



## CONSORZIO DI BONIFICA PIANURA DI FERRARA

Sede legale e recapito postale:

44121 Ferrara - Via Borgo dei Leoni, 28 - C.F. 93076450381

web: [www.bonificaferrara.it](http://www.bonificaferrara.it) - e-mail: [info@bonificaferrara.it](mailto:info@bonificaferrara.it) - pec: [posta.certificata@pec.bonificaferrara.it](mailto:posta.certificata@pec.bonificaferrara.it)

aderente all'  Associazione Nazionale Bonifiche, Irrigazioni e Miglioramenti Fondiari

### SISTEMA IRRIGUO VALLE PEGA

#### PROGETTO DEFINITIVO ED ESECUTIVO

Provincia di Ferrara

Comuni di Comacchio e Ostellato

**Recupero, adeguamento e miglioramento  
funzionale del sistema irriguo di Valle Pega**

#### RELAZIONI TECNICHE E SPECIALISTICHE INQUADRAMENTO GENERALE - AUTORIZZAZIONI

Elaborato:

**INDAGINI GEOLOGICHE, IDROGEOLOGICHE  
E DI CARATTERIZZAZIONE SISMICA**  
**Rapporti di prova CPTU**

Codifica:

**1.4.5**

**Progetto generale e  
integrazione delle prestazioni  
specialistiche:**

Dott. Ing. Marco Volpin



**Progetto rete di distribuzione:**

**COGEST**  
engineering

Dott. Ing. Emiliano Corsi

**Progetto opere  
elettromeccaniche:**

**ELTEC S.r.l.**  
Società di ingegneria

Per. Ind. Deris Ortali

**Progetto impianti elettrici:**

**A A ENGINEERING**  
DI ANGELINI ANDREA

Per. Ind. Andrea Angelini

**Data:**

**28.06.2021**

**Il Responsabile  
del Procedimento**

Geom. Marco Ardizzoni

**Indagini geologiche:**



Dott. Geol. Antonio Mucchi

**Coordinamento sicurezza:**



Dott. Ing. Livia Burini

**Collaboratori:**

Dott. Ing. Laura Montanari

Per. Ind. Lorenzo Fantini

Rev.	Descrizione	Redatto	Verificato	Approvato	Data
A	Emissione	Mucchi A.	Mucchi A.	Mucchi A.	Aprile 2021
B					
C					

**LABORATORIO GOTECNICO Dr. ANTONIO MUCCHI**

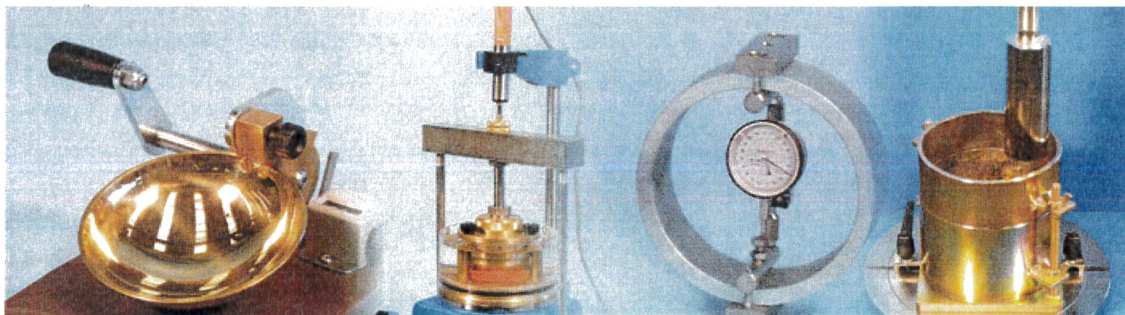
**mucchilab@tin.it - www.mucchilab.it**

**Autorizzazione del Ministero Infrastrutture e Trasporti**

**Per prove di laboratorio sui terreni – ai sensi dell'art. 59 del DPR 380/01**

**Via Alberto Ascari, 8 – 44019 Gualdo di Voghiera (FE)**

**Tel. 0532/ 815681**



**LABORATORIO PROVE MATERIALI**

**Aut. Min. ai sensi dell'art. 59 del D.P.R. n° 380/01**

**Terre - Inerti - Riciclati - Asfalti**



**www.mucchilab.it - Tel. 0532.815681 Gualdo (FE)**

**COMMITTENTE : CONSORZIO DI BONIFICA PIANURA DI FERRARA**

**CANTIERE : Valle Pega – Comacchio (FE)**

**PROGETTO : Recupero, adeguamento e miglioramento funzionale  
del sistema irriguo di Valle Pega**

**ALLEGATO D – RAPPORTI DI PROVA CPTU (n.10)**

Dott. Geol. Antonio Mucchi	Dott. Ing. Valentina Mucchi
	
	Ferrara, 21/07/2020 Prot 935 / 2020







## UBICAZIONE PROVA CPTU-1







Geo.Fe.

INDAGINI GEOLOGICHE

Commitente:Dott. Geol. Mucchi

Cantiere: Valle Pega - Comacchio (FE)

Data: 13/06/2020

ID Prova: CPTU 1

Profondita falda: a mt 1.50 da p.c.

Preforo: -

Profondità massima raggiunta: 20.00 mt

Punta sismica: Tecnopenta CPLSD

RIF. 37/20GF

Prova eseguita da:

GEO.FE. S.n.c.

via dell'Artigianato ,3 44033 - Riva del Po (FE)

tel 3383646278 - info@geofe.it - www.geofe.it

Responsabile dati: Dott.Geol.Zanella Fabio

Responsabile cantiere: Sig. Mangherini Alberto

Prof.	RP	RL	PN	Incl.	V.avanz	Prof.	RP	RL	PN	Incl.	V.avanz	Prof.	RP	RL	PN	Incl.	V.avanz
metri	kg/cm²	kg/cm²	kg/cm²	Gradi°	cm/sec	metri	kg/cm²	kg/cm²	kg/cm²	Gradi°	cm/sec	metri	kg/cm²	kg/cm²	kg/cm²	Gradi°	cm/sec
0.020	2.626	0.017	2.376	0.179	2.000	1.660	41.472	0.216	0.686	0.766	2.727	3.300	39.486	0.178	0.189	1.079	2.161
0.040	8.850	0.011	1.353	0.021	2.170	1.680	41.193	0.215	0.678	0.774	1.816	3.320	39.597	0.175	0.201	1.094	2.079
0.060	12.774	0.030	1.278	0.153	2.308	1.700	42.265	0.209	0.679	0.793	2.067	3.340	39.855	0.166	0.228	1.093	2.263
0.080	19.626	0.070	1.258	0.185	2.218	1.720	41.985	0.218	0.667	0.788	2.102	3.360	39.709	0.164	0.228	1.109	2.189
0.100	21.012	0.102	1.242	0.157	2.161	1.740	41.243	0.187	0.473	0.805	2.727	3.380	39.201	0.172	0.217	1.111	2.727
0.120	23.788	0.136	1.274	0.169	2.176	1.760	42.383	0.186	0.453	0.802	2.170	3.400	39.201	0.177	0.161	1.115	1.816
0.140	23.862	0.187	1.234	0.157	2.184	1.780	43.887	0.193	0.450	0.812	2.308	3.420	37.013	0.182	0.154	1.113	2.067
0.160	25.286	0.208	1.263	0.111	2.239	1.800	46.634	0.196	0.463	0.855	2.218	3.440	36.081	0.188	0.158	1.125	2.102
0.180	26.017	0.236	1.275	0.125	2.146	1.820	48.139	0.201	0.461	0.848	2.161	3.460	36.469	0.193	0.166	1.129	2.139
0.200	26.713	0.249	1.273	0.109	2.236	1.840	49.608	0.204	0.455	0.855	2.176	3.480	36.399	0.195	0.158	1.129	2.287
0.220	28.250	0.269	1.281	0.115	2.219	1.860	51.659	0.199	0.463	0.859	2.444	3.500	36.364	0.199	0.144	1.133	2.072
0.240	29.751	0.289	1.295	0.072	2.132	1.880	53.133	0.193	0.464	0.852	2.239	3.520	36.075	0.184	0.128	1.141	2.119
0.260	30.633	0.291	1.261	0.114	2.199	1.900	55.157	0.197	0.473	0.860	2.146	3.540	35.821	0.180	0.116	1.145	2.408
0.280	29.907	0.295	1.220	0.086	2.302	1.920	55.971	0.205	0.468	0.867	2.236	3.560	35.421	0.174	0.106	1.163	2.165
0.300	29.732	0.272	1.196	0.112	2.241	1.940	54.947	0.204	0.438	0.873	2.219	3.580	34.182	0.171	0.103	1.167	2.098
0.320	29.740	0.267	1.183	0.097	2.140	1.960	53.005	0.204	0.397	0.879	2.132	3.600	32.540	0.172	0.130	1.170	2.336
0.340	29.565	0.286	1.174	0.088	2.212	1.980	47.367	0.202	0.340	0.871	2.199	3.620	30.533	0.168	0.189	1.177	2.189
0.360	30.487	0.303	1.194	0.076	2.283	2.000	47.163	0.217	0.312	0.875	2.302	3.640	28.819	0.165	0.250	1.174	2.203
0.380	31.665	0.333	1.253	0.092	2.169	2.020	48.299	0.235	0.324	0.876	2.241	3.660	27.433	0.170	0.263	1.182	2.075
0.400	36.534	0.370	1.437	0.108	2.094	2.040	51.119	0.237	0.357	0.878	2.140	3.680	26.157	0.172	0.272	1.189	2.347
0.420	43.812	0.441	1.648	0.111	2.248	2.060	53.984	0.234	0.386	0.901	2.212	3.700	25.830	0.173	0.266	1.196	2.202
0.440	50.655	0.572	1.868	0.117	2.143	2.080	53.916	0.245	0.377	0.894	2.283	3.720	26.965	0.168	0.249	1.200	2.177
0.460	53.894	0.746	2.021	0.104	2.089	2.100	51.608	0.248	0.342	0.909	2.169	3.740	26.964	0.153	0.222	1.185	2.000
0.480	55.335	0.953	2.133	0.139	2.173	2.120	48.070	0.234	0.294	0.896	2.094	3.760	27.917	0.140	0.178	1.193	2.308
0.500	54.721	1.111	2.126	0.155	2.139	2.140	45.113	0.224	0.256	0.904	2.248	3.780	27.775	0.143	0.121	1.193	2.170
0.520	51.204	1.173	1.969	0.157	2.104	2.160	40.844	0.218	0.205	0.906	2.143	3.800	28.035	0.137	0.071	1.221	2.218
0.540	35.807	1.491	1.460	0.201	2.943	2.180	37.122	0.215	0.164	0.914	2.089	3.820	28.513	0.130	0.046	1.211	2.161
0.560	32.930	1.430	1.381	0.233	1.311	2.200	34.788	0.217	0.139	0.915	2.173	3.840	28.150	0.132	0.029	1.221	2.176
0.580	32.901	1.273	1.418	0.257	2.139	2.220	34.098	0.224	0.138	0.918	2.139	3.860	28.554	0.142	0.025	1.230	2.444
0.600	33.125	1.061	1.423	0.294	2.000	2.240	36.039	0.233	0.160	0.919	2.104	3.880	29.395	0.150	0.023	1.237	2.239
0.620	33.125	1.061	1.423	0.294	2.000	2.260	39.989	0.241	0.209	0.925	2.943	3.900	32.138	0.158	0.019	1.240	2.146
0.640	31.961	0.749	1.405	0.316	2.000	2.280	42.624	0.260	0.248	0.921	1.311	3.920	34.221	0.170	0.012	1.242	2.236
0.660	31.455	0.640	1.375	0.347	2.076	2.300	41.641	0.265	0.238	0.922	2.139	3.940	34.990	0.188	0.189	1.246	2.261
0.680	30.183	0.557	1.342	0.371	2.063	2.320	40.586	0.247	0.224	0.930	2.000	3.960	35.430	0.193	0.189	1.236	2.132
0.700	30.111	0.478	1.328	0.388	2.390	2.340	40.407	0.234	0.217	0.931	2.000	3.980	36.199	0.192	0.201	1.256	2.199
0.720	29.711	0.405	1.303	0.400	2.000	2.360	41.689	0.235	0.228	0.936	2.000	4.000	37.807	0.189	0.228	1.259	2.302
0.740	29.531	0.333	1.120	0.471	2.000	2.380	44.618	0.233	0.268	0.960	2.076	4.020	39.598	0.186	0.228	1.265	2.241
0.760	30.596	0.309	1.117	0.478	2.192	2.400	48.971	0.229	0.325	0.958	2.063	4.040	40.184	0.182	0.217	1.259	2.241
0.780	31.990	0.275	1.124	0.495	2.106	2.420	52.486	0.225	0.360	0.958	2.390	4.060	40.075	0.174	0.161	1.270	2.212
0.800	34.442	0.253	1.153	0.503	2.119	2.440	55.061	0.226	0.403	0.961	2.000	4.080	40.039	0.169	0.154	1.270	2.283
0.820	37.150	0.238	1.180	0.521	2.212	2.460	58.335	0.228	0.462	0.945	2.000	4.100	39.382	0.167	0.158	1.278	2.169
0.840	39.895	0.216	1.206	0.523	2.141	2.480	59.332	0.206	0.468	0.961	2.192	4.120	38.141	0.170	0.166	1.285	2.094
0.860	42.090	0.208	1.219	0.540	2.098	2.500	58.602	0.207	0.447	0.964	2.106	4.140	38.033	0.172	0.158	1.296	2.248
0.880	45.075	0.261	1.129	0.586	2.054	2.620	42.268	0.229	0.189	0.979	2.243	4.260	38.072	0.153	0.103	1.341	2.104
0.900	43.947	0.264	1.088	0.601	2.045	2.640	41.981	0.234	0.189	0.979	2.141	4.280	32.962	0.143	0.130	1.347	2.943
0.920	42.855	0.266	1.060	0.608	2.278	2.660	43.081	0.242	0.201	0.989	2.048	4.280	35.992	0.145	0.144	1.298	2.143
0.940	46.124	0.234	1.197	0.571	2.091	2.680	44.912	0.240	0.228	0.986	2.141	4.200	41.943	0.168	0.116	1.334	2.173
0.960	46.276	0.246	1.172	0.580	2.000	2.580	45.546	0.216	0.228	0.981	2.098	4.220	40.841	0.165	0.106	1.334	2.139
0.980	43.563	0.273	1.051	0.618	2.054	2.700	45.391	0.244	0.228	1.004	2.054	4.340	32.046	0.162	0.272	1.383	2.000
1.000	43.825	0.290	1.049	0.631	2.095	2.720	44.702	0.232	0.217	1.004	2.045	4.360	34.750	0.158	0.266	1.385	2.000
1.020	41.112	0.286	0.942	0.629	2.286	2.860	43.835	0.233	0.128	0.969	2.256	4.400	36.185	0.162	0.178	1.397	2.390
1.040	40.604	0.274	0.923	0.644	2.129	2.880	43.325	0.233	0.116	0.977	2.130	4.520	52.103	0.213	0.025	1.405	2.119
1.060	44.350	0.311	1.028	0.613	2.130	2.800	45.105	0.225	0.166	0.956	2.266	4.440	42.130	0.199	0.121	1.393	2.000
1.080	43.076	0.302	0.990	0.614	2.111	2.820	45.218	0.238	0.158	0.972	2.095	4.460	47.244	0.246	0.071	1.392	2.000
1.100	43.583	0.301	0.955	0.624	2.266	2.720	44.702	0.232	0.217	1.004	2.045	4.360	34.750	0.158	0.266	1.385	2.000
1.120	41.583	0.290	1.049	0.631	2.095	2.740	42.168	0.197	0.161	1.001	2.278	4.380	35.992	0.151	0.249	1.381	2.076
1.140	44.304	0.301	1.049	0.613	2.054	2.760	43.122	0.195	0.154	1.011	2.091	4.400	36.185	0.162	0.178	1.397	2.390
1.160	45.003	0.309	1.054	0.606	2.256	2.780	44.042	0.202	0.158	1.029	2.054	4.420	38.760	0.162	0.178	1.397	2.390
1.180	44.350	0.311	1.028	0.613	2.130	2.800	45.105	0.225	0.166	0.956	2.266	4.440	42.130	0.199	0.121	1.393	2.000
1.200	43.076	0.302	0.990	0.614	2.111	2.820	45.218	0.238	0.158	0.972	2.095	4.460	47.244	0.246	0.071	1.392	2.000
1.220	41.583	0.290	1.049	0.631	2.095	2.740	42.168	0.197	0.161	1.001	2.278	4.380	35.992	0.151	0.249	1.381	2.076
1.240	40.604	0.274	0.923	0.644	2.129	2.880	43.325	0.233	0.116	0.977	2.130	4.520	52.103	0.213	0.025	1.405	2.119
1.260	39.550	0.263	0.891	0.656	2.054	2.900	43.109	0.225	0.106	0.991	2.111	4.540	50.168	0.157	0.203	1.407	







