

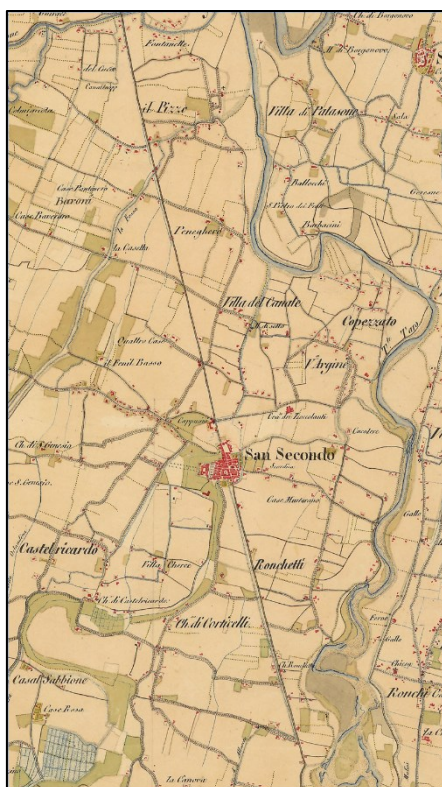


Comune di San Secondo Parmense
Provincia di Parma

PUG

Piano Urbanistico Generale

REPORT PROVE PENETROMETRICHE



Febbraio 2026

Assunzione

Adozione

Approvazione

PROVA PENETROMETRICA STATICA n. 1

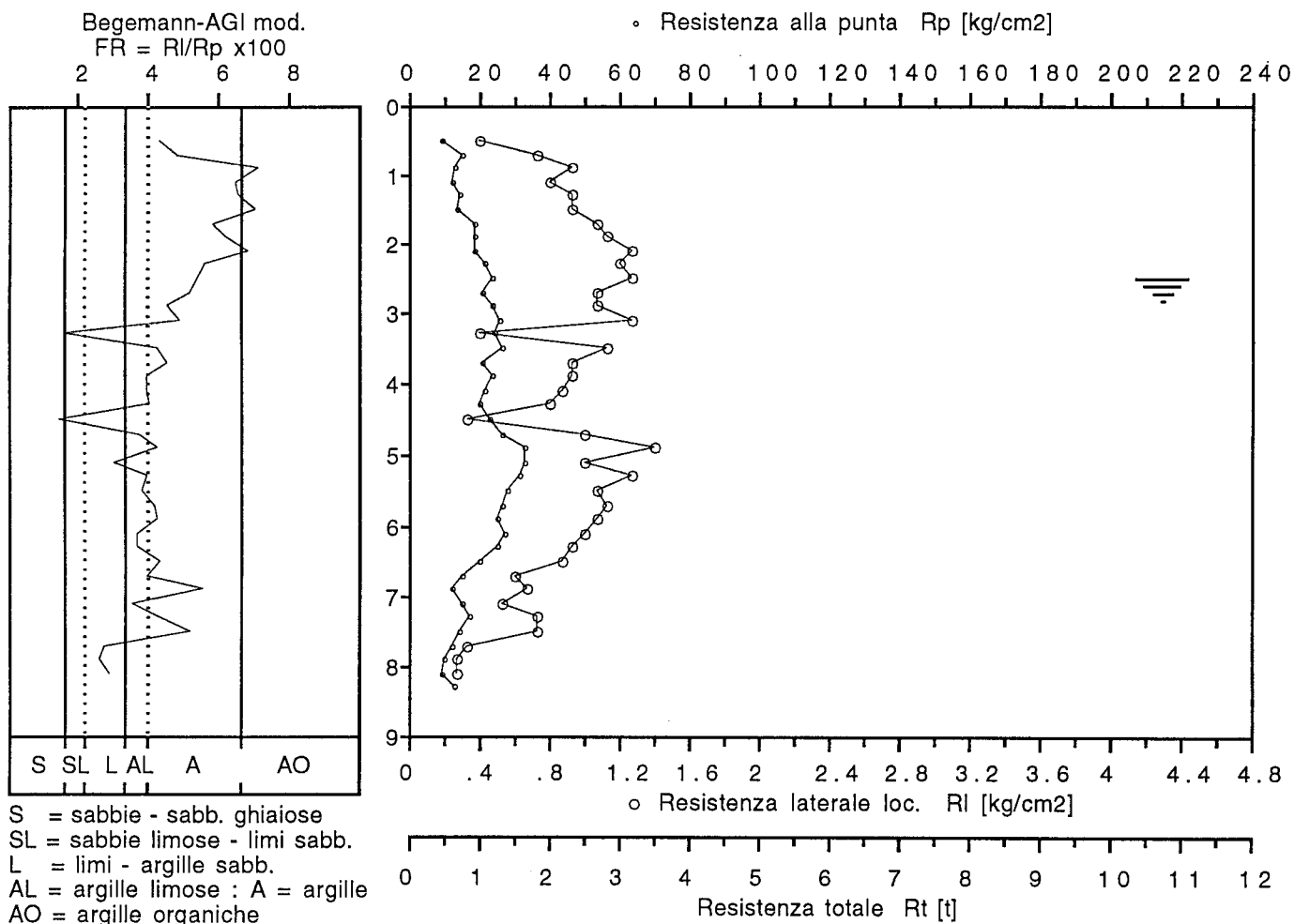
Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 27/06/1995

progr.: CPT-4.0/S

C001



PROVA PENETROMETRICA STATICA n. 1

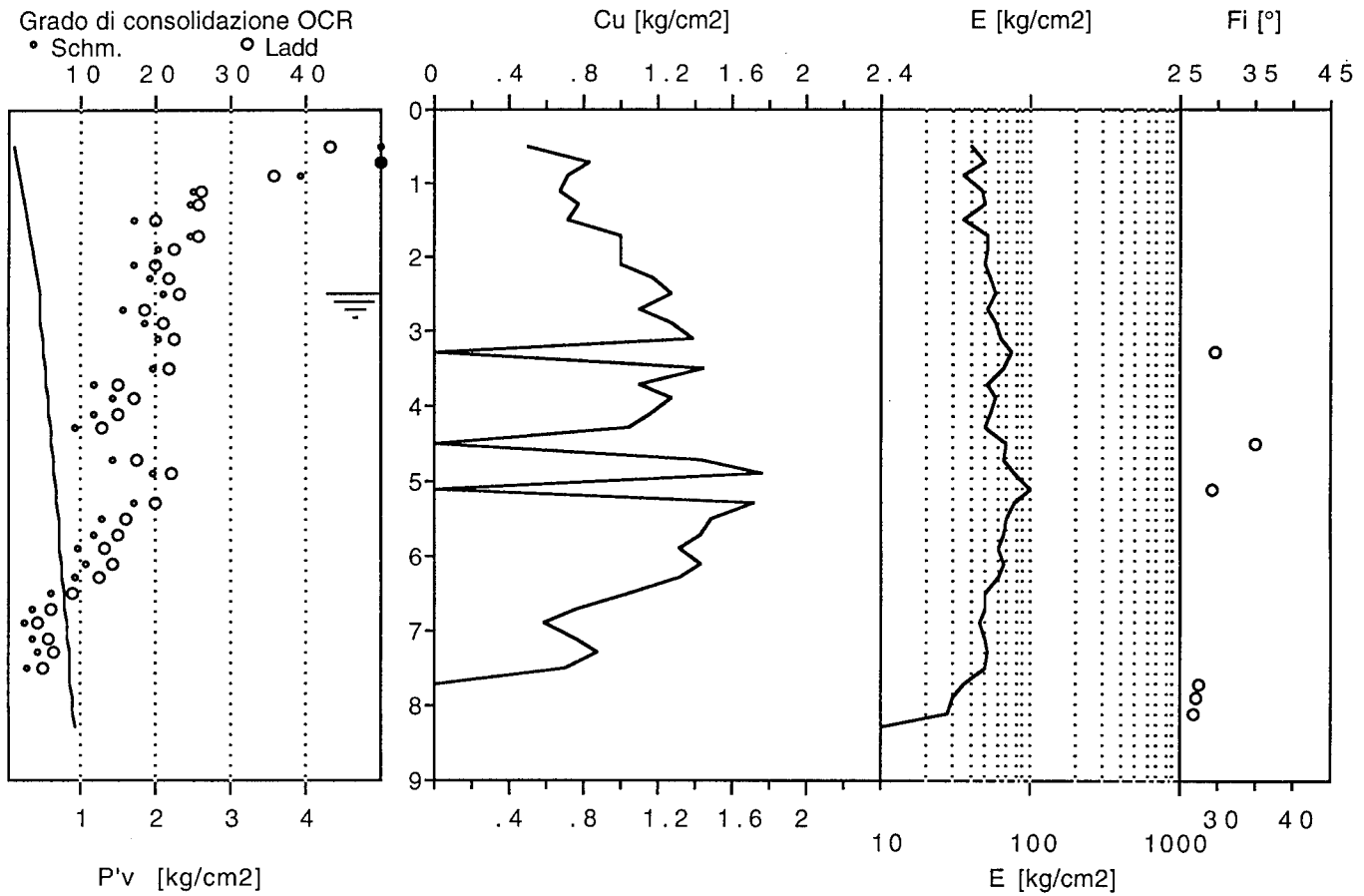
Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 27/06/1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Impresa esecutrice :

Data : 27/06/1995

progr.: CPT-4.0/S

PROVA CPT n. : 1

Parametri penetrometrici

Rp = resistenza alla punta [kg/cm2]
 RI = resistenza lat. locale [kg/cm2]
 FR = RI/Rp x 100 [-]
 Rt = resistenza totale [kgf]

Quota p.c.: m

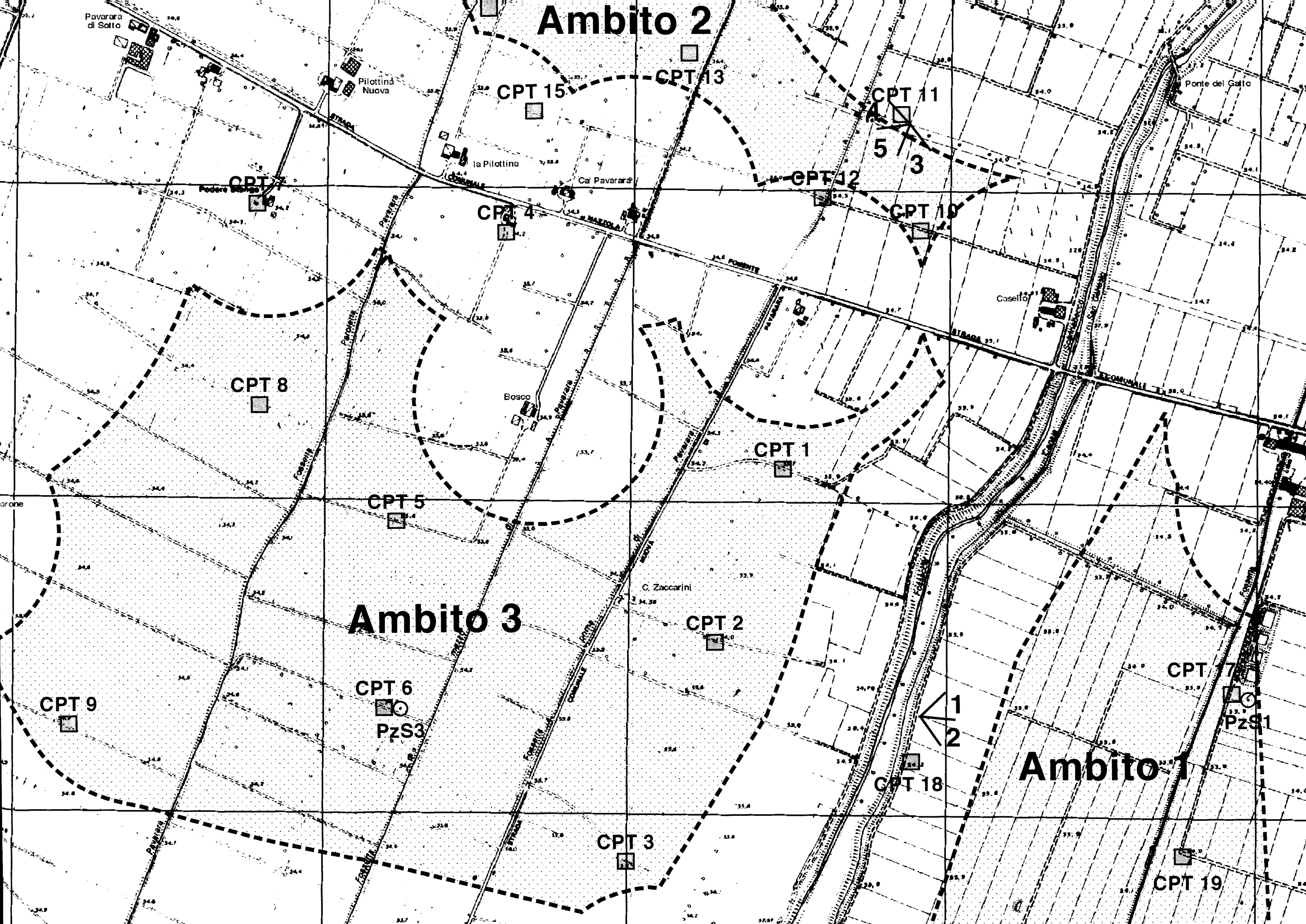
Falda a m -2.5 dal p.c.

z = prof. max. del tratto esplorato dalla base penetr.

Parametri geotecnici stimati

g = Peso di volume [t/m3]
 P'v = Press. vert. efficace [kg/cm2]
 u = Press. neutra [kg/cm2]
 E = Modulo di deform. [kg/cm2]
 OCR = Grado di sovracons. [-]
 Cu = Coesione non drenata [kg/cm2]
 Fi = Angolo di attrito [gradi]
 Gmax = Modulo di taglio din. [kg/cm2]

z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	0.5	-	-	-	-	-	-	-	-	-	-	-
0.6	9.1	0.4	4.4	-	1.77	0.11	0.00	40	> 50	0.50	0.0	-	ARGILLA
0.8	15.1	0.7	4.8	-	1.79	0.14	0.00	51	> 50	0.83	0.0	-	ARGILLA
1.0	13.1	0.9	7.1	-	1.79	0.18	0.00	36	39.2	0.72	0.0	-	ARG. ORG.
1.2	12.3	0.8	6.5	-	1.78	0.21	0.00	47	24.8	0.67	0.0	-	ARGILLA
1.4	14.3	0.9	6.5	-	1.79	0.25	0.00	50	24.7	0.78	0.0	-	ARGILLA
1.6	13.3	0.9	7.0	-	1.79	0.29	0.00	36	17.1	0.72	0.0	-	ARG. ORG.
1.8	18.3	1.1	5.8	-	1.81	0.32	0.00	51	24.5	1.00	0.0	-	ARGILLA
2.0	18.3	1.1	6.2	-	1.81	0.36	0.00	51	20.3	0.99	0.0	-	ARGILLA
2.2	18.4	1.3	6.9	-	1.81	0.39	0.00	51	17.3	1.00	0.0	-	ARG. ORG.
2.4	21.4	1.2	5.6	-	1.82	0.43	0.00	53	19.3	1.16	0.0	-	ARGILLA
2.6	23.4	1.3	5.4	-	1.82	0.45	0.01	58	21.2	1.27	0.0	-	ARGILLA
2.8	20.4	1.1	5.2	-	1.81	0.46	0.03	51	15.6	1.11	0.0	-	ARGILLA
3.0	23.4	1.1	4.6	-	1.82	0.48	0.05	58	18.6	1.27	0.0	-	ARGILLA
3.2	25.5	1.3	5.0	-	1.83	0.50	0.07	63	20.5	1.39	0.0	-	ARGILLA
3.4	24.5	0.4	1.6	-	1.83	0.51	0.09	74	-	0.00	29.8	-	SABBIA
3.6	26.5	1.1	4.3	-	1.84	0.53	0.11	65	19.5	1.44	0.0	-	ARGILLA
3.8	20.5	0.9	4.5	-	1.81	0.55	0.13	51	11.8	1.10	0.0	-	ARGILLA
4.0	23.5	0.9	4.0	-	1.82	0.56	0.15	58	14.1	1.27	0.0	-	ARG. LIM.
4.2	21.7	0.9	4.0	-	1.82	0.58	0.17	54	11.6	1.16	0.0	-	ARGILLA
4.4	19.7	0.8	4.1	-	1.81	0.60	0.19	50	9.4	1.05	0.0	-	ARGILLA
4.6	22.7	0.3	1.5	-	1.82	0.61	0.21	68	-	0.00	34.9	336	SABBIA
4.8	26.7	1.0	3.8	-	1.84	0.63	0.23	65	14.4	1.43	0.0	-	ARG. LIM.
5.0	32.7	1.4	4.3	-	1.86	0.65	0.25	79	19.7	1.76	0.0	-	ARGILLA
5.2	32.8	1.0	3.1	-	1.86	0.66	0.27	98	-	0.00	29.2	-	LIMO-ARG.S
5.4	31.8	1.3	4.0	-	1.85	0.68	0.29	77	17.1	1.71	0.0	-	ARG. LIM.
5.6	27.8	1.1	3.8	-	1.84	0.70	0.31	68	12.9	1.49	0.0	-	ARG. LIM.
5.8	26.8	1.1	4.2	-	1.84	0.71	0.33	66	11.6	1.43	0.0	-	ARGILLA
6.0	24.8	1.1	4.3	-	1.83	0.73	0.35	61	9.8	1.32	0.0	-	ARGILLA
6.2	26.9	1.0	3.7	-	1.84	0.75	0.37	66	10.8	1.43	0.0	-	ARG. LIM.
6.4	24.9	0.9	3.7	-	1.83	0.76	0.39	61	9.1	1.32	0.0	-	ARG. LIM.
6.6	19.9	0.9	4.4	-	1.81	0.78	0.41	50	6.1	1.04	0.0	-	ARGILLA
6.8	14.9	0.6	4.0	-	1.79	0.80	0.43	51	3.7	0.76	0.0	-	ARGILLA
7.0	11.9	0.7	5.6	-	1.78	0.81	0.45	47	2.6	0.59	0.0	-	ARGILLA
7.2	15.0	0.5	3.5	-	1.79	0.83	0.47	51	3.5	0.76	0.0	-	ARG. LIM.
7.4	17.0	0.7	4.3	-	1.80	0.84	0.49	51	4.2	0.87	0.0	-	ARGILLA
7.6	14.0	0.7	5.2	-	1.79	0.86	0.51	50	3.0	0.70	0.0	-	ARGILLA
7.8	12.0	0.3	2.8	-	1.78	0.87	0.53	36	-	0.00	27.3	-	LIMO-ARG.S
8.0	10.0	0.3	2.7	-	1.78	0.89	0.55	30	-	0.00	27.3	-	LIMO-ARG.S
8.2	9.2	0.3	2.9	-	1.77	0.91	0.57	28	-	0.00	26.9	-	LIMO-ARG.S
8.4	13.2	1.0	7.6	-	1.79	0.92	0.59	36	2.5	0.65	0.0	-	ARG. ORG.



PROVA PENETROMETRICA STATICA n. 2

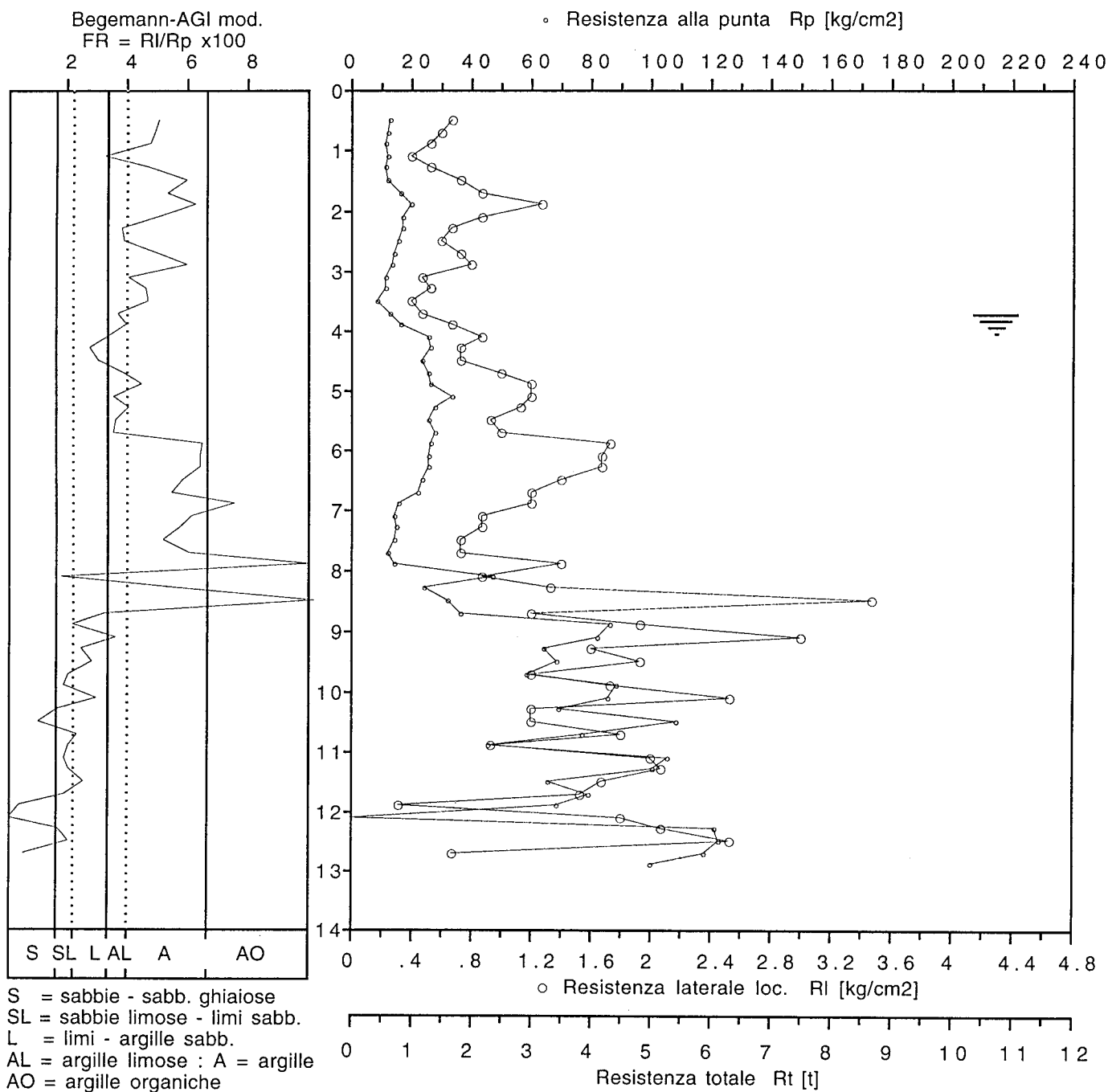
Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 27/06/1995

6002

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA n. 2

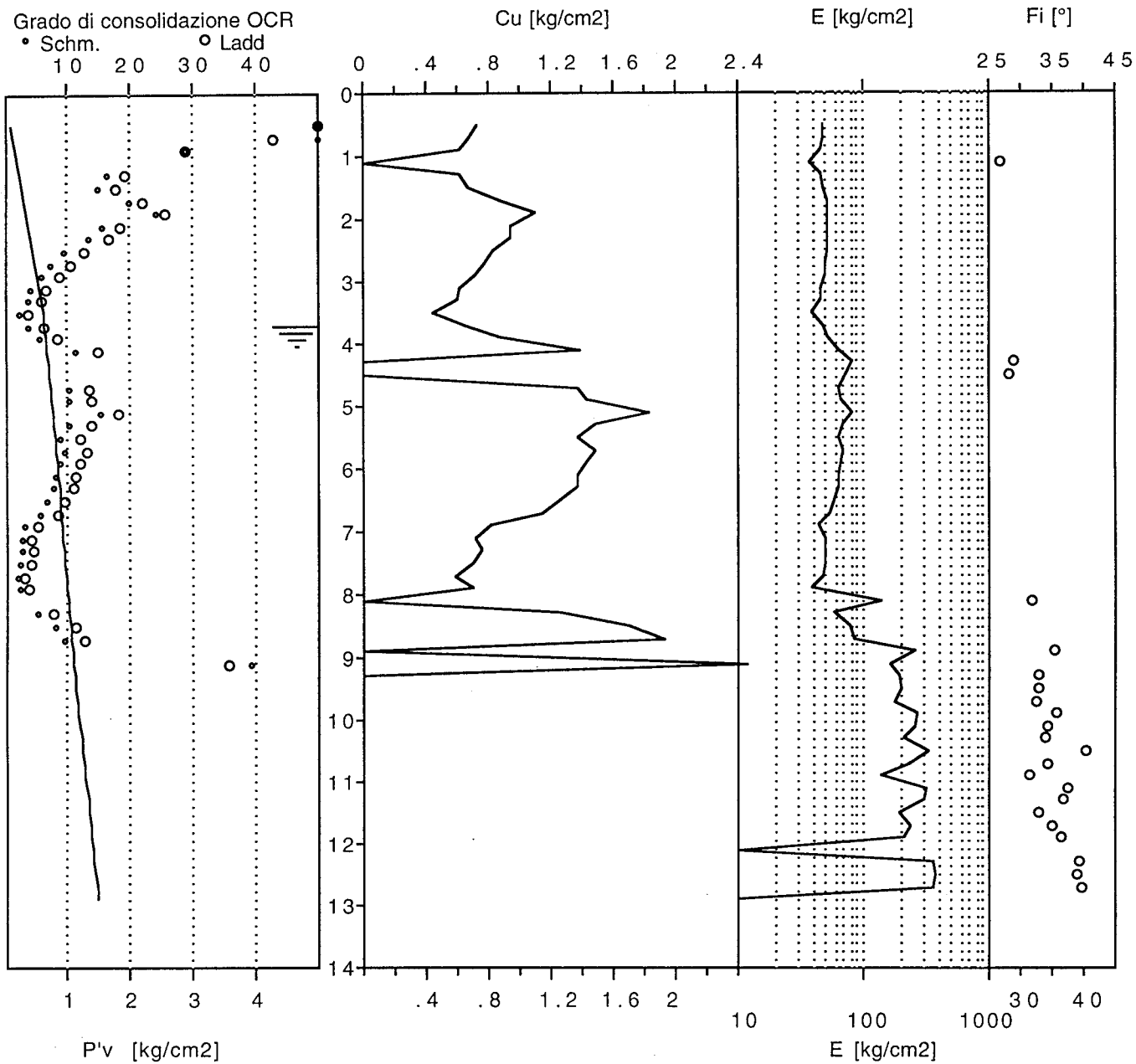
Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 27/06/1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Impresa esecutrice :

Data : 27/06/1995

progr.: CPT-4.0/S

PROVA CPT n. : 2

Parametri penetrometrici

Rp = resistenza alla punta [kg/cm2]
 RI = resistenza lat. locale [kg/cm2]
 FR = RI/Rp x 100 [-]
 Rt = resistenza totale [kgf]

Quota p.c.: m

Falda a m -3.7 dal p.c.

z = prof. max. del tratto esplorato dalla base penetr.

Parametri geotecnici stimati

g = Peso di volume [t/m3]
 P'v = Press. vert. efficace [kg/cm2]
 u = Press. neutra [kg/cm2]
 E = Modulo di deform. [kg/cm2]
 OCR = Grado di sovracons. [-]
 Cu = Coesione non drenata [kg/cm2]
 Fi = Angolo di attrito [gradi]
 Gmax = Modulo di taglio din. [kg/cm2]

z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	1.5	-	-	-	-	-	-	-	-	-	-	-
0.6	13.1	0.7	5.1	-	1.79	0.11	0.00	49	> 50	0.72	0.0	-	ARGILLA
0.8	12.1	0.6	4.9	-	1.78	0.14	0.00	47	> 50	0.67	0.0	-	ARGILLA
1.0	11.1	0.5	4.8	-	1.78	0.18	0.00	45	29.0	0.61	0.0	-	ARGILLA
1.2	12.3	0.4	3.3	-	1.78	0.21	0.00	37	-	0.00	26.9	-	LIMO-ARG.S
1.4	11.3	0.5	4.7	-	1.78	0.25	0.00	45	16.3	0.61	0.0	-	ARGILLA
1.6	12.3	0.7	6.0	-	1.78	0.29	0.00	47	14.9	0.67	0.0	-	ARGILLA
1.8	16.3	0.9	5.3	-	1.80	0.32	0.00	51	20.0	0.89	0.0	-	ARGILLA
2.0	20.3	1.3	6.3	-	1.81	0.36	0.00	51	24.4	1.11	0.0	-	ARGILLA
2.2	17.4	0.9	5.0	-	1.80	0.39	0.00	51	15.7	0.94	0.0	-	ARGILLA
2.4	17.4	0.7	3.8	-	1.80	0.43	0.00	51	13.5	0.94	0.0	-	ARG.LIM.
2.6	15.4	0.6	3.9	-	1.80	0.47	0.00	51	9.6	0.83	0.0	-	ARG.LIM.
2.8	14.4	0.7	5.1	-	1.79	0.50	0.00	50	7.6	0.77	0.0	-	ARGILLA
3.0	13.4	0.8	6.0	-	1.79	0.54	0.00	49	6.0	0.71	0.0	-	ARGILLA
3.2	11.5	0.5	4.1	-	1.78	0.57	0.00	46	4.3	0.61	0.0	-	ARGILLA
3.4	11.5	0.5	4.6	-	1.78	0.61	0.00	46	3.9	0.61	0.0	-	ARGILLA
3.6	8.5	0.4	4.7	-	1.77	0.64	0.00	38	2.4	0.44	0.0	-	ARGILLA
3.8	12.5	0.5	3.7	-	1.79	0.66	0.01	48	3.9	0.66	0.0	-	ARG.LIM.
4.0	16.5	0.7	4.0	-	1.80	0.68	0.03	51	5.8	0.88	0.0	-	ARGILLA
4.2	25.7	0.9	3.4	-	1.83	0.69	0.05	63	11.6	1.38	0.0	-	ARG.LIM.
4.4	26.7	0.7	2.8	-	1.84	0.71	0.07	80	-	0.00	28.8	-	LIMO-ARG.S
4.6	23.7	0.7	3.1	-	1.83	0.73	0.09	71	-	0.00	28.2	-	LIMO-ARG.S
4.8	25.7	1.0	3.9	-	1.83	0.74	0.11	63	10.2	1.38	0.0	-	ARG.LIM.
5.0	26.7	1.2	4.5	-	1.84	0.76	0.13	65	10.5	1.43	0.0	-	ARGILLA
5.2	33.8	1.2	3.6	-	1.86	0.78	0.15	81	15.2	1.83	0.0	-	ARG.LIM.
5.4	27.8	1.1	4.1	-	1.84	0.79	0.17	68	10.4	1.49	0.0	-	ARGILLA
5.6	25.8	0.9	3.6	-	1.83	0.81	0.19	63	8.9	1.38	0.0	-	ARG.LIM.
5.8	27.8	1.0	3.6	-	1.84	0.83	0.21	68	9.7	1.49	0.0	-	ARG.LIM.
6.0	26.8	1.7	6.5	-	1.84	0.84	0.23	66	8.8	1.43	0.0	-	ARGILLA
6.2	25.9	1.7	6.4	-	1.83	0.86	0.25	64	8.1	1.38	0.0	-	ARGILLA
6.4	25.9	1.7	6.4	-	1.83	0.88	0.27	64	7.8	1.38	0.0	-	ARGILLA
6.6	23.9	1.4	5.9	-	1.83	0.89	0.29	59	6.6	1.26	0.0	-	ARGILLA
6.8	21.9	1.2	5.5	-	1.82	0.91	0.31	55	5.6	1.15	0.0	-	ARGILLA
7.0	15.9	1.2	7.5	-	1.80	0.93	0.33	44	3.3	0.81	0.0	-	ARG.ORG.
7.2	14.0	0.9	6.2	-	1.79	0.94	0.35	50	2.7	0.71	0.0	-	ARGILLA
7.4	15.0	0.9	5.8	-	1.79	0.96	0.37	51	2.9	0.76	0.0	-	ARGILLA
7.6	14.0	0.7	5.2	-	1.79	0.97	0.39	50	2.6	0.70	0.0	-	ARGILLA
7.8	12.0	0.7	6.1	-	1.78	0.99	0.41	47	2.0	0.59	0.0	-	ARGILLA
8.0	14.0	1.4	10.0	-	1.79	1.00	0.43	39	2.4	0.70	0.0	-	ARG.ORG.
8.2	47.2	0.9	1.8	-	1.91	1.02	0.45	142	-	0.00	31.8	-	SABBIA LIM.
8.4	24.2	1.3	5.5	-	1.83	1.04	0.47	60	5.2	1.26	0.0	-	ARGILLA

8.6	32.2	3.5	10.8	-	1.86	1.06	0.49	78	8.1	1.70	0.0	-	ARG. ORG.
8.8	36.2	1.2	3.3	-	1.87	1.07	0.51	86	9.6	1.92	0.0	-	ARG.LIM.
9.0	86.2	1.9	2.2	-	2.05	1.10	0.53	259	-	0.00	35.3	-	LIMO-ARG.S
9.2	82.3	3.0	3.6	-	2.04	1.12	0.55	165	39.2	4.48	0.0	-	ARG.LIM.
9.4	64.3	1.6	2.5	-	1.97	1.14	0.57	193	-	0.00	32.8	-	LIMO-ARG.S
9.6	68.3	1.9	2.8	-	1.99	1.15	0.59	205	-	0.00	32.9	-	LIMO-ARG.S
9.8	58.3	1.2	2.1	-	1.95	1.17	0.61	175	-	0.00	32.7	-	LIMO SABB.
10.0	88.3	1.7	2.0	-	2.06	1.20	0.63	265	-	0.00	35.7	-	LIMO SABB.
10.2	85.4	2.5	3.0	-	2.05	1.22	0.65	256	-	0.00	34.5	-	LIMO-ARG.S
10.4	69.4	1.2	1.7	-	1.99	1.24	0.67	208	-	0.00	34.1	-	SABBIA LIM.
10.6	108.4	1.2	1.1	-	2.13	1.26	0.69	325	-	0.00	40.4	874	SABBIA
10.8	77.4	1.8	2.3	-	2.02	1.28	0.71	232	-	0.00	34.3	-	LIMO-ARG.S
11.0	45.4	0.9	2.1	-	1.90	1.30	0.73	136	-	0.00	31.4	-	LIMO SABB.
11.2	105.6	2.0	1.9	-	2.12	1.32	0.75	317	-	0.00	37.5	-	SABBIA LIM.
11.4	100.6	2.1	2.1	-	2.10	1.34	0.77	302	-	0.00	36.9	-	LIMO SABB.
11.6	65.6	1.7	2.5	-	1.98	1.36	0.79	197	-	0.00	32.9	-	LIMO-ARG.S
11.8	79.6	1.5	1.9	-	2.03	1.38	0.81	239	-	0.00	34.9	-	LIMO SABB.
12.0	68.6	0.3	0.5	-	1.99	1.40	0.83	206	-	0.00	36.6	660	SABBIA
12.2	-	1.8	-	-	1.90	1.42	0.85	-	-	-	-	-	-
12.4	121.7	2.1	1.7	-	2.18	1.44	0.87	365	-	0.00	39.3	-	SABBIA LIM.
12.6	122.7	2.5	2.1	-	2.18	1.47	0.89	368	-	0.00	39.1	-	LIMO SABB.
12.8	117.7	0.7	0.6	-	2.16	1.49	0.91	353	-	0.00	39.8	918	SABBIA
13.0	99.7	-	-	-	2.10	1.51	0.93	299	-	-	-	-	-

Ambito 2

SS.9

CPT 15

la Pilottina

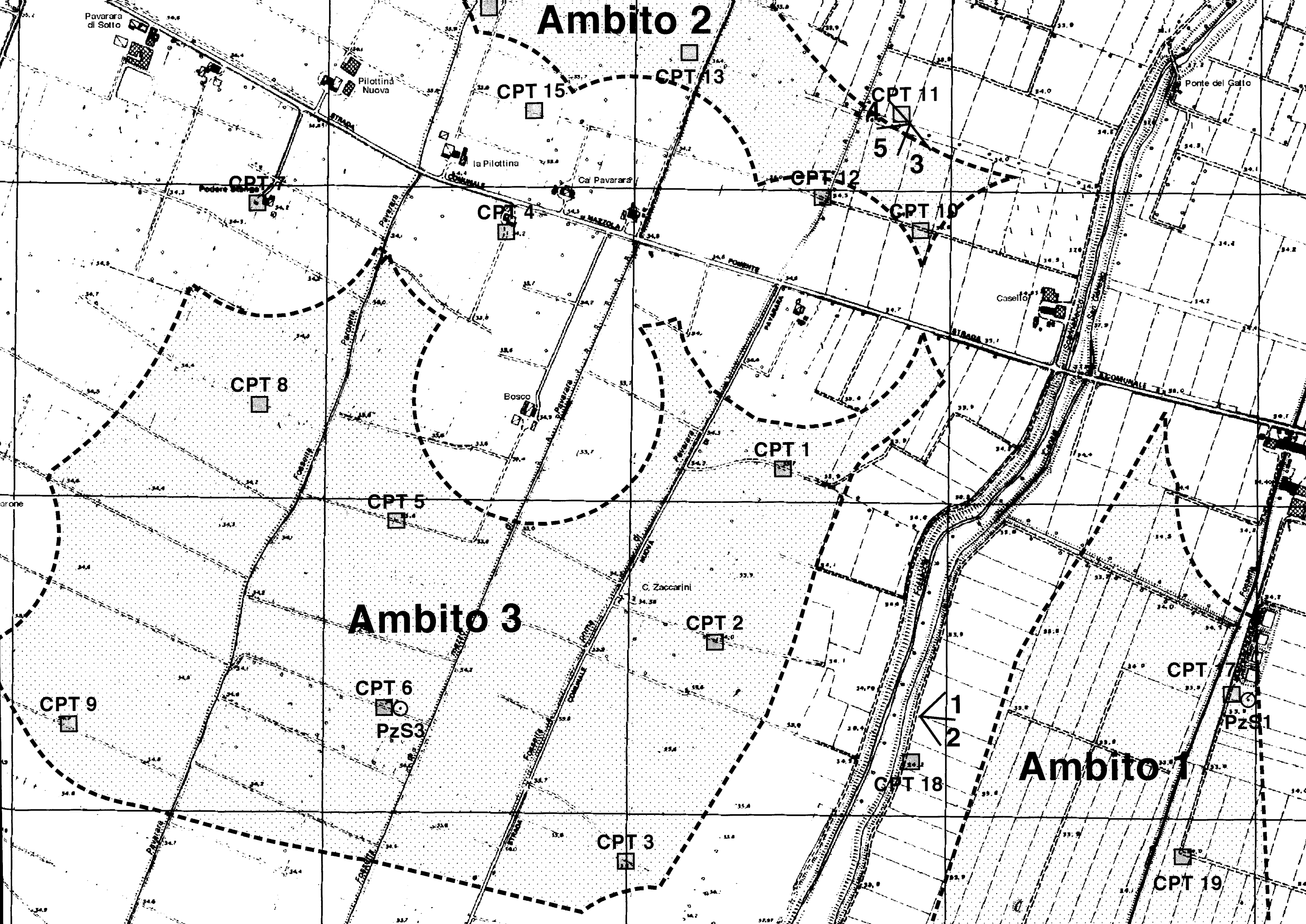
Cal Pavarara

CPT 13

CPT 1

Ambito 1

CPT 18



PROVA PENETROMETRICA STATICA n. 3

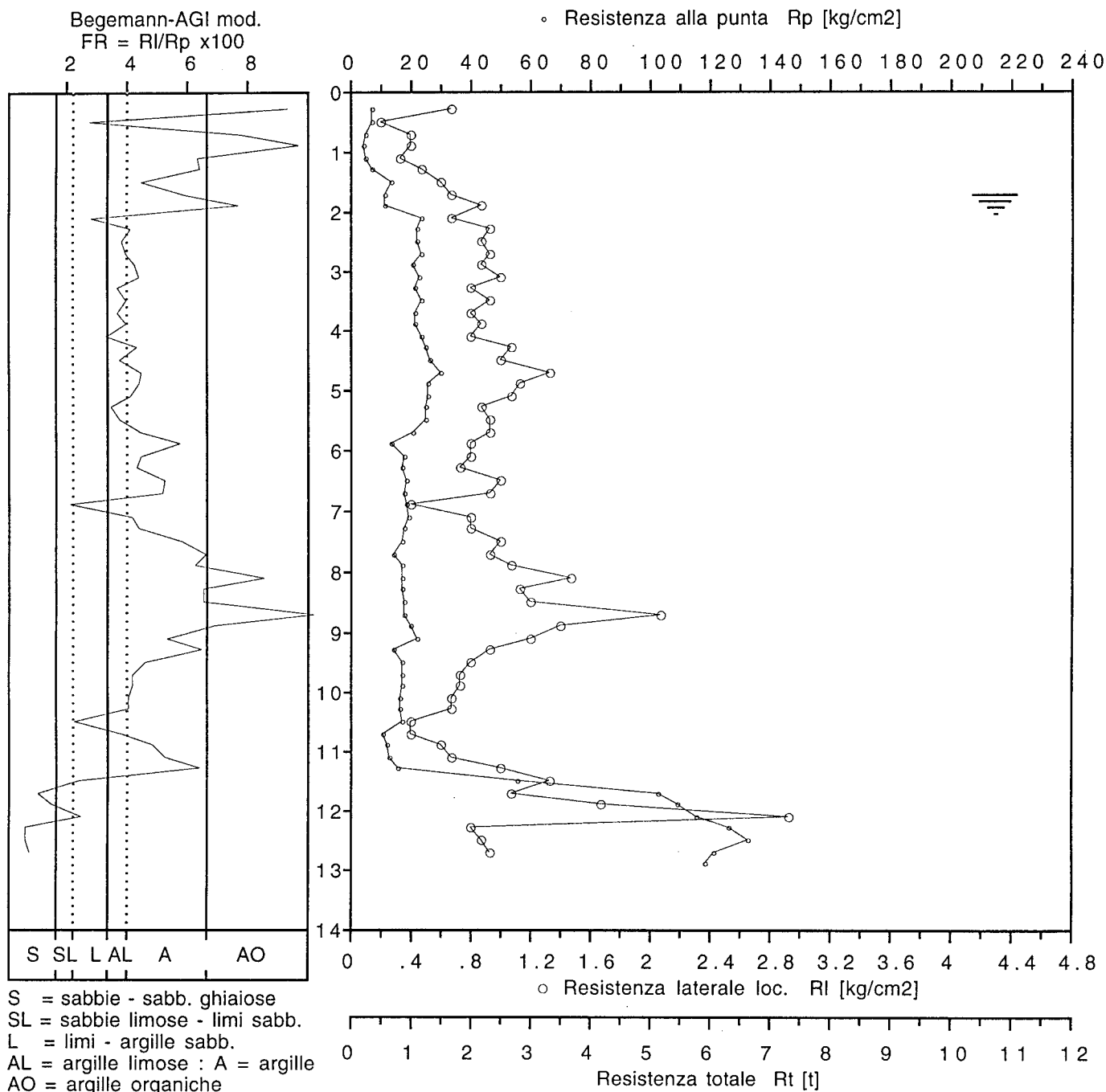
6003

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 27/06/1995

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA n. 3

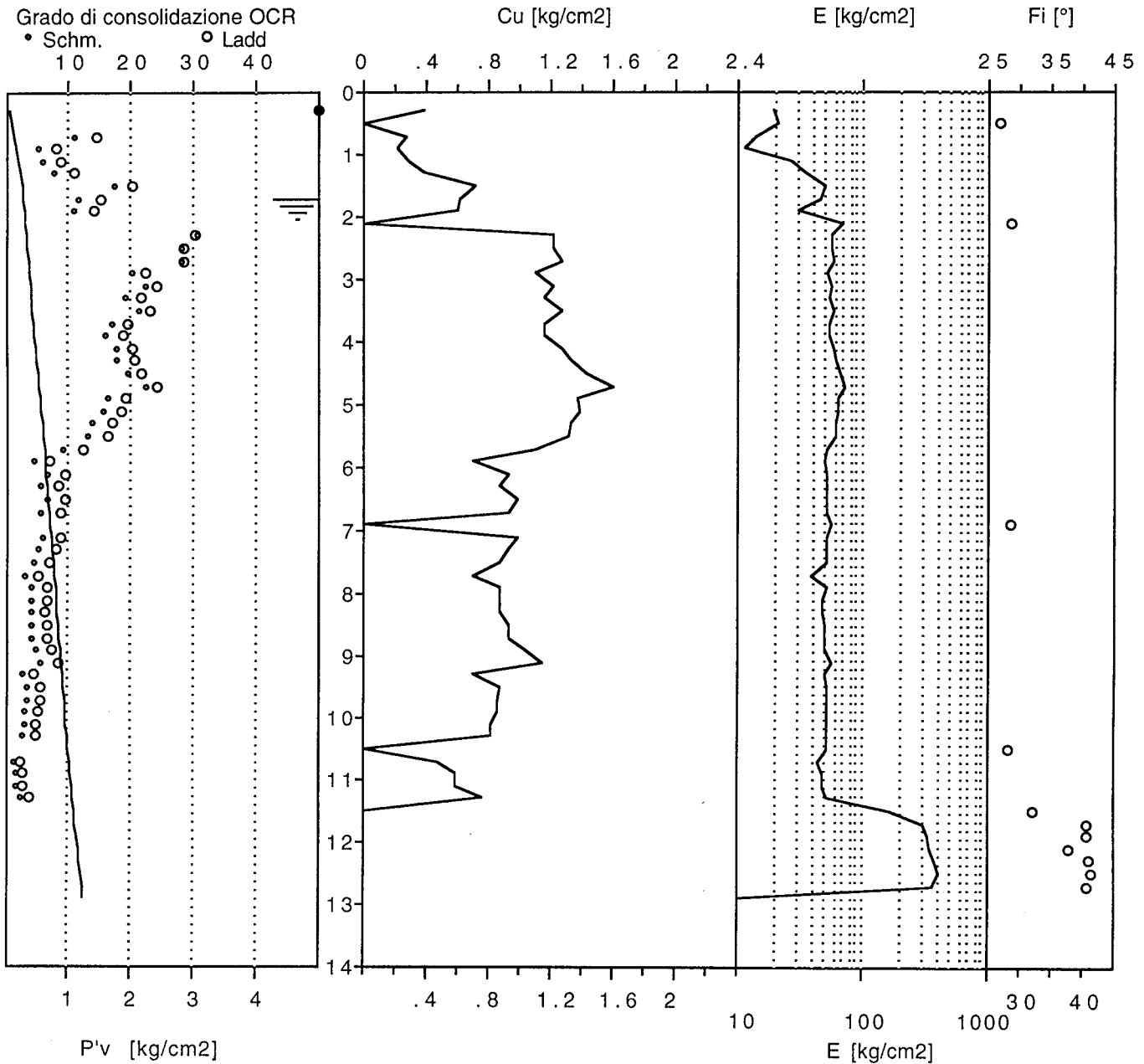
Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 27/06/1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Impresa esecutrice :

Data : 27/06/1995

progr.: CPT-4.0/S

PROVA CPT n. : 3

Parametri penetrometrici

Rp = resistenza alla punta [kg/cm2]

RI = resistenza lat. locale [kg/cm2]

FR = RI/Rp x 100 [-]

Rt = resistenza totale [kgf]

Quota p.c.: m

Falda a m -1.7 dal p.c.

z = prof. max. del tratto esplorato dalla base penetr.

Parametri geotecnici stimati

g = Peso di volume [t/m3]

P'v = Press. vert. efficace [kg/cm2]

u = Press. neutra [kg/cm2]

E = Modulo di deform. [kg/cm2]

OCR = Grado di sovracons. [-]

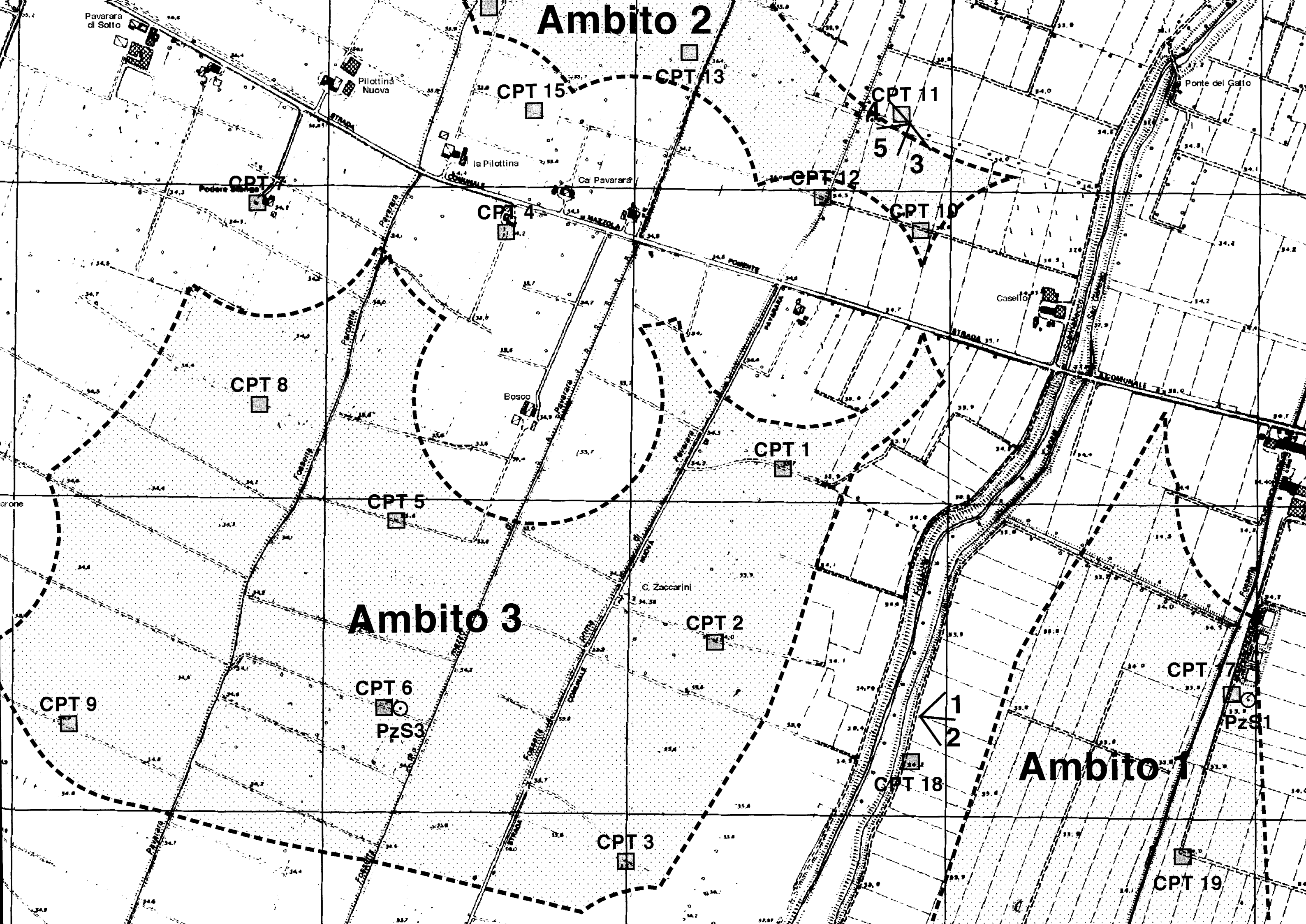
Cu = Coesione non drenata [kg/cm2]

Fi = Angolo di attrito [gradi]

Gmax = Modulo di taglio din. [kg/cm2]

z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.2	-	0.7	-	-									
0.4	7.1	0.7	9.4	-	1.77	0.07	0.00	20	> 50	0.39	0.0	-	ARG. ORG.
0.6	7.1	0.2	2.8	-	1.77	0.11	0.00	21	-	0.00	26.9	-	LIMO-ARG.S
0.8	5.1	0.4	7.8	-	1.76	0.14	0.00	14	11.2	0.28	0.0	-	ARG. ORG.
1.0	4.1	0.4	9.7	-	1.75	0.18	0.00	11	5.4	0.22	0.0	-	ARG. ORG.
1.2	5.3	0.3	6.3	-	1.76	0.21	0.00	27	6.0	0.28	0.0	-	ARGILLA
1.4	7.3	0.5	6.4	-	1.77	0.25	0.00	34	7.9	0.39	0.0	-	ARGILLA
1.6	13.3	0.6	4.5	-	1.79	0.28	0.00	49	17.5	0.72	0.0	-	ARGILLA
1.8	11.3	0.7	5.9	-	1.78	0.30	0.01	45	11.9	0.61	0.0	-	ARGILLA
2.0	11.3	0.9	7.7	-	1.78	0.31	0.03	31	10.9	0.61	0.0	-	ARG. ORG.
2.2	23.4	0.7	2.9	-	1.82	0.33	0.05	70	-	0.00	28.5	-	LIMO-ARG.S
2.4	22.4	0.9	4.2	-	1.82	0.35	0.07	56	30.8	1.22	0.0	-	ARGILLA
2.6	22.4	0.9	3.9	-	1.82	0.36	0.09	56	28.3	1.22	0.0	-	ARG.LIM.
2.8	23.4	0.9	4.0	-	1.82	0.38	0.11	58	28.2	1.27	0.0	-	ARG.LIM.
3.0	20.4	0.9	4.3	-	1.81	0.40	0.13	51	20.4	1.10	0.0	-	ARGILLA
3.2	22.5	1.0	4.4	-	1.82	0.41	0.15	56	22.6	1.22	0.0	-	ARGILLA
3.4	21.5	0.8	3.7	-	1.82	0.43	0.17	54	19.4	1.16	0.0	-	ARG.LIM.
3.6	23.5	0.9	4.0	-	1.82	0.45	0.19	58	21.3	1.27	0.0	-	ARG.LIM.
3.8	21.5	0.8	3.7	-	1.82	0.46	0.21	54	17.0	1.16	0.0	-	ARG.LIM.
4.0	21.5	0.9	4.0	-	1.82	0.48	0.23	54	16.0	1.16	0.0	-	ARGILLA
4.2	23.7	0.8	3.4	-	1.83	0.49	0.25	59	17.8	1.27	0.0	-	ARG.LIM.
4.4	24.7	1.1	4.3	-	1.83	0.51	0.27	61	18.0	1.33	0.0	-	ARGILLA
4.6	26.7	1.0	3.8	-	1.84	0.53	0.29	65	19.5	1.44	0.0	-	ARG.LIM.
4.8	29.7	1.3	4.5	-	1.85	0.55	0.31	72	22.4	1.60	0.0	-	ARGILLA
5.0	25.7	1.1	4.4	-	1.83	0.56	0.33	63	16.3	1.38	0.0	-	ARGILLA
5.2	25.8	1.1	4.1	-	1.83	0.58	0.35	63	15.6	1.38	0.0	-	ARGILLA
5.4	24.8	0.9	3.5	-	1.83	0.60	0.37	61	13.8	1.32	0.0	-	ARG.LIM.
5.6	24.8	0.9	3.8	-	1.83	0.61	0.39	61	13.2	1.32	0.0	-	ARG.LIM.
5.8	20.8	0.9	4.5	-	1.81	0.63	0.41	52	9.3	1.10	0.0	-	ARGILLA
6.0	13.8	0.8	5.8	-	1.79	0.64	0.43	49	4.5	0.71	0.0	-	ARGILLA
6.2	17.9	0.8	4.5	-	1.80	0.66	0.45	51	6.6	0.93	0.0	-	ARGILLA
6.4	16.9	0.7	4.3	-	1.80	0.68	0.47	51	5.8	0.88	0.0	-	ARGILLA
6.6	18.9	1.0	5.3	-	1.81	0.69	0.49	51	6.7	0.98	0.0	-	ARGILLA
6.8	17.9	0.9	5.2	-	1.80	0.71	0.51	51	5.9	0.93	0.0	-	ARGILLA
7.0	18.9	0.4	2.1	-	1.81	0.72	0.53	57	-	0.00	28.7	-	LIMO SABB.
7.2	19.0	0.8	4.2	-	1.81	0.74	0.55	51	6.0	0.99	0.0	-	ARGILLA
7.4	18.0	0.8	4.4	-	1.80	0.76	0.57	51	5.3	0.93	0.0	-	ARGILLA
7.6	17.0	1.0	5.9	-	1.80	0.77	0.59	51	4.7	0.87	0.0	-	ARGILLA
7.8	14.0	0.9	6.6	-	1.79	0.79	0.61	39	3.4	0.70	0.0	-	ARGILLA
8.0	17.0	1.1	6.3	-	1.80	0.80	0.63	51	4.4	0.87	0.0	-	ARGILLA
8.2	17.2	1.5	8.5	-	1.80	0.82	0.65	47	4.3	0.87	0.0	-	ARG. ORG.

8.4	17.2	1.1	6.6	-	1.80	0.84	0.67	47	4.2	0.87	0.0	-	ARGILLA
8.6	18.2	1.2	6.6	-	1.81	0.85	0.69	50	4.4	0.92	0.0	-	ARGILLA
8.8	18.2	2.1	11.4	-	1.81	0.87	0.71	50	4.3	0.92	0.0	-	ARG. ORG.
9.0	20.2	1.4	6.9	-	1.81	0.88	0.73	51	4.9	1.03	0.0	-	ARG. ORG.
9.2	22.3	1.2	5.4	-	1.82	0.90	0.75	55	5.6	1.15	0.0	-	ARGILLA
9.4	14.3	0.9	6.5	-	1.79	0.92	0.77	50	2.7	0.70	0.0	-	ARGILLA
9.6	17.3	0.8	4.6	-	1.80	0.93	0.79	51	3.6	0.87	0.0	-	ARGILLA
9.8	17.3	0.7	4.2	-	1.80	0.95	0.81	51	3.5	0.86	0.0	-	ARGILLA
10.0	17.3	0.7	4.2	-	1.80	0.97	0.83	51	3.4	0.86	0.0	-	ARGILLA
10.2	16.4	0.7	4.1	-	1.80	0.98	0.85	51	3.0	0.81	0.0	-	ARGILLA
10.4	16.4	0.7	4.1	-	1.80	1.00	0.87	51	3.0	0.81	0.0	-	ARGILLA
10.6	17.4	0.4	2.3	-	1.80	1.01	0.89	52	-	0.00	28.3	-	LIMO-ARG.S
10.8	10.4	0.4	3.8	-	1.78	1.03	0.91	44	1.5	0.47	0.0	-	ARG.LIM.
11.0	12.4	0.6	4.8	-	1.78	1.04	0.93	48	1.9	0.58	0.0	-	ARGILLA
11.2	12.6	0.7	5.3	-	1.79	1.06	0.95	48	1.8	0.59	0.0	-	ARGILLA
11.4	15.6	1.0	6.4	-	1.80	1.08	0.97	51	2.4	0.75	0.0	-	ARGILLA
11.6	55.6	1.3	2.4	-	1.94	1.09	0.99	167	-	0.00	32.0	-	LIMO-ARG.S
11.8	102.6	1.1	1.0	-	2.11	1.12	1.01	308	-	0.00	40.6	844	SABBIA
12.0	109.6	1.7	1.5	-	2.13	1.14	1.03	329	-	0.00	40.8	879	SABBIA
12.2	115.7	2.9	2.5	-	2.16	1.16	1.05	347	-	0.00	37.9	-	LIMO-ARG.S
12.4	126.7	0.8	0.6	-	2.20	1.19	1.07	380	-	0.00	41.2	961	SABBIA
12.6	132.7	0.9	0.7	-	2.22	1.21	1.09	398	-	0.00	41.3	988	SABBIA
12.8	121.7	0.9	0.8	-	2.18	1.23	1.11	365	-	0.00	40.9	937	SABBIA
13.0	118.7	-	-	-	2.17	1.26	1.13	356	-	-	-	-	-



Ambito 2

CPT 15

CPT 13

CPT 11

4

5

3

CPT 12

CPT 10

CPT 4

CPT 7

CPT 8

CPT 5

CPT 1

Ambito 3

CPT 2

CPT 6

PzS3

CPT 9

CPT 3

CPT 18

Ambito 1

CPT 7

PzS1

CPT 19

PROVA PENETROMETRICA STATICA n. 4

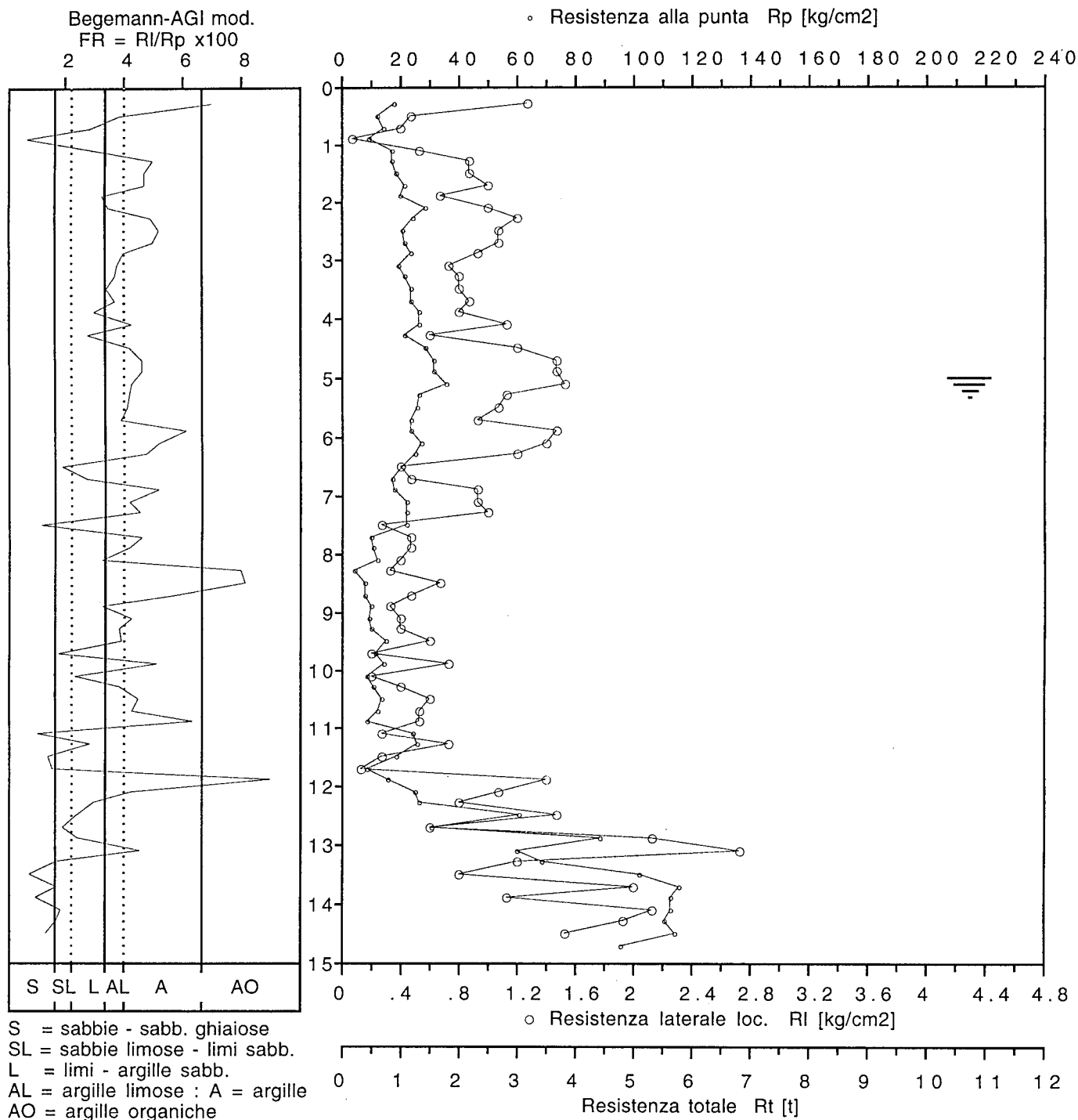
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Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 27/06/95

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA n. 4

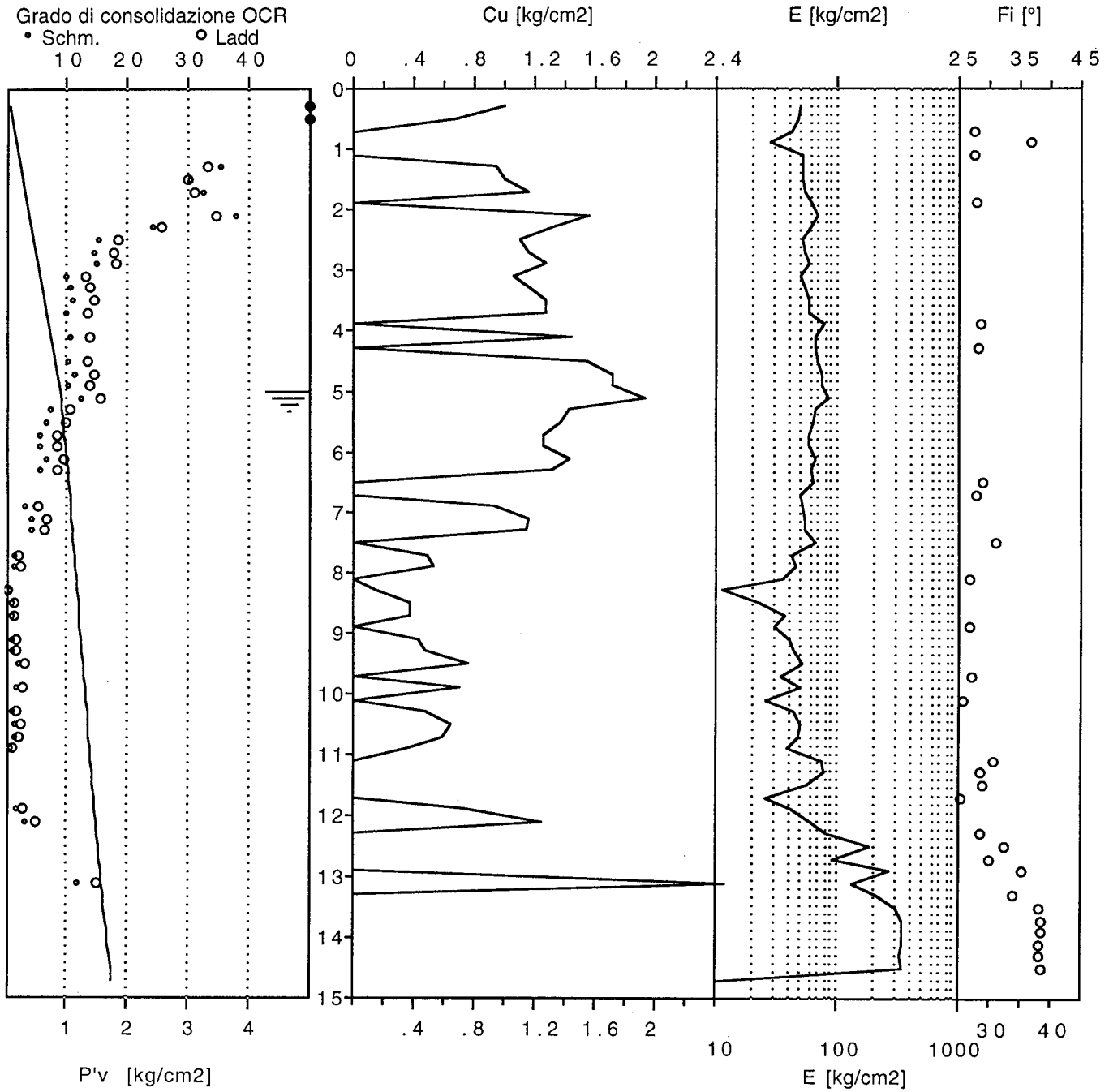
Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 27/06/95

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Impresa esecutrice :

Data : 27/06/95

progr.: CPT-4.0/S

PROVA CPT n. : 4

Parametri penetrometrici

Rp = resistenza alla punta [kg/cm2]

RI = resistenza lat. locale [kg/cm2]

FR = RI/Rp x 100 [-]

Rt = resistenza totale [kgf]

Quota p.c.: m

Falda a m -5 dal p.c.

z = prof. max. del tratto esplorato dalla base penetr.

Parametri geotecnici stimati

g = Peso di volume [t/m3]

P'v = Press. vert. efficace [kg/cm2]

u = Press. neutra [kg/cm2]

E = Modulo di deform. [kg/cm2]

OCR = Grado di sovracons. [-]

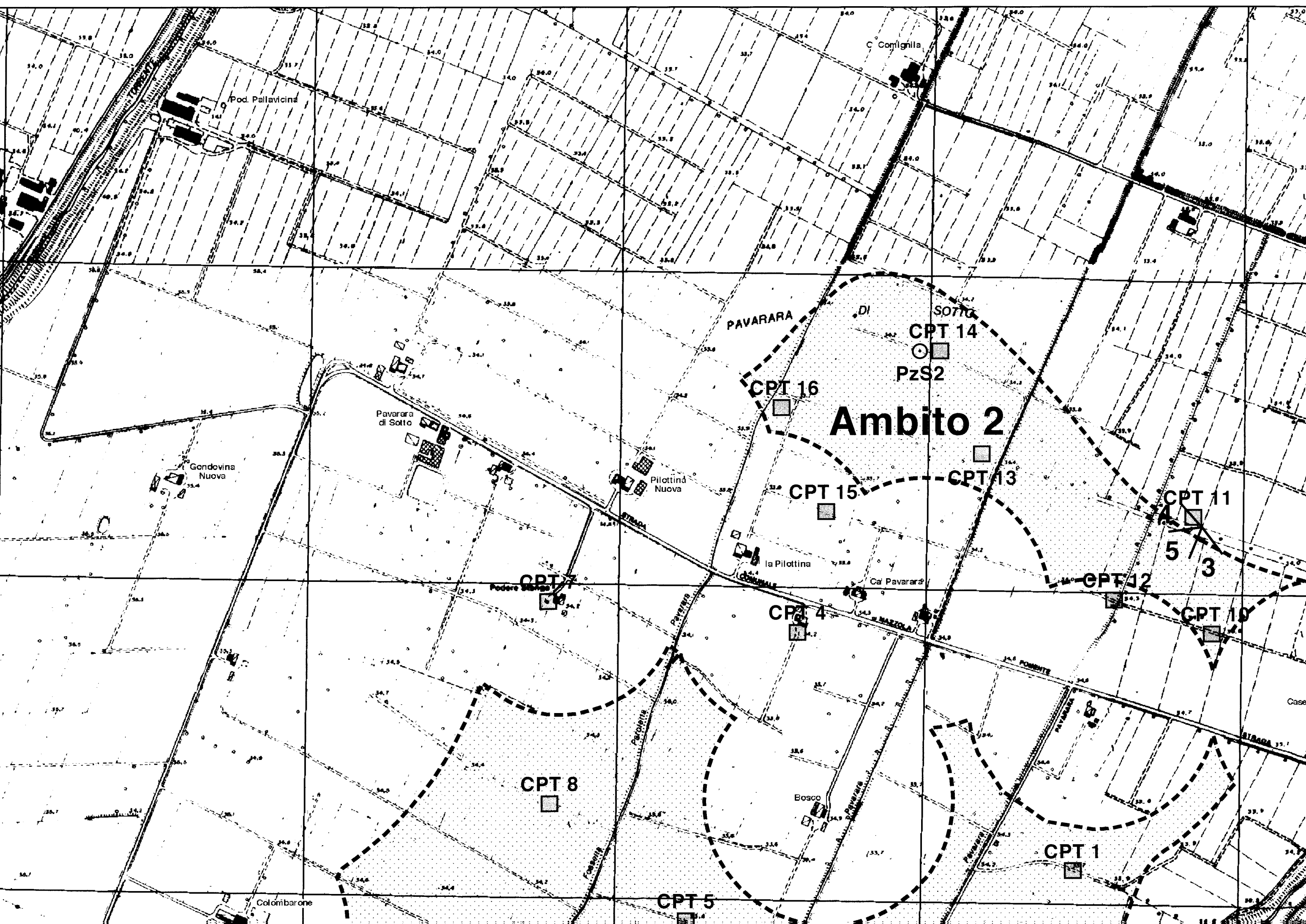
Cu = Coesione non drenata [kg/cm2]

Fi = Angolo di attrito [gradi]

Gmax = Modulo di taglio din. [kg/cm2]

z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.2	-	0.3	-	-	-	-	-	-	-	-	-	-	-
0.4	18.1	1.3	7.0	-	1.81	0.07	0.00	50	> 50	1.00	0.0	-	ARG. ORG.
0.6	12.1	0.5	3.8	-	1.78	0.11	0.00	47	> 50	0.67	0.0	-	ARG. LIM.
0.8	14.1	0.4	2.8	-	1.79	0.14	0.00	42	-	0.00	27.6	-	LIMO-ARG.S
1.0	9.1	0.1	0.7	-	1.70	0.18	0.00	27	-	0.00	36.9	193	SABBIA
1.2	17.3	0.5	3.1	-	1.80	0.21	0.00	52	-	0.00	27.6	-	LIMO-ARG.S
1.4	17.3	0.9	5.0	-	1.80	0.25	0.00	51	35.2	0.95	0.0	-	ARGILLA
1.6	18.3	0.9	4.7	-	1.81	0.29	0.00	51	30.5	1.00	0.0	-	ARGILLA
1.8	21.3	1.0	4.7	-	1.82	0.32	0.00	53	32.3	1.16	0.0	-	ARGILLA
2.0	20.3	0.7	3.3	-	1.81	0.36	0.00	61	-	0.00	27.7	-	LIMO-ARG.S
2.2	28.4	1.0	3.5	-	1.84	0.40	0.00	69	37.8	1.56	0.0	-	ARG. LIM.
2.4	24.4	1.2	4.9	-	1.83	0.43	0.00	60	24.4	1.33	0.0	-	ARGILLA
2.6	20.4	1.1	5.2	-	1.81	0.47	0.00	51	15.4	1.11	0.0	-	ARGILLA
2.8	21.4	1.1	5.0	-	1.82	0.50	0.00	53	14.7	1.16	0.0	-	ARGILLA
3.0	23.4	0.9	4.0	-	1.82	0.54	0.00	58	15.2	1.27	0.0	-	ARG. LIM.
3.2	19.5	0.7	3.8	-	1.81	0.58	0.00	50	10.0	1.05	0.0	-	ARG. LIM.
3.4	21.5	0.8	3.7	-	1.82	0.61	0.00	54	10.6	1.16	0.0	-	ARG. LIM.
3.6	23.5	0.8	3.4	-	1.82	0.65	0.00	58	11.2	1.27	0.0	-	ARG. LIM.
3.8	23.5	0.9	3.7	-	1.82	0.69	0.00	58	10.2	1.27	0.0	-	ARG. LIM.
4.0	26.5	0.8	3.0	-	1.84	0.72	0.00	80	-	0.00	28.6	-	LIMO-ARG.S
4.2	26.7	1.1	4.3	-	1.84	0.76	0.00	65	10.6	1.44	0.0	-	ARGILLA
4.4	21.7	0.6	2.8	-	1.82	0.80	0.00	65	-	0.00	28.3	-	LIMO-ARG.S
4.6	28.7	1.2	4.2	-	1.84	0.83	0.00	70	10.2	1.55	0.0	-	ARGILLA
4.8	31.7	1.5	4.6	-	1.85	0.87	0.00	76	11.3	1.71	0.0	-	ARGILLA
5.0	31.7	1.5	4.6	-	1.85	0.91	0.00	76	10.5	1.71	0.0	-	ARGILLA
5.2	35.8	1.5	4.3	-	1.87	0.92	0.02	85	12.5	1.94	0.0	-	ARGILLA
5.4	26.8	1.1	4.2	-	1.84	0.94	0.04	66	7.4	1.43	0.0	-	ARGILLA
5.6	25.8	1.1	4.1	-	1.83	0.96	0.06	63	6.8	1.38	0.0	-	ARGILLA
5.8	23.8	0.9	3.9	-	1.83	0.97	0.08	59	5.8	1.26	0.0	-	ARG. LIM.
6.0	23.8	1.5	6.2	-	1.83	0.99	0.10	59	5.6	1.26	0.0	-	ARGILLA
6.2	26.9	1.4	5.2	-	1.84	1.01	0.12	66	6.7	1.43	0.0	-	ARGILLA
6.4	24.9	1.2	4.8	-	1.83	1.02	0.14	61	5.7	1.32	0.0	-	ARGILLA
6.6	20.9	0.4	1.9	-	1.82	1.04	0.16	63	-	0.00	29.1	-	LIMO SABB.
6.8	16.9	0.5	2.8	-	1.80	1.06	0.18	51	-	0.00	27.8	-	LIMO-ARG.S
7.0	17.9	0.9	5.2	-	1.80	1.07	0.20	51	3.2	0.92	0.0	-	ARGILLA
7.2	22.0	0.9	4.2	-	1.82	1.09	0.22	55	4.3	1.15	0.0	-	ARGILLA
7.4	22.0	1.0	4.5	-	1.82	1.11	0.24	55	4.2	1.15	0.0	-	ARGILLA
7.6	22.0	0.3	1.2	-	1.82	1.12	0.26	66	-	0.00	31.2	330	SABBIA
7.8	10.0	0.5	4.6	-	1.78	1.14	0.28	43	1.4	0.48	0.0	-	ARGILLA
8.0	11.0	0.5	4.2	-	1.78	1.15	0.30	45	1.5	0.53	0.0	-	ARGILLA
8.2	12.2	0.4	3.3	-	1.78	1.17	0.32	37	-	0.00	26.8	-	LIMO-ARG.S

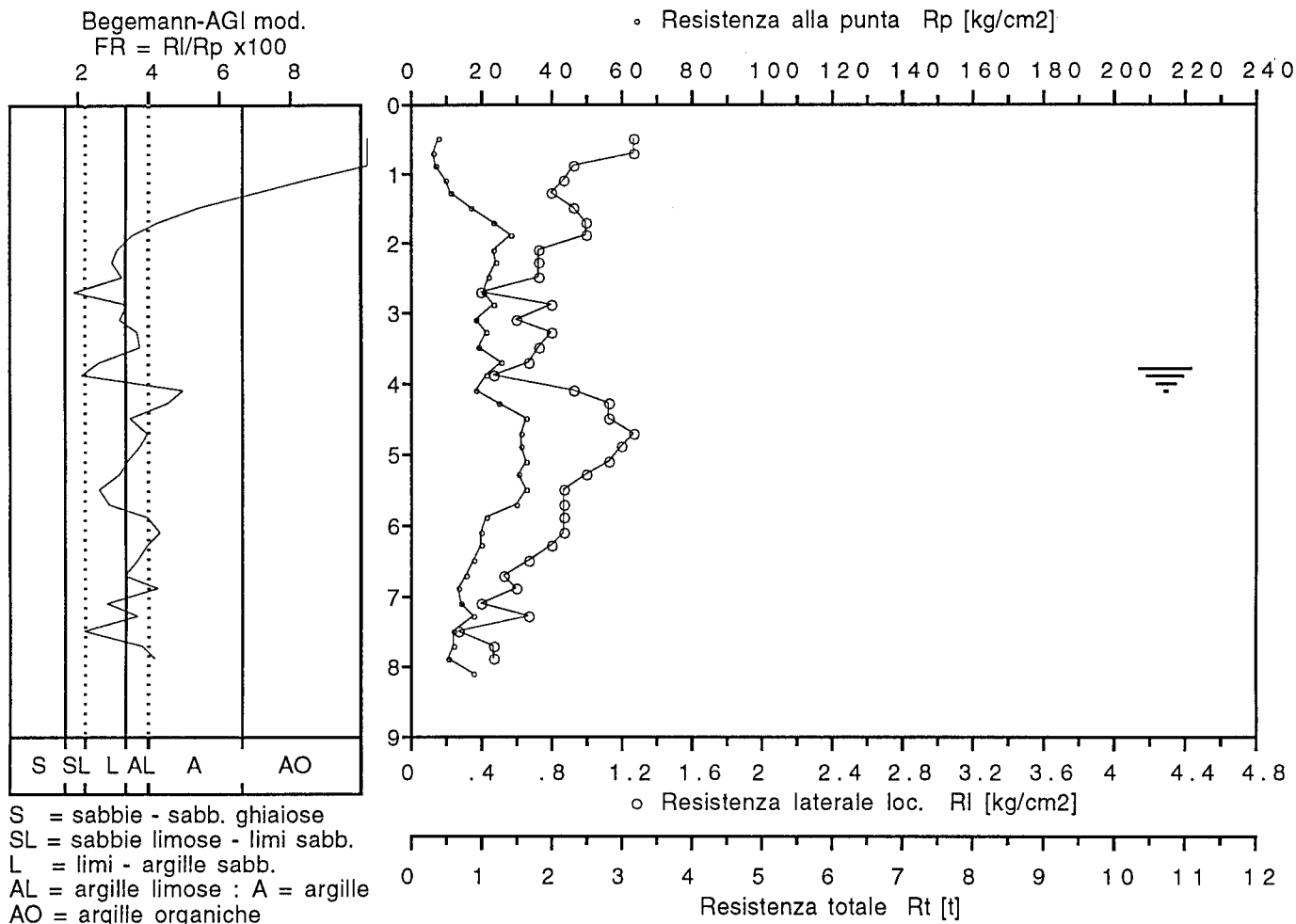
8.4	4.2	0.3	8.0	-	1.76	1.18	0.34	11	0.6	0.15	0.0	-	ARG. ORG.
8.6	8.2	0.7	8.2	-	1.77	1.20	0.36	22	1.0	0.37	0.0	-	ARG. ORG.
8.8	8.2	0.5	5.7	-	1.77	1.21	0.38	37	1.0	0.37	0.0	-	ARGILLA
9.0	10.2	0.3	3.3	-	1.78	1.23	0.40	31	-	0.00	26.6	-	LIMO-ARG.S
9.2	9.3	0.4	4.3	-	1.77	1.25	0.42	41	1.1	0.42	0.0	-	ARGILLA
9.4	10.3	0.4	3.9	-	1.78	1.26	0.44	43	1.2	0.48	0.0	-	ARG.LIM.
9.6	15.3	0.6	3.9	-	1.80	1.28	0.46	51	2.0	0.75	0.0	-	ARG.LIM.
9.8	11.3	0.2	1.8	-	1.78	1.29	0.48	34	-	0.00	27.1	-	SABBIA LIM.
10.0	14.3	0.7	5.1	-	1.79	1.31	0.50	50	1.8	0.69	0.0	-	ARGILLA
10.2	8.4	0.2	2.4	-	1.77	1.32	0.52	25	-	0.00	25.7	-	LIMO-ARG.S
10.4	10.4	0.4	3.8	-	1.78	1.34	0.54	44	1.2	0.48	0.0	-	ARG.LIM.
10.6	13.4	0.6	4.5	-	1.79	1.36	0.56	49	1.5	0.64	0.0	-	ARGILLA
10.8	12.4	0.5	4.3	-	1.78	1.37	0.58	48	1.4	0.58	0.0	-	ARGILLA
11.0	8.4	0.5	6.3	-	1.77	1.39	0.60	38	0.9	0.36	0.0	-	ARGILLA
11.2	24.6	0.3	1.1	-	1.83	1.40	0.62	74	-	0.00	30.6	353	SABBIA
11.4	25.6	0.7	2.9	-	1.83	1.42	0.64	77	-	0.00	28.5	-	LIMO-ARG.S
11.6	18.6	0.3	1.4	-	1.81	1.44	0.66	56	-	0.00	29.0	297	SABBIA
11.8	8.6	0.1	1.6	-	1.77	1.45	0.68	26	-	0.00	25.3	185	SABBIA
12.0	15.6	1.4	9.0	-	1.80	1.47	0.70	43	1.7	0.74	0.0	-	ARG. ORG.
12.2	24.7	1.1	4.3	-	1.83	1.48	0.72	61	3.1	1.25	0.0	-	ARGILLA
12.4	26.7	0.8	3.0	-	1.84	1.50	0.74	80	-	0.00	28.5	-	LIMO-ARG.S
12.6	60.7	1.5	2.4	-	1.96	1.52	0.76	182	-	0.00	32.5	-	LIMO-ARG.S
12.8	30.7	0.6	2.0	-	1.85	1.54	0.78	92	-	0.00	30.0	-	LIMO SABB.
13.0	88.7	2.1	2.4	-	2.06	1.56	0.80	266	-	0.00	35.3	-	LIMO-ARG.S
13.2	59.8	2.7	4.6	-	1.96	1.58	0.82	131	11.8	3.19	0.0	-	ARGILLA
13.4	68.8	1.2	1.7	-	1.99	1.60	0.84	206	-	0.00	34.0	-	SABBIA LIM.
13.6	101.8	0.8	0.8	-	2.11	1.62	0.86	305	-	0.00	38.2	841	SABBIA
13.8	115.8	2.0	1.7	-	2.16	1.64	0.88	347	-	0.00	38.7	-	SABBIA LIM.
14.0	112.8	1.1	1.0	-	2.15	1.66	0.90	338	-	0.00	38.7	895	SABBIA
14.2	113.0	2.1	1.9	-	2.15	1.69	0.92	339	-	0.00	38.2	-	SABBIA LIM.
14.4	111.0	1.9	1.7	-	2.14	1.71	0.94	333	-	0.00	38.2	-	SABBIA LIM.
14.6	114.0	1.5	1.3	-	2.15	1.73	0.96	342	-	0.00	38.5	900	SABBIA
14.8	96.0	-	-	-	2.09	1.76	0.98	288	-	-	-	-	-



PROVA PENETROMETRICA STATICA n. 5

Committente :
Localita' :
Data : 28.06.1995

6005
progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA n. 5

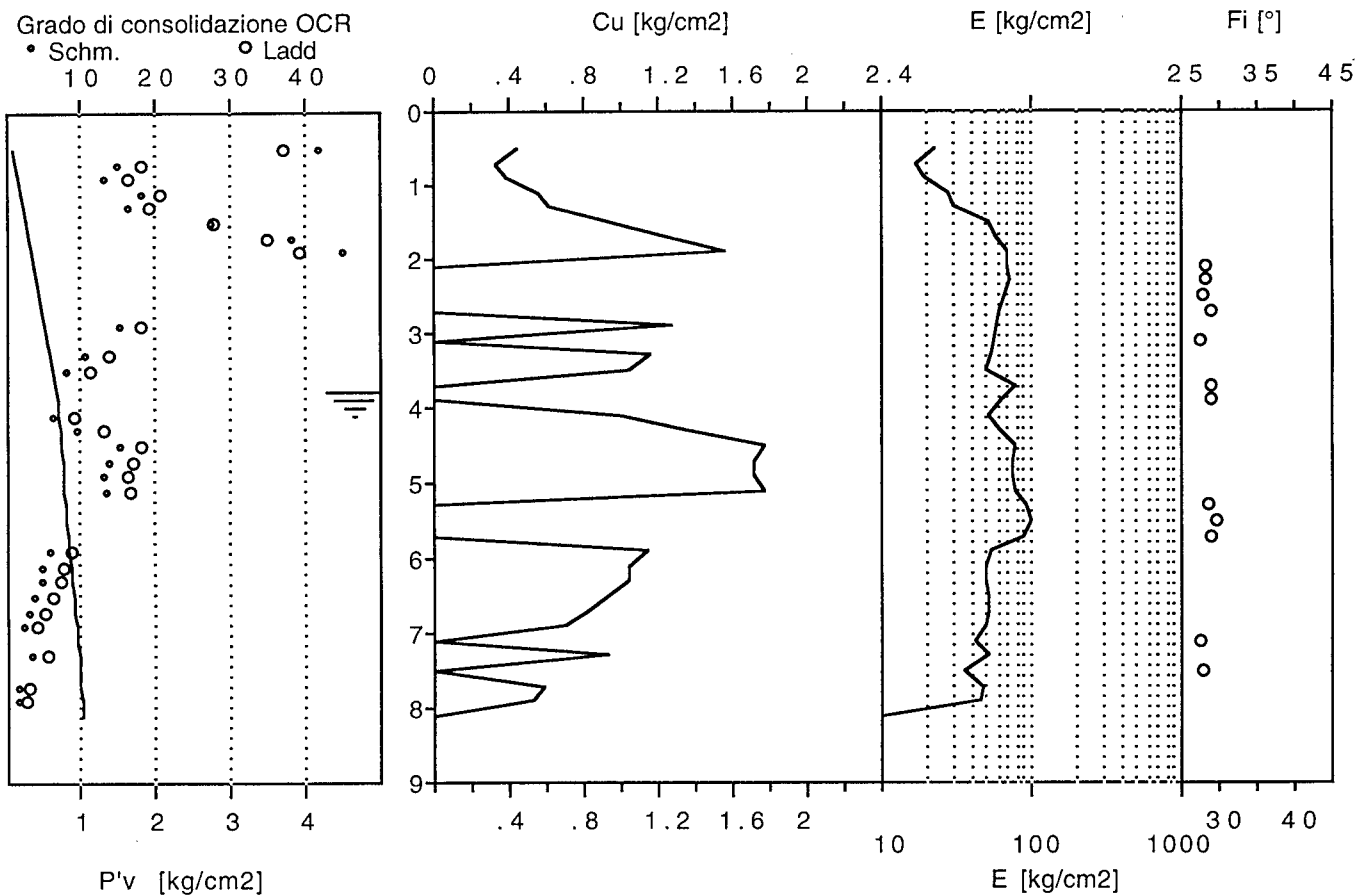
Committente :

Localita' :

Data : 28.06.1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente :

Localita' :

Impresa esecutrice :

Data : 28.06.1995

progr.: CPT-4.0/S

PROVA CPT n. : 5

Parametri penetrometrici

Rp = resistenza alla punta [kg/cm2]
 RI = resistenza lat. locale [kg/cm2]
 FR = RI/Rp x 100 [-]
 Rt = resistenza totale [kgf]

Quota p.c.: m

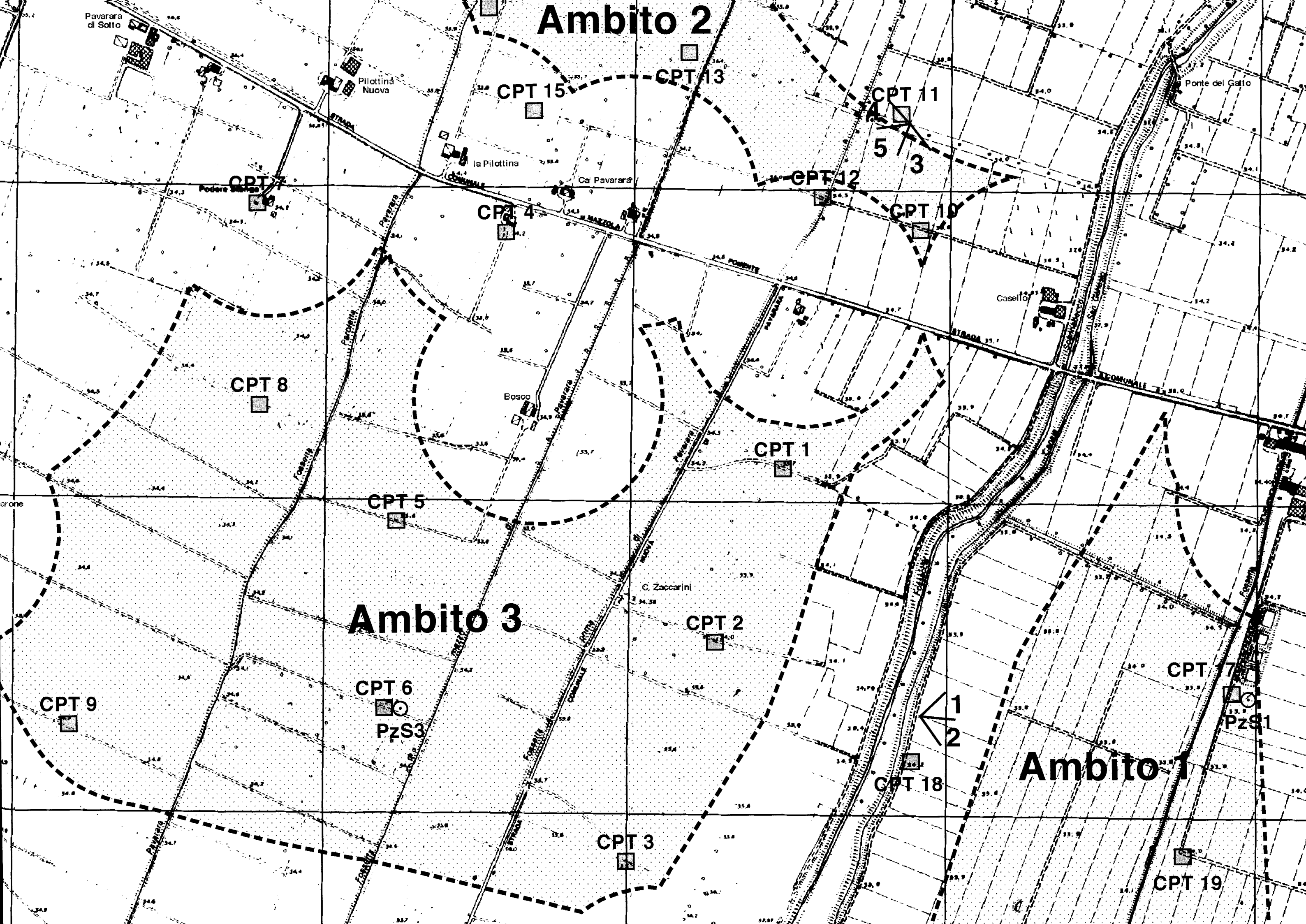
Falda a m -3.8 dal p.c.

z = prof. max. del tratto esplorato dalla base penetr.

Parametri geotecnici stimati

g = Peso di volume [t/m3]
 P'v = Press. vert. efficace [kg/cm2]
 u = Press. neutra [kg/cm2]
 E = Modulo di deform. [kg/cm2]
 OCR = Grado di sovracons. [-]
 Cu = Coesione non drenata [kg/cm2]
 Fi = Angolo di attrito [gradi]
 Gmax = Modulo di taglio din. [kg/cm2]

z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	0.8	-	-	-	-	-	-	-	-	-	-	-
0.6	8.1	1.3	15.6	-	1.77	0.11	0.00	22	41.6	0.45	0.0	-	ARG. ORG.
0.8	6.1	1.3	20.7	-	1.76	0.14	0.00	17	15.0	0.33	0.0	-	ARG. ORG.
1.0	7.1	0.9	13.1	-	1.77	0.18	0.00	20	13.3	0.39	0.0	-	ARG. ORG.
1.2	10.3	0.9	8.4	-	1.78	0.21	0.00	28	18.3	0.56	0.0	-	ARG. ORG.
1.4	11.3	0.8	7.1	-	1.78	0.25	0.00	31	16.4	0.61	0.0	-	ARG. ORG.
1.6	17.3	0.9	5.4	-	1.80	0.29	0.00	51	27.6	0.94	0.0	-	ARGILLA
1.8	23.3	1.0	4.3	-	1.82	0.32	0.00	58	38.2	1.27	0.0	-	ARGILLA
2.0	28.3	1.0	3.5	-	1.84	0.36	0.00	69	44.8	1.55	0.0	-	ARG. LIM.
2.2	23.4	0.7	3.1	-	1.82	0.39	0.00	70	-	0.00	28.2	-	LIMO-ARG. S
2.4	24.4	0.7	3.0	-	1.83	0.43	0.00	73	-	0.00	28.4	-	LIMO-ARG. S
2.6	22.4	0.7	3.3	-	1.82	0.47	0.00	67	-	0.00	27.9	-	LIMO-ARG. S
2.8	20.4	0.4	2.0	-	1.81	0.50	0.00	61	-	0.00	29.0	-	LIMO SABB.
3.0	23.4	0.8	3.4	-	1.82	0.54	0.00	58	15.2	1.27	0.0	-	ARG. LIM.
3.2	18.5	0.6	3.2	-	1.81	0.58	0.00	56	-	0.00	27.6	-	LIMO-ARG. S
3.4	21.5	0.8	3.7	-	1.82	0.61	0.00	54	10.6	1.16	0.0	-	ARG. LIM.
3.6	19.5	0.7	3.8	-	1.81	0.65	0.00	50	8.2	1.05	0.0	-	ARG. LIM.
3.8	25.5	0.7	2.6	-	1.83	0.69	0.00	77	-	0.00	28.9	-	LIMO-ARG. S
4.0	21.5	0.5	2.2	-	1.82	0.70	0.02	65	-	0.00	28.9	-	LIMO SABB.
4.2	18.7	0.9	5.0	-	1.81	0.72	0.04	51	6.4	0.99	0.0	-	ARGILLA
4.4	24.7	1.1	4.6	-	1.83	0.74	0.06	61	9.8	1.33	0.0	-	ARGILLA
4.6	32.7	1.1	3.5	-	1.86	0.75	0.08	79	15.2	1.77	0.0	-	ARG. LIM.
4.8	31.7	1.3	4.0	-	1.85	0.77	0.10	76	13.8	1.71	0.0	-	ARGILLA
5.0	31.7	1.2	3.8	-	1.85	0.79	0.12	76	13.3	1.71	0.0	-	ARG. LIM.
5.2	32.8	1.1	3.5	-	1.86	0.80	0.14	79	13.6	1.77	0.0	-	ARG. LIM.
5.4	30.8	1.0	3.2	-	1.85	0.82	0.16	92	-	0.00	28.7	-	LIMO-ARG. S
5.6	32.8	0.9	2.6	-	1.86	0.84	0.18	98	-	0.00	29.6	-	LIMO-ARG. S
5.8	29.8	0.9	2.9	-	1.85	0.85	0.20	89	-	0.00	29.0	-	LIMO-ARG. S
6.0	21.8	0.9	4.0	-	1.82	0.87	0.22	54	6.0	1.15	0.0	-	ARG. LIM.
6.2	19.9	0.9	4.4	-	1.81	0.89	0.24	50	5.0	1.04	0.0	-	ARGILLA
6.4	19.9	0.8	4.0	-	1.81	0.90	0.26	50	4.9	1.04	0.0	-	ARGILLA
6.6	17.9	0.7	3.7	-	1.80	0.92	0.28	51	4.0	0.93	0.0	-	ARG. LIM.
6.8	15.9	0.5	3.4	-	1.80	0.94	0.30	51	3.3	0.82	0.0	-	ARG. LIM.
7.0	13.9	0.6	4.3	-	1.79	0.95	0.32	50	2.6	0.70	0.0	-	ARGILLA
7.2	14.0	0.4	2.8	-	1.79	0.97	0.34	42	-	0.00	27.5	-	LIMO-ARG. S
7.4	18.0	0.7	3.7	-	1.80	0.98	0.36	51	3.6	0.93	0.0	-	ARG. LIM.
7.6	12.0	0.3	2.2	-	1.78	1.00	0.38	36	-	0.00	27.9	-	LIMO-ARG. S
7.8	12.0	0.5	3.9	-	1.78	1.01	0.40	47	2.0	0.59	0.0	-	ARG. LIM.
8.0	11.0	0.5	4.2	-	1.78	1.03	0.42	45	1.7	0.53	0.0	-	ARGILLA
8.2	18.2	0.6	3.3	-	1.81	1.05	0.44	51	3.3	0.93	0.0	-	ARG. LIM.



Ambito 2

CPT 15

CPT 13

CPT 11

4

5

3

CPT 12

CPT 10

CPT 4

CPT 7

CPT 8

CPT 5

CPT 1

Ambito 3

CPT 2

CPT 6

PzS3

CPT 9

CPT 3

CPT 18

Ambito 1

CPT 7

PzS1

CPT 19

PROVA PENETROMETRICA STATICA n. 6

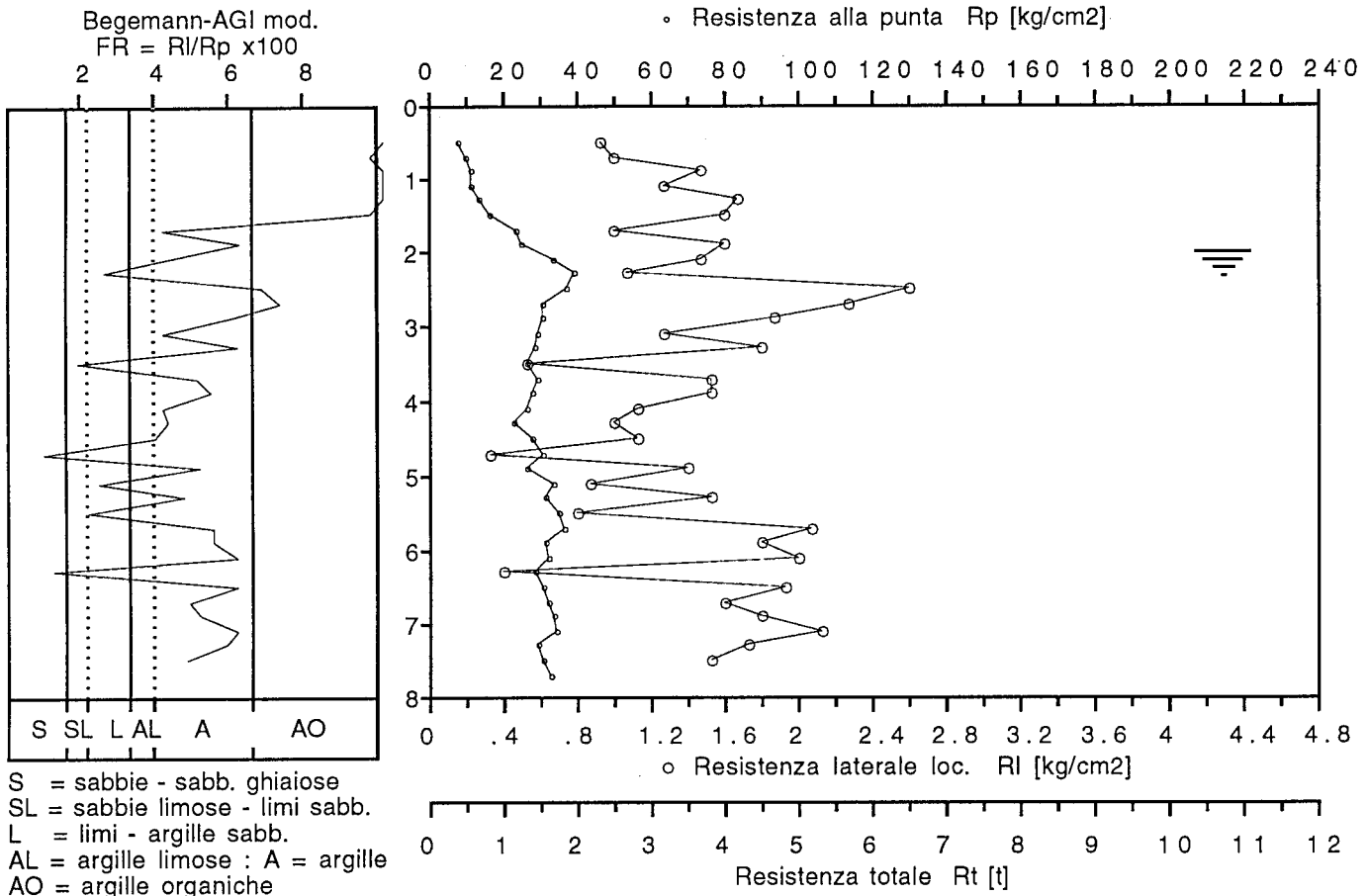
6006

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 28.06.1995

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA n. 6

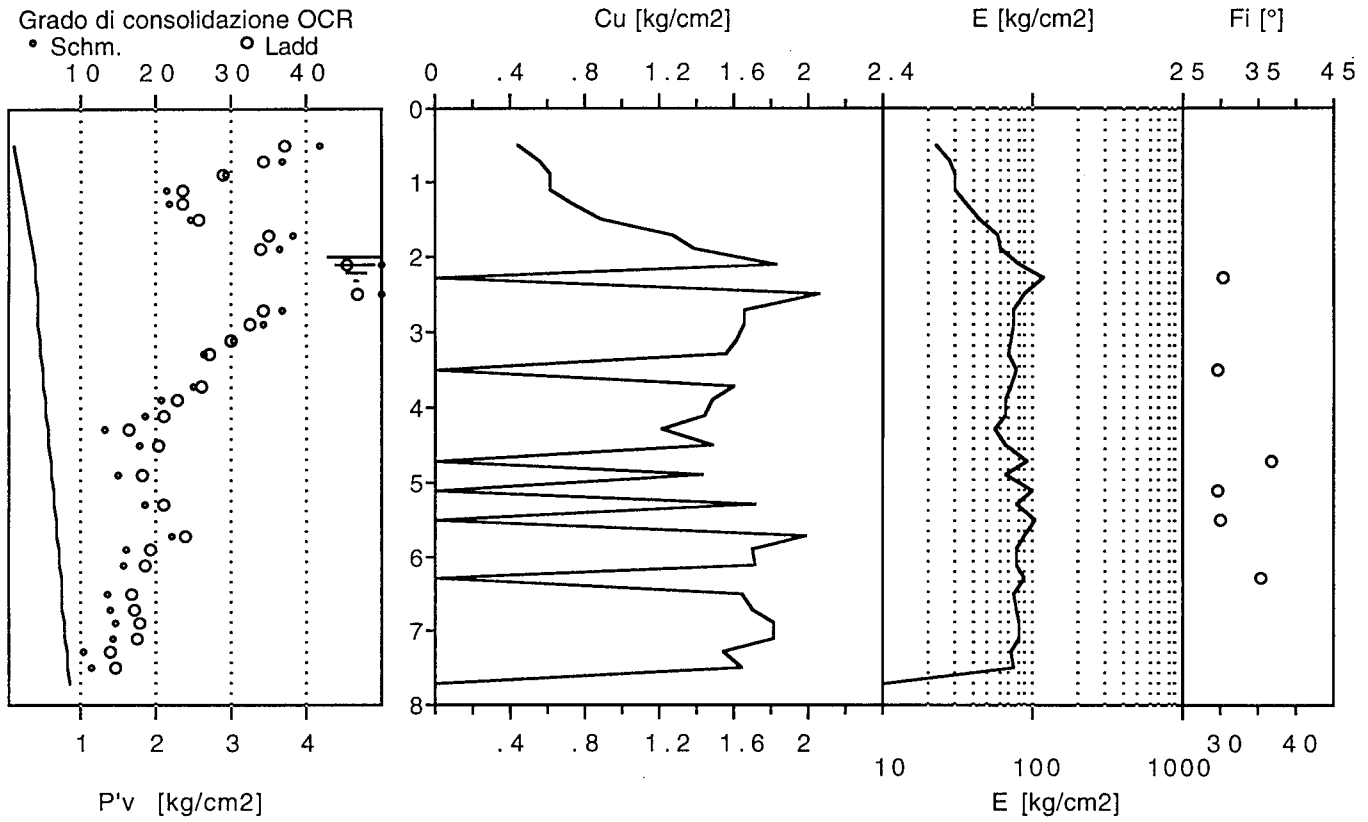
Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 28.06.1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Impresa esecutrice :

Data : 28.06.1995

progr.: CPT-4.0/S

PROVA CPT n. : 6

Parametri penetrometrici

Rp = resistenza alla punta [kg/cm2]

RI = resistenza lat. locale [kg/cm2]

FR = RI/Rp x 100 [-]

Rt = resistenza totale [kgf]

Quota p.c.: m

Falda a m -2 dal p.c.

z = prof. max. del tratto esplorato dalla base penetr.

