



COMUNE DI OSTIGLIA

(Provincia di Mantova)

PIANO DI GOVERNO DEL TERRITORIO

ai sensi della Legge Regionale per il Governo del Territorio del 11/03/2005 n. 12

COMPONENTE GEOLOGICA, IDROGEOLOGICA E SISMICA

ai sensi della D.G.R. n. 1566 del 22/12/2005 e della D.G.R. n. 7374 del 28/05/2008

Adozione: _____ Approvazione: _____

ALLEGATO 2

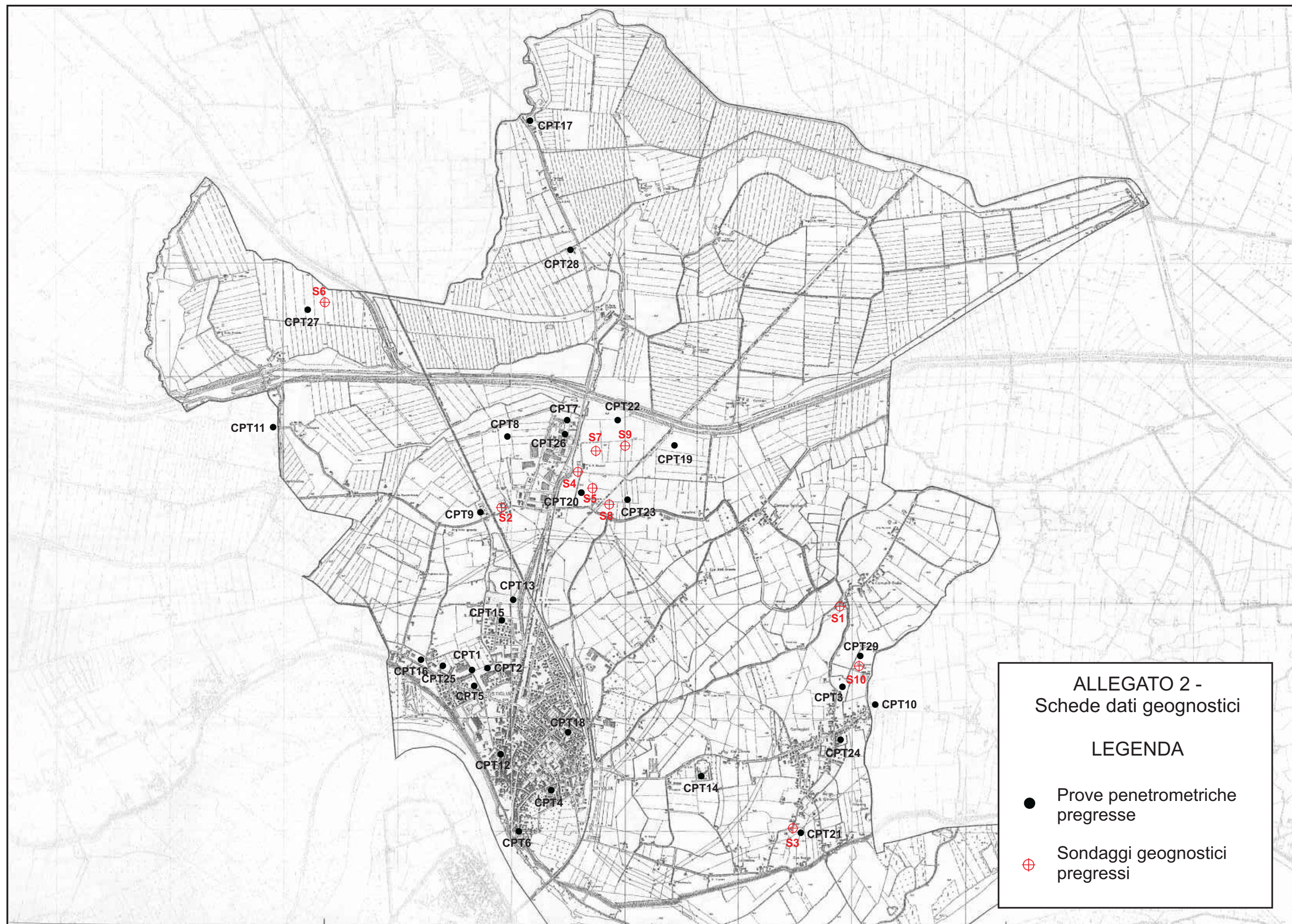
SCHEDE DATI GEOGNOSTICI PREGRESSI

Dott. Geol. Francesco Gabrielli
Dott. Geol. Leonardo Calzolari
Dott. Geol. Alberto Baracca

Sindaco
Umberto Mazza
Segretario Generale
Angela De Chirico

Ufficio Tecnico
Arch. Alessandro Cabrini
Geom. Rita Milani
Geom. Daniele Rossi
Geom. Roberto Boni
Geom. Simona Longhi

Data:
Gennaio 2010



STUDIO DI GEOLOGIA E GEOTECNICA
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COMUNE DI OSTIGLIA

PIANO DI GOVERNO DEL TERRITORIO

STRATIGRAFIE SONDAGGI PREGRESSI

Caratteristiche Strumentali PAGANI TG 63 (200 kN)

Rif. Norme	ASTM D3441-86
Perforazione	Continua a dostruzione di nucleo
Diametro Perforo (mm)	101

STUDIO di GEOLOGIA e GEOTECNICA

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MODULO SONDAGGI

Committente MOROTTI MASSIMO	Cantiere Comuna Bellis di Ostiglia (MN)	Indagine Impianto di sub-irrigazione	Profondità raggiunta 3,20 metri da p.c.	Sondaggio S1
Quota Ass. P.C. 13,00 m. s.l.m.	Coordinate Geografiche X = 1.670.910 - Y = 4.993.980	Tipo Carotaggio Continuo a distruzione di nucleo	Tipo Sonda PAGANI TG63-200	Data 20 Settembre 2006

Scala (mt)	Litologia	Descrizione	Quota	Falda
1		Terreno vegetale con laterizi, colore bruno	0.40	
		Limo sabbioso con agilla, colore marrone-giallo	0.80	
		Sabbia fine limosa debolmente argillosa, colore marrone	1.45	
		Argilla limosa con noduli calcitici, marrone	1.55	
		Argilla con noduli calcitici e tracce di ossidazione, grigio	1.75	
2		Argilla limosa con tracce di ossidazione, colore grigio	2.10	
		Sabbia fine con Limo debolmente argillosa, colore giallastro	2.40	
		Sabbia medio - fine con Limo e Argilla, con tracce di ossidazione, colore grigio	3.20	
3				
4				

Carotaggio: Continuo a distruzione di nucleo

Sonda: PAGANI TG63-200



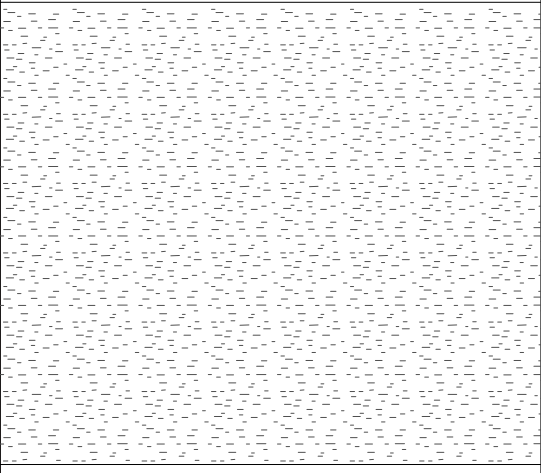
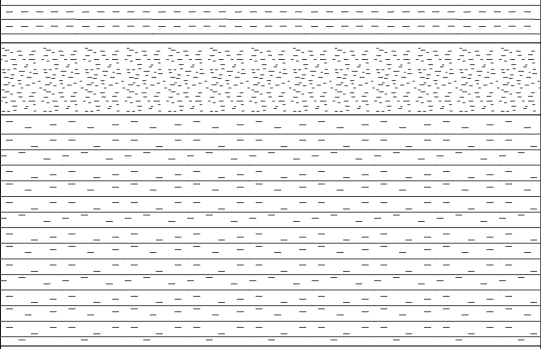
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MODULO SONDAGGI

Committente ZAPPAROLI BARBARA	Cantiere Ostiglia (MN)	Indagine Impianto di sub-irrigazione	Profondità raggiunta 3,30 metri da p.c.	Sondaggio S2
Quota Ass. P.C. 13,90 m. s.l.m.	Coordinate Geografiche X = 1.667.950 - Y = 4.994.850	Tipo Carotaggio Continuo a distruzione di nucleo	Tipo Sonda PAGANI TG63-200	Data 20 Settembre 2006

Scala (mt)	Litologia	Descrizione	Quota	Falda
1		Terreno vegetale con sostanza organica, colore bruno	0.30	
		Argilla limosa con Sabbia fine, grigiasta	0.40	
2		Limo sabbioso e Sabbia fine limosa con argilla subordinata, con tracce di ossidazione, colore giallastro	2.00	
		Argilla limosa debolmente sabbiosa, con noduli calcitici e ossidazione, grigio-azzurro	2.25	
		Limo sabbioso debolmente argilloso, con pochi noduli calcitici, grigiastro	2.50	
3		Argilla sabbiosa e Argilla limosa, colore grigiastro	3.30	
4				

Carotaggio: Continuo a distruzione di nucleo

Sonda: PAGANI TG63-200

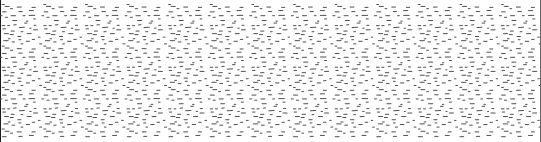
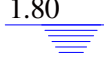
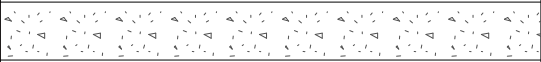
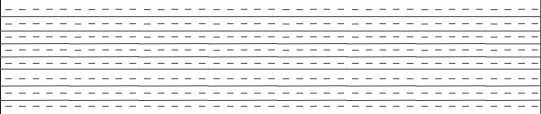
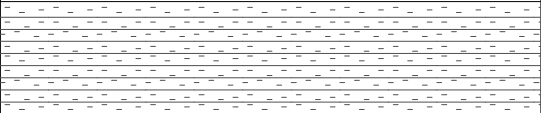
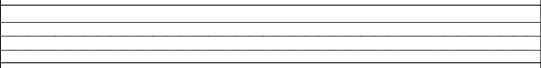
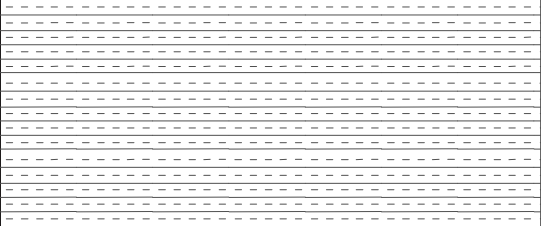
STUDIO di GEOLOGIA e GEOTECNICA

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MODULO SONDAGGI

Committente DONELLI ALBERTO	Cantiere Correggioli di Ostiglia (MN)	Indagine Impianto di sub-irrigazione	Profondità raggiunta 2,50 metri da p.c.	Sondaggio S3
Quota Ass. P.C. 13,50 m. s.l.m.	Coordinate Geografiche X = 1.670.490 - Y = 4.992.020	Tipo Carotaggio Continuo a distruzione di nucleo	Tipo Sonda PAGANI TG63-200	Data Maggio 2007

Scala (mt)	Litologia	Descrizione	Quota	Falda
1		Limo argilloso, colore marrone	0.50	
		Sabbia medio - grossolana, colore marrone	0.70	
		Argilla limosa, colore nocciola-giallastra	1.10	
		Argilla limoso sabbiosa con sostanza organica, colore grigio azzurra	1.50	
		Argilla, colore grigio	1.70	
2		Argilla limosa debolmente sabbiosa, colore grigio	2.50	
3				
4				

Carotaggio: Continuo a distruzione di nucleo

Sonda: PAGANI TG63-200




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MODULO SONDAGGI

Committente Azienda Agricola Veronesi Claudio	Cantiere Le Cere - Ostiglia (MN)	Indagine Sondaggio geognostico	Profondità raggiunta 2,50 metri da p.c.	Sondaggio S6
Quota Ass. P.C. 11,50 m. s.l.m.	Coordinate Geografiche X = 1.666.220 - Y = 4.996.800	Tipo Carotaggio Continuo a distruzione di nucleo	Tipo Sonda PAGANI TG63-200	Data 08 Settembre 2008

Scala (mt)	Litologia	Descrizione	Quota	Falda
1		Argilla calcarea, colore nero	0.40	
		Argilla calcarea e ferrosa, colore grigio-chiaro	0.70	
		Argilla limosa molto calcarea, colore giallo-nocciola	1.30	
		Limo sabbioso, colore giallastro	1.60	
2		Sabbia fine, colore arancio scuro	1.90	
		Sabbia media, colore grigio	2.20	
		Argilla compatta, colore grigio-azzurro	2.50	
3				
4				

Carotaggio: Continuo a distruzione di nucleo

Sonda: PAGANI TG63-200





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MODULO SONDAGGI

Committente EUSIDER Spa	Cantiere Comparto produttivo "Canal Bianco"	Indagine Sondaggio geognostico	Profondità raggiunta 3,30 metri da p.c.	Sondaggio S7
Quota Ass. P.C. 12,00 m. s.l.m.	Coordinate Geografiche X = 1.668.900 - Y = 4.994.900	Tipo Carotaggio Continuo a distruzione di nucleo	Tipo Sonda PAGANI TG63-200	Data 27 Ottobre 2008

Scala (mt)	Litologia	Descrizione	Quota	Falda
1		Argilla calcarea, colore nero	0.40	
		Argilla calcarea e ferrosa, con frammenti di conchiglie e vegetali, colore marrone-grigia	0.70	
		Argilla, colore grigio scuro	1.10	
		Argilla plastica con abbondanti resti vegetali, colore grigio-azzurro	1.80	
2		Argilla compatta calcarea con abbondanti resti vegetali, colore grigio-azzurro	2.40	
		Argilla compatta calcarea, colore azzurro	2.80	
		Argilla limosa, colore grigio scuro	3.00	
3		Limo sabbioso, colore grigio	3.30	
4				

Carotaggio: Continuo a distruzione di nucleo

Sonda: PAGANI TG63-200

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MODULO SONDAGGI

Committente EUSIDER Spa	Cantiere Comparto produttivo "Canal Bianco"	Indagine Sondaggio geognostico	Profondità raggiunta 3,30 metri da p.c.	Sondaggio SS
Quota Ass. P.C. 12,00 m. s.l.m.	Coordinate Geografiche X = 1.669.030 - Y = 4.995.440	Tipo Carotaggio Continuo a distruzione di nucleo	Tipo Sonda PAGANI TG63-200	Data 27 Ottobre 2008

Scala (mt)	Litologia	Descrizione	Quota	Falda
1		Argilla calcarea, colore marrone	0.70	
		Argilla calcare, colore grigio scuro	0.90	
		Argilla debolmente limosa, colore marrone-bruno	1.50	
		Argilla compatta, colore beige	2.00	
2		Argilla compatta calcarea, colore grigio chiaro	2.80	
		Limo argilloso, colore grigio	3.00	
		Sabbia, colore grigio	3.30	
3				
4				

COMUNE DI OSTIGLIA

PIANO DI GOVERNO DEL TERRITORIO

ELABORATI PROVE PENETROMETRICHE PREGRESSE

Caratteristiche Strumentali PAGANI TG 63 (200 kN)

Rif. Norme	ASTM D3441-86
Diametro Punta conica meccanica (mm)	35,7
Angolo di apertura punta (°)	60
Area punta	10
Superficie manicotto	150
Passo letture (cm)	20
Costante di trasformazione Ct	10

PROVA CPT 1 - Lottizzazione Agazzani – Strada San Romano Casetto

Prova eseguita in data

10/07/2002

Profondità prova

10,20 mt

Falda

Quota = 1,05 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	10.0	20.0	10.0	0.9333	10.71	9.33
0.40	11.0	25.0	11.0	0.8667	12.69	7.88
0.60	9.0	22.0	9.0	0.7333	12.27	8.15
0.80	13.0	24.0	13.0	0.6	21.67	4.62
1.00	7.0	16.0	7.0	0.4667	15.0	6.67
1.20	16.0	23.0	16.0	0.2	80.0	1.25
1.40	18.0	21.0	18.0	0.2667	67.49	1.48
1.60	11.0	15.0	11.0	0.3333	33.0	3.03
1.80	7.0	12.0	7.0	0.2	35.0	2.86
2.00	10.0	13.0	10.0	0.4667	21.43	4.67
2.20	11.0	18.0	11.0	0.4667	23.57	4.24
2.40	13.0	20.0	13.0	0.3333	39.0	2.56
2.60	12.0	17.0	12.0	0.4	30.0	3.33
2.80	13.0	19.0	13.0	0.4667	27.86	3.59
3.00	14.0	21.0	14.0	0.9333	15.0	6.67
3.20	15.0	29.0	15.0	0.5333	28.13	3.56
3.40	24.0	32.0	24.0	0.8667	27.69	3.61
3.60	14.0	27.0	14.0	0.6667	21.0	4.76
3.80	11.0	21.0	11.0	0.6	18.33	5.45
4.00	9.0	18.0	9.0	0.4667	19.28	5.19
4.20	17.0	24.0	17.0	0.9333	18.21	5.49
4.40	30.0	44.0	30.0	1.4667	20.45	4.89
4.60	44.0	66.0	44.0	2.2	20.0	5.0
4.80	55.0	88.0	55.0	2.1333	25.78	3.88
5.00	45.0	77.0	45.0	1.8	25.0	4.0
5.20	52.0	79.0	52.0	1.9333	26.9	3.72
5.40	51.0	80.0	51.0	1.7333	29.42	3.4
5.60	48.0	74.0	48.0	1.6667	28.8	3.47
5.80	49.0	74.0	49.0	1.4	35.0	2.86
6.00	88.0	109.0	88.0	2.2667	38.82	2.58
6.20	176.0	210.0	176.0	2.4	73.33	1.36
6.40	148.0	184.0	148.0	2.9333	50.46	1.98
6.60	152.0	196.0	152.0	2.3333	65.14	1.54
6.80	146.0	181.0	146.0	3.5333	41.32	2.42
7.00	123.0	176.0	123.0	2.4	51.25	1.95
7.20	100.0	136.0	100.0	1.8	55.56	1.8
7.40	65.0	92.0	65.0	1.5333	42.39	2.36
7.60	16.0	39.0	16.0	0.5333	30.0	3.33
7.80	15.0	23.0	15.0	0.5333	28.13	3.56
8.00	18.0	26.0	18.0	0.8667	20.77	4.82
8.20	24.0	37.0	24.0	0.4667	51.42	1.94
8.40	27.0	34.0	27.0	0.9333	28.93	3.46
8.60	18.0	32.0	18.0	1.0	18.0	5.56
8.80	34.0	49.0	34.0	1.6	21.25	4.71
9.00	21.0	45.0	21.0	0.3333	63.01	1.59
9.20	44.0	49.0	44.0	1.5333	28.7	3.48
9.40	21.0	44.0	21.0	1.0	21.0	4.76
9.60	13.0	28.0	13.0	0.3333	39.0	2.56
9.80	21.0	26.0	21.0	1.7333	12.12	8.25
10.00	20.0	46.0	20.0	0.7333	27.27	3.67
10.20	59.0	70.0	59.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.60	10.0	0.8444	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
0.80	13.0	0.6	1.86	Coesivo	Limo argilloso plastico
1.00	7.0	0.4667	1.86	Coesivo	Argilla limosa soffice
1.40	17.0	0.2334	1.86	Incoerente	Sabbia
1.80	9.0	0.2667	1.86	Incoerente	Sabbia argilloso-limosa
2.20	10.5	0.4667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
2.80	12.6667	0.4	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
3.20	14.5	0.7333	1.86	Coesivo	Limo argilloso plastico
3.40	24.0	0.8667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
3.60	14.0	0.6667	1.86	Coesivo	Limo argilloso plastico
4.00	10.0	0.5334	1.86	Coesivo	Limo argilloso soffice
4.20	17.0	0.9333	1.86	Coesivo	Limo argilloso plastico
4.60	37.0	1.8334	1.86	Coesivo	Limo argilloso consistente
5.80	50.0	1.7778	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
6.00	88.0	2.2667	1.86	Incoerente	Sabbia argilloso-limosa
7.20	140.8333	2.5667	1.86	Incoerente	Sabbia limosa addensata
7.40	65.0	1.5333	1.86	Incoerente	Sabbia argilloso-limosa
8.00	16.3333	0.6444	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
8.40	25.5	0.7	1.86	Incoerente	Sabbie limose
8.60	18.0	1.0	1.86	Coesivo	Limo argilloso plastico
9.00	27.5	0.9667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
9.20	44.0	1.5333	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
9.40	21.0	1.0	1.86	Coesivo	Limo argilloso plastico
9.60	13.0	0.3333	1.86	Incoerente	Sabbia argilloso-limosa
10.00	20.5	1.2333	1.86	Coesivo	Limo argilloso consistente

PROVA CPT 2 – Lottizzazione Agazzani – Strada San Romano Casetto

Prova eseguita in data

10/07/2002

Profondità prova

10,20 mt

Falda

Quota = 1,50 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	10.0	20.0	10.0	0.3333	30.0	3.33
0.40	16.0	21.0	16.0	0.9333	17.14	5.83
0.60	10.0	24.0	10.0	0.6	16.67	6.0
0.80	16.0	25.0	16.0	0.9333	17.14	5.83
1.00	14.0	28.0	14.0	0.8	17.5	5.71
1.20	12.0	24.0	12.0	0.8667	13.85	7.22
1.40	10.0	23.0	10.0	0.6	16.67	6.0
1.60	9.0	18.0	9.0	0.6	15.0	6.67
1.80	13.0	22.0	13.0	0.1333	97.52	1.03
2.00	42.0	44.0	42.0	0.5333	78.75	1.27
2.20	12.0	20.0	12.0	0.5333	22.5	4.44
2.40	10.0	18.0	10.0	0.4	25.0	4.0
2.60	11.0	17.0	11.0	0.4667	23.57	4.24
2.80	11.0	18.0	11.0	0.4667	23.57	4.24
3.00	10.0	17.0	10.0	0.5333	18.75	5.33
3.20	12.0	20.0	12.0	0.4	30.0	3.33
3.40	13.0	19.0	13.0	0.4667	27.86	3.59
3.60	7.0	14.0	7.0	0.4667	15.0	6.67
3.80	7.0	14.0	7.0	0.4	17.5	5.71
4.00	10.0	16.0	10.0	0.4667	21.43	4.67
4.20	7.0	14.0	7.0	0.2667	26.25	3.81
4.40	9.0	13.0	9.0	0.3333	27.0	3.7
4.60	12.0	17.0	12.0	0.8	15.0	6.67
4.80	26.0	38.0	26.0	1.0	26.0	3.85
5.00	49.0	64.0	49.0	1.8	27.22	3.67
5.20	60.0	87.0	60.0	1.8667	32.14	3.11
5.40	61.0	89.0	61.0	2.2667	26.91	3.72
5.60	58.0	92.0	58.0	2.8	20.71	4.83
5.80	58.0	100.0	58.0	2.4667	23.51	4.25
6.00	50.0	87.0	50.0	2.2	22.73	4.4
6.20	51.0	84.0	51.0	0.8	63.75	1.57
6.40	52.0	64.0	52.0	1.1333	45.88	2.18
6.60	48.0	65.0	48.0	1.4667	32.73	3.06
6.80	49.0	71.0	49.0	2.0667	23.71	4.22
7.00	58.0	89.0	58.0	1.8	32.22	3.1
7.20	69.0	96.0	69.0	2.7333	25.24	3.96
7.40	42.0	83.0	42.0	0.8	52.5	1.9
7.60	175.0	187.0	175.0	1.4667	119.32	0.84
7.80	165.0	187.0	165.0	2.4667	66.89	1.49
8.00	167.0	204.0	167.0	2.5333	65.92	1.52
8.20	123.0	161.0	123.0	3.3333	36.9	2.71
8.40	148.0	198.0	148.0	2.2	67.27	1.49
8.60	183.0	216.0	183.0	3.2	57.19	1.75
8.80	162.0	210.0	162.0	3.8667	41.9	2.39
9.00	145.0	203.0	145.0	3.8	38.16	2.62
9.20	139.0	196.0	139.0	3.2667	42.55	2.35
9.40	105.0	154.0	105.0	1.4667	71.59	1.4
9.60	138.0	160.0	138.0	3.4	40.59	2.46
9.80	21.0	72.0	21.0	1.2667	16.58	6.03
10.00	13.0	32.0	13.0	0.4667	27.86	3.59
10.20	15.0	22.0	15.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.20	10.0	0.3333	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
1.00	14.0	0.8167	1.86	Coesivo	Limo argilloso plastico
1.20	12.0	0.8667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
1.60	9.5	0.6	1.86	Coesivo	Argilla limosa soffice
1.80	13.0	0.1333	1.86	Incoerente	Sabbie limose
2.00	42.0	0.5333	1.86	Incoerente	Sabbia
2.80	11.0	0.4667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
3.00	10.0	0.5333	1.86	Coesivo	Limo argilloso soffice
3.40	12.5	0.4334	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
3.80	7.0	0.4334	1.86	Coesivo	Argilla limosa soffice
4.00	10.0	0.4667	1.86	Coesivo	Limo argilloso soffice
4.40	8.0	0.3	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
4.60	12.0	0.8	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
4.80	26.0	1.0	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
5.00	49.0	1.8	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
5.40	60.5	2.0667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
5.80	58.0	2.6334	1.86	Coesivo	Limo argilloso molto consistente
6.80	50.0	1.5333	1.86	Incoerente	Sabbia argilloso-limosa
7.00	58.0	1.8	1.86	Incoerente	Sabbia argilloso-limosa
7.20	69.0	2.7333	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
7.40	42.0	0.8	1.86	Incoerente	Sabbie limose
9.60	150.0	2.8182	1.86	Incoerente	Sabbia limosa addensata
9.80	21.0	1.2667	1.86	Coesivo	Limo argilloso consistente
10.20	14.0	0.2334	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso

PROVA CPT 3 – Depuratore Correggioli

Prova eseguita in data
Profondità prova
Falda

28/06/2002
12,20 mt
Quota = 2,00 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	10.0	20.0	10.0	0.6667	15.0	6.67
0.40	11.0	21.0	11.0	0.2667	41.24	2.42
0.60	20.0	24.0	20.0	0.5333	37.5	2.67
0.80	19.0	27.0	19.0	0.6667	28.5	3.51
1.00	14.0	24.0	14.0	0.4667	30.0	3.33
1.20	11.0	18.0	11.0	0.6	18.33	5.45
1.40	13.0	22.0	13.0	0.6667	19.5	5.13
1.60	8.0	18.0	8.0	0.4667	17.14	5.83
1.80	10.0	17.0	10.0	0.3333	30.0	3.33
2.00	14.0	19.0	14.0	0.6	23.33	4.29
2.20	20.0	29.0	20.0	0.3333	60.01	1.67
2.40	26.0	31.0	26.0	0.6667	39.0	2.56
2.60	17.0	27.0	17.0	0.6667	25.5	3.92
2.80	7.0	17.0	7.0	0.2667	26.25	3.81
3.00	10.0	14.0	10.0	0.4	25.0	4.0
3.20	7.0	13.0	7.0	0.4667	15.0	6.67
3.40	10.0	17.0	10.0	0.5333	18.75	5.33
3.60	12.0	20.0	12.0	0.4667	25.71	3.89
3.80	14.0	21.0	14.0	0.5333	26.25	3.81
4.00	27.0	35.0	27.0	0.2667	101.24	0.99
4.20	23.0	27.0	23.0	0.2	115.0	0.87
4.40	13.0	16.0	13.0	0.4667	27.86	3.59
4.60	23.0	30.0	23.0	0.2667	86.24	1.16
4.80	14.0	18.0	14.0	0.6	23.33	4.29
5.00	18.0	27.0	18.0	0.8	22.5	4.44
5.20	17.0	29.0	17.0	0.1333	127.53	0.78
5.40	20.0	22.0	20.0	0.7333	27.27	3.67
5.60	12.0	23.0	12.0	0.4667	25.71	3.89
5.80	7.0	14.0	7.0	0.4667	15.0	6.67
6.00	9.0	16.0	9.0	0.6	15.0	6.67
6.20	9.0	18.0	9.0	0.5333	16.88	5.93
6.40	12.0	20.0	12.0	0.4	30.0	3.33
6.60	12.0	18.0	12.0	0.8	15.0	6.67
6.80	11.0	23.0	11.0	0.8	13.75	7.27
7.00	9.0	21.0	9.0	0.2667	33.75	2.96
7.20	19.0	23.0	19.0	0.4	47.5	2.11
7.40	22.0	28.0	22.0	0.6	36.67	2.73
7.60	15.0	24.0	15.0	0.2	75.0	1.33
7.80	12.0	15.0	12.0	0.7333	16.36	6.11
8.00	6.0	17.0	6.0	0.4	15.0	6.67
8.20	6.0	12.0	6.0	0.4	15.0	6.67
8.40	6.0	12.0	6.0	0.4	15.0	6.67
8.60	6.0	12.0	6.0	0.6667	9.0	11.11
8.80	7.0	17.0	7.0	0.5333	13.13	7.62
9.00	9.0	17.0	9.0	0.5333	16.88	5.93
9.20	14.0	22.0	14.0	0.4667	30.0	3.33
9.40	14.0	21.0	14.0	0.8667	16.15	6.19
9.60	7.0	20.0	7.0	0.5333	13.13	7.62
9.80	9.0	17.0	9.0	0.4667	19.28	5.19
10.00	9.0	16.0	9.0	0.4667	19.28	5.19
10.20	7.0	14.0	7.0	0.4	17.5	5.71
10.40	7.0	13.0	7.0	0.3333	21.0	4.76
10.60	6.0	11.0	6.0	0.3333	18.0	5.56
10.80	7.0	12.0	7.0	0.4667	15.0	6.67
11.00	10.0	17.0	10.0	0.6667	15.0	6.67
11.20	17.0	27.0	17.0	1.1333	15.0	6.67
11.40	27.0	44.0	27.0	1.8	15.0	6.67
11.60	33.0	60.0	33.0	2.1333	15.47	6.46
11.80	32.0	64.0	32.0	1.8667	17.14	5.83
12.00	23.0	51.0	23.0	1.4667	15.68	6.38

