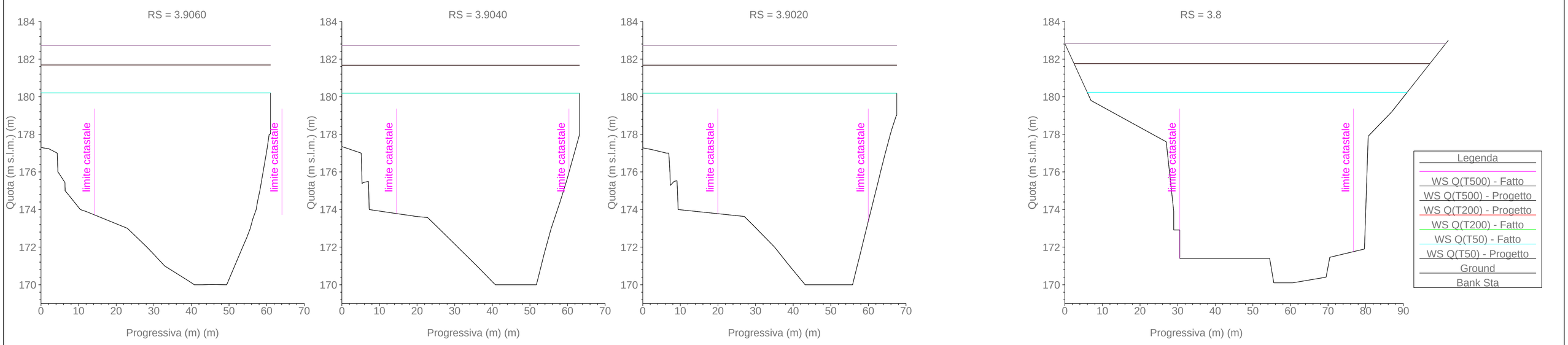
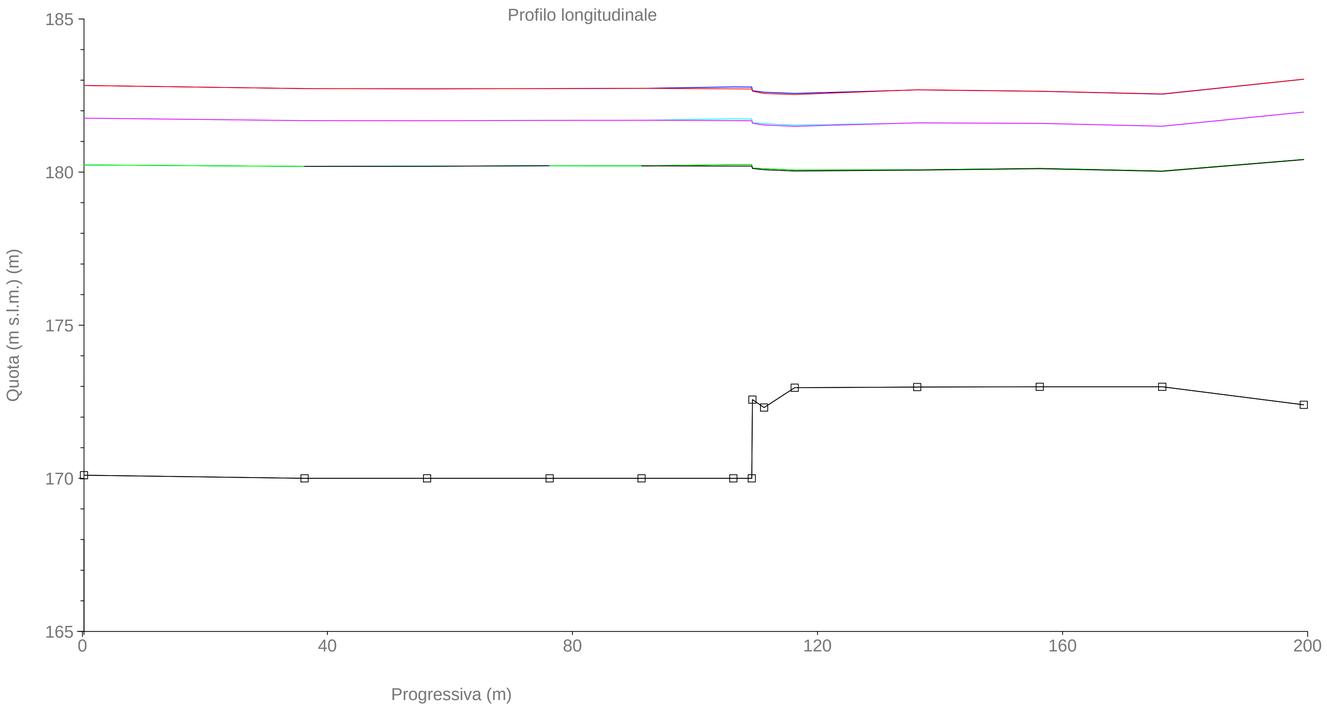