Parametri geotecnici stimati

g = Peso di volume [t/m3]

P'v = Press. vert. efficace [kg/cm2]

u = Press. neutra [kg/cm2]

E = Modulo di deform. [kg/cm2]

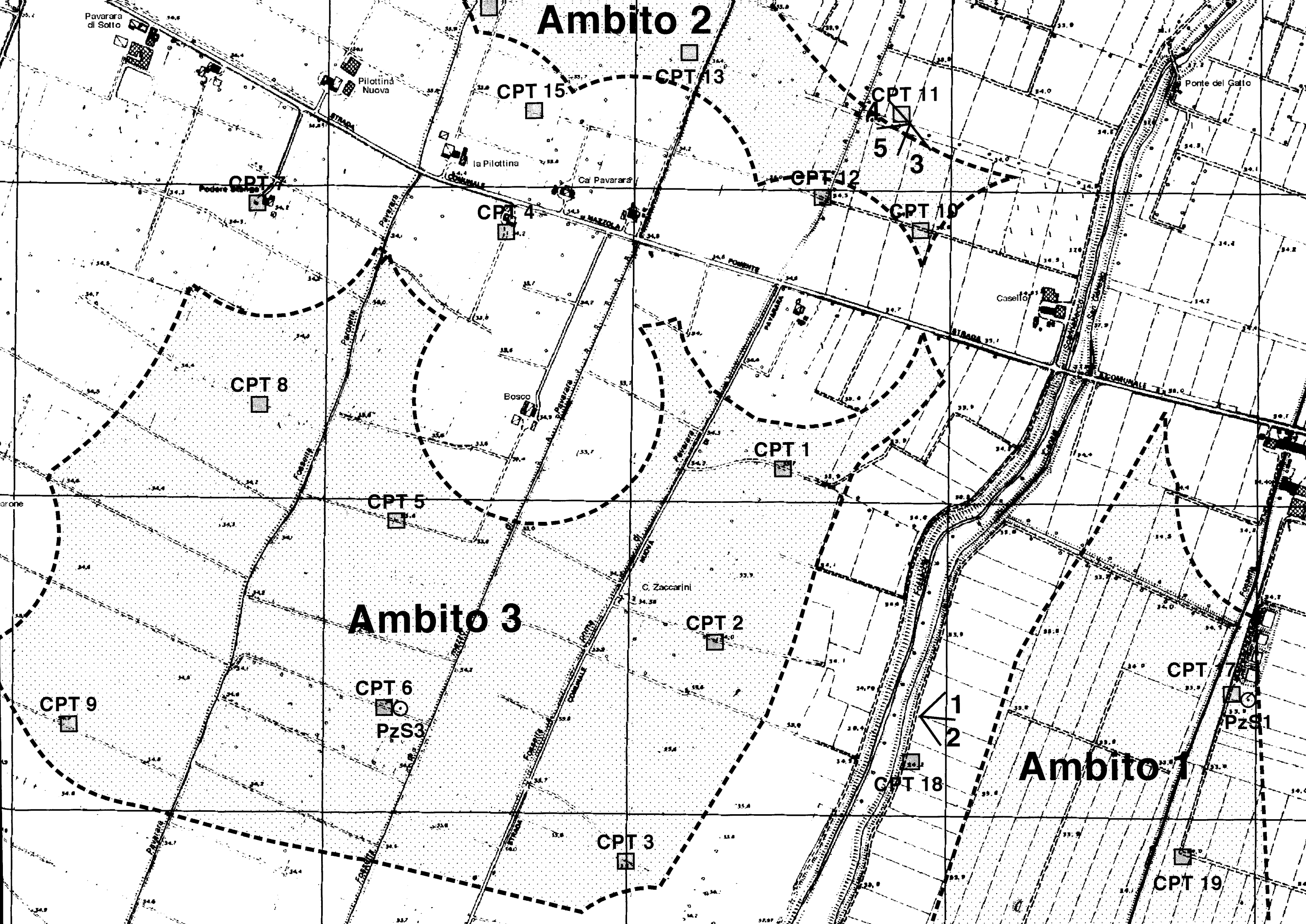
OCR = Grado di sovracons. [-]

Cu = Coesione non drenata [kg/cm2]

Fi = Angolo di attrito [gradi]

Gmax = Modulo di taglio din. [kg/cm2]

z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	0.6	-	-	-	-	-	-	-	-	-	-	-
0.6	8.1	0.9	11.5	-	1.77	0.11	0.00	22	41.6	0.45	0.0	-	ARG. ORG.
0.8	10.1	1.0	9.9	-	1.78	0.14	0.00	28	36.9	0.55	0.0	-	ARG. ORG.
1.0	11.1	1.5	13.2	-	1.78	0.18	0.00	31	29.1	0.61	0.0	-	ARG. ORG.
1.2	11.3	1.3	11.2	-	1.78	0.21	0.00	31	21.4	0.61	0.0	-	ARG. ORG.
1.4	13.3	1.7	12.6	-	1.79	0.25	0.00	36	21.8	0.72	0.0	-	ARG. ORG.
1.6	16.3	1.6	9.8	-	1.80	0.29	0.00	45	24.7	0.89	0.0	-	ARG. ORG.
1.8	23.3	1.0	4.3	-	1.82	0.32	0.00	58	38.1	1.27	0.0	-	ARGILLA
2.0	25.3	1.6	6.3	-	1.83	0.36	0.00	62	36.4	1.38	0.0	-	ARGILLA
2.2	33.4	1.5	4.4	-	1.86	0.38	0.02	80	> 50	1.83	0.0	-	ARGILLA
2.4	39.4	1.1	2.7	-	1.88	0.39	0.04	118	-	0.00	30.2	-	LIMO-ARG.S
2.6	37.4	2.6	7.0	-	1.87	0.41	0.06	89	> 50	2.05	0.0	-	ARG. ORG.
2.8	30.4	2.3	7.5	-	1.85	0.43	0.08	74	36.7	1.66	0.0	-	ARG. ORG.
3.0	30.4	1.9	6.1	-	1.85	0.45	0.10	74	34.2	1.66	0.0	-	ARGILLA
3.2	29.5	1.3	4.3	-	1.85	0.46	0.12	72	30.2	1.61	0.0	-	ARGILLA
3.4	28.5	1.8	6.3	-	1.84	0.48	0.14	70	26.6	1.55	0.0	-	ARGILLA
3.6	26.5	0.5	2.0	-	1.84	0.50	0.16	80	-	0.00	29.6	-	LIMO SABB.
3.8	29.5	1.5	5.2	-	1.85	0.51	0.18	72	25.0	1.60	0.0	-	ARGILLA
4.0	27.5	1.5	5.6	-	1.84	0.53	0.20	67	20.7	1.49	0.0	-	ARGILLA
4.2	26.7	1.1	4.3	-	1.84	0.55	0.22	65	18.5	1.44	0.0	-	ARGILLA
4.4	22.7	1.0	4.4	-	1.82	0.56	0.24	56	13.2	1.21	0.0	-	ARGILLA
4.6	27.7	1.1	4.1	-	1.84	0.58	0.26	68	17.7	1.49	0.0	-	ARGILLA
4.8	30.7	0.3	1.1	-	1.85	0.60	0.28	92	-	0.00	36.9	404	SABBIA
5.0	26.7	1.4	5.3	-	1.84	0.61	0.30	65	15.0	1.43	0.0	-	ARGILLA
5.2	33.8	0.9	2.6	-	1.86	0.63	0.32	101	-	0.00	29.7	-	LIMO-ARG.S
5.4	31.8	1.5	4.8	-	1.85	0.65	0.34	77	18.6	1.71	0.0	-	ARGILLA
5.6	34.8	0.8	2.3	-	1.87	0.66	0.36	104	-	0.00	30.1	-	LIMO-ARG.S
5.8	36.8	2.1	5.6	-	1.87	0.68	0.38	87	22.0	1.98	0.0	-	ARGILLA
6.0	31.8	1.8	5.7	-	1.85	0.70	0.40	77	16.2	1.70	0.0	-	ARGILLA
6.2	31.9	2.0	6.3	-	1.85	0.72	0.42	77	15.6	1.71	0.0	-	ARGILLA
6.4	28.9	0.4	1.4	-	1.84	0.73	0.44	87	-	0.00	35.2	389	SABBIA
6.6	30.9	1.9	6.3	-	1.85	0.75	0.46	75	13.6	1.65	0.0	-	ARGILLA
6.8	31.9	1.6	5.0	-	1.85	0.77	0.48	77	13.8	1.70	0.0	-	ARGILLA
7.0	33.9	1.8	5.3	-	1.86	0.78	0.50	81	14.8	1.81	0.0	-	ARGILLA
7.2	34.0	2.1	6.3	-	1.86	0.80	0.52	82	14.3	1.82	0.0	-	ARGILLA
7.4	29.0	1.7	6.0	-	1.84	0.82	0.54	71	10.4	1.54	0.0	-	ARGILLA
7.6	31.0	1.5	4.9	-	1.85	0.84	0.56	75	11.3	1.65	0.0	-	ARGILLA
7.8	33.0	1.1	3.4	-	1.86	0.85	0.58	79	12.2	1.76	0.0	-	ARG.LIM.



Ambito 2

CPT 15

CPT 13

CPT 11

4

5

3

CPT 12

CPT 10

CPT 4

CPT 7

CPT 8

CPT 1

CPT 5

Ambito 3

CPT 2

CPT 6

PzS3

CPT 9

CPT 3

CPT 18

Ambito 1

CPT 7

PzS1

CPT 19

PROVA PENETROMETRICA STATICA n. 7

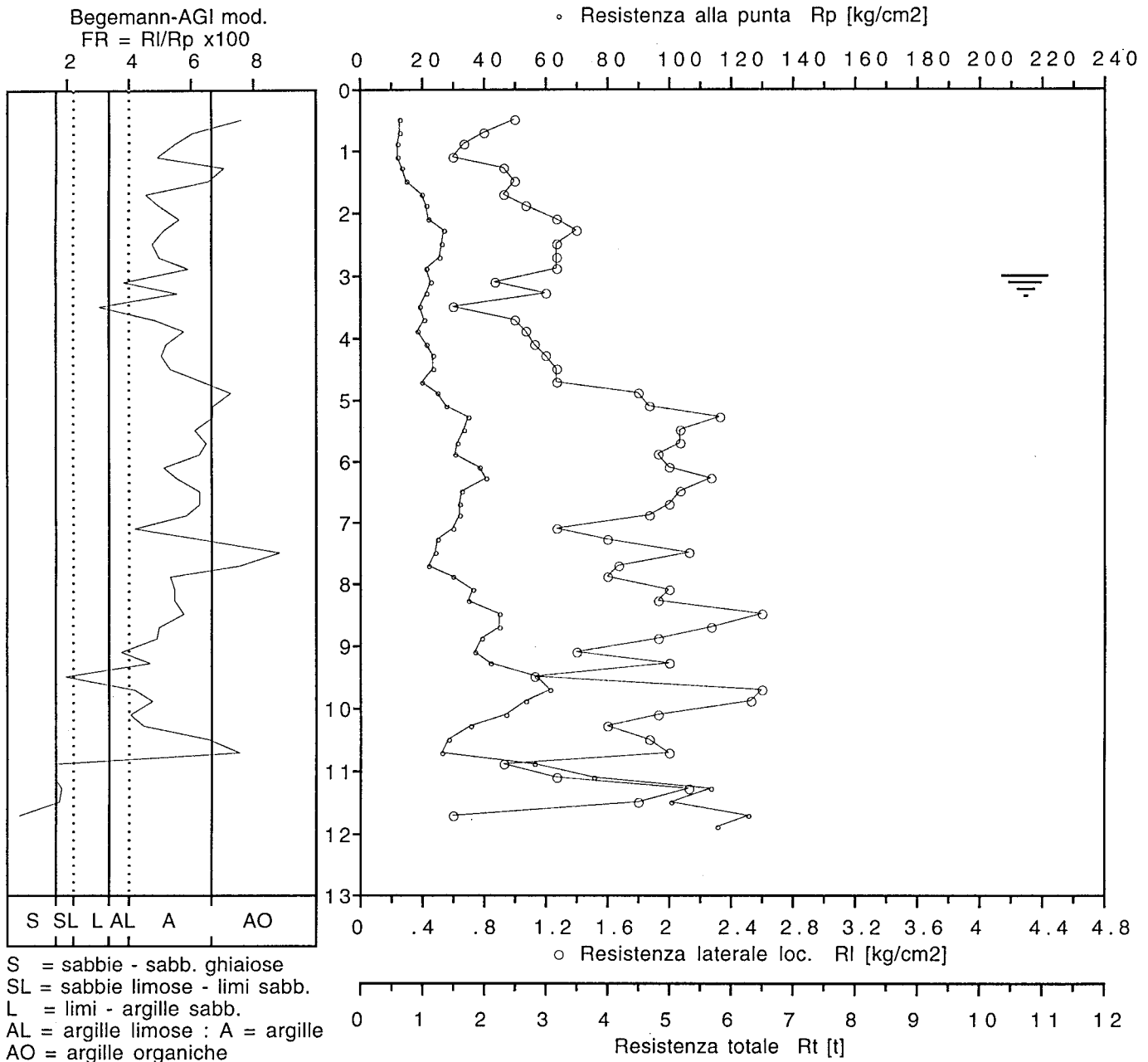
Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 27/06/1995

progr.: CPT-4.0/S

607



PROVA PENETROMETRICA STATICA n. 7

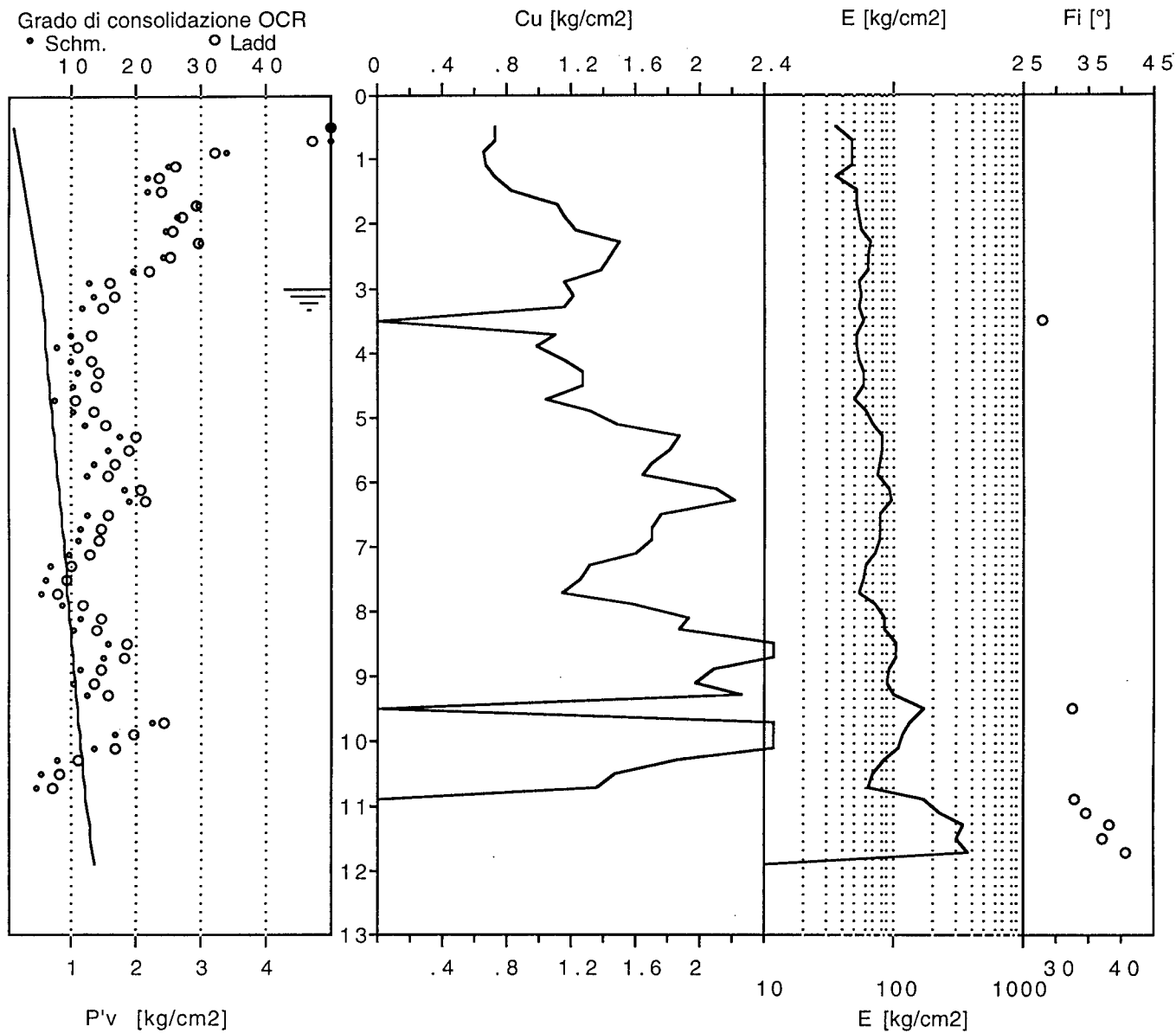
Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 27/06/1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Impresa esecutrice :

Data : 27/06/1995

progr.: CPT-4.0/S

PROVA CPT n. : 7

Parametri penetrometrici

Parametri geotecnici stimati

Rp = resistenza alla punta [kg/cm2]

RI = resistenza lat. locale [kg/cm2]

FR = RI/Rp x 100 [-]

Rt = resistenza totale [kgf]

g = Peso di volume [t/m3]

P'v = Press. vert. efficace [kg/cm2]

u = Press. neutra [kg/cm2]

E = Modulo di deform. [kg/cm2]

OCR = Grado di sovracons. [-]

Cu = Coesione non drenata [kg/cm2]

Fi = Angolo di attrito [gradi]

Gmax = Modulo di taglio din. [kg/cm2]

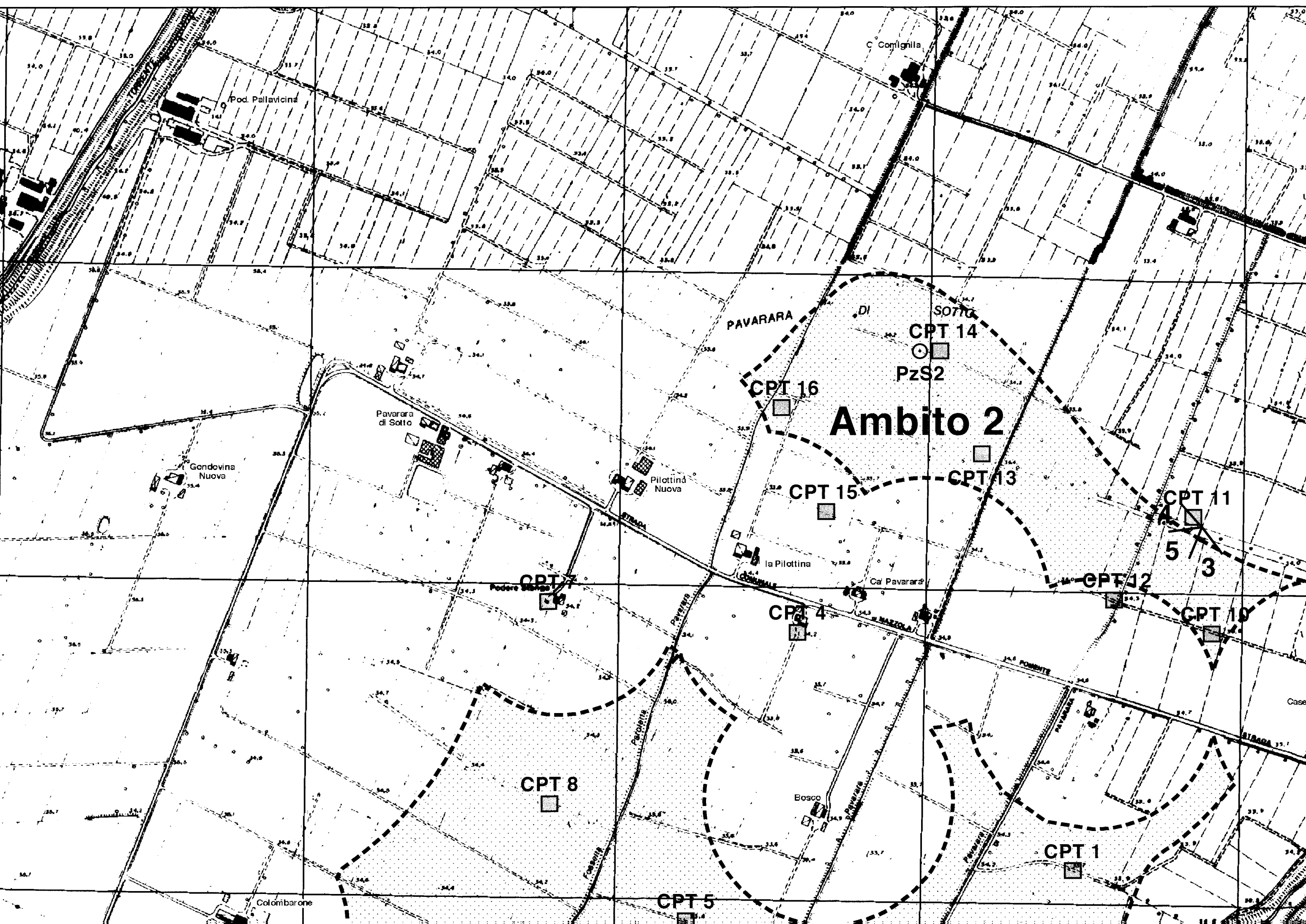
Quota p.c.: m

Falda a m -3 dal p.c.

z = prof. max. del tratto esplorato dalla base penetr.

z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	0.9	-	-	-	-	-	-	-	-	-	-	-
0.6	13.1	1.0	7.6	-	1.79	0.11	0.00	36	> 50	0.72	0.0	-	ARG. ORG.
0.8	13.1	0.8	6.1	-	1.79	0.14	0.00	49	> 50	0.72	0.0	-	ARGILLA
1.0	12.1	0.7	5.5	-	1.78	0.18	0.00	47	33.9	0.66	0.0	-	ARGILLA
1.2	12.3	0.6	4.9	-	1.78	0.21	0.00	47	24.8	0.67	0.0	-	ARGILLA
1.4	13.3	0.9	7.0	-	1.79	0.25	0.00	36	21.7	0.72	0.0	-	ARG. ORG.
1.6	15.3	1.0	6.6	-	1.79	0.29	0.00	51	21.9	0.83	0.0	-	ARGILLA
1.8	20.3	0.9	4.6	-	1.81	0.32	0.00	51	29.5	1.11	0.0	-	ARGILLA
2.0	21.3	1.1	5.0	-	1.82	0.36	0.00	53	26.5	1.16	0.0	-	ARGILLA
2.2	22.4	1.3	5.7	-	1.82	0.40	0.00	56	24.5	1.22	0.0	-	ARGILLA
2.4	27.4	1.4	5.1	-	1.84	0.43	0.00	67	30.0	1.50	0.0	-	ARGILLA
2.6	26.4	1.3	4.8	-	1.84	0.47	0.00	65	24.2	1.44	0.0	-	ARGILLA
2.8	25.4	1.3	5.0	-	1.83	0.51	0.00	63	19.8	1.38	0.0	-	ARGILLA
3.0	21.4	1.3	5.9	-	1.82	0.54	0.00	53	13.0	1.16	0.0	-	ARGILLA
3.2	22.5	0.9	3.8	-	1.82	0.56	0.02	56	13.4	1.22	0.0	-	ARG. LIM.
3.4	21.5	1.2	5.6	-	1.82	0.57	0.04	54	11.8	1.16	0.0	-	ARGILLA
3.6	19.5	0.6	3.1	-	1.81	0.59	0.06	59	-	0.00	27.8	-	LIMO-ARG.S
3.8	20.5	1.0	4.9	-	1.81	0.61	0.08	51	9.9	1.10	0.0	-	ARGILLA
4.0	18.5	1.1	5.8	-	1.81	0.62	0.10	51	7.9	0.99	0.0	-	ARGILLA
4.2	21.7	1.1	5.2	-	1.82	0.64	0.12	54	9.9	1.16	0.0	-	ARGILLA
4.4	23.7	1.2	5.1	-	1.83	0.66	0.14	59	11.0	1.27	0.0	-	ARGILLA
4.6	23.7	1.3	5.4	-	1.83	0.67	0.16	59	10.5	1.27	0.0	-	ARGILLA
4.8	19.7	1.3	6.4	-	1.81	0.69	0.18	50	7.4	1.04	0.0	-	ARGILLA
5.0	24.7	1.8	7.3	-	1.83	0.71	0.20	61	10.4	1.32	0.0	-	ARG. ORG.
5.2	27.8	1.9	6.7	-	1.84	0.72	0.22	68	12.2	1.49	0.0	-	ARG. ORG.
5.4	34.8	2.3	6.7	-	1.87	0.74	0.24	83	17.4	1.88	0.0	-	ARG. ORG.
5.6	33.8	2.1	6.1	-	1.86	0.76	0.26	81	15.8	1.82	0.0	-	ARGILLA
5.8	31.8	2.1	6.5	-	1.85	0.77	0.28	77	13.7	1.71	0.0	-	ARGILLA
6.0	30.8	1.9	6.3	-	1.85	0.79	0.30	75	12.4	1.65	0.0	-	ARGILLA
6.2	38.9	2.0	5.1	-	1.88	0.81	0.32	92	18.1	2.10	0.0	-	ARGILLA
6.4	40.9	2.3	5.5	-	1.89	0.83	0.34	96	19.0	2.21	0.0	-	ARGILLA
6.6	32.9	2.1	6.3	-	1.86	0.84	0.36	79	12.5	1.76	0.0	-	ARGILLA
6.8	31.9	2.0	6.3	-	1.85	0.86	0.38	77	11.4	1.70	0.0	-	ARGILLA
7.0	31.9	1.9	5.8	-	1.85	0.88	0.40	77	11.0	1.70	0.0	-	ARGILLA
7.2	30.0	1.3	4.2	-	1.85	0.89	0.42	73	9.6	1.60	0.0	-	ARGILLA
7.4	25.0	1.6	6.4	-	1.83	0.91	0.44	62	6.9	1.32	0.0	-	ARGILLA
7.6	24.0	2.1	8.9	-	1.83	0.93	0.46	59	6.2	1.26	0.0	-	ARG. ORG.
7.8	22.0	1.7	7.6	-	1.82	0.94	0.48	55	5.2	1.15	0.0	-	ARG. ORG.
8.0	30.0	1.6	5.3	-	1.85	0.96	0.50	73	8.5	1.59	0.0	-	ARGILLA
8.2	36.2	2.0	5.5	-	1.87	0.98	0.52	86	11.3	1.93	0.0	-	ARGILLA
8.4	35.2	1.9	5.5	-	1.87	1.00	0.54	84	10.4	1.87	0.0	-	ARGILLA

8.6	45.2	2.6	5.8	-	1.90	1.01	0.56	104	15.6	2.42	0.0	-	ARGILLA
8.8	45.2	2.3	5.0	-	1.90	1.03	0.58	104	15.2	2.42	0.0	-	ARGILLA
9.0	39.2	1.9	4.9	-	1.88	1.05	0.60	92	11.5	2.08	0.0	-	ARGILLA
9.2	37.3	1.4	3.8	-	1.87	1.07	0.62	88	10.2	1.98	0.0	-	ARG.LIM.
9.4	42.3	2.0	4.7	-	1.89	1.08	0.64	98	12.4	2.25	0.0	-	ARGILLA
9.6	57.3	1.1	2.0	-	1.95	1.10	0.66	172	-	0.00	32.6	-	LIMO SABB.
9.8	61.3	2.6	4.2	-	1.96	1.12	0.68	133	22.5	3.31	0.0	-	ARGILLA
10.0	53.3	2.5	4.8	-	1.93	1.14	0.70	119	17.0	2.86	0.0	-	ARGILLA
10.2	47.4	1.9	4.1	-	1.91	1.16	0.72	108	13.4	2.53	0.0	-	ARGILLA
10.4	35.4	1.6	4.5	-	1.87	1.18	0.74	84	7.9	1.86	0.0	-	ARGILLA
10.6	28.4	1.9	6.6	-	1.84	1.19	0.76	69	5.4	1.47	0.0	-	ARGILLA
10.8	26.4	2.0	7.6	-	1.84	1.21	0.78	65	4.7	1.36	0.0	-	ARG. ORG.
11.0	56.4	0.9	1.7	-	1.94	1.23	0.80	169	-	0.00	32.9	-	SABBIA
11.2	75.6	1.3	1.7	-	2.01	1.25	0.82	227	-	0.00	34.8	-	SABBIA LIM.
11.4	113.6	2.1	1.9	-	2.15	1.27	0.84	341	-	0.00	38.4	-	SABBIA LIM.
11.6	100.6	1.8	1.8	-	2.10	1.29	0.86	302	-	0.00	37.1	-	SABBIA LIM.
11.8	125.6	0.6	0.5	-	2.19	1.32	0.88	377	-	0.00	40.7	955	SABBIA
12.0	115.6	-	-	-	2.16	1.34	0.90	347	-	-	-	-	-



PROVA PENETROMETRICA STATICA n. 8

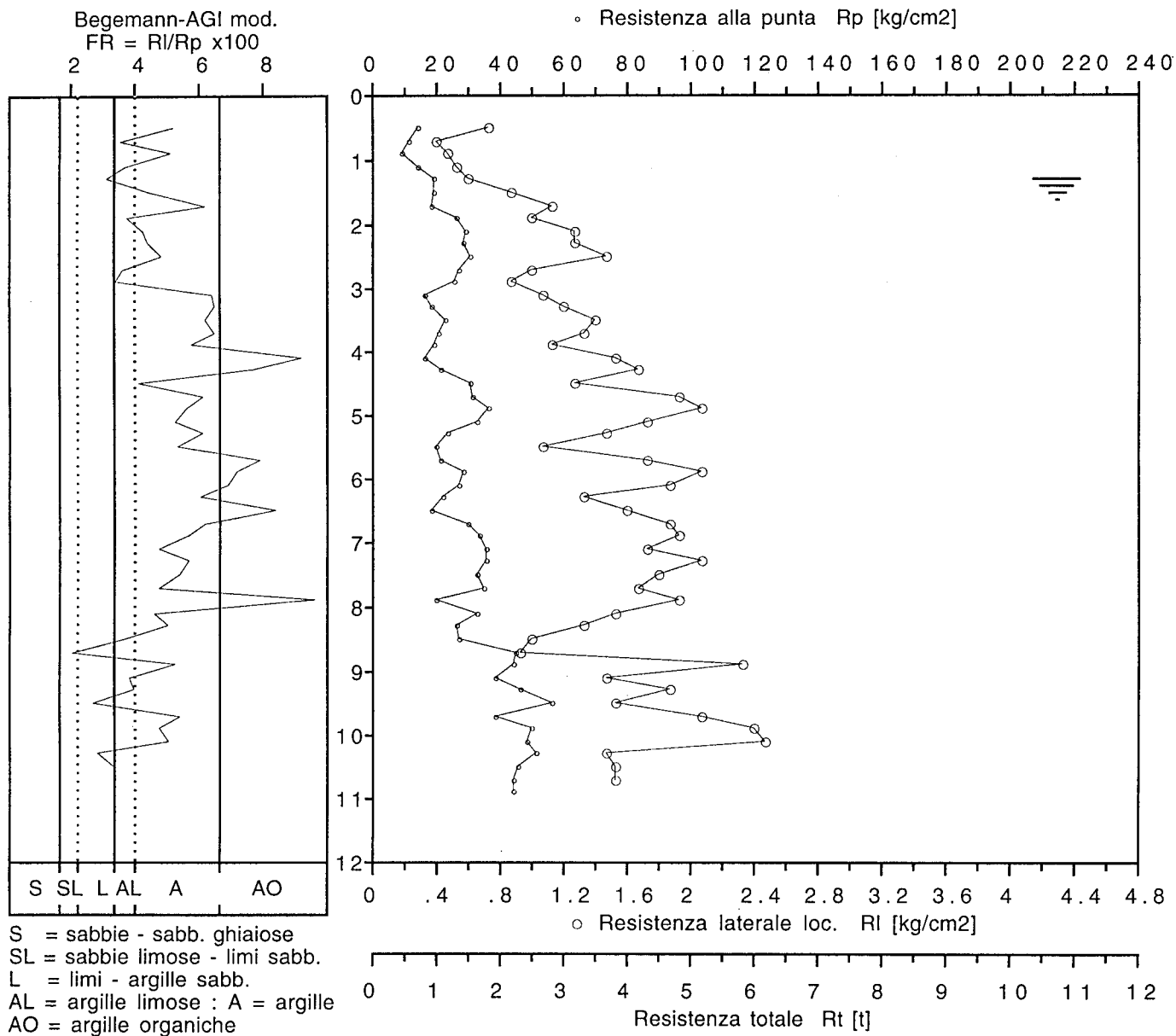
6008

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 27/06/1995

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA n. 8

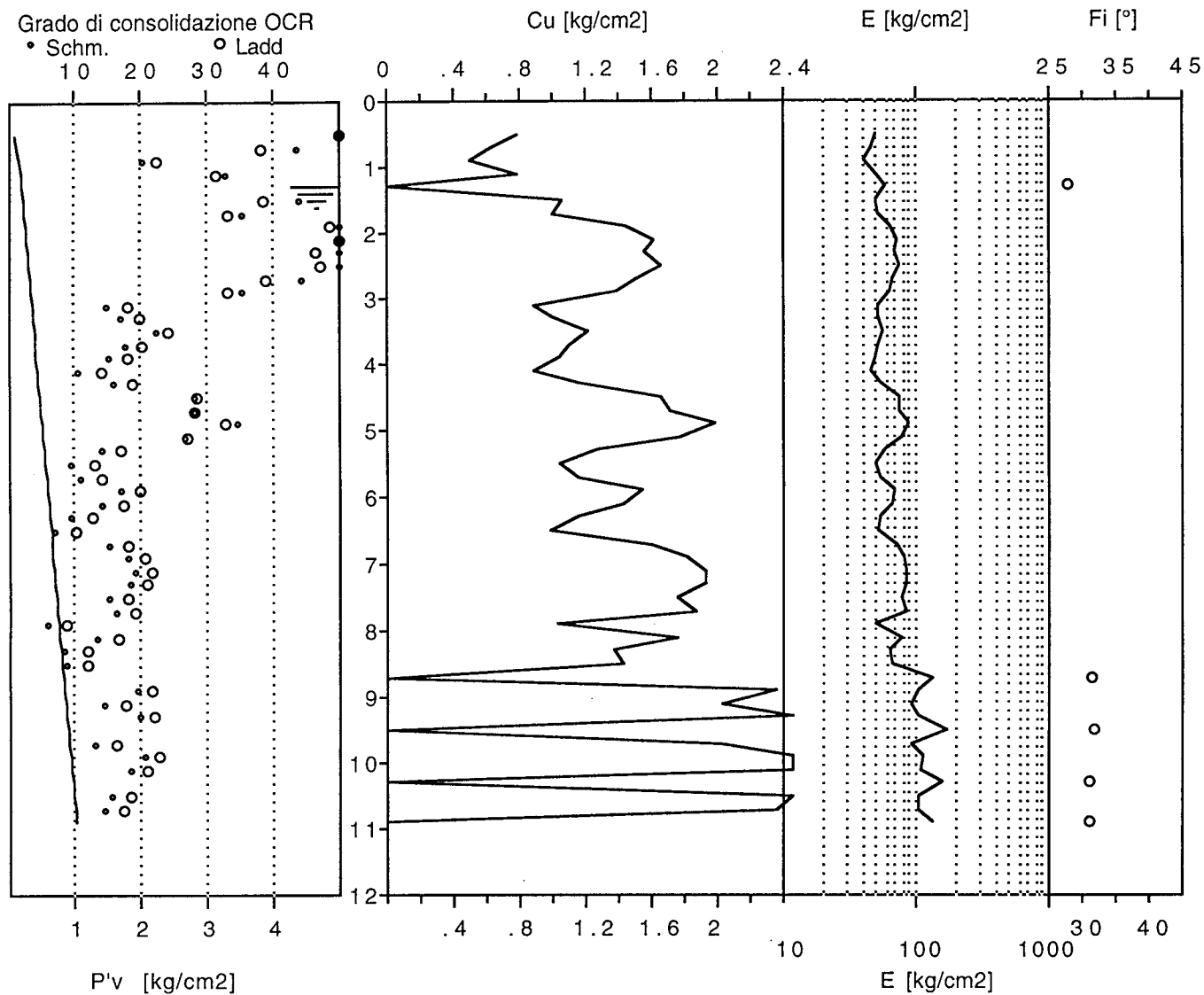
Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 27/06/1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Impresa esecutrice :

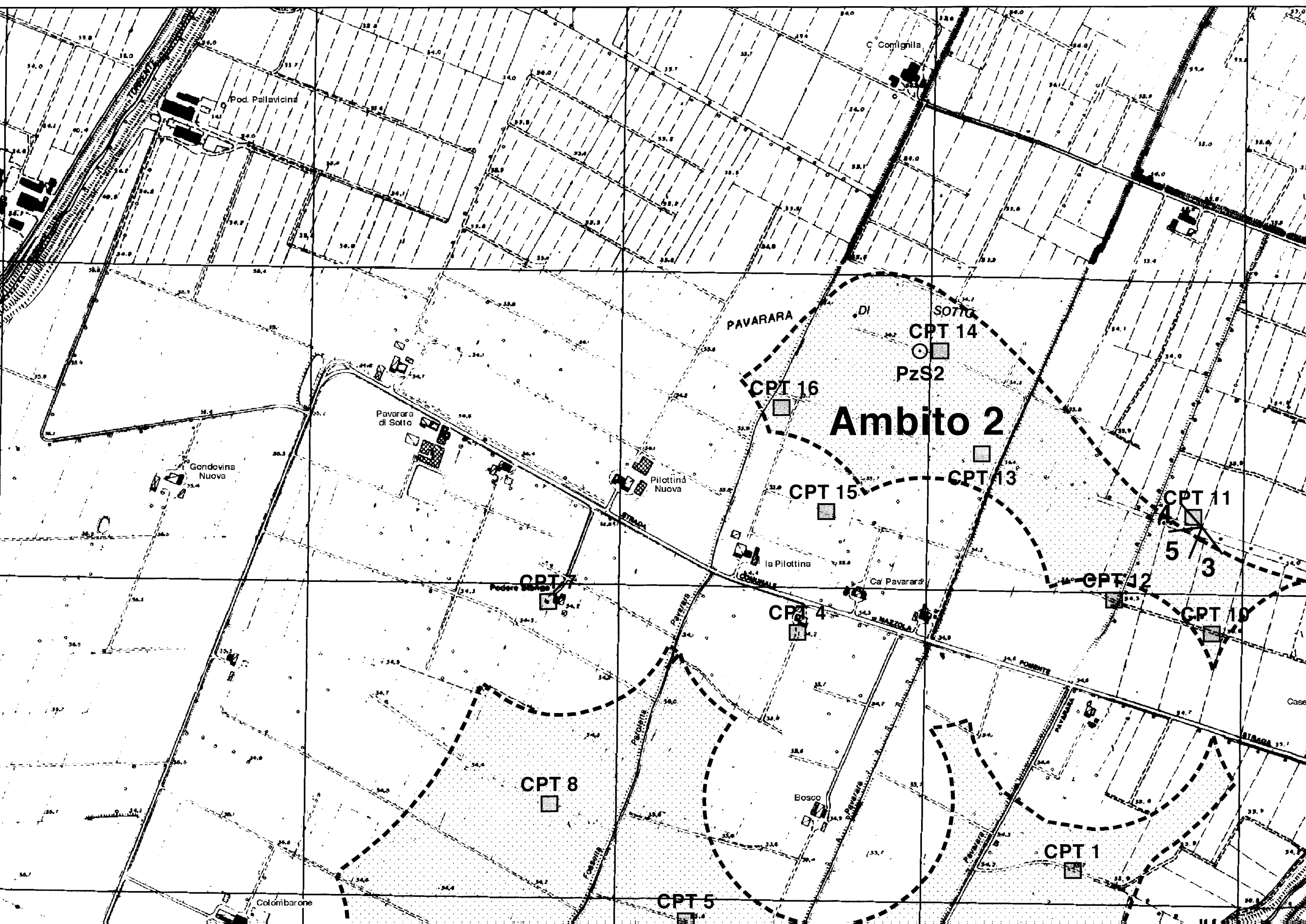
Data : 27/06/1995

progr.: CPT-4.0/S

PROVA CPT n. : 8

Parametri penetrometrici					Parametri geotecnici stimati								TERRENO (AGI)
Rp	= resistenza alla punta [kg/cm2]				g	= Peso di volume [t/m3]							
RI	= resistenza lat. locale [kg/cm2]				P'v	= Press. vert. efficace [kg/cm2]							
FR	= RI/Rp x 100 [-]				u	= Press. neutra [kg/cm2]							
Rt	= resistenza totale [kgf]				E	= Modulo di deform. [kg/cm2]							
Quota p.c.:	m				OCR	= Grado di sovracons. [-]							
Falda a m	-1.3 dal p.c.				Cu	= Coesione non drenata [kg/cm2]							
z = prof. max. del tratto esplorato dalla base penetr.					Fi	= Angolo di attrito [gradi]							
					Gmax	= Modulo di taglio din. [kg/cm2]							
z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	0.9	-	-									
0.6	14.1	0.7	5.2	-	1.79	0.11	0.00	50	> 50	0.78	0.0	-	ARGILLA
0.8	11.1	0.4	3.6	-	1.78	0.14	0.00	45	43.6	0.61	0.0	-	ARG.LIM.
1.0	9.1	0.5	5.1	-	1.77	0.18	0.00	40	20.3	0.50	0.0	-	ARGILLA
1.2	14.3	0.5	3.7	-	1.79	0.21	0.00	50	32.7	0.78	0.0	-	ARG.LIM.
1.4	19.3	0.6	3.1	-	1.81	0.23	0.01	58	-	0.00	27.8	-	LIMO-ARG.S
1.6	19.3	0.9	4.5	-	1.81	0.25	0.03	51	43.8	1.05	0.0	-	ARGILLA
1.8	18.3	1.1	6.2	-	1.81	0.26	0.05	51	35.3	1.00	0.0	-	ARGILLA
2.0	26.3	1.0	3.8	-	1.83	0.28	0.07	65	> 50	1.44	0.0	-	ARG.LIM.
2.2	29.4	1.3	4.3	-	1.85	0.30	0.09	71	> 50	1.61	0.0	-	ARGILLA
2.4	28.4	1.3	4.5	-	1.84	0.31	0.11	69	> 50	1.55	0.0	-	ARGILLA
2.6	30.4	1.5	4.8	-	1.85	0.33	0.13	74	> 50	1.66	0.0	-	ARGILLA
2.8	27.4	1.0	3.7	-	1.84	0.35	0.15	67	44.4	1.49	0.0	-	ARG.LIM.
3.0	25.4	0.9	3.4	-	1.83	0.36	0.17	63	35.3	1.38	0.0	-	ARG.LIM.
3.2	16.5	1.1	6.5	-	1.80	0.38	0.19	51	15.0	0.89	0.0	-	ARGILLA
3.4	18.5	1.2	6.5	-	1.81	0.40	0.21	51	17.1	1.00	0.0	-	ARGILLA
3.6	22.5	1.4	6.2	-	1.82	0.41	0.23	56	22.5	1.22	0.0	-	ARGILLA
3.8	20.5	1.3	6.5	-	1.81	0.43	0.25	51	17.7	1.10	0.0	-	ARGILLA
4.0	19.5	1.1	5.8	-	1.81	0.45	0.27	50	15.2	1.04	0.0	-	ARGILLA
4.2	16.7	1.5	9.2	-	1.80	0.46	0.29	46	10.8	0.88	0.0	-	ARG. ORG.
4.4	21.7	1.7	7.7	-	1.82	0.48	0.31	54	16.1	1.16	0.0	-	ARG. ORG.
4.6	30.7	1.3	4.1	-	1.85	0.49	0.33	74	28.3	1.66	0.0	-	ARGILLA
4.8	31.7	1.9	6.1	-	1.85	0.51	0.35	76	28.2	1.71	0.0	-	ARGILLA
5.0	36.7	2.1	5.6	-	1.87	0.53	0.37	87	34.7	1.99	0.0	-	ARGILLA
5.2	32.8	1.7	5.3	-	1.86	0.55	0.39	79	26.6	1.77	0.0	-	ARGILLA
5.4	23.8	1.5	6.2	-	1.83	0.56	0.41	59	14.2	1.27	0.0	-	ARGILLA
5.6	19.8	1.1	5.4	-	1.81	0.58	0.43	50	9.8	1.04	0.0	-	ARGILLA
5.8	21.8	1.7	8.0	-	1.82	0.60	0.45	54	11.0	1.15	0.0	-	ARG. ORG.
6.0	28.8	2.1	7.2	-	1.84	0.61	0.47	70	17.1	1.54	0.0	-	ARG. ORG.
6.2	26.9	1.9	6.9	-	1.84	0.63	0.49	66	14.4	1.43	0.0	-	ARG. ORG.
6.4	21.9	1.3	6.1	-	1.82	0.65	0.51	55	9.6	1.15	0.0	-	ARGILLA
6.6	18.9	1.6	8.5	-	1.81	0.66	0.53	52	7.2	0.98	0.0	-	ARG. ORG.
6.8	29.9	1.9	6.2	-	1.85	0.68	0.55	73	15.2	1.59	0.0	-	ARGILLA
7.0	33.9	1.9	5.7	-	1.86	0.70	0.57	81	18.2	1.81	0.0	-	ARGILLA
7.2	36.0	1.7	4.8	-	1.87	0.71	0.59	86	19.4	1.93	0.0	-	ARGILLA
7.4	36.0	2.1	5.7	-	1.87	0.73	0.61	86	18.6	1.93	0.0	-	ARGILLA
7.6	33.0	1.8	5.4	-	1.86	0.75	0.63	79	15.2	1.76	0.0	-	ARGILLA
7.8	35.0	1.7	4.8	-	1.87	0.76	0.65	84	16.3	1.87	0.0	-	ARGILLA
8.0	20.0	1.9	9.6	-	1.81	0.78	0.67	50	6.0	1.03	0.0	-	ARG. ORG.
8.2	33.2	1.5	4.6	-	1.86	0.80	0.69	80	13.7	1.76	0.0	-	ARGILLA
8.4	26.2	1.3	5.1	-	1.83	0.81	0.71	64	8.7	1.37	0.0	-	ARGILLA

8.6	27.2	1.0	3.7	-	1.84	0.83	0.73	67	9.0	1.42	0.0	-	ARG.LIM.
8.8	45.2	0.9	2.1	-	1.90	0.85	0.75	136	-	0.00	31.4	-	LIMO SABB.
9.0	44.2	2.3	5.3	-	1.90	0.87	0.77	102	19.6	2.36	0.0	-	ARGILLA
9.2	38.3	1.5	3.8	-	1.88	0.89	0.79	90	14.6	2.03	0.0	-	ARG.LIM.
9.4	46.3	1.9	4.0	-	1.91	0.90	0.81	106	19.8	2.48	0.0	-	ARGILLA
9.6	56.3	1.5	2.7	-	1.94	0.92	0.83	169	-	0.00	31.8	-	LIMO-ARG.S
9.8	38.3	2.1	5.4	-	1.88	0.94	0.85	90	13.2	2.03	0.0	-	ARGILLA
10.0	50.3	2.4	4.8	-	1.92	0.96	0.87	114	20.7	2.69	0.0	-	ARGILLA
10.2	48.4	2.5	5.1	-	1.91	0.98	0.89	110	18.7	2.59	0.0	-	ARGILLA
10.4	51.4	1.5	2.9	-	1.93	1.00	0.91	154	-	0.00	31.2	-	LIMO-ARG.S
10.6	45.4	1.5	3.4	-	1.90	1.01	0.93	105	15.6	2.42	0.0	-	ARG.LIM.
10.8	44.4	1.5	3.5	-	1.90	1.03	0.95	103	14.5	2.36	0.0	-	ARG.LIM.
11.0	44.4	0.9	2.1	-	1.90	1.05	0.97	133	-	0.00	31.2	-	LIMO SABB.



PROVA PENETROMETRICA STATICA n. 9

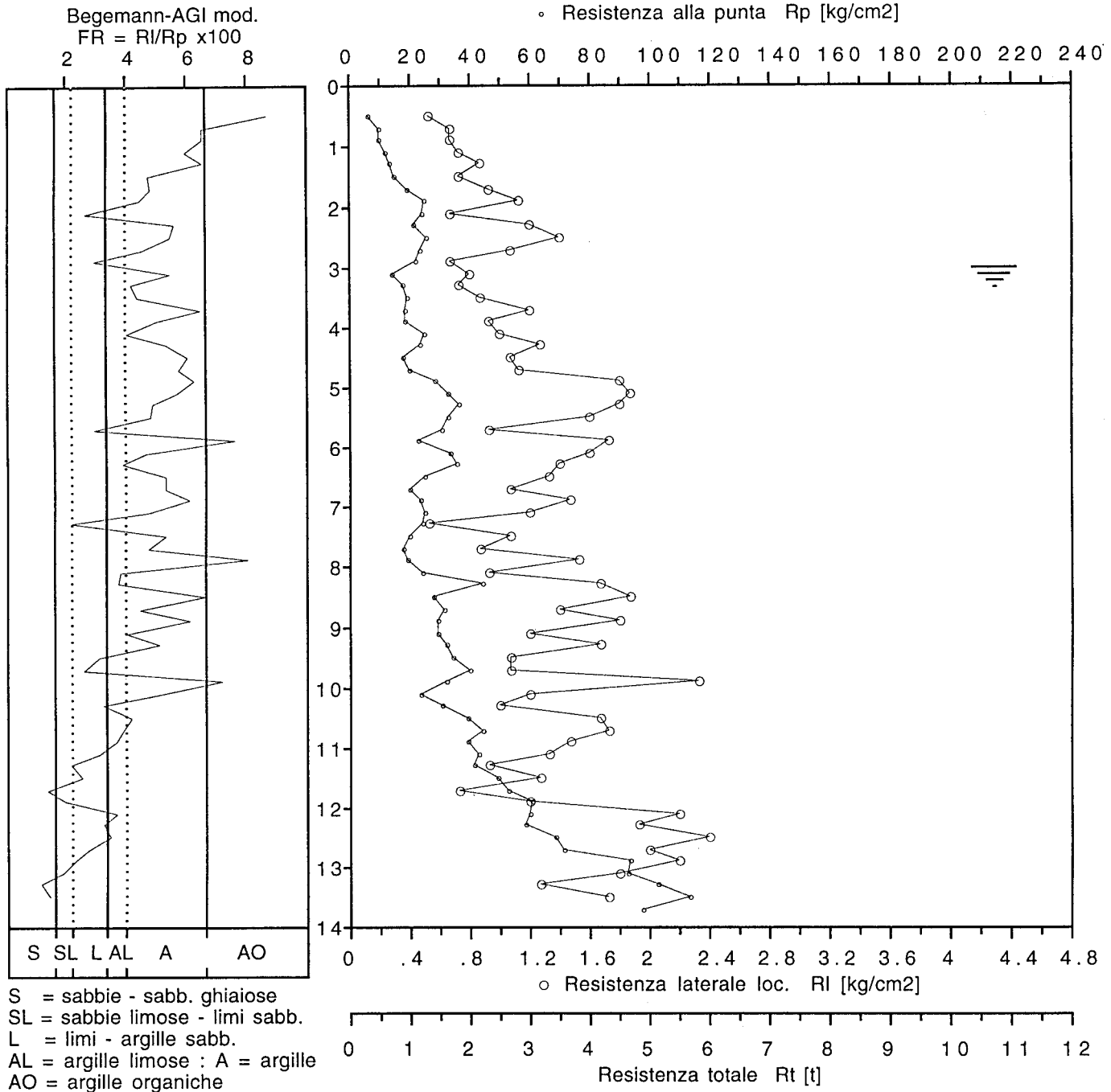
6003

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 27/06/1995

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA n. 9

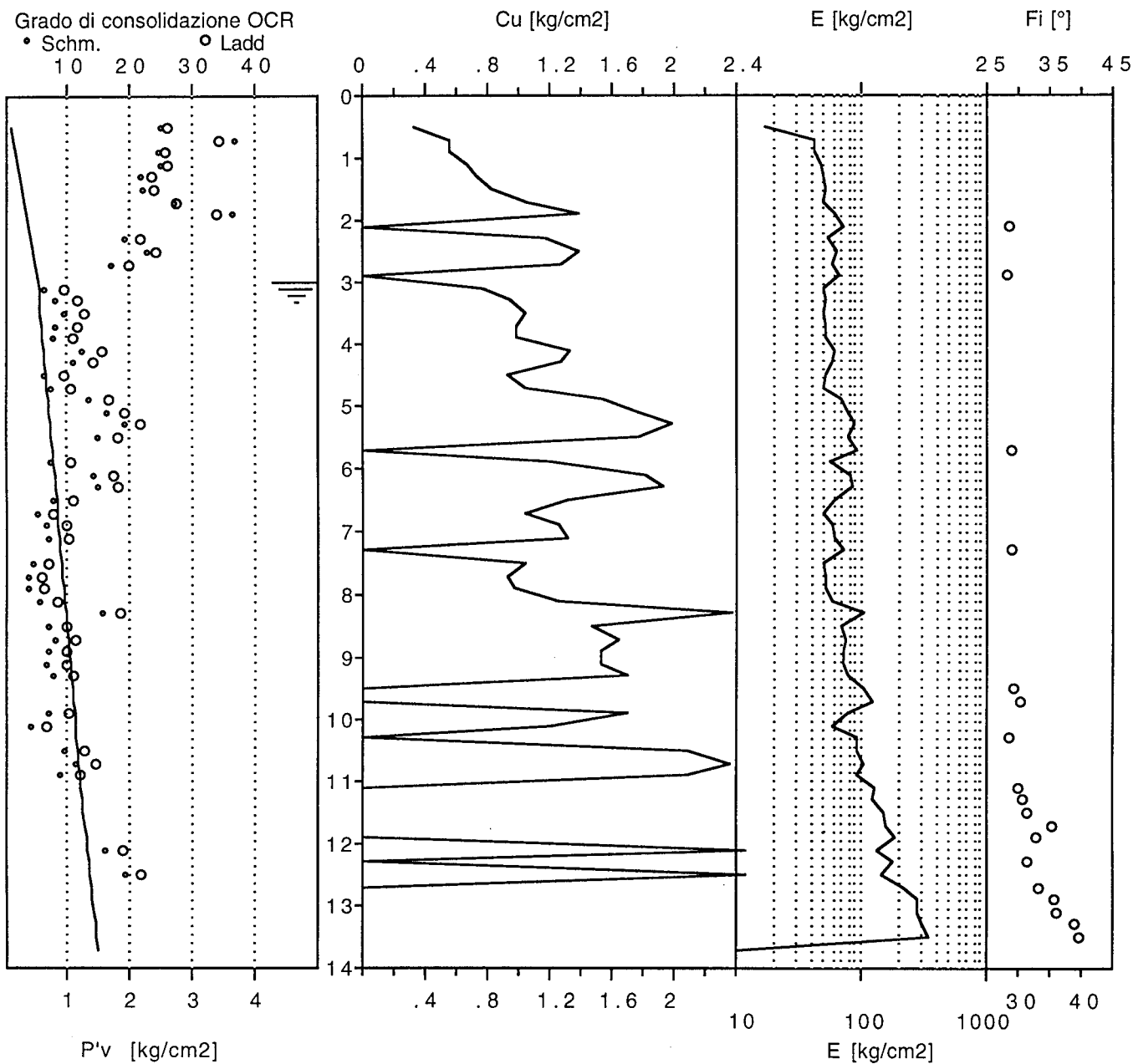
Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 27/06/1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Impresa esecutrice :

Data : 27/06/1995

progr.: CPT-4.0/S

PROVA CPT n. : 9

Parametri penetrometrici

Rp = resistenza alla punta [kg/cm2]

RI = resistenza lat. locale [kg/cm2]

FR = RI/Rp x 100 [-]

Rt = resistenza totale [kgf]

Quota p.c.: m

Falda a m -3 dal p.c.

z = prof. max. del tratto esplorato dalla base penetr.

Parametri geotecnici stimati

g = Peso di volume [t/m3]

P'v = Press. vert. efficace [kg/cm2]

u = Press. neutra [kg/cm2]

E = Modulo di deform. [kg/cm2]

OCR = Grado di sovracons. [-]

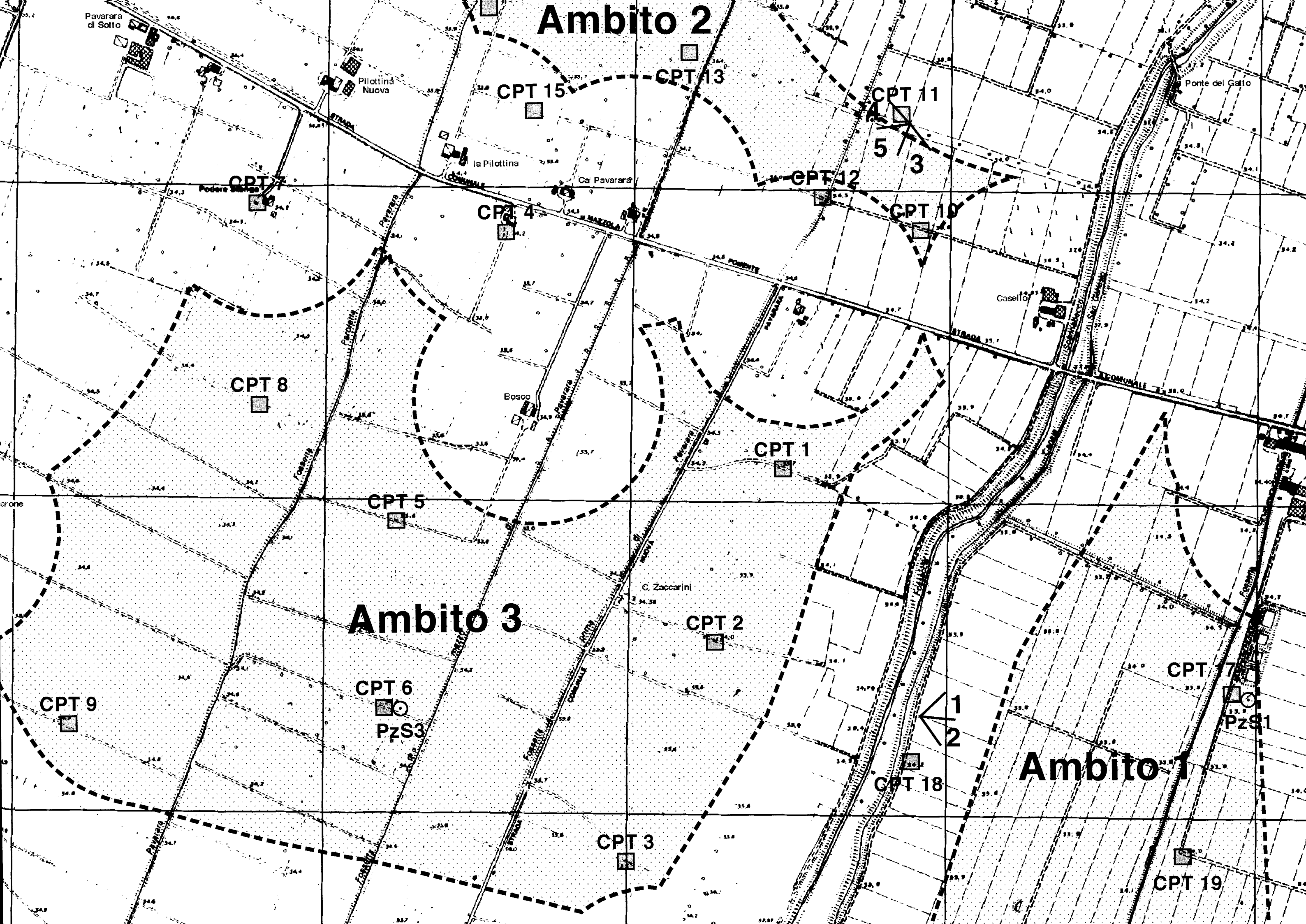
Cu = Coesione non drenata [kg/cm2]

Fi = Angolo di attrito [gradi]

Gmax = Modulo di taglio din. [kg/cm2]

z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	0.5	-	-	-	-	-	-	-	-	-	-	-
0.6	6.1	0.5	8.7	-	1.76	0.11	0.00	17	24.9	0.33	0.0	-	ARG. ORG.
0.8	10.1	0.7	6.6	-	1.78	0.14	0.00	43	36.9	0.55	0.0	-	ARGILLA
1.0	10.1	0.7	6.6	-	1.78	0.18	0.00	43	24.6	0.55	0.0	-	ARGILLA
1.2	12.3	0.7	6.0	-	1.78	0.21	0.00	47	25.0	0.67	0.0	-	ARGILLA
1.4	13.3	0.9	6.5	-	1.79	0.25	0.00	49	21.8	0.72	0.0	-	ARGILLA
1.6	15.3	0.7	4.8	-	1.79	0.29	0.00	51	22.1	0.83	0.0	-	ARGILLA
1.8	19.3	0.9	4.8	-	1.81	0.32	0.00	51	27.1	1.05	0.0	-	ARGILLA
2.0	25.3	1.1	4.5	-	1.83	0.36	0.00	62	36.5	1.38	0.0	-	ARGILLA
2.2	24.4	0.7	2.7	-	1.83	0.39	0.00	73	-	0.00	28.7	-	LIMO-ARG.S
2.4	21.4	1.2	5.6	-	1.82	0.43	0.00	53	19.3	1.16	0.0	-	ARGILLA
2.6	25.4	1.4	5.5	-	1.83	0.47	0.00	63	22.7	1.38	0.0	-	ARGILLA
2.8	23.4	1.1	4.6	-	1.82	0.50	0.00	58	17.2	1.27	0.0	-	ARGILLA
3.0	22.4	0.7	3.0	-	1.82	0.54	0.00	67	-	0.00	28.2	-	LIMO-ARG.S
3.2	14.5	0.8	5.5	-	1.79	0.56	0.02	50	6.5	0.77	0.0	-	ARGILLA
3.4	17.5	0.7	4.2	-	1.80	0.57	0.04	51	8.4	0.94	0.0	-	ARGILLA
3.6	19.5	0.9	4.4	-	1.81	0.59	0.06	50	9.6	1.05	0.0	-	ARGILLA
3.8	18.5	1.2	6.5	-	1.81	0.61	0.08	51	8.4	0.99	0.0	-	ARGILLA
4.0	18.5	0.9	5.0	-	1.81	0.62	0.10	51	8.0	0.99	0.0	-	ARGILLA
4.2	24.7	1.0	4.1	-	1.83	0.64	0.12	61	12.4	1.33	0.0	-	ARGILLA
4.4	23.7	1.3	5.4	-	1.83	0.65	0.14	59	11.0	1.27	0.0	-	ARGILLA
4.6	17.7	1.1	6.0	-	1.80	0.67	0.16	51	6.5	0.93	0.0	-	ARGILLA
4.8	19.7	1.1	5.8	-	1.81	0.69	0.18	50	7.4	1.04	0.0	-	ARGILLA
5.0	28.7	1.8	6.3	-	1.84	0.70	0.20	70	13.5	1.54	0.0	-	ARGILLA
5.2	32.8	1.9	5.7	-	1.86	0.72	0.22	79	16.4	1.77	0.0	-	ARGILLA
5.4	36.8	1.8	4.9	-	1.87	0.74	0.24	87	19.3	1.99	0.0	-	ARGILLA
5.6	32.8	1.6	4.9	-	1.86	0.76	0.26	79	15.1	1.76	0.0	-	ARGILLA
5.8	30.8	0.9	3.0	-	1.85	0.77	0.28	92	-	0.00	29.0	-	LIMO-ARG.S
6.0	22.8	1.7	7.6	-	1.82	0.79	0.30	57	7.5	1.21	0.0	-	ARG. ORG.
6.2	33.9	1.6	4.7	-	1.86	0.81	0.32	81	14.2	1.82	0.0	-	ARGILLA
6.4	35.9	1.4	3.9	-	1.87	0.82	0.34	85	15.2	1.93	0.0	-	ARG. LIM.
6.6	24.9	1.3	5.4	-	1.83	0.84	0.36	61	7.8	1.32	0.0	-	ARGILLA
6.8	19.9	1.1	5.4	-	1.81	0.86	0.38	50	5.2	1.04	0.0	-	ARGILLA
7.0	23.9	1.5	6.1	-	1.83	0.87	0.40	59	6.8	1.26	0.0	-	ARGILLA
7.2	25.0	1.2	4.8	-	1.83	0.89	0.42	62	7.1	1.32	0.0	-	ARGILLA
7.4	24.0	0.5	2.2	-	1.83	0.91	0.44	72	-	0.00	29.1	-	LIMO-ARG.S
7.6	20.0	1.1	5.3	-	1.81	0.92	0.46	50	4.7	1.04	0.0	-	ARGILLA
7.8	18.0	0.9	4.8	-	1.80	0.94	0.48	51	3.9	0.92	0.0	-	ARGILLA
8.0	19.0	1.5	8.1	-	1.81	0.95	0.50	52	4.1	0.98	0.0	-	ARG. ORG.
8.2	24.2	0.9	3.9	-	1.83	0.97	0.52	60	5.8	1.26	0.0	-	ARG. LIM.
8.4	44.2	1.7	3.8	-	1.90	0.99	0.54	102	15.7	2.37	0.0	-	ARG. LIM.

8.6	28.2	1.9	6.6	-	1.84	1.01	0.56	69	7.0	1.48	0.0	-	ARGILLA
8.8	31.2	1.4	4.5	-	1.85	1.02	0.58	75	8.1	1.64	0.0	-	ARGILLA
9.0	29.2	1.8	6.2	-	1.85	1.04	0.60	71	7.1	1.53	0.0	-	ARGILLA
9.2	29.3	1.2	4.1	-	1.85	1.06	0.62	71	6.9	1.53	0.0	-	ARGILLA
9.4	32.3	1.7	5.2	-	1.86	1.07	0.64	78	7.9	1.70	0.0	-	ARGILLA
9.6	34.3	1.1	3.1	-	1.86	1.09	0.66	103	-	0.00	29.2	-	LIMO-ARG.S
9.8	40.3	1.1	2.6	-	1.89	1.11	0.68	121	-	0.00	30.3	-	LIMO-ARG.S
10.0	32.3	2.3	7.2	-	1.86	1.13	0.70	78	7.3	1.69	0.0	-	ARG. ORG.
10.2	23.4	1.2	5.1	-	1.82	1.14	0.72	58	4.2	1.20	0.0	-	ARGILLA.
10.4	30.4	1.0	3.3	-	1.85	1.16	0.74	91	-	0.00	28.6	-	LIMO-ARG.S
10.6	39.4	1.7	4.2	-	1.88	1.18	0.76	93	9.5	2.08	0.0	-	ARGILLA
10.8	44.4	1.7	3.9	-	1.90	1.19	0.78	103	11.3	2.36	0.0	-	ARG.LIM.
11.0	39.4	1.5	3.7	-	1.88	1.21	0.80	93	9.0	2.08	0.0	-	ARG.LIM.
11.2	42.6	1.3	3.1	-	1.89	1.23	0.82	128	-	0.00	30.0	-	LIMO-ARG.S
11.4	41.6	0.9	2.2	-	1.89	1.25	0.84	125	-	0.00	30.8	-	LIMO-ARG.S
11.6	49.6	1.3	2.6	-	1.92	1.27	0.86	149	-	0.00	31.3	-	LIMO-ARG.S
11.8	52.6	0.7	1.4	-	1.93	1.29	0.88	158	-	0.00	35.5	561	SABBIA
12.0	60.6	1.2	2.0	-	1.96	1.30	0.90	182	-	0.00	32.9	-	LIMO SABB.
12.2	59.7	2.2	3.7	-	1.95	1.32	0.92	131	15.9	3.19	0.0	-	ARG.LIM.
12.4	58.7	1.9	3.3	-	1.95	1.34	0.94	176	-	0.00	31.4	-	LIMO-ARG.S
12.6	68.7	2.4	3.5	-	1.99	1.36	0.96	145	19.4	3.69	0.0	-	ARG.LIM.
12.8	71.7	2.0	2.8	-	2.00	1.38	0.98	215	-	0.00	33.2	-	LIMO-ARG.S
13.0	93.7	2.2	2.3	-	2.08	1.40	1.00	281	-	0.00	35.9	-	LIMO-ARG.S
13.2	92.8	1.8	1.9	-	2.07	1.43	1.02	278	-	0.00	36.2	-	LIMO SABB.
13.4	102.8	1.3	1.2	-	2.11	1.45	1.04	308	-	0.00	39.1	846	SABBIA
13.6	113.8	1.7	1.5	-	2.15	1.47	1.06	341	-	0.00	39.6	900	SABBIA
13.8	97.8	-	-	-	2.09	1.49	1.08	293	-	-	-	-	-



Ambito 2

CPT 15

CPT 13

CPT 11

4

5

3

CPT 12

CPT 10

CPT 4

CPT 7

CPT 8

CPT 1

CPT 5

Ambito 3

CPT 2

CPT 6

PzS3

CPT 9

CPT 3

CPT 18

Ambito 1

CPT 7

PzS1

CPT 19

PROVA PENETROMETRICA STATICA n. 10

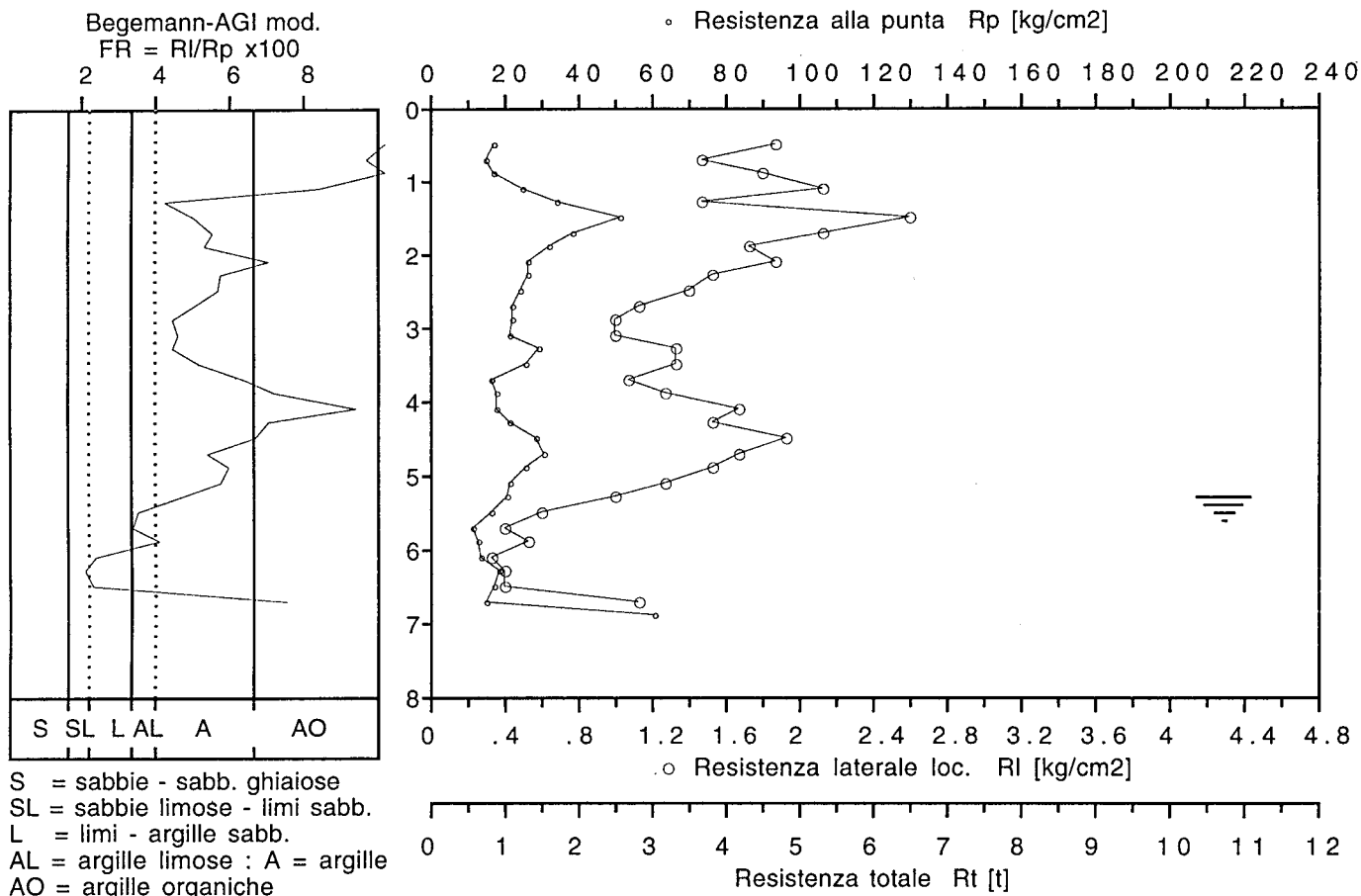
6010

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 29/06/1995

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA n. 10

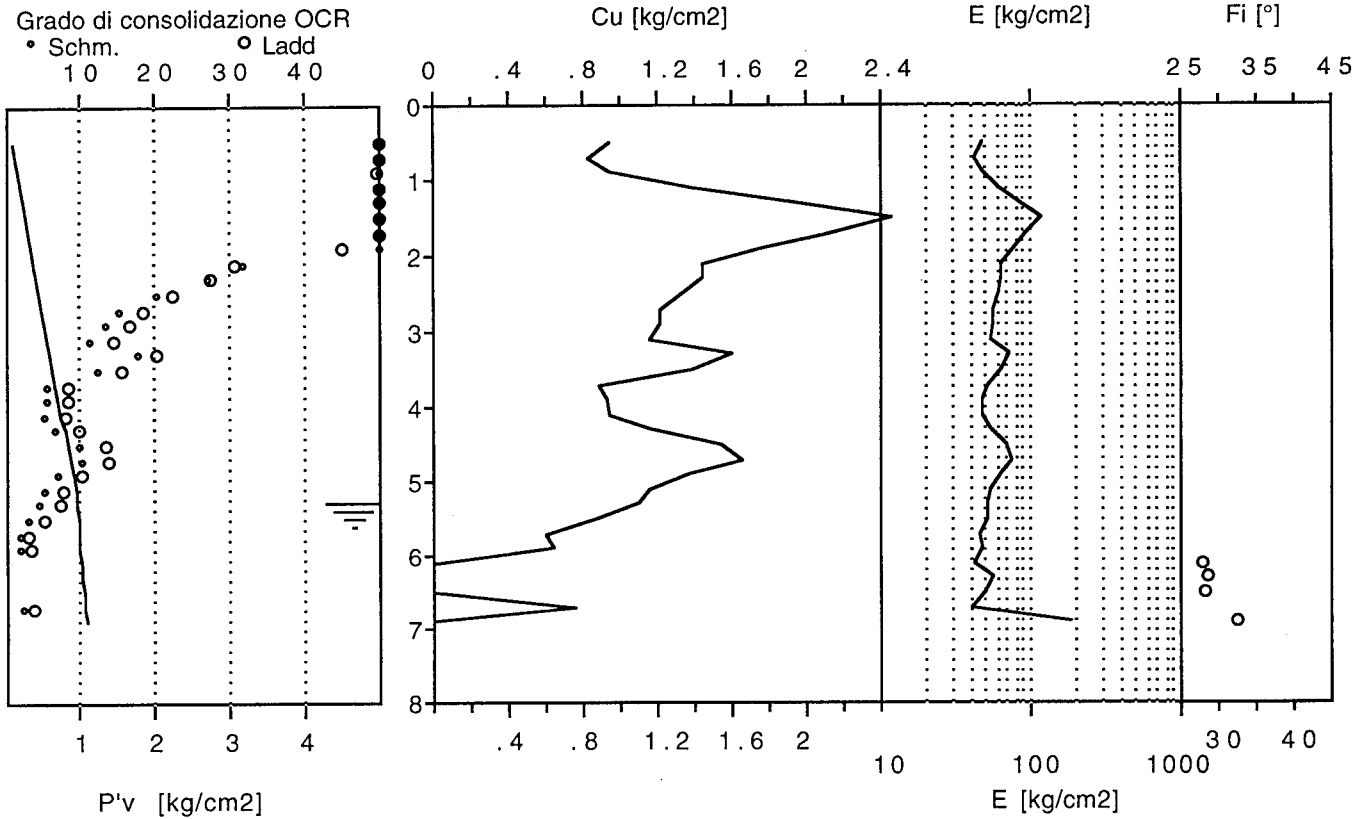
Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 29/06/1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Impresa esecutrice :

Data : 29/06/1995

progr.: CPT-4.0/S

PROVA CPT n. : 10

Parametri penetrometrici

Rp = resistenza alla punta [kg/cm2]
 RI = resistenza lat. locale [kg/cm2]
 FR = RI/Rp x 100 [-]
 Rt = resistenza totale [kgf]

Quota p.c.: m

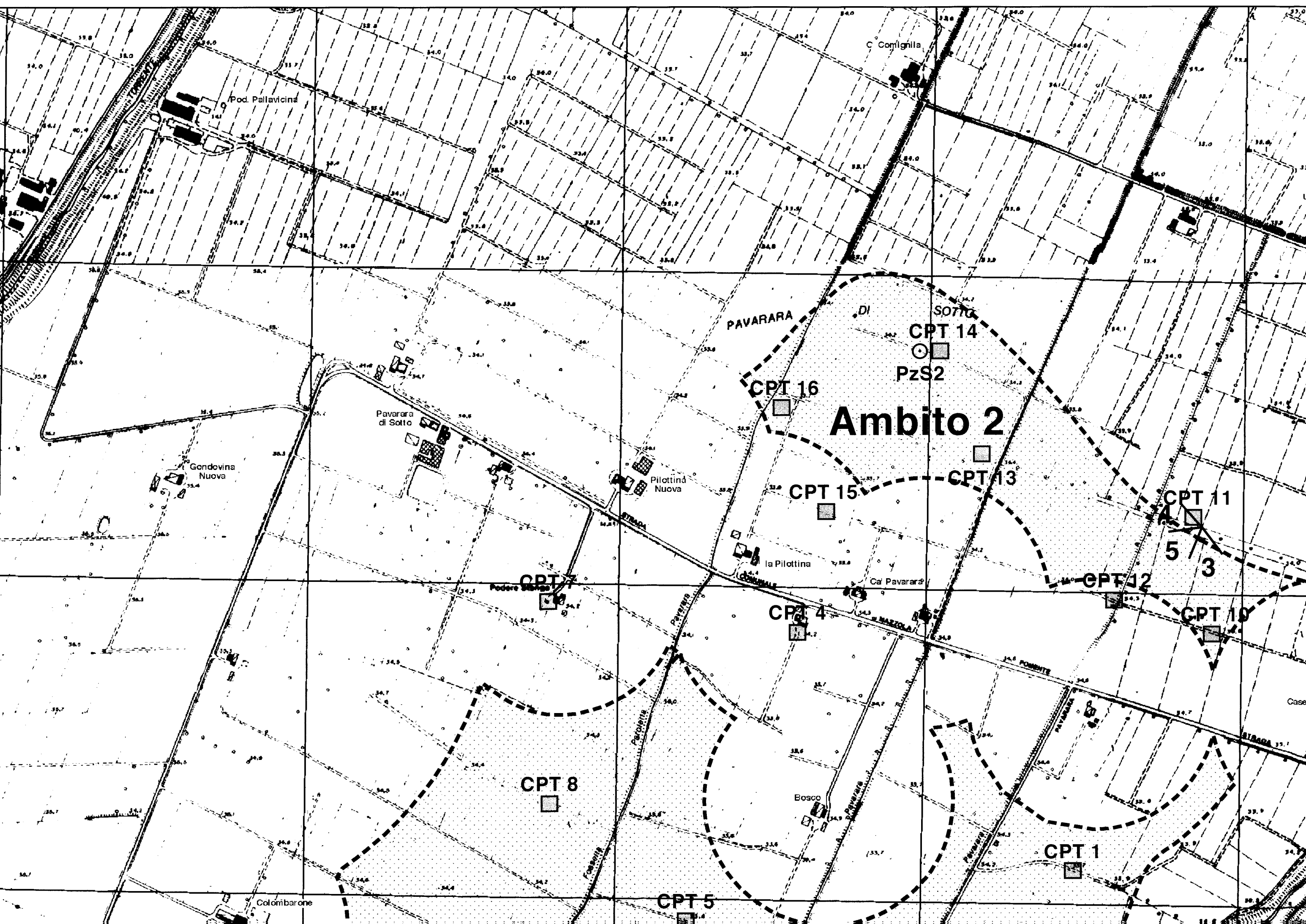
Falda a m -5.3 dal p.c.

z = prof. max. del tratto esplorato dalla base penetr.

Parametri geotecnici stimati

g = Peso di volume [t/m3]
 P'v = Press. vert. efficace [kg/cm2]
 u = Press. neutra [kg/cm2]
 E = Modulo di deform. [kg/cm2]
 OCR = Grado di sovracons. [-]
 Cu = Coesione non drenata [kg/cm2]
 Fi = Angolo di attrito [gradi]
 Gmax = Modulo di taglio din. [kg/cm2]

z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	2.7	-	-	-	-	-	-	-	-	-	-	-
0.6	17.1	1.9	10.9	-	1.80	0.11	0.00	47	> 50	0.95	0.0	-	ARG. ORG.
0.8	15.1	1.5	9.7	-	1.79	0.14	0.00	42	> 50	0.83	0.0	-	ARG. ORG.
1.0	17.1	1.8	10.5	-	1.80	0.18	0.00	47	> 50	0.94	0.0	-	ARG. ORG.
1.2	25.3	2.1	8.4	-	1.83	0.22	0.00	62	> 50	1.39	0.0	-	ARG. ORG.
1.4	34.3	1.5	4.3	-	1.86	0.25	0.00	82	> 50	1.89	0.0	-	ARGILLA
1.6	51.3	2.6	5.1	-	1.92	0.29	0.00	116	> 50	2.83	0.0	-	ARGILLA
1.8	38.3	2.1	5.6	-	1.88	0.33	0.00	90	> 50	2.11	0.0	-	ARGILLA
2.0	32.3	1.7	5.4	-	1.86	0.37	0.00	78	> 50	1.77	0.0	-	ARGILLA
2.2	26.4	1.9	7.1	-	1.84	0.40	0.00	65	31.8	1.44	0.0	-	ARG. ORG.
2.4	26.4	1.5	5.8	-	1.84	0.44	0.00	65	27.1	1.44	0.0	-	ARGILLA
2.6	24.4	1.4	5.7	-	1.83	0.48	0.00	60	20.4	1.33	0.0	-	ARGILLA
2.8	22.4	1.1	5.1	-	1.82	0.51	0.00	56	15.4	1.22	0.0	-	ARGILLA
3.0	22.4	1.0	4.5	-	1.82	0.55	0.00	56	13.7	1.21	0.0	-	ARGILLA
3.2	21.5	1.0	4.6	-	1.82	0.59	0.00	54	11.4	1.16	0.0	-	ARGILLA
3.4	29.5	1.3	4.5	-	1.85	0.62	0.00	72	17.8	1.61	0.0	-	ARGILLA
3.6	25.5	1.3	5.2	-	1.83	0.66	0.00	63	12.5	1.38	0.0	-	ARGILLA
3.8	16.5	1.1	6.5	-	1.80	0.70	0.00	51	5.6	0.88	0.0	-	ARGILLA
4.0	17.5	1.3	7.2	-	1.80	0.73	0.00	48	5.7	0.93	0.0	-	ARG. ORG.
4.2	17.7	1.7	9.4	-	1.80	0.77	0.00	49	5.3	0.94	0.0	-	ARG. ORG.
4.4	21.7	1.5	7.1	-	1.82	0.80	0.00	54	6.8	1.16	0.0	-	ARG. ORG.
4.6	28.7	1.9	6.7	-	1.84	0.84	0.00	70	10.1	1.54	0.0	-	ARG. ORG.
4.8	30.7	1.7	5.4	-	1.85	0.88	0.00	74	10.5	1.65	0.0	-	ARGILLA
5.0	25.7	1.5	6.0	-	1.83	0.91	0.00	63	7.3	1.37	0.0	-	ARGILLA
5.2	21.8	1.3	5.8	-	1.82	0.95	0.00	54	5.3	1.16	0.0	-	ARGILLA
5.4	20.8	1.0	4.8	-	1.81	0.97	0.01	52	4.8	1.10	0.0	-	ARGILLA
5.6	16.8	0.6	3.6	-	1.80	0.98	0.03	51	3.4	0.88	0.0	-	ARG. LIM.
5.8	11.8	0.4	3.4	-	1.78	1.00	0.05	46	2.0	0.60	0.0	-	ARG. LIM.
6.0	12.8	0.5	4.2	-	1.79	1.01	0.07	48	2.2	0.65	0.0	-	ARGILLA
6.2	13.9	0.3	2.4	-	1.79	1.03	0.09	42	-	0.00	27.9	-	LIMO-ARG.S
6.4	18.9	0.4	2.1	-	1.81	1.05	0.11	57	-	0.00	28.7	-	LIMO SABB.
6.6	16.9	0.4	2.4	-	1.80	1.06	0.13	51	-	0.00	28.2	-	LIMO-ARG.S
6.8	14.9	1.1	7.6	-	1.79	1.08	0.15	41	2.5	0.76	0.0	-	ARG. ORG.
7.0	60.9	1.5	2.4	-	1.96	1.10	0.17	183	-	0.00	32.6	-	LIMO-ARG.S



PROVA PENETROMETRICA STATICA n. 11

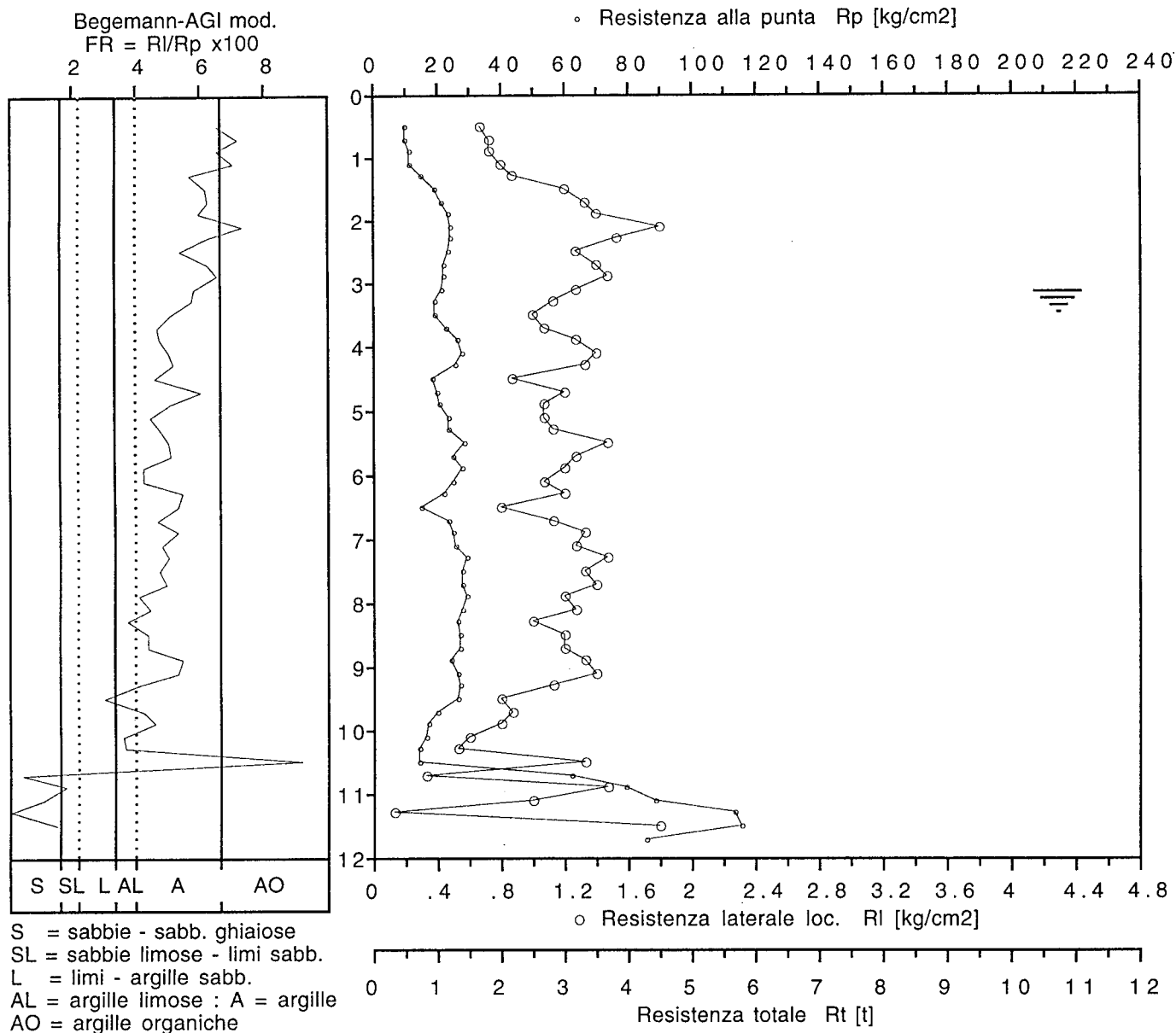
6011

Committente : Amm.ne Comunale di S.Secondo

Localita' :

Data : 29/06/1995

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA n. 11

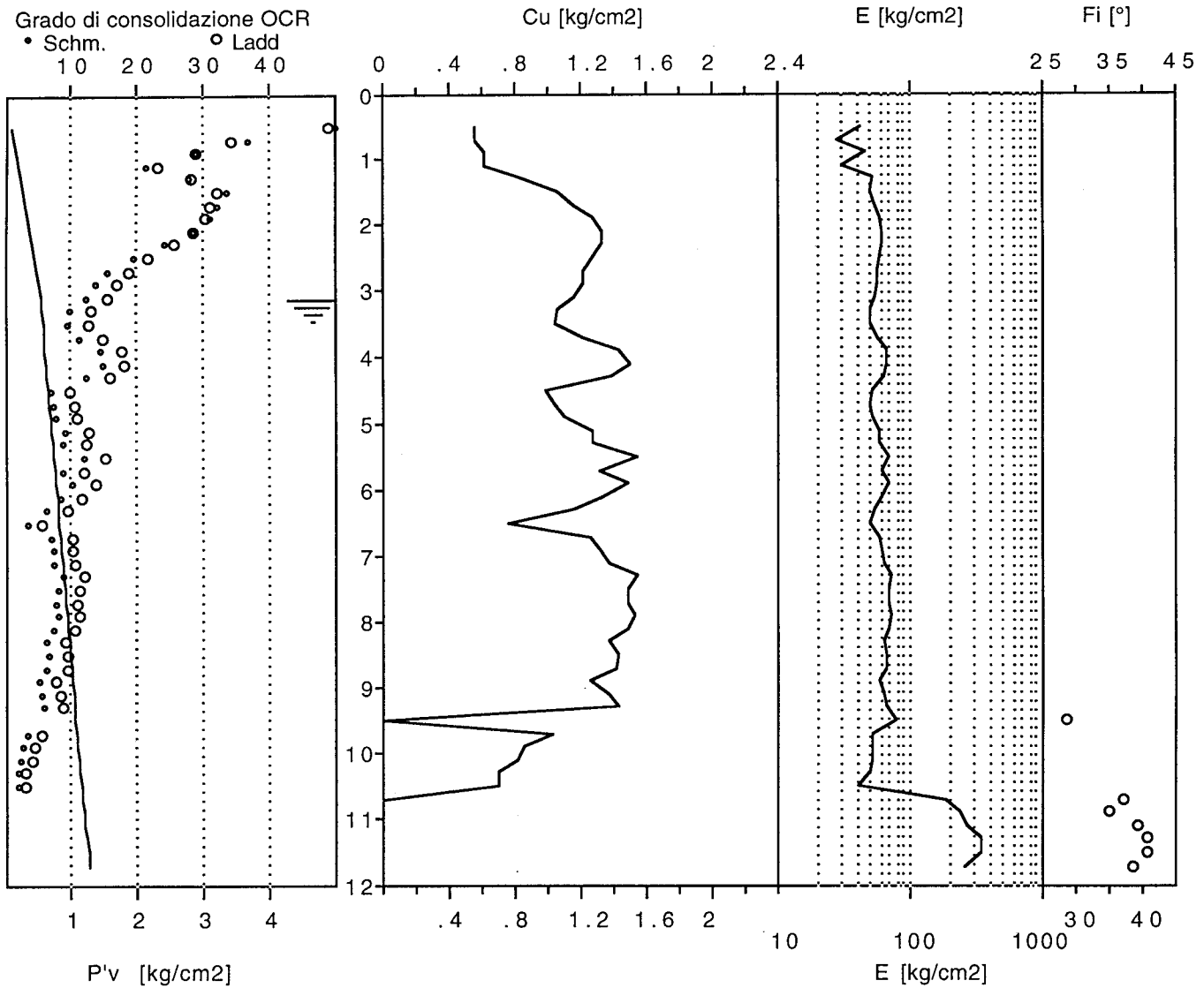
Committente : Amm.ne Comunale di S.Secondo

Localita' :

Data : 29/06/1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S.Secondo

Localita' :

Impresa esecutrice :

Data : 29/06/1995

progr.: CPT-4.0/S

PROVA CPT n. : 11

Parametri penetrometrici

Rp = resistenza alla punta [kg/cm2]

RI = resistenza lat. locale [kg/cm2]

FR = RI/Rp x 100 [-]

Rt = resistenza totale [kgf]

Quota p.c.: m

Falda a m -3.15 dal p.c.

z = prof. max. del tratto esplorato dalla base penetr.

Parametri geotecnici stimati

g = Peso di volume [t/m3]

P'v = Press. vert. efficace [kg/cm2]

u = Press. neutra [kg/cm2]

E = Modulo di deform. [kg/cm2]

OCR = Grado di sovracons. [-]

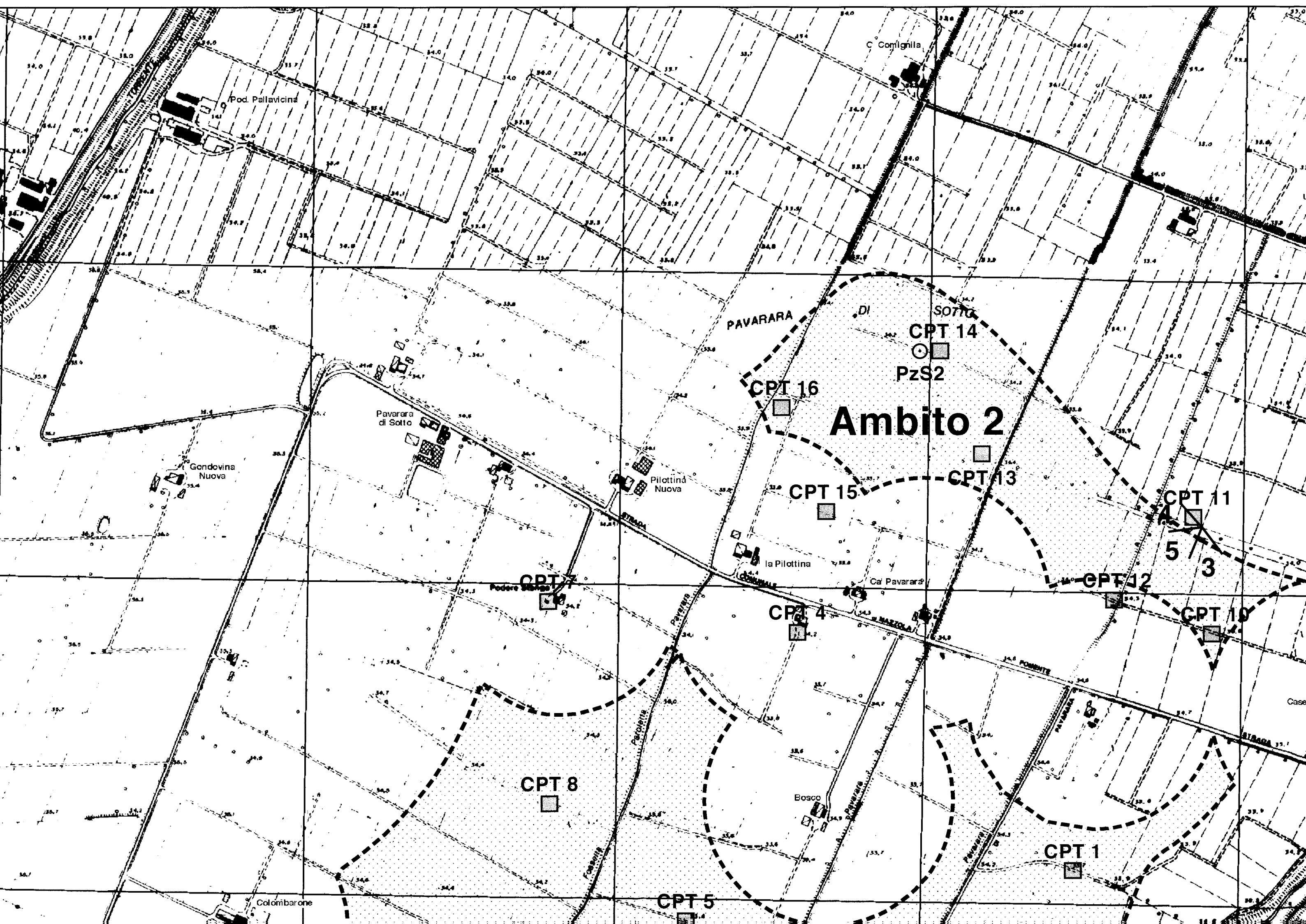
Cu = Coesione non drenata [kg/cm2]

Fi = Angolo di attrito [gradi]

Gmax = Modulo di taglio din. [kg/cm2]

z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	0.5	-	-				-	-	-	-	-	
0.6	10.1	0.7	6.6	-	1.78	0.11	0.00	43	> 50	0.56	0.0	-	ARGILLA
0.8	10.1	0.7	7.2	-	1.78	0.14	0.00	28	36.8	0.55	0.0	-	ARG. ORG.
1.0	11.1	0.7	6.6	-	1.78	0.18	0.00	45	29.1	0.61	0.0	-	ARGILLA
1.2	11.3	0.8	7.1	-	1.78	0.21	0.00	31	21.4	0.61	0.0	-	ARG. ORG.
1.4	15.3	0.9	5.7	-	1.79	0.25	0.00	51	28.0	0.83	0.0	-	ARGILLA
1.6	19.3	1.2	6.2	-	1.81	0.29	0.00	51	33.5	1.05	0.0	-	ARGILLA
1.8	21.3	1.3	6.3	-	1.82	0.32	0.00	53	32.2	1.16	0.0	-	ARGILLA
2.0	23.3	1.4	6.0	-	1.82	0.36	0.00	58	31.2	1.27	0.0	-	ARGILLA
2.2	24.4	1.8	7.4	-	1.83	0.40	0.00	60	28.5	1.33	0.0	-	ARG. ORG.
2.4	24.4	1.5	6.3	-	1.83	0.43	0.00	60	24.3	1.33	0.0	-	ARGILLA
2.6	23.4	1.3	5.4	-	1.82	0.47	0.00	58	19.5	1.27	0.0	-	ARGILLA
2.8	22.4	1.4	6.3	-	1.82	0.51	0.00	56	15.8	1.22	0.0	-	ARGILLA
3.0	22.4	1.5	6.6	-	1.82	0.54	0.00	56	14.0	1.21	0.0	-	ARGILLA
3.2	21.5	1.3	5.9	-	1.82	0.56	0.01	54	12.4	1.16	0.0	-	ARGILLA
3.4	19.5	1.1	5.8	-	1.81	0.57	0.03	50	10.0	1.05	0.0	-	ARGILLA
3.6	19.5	1.0	5.1	-	1.81	0.59	0.05	50	9.5	1.05	0.0	-	ARGILLA
3.8	22.5	1.1	4.7	-	1.82	0.61	0.07	56	11.6	1.21	0.0	-	ARGILLA
4.0	26.5	1.3	4.8	-	1.84	0.62	0.09	65	14.7	1.43	0.0	-	ARGILLA
4.2	27.7	1.4	5.1	-	1.84	0.64	0.11	68	15.0	1.49	0.0	-	ARGILLA
4.4	25.7	1.3	5.2	-	1.83	0.66	0.13	63	12.6	1.38	0.0	-	ARGILLA
4.6	18.7	0.9	4.6	-	1.81	0.67	0.15	51	7.1	0.99	0.0	-	ARGILLA
4.8	19.7	1.2	6.1	-	1.81	0.69	0.17	50	7.4	1.04	0.0	-	ARGILLA
5.0	20.7	1.1	5.2	-	1.81	0.71	0.19	52	7.7	1.10	0.0	-	ARGILLA
5.2	23.8	1.1	4.5	-	1.83	0.72	0.21	59	9.4	1.27	0.0	-	ARGILLA
5.4	23.8	1.1	4.8	-	1.83	0.74	0.23	59	9.0	1.27	0.0	-	ARGILLA
5.6	28.8	1.5	5.1	-	1.84	0.76	0.25	70	12.0	1.54	0.0	-	ARGILLA
5.8	24.8	1.3	5.1	-	1.83	0.77	0.27	61	9.0	1.32	0.0	-	ARGILLA
6.0	27.8	1.2	4.3	-	1.84	0.79	0.29	68	10.5	1.48	0.0	-	ARGILLA
6.2	24.9	1.1	4.3	-	1.83	0.81	0.31	61	8.4	1.32	0.0	-	ARGILLA
6.4	21.9	1.2	5.5	-	1.82	0.82	0.33	55	6.6	1.15	0.0	-	ARGILLA
6.6	14.9	0.8	5.4	-	1.79	0.84	0.35	51	3.5	0.76	0.0	-	ARGILLA
6.8	23.9	1.1	4.7	-	1.83	0.85	0.37	59	7.1	1.26	0.0	-	ARGILLA
7.0	24.9	1.3	5.4	-	1.83	0.87	0.39	61	7.3	1.31	0.0	-	ARGILLA
7.2	26.0	1.3	4.9	-	1.83	0.89	0.41	64	7.7	1.37	0.0	-	ARGILLA
7.4	29.0	1.5	5.1	-	1.84	0.90	0.43	71	8.9	1.54	0.0	-	ARGILLA
7.6	28.0	1.3	4.8	-	1.84	0.92	0.45	68	8.1	1.48	0.0	-	ARGILLA
7.8	28.0	1.4	5.0	-	1.84	0.94	0.47	68	7.9	1.48	0.0	-	ARGILLA
8.0	29.0	1.2	4.1	-	1.84	0.95	0.49	71	8.1	1.53	0.0	-	ARGILLA
8.2	28.2	1.3	4.5	-	1.84	0.97	0.51	69	7.5	1.48	0.0	-	ARGILLA
8.4	26.2	1.0	3.8	-	1.83	0.99	0.53	64	6.4	1.37	0.0	-	ARG.LIM.

