72	6
9	0	9	0	1.6	3.58	5.16	13
0.00	0.00	5.66	0.00	0.000	0.2	380.86	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 28.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 382.41

Station (m) = 3.6 5.5
Flow (%) = 100.0
Area (sq m) = 1.7
Vel (m/s) = 5.66
Depth (m) = 1.11

STATUS: Analyzing cross-section reach 27.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 0.65

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 380.63
Right Overbank Elevation (m, RBEL) 380.58

27.000	0.000	0.020	0.000	1.36	380.17	381.08	0.00
0.060066	16	16	16	382.61	2.44	1.43	0.00
0.14	0	1	0	0.00	380.63	380.58	7
9	0	9	0	1.2	1.87	3.09	16
0.00	0.00	6.93	0.00	0.000	0.2	378.80	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 27.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 380.17

Station (m) = 1.9 3.1
Flow (%) = 100.0
Area (sq m) = 1.4
Vel (m/s) = 6.93
Depth (m) = 1.18

STATUS: Analyzing cross-section reach 26.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 379.16
Right Overbank Elevation (m, RBEL) 379.20

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRISW	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
26.000	0.000	0.020	0.000	1.20	378.34	379.56	0.00
0.087244	13	13	13	381.66	3.32	0.95	0.00
0.16	0	1	0	0.00	379.16	379.20	4

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9	0	9	0	1.2	1.96	3.16	18
0.00	0.00	8.08	0.00	0.000	0.2	377.14	0
FLOW DISTRIBUTION :							

Cross-Section Number (SECNO)							26.000
Total Discharge (cms, Q)							9
Computed Water Surface Elevation (m MSL, CWSEL)							378.34
Station (m) = 2.0 3.2							
Flow (%) = 100.0							
Area (sq m) = 1.2							
Vel (m/s) = 8.08							
Depth (m) = 1.01							
STATUS: Analyzing cross-section reach 25.000.							
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STATUS: (3495) Overbank area assumed noneffective.							
Left Overbank Elevation (m, XLBEL)							377.51
Right Overbank Elevation (m, RBEL)							377.38
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

25.000	0.000	0.020	0.000	1.14	376.60	377.84	0.00
0.102987	13	13	13	380.40	3.80	1.26	0.00
0.18	0	1	0	0.00	377.51	377.38	5
9	0	9	0	1.2	2.22	3.42	18
0.00	0.00	8.65	0.00	0.000	0.2	375.46	0
FLOW DISTRIBUTION :							

Cross-Section Number (SECNO)							25.000
Total Discharge (cms, Q)							9
Computed Water Surface Elevation (m MSL, CWSEL)							376.60
Station (m) = 2.2 3.4							
Flow (%) = 100.0							
Area (sq m) = 1.1							
Vel (m/s) = 8.65							
Depth (m) = 0.95							
STATUS: Analyzing cross-section reach 24.000.							
STATUS: (3495) Overbank area assumed noneffective.							
Left Overbank Elevation (m, XLBEL)							375.33
Right Overbank Elevation (m, RBEL)							375.27
24.000	0.000	0.020	0.000	1.09	374.65	375.79	0.00
0.113399	15	15	15	378.77	4.12	1.63	0.00
0.19	0	1	0	0.00	375.33	375.27	4
9	0	9	0	1.2	1.64	2.84	17
0.01	0.00	8.99	0.00	0.000	0.3	373.56	0
FLOW DISTRIBUTION :							

Cross-Section Number (SECNO)							24.000
Total Discharge (cms, Q)							9
Computed Water Surface Elevation (m MSL, CWSEL)							374.65
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Station (m) = 1.6 2.8							
Flow (%) = 100.0							
Area (sq m) = 1.1							
Vel (m/s) = 8.99							
Depth (m) = 0.91							
STATUS: Analyzing cross-section reach 23.000.							
STATUS: (3495) Overbank area assumed noneffective.							
Left Overbank Elevation (m, XLBEL)							372.86
Right Overbank Elevation (m, RBEL)							372.81
SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT

23.000	0.000	0.020	0.000	1.07	372.14	373.32	0.00
0.120218	19	19	19	376.46	4.32	2.31	0.00
0.21	0	1	0	0.00	372.86	372.81	5
9	0	9	0	1.2	2.40	3.60	19
0.01	0.00	9.21	0.00	0.000	0.3	371.07	0
FLOW DISTRIBUTION :							

Cross-Section Number (SECNO)							23.000
Total Discharge (cms, Q)							9
Computed Water Surface Elevation (m MSL, CWSEL)							372.14
Station (m) = 2.4 3.6							
Flow (%) = 100.0							
Area (sq m) = 1.1							
Vel (m/s) = 9.21							
Depth (m) = 0.89							
STATUS: Analyzing cross-section reach 22.000.							
STATUS: (3495) Overbank area assumed noneffective.							
Left Overbank Elevation (m, XLBEL)							370.14
Right Overbank Elevation (m, RBEL)							370.15
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COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

PROJECT TITLE : Stato di progetto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
22.000	0.000	0.020	0.000	1.05	369.26	370.56	0.00
0.124977	22	22	22	373.69	4.43	2.77	0.00
0.24	0	1	0	0.00	370.14	370.15	6
9	0	9	0	1.2	0.99	2.19	18
0.01	0.00	9.32	0.00	0.000	0.3	368.21	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 22.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 369.26

Station (m) = 1.0 2.2
Flow (%) = 100.0
Area (sq m) = 1.1
Vel (m/s) = 9.32
Depth (m) = 0.88

STATUS: Analyzing cross-section reach 21.000.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

21.000	0.000	0.020	0.000	1.14	367.73	368.92	0.00
0.099596	20	20	20	371.43	3.70	2.26	0.00
0.26	0	1	0	0.00	368.56	368.57	4
9	0	9	0	1.2	5.96	7.16	21
0.01	0.00	8.53	0.00	0.000	0.3	366.59	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 21.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 367.73

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PROJECT TITLE : Stato di progetto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

Station (m) = 6.0 7.2
Flow (%) = 100.0
Area (sq m) = 1.2
Vel (m/s) = 8.53
Depth (m) = 0.96

STATUS: Analyzing cross-section reach 20.000.

STATUS: (3280) For cross-section 20.00, ends have been extended vertically 0.36 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

STATUS: (3495) Overbank area assumed noneffective.

20.000	0.000	0.020	0.000	1.21	366.69	367.14	0.00
0.082878	17	17	17	369.88	3.19	1.55	0.00
0.28	0	1	0	0.00	367.12	367.09	7
9	0	9	0	1.2	6.69	7.91	24
0.01	0.00	7.92	0.00	0.000	0.4	365.48	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 20.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 366.69

Station (m) = 6.7 7.9
Flow (%) = 100.0
Area (sq m) = 1.3
Vel (m/s) = 7.92
Depth (m) = 1.03

STATUS: Analyzing cross-section reach 19.000.

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PROJECT TITLE : Stato di progetto
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STATUS: (3495) Overbank area assumed noneffective.

19.000	0.000	0.020	0.000	1.27	365.31	365.87	0.00
0.072492	22	22	22	368.17	2.86	1.71	0.00
0.31	0	1	0	0.00	365.57	365.60	6
9	0	9	0	1.2	7.36	8.58	11
0.01	0.00	7.49	0.00	0.000	0.4	364.04	0

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 19.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 365.31

Station (m) = 7.4 8.6
Flow (%) = 100.0
Area (sq m) = 1.3
Vel (m/s) = 7.49
Depth (m) = 1.09

STATUS: Analyzing cross-section reach 18.000.

STATUS: (3280) For cross-section 18.00, ends have been extended vertically 0.28 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 364.69
Right Overbank Elevation (m, RBEL) 364.76

18.000	0.000	0.020	0.000	1.30	364.30	364.95	0.00
0.069829	15	15	15	367.04	2.74	1.13	0.00
0.33	0	1	0	0.00	364.69	364.76	6
9	0	9	0	1.2	5.28	6.50	22
0.01	0.00	7.34	0.00	0.000	0.4	363.00	0

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PROJECT TITLE : Stato di progetto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 18.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 364.30

Station (m) = 5.3 6.5
Flow (%) = 100.0
Area (sq m) = 1.3
Vel (m/s) = 7.34
Depth (m) = 1.11

STATUS: Analyzing cross-section reach 17.000.

STATUS: (3280) For cross-section 17.00, ends have been extended vertically 0.11 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 363.72
Right Overbank Elevation (m, RBEL) 363.67

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
17.000	0.000	0.020	0.000	1.31	363.30	364.08	0.00
0.067306	15	15	15	365.98	2.69	1.06	0.00
0.35	0	1	0	0.00	363.72	363.67	7
9	0	9	0	1.2	9.62	10.84	14
0.01	0.00	7.26	0.00	0.000	0.4	361.99	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 17.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 363.30

Station (m) = 9.6 10.8
Flow (%) = 100.0
Area (sq m) = 1.4
Vel (m/s) = 7.26
Depth (m) = 1.12

STATUS: Analyzing cross-section reach 16.000.

