

**PROVINCIA DI PISTOIA
COMUNE DI PONTE BUGGIANESE**



PROGETTO:

INDAGINI GEOLOGICHE, IDRAULICHE E DEL RISCHIO SISMICO A SUPPORTO
DELLA REDAZIONE DELLA PRIMA VARIANTE AL PIANO STRUTTURALE

OGGETTO:

**INDAGINI IDRAULICHE
CARATTERISTICHE DEL MODELLO IDRAULICO**

ELABORATO:

AI01

REV:

00

DATA:

Marzo 2013

SCALA:

-

NUMERO COMMESSA:

L604

NOME FILE:

AI01.pdf

ATI:



Via Bonifacio Lupi, 1
50129 - Firenze
Tel. 055484206, Fax 0554626342

*Mannori & Burchietti
Geologi Associati*

Largo San Biagio, 149
51100 - Pistoia
Tel. 0573368448, Fax 057324355

PROGETTISTA:

Dott. Ing. David Settesoldi

COMMITTENTE:

Comune di Ponte Buggianese
Piazza Santuario, 1
51019 - Ponte Buggianese

COLLABORATORI:

Dott. Geol. Silvia Angelini

02			
01			
00	06/03/13	PRIMA EMISSIONE	
REV.	DATA	DESCRIZIONE MODIFICHE	

INDICE

Caratteristiche delle aree di potenziale esondazione modello idraulico - Stato Attuale.....	2
Caratteristiche delle connessioni idrauliche modello idraulico - Stato Attuale	4
Caratteristiche delle portelle di collegamento modello idraulico - Stato Attuale	15
Caratteristiche delle idrovore modello idraulico - Stato Attuale	17

**Caratteristiche delle aree di potenziale esondazione
modello idraulico - Stato Attuale**

CODICE Cassa	Y₀	A	B
APE0237B	18.37	3141.39	2.04

Caratteristiche delle connessioni idrauliche
modello idraulico - Stato Attuale

CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2	CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2
PE1083_A-APE_BIDI	PE1083_A-APE_BIDI	102.00	19.97	0.40	0.65	VE0050_-APE_BIDI	VE0050_-APE_BIDI	62.40	16.90	0.40	0.65
PE1197_A-APE0586_	PE1197_A-APE0586_.dhy	3.90	15.96	0.40	0.65	VE0055_-APE_BIDI	VE0055_-APE_BIDI	73.20	17.80	0.40	0.65
PE1132_A-APE_BIDI	PE1132_A-APE_BIDI	7.88	18.10	0.40	0.65	VE0060_-APE_BIDI	VE0060_-APE_BIDI	85.20	15.96	0.40	0.65
PE1093_A-APE_BIDI	PE1093_A-APE_BIDI	30.00	19.28	0.40	0.65	VE0065_-APE_BIDI	VE0065_-APE_BIDI	112.20	15.91	0.40	0.65
PE1102_A-APE_BIDI	PE1102_A-APE_BIDI	28.50	20.60	0.40	0.65	VE0070_-APE_BIDI	VE0070_-APE_BIDI	108.60	16.03	0.40	0.65
PE1053_A-APE_BIDI	PE1053_A-APE_BIDI	96.00	20.25	0.40	0.65	VE0075_-APE_BIDI	VE0075_-APE_BIDI	82.80	15.98	0.40	0.65
PE1066_A-APE_BIDI	PE1066_A-APE_BIDI	16.50	20.92	0.40	0.65	VE0080_-APE_BIDI	VE0080_-APE_BIDI	94.20	15.88	0.40	0.65
PE1017_A-APE_BIDI	PE1017_A-APE_BIDI	57.00	21.99	0.40	0.65	VE0085_-APE0586_	VE0085_-APE0586_.dhy	37.20	15.96	0.40	0.65
GM1177_A-APE0202_	GM1177_A-APE0202_.dhy	6.75	23.68	0.40	0.65	VE0090_-APE0586_	VE0090_-APE0586_.dhy	16.20	15.83	0.40	0.65
GM1197_A-APE_BIDI	GM1197_A-APE_BIDI	16.50	23.15	0.40	0.65	VE0095_-APE0586_	VE0095_-APE0586_.dhy	29.10	15.09	0.40	0.65
GM1212_A-APE_BIDI	GM1212_A-APE_BIDI	9.00	23.16	0.40	0.65	VE0100_-APE0588_	VE0100_-APE0588_.dhy	15.45	14.90	0.40	0.65
PE0005S_-APE_BIDI	PE0005S_-APE_BIDI	0.75	21.74	0.40	0.65	VE1007_A-APE_BIDI	VE1007_A-APE_BIDI	103.50	16.68	0.40	0.65
PE1007_A-APE_BIDI	PE1007_A-APE_BIDI	1.50	23.32	0.40	0.65	VE1017_A-APE_BIDI	VE1017_A-APE_BIDI	16.50	16.76	0.40	0.65
PP1405_-APE_BIDI	PP1405_-APE_BIDI	187.20	16.17	0.40	0.65	VE1009_A-APE_BIDI	VE1009_A-APE_BIDI	22.50	16.73	0.40	0.65
PP1395_A-APE_BIDI	PP1395_A-APE_BIDI	111.00	18.19	0.40	0.65	VE1019_A-APE_BIDI	VE1019_A-APE_BIDI	60.00	16.89	0.40	0.65
PP1375_A-APE_BIDI	PP1375_A-APE_BIDI	45.00	18.52	0.40	0.65	VE1006_A-APE_BIDI	VE1006_A-APE_BIDI	33.00	16.73	0.40	0.65
PP1350_A-APE_BIDI	PP1350_A-APE_BIDI	67.50	19.99	0.40	0.65	VE1002_D-APE_BIDI	VE1002_D-APE_BIDI	3.00	17.53	0.40	0.65
PP1325_A-APE_BIDI	PP1325_A-APE_BIDI	37.50	19.64	0.40	0.65	VE1016_A-APE_BIDI	VE1016_A-APE_BIDI	22.50	16.92	0.40	0.65
PP1270_A-APE_BIDI	PP1270_A-APE_BIDI	28.50	20.57	0.40	0.65	VE1037_A-APE_BIDI	VE1037_A-APE_BIDI	36.00	16.84	0.40	0.65
PP1280_A-APE_BIDI	PP1280_A-APE_BIDI	51.00	21.35	0.40	0.65	VE1082_A-APE_BIDI	VE1082_A-APE_BIDI	26.10	15.67	0.40	0.65
PP1220_A-APE_BIDI	PP1220_A-APE_BIDI	61.50	22.38	0.40	0.65	VE1088_A-APE0586_	VE1088_A-APE0586_.dhy	15.15	15.91	0.40	0.65
PP1205_A-APE_BIDI	PP1205_A-APE_BIDI	45.00	23.81	0.40	0.65	VE1097_A-APE0588_	VE1097_A-APE0588_.dhy	14.70	14.78	0.40	0.65
PP1185_A-APE0178_	PP1185_A-APE0178_.dhy	52.50	23.24	0.40	0.65	VE1105_-APE0588_	VE1105_-APE0588_.dhy	29.70	13.97	0.40	0.65
PP1195_A-APE0178_	PP1195_A-APE0178_.dhy	6.75	25.69	0.40	0.65	BO0185_-APE0700_	BO0185_-APE0700_.dhy	42.75	19.87	0.40	0.65
PP1170_-APE0050_	PP1170_-APE0050_.dhy	60.00	23.47	0.40	0.65	BO0190_-APE0700_	BO0190_-APE0700_.dhy	10.20	19.70	0.40	0.65
PP1150_-APE0048_	PP1150_-APE0048_.dhy	54.75	24.28	0.40	0.65	BO0235_-APE0700_	BO0235_-APE0700_.dhy	20.70	17.95	0.40	0.65
PP1160_-APE0052_	PP1160_-APE0052_.dhy	64.50	24.03	0.40	0.65	BO0230_-APE0700_	BO0230_-APE0700_.dhy	21.00	17.89	0.40	0.65
PP1135_-APE0182_	PP1135_-APE0182_.dhy	51.75	25.04	0.40	0.65	BO0225_-APE0700_	BO0225_-APE0700_.dhy	21.00	17.98	0.40	0.65
PP1115_-APE0182_	PP1115_-APE0182_.dhy	56.25	25.29	0.40	0.65	BO0215_-APE0700_	BO0215_-APE0700_.dhy	20.70	18.03	0.40	0.65
PP1125_A-APE0182_	PP1125_A-APE0182_.dhy	18.00	25.68	0.40	0.65	BO0220_-APE0700_	BO0220_-APE0700_.dhy	21.00	18.13	0.40	0.65
PP1095_-APE0064_	PP1095_-APE0064_.dhy	79.50	27.24	0.40	0.65	BO0260_-APE0592_	BO0260_-APE0592_.dhy	16.20	17.44	0.40	0.65
PP1085_-APE0046_	PP1085_-APE0046_.dhy	68.25	28.60	0.40	0.65	BO0250_-APE0592_	BO0250_-APE0592_.dhy	20.40	17.67	0.40	0.65
PP1075_-APE0046_	PP1075_-APE0046_.dhy	54.75	28.30	0.40	0.65	BO0245_-APE0592_	BO0245_-APE0592_.dhy	20.10	17.60	0.40	0.65
SB1080_A-APE1190_	SB1080_A-APE1190_.dhy	3.60	16.23	0.40	0.65	BO0240_-APE0592_	BO0240_-APE0592_.dhy	20.10	17.91	0.40	0.65
SB1053_A-APE_BIDI	SB1053_A-APE_BIDI	11.93	16.21	0.40	0.65	BO0255_-APE0592_	BO0255_-APE0592_.dhy	18.60	17.55	0.40	0.65
SB1022_A-APE_BIDI	SB1022_A-APE_BIDI	22.50	16.57	0.40	0.65	BO0265_-APE0592_	BO0265_-APE0592_.dhy	21.00	17.18	0.40	0.65
SB1024_A-APE_BIDI	SB1024_A-APE_BIDI	25.50	17.59	0.40	0.65	BO0270_-APE0592_	BO0270_-APE0592_.dhy	23.10	17.34	0.40	0.65
SB1027_A-APE_BIDI	SB1027_A-APE_BIDI	9.00	17.09	0.40	0.65	MC1430_-APE_BIDI	MC1430_-APE_BIDI	32.55	15.88	0.40	0.65
SB1017_A-APE0614_	SB1017_A-APE0614_.dhy	12.75	17.25	0.40	0.65	PC0086_A-APE0214_	PC0086_A-APE0214_.dhy	8.25	20.89	0.40	0.65
MC0195_-APE_BIDI	MC0195_-APE_BIDI	17.25	19.05	0.40	0.65	PC0083_A-APE_BIDI	PC0083_A-APE_BIDI	0.75	20.92	0.40	0.65
SB0070_-APE_BIDI	SB0070_-APE_BIDI	35.33	15.69	0.40	0.65	PC0081_-APE_BIDI	PC0081_-APE_BIDI	29.25	21.44	0.40	0.65
SB0075_-APE_BIDI	SB0075_-APE_BIDI	20.03	14.60	0.40	0.65	PC0080_-APE_BIDI	PC0080_-APE_BIDI	26.25	21.48	0.40	0.65

CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2	CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2
SB0065__-APE_BIDI	SB0065__-APE_BIDI	36.90	15.21	0.40	0.65	PC0079__-APE_BIDI	PC0079__-APE_BIDI	27.75	21.51	0.40	0.65
SB0060__-APE_BIDI	SB0060__-APE_BIDI	33.53	15.46	0.40	0.65	PC0078__-APE_BIDI	PC0078__-APE_BIDI	30.75	21.21	0.40	0.65
SB0050__-APE_BIDI	SB0050__-APE_BIDI	0.45	15.70	0.40	0.65	PC0077__-APE_BIDI	PC0077__-APE_BIDI	29.25	21.28	0.40	0.65
SB0055__-APE_BIDI	SB0055__-APE_BIDI	30.38	15.68	0.40	0.65	PC0076__-APE_BIDI	PC0076__-APE_BIDI	28.50	21.35	0.40	0.65
SB0045__-APE_BIDI	SB0045__-APE_BIDI	31.95	15.75	0.40	0.65	PC0075__-APE_BIDI	PC0075__-APE_BIDI	30.00	21.52	0.40	0.65
SB0040__-APE_BIDI	SB0040__-APE_BIDI	41.18	16.51	0.40	0.65	PC0074__-APE_BIDI	PC0074__-APE_BIDI	31.50	21.65	0.40	0.65
SB0035__-APE_BIDI	SB0035__-APE_BIDI	43.65	17.37	0.40	0.65	PC0073__-APE_BIDI	PC0073__-APE_BIDI	31.50	21.09	0.40	0.65
SB0030__-APE_BIDI	SB0030__-APE_BIDI	45.90	16.75	0.40	0.65	PC0072__-APE_BIDI	PC0072__-APE_BIDI	28.50	21.22	0.40	0.65
SB0025__-APE_BIDI	SB0025__-APE_BIDI	46.50	16.54	0.40	0.65	PC0071__-APE_BIDI	PC0071__-APE_BIDI	25.50	20.93	0.40	0.65
SB0020__-APE_BIDI	SB0020__-APE_BIDI	69.75	17.07	0.40	0.65	PC0070__-APE_BIDI	PC0070__-APE_BIDI	24.75	20.63	0.40	0.65
PP0300__-APE_BIDI	PP0300__-APE_BIDI	178.50	20.45	0.40	0.65	PC0069__-APE_BIDI	PC0069__-APE_BIDI	25.50	20.78	0.40	0.65
PP0295__-APE_BIDI	PP0295__-APE_BIDI	198.00	21.13	0.40	0.65	PC0068__-APE_BIDI	PC0068__-APE_BIDI	28.50	20.85	0.40	0.65
PP0290__-APE_BIDI	PP0290__-APE_BIDI	145.50	21.57	0.40	0.65	PC0067__-APE_BIDI	PC0067__-APE_BIDI	32.25	20.93	0.40	0.65
PP0285__-APE_BIDI	PP0285__-APE_BIDI	156.00	21.23	0.40	0.65	PC0065_A-APE_BIDI	PC0065_A-APE_BIDI	18.00	20.64	0.40	0.65
PP0265__-APE_BIDI	PP0265__-APE_BIDI	52.50	21.34	0.40	0.65	PC0063__-APE_BIDI	PC0063__-APE_BIDI	12.75	20.89	0.40	0.65
PP0260__-APE_BIDI	PP0260__-APE_BIDI	166.50	21.30	0.40	0.65	PC0027__-APE_BIDI	PC0027__-APE_BIDI	84.00	18.99	0.40	0.65
PP0255__-APE_BIDI	PP0255__-APE_BIDI	268.50	21.57	0.40	0.65	PC0026__-APE_BIDI	PC0026__-APE_BIDI	108.00	19.12	0.40	0.65
PP0250__-APE_BIDI	PP0250__-APE_BIDI	225.00	20.43	0.40	0.65	PC0025__-APE_BIDI	PC0025__-APE_BIDI	98.25	18.90	0.40	0.65
PP0245__-APE_BIDI	PP0245__-APE_BIDI	181.50	21.02	0.40	0.65	PC0024__-APE_BIDI	PC0024__-APE_BIDI	87.00	18.96	0.40	0.65
PP0240__-APE_BIDI	PP0240__-APE_BIDI	207.00	21.01	0.40	0.65	PC0023__-APE_BIDI	PC0023__-APE_BIDI	78.75	18.83	0.40	0.65
PP0235__-APE_BIDI	PP0235__-APE_BIDI	237.00	21.31	0.40	0.65	PC0022__-APE_BIDI	PC0022__-APE_BIDI	87.00	18.95	0.40	0.65
PP0230__-APE_BIDI	PP0230__-APE_BIDI	253.50	21.09	0.40	0.65	PC0021__-APE_BIDI	PC0021__-APE_BIDI	105.75	18.57	0.40	0.65
PP0225__-APE_BIDI	PP0225__-APE_BIDI	225.00	21.63	0.40	0.65	PC0020__-APE_BIDI	PC0020__-APE_BIDI	104.25	17.89	0.40	0.65
PP0215__-APE_BIDI	PP0215__-APE_BIDI	96.00	21.92	0.40	0.65	PC0019__-APE_BIDI	PC0019__-APE_BIDI	123.00	18.06	0.40	0.65
PP0210__-APE_BIDI	PP0210__-APE_BIDI	52.50	22.37	0.40	0.65	PC0018__-APE_BIDI	PC0018__-APE_BIDI	156.00	17.64	0.40	0.65
PP0200__-APE_BIDI	PP0200__-APE_BIDI	106.50	22.39	0.40	0.65	PC0017__-APE_BIDI	PC0017__-APE_BIDI	171.00	17.79	0.40	0.65
PP0190__-APE0178__	PP0190__-APE0178__dhy	21.00	22.67	0.40	0.65	PC0016__-APE_BIDI	PC0016__-APE_BIDI	157.50	17.14	0.40	0.65
PP0180__-APE0050__	PP0180__-APE0050__dhy	105.00	23.26	0.40	0.65	PC0015__-APE_BIDI	PC0015__-APE_BIDI	65.25	17.67	0.40	0.65
PP0175__-APE0050__	PP0175__-APE0050__dhy	86.25	23.58	0.40	0.65	PC0013_A-APE_BIDI	PC0013_A-APE_BIDI	0.75	17.67	0.40	0.65
PP0165__-APE0050__	PP0165__-APE0050__dhy	81.75	23.75	0.40	0.65	PC0011__-APE_BIDI	PC0011__-APE_BIDI	62.25	17.52	0.40	0.65
PP0155__-APE0048__	PP0155__-APE0048__dhy	21.00	24.10	0.40	0.65	PC0010__-APE_BIDI	PC0010__-APE_BIDI	25.20	16.83	0.40	0.65
PP0145__-APE0048__	PP0145__-APE0048__dhy	95.25	24.35	0.40	0.65	PC0009__-APE_BIDI	PC0009__-APE_BIDI	21.75	16.68	0.40	0.65
PP0140__-APE0048__	PP0140__-APE0048__dhy	66.00	24.83	0.40	0.65	PC0008__-APE_BIDI	PC0008__-APE_BIDI	14.10	15.87	0.40	0.65
PP0130__-APE0182__	PP0130__-APE0182__dhy	61.50	25.16	0.40	0.65	PC0007__-APE_BIDI	PC0007__-APE_BIDI	19.50	15.84	0.40	0.65
PP0120__-APE0182__	PP0120__-APE0182__dhy	39.75	25.26	0.40	0.65	PC0006__-APE_BIDI	PC0006__-APE_BIDI	23.85	15.30	0.40	0.65
PP0110__-APE0180__	PP0110__-APE0180__dhy	102.75	25.70	0.40	0.65	PC0005__-APE_BIDI	PC0005__-APE_BIDI	9.60	15.12	0.40	0.65
PP0105__-APE0180__	PP0105__-APE0180__dhy	139.50	26.16	0.40	0.65	PC0003_A-APE0788__	PC0003_A-APE0788__dhy	0.15	15.68	0.40	0.65
PP0100__-APE0180__	PP0100__-APE0180__dhy	96.75	27.27	0.40	0.65	PC0001__-APE0788__	PC0001__-APE0788__dhy	67.35	15.68	0.40	0.65
PP0090__-APE0046__	PP0090__-APE0046__dhy	75.00	27.86	0.40	0.65	PP1060__-APE0202__	PP1060__-APE0202__dhy	66.00	29.09	0.40	0.65
PP0080__-APE0046__	PP0080__-APE0046__dhy	84.75	27.74	0.40	0.65	GM0185B__-APE0140__	GM0185B__-APE0140__dhy	14.25	23.58	0.40	0.65
PP0070__-APE_BIDI	PP0070__-APE_BIDI	60.00	28.35	0.40	0.65	BO0195__-APE0700__	BO0195__-APE0700__dhy	9.60	19.76	0.40	0.65
PP0065__-APE0044__	PP0065__-APE0044__dhy	87.00	28.80	0.40	0.65	BO0200__-APE0700__	BO0200__-APE0700__dhy	18.00	18.40	0.40	0.65

CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2	CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2
PP0390__-APE_BIDI	PP0390__-APE_BIDI	247.50	17.66	0.40	0.65	BO0205__-APE0700__	BO0205__-APE0700__dhy	21.60	18.30	0.40	0.65
PP0400__-APE_BIDI	PP0400__-APE_BIDI	181.50	16.52	0.40	0.65	BO0210__-APE0700__	BO0210__-APE0700__dhy	21.00	18.10	0.40	0.65
PP0385__-APE_BIDI	PP0385__-APE_BIDI	237.00	17.95	0.40	0.65	MC0193_A-APE0176__	MC0193_A-APE0176__dhy	1.50	20.03	0.40	0.65
PP0380__-APE_BIDI	PP0380__-APE_BIDI	127.50	18.23	0.40	0.65	PM0115_A-APE0046__	PM0115_A-APE0046__dhy	2.25	26.35	0.40	0.65
PP0370__-APE_BIDI	PP0370__-APE_BIDI	139.50	18.49	0.40	0.65	CE1125V_-APE0570__	CE1125V_-APE0570__dhy	39.00	19.03	0.40	0.65
PP0365__-APE_BIDI	PP0365__-APE_BIDI	193.50	18.60	0.40	0.65	APE_BIDI-APE0214__03	APE_BIDI-APE0214__dhy	0.00	19.83	0.40	0.65
PP0360__-APE_BIDI	PP0360__-APE_BIDI	186.00	18.87	0.40	0.65	APE_BIDI-APE0214__01	APE_BIDI-APE0214__dhy	0.00	21.50	0.40	0.65
PP0355__-APE_BIDI	PP0355__-APE_BIDI	126.00	18.87	0.40	0.65	APE0202_-APE_BIDI_01	APE_BIDI-APE0202__dhy	32.75	23.46	0.40	0.65
PP0345__-APE_BIDI	PP0345__-APE_BIDI	166.50	19.28	0.40	0.65	APE0176_-APE_BIDI_01	APE_BIDI-APE0176__dhy	0.00	20.30	0.40	0.65
PP0340__-APE_BIDI	PP0340__-APE_BIDI	199.50	19.09	0.40	0.65	APE0578_-APE_BIDI_01	APE_BIDI-APE0578__dhy	56.00	16.60	0.40	0.65
PP0335__-APE_BIDI	PP0335__-APE_BIDI	201.00	19.51	0.40	0.65	APE_BIDI-APE0178__01	APE_BIDI-APE0178__dhy	0.00	20.30	0.40	0.65
PP0330__-APE_BIDI	PP0330__-APE_BIDI	199.50	19.93	0.40	0.65	APE_BIDI-APE0794__01	APE_BIDI-APE0794__dhy	50.00	15.32	0.40	0.65
PP0320__-APE_BIDI	PP0320__-APE_BIDI	168.00	19.92	0.40	0.65	APE_BIDI-APE0794__08	APE_BIDI-APE0794__dhy	50.00	16.02	0.40	0.65
PP0315__-APE_BIDI	PP0315__-APE_BIDI	226.50	20.07	0.40	0.65	APE_BIDI-APE0794__14	APE_BIDI-APE0794__dhy	50.00	16.08	0.40	0.65
PP0310__-APE_BIDI	PP0310__-APE_BIDI	118.50	20.77	0.40	0.65	APE_BIDI-APE0792__	APE_BIDI-APE0792__dhy	57.75	16.07	0.40	0.65
PP0305__-APE_BIDI	PP0305__-APE_BIDI	64.50	20.58	0.40	0.65	APE0800_-APE_BIDI_01	APE_BIDI-APE0800__dhy	70.00	16.18	0.40	0.65
MC1445_A-APE0788__	MC1445_A-APE0788__dhy	1.35	15.03	0.40	0.65	APE_BIDI-APE0772__01	APE_BIDI-APE0772__dhy	65.00	15.45	0.40	0.65
MC1440__-APE_BIDI	MC1440__-APE_BIDI	24.45	15.72	0.40	0.65	APE0788_-APE_BIDI	APE_BIDI-APE0788__dhy	68.25	15.18	0.40	0.65
MC1435_A-APE_BIDI	MC1435_A-APE_BIDI	16.95	16.22	0.40	0.65	APE_BIDI-APE0612__	APE_BIDI-APE0612__dhy	99.75	16.00	0.40	0.65
PE0195__-APE_BIDI	PE0195__-APE_BIDI	7.50	16.45	0.40	0.65	APE_BIDI-APE0237B	APE_BIDI-APE0237B	211.00	20.80	0.40	0.65
PE0190__-APE_BIDI	PE0190__-APE_BIDI	22.50	16.72	0.40	0.65	CA2001D_-APE_BIDI	CA2001D_-APE_BIDI	25.00	16.04	0.40	0.65
PE0185__-APE_BIDI	PE0185__-APE_BIDI	136.13	17.21	0.40	0.65	CA2001D_-APE_BIDI	CA2001D_-APE_BIDI	25.00	16.10	0.40	0.65
PE0180__-APE_BIDI	PE0180__-APE_BIDI	132.75	17.15	0.40	0.65	CA2002A_-APE_BIDI	CA2002A_-APE_BIDI	50.00	15.58	0.40	0.65
PE0170__-APE_BIDI	PE0170__-APE_BIDI	138.38	17.51	0.40	0.65	CA2002A_-APE_BIDI	CA2002A_-APE_BIDI	50.00	16.06	0.40	0.65
PE0165__-APE_BIDI	PE0165__-APE_BIDI	147.38	18.15	0.40	0.65	CA2003A_-APE_BIDI	CA2003A_-APE_BIDI	28.20	15.75	0.40	0.65
PE0160__-APE_BIDI	PE0160__-APE_BIDI	150.75	18.29	0.40	0.65	CA2003A_-APE_BIDI	CA2003A_-APE_BIDI	28.20	15.79	0.40	0.65
PE0155__-APE_BIDI	PE0155__-APE_BIDI	154.13	18.12	0.40	0.65	CA2004D_-APE_BIDI	CA2004D_-APE_BIDI	7.20	16.62	0.40	0.65
PE0150__-APE_BIDI	PE0150__-APE_BIDI	153.00	18.41	0.40	0.65	CA2004D_-APE_BIDI	CA2004D_-APE_BIDI	7.20	16.21	0.40	0.65
PE0145__-APE_BIDI	PE0145__-APE_BIDI	149.63	18.71	0.40	0.65	CA2005A_-APE_BIDI	CA2005A_-APE_BIDI	10.40	15.91	0.40	0.65
PE0140__-APE_BIDI	PE0140__-APE_BIDI	150.75	18.76	0.40	0.65	CA2005A_-APE_BIDI	CA2005A_-APE_BIDI	10.40	15.60	0.40	0.65
PE0135__-APE_BIDI	PE0135__-APE_BIDI	78.75	18.72	0.40	0.65	CA2006__-APE_BIDI	CA2006__-APE_BIDI	27.60	16.43	0.40	0.65
PE0120__-APE_BIDI	PE0120__-APE_BIDI	178.50	19.02	0.40	0.65	CA2006__-APE_BIDI	CA2006__-APE_BIDI	27.60	15.63	0.40	0.65
PE0130__-APE_BIDI	PE0130__-APE_BIDI	84.00	18.44	0.40	0.65	CA2007__-APE_BIDI	CA2007__-APE_BIDI	42.00	15.86	0.40	0.65
PE0125__-APE_BIDI	PE0125__-APE_BIDI	153.00	18.78	0.40	0.65	CA2007__-APE_BIDI	CA2007__-APE_BIDI	42.00	15.18	0.40	0.65
PE0115__-APE_BIDI	PE0115__-APE_BIDI	201.00	18.96	0.40	0.65	CA2008A_-APE_BIDI	CA2008A_-APE_BIDI	68.00	15.97	0.40	0.65
PE0110__-APE_BIDI	PE0110__-APE_BIDI	201.00	19.36	0.40	0.65	CA2008A_-APE_BIDI	CA2008A_-APE_BIDI	68.00	15.85	0.40	0.65
PE0105__-APE_BIDI	PE0105__-APE_BIDI	133.50	19.15	0.40	0.65	FP2001D_-APE_BIDI	FP2001D_-APE_BIDI	37.00	16.20	0.40	0.65
PE0100__-APE_BIDI	PE0100__-APE_BIDI	126.00	19.32	0.40	0.65	FP2001D_-APE_BIDI	FP2001D_-APE_BIDI	37.00	16.49	0.40	0.65
PE0095__-APE_BIDI	PE0095__-APE_BIDI	121.50	19.81	0.40	0.65	FP2002__-APE_BIDI	FP2002__-APE_BIDI	82.00	15.82	0.40	0.65
PE0090__-APE_BIDI	PE0090__-APE_BIDI	70.50	18.93	0.40	0.65	FP2002__-APE_BIDI	FP2002__-APE_BIDI	82.00	16.71	0.40	0.65
PE0085__-APE_BIDI	PE0085__-APE_BIDI	67.50	19.86	0.40	0.65	FP2003A_-APE_BIDI	FP2003A_-APE_BIDI	73.00	15.94	0.40	0.65
PE0080__-APE_BIDI	PE0080__-APE_BIDI	199.50	19.86	0.40	0.65	FP2003A_-APE_BIDI	FP2003A_-APE_BIDI	73.00	16.07	0.40	0.65

CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2	CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2
PE0075__-APE_BIDI	PE0075__-APE_BIDI	205.50	19.86	0.40	0.65	FP2004A_-APE_BIDI	FP2004A_-APE_BIDI	46.00	15.94	0.40	0.65
PE0070__-APE_BIDI	PE0070__-APE_BIDI	148.50	19.86	0.40	0.65	FP2004A_-APE_BIDI	FP2004A_-APE_BIDI	46.00	16.10	0.40	0.65
PE0065__-APE_BIDI	PE0065__-APE_BIDI	108.00	19.53	0.40	0.65	FP2005D_-APE_BIDI	FP2005D_-APE_BIDI	50.00	16.06	0.40	0.65
PE0055S_-APE_BIDI	PE0055S_-APE_BIDI	3.00	20.05	0.40	0.65	FP2005D_-APE_BIDI	FP2005D_-APE_BIDI	50.00	16.59	0.40	0.65
PE0050__-APE_BIDI	PE0050__-APE_BIDI	193.50	19.69	0.40	0.65	FP2006A_-APE_BIDI	FP2006A_-APE_BIDI	85.00	15.71	0.40	0.65
PE0045__-APE_BIDI	PE0045__-APE_BIDI	196.50	20.22	0.40	0.65	FP2006A_-APE_BIDI	FP2006A_-APE_BIDI	85.00	16.37	0.40	0.65
PE0040__-APE_BIDI	PE0040__-APE_BIDI	199.50	20.39	0.40	0.65	FP2007A_-APE_BIDI	FP2007A_-APE_BIDI	210.00	15.78	0.40	0.65
PE0035__-APE_BIDI	PE0035__-APE_BIDI	204.00	20.66	0.40	0.65	FP2007A_-APE_BIDI	FP2007A_-APE_BIDI	210.00	16.36	0.40	0.65
PE0030__-APE_BIDI	PE0030__-APE_BIDI	202.50	21.10	0.40	0.65	FP2007DD-APE_BIDI	FP2007DD-APE_BIDI	300.00	15.66	0.40	0.65
PE0025__-APE_BIDI	PE0025__-APE_BIDI	175.50	21.13	0.40	0.65	FP2007DD-APE_BIDI	FP2007DD-APE_BIDI	300.00	15.90	0.40	0.65
PE0020__-APE_BIDI	PE0020__-APE_BIDI	75.00	22.59	0.40	0.65	FP2008A_-APE_BIDI	FP2008A_-APE_BIDI	283.00	15.49	0.40	0.65
PE0015__-APE_BIDI	PE0015__-APE_BIDI	222.00	20.80	0.40	0.65	FP2008A_-APE_BIDI	FP2008A_-APE_BIDI	283.00	15.55	0.40	0.65
PE0010__-APE_BIDI	PE0010__-APE_BIDI	328.50	20.83	0.40	0.65	FP2009AA-APE_BIDI	FP2009AA-APE_BIDI	96.00	15.66	0.40	0.65
PE1001_A-APE_BIDI	PE1001_A-APE_BIDI	0.75	23.14	0.40	0.65	FP2009AA-APE_BIDI	FP2009AA-APE_BIDI	96.00	15.90	0.40	0.65
CE0125__-APE0230__	CE0125__-APE0230__dhy	93.75	19.13	0.40	0.65	FP2009A_-APE_BIDI	FP2009A_-APE_BIDI	100.00	15.55	0.40	0.65
GM0230__-APE_BIDI	GM0230__-APE_BIDI	15.75	22.66	0.40	0.65	FP2009A_-APE_BIDI	FP2009A_-APE_BIDI	100.00	15.49	0.40	0.65
GM0225__-APE_BIDI	GM0225__-APE_BIDI	15.75	22.72	0.40	0.65	FP2009DD-APE_BIDI	FP2009DD-APE_BIDI	132.80	15.68	0.40	0.65
GM0215__-APE_BIDI	GM0215__-APE_BIDI	12.75	22.79	0.40	0.65	FP2009DD-APE_BIDI	FP2009DD-APE_BIDI	132.80	15.75	0.40	0.65
GM0220__-APE_BIDI	GM0220__-APE_BIDI	10.50	22.72	0.40	0.65	FP2010A_-APE_BIDI	FP2010A_-APE_BIDI	164.00	15.75	0.40	0.65
GM0200__-APE_BIDI	GM0200__-APE_BIDI	18.00	23.27	0.40	0.65	FP2010A_-APE_BIDI	FP2010A_-APE_BIDI	164.00	15.70	0.40	0.65
GM0205__-APE_BIDI	GM0205__-APE_BIDI	15.75	23.03	0.40	0.65	FP2010__-APE_BIDI	FP2010__-APE_BIDI	98.00	15.88	0.40	0.65
GM0210__-APE_BIDI	GM0210__-APE_BIDI	15.75	23.13	0.40	0.65	FP2010__-APE_BIDI	FP2010__-APE_BIDI	98.00	15.55	0.40	0.65
GM0195__-APE_BIDI	GM0195__-APE_BIDI	24.75	22.98	0.40	0.65	APE0237B-APE_BIDI_01	APE0237B-APE_BIDI	139.00	20.80	0.40	0.65
GM0190__-APE_BIDI	GM0190__-APE_BIDI	22.50	23.28	0.40	0.65	VE2001_A-APE_BIDI	VE2001_A-APE_BIDI	10.00	17.33	0.40	0.65
GM0185__-APE_BIDI	GM0185__-APE_BIDI	19.50	23.10	0.40	0.65	VE2001_A-APE_BIDI	VE2001_A-APE_BIDI	10.00	17.58	0.40	0.65
GM0180__-APE_BIDI	GM0180__-APE_BIDI	32.25	23.35	0.40	0.65	VE2001_D-APE_BIDI	VE2001_D-APE_BIDI	28.00	17.33	0.40	0.65
VE0005__-APE_BIDI	VE0005__-APE_BIDI	183.00	16.85	0.40	0.65	VE2001_D-APE_BIDI	VE2001_D-APE_BIDI	28.00	17.58	0.40	0.65
VE0010__-APE_BIDI	VE0010__-APE_BIDI	117.00	17.08	0.40	0.65	VE2002__-APE_BIDI	VE2002__-APE_BIDI	26.00	17.12	0.40	0.65
VE0015__-APE_BIDI	VE0015__-APE_BIDI	115.50	17.03	0.40	0.65	VE2002__-APE_BIDI	VE2002__-APE_BIDI	26.00	16.63	0.40	0.65
VE0020__-APE_BIDI	VE0020__-APE_BIDI	112.50	16.58	0.40	0.65	VE2003__-APE_BIDI	VE2003__-APE_BIDI	45.00	16.88	0.40	0.65
VE0025__-APE_BIDI	VE0025__-APE_BIDI	243.00	17.02	0.40	0.65	VE2003__-APE_BIDI	VE2003__-APE_BIDI	45.00	16.62	0.40	0.65
VE0030__-APE_BIDI	VE0030__-APE_BIDI	274.50	16.58	0.40	0.65	VE2004__-APE_BIDI	VE2004__-APE_BIDI	114.00	16.84	0.40	0.65
VE0035__-APE_BIDI	VE0035__-APE_BIDI	217.50	16.52	0.40	0.65	VE2004__-APE_BIDI	VE2004__-APE_BIDI	114.00	16.84	0.40	0.65
VE0040__-APE_BIDI	VE0040__-APE_BIDI	24.60	16.17	0.40	0.65	VE2005__-APE_BIDI	VE2005__-APE_BIDI	118.00	16.45	0.40	0.65
VE0045__-APE_BIDI	VE0045__-APE_BIDI	52.20	16.33	0.40	0.65	VE2005__-APE_BIDI	VE2005__-APE_BIDI	118.00	16.45	0.40	0.65
VE0050__-APE_BIDI	VE0050__-APE_BIDI	62.40	15.96	0.40	0.65	VE2006__-APE_BIDI	VE2006__-APE_BIDI	64.00	16.59	0.40	0.65
VE0055__-APE_BIDI	VE0055__-APE_BIDI	73.20	15.88	0.40	0.65	VE2006__-APE_BIDI	VE2006__-APE_BIDI	64.00	16.47	0.40	0.65
VE0060__-APE_BIDI	VE0060__-APE_BIDI	85.20	15.77	0.40	0.65	VE2007__-APE_BIDI	VE2007__-APE_BIDI	24.00	16.95	0.40	0.65
VE0065__-APE_BIDI	VE0065__-APE_BIDI	112.20	15.50	0.40	0.65	VE2007__-APE_BIDI	VE2007__-APE_BIDI	24.00	16.47	0.40	0.65
VE0070__-APE_BIDI	VE0070__-APE_BIDI	108.60	15.91	0.40	0.65	VE2008_A-APE_BIDI	VE2008_A-APE_BIDI	16.00	17.10	0.40	0.65
VE0075__-APE_BIDI	VE0075__-APE_BIDI	82.80	15.37	0.40	0.65	VE2008_A-APE_BIDI	VE2008_A-APE_BIDI	16.00	16.59	0.40	0.65
VE0080__-APE_BIDI	VE0080__-APE_BIDI	94.20	15.68	0.40	0.65	VB2001_A-APE_BIDI	VB2001_A-APE_BIDI	10.00	17.33	0.40	0.65

CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2	CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2
VE0085__-APE_BIDI	VE0085__-APE_BIDI	37.20	15.84	0.40	0.65	VB2001_A-APE_BIDI	VB2001_A-APE_BIDI	10.00	17.36	0.40	0.65
VE0090__-APE_BIDI	VE0090__-APE_BIDI	16.20	15.15	0.40	0.65	VB2001_D-APE_BIDI	VB2001_D-APE_BIDI	100.00	17.23	0.40	0.65
VE0095__-APE_BIDI	VE0095__-APE_BIDI	29.10	15.66	0.40	0.65	VB2001_D-APE_BIDI	VB2001_D-APE_BIDI	100.00	17.26	0.40	0.65
VE0100__-APE_BIDI	VE0100__-APE_BIDI	15.45	15.59	0.40	0.65	VB2002__-APE_BIDI	VB2002__-APE_BIDI	165.00	16.92	0.40	0.65
VE1007_A-APE_BIDI	VE1007_A-APE_BIDI	103.50	16.99	0.40	0.65	VB2002__-APE_BIDI	VB2002__-APE_BIDI	165.00	16.88	0.40	0.65
VE1017_A-APE_BIDI	VE1017_A-APE_BIDI	16.50	16.70	0.40	0.65	VB2003_A-APE_BIDI	VB2003_A-APE_BIDI	62.00	16.45	0.40	0.65
VE1009_A-APE_BIDI	VE1009_A-APE_BIDI	22.50	16.72	0.40	0.65	VB2003_A-APE_BIDI	VB2003_A-APE_BIDI	62.00	16.16	0.40	0.65
VE1019_A-APE_BIDI	VE1019_A-APE_BIDI	60.00	16.97	0.40	0.65	VB2003_B-APE_BIDI	VB2003_B-APE_BIDI	13.00	16.45	0.40	0.65
VE1006_A-APE_BIDI	VE1006_A-APE_BIDI	33.00	16.71	0.40	0.65	VB2003_B-APE_BIDI	VB2003_B-APE_BIDI	13.00	17.42	0.40	0.65
VE1002_D-APE_BIDI	VE1002_D-APE_BIDI	3.00	17.23	0.40	0.65	VB2003_C-APE_BIDI	VB2003_C-APE_BIDI	12.00	16.45	0.40	0.65
VE1016_A-APE_BIDI	VE1016_A-APE_BIDI	22.50	17.07	0.40	0.65	VB2003_C-APE_BIDI	VB2003_C-APE_BIDI	12.00	17.42	0.40	0.65
VE1037_A-APE_BIDI	VE1037_A-APE_BIDI	36.00	16.63	0.40	0.65	VB2003_D-APE_BIDI	VB2003_D-APE_BIDI	3.00	16.45	0.40	0.65
VE1082_A-APE_BIDI	VE1082_A-APE_BIDI	26.10	15.67	0.40	0.65	VB2003_D-APE_BIDI	VB2003_D-APE_BIDI	3.00	16.16	0.40	0.65
VE1088_A-APE_BIDI	VE1088_A-APE_BIDI	15.15	15.86	0.40	0.65	VB2004__-APE_BIDI	VB2004__-APE_BIDI	40.00	16.48	0.40	0.65
VE1097_A-APE_BIDI	VE1097_A-APE_BIDI	14.70	15.26	0.40	0.65	VB2004__-APE_BIDI	VB2004__-APE_BIDI	40.00	16.30	0.40	0.65
VE1105__-APE0794__	VE1105__-APE0794__dhy	29.70	13.86	0.40	0.65	VB2005_A-APE_BIDI	VB2005_A-APE_BIDI	48.00	16.40	0.40	0.65
BO0185__-APE0578__	BO0185__-APE0578__dhy	42.75	19.85	0.40	0.65	VB2005_A-APE_BIDI	VB2005_A-APE_BIDI	48.00	16.89	0.40	0.65
BO0190__-APE_BIDI	BO0190__-APE_BIDI	10.20	19.80	0.40	0.65	VB2005_B-APE_BIDI	VB2005_B-APE_BIDI	12.00	16.89	0.40	0.65
BO0235__-APE_BIDI	BO0235__-APE_BIDI	20.70	17.51	0.40	0.65	VB2005_B-APE_BIDI	VB2005_B-APE_BIDI	12.00	16.89	0.40	0.65
BO0230__-APE_BIDI	BO0230__-APE_BIDI	21.00	17.78	0.40	0.65	VB2005_C-APE_BIDI	VB2005_C-APE_BIDI	14.00	16.89	0.40	0.65
BO0225__-APE_BIDI	BO0225__-APE_BIDI	21.00	17.90	0.40	0.65	VB2005_C-APE_BIDI	VB2005_C-APE_BIDI	14.00	16.89	0.40	0.65
BO0215__-APE_BIDI	BO0215__-APE_BIDI	20.70	18.18	0.40	0.65	VB2005_D-APE_BIDI	VB2005_D-APE_BIDI	10.00	16.89	0.40	0.65
BO0220__-APE_BIDI	BO0220__-APE_BIDI	21.00	17.93	0.40	0.65	VB2005_D-APE_BIDI	VB2005_D-APE_BIDI	10.00	16.89	0.40	0.65
BO0260__-APE_BIDI	BO0260__-APE_BIDI	16.20	17.19	0.40	0.65	VB2006__-APE_BIDI	VB2006__-APE_BIDI	16.00	16.79	0.40	0.65
BO0250__-APE_BIDI	BO0250__-APE_BIDI	20.40	17.42	0.40	0.65	VB2006__-APE_BIDI	VB2006__-APE_BIDI	16.00	16.79	0.40	0.65
BO0245__-APE_BIDI	BO0245__-APE_BIDI	20.10	17.62	0.40	0.65	VB2007__-APE_BIDI	VB2007__-APE_BIDI	16.00	16.79	0.40	0.65
BO0240__-APE_BIDI	BO0240__-APE_BIDI	20.10	17.67	0.40	0.65	VB2007__-APE_BIDI	VB2007__-APE_BIDI	16.00	16.89	0.40	0.65
BO0255__-APE_BIDI	BO0255__-APE_BIDI	18.60	17.37	0.40	0.65	VB2008_A-APE_BIDI	VB2008_A-APE_BIDI	31.00	16.83	0.40	0.65
BO0265__-APE_BIDI	BO0265__-APE_BIDI	21.00	17.09	0.40	0.65	VB2008_A-APE_BIDI	VB2008_A-APE_BIDI	31.00	16.93	0.40	0.65
BO0270__-APE0584__	BO0270__-APE0584__dhy	23.10	16.97	0.40	0.65	VB2008_D-APE_BIDI	VB2008_D-APE_BIDI	40.00	16.83	0.40	0.65
MC1430__-APE_BIDI	MC1430__-APE_BIDI	32.55	15.55	0.40	0.65	VB2008_D-APE_BIDI	VB2008_D-APE_BIDI	40.00	16.83	0.40	0.65
PC0086_A-APE0564__	PC0086_A-APE0564__dhy	8.25	20.62	0.40	0.65	VB2009__-APE_BIDI	VB2009__-APE_BIDI	28.00	16.37	0.40	0.65
PC0083_A-APE0564__	PC0083_A-APE0564__dhy	0.75	20.37	0.40	0.65	VB2009__-APE_BIDI	VB2009__-APE_BIDI	28.00	16.89	0.40	0.65
PC0081__-APE0564__	PC0081__-APE0564__dhy	29.25	20.73	0.40	0.65	VB2010__-APE_BIDI	VB2010__-APE_BIDI	55.00	16.78	0.40	0.65
PC0080__-APE0564__	PC0080__-APE0564__dhy	26.25	20.60	0.40	0.65	VB2010__-APE_BIDI	VB2010__-APE_BIDI	55.00	16.78	0.40	0.65
PC0079__-APE0564__	PC0079__-APE0564__dhy	27.75	20.48	0.40	0.65	VB2011_A-APE_BIDI	VB2011_A-APE_BIDI	54.00	16.70	0.40	0.65
PC0078__-APE0564__	PC0078__-APE0564__dhy	30.75	20.44	0.40	0.65	VB2011_A-APE_BIDI	VB2011_A-APE_BIDI	54.00	16.58	0.40	0.65
PC0077__-APE0564__	PC0077__-APE0564__dhy	29.25	20.39	0.40	0.65	VB2011_D-APE_BIDI	VB2011_D-APE_BIDI	46.00	16.70	0.40	0.65
PC0076__-APE0564__	PC0076__-APE0564__dhy	28.50	20.41	0.40	0.65	VB2011_D-APE_BIDI	VB2011_D-APE_BIDI	46.00	16.58	0.40	0.65
PC0075__-APE0566__	PC0075__-APE0566__dhy	30.00	20.60	0.40	0.65	VB2012__-APE_BIDI	VB2012__-APE_BIDI	44.00	16.69	0.40	0.65
PC0074__-APE0566__	PC0074__-APE0566__dhy	31.50	21.15	0.40	0.65	VB2012__-APE_BIDI	VB2012__-APE_BIDI	44.00	16.58	0.40	0.65
PC0073__-APE0566__	PC0073__-APE0566__dhy	31.50	21.14	0.40	0.65	VB2013__-APE_BIDI	VB2013__-APE_BIDI	145.00	16.69	0.40	0.65

CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2	CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2
PC0072_-APE0566_	PC0072_-APE0566_.dhy	28.50	21.29	0.40	0.65	VB2013_-APE_BIDI	VB2013_-APE_BIDI	145.00	16.58	0.40	0.65
PC0071_-APE0566_	PC0071_-APE0566_.dhy	25.50	21.00	0.40	0.65	VB2014_A-APE_BIDI	VB2014_A-APE_BIDI	110.00	16.46	0.40	0.65
PC0070_-APE0566_	PC0070_-APE0566_.dhy	24.75	21.05	0.40	0.65	VB2014_A-APE_BIDI	VB2014_A-APE_BIDI	110.00	16.52	0.40	0.65
PC0069_-APE0566_	PC0069_-APE0566_.dhy	25.50	20.79	0.40	0.65	VB2014_D-APE_BIDI	VB2014_D-APE_BIDI	26.00	16.93	0.40	0.65
PC0068_-APE0566_	PC0068_-APE0566_.dhy	28.50	20.66	0.40	0.65	VB2014_D-APE_BIDI	VB2014_D-APE_BIDI	26.00	16.93	0.40	0.65
PC0067_-APE0566_	PC0067_-APE0566_.dhy	32.25	20.85	0.40	0.65	VB2015_A-APE_BIDI	VB2015_A-APE_BIDI	28.00	16.73	0.40	0.65
PC0065_A-APE0604_	PC0065_A-APE0604_.dhy	18.00	20.60	0.40	0.65	VB2015_A-APE_BIDI	VB2015_A-APE_BIDI	28.00	16.36	0.40	0.65
PC0063_-APE0604_	PC0063_-APE0604_.dhy	12.75	21.00	0.40	0.65	VB2015_D-APE_BIDI	VB2015_D-APE_BIDI	40.00	16.73	0.40	0.65
PC0027_-APE0612_	PC0027_-APE0612_.dhy	84.00	19.33	0.40	0.65	VB2015_D-APE_BIDI	VB2015_D-APE_BIDI	40.00	16.36	0.40	0.65
PC0026_-APE0612_	PC0026_-APE0612_.dhy	108.00	19.01	0.40	0.65	VB2016_-APE_BIDI	VB2016_-APE_BIDI	42.00	16.73	0.40	0.65
PC0025_-APE0612_	PC0025_-APE0612_.dhy	98.25	18.97	0.40	0.65	VB2016_-APE_BIDI	VB2016_-APE_BIDI	42.00	16.36	0.40	0.65
PC0024_-APE0612_	PC0024_-APE0612_.dhy	87.00	18.64	0.40	0.65	APE0237B-APE_BIDI_02	APE0237B-APE_BIDI	365.00	20.80	0.40	0.65
PC0023_-APE0612_	PC0023_-APE0612_.dhy	78.75	18.82	0.40	0.65	APE0202_-APE_BIDI_02	APE_BIDI-APE0202_.dhy	32.75	24.74	0.40	0.65
PC0022_-APE_BIDI	PC0022_-APE_BIDI	87.00	18.49	0.40	0.65	APE0202_-APE_BIDI_03	APE_BIDI-APE0202_.dhy	32.75	24.03	0.40	0.65
PC0021_-APE_BIDI	PC0021_-APE_BIDI	105.75	18.08	0.40	0.65	APE0578_-APE_BIDI_02	APE_BIDI-APE0578_.dhy	56.00	15.55	0.40	0.65
PC0020_-APE_BIDI	PC0020_-APE_BIDI	104.25	18.13	0.40	0.65	APE0578_-APE_BIDI_03	APE_BIDI-APE0578_.dhy	56.00	15.80	0.40	0.65
PC0019_-APE_BIDI	PC0019_-APE_BIDI	123.00	17.61	0.40	0.65	APE0578_-APE_BIDI_04	APE_BIDI-APE0578_.dhy	56.00	15.82	0.40	0.65
PC0018_-APE_BIDI	PC0018_-APE_BIDI	156.00	17.63	0.40	0.65	APE0586_-APE_BIDI_01	APE_BIDI-APE0586_.dhy	50.00	15.30	0.40	0.65
PC0017_-APE_BIDI	PC0017_-APE_BIDI	171.00	17.20	0.40	0.65	APE0586_-APE_BIDI_02	APE_BIDI-APE0586_.dhy	50.00	15.30	0.40	0.65
PC0016_-APE_BIDI	PC0016_-APE_BIDI	157.50	17.26	0.40	0.65	APE_BIDI-APE0794_02	APE_BIDI-APE0794_.dhy	50.00	15.45	0.40	0.65
PC0015_-APE_BIDI	PC0015_-APE_BIDI	65.25	17.71	0.40	0.65	APE_BIDI-APE0794_03	APE_BIDI-APE0794_.dhy	50.00	15.35	0.40	0.65
PC0013_A-APE_BIDI	PC0013_A-APE_BIDI	0.75	17.71	0.40	0.65	APE_BIDI-APE0794_04	APE_BIDI-APE0794_.dhy	50.00	15.58	0.40	0.65
PC0011_-APE_BIDI	PC0011_-APE_BIDI	62.25	16.78	0.40	0.65	APE_BIDI-APE0794_05	APE_BIDI-APE0794_.dhy	50.00	16.02	0.40	0.65
PC0010_-APE_BIDI	PC0010_-APE_BIDI	25.20	15.29	0.40	0.65	APE_BIDI-APE0794_06	APE_BIDI-APE0794_.dhy	50.00	16.02	0.40	0.65
PC0009_-APE_BIDI	PC0009_-APE_BIDI	21.75	15.95	0.40	0.65	APE_BIDI-APE0794_07	APE_BIDI-APE0794_.dhy	50.00	16.00	0.40	0.65
PC0008_-APE_BIDI	PC0008_-APE_BIDI	14.10	15.88	0.40	0.65	APE_BIDI-APE0794_09	APE_BIDI-APE0794_.dhy	50.00	15.98	0.40	0.65
PC0007_-APE_BIDI	PC0007_-APE_BIDI	19.50	15.49	0.40	0.65	APE_BIDI-APE0794_10	APE_BIDI-APE0794_.dhy	50.00	15.98	0.40	0.65
PC0006_-APE_BIDI	PC0006_-APE_BIDI	23.85	15.04	0.40	0.65	APE_BIDI-APE0794_11	APE_BIDI-APE0794_.dhy	50.00	16.12	0.40	0.65
PC0005_-APE_BIDI	PC0005_-APE_BIDI	9.60	14.72	0.40	0.65	APE_BIDI-APE0794_12	APE_BIDI-APE0794_.dhy	50.00	15.99	0.40	0.65
PC0003_A-APE1184_	PC0003_A-APE1184_.dhy	0.15	15.68	0.40	0.65	APE_BIDI-APE0794_13	APE_BIDI-APE0794_.dhy	50.00	16.02	0.40	0.65
PC0001_-APE1184_	PC0001_-APE1184_.dhy	67.35	15.68	0.40	0.65	APE_BIDI-APE0794_15	APE_BIDI-APE0794_.dhy	50.00	16.12	0.40	0.65
PP1060_-APE0044_	PP1060_-APE0044_.dhy	66.00	28.72	0.40	0.65	APE_BIDI-APE0794_16	APE_BIDI-APE0794_.dhy	50.00	15.99	0.40	0.65
GM0185B_-APE_BIDI	GM0185B_-APE_BIDI	14.25	23.10	0.40	0.65	APE0800_-APE_BIDI_03	APE_BIDI-APE0800_.dhy	70.00	16.20	0.40	0.65
BO0195_-APE_BIDI	BO0195_-APE_BIDI	9.60	18.50	0.40	0.65	APE0800_-APE_BIDI_02	APE_BIDI-APE0800_.dhy	70.00	16.07	0.40	0.65
BO0200_-APE_BIDI	BO0200_-APE_BIDI	18.00	18.54	0.40	0.65	APE0800_-APE_BIDI_04	APE_BIDI-APE0800_.dhy	70.00	16.20	0.40	0.65
BO0205_-APE_BIDI	BO0205_-APE_BIDI	21.60	18.39	0.40	0.65	APE0800_-APE_BIDI_05	APE_BIDI-APE0800_.dhy	70.00	15.86	0.40	0.65
BO0210_-APE_BIDI	BO0210_-APE_BIDI	21.00	18.23	0.40	0.65	APE0800_-APE_BIDI_06	APE_BIDI-APE0800_.dhy	70.00	15.46	0.40	0.65
MC0193_A-APE0214_	MC0193_A-APE0214_.dhy	1.50	20.03	0.40	0.65	APE_BIDI-APE0772_05	APE_BIDI-APE0772_.dhy	65.00	15.58	0.40	0.65
PM0115_A-APE0064_	PM0115_A-APE0064_.dhy	2.25	26.35	0.40	0.65	APE_BIDI-APE0772_04	APE_BIDI-APE0772_.dhy	65.00	15.40	0.40	0.65
CE1125V_-APE0230_	CE1125V_-APE0230_.dhy	39.00	19.03	0.40	0.65	APE_BIDI-APE0772_03	APE_BIDI-APE0772_.dhy	65.00	15.21	0.40	0.65
PE1083_A-APE0230_	PE1083_A-APE0230_.dhy	102.00	20.11	0.40	0.65	APE_BIDI-APE0772_02	APE_BIDI-APE0772_.dhy	65.00	15.19	0.40	0.65
PE1197_A-APE0592_	PE1197_A-APE0592_.dhy	3.90	16.07	0.40	0.65	APE_BIDI-APE0772_06	APE_BIDI-APE0772_.dhy	65.00	15.65	0.40	0.65

CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2	CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2
PE1132_A-APE_BIDI	PE1132_A-APE_BIDI	7.88	18.52	0.40	0.65	APE_BIDI-APE0772__07	APE_BIDI-APE0772__dhy	65.00	15.91	0.40	0.65
PE1093_A-APE0570__	PE1093_A-APE0570__dhy	30.00	19.32	0.40	0.65	APE1184_-APE_BIDI	APE_BIDI-APE1184__dhy	60.00	15.80	0.40	0.65
PE1102_A-APE0570__	PE1102_A-APE0570__dhy	28.50	20.55	0.40	0.65	APE_BIDI-APE0214__02	APE_BIDI-APE0214__dhy	0.00	19.80	0.40	0.65
PE1053_A-APE0228__	PE1053_A-APE0228__dhy	96.00	20.16	0.40	0.65	APE_BIDI-APE0178__02	APE_BIDI-APE0178__dhy	0.00	20.80	0.40	0.65
PE1066_A-APE0228__	PE1066_A-APE0228__dhy	16.50	21.02	0.40	0.65	APE_BIDI-APE0178__03	APE_BIDI-APE0178__dhy	0.00	20.30	0.40	0.65
PE1017_A-APE0158__	PE1017_A-APE0158__dhy	57.00	21.94	0.40	0.65	APE_BIDI-APE0178__04	APE_BIDI-APE0178__dhy	0.00	20.20	0.40	0.65
GM1177_A-APE0011__	GM1177_A-APE0011__dhy	6.75	23.67	0.40	0.65	APE_BIDI-APE0178__05	APE_BIDI-APE0178__dhy	0.00	20.45	0.40	0.65
GM1197_A-APE0140__	GM1197_A-APE0140__dhy	16.50	23.09	0.40	0.65	APE0176_-APE_BIDI_04	APE_BIDI-APE0176__dhy	0.00	20.30	0.40	0.65
GM1212_A-APE0140__	GM1212_A-APE0140__dhy	9.00	23.06	0.40	0.65	APE0176_-APE_BIDI_03	APE_BIDI-APE0176__dhy	0.00	20.30	0.40	0.65
PE0005S_-APE0140__	PE0005S_-APE0140__dhy	0.75	22.24	0.40	0.65	APE0176_-APE_BIDI_02	APE_BIDI-APE0176__dhy	0.00	20.30	0.40	0.65
PE1007_A-APE0140__	PE1007_A-APE0140__dhy	1.50	22.49	0.40	0.65	PC2031_A-APE_BIDI	PC2031_A-APE_BIDI	48.62	21.00	0.40	0.65
PP1405__-APE0792__	PP1405__-APE0792__dhy	187.20	15.78	0.40	0.65	PC2031_B-APE_BIDI	PC2031_B-APE_BIDI	29.63	21.00	0.40	0.65
PP1395_A-APE_BIDI	PP1395_A-APE_BIDI	111.00	18.03	0.40	0.65	PC2008__-APE_BIDI	PC2008__-APE_BIDI	24.46	20.23	0.40	0.65
PP1375_A-APE_BIDI	PP1375_A-APE_BIDI	45.00	18.22	0.40	0.65	PC2003__-APE_BIDI	PC2003__-APE_BIDI	5.54	20.17	0.40	0.65
PP1350_A-APE_BIDI	PP1350_A-APE_BIDI	67.50	19.93	0.40	0.65	PC2004__-APE_BIDI	PC2004__-APE_BIDI	4.33	20.18	0.40	0.65
PP1325_A-APE_BIDI	PP1325_A-APE_BIDI	37.50	19.67	0.40	0.65	PC2006__-APE_BIDI	PC2006__-APE_BIDI	10.55	20.20	0.40	0.65
PP1270_A-APE_BIDI	PP1270_A-APE_BIDI	28.50	20.58	0.40	0.65	PC2007__-APE_BIDI	PC2007__-APE_BIDI	13.55	20.22	0.40	0.65
PP1280_A-APE_BIDI	PP1280_A-APE_BIDI	51.00	21.40	0.40	0.65	PC2009__-APE_BIDI	PC2009__-APE_BIDI	61.85	20.28	0.40	0.65
PP1220_A-APE_BIDI	PP1220_A-APE_BIDI	61.50	22.34	0.40	0.65	PC2010__-APE_BIDI	PC2010__-APE_BIDI	50.65	20.41	0.40	0.65
PP1205_A-APE_BIDI	PP1205_A-APE_BIDI	45.00	23.81	0.40	0.65	PC2011__-APE_BIDI	PC2011__-APE_BIDI	13.57	20.43	0.40	0.65
PP1185_A-APE_BIDI	PP1185_A-APE_BIDI	52.50	23.27	0.40	0.65	PC2013__-APE_BIDI	PC2013__-APE_BIDI	18.25	20.50	0.40	0.65
PP1195_A-APE_BIDI	PP1195_A-APE_BIDI	6.75	24.89	0.40	0.65	PC2014__-APE_BIDI	PC2014__-APE_BIDI	10.39	20.52	0.40	0.65
PP1170_-APE_BIDI	PP1170_-APE_BIDI	60.00	23.43	0.40	0.65	PC2015__-APE_BIDI	PC2015__-APE_BIDI	31.37	20.53	0.40	0.65
PP1150_-APE_BIDI	PP1150_-APE_BIDI	54.75	24.19	0.40	0.65	PC2016__-APE_BIDI	PC2016__-APE_BIDI	34.53	20.62	0.40	0.65
PP1160_-APE_BIDI	PP1160_-APE_BIDI	64.50	24.12	0.40	0.65	PC2017__-APE_BIDI	PC2017__-APE_BIDI	19.15	20.64	0.40	0.65
PP1135_-APE_BIDI	PP1135_-APE_BIDI	51.75	24.94	0.40	0.65	PC2018__-APE_BIDI	PC2018__-APE_BIDI	22.62	20.67	0.40	0.65
PP1115_-APE_BIDI	PP1115_-APE_BIDI	56.25	25.52	0.40	0.65	PC2019__-APE_BIDI	PC2019__-APE_BIDI	24.72	20.71	0.40	0.65
PP1125_A-APE_BIDI	PP1125_A-APE_BIDI	18.00	25.68	0.40	0.65	PC2020__-APE_BIDI	PC2020__-APE_BIDI	23.95	20.75	0.40	0.65
PP1095_-APE_BIDI	PP1095_-APE_BIDI	79.50	26.61	0.40	0.65	PC2022__-APE_BIDI	PC2022__-APE_BIDI	24.41	20.84	0.40	0.65
PP1085_-APE_BIDI	PP1085_-APE_BIDI	68.25	27.35	0.40	0.65	PC2023__-APE_BIDI	PC2023__-APE_BIDI	9.31	20.86	0.40	0.65
PP1075_-APE_BIDI	PP1075_-APE_BIDI	54.75	27.80	0.40	0.65	PC2025__-APE_BIDI	PC2025__-APE_BIDI	8.44	20.89	0.40	0.65
SB1080_A-APE1184__	SB1080_A-APE1184__dhy	3.60	16.21	0.40	0.65	PC2026__-APE_BIDI	PC2026__-APE_BIDI	4.94	20.90	0.40	0.65
SB1053_A-APE_BIDI	SB1053_A-APE_BIDI	11.93	16.06	0.40	0.65	PC2027__-APE_BIDI	PC2027__-APE_BIDI	6.51	20.91	0.40	0.65
SB1022_A-APE_BIDI	SB1022_A-APE_BIDI	22.50	16.59	0.40	0.65	PC2028__-APE_BIDI	PC2028__-APE_BIDI	9.25	20.93	0.40	0.65
SB1024_A-APE_BIDI	SB1024_A-APE_BIDI	25.50	16.50	0.40	0.65	PC2029__-APE_BIDI	PC2029__-APE_BIDI	11.60	20.94	0.40	0.65
SB1027_A-APE_BIDI	SB1027_A-APE_BIDI	9.00	17.06	0.40	0.65	PC2030__-APE_BIDI	PC2030__-APE_BIDI	19.56	20.96	0.40	0.65
SB1017_A-APE0612__	SB1017_A-APE0612__dhy	12.75	17.23	0.40	0.65	PC2031__-APE_BIDI	PC2031__-APE_BIDI	37.01	21.00	0.40	0.65
MC0195_-APE_BIDI	MC0195_-APE_BIDI	17.25	18.74	0.40	0.65	PC2032__-APE_BIDI	PC2032__-APE_BIDI	46.26	21.22	0.40	0.65
SB0070_-APE_BIDI	SB0070_-APE_BIDI	35.33	15.63	0.40	0.65	PC2033__-APE_BIDI	PC2033__-APE_BIDI	4.38	21.23	0.40	0.65
SB0075_-APE_BIDI	SB0075_-APE_BIDI	20.03	15.24	0.40	0.65	PC2034__-APE_BIDI	PC2034__-APE_BIDI	2.28	21.23	0.40	0.65
SB0065_-APE_BIDI	SB0065_-APE_BIDI	36.90	15.50	0.40	0.65	PC2035__-APE_BIDI	PC2035__-APE_BIDI	2.36	21.24	0.40	0.65
SB0060_-APE_BIDI	SB0060_-APE_BIDI	33.53	15.52	0.40	0.65	PC2036__-APE_BIDI	PC2036__-APE_BIDI	3.97	21.25	0.40	0.65

CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2	CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2
SB0050__-APE_BIDI	SB0050__-APE_BIDI	0.45	15.63	0.40	0.65	PC2037__-APE_BIDI	PC2037__-APE_BIDI	4.66	21.26	0.40	0.65
SB0055__-APE_BIDI	SB0055__-APE_BIDI	30.38	15.65	0.40	0.65	PC2038__-APE_BIDI	PC2038__-APE_BIDI	7.47	21.27	0.40	0.65
SB0045__-APE_BIDI	SB0045__-APE_BIDI	31.95	15.77	0.40	0.65	PC2040__-APE_BIDI	PC2040__-APE_BIDI	4.80	21.29	0.40	0.65
SB0040__-APE_BIDI	SB0040__-APE_BIDI	41.18	16.37	0.40	0.65	PC2041__-APE_BIDI	PC2041__-APE_BIDI	8.47	21.30	0.40	0.65
SB0035__-APE_BIDI	SB0035__-APE_BIDI	43.65	16.63	0.40	0.65	PC2001__-APE_BIDI	PC2001__-APE_BIDI	41.51	20.10	0.40	0.65
SB0030__-APE_BIDI	SB0030__-APE_BIDI	45.90	16.90	0.40	0.65	PC2005__-APE_BIDI	PC2005__-APE_BIDI	6.55	20.19	0.40	0.65
SB0025__-APE_BIDI	SB0025__-APE_BIDI	46.50	16.43	0.40	0.65	PC2012__-APE_BIDI	PC2012__-APE_BIDI	21.78	20.45	0.40	0.65
SB0020__-APE_BIDI	SB0020__-APE_BIDI	69.75	16.17	0.40	0.65	PC2002_C-APE_BIDI	PC2002_C-APE_BIDI	1.50	20.12	0.40	0.65
PP0300__-APE_BIDI	PP0300__-APE_BIDI	178.50	20.60	0.40	0.65	PC2021__-APE_BIDI	PC2021__-APE_BIDI	32.23	20.79	0.40	0.65
PP0295__-APE_BIDI	PP0295__-APE_BIDI	198.00	21.22	0.40	0.65	PC2039__-APE_BIDI	PC2039__-APE_BIDI	7.12	21.28	0.40	0.65
PP0290__-APE_BIDI	PP0290__-APE_BIDI	145.50	21.14	0.40	0.65	PC2042__-APE_BIDI	PC2042__-APE_BIDI	8.60	21.31	0.40	0.65
PP0285__-APE_BIDI	PP0285__-APE_BIDI	156.00	20.87	0.40	0.65	PC2043__-APE_BIDI	PC2043__-APE_BIDI	3.49	21.32	0.40	0.65
PP0265__-APE_BIDI	PP0265__-APE_BIDI	52.50	21.37	0.40	0.65	PC2024__-APE_BIDI	PC2024__-APE_BIDI	11.18	20.88	0.40	0.65
PP0260__-APE_BIDI	PP0260__-APE_BIDI	166.50	21.40	0.40	0.65	PC2002_B-APE_BIDI	PC2002_B-APE_BIDI	1.50	20.12	0.40	0.65
PP0255__-APE_BIDI	PP0255__-APE_BIDI	268.50	21.34	0.40	0.65	PC2002_D-APE_BIDI	PC2002_D-APE_BIDI	20.05	20.10	0.40	0.65
PP0250__-APE_BIDI	PP0250__-APE_BIDI	225.00	20.85	0.40	0.65	PC2002_A-APE_BIDI	PC2002_A-APE_BIDI	2.96	20.10	0.40	0.65
PP0245__-APE_BIDI	PP0245__-APE_BIDI	181.50	21.02	0.40	0.65	MC2044__-APE_BIDI	MC2044__-APE_BIDI	38.50	15.40	0.40	0.65
PP0240__-APE_BIDI	PP0240__-APE_BIDI	207.00	21.29	0.40	0.65	MC2045__-APE_BIDI	MC2045__-APE_BIDI	75.00	15.40	0.40	0.65
PP0235__-APE_BIDI	PP0235__-APE_BIDI	237.00	21.18	0.40	0.65	MC2046__-APE_BIDI	MC2046__-APE_BIDI	69.70	15.46	0.40	0.65
PP0230__-APE_BIDI	PP0230__-APE_BIDI	253.50	21.10	0.40	0.65	MC2047__-APE_BIDI	MC2047__-APE_BIDI	73.30	15.46	0.40	0.65
PP0225__-APE_BIDI	PP0225__-APE_BIDI	225.00	21.63	0.40	0.65	MC2048__-APE_BIDI	MC2048__-APE_BIDI	50.00	15.43	0.40	0.65
PP0215__-APE_BIDI	PP0215__-APE_BIDI	96.00	22.05	0.40	0.65	MC2049__-APE_BIDI	MC2049__-APE_BIDI	29.28	15.44	0.40	0.65
PP0210__-APE_BIDI	PP0210__-APE_BIDI	52.50	22.04	0.40	0.65	MC2050__-APE_BIDI	MC2050__-APE_BIDI	53.85	15.45	0.40	0.65
PP0200__-APE_BIDI	PP0200__-APE_BIDI	106.50	22.50	0.40	0.65	MC2051__-APE_BIDI	MC2051__-APE_BIDI	72.40	15.45	0.40	0.65
PP0190__-APE_BIDI	PP0190__-APE_BIDI	21.00	22.73	0.40	0.65	MC2052__-APE_BIDI	MC2052__-APE_BIDI	76.50	15.57	0.40	0.65
PP0180__-APE_BIDI	PP0180__-APE_BIDI	105.00	23.36	0.40	0.65	MC2053__-APE_BIDI	MC2053__-APE_BIDI	102.55	15.58	0.40	0.65
PP0175__-APE_BIDI	PP0175__-APE_BIDI	86.25	23.48	0.40	0.65	MC2054__-APE_BIDI	MC2054__-APE_BIDI	66.95	15.70	0.40	0.65
PP0165__-APE_BIDI	PP0165__-APE_BIDI	81.75	23.62	0.40	0.65	MC2055__-APE_BIDI	MC2055__-APE_BIDI	19.75	15.90	0.40	0.65
PP0155__-APE_BIDI	PP0155__-APE_BIDI	21.00	24.21	0.40	0.65	MC2056__-APE_BIDI	MC2056__-APE_BIDI	49.50	16.00	0.40	0.65
PP0145__-APE_BIDI	PP0145__-APE_BIDI	95.25	24.24	0.40	0.65	MC2057__-APE_BIDI	MC2057__-APE_BIDI	49.96	16.10	0.40	0.65
PP0140__-APE_BIDI	PP0140__-APE_BIDI	66.00	24.85	0.40	0.65	MC2058__-APE_BIDI	MC2058__-APE_BIDI	49.98	16.20	0.40	0.65
PP0130__-APE_BIDI	PP0130__-APE_BIDI	61.50	25.15	0.40	0.65	MC2059__-APE_BIDI	MC2059__-APE_BIDI	64.75	16.30	0.40	0.65
PP0120__-APE_BIDI	PP0120__-APE_BIDI	39.75	25.22	0.40	0.65	MC2060__-APE_BIDI	MC2060__-APE_BIDI	58.10	16.40	0.40	0.65
PP0110__-APE_BIDI	PP0110__-APE_BIDI	102.75	25.90	0.40	0.65	MC2061__-APE_BIDI	MC2061__-APE_BIDI	200.50	16.65	0.40	0.65
PP0105__-APE_BIDI	PP0105__-APE_BIDI	139.50	26.27	0.40	0.65	MC2062__-APE_BIDI	MC2062__-APE_BIDI	212.45	16.90	0.40	0.65
PP0100__-APE_BIDI	PP0100__-APE_BIDI	96.75	26.85	0.40	0.65	MC2063__-APE_BIDI	MC2063__-APE_BIDI	50.55	16.90	0.40	0.65
PP0090__-APE_BIDI	PP0090__-APE_BIDI	75.00	27.12	0.40	0.65	MC2064__-APE_BIDI	MC2064__-APE_BIDI	57.90	17.00	0.40	0.65
PP0080__-APE_BIDI	PP0080__-APE_BIDI	84.75	27.77	0.40	0.65	MC2065__-APE_BIDI	MC2065__-APE_BIDI	60.35	17.10	0.40	0.65
PP0070__-APE0044__	PP0070__-APE0044__dhy	60.00	28.67	0.40	0.65	MC2066__-APE_BIDI	MC2066__-APE_BIDI	52.65	17.20	0.40	0.65
PP0065__-APE_BIDI	PP0065__-APE_BIDI	87.00	28.36	0.40	0.65	MC2067__-APE_BIDI	MC2067__-APE_BIDI	65.30	17.30	0.40	0.65
PP0390__-APE_BIDI	PP0390__-APE_BIDI	247.50	17.94	0.40	0.65	MC2068__-APE_BIDI	MC2068__-APE_BIDI	45.74	17.95	0.40	0.65
PP0400__-APE_BIDI	PP0400__-APE_BIDI	181.50	16.69	0.40	0.65	MC2069__-APE_BIDI	MC2069__-APE_BIDI	87.45	17.60	0.40	0.65

CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2	CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2
PP0385__-APE_BIDI	PP0385__-APE_BIDI	237.00	18.05	0.40	0.65	MC2070__-APE_BIDI	MC2070__-APE_BIDI	85.45	18.00	0.40	0.65
PP0380__-APE_BIDI	PP0380__-APE_BIDI	127.50	18.41	0.40	0.65	MC2071__-APE_BIDI	MC2071__-APE_BIDI	87.25	18.00	0.40	0.65
PP0370__-APE_BIDI	PP0370__-APE_BIDI	139.50	18.51	0.40	0.65	MC2072__-APE_BIDI	MC2072__-APE_BIDI	74.80	18.10	0.40	0.65
PP0365__-APE_BIDI	PP0365__-APE_BIDI	193.50	18.55	0.40	0.65	MC2073__-APE_BIDI	MC2073__-APE_BIDI	89.25	18.28	0.40	0.65
PP0360__-APE_BIDI	PP0360__-APE_BIDI	186.00	18.73	0.40	0.65	MC2074__-APE_BIDI	MC2074__-APE_BIDI	54.35	18.98	0.40	0.65
PP0355__-APE_BIDI	PP0355__-APE_BIDI	126.00	18.93	0.40	0.65	MC2075__-APE_BIDI	MC2075__-APE_BIDI	33.84	18.82	0.40	0.65
PP0345__-APE_BIDI	PP0345__-APE_BIDI	166.50	19.19	0.40	0.65	MC2076__-APE_BIDI	MC2076__-APE_BIDI	53.45	18.71	0.40	0.65
PP0340__-APE_BIDI	PP0340__-APE_BIDI	199.50	19.29	0.40	0.65	MC2077__-APE_BIDI	MC2077__-APE_BIDI	35.15	18.60	0.40	0.65
PP0335__-APE_BIDI	PP0335__-APE_BIDI	201.00	19.42	0.40	0.65	MC2078__-APE_BIDI	MC2078__-APE_BIDI	10.75	18.97	0.40	0.65
PP0330__-APE_BIDI	PP0330__-APE_BIDI	199.50	19.97	0.40	0.65	MC2079__-APE_BIDI	MC2079__-APE_BIDI	35.83	19.51	0.40	0.65
PP0320__-APE_BIDI	PP0320__-APE_BIDI	168.00	19.89	0.40	0.65	MC2080__-APE_BIDI	MC2080__-APE_BIDI	70.80	18.72	0.40	0.65
PP0315__-APE_BIDI	PP0315__-APE_BIDI	226.50	19.71	0.40	0.65	MC2081__-APE_BIDI	MC2081__-APE_BIDI	61.20	19.10	0.40	0.65
PP0310__-APE_BIDI	PP0310__-APE_BIDI	118.50	20.74	0.40	0.65	MC2082__-APE_BIDI	MC2082__-APE_BIDI	29.15	19.02	0.40	0.65
PP0305__-APE_BIDI	PP0305__-APE_BIDI	64.50	21.12	0.40	0.65	MC2083_D-APE_BIDI	MC2083_D-APE_BIDI	6.95	19.30	0.40	0.65
MC1445_A-APE0786__	MC1445_A-APE0786__dhy	1.35	13.89	0.40	0.65	MC2084_A-APE_BIDI	MC2084_A-APE_BIDI	5.97	19.30	0.40	0.65
MC1440__-APE0772__	MC1440__-APE0772__dhy	24.45	15.52	0.40	0.65	MC2085__-APE_BIDI	MC2085__-APE_BIDI	20.59	19.30	0.40	0.65
MC1435_A-APE_BIDI	MC1435_A-APE_BIDI	16.95	16.14	0.40	0.65	MC2086__-APE_BIDI	MC2086__-APE_BIDI	28.28	19.10	0.40	0.65
PE0195__-APE0592__	PE0195__-APE0592__dhy	7.50	16.55	0.40	0.65	MC2087__-APE_BIDI	MC2087__-APE_BIDI	22.65	19.10	0.40	0.65
PE0190__-APE0592__	PE0190__-APE0592__dhy	22.50	16.51	0.40	0.65	MC2077_D-APE_BIDI	MC2077_D-APE_BIDI	6.25	18.96	0.40	0.65
PE0185__-APE_BIDI	PE0185__-APE_BIDI	136.13	17.29	0.40	0.65	MC2077_A-APE_BIDI	MC2077_A-APE_BIDI	7.25	18.96	0.40	0.65
PE0180__-APE_BIDI	PE0180__-APE_BIDI	132.75	17.08	0.40	0.65	MC2074_D-APE_BIDI	MC2074_D-APE_BIDI	5.75	18.65	0.40	0.65
PE0170__-APE_BIDI	PE0170__-APE_BIDI	138.38	17.08	0.40	0.65	MC2074_A-APE_BIDI	MC2074_A-APE_BIDI	10.50	18.65	0.40	0.65
PE0165__-APE_BIDI	PE0165__-APE_BIDI	147.38	17.89	0.40	0.65	MC2070_A-APE_BIDI	MC2070_A-APE_BIDI	52.30	18.41	0.40	0.65
PE0160__-APE_BIDI	PE0160__-APE_BIDI	150.75	18.25	0.40	0.65	MC2070_D-APE_BIDI	MC2070_D-APE_BIDI	2.50	18.41	0.40	0.65
PE0155__-APE_BIDI	PE0155__-APE_BIDI	154.13	18.12	0.40	0.65	MC2068_A-APE_BIDI	MC2068_A-APE_BIDI	33.47	18.18	0.40	0.65
PE0150__-APE_BIDI	PE0150__-APE_BIDI	153.00	18.24	0.40	0.65	MC2068_D-APE_BIDI	MC2068_D-APE_BIDI	11.39	18.47	0.40	0.65
PE0145__-APE_BIDI	PE0145__-APE_BIDI	149.63	18.22	0.40	0.65	MC2063_A-APE_BIDI	MC2063_A-APE_BIDI	20.47	17.65	0.40	0.65
PE0140__-APE_BIDI	PE0140__-APE_BIDI	150.75	18.91	0.40	0.65	MC2063_D-APE_BIDI	MC2063_D-APE_BIDI	13.50	17.65	0.40	0.65
PE0135__-APE_BIDI	PE0135__-APE_BIDI	78.75	18.89	0.40	0.65	MC2054_A-APE_BIDI	MC2054_A-APE_BIDI	3.25	16.29	0.40	0.65
PE0120__-APE0574__	PE0120__-APE0574__dhy	178.50	18.52	0.40	0.65	MC2054_D-APE_BIDI	MC2054_D-APE_BIDI	3.25	16.14	0.40	0.65
PE0130__-APE_BIDI	PE0130__-APE_BIDI	84.00	18.35	0.40	0.65	PC2031_A-APE0604__	PC2031_A-APE0604__dhy	48.62	21.00	0.40	0.65
PE0125__-APE_BIDI	PE0125__-APE_BIDI	153.00	18.28	0.40	0.65	PC2031_B-APE0604__	PC2031_B-APE0604__dhy	29.63	21.00	0.40	0.65
PE0115__-APE0574__	PE0115__-APE0574__dhy	201.00	18.91	0.40	0.65	PC2008__-APE0610__	PC2008__-APE0610__dhy	24.46	20.23	0.40	0.65
PE0110__-APE0574__	PE0110__-APE0574__dhy	201.00	19.08	0.40	0.65	PC2003__-APE0610__	PC2003__-APE0610__dhy	5.54	20.17	0.40	0.65
PE0105__-APE0574__	PE0105__-APE0574__dhy	133.50	19.01	0.40	0.65	PC2004__-APE0610__	PC2004__-APE0610__dhy	4.33	20.18	0.40	0.65
PE0100__-APE0570__	PE0100__-APE0570__dhy	126.00	19.01	0.40	0.65	PC2006__-APE0610__	PC2006__-APE0610__dhy	10.55	20.20	0.40	0.65
PE0095__-APE0570__	PE0095__-APE0570__dhy	121.50	19.37	0.40	0.65	PC2007__-APE0610__	PC2007__-APE0610__dhy	13.55	19.72	0.40	0.65
PE0090__-APE0570__	PE0090__-APE0570__dhy	70.50	19.12	0.40	0.65	PC2009__-APE0610__	PC2009__-APE0610__dhy	61.85	20.28	0.40	0.65
PE0085__-APE0230__	PE0085__-APE0230__dhy	67.50	19.88	0.40	0.65	PC2010__-APE0610__	PC2010__-APE0610__dhy	50.65	20.41	0.40	0.65
PE0080__-APE0230__	PE0080__-APE0230__dhy	199.50	19.88	0.40	0.65	PC2011__-APE0610__	PC2011__-APE0610__dhy	13.57	20.43	0.40	0.65
PE0075__-APE0230__	PE0075__-APE0230__dhy	205.50	19.88	0.40	0.65	PC2013__-APE0610__	PC2013__-APE0610__dhy	18.25	20.50	0.40	0.65
PE0070__-APE0230__	PE0070__-APE0230__dhy	148.50	19.88	0.40	0.65	PC2014__-APE0610__	PC2014__-APE0610__dhy	10.39	20.52	0.40	0.65

CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2	CODICE	CONNESSIONE	l_{soglia} [m]	h_{soglia} [m s.l.m.]	μ_1	μ_2
PE0065__-APE0228__	PE0065__-APE0228__dhy	108.00	19.80	0.40	0.65	PC2015__-APE0604__	PC2015__-APE0604__dhy	31.37	20.53	0.40	0.65
PE0055S__-APE0228__	PE0055S__-APE0228__dhy	3.00	20.01	0.40	0.65	PC2016__-APE0604__	PC2016__-APE0604__dhy	34.53	20.62	0.40	0.65
PE0050__-APE0164__	PE0050__-APE0164__dhy	193.50	20.48	0.40	0.65	PC2017__-APE0604__	PC2017__-APE0604__dhy	19.15	20.64	0.40	0.65
PE0045__-APE0164__	PE0045__-APE0164__dhy	196.50	20.33	0.40	0.65	PC2018__-APE0604__	PC2018__-APE0604__dhy	22.62	20.67	0.40	0.65
PE0040__-APE0164__	PE0040__-APE0164__dhy	199.50	20.45	0.40	0.65	PC2019__-APE0604__	PC2019__-APE0604__dhy	24.72	20.71	0.40	0.65
PE0035__-APE0164__	PE0035__-APE0164__dhy	204.00	20.78	0.40	0.65	PC2020__-APE0604__	PC2020__-APE0604__dhy	23.95	20.75	0.40	0.65
PE0030__-APE0164__	PE0030__-APE0164__dhy	202.50	20.98	0.40	0.65	PC2022__-APE0604__	PC2022__-APE0604__dhy	24.41	20.84	0.40	0.65
PE0025__-APE0164__	PE0025__-APE0164__dhy	175.50	21.40	0.40	0.65	PC2023__-APE0604__	PC2023__-APE0604__dhy	9.31	20.86	0.40	0.65
PE0020__-APE0164__	PE0020__-APE0164__dhy	75.00	22.44	0.40	0.65	PC2025__-APE0604__	PC2025__-APE0604__dhy	8.44	20.89	0.40	0.65
PE0015__-APE0156__	PE0015__-APE0156__dhy	222.00	21.59	0.40	0.65	PC2026__-APE0604__	PC2026__-APE0604__dhy	4.94	20.90	0.40	0.65
PE0010__-APE0142__	PE0010__-APE0142__dhy	328.50	21.03	0.40	0.65	PC2027__-APE0604__	PC2027__-APE0604__dhy	6.51	20.91	0.40	0.65
PE1001_A-APE0140__	PE1001_A-APE0140__dhy	0.75	23.18	0.40	0.65	PC2028__-APE0604__	PC2028__-APE0604__dhy	9.25	20.93	0.40	0.65
CE0125__-APE0570__	CE0125__-APE0570__dhy	93.75	19.13	0.40	0.65	PC2029__-APE0604__	PC2029__-APE0604__dhy	11.60	20.94	0.40	0.65
GM0230__-APE0140__	GM0230__-APE0140__dhy	15.75	22.63	0.40	0.65	PC2030__-APE0604__	PC2030__-APE0604__dhy	19.56	20.96	0.40	0.65
GM0225__-APE0140__	GM0225__-APE0140__dhy	15.75	22.67	0.40	0.65	PC2031__-APE0604__	PC2031__-APE0604__dhy	37.01	21.00	0.40	0.65
GM0215__-APE0140__	GM0215__-APE0140__dhy	12.75	23.14	0.40	0.65	PC2032__-APE0604__	PC2032__-APE0604__dhy	46.26	21.22	0.40	0.65
GM0220__-APE0140__	GM0220__-APE0140__dhy	10.50	23.51	0.40	0.65	PC2033__-APE0604__	PC2033__-APE0604__dhy	4.38	21.23	0.40	0.65
GM0200__-APE0140__	GM0200__-APE0140__dhy	18.00	22.88	0.40	0.65	PC2034__-APE0604__	PC2034__-APE0604__dhy	2.28	21.23	0.40	0.65
GM0205__-APE0140__	GM0205__-APE0140__dhy	15.75	22.76	0.40	0.65	PC2035__-APE0604__	PC2035__-APE0604__dhy	2.36	21.24	0.40	0.65
GM0210__-APE0140__	GM0210__-APE0140__dhy	15.75	23.06	0.40	0.65	PC2036__-APE0604__	PC2036__-APE0604__dhy	3.97	21.25	0.40	0.65
GM0195__-APE0140__	GM0195__-APE0140__dhy	24.75	23.01	0.40	0.65	PC2037__-APE0604__	PC2037__-APE0604__dhy	4.66	21.26	0.40	0.65
GM0190__-APE0140__	GM0190__-APE0140__dhy	22.50	23.40	0.40	0.65	PC2038__-APE0604__	PC2038__-APE0604__dhy	7.47	21.27	0.40	0.65
GM0185__-APE0140__	GM0185__-APE0140__dhy	19.50	23.18	0.40	0.65	PC2040__-APE0604__	PC2040__-APE0604__dhy	4.80	21.29	0.40	0.65
GM0180__-APE0140__	GM0180__-APE0140__dhy	32.25	23.89	0.40	0.65	PC2041__-APE0604__	PC2041__-APE0604__dhy	8.47	21.30	0.40	0.65
VE0005__-APE_BIDI	VE0005__-APE_BIDI	183.00	16.81	0.40	0.65	PC2001__-APE0612__	PC2001__-APE0612__dhy	41.51	20.01	0.40	0.65
VE0010__-APE_BIDI	VE0010__-APE_BIDI	117.00	16.86	0.40	0.65	PC2005__-APE0610__	PC2005__-APE0610__dhy	6.55	20.19	0.40	0.65
VE0015__-APE_BIDI	VE0015__-APE_BIDI	115.50	16.93	0.40	0.65	PC2012__-APE0610__	PC2012__-APE0610__dhy	21.78	20.45	0.40	0.65
VE0020__-APE_BIDI	VE0020__-APE_BIDI	112.50	16.84	0.40	0.65	PC2002_C-APE0612__	PC2002_C-APE0612__dhy	1.50	20.01	0.40	0.65
VE0025__-APE_BIDI	VE0025__-APE_BIDI	243.00	16.78	0.40	0.65	PC2021__-APE0604__	PC2021__-APE0604__dhy	32.23	20.79	0.40	0.65
VE0030__-APE_BIDI	VE0030__-APE_BIDI	274.50	16.61	0.40	0.65	PC2039__-APE0604__	PC2039__-APE0604__dhy	7.12	21.28	0.40	0.65
VE0035__-APE_BIDI	VE0035__-APE_BIDI	217.50	16.48	0.40	0.65	PC2042__-APE0604__	PC2042__-APE0604__dhy	8.60	21.31	0.40	0.65
VE0040__-APE_BIDI	VE0040__-APE_BIDI	24.60	16.59	0.40	0.65	PC2043__-APE0604__	PC2043__-APE0604__dhy	3.49	21.32	0.40	0.65
VE0045__-APE_BIDI	VE0045__-APE_BIDI	52.20	17.28	0.40	0.65	-	-	-	-	-	-

**Caratteristiche delle portelle di collegamento
modello idraulico - Stato Attuale**

CODICE	CONNESSIONE	L [m]	h [m]	Hsoglia [m s.l.m.]	Apertura [%]	Clapet
PO_001	APE0237B-PP0230__	2.50	3.00	17.15	100	SI
PO_002	APE_BIDI-PP0140__	1.50	0.50	22.50	100	SI
PO_007	APE_BIDI-MC2064__	0.80	1.00	16.00	100	SI
PO_006	APE_BIDI-MC2069__	0.80	1.00	16.00	100	SI
PO_005	APE_BIDI-MC2072__	0.50	1.00	17.00	100	SI
PO_015	APE_BIDI-MC2080__	3.00	2.20	18.50	100	SI
PO_016	APE_BIDI-VE0100__	0.50	1.00	13.80	100	SI
PO_017	APE_BIDI-VE1105__	0.50	1.00	13.40	100	SI
PO_021	APE_BIDI-PP1405__	1.00	1.00	14.20	100	SI
PO_022	APE_BIDI-	1.00	1.00	12.90	100	SI
PO_023	APE_BIDI-FP2010__	1.00	1.00	12.85	100	SI
PO_024	APE_BIDI-MC2044__	1.00	1.00	12.65	100	SI
PO_026	APE_BIDI-	0.50	0.70	16.00	100	NO
PO_027	APE_BIDI-	0.50	0.80	14.50	100	NO
PO_028	APE_BIDI-APE_BIDI	0.50	0.70	14.50	100	NO
PO_031	APE_BIDI-CA2008A__	1.00	1.00	12.90	100	SI
PO_032	APE_BIDI-CA2003A__	1.00	1.00	14.70	100	NO
PO_033	APE_BIDI-VE0035__	1.00	1.00	14.80	100	SI

**Caratteristiche delle idrovore
modello idraulico - Stato Attuale**

CODICE	CONNESSIONE	Pompe [#]	A ₁ [m³/m²]	A ₂ [m³/m]	A ₃ [m³]	Hattacco [m s.l.m.]	Hstacco [m s.l.m.]
ID_001	PM0115_D-PP1095__	1.00	0.00	0.00	1.00	24.00	23.00