LISTATO DI CALCOLO – FASE 3

RICERCA SUPERFICIE CRITICA CIRCOLARE

Analisi di stabilità dei pendii con: JANBU (1956)

Lat./Long.	44.417087/9.129564
Normativa	NTC 2008
Numero di strati	3.0
Numero dei conci	10.0
Grado di sicurezza ritenuto accettabile	1.1
Coefficiente parziale resistenza	1.1
Analisi	Condizione drenata
Superficie di forma circolare	

Maglia dei Centri

Ascissa vertice sinistro inferiore xi	0.0 m
Ordinata vertice sinistro inferiore yi	80.0 m
Ascissa vertice destro superiore xs	160.0 m
Ordinata vertice destro superiore ys	350.0 m
Passo di ricerca	10.0
Numero di celle lungo x	20.0
Numero di celle lungo y	20.0

Coefficienti sismici [N.T.C.]

Dati generali

Tipo opera:	2 - Opere ordinarie
Classe d'uso:	Classe II
Vita nominale:	50.0 [anni]
Vita di riferimento:	50.0 [anni]

Parametri sismici su sito di riferimento

Categoria sottosuolo:	C
Categoria topografica:	T3

S.L. Stato limite	TR Tempo ritorno [anni]	ag [m/s²]	F0 [-]	TC* [sec]
S.L.O.	30.0	0.28	2.5	0.2
S.L.D.	50.0	0.35	2.55	0.22
S.L.V.	475.0	0.85	2.51	0.28
S.L.C.	975.0	1.13	2.48	0.29

Coefficienti sismici orizzontali e verticali

Opera: Stabilità dei pendii e Fondazioni

S.L. Stato limite	amax [m/s²]	beta [-]	kh [-]	kv [sec]
S.L.O.	0.504	0.2	0.0103	0.0051
S.L.D.	0.63	0.2	0.0128	0.0064
S.L.V.	1.53	0.2	0.0312	0.0156
S.L.C.	2.034	0.24	0.0498	0.0249

Coefficiente azione sismica orizzontale	0.031
Coefficiente azione sismica verticale	0.01 6

Vertici profilo

N	X m	y m
1	0.0	0.0
2	5.02	2.5
3	10.01	2.0
4	15.11	1.47
5	16.36	1.44
6	18.66	2.93
7	21.06	7.15
8	22.59	7.61
9	26.5	8.1
10	32.75	9.52
11	40.67	11.99
12	40.77	12.42
13	44.29	12.42
14	44.29	18.42
15	61.04	24.74
16	66.48	24.74
17	66.48	28.74
18	67.51	28.74
19	71.75	31.66
20	75.51	31.66
21	75.53	31.7
22	77.61	31.7
23	77.61	35.7
24	83.36	38.58
25	91.36	38.58
26	91.36	42.58
27	95.19	44.17
28	103.12	44.17
29	103.12	48.17
30	115.54	50.26
31	121.1	50.26
32	121.49	51.04
33	124.11	51.04
34	124.11	55.04
35	132.31	58.76
36	137.8	58.76
37	137.82	58.81
38	141.29	58.81
39	141.29	62.81
40	145.87	64.54
41	152.55	64.54
42	152.65	64.81
43	155.38	64.81
44	155.38	68.81
45	163.1	70.49
46	168.12	70.52
47	168.25	70.89
48	171.47	70.89
49	171.47	74.89
50	179.02	76.51
51	184.03	76.54
52	184.15	76.85
53	187.11	76.85
54	187.11	80.85
55	194.73	82.47
56	199.74	82.5
57	199.83	82.74
58	202.45	82.74
59	202.45	86.74
60	210.56	88.51
61	215.57	88.54
62	215.71	88.9
63	218.84	88.9
64	218.84	92.9
65	226.36	94.51

66	231.37	94.54
67	231.49	94.86
68	234.47	94.86
69	234.47	98.86
70	242.18	100.51
71	247.19	100.54
72	247.31	100.86
73	250.26	100.86
74	250.26	104.86
75	258.02	106.57
76	263.03	106.6
77	263.16	106.95
78	266.35	106.95
79	266.35	110.95
80	273.9	112.51
81	278.91	112.54
82	279.04	112.89
83	282.14	112.89
84	282.14	116.89
85	289.66	118.51
86	294.67	118.54
87	294.82	118.95
88	298.23	118.95
89	298.23	122.95
90	305.6	124.51
91	310.61	124.54
92	310.63	124.58
93	313.87	124.58
94	313.87	128.58
95	433.8	133.0 2