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PROJECT TITLE : Stato di progetto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

STATUS: (3280) For cross-section 16.00, ends have been extended vertically 0.02 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 362.93
Right Overbank Elevation (m, RBEL) 363.04

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
16.000	0.000	0.020	0.000	1.32	362.81	363.33	0.00
0.059828	11	11	11	365.24	2.43	0.74	0.00
0.37	0	1	0	0.00	362.93	363.04	5
9	0	9	0	1.2	7.42	8.64	11
0.01	0.00	6.91	0.00	0.000	0.4	361.49	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 16.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 362.81

Station (m) = 7.4 8.6
Flow (%) = 100.0
Area (sq m) = 1.4
Vel (m/s) = 6.91
Depth (m) = 1.18

STATUS: Analyzing cross-section reach 15.000.

STATUS: (3280) For cross-section 15.00, ends have been extended vertically 0.11 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

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PROJECT TITLE : Stato di progetto
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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
15.000	0.050	0.020	0.050	1.49	362.28	362.70	0.00
0.042367	21	21	21	364.21	1.93	1.06	-0.03
0.41	0	1	0	0.00	362.08	362.24	20
9	0	9	0	7.7	0.00	7.73	13
0.01	0.36	6.21	0.04	0.000	0.5	360.79	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 15.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 362.28

Station (m) =	0.0	1.5	2.0	2.5	2.8	3.2
Flow (%) =	1.6	0.0	0.0	0.0	0.0	0.0
Area (sq m) =	0.2	0.1	0.1	0.1	0.1	0.1
Vel (m/s) =	0.92	0.04	0.04	0.04	0.04	0.04
Depth (m) =	0.11	0.12	0.21	0.21	0.21	0.20

Station (m) =	3.2	4.4	6.2	7.7
Flow (%) =	98.2	0.0	0.0	0.0
Area (sq m) =	1.6	0.1	0.0	0.0
Vel (m/s) =	6.21	0.04	0.04	0.04
Depth (m) =	1.28	0.04	0.02	0.02

STATUS: Analyzing cross-section reach 14.000.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

14.000	0.050	0.020	0.050	1.52	361.88	362.32	0.00
0.038305	14	14	14	363.64	1.76	0.58	0.00
0.44	0	1	0	0.00	361.70	361.82	20
9	0	9	0	7.0	1.34	8.29	11
0.01	1.01	5.95	0.24	0.000	0.6	360.36	0

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PROJECT TITLE : Stato di progetto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 14.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 361.88

Station (m) =	1.3	1.5	2.2	3.4	4.9	7.9
Flow (%) =	0.0	1.5	98.0	0.0	0.0	0.5
Area (sq m) =	0.0	0.1	1.6	0.1	0.1	0.1
Vel (m/s) =	0.04	1.25	5.95	0.04	0.43	0.43
Depth (m) =	0.16	0.18	1.34	0.06	0.04	0.04

Station (m) =	7.9	8.3
Flow (%) =	0.0	0.0
Area (sq m) =	0.0	0.0
Vel (m/s) =	0.04	0.04
Depth (m) =	0.01	0.01

STATUS: Analyzing cross-section reach 13.000.

STATUS: (3280) For cross-section 13.00, ends have been extended vertically 0.12 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
13.000	0.050	0.020	0.050	1.45	361.47	361.85	0.00
0.039506	11	11	11	363.21	1.74	0.43	0.00
0.46	0	1	0	0.00	361.33	361.35	5
9	0	9	0	9.0	0.00	8.98	11
0.01	0.04	6.03	0.92	0.000	0.7	360.02	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 13.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 361.47

Station (m) =	0.0	0.8	1.2	1.5	2.2	2.3
Flow (%) =	0.0	0.0	0.0	0.0	0.0	0.0
Area (sq m) =	0.1	0.1	0.0	0.1	0.1	0.0
Vel (m/s) =	0.04	0.04	0.04	0.04	0.04	0.04
Depth (m) =	0.13	0.12	0.13	0.14	0.14	0.14

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Station (m) = 2.3 3.5 7.2 9.0
Flow (%) = 94.0 4.2 1.6
Area (sq m) = 1.5 0.4 0.2
Vel (m/s) = 6.03 0.95 0.85
Depth (m) = 1.26 0.12 0.10

STATUS: Analyzing cross-section reach 12.000.

STATUS: (3280) For cross-section 12.00, ends have been extended vertically 0.27 meters in order to calculate the hydraulic cross-section properties.

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
12.000	0.050	0.020	0.050	1.50	361.40	361.84	0.00
0.044632	4	4	4	363.03	1.62	0.19	0.00
0.47	0	1	0	0.00	361.26	361.29	5
9	0	9	0	6.8	0.00	6.85	13
0.01	0.04	5.88	1.17	0.000	0.8	359.90	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 12.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 361.40

Station (m) = 0.0 1.8 1.8 2.9 4.0 5.4
Flow (%) = 0.0 0.0 92.0 1.0 2.5
Area (sq m) = 0.1 0.0 1.6 0.1 0.2
Vel (m/s) = 0.04 0.04 5.88 0.92 1.17
Depth (m) = 0.04 0.13 1.46 0.10 0.15

Station (m) = 5.4 6.5 6.8
Flow (%) = 4.4 0.0
Area (sq m) = 0.3 0.1
Vel (m/s) = 1.61 0.04
Depth (m) = 0.24 0.27

STATUS: Analyzing cross-section reach 11.000.

STATUS: (3280) For cross-section 11.00, ends have been extended vertically 0.38 meters in order to calculate the hydraulic cross-section properties.

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PROJECT TITLE : Stato di progetto
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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
11.000	0.050	0.020	0.050	1.58	360.86	361.29	0.00
0.028232	15	15	15	362.50	1.63	0.53	0.00
0.50	0	1	0	0.00	360.49	360.49	6
9	0	9	0	1.8	0.28	2.09	15
0.01	0.03	5.70	0.85	0.000	0.8	359.28	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 11.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 360.86

Station (m) = 0.3 0.4 1.6 1.7 2.1
Flow (%) = 0.0 0.0 98.5 0.0 1.4
Area (sq m) = 0.1 1.7 0.0 0.1
Vel (m/s) = 0.03 5.70 0.03 1.09
Depth (m) = 0.38 1.40 0.38 0.37

STATUS: Analyzing cross-section reach 10.000.

STATUS: (3280) For cross-section 10.00, ends have been extended vertically 0.59 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3685) 20 trials attempted in balancing assumed water surface elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.76
Right Overbank Elevation (m, RBEL) 360.17

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PROJECT TITLE : Stato di progetto
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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
10.000	0.000	0.020	0.000	1.02	359.76	360.17	0.00
0.078548	14	14	14	362.71	2.95	0.66	0.04
0.53	0	1	0	0.00	359.72	360.17	20
9	0	9	0	1.3	2.22	3.70	18
0.01	0.00	7.62	0.00	0.000	0.8	358.73	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 10.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 359.76

Station (m) = 2.2 3.9

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Flow (%) = 100.0
Area (sq m) = 1.3
Vel (m/s) = 7.62
Depth (m) = 0.98

STATUS: Analyzing cross-section reach 9.000.

STATUS: (3280) For cross-section 9.00, ends have been extended
vertically 0.73 meters in order to calculate the hydraulic
cross-section properties.

WARNING: (3685) 20 trials attempted in balancing assumed water surface
elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation
will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.70
Right Overbank Elevation (m, RBEL) 360.08

9.000 0.000 0.020 0.000 1.02 359.70 359.89 0.00
0.080627 4 4 4 362.69 3.00 0.35 -0.16
0.53 0 1 0 0.00 359.70 360.08 20
9 0 9 0 1.3 2.41 3.75 11
0.01 0.00 7.68 0.00 0.000 0.9 358.68 0

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PROJECT TITLE : Stato di progetto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

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FLOW DISTRIBUTION :

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Cross-Section Number (SECNO) 9.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 359.70

Station (m) = 2.4 4.0
Flow (%) = 100.0
Area (sq m) = 1.3
Vel (m/s) = 7.68
Depth (m) = 0.97

STATUS: Analyzing cross-section reach 8.000.

STATUS: (3280) For cross-section 8.00, ends have been extended
vertically 0.77 meters in order to calculate the hydraulic
cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.67
Right Overbank Elevation (m, RBEL) 359.80

SECNO XNL XNCH XNR DEPTH CWSEL CRIWS WSELK
SLOPE XLOBL XLCH XLOBR EG HV HL OLOSS
VOL ALOB ACH AROB CORAR LTBK RTBK ITRIAL
Q QLOB QCH QROB TOPWD SSTA ENDST IDC
TIME VLOB VCH VROB WTN TWA ELMIN ICONT

8.000 0.000 0.020 0.000 1.03 359.64 359.69 0.00
0.072040 3 3 3 362.40 2.76 0.29 0.00
0.54 0 1 0 0.00 359.67 359.75 3
9 0 9 0 1.4 3.34 4.71 11
0.01 0.00 7.37 0.00 0.000 0.9 358.61 0

FLOW DISTRIBUTION :

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FLOW DISTRIBUTION :

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Cross-Section Number (SECNO) 8.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 359.64

Station (m) = 3.3 4.9
Flow (%) = 100.0
Area (sq m) = 1.3
Vel (m/s) = 7.37
Depth (m) = 0.98

STATUS: Analyzing cross-section reach 7.000.

