

PROVA ... Nr.2

Strumento utilizzato...
 Prova eseguita in data
 Profondità prova

PAGANI TG 63 -200 kN
 30/04/2007
 10,00 mt

Profondità (m)	Letture punta (Kg/cm ²)	Letture laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0,40	21,0	45,0	21,0	1,6	13,13	7,62
0,60	21,0	45,0	21,0	1,6	13,13	7,62
0,80	46,0	70,0	46,0	2,1333	21,56	4,64
1,00	77,0	109,0	77,0	3,7333	20,63	4,85
1,20	80,0	136,0	80,0	3,5333	22,64	4,42
1,40	71,0	124,0	71,0	4,6	15,43	6,48
1,60	67,0	136,0	67,0	4,3333	15,46	6,47
1,80	48,0	113,0	48,0	3,4	14,12	7,08
2,00	40,0	91,0	40,0	2,4	16,67	6,0
2,20	28,0	64,0	28,0	1,8667	15,0	6,67
2,40	30,0	58,0	30,0	1,8	16,67	6,0
2,60	32,0	59,0	32,0	2,0667	15,48	6,46
2,80	40,0	71,0	40,0	2,8667	13,95	7,17
3,00	49,0	92,0	49,0	2,8667	17,09	5,85
3,20	65,0	108,0	65,0	4,1333	15,73	6,36
3,40	45,0	107,0	45,0	4,3333	10,38	9,63
3,60	64,0	129,0	64,0	2,1333	30,0	3,33
3,80	75,0	107,0	75,0	2,6667	28,12	3,56
4,00	41,0	81,0	41,0	1,9333	21,21	4,72
4,20	53,0	82,0	53,0	2,0667	25,64	3,9
4,40	30,0	61,0	30,0	1,7333	17,31	5,78
4,60	47,0	73,0	47,0	1,6667	28,2	3,55
4,80	42,0	67,0	42,0	2,5333	16,58	6,03
5,00	25,0	63,0	25,0	2,1333	11,72	8,53
5,20	33,0	65,0	33,0	2,0667	15,97	6,26
5,40	41,0	72,0	41,0	3,2667	12,55	7,97
5,60	37,0	86,0	37,0	2,3333	15,86	6,31
5,80	53,0	88,0	53,0	2,4	22,08	4,53
6,00	65,0	101,0	65,0	2,6	25,0	4,0
6,20	60,0	99,0	60,0	3,0	20,0	5,0
6,40	61,0	106,0	61,0	2,2	27,73	3,61
6,60	63,0	96,0	63,0	3,2667	19,29	5,19
6,80	58,0	107,0	58,0	3,1333	18,51	5,4
7,00	73,0	120,0	73,0	3,8	19,21	5,21
7,20	60,0	117,0	60,0	3,6	16,67	6,0
7,40	61,0	115,0	61,0	3,4	17,94	5,57
7,60	63,0	114,0	63,0	3,2	19,69	5,08
7,80	59,0	107,0	59,0	3,2	18,44	5,42
8,00	53,0	101,0	53,0	3,4667	15,29	6,54
8,20	71,0	123,0	71,0	4,3333	16,38	6,1
8,40	62,0	127,0	62,0	3,4	18,24	5,48
8,60	63,0	114,0	63,0	4,2667	14,77	6,77
8,80	71,0	135,0	71,0	5,0	14,2	7,04
9,00	73,0	148,0	73,0	5,0667	14,41	6,94
9,20	75,0	151,0	75,0	4,6667	16,07	6,22
9,40	69,0	139,0	69,0	5,0	13,8	7,25
9,60	54,0	129,0	54,0	3,8667	13,97	7,16
9,80	62,0	120,0	62,0	3,4	18,24	5,48
10,00	63,0	114,0	63,0			