Falda

Nr.	X (m)	y (m)
1	0.0	0.0
2	5.02	2.5
3	10.01	2.0
4	15.11	1.47
5	16.36	1.44
6	18.66	2.93
7	20.45	6.09
8	102.78	20.1
9	102.8	20.1
10	159.6	43.29
11	159.6	43.29
12	294.28	93.94
13	294.29	93.95
14	330.58	113.29
15	330.6	113.29
16	363.07	118.29
17	363.1	118.29
18	414.23	131.4 5

Vertici strato 1

N	X (m)	y (m)
1	0.0	0.0
2	5.02	2.5
3	5.02	2.5
4	5.02	2.5
5	10.01	2.0
6	15.11	1.47
7	16.36	1.44
8	18.66	2.93
9	21.06	7.15
10	22.59	7.61
11	26.5	8.1
12	32.75	9.52

13	42.61	12.6
14	48.71	13.21
15	53.26	14.02
16	58.12	15.53
17	64.29	17.64
18	70.5	18.02
19	81.13	21.02
20	93.9	23.5
21	101.03	24.85
22	109.98	30.03
23	118.88	31.91
24	128.0	36.58
25	139.9	40.13
26	142.92	40.79
27	159.6	43.29
28	172.1	48.29
29	184.1	53.29
30	192.1	58.29
31	200.1	63.29
32	216.6	68.29
33	239.1	73.29
34	264.1	78.29
35	274.1	83.29
36	284.1	88.29
37	292.6	93.29
38	300.6	98.29
39	308.1	103.29
40	318.1	108.29
41	330.6	113.29
42	363.1	118.29
43	370.6	123.29
44	375.1	128.29
45	433.8	133.0 2

Vertici strato 2

N	X (m)	y (m)
1	0.0	0.0
2	5.02	2.5
3	5.02	2.5
4	10.01	2.0
5	15.11	1.47
6	16.36	1.44
7	18.66	2.93
8	19.56	4.52
9	22.25	5.7
10	66.68	13.34
11	100.36	19.1
12	118.09	19.1
13	161.53	39.47
14	200.09	51.87
15	224.02	63.38
16	261.26	69.58
17	289.18	80.21
18	310.9	95.71
19	344.58	107.22
20	376.94	110.76
21	433.8	116.05

Coefficienti parziali per i parametri geotecnici del terreno

Tangente angolo di resistenza al taglio	1.25
Coesione efficace	1.25
Coesione non drenata	1.4
Riduzione parametri geotecnici terreno	Si

Stratigrafia

c: coesione; cu: coesione non drenata; Fi: Angolo di attrito; G: Peso Specifico; Gs: Peso Specifico Saturo; K: Modulo di Winkler

Strato	c (kg/cm²)	cu (kg/cm²)	Fi (°)	G (Kg/m³)	Gs (Kg/m³)	K (Kg/cm³)	Litologia	
1	0.0383		29.6	1837	2000	0.00		
2	0		26.51	1695	1800	0.00		
3	0.4352		33.31	2402	2500	0.00		

Muri di sostegno - Caratteristiche geometriche

N°	x (m)	y (m)	Base mensola a valle (m)	Base mensola a monte (m)	Altezza muro (m)	Spessore testa (m)	Spessore base (m)	Peso specifico (Kg/m³)
1	44.29	12.42	0	0	6	2	4	2800
2	124.11	51.04	0	0	4	3	4	2800
3	155.38	64.81	0	0	4	3	4	2800
4	171.47	70.89	0	0	4	3	4	2800
5	187.11	76.85	0	0	4	3	4	2800
6	202.45	82.74	0	0	4	3	4	2800
7	218.84	88.9	0	0	4	3	4	2800
8	234.47	94.86	0	0	4	3	4	2800
9	250.26	100.86	0	0	4	3	4	2800
10	266.35	106.95	0	0	4	3	4	2800
11	282.14	112.89	0	0	4	3	4	2800
12	298.23	118.95	0	0	4	3	4	2800
13	313.87	124.58	0	0	4	3	4	2800
14	66.48	24.74	0	0	4	3	4	2800
15	91.36	38.58	0	0	4	3	4	2800
16	103.12	44.17	0	0	4	3	4	2800
17	77.61	31.7	0	0	4	3	4	2800
18	141.29	58.81	0	0	4	3	4	280 0

Pali...