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PROJECT TITLE : Stato di progetto
PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

STATUS: (3280) For cross-section 7.00, ends have been extended
vertically 0.57 meters in order to calculate the hydraulic
cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.66
Right Overbank Elevation (m, RBEL) 359.77

SECNO XNL XNCH XNR DEPTH CWSEL CRIWS WSELK
SLOPE XLOBL XLCH XLOBR EG HV HL OLOSS
VOL ALOB ACH AROB CORAR LTBK RTBK ITRIAL
Q QLOB QCH QROB TOPWD SSTA ENDST IDC
TIME VLOB VCH VROB WTN TWA ELMIN ICONT

7.000 0.000 0.020 0.000 0.83 359.42 359.68 0.00
0.075441 1 1 1 362.33 2.91 0.07 0.00
0.54 0 1 0 0.00 359.66 359.77 7
9 0 9 0 1.6 3.25 4.88 11
0.01 0.00 7.56 0.00 0.000 0.9 358.59 0

FLOW DISTRIBUTION :

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Cross-Section Number (SECNO) 7.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 359.42

Station (m) = 3.2 5.1
Flow (%) = 100.0
Area (sq m) = 1.3
Vel (m/s) = 7.56
Depth (m) = 0.80

STATUS: Analyzing cross-section reach 6.000.

STATUS: (3280) For cross-section 6.00, ends have been extended

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COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

vertically 0.60 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.55
Right Overbank Elevation (m, RBEL) 359.68

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SECTO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLBL	XLCH	XLBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
6.000	0.000	0.020	0.000	0.87	359.37	359.56	0.00
0.065688	4	4	4	361.98	2.61	0.35	0.00
0.55	0	1	0	0.00	359.55	359.68	4
9	0	9	0	1.6	3.38	5.01	15
0.01	0.00	7.16	0.00	0.000	0.9	358.50	0

FLOW DISTRIBUTION :

Cross-Section Number (SECTO) 6.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 359.37

Station (m) = 3.4 5.2
Flow (%) = 100.0
Area (sq m) = 1.4
Vel (m/s) = 7.16
Depth (m) = 0.84

STATUS: Analyzing cross-section reach 5.000.

STATUS: (3280) For cross-section 5.00, ends have been extended vertically 0.63 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.44
Right Overbank Elevation (m, RBEL) 359.57

5.000	0.000	0.020	0.000	0.89	359.30	359.57	0.00
0.057251	5	5	5	361.67	2.36	0.31	0.00
0.55	0	1	0	0.00	359.44	359.57	12
9	0	9	0	1.6	3.82	5.46	13
0.01	0.00	6.81	0.00	0.000	0.9	358.41	0

FLOW DISTRIBUTION :

Cross-Section Number (SECTO) 5.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 359.30

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Station (m) = 3.8 5.8
Flow (%) = 100.0
Area (sq m) = 1.5
Vel (m/s) = 6.81
Depth (m) = 0.88

STATUS: Analyzing cross-section reach 4.000.

STATUS: (3280) For cross-section 4.00, ends have been extended vertically 0.69 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.32
Right Overbank Elevation (m, RBEL) 359.44

SECTO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIS	WSEL
SLOPE	XLBL	XLCH	XLBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
4.000	0.000	0.020	0.000	0.98	359.28	359.47	0.00
0.047448	5	5	5	361.36	2.08	0.31	0.00
0.56	0	1	0	0.00	359.32	359.44	9
9	0	9	0	1.7	3.78	5.44	11
0.01	0.00	6.39	0.00	0.000	0.9	358.30	0

FLOW DISTRIBUTION :

Cross-Section Number (SECTO) 4.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 359.28

Station (m) = 3.8 5.7
Flow (%) = 100.0
Area (sq m) = 1.5
Vel (m/s) = 6.39
Depth (m) = 0.93

STATUS: Analyzing cross-section reach 3.000.

STATUS: (3280) For cross-section 3.00, ends have been extended vertically 0.68 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

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WARNING: (3685) 20 trials attempted in balancing assumed water surface

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elevation (WSEL) and computed water surface elevation (CWSEL).

WARNING: (3710) After 20 trials, the assumed water surface elevation will be set to elevation that came closest to balancing.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 359.25
Right Overbank Elevation (m, RBEL) 359.25

SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
3.000	0.000	0.020	0.000	1.00	359.24	359.25	0.00
0.069955	3	3	3	361.95	2.71	0.23	0.05
0.57	0	1	0	0.00	359.25	359.25	20
9	0	9	0	1.4	3.50	4.89	16
0.01	0.00	7.29	0.00	0.000	0.9	358.24	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 3.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 359.24

Station (m) = 3.5 4.9
Flow (%) = 100.0
Area (sq m) = 1.4
Vel (m/s) = 7.29
Depth (m) = 0.97

STATUS: Analyzing cross-section reach 2.000.

STATUS: (3280) For cross-section 2.00, ends have been extended vertically 0.14 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 358.86
Right Overbank Elevation (m, RBEL) 358.60

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SECNO	XNL	XNCH	XNR	DEPTH	CWSEL	CRIWS	WSELK
SLOPE	XLOBL	XLCH	XLOBR	EG	HV	HL	OLOSS
VOL	ALOB	ACH	AROB	CORAR	LTBNK	RTBNK	ITRIAL
Q	QLOB	QCH	QROB	TOPWD	SSTA	ENDST	IDC
TIME	VLOB	VCH	VROB	WTN	TWA	ELMIN	ICONT
2.000	0.000	0.020	0.050	0.78	358.68	359.20	0.00
0.079963	1	1	1	361.88	3.20	0.08	0.00
0.57	0	1	0	0.00	358.86	358.58	7
9	0	9	0	4.9	3.03	7.92	11
0.01	0.00	8.03	1.01	0.000	0.9	357.90	0

FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 2.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 358.68

Station (m) = 3.0 4.8 7.9
Flow (%) = 97.5 2.5
Area (sq m) = 1.2 0.2
Vel (m/s) = 8.03 1.01
Depth (m) = 0.66 0.08

STATUS: Analyzing cross-section reach 1.000.

STATUS: (3280) For cross-section 1.00, ends have been extended vertically 0.13 meters in order to calculate the hydraulic cross-section properties.

STATUS: (3301) The velocity head difference for current and previous cross-sections exceeded the allowable specified by HVINS.

WARNING: (3302) Conveyance change is outside of acceptable range.

Upstream to Downstream Conveyance Ratio (KRATIO) 1.83

STATUS: (3495) Overbank area assumed noneffective.

Left Overbank Elevation (m, XLBEL) 358.85
Right Overbank Elevation (m, RBEL) 358.30

1.000	0.000	0.040	0.050	0.88	358.59	359.03	0.00
0.267527	0	0	0	360.98	2.39	0.90	0.00
0.58	0	1	0	0.00	358.85	358.30	7
9	0	8	1	4.7	3.29	7.95	19
0.02	0.00	7.42	3.23	0.000	0.9	357.70	0

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FLOW DISTRIBUTION :

Cross-Section Number (SECNO) 1.000
Total Discharge (cms, Q) 9
Computed Water Surface Elevation (m MSL, CWSEL) 358.59

Station (m) = 3.3 5.1 7.5 7.9
Flow (%) = 81.7 18.1 0.1
Area (sq m) = 1.1 0.5 0.1
Vel (m/s) = 7.42 3.65 0.10
Depth (m) = 0.60 0.21 0.13

SPECIAL NOTE :

An asterisk (*) to the left of the cross-section number indicates a special note is present in the SUMMARY OF WARNING AND STATUS MESSAGES section.

SUMMARY PRINTOUT TABLE 150 : Stato di progetto

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

201380p.dwg Analisi idraulica Rio Calcinera												
Cross- Section Number	Channel Reach Length (m)	Top of Roadway Elevation (m MSL)	Max. Low Chord Elevation (M MSL)	Minimum C. S. Elevation (m MSL)	Discharge Flow (cms)	Computed W. S. Elevation (m MSL)	Critical W. S. Elevation (m MSL)	Energy Gradient Elevation (m MSL)	Energy Gradient Slope * 10,000 10K*S	Channel Mean Flow Velocity (m/s)	Cross- Section Area (sq m)	Index Q (0.01 * Convey.) 01K
SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISWS	EG		VCH	AREA	
48.000	0.00	0.00	0.00	391.36	20.20	392.80	393.49	395.02	1243.94	6.61	3.06	0.57
48.000	0.00	0.00	0.00	391.36	17.50	392.70	393.32	394.68	1167.92	6.23	2.81	0.51
48.000	0.00	0.00	0.00	391.36	16.00	392.55	393.21	394.73	1409.90	6.55	2.44	0.43
48.000	0.00	0.00	0.00	391.36	12.00	392.30	392.91	394.41	1637.57	6.44	1.86	0.30
47.000	2.70	0.00	0.00	390.94	20.20	392.37	393.01	394.68	1308.95	6.74	3.00	0.56
47.000	2.70	0.00	0.00	390.94	17.50	392.26	392.91	394.35	1254.76	6.41	2.73	0.49
47.000	2.70	0.00	0.00	390.94	16.00	392.13	392.80	394.35	1439.05	6.60	2.42	0.42
47.000	2.70	0.00	0.00	390.94	12.00	391.90	392.50	393.97	1601.82	6.39	1.88	0.30
46.000	3.70	0.00	0.00	390.38	20.20	391.80	392.53	394.18	1367.25	6.85	2.95	0.55
46.000	3.70	0.00	0.00	390.38	17.50	391.68	392.35	393.87	1338.13	6.56	2.67	0.48
46.000	3.70	0.00	0.00	390.38	16.00	391.57	392.24	393.81	1464.24	6.64	2.41	0.42
46.000	3.70	0.00	0.00	390.38	12.00	391.34	391.94	393.39	1567.40	6.34	1.89	0.30
* 45.000	4.00	0.00	0.00	388.30	20.20	389.62	389.97	393.36	3502.34	9.22	2.19	0.34
* 45.000	4.00	0.00	0.00	388.30	17.50	389.95	389.82	393.84	3669.53	8.96	1.95	0.29
* 45.000	4.00	0.00	0.00	388.30	16.00	388.90	389.73	392.91	3879.75	8.87	1.80	0.26