SOILTEST sas di Gianluca Maccaroni
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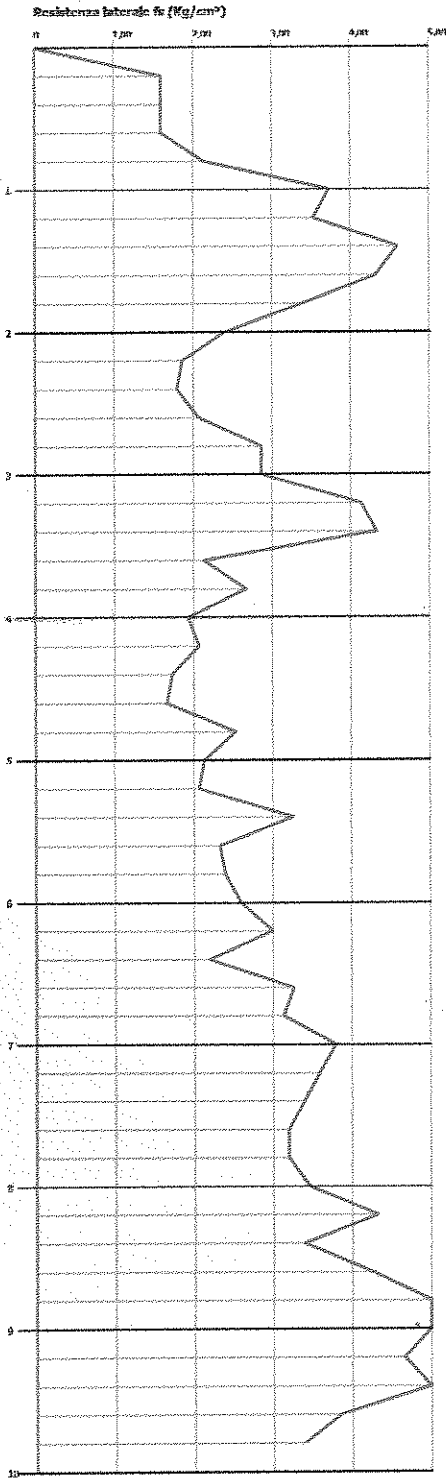
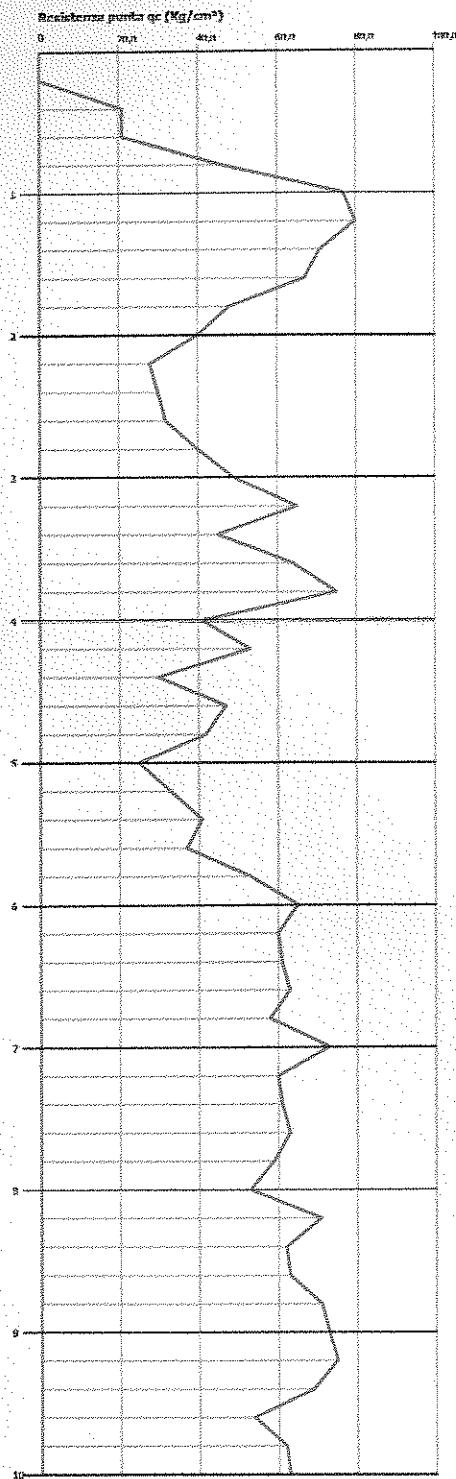
Probe CPT - Cone Penetration Nr.2
Strumento utilizzato... PAGANI IG 63 -200 kN
Diagramma Resistenze qc fs

Committente : Dott. Escl. Alessandra Viderlici
Cantiera :
Località : San Benedetto del Tronto (Ap)

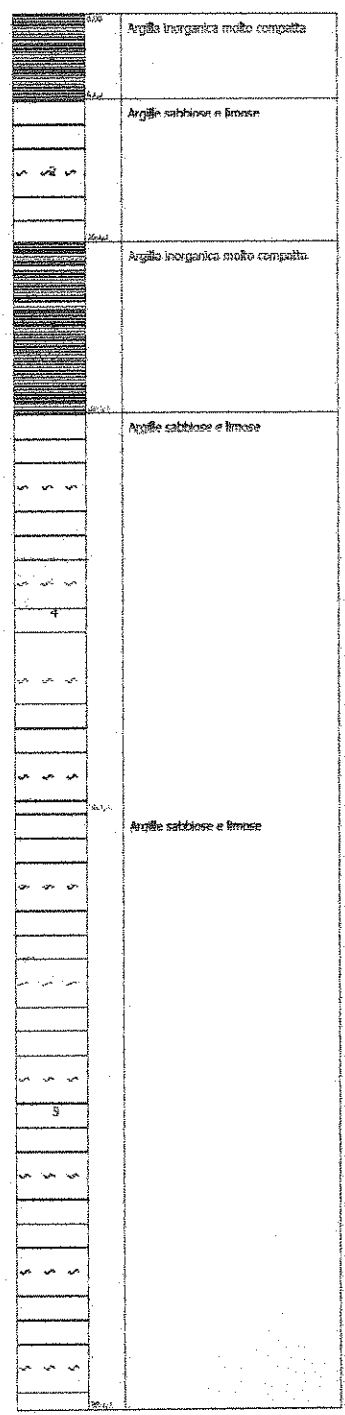
Data : 30/04/2007

Scala 1:50

Profondità



Interpretazione stratigrafica (Schmertmann 1978)



Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0,60	21,0	1,6	1,98	Coesivo	Argilla inorganica molto compatta
1,60	68,2	3,6666	2,18	Incoerente-Coesivo	Argille sabbiose e limose
2,80	36,3333	2,4	2,07	Coesivo	Argilla inorganica molto compatta
5,60	46,2143	2,5619	2,1	Incoerente-Coesivo	Argille sabbiose e limose
9,80	63,2857	3,6318	2,16	Incoerente-Coesivo	Argille sabbiose e limose

STIMA PARAMETRI GEOTECNICI

TERRENI COESIVI

Coesione non drenata secondo la correlazione di Baligh ed altri 1980 $N_k=20$

	Prof. Strato (m)	qc (Kg/cm ²)	fs (Kg/cm ²)	Tensione litostatica totale (Kg/cm ²)	Tensione litostatica efficace (Kg/cm ²)	Cu (Kg/cm ²)
Strato 1	0,60	21,0	1,6	0,06	0,06	1,05
Strato 2	1,60	68,2	3,6666	0,23	0,23	3,4
Strato 3	2,80	36,3333	2,4	0,46	0,46	1,79
Strato 4	5,60	46,2143	2,5619	0,88	0,88	2,27
Strato 5	9,80	63,2857	3,6318	1,63	1,63	3,08

Modulo Edometrico secondo la correlazione del Metodo generale del modulo Edometrico

	Prof. Strato (m)	qc (Kg/cm ²)	fs (Kg/cm ²)	Tensione litostatica totale (Kg/cm ²)	Tensione litostatica efficace (Kg/cm ²)	Eed (Kg/cm ²)
Strato 1	0,60	21,0	1,6	0,06	0,06	42,0
Strato 2	1,60	68,2	3,6666	0,23	0,23	136,4
Strato 3	2,80	36,3333	2,4	0,46	0,46	72,67
Strato 4	5,60	46,2143	2,5619	0,88	0,88	92,43
Strato 5	9,80	63,2857	3,6318	1,63	1,63	126,57

Peso unità di volume saturo secondo la correlazione di Meyerhof

	Prof. Strato (m)	qc (Kg/cm ²)	fs (Kg/cm ²)	Tensione litostatica totale (Kg/cm ²)	Tensione litostatica efficace (Kg/cm ²)	Peso unità di volume saturo (t/m ³)
Strato 1	0,60	21,0	1,6	0,06	0,06	2,06
Strato 2	1,60	68,2	3,6666	0,23	0,23	2,26
Strato 3	2,80	36,3333	2,4	0,46	0,46	2,15
Strato 4	5,60	46,2143	2,5619	0,88	0,88	2,19
Strato 5	9,80	63,2857	3,6318	1,63	1,63	2,24

TERRENI INCOERENTI

Angolo di resistenza al taglio secondo la correlazione di Herminier

	Prof. Strato (m)	qc (Kg/cm ²)	fs (Kg/cm ²)	Tensione litostatica totale (Kg/cm ²)	Tensione litostatica efficace (Kg/cm ²)	Angolo d'attrito (°)
Strato 2	1,60	68,2	3,6666	0,23	0,23	37,61
Strato 4	5,60	46,2143	2,5619	0,88	0,88	24,78
Strato 5	9,80	63,2857	3,6318	1,63	1,63	23,86

Modulo Edometrico secondo la Correlazione di Buisman - Sanglerat

	Prof. Strato (m)	qc (Kg/cm ²)	fs (Kg/cm ²)	Tensione litostatica totale (Kg/cm ²)	Tensione litostatica efficace (Kg/cm ²)	Modulo Edometrico (Kg/cm ²)
Strato 2	1,60	68,2	3,6666	0,23	0,23	102,3
Strato 4	5,60	46,2143	2,5619	0,88	0,88	69,32
Strato 5	9,80	63,2857	3,6318	1,63	1,63	94,93

Coefficiente di consolidazione secondo la correlazione di Piacentini - Righi 1988

	Prof. Strato (m)	qc (Kg/cm ²)	fs (Kg/cm ²)	Tensione litostatica totale (Kg/cm ²)	Tensione litostatica efficace (Kg/cm ²)	Coefficiente di consolidazione e (cm ² /s)
Strato 1	0,60	21,0	1,6	0,06	0,06	6,3E-07
Strato 2	1,60	68,2	3,6666	0,23	0,23	2,046E-06
Strato 3	2,80	36,3333	2,4	0,46	0,46	1,089999E-06
Strato 4	5,60	46,2143	2,5619	0,88	0,88	1,386429E-06
Strato 5	9,80	63,2857	3,6318	1,63	1,63	1,898571E-06