N°	x (m)	y (m)	Diametro (m)	Lunghezza (m)	Inclinazione (°)	Interasse (m)
1	43.70198	11.42477	0.2	6	90	3.6
2	41.49123	11.42477	0.2	6	90	3.6
3	45.17582	18.75877	0.22	12	90	0.5
4	39.13303	11.51611	0.22	6	90	0.5

Risultati analisi pendio [NTC 2008: [A2+M2+R2]]

Fs minimo individuato	1.1
Ascissa centro superficie	48.0 m
Ordinata centro superficie	80.0 m
Raggio superficie	67.52 m

Numero di superfici esaminate....(463)

N°	Xo	Yo	Ro	Fs
1	8.0	80.0	72.5	20.00
2	24.0	80.0	75.3	1.37
3	28.0	86.8	81.7	1.62
4	32.0	80.0	75.7	1.60

5	36.0	86.8	81.7	1.53
6	40.0	80.0	67.5	1.15
7	44.0	86.8	81.8	1.51
8	48.0	80.0	67.5	1.10
9	52.0	86.8	72.8	1.20
10	56.0	80.0	50.7	1.10
11	60.0	86.8	54.8	1.50
12	64.0	80.0	67.5	1.43
13	68.0	86.8	72.7	1.32
14	72.0	80.0	67.5	1.47
15	76.0	86.8	72.8	1.52
16	80.0	80.0	67.6	1.47
17	84.0	86.8	54.9	1.78
18	92.0	86.8	72.6	1.62
19	96.0	80.0	67.2	1.74
20	100.0	86.8	63.9	1.35
21	104.0	80.0	58.9	1.37
22	108.0	86.8	37.0	1.13
23	112.0	80.0	50.4	1.62
24	116.0	86.8	63.9	1.55
25	120.0	80.0	25.5	1.67
26	124.0	86.8	45.7	1.47
27	128.0	80.0	51.2	1.65
28	132.0	86.8	27.7	1.28
29	136.0	80.0	42.0	1.49
30	140.0	86.8	54.7	1.39
31	144.0	80.0	50.7	1.67
32	148.0	86.8	36.4	1.92
33	152.0	80.0	59.1	1.98
34	156.0	86.8	54.6	1.46
35	160.0	80.0	50.5	1.81
36	8.0	93.5	84.5	20.00
37	32.0	93.5	87.8	1.55
38	40.0	93.5	87.8	1.54
39	44.0	100.3	83.5	1.42
40	48.0	93.5	78.0	1.32
41	52.0	100.3	83.5	1.40
42	60.0	100.3	83.5	1.30
43	64.0	93.5	78.0	1.20
44	68.0	100.3	62.8	1.92
45	72.0	93.5	68.3	1.48
46	76.0	100.3	73.2	1.63
47	80.0	93.5	87.8	1.63
48	84.0	100.3	83.5	1.34
49	88.0	93.5	68.3	1.46
50	92.0	100.3	93.8	1.75
51	96.0	93.5	68.3	1.37
52	100.0	100.3	52.4	4.65
53	104.0	93.5	78.1	1.54
54	108.0	100.3	73.1	1.32
55	112.0	93.5	68.3	1.44
56	116.0	100.3	83.5	1.71
57	120.0	93.5	58.7	1.49
58	124.0	100.3	52.3	1.61
59	128.0	93.5	78.1	1.83
60	132.0	100.3	62.7	1.53
61	136.0	93.5	58.7	1.27
62	140.0	100.3	73.1	1.71
63	144.0	93.5	39.3	1.70
64	148.0	100.3	62.7	1.46
65	152.0	93.5	58.7	1.82
66	156.0	100.3	73.0	1.65
67	160.0	93.5	39.0	1.51