[illegible]





Geo.Fe.

INDAGINI GEOLOGICHE

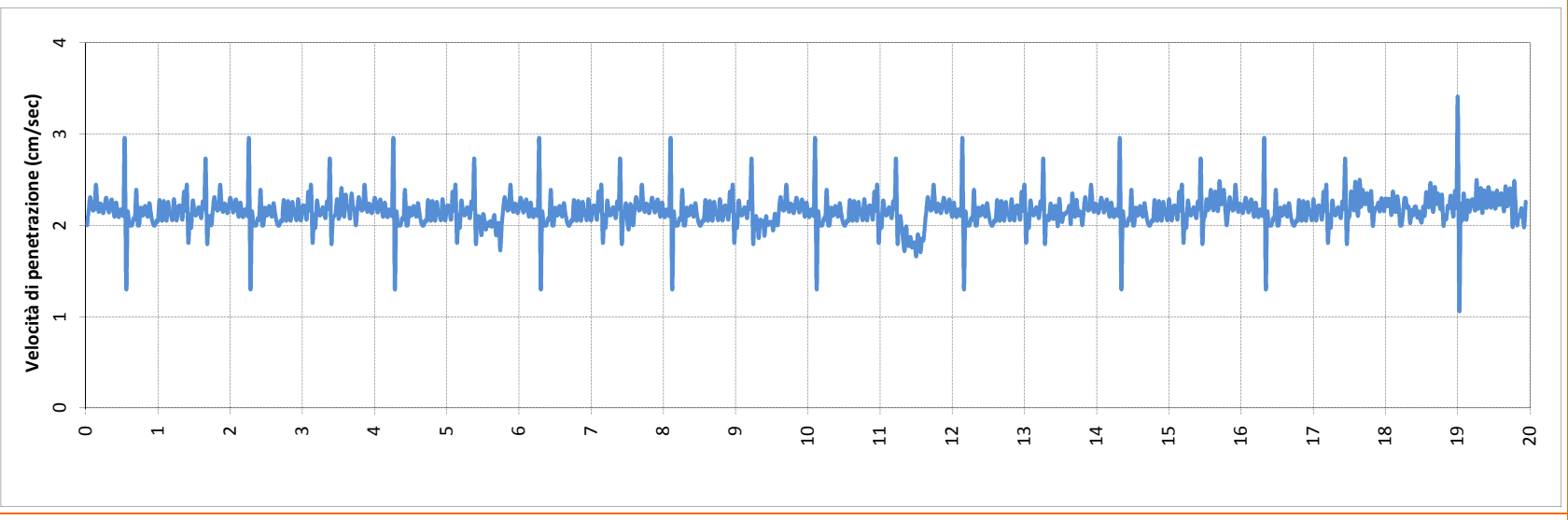
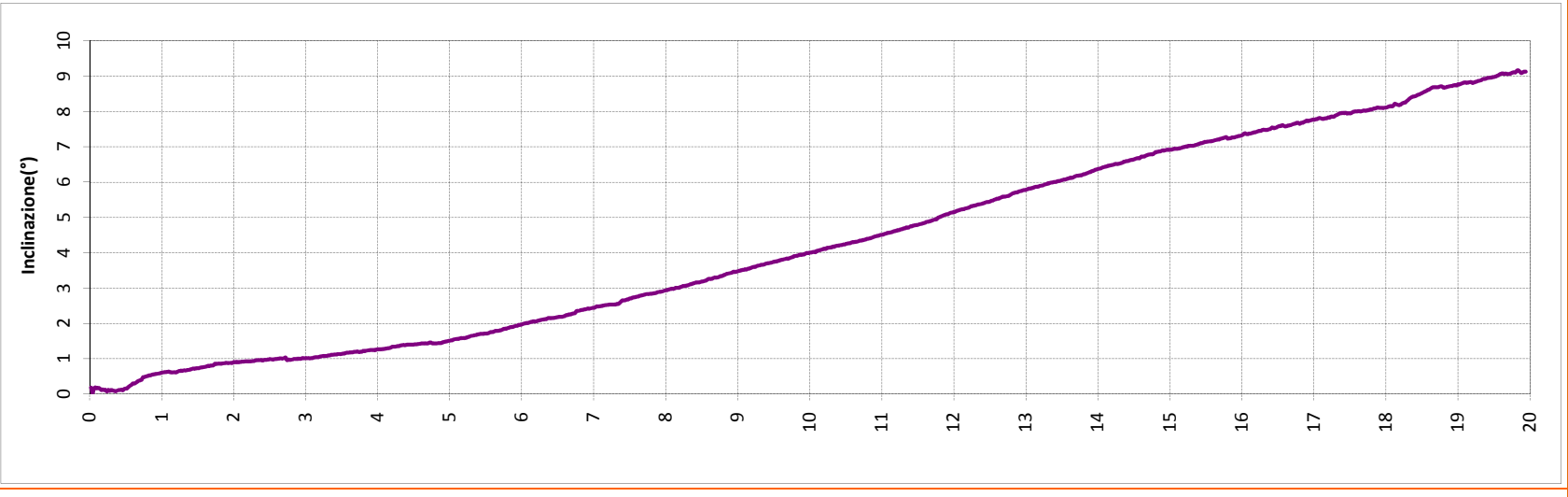
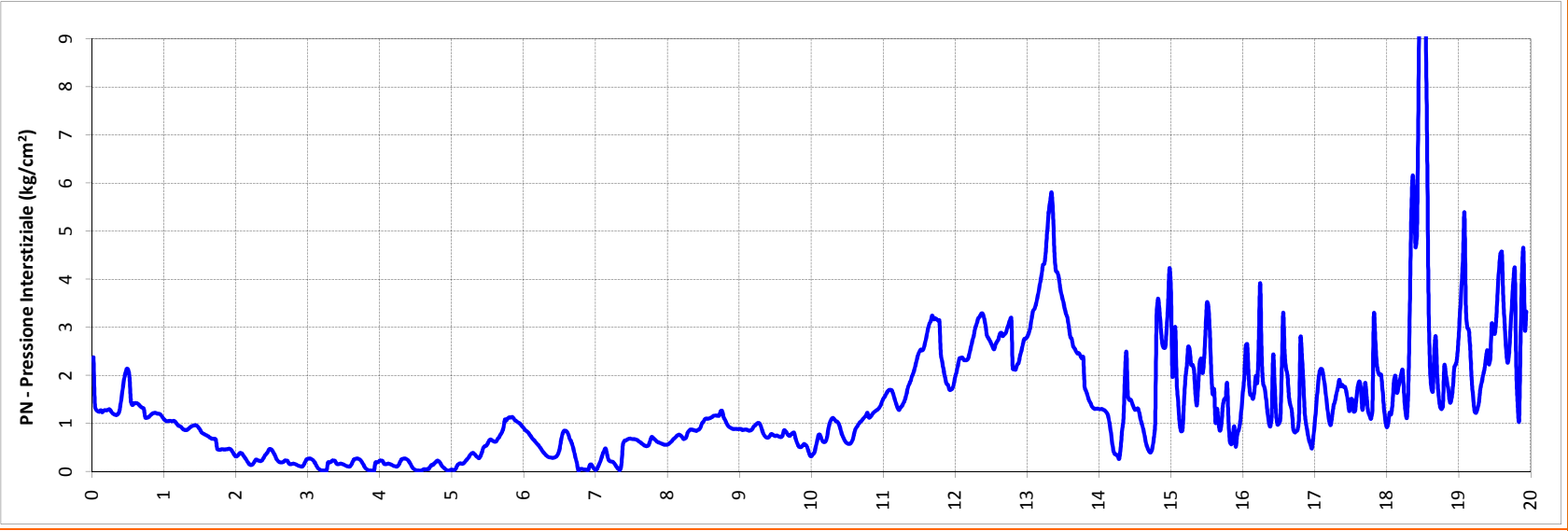
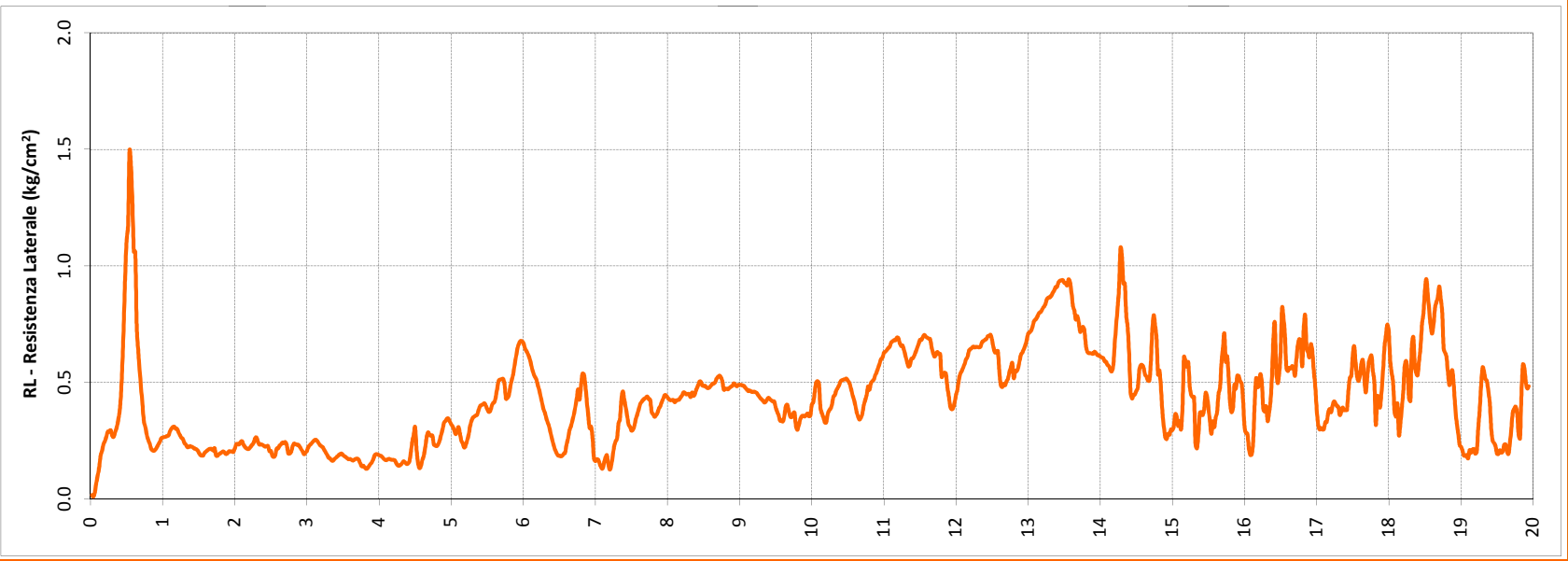
Committente:Dott. Geol. Mucchi  
Cantiere: Valle Pega - Comacchio (FE)  
Data: 13/06/2020