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.40	10.5	0.4667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
0.60	20.0	0.5333	1.86	Incoerente	Sabbia argilloso-limosa
1.00	16.5	0.5667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
1.40	12.0	0.6334	1.86	Coesivo	Limo argilloso plastico
1.60	8.0	0.4667	1.86	Coesivo	Limo argilloso soffice
2.00	12.0	0.4667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
2.40	23.0	0.5	1.86	Incoerente	Sabbie limose
2.60	17.0	0.6667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
3.40	8.5	0.4167	1.86	Coesivo	Limo argilloso soffice
3.80	13.0	0.5	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
4.20	25.0	0.2334	1.86	Incoerente	Sabbie limose
4.40	13.0	0.4667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
4.60	23.0	0.2667	1.86	Incoerente	Sabbia
4.80	14.0	0.6	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
5.40	18.3333	0.5555	1.86	Incoerente	Sabbia argilloso-limosa
5.60	12.0	0.4667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
6.20	8.3333	0.5333	1.86	Coesivo	Argilla limosa soffice
6.60	12.0	0.6	1.86	Coesivo	Limo argilloso plastico
7.00	10.0	0.5334	1.86	Coesivo	Limo argilloso soffice
7.40	20.5	0.5	1.86	Incoerente	Sabbia argilloso-limosa
7.80	13.5	0.4667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
8.80	6.2	0.48	1.86	Coesivo	Argilla limosa soffice
9.00	9.0	0.5333	1.86	Coesivo	Limo argilloso soffice
9.40	14.0	0.6667	1.86	Coesivo	Limo argilloso plastico
9.60	7.0	0.5333	1.86	Coesivo	Argilla limosa soffice
10.00	9.0	0.4667	1.86	Coesivo	Limo argilloso soffice
10.80	6.75	0.3833	1.86	Coesivo	Limo argilloso soffice
11.00	10.0	0.6667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
11.40	22.0	1.4667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
11.80	32.5	2.0	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
12.00	23.0	1.4667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato

PROVA CPT 4 – Ostiglia - Angolo Via Oglio - Via Adda

Prova eseguita in data

10/09/2002

Profondità prova

11,00 mt

Falda

Quota = 2,25 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	14.0	24.0	14.0	1.1333	12.35	8.1
0.40	23.0	40.0	23.0	1.1333	20.29	4.93
0.60	17.0	34.0	17.0	1.2	14.17	7.06
0.80	21.0	39.0	21.0	1.0667	19.69	5.08
1.00	18.0	34.0	18.0	0.4667	38.57	2.59
1.20	20.0	27.0	20.0	0.2667	74.99	1.33
1.40	17.0	21.0	17.0	0.8667	19.61	5.1
1.60	16.0	29.0	16.0	0.8667	18.46	5.42
1.80	13.0	26.0	13.0	0.8	16.25	6.15
2.00	14.0	26.0	14.0	0.7333	19.09	5.24
2.20	13.0	24.0	13.0	0.7333	17.73	5.64
2.40	12.0	23.0	12.0	0.6	20.0	5.0
2.60	12.0	21.0	12.0	0.7333	16.36	6.11
2.80	13.0	24.0	13.0	0.6	21.67	4.62
3.00	9.0	18.0	9.0	0.5333	16.88	5.93
3.20	10.0	18.0	10.0	0.6667	15.0	6.67
3.40	11.0	21.0	11.0	0.6667	16.5	6.06
3.60	13.0	23.0	13.0	0.6667	19.5	5.13
3.80	10.0	20.0	10.0	0.9333	10.71	9.33
4.00	17.0	31.0	17.0	0.5333	31.88	3.14
4.20	35.0	43.0	35.0	1.4667	23.86	4.19
4.40	26.0	48.0	26.0	0.9333	27.86	3.59
4.60	24.0	38.0	24.0	1.2	20.0	5.0
4.80	22.0	40.0	22.0	1.6667	13.2	7.58
5.00	12.0	37.0	12.0	0.8	15.0	6.67
5.20	13.0	25.0	13.0	0.6667	19.5	5.13
5.40	12.0	22.0	12.0	0.7333	16.36	6.11
5.60	14.0	25.0	14.0	0.8667	16.15	6.19
5.80	16.0	29.0	16.0	0.4667	34.28	2.92
6.00	15.0	22.0	15.0	0.5333	28.13	3.56
6.20	14.0	22.0	14.0	0.6	23.33	4.29
6.40	14.0	23.0	14.0	0.6667	21.0	4.76
6.60	11.0	21.0	11.0	0.5333	20.63	4.85
6.80	9.0	17.0	9.0	0.6	15.0	6.67
7.00	8.0	17.0	8.0	0.6	13.33	7.5
7.20	10.0	19.0	10.0	0.7333	13.64	7.33
7.40	10.0	21.0	10.0	1.1333	8.82	11.33
7.60	28.0	45.0	28.0	0.6667	42.0	2.38
7.80	31.0	41.0	31.0	1.4667	21.14	4.73
8.00	32.0	54.0	32.0	1.8	17.78	5.63
8.20	41.0	68.0	41.0	1.6667	24.6	4.07
8.40	40.0	65.0	40.0	1.8	22.22	4.5
8.60	60.0	87.0	60.0	1.6667	36.0	2.78
8.80	77.0	102.0	77.0	3.6	21.39	4.68
9.00	78.0	132.0	78.0	2.5333	30.79	3.25
9.20	60.0	98.0	60.0	1.4667	40.91	2.44
9.40	32.0	54.0	32.0	1.5333	20.87	4.79
9.60	35.0	58.0	35.0	1.0667	32.81	3.05
9.80	20.0	36.0	20.0	2.2	9.09	11.0
10.00	54.0	87.0	54.0	1.7333	31.15	3.21
10.20	80.0	106.0	80.0	1.6	50.0	2.0
10.40	30.0	54.0	30.0	1.4667	20.45	4.89
10.60	58.0	80.0	58.0	1.1333	51.18	1.95
10.80	18.0	35.0	18.0	0.9333	19.29	5.19
11.00	16.0	30.0	16.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.20	14.0	1.1333	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
0.80	20.3333	1.1333	1.91	Coesivo	Limo argilloso plastico
1.20	19.0	0.3667	1.91	Incoerente	Sabbie limose
1.60	16.5	0.8667	1.91	Coesivo	Limo argilloso plastico
2.80	12.8333	0.7	1.91	Coesivo	Limo argilloso plastico
3.20	9.5	0.6	1.91	Coesivo	Argilla limosa soffice
3.80	11.3333	0.7556	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
4.00	17.0	0.5333	1.91	Incoerente	Sabbia argilloso-limosa
4.20	35.0	1.4667	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
4.80	24.0	1.2667	1.91	Coesivo	Limo argilloso consistente
5.60	12.75	0.7667	1.91	Coesivo	Limo argilloso plastico
6.40	14.75	0.5667	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
6.60	11.0	0.5333	1.91	Coesivo	Limo argilloso soffice
7.40	9.25	0.7667	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
8.00	30.3333	1.3111	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
8.40	40.5	1.7334	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
9.20	68.75	2.3167	1.91	Incoerente	Sabbie limose
9.60	33.5	1.3	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
9.80	20.0	2.2	1.91	Coesivo	Argilla consistente
10.00	54.0	1.7333	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
10.20	80.0	1.6	1.91	Incoerente	Sabbie limose
10.40	30.0	1.4667	1.91	Coesivo	Limo argilloso consistente
10.60	58.0	1.1333	1.91	Incoerente	Sabbie limose
10.80	18.0	0.9333	1.91	Coesivo	Limo argilloso plastico

PROVA CPT 5 – Ostiglia - Strada Viazzuolo - Ristorante Nuova California

Prova eseguita in data
Profondità prova
Falda

17/06/2003
9,40 mt
Quota = 1,85 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	95.0	104.0	95.0	0.6	158.33	0.63
0.40	96.0	105.0	96.0	1.0	96.0	1.04
0.60	89.0	104.0	89.0	0.8	111.25	0.9
0.80	28.0	40.0	28.0	1.1333	24.71	4.05
1.00	15.0	32.0	15.0	1.0667	14.06	7.11
1.20	14.0	30.0	14.0	0.4667	30.0	3.33
1.40	10.0	17.0	10.0	0.3333	30.0	3.33
1.60	13.0	18.0	13.0	0.6667	19.5	5.13
1.80	11.0	21.0	11.0	0.4	27.5	3.64
2.00	12.0	18.0	12.0	0.8	15.0	6.67
2.20	10.0	22.0	10.0	0.5333	18.75	5.33
2.40	10.0	18.0	10.0	0.4667	21.43	4.67
2.60	9.0	16.0	9.0	0.4	22.5	4.44
2.80	9.0	15.0	9.0	0.5333	16.88	5.93
3.00	12.0	20.0	12.0	0.0667	179.91	0.56
3.20	24.0	25.0	24.0	0.6667	36.0	2.78
3.40	10.0	20.0	10.0	0.4	25.0	4.0
3.60	15.0	21.0	15.0	0.6	25.0	4.0
3.80	12.0	21.0	12.0	0.4667	25.71	3.89
4.00	13.0	20.0	13.0	0.6	21.67	4.62
4.20	14.0	23.0	14.0	0.7333	19.09	5.24
4.40	10.0	21.0	10.0	0.4	25.0	4.0
4.60	14.0	20.0	14.0	0.8	17.5	5.71
4.80	14.0	26.0	14.0	0.4	35.0	2.86
5.00	14.0	20.0	14.0	0.4667	30.0	3.33
5.20	7.0	14.0	7.0	0.5333	13.13	7.62
5.40	11.0	19.0	11.0	0.6667	16.5	6.06
5.60	22.0	32.0	22.0	1.0	22.0	4.55
5.80	37.0	52.0	37.0	2.0667	17.9	5.59
6.00	49.0	80.0	49.0	2.6	18.85	5.31
6.20	62.0	101.0	62.0	3.0	20.67	4.84
6.40	60.0	105.0	60.0	1.8	33.33	3.0
6.60	69.0	96.0	69.0	2.2	31.36	3.19
6.80	80.0	113.0	80.0	2.9333	27.27	3.67
7.00	52.0	96.0	52.0	1.9333	26.9	3.72
7.20	51.0	80.0	51.0	2.0667	24.68	4.05
7.40	46.0	77.0	46.0	1.6	28.75	3.48
7.60	34.0	58.0	34.0	1.3333	25.5	3.92
7.80	41.0	61.0	41.0	1.2667	32.37	3.09
8.00	128.0	147.0	128.0	2.2	58.18	1.72
8.20	89.0	122.0	89.0	1.6667	53.4	1.87
8.40	55.0	80.0	55.0	2.2667	24.26	4.12
8.60	91.0	125.0	91.0	0.8667	105.0	0.95
8.80	58.0	71.0	58.0	1.2667	45.79	2.18
9.00	15.0	34.0	15.0	0.6	25.0	4.0
9.20	16.0	25.0	16.0	0.8	20.0	5.0
9.40	18.0	30.0	18.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm²)	fs Media (Kg/cm²)	Gamma Medio (t/m³)	Comp. Geotecnico	Descrizione
0.60	93.3333	0.8	2.23	Incoerente	Sabbie ghiaiose
0.80	28.0	1.1333	2.23	Incoerente-Coesivo	Limo argilloso-sabbioso
1.20	14.5	0.7667	2.23	Coesivo	Limo argilloso plastico
1.40	10.0	0.3333	2.23	Incoerente-Coesivo	Limo argilloso-sabbioso
1.60	13.0	0.6667	2.23	Coesivo	Limo argilloso plastico
2.00	11.5	0.6	2.23	Coesivo	Limo argilloso soffice
2.40	10.0	0.5	2.23	Coesivo	Limo argilloso soffice
2.80	9.0	0.4667	2.23	Coesivo	Limo argilloso soffice
3.00	12.0	0.0667	2.23	Incoerente	Sabbia argilloso-limosa
3.20	24.0	0.6667	2.23	Incoerente	Sabbia argilloso-limosa
3.40	10.0	0.4	2.23	Incoerente-Coesivo	Limo argilloso-sabbioso
4.20	13.5	0.6	2.23	Incoerente-Coesivo	Limo argilloso-sabbioso
4.40	10.0	0.4	2.23	Incoerente-Coesivo	Limo argilloso-sabbioso
5.00	14.0	0.5556	2.23	Incoerente-Coesivo	Limo argilloso-sabbioso
5.20	7.0	0.5333	2.23	Coesivo	Argilla limosa soffice
5.40	11.0	0.6667	2.23	Coesivo	Limo argilloso plastico
5.60	22.0	1.0	2.23	Coesivo	Limo argilloso plastico
5.80	37.0	2.0667	2.23	Coesivo	Limo argilloso consistente
6.00	49.0	2.6	2.23	Coesivo	Limo argilloso molto consistente
6.60	63.6667	2.3333	2.23	Incoerente-Coesivo	Limo argilloso-sabbioso
6.80	80.0	2.9333	2.23	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
7.20	51.5	2.0	2.23	Incoerente-Coesivo	Limo argilloso-sabbioso
7.40	46.0	1.6	2.23	Coesivo	Limo argilloso molto consistente
7.80	37.5	1.3	2.23	Incoerente-Coesivo	Limo argilloso-sabbioso
8.20	108.5	1.9334	2.23	Incoerente	Sabbie limose
8.40	55.0	2.2667	2.23	Incoerente-Coesivo	Limo argilloso-sabbioso
8.60	91.0	0.8667	2.23	Incoerente	Sabbie limose
8.80	58.0	1.2667	2.23	Incoerente	Sabbie limose
9.20	15.5	0.7	2.23	Incoerente-Coesivo	Limo argilloso-sabbioso

PROVA CPT 6 – Ostiglia – Via Porto

Prova eseguita in data
Profondità prova
Falda

28/04/2004
10,40 mt
Quota = 2,60 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	12.0	19.0	12.0	0.6667	18.0	5.56
0.40	11.0	21.0	11.0	0.8667	12.69	7.88
0.60	17.0	30.0	17.0	0.6667	25.5	3.92
0.80	22.0	32.0	22.0	1.1333	19.41	5.15
1.00	15.0	32.0	15.0	1.2667	11.84	8.44
1.20	21.0	40.0	21.0	0.9333	22.5	4.44
1.40	16.0	30.0	16.0	0.9333	17.14	5.83
1.60	27.0	41.0	27.0	0.6667	40.5	2.47
1.80	12.0	22.0	12.0	0.8	15.0	6.67
2.00	12.0	24.0	12.0	0.2667	44.99	2.22
2.20	14.0	18.0	14.0	0.4667	30.0	3.33
2.40	10.0	17.0	10.0	0.4667	21.43	4.67
2.60	12.0	19.0	12.0	0.3333	36.0	2.78
2.80	9.0	14.0	9.0	0.2	45.0	2.22
3.00	12.0	15.0	12.0	0.3333	36.0	2.78
3.20	12.0	17.0	12.0	0.4667	25.71	3.89
3.40	12.0	19.0	12.0	0.6667	18.0	5.56
3.60	48.0	58.0	48.0	1.0	48.0	2.08
3.80	51.0	66.0	51.0	1.2	42.5	2.35
4.00	47.0	65.0	47.0	1.6	29.38	3.4
4.20	59.0	83.0	59.0	1.4667	40.23	2.49
4.40	43.0	65.0	43.0	0.9333	46.07	2.17
4.60	32.0	46.0	32.0	0.8667	36.92	2.71
4.80	29.0	42.0	29.0	0.8667	33.46	2.99
5.00	20.0	33.0	20.0	1.1333	17.65	5.67
5.20	29.0	46.0	29.0	0.3333	87.01	1.15
5.40	27.0	32.0	27.0	0.7333	36.82	2.72
5.60	38.0	49.0	38.0	0.8667	43.84	2.28
5.80	37.0	50.0	37.0	0.9333	39.64	2.52
6.00	43.0	57.0	43.0	1.1333	37.94	2.64
6.20	52.0	69.0	52.0	1.3333	39.0	2.56
6.40	47.0	67.0	47.0	1.4667	32.04	3.12
6.60	32.0	54.0	32.0	1.0	32.0	3.13
6.80	23.0	38.0	23.0	0.8667	26.54	3.77
7.00	37.0	50.0	37.0	0.8667	42.69	2.34
7.20	22.0	35.0	22.0	1.2667	17.37	5.76
7.40	12.0	31.0	12.0	0.2	60.0	1.67
7.60	21.0	24.0	21.0	1.0667	19.69	5.08
7.80	63.0	79.0	63.0	1.1333	55.59	1.8
8.00	57.0	74.0	57.0	1.4667	38.86	2.57
8.20	67.0	89.0	67.0	1.8	37.22	2.69
8.40	67.0	94.0	67.0	2.2	30.45	3.28
8.60	55.0	88.0	55.0	1.6	34.38	2.91
8.80	74.0	98.0	74.0	1.7333	42.69	2.34
9.00	52.0	78.0	52.0	1.6	32.5	3.08
9.20	48.0	72.0	48.0	1.4667	32.73	3.06
9.40	72.0	94.0	72.0	1.7333	41.54	2.41
9.60	63.0	89.0	63.0	2.0667	30.48	3.28
9.80	63.0	94.0	63.0	1.8	35.0	2.86
10.00	82.0	109.0	82.0	2.0667	39.68	2.52
10.20	85.0	116.0	85.0	2.0667	41.13	2.43
10.40	77.0	108.0	77.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm²)	fs Media (Kg/cm²)	Gamma Medio (t/m³)	Comp. Geotecnico	Descrizione
0.40	11.5	0.7667	1.89	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
0.80	19.5	0.9	1.89	Coesivo	Limo argilloso plastico
1.00	15.0	1.2667	1.89	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
1.20	21.0	0.9333	1.89	Incoerente-Coesivo	Limo argilloso-sabbioso
1.40	16.0	0.9333	1.89	Coesivo	Limo argilloso plastico
1.60	27.0	0.6667	1.89	Incoerente	Sabbia argilloso-limosa
2.00	12.0	0.5334	1.89	Incoerente-Coesivo	Limo argilloso-sabbioso
2.20	14.0	0.4667	1.89	Incoerente-Coesivo	Limo argilloso-sabbioso
2.60	11.0	0.4	1.89	Incoerente-Coesivo	Limo argilloso-sabbioso
2.80	9.0	0.2	1.89	Incoerente	Sabbie limose
3.40	12.0	0.4889	1.89	Incoerente-Coesivo	Limo argilloso-sabbioso
4.00	48.6667	1.2667	1.89	Incoerente	Sabbia argilloso-limosa
4.20	59.0	1.4667	1.89	Incoerente	Sabbia argilloso-limosa
4.40	43.0	0.9333	1.89	Incoerente	Sabbie limose
5.40	27.4	0.7867	1.89	Incoerente	Sabbia argilloso-limosa
5.80	37.5	0.9	1.89	Incoerente	Sabbia argilloso-limosa
6.40	47.3333	1.3111	1.89	Incoerente	Sabbia argilloso-limosa
6.80	27.5	0.9334	1.89	Incoerente-Coesivo	Limo argilloso-sabbioso
7.00	37.0	0.8667	1.89	Incoerente	Sabbia argilloso-limosa
7.20	22.0	1.2667	1.89	Coesivo	Limo argilloso consistente
7.40	12.0	0.2	1.89	Incoerente	Sabbia
7.60	21.0	1.0667	1.89	Coesivo	Limo argilloso plastico
8.00	60.0	1.3	1.89	Incoerente	Sabbie limose
8.40	67.0	2.0	1.89	Incoerente	Sabbia argilloso-limosa
9.00	60.3333	1.6444	1.89	Incoerente	Sabbia argilloso-limosa
9.20	48.0	1.4667	1.89	Incoerente	Sabbia argilloso-limosa
9.80	66.0	1.8667	1.89	Incoerente	Sabbia argilloso-limosa
10.20	83.5	2.0667	1.89	Incoerente	Sabbia argilloso-limosa

PROVA CPT 7 – Ostiglia – Zona ZAI

Prova eseguita in data
Profondità prova
Falda

28/04/2004
11,40 mt
Quota = 1,55 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	9.0	21.0	9.0	1.1333	7.94	12.59
0.40	12.0	29.0	12.0	0.7333	16.36	6.11
0.60	15.0	26.0	15.0	1.0667	14.06	7.11
0.80	11.0	27.0	11.0	0.8	13.75	7.27
1.00	14.0	26.0	14.0	0.8	17.5	5.71
1.20	15.0	27.0	15.0	0.8	18.75	5.33
1.40	14.0	26.0	14.0	0.6667	21.0	4.76
1.60	17.0	27.0	17.0	0.6	28.33	3.53
1.80	15.0	24.0	15.0	0.5333	28.13	3.56
2.00	18.0	26.0	18.0	0.4667	38.57	2.59
2.20	25.0	32.0	25.0	0.8	31.25	3.2
2.40	20.0	32.0	20.0	1.0667	18.75	5.33
2.60	18.0	34.0	18.0	0.6	30.0	3.33
2.80	15.0	24.0	15.0	0.4	37.5	2.67
3.00	26.0	32.0	26.0	0.6	43.33	2.31
3.20	11.0	20.0	11.0	1.0667	10.31	9.7
3.40	10.0	26.0	10.0	0.4667	21.43	4.67
3.60	7.0	14.0	7.0	0.5333	13.13	7.62
3.80	8.0	16.0	8.0	0.2667	30.0	3.33
4.00	8.0	12.0	8.0	0.4667	17.14	5.83
4.20	7.0	14.0	7.0	0.2	35.0	2.86
4.40	12.0	15.0	12.0	0.5333	22.5	4.44
4.60	10.0	18.0	10.0	0.5333	18.75	5.33
4.80	9.0	17.0	9.0	0.4667	19.28	5.19
5.00	10.0	17.0	10.0	0.6	16.67	6.0
5.20	9.0	18.0	9.0	0.4	22.5	4.44
5.40	12.0	18.0	12.0	0.4	30.0	3.33
5.60	8.0	14.0	8.0	0.5333	15.0	6.67
5.80	7.0	15.0	7.0	2.2667	3.09	32.38
6.00	88.0	122.0	88.0	1.5333	57.39	1.74
6.20	119.0	142.0	119.0	3.2667	36.43	2.75
6.40	88.0	137.0	88.0	2.2667	38.82	2.58
6.60	74.0	108.0	74.0	1.9333	38.28	2.61
6.80	72.0	101.0	72.0	2.0	36.0	2.78
7.00	94.0	124.0	94.0	2.5333	37.11	2.7
7.20	54.0	92.0	54.0	1.6	33.75	2.96
7.40	84.0	108.0	84.0	1.8667	45.0	2.22
7.60	94.0	122.0	94.0	2.1333	44.06	2.27
7.80	79.0	111.0	79.0	2.2	35.91	2.78
8.00	121.0	154.0	121.0	2.1333	56.72	1.76
8.20	83.0	115.0	83.0	2.1333	38.91	2.57
8.40	90.0	122.0	90.0	2.6	34.62	2.89
8.60	149.0	188.0	149.0	3.4667	42.98	2.33
8.80	141.0	193.0	141.0	3.2667	43.16	2.32
9.00	107.0	156.0	107.0	2.9333	36.48	2.74
9.20	124.0	168.0	124.0	1.8667	66.43	1.51
9.40	98.0	126.0	98.0	2.4	40.83	2.45
9.60	46.0	82.0	46.0	1.4	32.86	3.04
9.80	35.0	56.0	35.0	1.2	29.17	3.43
10.00	26.0	44.0	26.0	1.0	26.0	3.85
10.20	19.0	34.0	19.0	0.4	47.5	2.11
10.40	10.0	16.0	10.0	0.8667	11.54	8.67
10.60	19.0	32.0	19.0	0.5333	35.63	2.81
10.80	25.0	33.0	25.0	1.1333	22.06	4.53
11.00	16.0	33.0	16.0	1.0667	15.0	6.67
11.20	24.0	40.0	24.0	1.0	24.0	4.17
11.40	21.0	36.0	21.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm²)	fs Media (Kg/cm²)	Gamma Medio (t/m³)	Comp. Geotecnico	Descrizione
0.20	9.0	1.1333	1.84	Coesivo	Argilla torbosa plastica
0.80	12.6667	0.8667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
1.40	14.3333	0.7556	1.84	Coesivo	Limo argilloso plastico
1.80	16.0	0.5667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
2.00	18.0	0.4667	1.84	Incoerente	Sabbia argilloso-limosa
2.20	25.0	0.8	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
2.60	19.0	0.8334	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
2.80	15.0	0.4	1.84	Incoerente	Sabbia argilloso-limosa
3.00	26.0	0.6	1.84	Incoerente	Sabbie limose
3.40	10.5	0.7667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
4.20	7.5	0.3667	1.84	Coesivo	Limo argilloso soffice
4.40	12.0	0.5333	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
5.20	9.5	0.5	1.84	Coesivo	Limo argilloso soffice
5.40	12.0	0.4	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
5.80	7.5	1.4	1.84	Coesivo	Torbe
6.40	98.3333	2.3556	1.84	Incoerente	Sabbia argilloso-limosa
6.80	73.0	1.9667	1.84	Incoerente	Sabbia argilloso-limosa
7.00	94.0	2.5333	1.84	Incoerente	Sabbia argilloso-limosa
7.20	54.0	1.6	1.84	Incoerente	Sabbia argilloso-limosa
7.80	85.6667	2.0667	1.84	Incoerente	Sabbia argilloso-limosa
8.00	121.0	2.1333	1.84	Incoerente	Sabbie limose
8.40	86.5	2.3667	1.84	Incoerente	Sabbia argilloso-limosa
9.40	123.8	2.7867	1.84	Incoerente	Sabbia limosa addensata
9.60	46.0	1.4	1.84	Incoerente	Sabbia argilloso-limosa
10.00	30.5	1.1	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
10.20	19.0	0.4	1.84	Incoerente	Sabbie limose
10.40	10.0	0.8667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
10.60	19.0	0.5333	1.84	Incoerente	Sabbia argilloso-limosa
10.80	25.0	1.1333	1.84	Coesivo	Limo argilloso consistente
11.00	16.0	1.0667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
11.20	24.0	1.0	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso

PROVA CPT 8 – Ostiglia – Zona ZAI

Prova eseguita in data
Profondità prova
Falda

17/06/2004
13,40 mt
Quota = 0,70 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	4.0	10.0	4.0	0.4667	8.57	11.67
0.40	4.0	11.0	4.0	0.2667	15.0	6.67
0.60	5.0	9.0	5.0	0.2	25.0	4.0
0.80	1.0	4.0	1.0	0.1333	7.5	13.33
1.00	1.0	3.0	1.0	0.2667	3.75	26.67
1.20	5.0	9.0	5.0	0.6667	7.5	13.33
1.40	2.0	12.0	2.0	0.4667	4.29	23.34
1.60	1.0	8.0	1.0	0.4	2.5	40.0
1.80	1.0	7.0	1.0	0.2667	3.75	26.67
2.00	1.0	5.0	1.0	0.2667	3.75	26.67
2.20	3.0	7.0	3.0	0.3333	9.0	11.11
2.40	5.0	10.0	5.0	0.4667	10.71	9.33
2.60	7.0	14.0	7.0	0.4	17.5	5.71
2.80	13.0	19.0	13.0	0.8	16.25	6.15
3.00	37.0	49.0	37.0	1.3333	27.75	3.6
3.20	73.0	93.0	73.0	1.5333	47.61	2.1
3.40	49.0	72.0	49.0	0.9333	52.5	1.9
3.60	51.0	65.0	51.0	1.6667	30.6	3.27
3.80	20.0	45.0	20.0	0.8	25.0	4.0
4.00	26.0	38.0	26.0	1.0667	24.37	4.1
4.20	39.0	55.0	39.0	1.4667	26.59	3.76
4.40	66.0	88.0	66.0	1.8	36.67	2.73
4.60	66.0	93.0	66.0	1.5333	43.04	2.32
4.80	118.0	141.0	118.0	2.0667	57.1	1.75
5.00	83.0	114.0	83.0	1.8	46.11	2.17
5.20	102.0	129.0	102.0	2.0667	49.35	2.03
5.40	96.0	127.0	96.0	1.4667	65.45	1.53
5.60	88.0	110.0	88.0	1.6667	52.8	1.89
5.80	79.0	104.0	79.0	2.2	35.91	2.78
6.00	29.0	62.0	29.0	1.6667	17.4	5.75
6.20	52.0	77.0	52.0	1.7333	30.0	3.33
6.40	73.0	99.0	73.0	2.4	30.42	3.29
6.60	168.0	204.0	168.0	3.3333	50.4	1.98
6.80	201.0	251.0	201.0	3.6667	54.82	1.82
7.00	199.0	254.0	199.0	3.8	52.37	1.91
7.20	204.0	261.0	204.0	3.7333	54.64	1.83
7.40	201.0	257.0	201.0	3.0	67.0	1.49
7.60	168.0	213.0	168.0	4.2667	39.37	2.54
7.80	55.0	119.0	55.0	2.6667	20.62	4.85
8.00	49.0	89.0	49.0	1.2	40.83	2.45
8.20	63.0	81.0	63.0	1.7333	36.35	2.75
8.40	12.0	38.0	12.0	3.0	4.0	25.0
8.60	21.0	66.0	21.0	0.2	105.0	0.95
8.80	63.0	66.0	63.0	1.6	39.38	2.54
9.00	17.0	41.0	17.0	0.8667	19.61	5.1
9.20	15.0	28.0	15.0	0.6667	22.5	4.44
9.40	10.0	20.0	10.0	0.5333	18.75	5.33
9.60	7.0	15.0	7.0	0.4	17.5	5.71
9.80	7.0	13.0	7.0	0.4667	15.0	6.67
10.00	8.0	15.0	8.0	0.4	20.0	5.0
10.20	14.0	20.0	14.0	0.8	17.5	5.71
10.40	28.0	40.0	28.0	0.6667	42.0	2.38
10.60	71.0	81.0	71.0	1.7333	40.96	2.44
10.80	93.0	119.0	93.0	1.6667	55.8	1.79
11.00	83.0	108.0	83.0	2.0667	40.16	2.49
11.20	34.0	65.0	34.0	0.8667	39.23	2.55
11.40	28.0	41.0	28.0	0.8667	32.31	3.1
11.60	53.0	66.0	53.0	1.1333	46.77	2.14

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.40	4.0	0.3667	1.70	Coesivo	Argilla torbosa molto dura
0.60	5.0	0.2	1.70	Incoerente-Coesivo	Limo argilloso-sabbioso
1.00	1.0	0.2	1.70	Coesivo	Argilla torbosa
1.20	5.0	0.6667	1.70	Coesivo	Argilla torbosa plastica
2.00	1.25	0.35	1.70	Coesivo	Argilla torbosa
2.40	4.0	0.4	1.70	Coesivo	Argilla torbosa molto dura
2.60	7.0	0.4	1.70	Coesivo	Limo argilloso soffice
2.80	13.0	0.8	1.70	Coesivo	Limo argilloso plastico
3.00	37.0	1.3333	1.70	Incoerente-Coesivo	Limo argilloso-sabbioso
3.20	73.0	1.5333	1.70	Incoerente	Sabbie limose
3.60	50.0	1.3	1.70	Incoerente	Sabbia argilloso-limosa
4.20	28.3333	1.1111	1.70	Incoerente-Coesivo	Limo argilloso-sabbioso
4.60	66.0	1.6667	1.70	Incoerente	Sabbia argilloso-limosa
5.20	101.0	1.9778	1.70	Incoerente	Sabbie limose
5.80	87.6667	1.7778	1.70	Incoerente	Sabbie limose
6.00	29.0	1.6667	1.70	Coesivo	Limo argilloso consistente
6.20	52.0	1.7333	1.70	Incoerente-Coesivo	Limo argilloso-sabbioso
6.40	73.0	2.4	1.70	Incoerente-Coesivo	Limo argilloso-sabbioso
7.60	190.1667	3.6333	1.70	Incoerente	Sabbia limosa addensata
8.20	55.6667	1.8667	1.70	Incoerente-Coesivo	Limo argilloso-sabbioso
8.40	12.0	3.0	1.70	Incoerente-Coesivo	Limo argilloso-sabbioso
8.60	21.0	0.2	1.70	Incoerente	Sabbie limose
8.80	63.0	1.6	1.70	Incoerente	Sabbia argilloso-limosa
9.20	16.0	0.7667	1.70	Coesivo	Limo argilloso plastico
9.40	10.0	0.5333	1.70	Coesivo	Limo argilloso soffice
10.00	7.3333	0.4222	1.70	Coesivo	Limo argilloso soffice
10.20	14.0	0.8	1.70	Coesivo	Limo argilloso plastico
10.40	28.0	0.6667	1.70	Incoerente	Sabbia argilloso-limosa
11.00	82.3333	1.8222	1.70	Incoerente	Sabbie limose
11.40	31.0	0.8667	1.70	Incoerente	Sabbia argilloso-limosa
12.00	51.6667	1.2222	1.70	Incoerente	Sabbia argilloso-limosa
12.20	46.0	1.7333	1.70	Incoerente-Coesivo	Limo argilloso-sabbioso
12.40	26.0	0.8	1.70	Incoerente	Sabbia argilloso-limosa
12.60	13.0	0.8	1.70	Coesivo	Limo argilloso plastico
12.80	9.0	1.4667	1.70	Coesivo	Argilla torbosa consistente
13.00	55.0	2.2	1.70	Incoerente-Coesivo	Limo argilloso-sabbioso
13.20	74.0	2.0	1.70	Incoerente	Sabbia argilloso-limosa

PROVA CPT 9 – Ostiglia – Via Fossato Nuovo

Prova eseguita in data

18/06/2004

Profondità prova

10,00 mt

Falda

Quota = 2,25 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	21.0	40.0	21.0	5.0667	4.14	24.13
0.40	20.0	96.0	20.0	1.3333	15.0	6.67
0.60	18.0	38.0	18.0	0.9333	19.29	5.19
0.80	21.0	35.0	21.0	0.8	26.25	3.81
1.00	26.0	38.0	26.0	0.8667	30.0	3.33
1.20	24.0	37.0	24.0	0.6667	36.0	2.78
1.40	27.0	37.0	27.0	0.7333	36.82	2.72
1.60	26.0	37.0	26.0	0.6	43.33	2.31
1.80	14.0	23.0	14.0	0.4	35.0	2.86
2.00	12.0	18.0	12.0	0.4667	25.71	3.89
2.20	11.0	18.0	11.0	0.4667	23.57	4.24
2.40	13.0	20.0	13.0	0.4667	27.86	3.59
2.60	13.0	20.0	13.0	0.6	21.67	4.62
2.80	12.0	21.0	12.0	0.4667	25.71	3.89
3.00	14.0	21.0	14.0	0.5333	26.25	3.81
3.20	10.0	18.0	10.0	0.4	25.0	4.0
3.40	9.0	15.0	9.0	0.4	22.5	4.44
3.60	9.0	15.0	9.0	0.4	22.5	4.44
3.80	11.0	17.0	11.0	0.6667	16.5	6.06
4.00	12.0	22.0	12.0	0.6	20.0	5.0
4.20	11.0	20.0	11.0	0.4667	23.57	4.24
4.40	11.0	18.0	11.0	0.5333	20.63	4.85
4.60	13.0	21.0	13.0	0.5333	24.38	4.1
4.80	10.0	18.0	10.0	0.8667	11.54	8.67
5.00	18.0	31.0	18.0	1.2667	14.21	7.04
5.20	49.0	68.0	49.0	2.0667	23.71	4.22
5.40	55.0	86.0	55.0	1.6	34.38	2.91
5.60	57.0	81.0	57.0	2.0667	27.58	3.63
5.80	96.0	127.0	96.0	3.4667	27.69	3.61
6.00	156.0	208.0	156.0	2.0667	75.48	1.32
6.20	195.0	226.0	195.0	3.7333	52.23	1.91
6.40	140.0	196.0	140.0	2.6667	52.5	1.9
6.60	145.0	185.0	145.0	2.8667	50.58	1.98
6.80	80.0	123.0	80.0	1.9333	41.38	2.42
7.00	54.0	83.0	54.0	2.6	20.77	4.81
7.20	51.0	90.0	51.0	2.2667	22.5	4.44
7.40	52.0	86.0	52.0	2.4	21.67	4.62
7.60	74.0	110.0	74.0	2.8	26.43	3.78
7.80	99.0	141.0	99.0	1.9333	51.21	1.95
8.00	105.0	134.0	105.0	2.6667	39.37	2.54
8.20	195.0	235.0	195.0	3.5333	55.19	1.81
8.40	204.0	257.0	204.0	2.6	78.46	1.27
8.60	157.0	196.0	157.0	2.4	65.42	1.53
8.80	132.0	168.0	132.0	2.8667	46.05	2.17
9.00	62.0	105.0	62.0	2.2	28.18	3.55
9.20	75.0	108.0	75.0	1.6	46.88	2.13
9.40	51.0	75.0	51.0	1.6667	30.6	3.27
9.60	40.0	65.0	40.0	1.3333	30.0	3.33
9.80	18.0	38.0	18.0	0.9333	19.29	5.19
10.00	14.0	28.0	14.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.40	20.5	3.2	1.98	Coesivo	Argilla torbosa molto consistente
0.60	18.0	0.9333	1.98	Coesivo	Limo argilloso plastico
1.00	23.5	0.8334	1.98	Incoerente-Coesivo	Limo argilloso-sabbioso
1.60	25.6667	0.6667	1.98	Incoerente	Sabbie limose
3.00	12.7143	0.4857	1.98	Incoerente	Limo argilloso-sabbioso
3.60	9.3333	0.4	1.98	Incoerente	Limo argilloso-sabbioso
4.40	11.25	0.5667	1.98	Coesivo	Limo argilloso soffice
4.60	13.0	0.5333	1.98	Incoerente-Coesivo	Limo argilloso-sabbioso
4.80	10.0	0.8667	1.98	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
5.00	18.0	1.2667	1.98	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
5.60	53.6667	1.9111	1.98	Incoerente-Coesivo	Limo argilloso-sabbioso
5.80	96.0	3.4667	1.98	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
6.60	159.0	2.8334	1.98	Incoerente	Sabbia limosa addensata
6.80	80.0	1.9333	1.98	Incoerente	Sabbia argilloso-limosa
7.40	52.3333	2.4222	1.98	Coesivo	Limo argilloso molto consistente
7.60	74.0	2.8	1.98	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
8.00	102.0	2.3	1.98	Incoerente	Sabbie limose
8.80	172.0	2.85	1.98	Incoerente	Sabbia limosa addensata
9.20	68.5	1.9	1.98	Incoerente	Sabbia argilloso-limosa
9.60	45.5	1.5	1.98	Incoerente-Coesivo	Limo argilloso-sabbioso
9.80	18.0	0.9333	1.98	Coesivo	Limo argilloso plastico

PROVA CPT 10 – Melara (RO)

Prova eseguita in data

02/03/2005

Profondità prova

11,40 mt

Falda

Quota = 2,20 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	27.0	43.0	27.0	1.4667	18.41	5.43
0.40	9.0	31.0	9.0	0.8	11.25	8.89
0.60	10.0	22.0	10.0	0.5333	18.75	5.33
0.80	7.0	15.0	7.0	0.4	17.5	5.71
1.00	10.0	16.0	10.0	0.4	25.0	4.0
1.20	9.0	15.0	9.0	0.8667	10.38	9.63
1.40	24.0	37.0	24.0	0.5333	45.0	2.22
1.60	16.0	24.0	16.0	1.0	16.0	6.25
1.80	34.0	49.0	34.0	1.0667	31.87	3.14
2.00	49.0	65.0	49.0	1.1333	43.24	2.31
2.20	60.0	77.0	60.0	1.7333	34.62	2.89
2.40	54.0	80.0	54.0	0.9333	57.86	1.73
2.60	49.0	63.0	49.0	1.2667	38.68	2.59
2.80	52.0	71.0	52.0	1.5333	33.91	2.95
3.00	11.0	34.0	11.0	0.7333	15.0	6.67
3.20	11.0	22.0	11.0	0.6	18.33	5.45
3.40	9.0	18.0	9.0	0.5333	16.88	5.93
3.60	10.0	18.0	10.0	0.5333	18.75	5.33
3.80	10.0	18.0	10.0	0.6	16.67	6.0
4.00	10.0	19.0	10.0	0.5333	18.75	5.33
4.20	11.0	19.0	11.0	0.7333	15.0	6.67
4.40	10.0	21.0	10.0	0.7333	13.64	7.33
4.60	7.0	18.0	7.0	0.4667	15.0	6.67
4.80	8.0	15.0	8.0	0.5333	15.0	6.67
5.00	8.0	16.0	8.0	0.5333	15.0	6.67
5.20	9.0	17.0	9.0	0.5333	16.88	5.93
5.40	9.0	17.0	9.0	0.6667	13.5	7.41
5.60	11.0	21.0	11.0	0.8667	12.69	7.88
5.80	10.0	23.0	10.0	0.9333	10.71	9.33
6.00	10.0	24.0	10.0	0.9333	10.71	9.33
6.20	12.0	26.0	12.0	0.9333	12.86	7.78
6.40	12.0	26.0	12.0	0.8	15.0	6.67
6.60	14.0	26.0	14.0	0.8	17.5	5.71
6.80	14.0	26.0	14.0	0.8667	16.15	6.19
7.00	12.0	25.0	12.0	0.8667	13.85	7.22
7.20	11.0	24.0	11.0	0.8667	12.69	7.88
7.40	12.0	25.0	12.0	0.7333	16.36	6.11
7.60	9.0	20.0	9.0	0.6667	13.5	7.41
7.80	8.0	18.0	8.0	0.7333	10.91	9.17
8.00	7.0	18.0	7.0	0.5333	13.13	7.62
8.20	7.0	15.0	7.0	0.5333	13.13	7.62
8.40	9.0	17.0	9.0	0.7333	12.27	8.15
8.60	9.0	20.0	9.0	0.6667	13.5	7.41
8.80	8.0	18.0	8.0	0.8667	9.23	10.83
9.00	14.0	27.0	14.0	1.0	14.0	7.14
9.20	19.0	34.0	19.0	1.2667	15.0	6.67
9.40	24.0	43.0	24.0	1.5333	15.65	6.39
9.60	25.0	48.0	25.0	1.8667	13.39	7.47
9.80	23.0	51.0	23.0	1.6667	13.8	7.25
10.00	18.0	43.0	18.0	1.2667	14.21	7.04
10.20	9.0	28.0	9.0	0.8	11.25	8.89
10.40	8.0	20.0	8.0	0.6667	12.0	8.33
10.60	8.0	18.0	8.0	0.7333	10.91	9.17
10.80	15.0	26.0	15.0	1.0667	14.06	7.11
11.00	17.0	33.0	17.0	1.2667	13.42	7.45
11.20	15.0	34.0	15.0	1.0667	14.06	7.11
11.40	13.0	29.0	13.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.20	27.0	1.4667	2.02	Coesivo	Limo argilloso consistente
0.60	9.5	0.6667	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
0.80	7.0	0.4	2.02	Coesivo	Limo argilloso soffice
1.20	9.5	0.6334	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
1.40	24.0	0.5333	2.02	Incoerente	Sabbie limose
1.60	16.0	1.0	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
2.00	41.5	1.1	2.02	Incoerente	Sabbia argilloso-limosa
2.40	57.0	1.3333	2.02	Incoerente	Sabbie limose
2.80	50.5	1.4	2.02	Incoerente	Sabbia argilloso-limosa
3.20	11.0	0.6667	2.02	Coesivo	Limo argilloso plastico
4.00	9.75	0.55	2.02	Coesivo	Limo argilloso soffice
4.40	10.5	0.7333	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
5.00	7.6667	0.5111	2.02	Coesivo	Argilla limosa soffice
6.00	9.8	0.7867	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
6.40	12.0	0.8667	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
6.80	14.0	0.8334	2.02	Coesivo	Limo argilloso plastico
7.40	11.6667	0.8222	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
7.80	8.5	0.7	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
8.20	7.0	0.5333	2.02	Coesivo	Argilla limosa soffice
8.80	8.6667	0.7556	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
9.00	14.0	1.0	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
10.00	21.8	1.52	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
10.60	8.3333	0.7333	2.02	Coesivo	Limo argilloso
11.20	15.6667	1.1334	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato

PROVA CPT 11 – Serravalle a Po – Località Le Core

Prova eseguita in data

19/03/2005

Profondità prova

12,00 mt

Falda

Quota = 2.45 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	10.0	20.0	10.0	0.7333	13.64	7.33
0.40	10.0	21.0	10.0	1.1333	8.82	11.33
0.60	6.0	23.0	6.0	0.8	7.5	13.33
0.80	12.0	24.0	12.0	1.0	12.0	8.33
1.00	10.0	25.0	10.0	0.6667	15.0	6.67
1.20	9.0	19.0	9.0	0.4	22.5	4.44
1.40	8.0	14.0	8.0	0.7333	10.91	9.17
1.60	4.0	15.0	4.0	0.7333	5.45	18.33
1.80	4.0	15.0	4.0	0.6	6.67	15.0
2.00	10.0	19.0	10.0	0.7333	13.64	7.33
2.20	14.0	25.0	14.0	0.7333	19.09	5.24
2.40	13.0	24.0	13.0	1.0	13.0	7.69
2.60	26.0	41.0	26.0	0.4667	55.71	1.8
2.80	58.0	65.0	58.0	1.9333	30.0	3.33
3.00	40.0	69.0	40.0	1.2	33.33	3.0
3.20	37.0	55.0	37.0	1.6667	22.2	4.5
3.40	44.0	69.0	44.0	1.6667	26.4	3.79
3.60	54.0	79.0	54.0	2.0667	26.13	3.83
3.80	55.0	86.0	55.0	1.7333	31.73	3.15
4.00	62.0	88.0	62.0	2.4	25.83	3.87
4.20	66.0	102.0	66.0	2.9333	22.5	4.44
4.40	186.0	230.0	186.0	5.3333	34.88	2.87
4.60	220.0	300.0	220.0	6.2667	35.11	2.85
4.80	248.0	342.0	248.0	5.4	45.93	2.18
5.00	285.0	366.0	285.0	5.2	54.81	1.82
5.20	298.0	376.0	298.0	6.3333	47.05	2.13
5.40	283.0	378.0	283.0	8.8	32.16	3.11
5.60	196.0	328.0	196.0	5.8	33.79	2.96
5.80	240.0	327.0	240.0	4.5333	52.94	1.89
6.00	110.0	178.0	110.0	2.4667	44.59	2.24
6.20	32.0	69.0	32.0	2.2667	14.12	7.08
6.40	48.0	82.0	48.0	1.6667	28.8	3.47
6.60	68.0	93.0	68.0	1.5333	44.35	2.25
6.80	20.0	43.0	20.0	0.8667	23.08	4.33
7.00	50.0	63.0	50.0	2.2667	22.06	4.53
7.20	57.0	91.0	57.0	1.5333	37.17	2.69
7.40	26.0	49.0	26.0	1.3333	19.5	5.13
7.60	20.0	40.0	20.0	0.6	33.33	3.0
7.80	62.0	71.0	62.0	1.8667	33.21	3.01
8.00	20.0	48.0	20.0	1.1333	17.65	5.67
8.20	21.0	38.0	21.0	1.0	21.0	4.76
8.40	15.0	30.0	15.0	0.8667	17.31	5.78
8.60	12.0	25.0	12.0	0.8667	13.85	7.22
8.80	31.0	44.0	31.0	1.7333	17.88	5.59
9.00	46.0	72.0	46.0	1.7333	26.54	3.77
9.20	49.0	75.0	49.0	1.0	49.0	2.04
9.40	31.0	46.0	31.0	1.3333	23.25	4.3
9.60	62.0	82.0	62.0	1.6667	37.2	2.69
9.80	60.0	85.0	60.0	1.9333	31.04	3.22
10.00	29.0	58.0	29.0	2.8667	10.12	9.89
10.20	15.0	58.0	15.0	1.8	8.33	12.0
10.40	46.0	73.0	46.0	1.6667	27.6	3.62
10.60	68.0	93.0	68.0	1.4667	46.36	2.16
10.80	88.0	110.0	88.0	2.4	36.67	2.73
11.00	38.0	74.0	38.0	1.3333	28.5	3.51
11.20	12.0	32.0	12.0	0.5333	22.5	4.44
11.40	66.0	74.0	66.0	1.2	55.0	1.82
11.60	24.0	42.0	24.0	1.3333	18.0	5.56
11.80	42.0	62.0	42.0	1.0	42.0	2.38
12.00	37.0	52.0	37.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.40	10.0	0.9333	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
0.60	6.0	0.8	1.86	Coesivo	Argilla torbosa plastica
1.00	11.0	0.8334	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
1.40	8.5	0.5667	1.86	Coesivo	Argilla limosa soffice
1.80	4.0	0.6667	1.86	Coesivo	Argilla torbosa plastica
2.40	12.3333	0.8222	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
2.60	26.0	0.4667	1.86	Incoerente	Sabbie limose
2.80	58.0	1.9333	1.86	Incoerente	Limo argilloso-sabbioso
3.40	40.3333	1.5111	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
3.80	54.5	1.9	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
4.20	64.0	2.6667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
5.80	244.5	5.9583	1.86	Incoerente	Sabbia argilloso-limosa addensata
6.00	110.0	2.4667	1.86	Incoerente	Sabbie limose
6.20	32.0	2.2667	1.86	Coesivo	Argilla limosa molto consistente
6.40	48.0	1.6667	1.86	Incoerente	Limo argilloso-sabbioso
6.60	68.0	1.5333	1.86	Incoerente	Sabbie limose
6.80	20.0	0.8667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
7.20	53.5	1.9	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
7.60	23.0	0.9667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
7.80	62.0	1.8667	1.86	Incoerente	Sabbia argilloso-limosa
8.20	20.5	1.0667	1.86	Coesivo	Limo argilloso plastico
8.60	13.5	0.8667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
8.80	31.0	1.7333	1.86	Coesivo	Limo argilloso consistente
9.20	47.5	1.3667	1.86	Incoerente	Sabbia argilloso-limosa
9.40	31.0	1.3333	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
9.80	61.0	1.8	1.86	Incoerente	Sabbia argilloso-limosa
10.00	29.0	2.8667	1.86	Coesivo	Argilla consistente
10.20	15.0	1.8	1.86	Coesivo	Argille plastiche
10.40	46.0	1.6667	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
10.80	78.0	1.9334	1.86	Incoerente	Sabbia argilloso-limosa
11.00	38.0	1.3333	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
11.20	12.0	0.5333	1.86	Incoerente-Coesivo	Limo argilloso-sabbioso
11.40	66.0	1.2	1.86	Incoerente	Sabbie limose
11.60	24.0	1.3333	1.86	Coesivo	Limo argilloso consistente
11.80	42.0	1.0	1.86	Incoerente	Sabbia argilloso-limosa

PROVA CPT 12 – Ostiglia - Via Cantarana

Prova eseguita in data

08/06/2005

Profondità prova

11,40 mt

Falda

Quota = 1,95 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	49.0	71.0	49.0	1.0	49.0	2.04
0.40	77.0	92.0	77.0	1.6	48.13	2.08
0.60	32.0	56.0	32.0	1.9333	16.55	6.04
0.80	40.0	69.0	40.0	1.2667	31.58	3.17
1.00	18.0	37.0	18.0	0.4	45.0	2.22
1.20	17.0	23.0	17.0	0.4667	36.43	2.75
1.40	12.0	19.0	12.0	0.2667	44.99	2.22
1.60	58.0	62.0	58.0	0.6	96.67	1.03
1.80	40.0	49.0	40.0	1.2	33.33	3.0
2.00	27.0	45.0	27.0	0.4667	57.85	1.73
2.20	16.0	23.0	16.0	0.3333	48.0	2.08
2.40	15.0	20.0	15.0	0.3333	45.0	2.22
2.60	13.0	18.0	13.0	0.2667	48.74	2.05
2.80	14.0	18.0	14.0	0.4	35.0	2.86
3.00	12.0	18.0	12.0	0.5333	22.5	4.44
3.20	12.0	20.0	12.0	0.2	60.0	1.67
3.40	26.0	29.0	26.0	0.6667	39.0	2.56
3.60	30.0	40.0	30.0	0.2	150.0	0.67
3.80	41.0	44.0	41.0	0.9333	43.93	2.28
4.00	34.0	48.0	34.0	0.3333	102.01	0.98
4.20	26.0	31.0	26.0	1.1333	22.94	4.36
4.40	38.0	55.0	38.0	0.4	95.0	1.05
4.60	29.0	35.0	29.0	0.8	36.25	2.76
4.80	14.0	26.0	14.0	0.4	35.0	2.86
5.00	12.0	18.0	12.0	0.2667	44.99	2.22
5.20	12.0	16.0	12.0	0.4667	25.71	3.89
5.40	17.0	24.0	17.0	0.6	28.33	3.53
5.60	15.0	24.0	15.0	0.5333	28.13	3.56
5.80	13.0	21.0	13.0	0.6	21.67	4.62
6.00	15.0	24.0	15.0	0.5333	28.13	3.56
6.20	13.0	21.0	13.0	0.4	32.5	3.08
6.40	12.0	18.0	12.0	0.4667	25.71	3.89
6.60	10.0	17.0	10.0	0.4	25.0	4.0
6.80	12.0	18.0	12.0	0.4	30.0	3.33
7.00	15.0	21.0	15.0	0.9333	16.07	6.22
7.20	37.0	51.0	37.0	0.8667	42.69	2.34
7.40	89.0	102.0	89.0	0.9333	95.36	1.05
7.60	88.0	102.0	88.0	1.4667	60.0	1.67
7.80	43.0	65.0	43.0	1.4667	29.32	3.41
8.00	35.0	57.0	35.0	0.9333	37.5	2.67
8.20	37.0	51.0	37.0	1.0	37.0	2.7
8.40	31.0	46.0	31.0	0.8	38.75	2.58
8.60	23.0	35.0	23.0	1.2	19.17	5.22
8.80	22.0	40.0	22.0	0.1333	165.04	0.61
9.00	166.0	168.0	166.0	2.8	59.29	1.69
9.20	159.0	201.0	159.0	2.6667	59.62	1.68
9.40	145.0	185.0	145.0	2.8	51.79	1.93
9.60	136.0	178.0	136.0	3.2667	41.63	2.4
9.80	169.0	218.0	169.0	3.9333	42.97	2.33
10.00	145.0	204.0	145.0	3.1333	46.28	2.16
10.20	175.0	222.0	175.0	3.1333	55.85	1.79
10.40	142.0	189.0	142.0	3.2667	43.47	2.3
10.60	136.0	185.0	136.0	3.6	37.78	2.65
10.80	160.0	214.0	160.0	2.8667	55.81	1.79
11.00	125.0	168.0	125.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.40	63.0	1.3	2.12	Incoerente	Sabbie limose
0.60	32.0	1.9333	2.12	Coesivo	Limo argilloso consistente
0.80	40.0	1.2667	2.12	Incoerente-Coesivo	Limo argilloso-sabbioso
1.20	17.5	0.4334	2.12	Incoerente	Sabbia argilloso-limosa
1.40	12.0	0.2667	2.12	Incoerente	Sabbie limose
1.80	49.0	0.9	2.12	Incoerente	Sabbie limose
2.00	27.0	0.4667	2.12	Incoerente	Sabbie limose
2.80	14.5	0.3333	2.12	Incoerente	Sabbie limose
3.20	12.0	0.3667	2.12	Incoerente	Sabbia argilloso-limosa
3.60	28.0	0.4334	2.12	Incoerente	Sabbia
4.00	37.5	0.6333	2.12	Incoerente	Sabbie limose
4.20	26.0	1.1333	2.12	Incoerente-Coesivo	Limo argilloso-sabbioso
4.60	33.5	0.6	2.12	Incoerente	Sabbie limose
4.80	14.0	0.4	2.12	Incoerente	Sabbia argilloso-limosa
5.20	12.0	0.3667	2.12	Incoerente	Sabbia argilloso-limosa
5.60	16.0	0.5667	2.12	Incoerente-Coesivo	Limo argilloso-sabbioso
5.80	13.0	0.6	2.12	Coesivo	Limo argilloso plastico
7.00	12.8333	0.5222	2.12	Incoerente-Coesivo	Limo argilloso-sabbioso
7.20	37.0	0.8667	2.12	Incoerente	Sabbia argilloso-limosa
7.60	88.5	1.2	2.12	Incoerente	Sabbia
7.80	43.0	1.4667	2.12	Incoerente-Coesivo	Limo argilloso-sabbioso
8.40	34.3333	0.9111	2.12	Incoerente	Sabbia argilloso-limosa
8.80	22.5	0.6667	2.12	Incoerente	Sabbia argilloso-limosa
10.80	153.3	3.1467	2.12	Incoerente	Sabbia limosa addensata