68	28.0	113.8	105.5	1.14
69	32.0	107.0	99.9	1.40
70	44.0	113.8	94.4	1.52
71	48.0	107.0	88.8	1.45
72	52.0	113.8	106.1	1.59
73	56.0	107.0	99.9	1.65
74	60.0	113.8	94.4	1.39
75	68.0	113.8	94.3	1.25
76	72.0	107.0	88.8	1.24
77	76.0	113.8	94.4	1.33
78	80.0	107.0	88.8	1.32
79	84.0	113.8	71.0	5.97
80	92.0	113.8	82.5	1.52
81	96.0	107.0	99.9	1.70
82	104.0	107.0	77.7	1.34
83	108.0	113.8	82.7	1.51
84	112.0	107.0	88.8	1.65
85	116.0	113.8	82.7	1.50
86	120.0	107.0	77.7	1.45
87	128.0	107.0	99.9	1.73
88	132.0	113.8	82.7	1.59
89	136.0	107.0	66.6	1.50
90	140.0	113.8	71.0	1.65
91	144.0	107.0	66.6	1.55
92	148.0	113.8	71.0	1.52
93	152.0	107.0	77.7	1.70
94	156.0	113.8	82.4	1.76
95	160.0	107.0	55.5	1.81
96	8.0	120.5	108.8	20.00
97	28.0	127.3	117.5	1.28
98	32.0	120.5	112.2	1.44
99	36.0	127.3	118.4	1.45
100	40.0	120.5	112.2	1.52
101	48.0	120.5	99.9	1.56
102	56.0	120.5	99.9	1.44
103	60.0	127.3	118.4	1.44
104	64.0	120.5	99.8	1.36
105	76.0	127.3	105.5	1.33
106	80.0	120.5	99.7	1.32
107	84.0	127.3	118.4	1.66
108	88.0	120.5	112.1	1.67
109	92.0	127.3	92.0	1.66
110	96.0	120.5	87.2	1.60
111	100.0	127.3	105.5	1.23
112	104.0	120.5	99.6	1.44
113	108.0	127.3	105.5	1.55
114	112.0	120.5	99.7	1.55
115	116.0	127.3	118.4	1.77
116	120.0	120.5	62.7	1.55
117	124.0	127.3	92.2	1.38
118	128.0	120.5	87.5	1.34
119	132.0	127.3	79.8	1.62
120	140.0	127.3	105.4	1.84
121	144.0	120.5	75.3	1.52
122	148.0	127.3	67.0	1.83
123	152.0	120.5	87.6	1.74
124	156.0	127.3	78.8	1.61
125	160.0	120.5	63.0	1.75
126	8.0	134.0	121.8	20.00
127	20.0	140.8	129.6	1.36
128	44.0	140.8	130.4	1.40
129	48.0	134.0	124.5	1.47
130	52.0	140.8	130.9	1.43

131	56.0	134.0	125.1	1.44
132	60.0	140.8	103.7	2.03
133	64.0	134.0	111.2	1.53
134	68.0	140.8	130.3	1.35
135	72.0	134.0	124.4	1.51
136	76.0	140.8	130.6	1.58
137	80.0	134.0	124.3	1.56
138	84.0	140.8	116.8	1.30
139	88.0	134.0	97.9	1.74
140	92.0	140.8	115.9	1.33
141	96.0	134.0	110.9	1.23
142	100.0	140.8	102.1	1.60
143	108.0	140.8	116.5	1.41
144	112.0	134.0	110.8	1.40
145	116.0	140.8	130.3	1.80
146	120.0	134.0	98.1	1.42
147	124.0	140.8	101.7	1.52
148	128.0	134.0	97.5	1.48
149	132.0	140.8	117.2	1.72
150	136.0	134.0	111.6	1.81
151	140.0	140.8	87.8	1.76
152	144.0	134.0	83.5	1.66
153	148.0	140.8	103.0	1.50
154	152.0	134.0	84.5	1.60
155	156.0	140.8	87.0	1.72
156	160.0	134.0	124.5	1.71
157	20.0	154.3	142.5	1.36
158	28.0	154.3	128.9	1.80
159	32.0	147.5	137.2	1.25
160	40.0	147.5	136.9	1.43
161	52.0	154.3	127.9	1.75
162	68.0	154.3	126.6	1.53
163	72.0	147.5	121.4	1.44
164	76.0	154.3	111.2	2.07
165	80.0	147.5	121.4	1.43
166	84.0	154.3	142.9	1.65
167	88.0	147.5	136.8	1.65
168	92.0	154.3	126.8	1.35
169	100.0	154.3	127.4	1.26
170	104.0	147.5	121.3	1.21
171	108.0	154.3	142.7	1.72
172	112.0	147.5	108.1	1.54
173	116.0	154.3	127.7	1.43
174	120.0	147.5	121.4	1.44
175	124.0	154.3	111.2	1.52
176	128.0	147.5	121.7	1.73
177	132.0	154.3	112.8	1.49
178	136.0	147.5	108.0	1.34
179	140.0	154.3	142.7	1.71
180	144.0	147.5	106.5	1.29
181	152.0	147.5	92.7	1.67
182	156.0	154.3	110.9	1.36
183	160.0	147.5	107.1	1.67
184	0.0	161.0	148.5	1.92
185	16.0	161.0	148.6	1.49
186	32.0	161.0	134.0	1.64
187	44.0	167.8	154.7	1.14
188	68.0	167.8	154.6	1.29
189	76.0	167.8	137.7	1.45
190	80.0	161.0	132.2	1.45
191	84.0	167.8	121.6	4.19
192	88.0	161.0	133.0	1.36
193	92.0	167.8	154.7	1.66