ID Prova: CPTU 1  
Profondita falda: a mt 1.50 da p.c.  
Preforo: -

Profondità massima raggiunta: 20.00 mt  
Punta sismica: Tecnopenta CPLSD  
RIF. 37/20GF

Prova eseguita da:  
**GEO.FE. S.n.c.**  
via dell'Artigianato ,3 44033 - Riva del Po (FE)  
tel [3383646278](mailto:info@geofe.it) - [info@geofe.it](mailto:info@geofe.it) - [www.geofe.it](http://www.geofe.it)  
Responsabile dati: Dott.Geol.Zanella Fabio  
Responsabile cantiere: Sig. Mangherini Alberto

GRAFICI PROVA CPTU 1





## UBICAZIONE PROVA CPTU-2





Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Gradi °	Gradi °	PN	RL	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>
-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	---------	---------	----	----	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------



[illegible]



[illegible]





Geo.Fe.

INDAGINI GEOLOGICHE

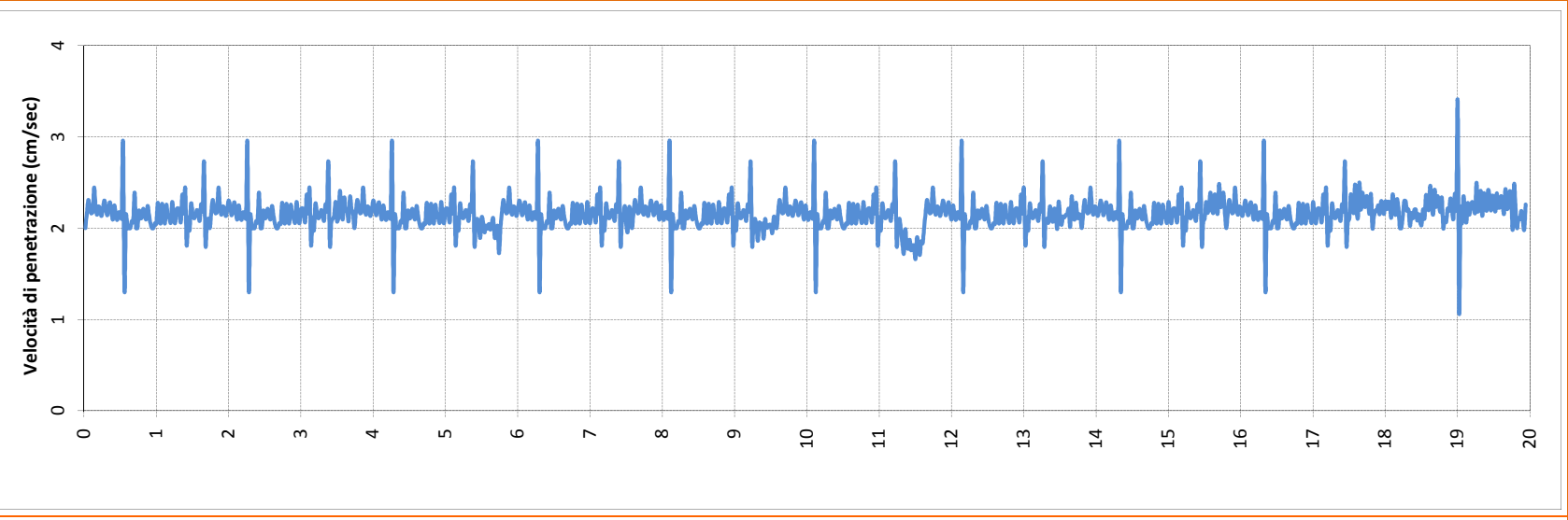
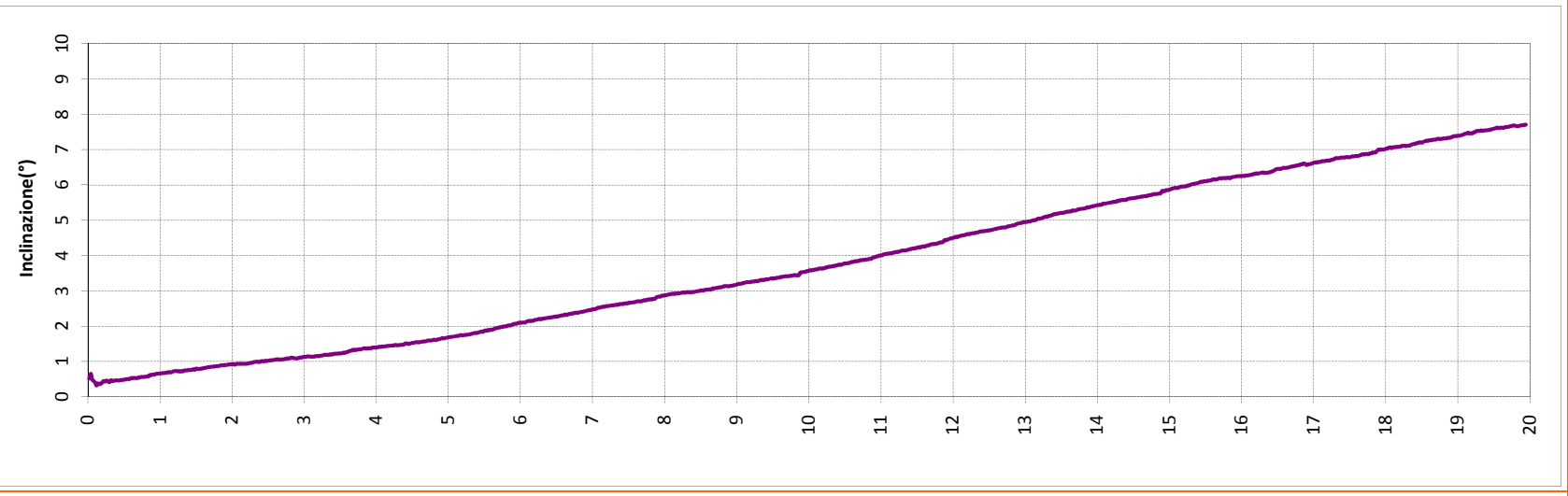
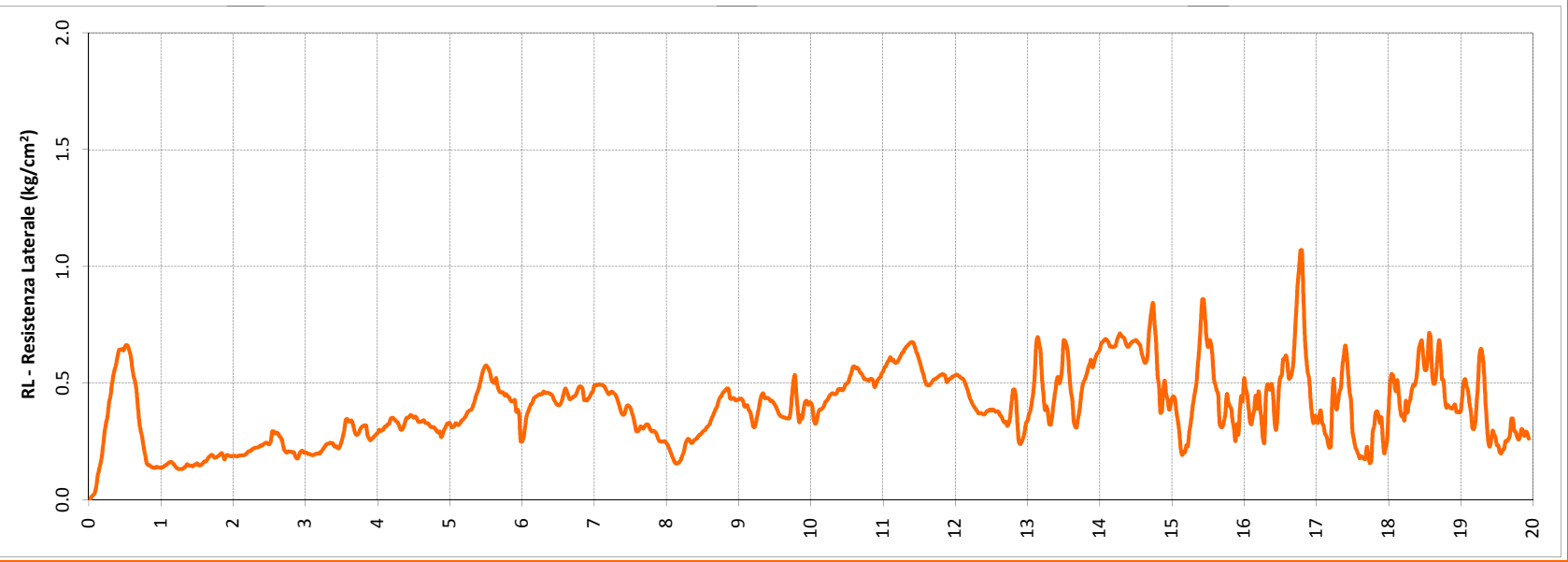
Committente:Dott. Geol. Mucchi  
Cantiere: Valle Pega - Comacchio (FE)  
Data: 13/06/2020