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Cross- Section Number	Channel Reach Length (m)	Top of Roadway Elevation (m MSL)	Max. Low Chord Elevation (M MSL)	Minimum C. S. Elevation (m MSL)	Discharge Flow (cms)	Computed W. S. Elevation (m MSL)	Critical W. S. Elevation (m MSL)	Energy Gradient Elevation (m MSL)	Energy Gradient Slope * 10,000 10K*S	Channel Mean Flow Velocity (m/s)	Cross- Section Area (sq m)	Index Q (0.01 * Convey.) 01K
SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISWS	EG		VCH	AREA	
* 45.000	4.00	0.00	0.00	388.30	12.00	388.77	389.48	392.40	4431.86	8.44	1.42	0.18
44.000	3.10	0.00	0.00	388.19	20.20	389.01	389.86	392.44	2508.93	8.21	2.46	0.40
44.000	3.10	0.00	0.00	388.19	17.50	388.93	389.70	392.10	2534.58	7.89	2.22	0.35
44.000	3.10	0.00	0.00	388.19	16.00	388.88	389.62	391.94	2602.92	7.74	2.07	0.31
44.000	3.10	0.00	0.00	388.19	12.00	388.75	389.37	391.35	2682.65	7.14	1.68	0.23
43.000	3.30	0.00	0.00	388.07	20.20	388.98	389.74	391.79	1616.55	7.42	2.72	0.50
43.000	3.30	0.00	0.00	388.07	17.50	388.90	389.59	391.44	1620.60	7.07	2.48	0.43
43.000	3.30	0.00	0.00	388.07	16.00	388.85	389.50	391.26	1648.63	6.89	2.32	0.39
43.000	3.30	0.00	0.00	388.07	12.00	388.72	389.25	390.67	1623.64	6.19	1.94	0.30
42.000	3.20	0.00	0.00	387.95	20.20	388.94	389.61	391.33	1270.37	6.86	2.95	0.57
42.000	3.20	0.00	0.00	387.95	17.50	388.85	389.46	390.99	1241.30	6.48	2.70	0.50
42.000	3.20	0.00	0.00	387.95	16.00	388.80	389.37	390.81	1238.26	6.27	2.55	0.45
42.000	3.20	0.00	0.00	387.95	12.00	388.69	389.13	390.24	1138.89	5.52	2.17	0.36
41.000	3.10	0.00	0.00	387.84	20.20	388.90	389.50	390.98	1026.70	6.39	3.16	0.63
41.000	3.10	0.00	0.00	387.84	17.50	388.82	389.35	390.65	977.45	5.99	2.92	0.56
41.000	3.10	0.00	0.00	387.84	16.00	388.77	389.26	390.47	961.65	5.78	2.77	0.52
41.000	3.10	0.00	0.00	387.84	12.00	388.64	389.02	389.93	861.58	5.04	2.38	0.41
* 40.000	2.80	0.00	0.00	387.74	16.80	388.63	389.21	390.67	1206.78	6.33	2.65	0.48
* 40.000	2.80	0.00	0.00	387.74	12.50	388.43	388.95	390.33	1489.19	6.11	2.05	0.32
* 40.000	2.80	0.00	0.00	387.74	11.70	388.42	388.90	390.16	1402.30	5.85	2.00	0.31
* 40.000	2.80	0.00	0.00	387.74	9.90	388.41	388.77	389.67	1023.52	4.98	1.99	0.31
39.000	2.80	0.00	0.00	386.61	16.80	387.33	388.05	390.21	2281.12	7.52	2.23	0.35
39.000	2.80	0.00	0.00	386.61	12.50	387.19	387.80	389.79	2590.47	7.15	1.75	0.25
39.000	2.80	0.00	0.00	386.61	11.70	387.16	387.75	389.64	2569.10	6.97	1.68	0.23
39.000	2.80	0.00	0.00	386.61	9.90	387.12	387.63	389.25	2423.25	6.47	1.53	0.20
38.000	3.10	0.00	0.00	386.45	16.80	387.26	387.90	389.61	1702.69	6.79	2.47	0.41
38.000	3.10	0.00	0.00	386.45	12.50	387.10	387.64	389.12	1795.29	6.31	1.98	0.30
38.000	3.10	0.00	0.00	386.45	11.70	387.08	387.59	388.99	1752.09	6.12	1.91	0.28
38.000	3.10	0.00	0.00	386.45	9.90	387.03	387.47	388.65	1605.83	5.63	1.76	0.25
37.000	2.59	0.00	0.00	386.33	16.80	387.21	387.79	389.21	1357.47	6.27	2.68	0.46
37.000	2.59	0.00	0.00	386.33	12.50	387.06	387.53	388.72	1355.30	5.72	2.18	0.34
37.000	2.59	0.00	0.00	386.33	11.70	387.03	387.48	388.60	1311.65	5.54	2.11	0.32
37.000	2.59	0.00	0.00	386.33	9.90	386.99	387.37	388.29	1172.40	5.06	1.96	0.29
36.000	2.47	0.00	0.00	386.20	16.80	387.16	387.67	388.91	1126.95	5.86	2.87	0.50
36.000	2.47	0.00	0.00	386.20	12.50	387.00	387.41	388.42	1087.22	5.29	2.36	0.38

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Cross- Section Number	Channel Reach Length (m)	Top of Roadway Elevation (m MSL)	Max. Low Chord Elevation (M MSL)	Minimum C. S. Elevation (m MSL)	Discharge Flow (cms)	Computed W. S. Elevation (m MSL)	Critical W. S. Elevation (m MSL)	Energy Gradient Elevation (m MSL)	Energy Gradient Slope * 10,000 10K*S	Channel Mean Flow Velocity (m/s)	Cross- Section Area (sq m)	Index Q (0.01 * Convey.) 01K
SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRISWS	EG		VCH	AREA	
36.000	2.47	0.00	0.00	386.20	11.70	386.97	387.36	388.31	1048.49	5.12	2.29	0.36
36.000	2.47	0.00	0.00	386.20	9.90	386.92	387.25	388.03	942.64	4.68	2.11	0.32
35.000	3.00	0.00	0.00	386.05	16.80	387.07	387.53	388.60	942.19	5.49	3.06	0.55
35.000	3.00	0.00	0.00	386.05	12.50	386.92	387.28	388.13	871.79	4.89	2.56	0.42
35.000	3.00	0.00	0.00	386.05	11.70	386.89	387.23	388.03	834.74	4.72	2.48	0.40
35.000	3.00	0.00	0.00	386.05	9.90	386.83	387.11	387.78	754.96	4.33	2.29	0.36
* 34.000	3.26	0.00	0.00	384.39	16.80	385.11	385.84	388.13	2461.42	7.71	2.18	0.34
* 34.000	3.26	0.00	0.00	384.39	12.50	384.96	385.59	387.67	2765.22	7.29	1.71	0.24
* 34.000	3.26	0.00	0.00	384.39	11.70	384.94	385.54	387.57	2837.54	7.19	1.63	0.22
* 34.000	3.26	0.00	0.00	384.39	9.90	384.86	385.42	387.34	3061.86	6.98	1.42	0.18
33.000	2.44	0.00	0.00	384.27	16.80	385.06	385.73	387.60	1925.14	7.07	2.38	0.38
33.000	2.44	0.00	0.00	384.27	12.50	384.91	385.47	387.09	2022.47	6.54	1.91	0.28
33.000	2.44	0.00	0.00	384.27	11.70	384.88	385.42	386.99	2041.84	6.43	1.82	0.26
33.000	2.44	0.00	0.00	384.27	9.90	384.82	385.31	386.73	2086.56	6.13	1.62	0.22
32.000	2.91	0.00	0.00	384.12	16.80	384.96	385.61	387.11	1506.58	6.50	2.58	0.43
32.000	2.91	0.00	0.00	384.12	12.50	384.81	385.40	386.59	1493.27	5.91	2.11	0.32
32.000	2.91	0.00	0.00	384.12	11.70	384.78	385.24	386.48	1486.00	5.78	2.02	0.30
32.000	2.91	0.00	0.00	384.12	9.90	384.73	385.14	386.23	1449.13	5.43	1.82	0.26
31.000	3.35	0.00	0.00	382.71	16.80	383.44	384.18	386.47	2469.94	7.72	2.18	0.34
31.000	3.35	0.00	0.00	382.71	12.50	383.30	383.92	385.94	2651.27	7.20	1.74	0.24
31.000	3.35	0.00	0.00	382.71	11.70	383.26	383.86	385.82	2707.88	7.10	1.65	0.22
31.000	3.35	0.00	0.00	382.71	9.90	383.20	383.74	385.57	2837.88	6.82	1.45	0.19
30.000	3.34	0.00	0.00	382.14	16.80	383.89	384.38	385.85	1429.56	6.27	3.05	0.44
30.000	3.34	0.00	0.00	382.14	12.50	383.57	384.23	385.31	1408.59	5.85	2.14	0.33
30.000	3.34	0.00	0.00	382.14	11.70	383.49	384.21	385.19	1411.06	5.78	2.02	0.31
30.000	3.34	0.00	0.00	382.14	9.90	383.33	384.09	384.92	1409.80	5.59	1.77	0.26

COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

29.000	3.17	0.00	0.00	381.71	16.80	383.61	384.05	385.36	1702.14	6.38	3.08	0.41	
29.000	3.17	0.00	0.00	381.71	12.50	383.53	383.86	384.87	1329.93	5.49	2.68	0.34	
29.000	3.17	0.00	0.00	381.71	11.70	383.51	383.84	384.77	1244.56	5.29	2.60	0.33	
29.000	3.17	0.00	0.00	381.71	9.90	383.48	383.75	384.53	1050.06	4.79	2.41	0.31	
28.000	4.02	0.00	0.00	380.86	16.80	382.88	383.39	384.75	1360.88	6.26	3.04	0.46	
28.000	4.02	0.00	0.00	380.86	12.50	382.68	383.20	384.35	1290.95	5.72	2.21	0.35	
28.000	4.02	0.00	0.00	380.86	11.70	382.59	383.15	384.25	1346.24	5.70	2.05	0.32	
28.000	4.02	0.00	0.00	380.86	9.90	382.41	383.09	384.04	1442.35	5.66	1.75	0.26	
*	27.000	16.15	0.00	0.00	378.80	16.80	380.74	381.32	383.42	552.80	7.45	3.03	0.71

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PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

Cross- Section Number	Channel Reach Length (m)	Top of Roadway Elevation (m MSL)	Low Chord Elevation (M MSL)	Minimum C. S. Elevation (m MSL)	Discharge Flow (cms) Q	Computed W. S. Elevation (m MSL)	Critical W. S. Elevation (m MSL)	Energy Gradient Elevation (m MSL)	Energy Gradient Slope * 10,000 10K*S	Channel Mean Flow Velocity (m/s) VCH	Cross- Section Area (sq m) AREA	Index Q (0.01 * Convey.) .01K	
SECNO	XLCH	ELTRD	ELLC	ELMIN		CWSL	CRIS	EG					
*	27.000	16.15	0.00	0.00	378.80	12.50	380.44	381.16	383.00	581.57	7.09	1.76	0.52
*	27.000	16.15	0.00	0.00	378.80	11.70	380.37	381.14	382.88	582.71	7.02	1.67	0.48
*	27.000	16.15	0.00	0.00	378.80	9.90	380.17	381.08	382.61	600.66	6.93	1.43	0.40
	26.000	13.18	0.00	0.00	377.14	16.80	378.98	379.98	382.56	781.52	8.39	2.00	0.60
	26.000	13.18	0.00	0.00	377.14	12.50	378.57	379.74	382.08	846.79	8.31	1.50	0.43
	26.000	13.18	0.00	0.00	377.14	11.70	378.50	379.66	381.96	853.27	8.24	1.42	0.40
	26.000	13.18	0.00	0.00	377.14	9.90	378.34	379.56	381.66	872.44	8.08	1.22	0.34
	25.000	13.36	0.00	0.00	375.46	16.80	377.17	378.19	381.41	953.39	9.13	1.84	0.54
	25.000	13.36	0.00	0.00	375.46	12.50	376.80	378.01	380.85	1005.37	8.92	1.40	0.39
	25.000	13.36	0.00	0.00	375.46	11.70	376.73	377.96	380.72	1013.66	8.85	1.32	0.37
	25.000	13.36	0.00	0.00	375.46	9.90	376.60	377.84	380.40	1029.87	8.65	1.14	0.31
	24.000	15.08	0.00	0.00	373.56	16.80	375.18	376.07	379.89	1072.09	9.61	1.75	0.51
	24.000	15.08	0.00	0.00	373.56	12.50	374.86	375.88	379.26	1109.82	9.30	1.34	0.38
	24.000	15.08	0.00	0.00	373.56	11.70	374.80	375.87	379.12	1115.61	9.21	1.27	0.35
	24.000	15.08	0.00	0.00	373.56	9.90	374.65	375.79	378.77	1133.99	8.99	1.10	0.29
	23.000	19.81	0.00	0.00	371.07	16.80	372.65	373.59	377.68	1161.16	9.94	1.69	0.49
	23.000	19.81	0.00	0.00	371.07	12.50	372.33	373.45	376.99	1188.02	9.56	1.31	0.36
	23.000	19.81	0.00	0.00	371.07	11.70	372.26	373.40	376.83	1194.16	9.47	1.23	0.34
	23.000	19.81	0.00	0.00	371.07	9.90	372.14	373.32	376.46	1202.18	9.21	1.07	0.29
	22.000	22.68	0.00	0.00	368.21	16.80	369.77	370.81	374.99	1212.49	10.12	1.66	0.48
	22.000	22.68	0.00	0.00	368.21	12.50	369.45	370.64	374.24	1231.15	9.70	1.29	0.36
	22.000	22.68	0.00	0.00	368.21	11.70	369.41	370.66	374.08	1229.30	9.58	1.22	0.33
	22.000	22.68	0.00	0.00	368.21	9.90	369.26	370.56	373.69	1240.77	9.32	1.06	0.28
	21.000	20.37	0.00	0.00	366.59	16.80	368.26	369.13	372.73	1012.80	9.38	1.79	0.53
	21.000	20.37	0.00	0.00	366.59	12.50	367.93	369.04	371.98	1006.24	8.93	1.40	0.39
	21.000	20.37	0.00	0.00	366.59	11.70	367.87	369.01	371.82	1004.19	8.82	1.33	0.37
	21.000	20.37	0.00	0.00	366.59	9.90	367.73	368.92	371.43	995.96	8.53	1.16	0.31
*	20.000	17.08	0.00	0.00	365.48	16.80	367.12	367.16	371.70	1024.59	9.48	1.77	0.52
	20.000	17.08	0.00	0.00	365.48	12.50	366.91	367.14	370.41	843.56	8.30	1.51	0.43
	20.000	17.08	0.00	0.00	365.48	11.70	366.84	367.13	370.26	840.99	8.20	1.43	0.40
	20.000	17.08	0.00	0.00	365.48	9.90	366.69	367.14	369.88	828.78	7.92	1.25	0.34
*	19.000	22.12	0.00	0.00	364.04	16.80	365.57	366.03	368.09	743.01	7.91	3.40	0.62
	19.000	22.12	0.00	0.00	364.04	12.50	365.53	365.93	368.67	739.07	7.85	1.59	0.46
	19.000	22.12	0.00	0.00	364.04	11.70	365.47	365.89	368.52	734.49	7.75	1.51	0.43
	19.000	22.12	0.00	0.00	364.04	9.90	365.31	365.87	368.17	724.92	7.49	1.32	0.37

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PROJECT NUMBER : Analisi idraulica Rio Calcinera 4/06/2021