194	96.0	161.0	148.8	1.63
195	100.0	167.8	155.0	1.65
196	104.0	161.0	115.7	1.63
197	108.0	167.8	138.1	1.29
198	112.0	161.0	132.6	1.33
199	116.0	167.8	154.9	1.73
200	120.0	161.0	116.7	1.61
201	124.0	167.8	137.7	1.51
202	128.0	161.0	132.5	1.67
203	132.0	167.8	121.7	1.46
204	136.0	161.0	149.2	1.73
205	140.0	167.8	121.0	1.53
206	144.0	161.0	115.9	1.40
207	148.0	167.8	138.5	1.76
208	152.0	161.0	116.9	1.33
209	156.0	167.8	120.4	1.38
210	32.0	174.5	161.0	1.30
211	36.0	181.3	149.8	2.13
212	40.0	174.5	161.2	1.17
213	44.0	181.3	148.5	3.84
214	52.0	181.3	167.4	1.16
215	60.0	181.3	167.6	1.25
216	64.0	174.5	161.1	1.29
217	68.0	181.3	148.3	1.74
218	72.0	174.5	161.0	1.47
219	76.0	181.3	148.9	1.55
220	84.0	181.3	148.8	1.51
221	88.0	174.5	161.2	1.69
222	92.0	181.3	130.0	2.37
223	96.0	174.5	143.4	1.41
224	104.0	174.5	125.2	11.02
225	108.0	181.3	148.8	1.31
226	112.0	174.5	161.0	1.72
227	116.0	181.3	148.9	1.35
228	120.0	174.5	143.5	1.57
229	128.0	174.5	160.8	1.73
230	132.0	181.3	148.2	1.55
231	136.0	174.5	161.3	1.65
232	140.0	181.3	130.5	1.54
233	144.0	174.5	143.1	1.72
234	148.0	181.3	131.2	1.35
235	152.0	174.5	126.4	1.43
236	156.0	181.3	129.9	1.47
237	20.0	194.8	178.8	1.57
238	28.0	194.8	178.9	1.44
239	36.0	194.8	179.2	1.34
240	40.0	188.0	154.8	2.11
241	44.0	194.8	159.4	4.49
242	48.0	188.0	173.0	1.18
243	56.0	188.0	173.8	1.17
244	68.0	194.8	178.9	1.25
245	72.0	188.0	173.1	1.41
246	80.0	188.0	172.8	1.54
247	84.0	194.8	159.0	1.58
248	92.0	194.8	159.3	1.56
249	96.0	188.0	154.2	1.54
250	100.0	194.8	140.6	3.42
251	104.0	188.0	153.8	1.49
252	112.0	188.0	155.0	1.37
253	116.0	194.8	179.9	1.57
254	120.0	188.0	135.4	1.79
255	124.0	194.8	159.4	1.40
256	132.0	194.8	140.3	1.78