ID Prova: CPTU 2  
Profondità falda: a mt 1.50 da p.c.  
Preforo: -

Profondità massima raggiunta: 20.00 mt  
Punta sismica: Tecnopenta CPLSD  
RIF. 37/20GF

Prova eseguita da:  
**GEO.FE. S.n.c.**  
via dell'Artigianato ,3 44033 - Riva del Po (FE)  
tel [3383646278](mailto:info@geofe.it) - [info@geofe.it](mailto:info@geofe.it) - [www.geofe.it](http://www.geofe.it)  
Responsabile dati: Dott.Geol.Zanella Fabio  
Responsabile cantiere: Sig. Mangherini Alberto

GRAFICI PROVA CPTU 2



## UBICAZIONE PROVA CPTU-3





Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.
-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------	--------	-------	----	----	----	-------





[illegible]



Geo.Fe.

INDAGINI GEOLOGICHE

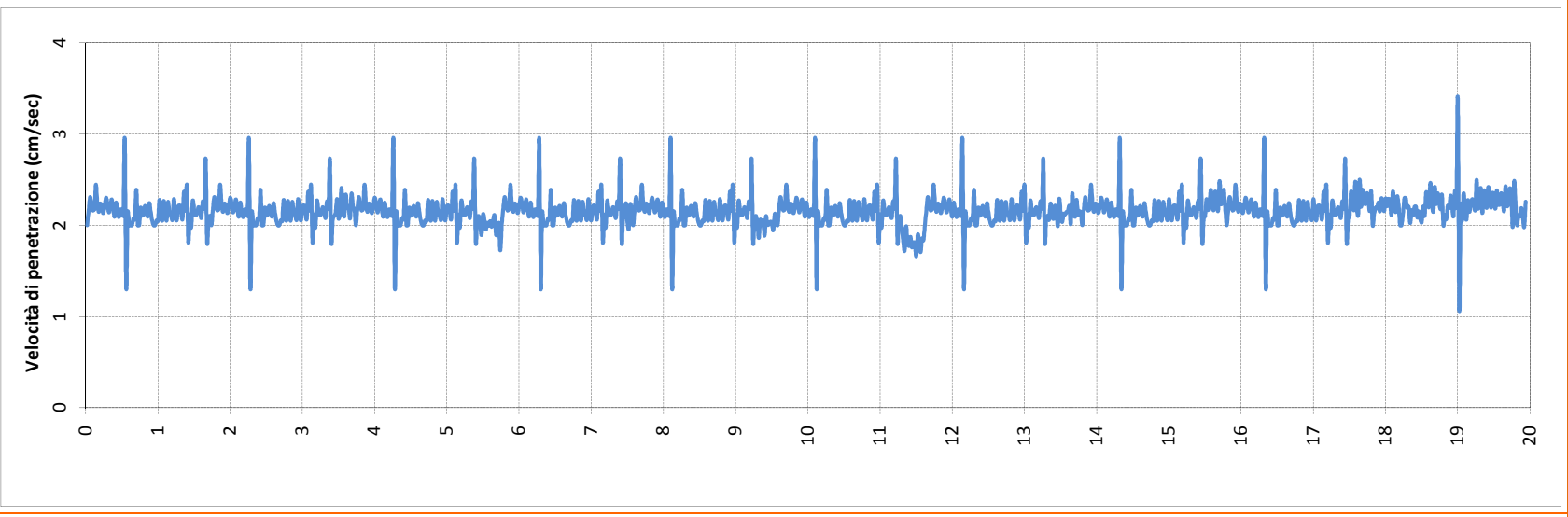
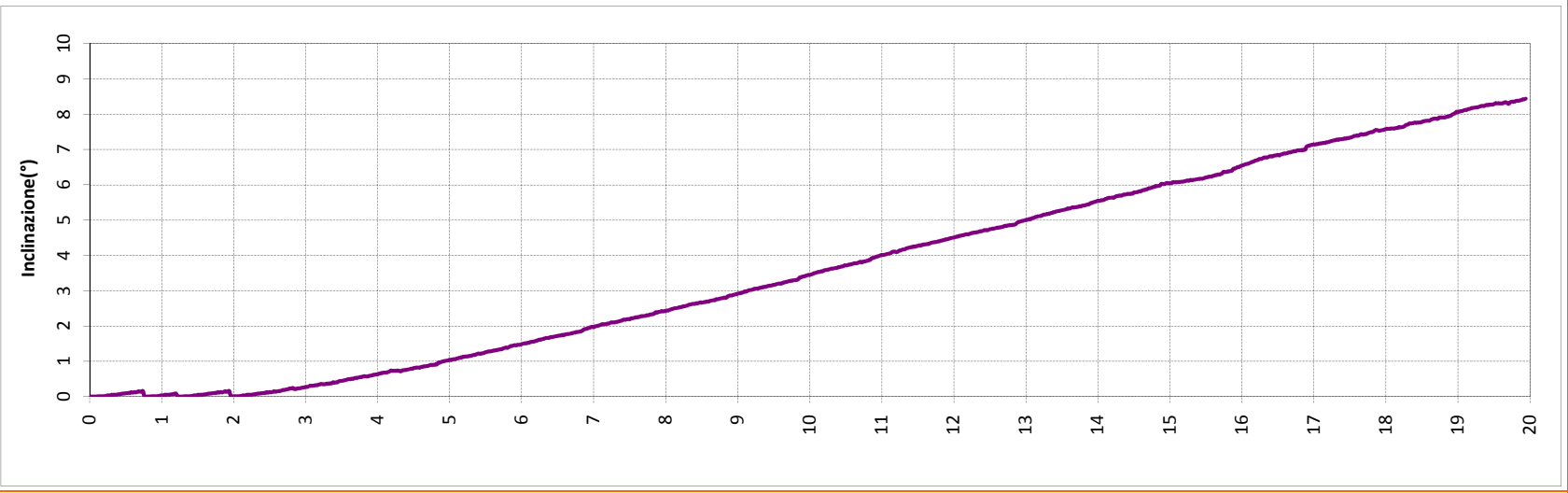
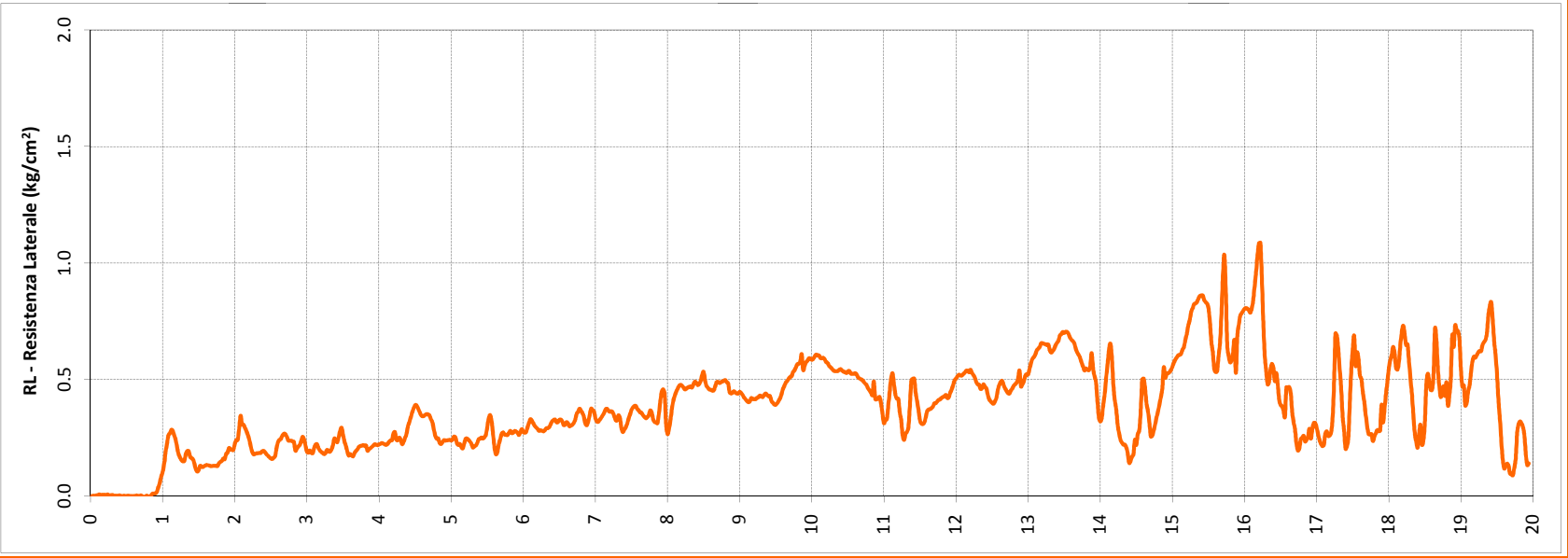
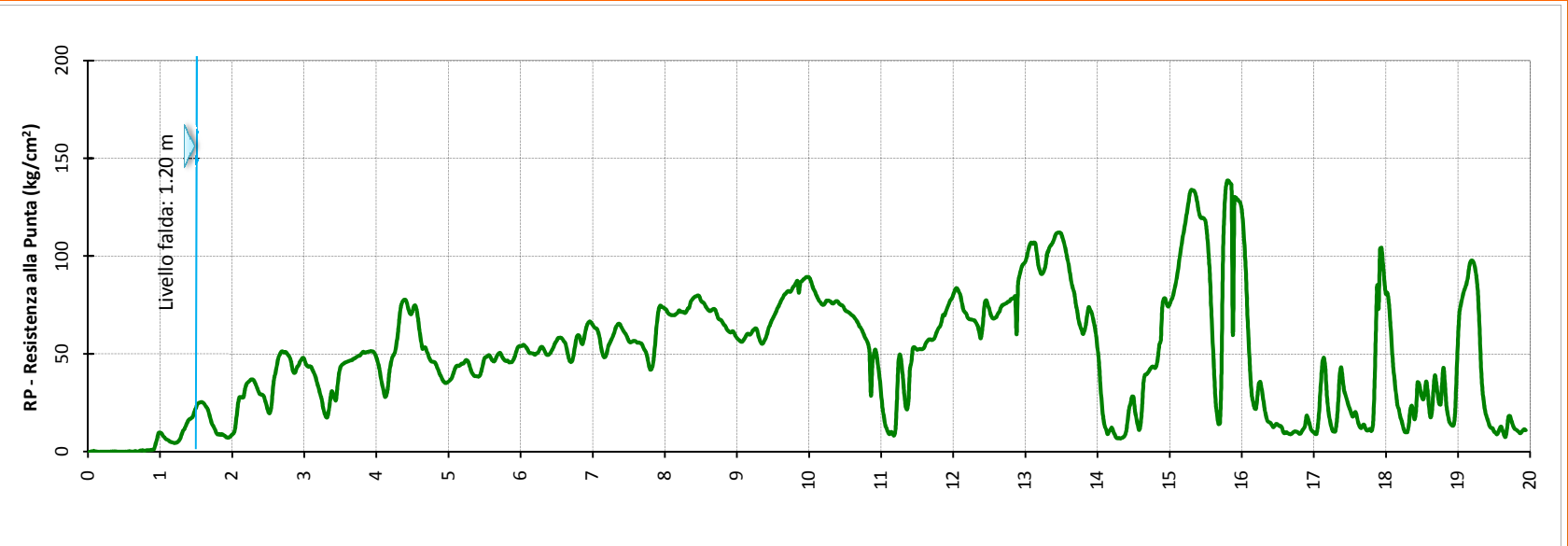
Committente:Dott. Geol. Mucchi  
Cantiere: Valle Pega - Comacchio (FE)  
Data: 13/06/2020