Cross- Section Number	Channel Reach Length (m)	Top of Roadway Elevation (m MSL)	Max. Low Chord Elevation (M MSL)	Minimum C. S. Elevation (m MSL)	Discharge Flow (cms) Q	Computed W. S. Elevation (m MSL)	Critical W. S. Elevation (m MSL)	Energy Gradient Elevation (m MSL)	Energy Gradient Slope * 10,000 10K*S	Channel Mean Flow Velocity (m/s) VCH	Cross- Section Area (sq m) AREA	Index Q (0.01 * Convey.) .01K	
SECNO	XLCH	ELTRD	ELLC	ELMIN		CWSL	CRIS	EG					
*	18.000	15.95	0.00	0.00	363.00	16.80	364.76	365.17	366.25	422.86	6.20	4.04	0.82
	18.000	15.95	0.00	0.00	363.00	12.50	364.52	365.04	367.52	701.11	7.67	1.63	0.47
	18.000	15.95	0.00	0.00	363.00	11.70	364.45	365.01	367.38	698.88	7.58	1.54	0.44
	18.000	15.95	0.00	0.00	363.00	9.90	364.30	364.95	367.04	690.29	7.34	1.35	0.38
	17.000	15.57	0.00	0.00	361.99	16.80	363.88	364.31	365.61	407.59	6.47	4.53	0.83
	17.000	15.57	0.00	0.00	361.99	12.50	363.53	364.17	366.45	677.87	7.57	1.65	0.48
	17.000	15.57	0.00	0.00	361.99	11.70	363.46	364.12	366.31	675.71	7.48	1.56	0.45
	17.000	15.57	0.00	0.00	361.99	9.90	363.30	364.08	365.98	673.06	7.26	1.36	0.38
*	16.000	11.62	0.00	0.00	361.49	16.80	363.11	363.51	365.07	526.90	7.07	4.18	0.73
*	16.000	11.62	0.00	0.00	361.49	12.50	362.93	363.39	365.60	672.68	7.47	2.31	0.48
	16.000	11.62	0.00	0.00	361.49	11.70	362.93	363.39	365.75	670.97	7.45	1.57	0.45
	16.000	11.62	0.00	0.00	361.49	9.90	362.81	363.33	365.24	598.28	6.91	1.43	0.40
	15.000	21.22	0.00	0.00	360.79	16.80	362.51	362.89	364.13	377.42	6.56	4.75	0.86
	15.000	21.22	0.00	0.00	360.79	12.50	362.37	362.80	364.44	451.73	6.71	3.04	0.59
	15.000	21.22	0.00	0.00	360.79	11.70	362.31	362.77	364.54	491.01	6.82	2.48	0.53
	15.000	21.22	0.00	0.00	360.79	9.90	362.28	362.70	364.21	423.67	6.21	2.15	0.48
	14.000	14.42	0.00	0.00	360.36	16.80	362.20	362.59	363.64	306.37	6.13	4.74	0.96
	14.000	14.42	0.00	0.00	360.36	12.50	362.00	362.46	363.84	386.76	6.33	2.94	0.64
	14.000	14.42	0.00	0.00	360.36	11.70	361.94	362.44	363.89	415.02	6.39	2.48	0.57
*	14.000	14.42	0.00	0.00	360.36	9.90	361.88	362.32	363.64	383.05	5.95	1.99	0.51
	13.000	11.05	0.00	0.00	360.02	16.80	361.71	362.11	363.27	366.70	6.49	4.58	0.88
	13.000	11.05	0.00	0.00	360.02	12.50	361.55	361.96	363.39	423.41	6.49	3.19	0.61
	13.000	11.05	0.00	0.00	360.02	11.70	361.52	361.93	363.42	439.79	6.49	2.85	0.56
	13.000	11.05	0.00	0.00	360.02	9.90	361.47	361.85	363.21	396.96	6.03	2.47	0.50
	12.000	4.50	0.00	0.00	359.90	16.80	361.71	362.12	363.11	378.53	6.15	4.39	0.86
	12.000	4.50	0.00	0.00	359.90	12.50	361.50	361.93	363.19	406.08	6.27	2.97	0.58
	12.000	4.50	0.00	0.00	359.90	11.70	361.47	361.91	363.22	478.60	6.27	2.74	0.53
	12.000	4.50	0.00	0.00	359.90	9.90	361.40	361.84	363.03	446.32	5.88	2.30	0.47
*	11.000	15.11	0.00	0.00	359.28	16.80	361.74	362.03	363.33	149.62	5.73	3.51	1.37
*	11.000	15.11	0.00	0.00	359.28	12.50	361.28	361.60	362.77	185.79	5.49	2.67	0.92
*	11.000	15.11	0.00	0.00	359.28	11.70	361.11	361.58	362.73	229.31	5.71	2.37	0.77
	11.000	15.11	0.00	0.00	359.28	9.90	360.86	361.29	362.50	282.32	5.70	1.93	0.59
*	10.000	14.97	0.00	0.00	358.73	16.80	359.80	360.46	362.84	1127.72	8.79	2.61	0.50
*	10.000	14.97	0.00	0.00	358.73	12.50	359.76	360.27	361.69	703.95	6.97	2.47	0.47
*	10.000	14.97	0.00	0.00	358.73	11.70	359.76	360.22	361.44	613.34	6.51	2.47	0.47
*	10.000	14.97	0.00	0.00	358.73	9.90	359.76	360.17	362.71	785.48	7.62	1.30	0.35

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COMUNE DI CAPRIE
Lavori di sistemazione idraulica Rio Calcinera e realizzazione di aree di laminazione

PROJECT TITLE : Stato di progetto
 PROJECT NUMBER : Analisi idraulica Rio Calcinera

4/06/2021

Cross- Section Number	Channel Reach Length (m) XLCH	Top of Roadway Elevation (m MSL) ELTRD	Max. Low Chord Elevation (M MSL) ELLC	Minimum C. S. Elevation (m MSL) ELMIN	Discharge Flow (cms) Q	Computed W. S. Elevation (m MSL) CWSEL	Critical W. S. Elevation (m MSL) CRIWS	Energy Gradient Elevation (m MSL) EG	Energy Gradient Slope * 10,000 10K*S	Channel Mean Flow Velocity (m/s) VCH	Cross- Section Area (sq m) AREA	Index Q (0.01 * Convey.) .01K	
SECNO													
*	9.000	4.36	0.00	0.00	358.68	16.80	359.70	360.15	361.88	861.58	7.79	3.00	0.57
*	9.000	4.36	0.00	0.00	358.68	12.50	359.70	360.12	360.93	469.65	5.86	2.99	0.58
*	9.000	4.36	0.00	0.00	358.68	11.70	359.71	359.99	360.72	419.48	5.30	3.03	0.57
*	9.000	4.36	0.00	0.00	358.68	9.90	359.70	359.89	362.69	806.27	7.68	1.29	0.35
*	8.000	3.87	0.00	0.00	358.61	16.80	359.67	359.99	360.86	491.40	5.98	3.92	0.76
*	8.000	3.87	0.00	0.00	358.61	12.50	359.69	359.89	360.32	253.18	4.34	4.02	0.79
*	8.000	3.87	0.00	0.00	358.61	11.70	359.69	359.84	360.24	224.79	4.08	4.00	0.78
*	8.000	3.87	0.00	0.00	358.61	9.90	359.64	359.69	362.40	720.40	7.37	1.34	0.37
*	7.000	1.00	0.00	0.00	358.59	16.80	359.72	360.00	360.73	322.73	5.40	4.51	0.94
*	7.000	1.00	0.00	0.00	358.59	12.50	359.67	359.83	360.30	208.21	4.24	4.28	0.87
*	7.000	1.00	0.00	0.00	358.59	11.70	359.66	359.81	360.22	188.23	4.01	4.23	0.85
*	7.000	1.00	0.00	0.00	358.59	9.90	359.42	359.68	362.33	754.41	7.56	1.31	0.36
*	6.000	4.94	0.00	0.00	358.50	16.80	359.61	359.86	360.57	319.42	5.30	4.57	0.94
*	6.000	4.94	0.00	0.00	358.50	12.50	359.58	359.72	360.15	196.20	4.09	4.41	0.89
*	6.000	4.94	0.00	0.00	358.50	11.70	359.56	359.72	360.08	182.85	3.91	4.31	0.87
*	6.000	4.94	0.00	0.00	358.50	9.90	359.37	359.56	361.98	656.88	7.16	1.38	0.39
*	5.000	5.11	0.00	0.00	358.41	16.80	359.49	359.63	360.33	288.99	5.03	4.82	0.99
*	5.000	5.11	0.00	0.00	358.41	12.50	359.44	359.62	359.97	190.92	3.98	4.53	0.90
*	5.000	5.11	0.00	0.00	358.41	11.70	359.44	359.45	359.90	167.23	3.72	4.53	0.90
*	5.000	5.11	0.00	0.00	358.41	9.90	359.30	359.57	361.67	572.51	6.81	1.45	0.41
*	4.000	5.91	0.00	0.00	358.30	16.80	359.44	359.50	360.41	305.24	5.32	4.62	0.96
*	4.000	5.91	0.00	0.00	358.30	12.50	359.43	359.46	359.98	171.93	3.99	4.59	0.95
*	4.000	5.91	0.00	0.00	358.30	11.70	359.43	359.45	359.91	149.67	3.72	4.60	0.96
*	4.000	5.91	0.00	0.00	358.30	9.90	359.28	359.47	361.36	474.48	6.39	1.55	0.45
*	3.000	3.94	0.00	0.00	358.24	16.80	359.35	359.47	359.94	248.96	4.65	6.07	1.06
*	3.000	3.94	0.00	0.00	358.24	12.50	359.26	359.32	359.69	198.68	3.91	5.35	0.89
*	3.000	3.94	0.00	0.00	358.24	11.70	359.26	359.29	359.63	173.52	3.66	5.35	0.89
*	3.000	3.94	0.00	0.00	358.24	9.90	359.24	359.25	361.95	699.55	7.29	1.36	0.37
*	2.000	1.03	0.00	0.00	357.90	16.80	359.48	359.48	359.97	67.28	3.82	7.77	2.05
*	2.000	1.03	0.00	0.00	357.90	12.50	359.31	359.31	359.72	63.38	3.41	6.42	1.57
*	2.000	1.03	0.00	0.00	357.90	11.70	359.28	359.28	359.67	60.84	3.29	6.20	1.50
*	2.000	1.03	0.00	0.00	357.90	9.90	358.68	359.20	361.88	799.63	8.03	1.45	0.35
*	1.000	6.72	0.00	0.00	357.70	16.80	358.98	359.25	359.87	681.53	4.84	4.42	0.64
*	1.000	6.72	0.00	0.00	357.70	12.50	358.88	359.09	359.62	655.63	4.37	3.64	0.49
*	1.000	6.72	0.00	0.00	357.70	11.70	358.86	359.06	359.57	648.07	4.27	3.48	0.46
*	1.000	6.72	0.00	0.00	357.70	9.90	358.59	359.03	360.98	2675.27	7.42	1.65	0.19

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PROJECT TITLE : Stato di progetto
 PROJECT NUMBER : Analisi idraulica Rio Calcinera