8.6	27.2	1.2	4.4	-	1.84	1.01	0.55	67	6.6	1.42	0.0	-	ARGILLA
8.8	27.2	1.2	4.4	-	1.84	1.02	0.57	67	6.5	1.42	0.0	-	ARGILLA
9.0	24.2	1.3	5.5	-	1.83	1.04	0.59	60	5.2	1.25	0.0	-	ARGILLA
9.2	26.3	1.4	5.3	-	1.83	1.06	0.61	65	5.8	1.37	0.0	-	ARGILLA
9.4	27.3	1.1	4.2	-	1.84	1.07	0.63	67	6.0	1.42	0.0	-	ARGILLA
9.6	26.3	0.8	3.0	-	1.83	1.09	0.65	79	-	0.00	28.5	-	LIMO-ARG.S
9.8	20.3	0.9	4.3	-	1.81	1.10	0.67	51	3.6	1.03	0.0	-	ARGILLA
10.0	17.3	0.8	4.6	-	1.80	1.12	0.69	51	2.8	0.86	0.0	-	ARGILLA
10.2	16.4	0.6	3.7	-	1.80	1.14	0.71	51	2.5	0.81	0.0	-	ARG.LIM.
10.4	14.4	0.5	3.7	-	1.79	1.15	0.73	50	2.0	0.70	0.0	-	ARG.LIM.
10.6	14.4	1.3	9.2	-	1.79	1.17	0.75	40	2.0	0.70	0.0	-	ARG.ORG.
10.8	62.4	0.3	0.5	-	1.96	1.19	0.77	187	-	0.00	37.1	623	SABBIA
11.0	79.4	1.5	1.8	-	2.03	1.21	0.79	238	-	0.00	35.0	-	SABBIA LIM.
11.2	88.6	1.0	1.1	-	2.06	1.23	0.81	266	-	0.00	39.1	772	SABBIA
11.4	113.6	0.1	0.1	-	2.15	1.25	0.83	341	-	0.00	40.6	899	SABBIA
11.6	115.6	1.8	1.6	-	2.16	1.28	0.85	347	-	0.00	40.6	908	SABBIA
11.8	85.6	0.7	0.9	-	2.05	1.30	0.87	257	-	0.00	38.6	756	SABBIA



PROVA PENETROMETRICA STATICA n. 12

6012

Committente : Amm.ne Comunale di S.Secondo

Localita' :

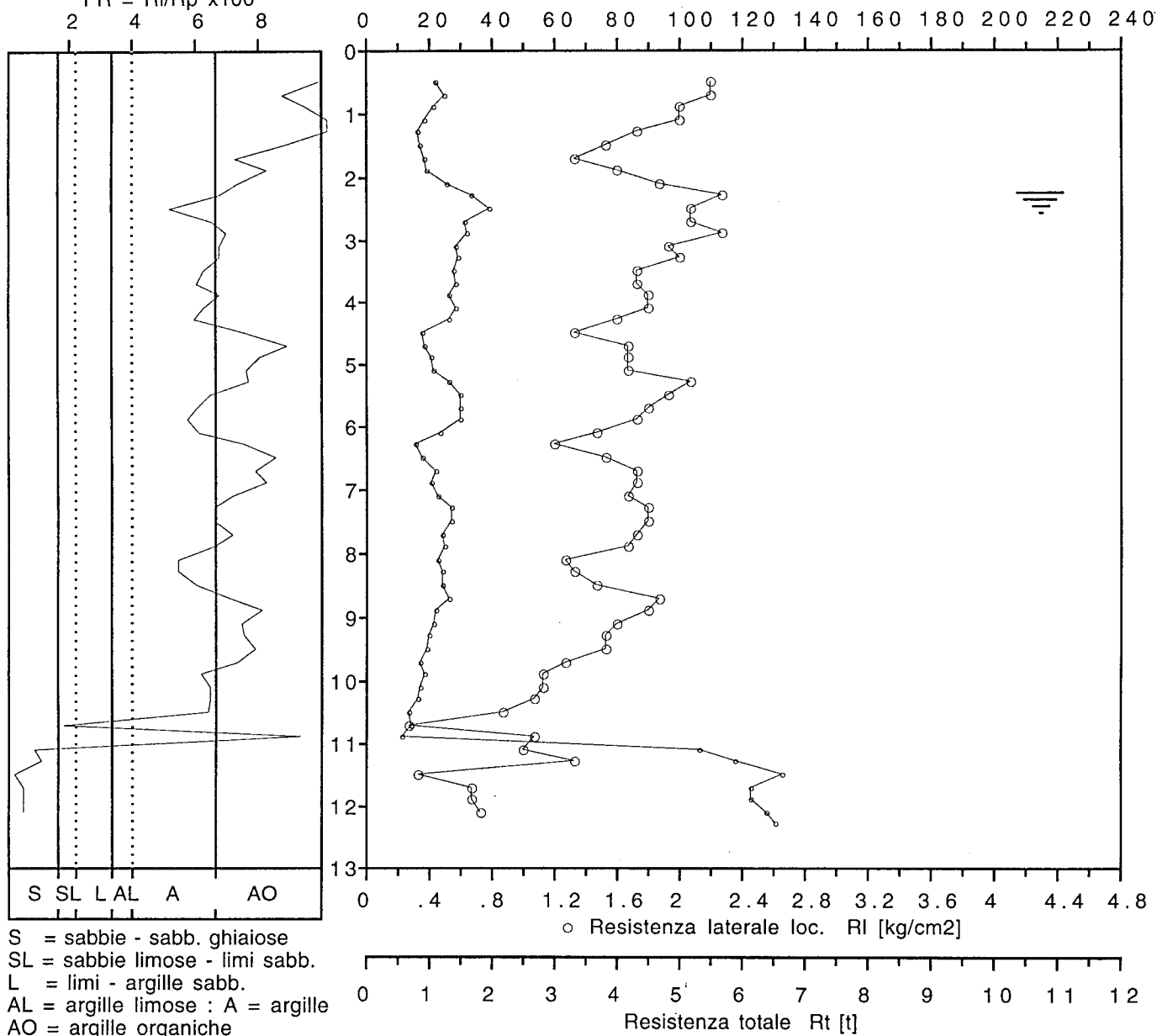
Data : 29/06/1995

progr.: CPT-4.0/S

Begemann-AGI mod.

FR = $R_l/R_p \times 100$

◦ Resistenza alla punta R_p [kg/cm²]



PROVA PENETROMETRICA STATICA n. 12

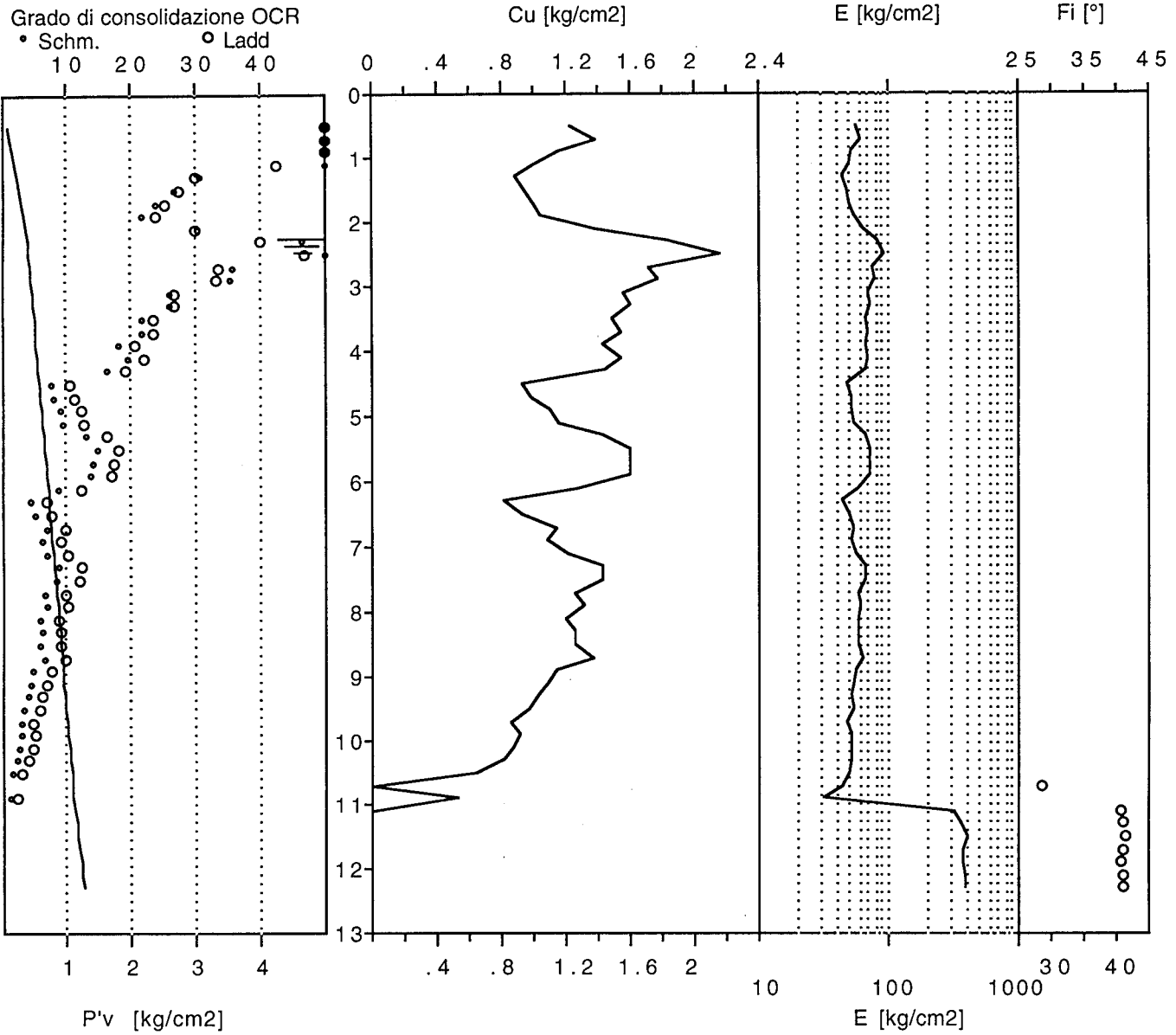
Committente : Amm.ne Comunale di S.Secondo

Localita' :

Data : 29/06/1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S.Secondo

Localita' :

Impresa esecutrice :

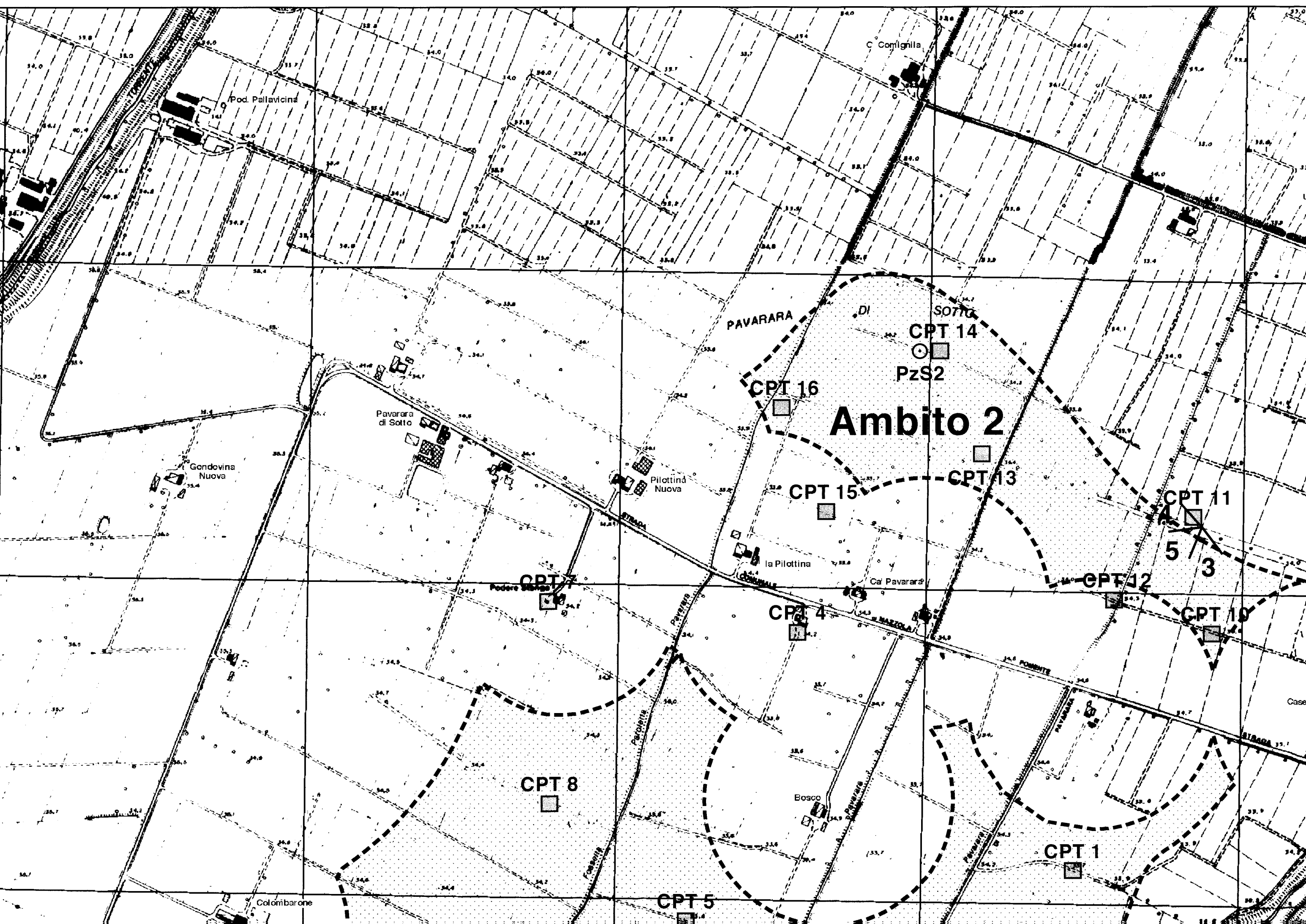
Data : 29/06/1995

progr.: CPT-4.0/S

PROVA CPT n. : 12

Parametri penetrometrici					Parametri geotecnici stimati								
Rp	= resistenza alla punta [kg/cm2]				g	= Peso di volume		[t/m3]					
RI	= resistenza lat. locale [kg/cm2]				P'v	= Press. vert. efficace		[kg/cm2]					
FR	= RI/Rp x 100 [-]				u	= Press. neutra		[kg/cm2]					
Rt	= resistenza totale [kgf]				E	= Modulo di deform.		[kg/cm2]					
					OCR	= Grado di sovracons.		[-]					
Quota p.c.:	m				Cu	= Coesione non drenata		[kg/cm2]					
Falda a m	-2.25 dal p.c.				Fi	= Angolo di attrito		[gradi]					
z = prof. max. del tratto esplorato dalla base penetr.					Gmax	= Modulo di taglio din.		[kg/cm2]					
z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	1.6	-	-				-	-	-	-	-	
0.6	22.1	2.2	9.9	-	1.82	0.11	0.00	55	> 50	1.22	0.0	-	ARG. ORG.
0.8	25.1	2.2	8.8	-	1.83	0.15	0.00	62	> 50	1.39	0.0	-	ARG. ORG.
1.0	21.1	2.0	9.5	-	1.82	0.18	0.00	53	> 50	1.16	0.0	-	ARG. ORG.
1.2	18.3	2.0	11.0	-	1.81	0.22	0.00	50	> 50	1.00	0.0	-	ARG. ORG.
1.4	16.3	1.7	10.7	-	1.80	0.25	0.00	45	30.7	0.89	0.0	-	ARG. ORG.
1.6	17.3	1.5	8.9	-	1.80	0.29	0.00	47	26.9	0.94	0.0	-	ARG. ORG.
1.8	18.3	1.3	7.3	-	1.81	0.33	0.00	50	24.1	1.00	0.0	-	ARG. ORG.
2.0	19.3	1.6	8.3	-	1.81	0.36	0.00	53	21.9	1.05	0.0	-	ARG. ORG.
2.2	25.4	1.9	7.4	-	1.83	0.40	0.00	63	30.3	1.39	0.0	-	ARG. ORG.
2.4	33.4	2.3	6.8	-	1.86	0.42	0.02	80	46.4	1.83	0.0	-	ARG. ORG.
2.6	39.4	2.1	5.2	-	1.88	0.43	0.04	93	> 50	2.16	0.0	-	ARGILLA
2.8	31.4	2.1	6.6	-	1.85	0.45	0.06	76	35.6	1.72	0.0	-	ARGILLA
3.0	32.4	2.3	7.0	-	1.86	0.47	0.08	78	35.2	1.77	0.0	-	ARG. ORG.
3.2	28.5	1.9	6.8	-	1.84	0.48	0.10	70	26.1	1.55	0.0	-	ARG. ORG.
3.4	29.5	2.0	6.8	-	1.85	0.50	0.12	72	26.1	1.61	0.0	-	ARG. ORG.
3.6	27.5	1.7	6.3	-	1.84	0.52	0.14	67	21.7	1.49	0.0	-	ARGILLA
3.8	28.5	1.7	6.1	-	1.84	0.53	0.16	70	21.8	1.55	0.0	-	ARGILLA
4.0	26.5	1.8	6.8	-	1.84	0.55	0.18	65	18.1	1.43	0.0	-	ARG. ORG.
4.2	28.7	1.8	6.3	-	1.84	0.57	0.20	70	19.6	1.55	0.0	-	ARGILLA
4.4	26.7	1.6	6.0	-	1.84	0.59	0.22	65	16.4	1.44	0.0	-	ARGILLA
4.6	17.7	1.3	7.6	-	1.80	0.60	0.24	49	7.7	0.93	0.0	-	ARG. ORG.
4.8	18.7	1.7	8.9	-	1.81	0.62	0.26	51	8.1	0.99	0.0	-	ARG. ORG.
5.0	20.7	1.7	8.1	-	1.81	0.63	0.28	52	9.1	1.10	0.0	-	ARG. ORG.
5.2	21.8	1.7	7.7	-	1.82	0.65	0.30	54	9.6	1.16	0.0	-	ARG. ORG.
5.4	26.8	2.1	7.7	-	1.84	0.67	0.32	66	13.1	1.43	0.0	-	ARG. ORG.
5.6	29.8	1.9	6.5	-	1.85	0.68	0.34	72	15.1	1.60	0.0	-	ARGILLA
5.8	29.8	1.8	6.0	-	1.85	0.70	0.36	72	14.4	1.60	0.0	-	ARGILLA
6.0	29.8	1.7	5.8	-	1.85	0.72	0.38	72	13.8	1.59	0.0	-	ARGILLA
6.2	23.9	1.5	6.1	-	1.83	0.73	0.40	59	9.1	1.27	0.0	-	ARGILLA
6.4	15.9	1.2	7.5	-	1.80	0.75	0.42	44	4.5	0.82	0.0	-	ARG. ORG.
6.6	17.9	1.5	8.6	-	1.80	0.77	0.44	49	5.2	0.93	0.0	-	ARG. ORG.
6.8	21.9	1.7	7.9	-	1.82	0.78	0.46	55	7.0	1.15	0.0	-	ARG. ORG.
7.0	20.9	1.7	8.3	-	1.82	0.80	0.48	52	6.3	1.09	0.0	-	ARG. ORG.
7.2	23.0	1.7	7.2	-	1.82	0.82	0.50	57	7.1	1.21	0.0	-	ARG. ORG.
7.4	27.0	1.8	6.7	-	1.84	0.83	0.52	66	9.0	1.43	0.0	-	ARGILLA
7.6	27.0	1.8	6.7	-	1.84	0.85	0.54	66	8.7	1.43	0.0	-	ARGILLA
7.8	24.0	1.7	7.2	-	1.83	0.87	0.56	59	6.9	1.26	0.0	-	ARG. ORG.
8.0	25.0	1.7	6.7	-	1.83	0.88	0.58	62	7.2	1.31	0.0	-	ARGILLA
8.2	23.2	1.3	5.5	-	1.82	0.90	0.60	57	6.1	1.20	0.0	-	ARGILLA
8.4	24.2	1.3	5.5	-	1.83	0.91	0.62	60	6.3	1.26	0.0	-	ARGILLA

8.6	24.2	1.5	6.1	-	1.83	0.93	0.64	60	6.2	1.26	0.0	-	ARGILLA
8.8	26.2	1.9	7.1	-	1.83	0.95	0.66	64	6.8	1.36	0.0	-	ARG. ORG.
9.0	22.2	1.8	8.1	-	1.82	0.96	0.68	55	5.1	1.14	0.0	-	ARG. ORG.
9.2	21.3	1.6	7.5	-	1.82	0.98	0.70	53	4.6	1.09	0.0	-	ARG. ORG.
9.4	20.3	1.5	7.6	-	1.81	1.00	0.72	51	4.2	1.03	0.0	-	ARG. ORG.
9.6	19.3	1.5	7.9	-	1.81	1.01	0.74	53	3.7	0.98	0.0	-	ARG. ORG.
9.8	17.3	1.3	7.3	-	1.80	1.03	0.76	48	3.1	0.86	0.0	-	ARG. ORG.
10.0	18.3	1.1	6.2	-	1.81	1.05	0.78	51	3.3	0.92	0.0	-	ARGILLA
10.2	17.4	1.1	6.5	-	1.80	1.06	0.80	51	3.0	0.87	0.0	-	ARGILLA
10.4	16.4	1.1	6.5	-	1.80	1.08	0.82	51	2.7	0.81	0.0	-	ARGILLA
10.6	13.4	0.9	6.5	-	1.79	1.09	0.84	49	2.0	0.64	0.0	-	ARGILLA
10.8	14.4	0.3	1.8	-	1.79	1.11	0.86	43	-	0.00	28.5	-	SABBIA LIM.
11.0	11.4	1.1	9.3	-	1.78	1.12	0.88	31	1.5	0.52	0.0	-	ARG. ORG.
11.2	106.6	1.0	0.9	-	2.12	1.15	0.90	320	-	0.00	40.6	864	SABBIA
11.4	117.6	1.3	1.1	-	2.16	1.17	0.92	353	-	0.00	41.0	918	SABBIA
11.6	132.6	0.3	0.3	-	2.22	1.19	0.94	398	-	0.00	41.3	988	SABBIA
11.8	122.6	0.7	0.5	-	2.18	1.22	0.96	368	-	0.00	41.0	941	SABBIA
12.0	122.6	0.7	0.5	-	2.18	1.24	0.98	368	-	0.00	40.9	941	SABBIA
12.2	127.7	0.7	0.6	-	2.20	1.27	1.00	383	-	0.00	41.0	965	SABBIA
12.4	130.7	1.9	1.5	-	2.21	1.29	1.02	392	-	0.00	41.0	979	SABBIA



Ambito 2

CPT 14

PzS2

CPT 16

CPT 15

CPT 13

CPT 11

CPT 12

CPT 10

CPT 4

CPT 7

CPT 8

CPT 5

CPT 1

PROVA PENETROMETRICA STATICA n. 13

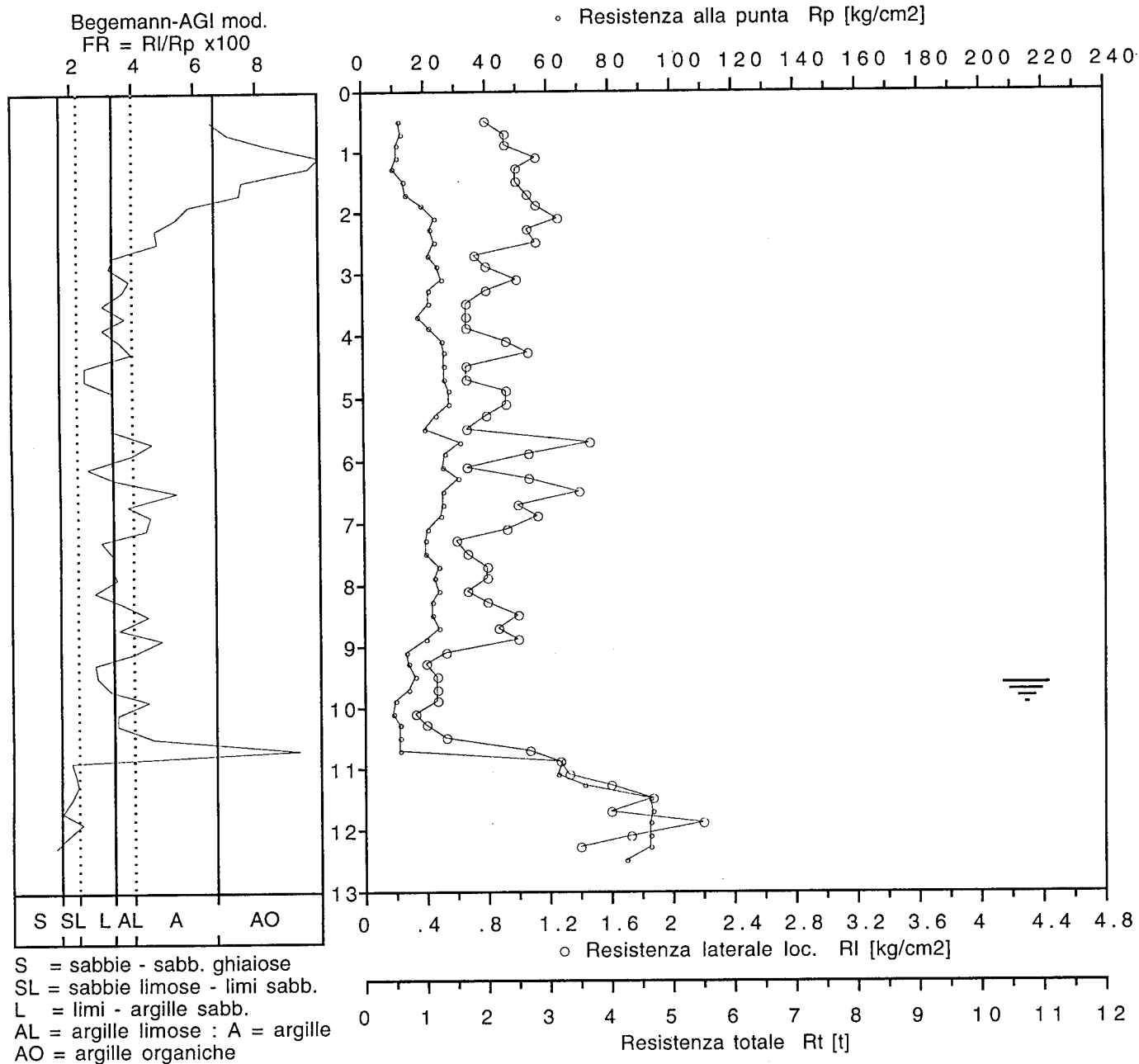
0013

Committente : Amm.ne Comunale di S.Secondo

Localita' :

Data : 29/06/1995

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA n. 13

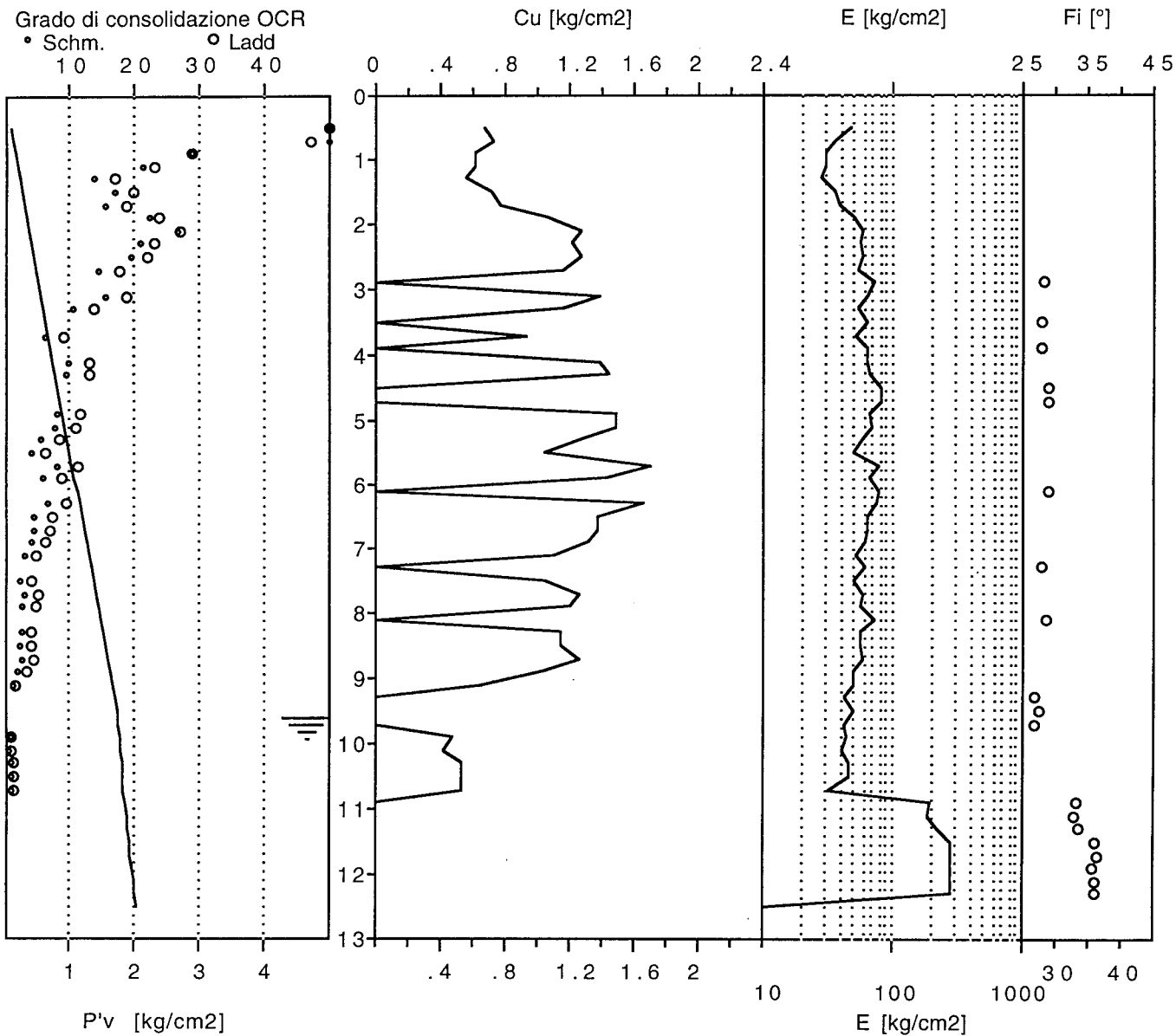
Committente : Amm.ne Comunale di S.Secondo

Localita' :

Data : 29/06/1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S.Secondo

Localita' :

Impresa esecutrice :

Data : 29/06/1995

progr.: CPT-4.0/S

PROVA CPT n. : 13

Parametri penetrometrici

Rp = resistenza alla punta [kg/cm2]

RI = resistenza lat. locale [kg/cm2]

FR = RI/Rp x 100 [-]

Rt = resistenza totale [kgf]

Quota p.c.: m

Falda a m -9.6 dal p.c.

z = prof. max. del tratto esplorato dalla base penetr.

Parametri geotecnici stimati

g = Peso di volume [t/m3]

P'v = Press. vert. efficace [kg/cm2]

u = Press. neutra [kg/cm2]

E = Modulo di deform. [kg/cm2]

OCR = Grado di sovracons. [-]

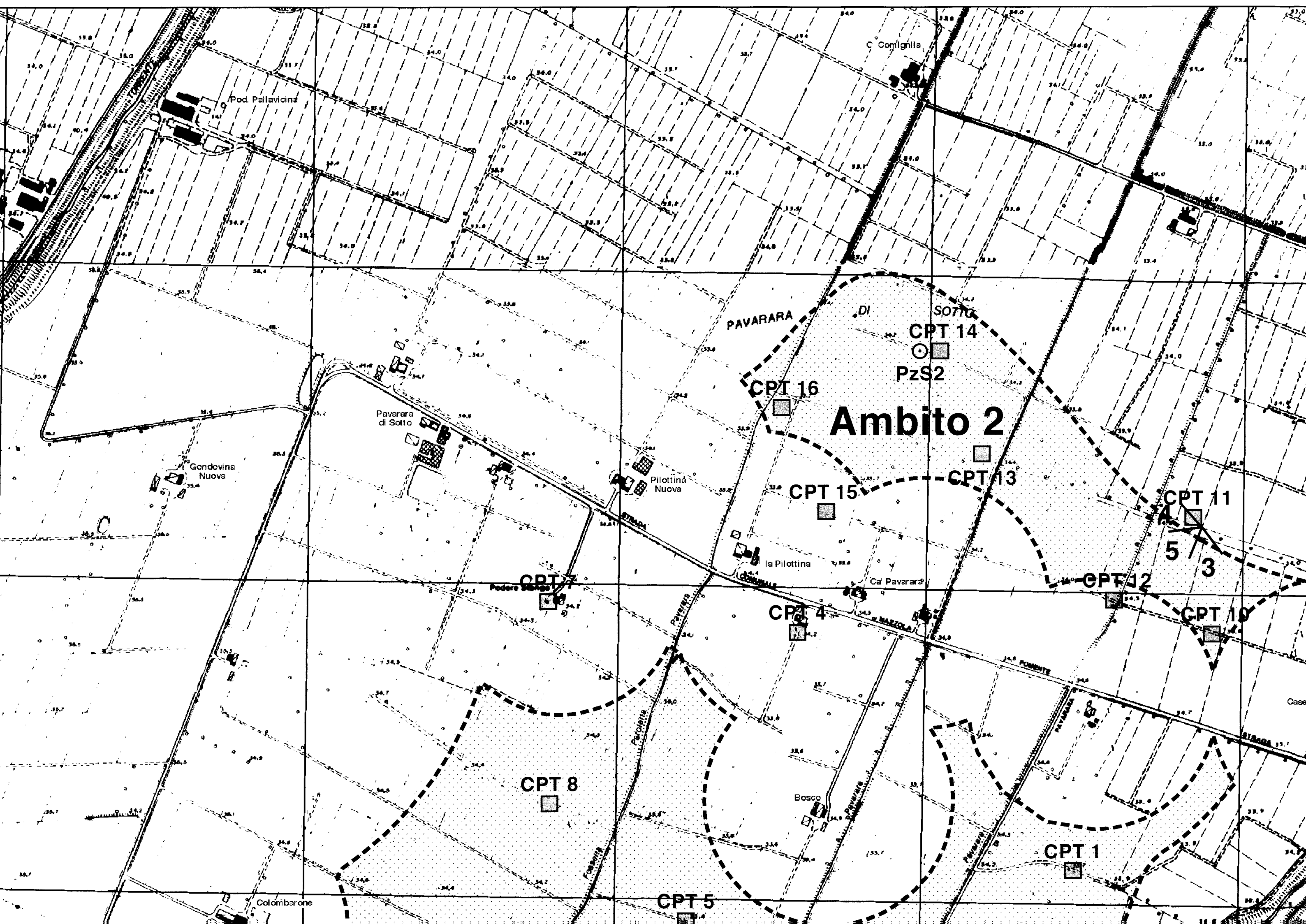
Cu = Coesione non drenata [kg/cm2]

Fi = Angolo di attrito [gradi]

Gmax = Modulo di taglio din. [kg/cm2]

z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	0.7	-	-				-	-	-	-	-	
0.6	12.1	0.8	6.6	-	1.78	0.11	0.00	47	> 50	0.67	0.0	-	ARGILLA
0.8	13.1	0.9	7.1	-	1.79	0.14	0.00	36	> 50	0.72	0.0	-	ARG. ORG.
1.0	11.1	0.9	8.4	-	1.78	0.18	0.00	31	29.0	0.61	0.0	-	ARG. ORG.
1.2	11.3	1.1	10.1	-	1.78	0.21	0.00	31	21.4	0.61	0.0	-	ARG. ORG.
1.4	10.3	1.0	9.7	-	1.78	0.25	0.00	28	13.8	0.56	0.0	-	ARG. ORG.
1.6	13.3	1.0	7.5	-	1.79	0.29	0.00	36	17.2	0.72	0.0	-	ARG. ORG.
1.8	14.3	1.1	7.5	-	1.79	0.32	0.00	39	15.8	0.77	0.0	-	ARG. ORG.
2.0	19.3	1.1	5.9	-	1.81	0.36	0.00	51	22.3	1.05	0.0	-	ARGILLA
2.2	23.4	1.3	5.4	-	1.82	0.39	0.00	58	26.6	1.28	0.0	-	ARGILLA
2.4	22.4	1.1	4.8	-	1.82	0.43	0.00	56	21.0	1.22	0.0	-	ARGILLA
2.6	23.4	1.1	4.8	-	1.82	0.47	0.00	58	19.6	1.27	0.0	-	ARGILLA
2.8	21.4	0.7	3.4	-	1.82	0.50	0.00	53	14.7	1.16	0.0	-	ARG.LIM.
3.0	24.4	0.8	3.3	-	1.83	0.54	0.00	73	-	0.00	28.1	-	LIMO-ARG.S
3.2	25.5	1.0	3.9	-	1.83	0.58	0.00	63	15.8	1.39	0.0	-	ARG.LIM.
3.4	21.5	0.8	3.7	-	1.82	0.61	0.00	54	10.6	1.16	0.0	-	ARG.LIM.
3.6	21.5	0.7	3.1	-	1.82	0.65	0.00	65	-	0.00	28.0	-	LIMO-ARG.S
3.8	17.5	0.7	3.8	-	1.80	0.69	0.00	51	6.3	0.94	0.0	-	ARG.LIM.
4.0	21.5	0.7	3.1	-	1.82	0.72	0.00	65	-	0.00	28.0	-	LIMO-ARG.S
4.2	25.7	0.9	3.6	-	1.83	0.76	0.00	63	9.9	1.38	0.0	-	ARG.LIM.
4.4	26.7	1.1	4.0	-	1.84	0.80	0.00	65	9.8	1.44	0.0	-	ARGILLA
4.6	26.7	0.7	2.5	-	1.84	0.83	0.00	80	-	0.00	29.1	-	LIMO-ARG.S
4.8	26.7	0.7	2.5	-	1.84	0.87	0.00	80	-	0.00	29.1	-	LIMO-ARG.S
5.0	27.7	0.9	3.4	-	1.84	0.91	0.00	68	8.4	1.49	0.0	-	ARG.LIM.
5.2	27.8	0.9	3.4	-	1.84	0.94	0.00	68	7.9	1.49	0.0	-	ARG.LIM.
5.4	23.8	0.8	3.4	-	1.83	0.98	0.00	59	5.8	1.27	0.0	-	ARG.LIM.
5.6	19.8	0.7	3.4	-	1.81	1.02	0.00	50	4.1	1.04	0.0	-	ARG.LIM.
5.8	31.8	1.5	4.6	-	1.85	1.05	0.00	77	8.2	1.71	0.0	-	ARGILLA
6.0	26.8	1.1	4.0	-	1.84	1.09	0.00	66	5.9	1.43	0.0	-	ARG.LIM.
6.2	25.9	0.7	2.6	-	1.83	1.13	0.00	78	-	0.00	28.9	-	LIMO-ARG.S
6.4	30.9	1.1	3.5	-	1.85	1.16	0.00	75	6.7	1.65	0.0	-	ARG.LIM.
6.6	25.9	1.4	5.4	-	1.83	1.20	0.00	64	4.8	1.37	0.0	-	ARGILLA
6.8	25.9	1.0	3.9	-	1.83	1.24	0.00	64	4.6	1.37	0.0	-	ARG.LIM.
7.0	24.9	1.1	4.5	-	1.83	1.27	0.00	61	4.1	1.31	0.0	-	ARGILLA
7.2	21.0	0.9	4.4	-	1.82	1.31	0.00	53	3.1	1.10	0.0	-	ARGILLA
7.4	20.0	0.6	3.0	-	1.81	1.35	0.00	60	-	0.00	27.9	-	LIMO-ARG.S
7.6	20.0	0.7	3.3	-	1.81	1.38	0.00	50	2.7	1.04	0.0	-	ARG.LIM.
7.8	24.0	0.8	3.3	-	1.83	1.42	0.00	59	3.3	1.26	0.0	-	ARG.LIM.
8.0	23.0	0.8	3.5	-	1.82	1.45	0.00	57	3.0	1.20	0.0	-	ARG.LIM.
8.2	24.2	0.7	2.8	-	1.83	1.49	0.00	73	-	0.00	28.5	-	LIMO-ARG.S
8.4	22.2	0.8	3.6	-	1.82	1.53	0.00	55	2.7	1.15	0.0	-	ARG.LIM.

8.6	22.2	1.0	4.5	-	1.82	1.56	0.00	55	2.6	1.14	0.0	-	ARGILLA
8.8	24.2	0.9	3.6	-	1.83	1.60	0.00	60	2.8	1.25	0.0	-	ARG.LIM.
9.0	20.2	1.0	5.0	-	1.81	1.64	0.00	51	2.1	1.03	0.0	-	ARGILLA
9.2	13.3	0.5	4.0	-	1.79	1.67	0.00	49	1.3	0.65	0.0	-	ARGILLA
9.4	14.3	0.4	2.8	-	1.79	1.71	0.00	43	-	0.00	26.9	-	LIMO-ARG.S
9.6	16.3	0.5	2.9	-	1.80	1.74	0.00	49	-	0.00	27.4	-	LIMO-ARG.S
9.8	14.3	0.5	3.3	-	1.79	1.76	0.02	43	-	0.00	26.8	-	LIMO-ARG.S
10.0	10.3	0.5	4.5	-	1.78	1.78	0.04	43	0.9	0.47	0.0	-	ARGILLA
10.2	9.4	0.3	3.5	-	1.77	1.79	0.06	41	0.8	0.42	0.0	-	ARG.LIM.
10.4	11.4	0.4	3.5	-	1.78	1.81	0.08	46	1.0	0.53	0.0	-	ARG.LIM.
10.6	11.4	0.5	4.7	-	1.78	1.82	0.10	46	1.0	0.53	0.0	-	ARGILLA
10.8	11.4	1.1	9.3	-	1.78	1.84	0.12	31	1.0	0.53	0.0	-	ARG.ORG.
11.0	64.4	1.3	2.0	-	1.97	1.86	0.14	193	-	0.00	33.3	-	LIMO SABB.
11.2	62.6	1.3	2.1	-	1.97	1.88	0.16	188	-	0.00	32.9	-	LIMO SABB.
11.4	71.6	1.6	2.2	-	2.00	1.90	0.18	215	-	0.00	33.7	-	LIMO-ARG.S
11.6	92.6	1.9	2.0	-	2.07	1.92	0.20	278	-	0.00	36.0	-	LIMO SABB.
11.8	93.6	1.6	1.7	-	2.08	1.94	0.22	281	-	0.00	36.5	-	SABBIA LIM.
12.0	92.6	2.2	2.4	-	2.07	1.96	0.24	278	-	0.00	35.7	-	LIMO-ARG.S
12.2	92.7	1.7	1.9	-	2.07	1.98	0.26	278	-	0.00	36.2	-	SABBIA LIM.
12.4	92.7	1.4	1.5	-	2.07	2.00	0.28	278	-	0.00	36.2	794	SABBIA
12.6	84.7	2.1	2.4	-	2.04	2.02	0.30	254	-	0.00	34.8	-	LIMO-ARG.S



PROVA PENETROMETRICA STATICA n. 14

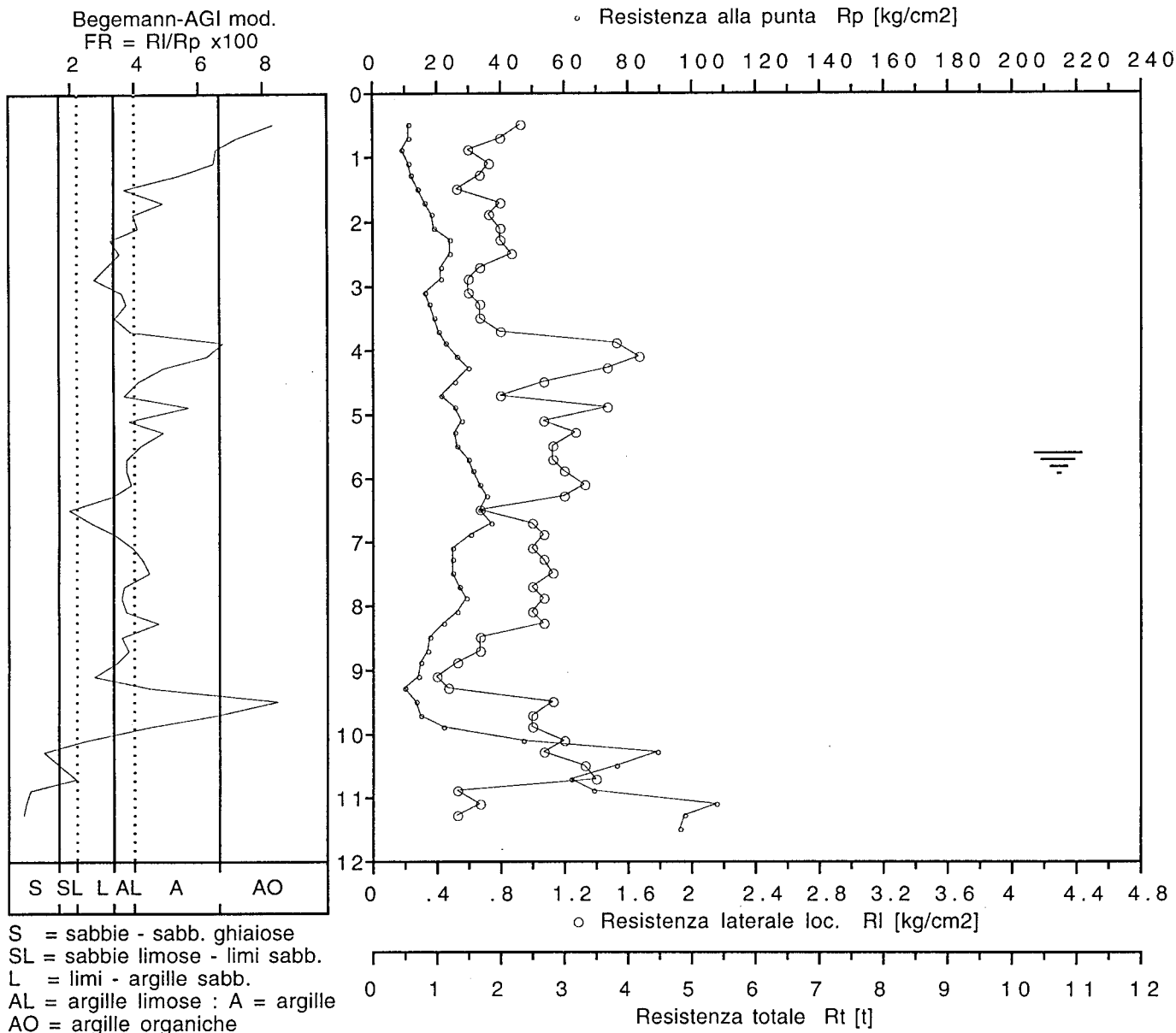
Committente : Amm.ne Comunale di S.Secondo

Localita' :

Data : 29/06/1995

progr.: CPT-4.0/S

2014



PROVA PENETROMETRICA STATICA n. 14

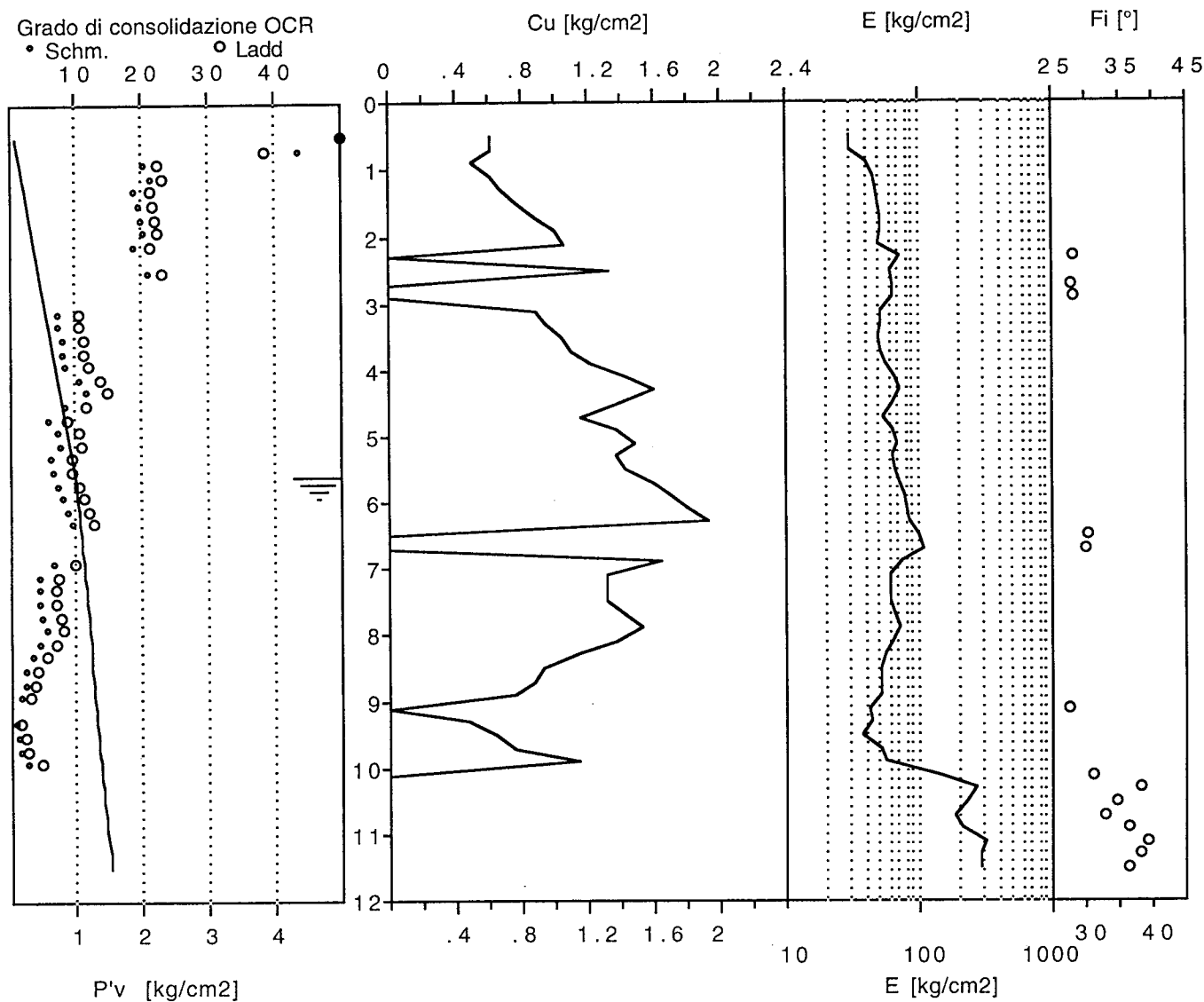
Committente : Amm.ne Comunale di S.Secondo

Localita' :

Data : 29/06/1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S.Secondo

Localita' :

Impresa esecutrice :

Data : 29/06/1995

progr.: CPT-4.0/S

PROVA CPT n. : 14

Parametri penetrometrici

Rp = resistenza alla punta [kg/cm2]

RI = resistenza lat. locale [kg/cm2]

FR = RI/Rp x 100 [-]

Rt = resistenza totale [kgf]

Quota p.c.: m

Falda a m -5.6 dal p.c.

z = prof. max. del tratto esplorato dalla base penetr.

Parametri geotecnici stimati

g = Peso di volume [t/m3]

P'v = Press. vert. efficace [kg/cm2]

u = Press. neutra [kg/cm2]

E = Modulo di deform. [kg/cm2]

OCR = Grado di sovracons. [-]

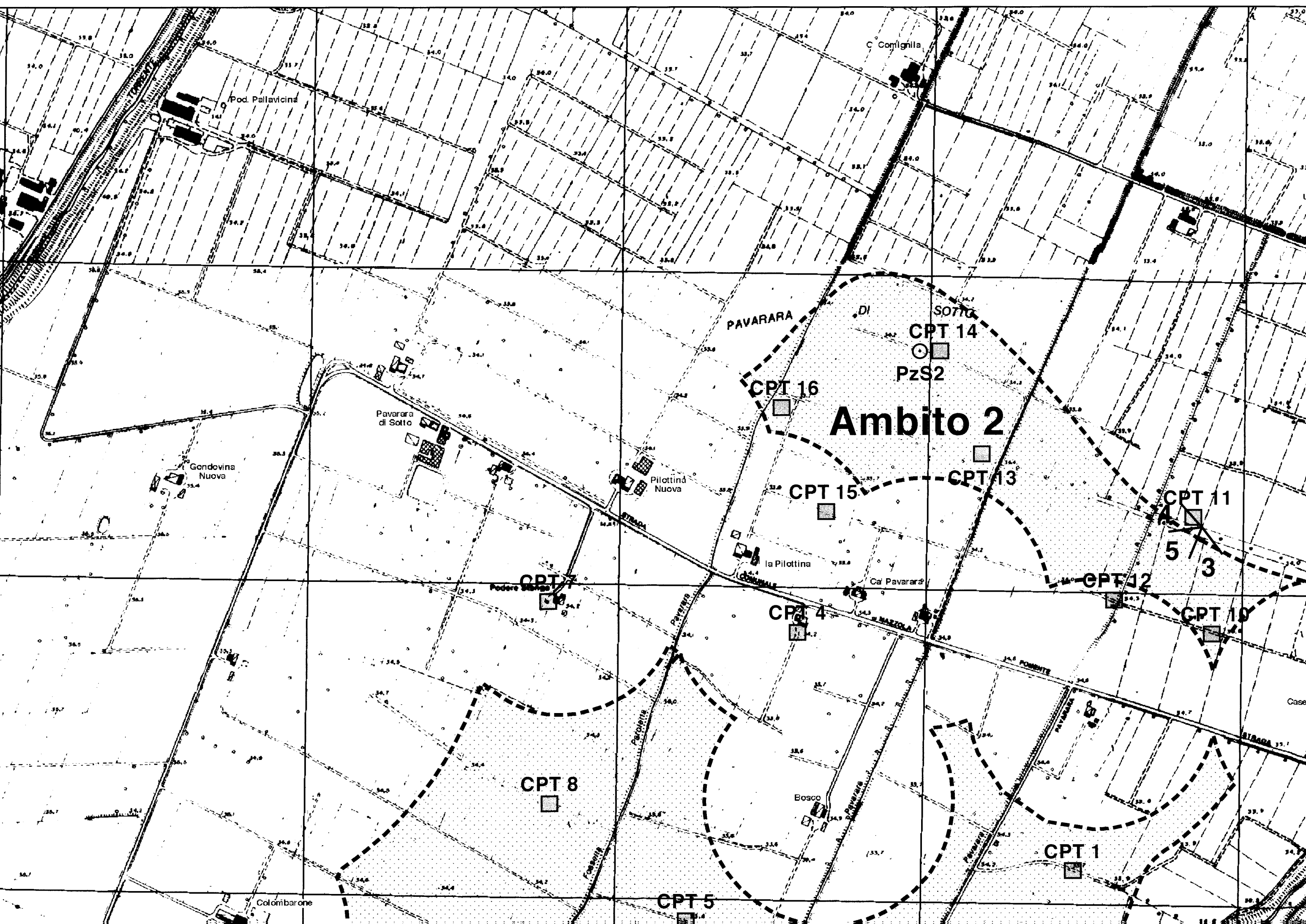
Cu = Coesione non drenata [kg/cm2]

Fi = Angolo di attrito [gradi]

Gmax = Modulo di taglio din. [kg/cm2]

z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	0.8	-	-				-	-	-	-	-	
0.6	11.1	0.9	8.4	-	1.78	0.11	0.00	31	> 50	0.61	0.0	-	ARG. ORG.
0.8	11.1	0.8	7.2	-	1.78	0.14	0.00	31	43.7	0.61	0.0	-	ARG. ORG.
1.0	9.1	0.6	6.6	-	1.77	0.18	0.00	40	20.4	0.50	0.0	-	ARGILLA
1.2	11.3	0.7	6.5	-	1.78	0.21	0.00	45	21.4	0.61	0.0	-	ARGILLA
1.4	12.3	0.7	5.4	-	1.78	0.25	0.00	47	18.9	0.67	0.0	-	ARGILLA
1.6	14.3	0.5	3.7	-	1.79	0.29	0.00	50	19.5	0.78	0.0	-	ARG.LIM.
1.8	16.3	0.8	4.9	-	1.80	0.32	0.00	51	20.0	0.89	0.0	-	ARGILLA
2.0	18.3	0.7	4.0	-	1.81	0.36	0.00	51	20.3	0.99	0.0	-	ARGILLA
2.2	19.4	0.8	4.1	-	1.81	0.39	0.00	51	19.1	1.06	0.0	-	ARGILLA
2.4	24.4	0.8	3.3	-	1.83	0.43	0.00	73	-	0.00	28.1	-	LIMO-ARG.S
2.6	24.4	0.9	3.6	-	1.83	0.47	0.00	60	21.2	1.33	0.0	-	ARG.LIM.
2.8	21.4	0.7	3.1	-	1.82	0.50	0.00	64	-	0.00	28.0	-	LIMO-ARG.S
3.0	21.4	0.6	2.8	-	1.82	0.54	0.00	64	-	0.00	28.3	-	LIMO-ARG.S
3.2	16.5	0.6	3.6	-	1.80	0.58	0.00	51	7.6	0.89	0.0	-	ARG.LIM.
3.4	17.5	0.7	3.8	-	1.80	0.61	0.00	51	7.5	0.94	0.0	-	ARG.LIM.
3.6	19.5	0.7	3.4	-	1.81	0.65	0.00	50	8.2	1.05	0.0	-	ARG.LIM.
3.8	20.5	0.8	3.9	-	1.81	0.68	0.00	51	8.1	1.10	0.0	-	ARG.LIM.
4.0	22.5	1.5	6.8	-	1.82	0.72	0.00	56	8.7	1.21	0.0	-	ARG. ORG.
4.2	26.7	1.7	6.3	-	1.84	0.76	0.00	65	10.6	1.44	0.0	-	ARGILLA
4.4	29.7	1.5	4.9	-	1.85	0.79	0.00	72	11.8	1.60	0.0	-	ARGILLA
4.6	25.7	1.1	4.2	-	1.83	0.83	0.00	63	8.5	1.38	0.0	-	ARGILLA
4.8	21.7	0.8	3.7	-	1.82	0.87	0.00	54	6.0	1.15	0.0	-	ARG.LIM.
5.0	25.7	1.5	5.7	-	1.83	0.90	0.00	63	7.4	1.37	0.0	-	ARGILLA
5.2	27.8	1.1	3.8	-	1.84	0.94	0.00	68	7.9	1.49	0.0	-	ARG.LIM.
5.4	25.8	1.3	4.9	-	1.83	0.98	0.00	63	6.6	1.38	0.0	-	ARGILLA
5.6	26.8	1.1	4.2	-	1.84	1.01	0.00	66	6.6	1.43	0.0	-	ARGILLA
5.8	29.8	1.1	3.8	-	1.85	1.03	0.02	72	7.6	1.60	0.0	-	ARG.LIM.
6.0	31.8	1.2	3.8	-	1.85	1.05	0.04	77	8.3	1.71	0.0	-	ARG.LIM.
6.2	33.9	1.3	3.9	-	1.86	1.07	0.06	81	9.0	1.82	0.0	-	ARG.LIM.
6.4	35.9	1.2	3.3	-	1.87	1.08	0.08	85	9.6	1.93	0.0	-	ARG.LIM.
6.6	33.9	0.7	2.0	-	1.86	1.10	0.10	102	-	0.00	30.3	-	LIMO SABB.
6.8	36.9	1.0	2.7	-	1.87	1.12	0.12	111	-	0.00	29.9	-	LIMO-ARG.S
7.0	30.9	1.1	3.5	-	1.85	1.13	0.14	75	6.9	1.65	0.0	-	ARG.LIM.
7.2	25.0	1.0	4.0	-	1.83	1.15	0.16	62	4.8	1.32	0.0	-	ARG.LIM.
7.4	25.0	1.1	4.3	-	1.83	1.17	0.18	62	4.7	1.32	0.0	-	ARGILLA
7.6	25.0	1.1	4.5	-	1.83	1.18	0.20	62	4.6	1.31	0.0	-	ARGILLA
7.8	27.0	1.0	3.7	-	1.84	1.20	0.22	66	5.1	1.42	0.0	-	ARG.LIM.
8.0	29.0	1.1	3.7	-	1.84	1.22	0.24	71	5.5	1.53	0.0	-	ARG.LIM.
8.2	26.2	1.0	3.8	-	1.83	1.23	0.26	64	4.6	1.37	0.0	-	ARG.LIM.
8.4	22.2	1.1	4.8	-	1.82	1.25	0.28	55	3.5	1.15	0.0	-	ARGILLA

8.6	18.2	0.7	3.7	-	1.81	1.27	0.30	51	2.6	0.92	0.0	-	ARG.LIM.
8.8	17.2	0.7	3.9	-	1.80	1.28	0.32	51	2.3	0.86	0.0	-	ARG.LIM.
9.0	15.2	0.5	3.5	-	1.79	1.30	0.34	51	1.9	0.75	0.0	-	ARG.LIM.
9.2	14.3	0.4	2.8	-	1.79	1.32	0.36	43	-	0.00	27.5	-	LIMO-ARG.S
9.4	10.3	0.5	4.5	-	1.78	1.33	0.38	43	1.2	0.48	0.0	-	ARGILLA
9.6	13.3	1.1	8.5	-	1.79	1.35	0.40	37	1.6	0.64	0.0	-	ARG. ORG.
9.8	15.3	1.0	6.5	-	1.80	1.36	0.42	51	1.8	0.75	0.0	-	ARGILLA
10.0	22.3	1.0	4.5	-	1.82	1.38	0.44	55	3.0	1.14	0.0	-	ARGILLA
10.2	47.4	1.2	2.5	-	1.91	1.40	0.46	142	-	0.00	31.1	-	LIMO-ARG.S
10.4	89.4	1.1	1.2	-	2.06	1.42	0.48	268	-	0.00	38.2	777	SABBIA
10.6	76.4	1.3	1.7	-	2.02	1.44	0.50	229	-	0.00	34.8	-	SABBIA LIM.
10.8	62.4	1.4	2.2	-	1.96	1.46	0.52	187	-	0.00	32.9	-	LIMO-ARG.S
11.0	69.4	0.5	0.8	-	1.99	1.48	0.54	208	-	0.00	36.3	665	SABBIA
11.2	107.6	0.7	0.6	-	2.13	1.50	0.56	323	-	0.00	39.1	869	SABBIA
11.4	97.6	0.5	0.5	-	2.09	1.52	0.58	293	-	0.00	38.4	819	SABBIA
11.6	96.6	1.9	1.9	-	2.09	1.54	0.60	290	-	0.00	36.6	-	LIMO SABB.



PROVA PENETROMETRICA STATICA n. 15

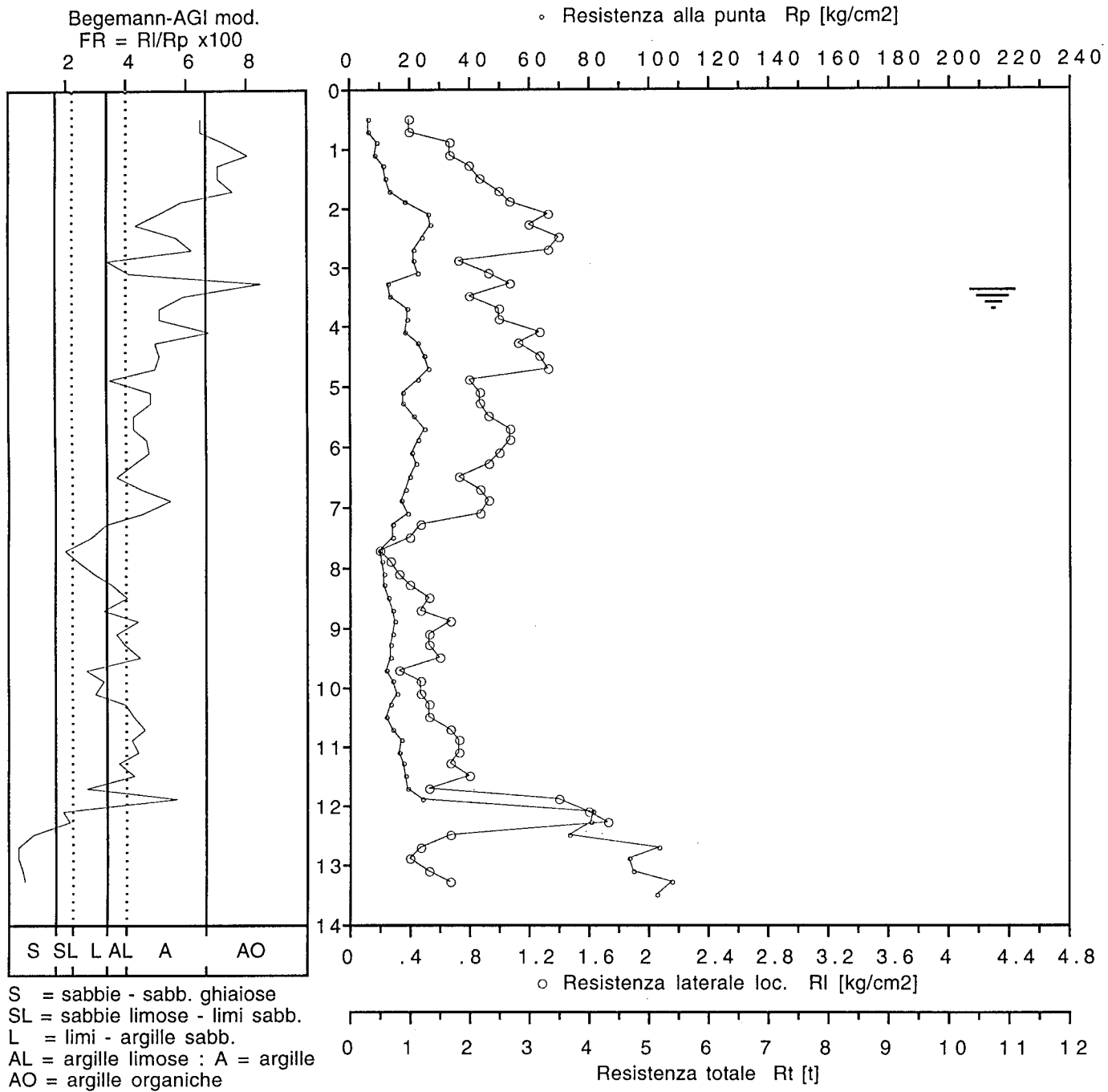
6015

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 29/06/1995

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA n. 15

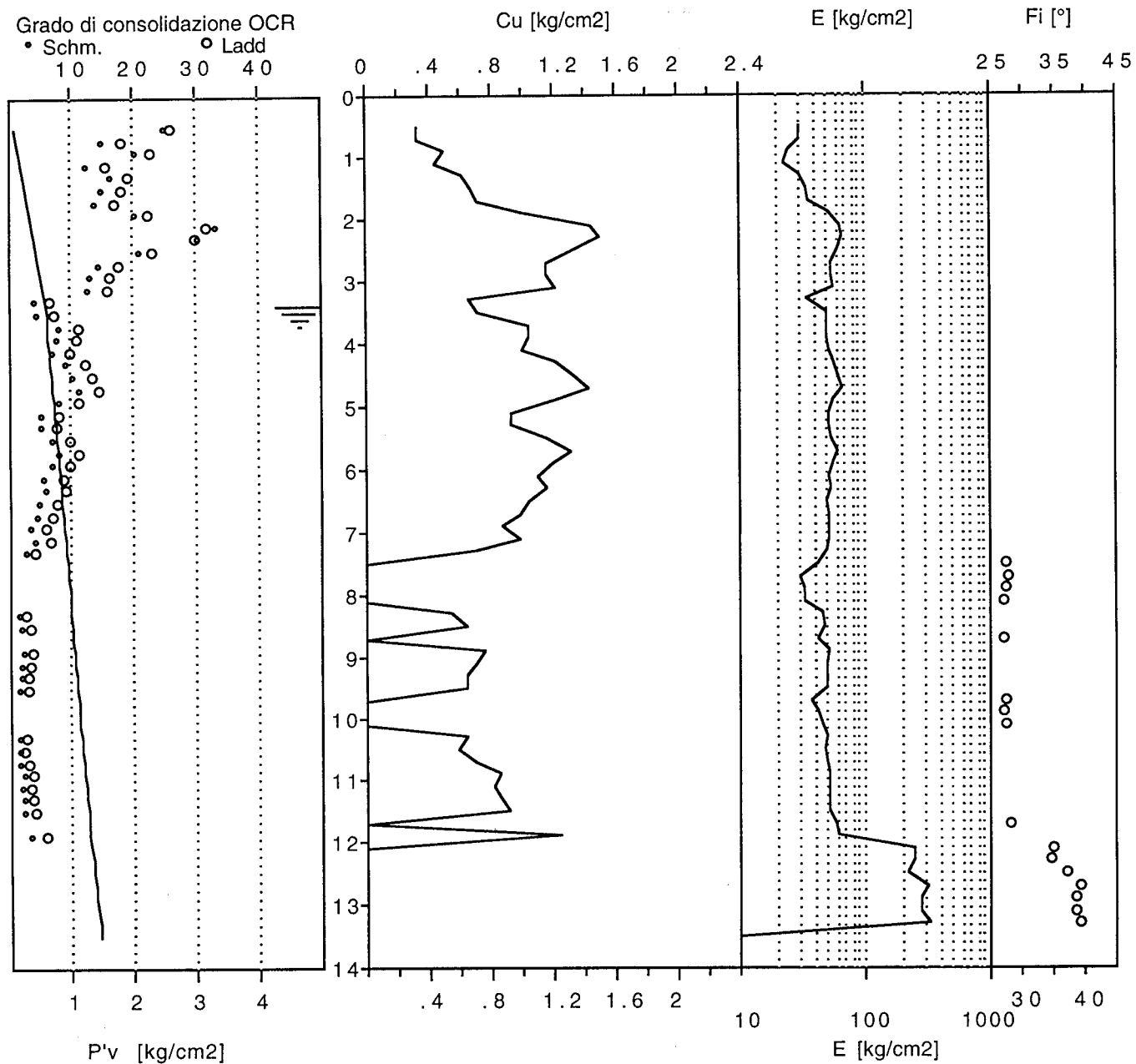
Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 29/06/1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Impresa esecutrice :

Data : 29/06/1995

progr.: CPT-4.0/S

PROVA CPT n. : 15

Parametri penetrometrici

Rp = resistenza alla punta [kg/cm2]

RI = resistenza lat. locale [kg/cm2]

FR = RI/Rp x 100 [-]

Rt = resistenza totale [kgf]

Quota p.c.: m

Falda a m -3.4 dal p.c.

z = prof. max. del tratto esplorato dalla base penetr.

Parametri geotecnici stimati

g = Peso di volume [t/m3]

P'v = Press. vert. efficace [kg/cm2]

u = Press. neutra [kg/cm2]

E = Modulo di deform. [kg/cm2]

OCR = Grado di sovracons. [-]

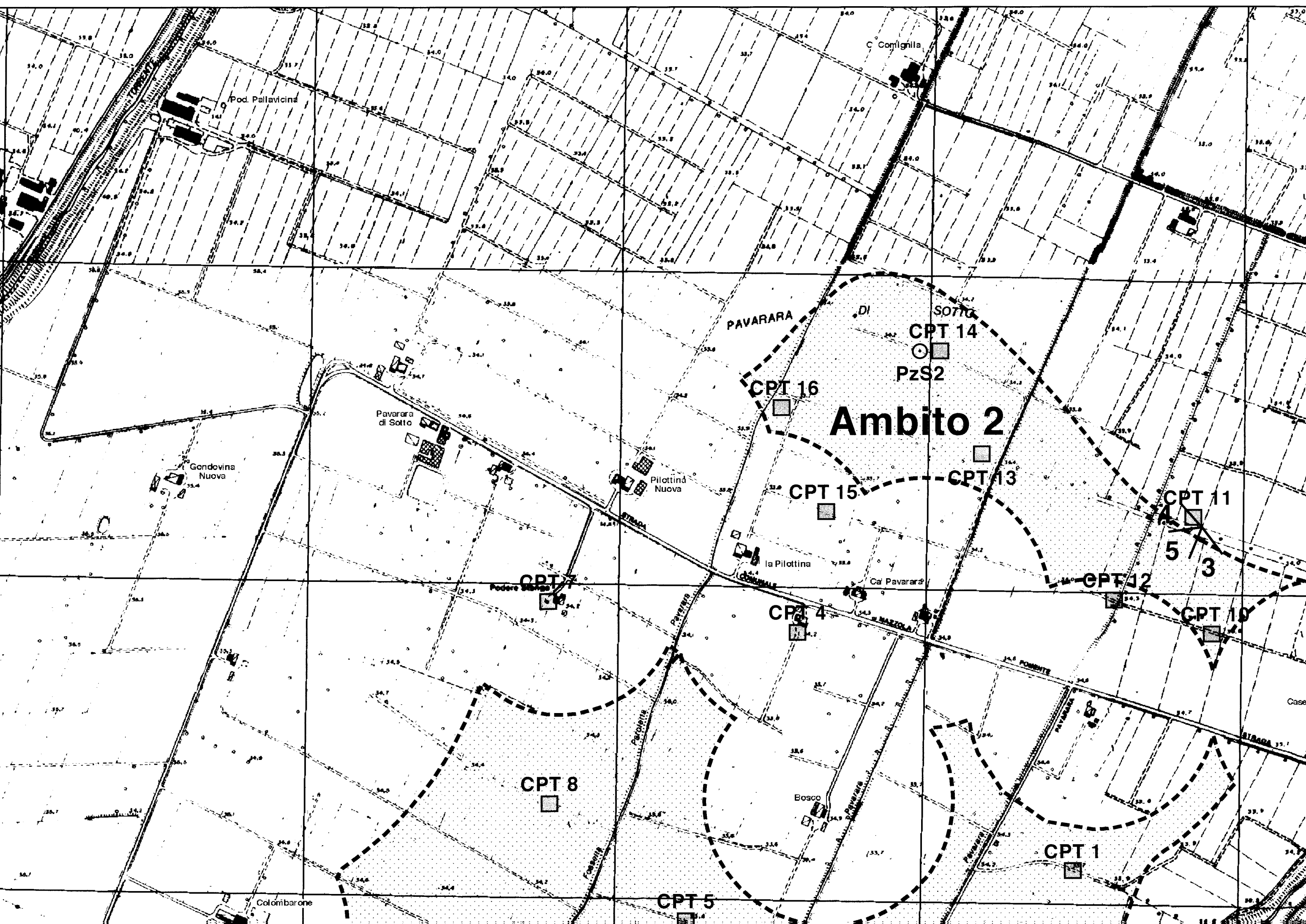
Cu = Coesione non drenata [kg/cm2]

Fi = Angolo di attrito [gradi]

Gmax = Modulo di taglio din. [kg/cm2]

z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	0.3	-	-	-	-	-	-	-	-	-	-	-
0.6	6.1	0.4	6.5	-	1.76	0.11	0.00	30	24.9	0.33	0.0	-	ARGILLA
0.8	6.1	0.4	6.5	-	1.76	0.14	0.00	30	15.0	0.33	0.0	-	ARGILLA
1.0	9.1	0.7	7.3	-	1.77	0.18	0.00	25	20.5	0.50	0.0	-	ARG. ORG.
1.2	8.3	0.7	8.1	-	1.77	0.21	0.00	23	12.5	0.45	0.0	-	ARG. ORG.
1.4	11.3	0.8	7.1	-	1.78	0.25	0.00	31	16.4	0.61	0.0	-	ARG. ORG.
1.6	12.3	0.9	7.1	-	1.78	0.28	0.00	34	15.1	0.67	0.0	-	ARG. ORG.
1.8	13.3	1.0	7.5	-	1.79	0.32	0.00	36	14.1	0.72	0.0	-	ARG. ORG.
2.0	18.3	1.1	5.8	-	1.81	0.36	0.00	51	20.5	0.99	0.0	-	ARGILLA
2.2	26.4	1.3	5.1	-	1.84	0.39	0.00	65	33.3	1.44	0.0	-	ARGILLA
2.4	27.4	1.2	4.4	-	1.84	0.43	0.00	67	30.3	1.50	0.0	-	ARGILLA
2.6	24.4	1.4	5.7	-	1.83	0.47	0.00	60	21.2	1.33	0.0	-	ARGILLA
2.8	21.4	1.3	6.2	-	1.82	0.50	0.00	53	14.7	1.16	0.0	-	ARGILLA
3.0	21.4	0.7	3.4	-	1.82	0.54	0.00	53	13.1	1.16	0.0	-	ARG. LIM.
3.2	22.5	0.9	4.1	-	1.82	0.58	0.00	56	12.8	1.22	0.0	-	ARGILLA
3.4	12.5	1.1	8.5	-	1.79	0.61	0.00	34	4.4	0.66	0.0	-	ARG. ORG.
3.6	13.5	0.8	5.9	-	1.79	0.63	0.02	49	4.8	0.72	0.0	-	ARGILLA
3.8	19.5	1.0	5.1	-	1.81	0.64	0.04	50	8.3	1.05	0.0	-	ARGILLA
4.0	19.5	1.0	5.1	-	1.81	0.66	0.06	50	7.9	1.04	0.0	-	ARGILLA
4.2	18.7	1.3	6.8	-	1.81	0.68	0.08	51	7.1	0.99	0.0	-	ARG. ORG.
4.4	22.7	1.1	5.0	-	1.82	0.69	0.10	56	9.3	1.21	0.0	-	ARGILLA
4.6	24.7	1.3	5.1	-	1.83	0.71	0.12	61	10.4	1.32	0.0	-	ARGILLA
4.8	26.7	1.3	5.0	-	1.84	0.73	0.14	65	11.4	1.43	0.0	-	ARGILLA
5.0	22.7	0.8	3.5	-	1.82	0.74	0.16	56	8.3	1.21	0.0	-	ARG. LIM.
5.2	17.8	0.9	4.9	-	1.80	0.76	0.18	51	5.4	0.94	0.0	-	ARGILLA
5.4	17.8	0.9	4.9	-	1.80	0.77	0.20	51	5.2	0.93	0.0	-	ARGILLA
5.6	21.8	0.9	4.3	-	1.82	0.79	0.22	54	7.0	1.15	0.0	-	ARGILLA
5.8	24.8	1.1	4.3	-	1.83	0.81	0.24	61	8.3	1.32	0.0	-	ARGILLA
6.0	22.8	1.1	4.7	-	1.82	0.82	0.26	57	7.0	1.21	0.0	-	ARGILLA
6.2	20.9	1.0	4.8	-	1.82	0.84	0.28	52	5.9	1.10	0.0	-	ARGILLA
6.4	21.9	0.9	4.3	-	1.82	0.86	0.30	55	6.2	1.15	0.0	-	ARGILLA
6.6	19.9	0.7	3.7	-	1.81	0.87	0.32	50	5.1	1.04	0.0	-	ARG. LIM.
6.8	18.9	0.9	4.6	-	1.81	0.89	0.34	51	4.6	0.98	0.0	-	ARGILLA
7.0	16.9	0.9	5.5	-	1.80	0.90	0.36	51	3.7	0.87	0.0	-	ARGILLA
7.2	19.0	0.9	4.6	-	1.81	0.92	0.38	51	4.4	0.99	0.0	-	ARGILLA
7.4	14.0	0.5	3.3	-	1.79	0.94	0.40	50	2.7	0.71	0.0	-	ARG. LIM.
7.6	14.0	0.4	2.8	-	1.79	0.95	0.42	42	-	0.00	27.5	-	LIMO-ARG.S
7.8	10.0	0.2	2.0	-	1.78	0.97	0.44	30	-	0.00	27.9	-	LIMO SABB.
8.0	11.0	0.3	2.4	-	1.78	0.98	0.46	33	-	0.00	27.6	-	LIMO-ARG.S
8.2	11.2	0.3	3.0	-	1.78	1.00	0.48	34	-	0.00	27.0	-	LIMO-ARG.S
8.4	11.2	0.4	3.6	-	1.78	1.01	0.50	45	1.7	0.54	0.0	-	ARG. LIM.

8.6	13.2	0.5	4.0	-	1.79	1.03	0.52	49	2.1	0.65	0.0	-	ARGILLA
8.8	14.2	0.5	3.3	-	1.79	1.05	0.54	43	-	0.00	27.0	-	LIMO-ARG.S
9.0	15.2	0.7	4.4	-	1.79	1.06	0.56	51	2.5	0.75	0.0	-	ARGILLA
9.2	14.3	0.5	3.7	-	1.79	1.08	0.58	50	2.2	0.70	0.0	-	ARG.LIM.
9.4	13.3	0.5	4.0	-	1.79	1.09	0.60	49	2.0	0.64	0.0	-	ARGILLA
9.6	13.3	0.6	4.5	-	1.79	1.11	0.62	49	1.9	0.64	0.0	-	ARGILLA
9.8	12.3	0.3	2.7	-	1.78	1.13	0.64	37	-	0.00	27.4	-	LIMO-ARG.S
10.0	14.3	0.5	3.3	-	1.79	1.14	0.66	43	-	0.00	27.1	-	LIMO-ARG.S
10.2	15.4	0.5	3.0	-	1.80	1.16	0.68	46	-	0.00	27.4	-	LIMO-ARG.S
10.4	13.4	0.5	4.0	-	1.79	1.17	0.70	49	1.8	0.64	0.0	-	ARG.LIM.
10.6	12.4	0.5	4.3	-	1.78	1.19	0.72	48	1.6	0.58	0.0	-	ARGILLA
10.8	14.4	0.7	4.6	-	1.79	1.20	0.74	50	1.9	0.69	0.0	-	ARGILLA
11.0	17.4	0.7	4.2	-	1.80	1.22	0.76	51	2.5	0.86	0.0	-	ARGILLA
11.2	16.6	0.7	4.4	-	1.80	1.24	0.78	51	2.2	0.81	0.0	-	ARGILLA
11.4	17.6	0.7	3.8	-	1.80	1.25	0.80	51	2.4	0.86	0.0	-	ARG.LIM.
11.6	18.6	0.8	4.3	-	1.81	1.27	0.82	51	2.5	0.92	0.0	-	ARGILLA
11.8	19.6	0.5	2.7	-	1.81	1.28	0.84	59	-	0.00	28.1	-	LIMO-ARG.S
12.0	24.6	1.4	5.7	-	1.83	1.30	0.86	61	3.7	1.24	0.0	-	ARGILLA
12.2	81.7	1.6	2.0	-	2.03	1.32	0.88	245	-	0.00	35.1	-	LIMO SABB.
12.4	80.7	1.7	2.1	-	2.03	1.34	0.90	242	-	0.00	34.8	-	LIMO SABB.
12.6	73.7	0.7	0.9	-	2.01	1.36	0.92	221	-	0.00	37.2	690	SABBIA
12.8	103.7	0.5	0.5	-	2.11	1.38	0.94	311	-	0.00	39.4	850	SABBIA
13.0	93.7	0.4	0.4	-	2.08	1.41	0.96	281	-	0.00	38.6	799	SABBIA
13.2	94.8	0.5	0.6	-	2.08	1.43	0.98	284	-	0.00	38.6	805	SABBIA
13.4	107.8	0.7	0.6	-	2.13	1.45	1.00	323	-	0.00	39.4	871	SABBIA
13.6	102.8	-	-	-	2.11	1.47	1.02	308	-	-	-	-	-



PROVA PENETROMETRICA STATICA n. 16

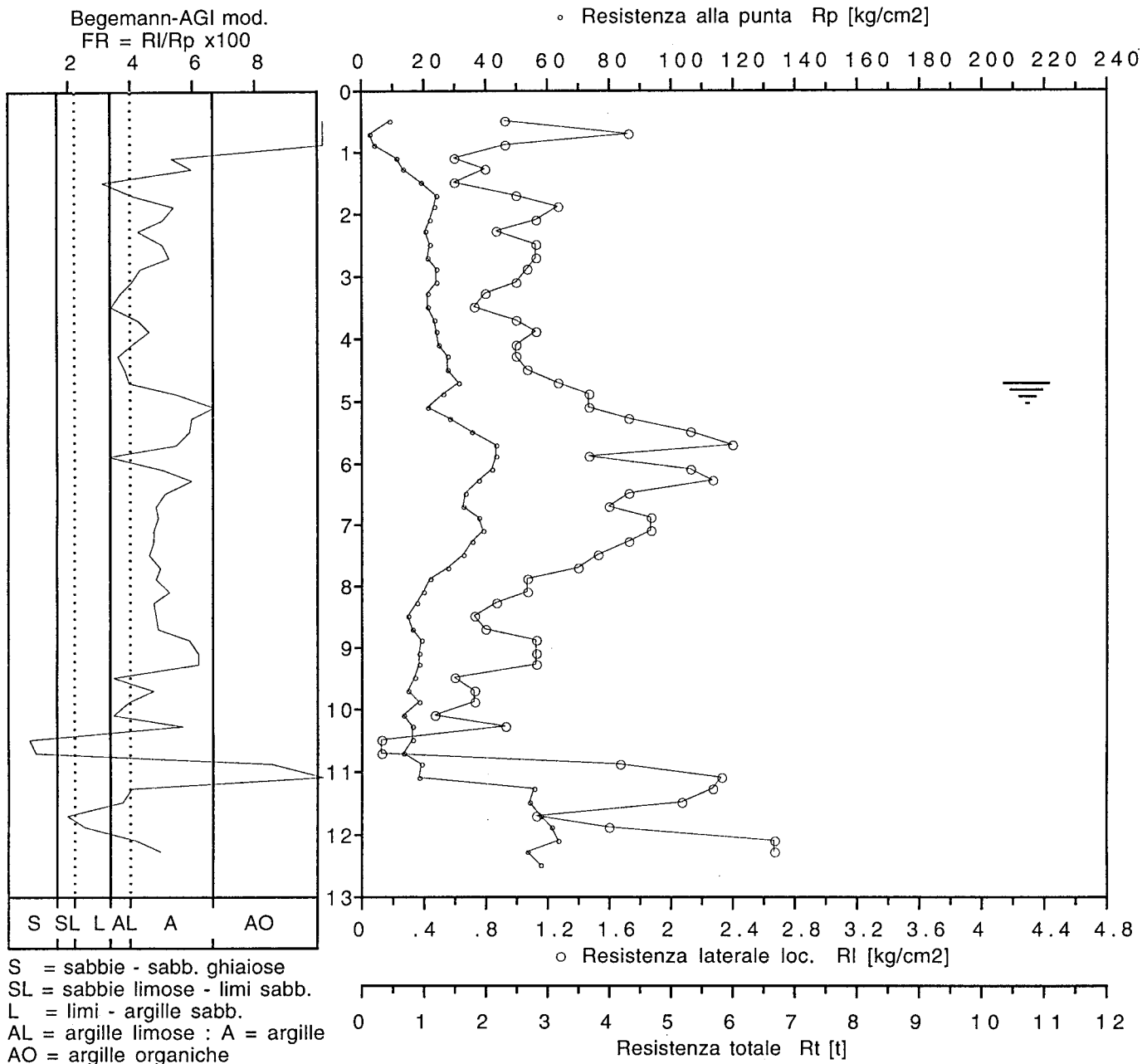
6016

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data :

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA n. 16

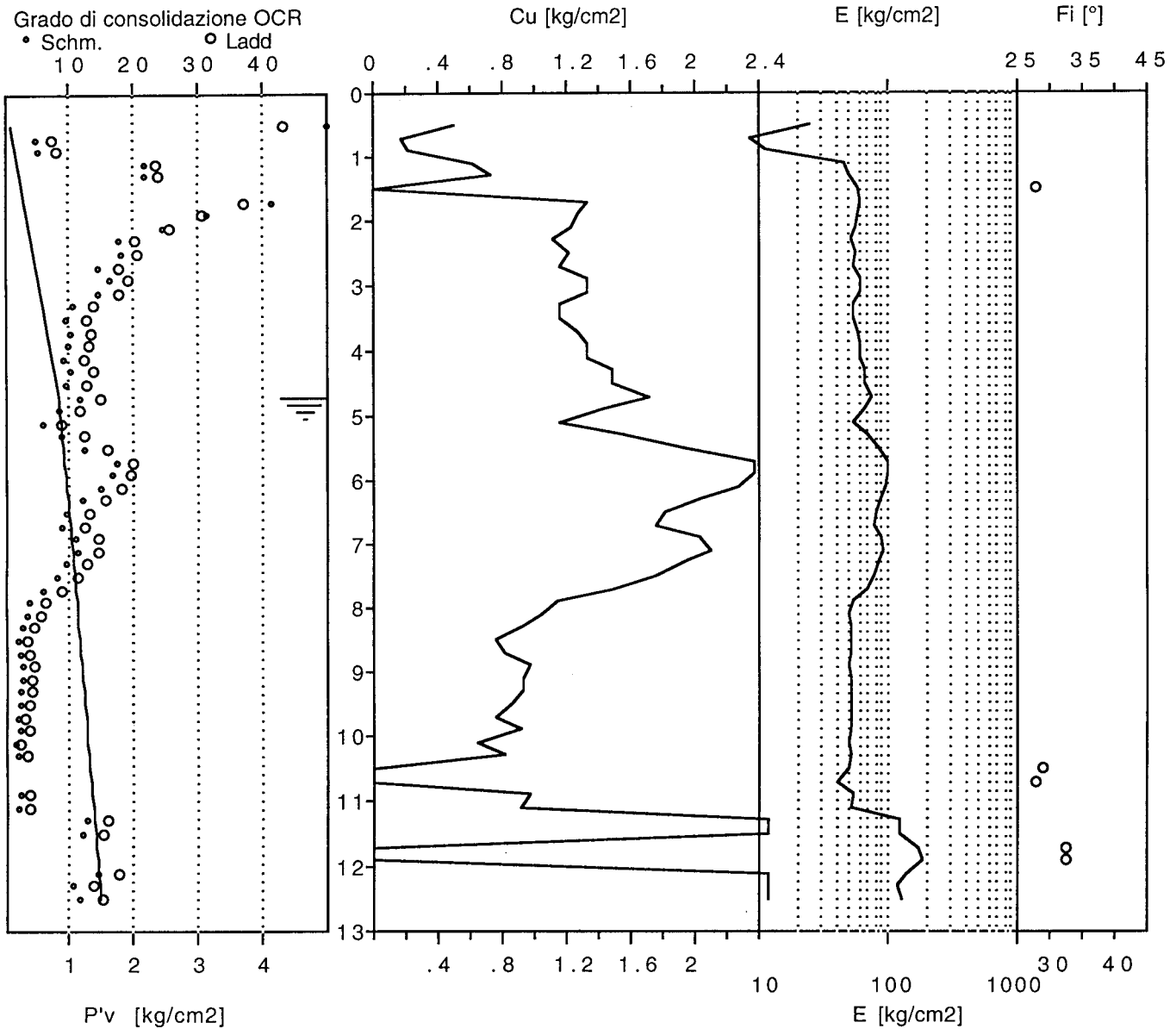
Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data :

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Impresa esecutrice :

Data :

progr.: CPT-4.0/S

PROVA CPT n. : 16

Parametri penetrometrici

Rp = resistenza alla punta [kg/cm2]

RI = resistenza lat. locale [kg/cm2]

FR = RI/Rp x 100 [-]

Rt = resistenza totale [kgf]

Quota p.c.: m

Falda a m -4.7 dal p.c.

z = prof. max. del tratto esplorato dalla base penetr.

Parametri geotecnici stimati

g = Peso di volume [t/m3]

P'v = Press. vert. efficace [kg/cm2]

u = Press. neutra [kg/cm2]

E = Modulo di deform. [kg/cm2]

OCR = Grado di sovracons. [-]

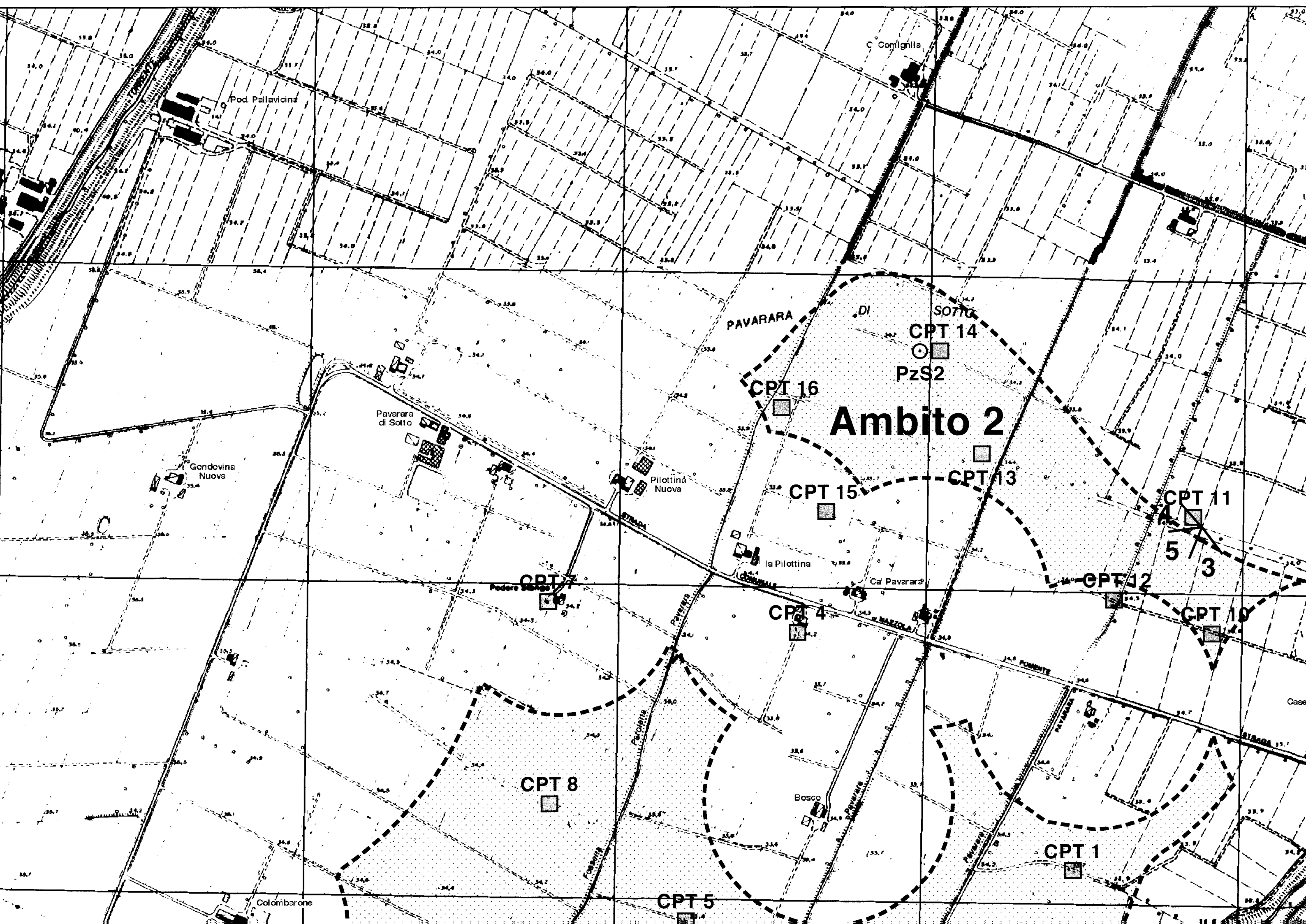
Cu = Coesione non drenata [kg/cm2]

Fi = Angolo di attrito [gradi]

Gmax = Modulo di taglio din. [kg/cm2]

z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	1.3	-	-									
0.6	9.1	0.9	10.2	-	1.77	0.11	0.00	25	> 50	0.50	0.0	-	ARG. ORG.
0.8	3.1	1.7	55.4	-	1.75	0.14	0.00	9	4.9	0.17	0.0	-	ARG. ORG.
1.0	4.1	0.9	22.6	-	1.75	0.18	0.00	11	5.4	0.22	0.0	-	ARG. ORG.
1.2	11.3	0.6	5.3	-	1.78	0.21	0.00	45	21.6	0.61	0.0	-	ARGILLA
1.4	13.3	0.8	6.0	-	1.79	0.25	0.00	49	21.9	0.72	0.0	-	ARGILLA
1.6	19.3	0.6	3.1	-	1.81	0.29	0.00	58	-	0.00	27.8	-	LIMO-ARG.S
1.8	24.3	1.0	4.1	-	1.83	0.32	0.00	60	41.3	1.33	0.0	-	ARGILLA
2.0	23.3	1.3	5.4	-	1.82	0.36	0.00	58	31.4	1.27	0.0	-	ARGILLA
2.2	22.4	1.1	5.1	-	1.82	0.39	0.00	56	24.6	1.22	0.0	-	ARGILLA
2.4	20.4	0.9	4.3	-	1.81	0.43	0.00	51	17.8	1.11	0.0	-	ARGILLA
2.6	22.4	1.1	5.1	-	1.82	0.47	0.00	56	18.2	1.22	0.0	-	ARGILLA
2.8	21.4	1.1	5.3	-	1.82	0.50	0.00	53	14.7	1.16	0.0	-	ARGILLA
3.0	24.4	1.1	4.4	-	1.83	0.54	0.00	60	16.4	1.32	0.0	-	ARGILLA
3.2	24.5	1.0	4.1	-	1.83	0.58	0.00	61	14.7	1.33	0.0	-	ARGILLA
3.4	21.5	0.8	3.7	-	1.82	0.61	0.00	54	10.6	1.16	0.0	-	ARG.LIM.
3.6	21.5	0.7	3.4	-	1.82	0.65	0.00	54	9.6	1.16	0.0	-	ARG.LIM.
3.8	23.5	1.0	4.3	-	1.82	0.69	0.00	58	10.2	1.27	0.0	-	ARGILLA
4.0	24.5	1.1	4.6	-	1.83	0.72	0.00	61	10.0	1.32	0.0	-	ARGILLA
4.2	24.7	1.0	4.1	-	1.83	0.76	0.00	61	9.3	1.33	0.0	-	ARGILLA
4.4	27.7	1.0	3.6	-	1.84	0.80	0.00	68	10.4	1.49	0.0	-	ARG.LIM.
4.6	27.7	1.1	3.9	-	1.84	0.83	0.00	68	9.7	1.49	0.0	-	ARG.LIM.
4.8	31.7	1.3	4.0	-	1.85	0.85	0.01	76	11.7	1.71	0.0	-	ARGILLA
5.0	26.7	1.5	5.5	-	1.84	0.87	0.03	65	8.5	1.43	0.0	-	ARGILLA
5.2	21.8	1.5	6.7	-	1.82	0.88	0.05	54	5.9	1.16	0.0	-	ARG. ORG.
5.4	28.8	1.7	6.0	-	1.84	0.90	0.07	70	9.0	1.55	0.0	-	ARGILLA
5.6	35.8	2.1	6.0	-	1.87	0.92	0.09	85	12.6	1.93	0.0	-	ARGILLA
5.8	43.8	2.4	5.5	-	1.90	0.93	0.11	101	17.4	2.37	0.0	-	ARGILLA
6.0	43.8	1.5	3.4	-	1.90	0.95	0.13	101	16.8	2.37	0.0	-	ARG.LIM.
6.2	41.9	2.1	5.1	-	1.89	0.97	0.15	98	15.0	2.27	0.0	-	ARGILLA
6.4	37.9	2.3	6.0	-	1.88	0.99	0.17	90	12.2	2.04	0.0	-	ARGILLA
6.6	33.9	1.7	5.1	-	1.86	1.01	0.19	81	9.8	1.82	0.0	-	ARGILLA
6.8	32.9	1.6	4.9	-	1.86	1.02	0.21	79	9.1	1.76	0.0	-	ARGILLA
7.0	37.9	1.9	4.9	-	1.88	1.04	0.23	90	11.2	2.04	0.0	-	ARGILLA
7.2	39.0	1.9	4.8	-	1.88	1.06	0.25	92	11.4	2.10	0.0	-	ARGILLA
7.4	36.0	1.7	4.8	-	1.87	1.08	0.27	86	9.7	1.93	0.0	-	ARGILLA
7.6	33.0	1.5	4.6	-	1.86	1.09	0.29	79	8.1	1.76	0.0	-	ARGILLA
7.8	28.0	1.4	5.0	-	1.84	1.11	0.31	68	6.1	1.48	0.0	-	ARGILLA
8.0	22.0	1.1	4.8	-	1.82	1.13	0.33	55	4.0	1.14	0.0	-	ARGILLA
8.2	20.2	1.1	5.3	-	1.81	1.14	0.35	51	3.5	1.04	0.0	-	ARGILLA
8.4	18.2	0.9	4.8	-	1.81	1.16	0.37	51	2.9	0.92	0.0	-	ARGILLA

8.6	15.2	0.7	4.8	-	1.79	1.17	0.39	51	2.2	0.76	0.0	-	ARGILLA
8.8	16.2	0.8	4.9	-	1.80	1.19	0.41	51	2.4	0.81	0.0	-	ARGILLA
9.0	19.2	1.1	5.9	-	1.81	1.21	0.43	51	2.9	0.97	0.0	-	ARGILLA
9.2	18.3	1.1	6.2	-	1.81	1.22	0.45	51	2.7	0.92	0.0	-	ARGILLA
9.4	18.3	1.1	6.2	-	1.81	1.24	0.47	51	2.6	0.92	0.0	-	ARGILLA
9.6	17.3	0.6	3.5	-	1.80	1.25	0.49	51	2.4	0.86	0.0	-	ARG.LIM.
9.8	15.3	0.7	4.8	-	1.80	1.27	0.51	51	2.0	0.75	0.0	-	ARGILLA
10.0	18.3	0.7	4.0	-	1.81	1.29	0.53	51	2.5	0.92	0.0	-	ARGILLA
10.2	13.4	0.5	3.5	-	1.79	1.30	0.55	49	1.6	0.64	0.0	-	ARG.LIM.
10.4	16.4	0.9	5.7	-	1.80	1.32	0.57	51	2.1	0.81	0.0	-	ARGILLA
10.6	16.4	0.1	0.8	-	1.80	1.33	0.59	49	-	0.00	28.8	276	SABBIA
10.8	13.4	0.1	1.0	-	1.79	1.35	0.61	40	-	0.00	27.7	244	SABBIA
11.0	19.4	1.7	8.6	-	1.81	1.37	0.63	53	2.5	0.97	0.0	-	ARG.ORG.
11.2	18.6	2.3	12.6	-	1.81	1.38	0.65	51	2.3	0.92	0.0	-	ARG.ORG.
11.4	55.6	2.3	4.1	-	1.94	1.40	0.67	123	12.8	2.97	0.0	-	ARGILLA
11.6	54.6	2.1	3.8	-	1.94	1.42	0.69	122	12.1	2.91	0.0	-	ARG.LIM.
11.8	57.6	1.1	2.0	-	1.95	1.44	0.71	173	-	0.00	32.6	-	LIMO SABB.
12.0	61.6	1.6	2.6	-	1.96	1.46	0.73	185	-	0.00	32.4	-	LIMO-ARG.S
12.2	63.7	2.7	4.2	-	1.97	1.48	0.75	137	14.8	3.41	0.0	-	ARGILLA
12.4	53.7	2.7	5.0	-	1.93	1.50	0.77	120	10.7	2.86	0.0	-	ARGILLA
12.6	57.7	0.7	1.2	-	1.95	1.51	0.79	173	-	0.00	35.0	594	SABBIA



Ambito 2

PROVA PENETROMETRICA STATICA n. 17

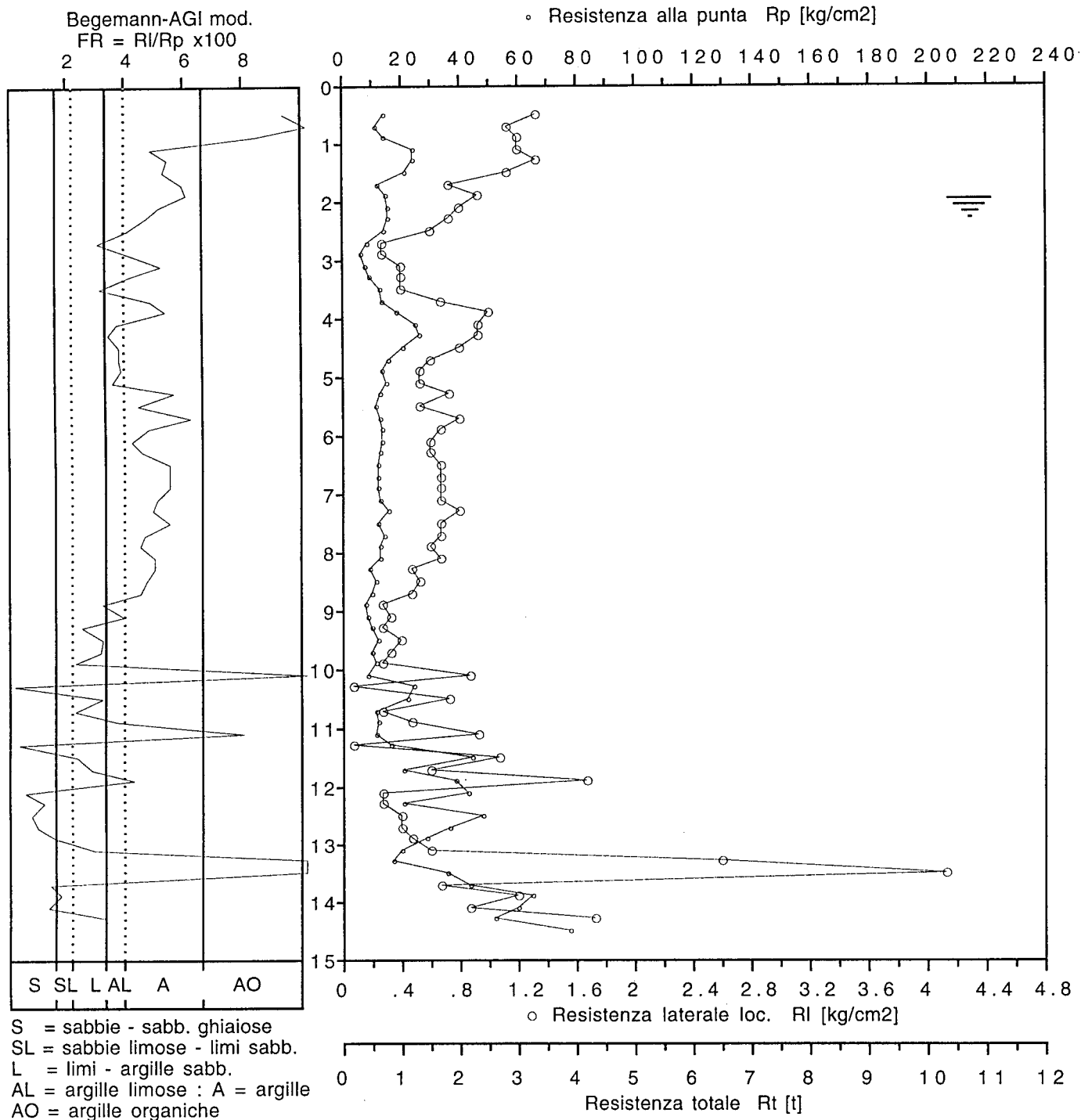
6017

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 30/06/1995

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA n. 17

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 30/06/1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S

Grado di consolidazione OCR

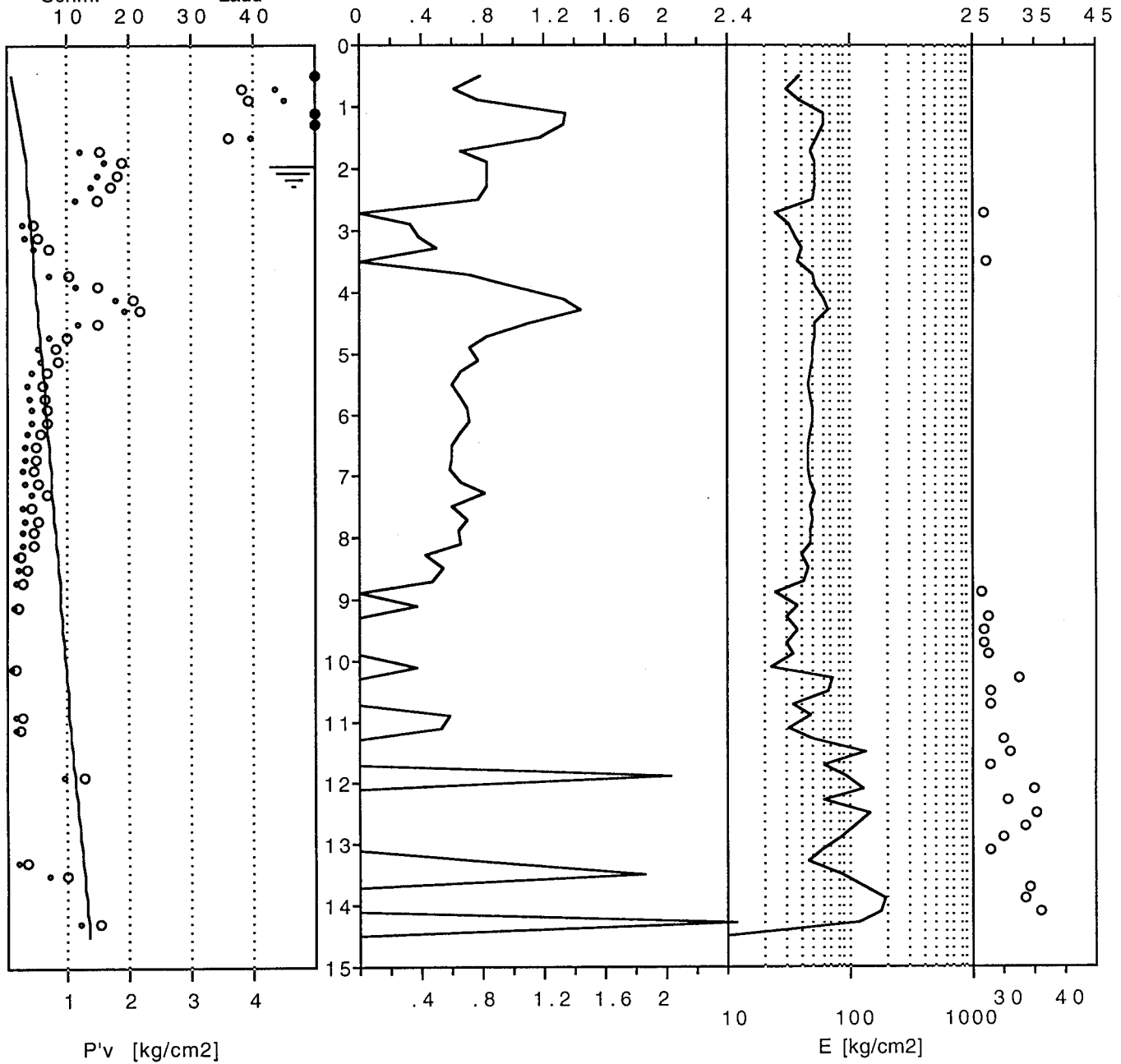
• Schm.