ID Prova: CPTU 3  
Profondita falda: a mt 1.20 da p.c.  
Preforo: 1 mt

Profondità massima raggiunta: 20.00 mt  
Punta sismica: Tecnopenta CPLSD  
RIF. 37/20GF

Prova eseguita da:  
**GEO.FE. S.n.c.**  
via dell'Artigianato ,3 44033 - Riva del Po (FE)  
tel [3383646278](mailto:info@geofe.it) - [info@geofe.it](mailto:info@geofe.it) - [www.geofe.it](http://www.geofe.it)  
Responsabile dati: Dott.Geol.Zanella Fabio  
Responsabile cantiere: Sig. Mangherini Alberto

GRAFICI PROVA CPTU 3





## UBICAZIONE PROVA CPTU-4





Geo.Fe.

INDAGINI GEOLOGICHE

Commitente:Dott. Geol. Mucchi

Cantiere: Valle Pega - Comacchio (FE)

Data: 13/06/2020

ID Prova: CPTU 4

Profondita falda: a mt 1.50 da p.c.

Preforo: -

Profondità massima raggiunta: 20.00 mt

Punta sismica: Tecnopenta CPLSD

RIF. 37/20GF

Prova eseguita da:

GEO.FE. S.n.c.

via dell'Artigianato ,3 44033 - Riva del Po (FE)

tel 3383646278 - info@geofe.it - www.geofe.it

Responsabile dati: Dott.Geol.Zanella Fabio

Responsabile cantiere: Sig. Mangherini Alberto

Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz
metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec
0.020	16.560	0.011	1.905	0.574	2.000	1.660	50.330	0.161	0.597	1.390	2.727	3.300	68.102	0.253	0.207	2.274	2.161	4.940	76.994	0.267	0.509	2.956	2.286
0.040	40.110	0.016	1.780	0.508	2.170	1.680	52.171	0.139	0.609	1.404	1.816	3.320	67.587	0.250	0.216	2.274	2.079	4.960	80.375	0.279	0.565	2.976	2.129
0.060	49.610	0.115	1.657	0.512	2.308	1.700	52.951	0.132	0.592	1.415	2.067	3.340	69.129	0.244	0.289	2.283	2.263	4.980	80.707	0.291	0.554	2.972	2.054
0.080	50.817	0.236	1.660	0.432	2.218	1.720	53.327	0.133	0.584	1.435	2.102	3.360	71.076	0.234	0.338	2.290	2.189	5.000	79.789	0.318	0.519	2.993	2.206
0.100	50.122	0.299	1.551	0.465	2.161	1.740	53.663	0.138	0.582	1.460	2.000	3.380	73.279	0.228	0.338	2.301	2.727	5.020	79.936	0.321	0.516	3.001	2.218
0.120	47.051	0.358	1.390	0.465	2.176	1.760	54.042	0.152	0.562	1.462	2.170	3.400	74.638	0.223	0.360	2.299	1.816	5.040	77.770	0.315	0.454	3.016	2.144
0.140	44.713	0.442	1.297	0.487	2.444	1.780	55.373	0.161	0.585	1.471	2.308	3.420	72.653	0.216	0.316	2.302	2.067	5.060	74.538	0.306	0.382	3.015	2.069
0.160	43.288	0.552	1.233	0.460	2.239	1.800	57.733	0.178	0.641	1.484	2.128	3.440	70.561	0.210	0.278	2.314	2.102	5.080	71.967	0.302	0.371	3.035	2.368
0.180	42.849	0.632	1.205	0.450	2.146	1.820	58.090	0.158	0.476	1.494	2.161	3.460	69.826	0.201	0.274	2.323	2.139	5.100	69.727	0.308	0.343	3.033	2.160
0.200	42.776	0.681	1.213	0.461	2.236	1.840	59.528	0.181	0.449	1.504	2.176	3.480	68.026	0.205	0.247	2.327	2.287	5.120	63.885	0.318	0.344	3.052	2.439
0.220	42.263	0.658	1.192	0.487	2.219	1.860	60.121	0.186	0.420	1.516	2.444	3.500	63.251	0.223	0.185	2.340	2.072	5.140	61.571	0.315	0.193	3.057	1.812
0.240	42.116	0.651	1.168	0.506	2.132	1.880	59.943	0.194	0.403	1.532	2.239	3.520	58.881	0.228	0.141	2.345	2.119	5.160	54.150	0.284	0.125	3.074	2.114
0.260	41.676	0.654	1.147	0.497	2.199	1.900	59.250	0.210	0.369	1.536	2.146	3.540	56.898	0.228	0.125	2.348	2.408	5.180	51.726	0.272	0.111	3.082	1.974
0.280	40.870	0.674	1.118	0.531	2.302	1.920	57.493	0.216	0.329	1.540	2.236	3.560	55.025	0.231	0.119	2.359	2.098	5.200	50.090	0.256	0.110	3.085	2.265
0.300	40.065	0.751	1.099	0.566	2.241	1.940	57.533	0.222	0.328	1.548	2.219	3.580	53.850	0.229	0.112	2.363	2.098	5.220	50.990	0.241	0.141	3.099	2.175
0.320	39.114	0.766	1.087	0.576	2.140	1.960	58.676	0.242	0.351	1.558	2.132	3.600	51.942	0.230	0.090	2.369	2.336	5.240	53.551	0.232	0.196	3.113	2.108
0.340	37.835	0.818	1.070	0.606	2.212	1.980	60.260	0.237	0.374	1.574	2.199	3.620	49.933	0.225	0.074	2.378	2.189	5.260	58.874	0.215	0.292	3.113	2.126
0.360	36.156	0.828	1.012	0.605	2.283	2.000	60.924	0.240	0.370	1.562	2.302	3.640	49.971	0.214	0.084	2.387	2.203	5.280	65.262	0.209	0.399	3.126	2.197
0.380	33.125	0.870	0.923	0.612	2.169	2.020	61.221	0.246	0.374	1.591	2.241	3.660	52.494	0.201	0.133	2.401	2.075	5.300	70.032	0.206	0.466	3.134	2.161
0.400	29.876	0.903	0.832	0.628	2.094	2.040	63.023	0.254	0.410	1.605	2.140	3.680	55.286	0.190	0.185	2.401	2.051	5.320	71.280	0.206	0.483	3.151	2.079
0.420	26.772	0.960	0.737	0.638	2.248	2.060	66.625	0.260	0.484	1.607	2.212	3.700	61.017	0.175	0.271	2.407	2.202	5.340	71.460	0.207	0.479	3.159	2.263
0.440	24.398	0.996	0.686	0.654	2.143	2.080	70.117	0.258	0.541	1.616	2.283	3.720	66.343	0.175	0.357	2.421	2.177	5.360	70.063	0.211	0.443	3.165	2.189
0.460	21.089	1.008	0.585	0.676	2.089	2.100	73.058	0.249	0.584	1.623	2.169	3.740	68.547	0.204	0.386	2.425	2.000	5.380	68.813	0.224	0.423	3.179	2.727
0.480	17.761	1.028	0.535	0.678	2.173	2.120	75.962	0.248	0.625	1.633	2.094	3.760	69.687	0.265	0.403	2.462	2.170	5.400	69.436	0.233	0.443	3.173	1.816
0.500	15.723	0.992	0.698	0.698	2.139	2.140	75.670	0.247	0.589	1.641	2.248	3.780	70.130	0.270	0.401	2.480	2.308	5.420	71.749	0.245	0.517	3.176	2.067
0.520	14.887	1.031	0.496	0.716	2.104	2.160	71.744	0.244	0.490	1.657	2.143	3.800	70.757	0.258	0.406	2.479	2.218	5.440	75.677	0.252	0.605	3.182	2.102
0.540	14.960	0.964	0.535	0.732	2.943	2.180	66.789	0.243	0.399	1.660	2.089	3.820	72.008	0.255	0.429	2.487	2.161	5.460	77.255	0.245	0.621	3.193	2.026
0.560	15.543	0.851	0.596	0.728	1.311	2.200	63.523	0.249	0.353	1.681	2.173	3.840	73.145	0.235	0.412	2.493	2.176	5.480	77.070	0.251	0.607	3.195	1.892
0.580	16.091	0.704	0.574	0.734	2.139	2.220	60.440	0.264	0.315	1.674	2.139	3.860	76.529	0.242	0.413	2.501	2.444	5.500	74.975	0.262	0.549	3.195	2.117
0.600	14.417	0.633	0.534	0.742	2.000	2.240	58.166	0.270	0.292	1.672	2.104	3.880	77.598	0.261	0.400	2.520	2.239	5.520	72.292	0.272	0.489	3.203	2.062
0.620	13.108	0.535	0.474	0.760	2.000	2.260	57.286	0.286	0.293	1.692	2.943	3.900	76.719	0.280	0.354	2.519	2.146	5.540	68.545	0.279	0.421	3.214	1.953
0.640	12.127	0.481	0.445	0.756	2.000	2.280	56.260	0.299	0.291	1.703	1.311	3.920	74.557	0.300	0.304	2.534	2.236	5.560	64.733	0.282	0.337	3.215	2.027
0.660	11.804	0.439																					



[illegible]

[illegible]





Geo.Fe.