257	140.0	194.8	140.0	1.55
258	144.0	188.0	153.8	1.65
259	148.0	194.8	140.6	1.58
260	152.0	188.0	135.9	1.55
261	156.0	194.8	179.0	1.65
262	160.0	188.0	135.3	1.43
263	44.0	208.3	191.2	1.30
264	48.0	201.5	164.8	3.30
265	52.0	208.3	191.6	1.17
266	60.0	208.3	191.9	1.24
267	100.0	208.3	191.5	1.55
268	104.0	201.5	144.2	2.37
269	108.0	208.3	191.3	1.56
270	112.0	201.5	185.6	1.57
271	124.0	208.3	170.2	1.26
272	128.0	201.5	185.2	1.55
273	132.0	208.3	170.4	1.47
274	136.0	201.5	165.1	1.68
275	140.0	208.3	149.1	1.69
276	152.0	201.5	145.4	1.60
277	156.0	208.3	170.0	1.53
278	160.0	201.5	185.2	1.65
279	24.0	215.0	196.9	1.54
280	32.0	215.0	197.0	1.47
281	40.0	215.0	197.4	1.36
282	48.0	215.0	197.3	1.25
283	52.0	221.8	181.8	2.74
284	60.0	221.8	204.1	1.20
285	80.0	215.0	197.1	1.38
286	92.0	221.8	180.9	1.68
287	96.0	215.0	197.3	1.56
288	100.0	221.8	203.7	1.56
289	108.0	221.8	181.1	1.49
290	112.0	215.0	155.3	3.05
291	116.0	221.8	182.6	1.47
292	120.0	215.0	176.4	1.33
293	140.0	221.8	181.1	1.54
294	144.0	215.0	175.3	1.57
295	152.0	215.0	176.3	1.54
296	156.0	221.8	180.9	1.51
297	160.0	215.0	154.1	1.61
298	48.0	228.5	209.4	1.31
299	56.0	228.5	210.2	1.26
300	60.0	235.3	193.2	2.61
301	64.0	228.5	209.8	1.21
302	68.0	235.3	191.6	2.74
303	76.0	235.3	215.7	1.31
304	80.0	228.5	209.3	1.42
305	84.0	235.3	215.7	1.40
306	88.0	228.5	209.7	1.48
307	116.0	235.3	193.5	1.42
308	120.0	228.5	187.3	1.39
309	124.0	235.3	215.6	1.55
310	128.0	228.5	209.4	1.56
311	136.0	228.5	210.0	1.55
312	140.0	235.3	192.1	1.37
313	144.0	228.5	186.1	1.52
314	148.0	235.3	191.8	1.54
315	152.0	228.5	186.4	1.56
316	156.0	235.3	215.5	1.66
317	160.0	228.5	163.5	1.48
318	56.0	242.0	198.8	4.18
319	60.0	248.8	204.1	2.38

320	64.0	242.0	221.9	1.22
321	72.0	242.0	221.7	1.28
322	76.0	248.8	203.1	3.77
323	84.0	248.8	227.8	1.36
324	92.0	248.8	227.7	1.53
325	96.0	242.0	221.5	1.54
326	108.0	248.8	202.7	1.61
327	124.0	248.8	202.7	1.53
328	128.0	242.0	197.1	1.38
329	132.0	248.8	228.0	1.56
330	136.0	242.0	198.3	1.32
331	148.0	248.8	203.1	1.33
332	156.0	248.8	202.4	1.43
333	160.0	242.0	197.3	1.57
334	24.0	255.5	233.2	1.59
335	64.0	255.5	208.7	3.72
336	68.0	262.3	239.8	1.22
337	76.0	262.3	240.1	1.35
338	80.0	255.5	233.6	1.34
339	100.0	262.3	239.7	1.50
340	108.0	262.3	239.8	1.50
341	112.0	255.5	208.8	1.51
342	124.0	262.3	213.5	1.42
343	128.0	255.5	233.7	1.54
344	132.0	262.3	214.1	1.45
345	136.0	255.5	209.1	1.32
346	144.0	255.5	207.7	1.29
347	148.0	262.3	240.0	1.64
348	152.0	255.5	234.1	1.66
349	156.0	262.3	213.4	1.40
350	36.0	275.8	251.3	1.48
351	60.0	275.8	252.7	1.35
352	64.0	269.0	246.3	1.31
353	76.0	275.8	224.7	3.97
354	96.0	269.0	245.9	1.42
355	116.0	275.8	252.8	1.53
356	120.0	269.0	246.4	1.54
357	124.0	275.8	224.4	1.48
358	132.0	275.8	224.8	1.38
359	140.0	275.8	224.6	1.43
360	144.0	269.0	218.4	1.36
361	148.0	275.8	252.2	1.65
362	152.0	269.0	219.6	1.32
363	156.0	275.8	224.2	1.33
364	160.0	269.0	218.8	1.38
365	0.0	282.5	258.9	2.14
366	68.0	289.3	264.1	1.20
367	76.0	289.3	235.6	5.85
368	80.0	282.5	257.9	1.34
369	92.0	289.3	264.2	1.44
370	100.0	289.3	264.5	1.46
371	104.0	282.5	258.0	1.46
372	112.0	282.5	258.4	1.49
373	116.0	289.3	264.8	1.55
374	120.0	282.5	230.6	1.48
375	124.0	289.3	264.2	1.55
376	140.0	289.3	235.4	1.46
377	144.0	282.5	257.9	1.65
378	148.0	289.3	235.4	1.36
379	152.0	282.5	230.4	1.33
380	156.0	289.3	235.0	1.30
381	160.0	282.5	229.6	1.34
382	4.0	302.8	276.8	2.68