○ Ladd

Cu [kg/cm²]

E [kg/cm²]

Fi [°]



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Impresa esecutrice :

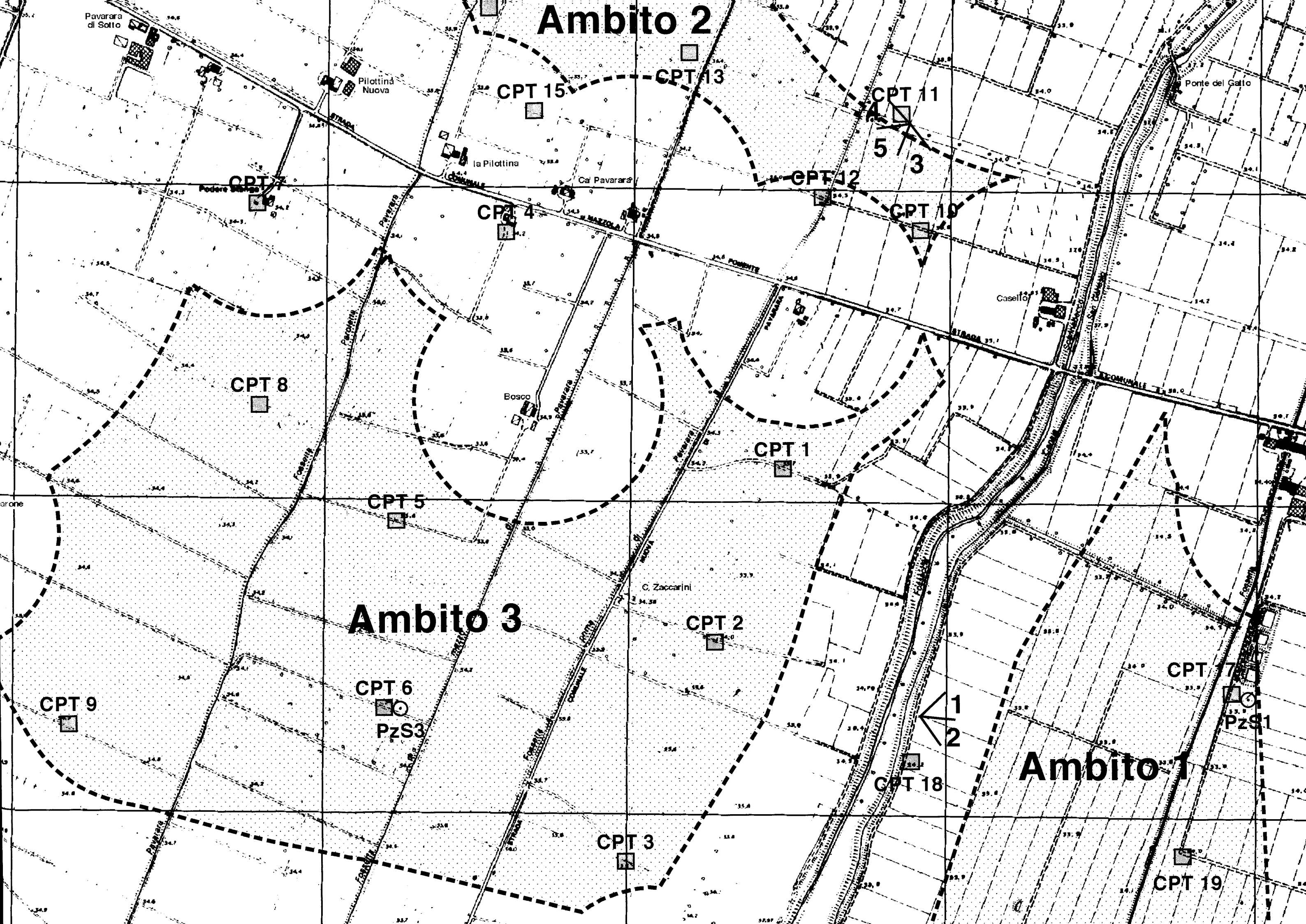
Data : 30/06/1995

progr.: CPT-4.0/S

PROVA CPT n. : 17

Parametri penetrometrici					Parametri geotecnici stimati								
Rp	= resistenza alla punta [kg/cm2]				g	= Peso di volume		[t/m3]					
RI	= resistenza lat. locale [kg/cm2]				P'v	= Press. vert. efficace		[kg/cm2]					
FR	= RI/Rp x 100 [-]				u	= Press. neutra		[kg/cm2]					
Rt	= resistenza totale [kgf]				E	= Modulo di deform.		[kg/cm2]					
					OCR	= Grado di sovracons.		[-]					
Quota p.c.:	m				Cu	= Coesione non drenata		[kg/cm2]					
Falda a m	-1.95 dal p.c.				Fi	= Angolo di attrito		[gradi]					
z = prof. max. del tratto esplorato dalla base penetr.					Gmax	= Modulo di taglio din.		[kg/cm2]					
z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	1.4	-	-				-	-	-	-	-	
0.6	14.1	1.3	9.4	-	1.79	0.11	0.00	39	> 50	0.78	0.0	-	ARG. ORG.
0.8	11.1	1.1	10.2	-	1.78	0.14	0.00	31	43.6	0.61	0.0	-	ARG. ORG.
1.0	14.1	1.2	8.5	-	1.79	0.18	0.00	39	44.8	0.78	0.0	-	ARG. ORG.
1.2	24.3	1.2	4.9	-	1.83	0.22	0.00	60	> 50	1.34	0.0	-	ARGILLA
1.4	24.3	1.3	5.5	-	1.83	0.25	0.00	60	> 50	1.33	0.0	-	ARGILLA
1.6	21.3	1.1	5.3	-	1.82	0.29	0.00	53	39.5	1.17	0.0	-	ARGILLA
1.8	12.3	0.7	6.0	-	1.78	0.32	0.00	47	12.0	0.66	0.0	-	ARGILLA
2.0	15.3	0.9	6.1	-	1.79	0.34	0.01	51	16.2	0.83	0.0	-	ARGILLA
2.2	15.4	0.8	5.2	-	1.80	0.36	0.03	51	15.1	0.83	0.0	-	ARGILLA
2.4	15.4	0.7	4.8	-	1.80	0.37	0.05	51	14.0	0.83	0.0	-	ARGILLA
2.6	14.4	0.6	4.2	-	1.79	0.39	0.07	50	11.6	0.77	0.0	-	ARGILLA
2.8	8.4	0.3	3.2	-	1.77	0.40	0.09	25	-	0.00	26.6	-	LIMO-ARG.S
3.0	6.4	0.3	4.2	-	1.76	0.42	0.11	31	2.8	0.33	0.0	-	ARGILLA
3.2	7.5	0.4	5.3	-	1.77	0.43	0.13	35	3.4	0.39	0.0	-	ARGILLA
3.4	9.5	0.4	4.2	-	1.77	0.45	0.15	41	4.6	0.50	0.0	-	ARGILLA
3.6	12.5	0.4	3.2	-	1.79	0.47	0.17	38	-	0.00	27.0	-	LIMO-ARG.S
3.8	13.5	0.7	4.9	-	1.79	0.48	0.19	49	7.2	0.71	0.0	-	ARGILLA
4.0	18.5	1.0	5.4	-	1.81	0.50	0.21	51	11.5	0.99	0.0	-	ARGILLA
4.2	24.7	0.9	3.8	-	1.83	0.51	0.23	61	17.9	1.33	0.0	-	ARG.LIM.
4.4	26.7	0.9	3.5	-	1.84	0.53	0.25	65	19.5	1.44	0.0	-	ARG.LIM.
4.6	20.7	0.8	3.9	-	1.81	0.55	0.27	52	11.8	1.10	0.0	-	ARG.LIM.
4.8	15.7	0.6	3.8	-	1.80	0.56	0.29	51	7.0	0.82	0.0	-	ARG.LIM.
5.0	13.7	0.5	3.9	-	1.79	0.58	0.31	49	5.3	0.71	0.0	-	ARG.LIM.
5.2	14.8	0.5	3.6	-	1.79	0.59	0.33	50	5.8	0.77	0.0	-	ARG.LIM.
5.4	12.8	0.7	5.7	-	1.79	0.61	0.35	48	4.4	0.66	0.0	-	ARGILLA
5.6	11.8	0.5	4.5	-	1.78	0.63	0.37	46	3.7	0.60	0.0	-	ARGILLA
5.8	12.8	0.8	6.3	-	1.79	0.64	0.39	48	4.1	0.65	0.0	-	ARGILLA
6.0	13.8	0.7	4.8	-	1.79	0.66	0.41	49	4.4	0.71	0.0	-	ARGILLA
6.2	13.9	0.6	4.3	-	1.79	0.67	0.43	50	4.3	0.71	0.0	-	ARGILLA
6.4	12.9	0.6	4.6	-	1.79	0.69	0.45	48	3.7	0.65	0.0	-	ARGILLA
6.6	11.9	0.7	5.6	-	1.78	0.70	0.47	47	3.1	0.60	0.0	-	ARGILLA
6.8	11.9	0.7	5.6	-	1.78	0.72	0.49	47	3.0	0.59	0.0	-	ARGILLA
7.0	11.9	0.7	5.6	-	1.78	0.74	0.51	47	2.9	0.59	0.0	-	ARGILLA
7.2	13.0	0.7	5.1	-	1.79	0.75	0.53	48	3.3	0.65	0.0	-	ARGILLA
7.4	16.0	0.8	5.0	-	1.80	0.77	0.55	51	4.3	0.82	0.0	-	ARGILLA
7.6	12.0	0.7	5.5	-	1.78	0.78	0.57	47	2.7	0.59	0.0	-	ARGILLA
7.8	14.0	0.7	4.7	-	1.79	0.80	0.59	50	3.3	0.70	0.0	-	ARGILLA
8.0	13.0	0.6	4.6	-	1.79	0.81	0.61	48	2.9	0.65	0.0	-	ARGILLA
8.2	13.2	0.7	5.1	-	1.79	0.83	0.63	49	2.8	0.65	0.0	-	ARGILLA
8.4	9.2	0.5	5.1	-	1.77	0.85	0.65	40	1.7	0.43	0.0	-	ARGILLA

8.6	11.2	0.5	4.8	-	1.78	0.86	0.67	45	2.1	0.54	0.0	-	ARGILLA
8.8	10.2	0.5	4.6	-	1.78	0.88	0.69	43	1.8	0.48	0.0	-	ARGILLA
9.0	8.2	0.3	3.3	-	1.77	0.89	0.71	25	-	0.00	26.5	-	LIMO-ARG.S
9.2	8.3	0.3	4.0	-	1.77	0.91	0.73	38	1.3	0.37	0.0	-	ARGILLA
9.4	10.3	0.3	2.6	-	1.78	0.92	0.75	31	-	0.00	27.3	-	LIMO-ARG.S
9.6	12.3	0.4	3.3	-	1.78	0.94	0.77	37	-	0.00	26.9	-	LIMO-ARG.S
9.8	10.3	0.3	3.2	-	1.78	0.95	0.79	31	-	0.00	26.7	-	LIMO-ARG.S
10.0	11.3	0.3	2.4	-	1.78	0.97	0.81	34	-	0.00	27.7	-	LIMO-ARG.S
10.2	8.4	0.9	10.3	-	1.77	0.99	0.83	23	1.2	0.37	0.0	-	ARG. ORG.
10.4	24.4	0.1	0.3	-	1.83	1.00	0.85	73	-	0.00	32.4	351	SABBIA
10.6	22.4	0.7	3.3	-	1.82	1.02	0.87	67	-	0.00	27.9	-	LIMO-ARG.S
10.8	11.4	0.3	2.3	-	1.78	1.03	0.89	34	-	0.00	27.7	-	LIMO-ARG.S
11.0	12.4	0.5	3.8	-	1.78	1.05	0.91	48	1.8	0.58	0.0	-	ARG.LIM.
11.2	11.6	0.9	8.1	-	1.78	1.07	0.93	32	1.6	0.53	0.0	-	ARG. ORG.
11.4	16.6	0.1	0.4	-	1.80	1.08	0.95	50	-	0.00	29.9	277	SABBIA
11.6	44.6	1.1	2.4	-	1.90	1.10	0.97	134	-	0.00	31.0	-	LIMO-ARG.S
11.8	20.6	0.6	2.9	-	1.81	1.12	0.99	62	-	0.00	28.0	-	LIMO-ARG.S
12.0	38.6	1.7	4.3	-	1.88	1.13	1.01	91	9.6	2.02	0.0	-	ARGILLA
12.2	42.7	0.3	0.6	-	1.89	1.15	1.03	128	-	0.00	34.9	494	SABBIA
12.4	20.7	0.3	1.3	-	1.81	1.17	1.05	62	-	0.00	30.7	317	SABBIA
12.6	47.7	0.4	0.8	-	1.91	1.19	1.07	143	-	0.00	35.4	529	SABBIA
12.8	36.7	0.4	1.1	-	1.87	1.20	1.09	110	-	0.00	33.7	451	SABBIA
13.0	28.7	0.5	1.6	-	1.84	1.22	1.11	86	-	0.00	30.1	-	SABBIA
13.2	19.8	0.6	3.0	-	1.81	1.24	1.13	59	-	0.00	27.8	-	LIMO-ARG.S
13.4	16.8	2.6	15.5	-	1.80	1.25	1.15	46	2.2	0.80	0.0	-	ARG. ORG.
13.6	35.8	4.1	11.5	-	1.87	1.27	1.17	85	7.0	1.85	0.0	-	ARG. ORG.
13.8	43.8	0.7	1.5	-	1.90	1.29	1.19	131	-	0.00	34.4	502	SABBIA
14.0	64.8	1.2	1.9	-	1.97	1.31	1.21	194	-	0.00	33.5	-	SABBIA LIM.
14.2	60.0	0.9	1.4	-	1.96	1.33	1.23	180	-	0.00	36.1	608	SABBIA
14.4	52.0	1.7	3.3	-	1.93	1.34	1.25	117	12.0	2.74	0.0	-	ARG.LIM.
14.6	78.0	-	-	-	2.02	1.36	1.27	234	-	-	-	-	-



PROVA PENETROMETRICA STATICA n. 18

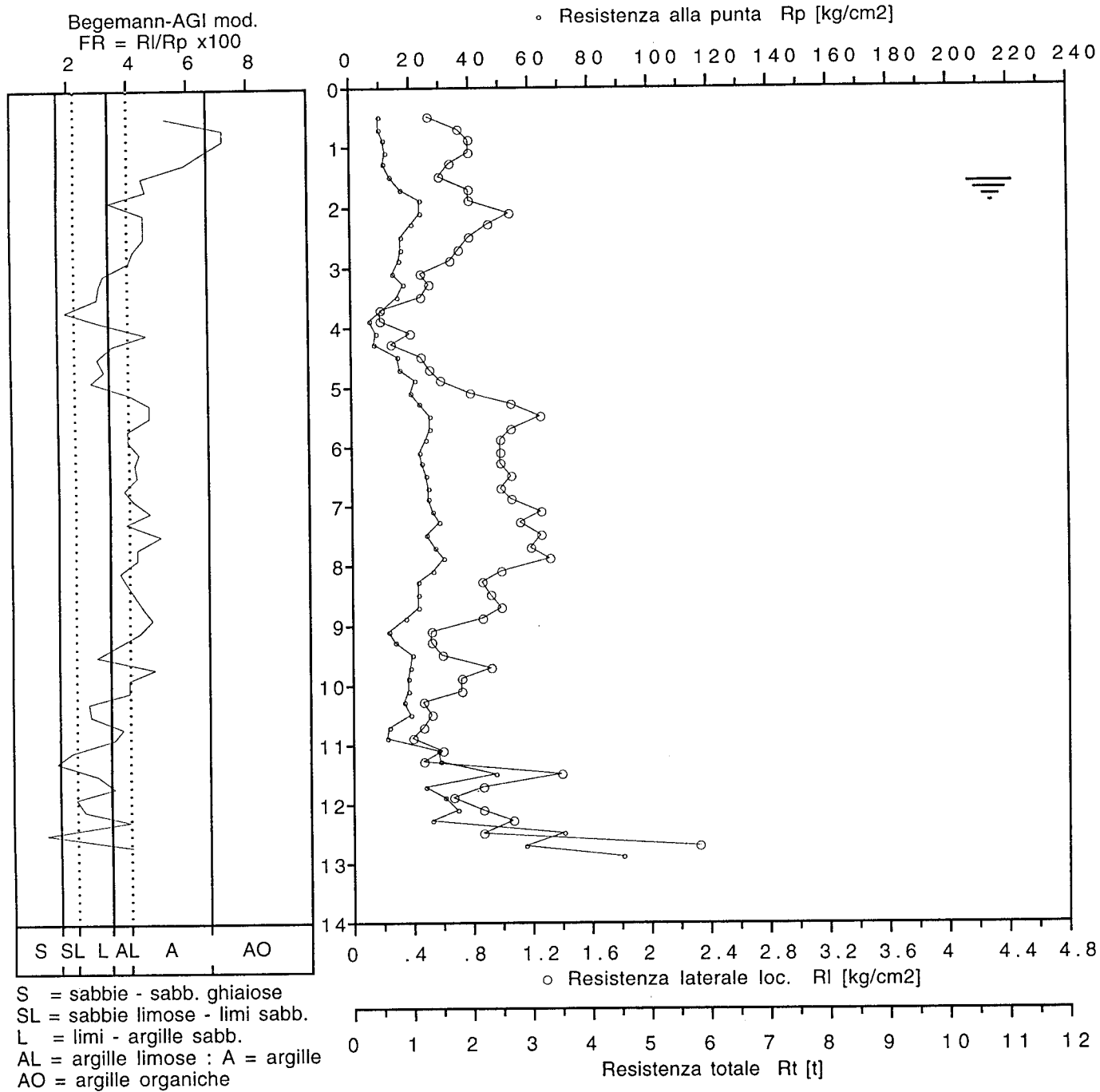
C018

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 30/06/1995

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA n. 18

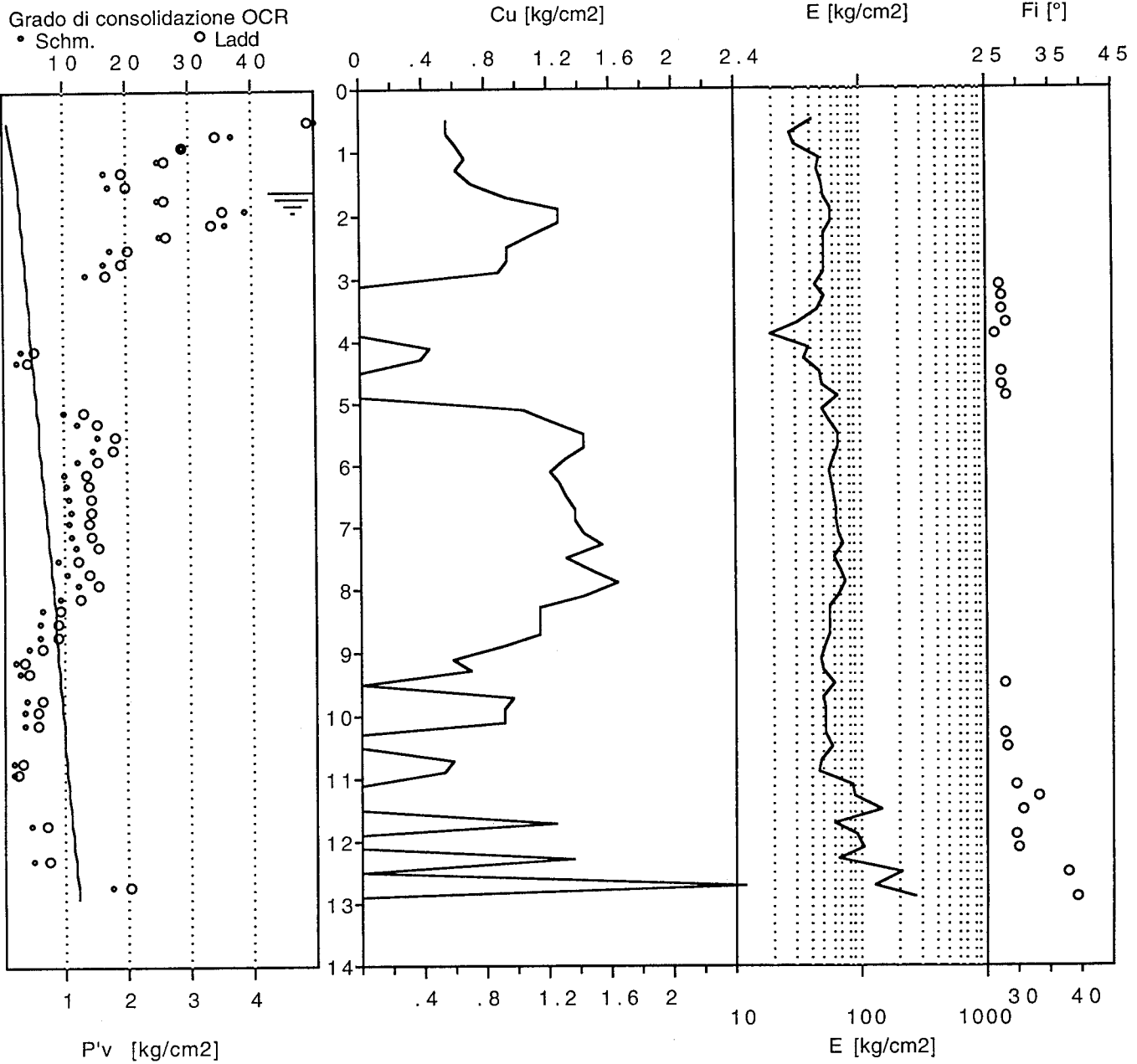
Committente : Amm.ne Comunale di S. Secondo

Localita' :

Data : 30/06/1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S. Secondo

Localita' :

Impresa esecutrice :

Data : 30/06/1995

progr.: CPT-4.0/S

PROVA CPT n. : 18

Parametri penetrometrici

Rp = resistenza alla punta [kg/cm2]
 RI = resistenza lat. locale [kg/cm2]
 FR = RI/Rp x 100 [-]
 Rt = resistenza totale [kgf]

Quota p.c.: m

Falda a m -1.6 dal p.c.

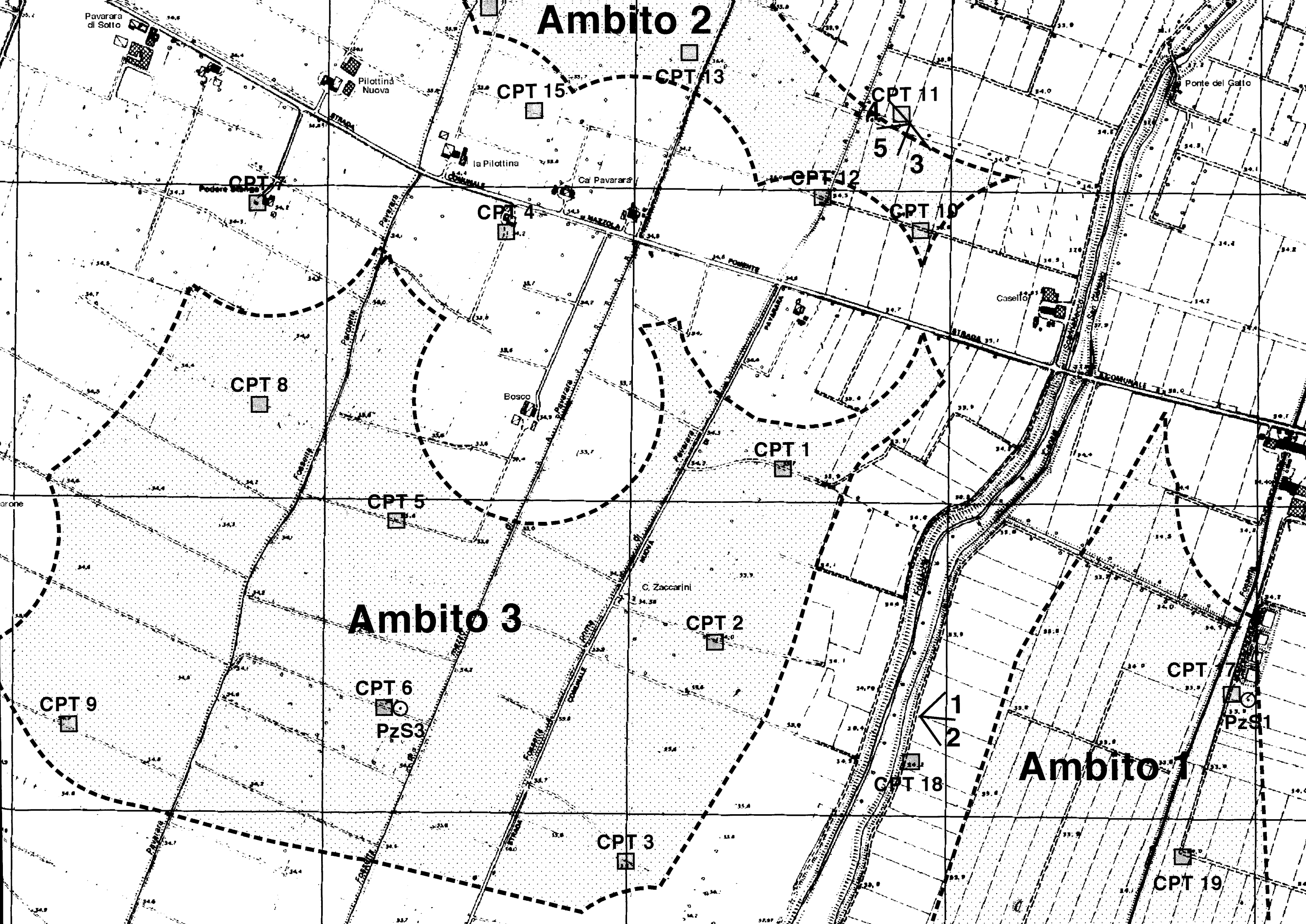
z = prof. max. del tratto esplorato dalla base penetr.

Parametri geotecnici stimati

g = Peso di volume [t/m3]
 P'v = Press. vert. efficace [kg/cm2]
 u = Press. neutra [kg/cm2]
 E = Modulo di deform. [kg/cm2]
 OCR = Grado di sovracons. [-]
 Cu = Coesione non drenata [kg/cm2]
 Fi = Angolo di attrito [gradi]
 Gmax = Modulo di taglio din. [kg/cm2]

z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	0.4	-	-	-	-	-	-	-	-	-	-	-
0.6	10.1	0.5	5.3	-	1.78	0.11	0.00	43	> 50	0.56	0.0	-	ARGILLA
0.8	10.1	0.7	7.2	-	1.78	0.14	0.00	28	36.8	0.55	0.0	-	ARG. ORG.
1.0	11.1	0.8	7.2	-	1.78	0.18	0.00	31	29.1	0.61	0.0	-	ARG. ORG.
1.2	12.3	0.8	6.5	-	1.78	0.21	0.00	47	24.9	0.67	0.0	-	ARGILLA
1.4	11.3	0.7	5.9	-	1.78	0.25	0.00	45	16.3	0.61	0.0	-	ARGILLA
1.6	13.3	0.6	4.5	-	1.79	0.29	0.00	49	17.2	0.72	0.0	-	ARGILLA
1.8	17.3	0.8	4.6	-	1.80	0.30	0.02	51	24.9	0.94	0.0	-	ARGILLA
2.0	23.3	0.8	3.4	-	1.82	0.32	0.04	58	38.9	1.27	0.0	-	ARG.LIM.
2.2	23.4	1.1	4.6	-	1.82	0.33	0.06	58	35.7	1.28	0.0	-	ARGILLA
2.4	20.4	0.9	4.6	-	1.81	0.35	0.08	51	25.5	1.11	0.0	-	ARGILLA
2.6	17.4	0.8	4.6	-	1.80	0.37	0.10	51	17.6	0.94	0.0	-	ARGILLA
2.8	17.4	0.7	4.2	-	1.80	0.38	0.12	51	16.3	0.94	0.0	-	ARGILLA
3.0	16.4	0.7	4.1	-	1.80	0.40	0.14	51	13.7	0.88	0.0	-	ARGILLA
3.2	14.5	0.5	3.2	-	1.79	0.41	0.16	44	-	0.00	27.2	-	LIMO-ARG.S
3.4	17.5	0.5	3.0	-	1.80	0.43	0.18	53	-	0.00	27.7	-	LIMO-ARG.S
3.6	15.5	0.5	3.0	-	1.80	0.45	0.20	47	-	0.00	27.5	-	LIMO-ARG.S
3.8	10.5	0.2	1.9	-	1.78	0.46	0.22	32	-	0.00	28.1	-	LIMO SABB.
4.0	6.5	0.2	3.1	-	1.76	0.48	0.24	20	-	0.00	26.5	-	LIMO-ARG.S
4.2	8.7	0.4	4.6	-	1.77	0.49	0.26	39	3.4	0.44	0.0	-	ARGILLA
4.4	7.7	0.3	3.5	-	1.77	0.51	0.28	36	2.7	0.38	0.0	-	ARG.LIM.
4.6	15.7	0.5	3.0	-	1.80	0.52	0.30	47	-	0.00	27.5	-	LIMO-ARG.S
4.8	16.7	0.5	3.2	-	1.80	0.54	0.32	50	-	0.00	27.4	-	LIMO-ARG.S
5.0	21.7	0.6	2.8	-	1.82	0.56	0.34	65	-	0.00	28.3	-	LIMO-ARG.S
5.2	19.8	0.8	4.0	-	1.81	0.57	0.36	50	10.0	1.05	0.0	-	ARGILLA
5.4	22.8	1.1	4.7	-	1.82	0.59	0.38	57	12.1	1.21	0.0	-	ARGILLA
5.6	26.8	1.3	4.7	-	1.84	0.61	0.40	66	15.3	1.43	0.0	-	ARGILLA
5.8	26.8	1.1	4.0	-	1.84	0.62	0.42	66	14.6	1.43	0.0	-	ARG.LIM.
6.0	24.8	1.0	4.0	-	1.83	0.64	0.44	61	12.2	1.32	0.0	-	ARGILLA
6.2	22.9	1.0	4.4	-	1.82	0.66	0.46	57	10.2	1.21	0.0	-	ARGILLA
6.4	23.9	1.0	4.2	-	1.83	0.67	0.48	59	10.5	1.26	0.0	-	ARGILLA
6.6	24.9	1.1	4.3	-	1.83	0.69	0.50	61	10.8	1.32	0.0	-	ARGILLA
6.8	25.9	1.0	3.9	-	1.83	0.71	0.52	64	11.1	1.37	0.0	-	ARG.LIM.
7.0	25.9	1.1	4.1	-	1.83	0.72	0.54	64	10.6	1.37	0.0	-	ARGILLA
7.2	27.0	1.3	4.7	-	1.84	0.74	0.56	66	11.0	1.43	0.0	-	ARGILLA
7.4	29.0	1.1	3.9	-	1.84	0.76	0.58	71	11.9	1.54	0.0	-	ARG.LIM.
7.6	25.0	1.3	5.1	-	1.83	0.77	0.60	62	8.9	1.31	0.0	-	ARGILLA
7.8	28.0	1.2	4.3	-	1.84	0.79	0.62	68	10.4	1.48	0.0	-	ARGILLA
8.0	31.0	1.3	4.3	-	1.85	0.81	0.64	75	12.0	1.64	0.0	-	ARGILLA
8.2	27.2	1.0	3.7	-	1.84	0.82	0.66	67	9.2	1.43	0.0	-	ARG.LIM.
8.4	22.2	0.9	3.9	-	1.82	0.84	0.68	55	6.3	1.15	0.0	-	ARG.LIM.

8.6	22.2	0.9	4.2	-	1.82	0.86	0.70	55	6.1	1.15	0.0	-	ARGILLA
8.8	22.2	1.0	4.5	-	1.82	0.87	0.72	55	5.9	1.14	0.0	-	ARGILLA
9.0	18.2	0.9	4.8	-	1.81	0.89	0.74	51	4.2	0.92	0.0	-	ARGILLA
9.2	12.3	0.5	4.3	-	1.78	0.90	0.76	47	2.2	0.59	0.0	-	ARGILLA
9.4	14.3	0.5	3.7	-	1.79	0.92	0.78	50	2.7	0.70	0.0	-	ARG.LIM.
9.6	20.3	0.6	3.0	-	1.81	0.94	0.80	61	-	0.00	28.0	-	LIMO-ARG.S
9.8	19.3	0.9	4.8	-	1.81	0.95	0.82	51	4.1	0.97	0.0	-	ARGILLA
10.0	18.3	0.7	4.0	-	1.81	0.97	0.84	51	3.7	0.92	0.0	-	ARGILLA
10.2	18.4	0.7	4.0	-	1.81	0.98	0.86	51	3.6	0.92	0.0	-	ARG.LIM.
10.4	17.4	0.5	2.7	-	1.80	1.00	0.88	52	-	0.00	28.0	-	LIMO-ARG.S
10.6	19.4	0.5	2.7	-	1.81	1.02	0.90	58	-	0.00	28.1	-	LIMO-ARG.S
10.8	12.4	0.5	3.8	-	1.78	1.03	0.92	48	1.9	0.58	0.0	-	ARG.LIM.
11.0	11.4	0.4	3.5	-	1.78	1.05	0.94	46	1.6	0.52	0.0	-	ARG.LIM.
11.2	28.6	0.6	2.1	-	1.84	1.07	0.96	86	-	0.00	29.6	-	LIMO SABB.
11.4	29.6	0.5	1.6	-	1.85	1.08	0.98	89	-	0.00	33.1	395	SABBIA
11.6	47.6	1.4	2.9	-	1.91	1.10	1.00	143	-	0.00	30.7	-	LIMO-ARG.S
11.8	24.6	0.9	3.5	-	1.83	1.12	1.02	61	4.6	1.25	0.0	-	ARG.LIM.
12.0	30.6	0.7	2.2	-	1.85	1.13	1.04	92	-	0.00	29.8	-	LIMO SABB.
12.2	34.7	0.9	2.5	-	1.86	1.15	1.06	104	-	0.00	29.9	-	LIMO-ARG.S
12.4	26.7	1.1	4.0	-	1.84	1.17	1.08	65	4.9	1.36	0.0	-	ARG.LIM.
12.6	70.7	0.9	1.2	-	1.99	1.19	1.10	212	-	0.00	37.9	673	SABBIA
12.8	57.7	2.3	4.0	-	1.95	1.21	1.12	127	17.5	3.08	0.0	-	ARGILLA
13.0	90.7	0.5	0.5	-	2.07	1.23	1.14	272	-	0.00	39.3	783	SABBIA



Ambito 2

CPT 15

CPT 13

CPT 11

4

5

3

CPT 12

CPT 10

CPT 4

CPT 7

CPT 8

CPT 1

CPT 5

Ambito 3

CPT 2

CPT 6

PzS3

CPT 9

CPT 3

CPT 18

Ambito 1

CPT 7

PzS1

CPT 19

PROVA PENETROMETRICA STATICA n. 19

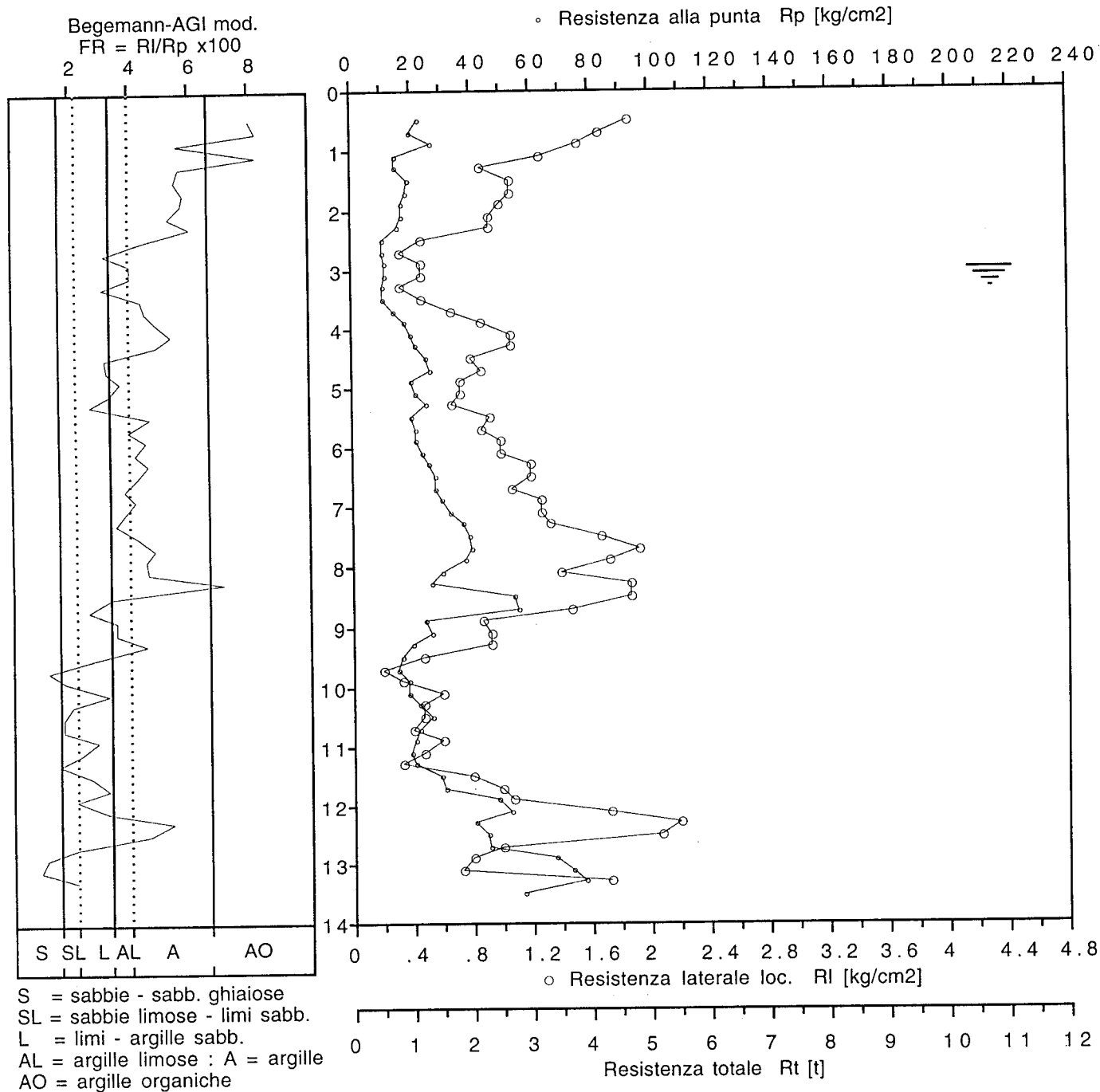
0019

Committente : Amm.ne Comunale di S.Secondo

Localita' :

Data : 30/06/1995

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA n. 19

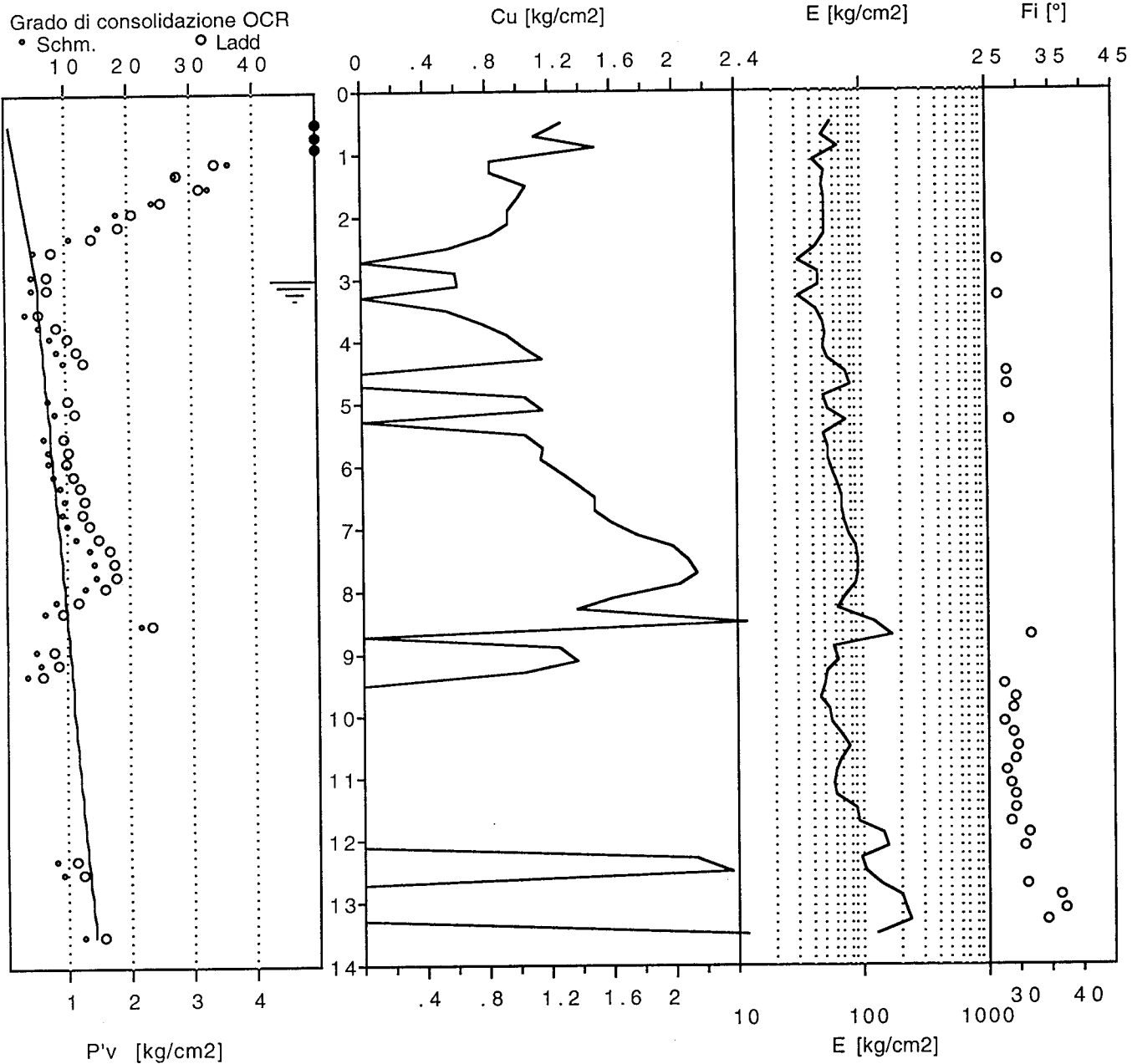
Committente : Amm.ne Comunale di S.Secondo

Localita' :

Data : 30/06/1995

Litologia : Begemann ('65) - AGI ('77), modif.

progr.: CPT-4.0/S



PROVA PENETROMETRICA STATICA - ELABORAZIONE NUMERICA DEI RISULTATI

Committente : Amm.ne Comunale di S.Secondo

Localita' :

Impresa esecutrice :

Data : 30/06/1995

progr.: CPT-4.0/S

PROVA CPT n. : 19

Parametri penetrometrici

Rp = resistenza alla punta [kg/cm2]
 RI = resistenza lat. locale [kg/cm2]
 FR = RI/Rp x 100 [-]
 Rt = resistenza totale [kgf]

Quota p.c.: m

Falda a m -3 dal p.c.

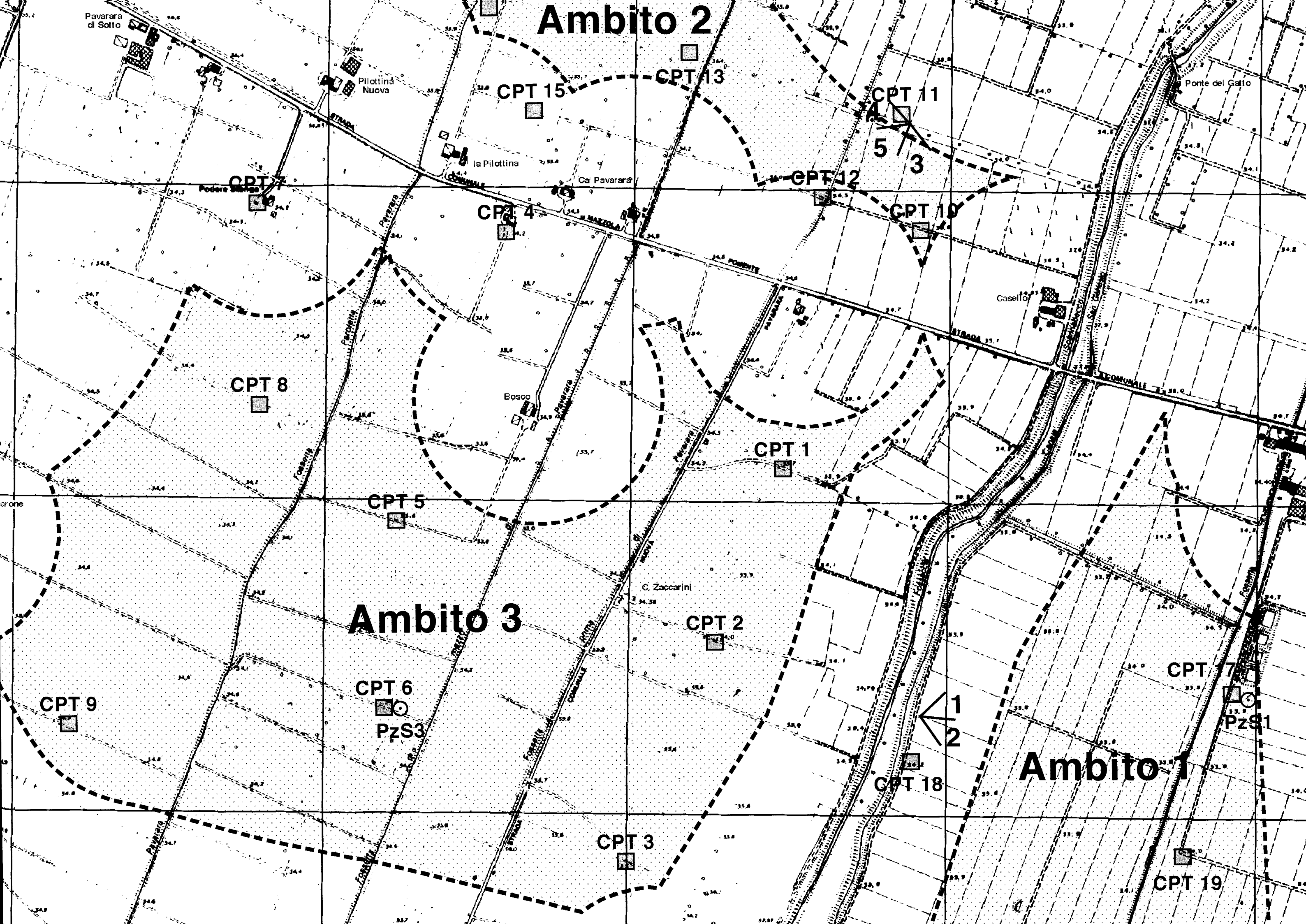
z = prof. max. del tratto esplorato dalla base penetr.

Parametri geotecnici stimati

g = Peso di volume [t/m3]
 P'v = Press. vert. efficace [kg/cm2]
 u = Press. neutra [kg/cm2]
 E = Modulo di deform. [kg/cm2]
 OCR = Grado di sovracons. [-]
 Cu = Coesione non drenata [kg/cm2]
 Fi = Angolo di attrito [gradi]
 Gmax = Modulo di taglio din. [kg/cm2]

z[m]	Rp	RI	FR	Rt	g	P'v	u	E	OCR	Cu	Fi	Gmax	TERRENO (AGI)
0.4	-	1.9	-	-	-	-	-	-	-	-	-	-	-
0.6	23.1	1.9	8.1	-	1.82	0.11	0.00	57	> 50	1.28	0.0	-	ARG. ORG.
0.8	20.1	1.7	8.3	-	1.81	0.14	0.00	50	> 50	1.11	0.0	-	ARG. ORG.
1.0	27.1	1.5	5.7	-	1.84	0.18	0.00	66	> 50	1.50	0.0	-	ARGILLA
1.2	15.3	1.3	8.3	-	1.79	0.22	0.00	42	36.2	0.84	0.0	-	ARG. ORG.
1.4	15.3	0.9	5.7	-	1.79	0.25	0.00	51	27.4	0.83	0.0	-	ARGILLA
1.6	19.3	1.1	5.5	-	1.81	0.29	0.00	51	32.8	1.05	0.0	-	ARGILLA
1.8	18.3	1.1	5.8	-	1.81	0.33	0.00	51	24.1	1.00	0.0	-	ARGILLA
2.0	17.3	1.0	5.8	-	1.80	0.36	0.00	51	18.1	0.94	0.0	-	ARGILLA
2.2	17.4	0.9	5.4	-	1.80	0.40	0.00	51	15.5	0.94	0.0	-	ARGILLA
2.4	15.4	0.9	6.1	-	1.80	0.43	0.00	51	10.8	0.83	0.0	-	ARGILLA
2.6	10.4	0.5	4.5	-	1.78	0.47	0.00	43	5.0	0.55	0.0	-	ARGILLA
2.8	10.4	0.3	3.2	-	1.78	0.50	0.00	31	-	0.00	26.8	-	LIMO-ARG.S
3.0	11.4	0.5	4.1	-	1.78	0.54	0.00	46	4.6	0.60	0.0	-	ARGILLA
3.2	11.5	0.5	4.1	-	1.78	0.56	0.02	46	4.5	0.61	0.0	-	ARGILLA
3.4	10.5	0.3	3.2	-	1.78	0.57	0.04	32	-	0.00	26.8	-	LIMO-ARG.S
3.6	10.5	0.5	4.4	-	1.78	0.59	0.06	44	3.6	0.55	0.0	-	ARGILLA
3.8	14.5	0.7	4.6	-	1.79	0.60	0.08	50	5.7	0.77	0.0	-	ARGILLA
4.0	17.5	0.9	4.9	-	1.80	0.62	0.10	51	7.3	0.93	0.0	-	ARGILLA
4.2	19.7	1.1	5.4	-	1.81	0.64	0.12	50	8.5	1.05	0.0	-	ARGILLA
4.4	21.7	1.1	4.9	-	1.82	0.65	0.14	54	9.6	1.16	0.0	-	ARGILLA
4.6	24.7	0.8	3.2	-	1.83	0.67	0.16	74	-	0.00	28.2	-	LIMO-ARG.S
4.8	26.7	0.9	3.3	-	1.84	0.68	0.18	80	-	0.00	28.3	-	LIMO-ARG.S
5.0	19.7	0.7	3.7	-	1.81	0.70	0.20	50	7.2	1.04	0.0	-	ARG.LIM.
5.2	21.8	0.7	3.4	-	1.82	0.72	0.22	54	8.2	1.16	0.0	-	ARG.LIM.
5.4	24.8	0.7	2.7	-	1.83	0.73	0.24	74	-	0.00	28.7	-	LIMO-ARG.S
5.6	19.8	0.9	4.7	-	1.81	0.75	0.26	50	6.5	1.04	0.0	-	ARGILLA
5.8	21.8	0.9	4.0	-	1.82	0.77	0.28	54	7.3	1.15	0.0	-	ARG.LIM.
6.0	21.8	1.0	4.6	-	1.82	0.78	0.30	54	7.0	1.15	0.0	-	ARGILLA
6.2	23.9	1.0	4.2	-	1.83	0.80	0.32	59	7.9	1.27	0.0	-	ARGILLA
6.4	25.9	1.2	4.6	-	1.83	0.82	0.34	64	8.8	1.38	0.0	-	ARGILLA
6.6	27.9	1.2	4.3	-	1.84	0.83	0.36	68	9.6	1.48	0.0	-	ARGILLA
6.8	27.9	1.1	3.8	-	1.84	0.85	0.38	68	9.3	1.48	0.0	-	ARG.LIM.
7.0	29.9	1.3	4.2	-	1.85	0.87	0.40	73	10.1	1.59	0.0	-	ARGILLA
7.2	33.0	1.3	3.8	-	1.86	0.88	0.42	79	11.5	1.76	0.0	-	ARG.LIM.
7.4	37.0	1.3	3.6	-	1.87	0.90	0.44	88	13.6	1.98	0.0	-	ARG.LIM.
7.6	39.0	1.7	4.3	-	1.88	0.92	0.46	92	14.4	2.09	0.0	-	ARGILLA
7.8	40.0	1.9	4.8	-	1.88	0.94	0.48	94	14.6	2.15	0.0	-	ARGILLA
8.0	38.0	1.7	4.6	-	1.88	0.95	0.50	90	12.9	2.03	0.0	-	ARGILLA
8.2	30.2	1.4	4.6	-	1.85	0.97	0.52	73	8.4	1.59	0.0	-	ARGILLA
8.4	26.2	1.9	7.1	-	1.83	0.99	0.54	64	6.4	1.37	0.0	-	ARG. ORG.

8.6	54.0	1.9	3.5	-	1.93	1.01	0.56	121	21.8	2.91	0.0	-	ARG.LIM.
8.8	56.0	1.5	2.6	-	1.94	1.03	0.58	168	-	0.00	31.9	-	LIMO-ARG.S
9.0	24.2	0.9	3.6	-	1.83	1.04	0.60	60	5.2	1.25	0.0	-	ARG.LIM.
9.2	26.3	0.9	3.5	-	1.83	1.06	0.62	65	5.8	1.37	0.0	-	ARG.LIM.
9.4	20.3	0.9	4.6	-	1.81	1.07	0.64	51	3.7	1.03	0.0	-	ARGILLA
9.6	16.3	0.5	2.9	-	1.80	1.09	0.66	49	-	0.00	27.7	-	LIMO-ARG.S
9.8	15.3	0.2	1.3	-	1.80	1.11	0.68	46	-	0.00	29.4	264	SABBIA
10.0	18.3	0.3	1.8	-	1.81	1.12	0.70	55	-	0.00	28.9	-	SABBIA LIM.
10.2	18.4	0.6	3.3	-	1.81	1.14	0.72	55	-	0.00	27.5	-	LIMO-ARG.S
10.4	22.4	0.5	2.1	-	1.82	1.16	0.74	67	-	0.00	29.0	-	LIMO SABB.
10.6	26.4	0.5	1.8	-	1.84	1.17	0.76	79	-	0.00	29.8	-	SABBIA LIM.
10.8	22.4	0.4	1.8	-	1.82	1.19	0.78	67	-	0.00	29.3	-	SABBIA LIM.
11.0	20.4	0.6	2.9	-	1.81	1.20	0.80	61	-	0.00	28.0	-	LIMO-ARG.S
11.2	19.6	0.5	2.4	-	1.81	1.22	0.82	59	-	0.00	28.4	-	LIMO-ARG.S
11.4	20.6	0.3	1.6	-	1.81	1.24	0.84	62	-	0.00	29.3	-	SABBIA
11.6	29.6	0.8	2.7	-	1.85	1.25	0.86	89	-	0.00	29.1	-	LIMO-ARG.S
11.8	30.6	1.0	3.3	-	1.85	1.27	0.88	92	-	0.00	28.7	-	LIMO-ARG.S
12.0	48.6	1.1	2.2	-	1.91	1.29	0.90	146	-	0.00	31.5	-	LIMO SABB.
12.2	52.7	1.7	3.3	-	1.93	1.31	0.92	158	-	0.00	30.8	-	LIMO-ARG.S
12.4	40.7	2.2	5.4	-	1.89	1.33	0.94	95	8.1	2.13	0.0	-	ARGILLA
12.6	44.7	2.1	4.6	-	1.90	1.34	0.96	103	9.3	2.35	0.0	-	ARGILLA
12.8	45.7	1.0	2.2	-	1.90	1.36	0.98	137	-	0.00	31.2	-	LIMO SABB.
13.0	67.7	0.8	1.2	-	1.98	1.38	1.00	203	-	0.00	36.6	655	SABBIA
13.2	73.8	0.7	1.0	-	2.01	1.40	1.02	221	-	0.00	37.1	691	SABBIA
13.4	77.8	1.7	2.2	-	2.02	1.42	1.04	233	-	0.00	34.4	-	LIMO-ARG.S
13.6	56.8	4.1	7.3	-	1.94	1.44	1.06	126	12.5	3.02	0.0	-	ARG. ORG.



Ambito 2

Ambito 3

Ambito 1

CPT 15

CPT 13

CPT 11

CPT 12

CPT 10

CPT 4

CPT 7

CPT 8

CPT 1

CPT 5

CPT 2

CPT 6

PzS3

CPT 9

CPT 3

CPT 18

CPT 7

PzS1

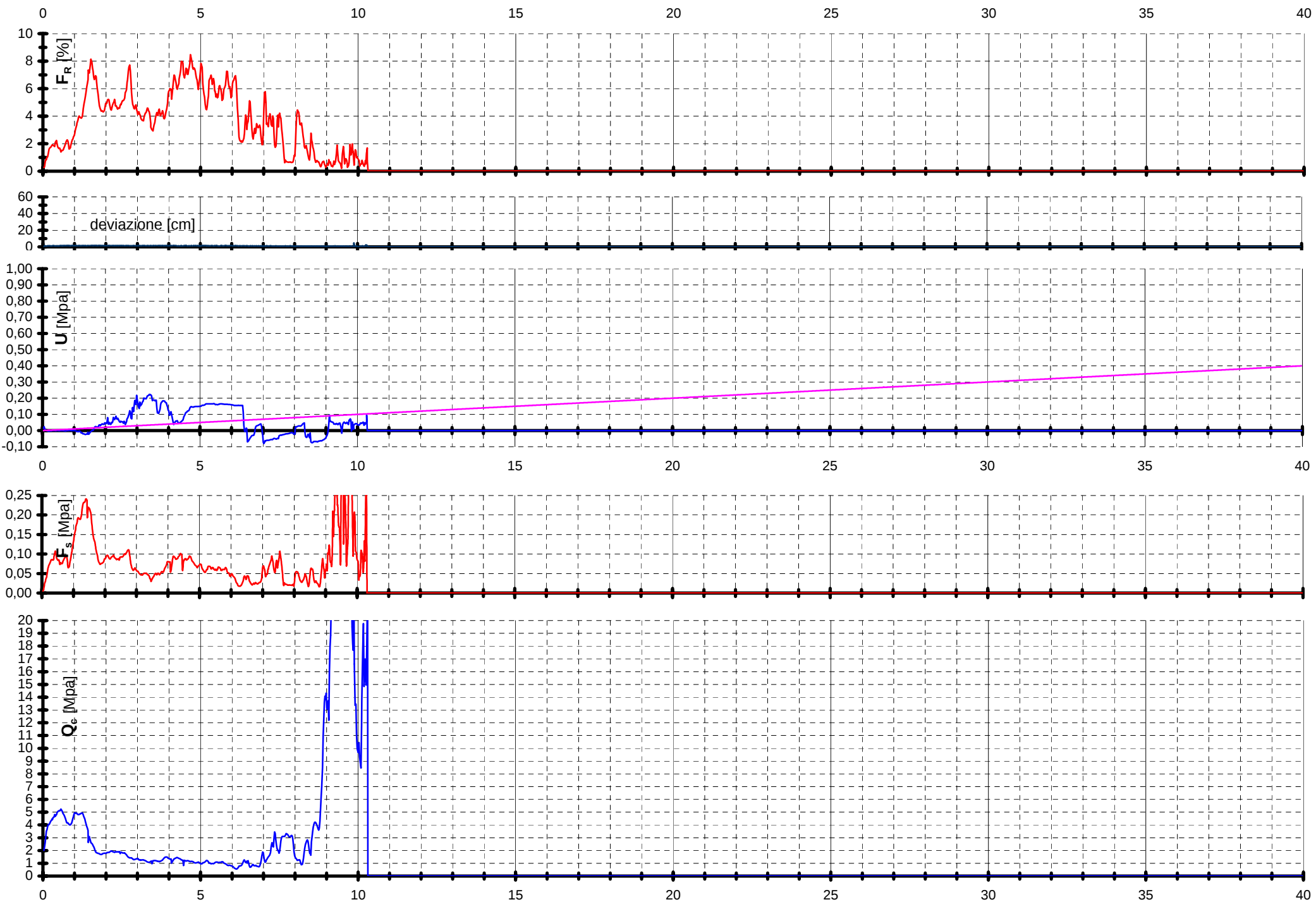
CPT 19

cptu 505

CTR: 181070

08/08/2000

Falda non segnalata

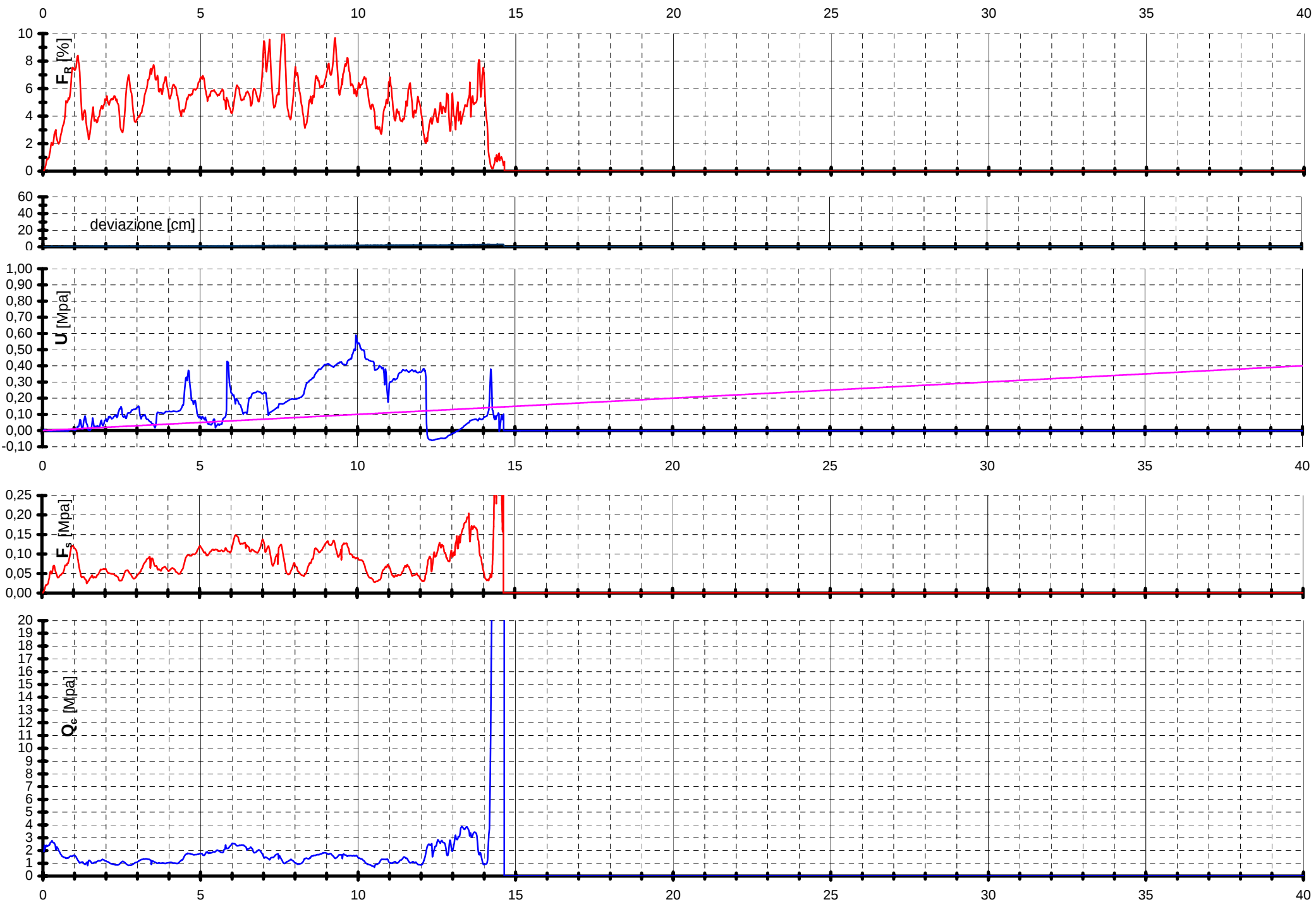


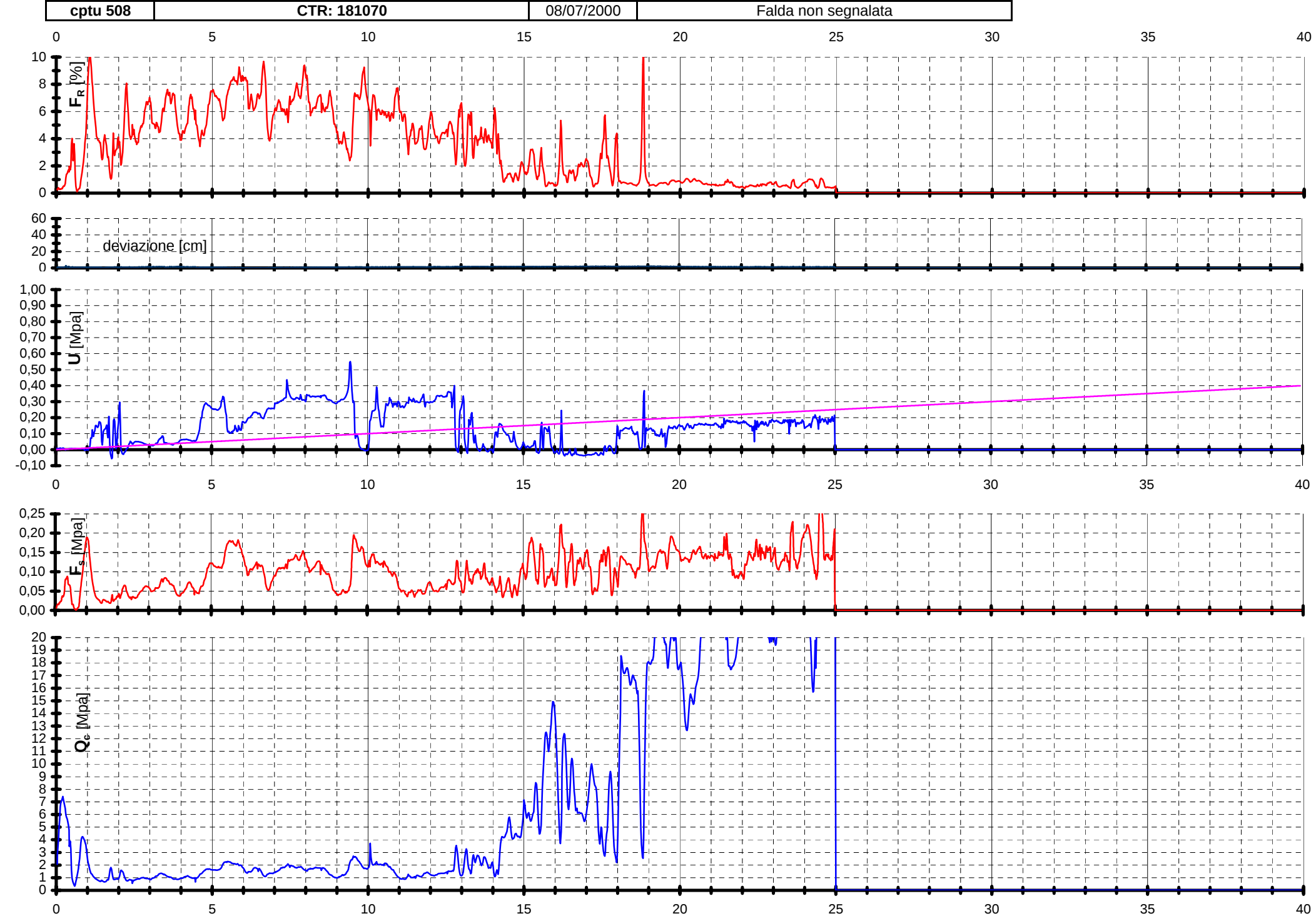
cptu 507

CTR: 181070

08/09/2000

Falda non segnalata







PROTEZIONE CIVILE
Presidenza del Consiglio dei Ministri
Dipartimento della Protezione Civile



Regione Emilia-Romagna



CONFERENZA DELLE REGIONI E
DELLE PROVINCE AUTONOME

Attuazione dell'articolo 11 della legge 24 giugno 2009, n. 77

MICROZONAZIONE SISMICA

Elaborato 7

Prove CPTU

Regione Emilia-Romagna

Comune di San Secondo



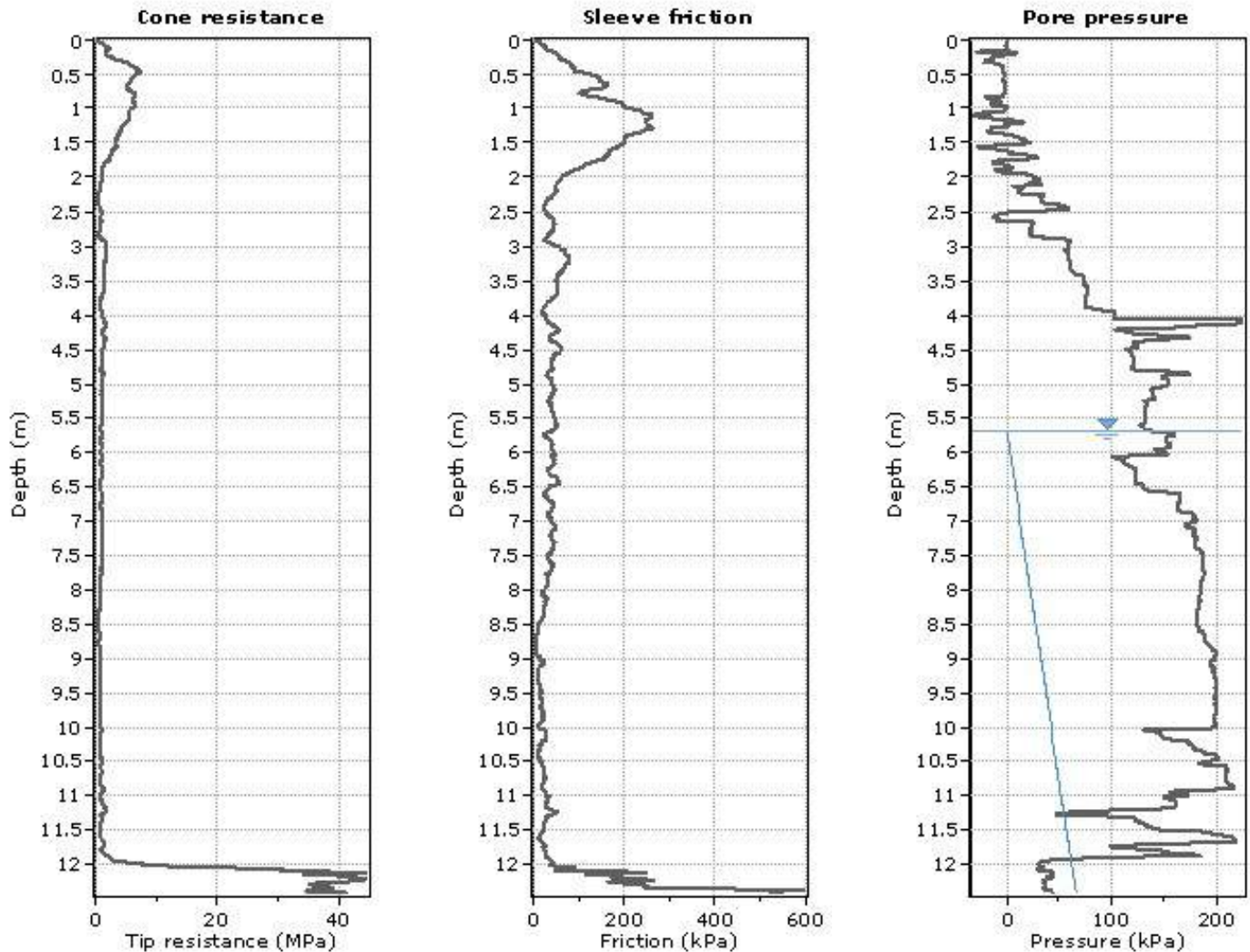
Regione Emilia-Romagna	Soggetto realizzatore Dott. Geol. Fabio Picinotti	Data Marzo 2020
		MS3

PROVE PENETROMETRICHE STATICHE CON PUNTA ELETTRICA E PIEZOCONO - CPTU

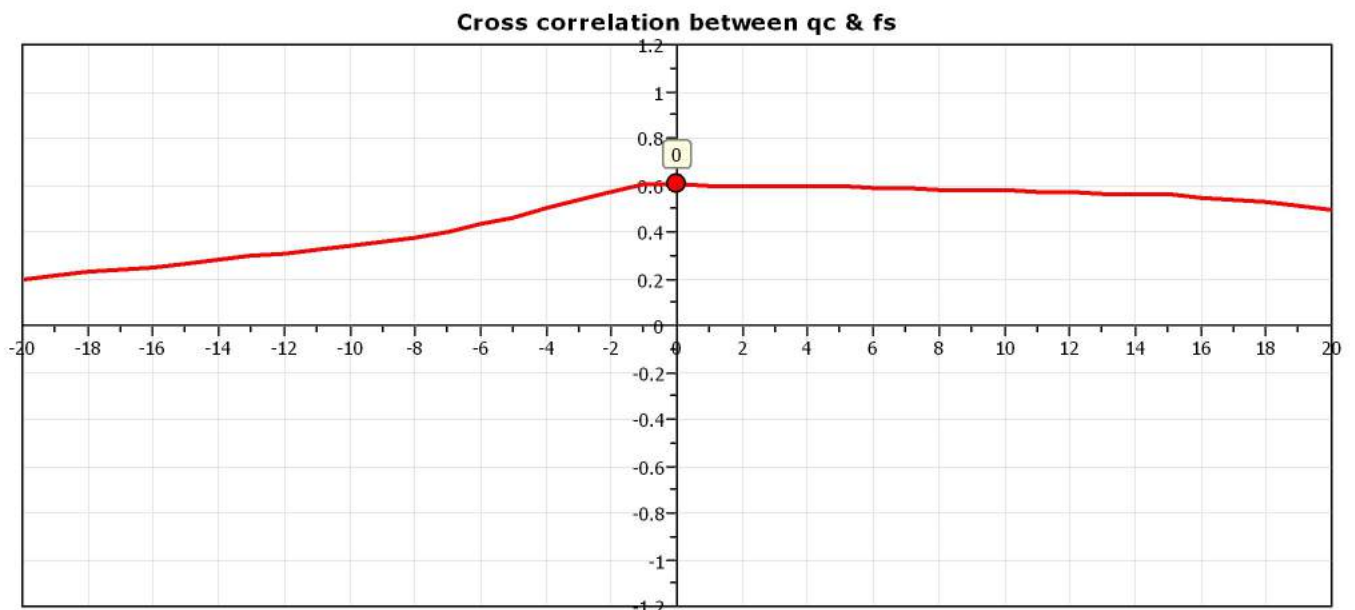
034033P194

Project:

Location:



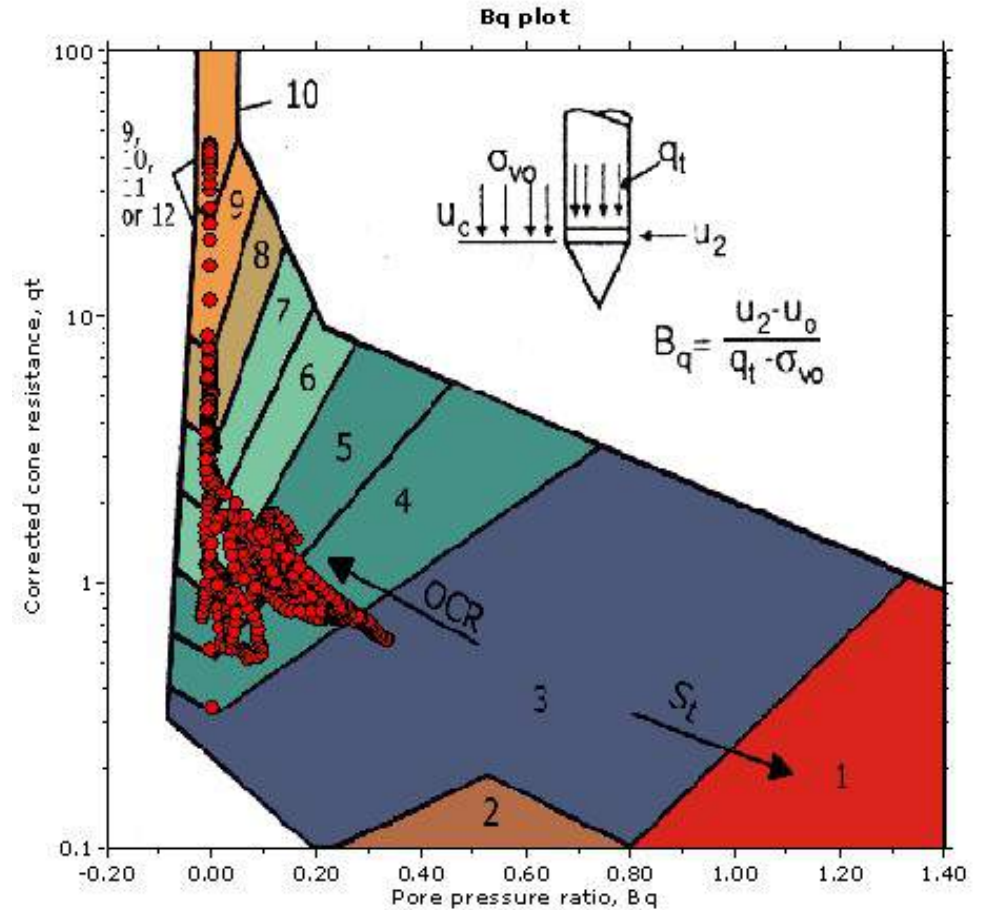
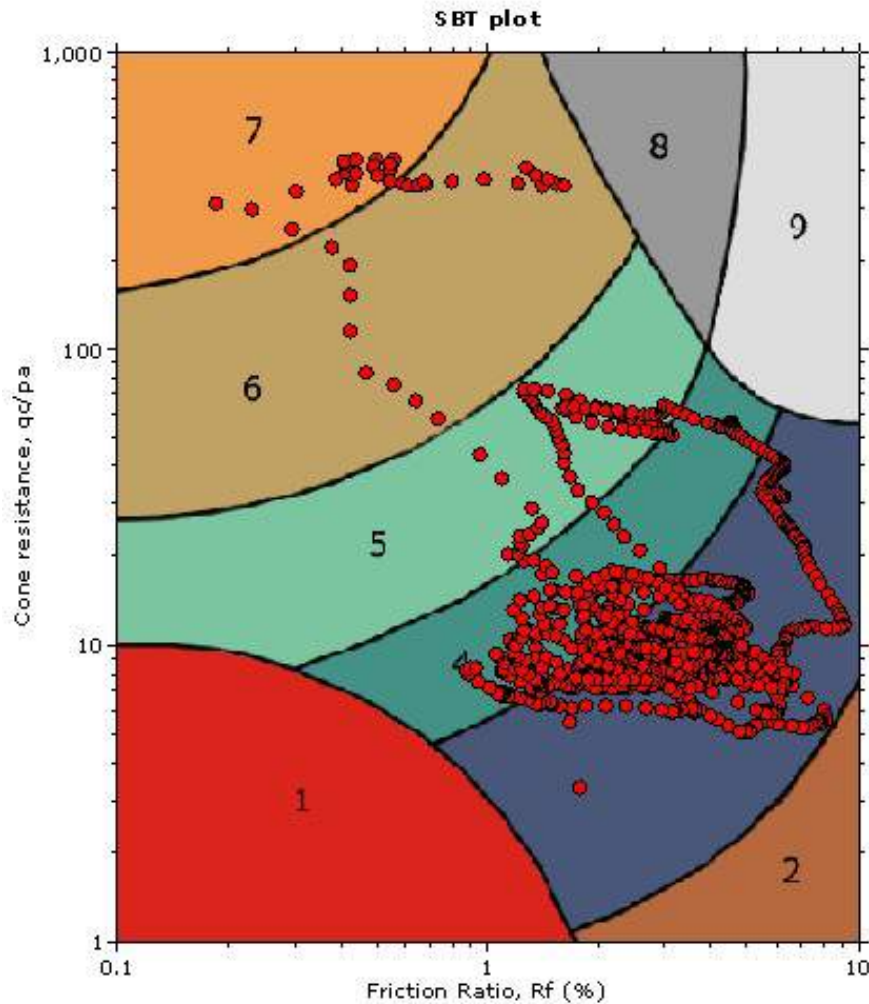
The plot below presents the cross correlation coefficient between the raw q_c and f_s values (as measured on the field). X axes presents the lag distance (one lag is the distance between two successive CPT measurements).



Project:

Location:

SBT - Bq plots



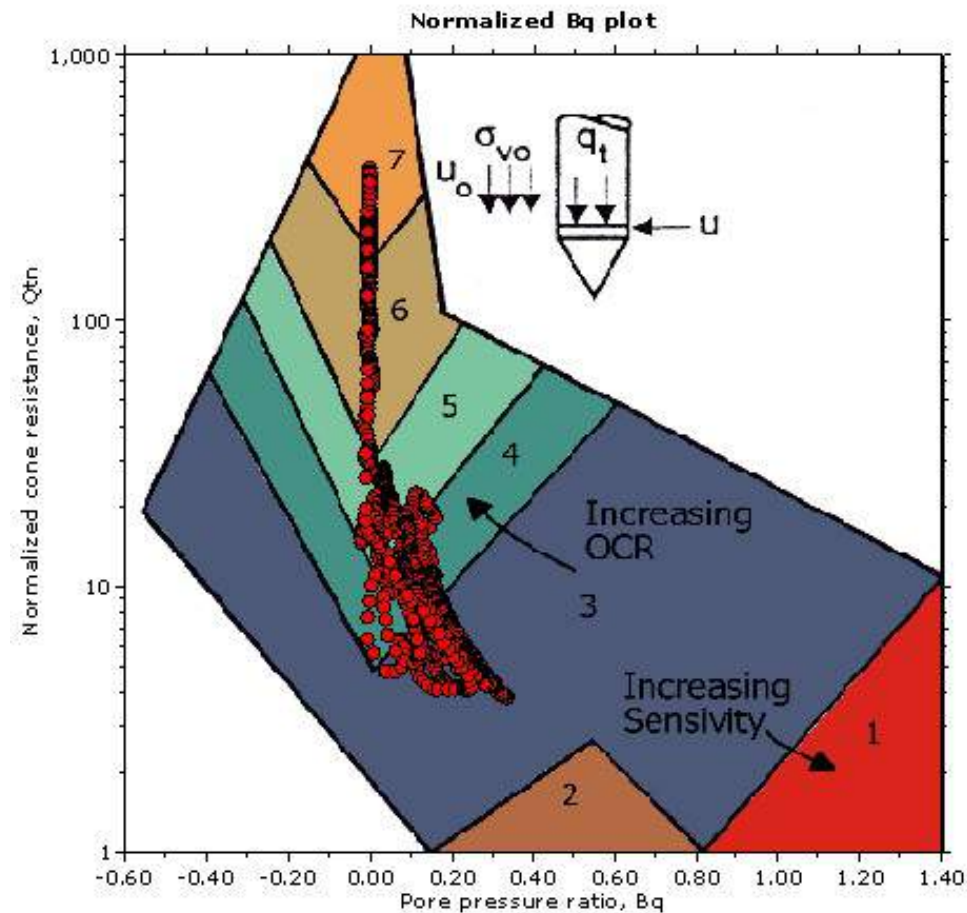
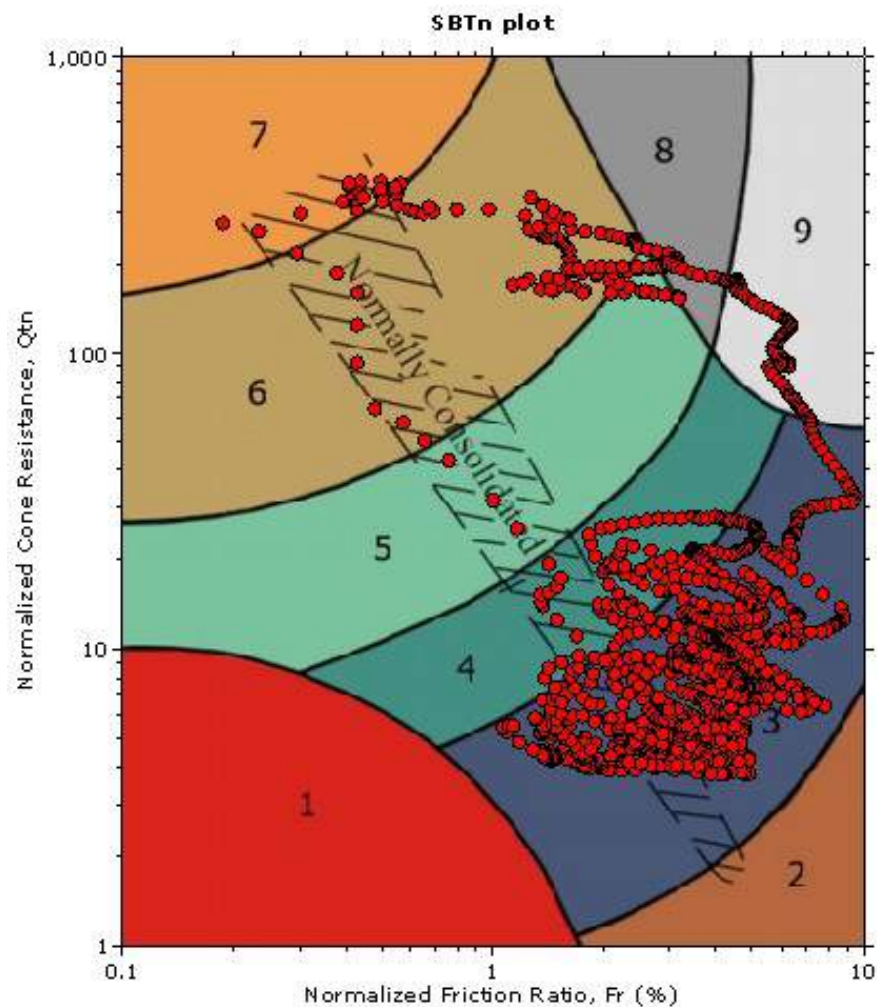
SBT legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

Project:

Location:

SBT - Bq plots (normalized)



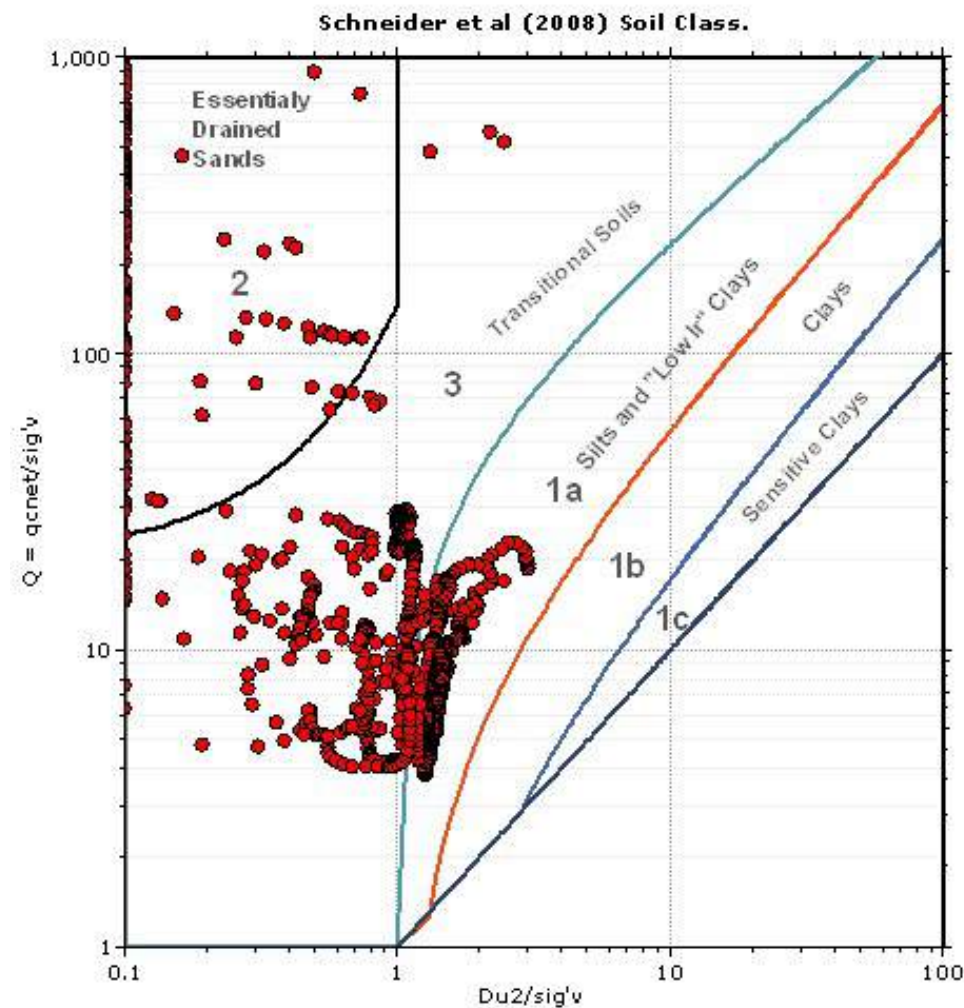
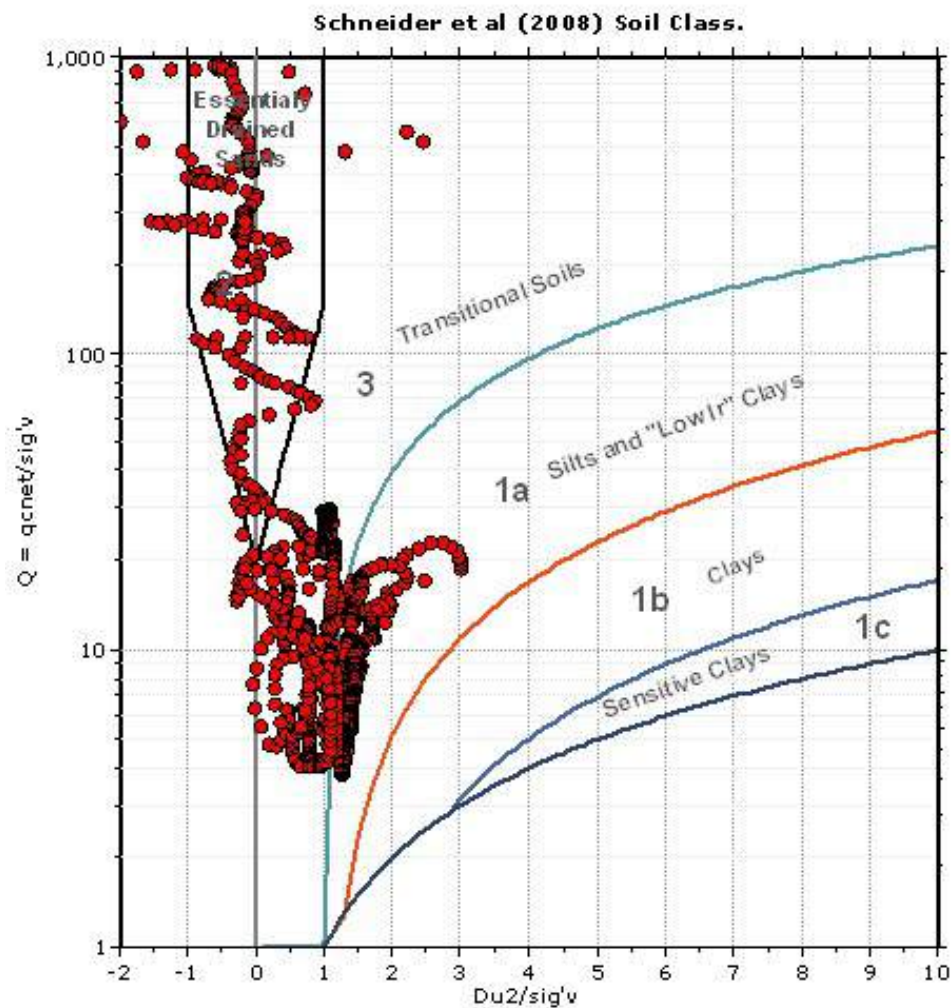
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

Project:

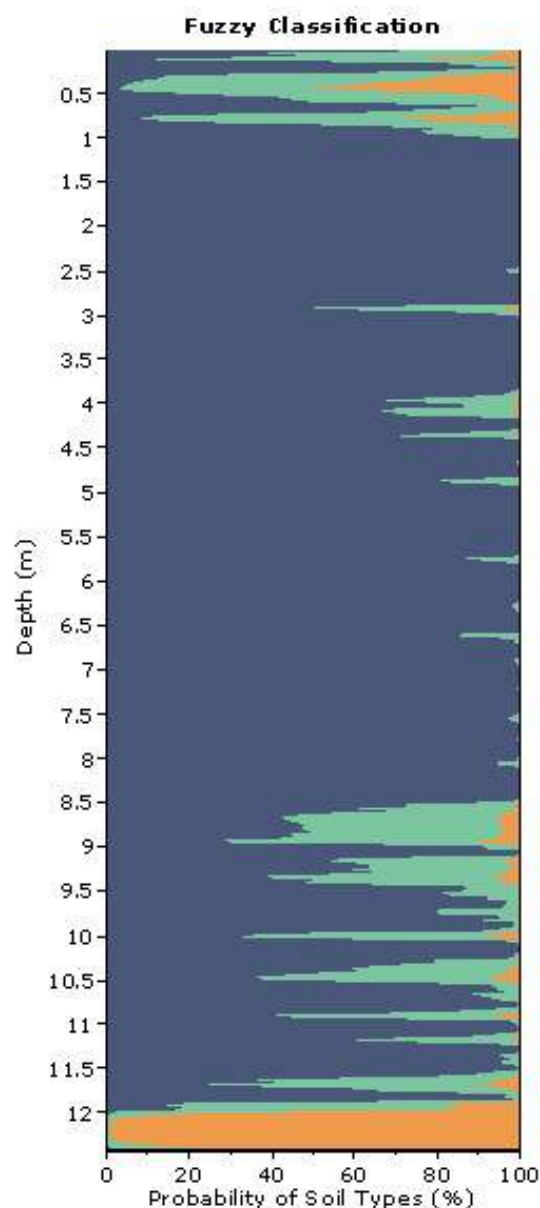
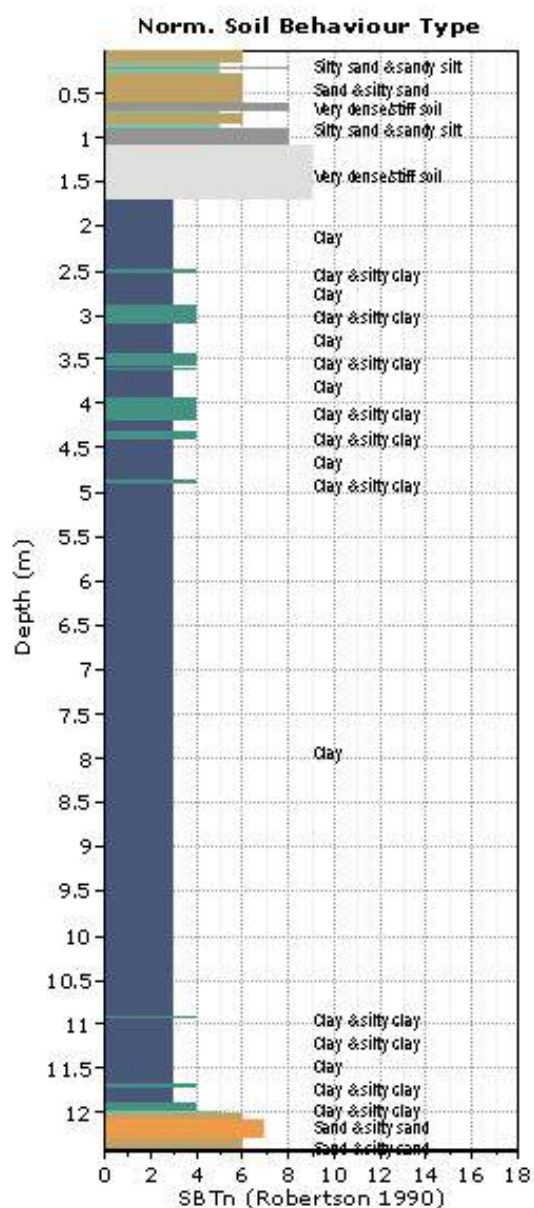
Location:

Bq plots (Schneider)