PROVA CPT 13 – Ostiglia – Zona residenziale San Romano

Prova eseguita in data

19/04/2006

Profondità prova

10,40 mt

Falda

Quota = 0,95 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	26.0	48.0	26.0	2.2	11.82	8.46
0.40	18.0	51.0	18.0	1.6	11.25	8.89
0.60	16.0	40.0	16.0	0.8	20.0	5.0
0.80	19.0	31.0	19.0	0.8667	21.92	4.56
1.00	15.0	28.0	15.0	0.4667	32.14	3.11
1.20	14.0	21.0	14.0	0.4	35.0	2.86
1.40	14.0	20.0	14.0	0.5333	26.25	3.81
1.60	18.0	26.0	18.0	0.5333	33.75	2.96
1.80	17.0	25.0	17.0	0.4	42.5	2.35
2.00	14.0	20.0	14.0	0.5333	26.25	3.81
2.20	11.0	19.0	11.0	0.3333	33.0	3.03
2.40	13.0	18.0	13.0	0.4	32.5	3.08
2.60	11.0	17.0	11.0	0.4	27.5	3.64
2.80	10.0	16.0	10.0	0.3333	30.0	3.33
3.00	11.0	16.0	11.0	0.4	27.5	3.64
3.20	12.0	18.0	12.0	0.5333	22.5	4.44
3.40	14.0	22.0	14.0	0.7333	19.09	5.24
3.60	17.0	28.0	17.0	0.6667	25.5	3.92
3.80	14.0	24.0	14.0	0.5333	26.25	3.81
4.00	29.0	37.0	29.0	0.7333	39.55	2.53
4.20	21.0	32.0	21.0	0.8667	24.23	4.13
4.40	13.0	26.0	13.0	0.3333	39.0	2.56
4.60	20.0	25.0	20.0	0.6	33.33	3.0
4.80	26.0	35.0	26.0	0.8	32.5	3.08
5.00	15.0	27.0	15.0	0.6	25.0	4.0
5.20	22.0	31.0	22.0	0.6	36.67	2.73
5.40	23.0	32.0	23.0	0.8	28.75	3.48
5.60	18.0	30.0	18.0	0.3333	54.01	1.85
5.80	32.0	37.0	32.0	1.1333	28.24	3.54
6.00	15.0	32.0	15.0	0.4	37.5	2.67
6.20	31.0	37.0	31.0	0.8	38.75	2.58
6.40	15.0	27.0	15.0	0.6	25.0	4.0
6.60	18.0	27.0	18.0	0.5333	33.75	2.96
6.80	12.0	20.0	12.0	0.3333	36.0	2.78
7.00	15.0	20.0	15.0	0.4	37.5	2.67
7.20	14.0	20.0	14.0	0.4667	30.0	3.33
7.40	11.0	18.0	11.0	0.4	27.5	3.64
7.60	12.0	18.0	12.0	0.4	30.0	3.33
7.80	12.0	18.0	12.0	0.5333	22.5	4.44
8.00	12.0	20.0	12.0	0.4	30.0	3.33
8.20	13.0	19.0	13.0	0.4667	27.86	3.59
8.40	13.0	20.0	13.0	0.4667	27.86	3.59
8.60	13.0	20.0	13.0	0.4667	27.86	3.59
8.80	14.0	21.0	14.0	0.6	23.33	4.29
9.00	13.0	22.0	13.0	0.6	21.67	4.62
9.20	12.0	21.0	12.0	0.6667	18.0	5.56
9.40	14.0	24.0	14.0	0.6	23.33	4.29
9.60	19.0	28.0	19.0	1.0	19.0	5.26
9.80	17.0	32.0	17.0	0.8667	19.61	5.1
10.00	27.0	40.0	27.0	1.4	19.29	5.19
10.20	30.0	51.0	30.0	1.8	16.67	6.0
10.40	29.0	56.0	29.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.20	26.0	2.2	2.02	Coesivo	Argilla limosa molto consistente
0.80	17.6667	1.0889	2.02	Coesivo	Limo argilloso plastico
1.40	14.3333	0.4667	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso
1.80	17.5	0.4667	2.02	Incoerente	Sabbia argilloso-limosa
2.00	14.0	0.5333	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso
2.40	12.0	0.3667	2.02	Incoerente	Sabbia argilloso-limosa
3.20	11.0	0.4167	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso
3.40	14.0	0.7333	2.02	Coesivo	Limo argilloso plastico
3.80	15.5	0.6	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso
4.00	29.0	0.7333	2.02	Incoerente	Sabbia argilloso-limosa
4.20	21.0	0.8667	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso
4.40	13.0	0.3333	2.02	Incoerente	Sabbia argilloso-limosa
4.80	23.0	0.7	2.02	Incoerente	Sabbia argilloso-limosa
5.00	15.0	0.6	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso
5.40	22.5	0.7	2.02	Incoerente	Sabbia argilloso-limosa
5.60	18.0	0.3333	2.02	Incoerente	Sabbie limose
5.80	32.0	1.1333	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso
6.00	15.0	0.4	2.02	Incoerente	Sabbia argilloso-limosa
6.20	31.0	0.8	2.02	Incoerente	Sabbia argilloso-limosa
6.40	15.0	0.6	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso
7.00	15.0	0.4222	2.02	Incoerente	Sabbia argilloso-limosa
8.80	12.6667	0.4667	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso
9.20	12.5	0.6334	2.02	Coesivo	Limo argilloso plastico
9.40	14.0	0.6	2.02	Incoerente-Coesivo	Limo argilloso-sabbioso
9.80	18.0	0.9334	2.02	Coesivo	Limo argilloso plastico
10.20	28.5	1.6	2.02	Coesivo	Limo argilloso consistente

PROVA CPT 14 – Ostiglia – Area cimiteriale

Prova eseguita in data

05//2006

Profondità prova

30,00 mt

Falda

Quota = 1,35 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	68.0	125.0	68.0	1.8667	36.43	2.75
0.40	40.0	68.0	40.0	1.5333	26.09	3.83
0.60	78.0	101.0	78.0	0.4667	167.13	0.6
0.80	24.0	31.0	24.0	1.0	24.0	4.17
1.00	47.0	62.0	47.0	1.9333	24.31	4.11
1.20	37.0	66.0	37.0	1.0	37.0	2.7
1.40	19.0	34.0	19.0	0.6667	28.5	3.51
1.60	16.0	26.0	16.0	1.9333	8.28	12.08
1.80	32.0	61.0	32.0	0.9333	34.29	2.92
2.00	18.0	32.0	18.0	0.6667	27.0	3.7
2.20	11.0	21.0	11.0	0.5333	20.63	4.85
2.40	12.0	20.0	12.0	0.9333	12.86	7.78
2.60	18.0	32.0	18.0	0.4	45.0	2.22
2.80	18.0	24.0	18.0	0.4	45.0	2.22
3.00	14.0	20.0	14.0	0.6	23.33	4.29
3.20	18.0	27.0	18.0	0.5333	33.75	2.96
3.40	11.0	19.0	11.0	0.6	18.33	5.45
3.60	13.0	22.0	13.0	0.5333	24.38	4.1
3.80	13.0	21.0	13.0	0.6667	19.5	5.13
4.00	11.0	21.0	11.0	0.5333	20.63	4.85
4.20	9.0	17.0	9.0	0.4667	19.28	5.19
4.40	9.0	16.0	9.0	0.4667	19.28	5.19
4.60	10.0	17.0	10.0	0.5333	18.75	5.33
4.80	13.0	21.0	13.0	0.6	21.67	4.62
5.00	13.0	22.0	13.0	0.6	21.67	4.62
5.20	14.0	23.0	14.0	0.8	17.5	5.71
5.40	11.0	23.0	11.0	0.6	18.33	5.45
5.60	12.0	21.0	12.0	0.6667	18.0	5.56
5.80	12.0	22.0	12.0	0.6667	18.0	5.56
6.00	13.0	23.0	13.0	0.6667	19.5	5.13
6.20	12.0	22.0	12.0	0.4667	25.71	3.89
6.40	14.0	21.0	14.0	0.8667	16.15	6.19
6.60	16.0	29.0	16.0	0.4667	34.28	2.92
6.80	34.0	41.0	34.0	0.6667	51.0	1.96
7.00	79.0	89.0	79.0	2.6	30.38	3.29
7.20	64.0	103.0	64.0	1.6667	38.4	2.6
7.40	82.0	107.0	82.0	3.4	24.12	4.15
7.60	89.0	140.0	89.0	3.8667	23.02	4.34
7.80	41.0	99.0	41.0	2.2667	18.09	5.53
8.00	58.0	92.0	58.0	2.2667	25.59	3.91
8.20	64.0	98.0	64.0	2.5333	25.26	3.96
8.40	116.0	154.0	116.0	3.7333	31.07	3.22
8.60	119.0	175.0	119.0	2.7333	43.54	2.3
8.80	153.0	194.0	153.0	2.2	69.55	1.44
9.00	139.0	172.0	139.0	2.8667	48.49	2.06
9.20	111.0	154.0	111.0	2.8667	38.72	2.58
9.40	131.0	174.0	131.0	3.6	36.39	2.75
9.60	58.0	112.0	58.0	2.8	20.71	4.83
9.80	27.0	69.0	27.0	1.2	22.5	4.44
10.00	35.0	53.0	35.0	1.4	25.0	4.0
10.20	27.0	48.0	27.0	1.2667	21.32	4.69
10.40	123.0	142.0	123.0	1.0667	115.31	0.87
10.60	148.0	164.0	148.0	2.4667	60.0	1.67
10.80	27.0	64.0	27.0	1.8	15.0	6.67
11.00	41.0	68.0	41.0	1.0667	38.44	2.6
11.20	32.0	48.0	32.0	1.8	17.78	5.63
11.40	21.0	48.0	21.0	0.8667	24.23	4.13
11.60	21.0	34.0	21.0	0.7333	28.64	3.49
11.80	21.0	32.0	21.0	1.0	21.0	4.76
12.00	37.0	52.0	37.0	1.5333	24.13	4.14

12.20	51.0	74.0	51.0	1.6667	30.6	3.27
12.40	38.0	63.0	38.0	1.8	21.11	4.74
12.60	31.0	58.0	31.0	2.2667	13.68	7.31
12.80	78.0	112.0	78.0	1.6667	46.8	2.14
13.00	103.0	128.0	103.0	2.2	46.82	2.14
13.20	99.0	132.0	99.0	2.8	35.36	2.83
13.40	82.0	124.0	82.0	2.3333	35.14	2.85
13.60	77.0	112.0	77.0	2.6	29.62	3.38
13.80	64.0	103.0	64.0	2.4	26.67	3.75
14.00	54.0	90.0	54.0	1.2	45.0	2.22
14.20	63.0	81.0	63.0	2.4	26.25	3.81
14.40	38.0	74.0	38.0	1.3333	28.5	3.51
14.60	14.0	34.0	14.0	1.0667	13.12	7.62
14.80	21.0	37.0	21.0	0.9333	22.5	4.44
15.00	57.0	71.0	57.0	1.0667	53.44	1.87
15.20	21.0	37.0	21.0	1.4	15.0	6.67
15.40	71.0	92.0	71.0	2.1333	33.28	3.0
15.60	103.0	135.0	103.0	1.7333	59.42	1.68
15.80	88.0	114.0	88.0	1.8667	47.14	2.12
16.00	24.0	52.0	24.0	0.8667	27.69	3.61
16.20	99.0	112.0	99.0	2.4667	40.13	2.49
16.40	106.0	143.0	106.0	2.8	37.86	2.64
16.60	111.0	153.0	111.0	2.9333	37.84	2.64
16.80	128.0	172.0	128.0	3.1333	40.85	2.45
17.00	107.0	154.0	107.0	4.0667	26.31	3.8
17.20	93.0	154.0	93.0	2.8667	32.44	3.08
17.40	121.0	164.0	121.0	2.7333	44.27	2.26
17.60	27.0	68.0	27.0	1.6	16.88	5.93
17.80	22.0	46.0	22.0	0.9333	23.57	4.24
18.00	13.0	27.0	13.0	0.4	32.5	3.08
18.20	12.0	18.0	12.0	0.3333	36.0	2.78
18.40	15.0	20.0	15.0	0.5333	28.13	3.56
18.60	16.0	24.0	16.0	0.8667	18.46	5.42
18.80	24.0	37.0	24.0	1.6667	14.4	6.94
19.00	38.0	63.0	38.0	1.4667	25.91	3.86
19.20	52.0	74.0	52.0	1.4667	35.45	2.82
19.40	28.0	50.0	28.0	1.1333	24.71	4.05
19.60	40.0	57.0	40.0	1.4	28.57	3.5
19.80	22.0	43.0	22.0	1.0	22.0	4.55
20.00	23.0	38.0	23.0	0.7333	31.37	3.19
20.20	31.0	42.0	31.0	1.8667	16.61	6.02
20.40	91.0	119.0	91.0	1.8	50.56	1.98
20.60	78.0	105.0	78.0	0.9333	83.57	1.2
20.80	98.0	112.0	98.0	2.1333	45.94	2.18
21.00	54.0	86.0	54.0	1.4667	36.82	2.72
21.20	42.0	64.0	42.0	1.4	30.0	3.33
21.40	48.0	69.0	48.0	1.6667	28.8	3.47
21.60	38.0	63.0	38.0	1.4667	25.91	3.86
21.80	55.0	77.0	55.0	1.9333	28.45	3.52
22.00	85.0	114.0	85.0	1.6667	51.0	1.96
22.20	95.0	120.0	95.0	3.1333	30.32	3.3
22.40	55.0	102.0	55.0	2.3333	23.57	4.24
22.60	30.0	65.0	30.0	1.6	18.75	5.33
22.80	24.0	48.0	24.0	1.4	17.14	5.83
23.00	28.0	49.0	28.0	1.2	23.33	4.29
23.20	20.0	38.0	20.0	1.8667	10.71	9.33
23.40	77.0	105.0	77.0	2.4667	31.22	3.2
23.60	98.0	135.0	98.0	1.7333	56.54	1.77
23.80	69.0	95.0	69.0	1.8667	36.96	2.71
24.00	85.0	113.0	85.0	2.2667	37.5	2.67
24.20	100.0	134.0	100.0	2.5333	39.47	2.53
24.40	114.0	152.0	114.0	2.2	51.82	1.93
24.60	135.0	168.0	135.0	2.7333	49.39	2.02
24.80	153.0	194.0	153.0	2.0667	74.03	1.35
25.00	123.0	154.0	123.0	2.6667	46.12	2.17
25.20	135.0	175.0	135.0	3.0667	44.02	2.27
25.40	153.0	199.0	153.0	3.6667	41.73	2.4
25.60	119.0	174.0	119.0	3.1333	37.98	2.63
25.80	102.0	149.0	102.0	1.8667	54.64	1.83
26.00	186.0	214.0	186.0	2.2	84.55	1.18

26.20	167.0	200.0	167.0	3.4	49.12	2.04
26.40	175.0	226.0	175.0	3.9333	44.49	2.25
26.60	175.0	234.0	175.0	2.9333	59.66	1.68
26.80	142.0	186.0	142.0	3.3333	42.6	2.35
27.00	134.0	184.0	134.0	2.2	60.91	1.64
27.20	134.0	167.0	134.0	3.2	41.88	2.39
27.40	186.0	234.0	186.0	-2.2	-84.55	-1.18
27.60	201.0	168.0	201.0	3.9333	51.1	1.96
27.80	210.0	269.0	210.0	4.0667	51.64	1.94
28.00	178.0	239.0	178.0	2.8667	62.09	1.61
28.20	186.0	229.0	186.0	3.1333	59.36	1.68
28.40	121.0	168.0	121.0	4.0	30.25	3.31
28.60	198.0	258.0	198.0	4.2667	46.41	2.15
28.80	174.0	238.0	174.0	5.0667	34.34	2.91
29.00	213.0	289.0	213.0	3.0667	69.46	1.44
29.20	201.0	247.0	201.0	2.2	91.36	1.09
29.40	165.0	198.0	165.0	2.2	75.0	1.33
29.60	175.0	208.0	175.0	1.6	109.38	0.91
29.80	145.0	169.0	145.0	2.9333	49.43	2.02
30.00	217.0	261.0	217.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.60	62.0	1.2889	2.18	Incoerente	Sabbie limose
1.00	35.5	1.4667	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
1.20	37.0	1.0	2.18	Incoerente	Sabbia argilloso-limosa
1.40	19.0	0.6667	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
1.60	16.0	1.9333	2.18	Coesivo	Argille plastiche
1.80	32.0	0.9333	2.18	Incoerente	Sabbia argilloso-limosa
2.00	18.0	0.6667	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
2.40	11.5	0.7333	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
2.80	18.0	0.4	2.18	Incoerente	Sabbie limose
3.00	14.0	0.6	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
3.20	18.0	0.5333	2.18	Incoerente	Sabbia argilloso-limosa
3.80	12.3333	0.6	2.18	Coesivo	Limo argilloso plastico
4.60	9.75	0.5	2.18	Coesivo	Limo argilloso soffice
5.20	13.3333	0.6667	2.18	Coesivo	Limo argilloso plastico
6.20	12.0	0.6134	2.18	Coesivo	Limo argilloso plastico
6.60	15.0	0.6667	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
6.80	34.0	0.6667	2.18	Incoerente	Sabbie limose
7.60	78.5	2.8834	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
7.80	41.0	2.2667	2.18	Coesivo	Limo argilloso molto consistente
8.20	61.0	2.4	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
8.60	117.5	3.2333	2.18	Incoerente	Sabbia argilloso-limosa addensata
9.00	146.0	2.5334	2.18	Incoerente	Sabbia limosa addensata
9.40	121.0	3.2334	2.18	Incoerente	Sabbia argilloso-limosa addensata
9.60	58.0	2.8	2.18	Coesivo	Limo argilloso molto consistente
10.20	29.6667	1.2889	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
10.60	135.5	1.7667	2.18	Incoerente	Sabbia
11.20	33.3333	1.5556	2.18	Coesivo	Limo argilloso consistente
11.80	21.0	0.8667	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
12.00	37.0	1.5333	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
12.20	51.0	1.6667	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
12.60	34.5	2.0334	2.18	Coesivo	Limo argilloso consistente
12.80	78.0	1.6667	2.18	Incoerente	Sabbie limose
13.20	101.0	2.5	2.18	Incoerente	Sabbia argilloso-limosa
13.60	79.5	2.4667	2.18	Incoerente	Sabbia argilloso-limosa
14.20	60.3333	2.0	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
14.40	38.0	1.3333	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
14.60	14.0	1.0667	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
14.80	21.0	0.9333	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
15.00	57.0	1.0667	2.18	Incoerente	Sabbie limose
15.20	21.0	1.4	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
15.40	71.0	2.1333	2.18	Incoerente	Sabbia argilloso-limosa
15.80	95.5	1.8	2.18	Incoerente	Sabbie limose
16.00	24.0	0.8667	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
17.40	109.2857	3.0	2.18	Incoerente	Sabbia argilloso-limosa addensata
17.80	24.5	1.2667	2.18	Coesivo	Limo argilloso consistente
18.20	12.5	0.3667	2.18	Incoerente	Sabbia argilloso-limosa
18.60	15.5	0.7	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
19.00	31.0	1.5667	2.18	Coesivo	Limo argilloso consistente
19.20	52.0	1.4667	2.18	Incoerente	Sabbia argilloso-limosa
20.20	28.8	1.2267	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
20.80	89.0	1.6222	2.18	Incoerente	Sabbie limose
21.40	48.0	1.5111	2.18	Incoerente	Sabbia argilloso-limosa
21.60	38.0	1.4667	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
21.80	55.0	1.9333	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
22.20	90.0	2.4	2.18	Incoerente	Sabbia argilloso-limosa
22.40	55.0	2.3333	2.18	Incoerente-Coesivo	Limo argilloso-sabbioso
23.00	27.3333	1.4	2.18	Coesivo	Limo argilloso consistente
23.20	20.0	1.8667	2.18	Coesivo	Argille plastiche
24.00	82.25	2.0834	2.18	Incoerente	Sabbia argilloso-limosa
29.80	158.6207	2.8368	2.18	Incoerente	Sabbia limosa addensata

PROVA CPT 15 – Ostiglia – Via Cellini

Prova eseguita in data

21/07/2006

Profondità prova

12,40 mt

Falda

Quota = 2,40 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	38.0	42.0	38.0	1.0	38.0	2.63
0.40	41.0	56.0	41.0	0.6	68.33	1.46
0.60	31.0	40.0	31.0	0.8667	35.77	2.8
0.80	36.0	49.0	36.0	1.8667	19.29	5.19
1.00	27.0	55.0	27.0	1.0	27.0	3.7
1.20	28.0	43.0	28.0	1.3333	21.0	4.76
1.40	19.0	39.0	19.0	1.2667	15.0	6.67
1.60	12.0	31.0	12.0	0.6	20.0	5.0
1.80	12.0	21.0	12.0	0.4667	25.71	3.89
2.00	11.0	18.0	11.0	0.2667	41.24	2.42
2.20	14.0	18.0	14.0	0.4	35.0	2.86
2.40	14.0	20.0	14.0	0.3333	42.0	2.38
2.60	18.0	23.0	18.0	0.6	30.0	3.33
2.80	15.0	24.0	15.0	0.6667	22.5	4.44
3.00	12.0	22.0	12.0	0.7333	16.36	6.11
3.20	11.0	22.0	11.0	0.6	18.33	5.45
3.40	10.0	19.0	10.0	0.5333	18.75	5.33
3.60	11.0	19.0	11.0	0.6	18.33	5.45
3.80	10.0	19.0	10.0	0.6667	15.0	6.67
4.00	12.0	22.0	12.0	0.7333	16.36	6.11
4.20	12.0	23.0	12.0	0.8	15.0	6.67
4.40	12.0	24.0	12.0	0.6	20.0	5.0
4.60	14.0	23.0	14.0	0.6	23.33	4.29
4.80	14.0	23.0	14.0	0.9333	15.0	6.67
5.00	12.0	26.0	12.0	0.8	15.0	6.67
5.20	9.0	21.0	9.0	0.6	15.0	6.67
5.40	10.0	19.0	10.0	0.5333	18.75	5.33
5.60	10.0	18.0	10.0	0.6667	15.0	6.67
5.80	10.0	20.0	10.0	0.4	25.0	4.0
6.00	9.0	15.0	9.0	0.3333	27.0	3.7
6.20	8.0	13.0	8.0	0.4	20.0	5.0
6.40	8.0	14.0	8.0	0.3333	24.0	4.17
6.60	7.0	12.0	7.0	0.4	17.5	5.71
6.80	9.0	15.0	9.0	0.4	22.5	4.44
7.00	9.0	15.0	9.0	0.5333	16.88	5.93
7.20	9.0	17.0	9.0	0.5333	16.88	5.93
7.40	10.0	18.0	10.0	0.4667	21.43	4.67
7.60	9.0	16.0	9.0	0.6	15.0	6.67
7.80	9.0	18.0	9.0	0.5333	16.88	5.93
8.00	10.0	18.0	10.0	0.5333	18.75	5.33
8.20	9.0	17.0	9.0	0.6667	13.5	7.41
8.40	14.0	24.0	14.0	0.8667	16.15	6.19
8.60	19.0	32.0	19.0	1.2	15.83	6.32
8.80	20.0	38.0	20.0	1.4667	13.64	7.33
9.00	21.0	43.0	21.0	1.2	17.5	5.71
9.20	19.0	37.0	19.0	1.2	15.83	6.32
9.40	14.0	32.0	14.0	1.0	14.0	7.14
9.60	12.0	27.0	12.0	0.8	15.0	6.67
9.80	11.0	23.0	11.0	0.7333	15.0	6.67
10.00	10.0	21.0	10.0	0.6	16.67	6.0
10.20	13.0	22.0	13.0	0.8	16.25	6.15
10.40	12.0	24.0	12.0	0.6667	18.0	5.56
10.60	16.0	26.0	16.0	0.8667	18.46	5.42
10.80	14.0	27.0	14.0	0.8	17.5	5.71
11.00	12.0	24.0	12.0	0.6	20.0	5.0
11.20	14.0	23.0	14.0	1.1333	12.35	8.1
11.40	11.0	28.0	11.0	0.7333	15.0	6.67
11.60	7.0	18.0	7.0	0.4	17.5	5.71
11.80	7.0	13.0	7.0	0.3333	21.0	4.76
12.00	7.0	12.0	7.0	0.4667	15.0	6.67

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.80	36.5	1.0834	2.08	Incoerente	Sabbia argilloso-limosa
1.20	27.5	1.1667	2.08	Incoerente-Coesivo	Limo argilloso-sabbioso
1.40	19.0	1.2667	2.08	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
2.00	11.6667	0.4445	2.08	Incoerente-Coesivo	Limo argilloso-sabbioso
2.40	14.0	0.3667	2.08	Incoerente	Sabbia argilloso-limosa
2.80	16.5	0.6334	2.08	Incoerente-Coesivo	Limo argilloso-sabbioso
3.00	12.0	0.7333	2.08	Coesivo	Limo argilloso plastico
3.80	10.5	0.6	2.08	Coesivo	Limo argilloso plastico
4.40	12.0	0.7111	2.08	Coesivo	Limo argilloso plastico
4.80	14.0	0.7667	2.08	Coesivo	Limo argilloso plastico
5.00	12.0	0.8	2.08	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
6.00	9.6	0.5067	2.08	Coesivo	Limo argilloso soffice
6.60	7.6667	0.3778	2.08	Coesivo	Limo argilloso soffice
8.20	9.25	0.5333	2.08	Coesivo	Limo argilloso soffice
8.40	14.0	0.8667	2.08	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
9.20	19.75	1.2667	2.08	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
9.40	14.0	1.0	2.08	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
10.00	11.0	0.7111	2.08	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
10.40	12.5	0.7334	2.08	Coesivo	Limo argilloso plastico
10.60	16.0	0.8667	2.08	Coesivo	Limo argilloso plastico
11.40	12.75	0.8167	2.08	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
12.20	7.25	0.3833	2.08	Coesivo	Limo argilloso soffice