4/06/2021

SUMMARY PRINTOUT TABLE 150 : Stato di progetto

201380p.dwg

Analisi idraulica Rio Calcinera

Cross- Section Number	Discharge Flow (cms) Q	Computed W. S. Elevation (m MSL) CWSEL	W.S. Elev Diff per Profile (m) DIFWSP	W.S. Elev Diff per Section (m) DIFWSX	W.S. Elev Diff per Know/Comp (m) DIFKWS	Water Surface Top Width (m) TOPWID	Channel Reach Length (m) XLCH	
SECNO								
48.000	20.20	392.80	0.00	0.00	0.00	2.52	0.00	
48.000	17.50	392.70	-0.10	0.00	0.00	2.47	0.00	
48.000	16.00	392.55	-0.15	0.00	0.00	2.39	0.00	
48.000	12.00	392.30	-0.25	0.00	0.00	2.25	0.00	
47.000	20.20	392.37	0.00	-0.43	0.00	2.50	2.70	
47.000	17.50	392.26	-0.11	-0.44	0.00	2.44	2.70	
47.000	16.00	392.13	-0.12	-0.42	0.00	2.37	2.70	
47.000	12.00	391.90	-0.24	-0.40	0.00	2.24	2.70	
46.000	20.20	391.80	0.00	-0.57	0.00	2.49	3.70	
46.000	17.50	391.68	-0.12	-0.58	0.00	2.42	3.70	
46.000	16.00	391.57	-0.11	-0.57	0.00	2.36	3.70	
46.000	12.00	391.34	-0.22	-0.55	0.00	2.24	3.70	
* * * *	45.000	20.20	389.02	0.00	-2.77	0.00	2.99	4.00
	45.000	17.50	388.95	-0.07	-2.73	0.00	2.98	4.00
	45.000	16.00	388.90	-0.05	-2.66	0.00	2.98	4.00
	45.000	12.00	388.77	-0.13	-2.57	0.00	2.98	4.00
44.000	20.20	389.01	0.00	-0.02	0.00	2.99	3.10	
44.000	17.50	388.93	-0.07	-0.02	0.00	2.99	3.10	
44.000	16.00	388.88	-0.05	-0.02	0.00	2.98	3.10	
44.000	12.00	388.75	-0.13	-0.02	0.00	2.98	3.10	
43.000	20.20	388.98	0.00	-0.03	0.00	2.99	3.30	
43.000	17.50	388.90	-0.08	-0.03	0.00	2.99	3.30	
43.000	16.00	388.85	-0.05	-0.04	0.00	2.99	3.30	
43.000	12.00	388.72	-0.13	-0.03	0.00	2.99	3.30	
42.000	20.20	388.94	0.00	-0.05	0.00	2.99	3.20	
42.000	17.50	388.85	-0.08	-0.05	0.00	2.99	3.20	
42.000	16.00	388.80	-0.05	-0.04	0.00	2.99	3.20	
42.000	12.00	388.69	-0.12	-0.03	0.00	2.99	3.20	
41.000	20.20	388.90	0.00	-0.04	0.00	2.99	3.10	
41.000	17.50	388.82	-0.07	-0.03	0.00	2.99	3.10	

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Cross- Section Number	Discharge Flow	Computed W. S. Elevation (m MSL)	W.S. Elev Diff per Profile	W.S. Elev Diff per Section	W.S. Elev Diff per Know/Comp	Water Surface Top Width	Channel Reach Length	
SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
41.000	16.00	388.77	-0.05	-0.03	0.00	2.99	3.10	
41.000	12.00	388.64	-0.14	-0.05	0.00	2.99	3.10	
* * *	40.000	16.80	388.63	0.00	-0.27	0.00	2.99	2.80
	40.000	12.50	388.43	-0.20	-0.39	0.00	2.99	2.80
	40.000	11.70	388.42	-0.01	-0.36	0.00	2.99	2.80

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	40.000	9.90	388.41	-0.01	-0.23	0.00	2.99	2.80
	39.000	16.80	387.33	0.00	-1.29	0.00	3.15	2.80
	39.000	12.50	387.19	-0.15	-1.24	0.00	3.12	2.80
*	39.000	11.70	387.16	-0.03	-1.25	0.00	3.11	2.80
	39.000	9.90	387.12	-0.04	-1.29	0.00	3.10	2.80
	38.000	16.80	387.26	0.00	-0.08	0.00	3.18	3.10
	38.000	12.50	387.10	-0.16	-0.09	0.00	3.14	3.10
	38.000	11.70	387.08	-0.02	-0.09	0.00	3.14	3.10
	38.000	9.90	387.03	-0.05	-0.09	0.00	3.13	3.10
	37.000	16.80	387.21	0.00	-0.04	0.00	3.18	2.59
	37.000	12.50	387.06	-0.16	-0.04	0.00	3.15	2.59
	37.000	11.70	387.03	-0.02	-0.04	0.00	3.14	2.59
	37.000	9.90	386.99	-0.04	-0.04	0.00	3.13	2.59
	36.000	16.80	387.16	0.00	-0.05	0.00	3.19	2.47
	36.000	12.50	387.00	-0.16	-0.06	0.00	3.16	2.47
	36.000	11.70	386.97	-0.03	-0.06	0.00	3.16	2.47
	36.000	9.90	386.92	-0.06	-0.07	0.00	3.15	2.47
	35.000	16.80	387.07	0.00	-0.09	0.00	3.21	3.00
	35.000	12.50	386.92	-0.15	-0.08	0.00	3.18	3.00
	35.000	11.70	386.89	-0.02	-0.08	0.00	3.17	3.00
	35.000	9.90	386.83	-0.07	-0.09	0.00	3.16	3.00
*	34.000	16.80	385.11	0.00	-1.96	0.00	3.16	3.26
*	34.000	12.50	384.96	-0.15	-1.95	0.00	3.13	3.26
*	34.000	11.70	384.94	-0.03	-1.96	0.00	3.12	3.26
*	34.000	9.90	384.86	-0.07	-1.96	0.00	3.11	3.26
	33.000	16.80	385.06	0.00	-0.05	0.00	3.19	2.44
	33.000	12.50	384.91	-0.15	-0.05	0.00	3.16	2.44
	33.000	11.70	384.88	-0.03	-0.05	0.00	3.15	2.44
	33.000	9.90	384.82	-0.06	-0.05	0.00	3.13	2.44
	32.000	16.80	384.96	0.00	-0.10	0.00	3.29	2.91

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Cross- Section Number	Discharge Flow	Computed W. S. Elevation (m MSL) CWSEL	W.S. Elev Diff per Profile (m) DIFWSP	W.S. Elev Diff per Section (m) DIFWSX	W.S. Elev Diff per Know/Comp (m) DIFKWS	Water Surface Top Width (m) TOPWID	Channel Reach Length (m) XLCH	
SECNO	(cms) Q							
32.000	12.50	384.81	-0.15	-0.10	0.00	3.24	2.91	
32.000	11.70	384.78	-0.03	-0.10	0.00	3.23	2.91	
32.000	9.90	384.73	-0.05	-0.09	0.00	3.21	2.91	
31.000	16.80	383.44	0.00	-1.52	0.00	3.00	3.35	
31.000	12.50	383.30	-0.14	-1.51	0.00	3.00	3.35	
31.000	11.70	383.26	-0.04	-1.52	0.00	2.99	3.35	
31.000	9.90	383.20	-0.06	-1.53	0.00	2.99	3.35	
30.000	16.80	383.89	0.00	0.45	0.00	5.05	3.34	
30.000	12.50	383.57	-0.32	0.27	0.00	1.50	3.34	
30.000	11.70	383.49	-0.08	0.23	0.00	1.50	3.34	
30.000	9.90	383.33	-0.16	0.13	0.00	1.50	3.34	
29.000	16.80	383.61	0.00	-0.28	0.00	5.06	3.17	
29.000	12.50	383.53	-0.08	-0.04	0.00	5.03	3.17	
29.000	11.70	383.51	-0.02	0.02	0.00	5.02	3.17	
29.000	9.90	383.48	-0.04	0.15	0.00	5.01	3.17	
28.000	16.80	382.88	0.00	-0.73	0.00	5.26	4.02	
28.000	12.50	382.68	-0.20	-0.85	0.00	2.61	4.02	
28.000	11.70	382.59	-0.09	-0.92	0.00	1.64	4.02	
28.000	9.90	382.41	-0.18	-1.06	0.00	1.58	4.02	
* * * *	27.000	16.80	380.74	0.00	-2.14	0.00	7.41	16.15
	27.000	12.50	380.44	-0.30	-2.23	0.00	1.22	16.15
	27.000	11.70	380.37	-0.08	-2.22	0.00	1.22	16.15
	27.000	9.90	380.17	-0.20	-2.25	0.00	1.21	16.15
26.000	16.80	378.98	0.00	-1.76	0.00	1.22	13.18	
26.000	12.50	378.57	-0.41	-1.87	0.00	1.21	13.18	
26.000	11.70	378.50	-0.07	-1.87	0.00	1.21	13.18	
26.000	9.90	378.34	-0.16	-1.83	0.00	1.21	13.18	
25.000	16.80	377.17	0.00	-1.81	0.00	1.21	13.36	
25.000	12.50	376.80	-0.36	-1.77	0.00	1.21	13.36	
25.000	11.70	376.73	-0.07	-1.77	0.00	1.21	13.36	
25.000	9.90	376.60	-0.14	-1.74	0.00	1.21	13.36	
24.000	16.80	375.18	0.00	-1.98	0.00	1.22	15.08	
24.000	12.50	374.86	-0.33	-1.94	0.00	1.21	15.08	
24.000	11.70	374.80	-0.06	-1.93	0.00	1.21	15.08	
24.000	9.90	374.65	-0.14	-1.94	0.00	1.21	15.08	