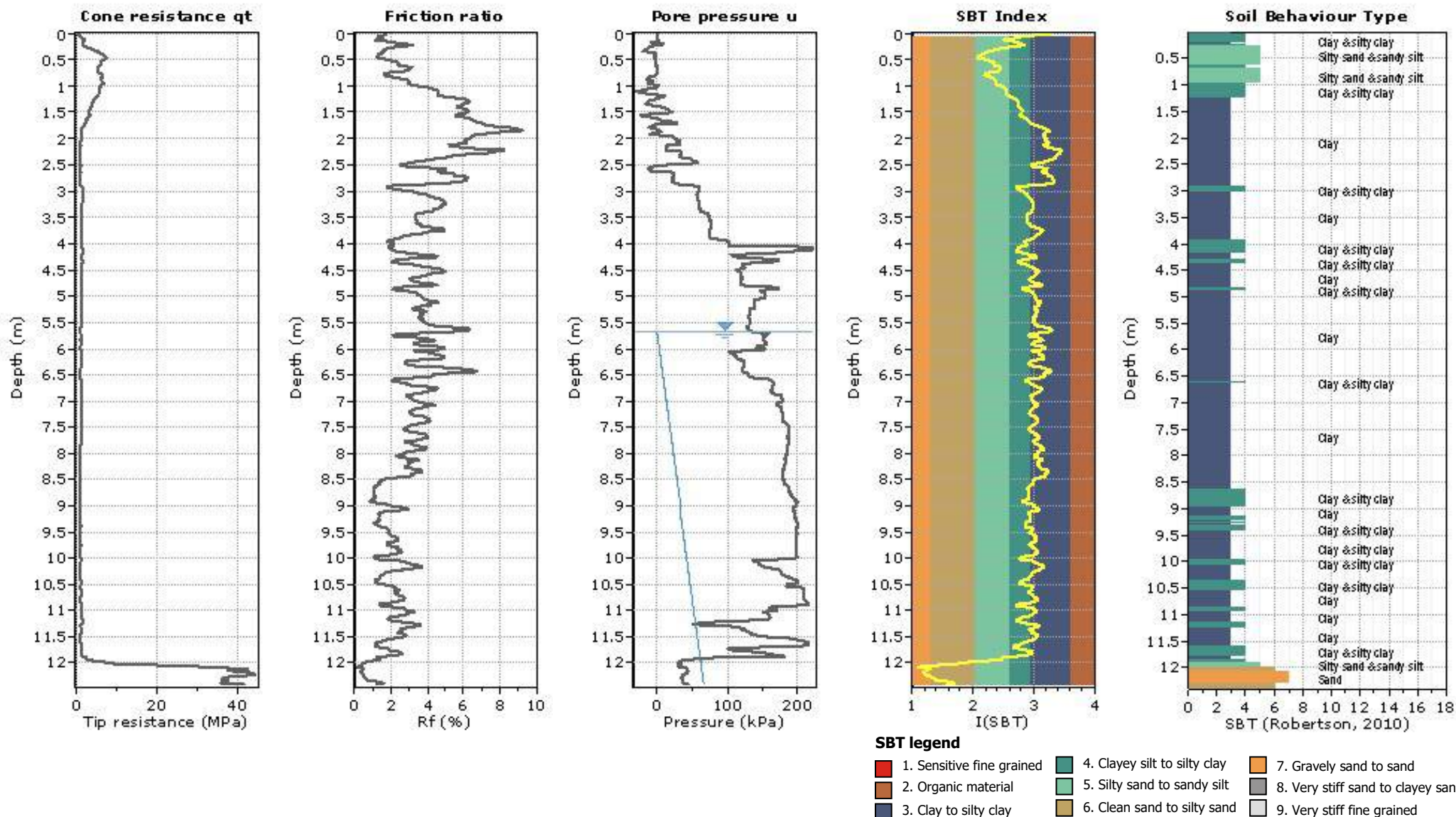
Project:

Location:



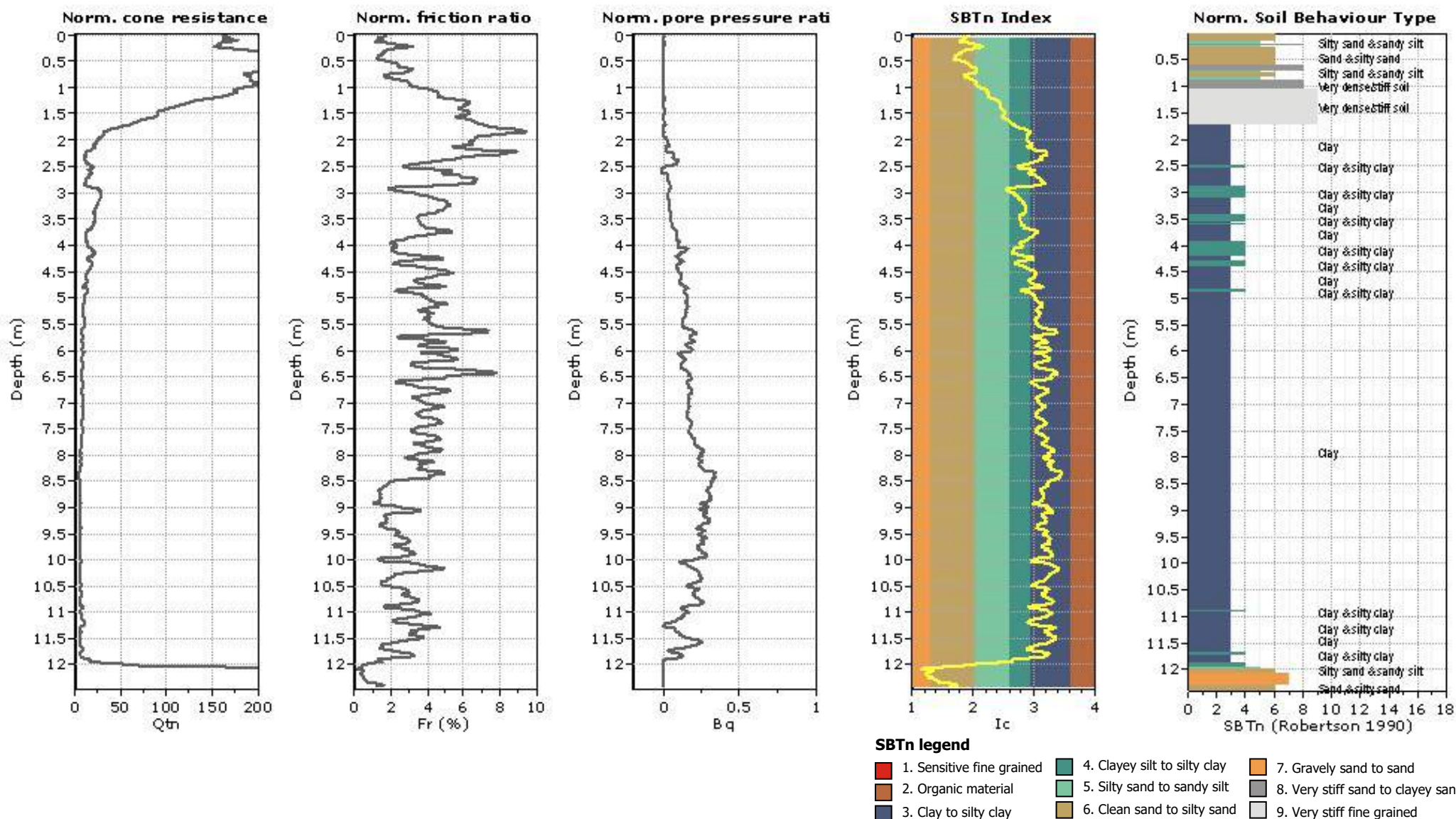
Project:

Location:



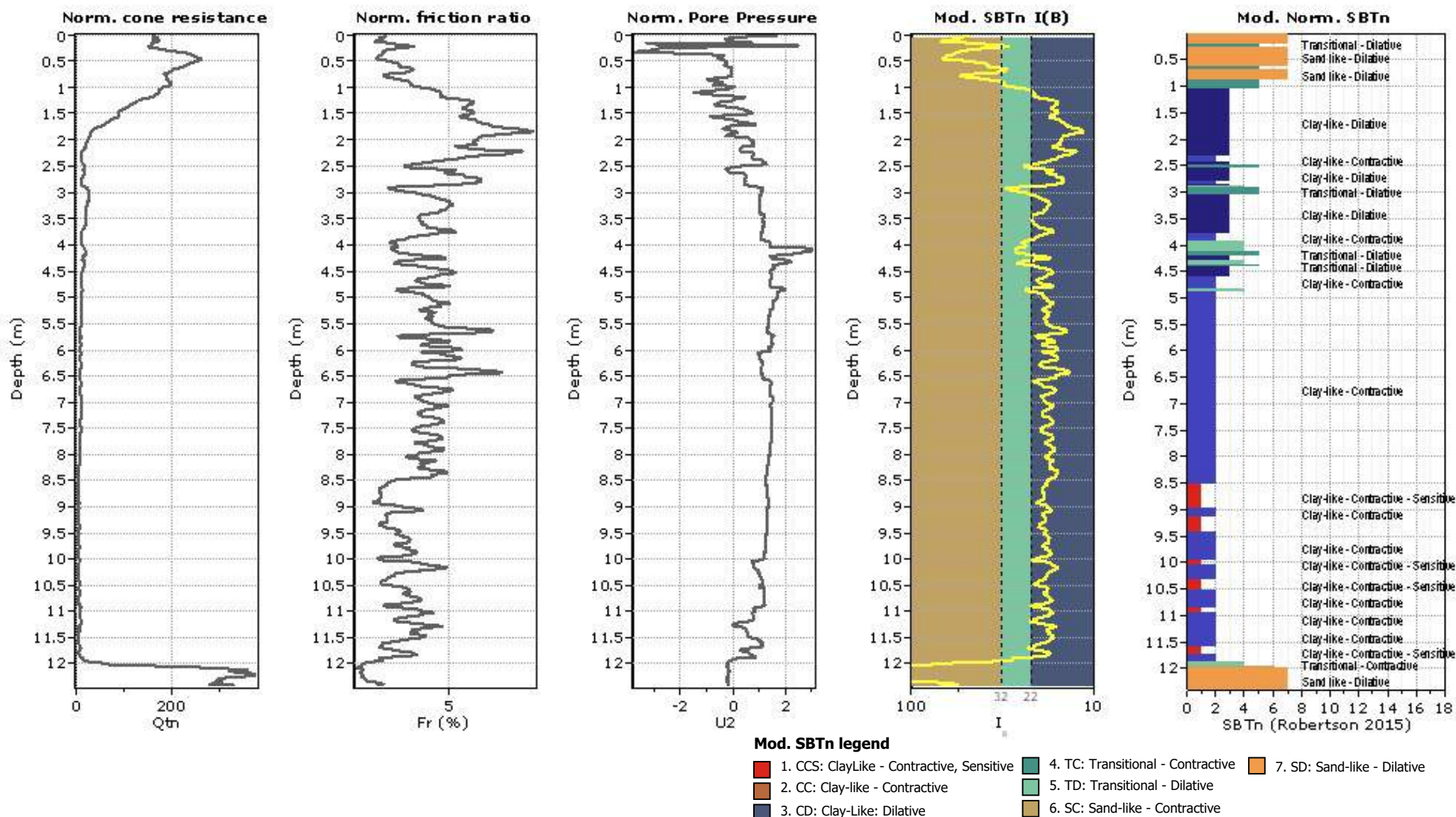
Project:

Location:



Project:

Location:



Project:

Location:

CPT: CPT-01

Total depth: 12.42 m, Date: 06/10/2019

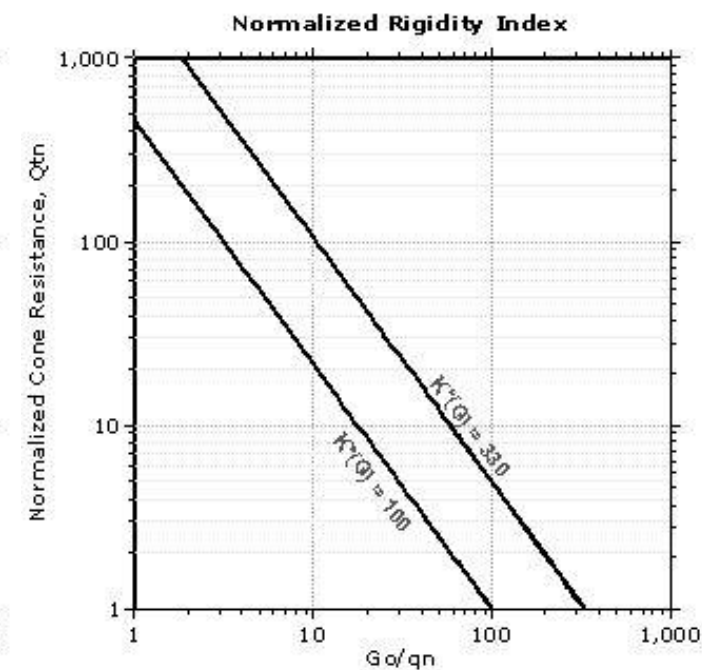
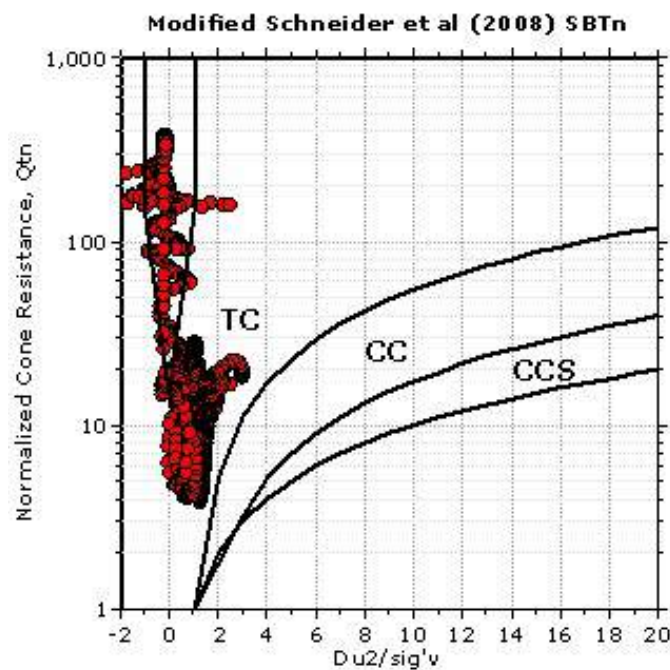
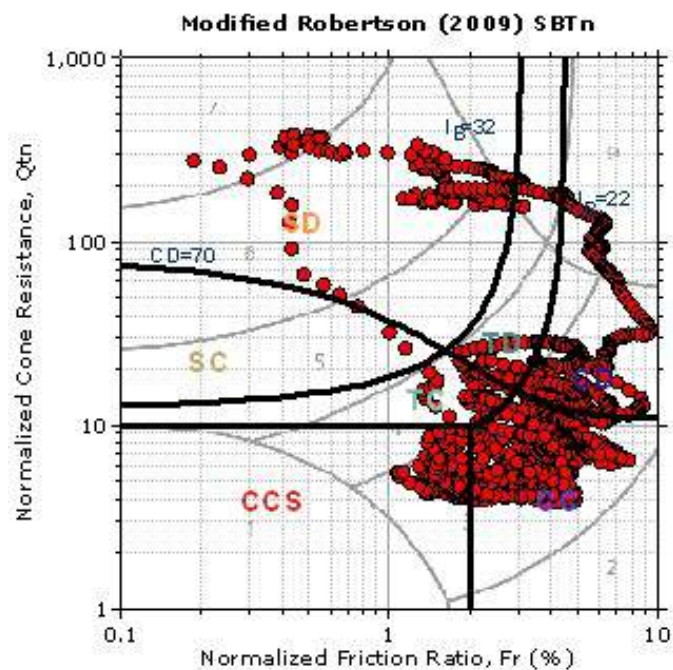
Surface Elevation: 0.00 m

Coords: X:0.00, Y:0.00

Cone Type: Unknown

Cone Operator: Unknown

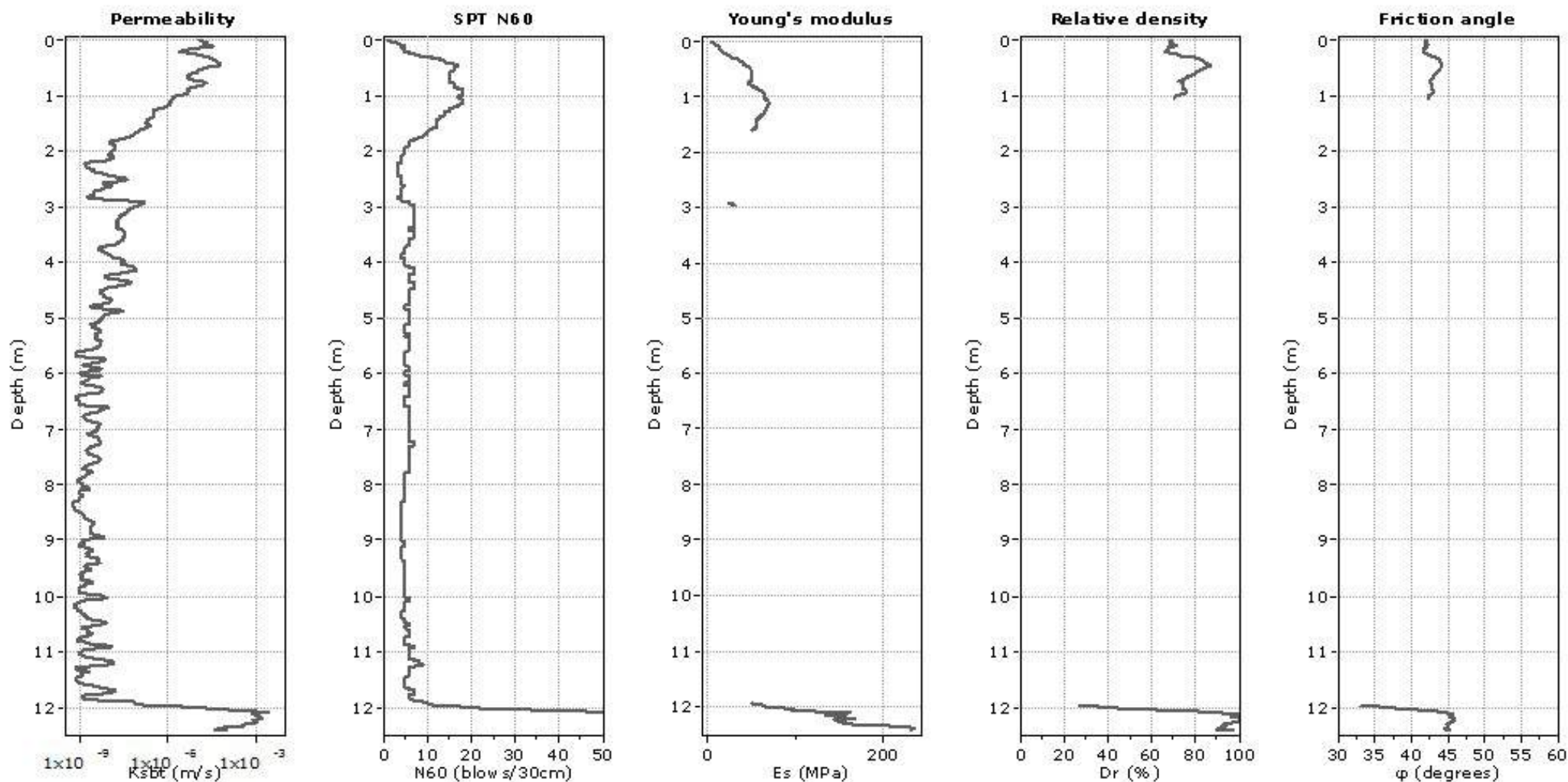
Updated SBTn plots



CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

Project:

Location:



Calculation parameters

Permeability: Based on SBT_n

SPT N_{60} : Based on I_c and q_t

Young's modulus: Based on variable alpha using I_c (Robertson, 2009)

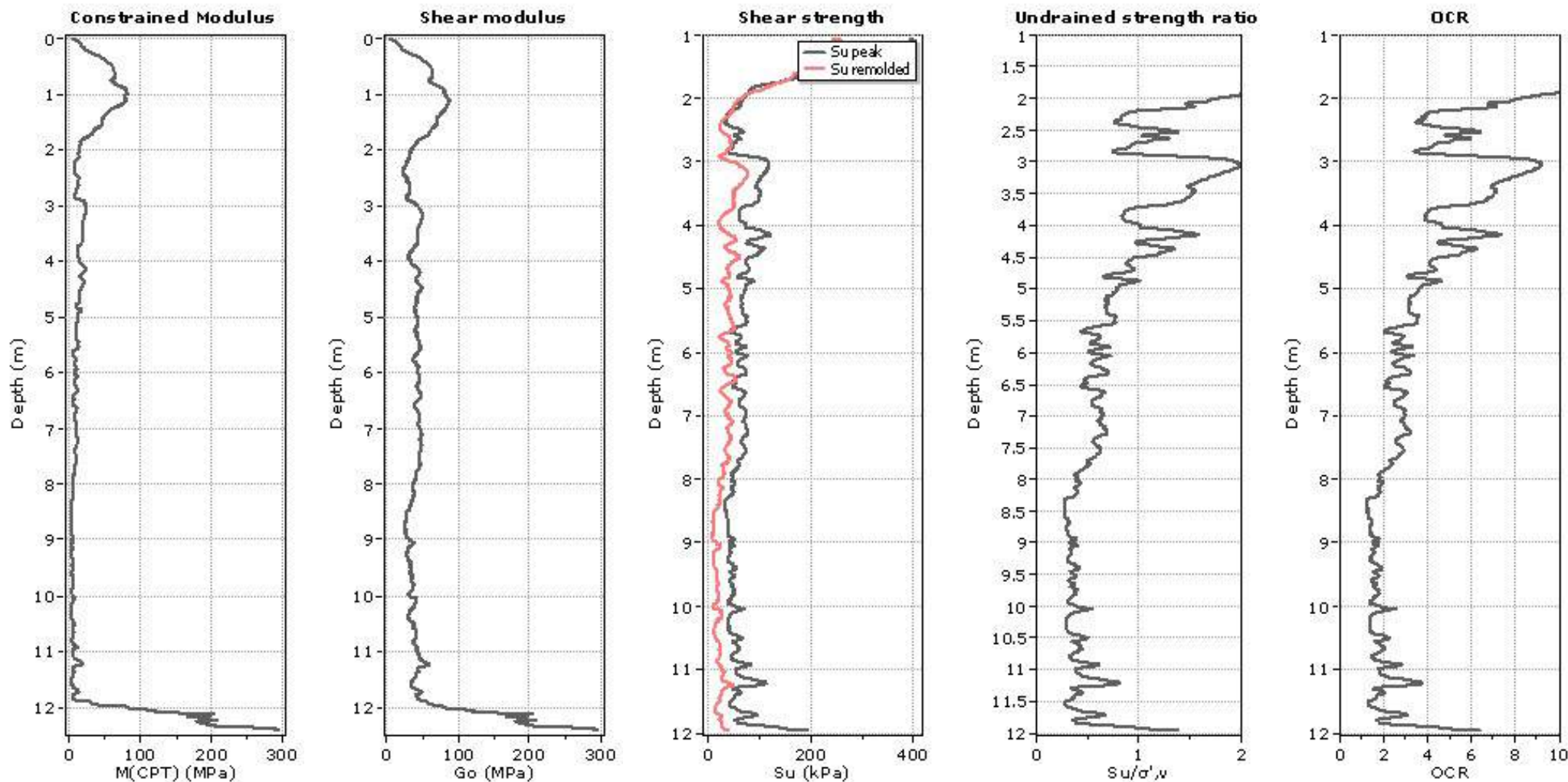
Relative density constant, C_{Dr} : 350.0

Phi: Based on Kulhavy & Mayne (1990)

—●— User defined estimation data

Project:

Location:



Calculation parameters

Constrained modulus: Based on variable α using I_c and Q_{tm} (Robertson, 2009)

Go: Based on variable α using I_c (Robertson, 2009)

Undrained shear strength cone factor for clays, N_{kt} : 14

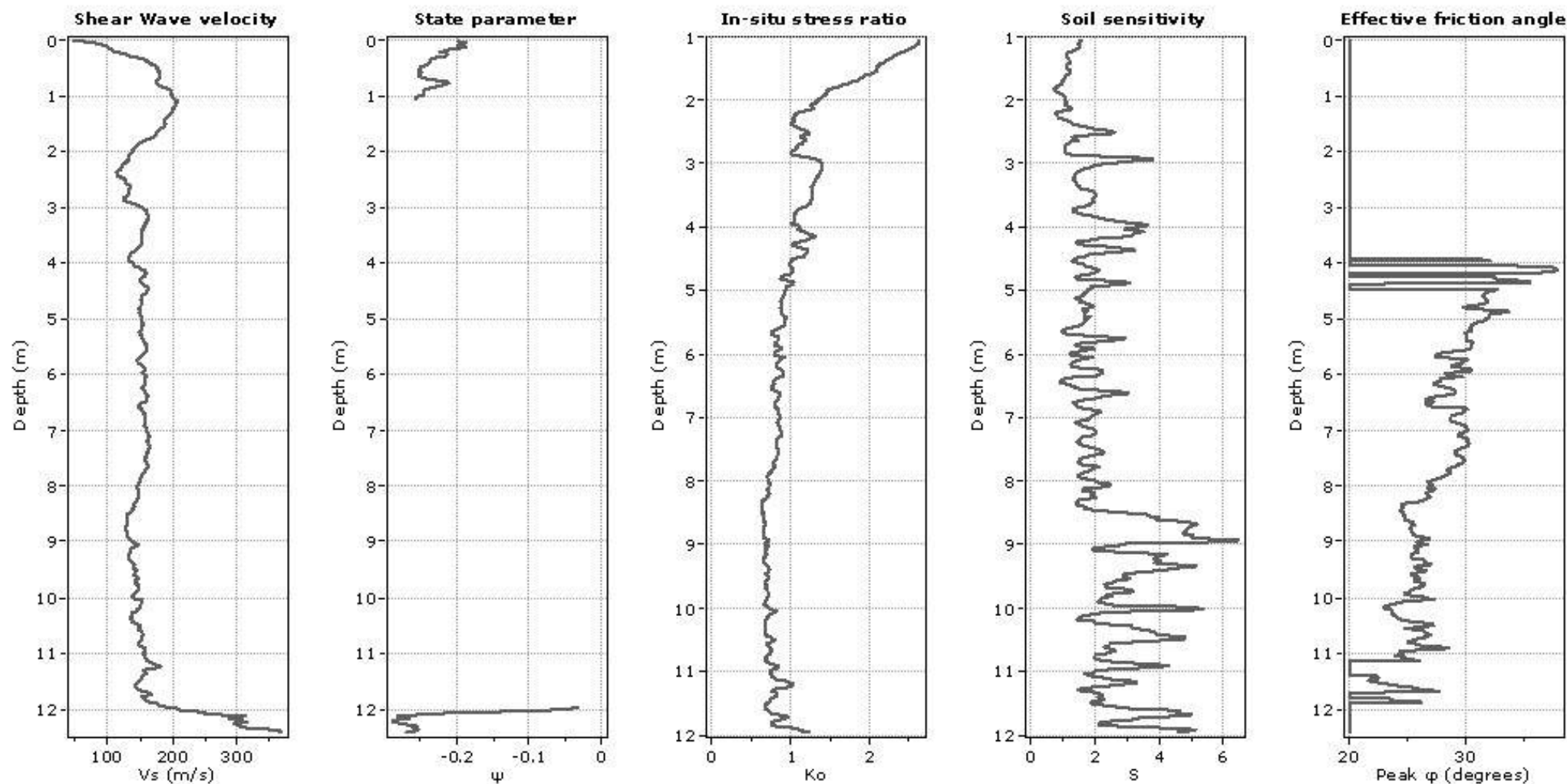
OCR factor for clays, N_{kt} : 0.33

—●— User defined estimation data

—●— Flat Dilatometer Test data

Project:

Location:



Calculation parameters

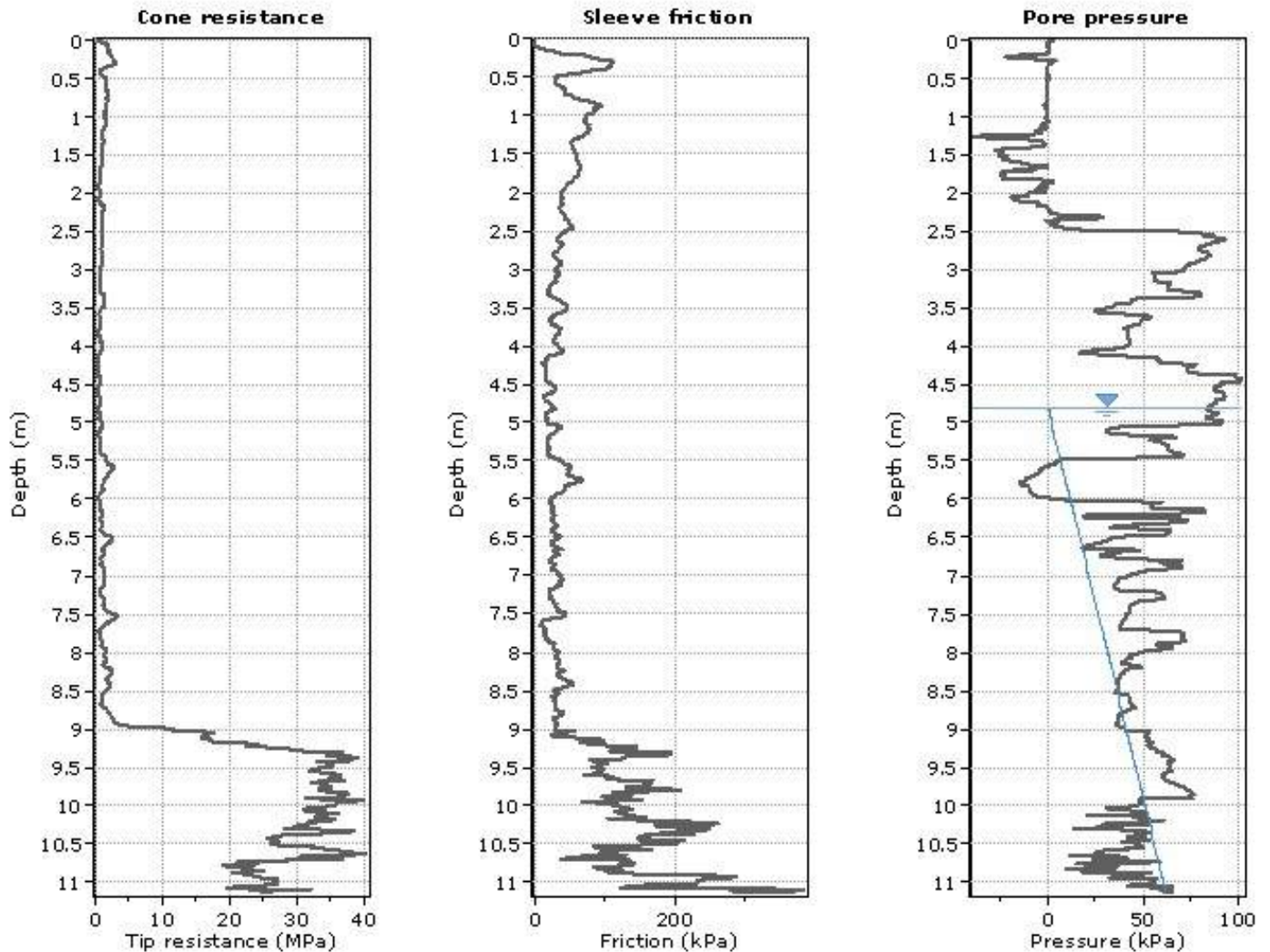
Soil Sensitivity factor, N_s : 7.00

—●— User defined estimation data

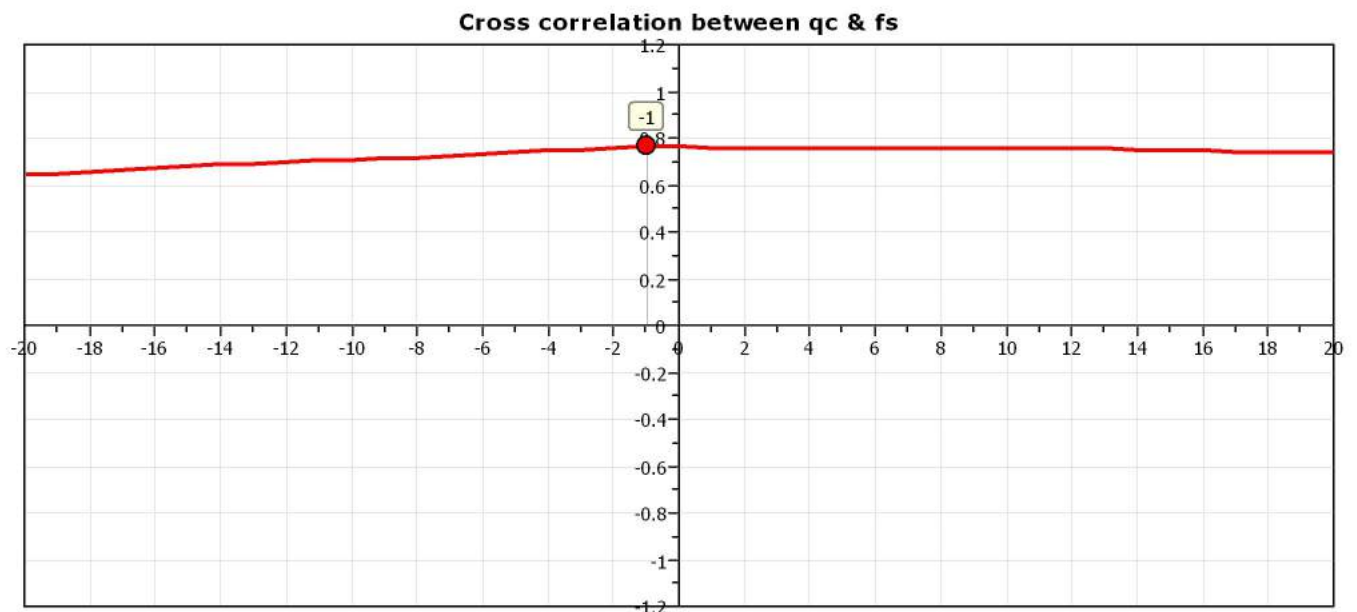
034033P195

Project:

Location:



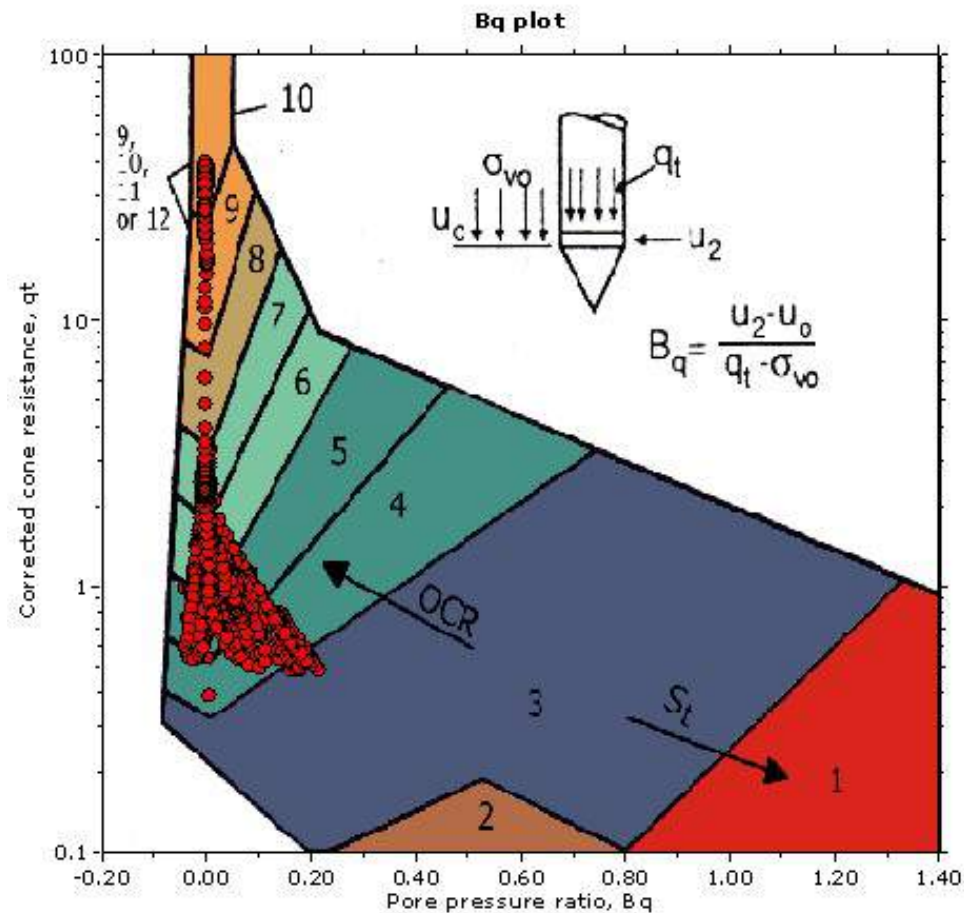
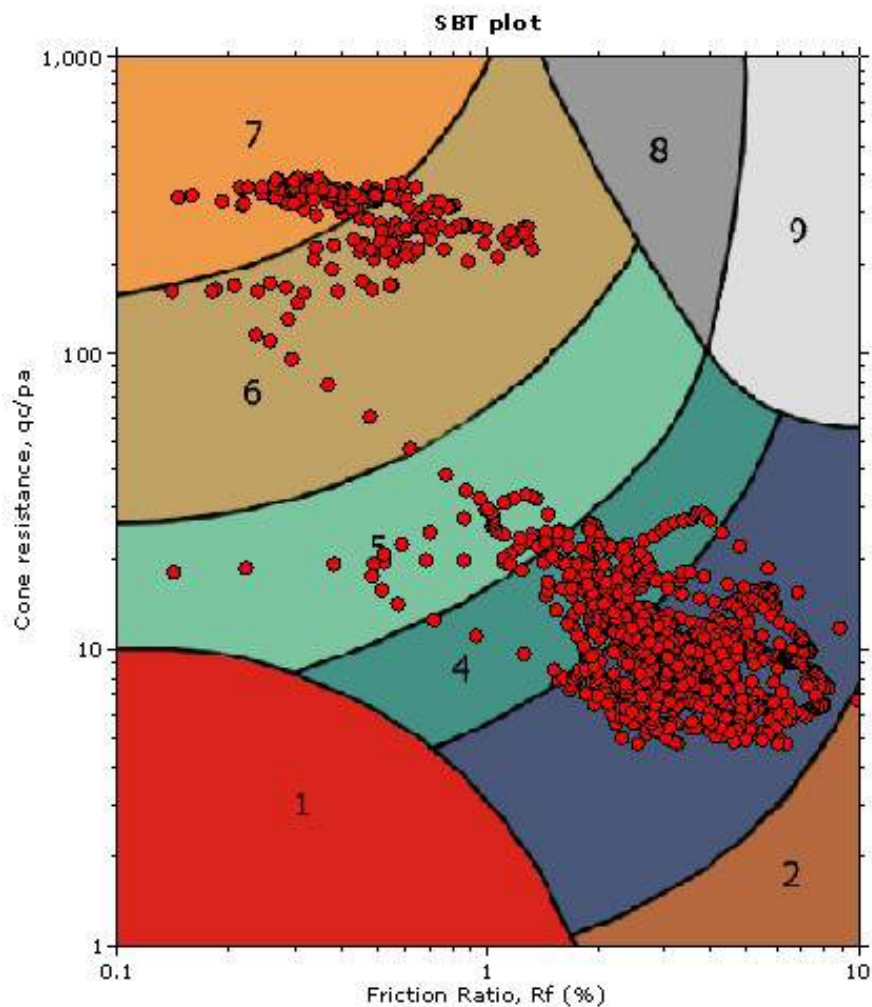
The plot below presents the cross correlation coefficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two successive CPT measurements).



Project:

Location:

SBT - Bq plots



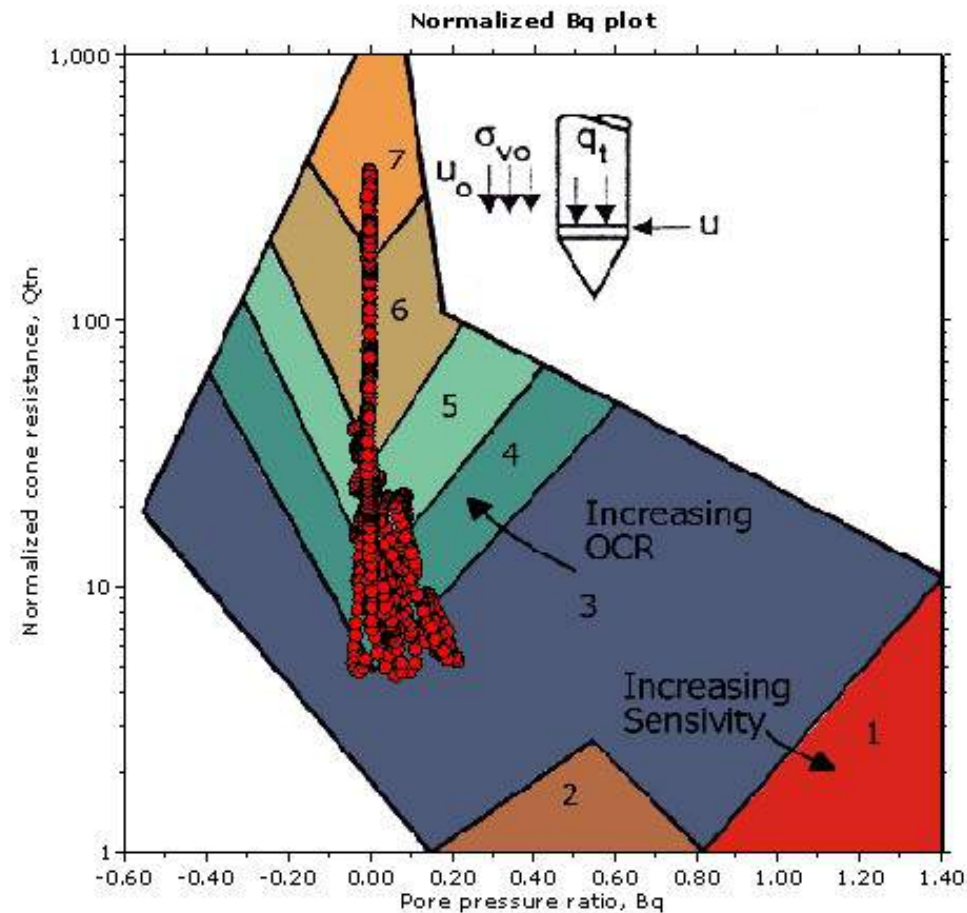
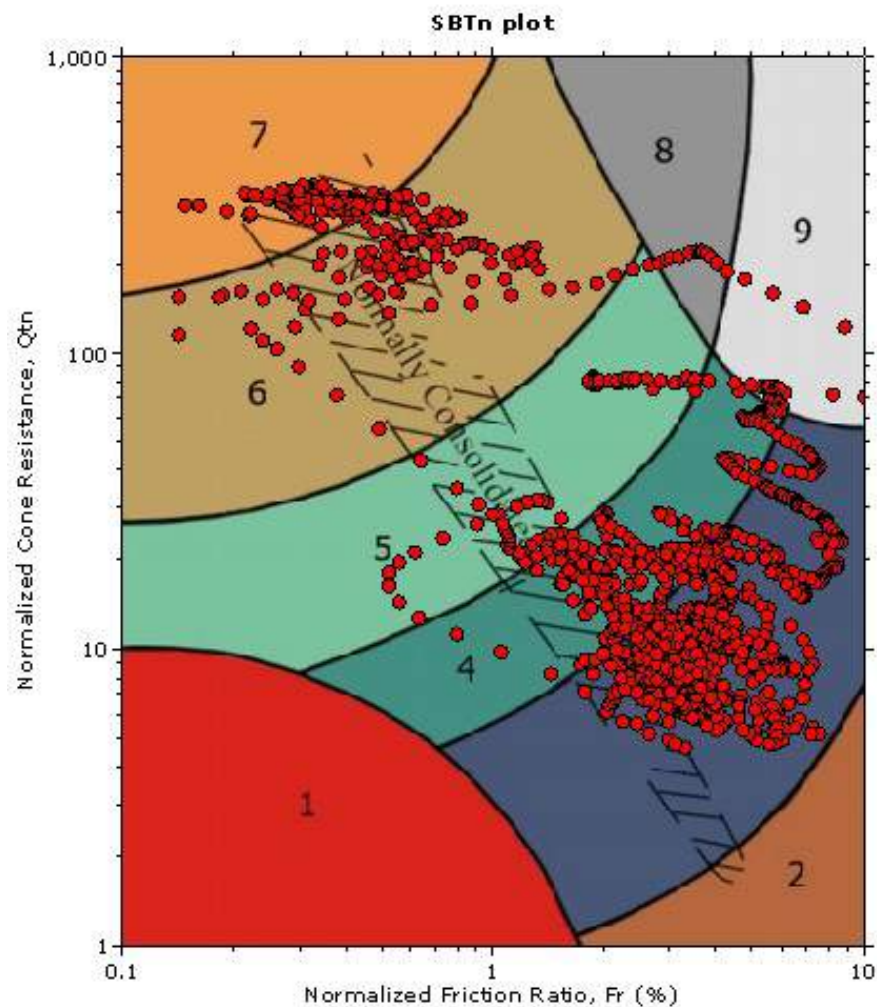
SBT legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

Project:

Location:

SBT - Bq plots (normalized)



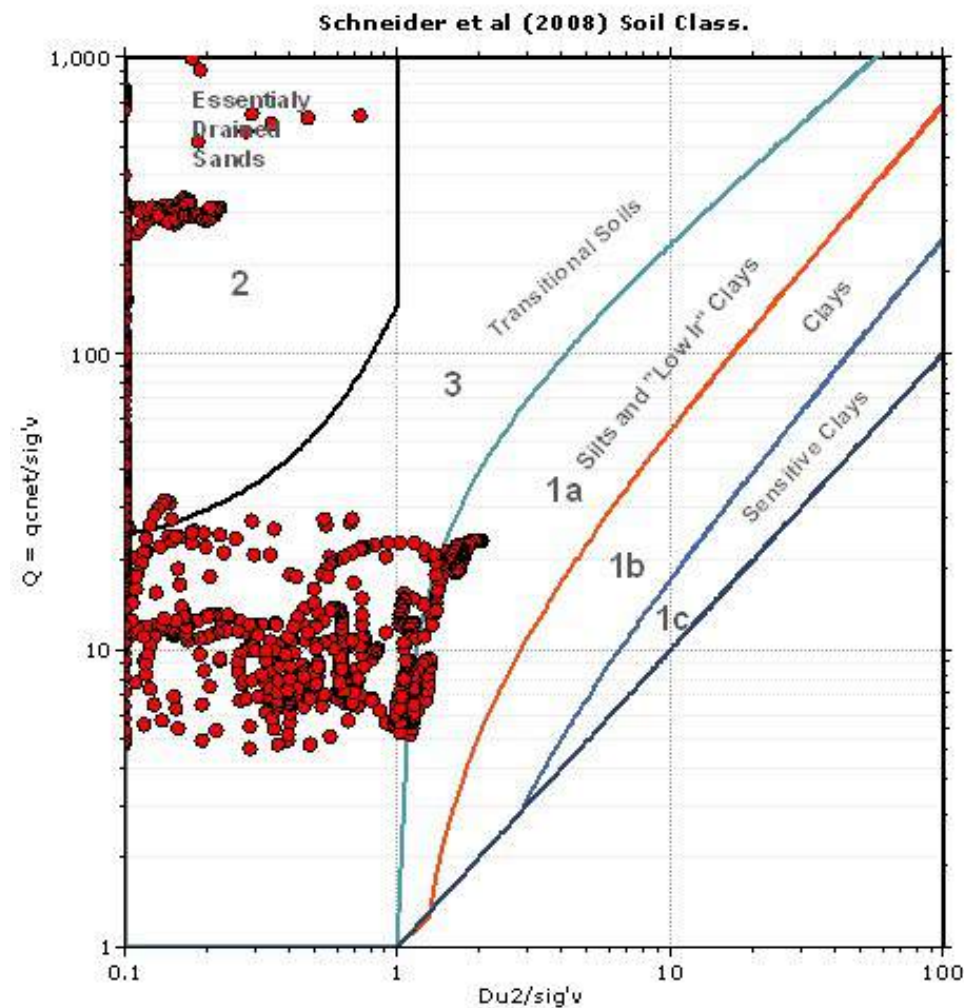
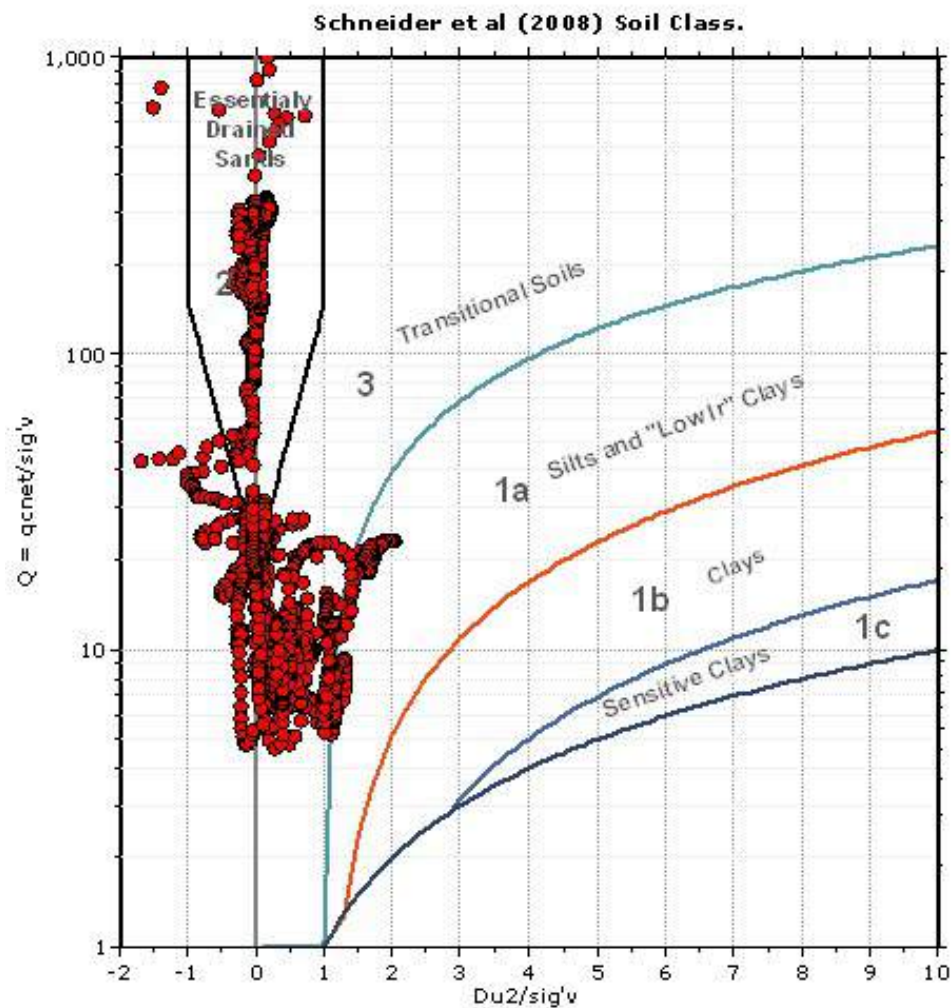
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

Project:

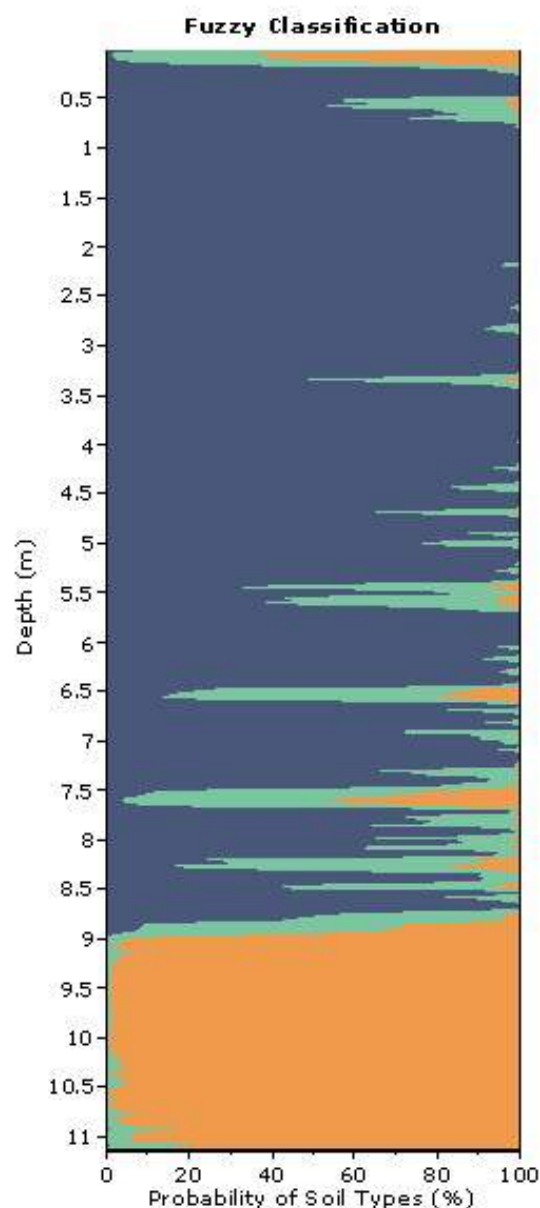
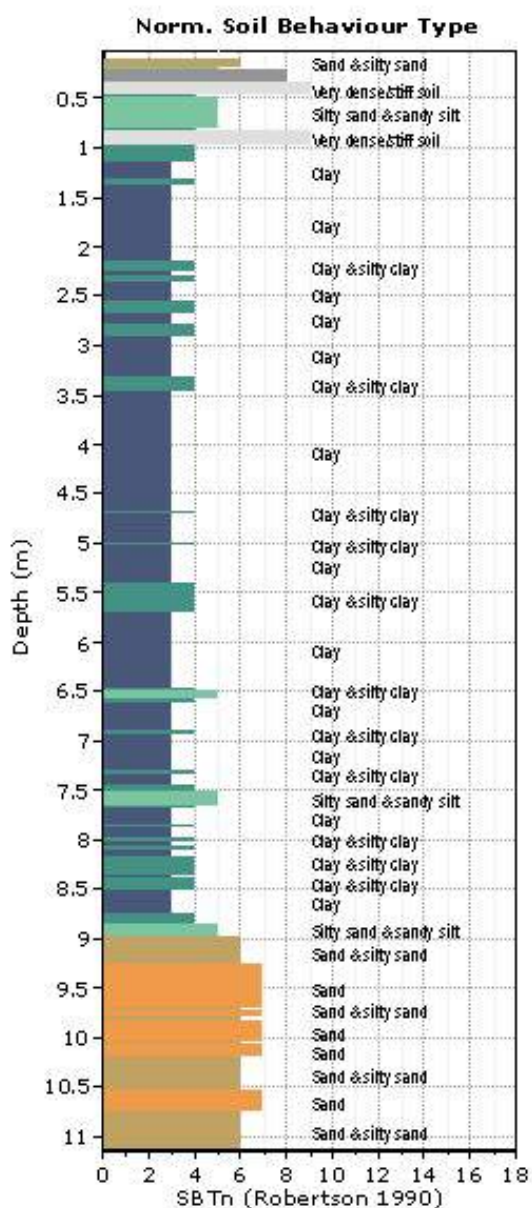
Location:

Bq plots (Schneider)



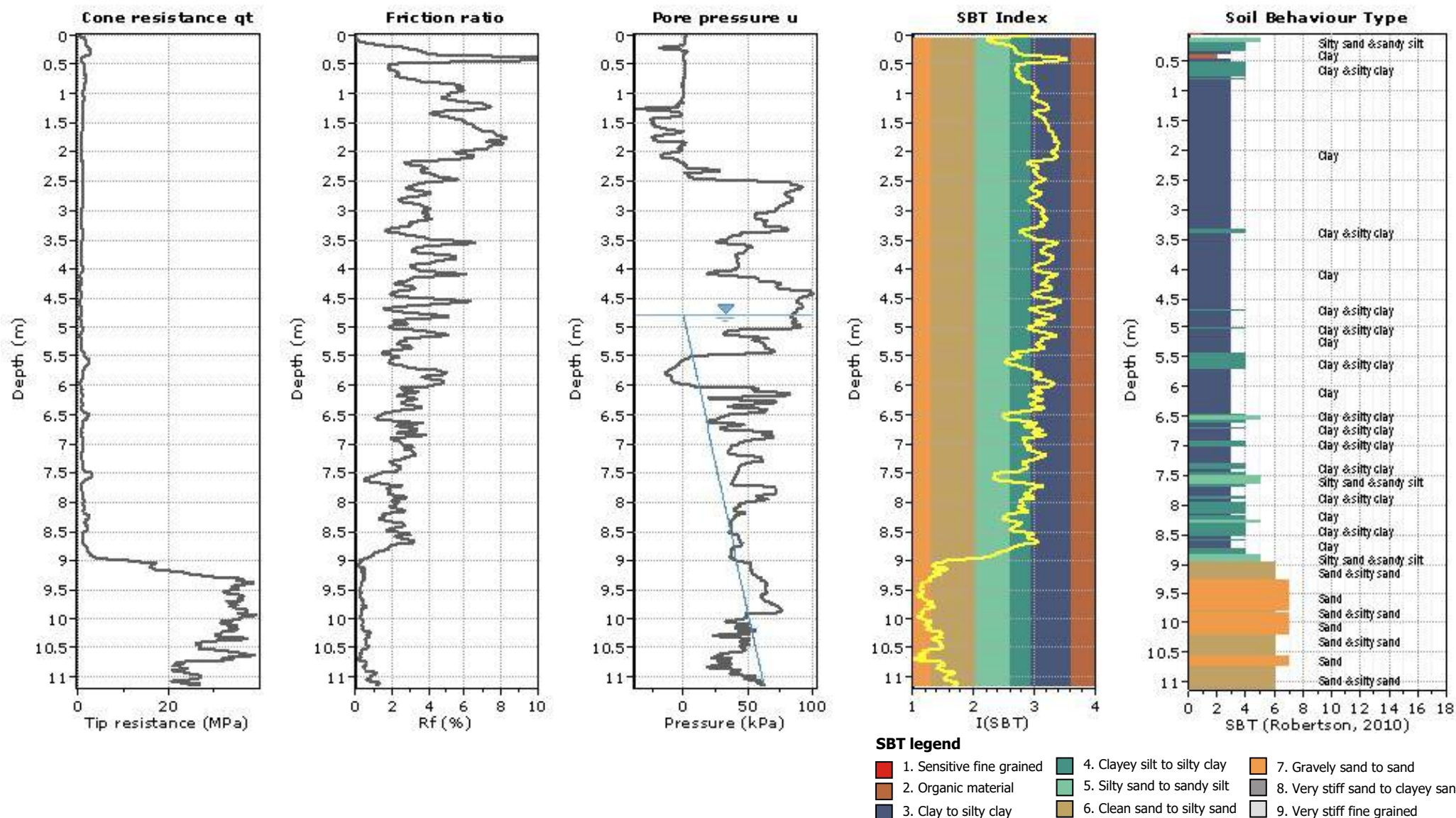
Project:

Location:



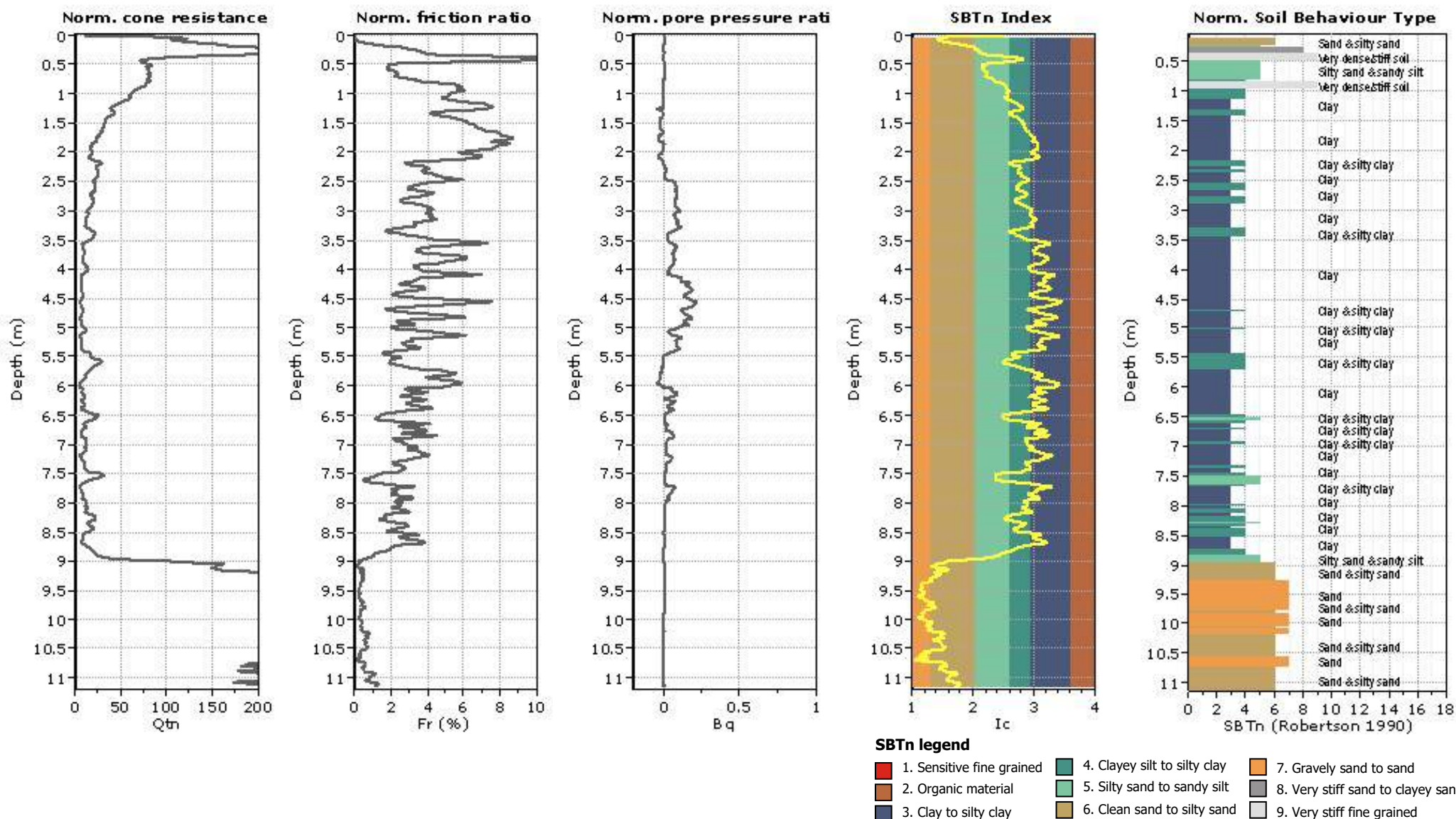
Project:

Location:



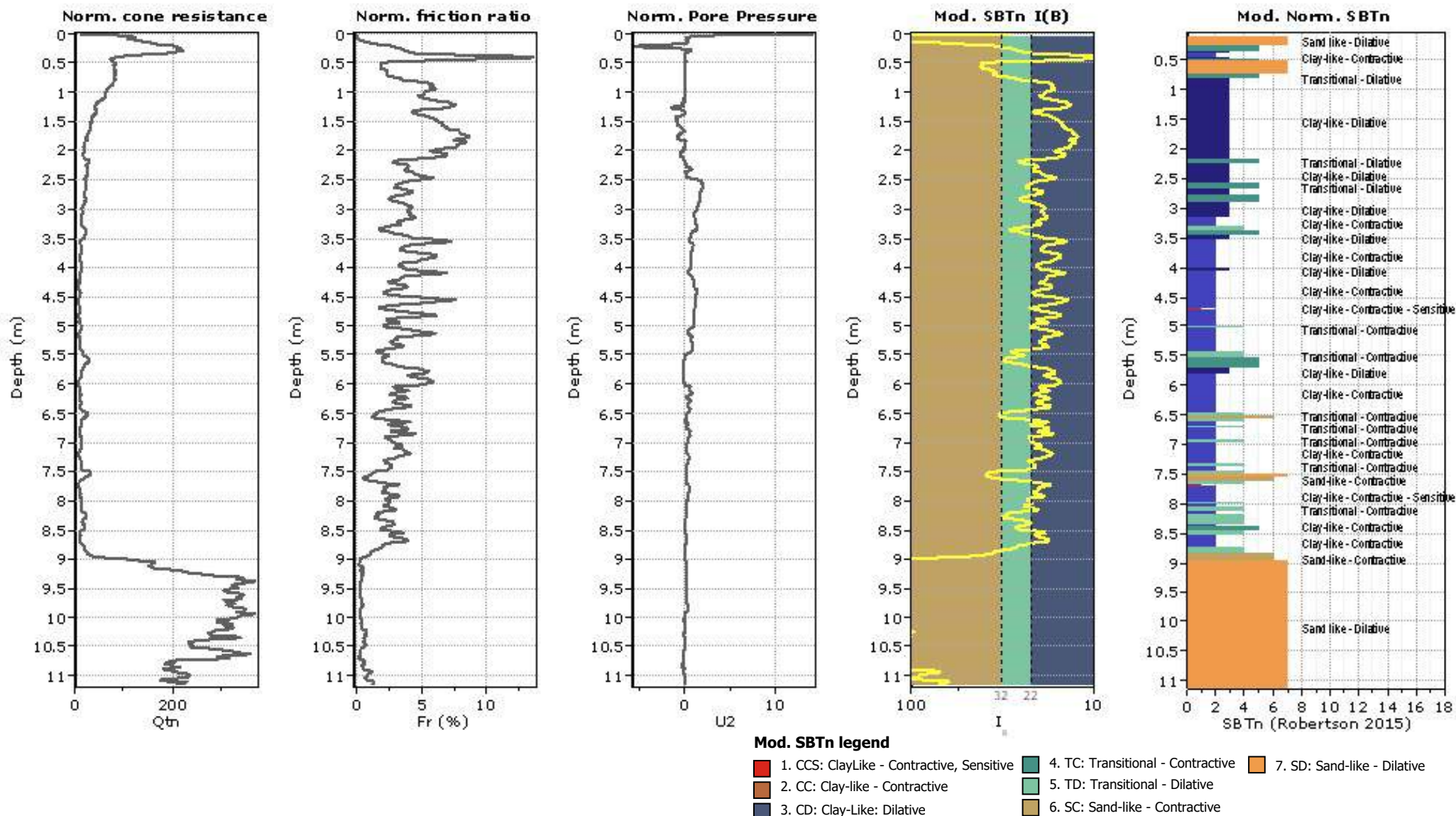
Project:

Location:



Project:

Location:



Project:

Location:

CPT: CPT-02

Total depth: 11.14 m, Date: 06/10/2019

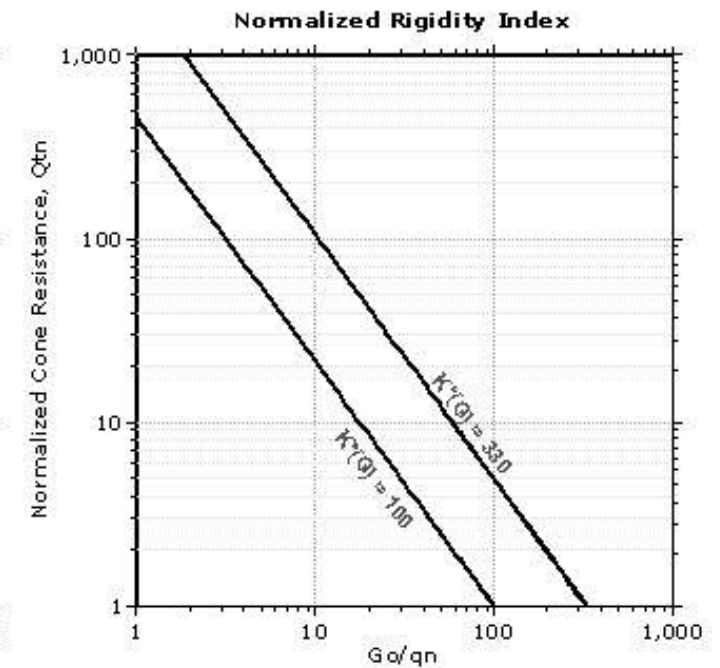
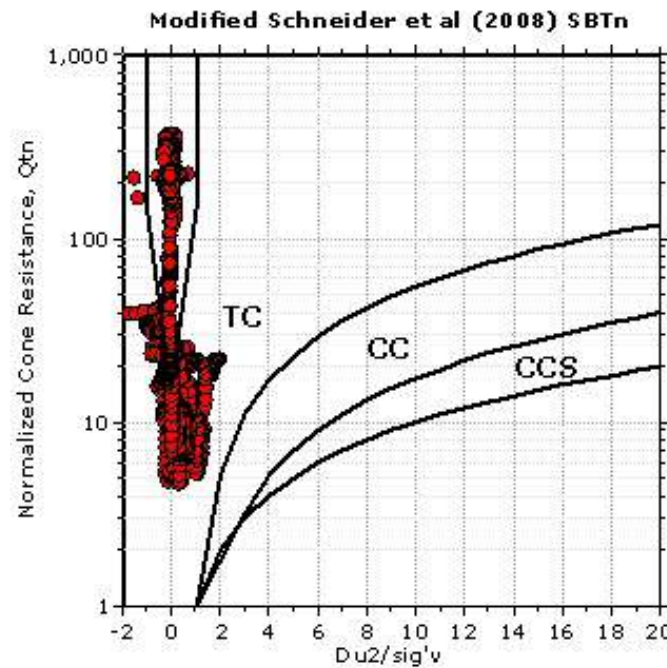
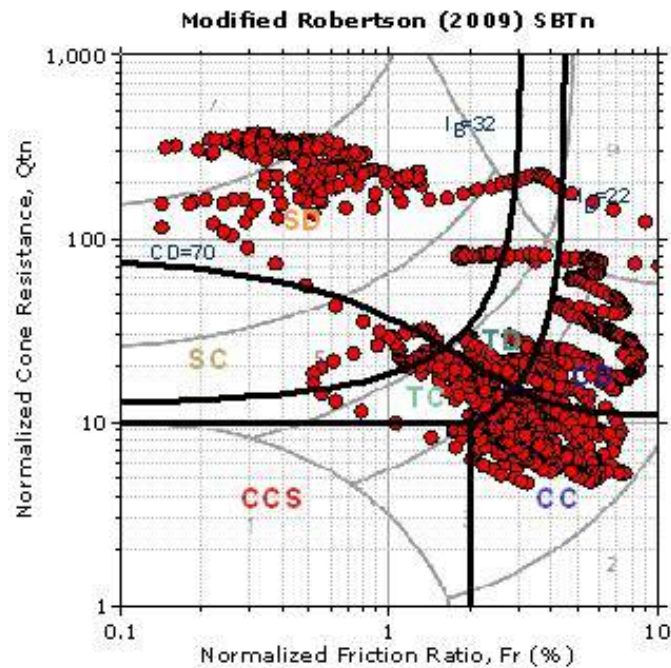
Surface Elevation: 0.00 m

Coords: X:0.00, Y:0.00

Cone Type: Unknown

Cone Operator: Unknown

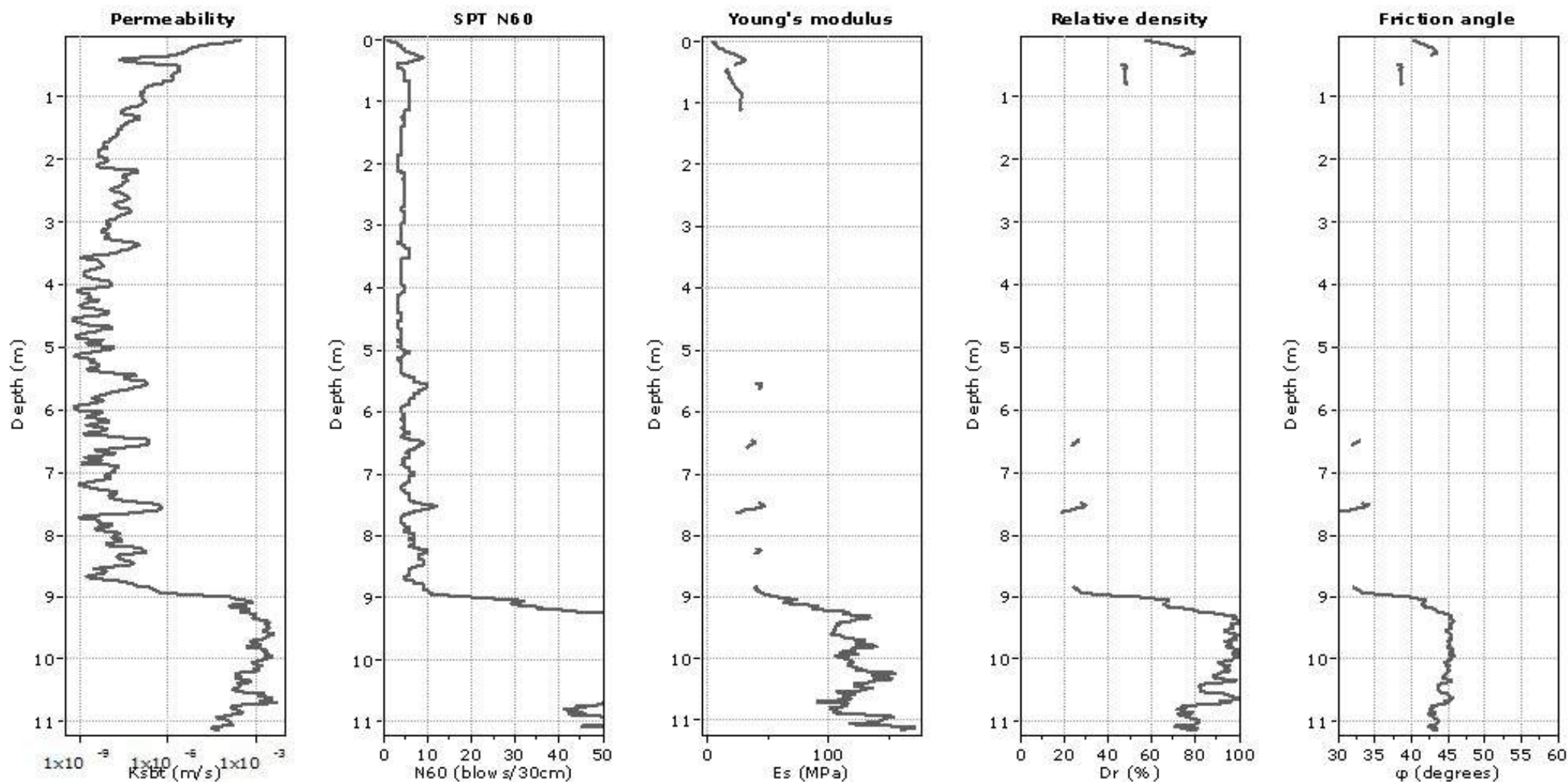
Updated SBTn plots



CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

Project:

Location:



Calculation parameters

Permeability: Based on SBT_n

SPT N_{60} : Based on I_c and q_t

Young's modulus: Based on variable alpha using I_c (Robertson, 2009)

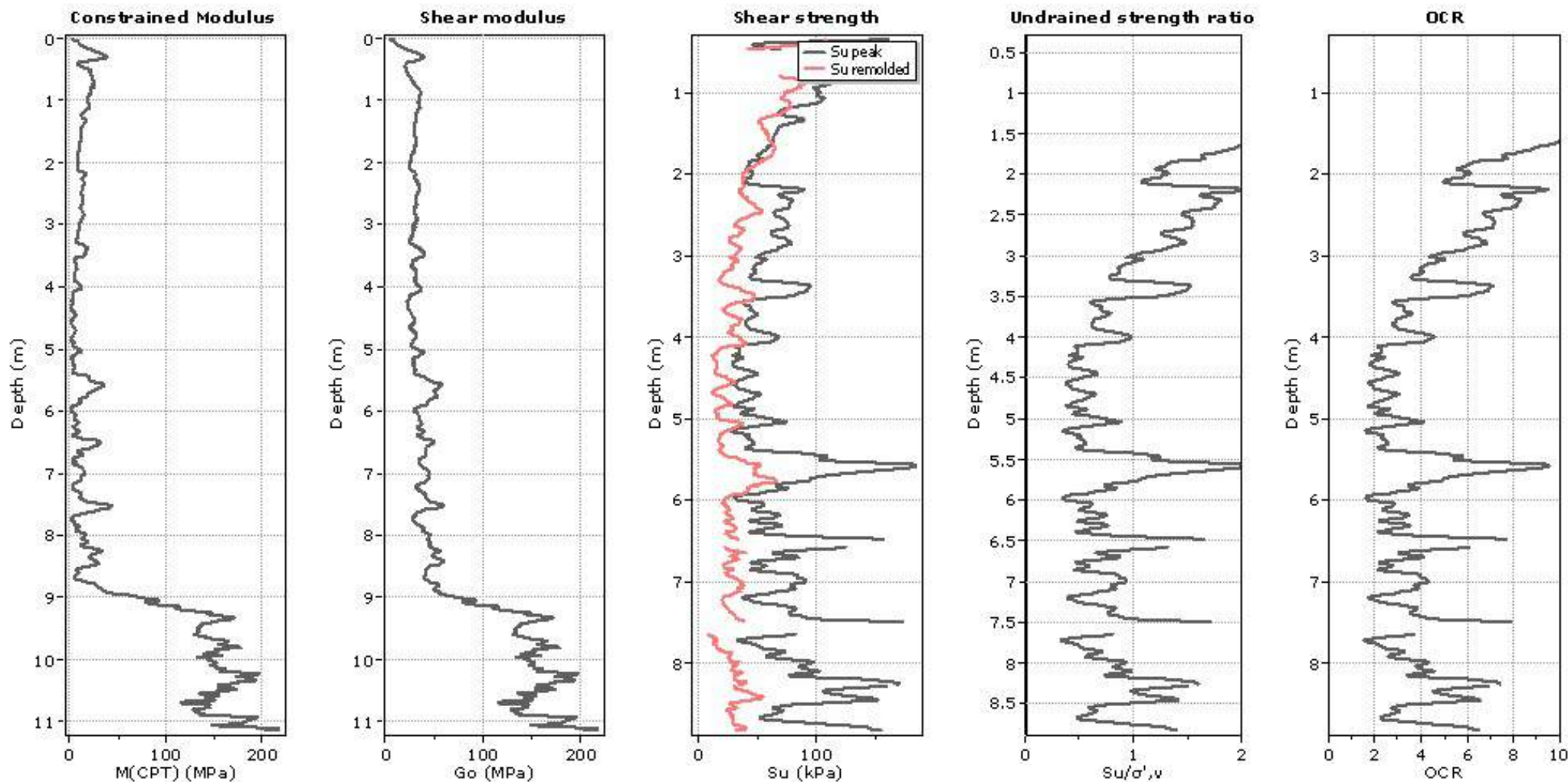
Relative density constant, C_{Dr} : 350.0

Phi: Based on Kulhavy & Mayne (1990)

● User defined estimation data

Project:

Location:



Calculation parameters

Constrained modulus: Based on variable α using I_c and Q_{tm} (Robertson, 2009)

G_o : Based on variable α using I_c (Robertson, 2009)

Undrained shear strength cone factor for clays, N_{kt} : 14

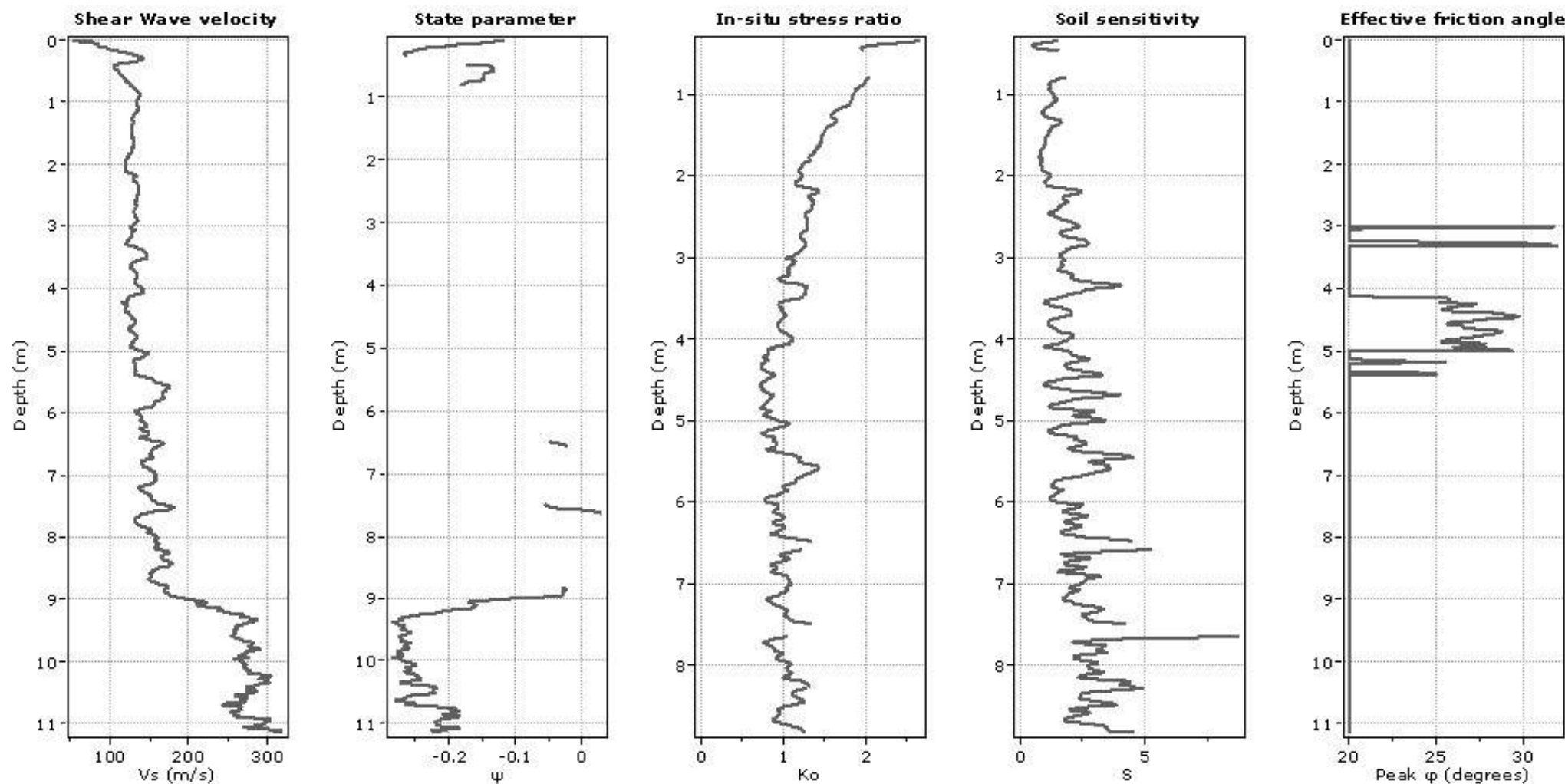
OCR factor for clays, N_{kt} : 0.33

—●— User defined estimation data

—●— Flat Dilatometer Test data

Project:

Location:



Calculation parameters

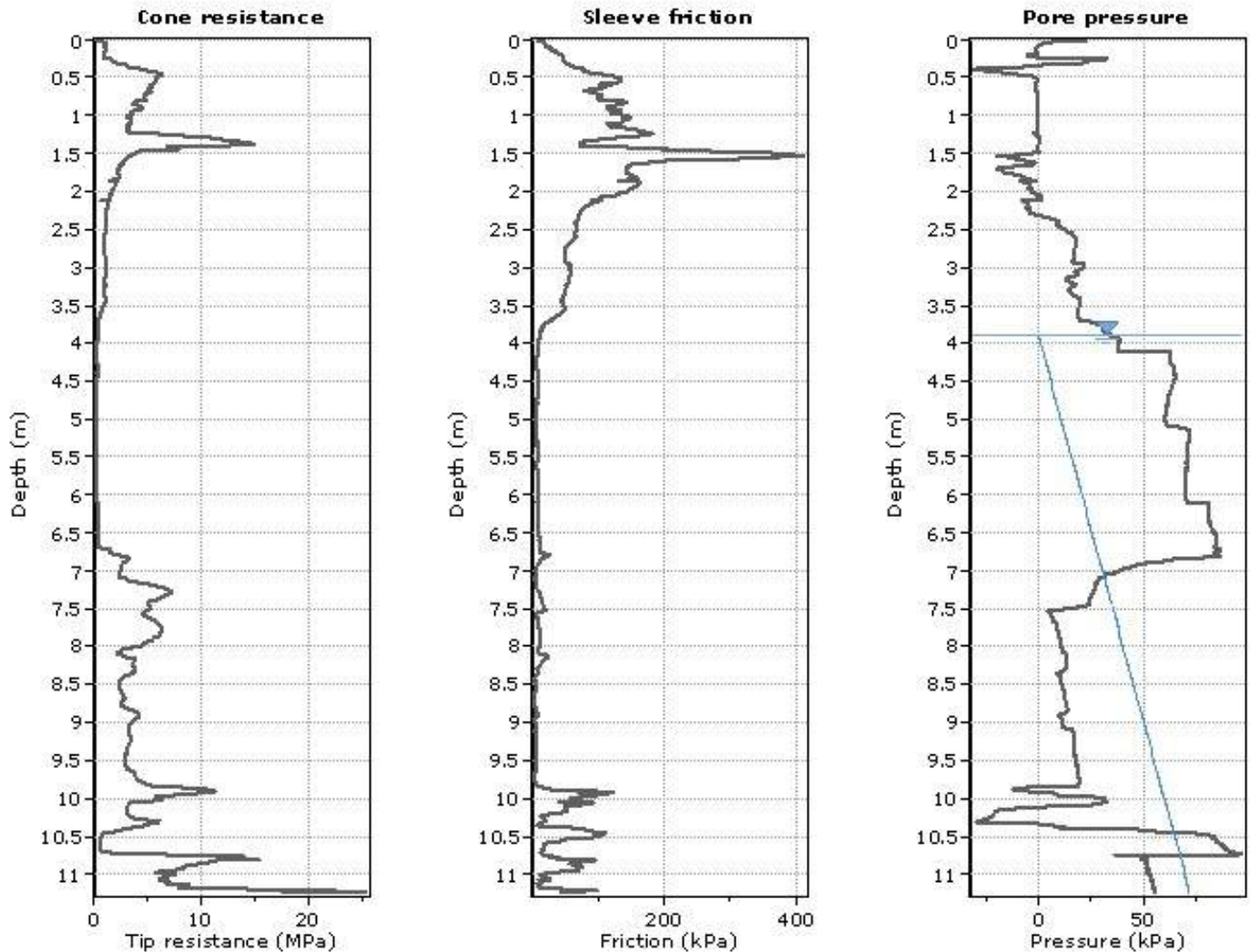
Soil Sensitivity factor, N_s : 7.00

—●— User defined estimation data

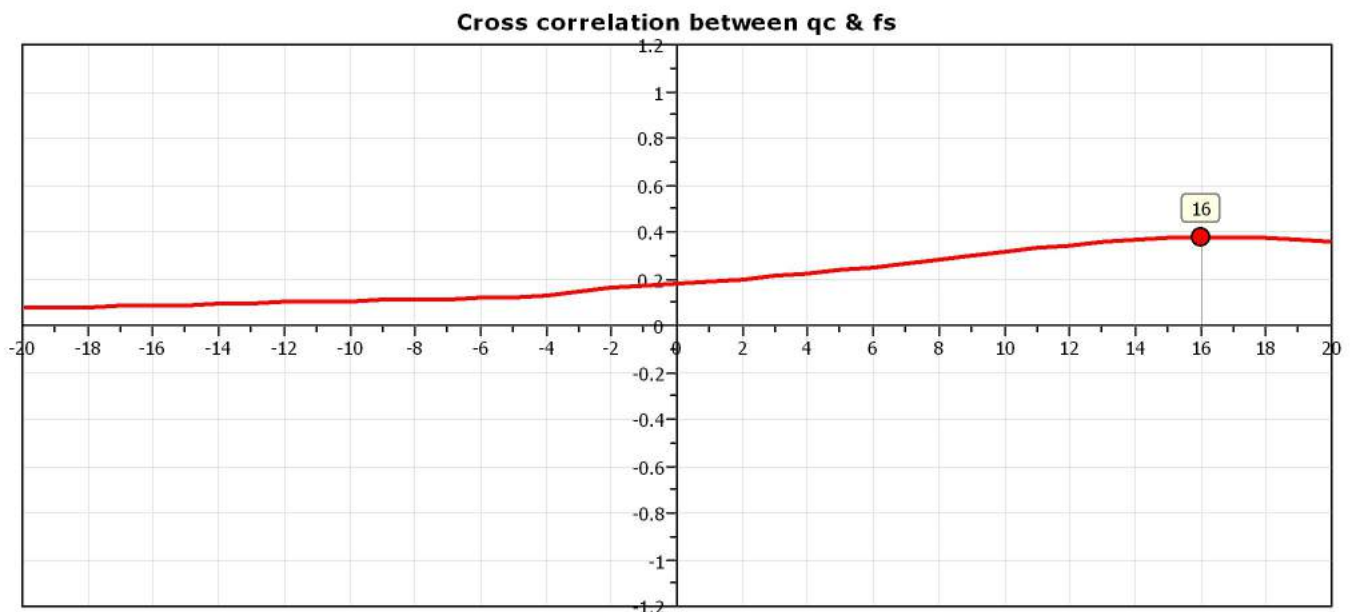
034033P196

Project:

Location:



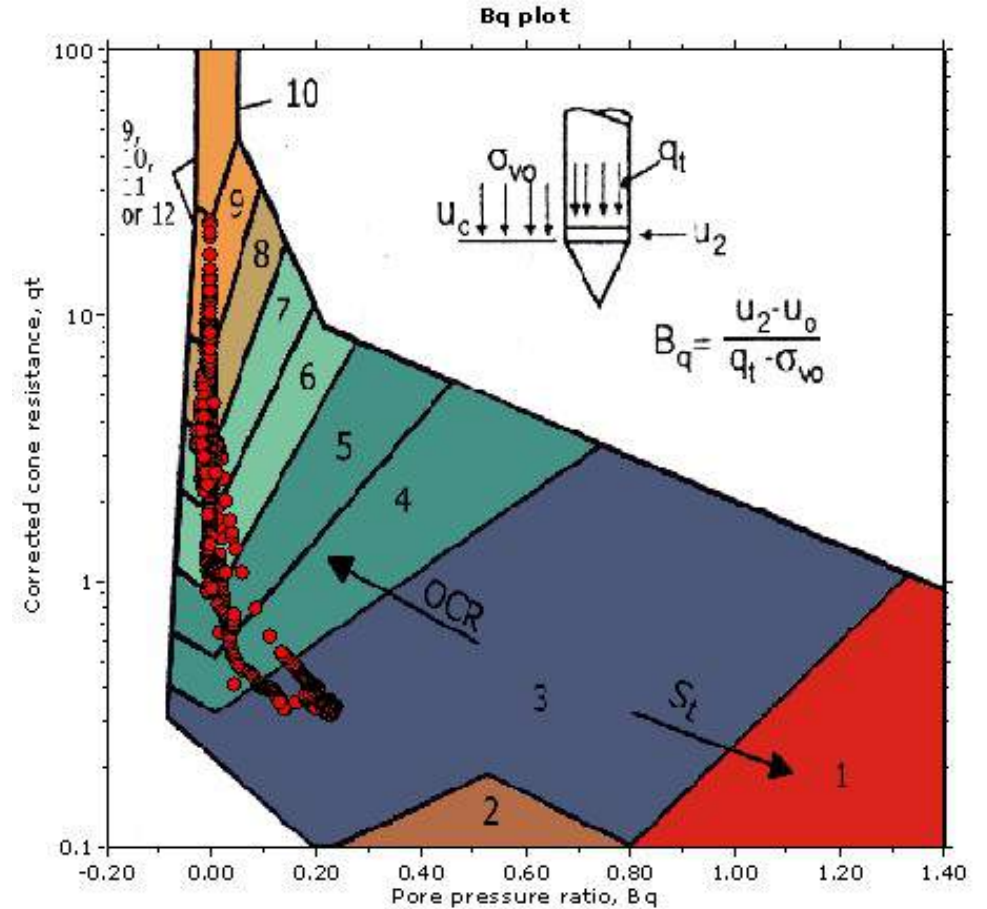
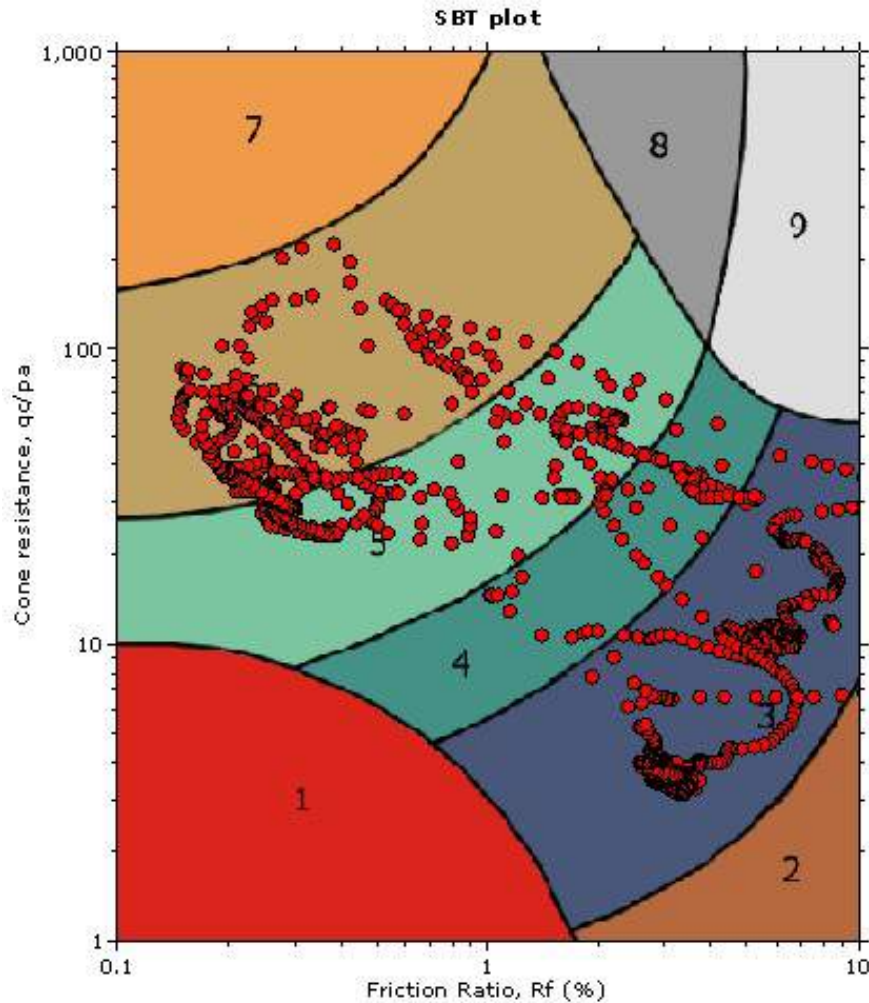
The plot below presents the cross correlation coefficient between the raw q_c and f_s values (as measured on the field). X axes presents the lag distance (one lag is the distance between two successive CPT measurements).