383	40.0	296.0	269.5	1.42
384	48.0	296.0	270.0	1.34
385	56.0	296.0	270.9	1.28
386	76.0	302.8	276.6	1.22
387	80.0	296.0	240.2	2.59
388	84.0	302.8	276.4	1.31
389	88.0	296.0	270.7	1.48
390	96.0	296.0	270.1	1.45
391	108.0	302.8	276.2	1.44
392	112.0	296.0	270.4	1.42
393	116.0	302.8	276.7	1.47
394	120.0	296.0	241.4	1.56
395	136.0	296.0	241.7	1.51
396	140.0	302.8	276.5	1.65
397	144.0	296.0	270.0	1.66
398	148.0	302.8	246.1	1.42
399	152.0	296.0	241.3	1.34
400	156.0	302.8	276.3	1.69
401	160.0	296.0	240.3	1.29
402	0.0	309.5	283.2	1.77
403	52.0	316.3	288.7	1.37
404	60.0	316.3	289.2	1.33
405	64.0	309.5	282.8	1.21
406	72.0	309.5	282.3	1.23
407	84.0	316.3	288.5	1.34
408	88.0	309.5	252.2	4.90
409	92.0	316.3	288.5	1.51
410	96.0	309.5	282.3	1.48
411	100.0	316.3	288.7	1.44
412	108.0	316.3	288.4	1.41
413	112.0	309.5	282.2	1.47
414	128.0	309.5	282.2	1.66
415	132.0	316.3	288.7	1.66
416	136.0	309.5	252.5	1.53
417	144.0	309.5	282.2	1.68
418	148.0	316.3	256.9	1.46
419	152.0	309.5	282.8	1.69
420	156.0	316.3	256.7	1.44
421	160.0	309.5	251.1	1.40
422	0.0	323.0	295.4	2.31
423	12.0	329.8	300.5	3.74
424	36.0	329.8	299.6	1.71
425	68.0	329.8	300.6	1.27
426	76.0	329.8	300.9	1.22
427	80.0	323.0	294.4	1.20
428	88.0	323.0	262.9	2.03
429	92.0	329.8	267.6	3.00
430	96.0	323.0	261.8	2.83
431	100.0	329.8	300.9	1.44
432	104.0	323.0	294.6	1.44
433	120.0	323.0	262.6	1.79
434	128.0	323.0	294.3	1.67
435	132.0	329.8	300.8	1.67
436	136.0	323.0	263.3	1.47
437	144.0	323.0	294.4	1.69
438	148.0	329.8	267.7	1.51
439	152.0	323.0	262.9	1.48
440	156.0	329.8	267.5	1.50
441	160.0	323.0	261.9	1.48
442	16.0	336.5	306.3	3.56
443	100.0	343.3	278.8	2.43
444	104.0	336.5	273.0	4.04
445	108.0	343.3	312.6	1.46

446	116.0	343.3	312.9	1.50
447	120.0	336.5	306.6	1.59
448	124.0	343.3	312.9	1.67
449	128.0	336.5	306.5	1.67
450	132.0	343.3	312.9	1.69
451	136.0	336.5	274.1	1.52
452	140.0	343.3	313.0	1.71
453	148.0	343.3	278.4	1.47
454	152.0	336.5	273.8	1.51
455	156.0	343.3	278.4	1.48
456	40.0	350.0	317.8	1.57
457	104.0	350.0	283.8	3.49
458	112.0	350.0	319.1	1.52
459	120.0	350.0	318.7	1.70
460	136.0	350.0	319.4	1.72
461	144.0	350.0	318.7	1.74
462	152.0	350.0	284.6	1.47
463	160.0	350.0	314.5	1.82

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CARICO LIMITE PALI
xc = 40.00 yc = 80.00 Rc = 67.509 Fs=1.1451

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=5839.2 Kg Sbalzo del palo 6.56 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 48.00 yc = 80.00 Rc = 67.519 Fs=1.0965

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=5839.2 Kg Sbalzo del palo 7.13 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 52.00 yc = 86.75 Rc = 72.763 Fs=1.1972

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=5839.2 Kg Sbalzo del palo 5.64 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 56.00 yc = 80.00 Rc = 50.74 Fs=1.1023

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 108.00 yc = 86.75 Rc = 36.99 Fs=1.1297