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Cross- Section Number	Discharge Flow	Computed W. S. Elevation (m MSL) CWSEL	W.S. Elev Diff per Profile (m) DIFWSP	W.S. Elev Diff per Section (m) DIFWSX	W.S. Elev Diff per Know/Comp (m) DIFKWS	Water Surface Top Width (m) TOPWID	Channel Reach Length (m) XLCH	
SECNO	(cms) Q							
23.000	16.80	372.65	0.00	-2.54	0.00	1.22	19.81	
23.000	12.50	372.33	-0.32	-2.53	0.00	1.21	19.81	
23.000	11.70	372.26	-0.07	-2.53	0.00	1.21	19.81	
23.000	9.90	372.14	-0.12	-2.51	0.00	1.21	19.81	
22.000	16.80	369.77	0.00	-2.88	0.00	1.21	22.68	
22.000	12.50	369.45	-0.32	-2.88	0.00	1.21	22.68	
22.000	11.70	369.41	-0.05	-2.86	0.00	1.21	22.68	
22.000	9.90	369.26	-0.14	-2.88	0.00	1.21	22.68	
21.000	16.80	368.26	0.00	-1.51	0.00	1.22	20.37	
21.000	12.50	367.93	-0.32	-1.52	0.00	1.21	20.37	
21.000	11.70	367.87	-0.06	-1.54	0.00	1.21	20.37	
21.000	9.90	367.73	-0.14	-1.54	0.00	1.21	20.37	
*	20.000	16.80	367.12	0.00	-1.14	0.00	1.22	17.08
	20.000	12.50	366.91	-0.21	-1.02	0.00	1.22	17.08
	20.000	11.70	366.84	-0.07	-1.03	0.00	1.21	17.08
	20.000	9.90	366.69	-0.14	-1.03	0.00	1.21	17.08
*	19.000	16.80	365.57	0.00	-1.55	0.00	7.96	22.12
	19.000	12.50	365.53	-0.04	-1.38	0.00	1.22	22.12

COMUNE DI CAPRIE
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	19.000	11.70	365.47	-0.07	-1.37	0.00	1.22	22.12
	19.000	9.90	365.31	-0.15	-1.38	0.00	1.21	22.12
*	18.000	16.80	364.76	0.00	-0.81	0.00	9.72	15.95
	18.000	12.50	364.52	-0.24	-1.01	0.00	1.22	15.95
	18.000	11.70	364.45	-0.07	-1.02	0.00	1.22	15.95
	18.000	9.90	364.30	-0.15	-1.01	0.00	1.21	15.95
	17.000	16.80	363.88	0.00	-0.88	0.00	12.16	15.57
	17.000	12.50	363.53	-0.35	-0.99	0.00	1.22	15.57
	17.000	11.70	363.46	-0.07	-0.99	0.00	1.22	15.57
	17.000	9.90	363.30	-0.17	-1.01	0.00	1.21	15.57
	16.000	16.80	363.11	0.00	-0.77	0.00	12.63	11.62
*	16.000	12.50	362.93	-0.18	-0.60	0.00	8.64	11.62
*	16.000	11.70	362.93	0.00	-0.54	0.00	1.22	11.62
	16.000	9.90	362.81	-0.12	-0.48	0.00	1.22	11.62
	15.000	16.80	362.51	0.00	-0.60	0.00	11.91	21.22
	15.000	12.50	362.37	-0.14	-0.56	0.00	11.91	21.22
	15.000	11.70	362.31	-0.06	-0.61	0.00	9.16	21.22
*	15.000	9.90	362.28	-0.03	-0.53	0.00	7.73	21.22

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SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
	14.000	16.80	362.20	0.00	-0.31	0.00	9.16	14.42
	14.000	12.50	362.00	-0.20	-0.37	0.00	9.16	14.42
*	14.000	11.70	361.94	-0.06	-0.37	0.00	7.84	14.42
	14.000	9.90	361.88	-0.06	-0.40	0.00	6.95	14.42
	13.000	16.80	361.71	0.00	-0.50	0.00	8.98	11.05
	13.000	12.50	361.55	-0.15	-0.45	0.00	8.98	11.05
	13.000	11.70	361.52	-0.04	-0.43	0.00	8.98	11.05
	13.000	9.90	361.47	-0.05	-0.41	0.00	8.98	11.05
	12.000	16.80	361.71	0.00	0.01	0.00	6.85	4.50
	12.000	12.50	361.50	-0.21	-0.05	0.00	6.85	4.50
	12.000	11.70	361.47	-0.03	-0.05	0.00	6.85	4.50
	12.000	9.90	361.40	-0.07	-0.07	0.00	6.85	4.50
*	11.000	16.80	361.74	0.00	0.03	0.00	1.81	15.11
*	11.000	12.50	361.28	-0.46	-0.22	0.00	1.81	15.11
*	11.000	11.70	361.11	-0.18	-0.36	0.00	1.81	15.11
	11.000	9.90	360.86	-0.24	-0.54	0.00	1.81	15.11
*	10.000	16.80	359.80	0.00	-1.94	0.00	3.61	14.97
*	10.000	12.50	359.76	-0.04	-1.52	0.00	3.46	14.97
*	10.000	11.70	359.76	0.00	-1.34	0.00	3.46	14.97
*	10.000	9.90	359.76	-0.01	-1.11	0.00	1.33	14.97
*	9.000	16.80	359.70	0.00	-0.10	0.00	3.74	4.36
*	9.000	12.50	359.70	0.00	-0.06	0.00	3.64	4.36
*	9.000	11.70	359.71	0.01	-0.05	0.00	3.90	4.36
*	9.000	9.90	359.70	-0.02	-0.06	0.00	1.33	4.36
*	8.000	16.80	359.67	0.00	-0.03	0.00	4.88	3.87
*	8.000	12.50	359.69	0.02	-0.01	0.00	4.88	3.87
*	8.000	11.70	359.69	0.00	-0.02	0.00	4.88	3.87
	8.000	9.90	359.64	-0.05	-0.06	0.00	1.37	3.87
*	7.000	16.80	359.72	0.00	0.05	0.00	5.08	1.00
	7.000	12.50	359.67	-0.05	-0.02	0.00	5.07	1.00
	7.000	11.70	359.66	-0.01	-0.03	0.00	5.07	1.00
	7.000	9.90	359.42	-0.24	-0.22	0.00	1.64	1.00
	6.000	16.80	359.61	0.00	-0.11	0.00	5.22	4.94
*	6.000	12.50	359.58	-0.04	-0.10	0.00	5.21	4.94
*	6.000	11.70	359.56	-0.02	-0.11	0.00	5.21	4.94
	6.000	9.90	359.37	-0.19	-0.05	0.00	1.64	4.94

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Cross- Section Number	Discharge Flow	Computed W. Elevation (m MSL)	W.S. Elev Diff per Profile (m)	W.S. Elev Diff per Section (m)	W.S. Elev Diff per Know/Comp (m)	Water Surface Top Width (m)	Channel Reach Length (m)	
SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH	
*	5.000	16.80	359.49	0.00	-0.12	0.00	5.67	5.11
*	5.000	12.50	359.44	-0.05	-0.13	0.00	5.53	5.11
*	5.000	11.70	359.44	0.00	-0.12	0.00	5.53	5.11
	5.000	9.90	359.30	-0.14	-0.07	0.00	1.64	5.11
*	4.000	16.80	359.44	0.00	-0.05	0.00	5.43	5.91
*	4.000	12.50	359.43	-0.01	-0.01	0.00	5.43	5.91
*	4.000	11.70	359.43	0.00	-0.01	0.00	5.43	5.91
	4.000	9.90	359.28	-0.15	-0.02	0.00	1.66	5.91
*	3.000	16.80	359.35	0.00	-0.09	0.00	7.98	3.94
*	3.000	12.50	359.26	-0.09	-0.17	0.00	7.98	3.94
*	3.000	11.70	359.26	0.00	-0.18	0.00	7.98	3.94
*	3.000	9.90	359.24	-0.01	-0.04	0.00	1.39	3.94
*	2.000	16.80	359.48	0.00	0.14	0.00	7.79	1.03
*	2.000	12.50	359.31	-0.17	0.05	0.00	7.79	1.03
*	2.000	11.70	359.28	-0.03	0.03	0.00	7.79	1.03
	2.000	9.90	358.68	-0.61	-0.57	0.00	4.89	1.03
*	1.000	16.80	358.98	0.00	-0.50	0.00	7.76	6.72
*	1.000	12.50	358.88	-0.10	-0.44	0.00	7.76	6.72
*	1.000	11.70	358.86	-0.02	-0.43	0.00	7.76	6.72
*	1.000	9.90	358.59	-0.27	-0.09	0.00	4.66	6.72

END OF OUTPUT