PROVA CPT 16 – Ostiglia – SP n. 482

Prova eseguita in data
Profondità prova
Falda

30/07/2006
12,00 mt
Quota = 2,75 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	88.0	110.0	88.0	1.3333	66.0	1.52
0.40	92.0	112.0	92.0	1.4667	62.73	1.59
0.60	69.0	91.0	69.0	1.5333	45.0	2.22
0.80	40.0	63.0	40.0	0.7333	54.55	1.83
1.00	35.0	46.0	35.0	0.6	58.33	1.71
1.20	34.0	43.0	34.0	0.9333	36.43	2.75
1.40	27.0	41.0	27.0	0.7333	36.82	2.72
1.60	29.0	40.0	29.0	0.4667	62.14	1.61
1.80	21.0	28.0	21.0	0.9333	22.5	4.44
2.00	14.0	28.0	14.0	0.4667	30.0	3.33
2.20	13.0	20.0	13.0	0.2667	48.74	2.05
2.40	18.0	22.0	18.0	0.3333	54.01	1.85
2.60	16.0	21.0	16.0	0.4667	34.28	2.92
2.80	14.0	21.0	14.0	0.4	35.0	2.86
3.00	15.0	21.0	15.0	0.4667	32.14	3.11
3.20	17.0	24.0	17.0	1.0667	15.94	6.27
3.40	12.0	28.0	12.0	0.6	20.0	5.0
3.60	12.0	21.0	12.0	0.6	20.0	5.0
3.80	17.0	26.0	17.0	0.8	21.25	4.71
4.00	22.0	34.0	22.0	1.0	22.0	4.55
4.20	23.0	38.0	23.0	0.8667	26.54	3.77
4.40	21.0	34.0	21.0	0.8667	24.23	4.13
4.60	24.0	37.0	24.0	0.9333	25.72	3.89
4.80	22.0	36.0	22.0	0.9333	23.57	4.24
5.00	18.0	32.0	18.0	0.9333	19.29	5.19
5.20	14.0	28.0	14.0	0.6667	21.0	4.76
5.40	10.0	20.0	10.0	0.5333	18.75	5.33
5.60	10.0	18.0	10.0	0.4667	21.43	4.67
5.80	9.0	16.0	9.0	0.2	45.0	2.22
6.00	9.0	12.0	9.0	0.7333	12.27	8.15
6.20	21.0	32.0	21.0	1.1333	18.53	5.4
6.40	53.0	70.0	53.0	1.8667	28.39	3.52
6.60	66.0	94.0	66.0	3.2	20.63	4.85
6.80	50.0	98.0	50.0	2.6667	18.75	5.33
7.00	55.0	95.0	55.0	2.1333	25.78	3.88
7.20	56.0	88.0	56.0	3.1333	17.87	5.6
7.40	62.0	109.0	62.0	1.9333	32.07	3.12
7.60	61.0	90.0	61.0	1.5333	39.78	2.51
7.80	55.0	78.0	55.0	1.9333	28.45	3.52
8.00	36.0	65.0	36.0	1.3333	27.0	3.7
8.20	32.0	52.0	32.0	1.3333	24.0	4.17
8.40	31.0	51.0	31.0	1.2	25.83	3.87
8.60	34.0	52.0	34.0	1.3333	25.5	3.92
8.80	32.0	52.0	32.0	1.2667	25.26	3.96
9.00	29.0	48.0	29.0	1.5333	18.91	5.29
9.20	22.0	45.0	22.0	0.9333	23.57	4.24
9.40	26.0	40.0	26.0	1.2667	20.53	4.87
9.60	48.0	67.0	48.0	0.8667	55.38	1.81
9.80	55.0	68.0	55.0	2.2	25.0	4.0
10.00	49.0	82.0	49.0	0.9333	52.5	1.9
10.20	68.0	82.0	68.0	2.2	30.91	3.24
10.40	31.0	64.0	31.0	1.9333	16.03	6.24
10.60	29.0	58.0	29.0	2.2667	12.79	7.82
10.80	43.0	77.0	43.0	1.0	43.0	2.33
11.00	48.0	63.0	48.0	1.6	30.0	3.33
11.20	41.0	65.0	41.0	2.5333	16.18	6.18
11.40	77.0	115.0	77.0	2.0667	37.26	2.68
11.60	45.0	76.0	45.0	2.4	18.75	5.33
11.80	33.0	69.0	33.0	2.0667	15.97	6.26
12.00	56.0	87.0	56.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.60	83.0	1.4444	2.22	Incoerente	Sabbie limose
1.20	36.3333	0.7555	2.22	Incoerente	Sabbie limose
1.60	28.0	0.6	2.22	Incoerente	Sabbie limose
1.80	21.0	0.9333	2.22	Incoerente-Coesivo	Limo argilloso-sabbioso
2.20	13.5	0.3667	2.22	Incoerente	Sabbia argilloso-limosa
2.40	18.0	0.3333	2.22	Incoerente	Sabbie limose
3.00	15.0	0.4445	2.22	Incoerente	Sabbia argilloso-limosa
3.20	17.0	1.0667	2.22	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
3.60	12.0	0.6	2.22	Coesivo	Limo argilloso plastico
3.80	17.0	0.8	2.22	Coesivo	Limo argilloso plastico
4.80	22.4	0.92	2.22	Incoerente-Coesivo	Limo argilloso-sabbioso
5.20	16.0	0.8	2.22	Coesivo	Limo argilloso plastico
5.60	10.0	0.5	2.22	Coesivo	Limo argilloso soffice
6.00	9.0	0.4667	2.22	Coesivo	Limo argilloso soffice
7.80	53.2222	2.1704	2.22	Incoerente-Coesivo	Limo argilloso-sabbioso
8.60	33.25	1.3	2.22	Incoerente-Coesivo	Limo argilloso-sabbioso
9.40	27.25	1.25	2.22	Coesivo	Limo argilloso consistente
9.80	51.5	1.5334	2.22	Incoerente	Sabbia argilloso-limosa
10.00	49.0	0.9333	2.22	Incoerente	Sabbie limose
10.20	68.0	2.2	2.22	Incoerente-Coesivo	Limo argilloso-sabbioso
10.60	30.0	2.1	2.22	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
11.20	44.0	1.7111	2.22	Incoerente-Coesivo	Limo argilloso-sabbioso
11.40	77.0	2.0667	2.22	Incoerente	Sabbia argilloso-limosa
11.80	39.0	2.2334	2.22	Coesivo	Limo argilloso molto consistente

PROVA CPT 17 – Ostiglia – Località Pomtemolino

Prova eseguita in data

05/08/2007

Profondità prova

8,40 mt

Falda

Quota = 2,00 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	102.0	130.0	102.0	1.6	63.75	1.57
0.40	28.0	52.0	28.0	1.5333	18.26	5.48
0.60	21.0	44.0	21.0	0.6	35.0	2.86
0.80	14.0	23.0	14.0	0.9333	15.0	6.67
1.00	40.0	54.0	40.0	0.7333	54.55	1.83
1.20	41.0	52.0	41.0	0.9333	43.93	2.28
1.40	40.0	54.0	40.0	1.0	40.0	2.5
1.60	37.0	52.0	37.0	1.4667	25.23	3.96
1.80	111.0	133.0	111.0	1.2667	87.63	1.14
2.00	71.0	90.0	71.0	1.4	50.71	1.97
2.20	74.0	95.0	74.0	1.8	41.11	2.43
2.40	64.0	91.0	64.0	1.3333	48.0	2.08
2.60	114.0	134.0	114.0	2.0	57.0	1.75
2.80	147.0	177.0	147.0	3.1333	46.92	2.13
3.00	145.0	192.0	145.0	3.2	45.31	2.21
3.20	144.0	192.0	144.0	3.0667	46.96	2.13
3.40	150.0	196.0	150.0	2.4667	60.81	1.64
3.60	133.0	170.0	133.0	2.8	47.5	2.11
3.80	126.0	168.0	126.0	2.4667	51.08	1.96
4.00	134.0	171.0	134.0	3.2	41.88	2.39
4.20	145.0	193.0	145.0	3.2667	44.39	2.25
4.40	148.0	197.0	148.0	3.2	46.25	2.16
4.60	137.0	185.0	137.0	3.2	42.81	2.34
4.80	97.0	145.0	97.0	2.8	34.64	2.89
5.00	162.0	204.0	162.0	3.8667	41.9	2.39
5.20	154.0	212.0	154.0	3.8667	39.83	2.51
5.40	117.0	175.0	117.0	3.2	36.56	2.74
5.60	106.0	154.0	106.0	3.0	35.33	2.83
5.80	100.0	145.0	100.0	2.8667	34.88	2.87
6.00	68.0	111.0	68.0	1.8	37.78	2.65
6.20	96.0	123.0	96.0	2.4667	38.92	2.57
6.40	105.0	142.0	105.0	2.0	52.5	1.9
6.60	85.0	115.0	85.0	2.4667	34.46	2.9
6.80	78.0	115.0	78.0	1.9333	40.35	2.48
7.00	89.0	118.0	89.0	1.4	63.57	1.57
7.20	57.0	78.0	57.0	1.1333	50.3	1.99
7.40	34.0	51.0	34.0	1.4	24.29	4.12
7.60	45.0	66.0	45.0	1.4	32.14	3.11
7.80	41.0	62.0	41.0	4.5333	9.04	11.06
8.00	30.0	98.0	30.0	2.0667	14.52	6.89
8.20	67.0	98.0	67.0	2.0667	32.42	3.08
8.40	79.0	110.0	79.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.20	102.0	1.6	2.25	Incoerente	Sabbia
0.60	24.5	1.0667	2.25	Incoerente-Coesivo	Limo argilloso-sabbioso
0.80	14.0	0.9333	2.25	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
1.40	40.3333	0.8889	2.25	Incoerente	Sabbie limose
1.60	37.0	1.4667	2.25	Incoerente-Coesivo	Limo argilloso-sabbioso
1.80	111.0	1.2667	2.25	Incoerente	Sabbia
2.20	72.5	1.6	2.25	Incoerente	Sabbie limose
2.60	89.0	1.6667	2.25	Incoerente	Sabbie limose
4.60	140.9	3.0	2.25	Incoerente	Sabbia limosa addensata
4.80	97.0	2.8	2.25	Incoerente	Sabbia argilloso-limosa addensata
5.80	127.8	3.36	2.25	Incoerente	Sabbia argilloso-limosa addensata
6.20	82.0	2.1334	2.25	Incoerente	Sabbia argilloso-limosa
6.40	105.0	2.0	2.25	Incoerente	Sabbie limose
7.00	84.0	1.9333	2.25	Incoerente	Sabbie limose
7.20	57.0	1.1333	2.25	Incoerente	Sabbie limose
7.40	34.0	1.4	2.25	Incoerente-Coesivo	Limo argilloso-sabbioso
7.80	43.0	2.9667	2.25	Coesivo	Argilla limosa molto consistente
8.00	30.0	2.0667	2.25	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
8.20	67.0	2.0667	2.25	Incoerente	Sabbia argilloso-limosa

PROVA CPT 18 – Ostiglia - Via Amendola

Prova eseguita in data

25/04/2007

Profondità prova

12,40 mt

Falda

Quota = 2,62 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	9.0	14.0	9.0	0.6667	13.5	7.41
0.40	7.0	17.0	7.0	0.5333	13.13	7.62
0.60	8.0	16.0	8.0	0.5333	15.0	6.67
0.80	9.0	17.0	9.0	0.6	15.0	6.67
1.00	9.0	18.0	9.0	0.4667	19.28	5.19
1.20	20.0	27.0	20.0	0.2667	74.99	1.33
1.40	17.0	21.0	17.0	0.6	28.33	3.53
1.60	13.0	22.0	13.0	0.7333	17.73	5.64
1.80	12.0	23.0	12.0	0.4	30.0	3.33
2.00	15.0	21.0	15.0	0.6	25.0	4.0
2.20	12.0	21.0	12.0	0.5333	22.5	4.44
2.40	11.0	19.0	11.0	0.7333	15.0	6.67
2.60	12.0	23.0	12.0	0.5333	22.5	4.44
2.80	12.0	20.0	12.0	0.6	20.0	5.0
3.00	9.0	18.0	9.0	0.5333	16.88	5.93
3.20	10.0	18.0	10.0	0.6667	15.0	6.67
3.40	11.0	21.0	11.0	0.8	13.75	7.27
3.60	9.0	21.0	9.0	0.5333	16.88	5.93
3.80	24.0	32.0	24.0	0.9333	25.72	3.89
4.00	17.0	31.0	17.0	0.5333	31.88	3.14
4.20	35.0	43.0	35.0	1.1333	30.88	3.24
4.40	42.0	59.0	42.0	1.0667	39.37	2.54
4.60	46.0	62.0	46.0	0.8667	53.07	1.88
4.80	39.0	52.0	39.0	1.4667	26.59	3.76
5.00	26.0	48.0	26.0	1.6667	15.6	6.41
5.20	12.0	37.0	12.0	0.5333	22.5	4.44
5.40	10.0	18.0	10.0	0.5333	18.75	5.33
5.60	12.0	20.0	12.0	0.4667	25.71	3.89
5.80	17.0	24.0	17.0	0.6667	25.5	3.92
6.00	13.0	23.0	13.0	0.7333	17.73	5.64
6.20	13.0	24.0	13.0	0.4667	27.86	3.59
6.40	14.0	21.0	14.0	0.6667	21.0	4.76
6.60	10.0	20.0	10.0	0.4	25.0	4.0
6.80	14.0	20.0	14.0	1.2	11.67	8.57
7.00	28.0	46.0	28.0	0.7333	38.18	2.62
7.20	37.0	48.0	37.0	0.8	46.25	2.16
7.40	40.0	52.0	40.0	2.1333	18.75	5.33
7.60	43.0	75.0	43.0	1.8667	23.04	4.34
7.80	34.0	62.0	34.0	1.7333	19.62	5.1
8.00	22.0	48.0	22.0	1.2667	17.37	5.76
8.20	29.0	48.0	29.0	1.3333	21.75	4.6
8.40	43.0	63.0	43.0	1.9333	22.24	4.5
8.60	69.0	98.0	69.0	2.8	24.64	4.06
8.80	111.0	153.0	111.0	4.0667	27.29	3.66
9.00	88.0	149.0	88.0	3.8667	22.76	4.39
9.20	97.0	155.0	97.0	1.8667	51.96	1.92
9.40	71.0	99.0	71.0	2.6	27.31	3.66
9.60	29.0	68.0	29.0	1.1333	25.59	3.91
9.80	34.0	51.0	34.0	1.4	24.29	4.12
10.00	24.0	45.0	24.0	1.4	17.14	5.83
10.20	86.0	107.0	86.0	1.5333	56.09	1.78
10.40	89.0	112.0	89.0	2.5333	35.13	2.85
10.60	30.0	68.0	30.0	1.4	21.43	4.67
10.80	96.0	117.0	96.0	1.6	60.0	1.67
11.00	58.0	82.0	58.0	2.3333	24.86	4.02
11.20	20.0	55.0	20.0	1.2667	15.79	6.33
11.40	18.0	37.0	18.0	1.0	18.0	5.56
11.60	13.0	28.0	13.0	0.7333	17.73	5.64
11.80	57.0	68.0	57.0	1.6	35.63	2.81
12.00	55.0	79.0	55.0	1.3333	41.25	2.42

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.60	8.0	0.5778	1.84	Coesivo	Argilla limosa soffice
1.00	9.0	0.5334	1.84	Coesivo	Limo argilloso soffice
1.20	20.0	0.2667	1.84	Incoerente	Sabbia
1.40	17.0	0.6	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
1.60	13.0	0.7333	1.84	Coesivo	Limo argilloso plastico
2.20	13.0	0.5111	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
2.80	11.6667	0.6222	1.84	Coesivo	Limo argilloso plastico
3.60	9.75	0.6333	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
3.80	24.0	0.9333	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
4.00	17.0	0.5333	1.84	Incoerente	Sabbia argilloso-limosa
4.20	35.0	1.1333	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
4.60	44.0	0.9667	1.84	Incoerente	Sabbie limose
4.80	39.0	1.4667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
5.00	26.0	1.6667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
5.40	11.0	0.5333	1.84	Coesivo	Limo argilloso soffice
5.80	14.5	0.5667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
6.40	13.3333	0.6222	1.84	Coesivo	Limo argilloso plastico
6.80	12.0	0.8	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
7.00	28.0	0.7333	1.84	Incoerente	Sabbia argilloso-limosa
7.20	37.0	0.8	1.84	Incoerente	Sabbie limose
7.80	39.0	1.9111	1.84	Coesivo	Limo argilloso consistente
8.20	25.5	1.3	1.84	Coesivo	Limo argilloso consistente
8.40	43.0	1.9333	1.84	Coesivo	Limo argilloso consistente
9.00	89.3333	3.5778	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
9.20	97.0	1.8667	1.84	Incoerente	Sabbie limose
9.40	71.0	2.6	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
9.80	31.5	1.2667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
10.00	24.0	1.4	1.84	Coesivo	Limo argilloso consistente
10.40	87.5	2.0333	1.84	Incoerente	Sabbia argilloso-limosa
10.60	30.0	1.4	1.84	Coesivo	Limo argilloso consistente
10.80	96.0	1.6	1.84	Incoerente	Sabbie limose
11.00	58.0	2.3333	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
11.20	20.0	1.2667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
11.60	15.5	0.8667	1.84	Coesivo	Limo argilloso plastico
12.00	56.0	1.4667	1.84	Incoerente	Sabbia argilloso-limosa
12.20	68.0	1.2667	1.84	Incoerente	Sabbie limose

PROVA CPT 19 – Ostiglia – Comparto produttivo “Canal Bianco”

Prova eseguita in data

13/05/2007

Profondità prova

20,00 mt

Falda

Quota = 2,98 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	9.0	12.0	9.0	0.4	22.5	4.44
0.40	14.0	20.0	14.0	0.7333	19.09	5.24
0.60	20.0	31.0	20.0	1.2667	15.79	6.33
0.80	18.0	37.0	18.0	1.3333	13.5	7.41
1.00	14.0	34.0	14.0	1.0667	13.12	7.62
1.20	10.0	26.0	10.0	1.2	8.33	12.0
1.40	10.0	28.0	10.0	0.8	12.5	8.0
1.60	9.0	21.0	9.0	0.6667	13.5	7.41
1.80	10.0	20.0	10.0	0.7333	13.64	7.33
2.00	10.0	21.0	10.0	0.8	12.5	8.0
2.20	9.0	21.0	9.0	0.8	11.25	8.89
2.40	10.0	22.0	10.0	0.6667	15.0	6.67
2.60	44.0	54.0	44.0	1.2	36.67	2.73
2.80	28.0	46.0	28.0	1.4	20.0	5.0
3.00	31.0	52.0	31.0	1.8667	16.61	6.02
3.20	78.0	106.0	78.0	0.9333	83.57	1.2
3.40	103.0	117.0	103.0	1.6667	61.8	1.62
3.60	78.0	103.0	78.0	2.1333	36.56	2.74
3.80	126.0	158.0	126.0	2.4667	51.08	1.96
4.00	122.0	159.0	122.0	2.4667	49.46	2.02
4.20	122.0	159.0	122.0	2.4667	49.46	2.02
4.40	128.0	165.0	128.0	1.8667	68.57	1.46
4.60	144.0	172.0	144.0	2.9333	49.09	2.04
4.80	153.0	197.0	153.0	3.2667	46.84	2.14
5.00	139.0	188.0	139.0	3.2	43.44	2.3
5.20	124.0	172.0	124.0	2.4667	50.27	1.99
5.40	114.0	151.0	114.0	2.2667	50.29	1.99
5.60	88.0	122.0	88.0	2.3333	37.71	2.65
5.80	136.0	171.0	136.0	2.6	52.31	1.91
6.00	184.0	223.0	184.0	3.5333	52.08	1.92
6.20	178.0	231.0	178.0	3.4667	51.35	1.95
6.40	196.0	248.0	196.0	3.3333	58.8	1.7
6.60	152.0	202.0	152.0	4.0667	37.38	2.68
6.80	124.0	185.0	124.0	2.1333	58.13	1.72
7.00	125.0	157.0	125.0	3.0667	40.76	2.45
7.20	89.0	135.0	89.0	1.6667	53.4	1.87
7.40	126.0	151.0	126.0	2.3333	54.0	1.85
7.60	99.0	134.0	99.0	3.0667	32.28	3.1
7.80	45.0	91.0	45.0	2.2	20.45	4.89
8.00	24.0	57.0	24.0	0.8	30.0	3.33
8.20	59.0	71.0	59.0	1.0	59.0	1.69
8.40	53.0	68.0	53.0	1.3333	39.75	2.52
8.60	20.0	40.0	20.0	1.2667	15.79	6.33
8.80	15.0	34.0	15.0	1.0667	14.06	7.11
9.00	18.0	34.0	18.0	0.7333	24.55	4.07
9.20	15.0	26.0	15.0	0.6667	22.5	4.44
9.40	10.0	20.0	10.0	0.8	12.5	8.0
9.60	12.0	24.0	12.0	0.8	15.0	6.67
9.80	19.0	31.0	19.0	1.0667	17.81	5.61
10.00	48.0	64.0	48.0	0.8	60.0	1.67
10.20	19.0	31.0	19.0	1.0667	17.81	5.61
10.40	48.0	64.0	48.0	1.2667	37.89	2.64
10.60	63.0	82.0	63.0	1.4	45.0	2.22
10.80	62.0	83.0	62.0	1.5333	40.44	2.47
11.00	71.0	94.0	71.0	2.2	32.27	3.1
11.20	63.0	96.0	63.0	1.8	35.0	2.86
11.40	35.0	62.0	35.0	1.6667	21.0	4.76
11.60	20.0	45.0	20.0	1.2	16.67	6.0
11.80	58.0	76.0	58.0	2.0667	28.06	3.56
12.00	161.0	192.0	161.0	2.8667	56.16	1.78

12.20	186.0	229.0	186.0	3.2667	56.94	1.76
12.40	226.0	275.0	226.0	3.8	59.47	1.68
12.60	229.0	286.0	229.0	3.5333	64.81	1.54
12.80	168.0	221.0	168.0	3.6	46.67	2.14
13.00	189.0	243.0	189.0	3.9333	48.05	2.08
13.20	158.0	217.0	158.0	3.4	46.47	2.15
13.40	189.0	240.0	189.0	4.1333	45.73	2.19
13.60	203.0	265.0	203.0	4.5333	44.78	2.23
13.80	155.0	223.0	155.0	3.8	40.79	2.45
14.00	110.0	167.0	110.0	3.9333	27.97	3.58
14.20	199.0	258.0	199.0	4.2667	46.64	2.14
14.40	189.0	253.0	189.0	4.6	41.09	2.43
14.60	117.0	186.0	117.0	3.8667	30.26	3.3
14.80	100.0	158.0	100.0	2.2	45.45	2.2
15.00	159.0	192.0	159.0	3.6	44.17	2.26
15.20	82.0	136.0	82.0	2.3333	35.14	2.85
15.40	83.0	118.0	83.0	2.5333	32.76	3.05
15.60	94.0	132.0	94.0	2.4667	38.11	2.62
15.80	124.0	161.0	124.0	4.9333	25.14	3.98
16.00	234.0	308.0	234.0	4.5333	51.62	1.94
16.20	254.0	322.0	254.0	4.2	60.48	1.65
16.40	230.0	293.0	230.0	4.4667	51.49	1.94
16.60	261.0	328.0	261.0	4.0667	64.18	1.56
16.80	178.0	239.0	178.0	3.6	49.44	2.02
17.00	117.0	171.0	117.0	3.1333	37.34	2.68
17.20	93.0	140.0	93.0	2.9333	31.7	3.15
17.40	105.0	149.0	105.0	1.7333	60.58	1.65
17.60	158.0	184.0	158.0	3.6667	43.09	2.32
17.80	100.0	155.0	100.0	2.4667	40.54	2.47
18.00	99.0	136.0	99.0	3.5333	28.02	3.57
18.20	165.0	218.0	165.0	4.1333	39.92	2.51
18.40	210.0	272.0	210.0	3.8	55.26	1.81
18.60	234.0	291.0	234.0	3.1333	74.68	1.34
18.80	195.0	242.0	195.0	3.0	65.0	1.54
19.00	170.0	215.0	170.0	3.0667	55.43	1.8
19.20	199.0	245.0	199.0	4.1333	48.15	2.08
19.40	215.0	277.0	215.0	2.8	76.79	1.3
19.60	134.0	176.0	134.0	3.2667	41.02	2.44
19.80	209.0	258.0	209.0	2.6	80.38	1.24
20.00	154.0	193.0	154.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.20	9.0	0.4	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
0.40	14.0	0.7333	1.84	Coesivo	Limo argilloso plastico
0.80	19.0	1.3	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
1.00	14.0	1.0667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
1.20	10.0	1.2	1.84	Coesivo	Argille plastiche
2.40	9.6667	0.7445	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
2.60	44.0	1.2	1.84	Incoerente	Sabbia argilloso-limosa
3.00	29.5	1.6334	1.84	Coesivo	Limo argilloso consistente
3.20	78.0	0.9333	1.84	Incoerente	Sabbia
3.60	90.5	1.9	1.84	Incoerente	Sabbie limose
5.40	130.2222	2.6	1.84	Incoerente	Sabbia limosa addensata
5.60	88.0	2.3333	1.84	Incoerente	Sabbia argilloso-limosa
6.40	173.5	3.2333	1.84	Incoerente	Sabbia limosa addensata
7.00	133.6667	3.0889	1.84	Incoerente	Sabbia argilloso-limosa addensata
7.40	107.5	2.0	1.84	Incoerente	Sabbie limose
7.60	99.0	3.0667	1.84	Incoerente	Sabbia argilloso-limosa addensata
7.80	45.0	2.2	1.84	Coesivo	Limo argilloso molto consistente
8.00	24.0	0.8	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
8.40	56.0	1.1667	1.84	Incoerente	Sabbie limose
8.60	20.0	1.2667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
9.20	16.0	0.8222	1.84	Coesivo	Limo argilloso plastico
9.60	11.0	0.8	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
9.80	19.0	1.0667	1.84	Coesivo	Limo argilloso plastico
10.00	48.0	0.8	1.84	Incoerente	Sabbie limose
10.20	19.0	1.0667	1.84	Coesivo	Limo argilloso plastico
10.40	48.0	1.2667	1.84	Incoerente	Sabbia argilloso-limosa
11.20	64.75	1.7333	1.84	Incoerente	Sabbia argilloso-limosa
11.60	27.5	1.4334	1.84	Coesivo	Limo argilloso consistente
11.80	58.0	2.0667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
13.80	186.4	3.6867	1.84	Incoerente	Sabbia limosa addensata
15.00	145.6667	3.7445	1.84	Incoerente	Sabbia argilloso-limosa addensata
15.60	86.3333	2.4444	1.84	Incoerente	Sabbia argilloso-limosa
16.80	213.5	4.3	1.84	Incoerente	Sabbia limosa addensata
17.80	114.6	2.7867	1.84	Incoerente	Sabbia argilloso-limosa addensata
18.00	99.0	3.5333	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
18.20	165.0	4.1333	1.84	Incoerente	Sabbia argilloso-limosa addensata
19.80	195.75	3.225	1.84	Incoerente	Sabbia limosa addensata

PROVA CPT 20 – Ostiglia – Comparto produttivo “Canal Bianco”

Prova eseguita in data

15/05/2007

Profondità prova

22,40 mt

Falda

Quota = 2,68 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	7.0	9.0	7.0	0.4667	15.0	6.67
0.40	7.0	14.0	7.0	0.6	11.67	8.57
0.60	18.0	27.0	18.0	1.2667	14.21	7.04
0.80	19.0	38.0	19.0	1.1333	16.77	5.96
1.00	18.0	35.0	18.0	1.0	18.0	5.56
1.20	29.0	44.0	29.0	0.8667	33.46	2.99
1.40	28.0	41.0	28.0	0.8667	32.31	3.1
1.60	22.0	35.0	22.0	1.0667	20.62	4.85
1.80	19.0	35.0	19.0	0.6667	28.5	3.51
2.00	11.0	21.0	11.0	0.6667	16.5	6.06
2.20	5.0	15.0	5.0	0.2667	18.75	5.33
2.40	5.0	9.0	5.0	0.2667	18.75	5.33
2.60	6.0	10.0	6.0	0.3333	18.0	5.56
2.80	5.0	10.0	5.0	0.4	12.5	8.0
3.00	4.0	10.0	4.0	0.2667	15.0	6.67
3.20	4.0	8.0	4.0	0.3333	12.0	8.33
3.40	4.0	9.0	4.0	0.2667	15.0	6.67
3.60	5.0	9.0	5.0	0.2667	18.75	5.33
3.80	5.0	9.0	5.0	0.2667	18.75	5.33
4.00	5.0	9.0	5.0	0.3333	15.0	6.67
4.20	5.0	10.0	5.0	0.2	25.0	4.0
4.40	7.0	10.0	7.0	0.7333	9.55	10.48
4.60	7.0	18.0	7.0	0.5333	13.13	7.62
4.80	6.0	14.0	6.0	0.1333	45.01	2.22
5.00	36.0	38.0	36.0	0.3333	108.01	0.93
5.20	21.0	26.0	21.0	0.7333	28.64	3.49
5.40	13.0	24.0	13.0	0.7333	17.73	5.64
5.60	13.0	24.0	13.0	0.6	21.67	4.62
5.80	31.0	40.0	31.0	0.5333	58.13	1.72
6.00	12.0	20.0	12.0	0.5333	22.5	4.44
6.20	83.0	91.0	83.0	1.2	69.17	1.45
6.40	96.0	114.0	96.0	0.9333	102.86	0.97
6.60	98.0	112.0	98.0	1.7333	56.54	1.77
6.80	99.0	125.0	99.0	1.4667	67.5	1.48
7.00	100.0	122.0	100.0	2.0	50.0	2.0
7.20	119.0	149.0	119.0	2.5333	46.97	2.13
7.40	145.0	183.0	145.0	2.0667	70.16	1.43
7.60	187.0	218.0	187.0	2.1333	87.66	1.14
7.80	99.0	131.0	99.0	2.1333	46.41	2.15
8.00	65.0	97.0	65.0	1.9333	33.62	2.97
8.20	69.0	98.0	69.0	1.4667	47.04	2.13
8.40	88.0	110.0	88.0	1.5333	57.39	1.74
8.60	65.0	88.0	65.0	2.0	32.5	3.08
8.80	69.0	99.0	69.0	1.9333	35.69	2.8
9.00	20.0	49.0	20.0	1.0667	18.75	5.33
9.20	12.0	28.0	12.0	0.2667	44.99	2.22
9.40	10.0	14.0	10.0	0.4	25.0	4.0
9.60	76.0	82.0	76.0	0.2667	284.96	0.35
9.80	48.0	52.0	48.0	1.6667	28.8	3.47
10.00	13.0	38.0	13.0	0.7333	17.73	5.64
10.20	14.0	25.0	14.0	0.4667	30.0	3.33
10.40	14.0	21.0	14.0	0.7333	19.09	5.24
10.60	9.0	20.0	9.0	0.6667	13.5	7.41
10.80	14.0	24.0	14.0	0.8667	16.15	6.19
11.00	18.0	31.0	18.0	1.0	18.0	5.56
11.20	20.0	35.0	20.0	1.4	14.29	7.0
11.40	57.0	78.0	57.0	1.4	40.71	2.46
11.60	82.0	103.0	82.0	2.1333	38.44	2.6
11.80	80.0	112.0	80.0	1.7333	46.15	2.17
12.00	72.0	98.0	72.0	1.6667	43.2	2.31

