

# PIANO DI BACINO STRALCIO

per la difesa idraulica ed idrogeologica



REGIONE  
LIGURIA

## TORRENTE ARMEA E RIO FONTI

(Ambito di Bacino n° 4 – Argentina)



Autorità di Bacino  
Distrettuale  
dell'Appennino  
Settentrionale



## VERIFICHE IDRAULICHE

### *Rio Cascine*

PRIMA APPROVAZIONE DEL PIANO

Delibera del Consiglio Provinciale di Imperia n. 94 del 18/02/2004

ULTIMA MODIFICA DELL'ELABORATO

Decreto del Direttore Generale n. 708 del 09/02/2021

ENTRATA IN VIGORE

BURL n. 8 del 24/02/2021 – parte II





















































HEC-RAS Plan: AS BUILT River: TOMBINO Reach: Rio Cascine (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	LOB Elev (m)	L. Freeboard (m)	ROB Elev (m)	R. Freeboard (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Rio Cascine	68	Q50	25.60	51.40	52.31	53.60	1.29	53.60	1.29	53.27	56.25	0.099751	8.79	2.91	3.20	2.94
Rio Cascine	68	Q200	37.10	51.40	52.59	53.60	1.01	53.60	1.01	53.79	57.43	0.098631	9.74	3.81	3.20	2.85
Rio Cascine	68	Q500	44.50	51.40	52.76	53.60	0.84	53.60	0.84	54.09	58.07	0.098003	10.21	4.36	3.20	2.79
Rio Cascine	34	Q50	25.60	48.80	49.39	53.90	4.51	53.90	4.51	50.47	56.11	0.240166	11.48	2.23	3.80	4.79
Rio Cascine	34	Q200	37.10	48.80	49.60	53.90	4.30	53.90	4.30	50.93	57.28	0.203909	12.28	3.02	3.80	4.40
Rio Cascine	34	Q500	44.50	48.80	49.72	53.90	4.18	53.90	4.18	51.21	57.93	0.189746	12.69	3.51	3.80	4.22
Rio Cascine	33	Q50	25.60	48.65	49.29	52.90	3.61	52.90	3.61	50.32	54.94	0.185015	10.53	2.43	3.80	4.20
Rio Cascine	33	Q200	37.10	48.65	49.50	52.90	3.40	52.90	3.40	50.78	56.26	0.169038	11.52	3.22	3.80	4.00
Rio Cascine	33	Q500	44.50	48.65	49.63	52.90	3.27	52.90	3.27	51.06	56.97	0.161539	12.00	3.71	3.80	3.88
Rio Cascine	32	Q50	25.60	48.35	48.97	52.90	3.93	52.90	3.93	50.02	54.92	0.199911	10.80	2.37	3.80	4.37
Rio Cascine	32	Q200	37.10	48.35	49.18	52.90	3.72	52.90	3.72	50.48	56.25	0.180169	11.77	3.15	3.80	4.13
Rio Cascine	32	Q500	44.50	48.35	49.31	52.90	3.59	52.90	3.59	50.76	56.95	0.171193	12.24	3.63	3.80	4.00
Rio Cascine	29	Q50	25.60	47.84	48.54	50.04	1.50	50.04	1.50	49.51	53.20	0.138509	9.56	2.68	3.80	3.63
Rio Cascine	29	Q200	37.10	47.84	48.75	50.04	1.29	50.04	1.29	49.97	54.62	0.137539	10.73	3.46	3.80	3.59
Rio Cascine	29	Q500	44.50	47.84	48.88	50.04	1.16	50.04	1.16	50.25	55.38	0.135709	11.29	3.94	3.80	3.54
Rio Cascine	28	Q50	25.60	47.84	48.55	50.04	1.49	50.04	1.49	49.51	53.20	0.138446	9.55	2.68	3.80	3.63
Rio Cascine	28	Q200	37.10	47.84	48.75	50.04	1.29	50.04	1.29	49.97	54.62	0.137539	10.73	3.46	3.80	3.59
Rio Cascine	28	Q500	44.50	47.84	48.88	50.04	1.16	50.04	1.16	50.04	55.38	0.135709	11.29	3.94	3.80	3.54
Rio Cascine	20	Q50	25.60	47.60	48.42	49.80	1.38	49.80	1.38	49.27	51.87	0.089000	8.23	3.11	3.80	2.90
Rio Cascine	20	Q200	37.10	47.60	48.63	49.80	1.17	49.80	1.17	49.73	53.23	0.096916	9.50	3.90	3.80	2.99
Rio Cascine	20	Q500	44.50	47.60	48.76	49.80	1.04	49.80	1.04	49.80	53.98	0.099482	10.12	4.40	3.80	3.01
Rio Cascine	10	Q50	25.60	47.40	48.26	49.60	1.35	49.60	1.35	49.07	51.42	0.078458	7.88	3.25	3.80	2.72
Rio Cascine	10	Q200	37.10	47.40	48.47	49.60	1.13	49.60	1.13	49.53	52.74	0.086979	9.15	4.05	3.80	2.83
Rio Cascine	10	Q500	44.50	47.40	48.60	49.60	1.00	49.60	1.00	49.81	53.47	0.090126	9.78	4.55	3.80	2.85