INDAGINI GEOLOGICHE

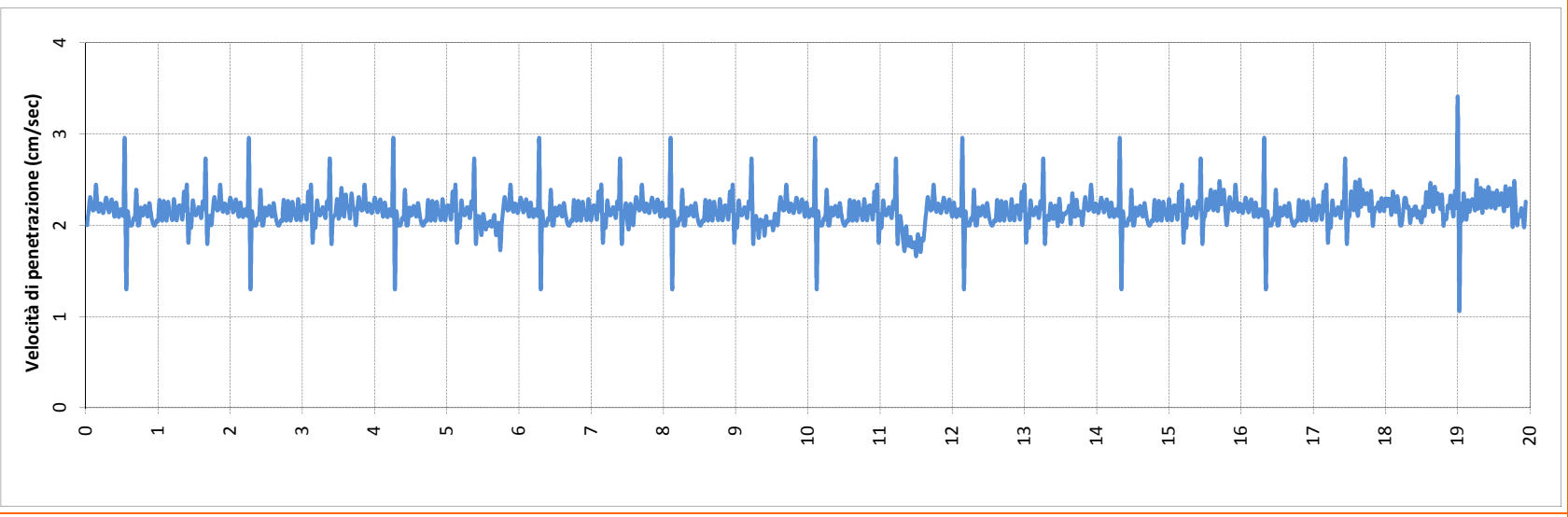
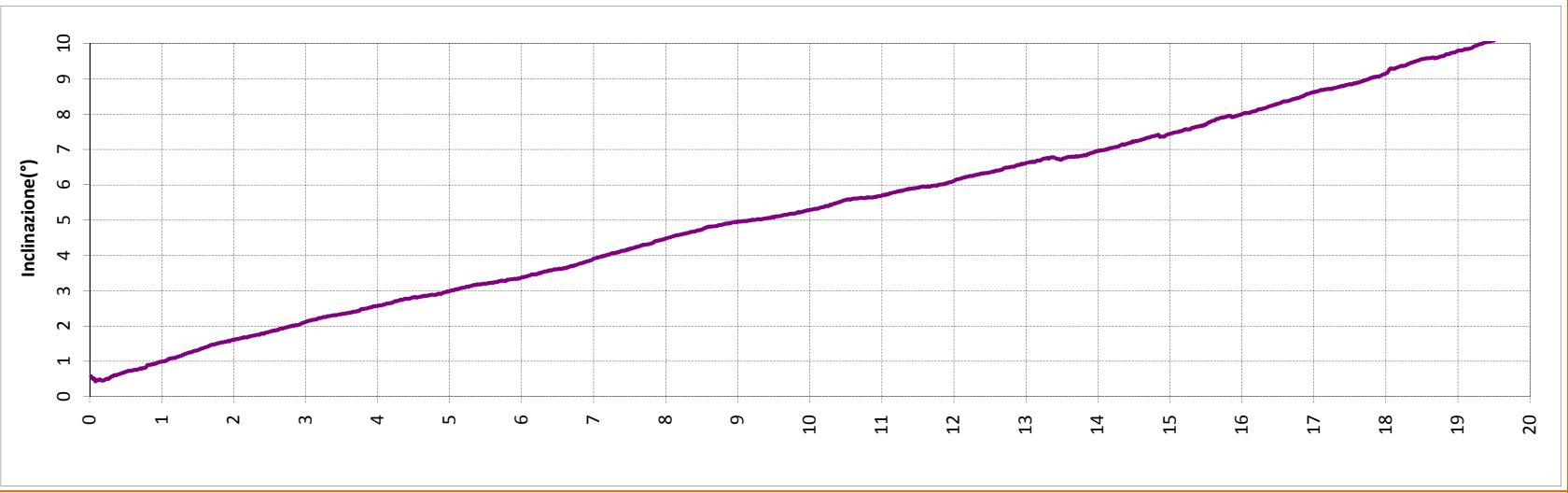
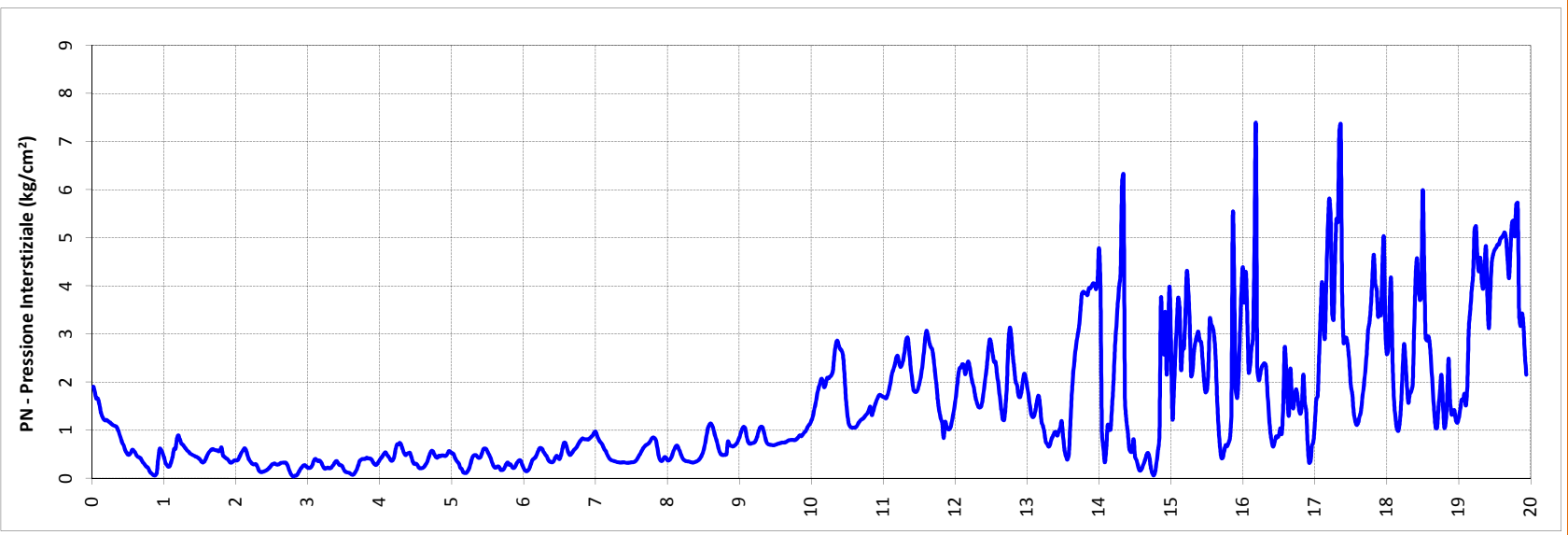
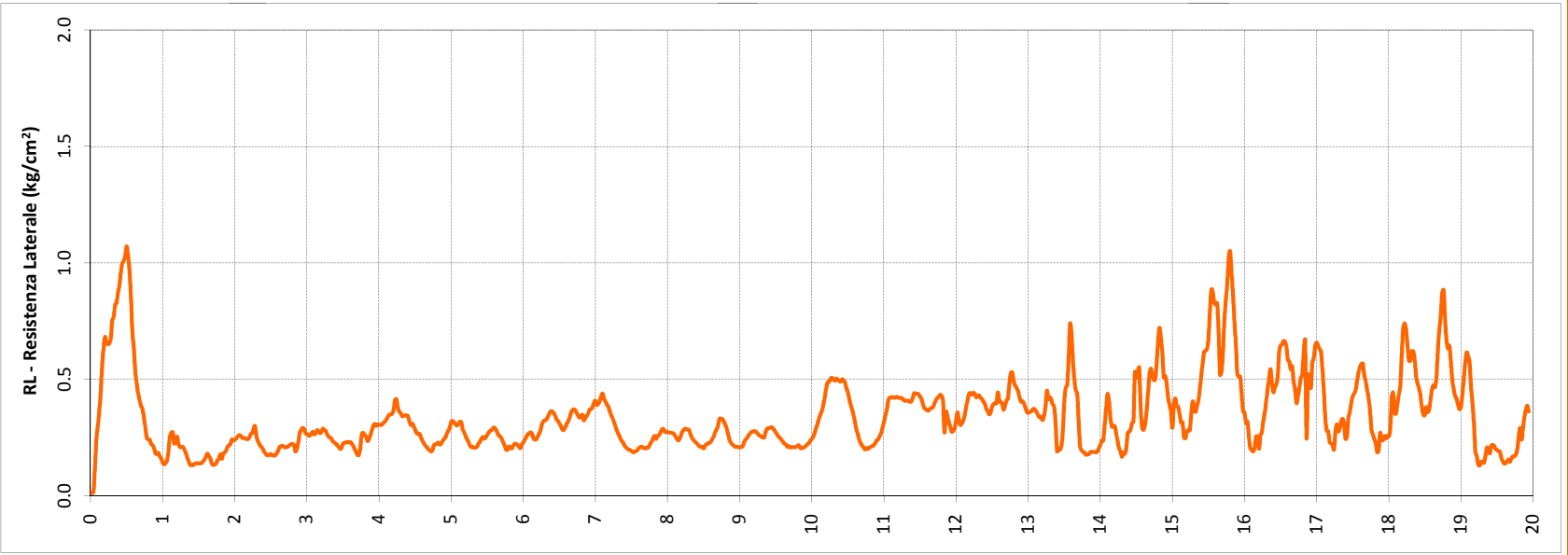
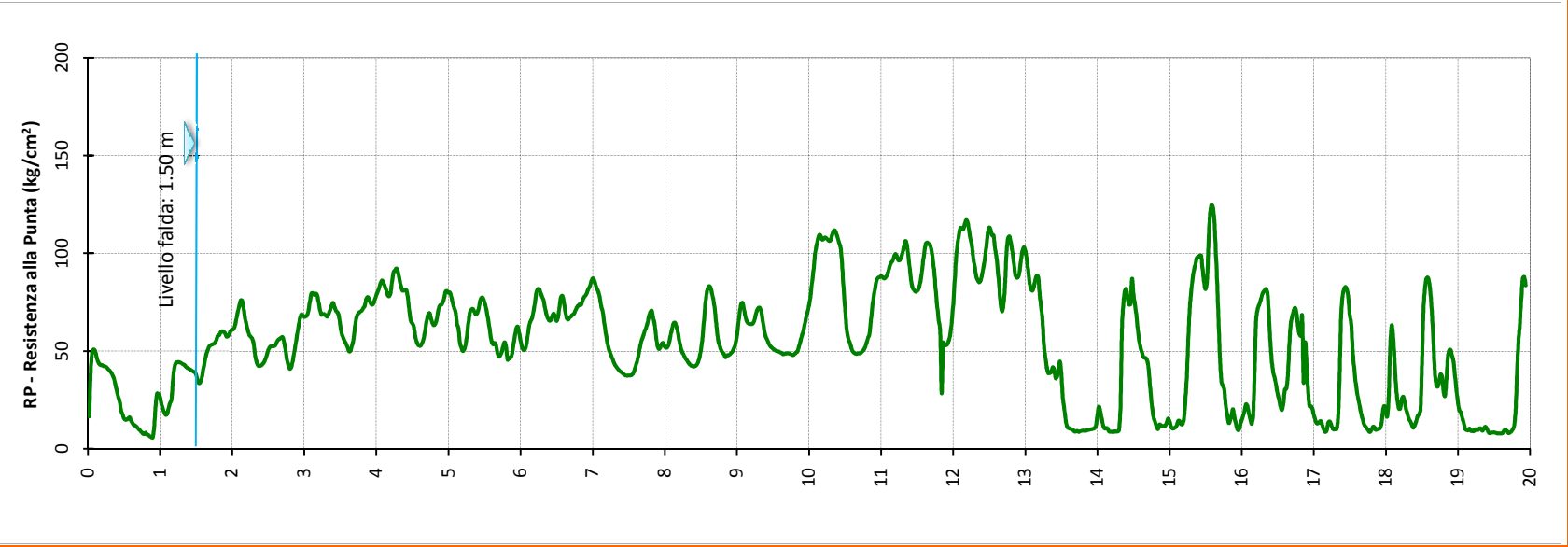
Committente:Dott. Geol. Mucchi  
Cantiere: Valle Pega - Comacchio (FE)  
Data: 13/06/2020