12.20	46.0	71.0	46.0	1.5333	30.0	3.33
12.40	79.0	102.0	79.0	1.7333	45.58	2.19
12.60	76.0	102.0	76.0	2.2667	33.53	2.98
12.80	62.0	96.0	62.0	1.7333	35.77	2.8
13.00	83.0	109.0	83.0	2.1333	38.91	2.57
13.20	80.0	112.0	80.0	2.0	40.0	2.5
13.40	79.0	109.0	79.0	2.4	32.92	3.04
13.60	76.0	112.0	76.0	2.0667	36.77	2.72
13.80	28.0	59.0	28.0	0.9333	30.0	3.33
14.00	15.0	29.0	15.0	0.3333	45.0	2.22
14.20	26.0	31.0	26.0	0.6	43.33	2.31
14.40	108.0	117.0	108.0	2.3333	46.29	2.16
14.60	118.0	153.0	118.0	2.8667	41.16	2.43
14.80	165.0	208.0	165.0	3.2667	50.51	1.98
15.00	153.0	202.0	153.0	3.5333	43.3	2.31
15.20	292.0	345.0	292.0	5.2667	55.44	1.8
15.40	299.0	378.0	299.0	5.8667	50.97	1.96
15.60	255.0	343.0	255.0	5.0	51.0	1.96
15.80	221.0	296.0	221.0	4.8	46.04	2.17
16.00	230.0	302.0	230.0	3.7333	61.61	1.62
16.20	156.0	212.0	156.0	3.4	45.88	2.18
16.40	138.0	189.0	138.0	3.0	46.0	2.17
16.60	96.0	141.0	96.0	2.2	43.64	2.29
16.80	65.0	98.0	65.0	1.8	36.11	2.77
17.00	77.0	104.0	77.0	1.5333	50.22	1.99
17.20	88.0	111.0	88.0	2.4667	35.68	2.8
17.40	79.0	116.0	79.0	1.8667	42.32	2.36
17.60	148.0	176.0	148.0	2.9333	50.46	1.98
17.80	172.0	216.0	172.0	2.2	78.18	1.28
18.00	155.0	188.0	155.0	3.6	43.06	2.32
18.20	139.0	193.0	139.0	3.0667	45.33	2.21
18.40	87.0	133.0	87.0	1.4	62.14	1.61
18.60	121.0	142.0	121.0	2.4	50.42	1.98
18.80	86.0	122.0	86.0	3.0667	28.04	3.57
19.00	48.0	94.0	48.0	0.7333	65.46	1.53
19.20	120.0	131.0	120.0	2.5333	47.37	2.11
19.40	159.0	197.0	159.0	2.2	72.27	1.38
19.60	148.0	181.0	148.0	3.5333	41.89	2.39
19.80	89.0	142.0	89.0	3.4	26.18	3.82
20.00	106.0	157.0	106.0	2.8	37.86	2.64
20.20	131.0	173.0	131.0	3.5333	37.08	2.7
20.40	156.0	209.0	156.0	2.9333	53.18	1.88
20.60	108.0	152.0	108.0	2.6	41.54	2.41
20.80	147.0	186.0	147.0	3.7333	39.38	2.54
21.00	139.0	195.0	139.0	2.9333	47.39	2.11
21.20	169.0	213.0	169.0	3.8	44.47	2.25
21.40	167.0	224.0	167.0	4.3333	38.54	2.59
21.60	164.0	229.0	164.0	3.6	45.56	2.2
21.80	164.0	218.0	164.0	3.8667	42.41	2.36
22.00	151.0	209.0	151.0	2.8	53.93	1.85
22.20	191.0	233.0	191.0	3.5333	54.06	1.85
22.40	115.0	168.0	115.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.40	7.0	0.5334	1.80	Coesivo	Argilla limosa soffice
0.60	18.0	1.2667	1.80	Incoerente	Limo argilloso-sabbioso molto addensato
1.00	18.5	1.0667	1.80	Coesivo	Limo argilloso plastico
1.40	28.5	0.8667	1.80	Incoerente	Sabbia argilloso-limosa
1.60	22.0	1.0667	1.80	Coesivo	Limo argilloso plastico
1.80	19.0	0.6667	1.80	Incoerente	Limo argilloso-sabbioso
2.00	11.0	0.6667	1.80	Coesivo	Limo argilloso plastico
2.60	5.3333	0.2889	1.80	Coesivo	Limo argilloso soffice
3.40	4.25	0.3167	1.80	Coesivo	Argilla limosa soffice
4.20	5.0	0.2667	1.80	Coesivo	Limo argilloso soffice
4.80	6.6667	0.4666	1.80	Coesivo	Argilla limosa soffice
5.20	28.5	0.5333	1.80	Incoerente	Sabbie limose
5.60	13.0	0.6667	1.80	Coesivo	Limo argilloso plastico
5.80	31.0	0.5333	1.80	Incoerente	Sabbie limose
6.00	12.0	0.5333	1.80	Incoerente	Limo argilloso-sabbioso
7.00	95.2	1.4667	1.80	Incoerente	Sabbia
7.60	150.3333	2.2444	1.80	Incoerente	Sabbia
7.80	99.0	2.1333	1.80	Incoerente	Sabbie limose
8.20	67.0	1.7	1.80	Incoerente	Sabbia argilloso-limosa
8.40	88.0	1.5333	1.80	Incoerente	Sabbie limose
8.80	67.0	1.9667	1.80	Incoerente	Sabbia argilloso-limosa
9.00	20.0	1.0667	1.80	Coesivo	Limo argilloso plastico
9.20	12.0	0.2667	1.80	Incoerente	Sabbie limose
9.40	10.0	0.4	1.80	Incoerente	Limo argilloso-sabbioso
9.60	76.0	0.2667	1.80	Incoerente	Ghiaia sciolta
9.80	48.0	1.6667	1.80	Incoerente	Limo argilloso-sabbioso
10.40	13.6667	0.6444	1.80	Coesivo	Limo argilloso plastico
10.60	9.0	0.6667	1.80	Incoerente	Limo argilloso-sabbioso addensato
10.80	14.0	0.8667	1.80	Incoerente	Limo argilloso-sabbioso addensato
11.20	19.0	1.2	1.80	Incoerente	Limo argilloso-sabbioso molto addensato
11.40	57.0	1.4	1.80	Incoerente	Sabbia argilloso-limosa
12.00	78.0	1.8444	1.80	Incoerente	Sabbia argilloso-limosa
12.20	46.0	1.5333	1.80	Incoerente	Limo argilloso-sabbioso
13.60	76.4286	2.0476	1.80	Incoerente	Sabbia argilloso-limosa
13.80	28.0	0.9333	1.80	Incoerente	Limo argilloso-sabbioso
14.00	15.0	0.3333	1.80	Incoerente	Sabbie limose
14.20	26.0	0.6	1.80	Incoerente	Sabbie limose
14.60	113.0	2.6	1.80	Incoerente	Sabbia argilloso-limosa addensata
16.00	230.7143	4.4952	1.80	Incoerente	Sabbia limosa addensata
16.60	130.0	2.8667	1.80	Incoerente	Sabbia limosa addensata
17.40	77.25	1.9167	1.80	Incoerente	Sabbia argilloso-limosa
18.20	153.5	2.95	1.80	Incoerente	Sabbia limosa addensata
18.40	87.0	1.4	1.80	Incoerente	Sabbia
19.00	85.0	2.0667	1.80	Incoerente	Sabbia argilloso-limosa
19.60	142.3333	2.7555	1.80	Incoerente	Sabbia limosa addensata
19.80	89.0	3.4	1.80	Incoerente	Limo argilloso-sabbioso addensato

PROVA CPT 21 – Correggioli di Ostiglia – Via Cascine

Prova eseguita in data

25/05/2007

Profondità prova

9,40 mt

Falda

Quota = 2,02 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	23.0	28.0	23.0	1.6667	13.8	7.25
0.40	24.0	49.0	24.0	1.0667	22.5	4.44
0.60	10.0	26.0	10.0	0.7333	13.64	7.33
0.80	20.0	31.0	20.0	0.4667	42.85	2.33
1.00	20.0	27.0	20.0	0.7333	27.27	3.67
1.20	21.0	32.0	21.0	0.5333	39.38	2.54
1.40	14.0	22.0	14.0	0.9333	15.0	6.67
1.60	17.0	31.0	17.0	0.8667	19.61	5.1
1.80	18.0	31.0	18.0	0.3333	54.01	1.85
2.00	14.0	19.0	14.0	0.7333	19.09	5.24
2.20	17.0	28.0	17.0	0.5333	31.88	3.14
2.40	16.0	24.0	16.0	0.6	26.67	3.75
2.60	23.0	32.0	23.0	0.9333	24.64	4.06
2.80	18.0	32.0	18.0	0.5333	33.75	2.96
3.00	18.0	26.0	18.0	0.5333	33.75	2.96
3.20	20.0	28.0	20.0	0.8	25.0	4.0
3.40	23.0	35.0	23.0	1.1333	20.29	4.93
3.60	28.0	45.0	28.0	1.6	17.5	5.71
3.80	28.0	52.0	28.0	1.3333	21.0	4.76
4.00	20.0	40.0	20.0	0.8667	23.08	4.33
4.20	18.0	31.0	18.0	1.0	18.0	5.56
4.40	16.0	31.0	16.0	0.6	26.67	3.75
4.60	15.0	24.0	15.0	1.0	15.0	6.67
4.80	16.0	31.0	16.0	0.8667	18.46	5.42
5.00	15.0	28.0	15.0	0.7333	20.46	4.89
5.20	10.0	21.0	10.0	0.5333	18.75	5.33
5.40	10.0	18.0	10.0	0.4667	21.43	4.67
5.60	14.0	21.0	14.0	0.7333	19.09	5.24
5.80	10.0	21.0	10.0	0.5333	18.75	5.33
6.00	10.0	18.0	10.0	0.7333	13.64	7.33
6.20	26.0	37.0	26.0	0.4	65.0	1.54
6.40	12.0	18.0	12.0	0.5333	22.5	4.44
6.60	10.0	18.0	10.0	0.6667	15.0	6.67
6.80	18.0	28.0	18.0	0.4667	38.57	2.59
7.00	11.0	18.0	11.0	0.4667	23.57	4.24
7.20	12.0	19.0	12.0	0.5333	22.5	4.44
7.40	18.0	26.0	18.0	0.8	22.5	4.44
7.60	21.0	33.0	21.0	0.7333	28.64	3.49
7.80	15.0	26.0	15.0	0.4667	32.14	3.11
8.00	12.0	19.0	12.0	0.7333	16.36	6.11
8.20	23.0	34.0	23.0	0.5333	43.13	2.32
8.40	22.0	30.0	22.0	0.9333	23.57	4.24
8.60	18.0	32.0	18.0	0.6667	27.0	3.7
8.80	32.0	42.0	32.0	0.8667	36.92	2.71
9.00	40.0	53.0	40.0	1.4	28.57	3.5
9.20	55.0	76.0	55.0	1.2	45.83	2.18
9.40	43.0	61.0	43.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.40	23.5	1.3667	2.00	Coesivo	Limo argilloso consistente
0.60	10.0	0.7333	2.00	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
1.20	20.3333	0.5778	2.00	Incoerente	Sabbia argilloso-limosa
1.40	14.0	0.9333	2.00	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
1.80	17.5	0.6	2.00	Incoerente-Coesivo	Limo argilloso-sabbioso
2.00	14.0	0.7333	2.00	Coesivo	Limo argilloso plastico
2.40	16.5	0.5667	2.00	Incoerente-Coesivo	Limo argilloso-sabbioso
2.60	23.0	0.9333	2.00	Incoerente-Coesivo	Limo argilloso-sabbioso
3.00	18.0	0.5333	2.00	Incoerente	Sabbia argilloso-limosa
3.40	21.5	0.9667	2.00	Incoerente-Coesivo	Limo argilloso-sabbioso
3.80	28.0	1.4667	2.00	Coesivo	Limo argilloso consistente
4.00	20.0	0.8667	2.00	Incoerente-Coesivo	Limo argilloso-sabbioso
4.20	18.0	1.0	2.00	Coesivo	Limo argilloso plastico
5.00	15.5	0.8	2.00	Coesivo	Limo argilloso plastico
5.40	10.0	0.5	2.00	Coesivo	Limo argilloso soffice
5.60	14.0	0.7333	2.00	Coesivo	Limo argilloso plastico
6.00	10.0	0.6333	2.00	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
6.20	26.0	0.4	2.00	Incoerente	Sabbia
6.60	11.0	0.6	2.00	Incoerente-Coesivo	Limo argilloso-sabbioso
6.80	18.0	0.4667	2.00	Incoerente	Sabbia argilloso-limosa
7.20	11.5	0.5	2.00	Incoerente-Coesivo	Limo argilloso-sabbioso
7.60	19.5	0.7667	2.00	Incoerente-Coesivo	Limo argilloso-sabbioso
8.00	13.5	0.6	2.00	Incoerente-Coesivo	Limo argilloso-sabbioso
8.20	23.0	0.5333	2.00	Incoerente	Sabbia argilloso-limosa
8.60	20.0	0.8	2.00	Incoerente-Coesivo	Limo argilloso-sabbioso
8.80	32.0	0.8667	2.00	Incoerente	Sabbia argilloso-limosa
9.00	40.0	1.4	2.00	Incoerente-Coesivo	Limo argilloso-sabbioso
9.20	55.0	1.2	2.00	Incoerente	Sabbie limose

PROVA CPT 22 – Ostiglia – Comparto produttivo “Canal Bianco”

Prova eseguita in data
Profondità prova
Falda

06/06/2007
25,00 mt
Quota = 1,17 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	14.0	16.0	14.0	0.6667	21.0	4.76
0.40	10.0	20.0	10.0	1.0667	9.37	10.67
0.60	13.0	29.0	13.0	1.1333	11.47	8.72
0.80	12.0	29.0	12.0	1.2667	9.47	10.56
1.00	10.0	29.0	10.0	1.0	10.0	10.0
1.20	6.0	21.0	6.0	0.5333	11.25	8.89
1.40	7.0	15.0	7.0	0.1333	52.51	1.9
1.60	18.0	20.0	18.0	0.7333	24.55	4.07
1.80	26.0	37.0	26.0	0.8	32.5	3.08
2.00	35.0	47.0	35.0	1.2	29.17	3.43
2.20	48.0	66.0	48.0	1.8	26.67	3.75
2.40	47.0	74.0	47.0	1.7333	27.12	3.69
2.60	47.0	73.0	47.0	1.8	26.11	3.83
2.80	44.0	71.0	44.0	1.9333	22.76	4.39
3.00	43.0	72.0	43.0	1.9333	22.24	4.5
3.20	31.0	60.0	31.0	1.8667	16.61	6.02
3.40	85.0	113.0	85.0	3.0667	27.72	3.61
3.60	82.0	128.0	82.0	1.7333	47.31	2.11
3.80	71.0	97.0	71.0	3.4	20.88	4.79
4.00	92.0	143.0	92.0	2.0	46.0	2.17
4.20	92.0	122.0	92.0	2.6667	34.5	2.9
4.40	83.0	123.0	83.0	1.9333	42.93	2.33
4.60	71.0	100.0	71.0	2.0667	34.35	2.91
4.80	58.0	89.0	58.0	1.5333	37.83	2.64
5.00	59.0	82.0	59.0	2.5333	23.29	4.29
5.20	66.0	104.0	66.0	1.6667	39.6	2.53
5.40	88.0	113.0	88.0	2.8	31.43	3.18
5.60	164.0	206.0	164.0	1.7333	94.62	1.06
5.80	136.0	162.0	136.0	2.8	48.57	2.06
6.00	153.0	195.0	153.0	2.4667	62.03	1.61
6.20	113.0	150.0	113.0	2.7333	41.34	2.42
6.40	93.0	134.0	93.0	2.5333	36.71	2.72
6.60	90.0	128.0	90.0	2.6667	33.75	2.96
6.80	93.0	133.0	93.0	2.1333	43.59	2.29
7.00	35.0	67.0	35.0	2.6667	13.12	7.62
7.20	74.0	114.0	74.0	1.2667	58.42	1.71
7.40	100.0	119.0	100.0	2.8	35.71	2.8
7.60	91.0	133.0	91.0	2.2667	40.15	2.49
7.80	84.0	118.0	84.0	1.7333	48.46	2.06
8.00	60.0	86.0	60.0	1.2	50.0	2.0
8.20	79.0	97.0	79.0	1.4	56.43	1.77
8.40	41.0	62.0	41.0	1.9333	21.21	4.72
8.60	31.0	60.0	31.0	1.1333	27.35	3.66
8.80	31.0	48.0	31.0	1.1333	27.35	3.66
9.00	14.0	31.0	14.0	0.6667	21.0	4.76
9.20	13.0	23.0	13.0	0.5333	24.38	4.1
9.40	15.0	23.0	15.0	0.9333	16.07	6.22
9.60	21.0	35.0	21.0	1.4667	14.32	6.98
9.80	23.0	45.0	23.0	1.4	16.43	6.09
10.00	62.0	83.0	62.0	1.4667	42.27	2.37
10.20	57.0	79.0	57.0	2.0	28.5	3.51
10.40	73.0	103.0	73.0	2.2667	32.21	3.11
10.60	73.0	107.0	73.0	2.0667	35.32	2.83
10.80	60.0	91.0	60.0	1.6667	36.0	2.78
11.00	68.0	93.0	68.0	1.7333	39.23	2.55
11.20	55.0	81.0	55.0	1.7333	31.73	3.15
11.40	66.0	92.0	66.0	2.0	33.0	3.03
11.60	94.0	124.0	94.0	2.0667	45.48	2.2

11.80	72.0	103.0	72.0	2.2667	31.76	3.15
12.00	67.0	101.0	67.0	1.5333	43.7	2.29
12.20	65.0	88.0	65.0	2.4667	26.35	3.79
12.40	25.0	62.0	25.0	1.4	17.86	5.6
12.60	21.0	42.0	21.0	1.2667	16.58	6.03
12.80	12.0	31.0	12.0	1.2667	9.47	10.56
13.00	61.0	80.0	61.0	3.2	19.06	5.25
13.20	183.0	231.0	183.0	2.4667	74.19	1.35
13.40	234.0	271.0	234.0	3.6	65.0	1.54
13.60	144.0	198.0	144.0	2.8	51.43	1.94
13.80	232.0	274.0	232.0	3.6	64.44	1.55
14.00	167.0	221.0	167.0	3.8667	43.19	2.32
14.20	148.0	206.0	148.0	4.5333	32.65	3.06
14.40	164.0	232.0	164.0	2.8667	57.21	1.75
14.60	86.0	129.0	86.0	3.1333	27.45	3.64
14.80	123.0	170.0	123.0	1.8667	65.89	1.52
15.00	189.0	217.0	189.0	5.0	37.8	2.65
15.20	113.0	188.0	113.0	2.8	40.36	2.48
15.40	114.0	156.0	114.0	2.4667	46.22	2.16
15.60	63.0	100.0	63.0	1.3333	47.25	2.12
15.80	69.0	89.0	69.0	1.8	38.33	2.61
16.00	90.0	117.0	90.0	1.8	50.0	2.0
16.20	107.0	134.0	107.0	1.7333	61.73	1.62
16.40	99.0	125.0	99.0	2.4667	40.13	2.49
16.60	108.0	145.0	108.0	2.8667	37.67	2.65
16.80	111.0	154.0	111.0	3.4667	32.02	3.12
17.00	124.0	176.0	124.0	3.6667	33.82	2.96
17.20	123.0	178.0	123.0	1.8	68.33	1.46
17.40	92.0	119.0	92.0	2.0667	44.52	2.25
17.60	137.0	168.0	137.0	3.3333	41.1	2.43
17.80	190.0	240.0	190.0	2.4	79.17	1.26
18.00	134.0	170.0	134.0	2.8	47.86	2.09
18.20	78.0	120.0	78.0	3.6667	21.27	4.7
18.40	90.0	145.0	90.0	2.1333	42.19	2.37
18.60	135.0	167.0	135.0	2.6	51.92	1.93
18.80	78.0	117.0	78.0	2.3333	33.43	2.99
19.00	89.0	124.0	89.0	3.6	24.72	4.04
19.20	135.0	189.0	135.0	4.1333	32.66	3.06
19.40	225.0	287.0	225.0	4.5333	49.63	2.01
19.60	209.0	277.0	209.0	4.4	47.5	2.11
19.80	212.0	278.0	212.0	3.0667	69.13	1.45
20.00	167.0	213.0	167.0	3.6667	45.55	2.2
20.20	200.0	255.0	200.0	2.0667	96.77	1.03
20.40	167.0	198.0	167.0	3.6	46.39	2.16
20.60	156.0	210.0	156.0	3.6	43.33	2.31
20.80	168.0	222.0	168.0	5.1333	32.73	3.06
21.00	190.0	267.0	190.0	3.6	52.78	1.89
21.20	213.0	267.0	213.0	4.9333	43.18	2.32
21.40	213.0	287.0	213.0	4.2	50.71	1.97
21.60	260.0	323.0	260.0	5.0667	51.32	1.95
21.80	167.0	243.0	167.0	3.8667	43.19	2.32
22.00	109.0	167.0	109.0	3.7333	29.2	3.43
22.20	89.0	145.0	89.0	3.1333	28.4	3.52
22.40	76.0	123.0	76.0	4.0	19.0	5.26
22.60	121.0	181.0	121.0	3.0	40.33	2.48
22.80	120.0	165.0	120.0	3.7333	32.14	3.11
23.00	157.0	213.0	157.0	3.2	49.06	2.04
23.20	142.0	190.0	142.0	2.8667	49.53	2.02
23.40	144.0	187.0	144.0	3.2	45.0	2.22
23.60	130.0	178.0	130.0	3.5333	36.79	2.72
23.80	145.0	198.0	145.0	3.2667	44.39	2.25
24.00	131.0	180.0	131.0	3.7333	35.09	2.85
24.20	157.0	213.0	157.0	2.8	56.07	1.78
24.40	145.0	187.0	145.0	5.2667	27.53	3.63
24.60	189.0	268.0	189.0	3.5333	53.49	1.87
24.80	123.0	176.0	123.0	2.6667	46.12	2.17
25.00	116.0	156.0	116.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.60	12.3333	0.9556	1.91	Incoerente	Limo argilloso-sabbioso addensato
1.00	11.0	1.1334	1.91	Coesivo	Argille plastiche
1.40	6.5	0.3333	1.91	Coesivo	Limo argilloso soffice
1.60	18.0	0.7333	1.91	Incoerente	Limo argilloso-sabbioso
1.80	26.0	0.8	1.91	Incoerente	Sabbia argilloso-limosa
2.00	35.0	1.2	1.91	Incoerente	Limo argilloso-sabbioso
3.00	45.8	1.84	1.91	Incoerente	Limo argilloso-sabbioso
3.20	31.0	1.8667	1.91	Coesivo	Limo argilloso consistente
3.60	83.5	2.4	1.91	Incoerente	Sabbia argilloso-limosa
3.80	71.0	3.4	1.91	Coesivo	Limo argilloso molto consistente
4.60	84.5	2.1667	1.91	Incoerente	Sabbia argilloso-limosa
5.00	58.5	2.0333	1.91	Incoerente	Limo argilloso-sabbioso
5.40	77.0	2.2334	1.91	Incoerente	Sabbia argilloso-limosa
6.00	151.0	2.3333	1.91	Incoerente	Sabbia
6.80	97.25	2.5167	1.91	Incoerente	Sabbia argilloso-limosa
7.00	35.0	2.6667	1.91	Coesivo	Argilla limosa molto consistente
7.20	74.0	1.2667	1.91	Incoerente	Sabbie limose
7.60	95.5	2.5334	1.91	Incoerente	Sabbia argilloso-limosa
7.80	84.0	1.7333	1.91	Incoerente	Sabbie limose
8.20	69.5	1.3	1.91	Incoerente	Sabbie limose
8.40	41.0	1.9333	1.91	Coesivo	Limo argilloso consistente
8.80	31.0	1.1333	1.91	Incoerente	Limo argilloso-sabbioso
9.40	14.0	0.7111	1.91	Coesivo	Limo argilloso plastico
9.80	22.0	1.4334	1.91	Incoerente	Limo argilloso-sabbioso molto addensato
10.20	59.5	1.7334	1.91	Incoerente	Sabbia argilloso-limosa
10.60	73.0	2.1667	1.91	Incoerente	Sabbia argilloso-limosa
11.40	62.25	1.7833	1.91	Incoerente	Sabbia argilloso-limosa
11.60	94.0	2.0667	1.91	Incoerente	Sabbie limose
12.20	68.0	2.0889	1.91	Incoerente	Sabbia argilloso-limosa
12.60	23.0	1.3334	1.91	Coesivo	Limo argilloso consistente
12.80	12.0	1.2667	1.91	Coesivo	Argille plastiche
13.00	61.0	3.2	1.91	Coesivo	Limo argilloso molto consistente
13.80	198.25	3.1167	1.91	Incoerente	Sabbie addensate
14.40	159.6667	3.7556	1.91	Incoerente	Sabbia argilloso-limosa addensata
14.60	86.0	3.1333	1.91	Incoerente	Limo argilloso-sabbioso addensato
15.40	134.75	3.0334	1.91	Incoerente	Sabbia limosa addensata
15.80	66.0	1.5667	1.91	Incoerente	Sabbia argilloso-limosa
16.60	101.0	2.2167	1.91	Incoerente	Sabbie limose
17.20	119.3333	2.9778	1.91	Incoerente	Sabbia argilloso-limosa addensata
17.40	92.0	2.0667	1.91	Incoerente	Sabbie limose
18.00	153.6667	2.8444	1.91	Incoerente	Sabbia limosa addensata
18.20	78.0	3.6667	1.91	Coesivo	Limo argilloso molto consistente
18.40	90.0	2.1333	1.91	Incoerente	Sabbia argilloso-limosa
18.60	135.0	2.6	1.91	Incoerente	Sabbia limosa addensata
19.00	83.5	2.9667	1.91	Incoerente	Limo argilloso-sabbioso addensato
21.80	191.5714	3.9905	1.91	Incoerente	Sabbia limosa addensata
22.40	91.3333	3.6222	1.91	Incoerente	Limo argilloso-sabbioso addensato
24.80	142.0	3.4	1.91	Incoerente	Sabbia argilloso-limosa addensata

PROVA CPT 23 – Ostiglia – Comparto produttivo “Canal Bianco”