Project:

Location:

SBT - Bq plots



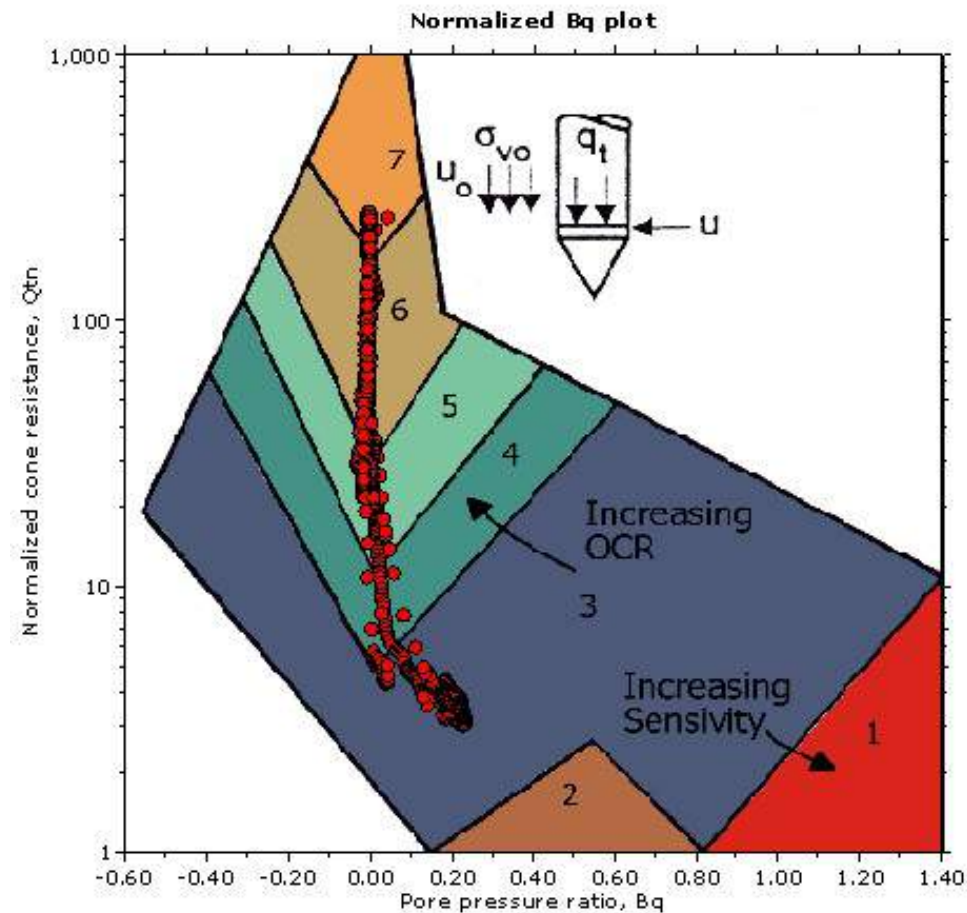
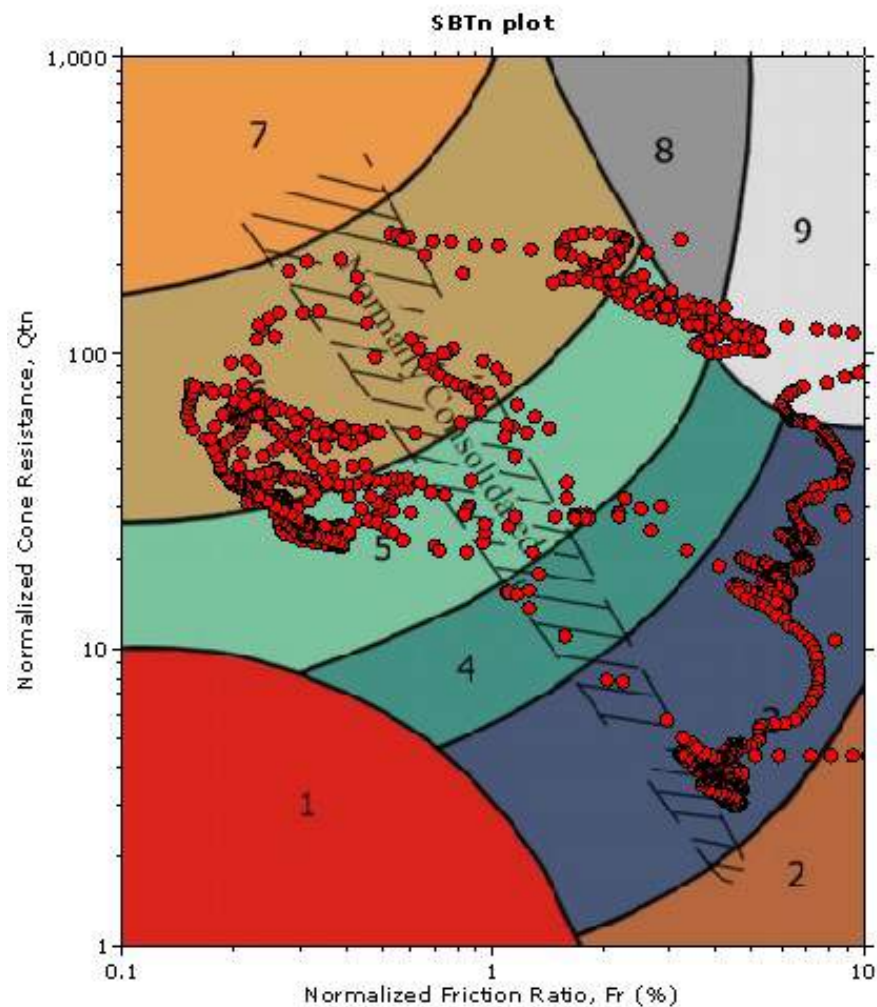
SBT legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

Project:

Location:

SBT - Bq plots (normalized)



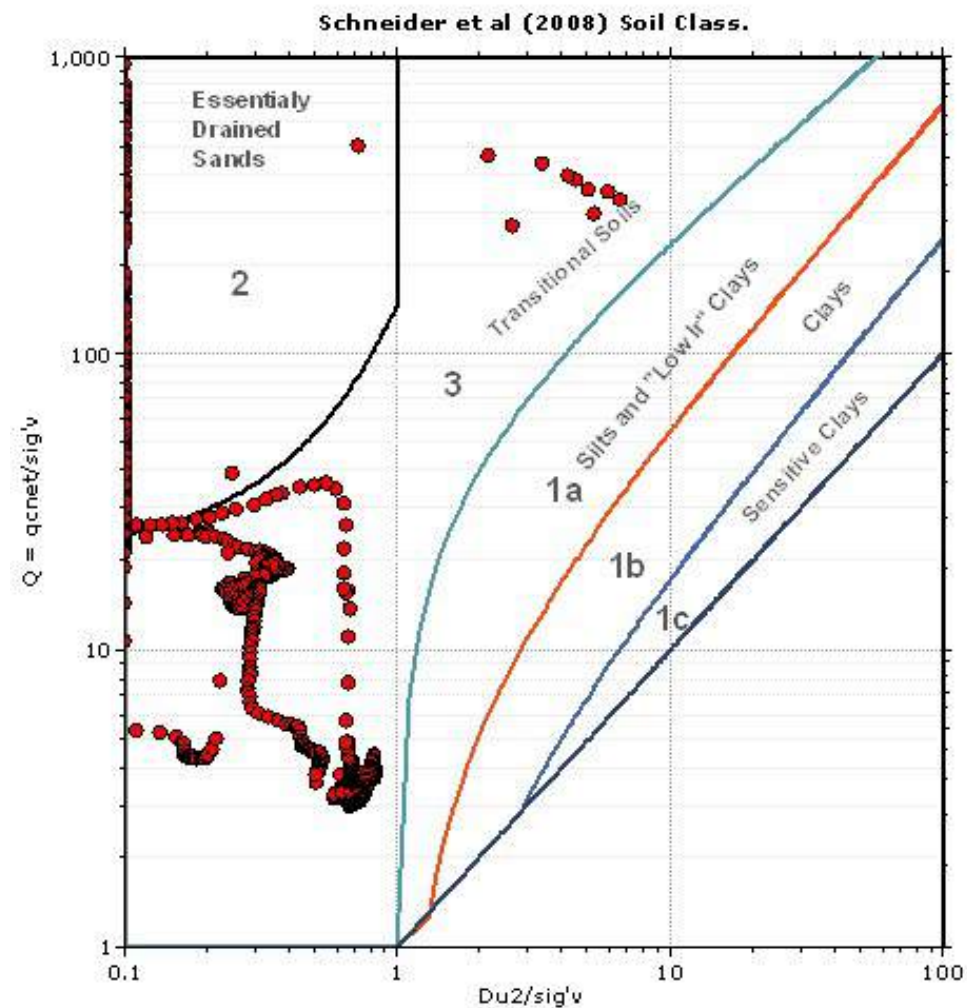
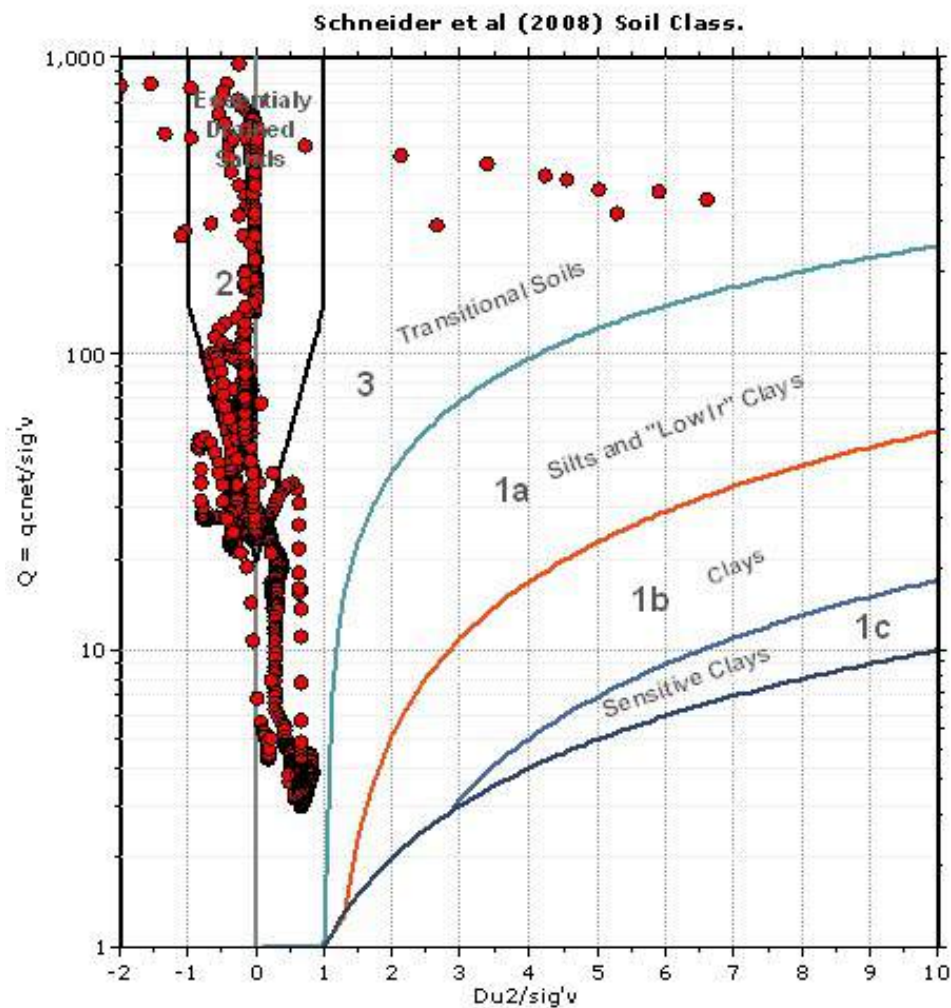
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

Project:

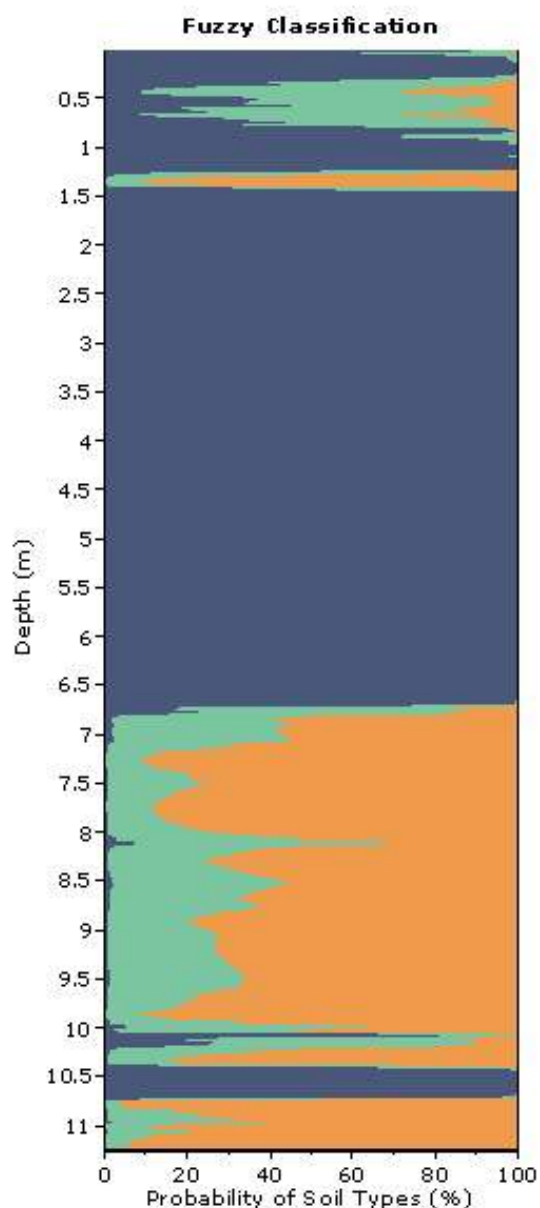
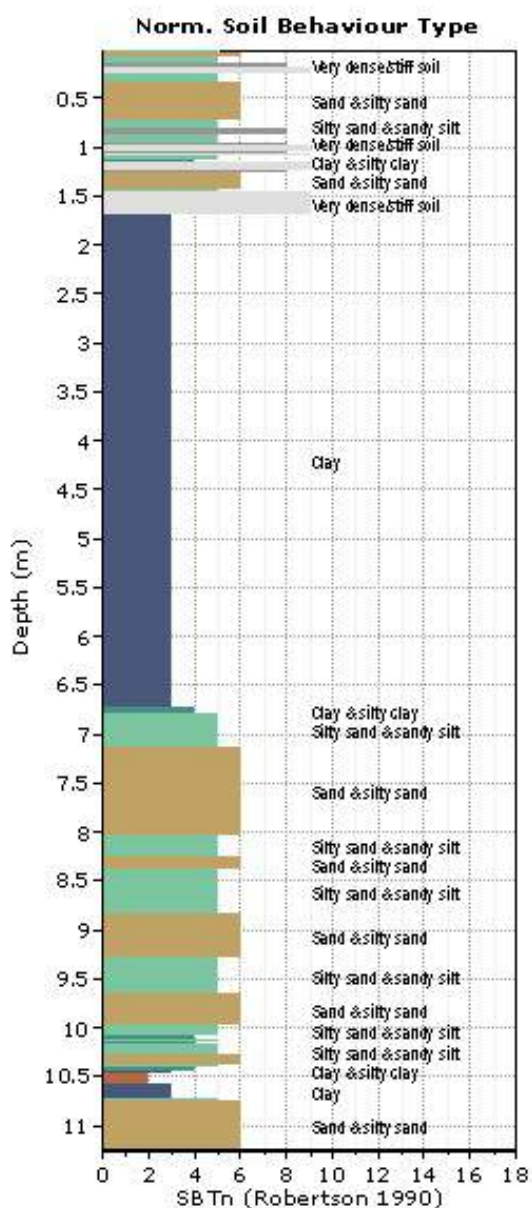
Location:

Bq plots (Schneider)



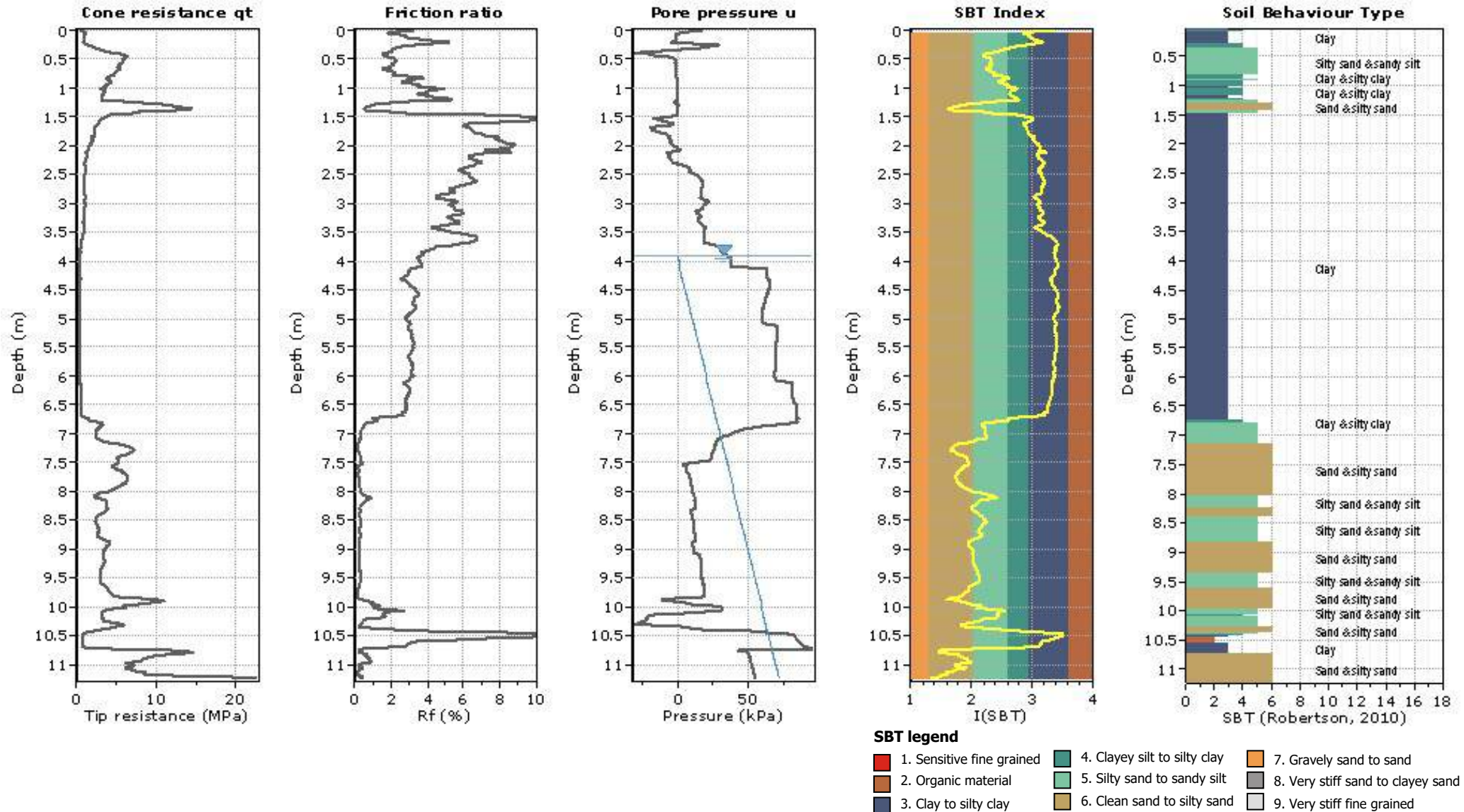
Project:

Location:



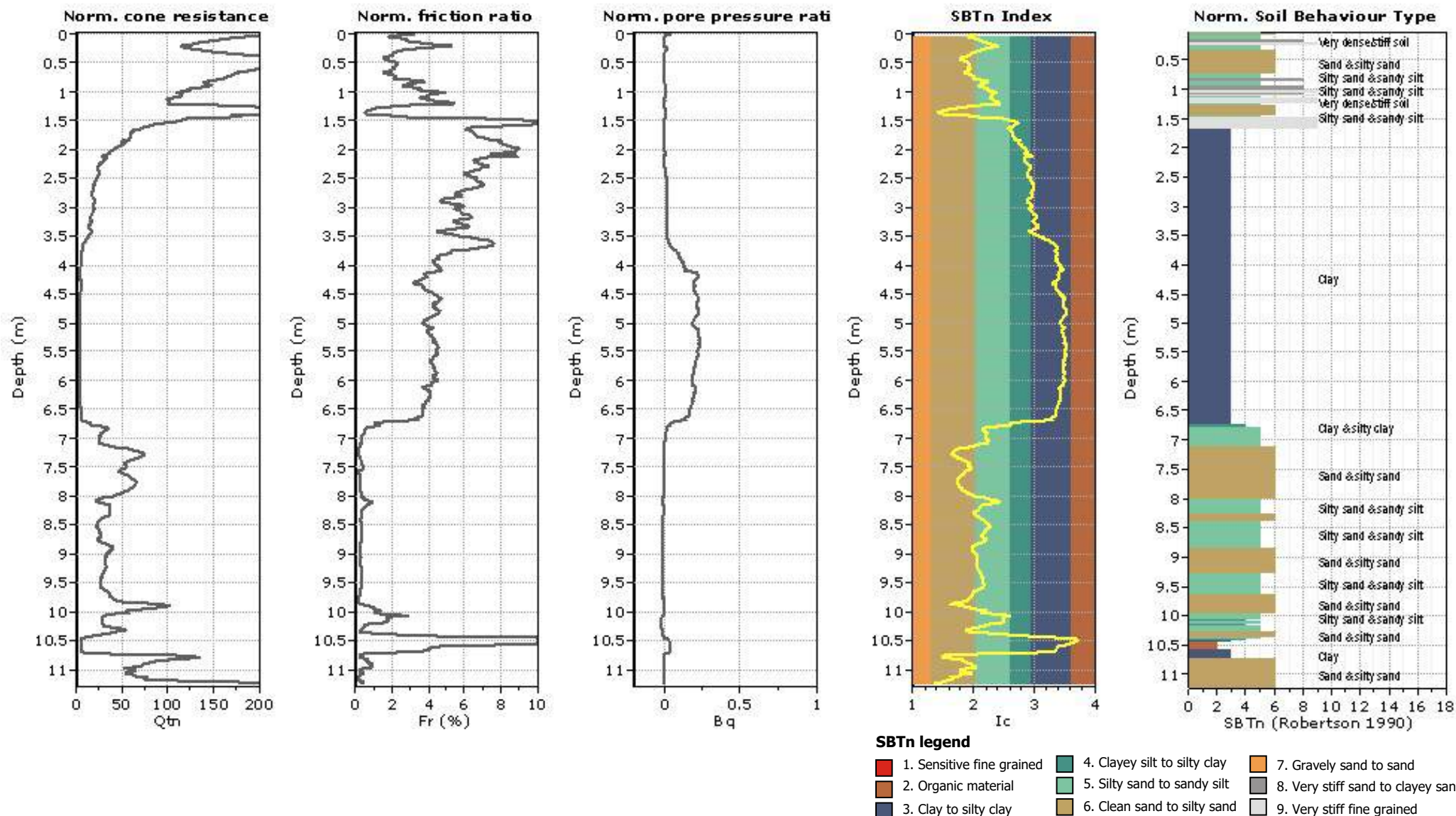
Project:

Location:



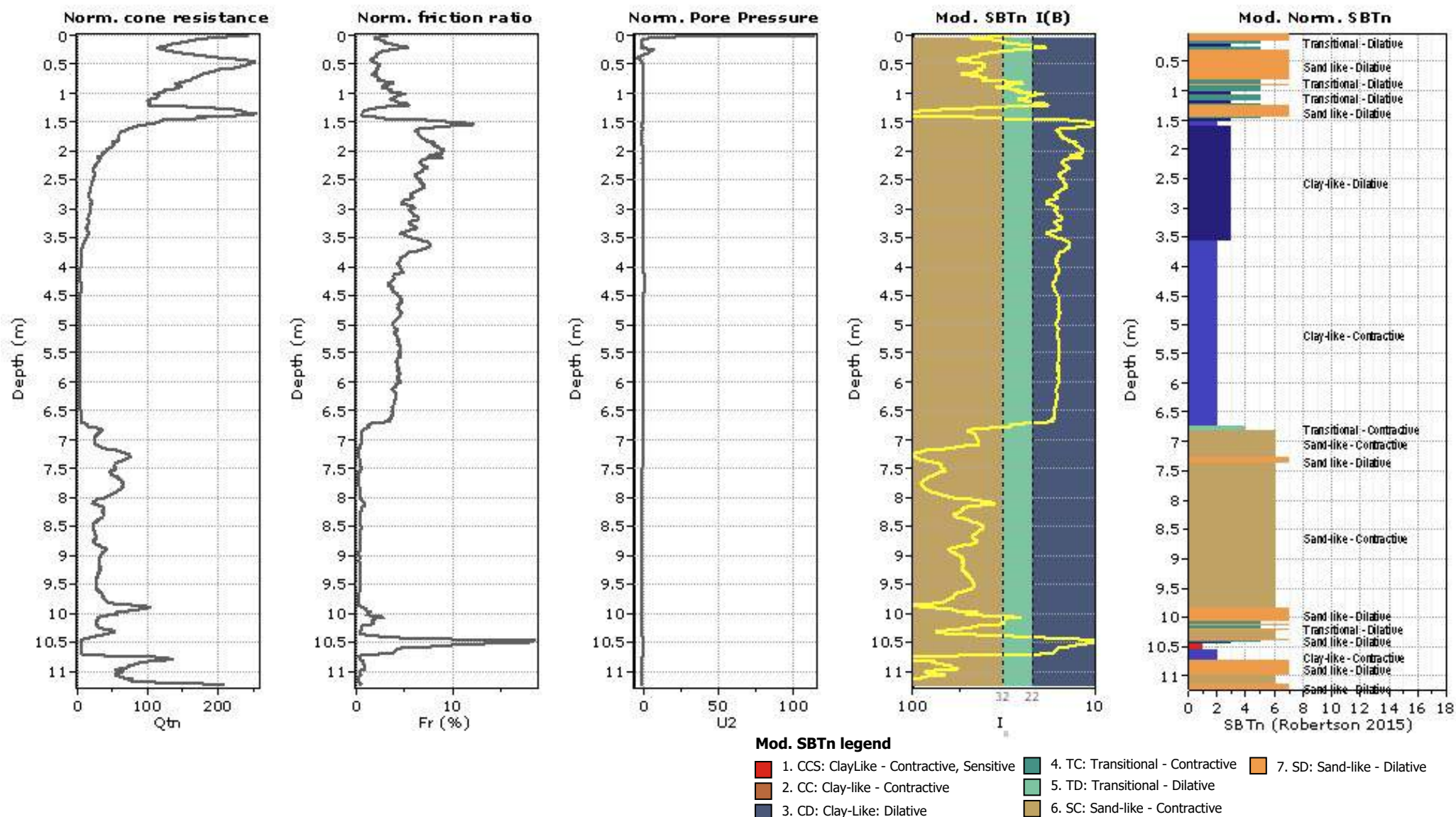
Project:

Location:



Project:

Location:



Project:

Location:

CPT: CPT-03

Total depth: 11.25 m, Date: 06/10/2019

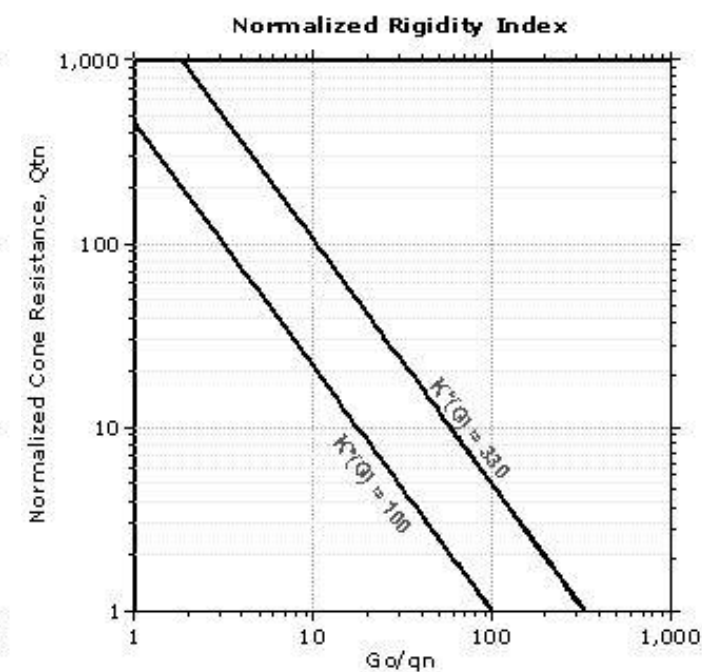
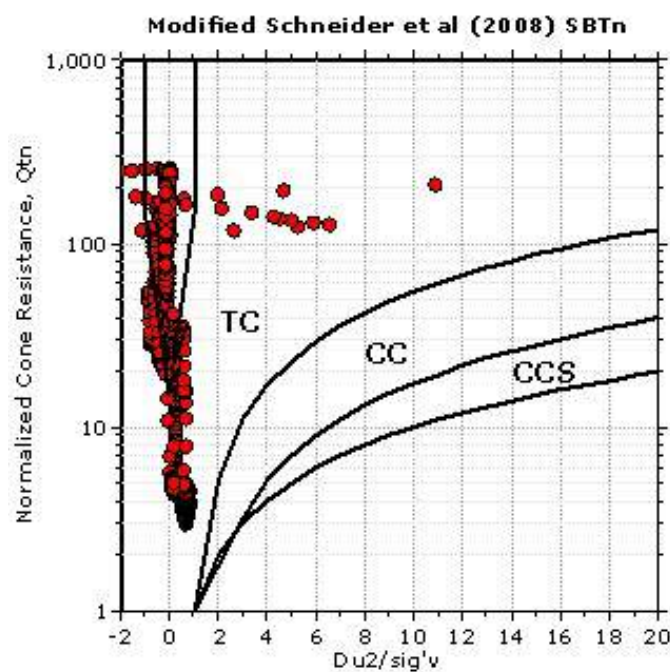
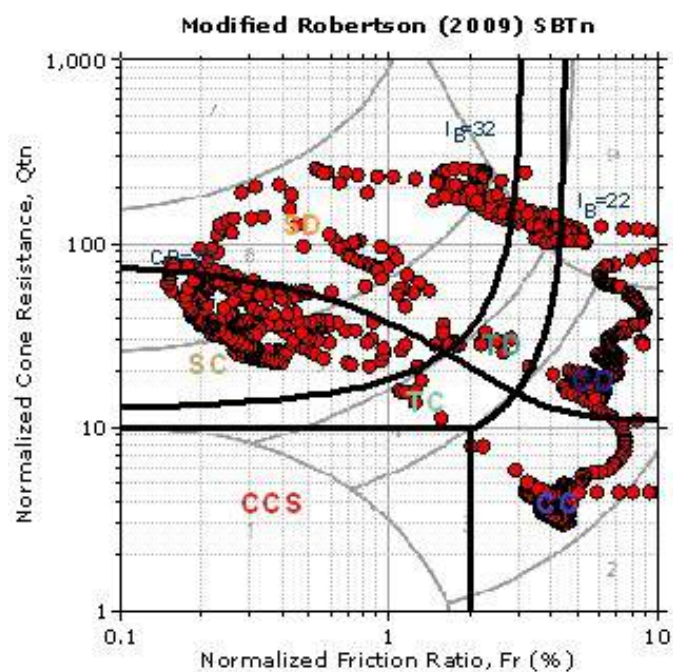
Surface Elevation: 0.00 m

Coords: X:0.00, Y:0.00

Cone Type: Unknown

Cone Operator: Unknown

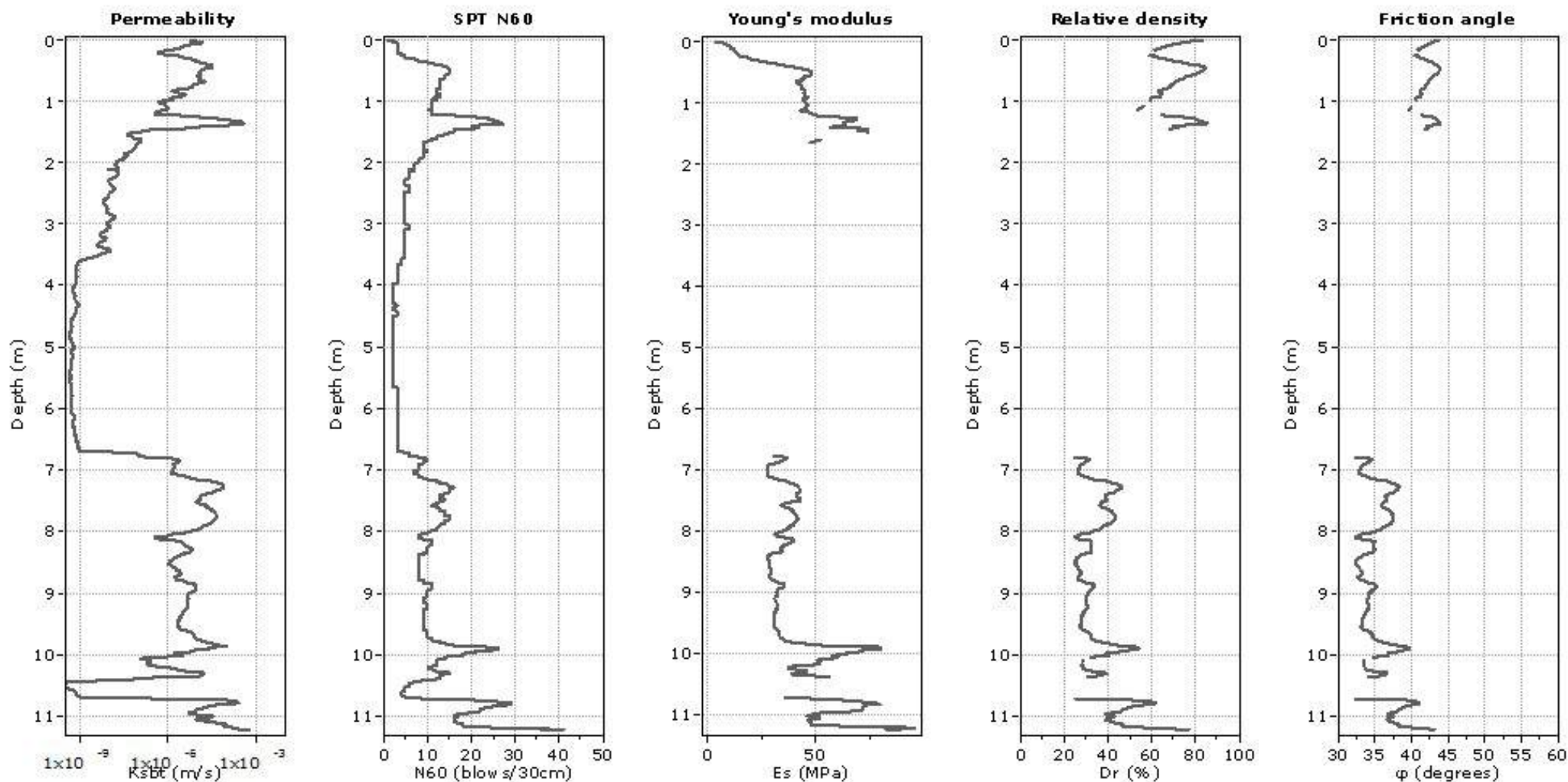
Updated SBTn plots



CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

Project:

Location:



Calculation parameters

Permeability: Based on SBT_n

SPT N_{60} : Based on I_c and q_t

Young's modulus: Based on variable alpha using I_c (Robertson, 2009)

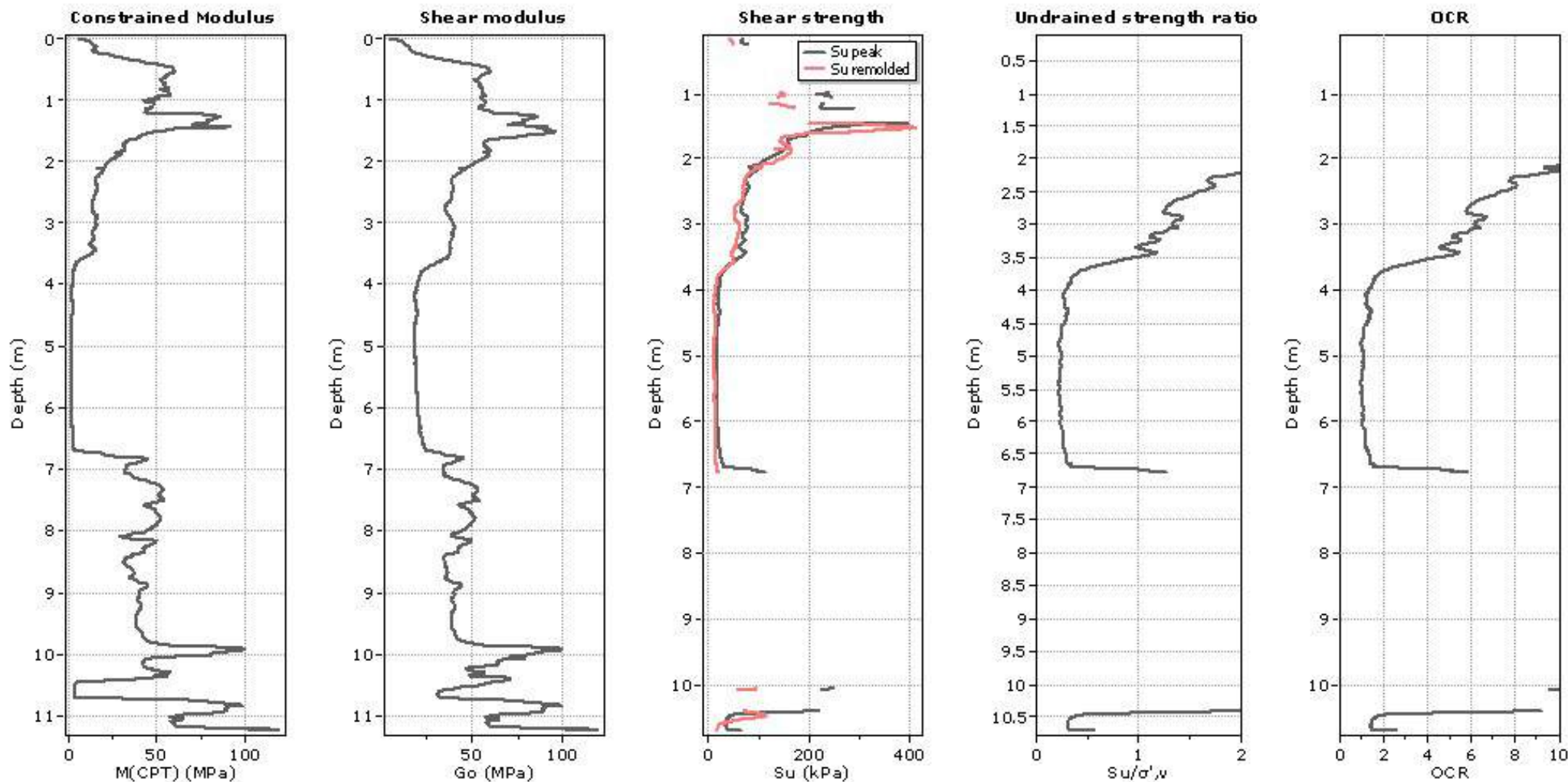
Relative density constant, C_{Dr} : 350.0

Phi: Based on Kulhavy & Mayne (1990)

—●— User defined estimation data

Project:

Location:



Calculation parameters

Constrained modulus: Based on variable α using I_c and Q_{tn} (Robertson, 2009)

Go: Based on variable α using I_c (Robertson, 2009)

Undrained shear strength cone factor for clays, N_{kt} : 14

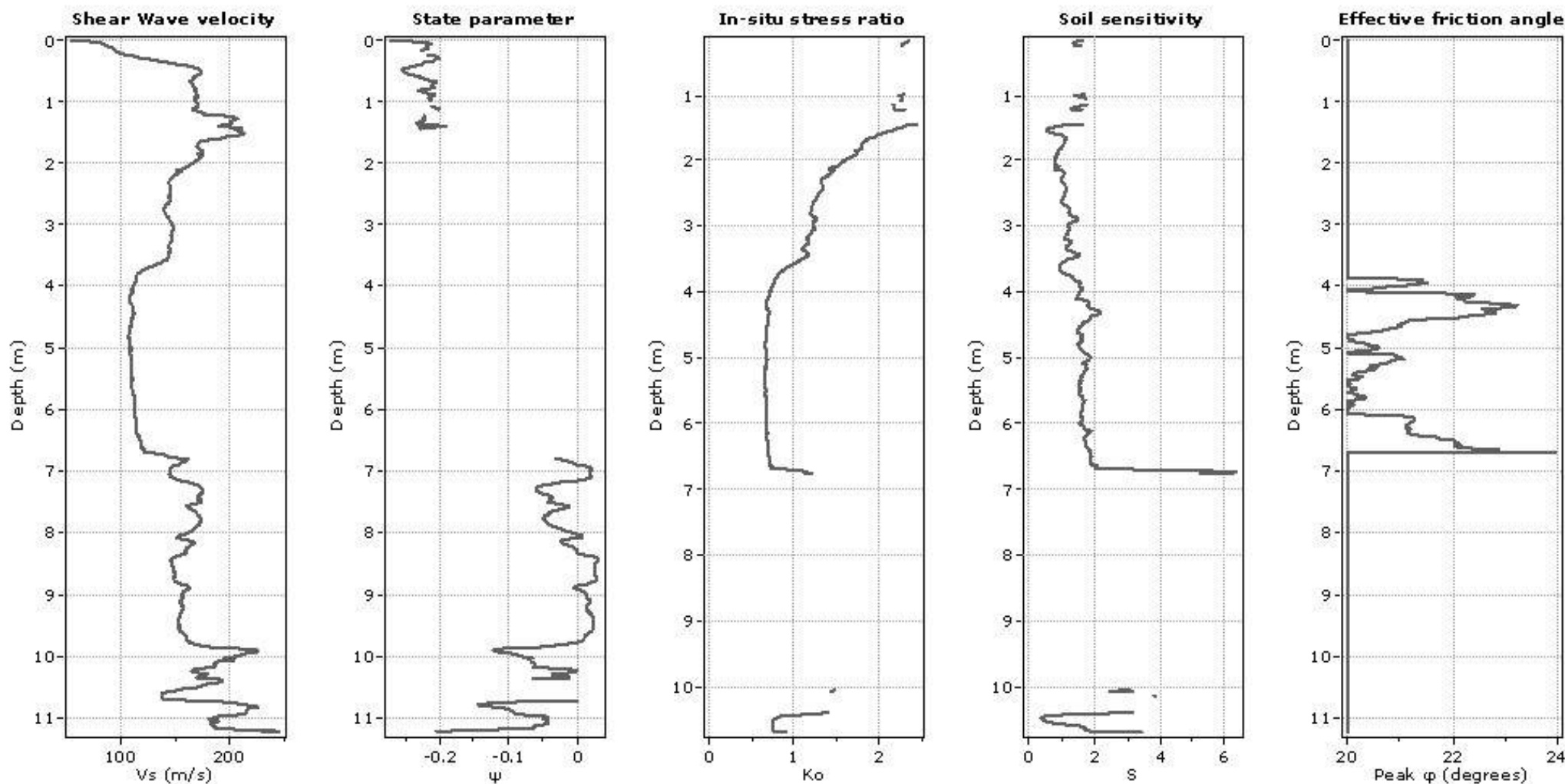
OCR factor for clays, N_{kt} : 0.33

—●— User defined estimation data

—●— Flat Dilatometer Test data

Project:

Location:



Calculation parameters

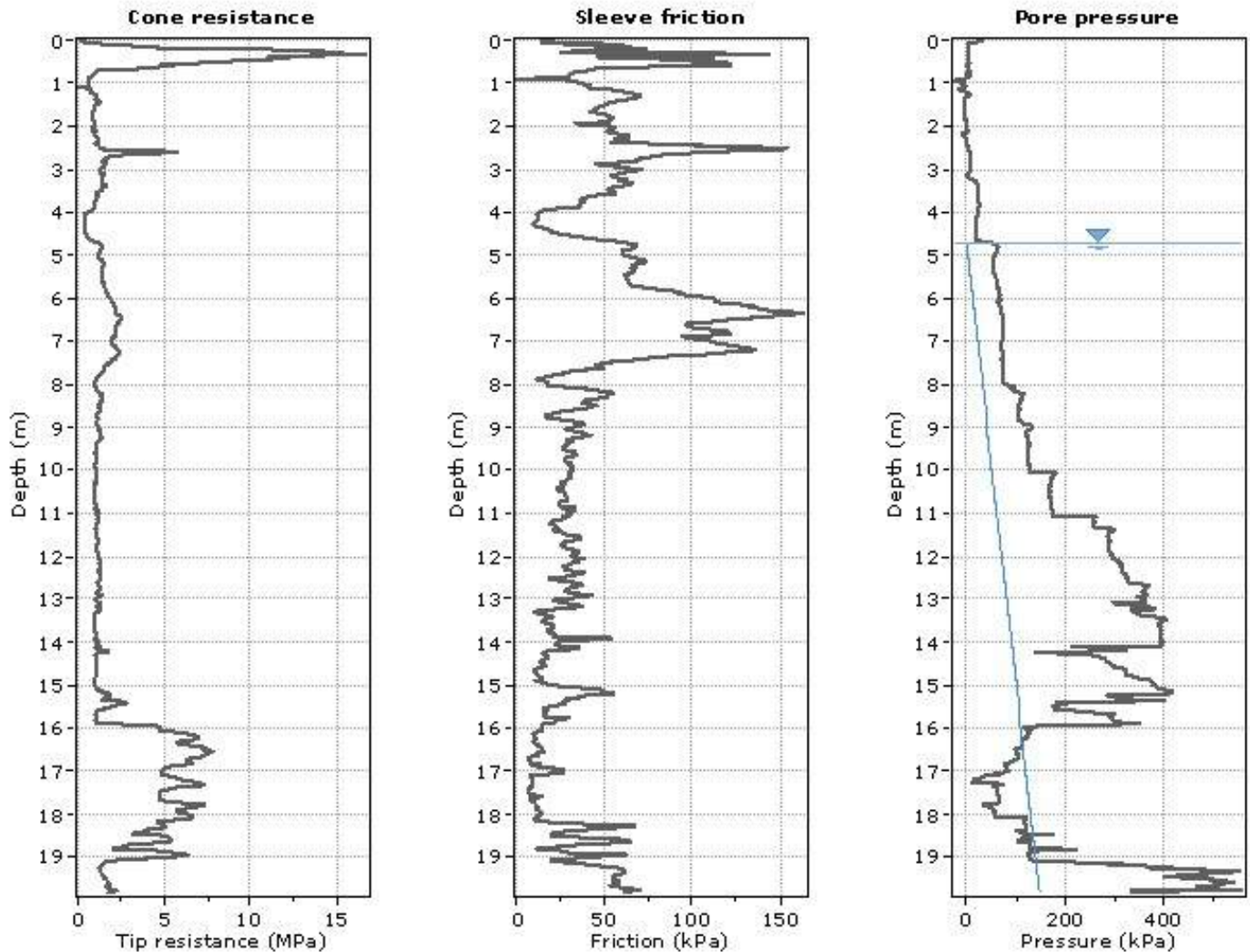
Soil Sensitivity factor, N_s : 7.00

—●— User defined estimation data

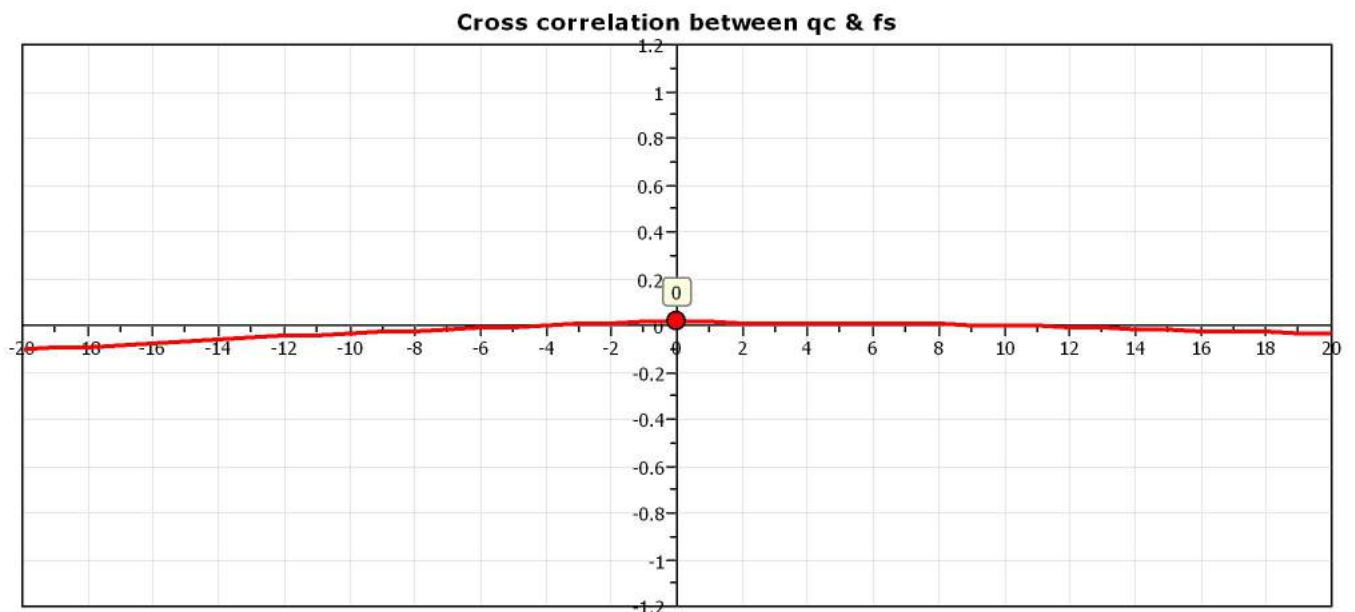
034033P203

Project:

Location:



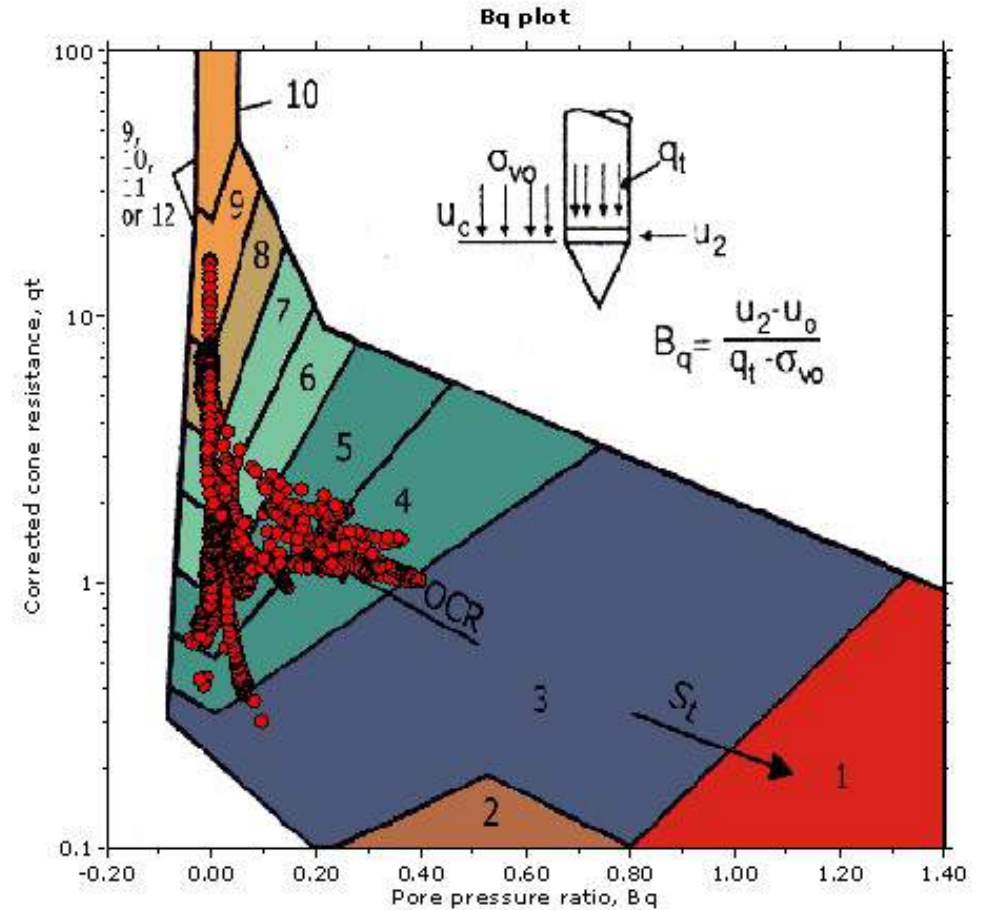
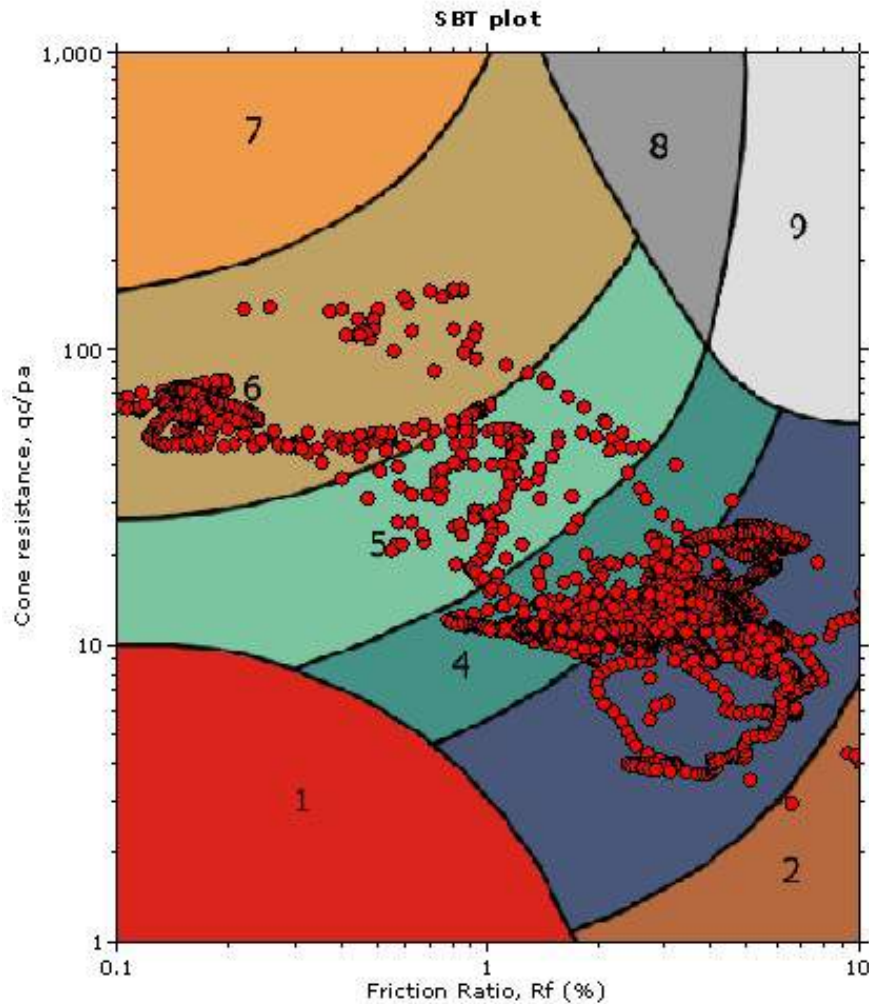
The plot below presents the cross correlation coefficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two successive CPT measurements).



Project:

Location:

SBT - Bq plots



SBT legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

Project:

Location:

CPT: CPT-01 INT

Total depth: 19.83 m, Date: 05/12/2019

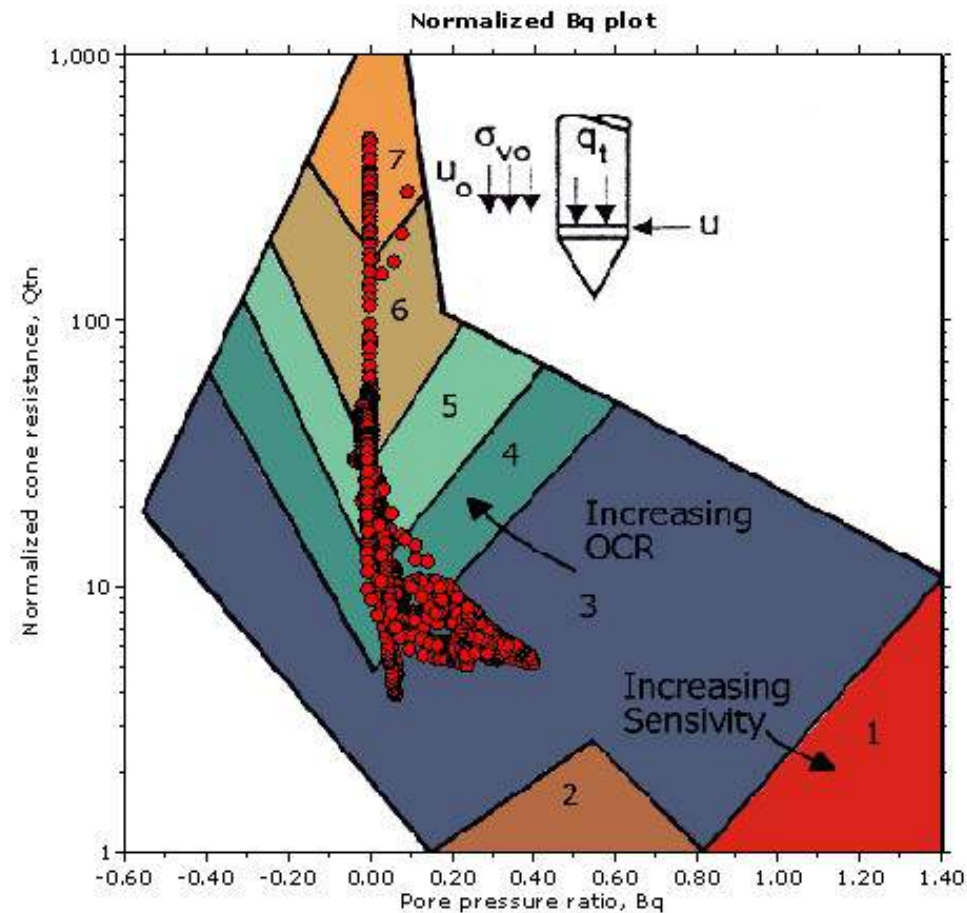
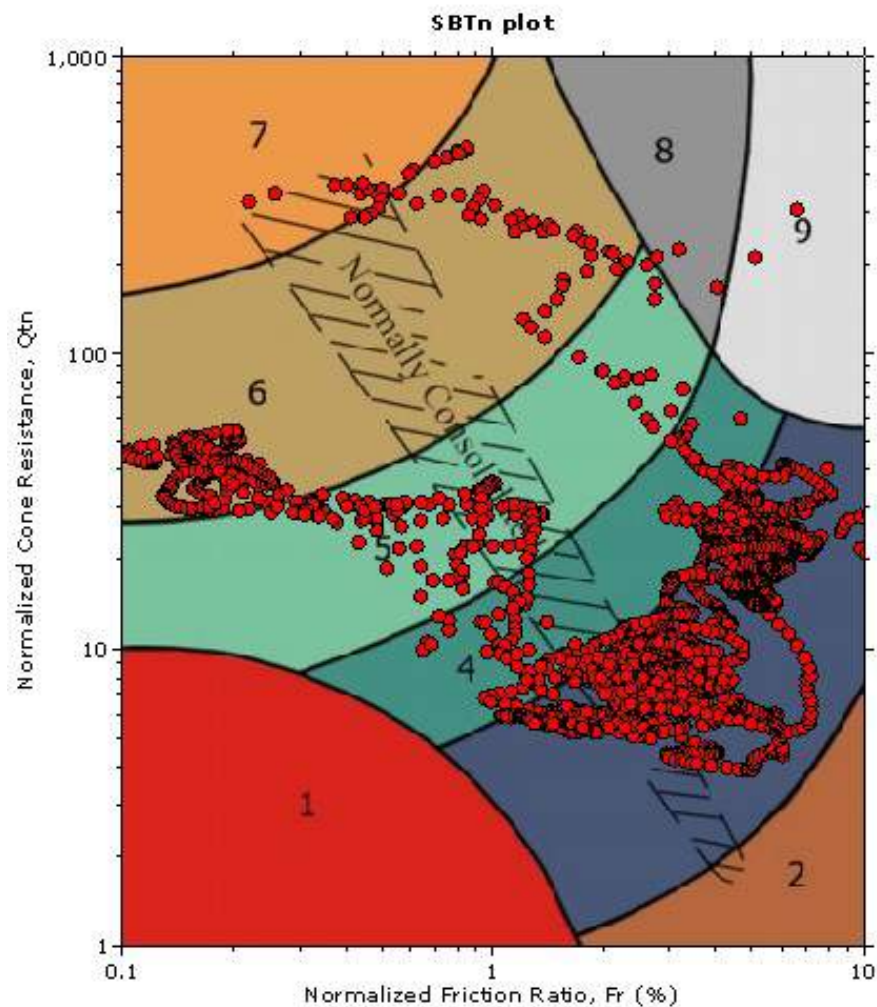
Surface Elevation: 0.00 m

Coords: X:0.00, Y:0.00

Cone Type: Unknown

Cone Operator: Unknown

SBT - Bq plots (normalized)



SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

Project:

Location:

CPT: CPT-01 INT

Total depth: 19.83 m, Date: 05/12/2019

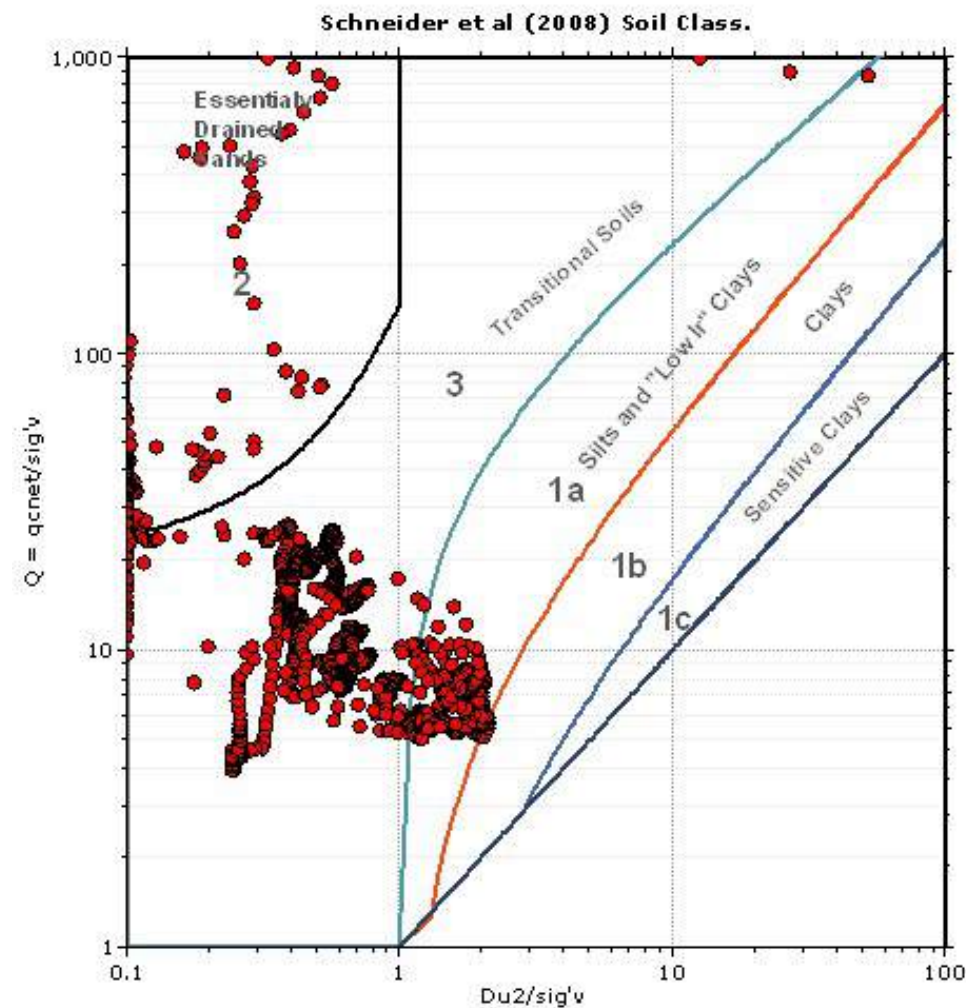
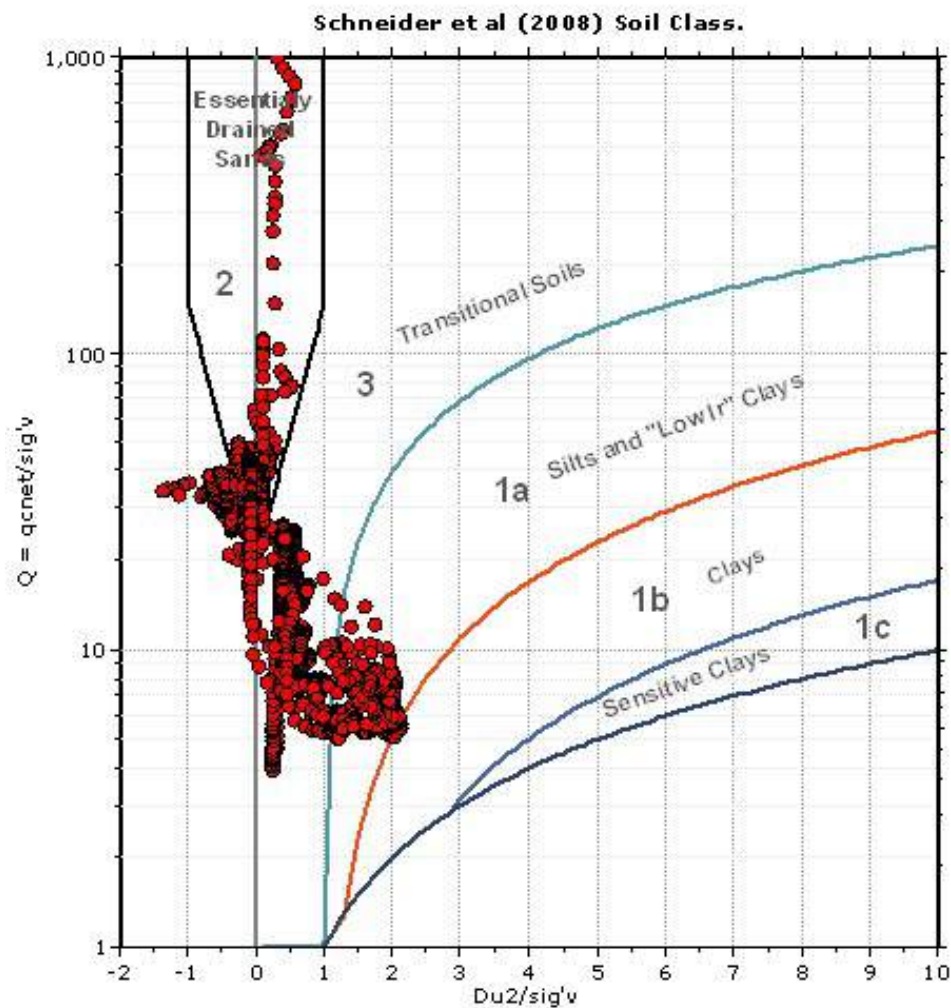
Surface Elevation: 0.00 m

Coords: X:0.00, Y:0.00

Cone Type: Unknown

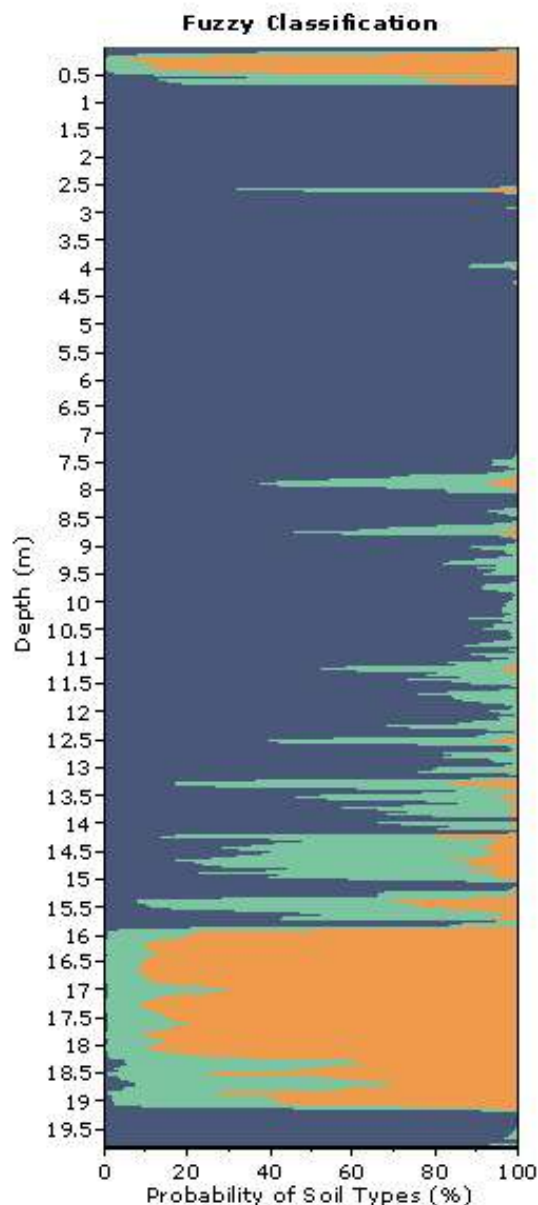
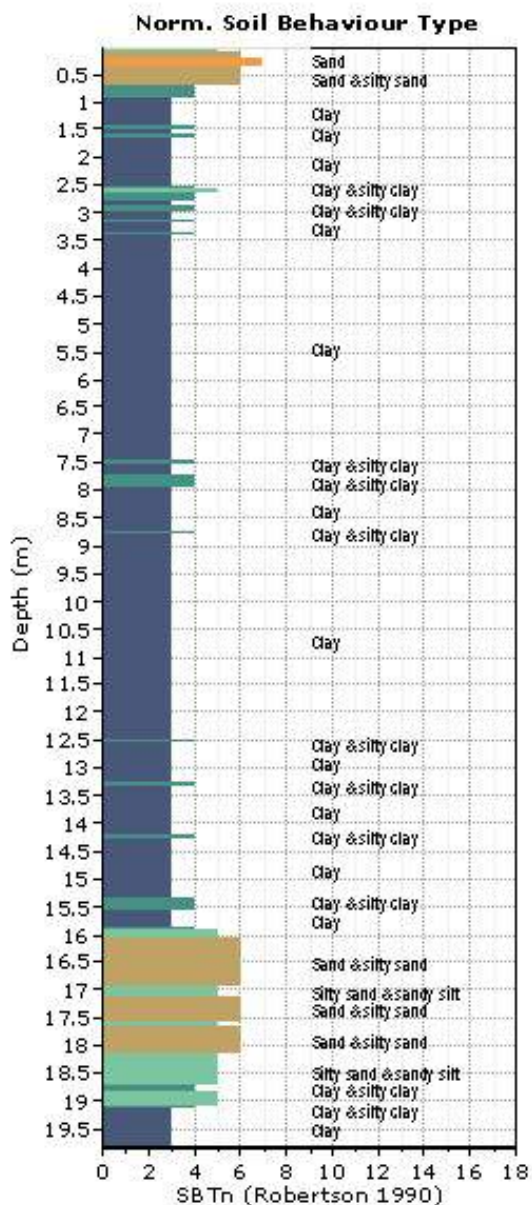
Cone Operator: Unknown

Bq plots (Schneider)



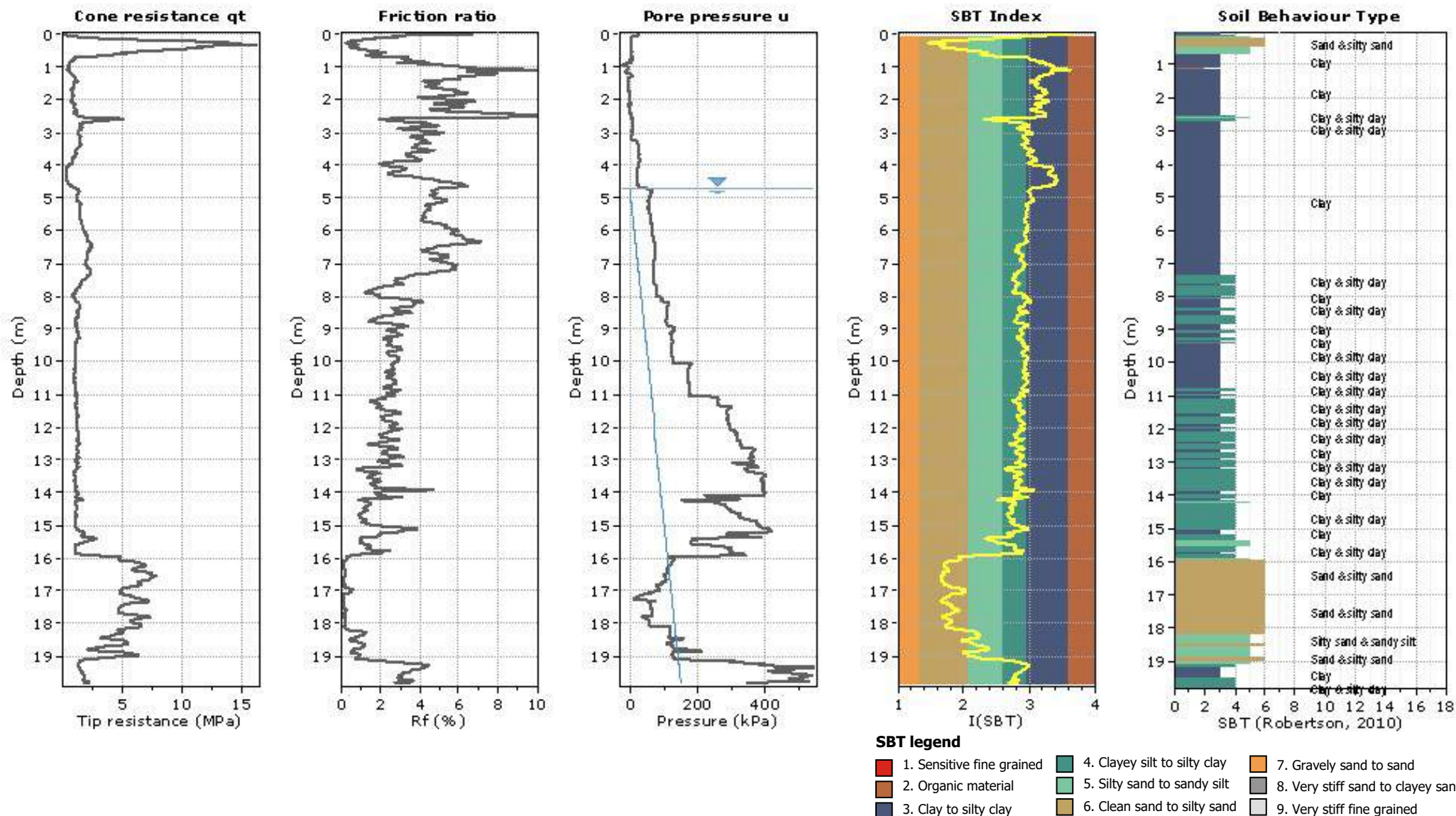
Project:

Location:



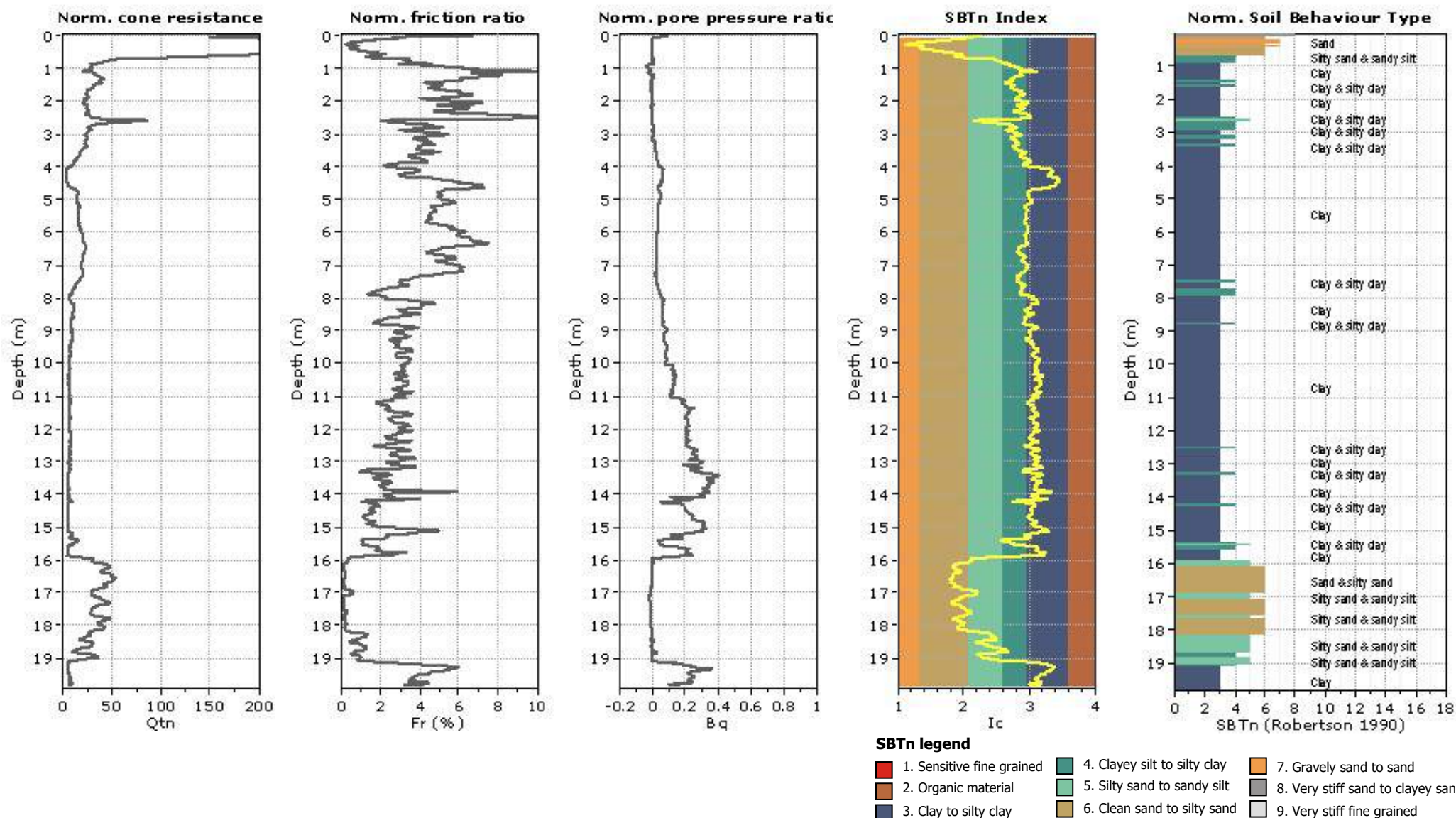
Project:

Location:



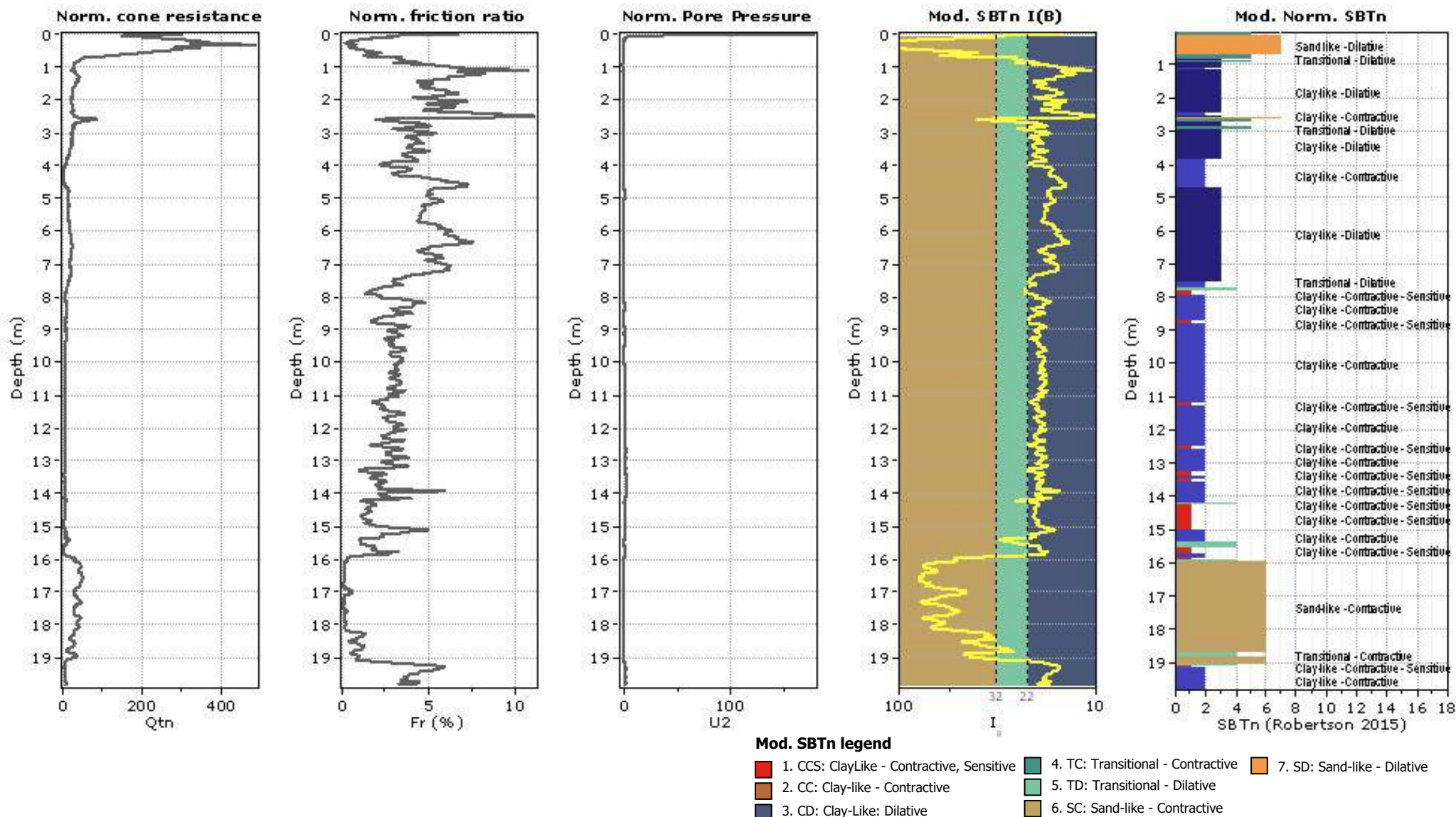
Project:

Location:



Project:

Location:

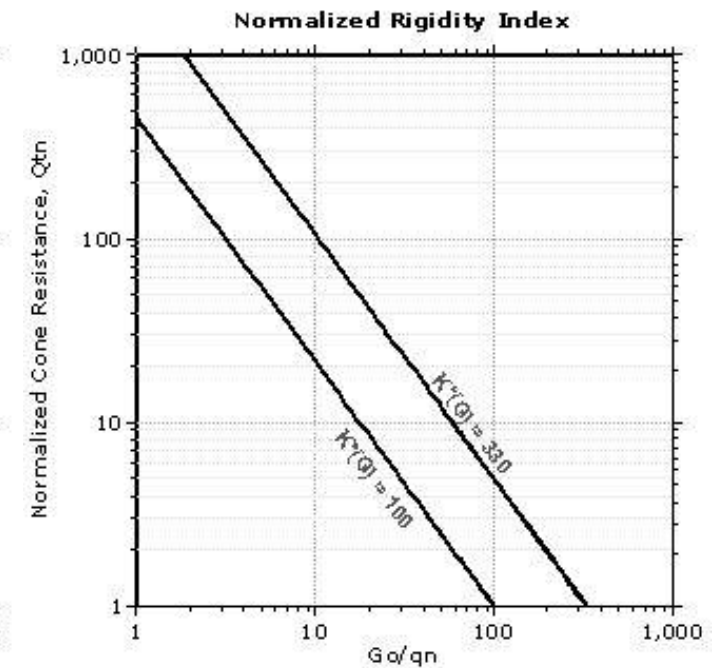
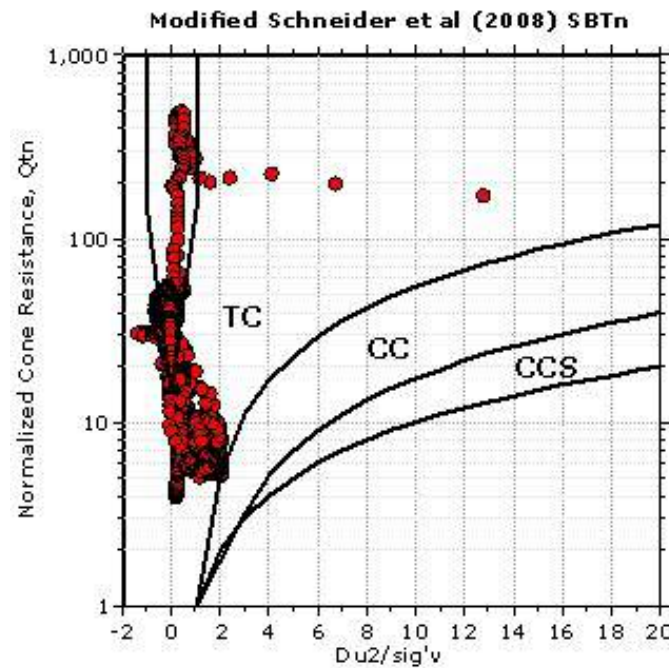
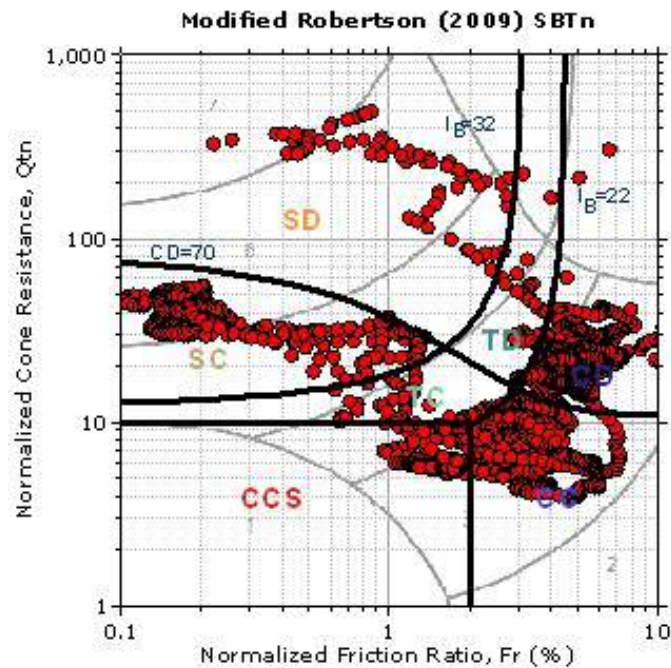


Project:
Location:

CPT: CPT-01 INT

Total depth: 19.83 m, Date: 05/12/2019
Surface Elevation: 0.00 m
Coords: X:0.00, Y:0.00
Cone Type: Unknown
Cone Operator: Unknown

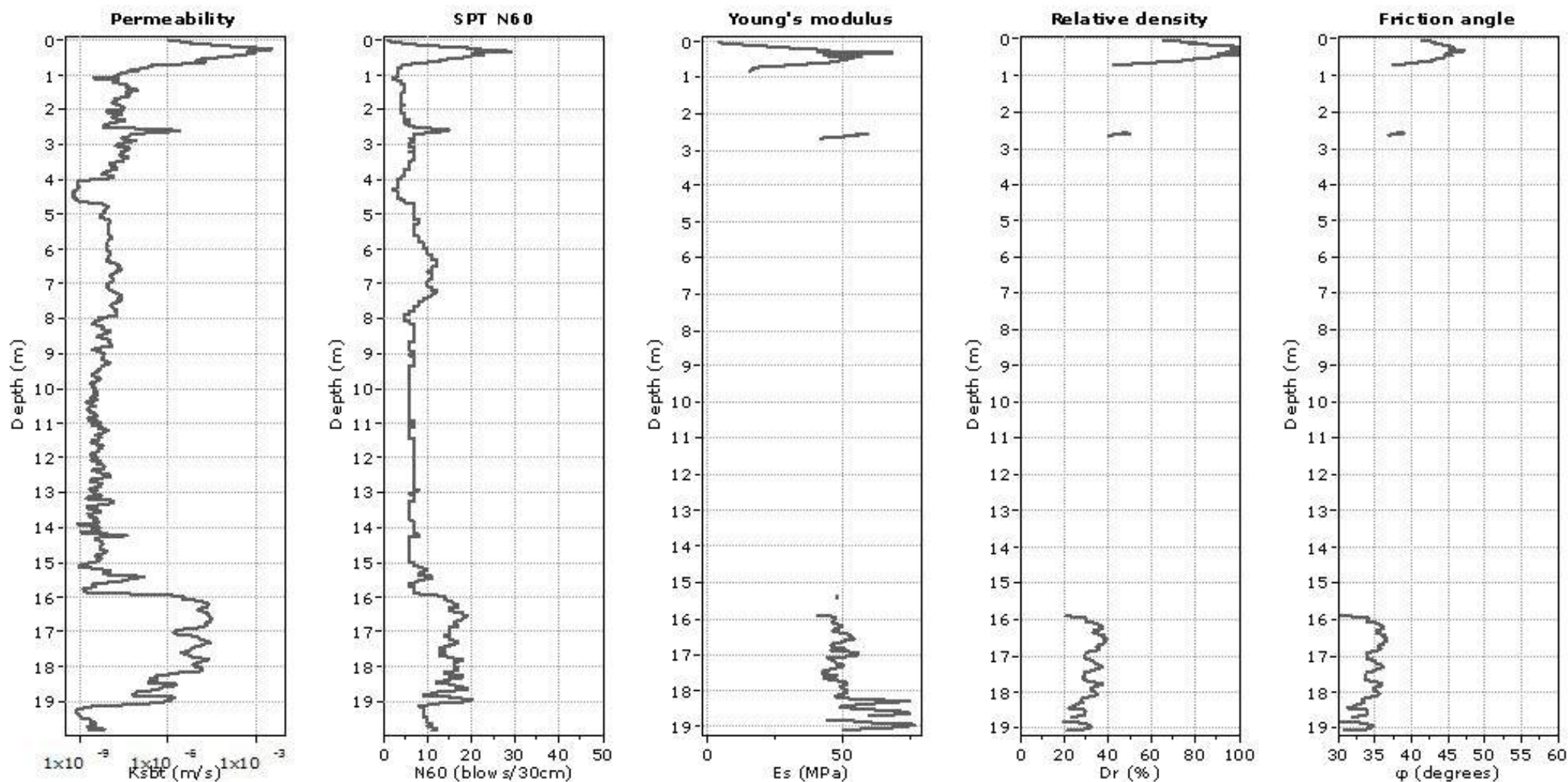
Updated SBTn plots



CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

Project:

Location:



Calculation parameters

Permeability: Based on SBT_n

SPT N_{60} : Based on I_c and q_t

Young's modulus: Based on variable alpha using I_c (Robertson, 2009)

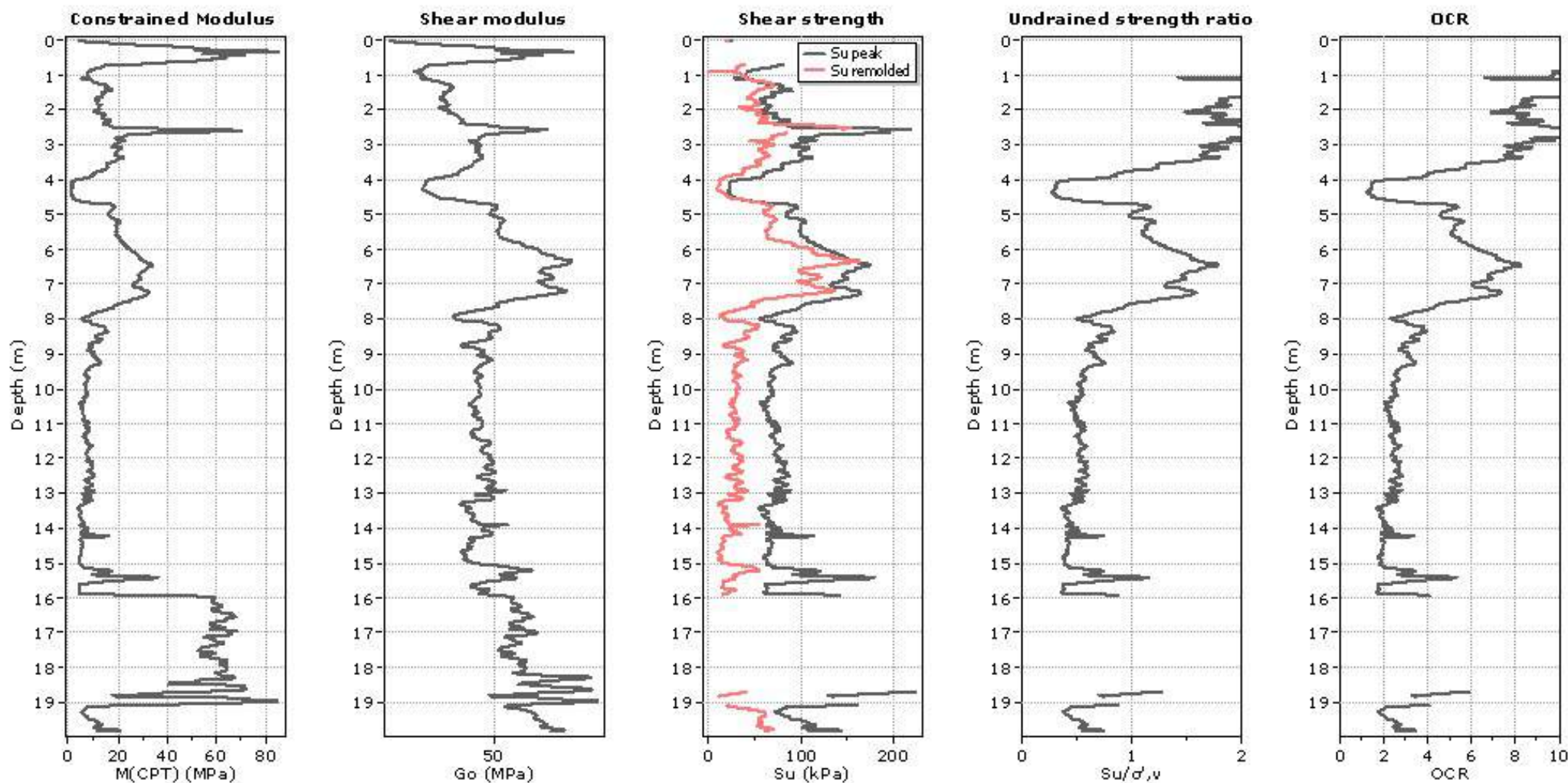
Relative density constant, C_{Dr} : 350.0

Phi: Based on Kulhavy & Mayne (1990)

● User defined estimation data

Project:

Location:



Calculation parameters

Constrained modulus: Based on variable α using I_c and Q_{tm} (Robertson, 2009)

Go: Based on variable α using I_c (Robertson, 2009)

Undrained shear strength cone factor for clays, N_{kt} : 14

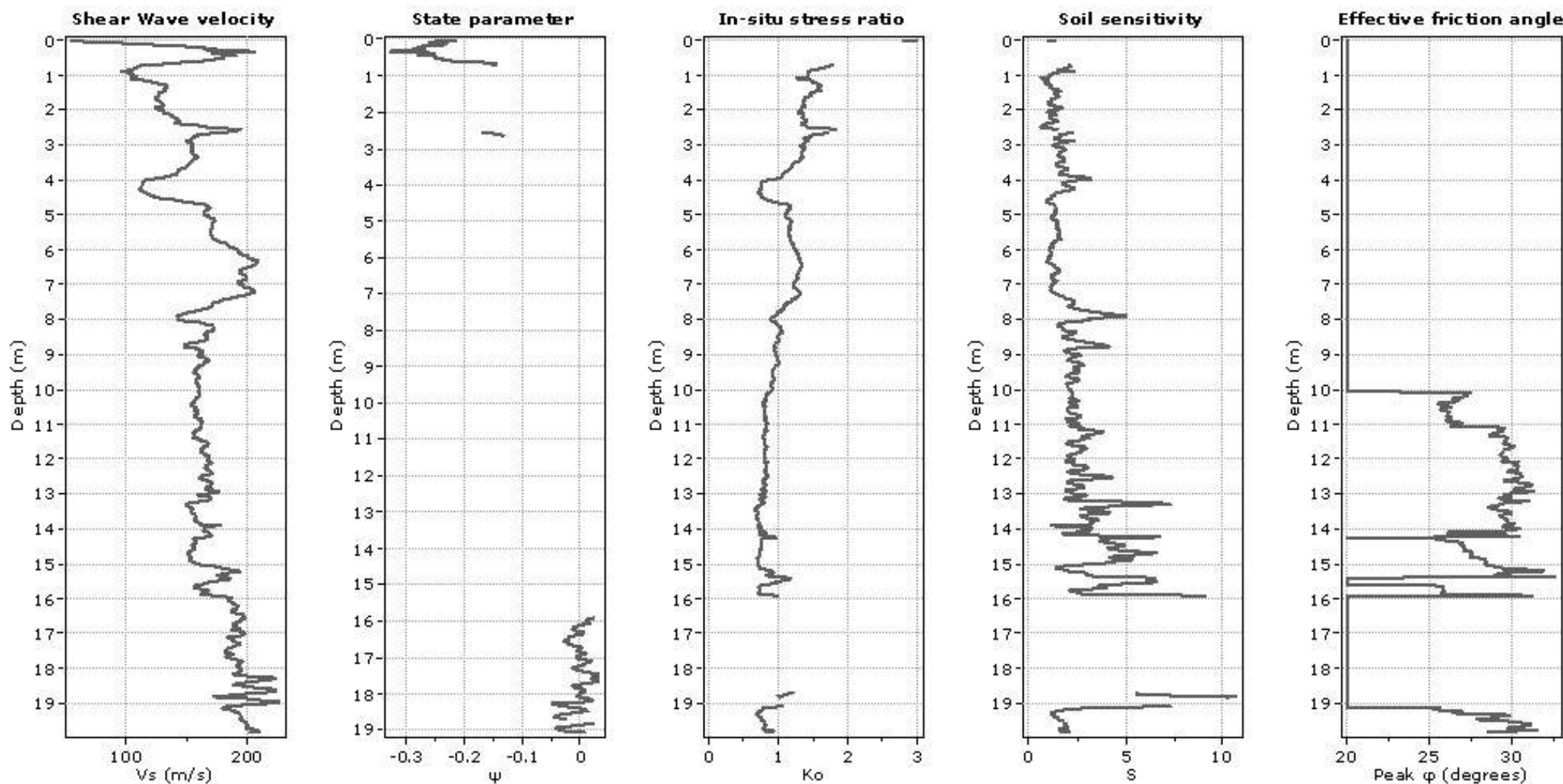
OCR factor for clays, N_{kt} : 0.33

—●— User defined estimation data

—●— Flat Dilatometer Test data

Project:

Location:



Calculation parameters

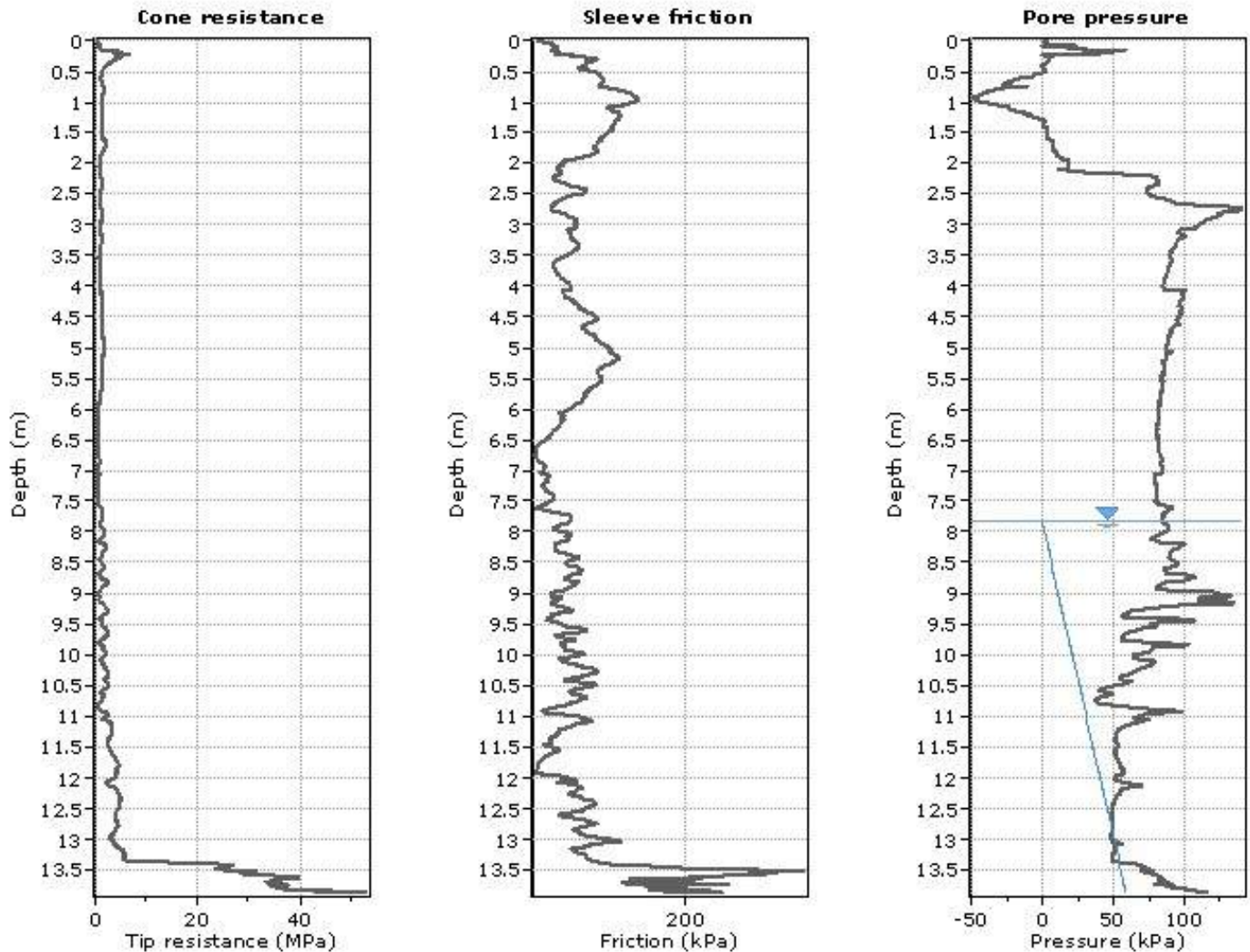
Soil Sensitivity factor, N_s : 7.00

—●— User defined estimation data

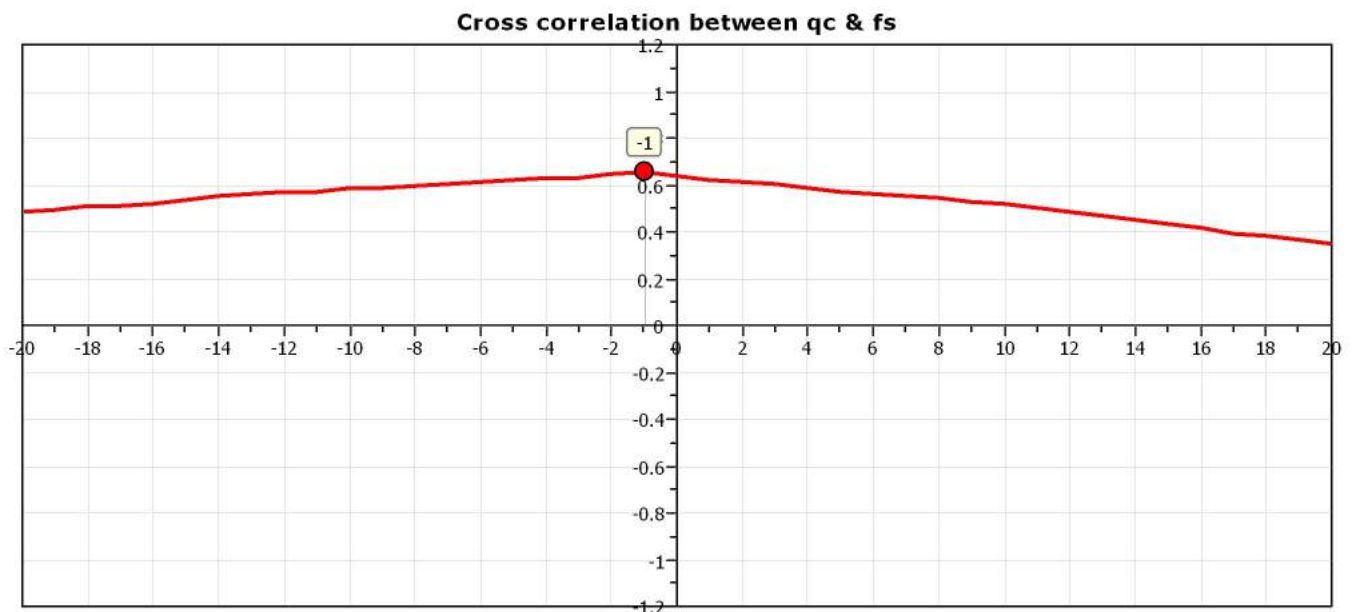
034033P204

Project:

Location:



The plot below presents the cross correlation coefficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two successive CPT measurements).