ID Prova: CPTU 4  
Profondità falda: a mt 1.50 da p.c.  
Preforo: -

Profondità massima raggiunta: 20.00 mt  
Punta sismica: Tecnopenta CPLSD  
RIF. 37/20GF

Prova eseguita da:  
**GEO.FE. S.n.c.**  
via dell'Artigianato ,3 44033 - Riva del Po (FE)  
tel [3383646278](mailto:info@geofe.it) - [info@geofe.it](mailto:info@geofe.it) - [www.geofe.it](http://www.geofe.it)  
Responsabile dati: Dott.Geol.Zanella Fabio  
Responsabile cantiere: Sig. Mangherini Alberto

GRAFICI PROVA CPTU 4



## UBICAZIONE PROVA CPTU-5





Committente:Dott. Geol. Mucchi Cantiere: Valle Pega - Comacchio (FE) Data: 13/06/2020																	ID Prova: CPTU 5 Profondita falda: a mt 1.20 da p.c. Preforo: -																	Profondità massima raggiunta: 20.00 mt Punta sismica: Tecnopenta CPLSD RIF. 37/20GF																	Prova eseguita da: <b>GEO.FE. S.n.c.</b> via dell'Artigianato ,3 44033 - Riva del Po (FE) tel 3383646278 - info@geofe.it - www.geofe.it Responsabile dati: Dott.Geol.Zanella Fabio																
Prof.	RP	RL	PN	Incl.	V.avanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz																																						
metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi °	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi °	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi °	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi °	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi °	cm/sec																																						
0.020	0.399	0.007	0.605	0.273	2.000	1.660	24.457	0.082	0.041	1.308	2.727	3.300	62.757	0.229	0.052	1.909	2.161	4.940	47.856	0.233	0.193	2.649	2.286	6.580	49.758	0.293	0.172	3.560	2.141																																						
0.040	2.293	0.009	1.505	0.599	2.170	1.680	25.277	0.096	0.028	1.344	1.816	3.320	63.821	0.219	0.063	1.924	2.079	4.960	47.857	0.240	0.173	2.661	2.129	6.580	51.034	0.296	0.211	3.568	2.098																																						
0.060	4.877	0.010	1.184	0.514	2.308	1.700	29.632	0.111	0.139	1.356	2.067	3.340	63.932	0.222	0.059	1.932	2.263	4.980	48.225	0.243	0.172	2.661	2.054	6.620	52.384	0.301	0.247	3.582	2.243																																						
0.080	6.151	0.046	1.089	0.415	2.218	1.720	34.508	0.123	0.213	1.373	2.102	3.360	63.233	0.232	0.041	1.954	2.189	5.000	48.774	0.240	0.178	2.679	2.206	6.640	53.996	0.302	0.282	3.591	2.141																																						
0.100	7.316	0.075	1.019	0.419	2.161	1.740	39.054	0.172	0.228	1.393	2.000	3.380	62.205	0.245	0.024	1.956	2.727	5.020	48.993	0.241	0.173	2.694	2.218	6.660	54.984	0.300	0.285	3.591	2.048																																						
0.120	8.444	0.117	0.962	0.342	2.176	1.760	42.054	0.189	0.247	1.413	2.170	3.400	61.764	0.254	0.022	1.959	1.816	5.040	48.409	0.249	0.149	2.704	2.144	6.680	54.504	0.301	0.272	3.607	2.000																																						
0.140	8.116	0.137	0.866	0.441	2.444	1.780	45.076	0.193	0.241	1.429	2.308	3.420	61.212	0.263	0.019	1.965	2.067	5.060	47.204	0.257	0.114	2.711	2.069	6.700	54.464	0.297	0.284	3.617	2.000																																						
0.160	7.460	0.165	0.781	0.342	2.239	1.800	45.315	0.184	0.157	1.430	2.218	3.440	59.265	0.270	-0.009	1.985	2.102	5.080	45.123	0.267	0.064	2.719	2.368	6.720	53.873	0.296	0.281	3.634	2.054																																						
0.180	6.913	0.195	0.706	0.464	2.146	1.820	43.207	0.114	-0.092	1.451	2.161	3.460	56.510	0.267	-0.054	1.989	2.139	5.100	44.392	0.261	0.047	2.734	2.160	6.740	52.329	0.304	0.259	3.640	2.045																																						
0.200	5.929	0.233	0.626	0.459	2.236	1.840	44.381	0.107	-0.104	1.460	2.176	3.480	52.323	0.264	-0.119	1.995	2.287	5.120	43.479	0.258	0.028	2.748	2.439	6.760	51.486	0.306	0.253	3.650	2.278																																						
0.220	5.309	0.276	0.657	0.492	2.219	1.860	44.387	0.114	-0.139	1.462	2.444	3.500	49.034	0.260	-0.160	2.006	2.072	5.140	42.163	0.261	0.003	2.754	1.812	6.780	50.679	0.313	0.249	3.655	2.091																																						
0.240	5.745	0.310	0.711	0.448	2.132	1.880	43.444	0.122	-0.182	1.456	2.239	3.520	45.562	0.256	-0.193	2.005	2.119	5.160	42.164	0.280	0.000	2.778	2.114	6.800	50.639	0.327	0.274	3.671	2.054																																						
0.260	5.816	0.327	0.625	0.436	2.199	1.900	41.150	0.138	-0.236	1.465	2.146	3.540	41.140	0.245	-0.238	2.019	2.408	5.180	42.420	0.283	0.005	2.778	1.974	6.820	50.855	0.329	0.303	3.671	2.266																																						
0.280	5.852	0.346	0.611	0.451	2.302	1.920	39.621	0.152	-0.267	1.470	2.236	3.560	36.864	0.239	-0.277	2.025	2.165	5.200	42.895	0.279	0.000	2.804	2.265	6.840	50.022	0.312	0.553	3.683	2.095																																						
0.300	5.988	0.374	0.604	0.427	2.241	1.940	37.801	0.159	-0.303	1.467	2.219	3.580	31.711	0.233	-0.314	2.025	2.098	5.220	41.360	0.282	-0.042	2.808	2.175	6.860	51.559	0.313	0.512	3.691	2.054																																						
0.320	5.636	0.391	0.600	0.479	2.140	1.960	34.628	0.158	-0.347	1.486	2.132	3.600	27.544	0.227	-0.341	2.043	2.336	5.240	39.752	0.281	-0.076	2.820	2.108	6.880	53.465	0.309	0.525	3.700	2.256																																						
0.340	4.858	0.375	0.597	0.481	2.212	1.980	32.003	0.156	-0.378	1.492	2.199	3.620	26.045	0.222	-0.347	2.044	2.189	5.260	38.693	0.264	-0.097	2.828	2.126	6.900	54.935	0.317	0.528	3.719	2.130																																						
0.360	5.013	0.379	0.566	0.513	2.283	2.000	28.756	0.152	-0.415	1.501	2.302	3.640	25.203	0.219	-0.335	2.060	2.203	5.280	37.450	0.250	-0.112	2.844	2.197	6.920	56.919	0.323	0.523	3.716	2.111																																						
0.380	6.160	0.388	0.454	0.495	2.169	2.020	25.583	0.144	-0.447	1.502	2.241	3.660	27.430	0.216	-0.290	2.065	2.075	5.300	37.341	0.251	-0.103	2.847	2.161	6.940	59.809	0.330	0.547	3.735	2.061																																						
0.400	6.387	0.386	0.402	0.501	2.094	2.040	22.482	0.139	-0.474	1.511	2.140	3.680	31.192	0.227	-0.222	2.068	2.347	5.320	39.788	0.271	-0.062	2.855	2.079	6.960	60.495	0.348	0.429	3.744	2.286																																						
0.420	6.870	0.394	0.420	0.513	2.248	2.060	18.481	0.136	-0.510	1.514	2.212	3.700	37.182	0.228	-0.128	2.083	2.202	5.340	42.309	0.305	-0.052	2.867	2.263	6.980	57.764	0.356	0.222	3.759	2.129																																						
0.440	7.683	0.408	0.516	0.516	2.143	2.080	15.064	0.136	-0.536	1.520	2.283	3.720	45.108	0.240	-0.014	2.093	2.177	5.360	42.966	0.329	-0.080	2.876	2.189	7.000	54.752	0.335	0.128	3.767	2.054																																						
0.460	8.859	0.407	0.585	0.527	2.089	2.100	12.593	0.132	-0.554	1.526	2.169	3.740	52.231	0.275	0.060	2.109	2.000	5.380	42.600	0.331	-0.133	2.894	2.727	7.020	51.195	0.296	0.062	3.782	2.206																																						
0.480	10.659	0.438	0.672	0.518	2.173	2.120	10.232	0.134	-0.573	1.542	2.094	3.760	57.482	0.302	0.092	2.121	2.170	5.400	41.942	0.330	-0.163	2.899	1.816	7.040	49.476	0.284	0.046	3.792																																							





[illegible]