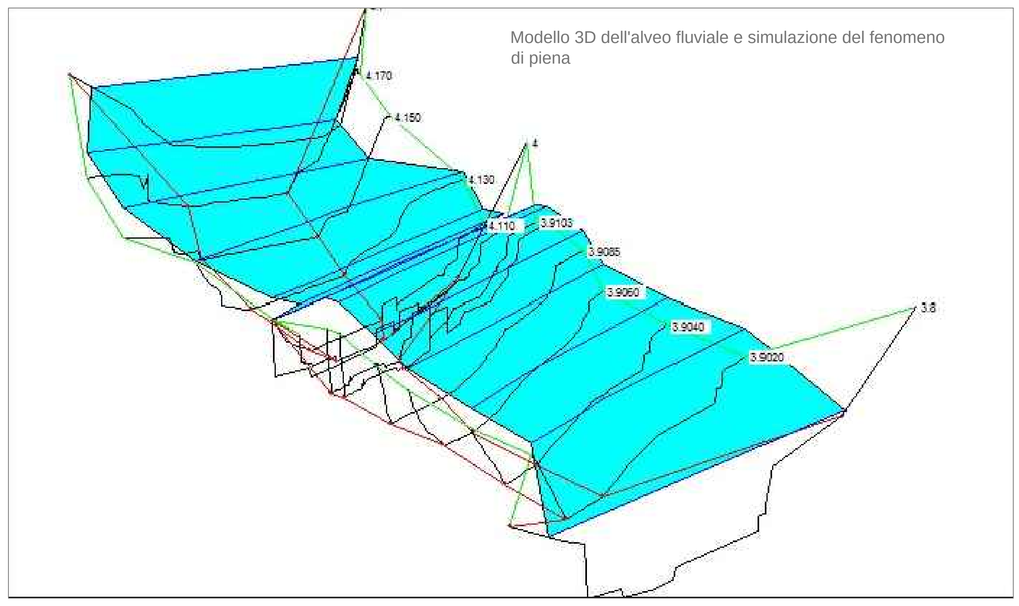
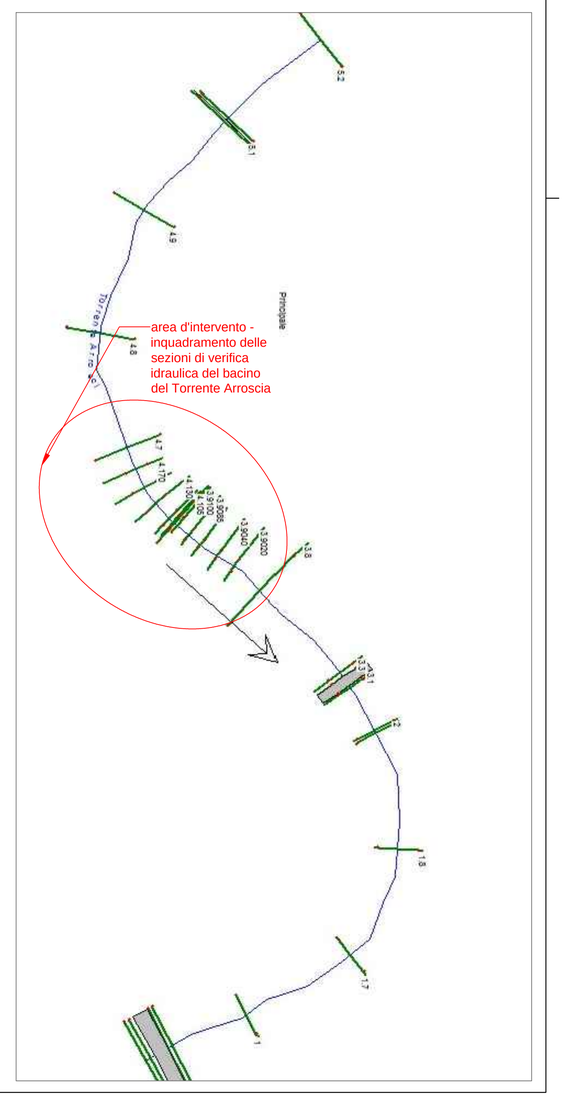