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 64.00 yc = 93.50 Rc = 78.009 Fs=1.2044

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=5839.2 Kg Sbalzo del palo 3.13 m

Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 28.00 yc = 113.75 Rc = 105.517 Fs=1.1419

Micropali Base x=43.70198 Y=11.42477 Plim=5253.2 Kg Sbalzo del palo 3.19 m
Micropali Base x=41.49123 Y=11.42477 Plim=5253.2 Kg Sbalzo del palo 3.19 m
Micropali Monte x=45.17582 Y=18.75877 Plim=3313.9 Kg Sbalzo del palo 10.42 m
Micropali Valle x=39.13303 Y=11.51611 Plim=7186.2 Kg Sbalzo del palo 2.17 m

CARICO LIMITE PALI
xc = 68.00 yc = 113.75 Rc = 94.282 Fs=1.2486

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 72.00 yc = 107.00 Rc = 88.809 Fs=1.2354

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 100.00 yc = 127.25 Rc = 105.534 Fs=1.2295

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 96.00 yc = 134.00 Rc = 110.912 Fs=1.2325

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 32.00 yc = 147.50 Rc = 137.18 Fs=1.2535

Micropali Base x=43.70198 Y=11.42477 Plim=5253.2 Kg Sbalzo del palo 1.70 m
Micropali Base x=41.49123 Y=11.42477 Plim=5253.2 Kg Sbalzo del palo 1.70 m
Micropali Monte x=45.17582 Y=18.75877 Plim=3680.8 Kg Sbalzo del palo 10.28 m
Micropali Valle x=39.13303 Y=11.51611 Plim=7186.2 Kg Sbalzo del palo 0.73 m

CARICO LIMITE PALI
xc = 104.00 yc = 147.50 Rc = 121.282 Fs=1.2061

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 44.00 yc = 167.75 Rc = 154.733 Fs=1.1428

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=5839.2 Kg Sbalzo del palo 8.31 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 40.00 yc = 174.50 Rc = 161.214 Fs=1.1665

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=5839.2 Kg Sbalzo del palo 7.79 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 52.00 yc = 181.25 Rc = 167.355 Fs=1.1577

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=5839.2 Kg Sbalzo del palo 7.68 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 60.00 yc = 181.25 Rc = 167.568 Fs=1.2463

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=5839.2 Kg Sbalzo del palo 7.73 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 48.00 yc = 188.00 Rc = 173.025 Fs=1.1832

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=5839.2 Kg Sbalzo del palo 6.54 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 56.00 yc = 188.00 Rc = 173.825 Fs=1.1673

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=5839.2 Kg Sbalzo del palo 7.37 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 68.00 yc = 194.75 Rc = 178.935 Fs=1.2477

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=5839.2 Kg Sbalzo del palo 6.36 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 52.00 yc = 208.25 Rc = 191.633 Fs=1.1705

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=5839.2 Kg Sbalzo del palo 4.96 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 60.00 yc = 208.25 Rc = 191.902 Fs=1.2439

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=5839.2 Kg Sbalzo del palo 5.09 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 124.00 yc = 208.25 Rc = 170.214 Fs=1.255

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 48.00 yc = 215.00 Rc = 197.302 Fs=1.2545

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=5839.2 Kg Sbalzo del palo 3.83 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 60.00 yc = 221.75 Rc = 204.069 Fs=1.2041

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=5839.2 Kg Sbalzo del palo 4.89 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 56.00 yc = 228.50 Rc = 210.241 Fs=1.255

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=5839.2 Kg Sbalzo del palo 4.43 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 64.00 yc = 228.50 Rc = 209.752 Fs=1.2145

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 64.00 yc = 242.00 Rc = 221.919 Fs=1.2244

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 68.00 yc = 262.25 Rc = 239.769 Fs=1.217

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 68.00 yc = 289.25 Rc = 264.103 Fs=1.2003

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 76.00 yc = 302.75 Rc = 276.575 Fs=1.2178

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 64.00 yc = 309.50 Rc = 282.753 Fs=1.2149

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 72.00 yc = 309.50 Rc = 282.347 Fs=1.2341

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 76.00 yc = 329.75 Rc = 300.909 Fs=1.2158

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 80.00 yc = 323.00 Rc = 294.425 Fs=1.2041

Micropali Base x=43.70198 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=41.49123 Y=11.42477 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.17582 Y=18.75877 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.13303 Y=11.51611 Plim=0.0 Kg Sbalzo del palo 0.00 m