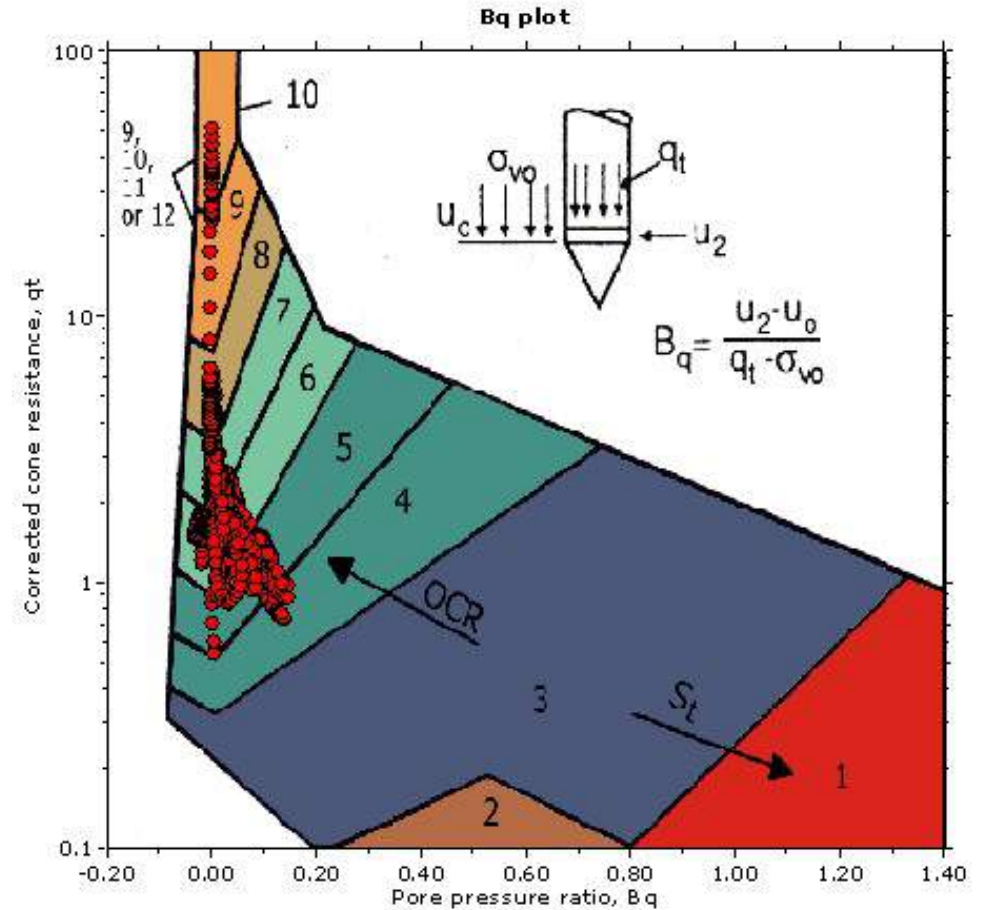
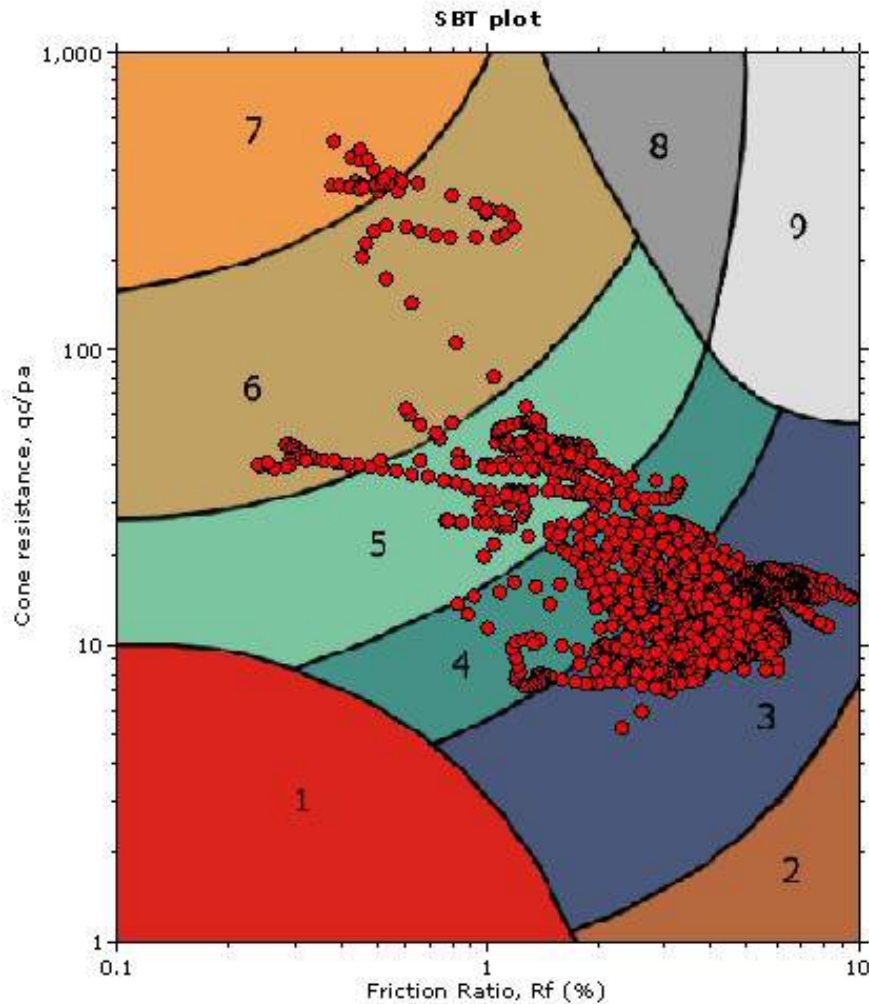


Project:
Location:

CPT: CPT-02 INT

Total depth: 13.87 m, Date: 05/12/2019
Surface Elevation: 0.00 m
Coords: X:0.00, Y:0.00
Cone Type: Unknown
Cone Operator: Unknown

SBT - Bq plots



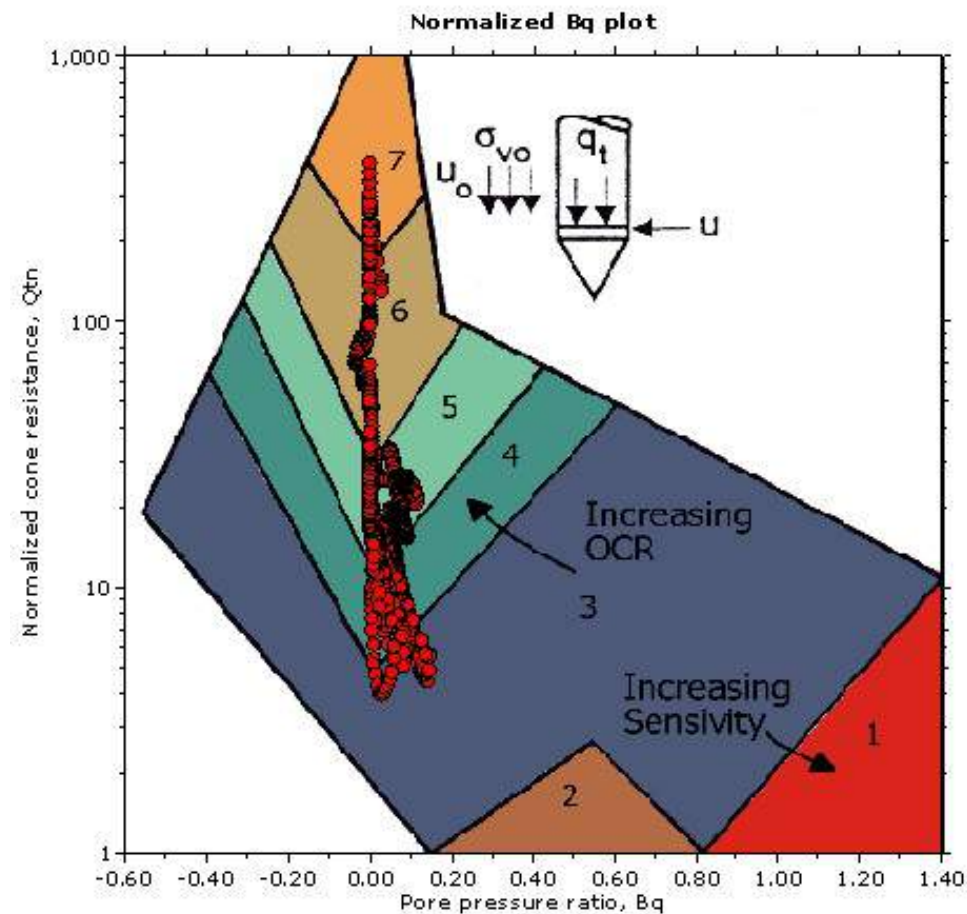
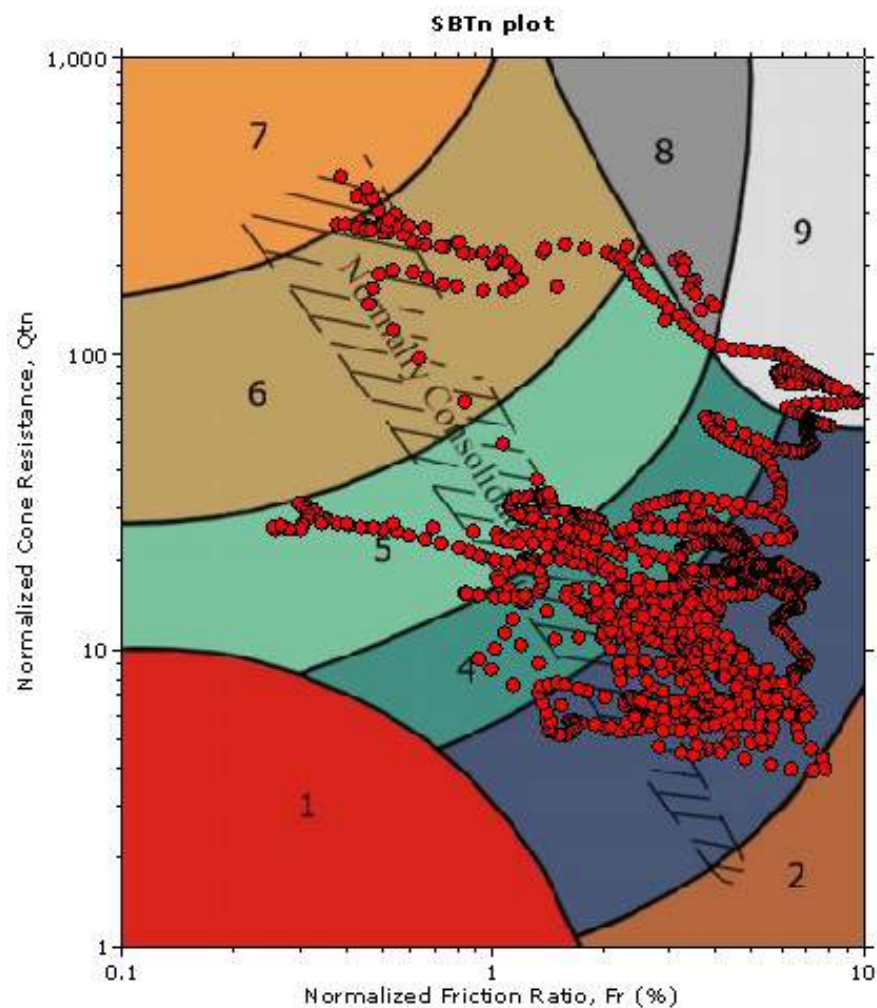
SBT legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

Project:

Location:

SBT - Bq plots (normalized)



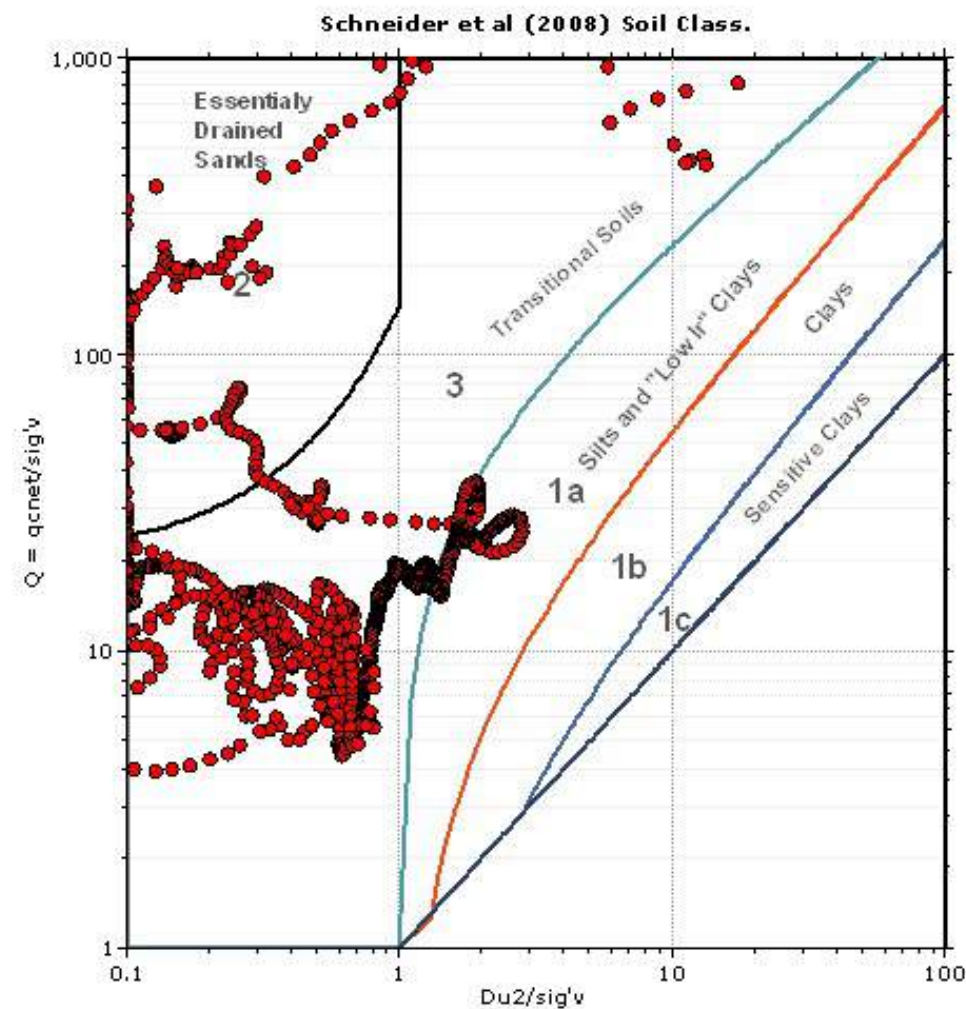
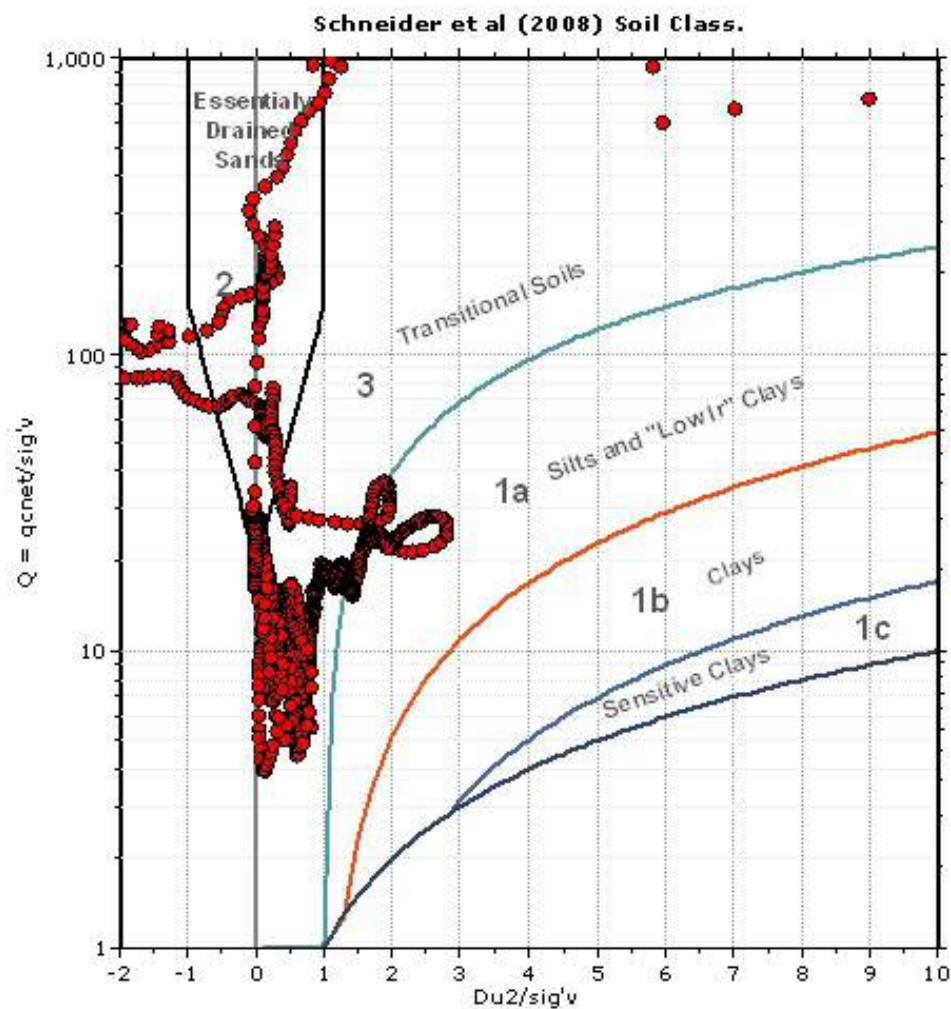
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

Project:

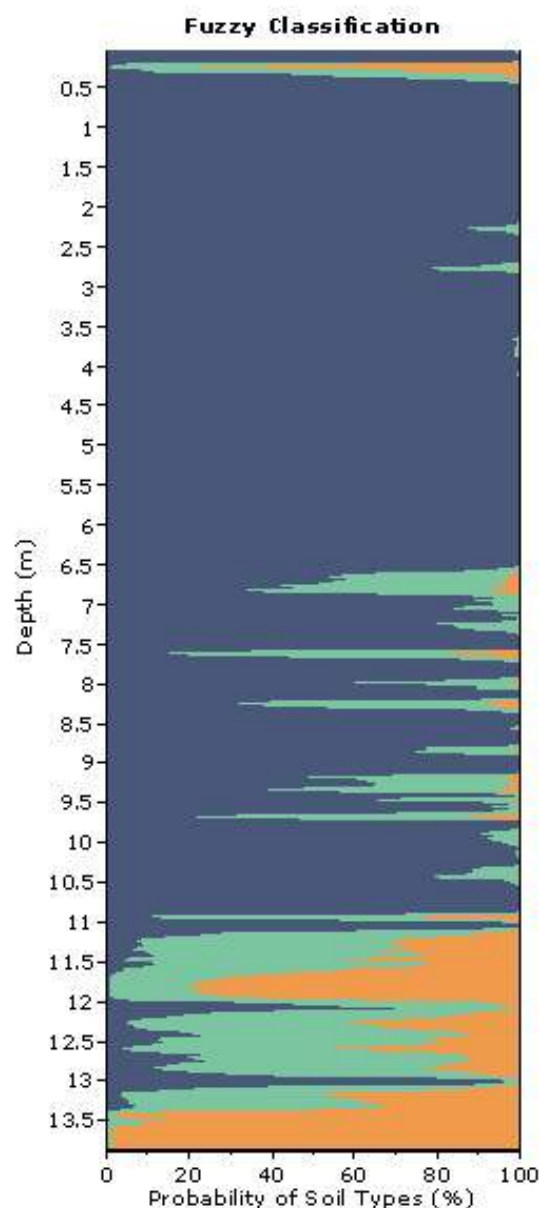
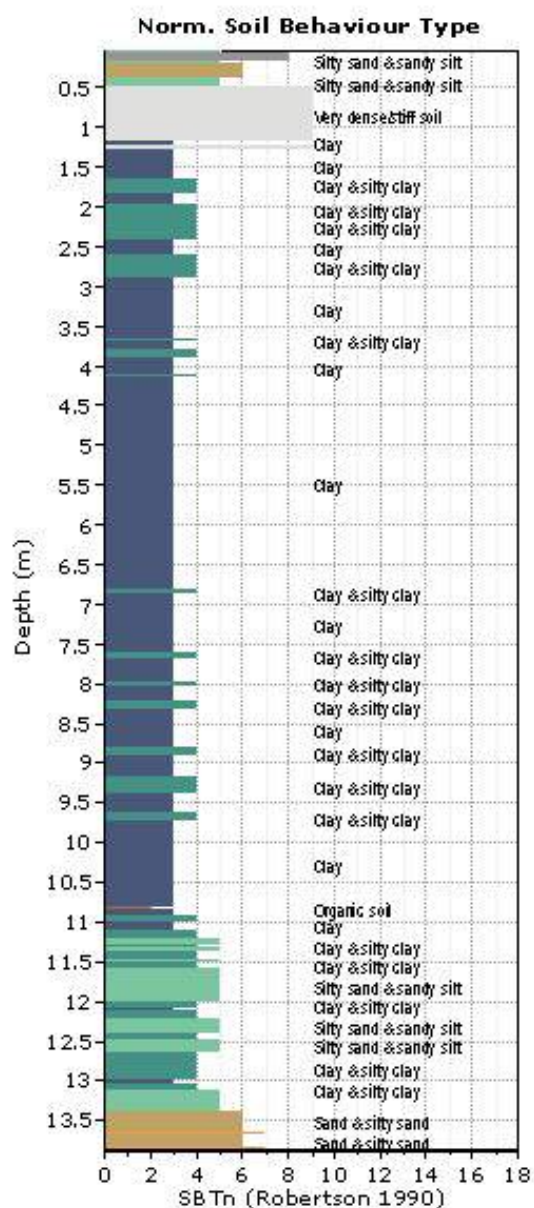
Location:

Bq plots (Schneider)



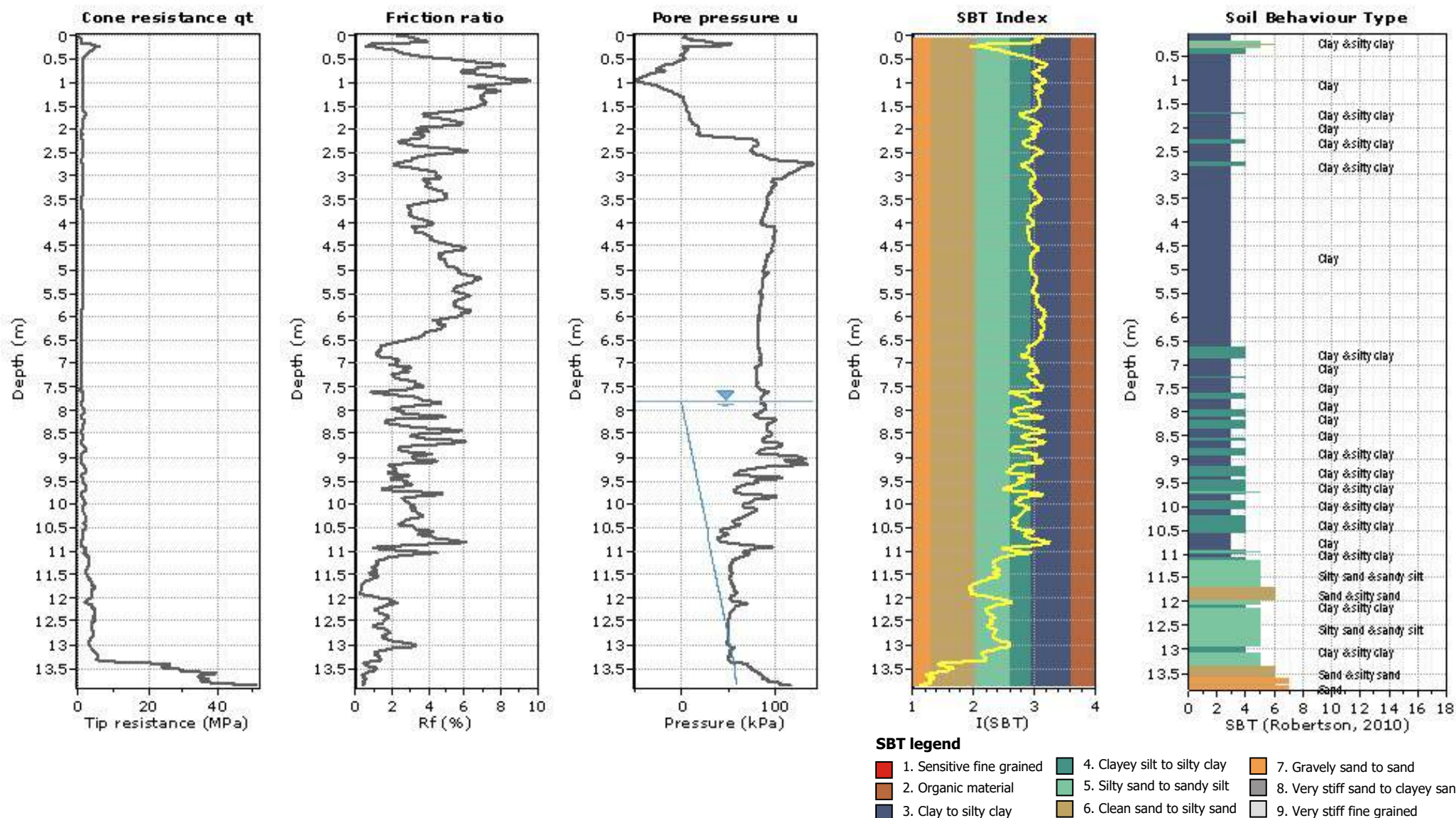
Project:

Location:



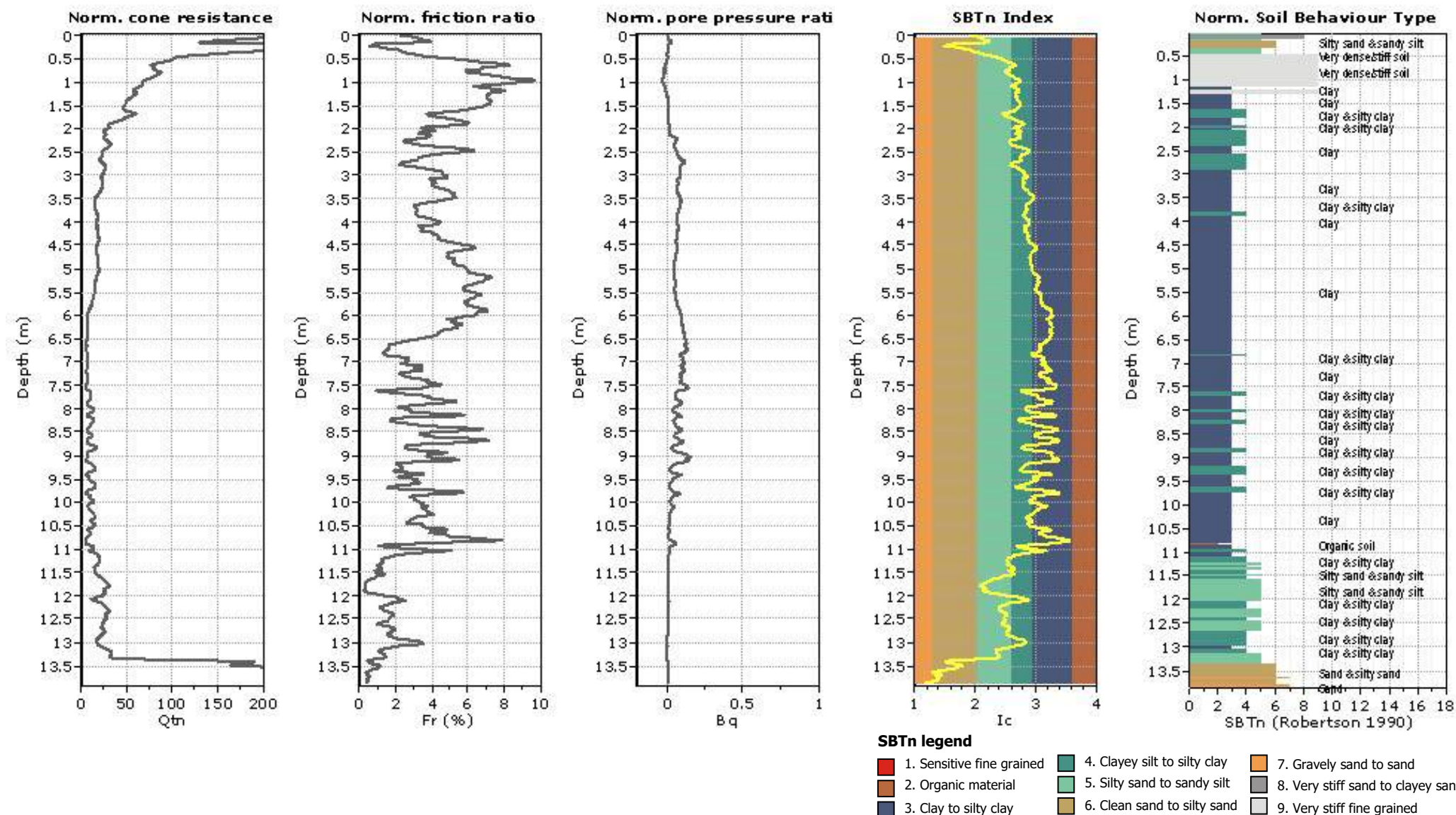
Project:

Location:



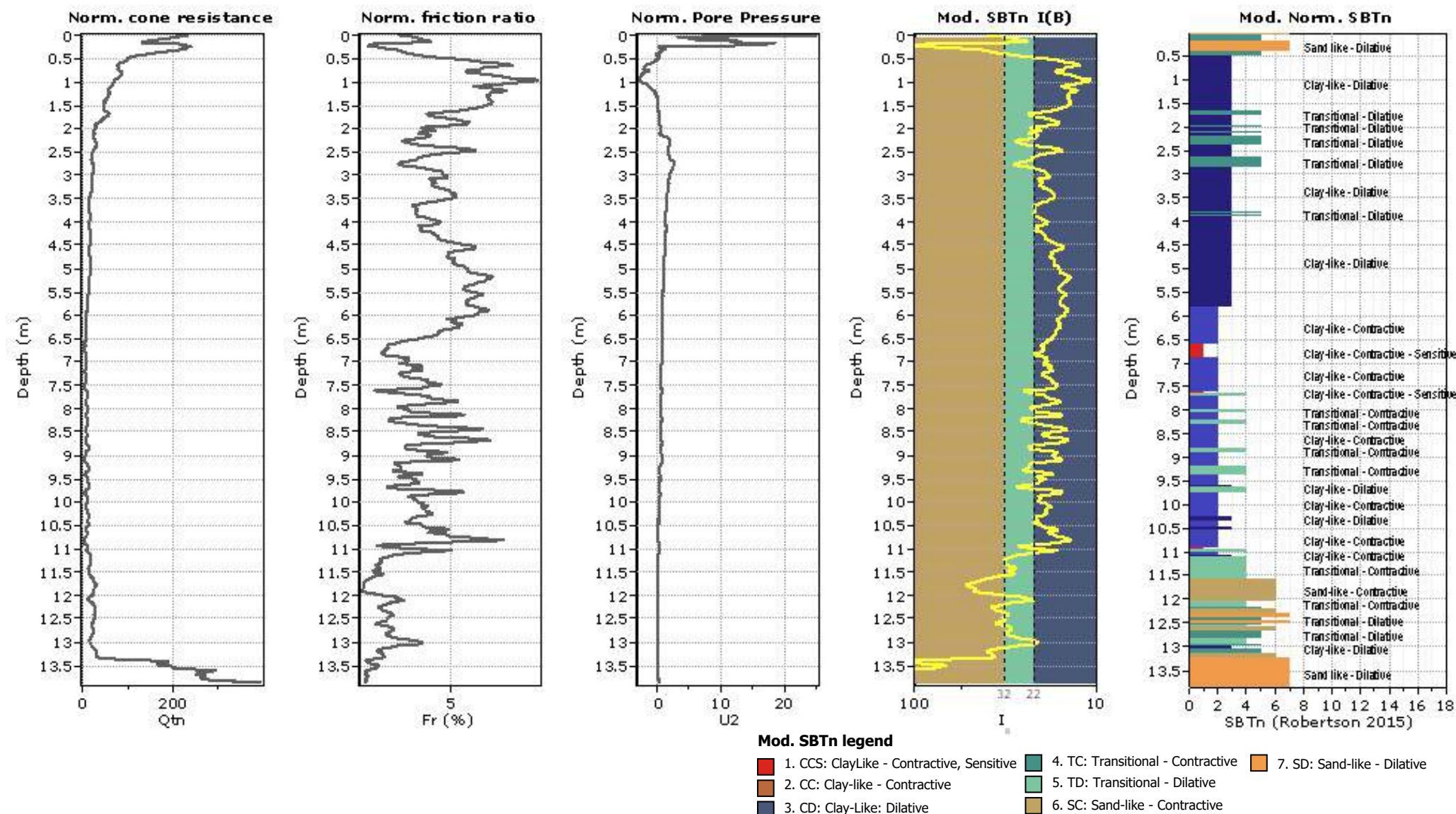
Project:

Location:



Project:

Location:



Project:

Location:

CPT: CPT-02 INT

Total depth: 13.87 m, Date: 05/12/2019

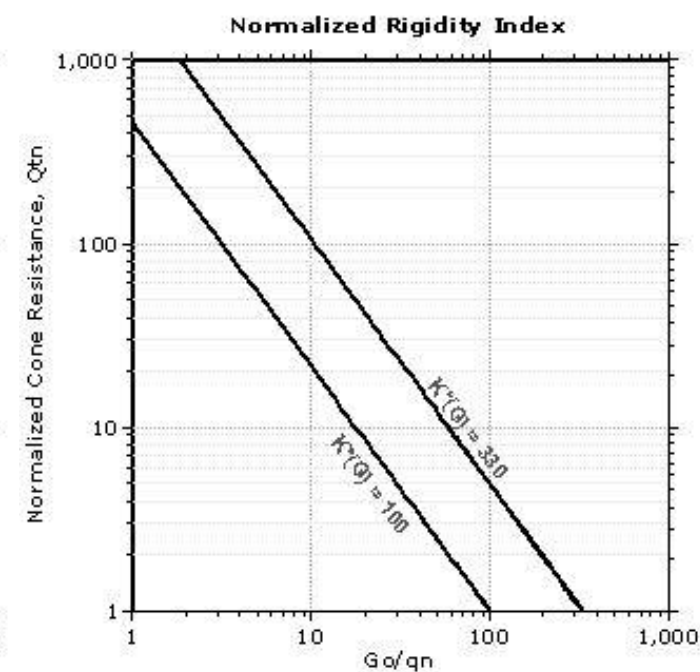
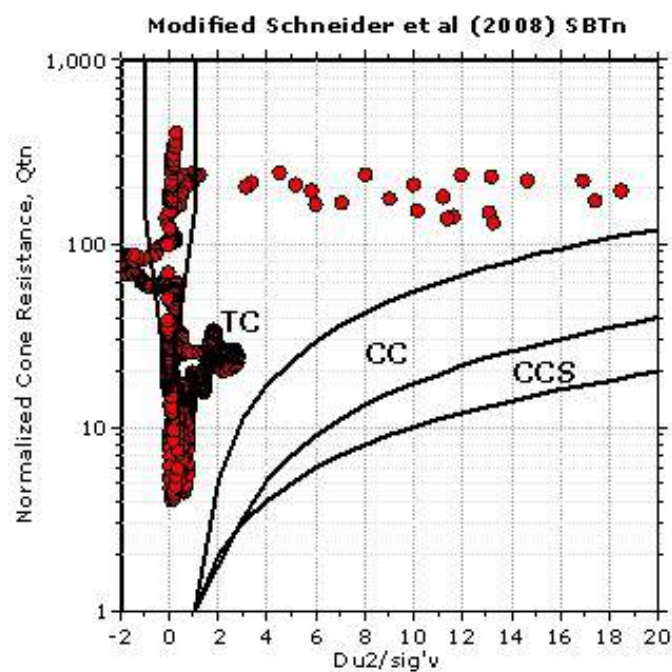
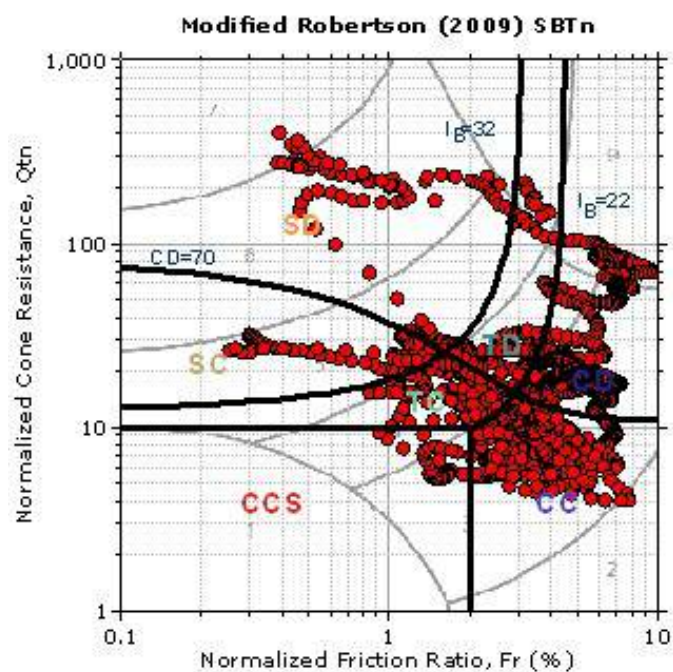
Surface Elevation: 0.00 m

Coords: X:0.00, Y:0.00

Cone Type: Unknown

Cone Operator: Unknown

Updated SBTn plots



CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

Project:

Location:

CPT: CPT-02 INT

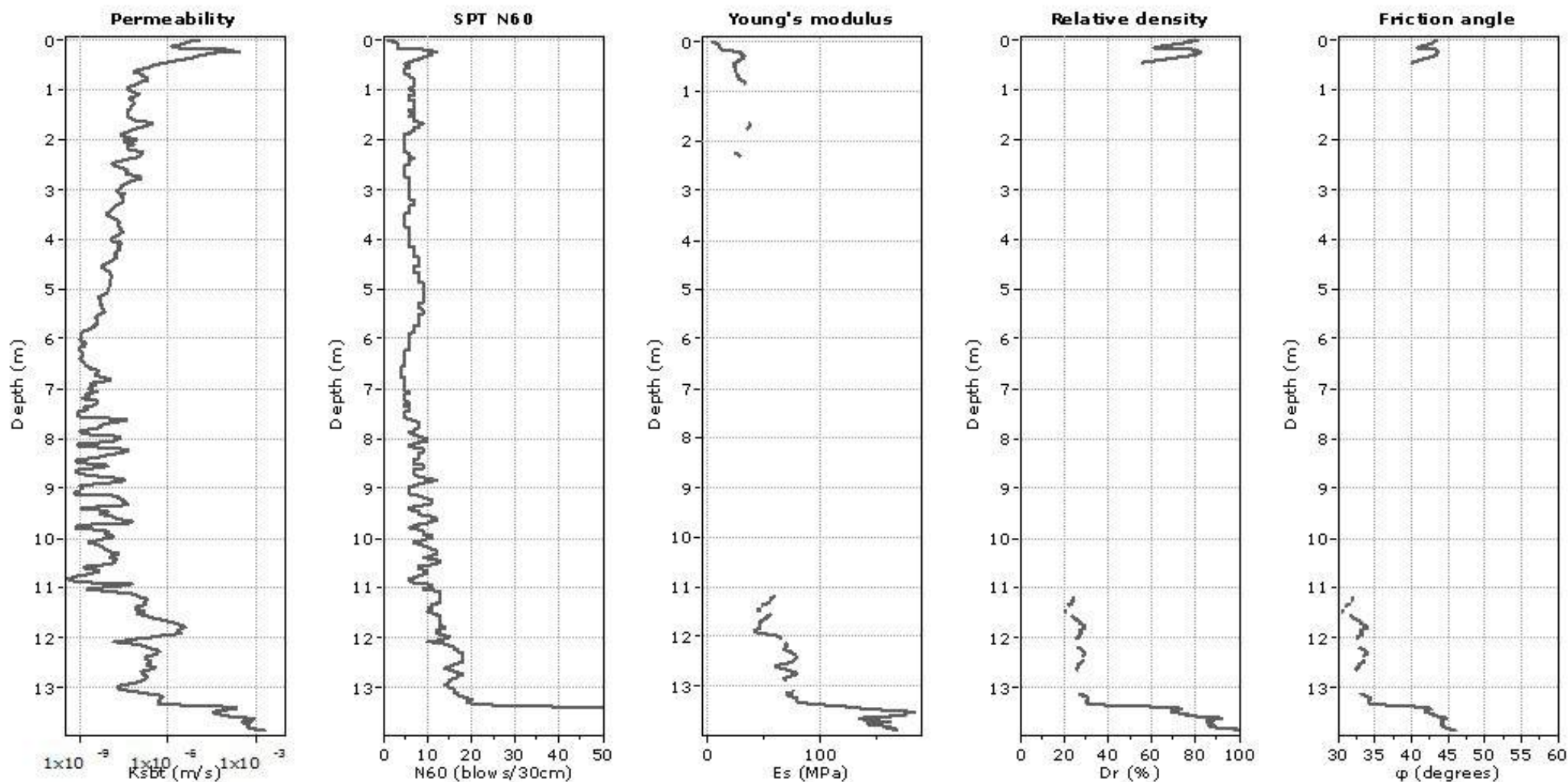
Total depth: 13.87 m, Date: 05/12/2019

Surface Elevation: 0.00 m

Coords: X:0.00, Y:0.00

Cone Type: Unknown

Cone Operator: Unknown



Calculation parameters

Permeability: Based on SBT_n

SPT N_{60} : Based on I_c and q_t

Young's modulus: Based on variable alpha using I_c (Robertson, 2009)

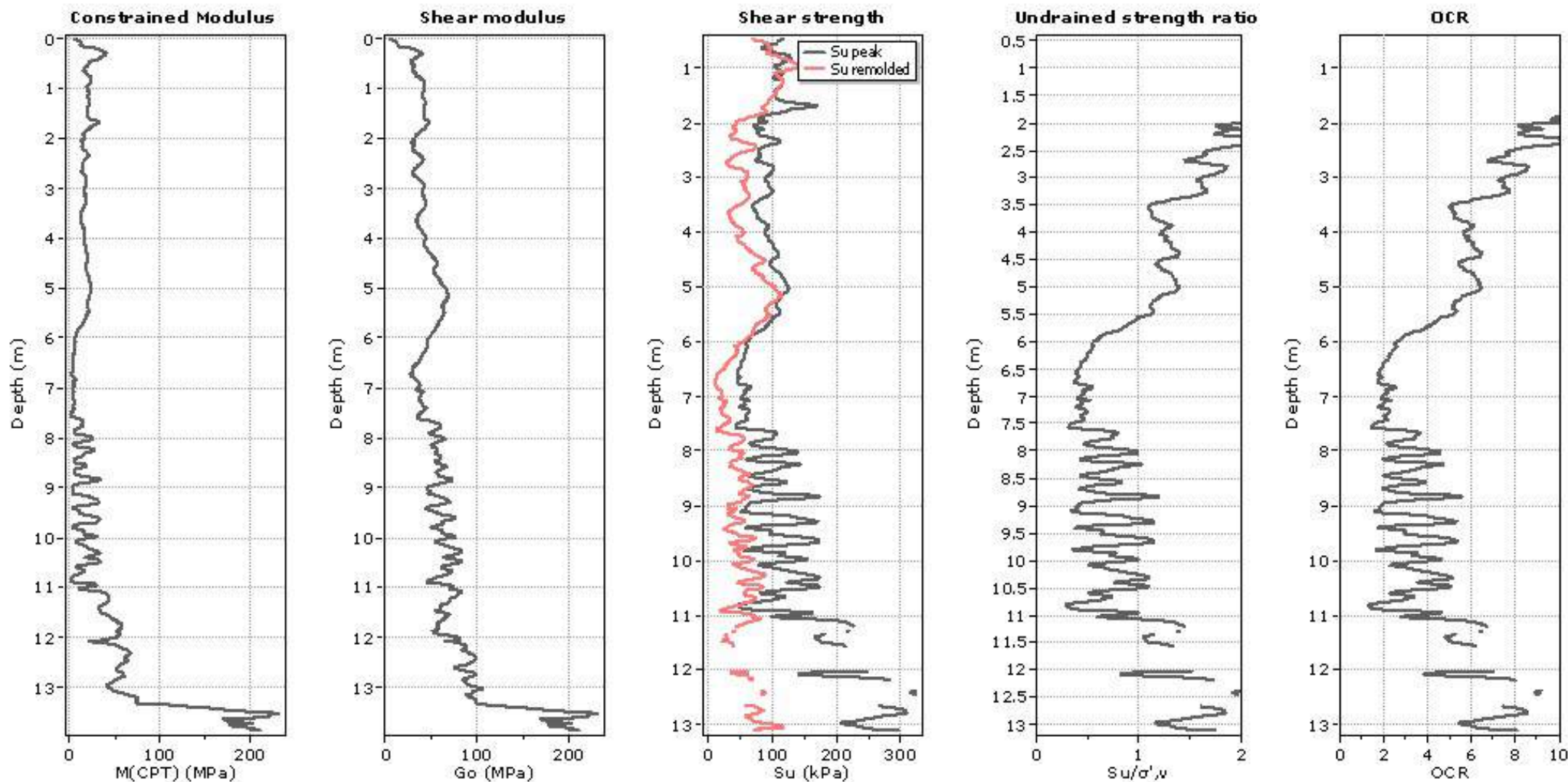
Relative density constant, C_{Dr} : 350.0

Phi: Based on Kulhavy & Mayne (1990)

—●— User defined estimation data

Project:

Location:



Calculation parameters

Constrained modulus: Based on variable α using I_c and Q_{tm} (Robertson, 2009)

Go: Based on variable α using I_c (Robertson, 2009)

Undrained shear strength cone factor for clays, N_{kt} : 14

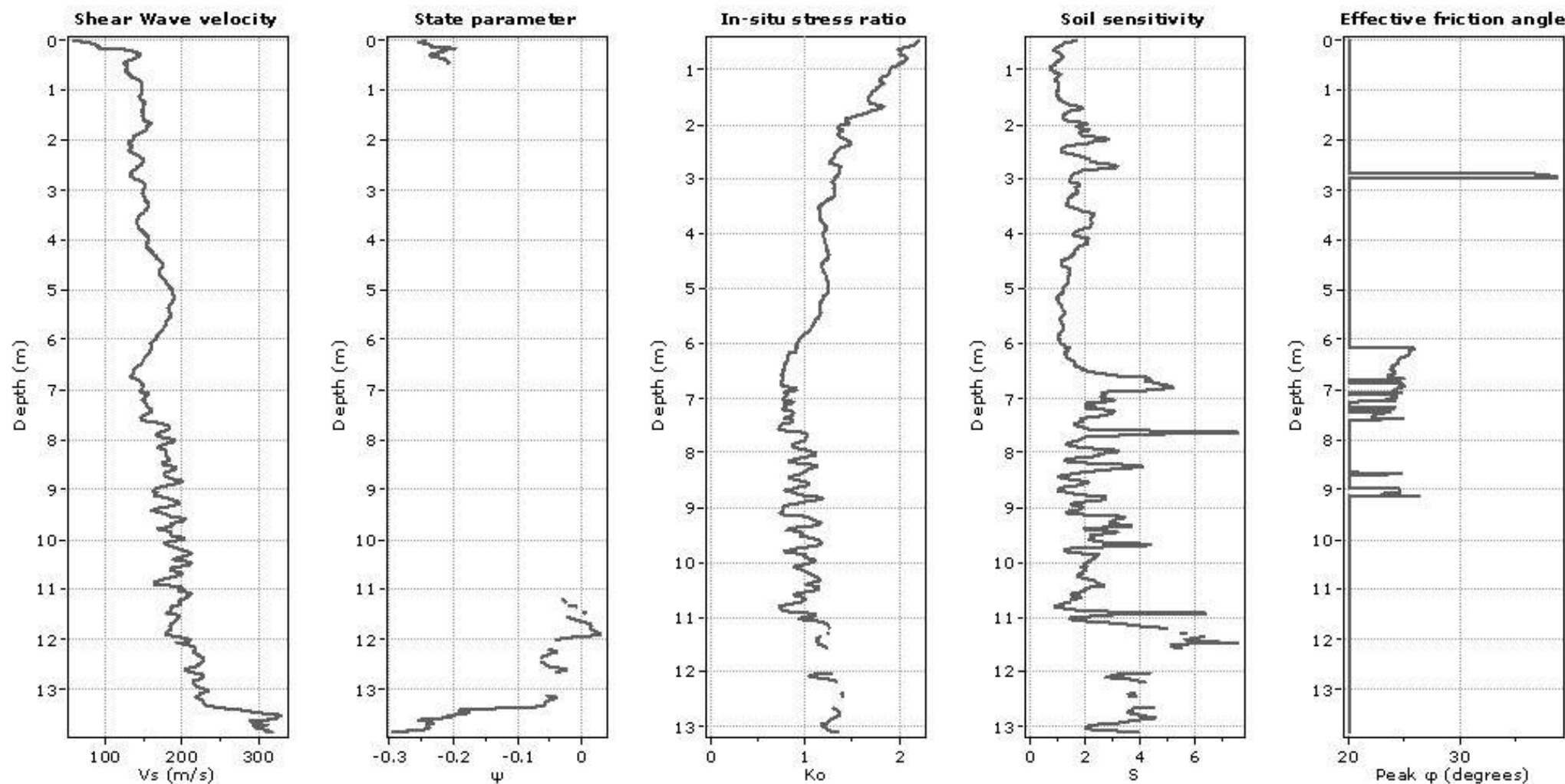
OCR factor for clays, N_{kt} : 0.33

—●— User defined estimation data

—●— Flat Dilatometer Test data

Project:

Location:



Calculation parameters

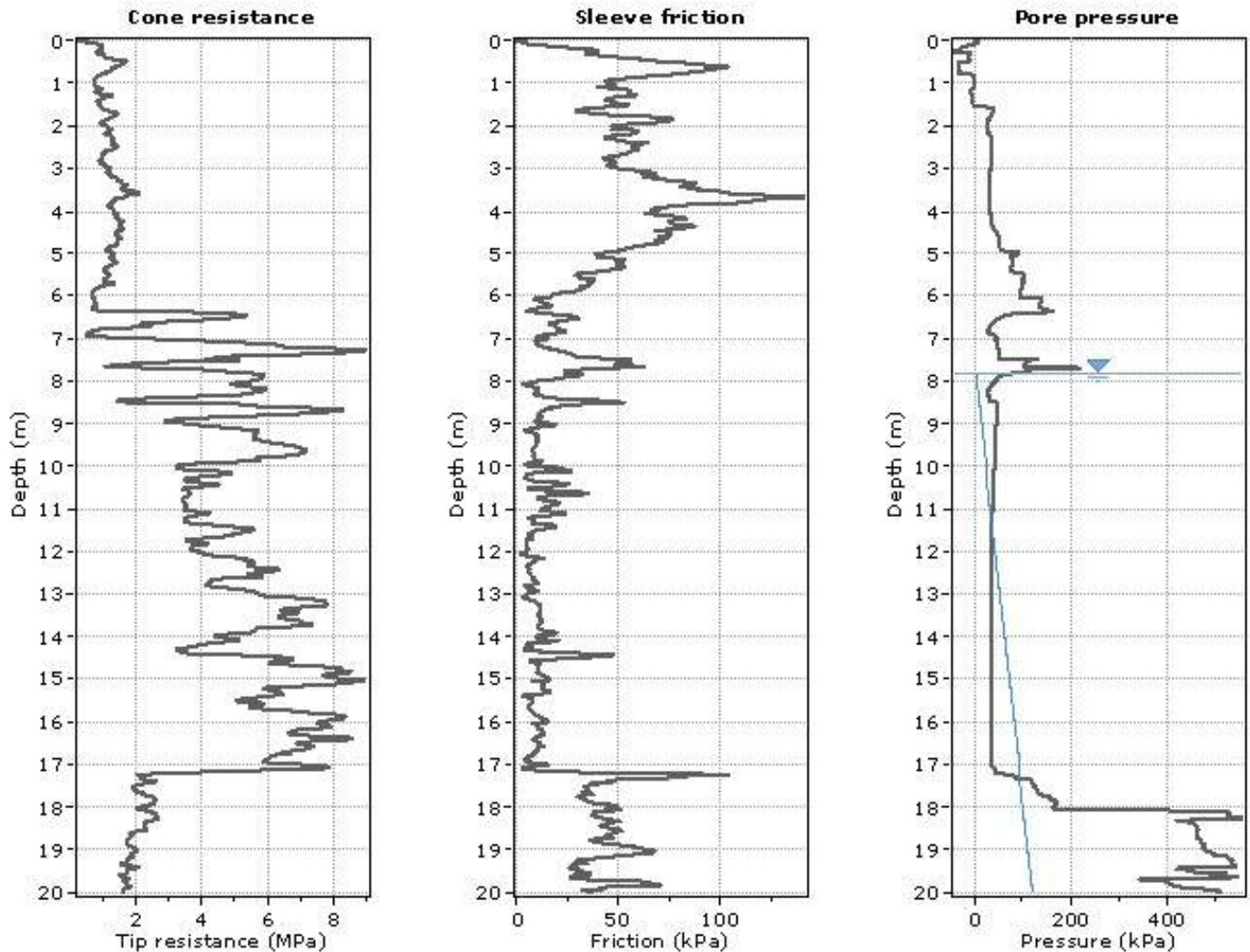
Soil Sensitivity factor, N_s : 7.00

—●— User defined estimation data

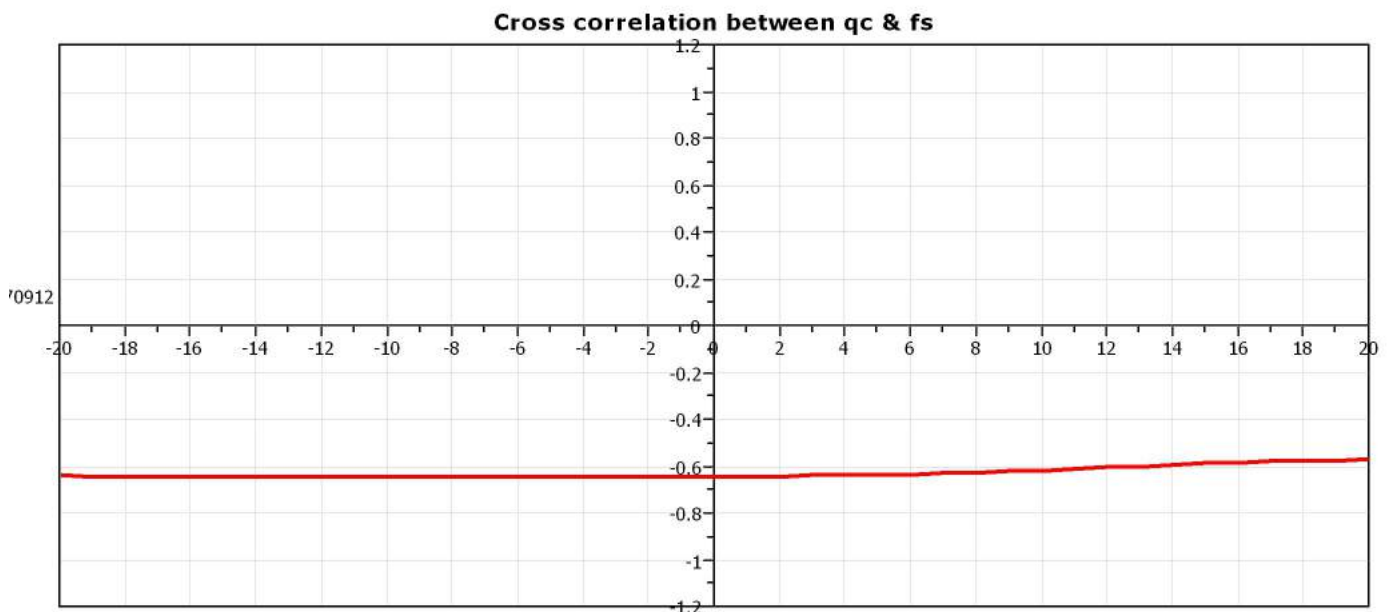
034033P205

Project:

Location:



The plot below presents the cross correlation coefficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two successive CPT measurements).



Project:

Location:

CPT: CPT-03 INT

Total depth: 20.02 m, Date: 06/12/2019

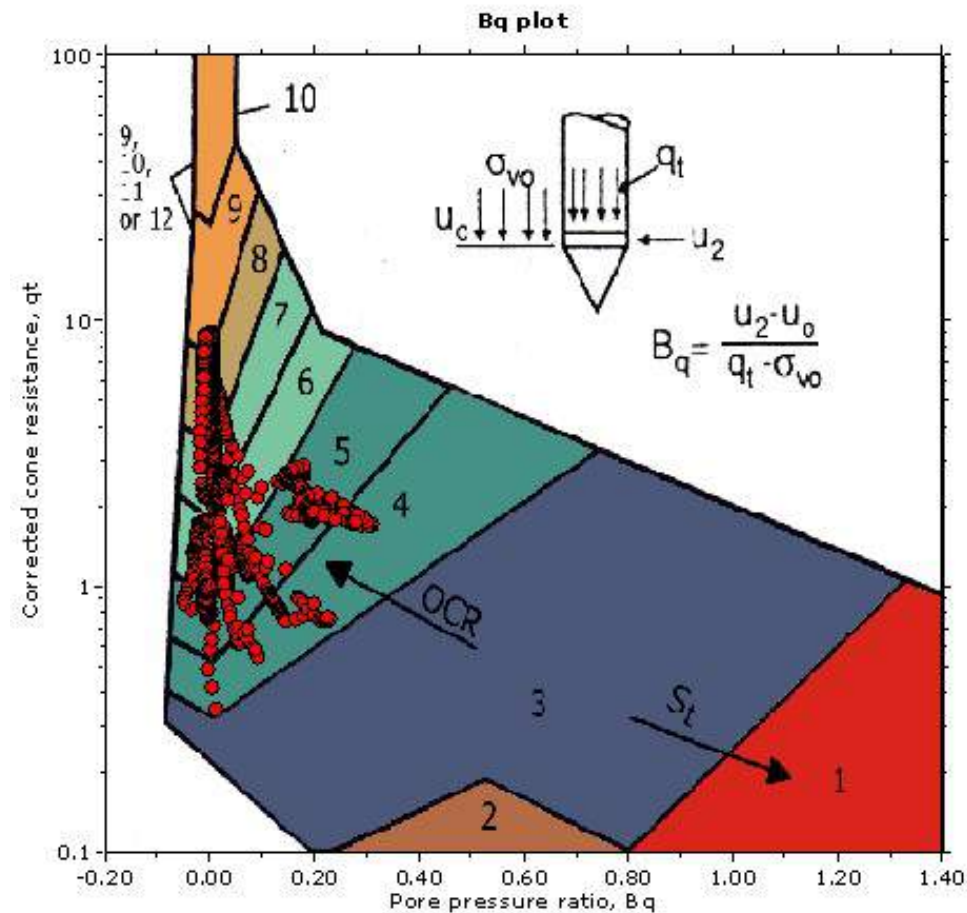
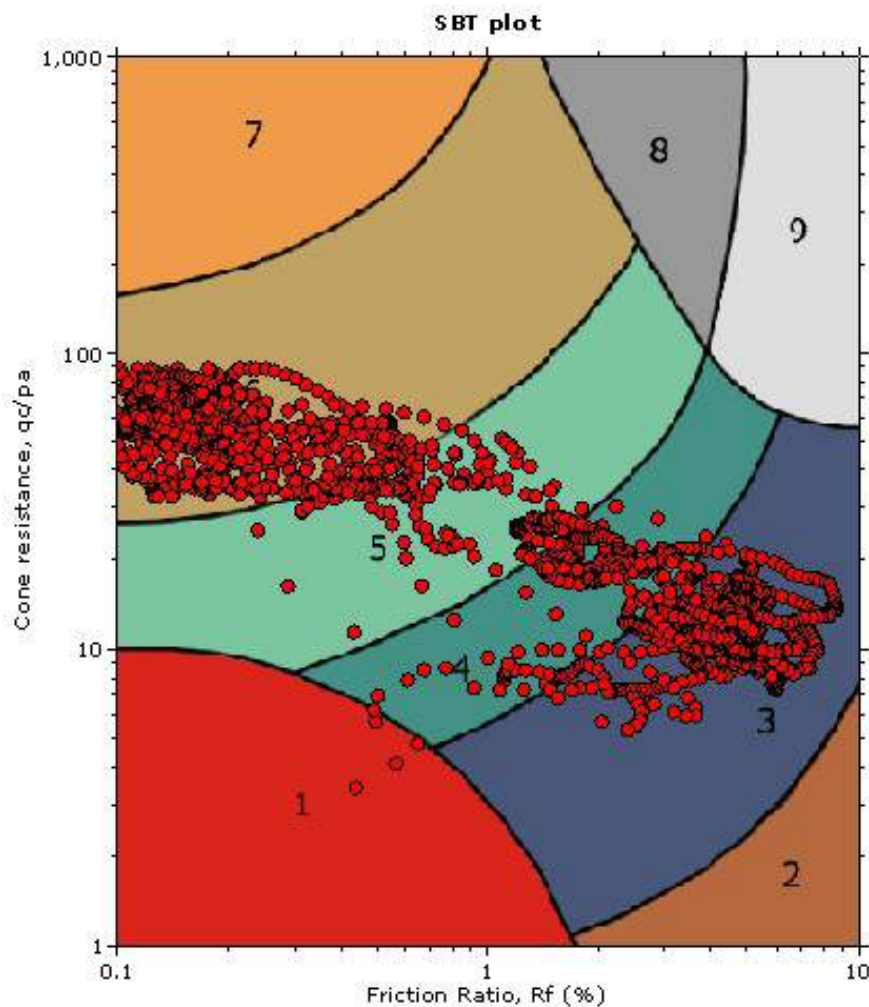
Surface Elevation: 0.00 m

Coords: X:0.00, Y:0.00

Cone Type: Unknown

Cone Operator: Unknown

SBT - Bq plots



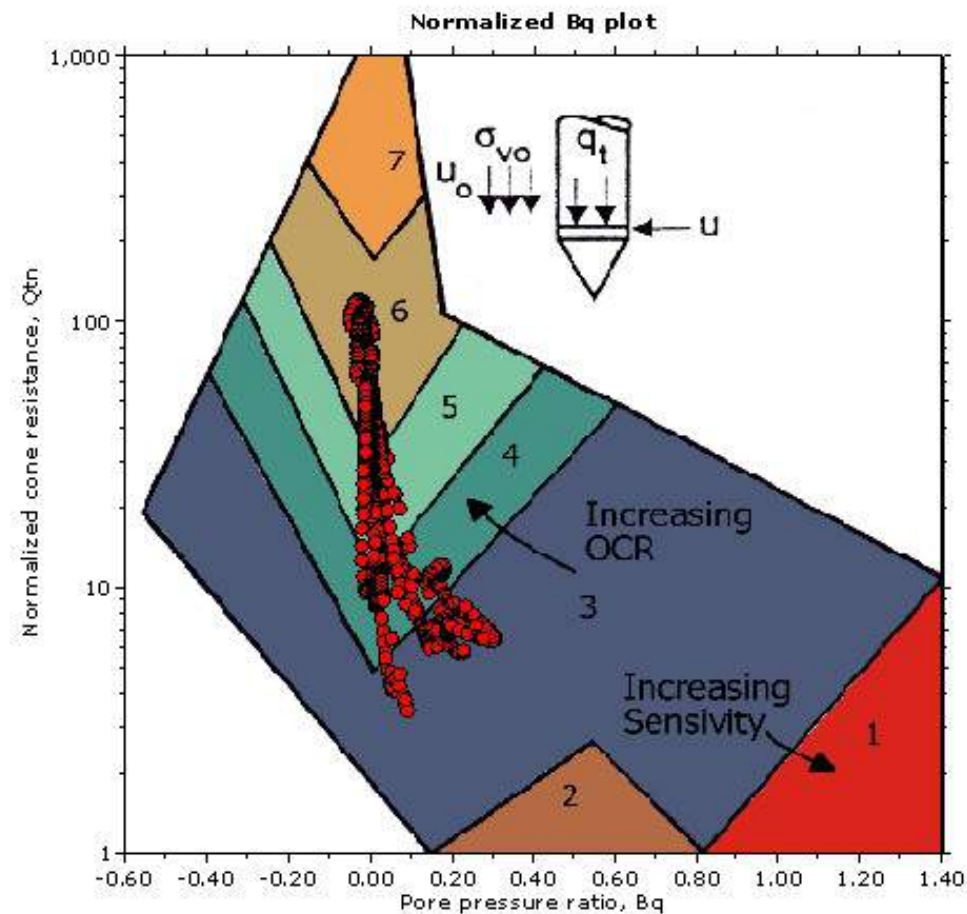
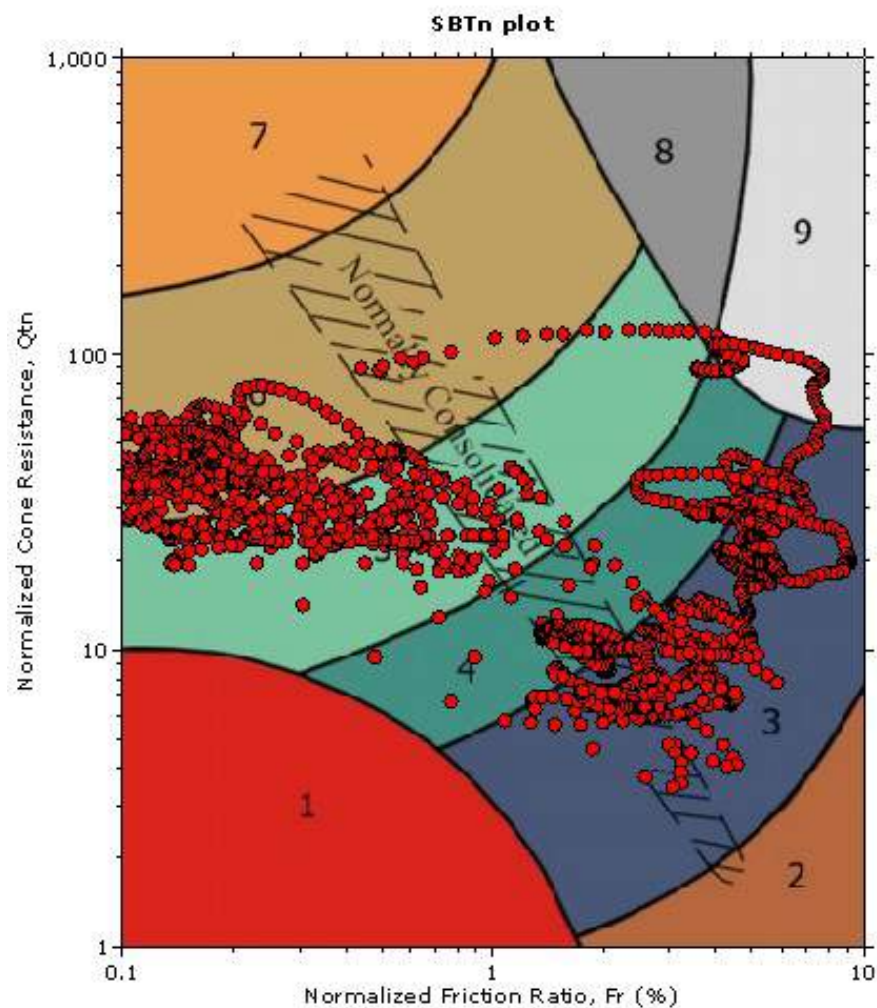
SBT legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

Project:

Location:

SBT - Bq plots (normalized)



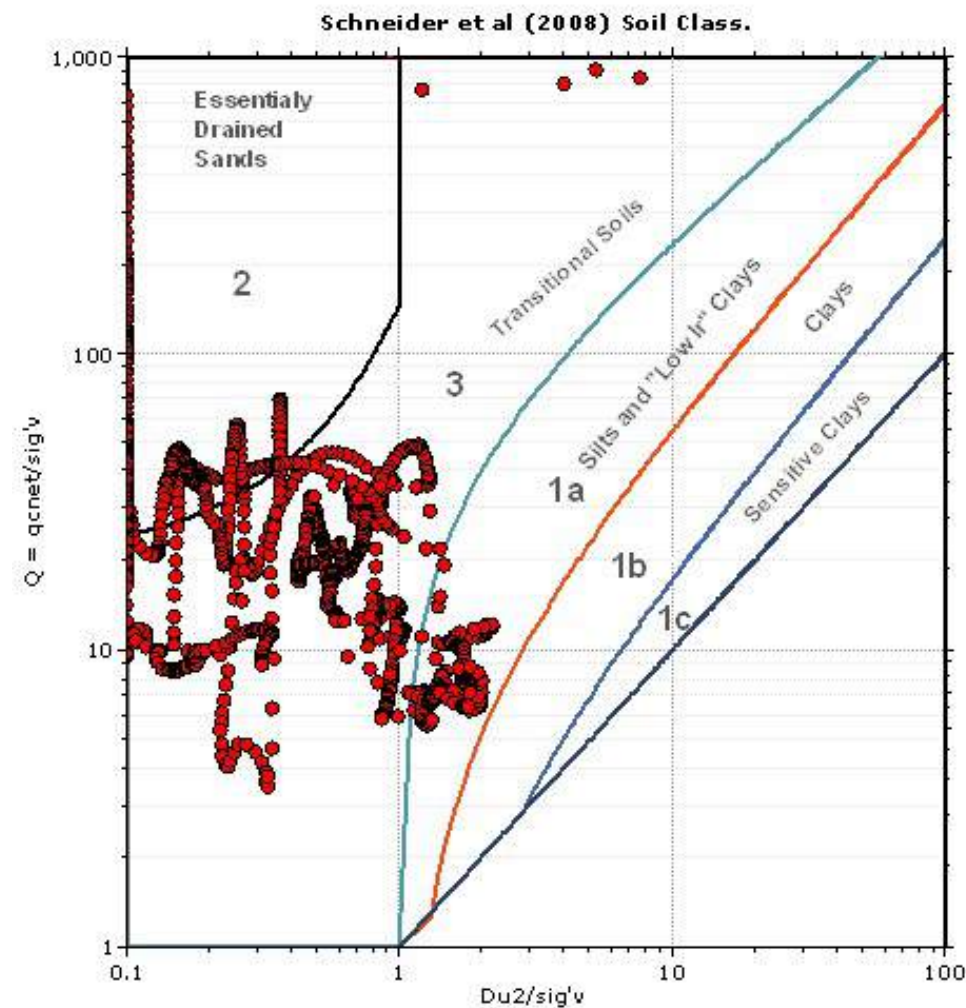
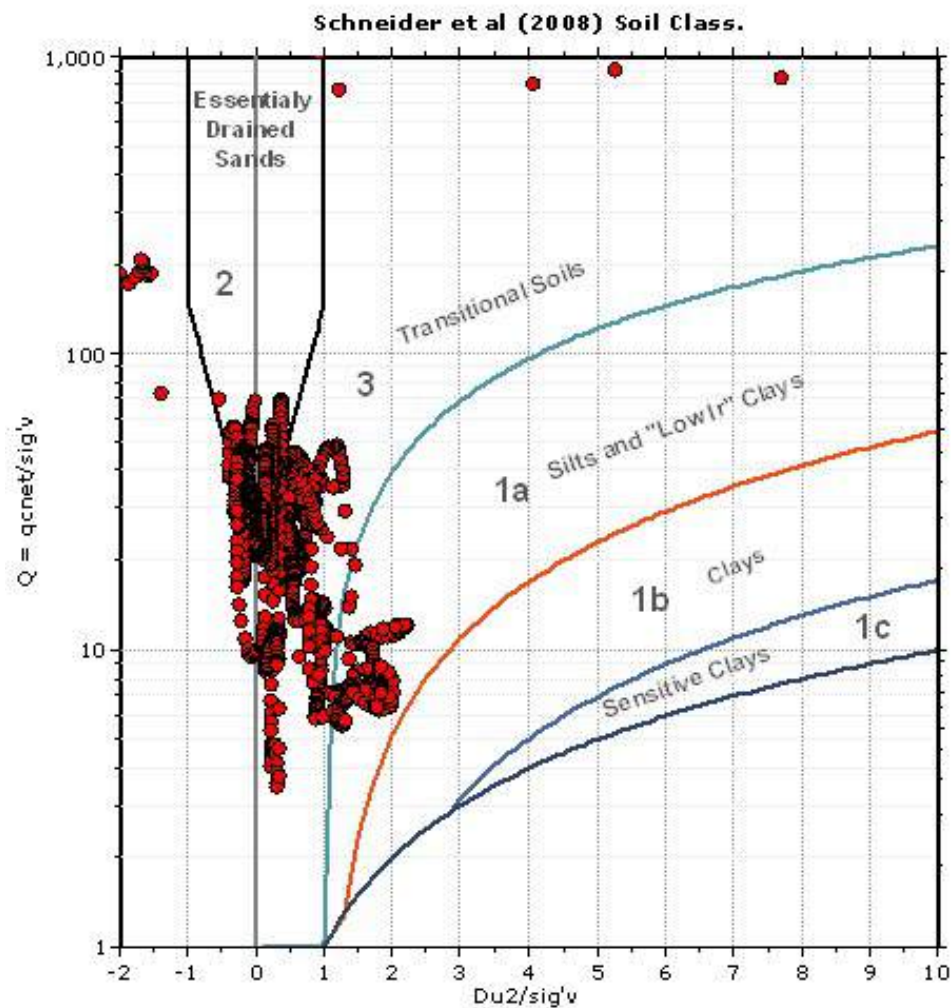
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

Project:

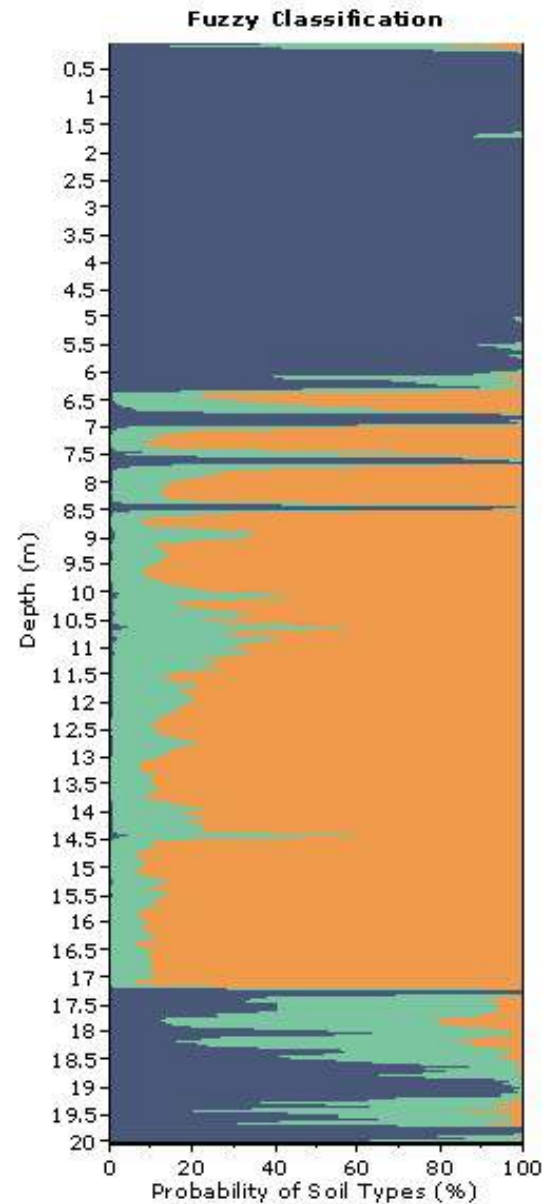
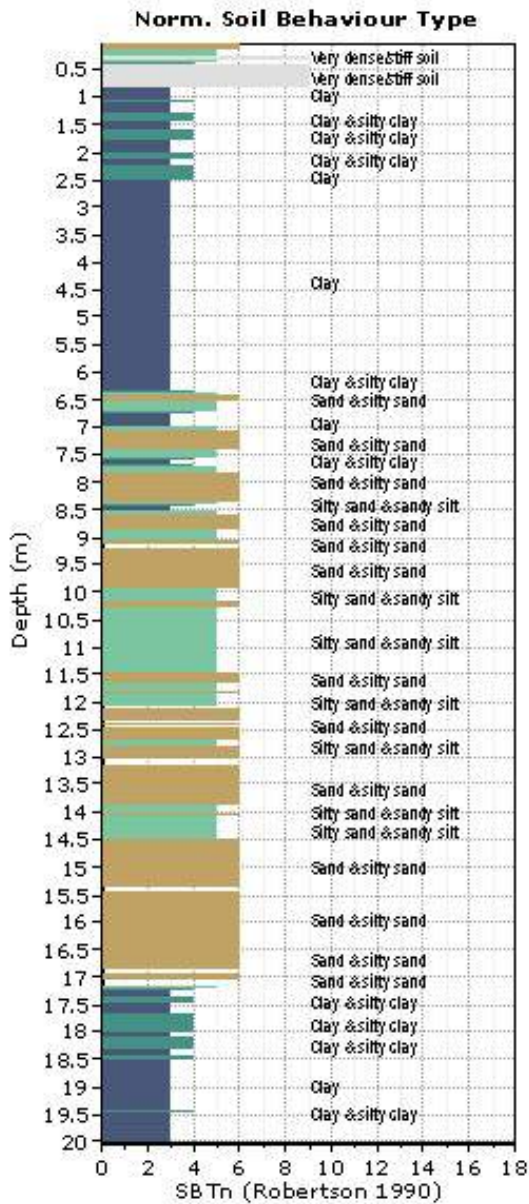
Location:

Bq plots (Schneider)



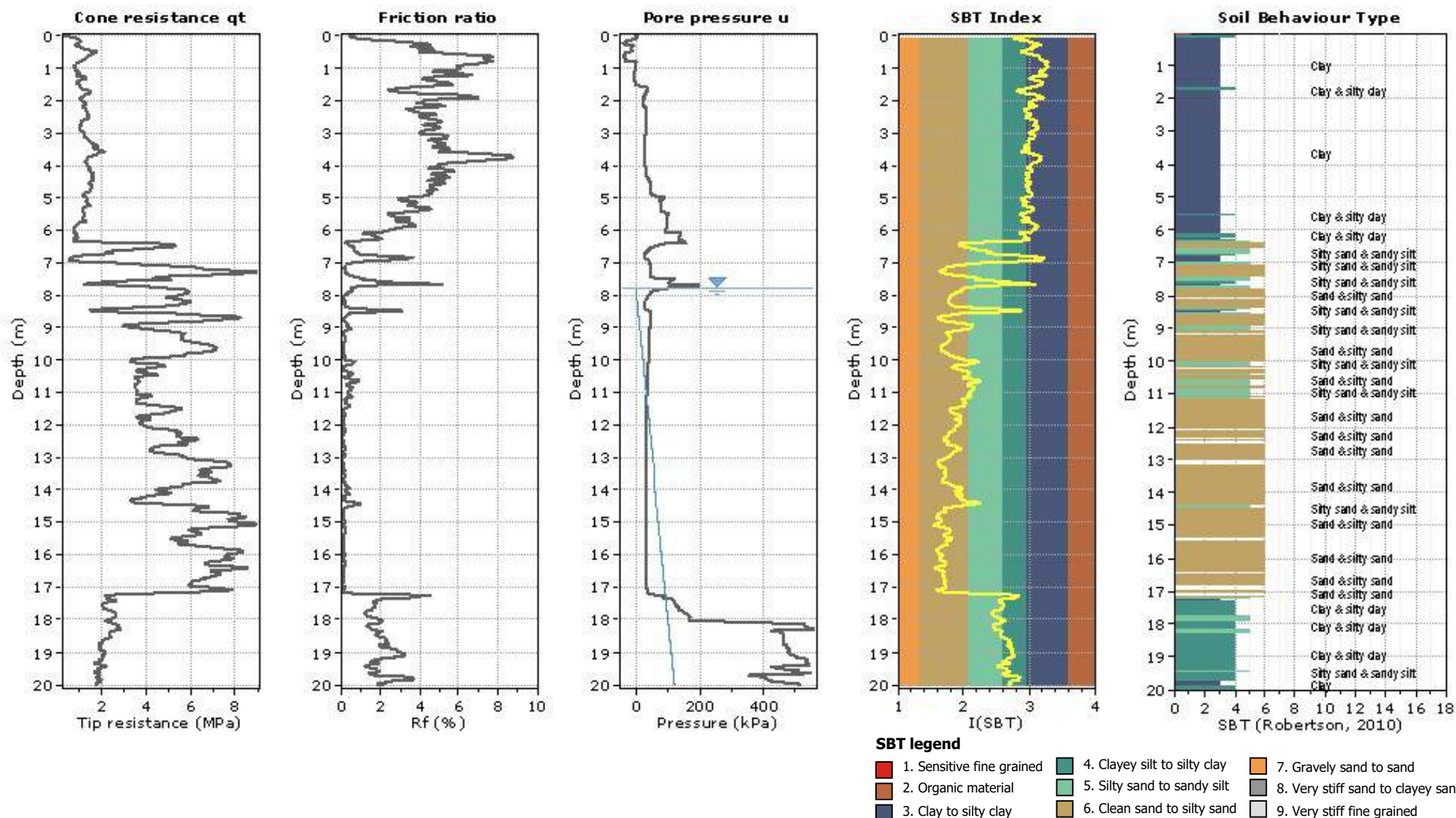
Project:

Location:



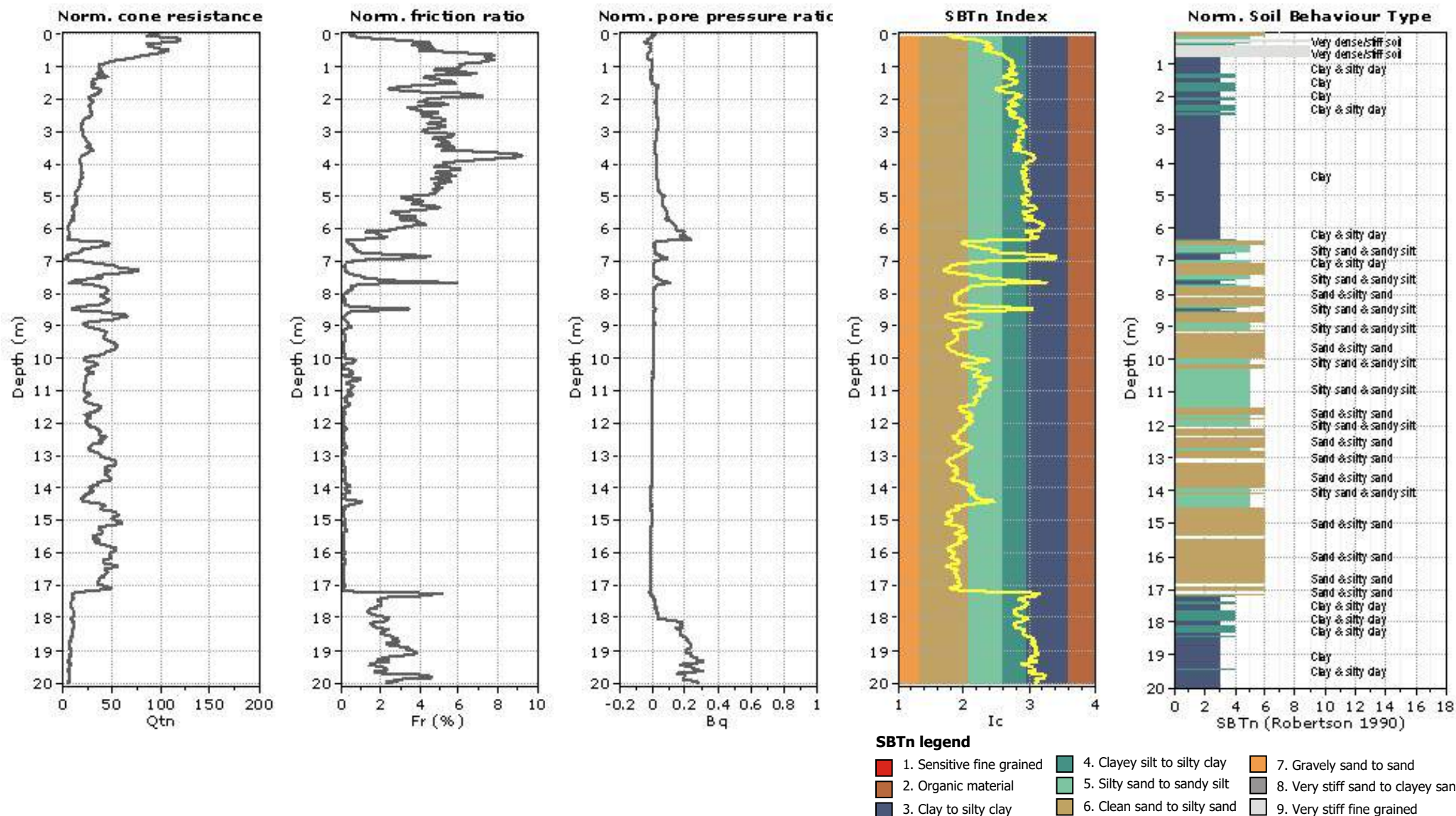
Project:

Location:



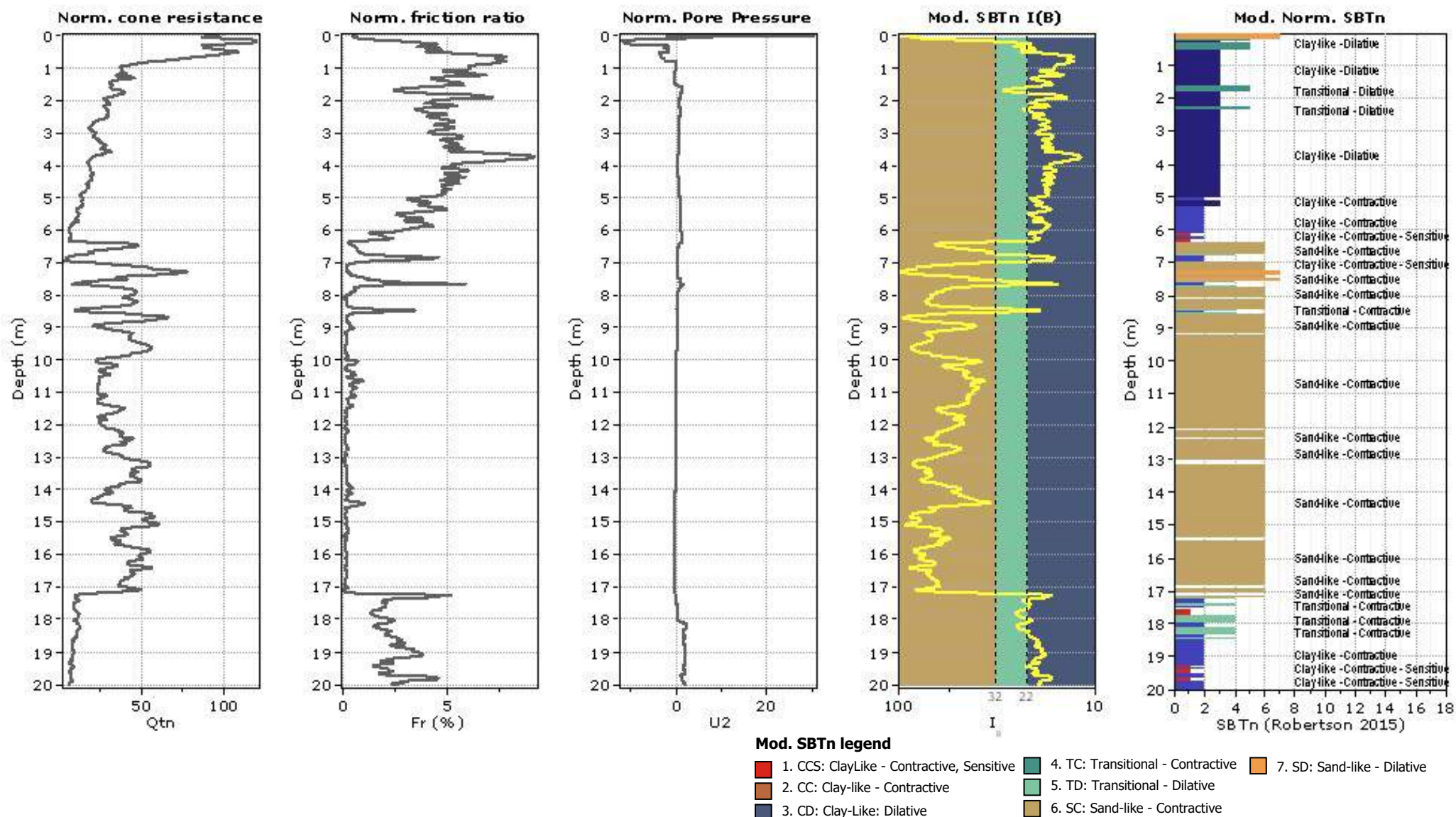
Project:

Location:



Project:

Location:



Project:

Location:

CPT: CPT-03 INT

Total depth: 20.02 m, Date: 06/12/2019

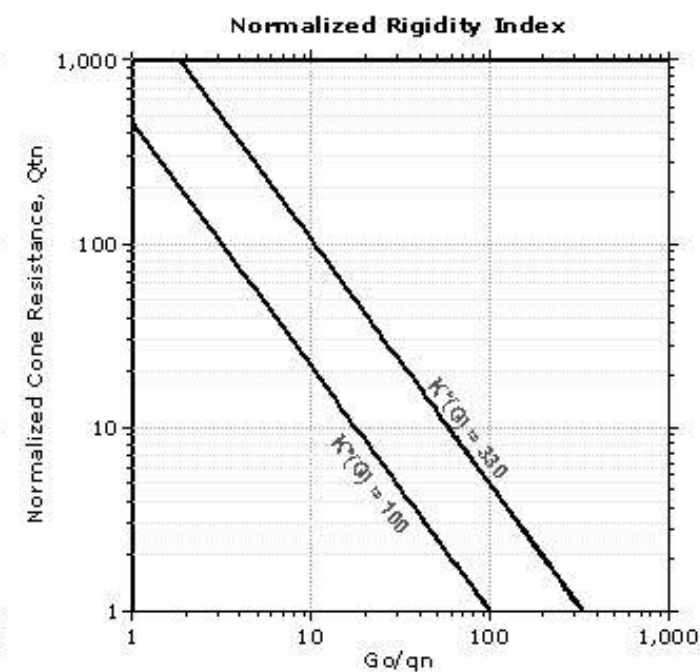
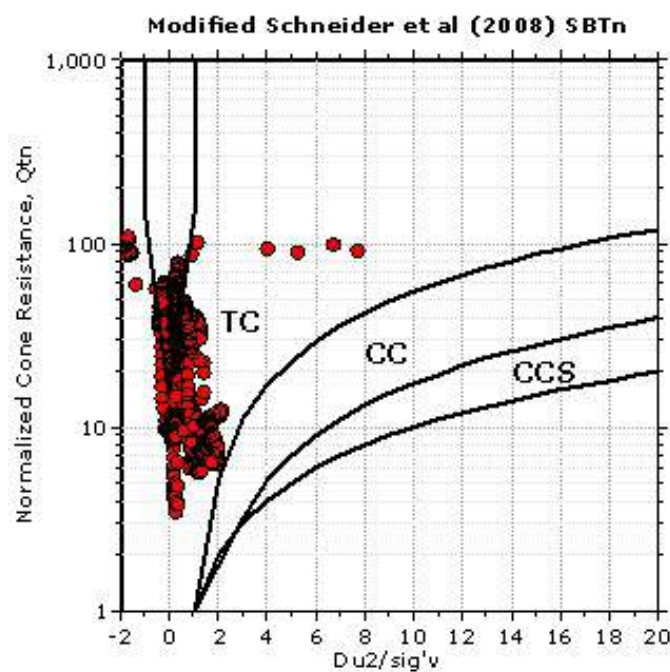
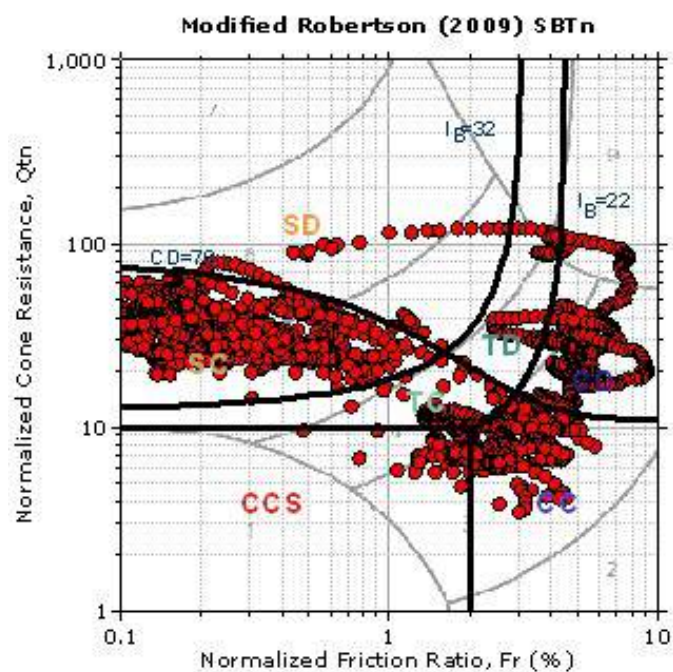
Surface Elevation: 0.00 m

Coords: X:0.00, Y:0.00

Cone Type: Unknown

Cone Operator: Unknown

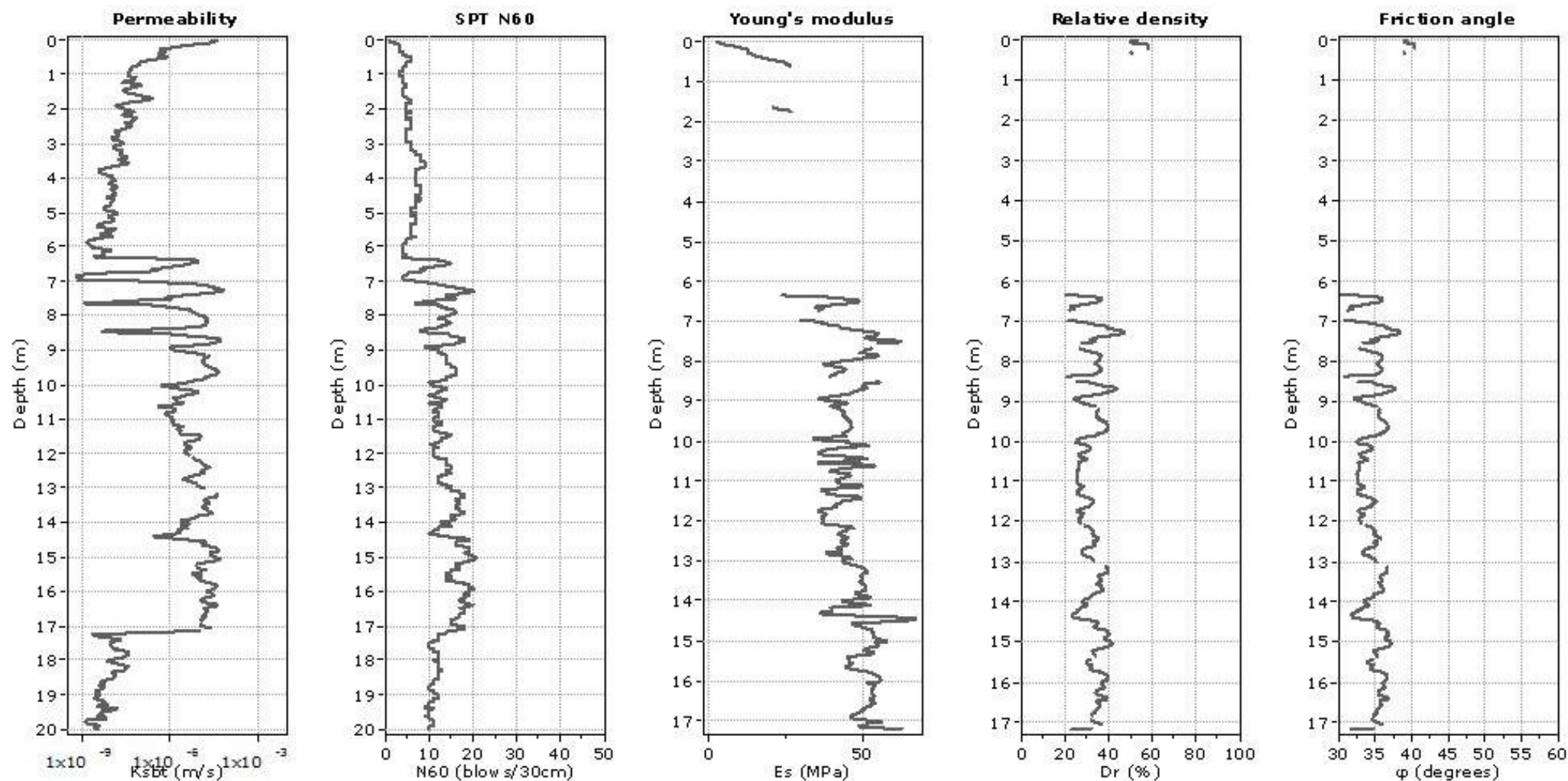
Updated SBTn plots



CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

Project:

Location:



Calculation parameters

Permeability: Based on SBT_n

SPT N_{60} : Based on I_c and q_t

Young's modulus: Based on variable alpha using I_c (Robertson, 2009)

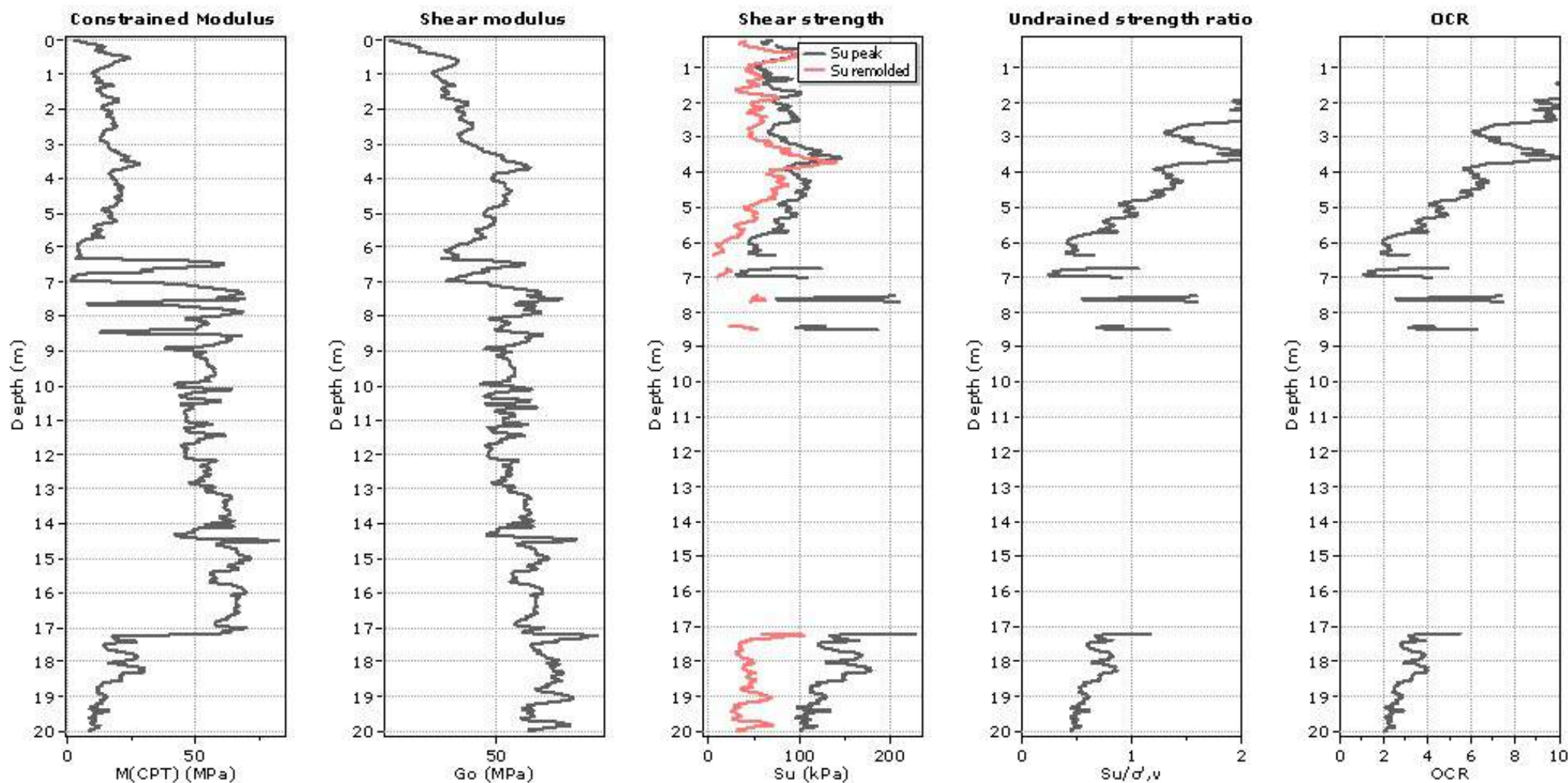
Relative density constant, C_{Dr} : 350.0

Phi: Based on Kulhavy & Mayne (1990)

—●— User defined estimation data

Project:

Location:



Calculation parameters

Constrained modulus: Based on variable α using I_c and Q_{m1} (Robertson, 2009)

Go: Based on variable α using I_c (Robertson, 2009)

Undrained shear strength cone factor for clays, N_{kt} : 14

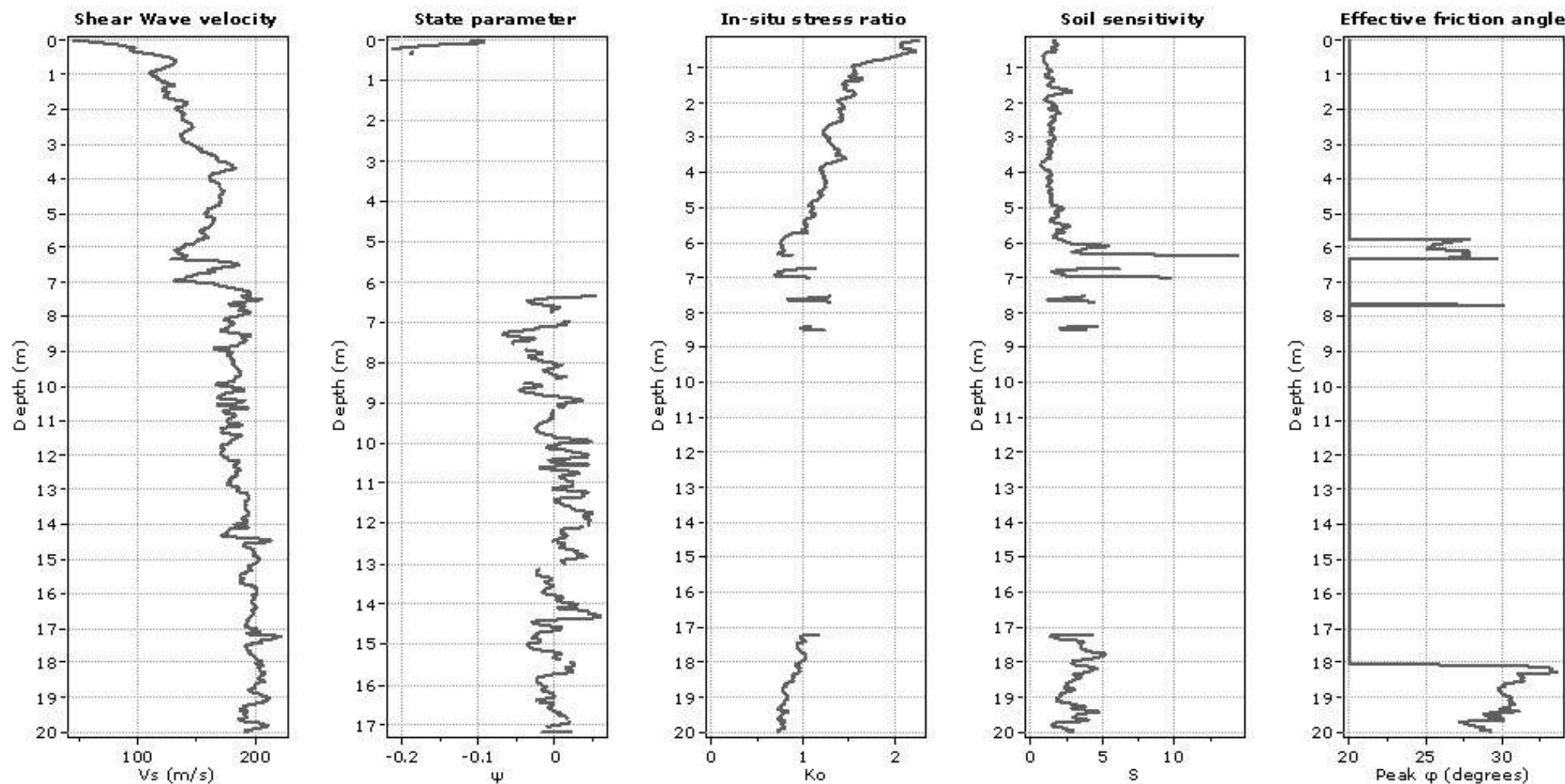
OCR factor for clays, N_{kt} : 0.33

—●— User defined estimation data

—●— Flat Dilatometer Test data

Project:

Location:



Calculation parameters

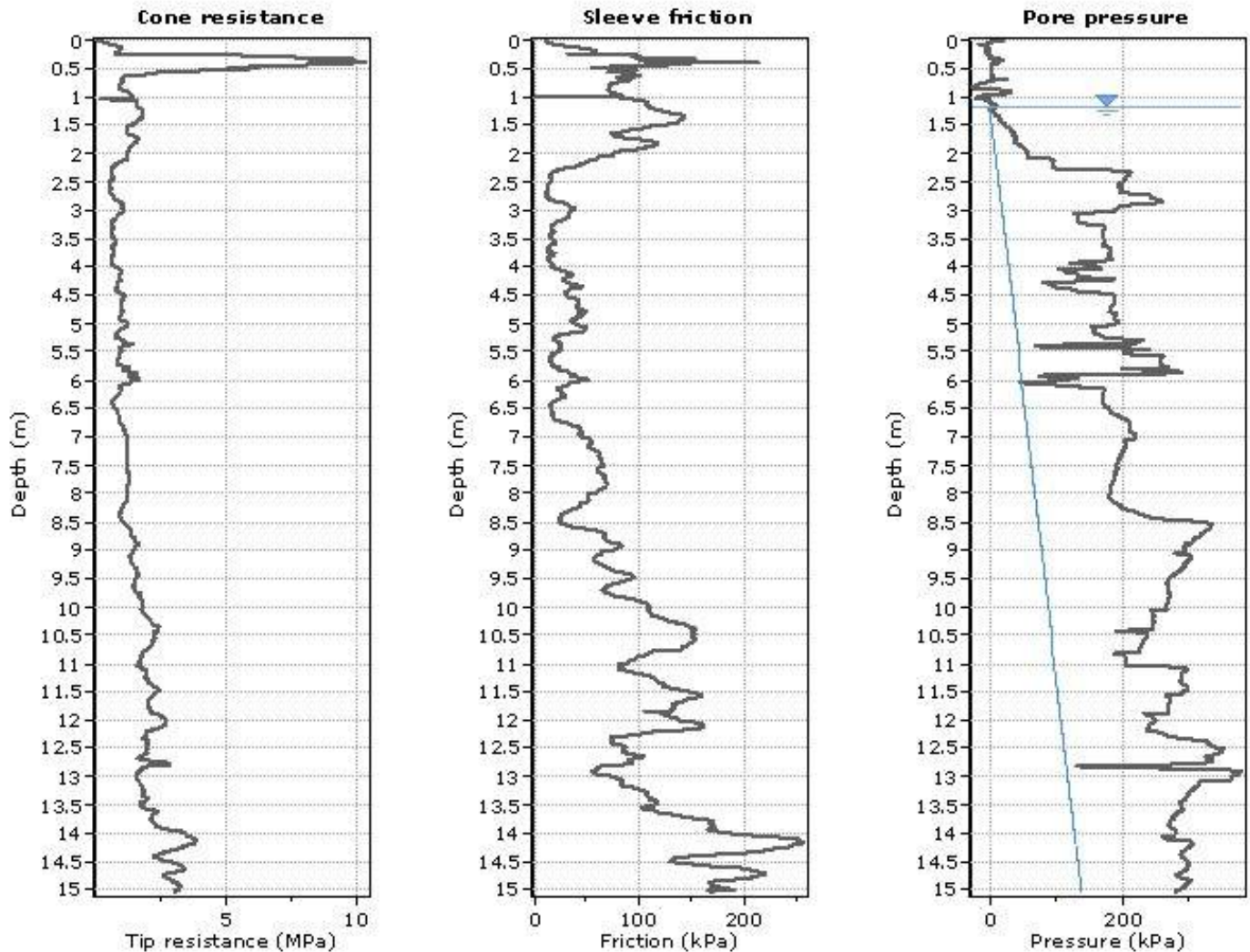
Soil Sensitivity factor, N_s : 7.00

—●— User defined estimation data

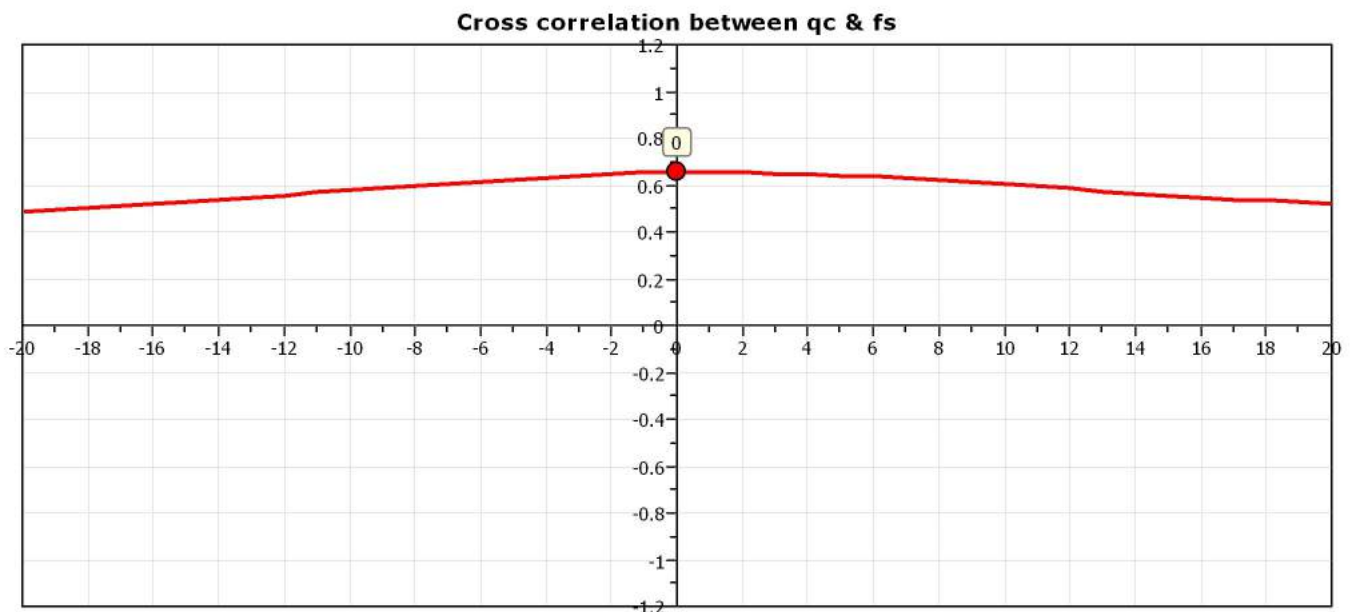
034033P206

Project:

Location:



The plot below presents the cross correlation coefficient between the raw q_c and f_s values (as measured on the field). X axes presents the lag distance (one lag is the distance between two successive CPT measurements).