Prova eseguita in data

06/06/2007

Profondità prova

25,00 mt

Falda

Quota = 1,68 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	18.0	21.0	18.0	0.6	30.0	3.33
0.40	15.0	24.0	15.0	0.7333	20.46	4.89
0.60	16.0	27.0	16.0	1.0	16.0	6.25
0.80	14.0	29.0	14.0	1.1333	12.35	8.1
1.00	14.0	31.0	14.0	1.0	14.0	7.14
1.20	14.0	29.0	14.0	0.9333	15.0	6.67
1.40	13.0	27.0	13.0	0.9333	13.93	7.18
1.60	11.0	25.0	11.0	0.8	13.75	7.27
1.80	14.0	26.0	14.0	0.8	17.5	5.71
2.00	14.0	26.0	14.0	0.7333	19.09	5.24
2.20	14.0	25.0	14.0	0.9333	15.0	6.67
2.40	14.0	28.0	14.0	0.9333	15.0	6.67
2.60	20.0	34.0	20.0	1.0	20.0	5.0
2.80	23.0	38.0	23.0	1.1333	20.29	4.93
3.00	18.0	35.0	18.0	1.6667	10.8	9.26
3.20	37.0	62.0	37.0	2.2	16.82	5.95
3.40	105.0	138.0	105.0	2.2667	46.32	2.16
3.60	212.0	246.0	212.0	5.2667	40.25	2.48
3.80	189.0	268.0	189.0	3.1333	60.32	1.66
4.00	182.0	229.0	182.0	4.2	43.33	2.31
4.20	55.0	118.0	55.0	3.3333	16.5	6.06
4.40	30.0	80.0	30.0	1.4	21.43	4.67
4.60	38.0	59.0	38.0	1.8	21.11	4.74
4.80	69.0	96.0	69.0	1.2	57.5	1.74
5.00	104.0	122.0	104.0	1.6667	62.4	1.6
5.20	137.0	162.0	137.0	2.6	52.69	1.9
5.40	139.0	178.0	139.0	2.0667	67.26	1.49
5.60	117.0	148.0	117.0	3.1333	37.34	2.68
5.80	34.0	81.0	34.0	0.8	42.5	2.35
6.00	48.0	60.0	48.0	1.8	26.67	3.75
6.20	64.0	91.0	64.0	1.7333	36.92	2.71
6.40	94.0	120.0	94.0	3.3333	28.2	3.55
6.60	88.0	138.0	88.0	2.1333	41.25	2.42
6.80	129.0	161.0	129.0	1.4667	87.95	1.14
7.00	142.0	164.0	142.0	2.3333	60.86	1.64
7.20	96.0	131.0	96.0	2.2667	42.35	2.36
7.40	24.0	58.0	24.0	1.3333	18.0	5.56
7.60	18.0	38.0	18.0	1.3333	13.5	7.41
7.80	76.0	96.0	76.0	1.4667	51.82	1.93
8.00	105.0	127.0	105.0	1.8	58.33	1.71
8.20	67.0	94.0	67.0	1.7333	38.65	2.59
8.40	23.0	49.0	23.0	1.2667	18.16	5.51
8.60	18.0	37.0	18.0	0.9333	19.29	5.19
8.80	23.0	37.0	23.0	0.7333	31.37	3.19
9.00	18.0	29.0	18.0	0.6	30.0	3.33
9.20	14.0	23.0	14.0	0.9333	15.0	6.67
9.40	15.0	29.0	15.0	1.0	15.0	6.67
9.60	36.0	51.0	36.0	1.7333	20.77	4.81
9.80	40.0	66.0	40.0	1.8	22.22	4.5
10.00	28.0	55.0	28.0	2.1333	13.13	7.62
10.20	24.0	56.0	24.0	1.6	15.0	6.67
10.40	74.0	98.0	74.0	2.8	26.43	3.78
10.60	99.0	141.0	99.0	2.8	35.36	2.83
10.80	116.0	158.0	116.0	3.0	38.67	2.59
11.00	116.0	161.0	116.0	2.9333	39.55	2.53
11.20	87.0	131.0	87.0	2.3333	37.29	2.68
11.40	57.0	92.0	57.0	2.2	25.91	3.86
11.60	63.0	96.0	63.0	2.0667	30.48	3.28
11.80	91.0	122.0	91.0	3.6	25.28	3.96
12.00	198.0	252.0	198.0	4.0667	48.69	2.05

12.20	328.0	389.0	328.0	6.8	48.24	2.07
12.40	356.0	458.0	356.0	8.6	41.4	2.42
12.60	303.0	432.0	303.0	2.8	108.21	0.92
12.80	232.0	274.0	232.0	3.2	72.5	1.38
13.00	222.0	270.0	222.0	4.4	50.45	1.98
13.20	229.0	295.0	229.0	3.8	60.26	1.66
13.40	199.0	256.0	199.0	5.0667	39.28	2.55
13.60	178.0	254.0	178.0	3.7333	47.68	2.1
13.80	178.0	234.0	178.0	4.4667	39.85	2.51
14.00	187.0	254.0	187.0	4.3333	43.15	2.32
14.20	190.0	255.0	190.0	3.8	50.0	2.0
14.40	221.0	278.0	221.0	4.4667	49.48	2.02
14.60	232.0	299.0	232.0	3.7333	62.14	1.61
14.80	265.0	321.0	265.0	3.7333	70.98	1.41
15.00	100.0	156.0	100.0	3.1333	31.92	3.13
15.20	87.0	134.0	87.0	2.8	31.07	3.22
15.40	80.0	122.0	80.0	2.2	36.36	2.75
15.60	45.0	78.0	45.0	2.2667	19.85	5.04
15.80	42.0	76.0	42.0	3.3333	12.6	7.94
16.00	97.0	147.0	97.0	2.6	37.31	2.68
16.20	87.0	126.0	87.0	1.7333	50.19	1.99
16.40	119.0	145.0	119.0	2.6	45.77	2.18
16.60	117.0	156.0	117.0	4.2667	27.42	3.65
16.80	123.0	187.0	123.0	3.5333	34.81	2.87
17.00	187.0	240.0	187.0	3.7333	50.09	2.0
17.20	154.0	210.0	154.0	2.4	64.17	1.56
17.40	98.0	134.0	98.0	3.8667	25.34	3.95
17.60	98.0	156.0	98.0	3.0	32.67	3.06
17.80	111.0	156.0	111.0	3.5333	31.42	3.18
18.00	134.0	187.0	134.0	4.0667	32.95	3.03
18.20	115.0	176.0	115.0	3.0	38.33	2.61
18.40	100.0	145.0	100.0	2.4	41.67	2.4
18.60	87.0	123.0	87.0	2.8667	30.35	3.3
18.80	65.0	108.0	65.0	3.0667	21.2	4.72
19.00	123.0	169.0	123.0	2.8667	42.91	2.33
19.20	111.0	154.0	111.0	4.2667	26.02	3.84
19.40	117.0	181.0	117.0	3.5333	33.11	3.02
19.60	234.0	287.0	234.0	3.6667	63.82	1.57
19.80	212.0	267.0	212.0	4.5333	46.77	2.14
20.00	234.0	302.0	234.0	2.8	83.57	1.2
20.20	158.0	200.0	158.0	4.2667	37.03	2.7
20.40	58.0	122.0	58.0	2.9333	19.77	5.06
20.60	216.0	260.0	216.0	3.0667	70.43	1.42
20.80	234.0	280.0	234.0	3.9333	59.49	1.68
21.00	270.0	329.0	270.0	5.0	54.0	1.85
21.20	270.0	345.0	270.0	6.8667	39.32	2.54
21.40	265.0	368.0	265.0	3.5333	75.0	1.33
21.60	234.0	287.0	234.0	2.8	83.57	1.2
21.80	142.0	184.0	142.0	3.0667	46.3	2.16
22.00	167.0	213.0	167.0	3.8	43.95	2.28
22.20	181.0	238.0	181.0	3.6	50.28	1.99
22.40	145.0	199.0	145.0	3.0	48.33	2.07
22.60	42.0	87.0	42.0	2.0667	20.32	4.92
22.80	47.0	78.0	47.0	2.1333	22.03	4.54
23.00	35.0	67.0	35.0	5.0	7.0	14.29
23.20	170.0	245.0	170.0	2.4	70.83	1.41
23.40	155.0	191.0	155.0	3.5333	43.87	2.28
23.60	134.0	187.0	134.0	3.0	44.67	2.24
23.80	165.0	210.0	165.0	3.8667	42.67	2.34
24.00	187.0	245.0	187.0	4.4	42.5	2.35
24.20	199.0	265.0	199.0	4.0667	48.93	2.04
24.40	139.0	200.0	139.0	3.7333	37.23	2.69
24.60	136.0	192.0	136.0	2.9333	46.36	2.16
24.80	124.0	168.0	124.0	3.0667	40.43	2.47
25.00	165.0	211.0	165.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.40	16.5	0.6667	1.95	Incoerente-Coesivo	Limo argilloso-sabbioso
1.60	13.6667	0.9667	1.95	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
2.00	14.0	0.7667	1.95	Coesivo	Limo argilloso plastico
2.40	14.0	0.9333	1.95	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
2.80	21.5	1.0667	1.95	Coesivo	Limo argilloso plastico
3.00	18.0	1.6667	1.95	Coesivo	Argille plastiche
3.20	37.0	2.2	1.95	Coesivo	Limo argilloso molto consistente
4.00	172.0	3.7167	1.95	Incoerente	Sabbia limosa addensata
4.20	55.0	3.3333	1.95	Coesivo	Limo argilloso molto consistente
4.60	34.0	1.6	1.95	Coesivo	Limo argilloso consistente
4.80	69.0	1.2	1.95	Incoerente	Sabbie limose
5.60	124.25	2.3667	1.95	Incoerente	Sabbie limose
5.80	34.0	0.8	1.95	Incoerente	Sabbia argilloso-limosa
6.00	48.0	1.8	1.95	Incoerente-Coesivo	Limo argilloso-sabbioso
6.60	82.0	2.4	1.95	Incoerente	Sabbia argilloso-limosa
7.00	135.5	1.9	1.95	Incoerente	Sabbia
7.20	96.0	2.2667	1.95	Incoerente	Sabbia argilloso-limosa
7.40	24.0	1.3333	1.95	Coesivo	Limo argilloso consistente
7.60	18.0	1.3333	1.95	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
7.80	76.0	1.4667	1.95	Incoerente	Sabbie limose
8.00	105.0	1.8	1.95	Incoerente	Sabbie limose
8.20	67.0	1.7333	1.95	Incoerente	Sabbia argilloso-limosa
8.60	20.5	1.1	1.95	Coesivo	Limo argilloso plastico
9.00	20.5	0.6667	1.95	Incoerente-Coesivo	Limo argilloso-sabbioso
9.40	14.5	0.9667	1.95	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
9.80	38.0	1.7667	1.95	Coesivo	Limo argilloso consistente
10.20	26.0	1.8667	1.95	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
10.40	74.0	2.8	1.95	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
11.00	110.3333	2.9111	1.95	Incoerente	Sabbia argilloso-limosa addensata
11.20	87.0	2.3333	1.95	Incoerente	Sabbia argilloso-limosa
11.60	60.0	2.1334	1.95	Incoerente-Coesivo	Limo argilloso-sabbioso
11.80	91.0	3.6	1.95	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
12.00	198.0	4.0667	1.95	Incoerente	Sabbia limosa addensata
12.60	329.0	6.0667	1.95	Incoerente	Sabbia limosa addensata
13.20	227.6667	3.8	1.95	Incoerente	Sabbia limosa addensata
14.20	186.4	4.28	1.95	Incoerente	Sabbia limosa addensata
14.80	239.3333	3.9778	1.95	Incoerente	Sabbia limosa addensata
15.40	89.0	2.7111	1.95	Incoerente	Sabbia argilloso-limosa addensata
15.80	43.5	2.8	1.95	Coesivo	Argilla limosa molto consistente
16.20	92.0	2.1667	1.95	Incoerente	Sabbia argilloso-limosa
16.80	119.6667	3.4667	1.95	Incoerente	Sabbia argilloso-limosa addensata
17.20	170.5	3.0667	1.95	Incoerente	Sabbia limosa addensata
17.60	98.0	3.4334	1.95	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
18.20	120.0	3.5333	1.95	Incoerente	Sabbia argilloso-limosa addensata
18.60	93.5	2.6334	1.95	Incoerente	Sabbia argilloso-limosa addensata
18.80	65.0	3.0667	1.95	Coesivo	Limo argilloso molto consistente
19.40	117.0	3.5556	1.95	Incoerente	Sabbia argilloso-limosa addensata
20.00	226.6667	3.6667	1.95	Incoerente	Sabbie addensate
20.20	158.0	4.2667	1.95	Incoerente	Sabbia argilloso-limosa addensata
20.40	58.0	2.9333	1.95	Coesivo	Limo argilloso molto consistente
21.60	248.1667	4.2	1.95	Incoerente	Sabbia limosa addensata
22.40	158.75	3.3667	1.95	Incoerente	Sabbia limosa addensata
23.00	41.3333	3.0667	1.95	Coesivo	Argilla limosa molto consistente
24.80	156.5556	3.4444	1.95	Incoerente	Sabbia limosa addensata

PROVA CPT 24 – Correggioli di Ostiglia

Prova eseguita in data
Profondità prova
Falda

25/07/2007
13,00 mt
Quota = 2,22 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	34.0	37.0	34.0	0.8667	39.23	2.55
0.40	28.0	41.0	28.0	2.0667	13.55	7.38
0.60	18.0	49.0	18.0	1.2	15.0	6.67
0.80	14.0	32.0	14.0	0.8	17.5	5.71
1.00	14.0	26.0	14.0	0.8	17.5	5.71
1.20	17.0	29.0	17.0	0.4667	36.43	2.75
1.40	17.0	24.0	17.0	0.6667	25.5	3.92
1.60	16.0	26.0	16.0	0.6667	24.0	4.17
1.80	9.0	19.0	9.0	0.6667	13.5	7.41
2.00	8.0	18.0	8.0	0.2667	30.0	3.33
2.20	6.0	10.0	6.0	0.4	15.0	6.67
2.40	10.0	16.0	10.0	0.4667	21.43	4.67
2.60	12.0	19.0	12.0	0.5333	22.5	4.44
2.80	9.0	17.0	9.0	0.5333	16.88	5.93
3.00	8.0	16.0	8.0	0.5333	15.0	6.67
3.20	10.0	18.0	10.0	0.4	25.0	4.0
3.40	11.0	17.0	11.0	1.0667	10.31	9.7
3.60	18.0	34.0	18.0	1.0	18.0	5.56
3.80	16.0	31.0	16.0	0.8	20.0	5.0
4.00	17.0	29.0	17.0	0.7333	23.18	4.31
4.20	18.0	29.0	18.0	0.8	22.5	4.44
4.40	17.0	29.0	17.0	0.8667	19.61	5.1
4.60	25.0	38.0	25.0	0.3333	75.01	1.33
4.80	18.0	23.0	18.0	1.1333	15.88	6.3
5.00	14.0	31.0	14.0	0.4667	30.0	3.33
5.20	36.0	43.0	36.0	0.5333	67.5	1.48
5.40	9.0	17.0	9.0	0.7333	12.27	8.15
5.60	7.0	18.0	7.0	0.3333	21.0	4.76
5.80	18.0	23.0	18.0	0.8	22.5	4.44
6.00	9.0	21.0	9.0	0.4	22.5	4.44
6.20	13.0	19.0	13.0	0.5333	24.38	4.1
6.40	13.0	21.0	13.0	0.6	21.67	4.62
6.60	14.0	23.0	14.0	0.8667	16.15	6.19
6.80	13.0	26.0	13.0	0.8	16.25	6.15
7.00	12.0	24.0	12.0	0.8	15.0	6.67
7.20	11.0	23.0	11.0	0.6	18.33	5.45
7.40	12.0	21.0	12.0	0.7333	16.36	6.11
7.60	8.0	19.0	8.0	0.6	13.33	7.5
7.80	8.0	17.0	8.0	0.5333	15.0	6.67
8.00	7.0	15.0	7.0	0.4667	15.0	6.67
8.20	7.0	14.0	7.0	0.4667	15.0	6.67
8.40	6.0	13.0	6.0	0.4	15.0	6.67
8.60	6.0	12.0	6.0	0.4	15.0	6.67
8.80	6.0	12.0	6.0	0.4	15.0	6.67
9.00	6.0	12.0	6.0	0.4	15.0	6.67
9.20	6.0	12.0	6.0	0.4667	12.86	7.78
9.40	8.0	15.0	8.0	0.8	10.0	10.0
9.60	14.0	26.0	14.0	1.0667	13.12	7.62
9.80	20.0	36.0	20.0	1.0667	18.75	5.33
10.00	23.0	39.0	23.0	1.4667	15.68	6.38
10.20	22.0	44.0	22.0	1.6	13.75	7.27
10.40	19.0	43.0	19.0	1.3333	14.25	7.02
10.60	14.0	34.0	14.0	1.0	14.0	7.14
10.80	11.0	26.0	11.0	0.7333	15.0	6.67
11.00	7.0	18.0	7.0	0.5333	13.13	7.62
11.20	6.0	14.0	6.0	0.5333	11.25	8.89
11.40	10.0	18.0	10.0	0.7333	13.64	7.33
11.60	14.0	25.0	14.0	1.0	14.0	7.14
11.80	15.0	30.0	15.0	1.0	15.0	6.67
12.00	12.0	27.0	12.0	0.8667	13.85	7.22

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.40	31.0	1.4667	2.06	Coesivo	Limo argilloso consistente
0.60	18.0	1.2	2.06	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
1.00	14.0	0.8	2.06	Coesivo	Limo argilloso plastico
1.60	16.6667	0.6	2.06	Incoerente-Coesivo	Limo argilloso-sabbioso
2.00	8.5	0.4667	2.06	Coesivo	Limo argilloso soffice
2.20	6.0	0.4	2.06	Coesivo	Argilla limosa soffice
2.40	10.0	0.4667	2.06	Coesivo	Limo argilloso soffice
2.60	12.0	0.5333	2.06	Incoerente-Coesivo	Limo argilloso-sabbioso
3.00	8.5	0.5333	2.06	Coesivo	Argilla limosa soffice
3.40	10.5	0.7334	2.06	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
4.40	17.2	0.84	2.06	Coesivo	Limo argilloso plastico
4.60	25.0	0.3333	2.06	Incoerente	Sabbia
5.00	16.0	0.8	2.06	Coesivo	Limo argilloso plastico
5.20	36.0	0.5333	2.06	Incoerente	Sabbia
5.60	8.0	0.5333	2.06	Coesivo	Argilla limosa soffice
5.80	18.0	0.8	2.06	Incoerente-Coesivo	Limo argilloso-sabbioso
6.00	9.0	0.4	2.06	Incoerente-Coesivo	Limo argilloso-sabbioso
7.40	12.5714	0.7048	2.06	Coesivo	Limo argilloso plastico
7.80	8.0	0.5667	2.06	Coesivo	Argilla limosa soffice
9.40	6.5	0.475	2.06	Coesivo	Argilla limosa soffice
9.60	14.0	1.0667	2.06	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
10.40	21.0	1.3667	2.06	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
10.80	12.5	0.8667	2.06	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
11.20	6.5	0.5333	2.06	Coesivo	Argilla limosa soffice
11.40	10.0	0.7333	2.06	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
12.00	13.6667	0.9556	2.06	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
12.20	9.0	0.5333	2.06	Coesivo	Limo argilloso soffice
12.60	13.5	0.9334	2.06	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
12.80	11.0	0.6667	2.06	Coesivo	Limo argilloso plastico

PROVA CPT 25 – Ostiglia – Bugno San Romano

Prova eseguita in data

18/02/2008

Profondità prova

13,00 mt

Falda

Quota = 2,40 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	14.0	23.0	14.0	0.8667	16.15	6.19
0.40	15.0	28.0	15.0	0.8	18.75	5.33
0.60	21.0	33.0	21.0	0.7333	28.64	3.49
0.80	20.0	31.0	20.0	0.8667	23.08	4.33
1.00	21.0	34.0	21.0	1.0667	19.69	5.08
1.20	29.0	45.0	29.0	0.8667	33.46	2.99
1.40	22.0	35.0	22.0	1.1333	19.41	5.15
1.60	18.0	35.0	18.0	1.0	18.0	5.56
1.80	15.0	30.0	15.0	0.8667	17.31	5.78
2.00	14.0	27.0	14.0	0.6667	21.0	4.76
2.20	11.0	21.0	11.0	0.8	13.75	7.27
2.40	12.0	24.0	12.0	0.4667	25.71	3.89
2.60	14.0	21.0	14.0	0.4667	30.0	3.33
2.80	10.0	17.0	10.0	0.4667	21.43	4.67
3.00	7.0	14.0	7.0	0.2	35.0	2.86
3.20	9.0	12.0	9.0	0.2667	33.75	2.96
3.40	15.0	19.0	15.0	0.4	37.5	2.67
3.60	20.0	26.0	20.0	0.5333	37.5	2.67
3.80	15.0	23.0	15.0	0.4667	32.14	3.11
4.00	19.0	26.0	19.0	0.6	31.67	3.16
4.20	15.0	24.0	15.0	0.5333	28.13	3.56
4.40	10.0	18.0	10.0	0.4667	21.43	4.67
4.60	9.0	16.0	9.0	0.2667	33.75	2.96
4.80	10.0	14.0	10.0	0.2	50.0	2.0
5.00	11.0	14.0	11.0	0.2	55.0	1.82
5.20	12.0	15.0	12.0	0.3333	36.0	2.78
5.40	17.0	22.0	17.0	0.4667	36.43	2.75
5.60	34.0	41.0	34.0	1.5333	22.17	4.51
5.80	49.0	72.0	49.0	2.8667	17.09	5.85
6.00	55.0	98.0	55.0	3.5333	15.57	6.42
6.20	52.0	105.0	52.0	3.4667	15.0	6.67
6.40	52.0	104.0	52.0	2.8667	18.14	5.51
6.60	59.0	102.0	59.0	2.9333	20.11	4.97
6.80	68.0	112.0	68.0	3.2	21.25	4.71
7.00	62.0	110.0	62.0	2.4667	25.13	3.98
7.20	46.0	83.0	46.0	1.8	25.56	3.91
7.40	45.0	72.0	45.0	2.2667	19.85	5.04
7.60	48.0	82.0	48.0	1.9333	24.83	4.03
7.80	68.0	97.0	68.0	3.4667	19.62	5.1
8.00	164.0	216.0	164.0	3.2	51.25	1.95
8.20	146.0	194.0	146.0	4.2	34.76	2.88
8.40	175.0	238.0	175.0	5.4667	32.01	3.12
8.60	150.0	232.0	150.0	4.3333	34.62	2.89
8.80	51.0	116.0	51.0	2.4	21.25	4.71
9.00	26.0	62.0	26.0	1.3333	19.5	5.13
9.20	31.0	51.0	31.0	1.4667	21.14	4.73
9.40	40.0	62.0	40.0	1.7333	23.08	4.33
9.60	46.0	72.0	46.0	2.5333	18.16	5.51
9.80	45.0	83.0	45.0	1.5333	29.35	3.41
10.00	68.0	91.0	68.0	2.1333	31.88	3.14
10.20	63.0	95.0	63.0	3.0667	20.54	4.87
10.40	31.0	77.0	31.0	1.0667	29.06	3.44
10.60	27.0	43.0	27.0	0.9333	28.93	3.46
10.80	20.0	34.0	20.0	1.3333	15.0	6.67
11.00	28.0	48.0	28.0	0.9333	30.0	3.33
11.20	76.0	90.0	76.0	1.6	47.5	2.11
11.40	90.0	114.0	90.0	1.3333	67.5	1.48
11.60	76.0	96.0	76.0	1.4	54.29	1.84
11.80	100.0	121.0	100.0	1.6	62.5	1.6
12.00	56.0	80.0	56.0	2.1333	26.25	3.81

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.40	14.5	0.8334	1.91	Coesivo	Limo argilloso plastico
0.80	20.5	0.8	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
1.00	21.0	1.0667	1.91	Coesivo	Limo argilloso plastico
1.20	29.0	0.8667	1.91	Incoerente	Sabbia argilloso-limosa
1.60	20.0	1.0667	1.91	Coesivo	Limo argilloso plastico
2.00	14.5	0.7667	1.91	Coesivo	Limo argilloso plastico
2.20	11.0	0.8	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
2.60	13.0	0.4667	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
2.80	10.0	0.4667	1.91	Coesivo	Limo argilloso soffice
3.20	8.0	0.2334	1.91	Incoerente	Sabbia argilloso-limosa
3.80	16.6667	0.4667	1.91	Incoerente	Sabbia argilloso-limosa
4.20	17.0	0.5667	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
4.60	9.5	0.3667	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
5.00	10.5	0.2	1.91	Incoerente	Sabbie limose
5.40	14.5	0.4	1.91	Incoerente	Sabbia argilloso-limosa
5.60	34.0	1.5333	1.91	Coesivo	Limo argilloso consistente
6.60	53.4	3.1333	1.91	Coesivo	Limo argilloso molto consistente
7.00	65.0	2.8334	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
7.60	46.3333	2.0	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
7.80	68.0	3.4667	1.91	Coesivo	Limo argilloso molto consistente
8.60	158.75	4.3	1.91	Incoerente	Sabbia argilloso-limosa addensata
8.80	51.0	2.4	1.91	Coesivo	Limo argilloso molto consistente
9.20	28.5	1.4	1.91	Coesivo	Limo argilloso consistente
9.80	43.6667	1.9333	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
10.20	65.5	2.6	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
11.00	26.5	1.0667	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
11.20	76.0	1.6	1.91	Incoerente	Sabbie limose
11.40	90.0	1.3333	1.91	Incoerente	Sabbia
11.60	76.0	1.4	1.91	Incoerente	Sabbie limose
11.80	100.0	1.6	1.91	Incoerente	Sabbia
12.20	50.5	1.9333	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
12.60	78.0	1.1334	1.91	Incoerente	Sabbia
12.80	20.0	1.6667	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato

PROVA CPT 26 – Ostiglia – Zona Z.A.I.

Prova eseguita in data

02/04/2008

Profondità prova

13,00 mt

Falda

Quota = 3,60 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	65.0	70.0	65.0	0.8	81.25	1.23
0.40	172.0	184.0	172.0	2.0667	83.22	1.2
0.60	103.0	134.0	103.0	1.6667	61.8	1.62
0.80	176.0	201.0	176.0	2.2	80.0	1.25
1.00	132.0	165.0	132.0	4.2667	30.94	3.23
1.20	36.0	100.0	36.0	1.6667	21.6	4.63
1.40	38.0	63.0	38.0	2.2667	16.76	5.97
1.60	26.0	60.0	26.0	0.7333	35.46	2.82
1.80	28.0	39.0	28.0	1.2	23.33	4.29
2.00	8.0	26.0	8.0	0.6	13.33	7.5
2.20	9.0	18.0	9.0	0.6667	13.5	7.41
2.40	12.0	22.0	12.0	0.6	20.0	5.0
2.60	15.0	24.0	15.0	1.0	15.0	6.67
2.80	11.0	26.0	11.0	0.8	13.75	7.27
3.00	12.0	24.0	12.0	0.6	20.0	5.0
3.20	9.0	18.0	9.0	0.6	15.0	6.67
3.40	10.0	19.0	10.0	0.6667	15.0	6.67
3.60	8.0	18.0	8.0	0.4667	17.14	5.83
3.80	7.0	14.0	7.0	0.4	17.5	5.71
4.00	8.0	14.0	8.0	0.4667	17.14	5.83
4.20	10.0	17.0	10.0	0.4	25.0	4.0
4.40	20.0	26.0	20.0	0.8	25.0	4.0
4.60	18.0	30.0	18.0	0.8	22.5	4.44
4.80	9.0	21.0	9.0	0.4667	19.28	5.19
5.00	68.0	75.0	68.0	1.7333	39.23	2.55
5.20	71.0	97.0	71.0	1.8	39.44	2.54
5.40	58.0	85.0	58.0	2.3333	24.86	4.02
5.60	43.0	78.0	43.0	1.8667	23.04	4.34
5.80	46.0	74.0	46.0	2.7333	16.83	5.94
6.00	57.0	98.0	57.0	2.4	23.75	4.21
6.20	74.0	110.0	74.0	2.2	33.64	2.97
6.40	91.0	124.0	91.0	2.0667	44.03	2.27
6.60	117.0	148.0	117.0	2.7333	42.81	2.34
6.80	135.0	176.0	135.0	2.2667	59.56	1.68
7.00	88.0	122.0	88.0	2.7333	32.2	3.11
7.20	117.0	158.0	117.0	2.7333	42.81	2.34
7.40	82.0	123.0	82.0	2.4	34.17	2.93
7.60	85.0	121.0	85.0	1.8667	45.53	2.2
7.80	130.0	158.0	130.0	3.2667	39.8	2.51
8.00	159.0	208.0	159.0	3.8667	41.12	2.43
8.20	179.0	237.0	179.0	3.0667	58.37	1.71
8.40	182.0	228.0	182.0	3.6667	49.64	2.01
8.60	148.0	203.0	148.0	4.4667	33.13	3.02
8.80	167.0	234.0	167.0	4.0667	41.07	2.44
9.00	190.0	251.0	190.0	4.5333	41.91	2.39
9.20	178.0	246.0	178.0	4.5333	39.26	2.55
9.40	173.0	241.0	173.0	0.8667	199.61	0.5
9.60	134.0	147.0	134.0	2.8	47.86	2.09
9.80	108.0	150.0	108.0	2.1333	50.63	1.98
10.00	29.0	61.0	29.0	0.9333	31.07	3.22
10.20	25.0	39.0	25.0	1.9333	12.93	7.73
10.40	88.0	117.0	88.0	2.2	40.0	2.5
10.60	65.0	98.0	65.0	2.8667	22.67	4.41
10.80	31.0	74.0	31.0	1.5333	20.22	4.95
11.00	78.0	101.0	78.0	0.9333	83.57	1.2
11.20	34.0	48.0	34.0	1.8667	18.21	5.49
11.40	54.0	82.0	54.0	1.7333	31.15	3.21
11.60	67.0	93.0	67.0	2.2667	29.56	3.38
11.80	107.0	141.0	107.0	1.4667	72.95	1.37
12.00	89.0	111.0	89.0	1.3333	66.75	1.5