REGIONE LIGURIA
PROVINCIA DI IMPERIA
Comune di Vessalico

CENTRALE IDROELETTRICA UBICATA SUL TORRENTE ARROSCIA NEL COMUNE DI VESSALICO (IM)

Richiesta di concessione a derivare corpo idrico superficiale a scopo idroelettrico

PROGETTO DEFINITIVO

Oggetto

Verifica idraulica

Gruppo di progettazione

Dott. Ing. Paolo Gossa
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Committente

Enerclean s.r.l.

Sede: Via Papa Giovanni XXIII n°162/2
17031 Albenga (SV)
P.IVA: 01676780099

Dati progetto

CODICE LAVORO	FASE PROGETTO	TIPOLOG.DOCUMENTO	N.ELABORATO
	DF	DC	T10

ELABORATO
T.10
SCALA 1:500
1:100

REVISIONE	DATA EMISSIONE	DESCRIZIONE	REDAZIONE	CONTROLLO	APPROVAZIONE
01	DICEMBRE_2014	PRIMA EMISSIONE	Dott. Ing. Demaria	Dott. Ing. Gossa	Dott. Ing. Macario
02					

	Stato di fatto							Stato di progetto					Stato di raffronto			
River Sta	Profile	Q Total	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Froude # Chl	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area	Froude # Chl	W.S. Elev	E.G. Elev	Vel Chnl	Flow Area
		(m3/s)	(m)	(m)	(m/s)	(m2)		(m)	(m)	(m/s)	(m2)		(m)	(m)	(m/s)	(m2)
4.7	Q(T50)	989	180.4	180.8	2.62	377.1	0.34	180.4	180.8	2.63	376.6	0.34	-0.010	-0.010	0.010	-0.410
4.7	Q(T200)	1430	182	182.4	3	476.5	0.36	182	182.4	3	476.9	0.36	0.000	0.010	0.000	0.400
4.7	Q(T500)	1721	183	183.5	3.13	549.4	0.35	183	183.5	3.13	549.8	0.35	0.010	0.010	0.000	0.410
4.1700	Q(T50)	989	180	180.7	4.15	309.1	0.5	180	180.7	4.16	308.6	0.5	-0.010	-0.010	0.010	-0.470
4.1700	Q(T200)	1430	181.5	182.4	4.74	394.8	0.52	181.5	182.4	4.73	395.3	0.52	0.010	0.010	-0.010	0.440
4.1700	Q(T500)	1721	182.5	183.5	4.95	458	0.51	182.6	183.5	4.94	458.5	0.51	0.010	0.000	-0.010	0.430
4.1500	Q(T50)	989	180.1	180.6	3.56	340.3	0.43	180.1	180.6	3.56	339.8	0.43	-0.010	0.000	0.000	-0.460
4.1500	Q(T200)	1430	181.6	182.3	4.13	428.5	0.45	181.6	182.3	4.13	429	0.45	0.000	0.000	0.000	0.430
4.1500	Q(T500)	1721	182.6	183.4	4.35	493	0.45	182.6	183.4	4.35	493.5	0.45	0.000	0.010	0.000	0.430
4.1300	Q(T50)	989	180.1	180.6	3.74	341.4	0.45	180.1	180.6	3.75	340.8	0.45	-0.010	-0.010	0.010	-0.610
4.1300	Q(T200)	1430	181.6	182.2	4.1	450.6	0.45	181.6	182.2	4.09	451.1	0.45	0.010	0.000	-0.010	0.510
4.1300	Q(T500)	1721	182.7	183.4	4.21	527.2	0.43	182.7	183.4	4.21	528.2	0.43	0.010	0.000	0.000	0.500
4.1100	Q(T50)	989	180.1	180.6	3.73	334.9	0.45	180	180.6	3.89	328.3	0.47	-0.040	0.000	0.160	-6.600
4.1100	Q(T200)	1430	181.5	182.2	4.28	423	0.47	181.5	182.2	4.45	416.1	0.49	-0.040	0.000	0.170	-6.860
4.1100	Q(T500)	1721	182.6	183.3	4.51	485.3	0.46	182.5	183.3	4.67	478.5	0.48	-0.040	0.000	0.160	-6.810