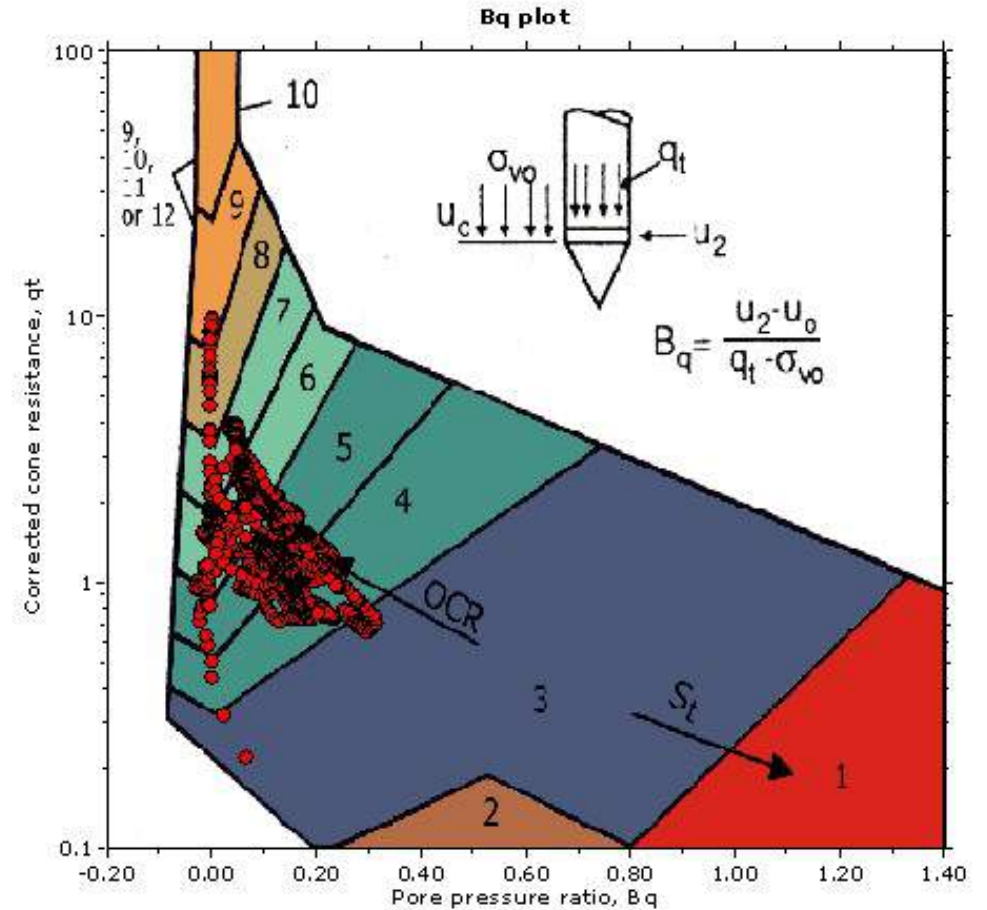
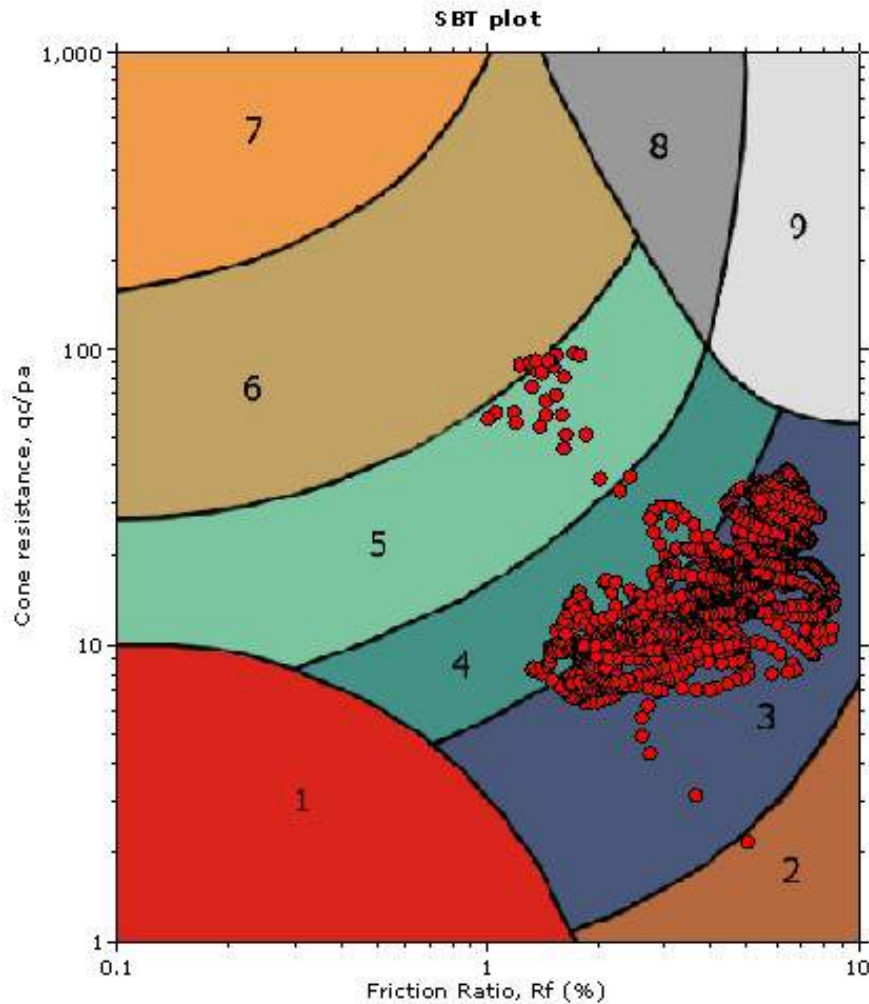


Project:
Location:

CPT: CPT-04 INT

Total depth: 15.05 m, Date: 06/12/2019
Surface Elevation: 0.00 m
Coords: X:0.00, Y:0.00
Cone Type: Unknown
Cone Operator: Unknown

SBT - Bq plots



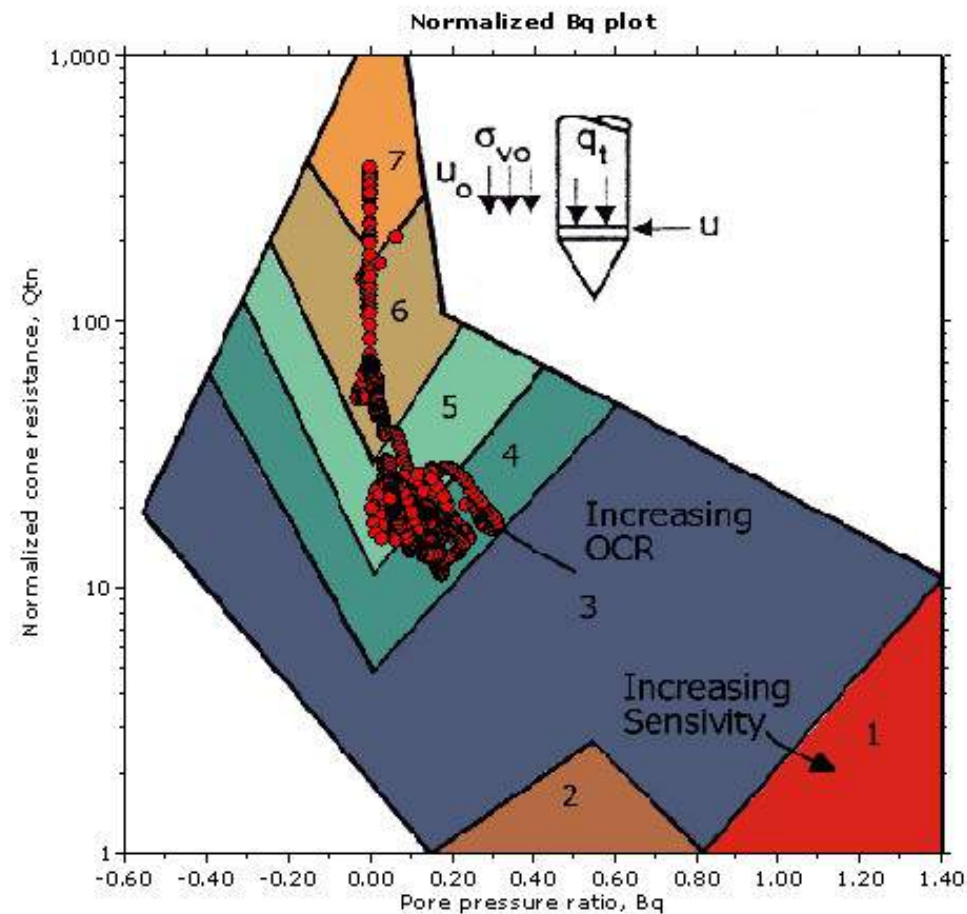
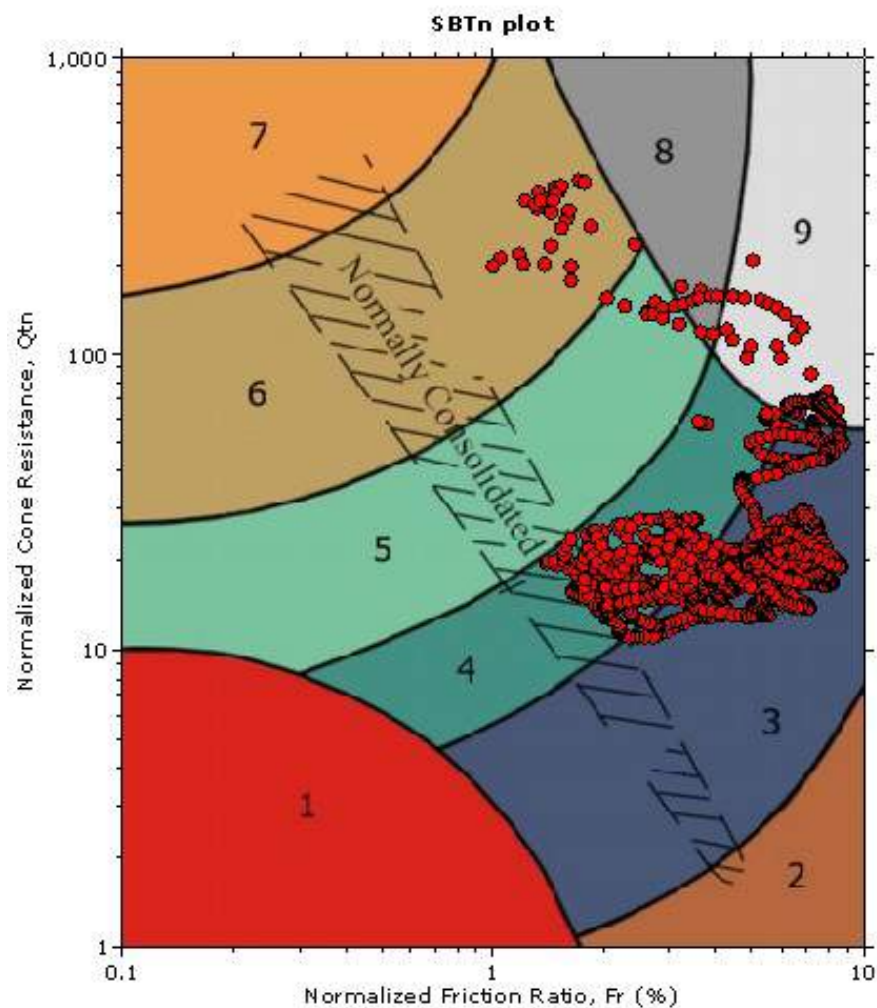
SBT legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

Project:

Location:

SBT - Bq plots (normalized)



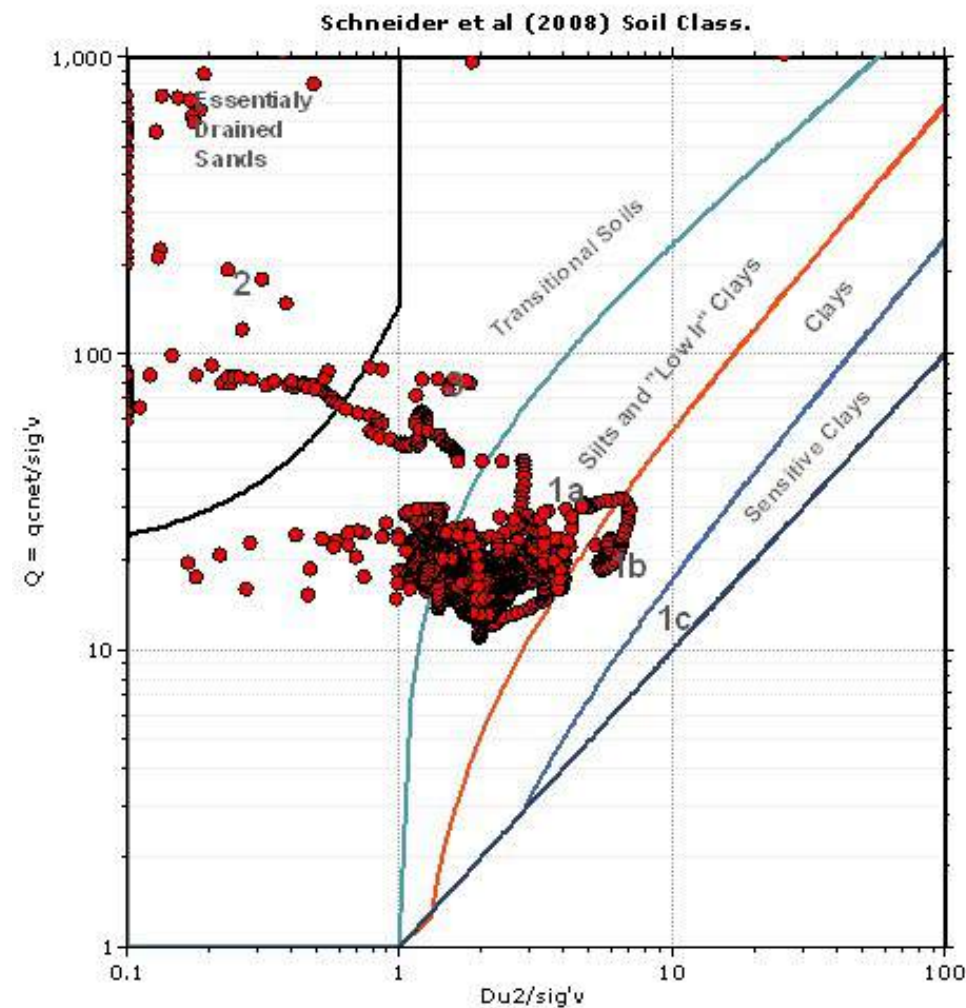
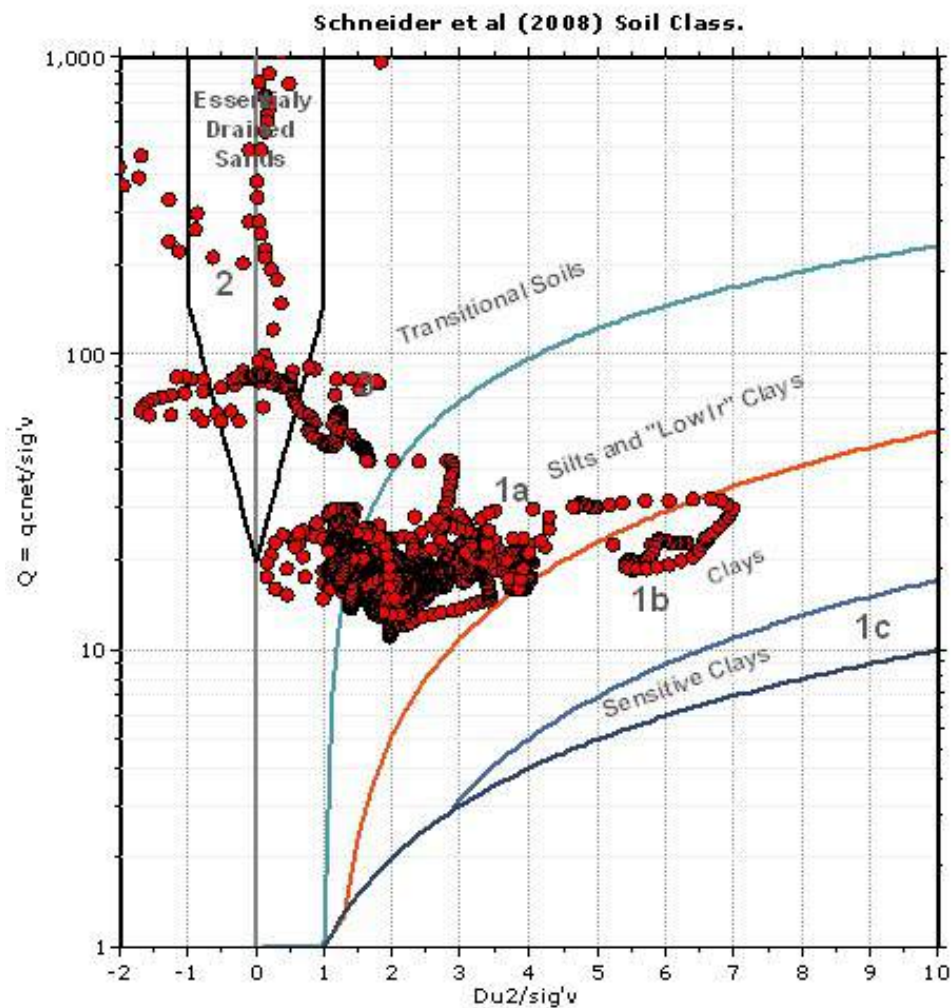
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

Project:

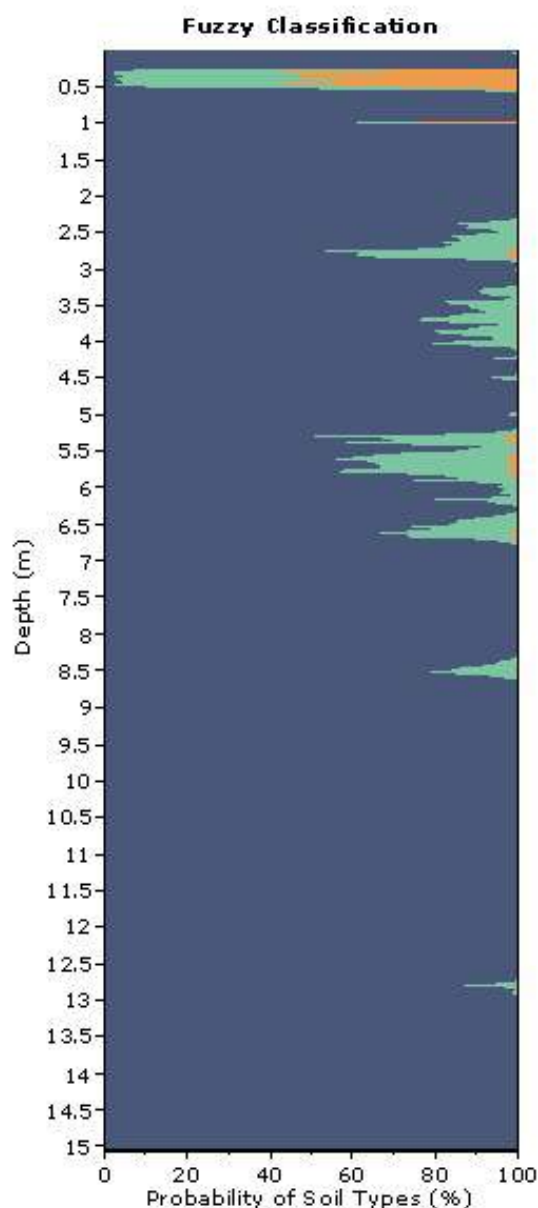
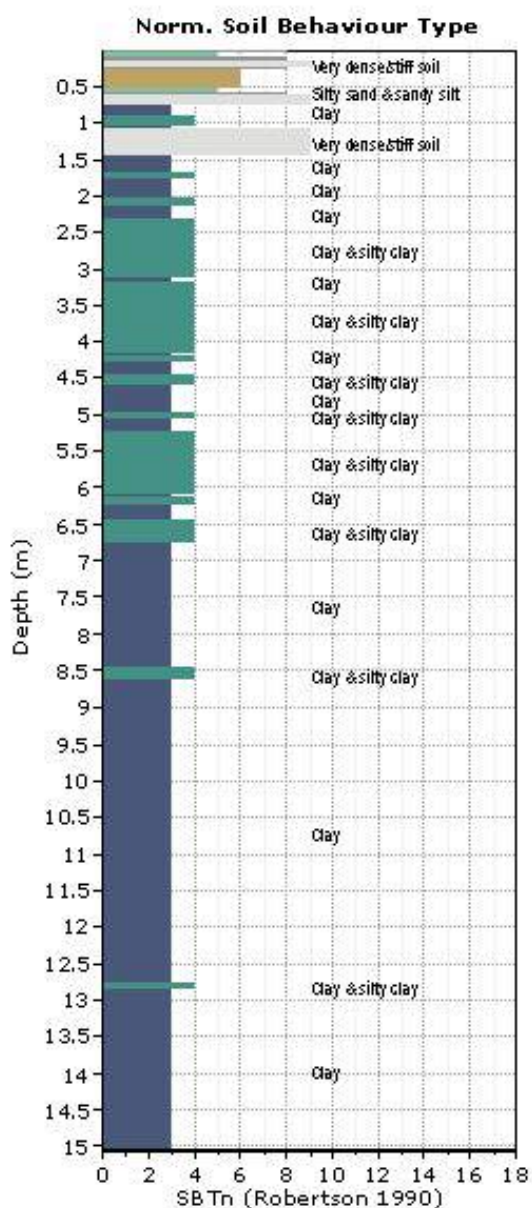
Location:

Bq plots (Schneider)



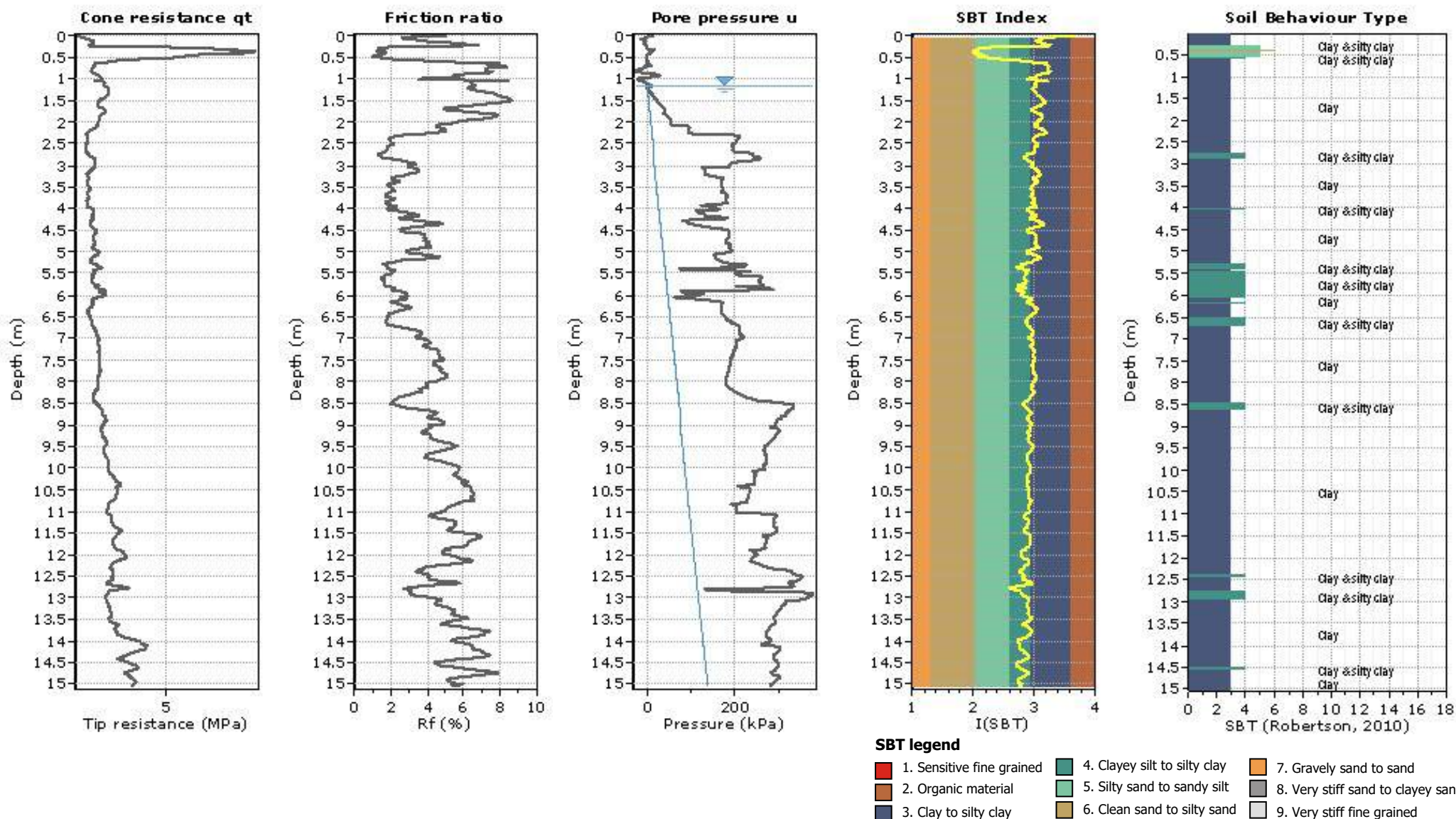
Project:

Location:



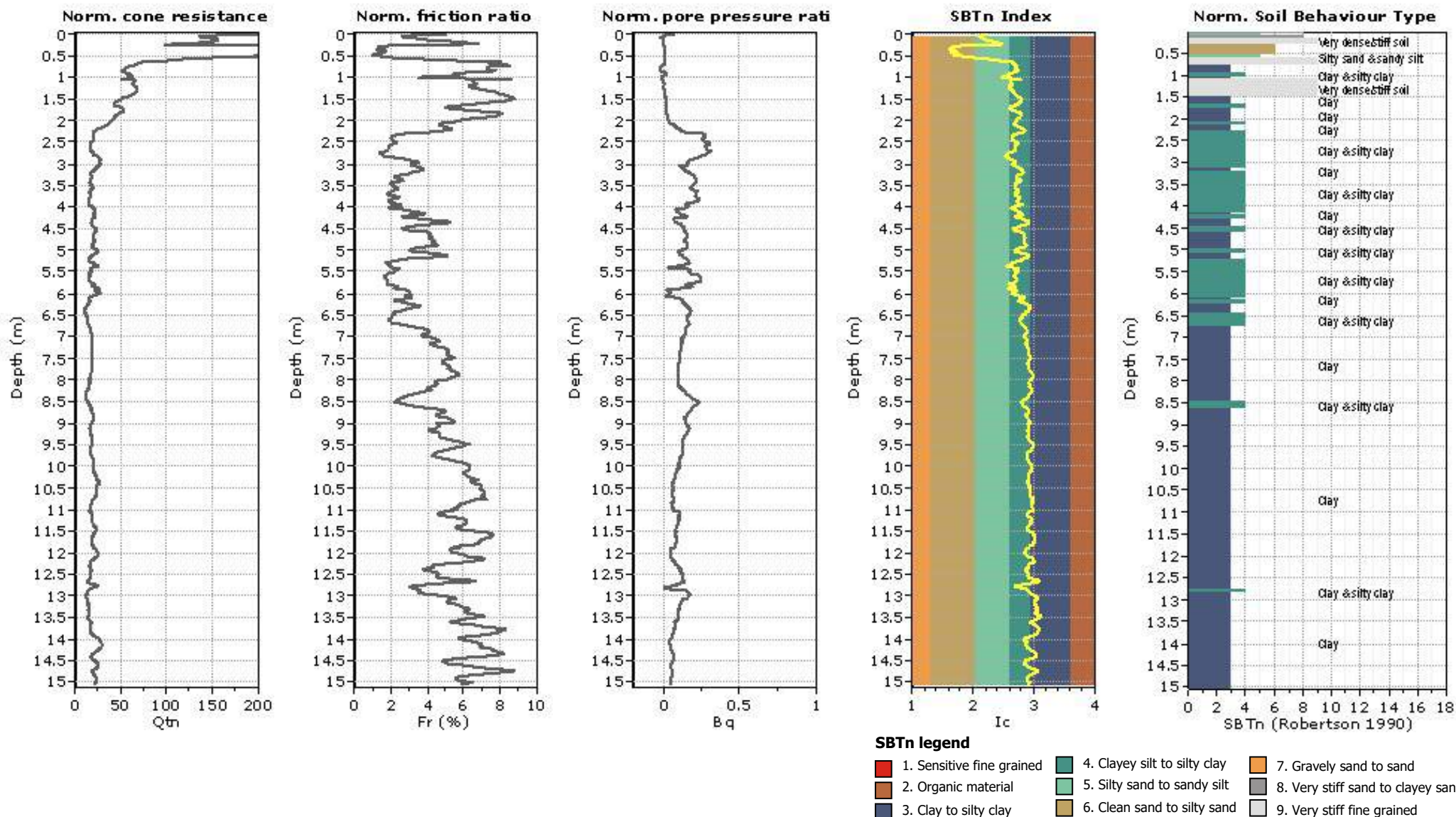
Project:

Location:



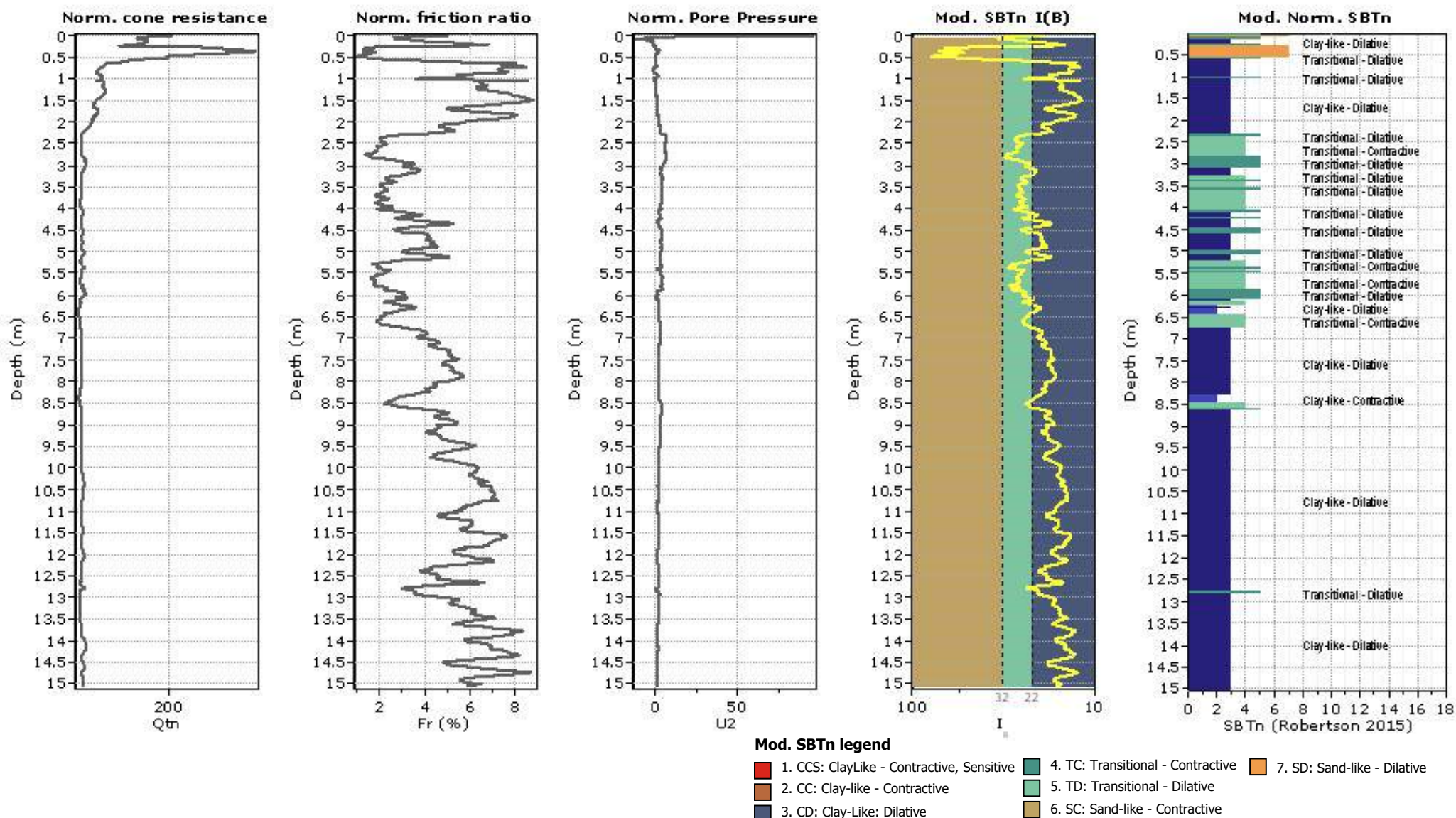
Project:

Location:



Project:

Location:



Project:

Location:

CPT: CPT-04 INT

Total depth: 15.05 m, Date: 06/12/2019

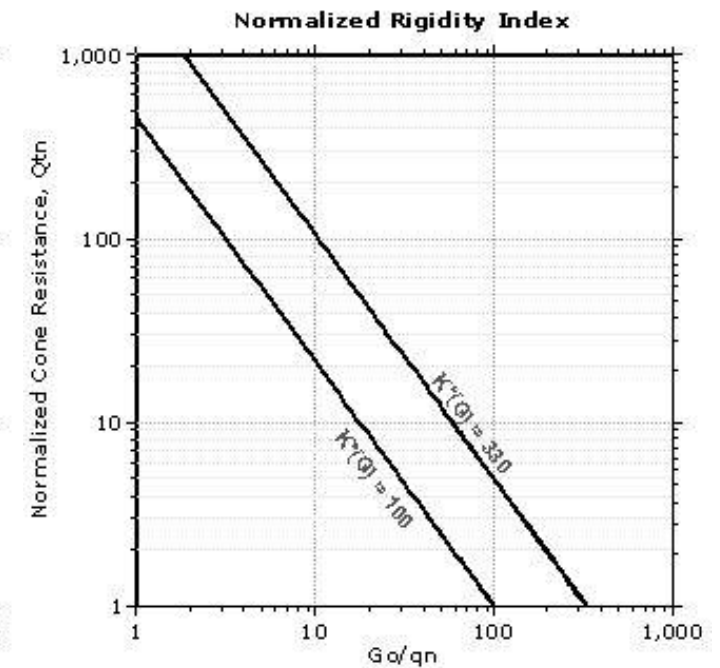
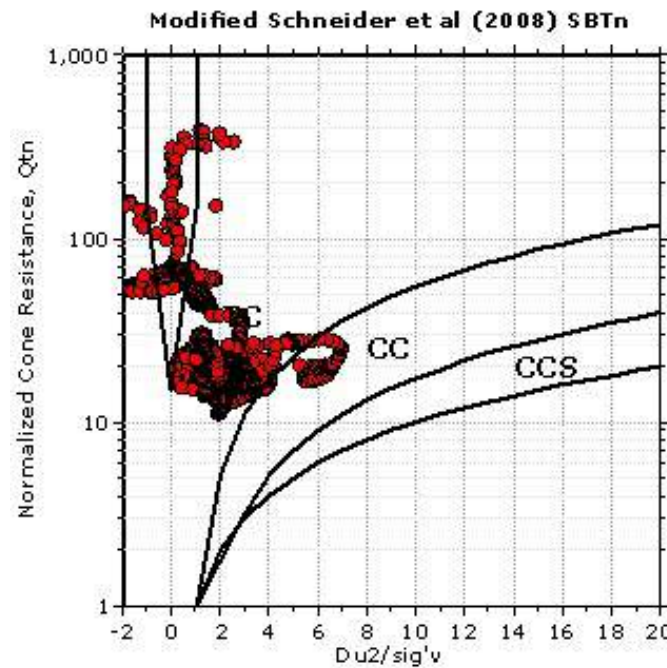
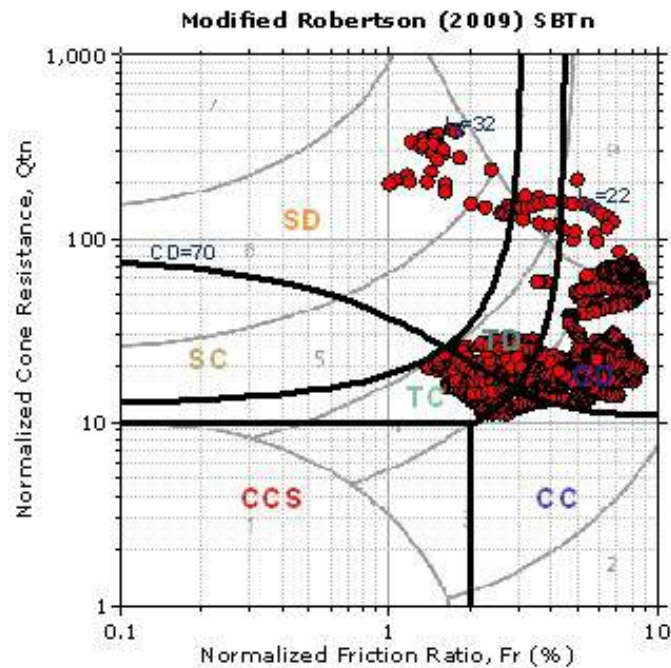
Surface Elevation: 0.00 m

Coords: X:0.00, Y:0.00

Cone Type: Unknown

Cone Operator: Unknown

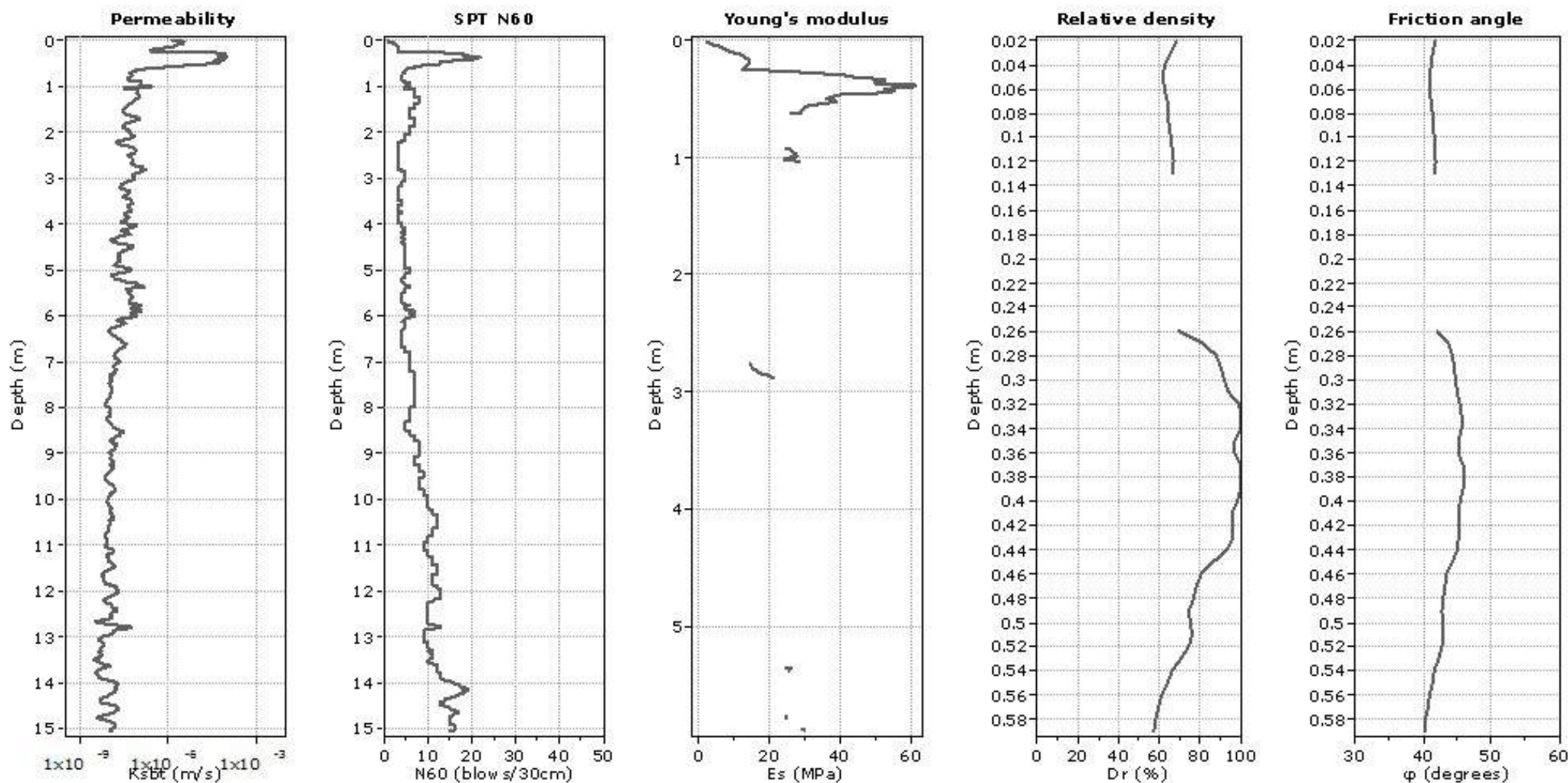
Updated SBTn plots



CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

Project:

Location:



Calculation parameters

Permeability: Based on SBT_n

SPT N_{60} : Based on I_c and q_t

Young's modulus: Based on variable alpha using I_c (Robertson, 2009)

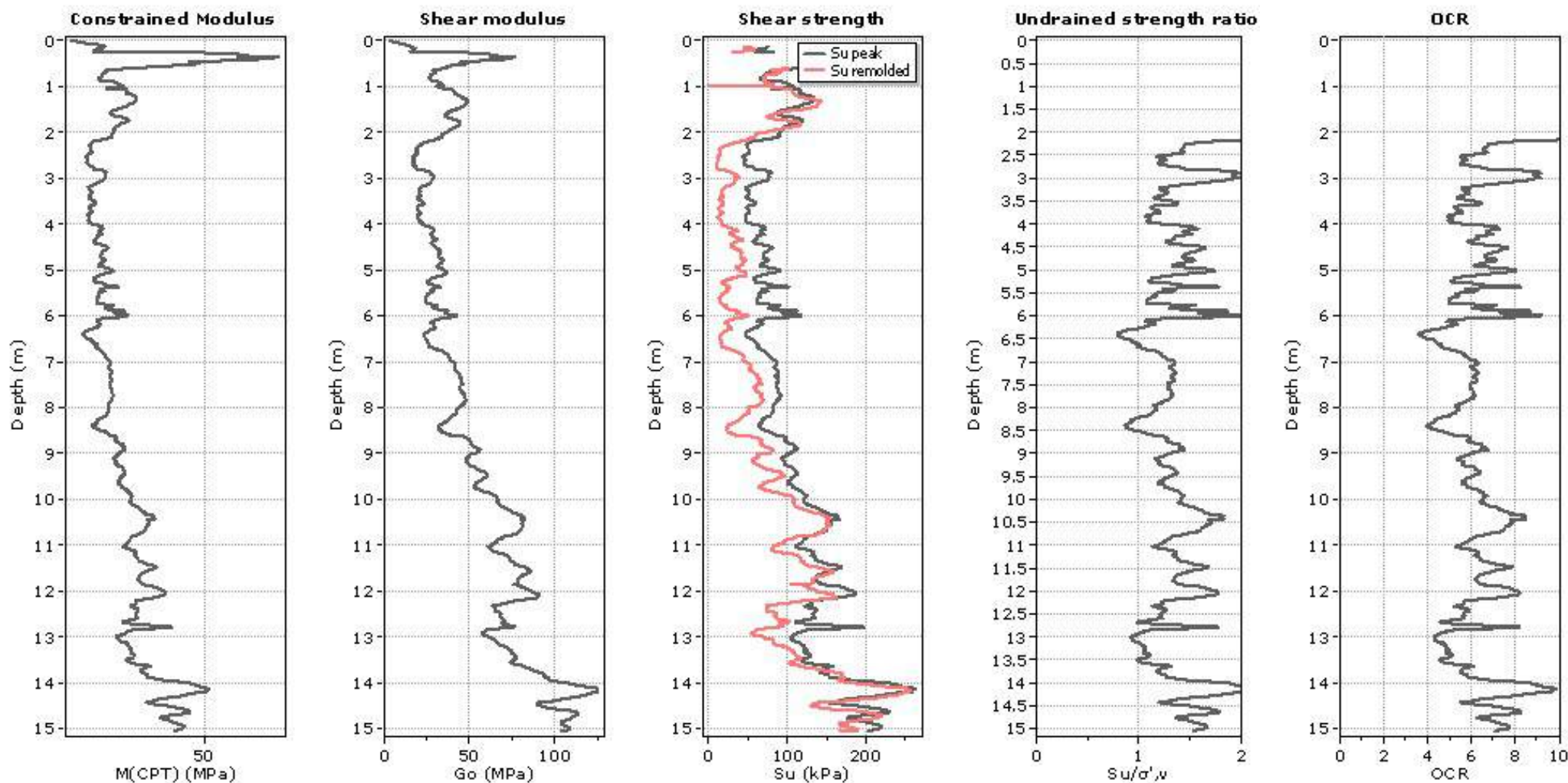
Relative density constant, C_{Dr} : 350.0

Phi: Based on Kulhavy & Mayne (1990)

● User defined estimation data

Project:

Location:



Calculation parameters

Constrained modulus: Based on variable α using I_c and Q_{tm} (Robertson, 2009)

G_0 : Based on variable α using I_c (Robertson, 2009)

Undrained shear strength cone factor for clays, N_{kt} : 14

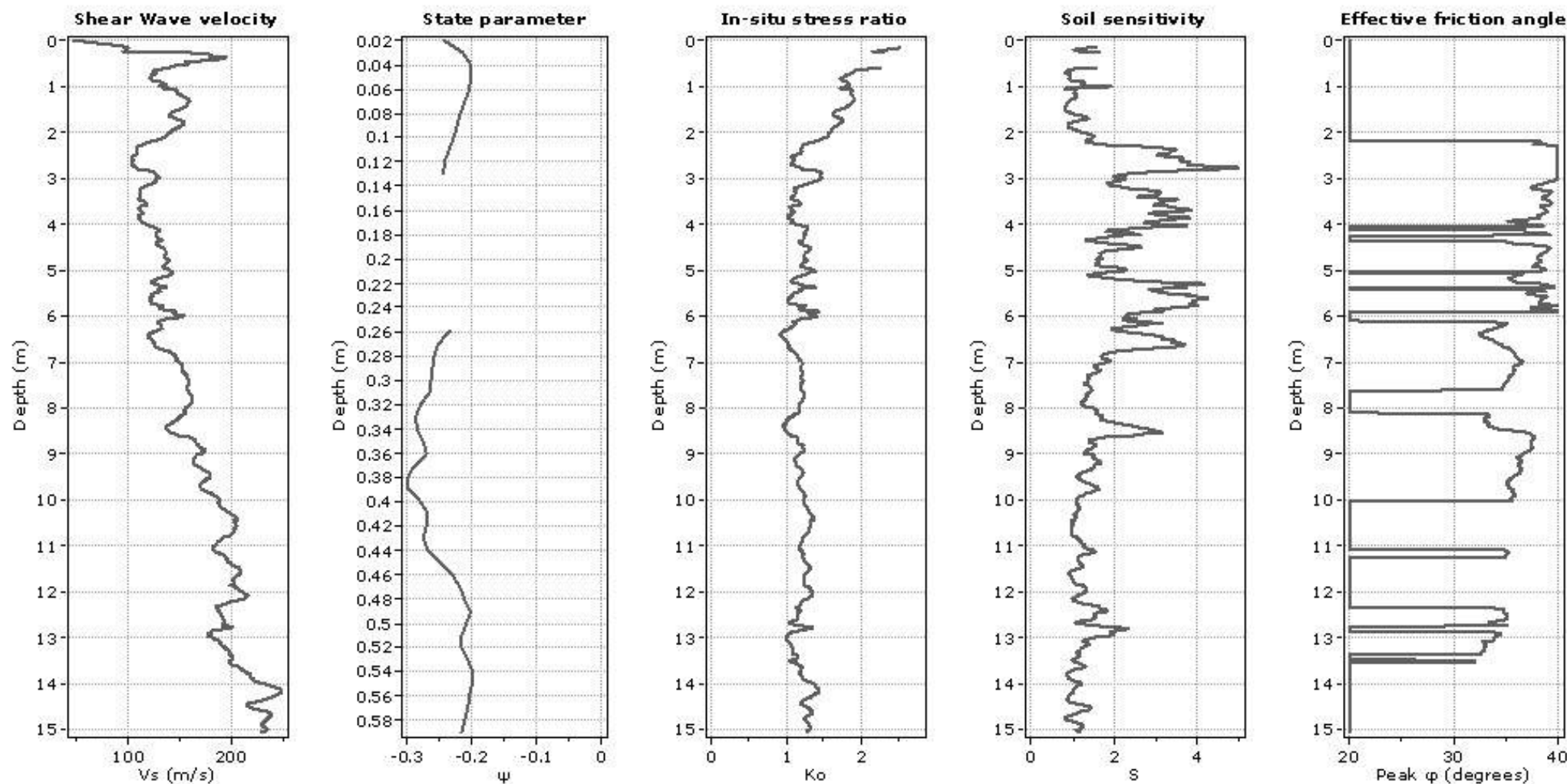
OCR factor for clays, N_{kt} : 0.33

—●— User defined estimation data

—●— Flat Dilatometer Test data

Project:

Location:



Calculation parameters

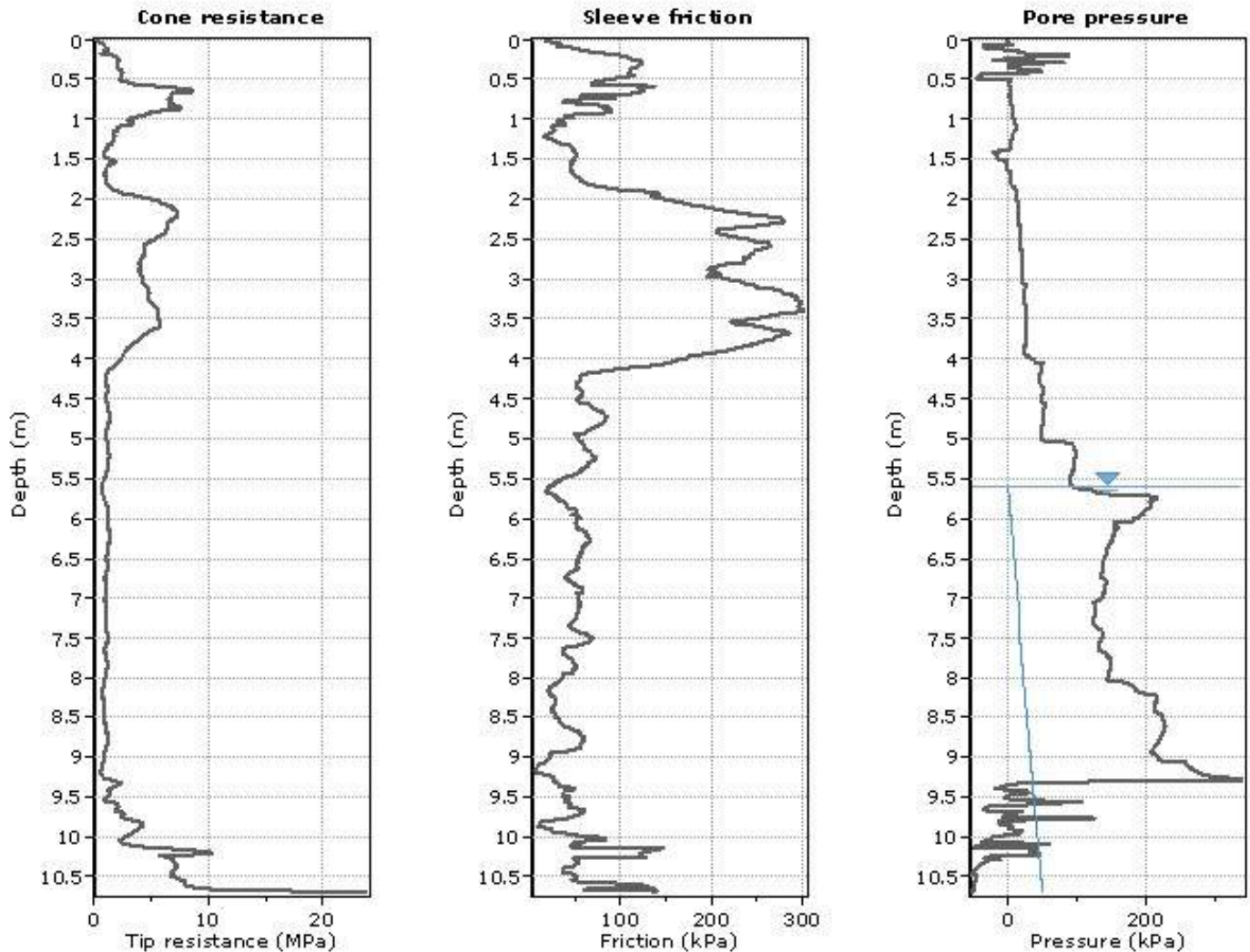
Soil Sensitivity factor, N_s : 7.00

—●— User defined estimation data

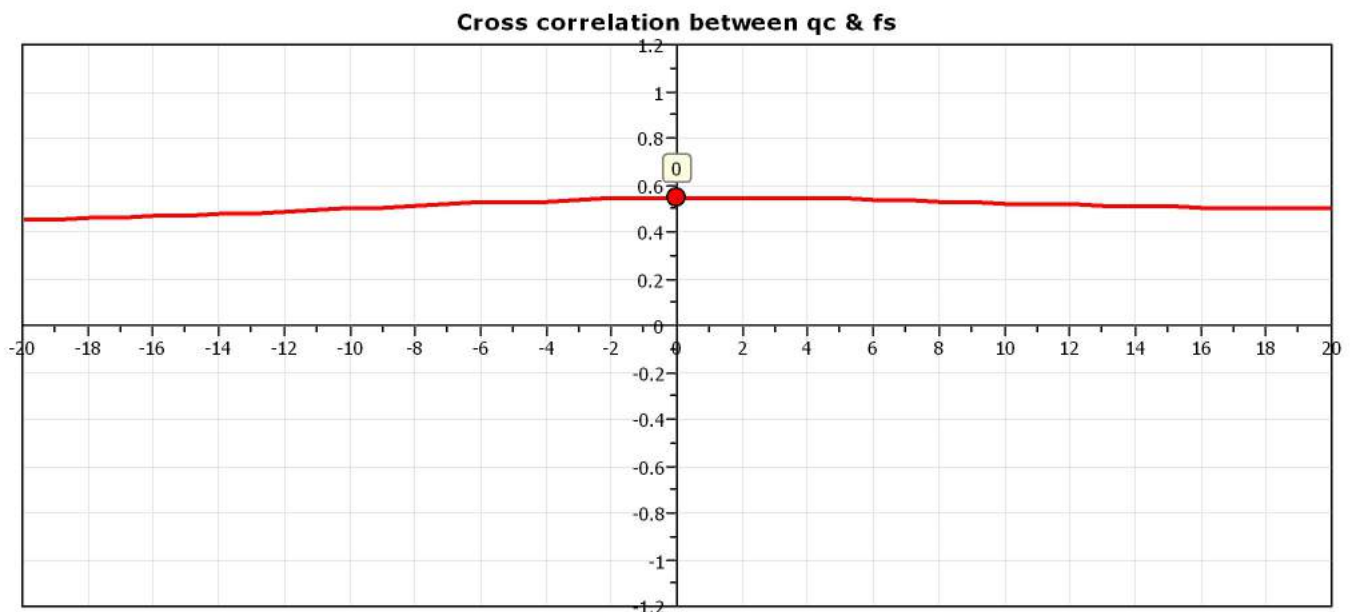
034033P207

Project:

Location:



The plot below presents the cross correlation coefficient between the raw qc and fs values (as measured on the field). X axes presents the lag distance (one lag is the distance between two successive CPT measurements).



Project:

Location:

CPT: CPT-05 INT

Total depth: 10.70 m, Date: 06/12/2019

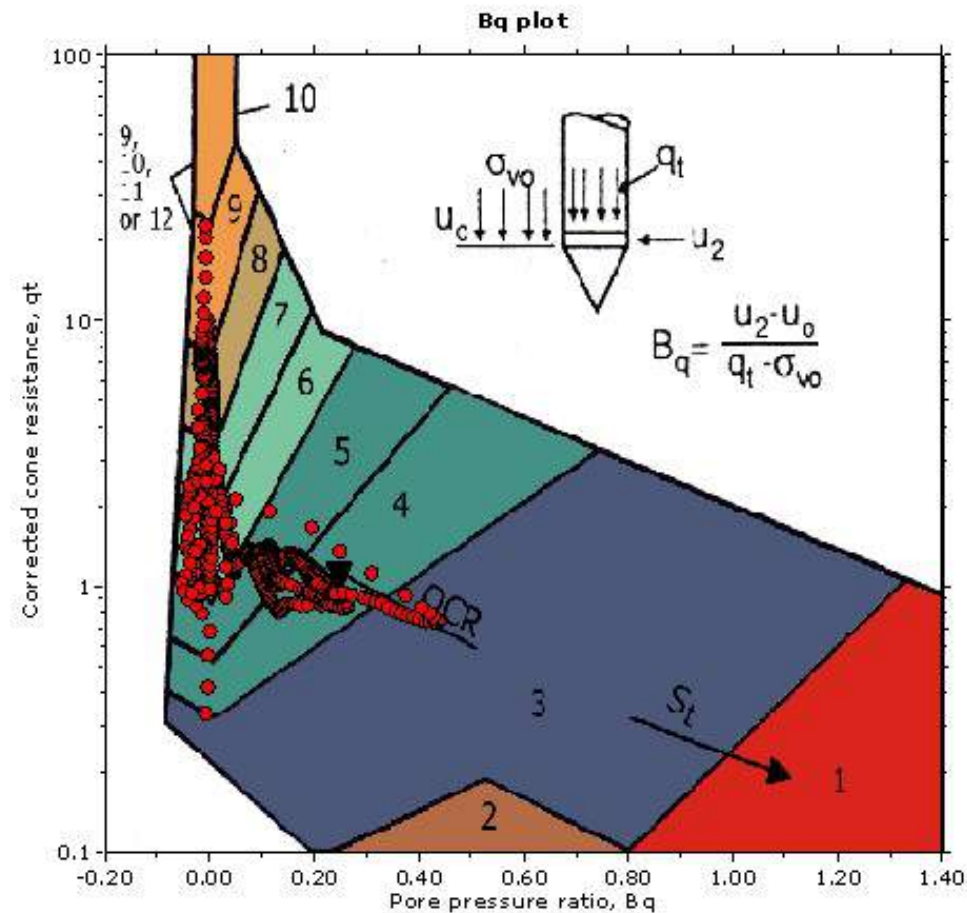
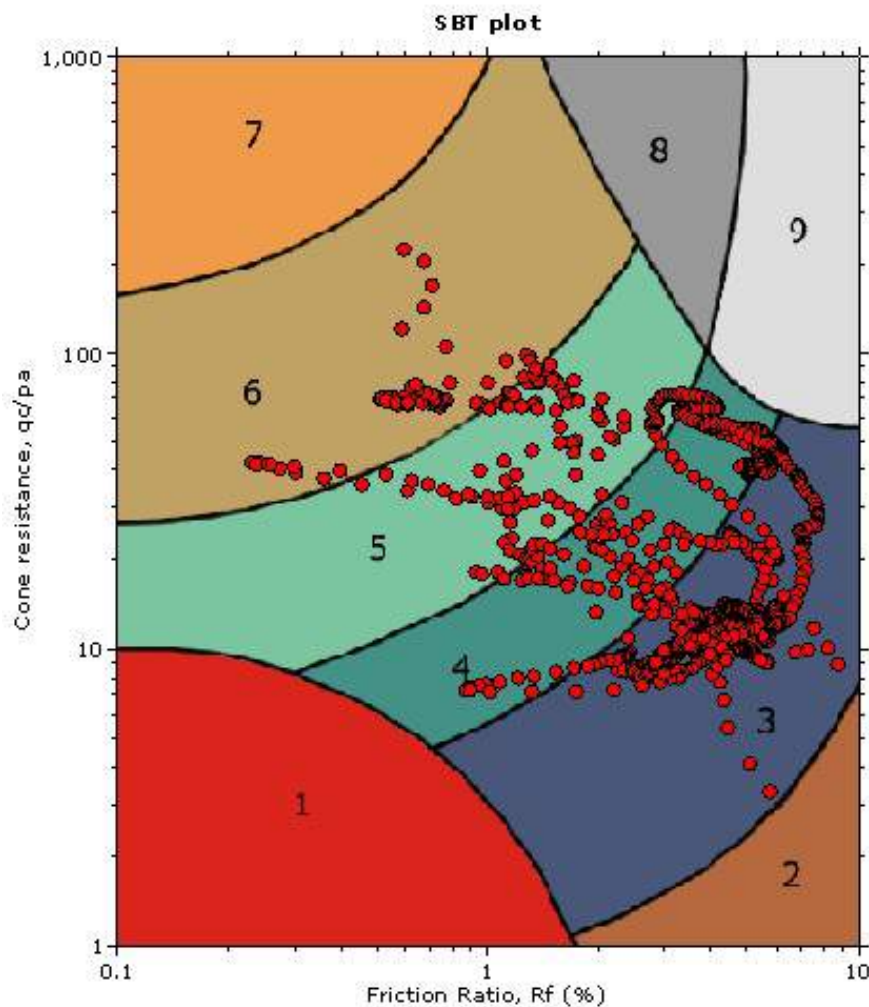
Surface Elevation: 0.00 m

Coords: X:0.00, Y:0.00

Cone Type: Unknown

Cone Operator: Unknown

SBT - Bq plots



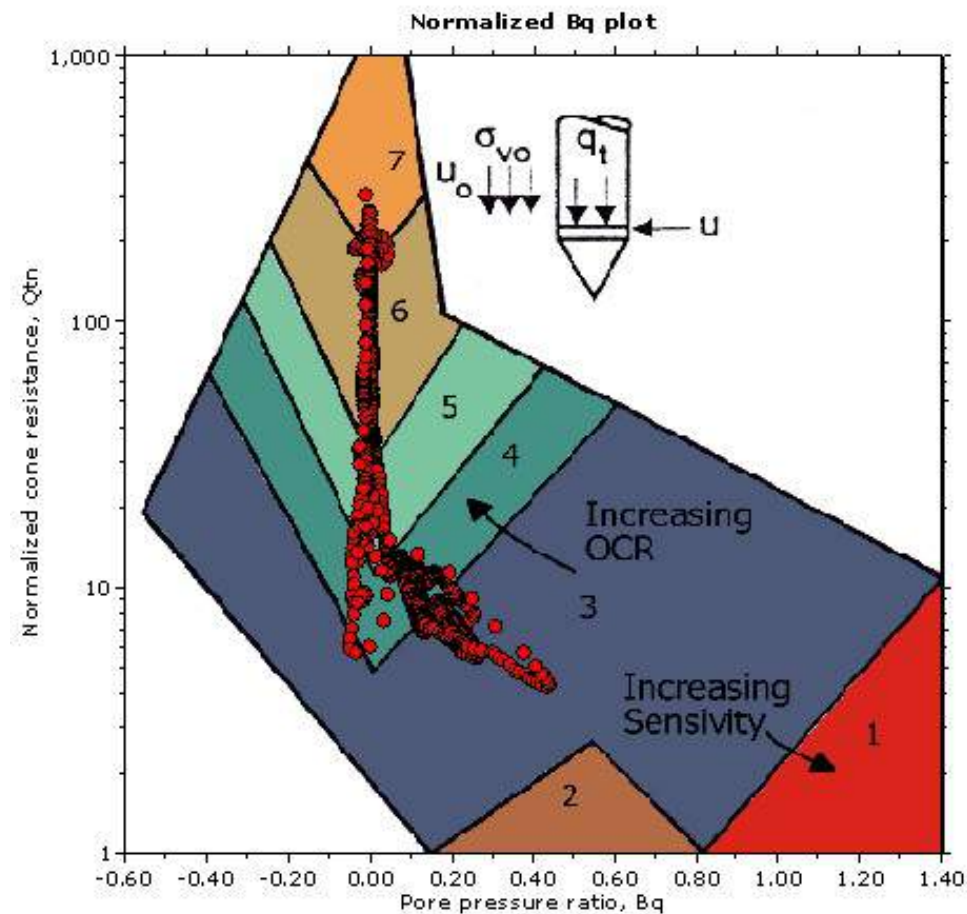
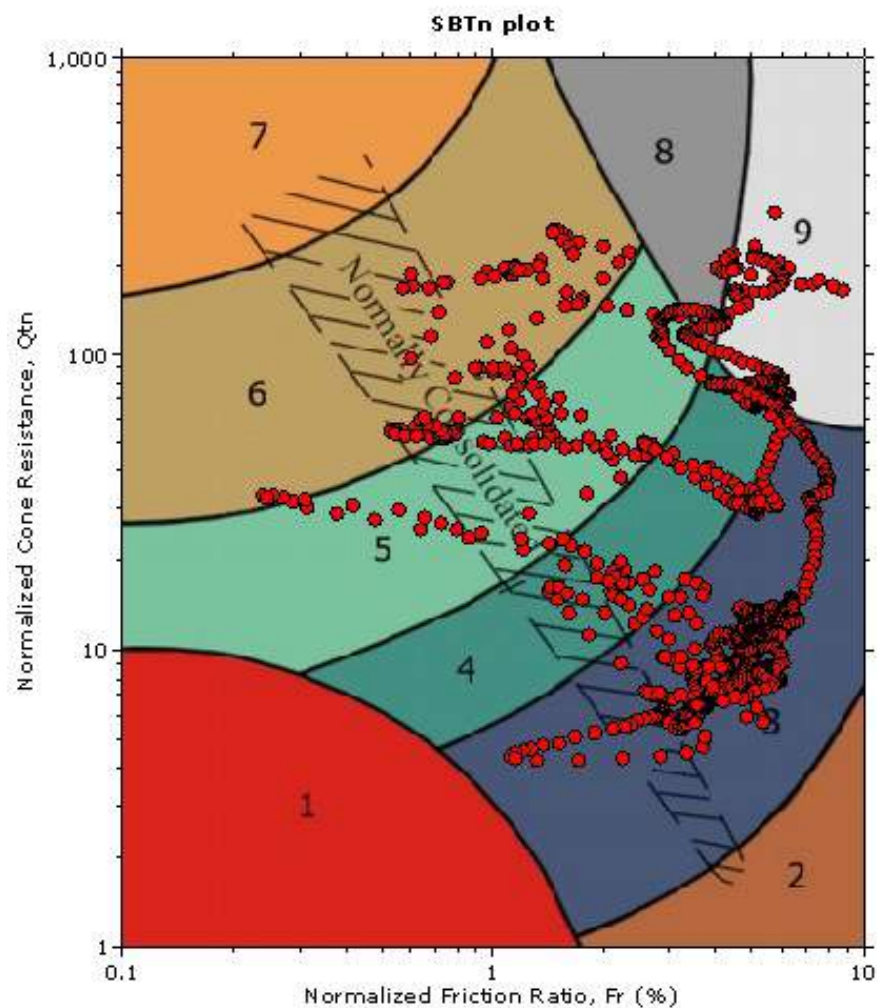
SBT legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

Project:

Location:

SBT - Bq plots (normalized)



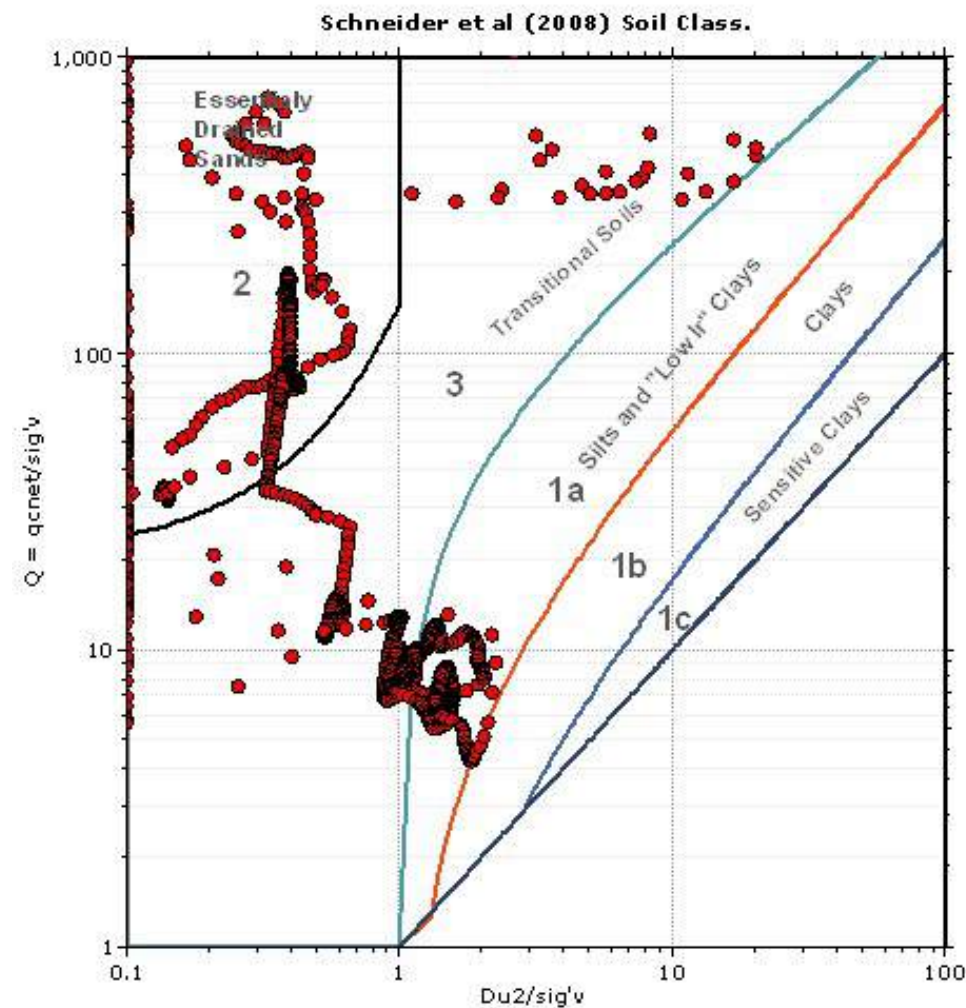
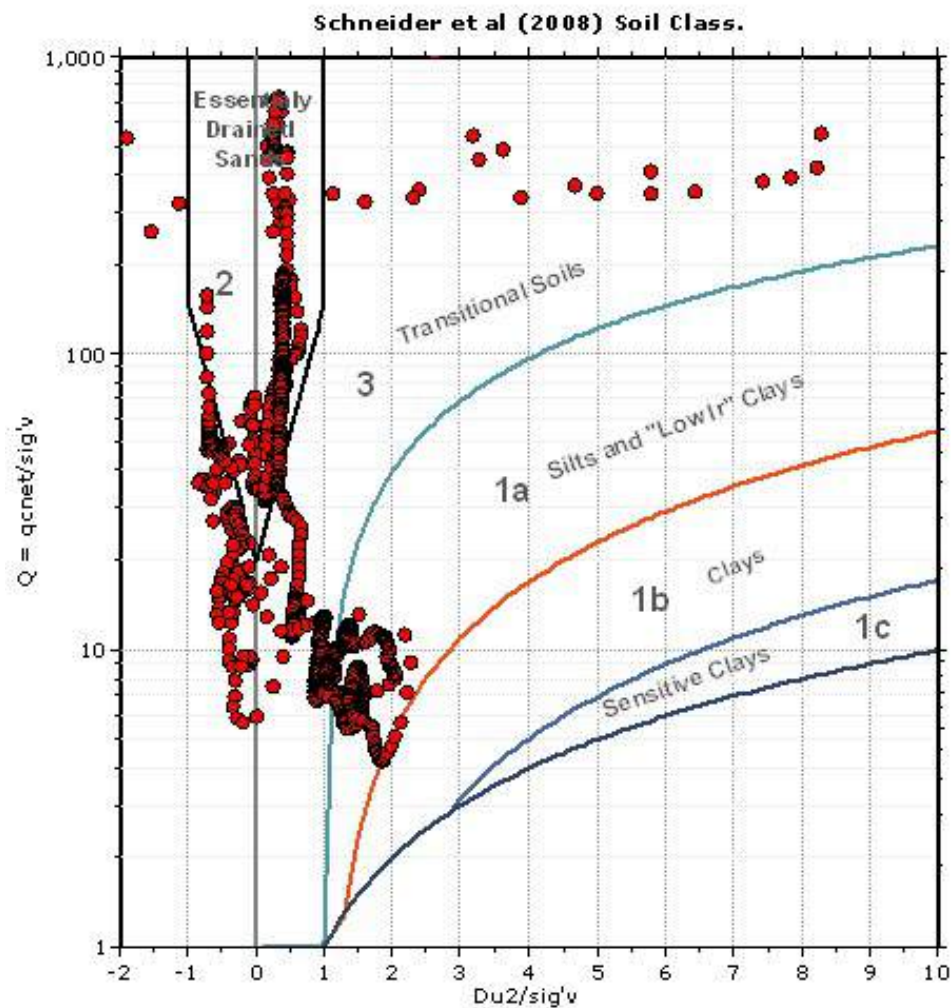
SBTn legend

- | | | |
|---------------------------|------------------------------|-----------------------------------|
| 1. Sensitive fine grained | 4. Clayey silt to silty clay | 7. Gravely sand to sand |
| 2. Organic material | 5. Silty sand to sandy silt | 8. Very stiff sand to clayey sand |
| 3. Clay to silty clay | 6. Clean sand to silty sand | 9. Very stiff fine grained |

Project:

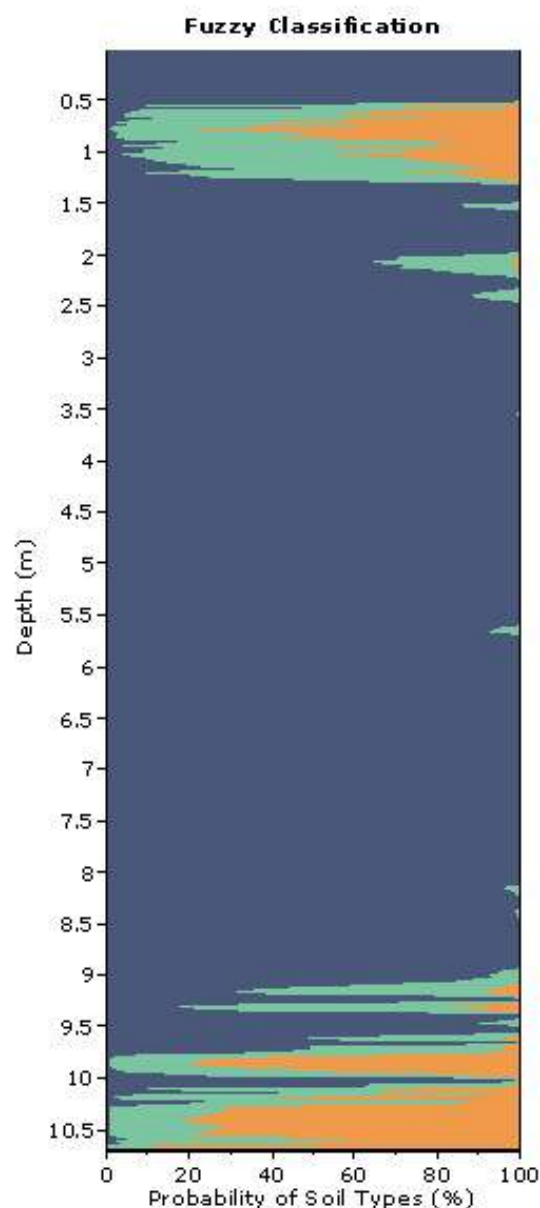
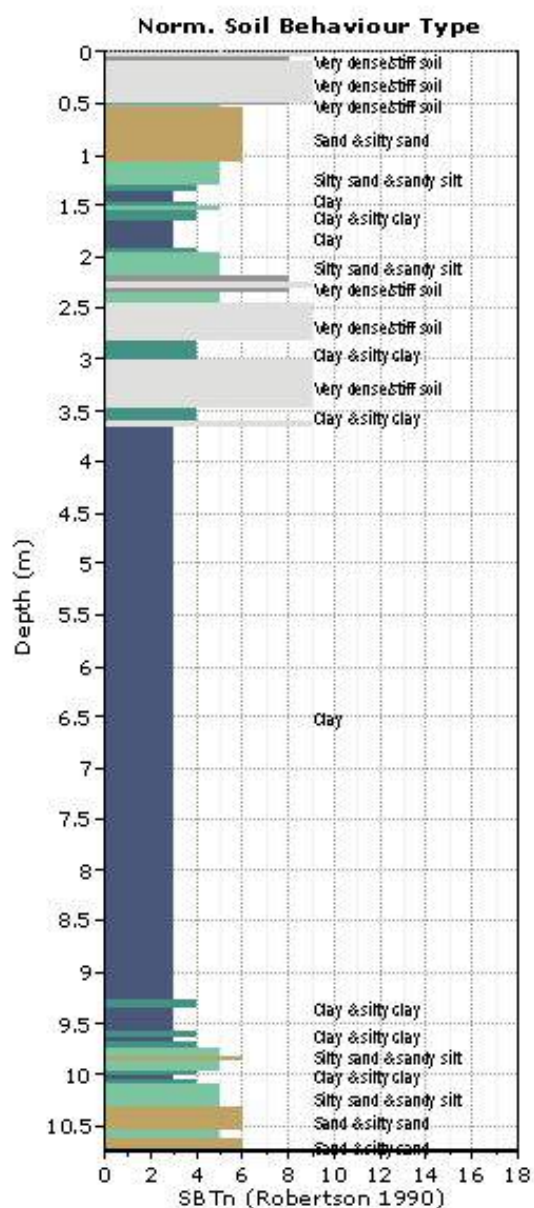
Location:

Bq plots (Schneider)



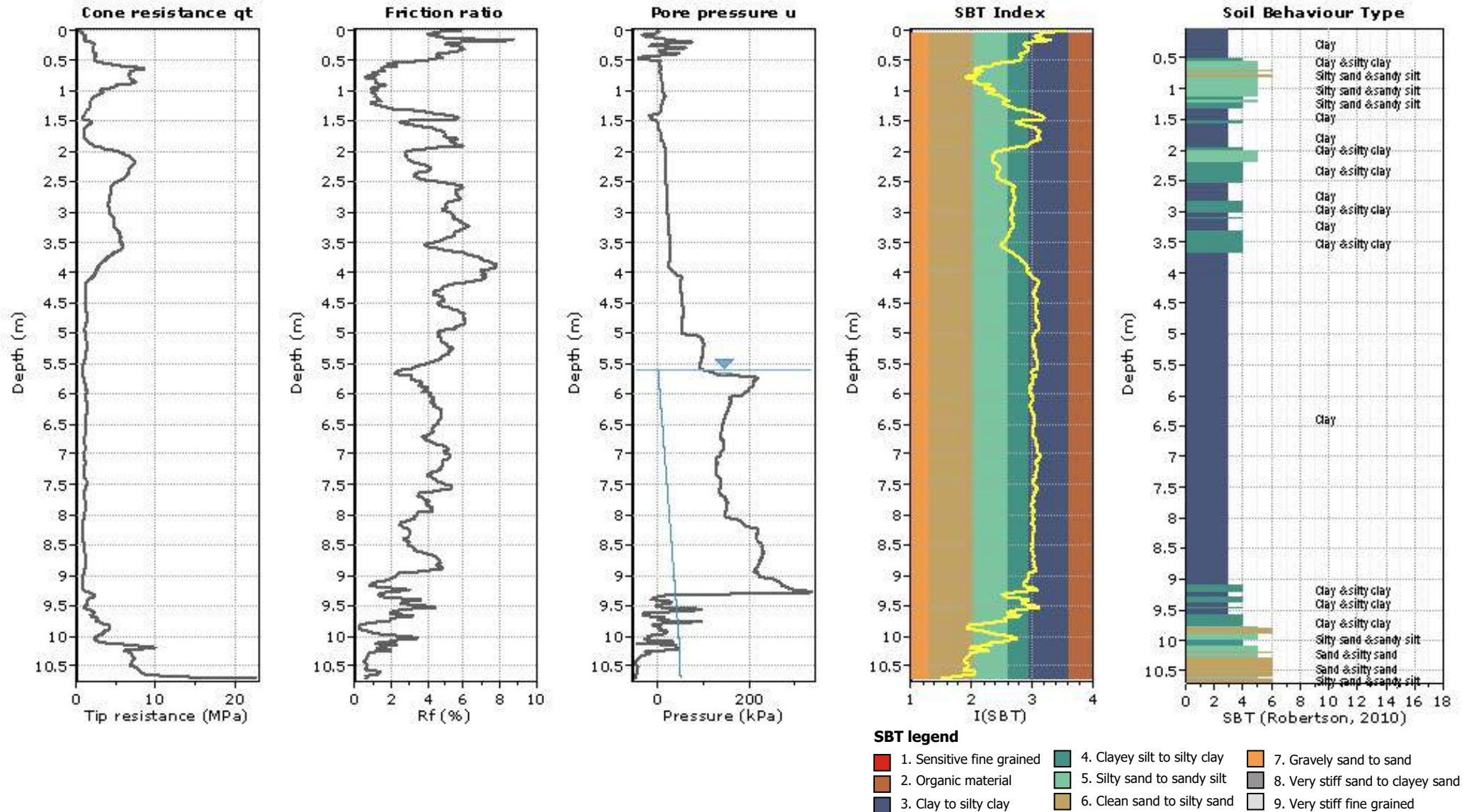
Project:

Location:



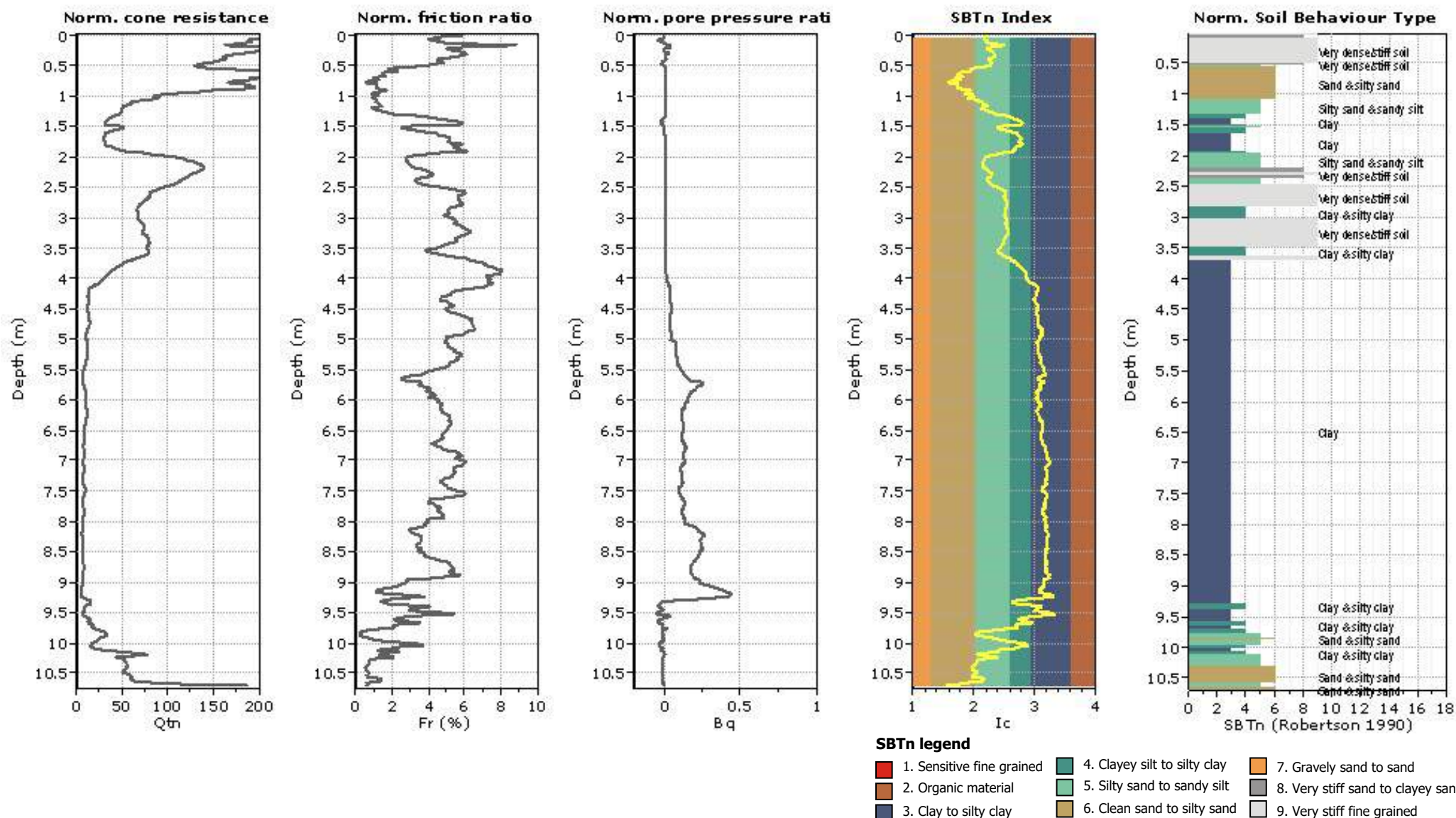
Project:

Location:



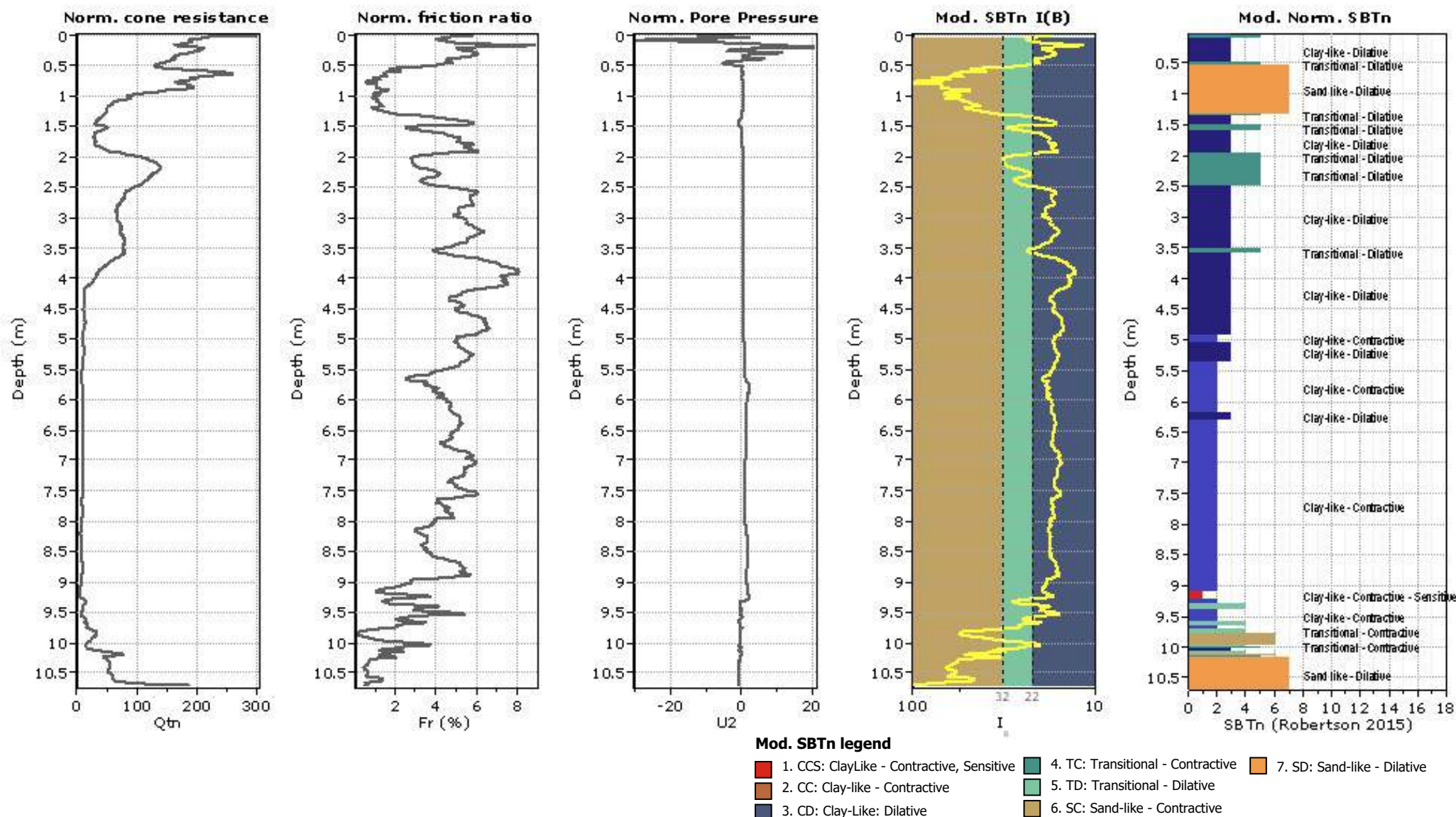
Project:

Location:



Project:

Location:



Project:

Location:

CPT: CPT-05 INT

Total depth: 10.70 m, Date: 06/12/2019

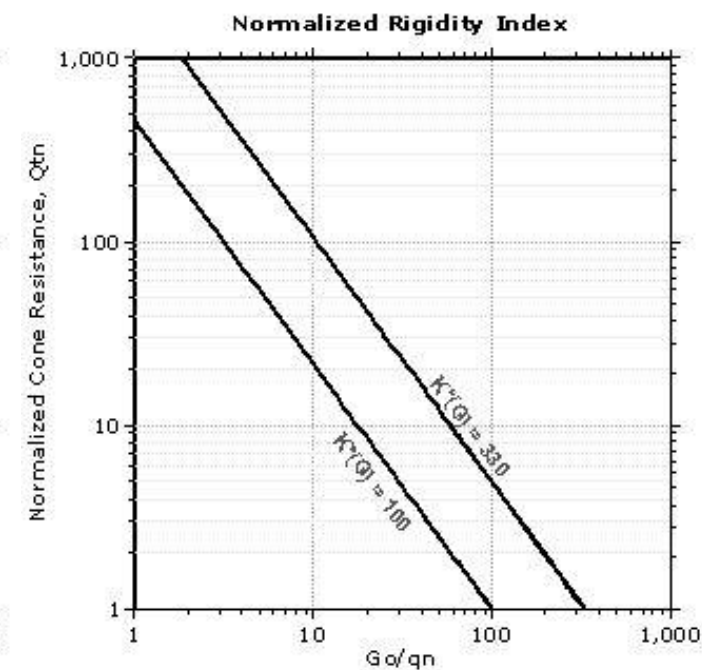
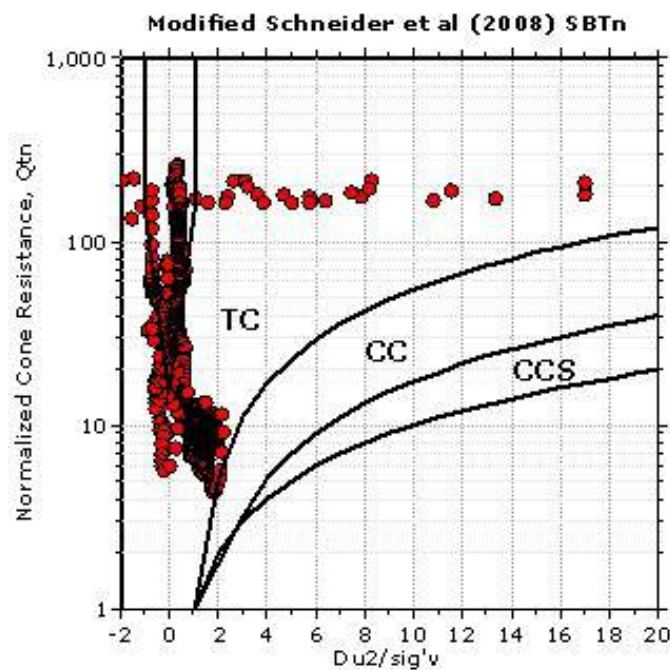
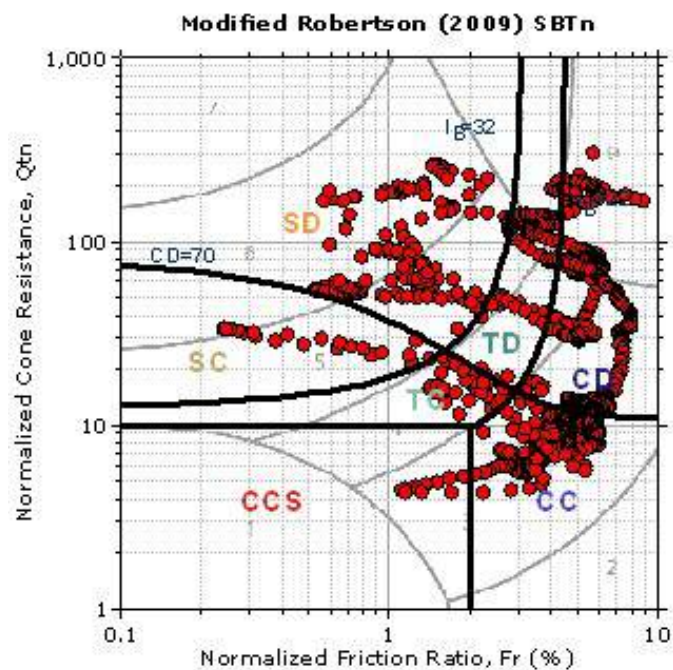
Surface Elevation: 0.00 m

Coords: X:0.00, Y:0.00

Cone Type: Unknown

Cone Operator: Unknown

Updated SBTn plots



CCS: Clay-like - Contractive - Sensitive
CC: Clay-like - Contractive
CD: Clay-like - Dilative
TC: Transitional - Contractive
TD: Transitional - Dilative
SC: Sand-like - Contractive
SD: Sand-like - Dilative

Project:

Location:

CPT: CPT-05 INT

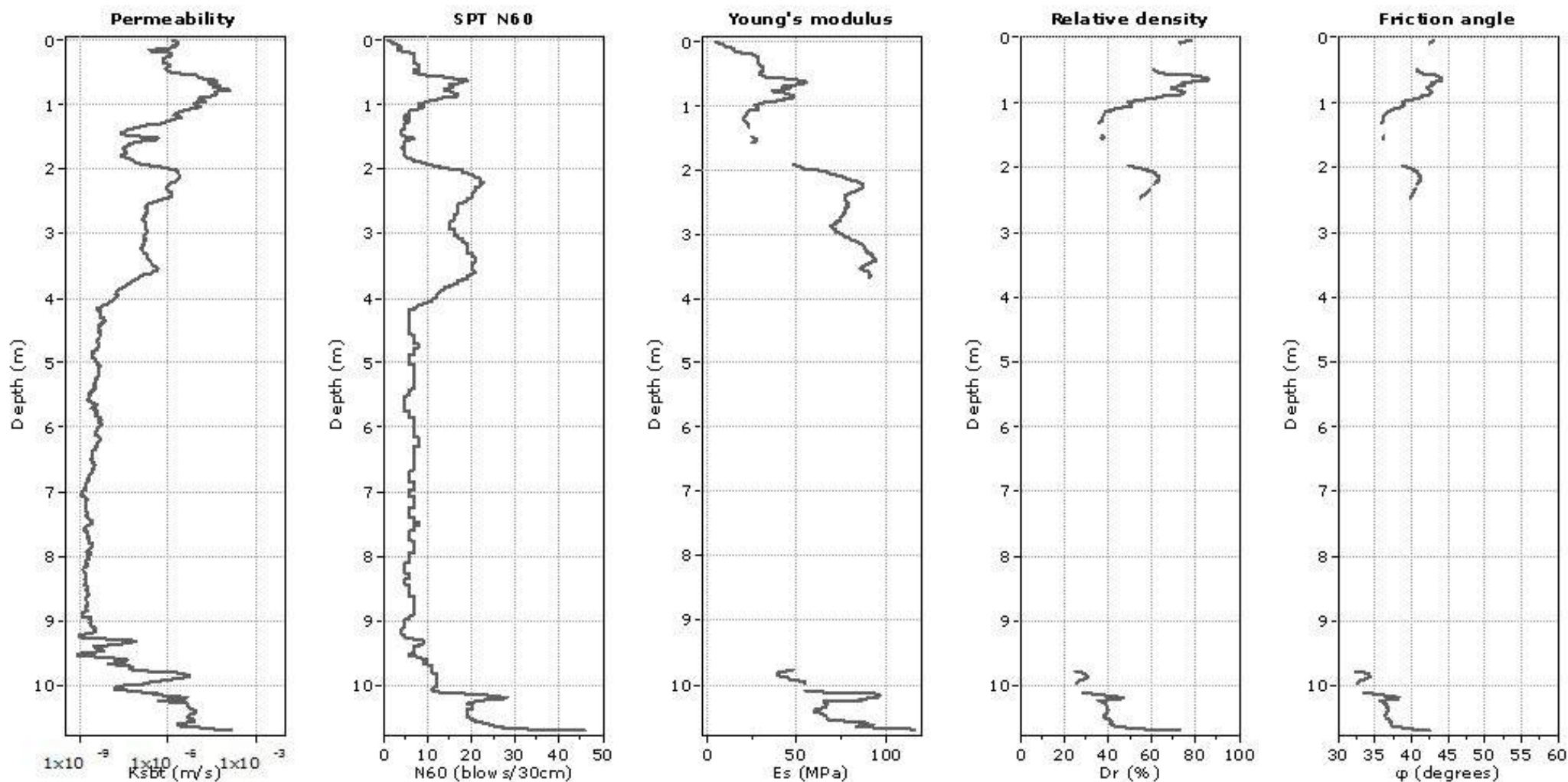
Total depth: 10.70 m, Date: 06/12/2019

Surface Elevation: 0.00 m

Coords: X:0.00, Y:0.00

Cone Type: Unknown

Cone Operator: Unknown



Calculation parameters

Permeability: Based on SBT_n

SPT N_{60} : Based on I_c and q_t

Young's modulus: Based on variable alpha using I_c (Robertson, 2009)

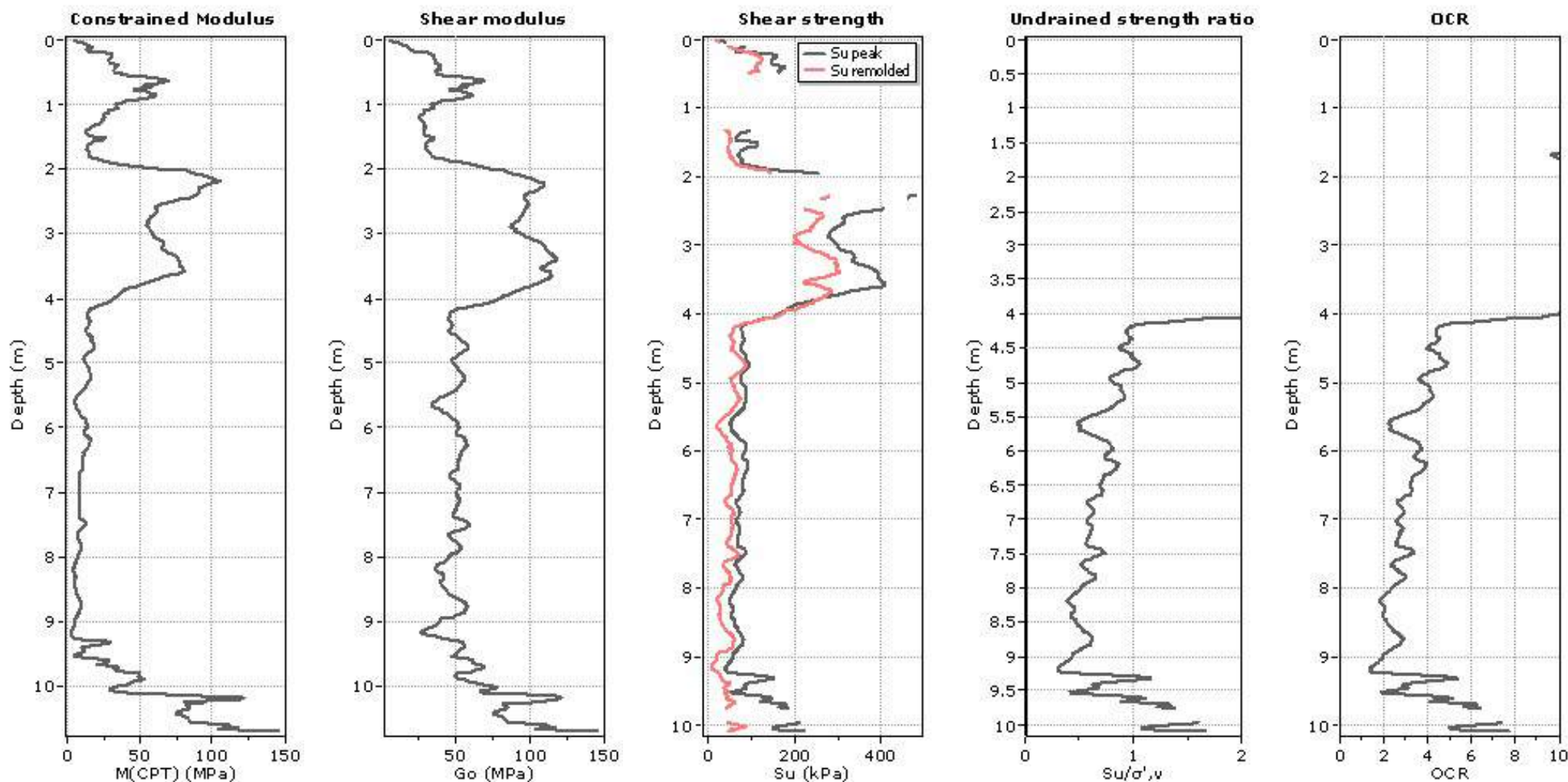
Relative density constant, C_{Dr} : 350.0

Phi: Based on Kulhavy & Mayne (1990)

● User defined estimation data

Project:

Location:



Calculation parameters

Constrained modulus: Based on variable α using I_c and Q_{tm} (Robertson, 2009)

Go: Based on variable α using I_c (Robertson, 2009)

Undrained shear strength cone factor for clays, N_{kt} : 14

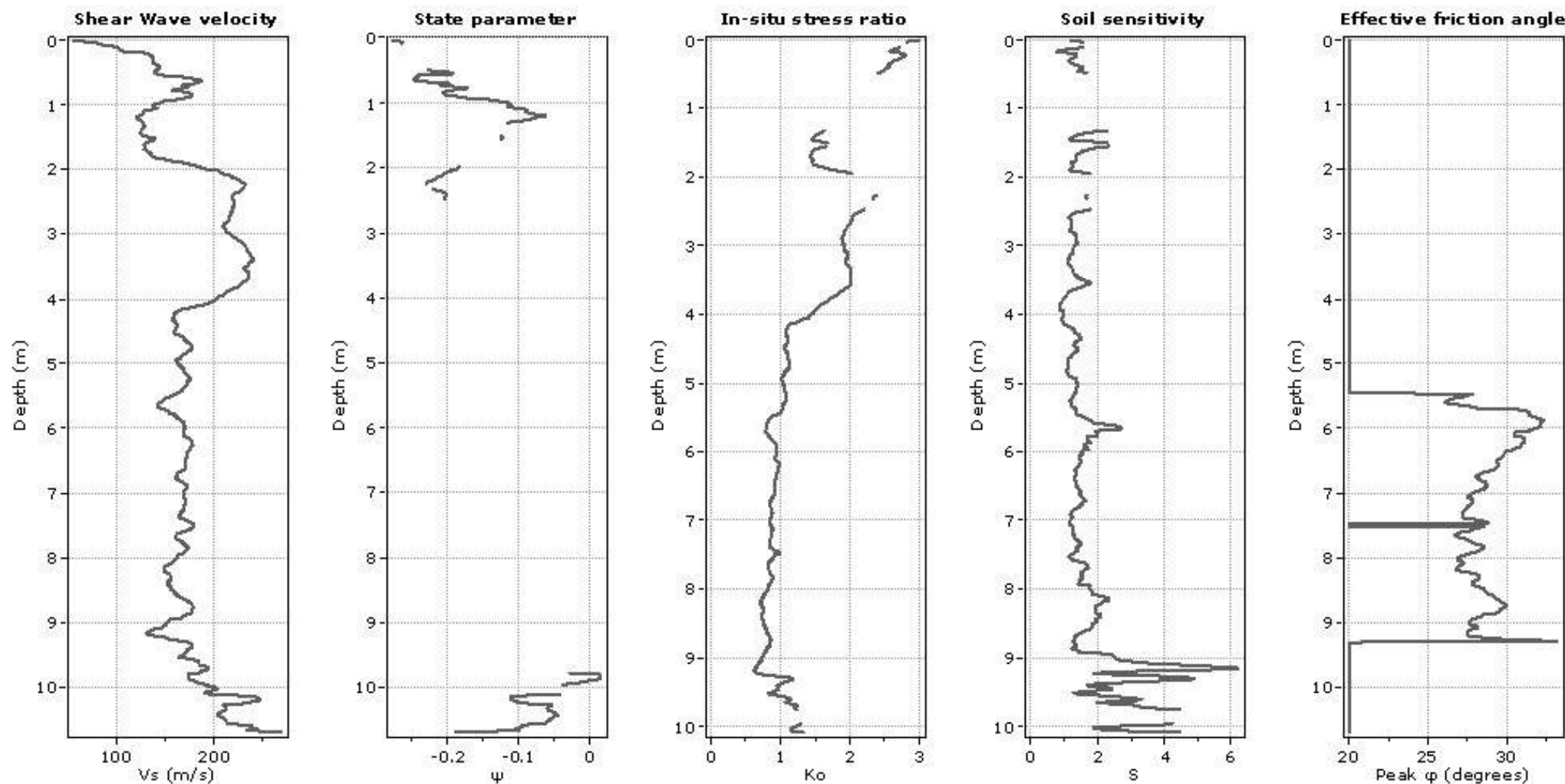
OCR factor for clays, N_{kt} : 0.33

—●— User defined estimation data

—●— Flat Dilatometer Test data

Project:

Location:



Calculation parameters

Soil Sensitivity factor, N_s : 7.00

—●— User defined estimation data