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
1.00	129.6	2.2	2.17	Incoerente	Sabbie limose
1.40	37.0	1.9667	2.17	Coesivo	Limo argilloso consistente
1.80	27.0	0.9667	2.17	Incoerente	Limo argilloso-sabbioso
2.20	8.5	0.6334	2.17	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
2.40	12.0	0.6	2.17	Coesivo	Limo argilloso plastico
2.80	13.0	0.9	2.17	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
3.00	12.0	0.6	2.17	Coesivo	Limo argilloso plastico
3.40	9.5	0.6334	2.17	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
4.00	7.6667	0.4445	2.17	Coesivo	Limo argilloso soffice
4.20	10.0	0.4	2.17	Incoerente-Coesivo	Limo argilloso-sabbioso
4.60	19.0	0.8	2.17	Incoerente-Coesivo	Limo argilloso-sabbioso
4.80	9.0	0.4667	2.17	Coesivo	Limo argilloso soffice
5.20	69.5	1.7667	2.17	Incoerente	Sabbia argilloso-limosa
5.40	58.0	2.3333	2.17	Incoerente-Coesivo	Limo argilloso-sabbioso
5.80	44.5	2.3	2.17	Coesivo	Limo argilloso molto consistente
6.00	57.0	2.4	2.17	Incoerente-Coesivo	Limo argilloso-sabbioso
6.20	74.0	2.2	2.17	Incoerente	Sabbia argilloso-limosa
6.40	91.0	2.0667	2.17	Incoerente	Sabbie limose
6.80	126.0	2.5	2.17	Incoerente	Sabbie limose
7.60	93.0	2.4333	2.17	Incoerente	Sabbia argilloso-limosa
7.80	130.0	3.2667	2.17	Incoerente	Sabbia argilloso-limosa addensata
9.80	161.8	3.4	2.17	Incoerente	Sabbia limosa addensata
10.20	27.0	1.4333	2.17	Coesivo	Limo argilloso consistente
10.40	88.0	2.2	2.17	Incoerente	Sabbia argilloso-limosa
10.60	65.0	2.8667	2.17	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
10.80	31.0	1.5333	2.17	Coesivo	Limo argilloso consistente
11.00	78.0	0.9333	2.17	Incoerente	Sabbia
11.20	34.0	1.8667	2.17	Coesivo	Limo argilloso consistente
11.60	60.5	2.0	2.17	Incoerente-Coesivo	Limo argilloso-sabbioso
12.00	98.0	1.4	2.17	Incoerente	Sabbia
12.40	100.0	2.0333	2.17	Incoerente	Sabbie limose
12.60	51.0	1.1333	2.17	Incoerente	Sabbie limose
12.80	32.0	1.2667	2.17	Incoerente-Coesivo	Limo argilloso-sabbioso

PROVA CPT 27 – Ostiglia – Località Le Core

Prova eseguita in data

08/09/2008

Profondità prova

17,00 mt

Falda

Quota = 1,30 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	9.0	14.0	9.0	0.4667	19.28	5.19
0.40	10.0	17.0	10.0	0.6667	15.0	6.67
0.60	10.0	20.0	10.0	0.6667	15.0	6.67
0.80	11.0	21.0	11.0	0.8	13.75	7.27
1.00	6.0	18.0	6.0	0.8	7.5	13.33
1.20	14.0	26.0	14.0	0.6	23.33	4.29
1.40	43.0	52.0	43.0	1.1333	37.94	2.64
1.60	68.0	85.0	68.0	0.2	340.0	0.29
1.80	99.0	102.0	99.0	2.3333	42.43	2.36
2.00	51.0	86.0	51.0	1.4	36.43	2.75
2.20	45.0	66.0	45.0	1.6	28.13	3.56
2.40	55.0	79.0	55.0	2.0667	26.61	3.76
2.60	41.0	72.0	41.0	3.1333	13.09	7.64
2.80	108.0	155.0	108.0	2.9333	36.82	2.72
3.00	97.0	141.0	97.0	0.5333	181.89	0.55
3.20	86.0	94.0	86.0	3.0667	28.04	3.57
3.40	62.0	108.0	62.0	1.5333	40.44	2.47
3.60	142.0	165.0	142.0	2.0667	68.71	1.46
3.80	88.0	119.0	88.0	1.8667	47.14	2.12
4.00	34.0	62.0	34.0	1.2667	26.84	3.73
4.20	21.0	40.0	21.0	1.0	21.0	4.76
4.40	21.0	36.0	21.0	0.8	26.25	3.81
4.60	20.0	32.0	20.0	0.9333	21.43	4.67
4.80	21.0	35.0	21.0	0.7333	28.64	3.49
5.00	24.0	35.0	24.0	0.9333	25.72	3.89
5.20	40.0	54.0	40.0	0.2	200.0	0.5
5.40	38.0	41.0	38.0	1.1333	33.53	2.98
5.60	23.0	40.0	23.0	1.6	14.38	6.96
5.80	34.0	58.0	34.0	0.8	42.5	2.35
6.00	80.0	92.0	80.0	1.4	57.14	1.75
6.20	72.0	93.0	72.0	1.6	45.0	2.22
6.40	84.0	108.0	84.0	1.8667	45.0	2.22
6.60	63.0	91.0	63.0	1.7333	36.35	2.75
6.80	62.0	88.0	62.0	2.2667	27.35	3.66
7.00	11.0	45.0	11.0	0.8667	12.69	7.88
7.20	24.0	37.0	24.0	0.2	120.0	0.83
7.40	57.0	60.0	57.0	1.4667	38.86	2.57
7.60	12.0	34.0	12.0	0.7333	16.36	6.11
7.80	10.0	21.0	10.0	0.2667	37.5	2.67
8.00	11.0	15.0	11.0	0.6	18.33	5.45
8.20	17.0	26.0	17.0	0.6	28.33	3.53
8.40	48.0	57.0	48.0	0.8667	55.38	1.81
8.60	29.0	42.0	29.0	0.6	48.33	2.07
8.80	63.0	72.0	63.0	1.0	63.0	1.59
9.00	71.0	86.0	71.0	1.1333	62.65	1.6
9.20	60.0	77.0	60.0	1.3333	45.0	2.22
9.40	60.0	80.0	60.0	1.9333	31.04	3.22
9.60	62.0	91.0	62.0	1.2667	48.95	2.04
9.80	60.0	79.0	60.0	1.8	33.33	3.0
10.00	55.0	82.0	55.0	1.0667	51.56	1.94
10.20	40.0	56.0	40.0	1.3333	30.0	3.33
10.40	12.0	32.0	12.0	1.4667	8.18	12.22
10.60	20.0	42.0	20.0	0.8667	23.08	4.33
10.80	7.0	20.0	7.0	0.4667	15.0	6.67
11.00	8.0	15.0	8.0	0.4	20.0	5.0
11.20	16.0	22.0	16.0	0.6	26.67	3.75
11.40	26.0	35.0	26.0	0.6	43.33	2.31
11.60	63.0	72.0	63.0	1.2667	49.74	2.01
11.80	97.0	116.0	97.0	1.2	80.83	1.24
12.00	76.0	94.0	76.0	1.8667	40.71	2.46

12.20	90.0	118.0	90.0	1.4667	61.36	1.63
12.40	91.0	113.0	91.0	2.2667	40.15	2.49
12.60	84.0	118.0	84.0	2.3333	36.0	2.78
12.80	79.0	114.0	79.0	1.8667	42.32	2.36
13.00	62.0	90.0	62.0	2.0	31.0	3.23
13.20	18.0	48.0	18.0	1.1333	15.88	6.3
13.40	16.0	33.0	16.0	0.6667	24.0	4.17
13.60	24.0	34.0	24.0	0.8667	27.69	3.61
13.80	24.0	37.0	24.0	1.0	24.0	4.17
14.00	23.0	38.0	23.0	0.6	38.33	2.61
14.20	51.0	60.0	51.0	1.0667	47.81	2.09
14.40	24.0	40.0	24.0	1.4	17.14	5.83
14.60	86.0	107.0	86.0	1.2667	67.89	1.47
14.80	83.0	102.0	83.0	2.2667	36.62	2.73
15.00	48.0	82.0	48.0	2.0	24.0	4.17
15.20	99.0	129.0	99.0	2.2667	43.68	2.29
15.40	100.0	134.0	100.0	2.5333	39.47	2.53
15.60	88.0	126.0	88.0	2.4	36.67	2.73
15.80	122.0	158.0	122.0	2.9333	41.59	2.4
16.00	102.0	146.0	102.0	3.4	30.0	3.33
16.20	134.0	185.0	134.0	3.2	41.88	2.39
16.40	138.0	186.0	138.0	2.4	57.5	1.74
16.60	154.0	190.0	154.0	3.6	42.78	2.34
16.80	124.0	178.0	124.0	2.8	44.29	2.26
17.00	122.0	164.0	122.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.20	9.0	0.4667	1.84	Coesivo	Limo argilloso soffice
0.80	10.3333	0.7111	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
1.00	6.0	0.8	1.84	Coesivo	Argilla torbosa plastica
1.20	14.0	0.6	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
1.40	43.0	1.1333	1.84	Incoerente	Sabbia argilloso-limosa
2.00	72.6667	1.3111	1.84	Incoerente	Sabbie limose
2.40	50.0	1.8334	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
2.60	41.0	3.1333	1.84	Coesivo	Argilla limosa molto consistente
3.00	102.5	1.7333	1.84	Incoerente	Sabbie limose
3.20	86.0	3.0667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
3.40	62.0	1.5333	1.84	Incoerente	Sabbia argilloso-limosa
3.60	142.0	2.0667	1.84	Incoerente	Sabbia
3.80	88.0	1.8667	1.84	Incoerente	Sabbie limose
4.00	34.0	1.2667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
5.00	21.4	0.88	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
5.40	39.0	0.6667	1.84	Incoerente	Sabbie limose
5.60	23.0	1.6	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
5.80	34.0	0.8	1.84	Incoerente	Sabbia argilloso-limosa
6.40	78.6667	1.6222	1.84	Incoerente	Sabbie limose
6.80	62.5	2.0	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
7.00	11.0	0.8667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
7.40	40.5	0.8334	1.84	Incoerente	Sabbie limose
8.00	11.0	0.5333	1.84	Coesivo	Limo argilloso soffice
8.20	17.0	0.6	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
8.60	38.5	0.7334	1.84	Incoerente	Sabbie limose
10.00	61.5714	1.3619	1.84	Incoerente	Sabbie limose
10.20	40.0	1.3333	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
10.60	16.0	1.1667	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
11.00	7.5	0.4334	1.84	Coesivo	Limo argilloso soffice
11.20	16.0	0.6	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
11.60	44.5	0.9334	1.84	Incoerente	Sabbie limose
11.80	97.0	1.2	1.84	Incoerente	Sabbia
12.80	84.0	1.96	1.84	Incoerente	Sabbia argilloso-limosa
13.00	62.0	2.0	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
13.40	17.0	0.9	1.84	Coesivo	Limo argilloso plastico
14.00	23.6667	0.8222	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
14.20	51.0	1.0667	1.84	Incoerente	Sabbie limose
14.40	24.0	1.4	1.84	Coesivo	Limo argilloso consistente
14.80	84.5	1.7667	1.84	Incoerente	Sabbie limose
15.00	48.0	2.0	1.84	Incoerente-Coesivo	Limo argilloso-sabbioso
15.60	95.6667	2.4	1.84	Incoerente	Sabbia argilloso-limosa
16.80	129.0	3.0556	1.84	Incoerente	Sabbia argilloso-limosa addensata

PROVA CPT 28 – Ostiglia – Località Ponte Molino

Prova eseguita in data

19/11/2008

Profondità prova

12,00 mt

Falda

Quota = 2,10 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	14.0	20.0	14.0	0.7333	19.09	5.24
0.40	12.0	23.0	12.0	0.8667	13.85	7.22
0.60	8.0	21.0	8.0	0.7333	10.91	9.17
0.80	12.0	23.0	12.0	0.6667	18.0	5.56
1.00	15.0	25.0	15.0	0.8	18.75	5.33
1.20	14.0	26.0	14.0	0.6667	21.0	4.76
1.40	26.0	36.0	26.0	1.0	26.0	3.85
1.60	22.0	37.0	22.0	1.2667	17.37	5.76
1.80	41.0	60.0	41.0	1.8667	21.96	4.55
2.00	32.0	60.0	32.0	1.7333	18.46	5.42
2.20	28.0	54.0	28.0	1.3333	21.0	4.76
2.40	34.0	54.0	34.0	1.8	18.89	5.29
2.60	32.0	59.0	32.0	2.0667	15.48	6.46
2.80	32.0	63.0	32.0	2.0	16.0	6.25
3.00	38.0	68.0	38.0	2.7333	13.9	7.19
3.20	35.0	76.0	35.0	2.6667	13.12	7.62
3.40	30.0	70.0	30.0	2.4	12.5	8.0
3.60	71.0	107.0	71.0	1.7333	40.96	2.44
3.80	82.0	108.0	82.0	2.8667	28.6	3.5
4.00	96.0	139.0	96.0	3.4667	27.69	3.61
4.20	191.0	243.0	191.0	3.1333	60.96	1.64
4.40	134.0	181.0	134.0	2.4	55.83	1.79
4.60	159.0	195.0	159.0	2.8	56.79	1.76
4.80	145.0	187.0	145.0	3.4	42.65	2.34
5.00	145.0	196.0	145.0	3.6667	39.55	2.53
5.20	138.0	193.0	138.0	2.2	62.73	1.59
5.40	143.0	176.0	143.0	3.0	47.67	2.1
5.60	114.0	159.0	114.0	2.8667	39.77	2.51
5.80	95.0	138.0	95.0	2.0	47.5	2.11
6.00	146.0	176.0	146.0	3.0	48.67	2.05
6.20	163.0	208.0	163.0	4.1333	39.44	2.54
6.40	142.0	204.0	142.0	3.6667	38.73	2.58
6.60	146.0	201.0	146.0	3.8	38.42	2.6
6.80	156.0	213.0	156.0	3.4	45.88	2.18
7.00	200.0	251.0	200.0	3.8	52.63	1.9
7.20	155.0	212.0	155.0	3.8	40.79	2.45
7.40	121.0	178.0	121.0	3.0	40.33	2.48
7.60	113.0	158.0	113.0	2.9333	38.52	2.6
7.80	112.0	156.0	112.0	2.4	46.67	2.14
8.00	100.0	136.0	100.0	2.5333	39.47	2.53
8.20	84.0	122.0	84.0	2.4667	34.05	2.94
8.40	62.0	99.0	62.0	1.9333	32.07	3.12
8.60	23.0	52.0	23.0	1.0667	21.56	4.64
8.80	36.0	52.0	36.0	1.4	25.71	3.89
9.00	20.0	41.0	20.0	0.7333	27.27	3.67
9.20	27.0	38.0	27.0	0.9333	28.93	3.46
9.40	20.0	34.0	20.0	1.0667	18.75	5.33
9.60	18.0	34.0	18.0	1.1333	15.88	6.3
9.80	18.0	35.0	18.0	0.8	22.5	4.44
10.00	17.0	29.0	17.0	0.8	21.25	4.71
10.20	17.0	29.0	17.0	0.8667	19.61	5.1
10.40	21.0	34.0	21.0	0.9333	22.5	4.44
10.60	69.0	83.0	69.0	1.6	43.13	2.32
10.80	55.0	79.0	55.0	1.8667	29.46	3.39
11.00	40.0	68.0	40.0	1.8	22.22	4.5
11.20	86.0	113.0	86.0	1.2667	67.89	1.47
11.40	106.0	125.0	106.0	2.1333	49.69	2.01
11.60	100.0	132.0	100.0	1.7333	57.69	1.73
11.80	112.0	138.0	112.0	1.4667	76.36	1.31
12.00	97.0	119.0	97.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.20	14.0	0.7333	1.91	Coesivo	Limo argilloso plastico
0.60	10.0	0.8	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
1.20	13.6667	0.7111	1.91	Coesivo	Limo argilloso plastico
1.40	26.0	1.0	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
1.80	31.5	1.5667	1.91	Coesivo	Limo argilloso consistente
2.20	30.0	1.5333	1.91	Coesivo	Limo argilloso consistente
2.80	32.6667	1.9556	1.91	Coesivo	Limo argilloso consistente
3.40	34.3333	2.6	1.91	Coesivo	Argilla limosa molto consistente
3.80	76.5	2.3	1.91	Incoerente	Sabbia argilloso-limosa
4.00	96.0	3.4667	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
5.40	150.7143	2.9429	1.91	Incoerente	Sabbia limosa addensata
5.80	104.5	2.4334	1.91	Incoerente	Sabbia argilloso-limosa
7.20	158.2857	3.6571	1.91	Incoerente	Sabbia argilloso-limosa addensata
8.00	111.5	2.7167	1.91	Incoerente	Sabbia argilloso-limosa addensata
8.40	73.0	2.2	1.91	Incoerente	Sabbia argilloso-limosa
8.60	23.0	1.0667	1.91	Coesivo	Limo argilloso plastico
9.20	27.6667	1.0222	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
10.20	18.0	0.9333	1.91	Coesivo	Limo argilloso plastico
10.40	21.0	0.9333	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
10.60	69.0	1.6	1.91	Incoerente	Sabbia argilloso-limosa
10.80	55.0	1.8667	1.91	Incoerente-Coesivo	Limo argilloso-sabbioso
11.00	40.0	1.8	1.91	Coesivo	Limo argilloso consistente
11.20	86.0	1.2667	1.91	Incoerente	Sabbia
11.80	106.0	1.7778	1.91	Incoerente	Sabbie limose

PROVA CPT 29 – Correggioli di Ostiglia

Prova eseguita in data
Profondità prova
Falda

17/02/2009
11,40 mt
Quota = 1,70 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	28.0	32.0	28.0	0.2667	104.99	0.95
0.40	30.0	34.0	30.0	0.2667	112.49	0.89
0.60	31.0	35.0	31.0	0.6667	46.5	2.15
0.80	27.0	37.0	27.0	0.7333	36.82	2.72
1.00	27.0	38.0	27.0	0.2667	101.24	0.99
1.20	14.0	18.0	14.0	0.7333	19.09	5.24
1.40	7.0	18.0	7.0	0.5333	13.13	7.62
1.60	7.0	15.0	7.0	0.3333	21.0	4.76
1.80	7.0	12.0	7.0	0.4667	15.0	6.67
2.00	7.0	14.0	7.0	0.3333	21.0	4.76
2.20	6.0	11.0	6.0	0.4	15.0	6.67
2.40	8.0	14.0	8.0	0.4667	17.14	5.83
2.60	10.0	17.0	10.0	0.6667	15.0	6.67
2.80	11.0	21.0	11.0	0.6667	16.5	6.06
3.00	14.0	24.0	14.0	0.5333	26.25	3.81
3.20	17.0	25.0	17.0	0.7333	23.18	4.31
3.40	14.0	25.0	14.0	0.6667	21.0	4.76
3.60	11.0	21.0	11.0	0.7333	15.0	6.67
3.80	14.0	25.0	14.0	1.2667	11.05	9.05
4.00	18.0	37.0	18.0	0.2667	67.49	1.48
4.20	50.0	54.0	50.0	1.0667	46.87	2.13
4.40	15.0	31.0	15.0	0.4	37.5	2.67
4.60	11.0	17.0	11.0	0.5333	20.63	4.85
4.80	12.0	20.0	12.0	0.5333	22.5	4.44
5.00	13.0	21.0	13.0	0.6667	19.5	5.13
5.20	13.0	23.0	13.0	0.8	16.25	6.15
5.40	19.0	31.0	19.0	0.8	23.75	4.21
5.60	17.0	29.0	17.0	0.7333	23.18	4.31
5.80	18.0	29.0	18.0	0.6667	27.0	3.7
6.00	16.0	26.0	16.0	0.8	20.0	5.0
6.20	14.0	26.0	14.0	0.6667	21.0	4.76
6.40	15.0	25.0	15.0	0.7333	20.46	4.89
6.60	17.0	28.0	17.0	0.9333	18.21	5.49
6.80	17.0	31.0	17.0	0.7333	23.18	4.31
7.00	15.0	26.0	15.0	0.8	18.75	5.33
7.20	14.0	26.0	14.0	0.7333	19.09	5.24
7.40	13.0	24.0	13.0	0.7333	17.73	5.64
7.60	15.0	26.0	15.0	0.9333	16.07	6.22
7.80	15.0	29.0	15.0	0.7333	20.46	4.89
8.00	12.0	23.0	12.0	0.6667	18.0	5.56
8.20	13.0	23.0	13.0	0.8667	15.0	6.67
8.40	15.0	28.0	15.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.60	29.6667	0.4	2.03	Incoerente	Sabbia
1.00	27.0	0.5	2.03	Incoerente	Sabbie limose
1.20	14.0	0.7333	2.03	Coesivo	Limo argilloso plastico
2.40	7.0	0.4222	2.03	Coesivo	Limo argilloso soffice
2.60	10.0	0.6667	2.03	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
2.80	11.0	0.6667	2.03	Coesivo	Limo argilloso plastico
3.20	15.5	0.6333	2.03	Incoerente-Coesivo	Limo argilloso-sabbioso
3.40	14.0	0.6667	2.03	Coesivo	Limo argilloso plastico
3.60	11.0	0.7333	2.03	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
3.80	14.0	1.2667	2.03	Coesivo	Argille plastiche
4.00	18.0	0.2667	2.03	Incoerente	Sabbia
4.20	50.0	1.0667	2.03	Incoerente	Sabbie limose
4.40	15.0	0.4	2.03	Incoerente	Sabbia argilloso-limosa
5.20	12.25	0.6333	2.03	Coesivo	Limo argilloso plastico
5.80	18.0	0.7333	2.03	Incoerente-Coesivo	Limo argilloso-sabbioso
6.60	15.5	0.7833	2.03	Coesivo	Limo argilloso plastico
6.80	17.0	0.7333	2.03	Incoerente-Coesivo	Limo argilloso-sabbioso
7.40	14.0	0.7555	2.03	Coesivo	Limo argilloso plastico
7.80	15.0	0.8333	2.03	Coesivo	Limo argilloso plastico
8.20	12.5	0.7667	2.03	Coesivo	Limo argilloso plastico

PROVA CPT 30 – Ostiglia – Località Bugno San Romano

Prova eseguita in data

10/07/2009

Profondità prova

12,00 mt

Falda

Quota = 1,50 mt

TABELLA DEI VALORI DI RESISTENZA

Profondità (m)	Lettura punta (Kg/cm ²)	Lettura laterale (Kg/cm ²)	qc (Kg/cm ²)	fs (Kg/cm ²)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	30.0	36.0	30.0	0.5333	56.25	1.78
0.40	40.0	48.0	40.0	0.8	50.0	2.0
0.60	33.0	45.0	33.0	1.0	33.0	3.03
0.80	28.0	43.0	28.0	0.9333	30.0	3.33
1.00	12.0	26.0	12.0	0.4667	25.71	3.89
1.20	13.0	20.0	13.0	0.5333	24.38	4.1
1.40	12.0	20.0	12.0	0.5333	22.5	4.44
1.60	9.0	17.0	9.0	0.6	15.0	6.67
1.80	10.0	19.0	10.0	0.2667	37.5	2.67
2.00	8.0	12.0	8.0	0.4	20.0	5.0
2.20	9.0	15.0	9.0	0.2	45.0	2.22
2.40	15.0	18.0	15.0	0.7333	20.46	4.89
2.60	13.0	24.0	13.0	0.7333	17.73	5.64
2.80	13.0	24.0	13.0	0.6667	19.5	5.13
3.00	20.0	30.0	20.0	0.7333	27.27	3.67
3.20	18.0	29.0	18.0	0.8	22.5	4.44
3.40	16.0	28.0	16.0	0.8667	18.46	5.42
3.60	16.0	29.0	16.0	0.8667	18.46	5.42
3.80	17.0	30.0	17.0	0.8667	19.61	5.1
4.00	19.0	32.0	19.0	0.7333	25.91	3.86
4.20	21.0	32.0	21.0	1.0667	19.69	5.08
4.40	18.0	34.0	18.0	0.7333	24.55	4.07
4.60	14.0	25.0	14.0	0.8	17.5	5.71
4.80	11.0	23.0	11.0	0.5333	20.63	4.85
5.00	9.0	17.0	9.0	0.5333	16.88	5.93
5.20	10.0	18.0	10.0	0.6667	15.0	6.67
5.40	17.0	27.0	17.0	1.2	14.17	7.06
5.60	37.0	55.0	37.0	2.0667	17.9	5.59
5.80	34.0	65.0	34.0	1.8667	18.21	5.49
6.00	35.0	63.0	35.0	2.2667	15.44	6.48
6.20	57.0	91.0	57.0	1.6667	34.2	2.92
6.40	83.0	108.0	83.0	2.0667	40.16	2.49
6.60	72.0	103.0	72.0	2.2667	31.76	3.15
6.80	117.0	151.0	117.0	3.7333	31.34	3.19
7.00	71.0	127.0	71.0	3.1333	22.66	4.41
7.20	64.0	111.0	64.0	2.2667	28.23	3.54
7.40	45.0	79.0	45.0	2.0	22.5	4.44
7.60	47.0	77.0	47.0	1.7333	27.12	3.69
7.80	42.0	68.0	42.0	1.5333	27.39	3.65
8.00	44.0	67.0	44.0	1.6	27.5	3.64
8.20	41.0	65.0	41.0	1.2	34.17	2.93
8.40	26.0	44.0	26.0	1.4667	17.73	5.64
8.60	18.0	40.0	18.0	1.0667	16.87	5.93
8.80	31.0	47.0	31.0	1.2	25.83	3.87
9.00	27.0	45.0	27.0	1.6	16.88	5.93
9.20	46.0	70.0	46.0	1.4	32.86	3.04
9.40	28.0	49.0	28.0	1.3333	21.0	4.76
9.60	68.0	88.0	68.0	1.3333	51.0	1.96
9.80	26.0	46.0	26.0	1.2	21.67	4.62
10.00	17.0	35.0	17.0	1.1333	15.0	6.67
10.20	24.0	41.0	24.0	1.0	24.0	4.17
10.40	76.0	91.0	76.0	1.6	47.5	2.11
10.60	83.0	107.0	83.0	2.8	29.64	3.37
10.80	85.0	127.0	85.0	2.7333	31.1	3.22
11.00	86.0	127.0	86.0	2.5333	33.95	2.95
11.20	86.0	124.0	86.0	3.4667	24.81	4.03
11.40	82.0	134.0	82.0	1.9333	42.41	2.36
11.60	98.0	127.0	98.0	1.1333	86.47	1.16
11.80	77.0	94.0	77.0	2.4667	31.22	3.2
12.00	98.0	135.0	98.0	0.0		0.0

TABELLA DI INTERPRETAZIONE LITOLOGICA

Prof. Strato (m)	qc Media (Kg/cm ²)	fs Media (Kg/cm ²)	Gamma Medio (t/m ³)	Comp. Geotecnico	Descrizione
0.60	34.3333	0.7778	2.04	Incoerente	Sabbie limose
0.80	28.0	0.9333	2.04	Incoerente-Coesivo	Limo argilloso-sabbioso
1.40	12.3333	0.5111	2.04	Incoerente-Coesivo	Limo argilloso-sabbioso
2.20	9.0	0.3667	2.04	Incoerente-Coesivo	Limo argilloso-sabbioso
2.80	13.6667	0.7111	2.04	Coesivo	Limo argilloso plastico
3.20	19.0	0.7667	2.04	Incoerente-Coesivo	Limo argilloso-sabbioso
3.80	16.3333	0.8667	2.04	Coesivo	Limo argilloso plastico
4.40	19.3333	0.8444	2.04	Incoerente-Coesivo	Limo argilloso-sabbioso
4.60	14.0	0.8	2.04	Coesivo	Limo argilloso plastico
5.20	10.0	0.5778	2.04	Coesivo	Limo argilloso soffice
5.40	17.0	1.2	2.04	Incoerente-Coesivo	Limo argilloso-sabbioso molto addensato
6.00	35.3333	2.0667	2.04	Coesivo	Limo argilloso consistente
6.20	57.0	1.6667	2.04	Incoerente	Sabbia argilloso-limosa
7.00	85.75	2.8	2.04	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
7.20	64.0	2.2667	2.04	Incoerente-Coesivo	Limo argilloso-sabbioso
8.00	44.5	1.7167	2.04	Incoerente-Coesivo	Limo argilloso-sabbioso
8.20	41.0	1.2	2.04	Incoerente	Sabbia argilloso-limosa
8.40	26.0	1.4667	2.04	Coesivo	Limo argilloso consistente
8.60	18.0	1.0667	2.04	Coesivo	Limo argilloso plastico
9.00	29.0	1.4	2.04	Coesivo	Limo argilloso consistente
9.20	46.0	1.4	2.04	Incoerente	Sabbia argilloso-limosa
9.40	28.0	1.3333	2.04	Coesivo	Limo argilloso consistente
9.60	68.0	1.3333	2.04	Incoerente	Sabbie limose
9.80	26.0	1.2	2.04	Coesivo	Limo argilloso consistente
10.20	20.5	1.0667	2.04	Coesivo	Limo argilloso plastico
10.40	76.0	1.6	2.04	Incoerente	Sabbie limose
10.80	84.0	2.7667	2.04	Incoerente-Coesivo	Limo argilloso-sabbioso addensato
11.60	88.0	2.2667	2.04	Incoerente	Sabbia argilloso-limosa
11.80	77.0	2.4667	2.04	Incoerente-Coesivo	Limo argilloso-sabbioso