4.1050	Q(T50)	989	180.1	180.6	3.69	360.1	0.42	180.1	180.6	3.8	355.7	0.44	-0.020	0.000	0.110	-4.380
4.1050	Q(T200)	1430	181.6	182.2	4.3	446.7	0.45	181.6	182.2	4.41	442.1	0.46	-0.030	-0.010	0.110	-4.600
4.1050	Q(T500)	1721	182.6	183.3	4.56	507.7	0.45	182.6	183.3	4.68	503.1	0.47	-0.030	0.000	0.120	-4.570
4	Q(T50)	989	180.1	180.6	2.9	350.9	0.37	180.1	180.5	2.84	357	0.36	0.000	-0.010	-0.060	6.130
4	Q(T200)	1430	181.6	182.2	3.35	443.5	0.38	181.6	182.2	3.3	449.5	0.38	0.000	-0.020	-0.050	6.040
4	Q(T500)	1721	182.7	183.3	3.52	511.3	0.38	182.7	183.3	3.48	517.3	0.37	-0.010	-0.020	-0.040	6.050
3.9103	Q(T50)	989	180.2	180.5	2.61	467.3	0.26	180.2	180.5	2.94	440.1	0.3	-0.050	0.010	0.330	-27.14
3.9103	Q(T200)	1430	181.7	182.1	3.15	558.3	0.3	181.7	182.1	3.52	530.4	0.33	-0.070	0.010	0.370	-27.90
3.9103	Q(T500)	1721	182.8	183.2	3.4	621.7	0.31	182.7	183.2	3.78	593.6	0.34	-0.070	0.010	0.380	-28.08
3.9100	Q(T50)	989	180.3	180.5	2.62	467.4	0.27	180.2	180.5	2.92	445.9	0.3	-0.050	0.000	0.300	-21.45
3.9100	Q(T200)	1430	181.7	182.1	3.15	558.4	0.3	181.7	182.1	3.49	536.3	0.33	-0.060	0.010	0.340	-22.07
3.9100	Q(T500)	1721	182.8	183.2	3.4	621.9	0.31	182.7	183.2	3.75	599.7	0.34	-0.060	0.010	0.350	-22.22
3.9085	Q(T50)	989	180.2	180.5	2.91	459.3	0.29	180.2	180.5	2.91	459.3	0.29	0.000	0.000	0.000	0.000
3.9085	Q(T200)	1430	181.7	182.1	3.46	554	0.32	181.7	182.1	3.46	554	0.32	0.000	0.000	0.000	0.000
3.9085	Q(T500)	1721	182.7	183.2	3.72	620.3	0.33	182.7	183.2	3.72	620.3	0.33	0.000	0.000	0.000	0.000
3.9060	Q(T50)	989	180.2	180.5	3.01	455.4	0.3	180.2	180.5	3.01	455.4	0.3	0.000	0.000	0.000	0.000
3.9060	Q(T200)	1430	181.7	182.1	3.62	546	0.34	181.7	182.1	3.62	546	0.34	0.000	0.000	0.000	0.000
3.9060	Q(T500)	1721	182.7	183.2	3.91	609.3	0.35	182.7	183.2	3.91	609.3	0.35	0.000	0.000	0.000	0.000
3.9040	Q(T50)	989	180.2	180.5	3.05	457.6	0.3	180.2	180.5	3.05	457.6	0.3	0.000	0.000	0.000	0.000
3.9040	Q(T200)	1430	181.7	182.1	3.64	551.5	0.34	181.7	182.1	3.64	551.5	0.34	0.000	0.000	0.000	0.000
3.9040	Q(T500)	1721	182.7	183.2	3.91	617.3	0.35	182.7	183.2	3.91	617.3	0.35	0.000	0.000	0.000	0.000
3.9020	Q(T50)	989	180.2	180.5	2.95	471.9	0.3	180.2	180.5	2.95	471.9	0.3	0.000	0.000	0.000	0.000
3.9020	Q(T200)	1430	181.7	182.1	3.49	572.7	0.33	181.7	182.1	3.49	572.7	0.33	0.000	0.000	0.000	0.000
3.9020	Q(T500)	1721	182.7	183.2	3.74	643.4	0.33	182.7	183.2	3.74	643.4	0.33	0.000	0.000	0.000	0.000
3.8	Q(T50)	989	180.2	180.4	1.91	518.7	0.25	180.2	180.4	1.91	518.7	0.25	0.000	0.000	0.000	0.000
3.8	Q(T200)	1430	181.8	182	2.19	655.7	0.26	181.8	182	2.19	655.7	0.26	0.000	0.000	0.000	0.000
3.8	Q(T500)	1721	182.8	183.1	2.29	760.5	0.26	182.8	183.1	2.29	760.5	0.26	0.000	0.000	0.000	0.000