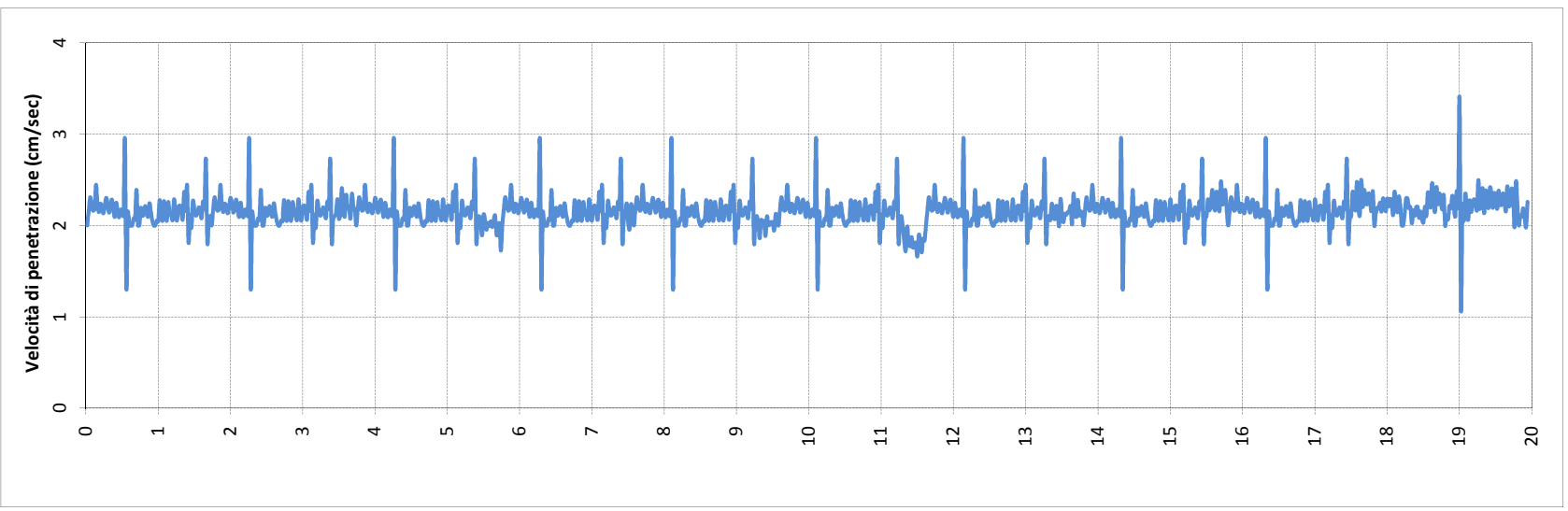
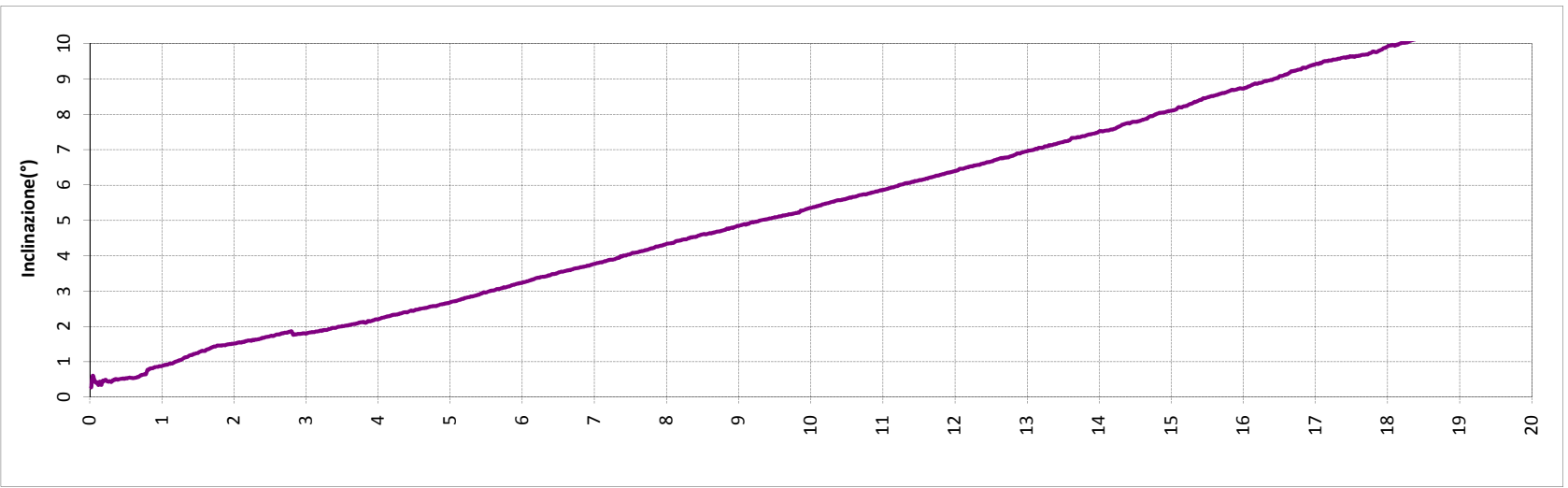
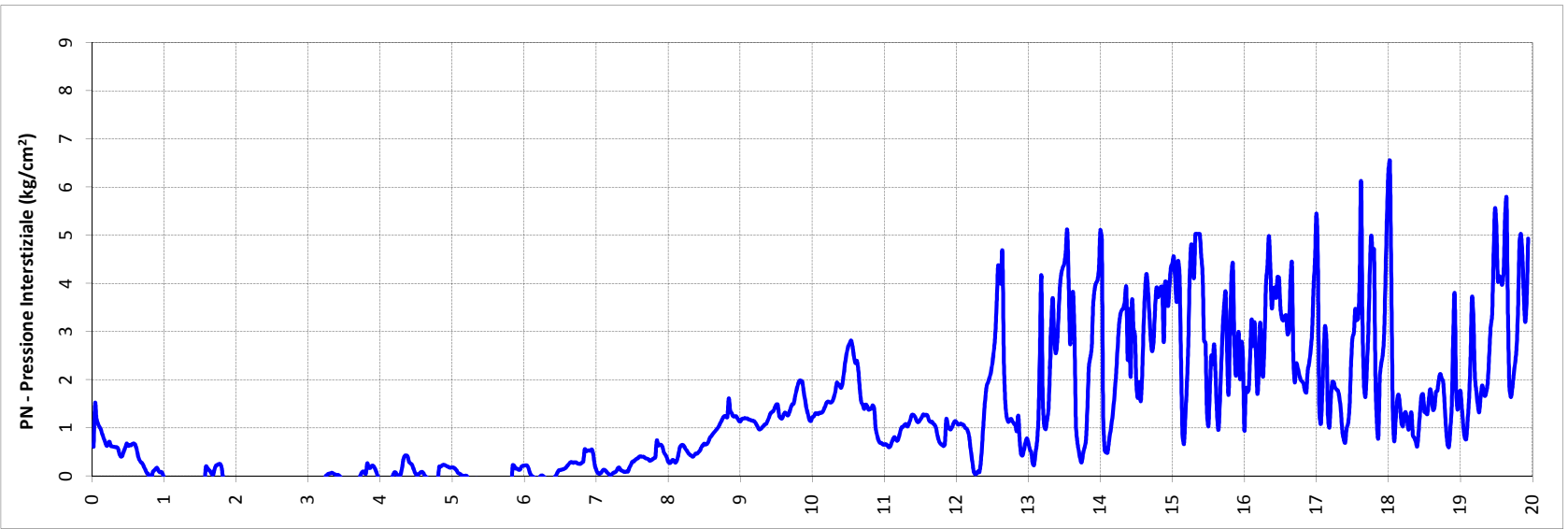
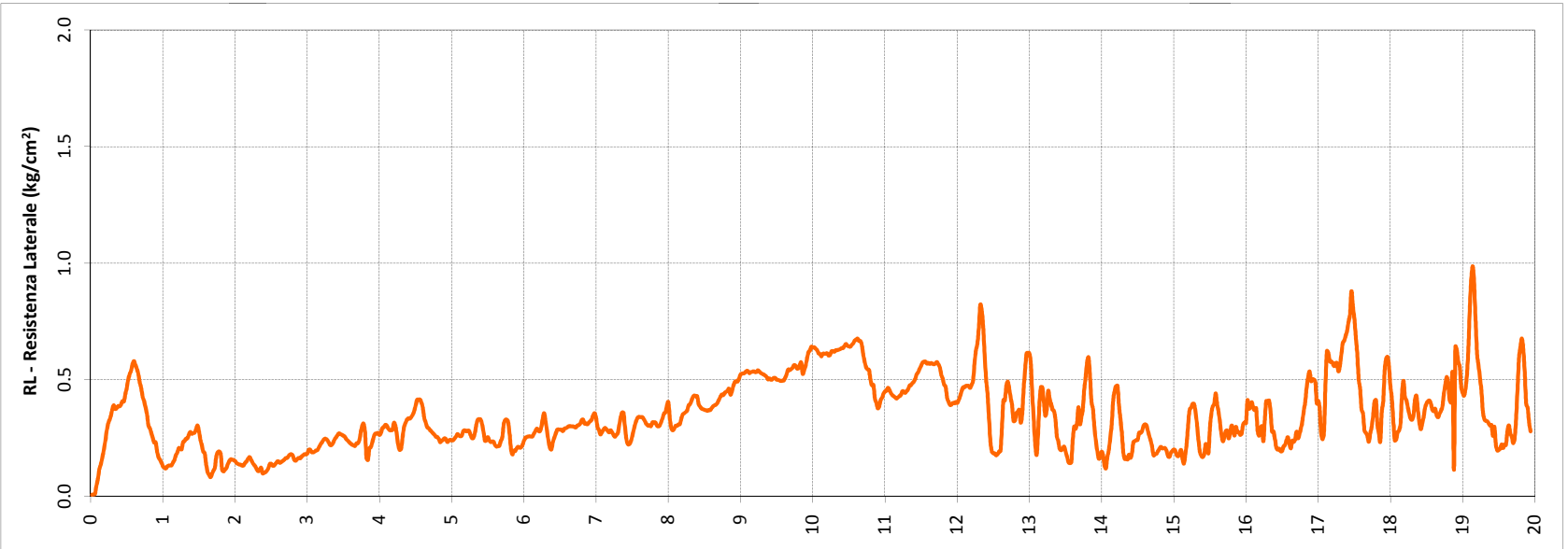
Committente:Dott. Geol. Mucchi  
Cantiere: Valle Pega - Comacchio (FE)  
Data: 13/06/2020

ID Prova: CPTU 5  
Profondita falda: a mt 1.20 da p.c.  
Preforo: -

Profondità massima raggiunta: 20.00 mt  
Punta sismica: Tecnopenta CPLSD  
RIF. 37/20GF

Prova eseguita da:  
**GEO.FE. S.n.c.**  
via dell'Artigianato ,3 44033 - Riva del Po (FE)  
tel [3383646278](mailto:info@geo.fe.it) - [info@geo.fe.it](mailto:info@geo.fe.it) - [www.geo.fe.it](http://www.geo.fe.it)  
Responsabile dati: Dott.Geol.Zanella Fabio  
Responsabile cantiere: Sig. Mangherini Alberto

GRAFICI PROVA CPTU 5





## UBICAZIONE PROVA CPTU-6







[illegible]

[illegible]





Geo.FE.

INDAGINI GEOLOGICHE

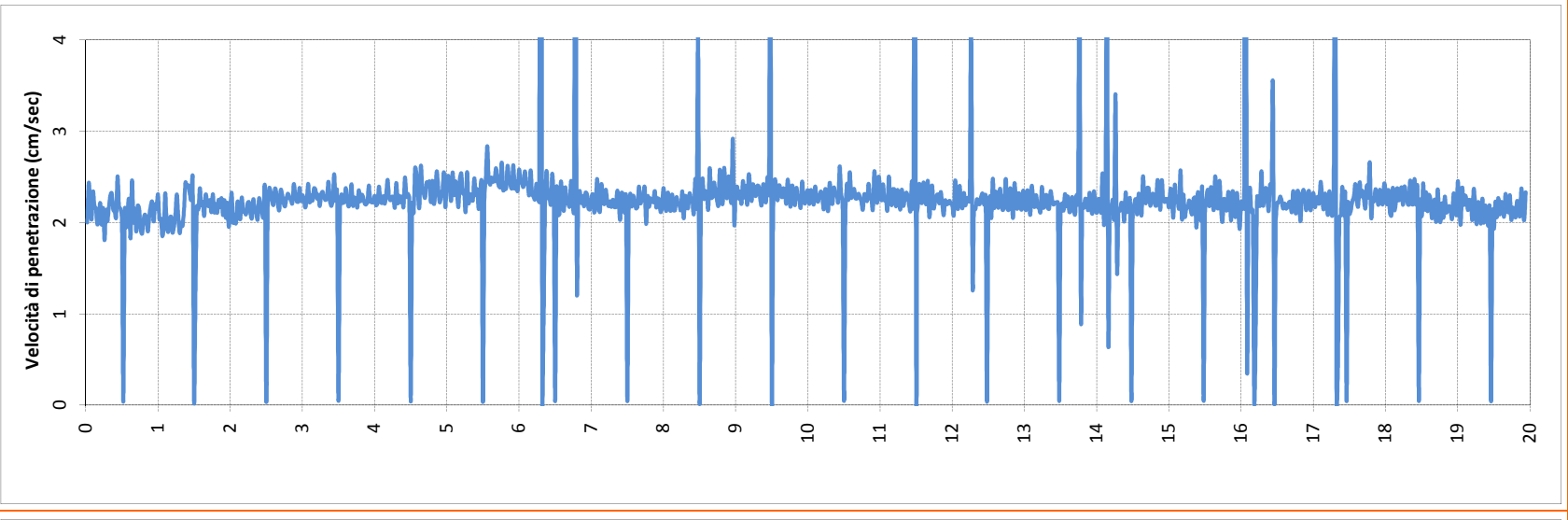
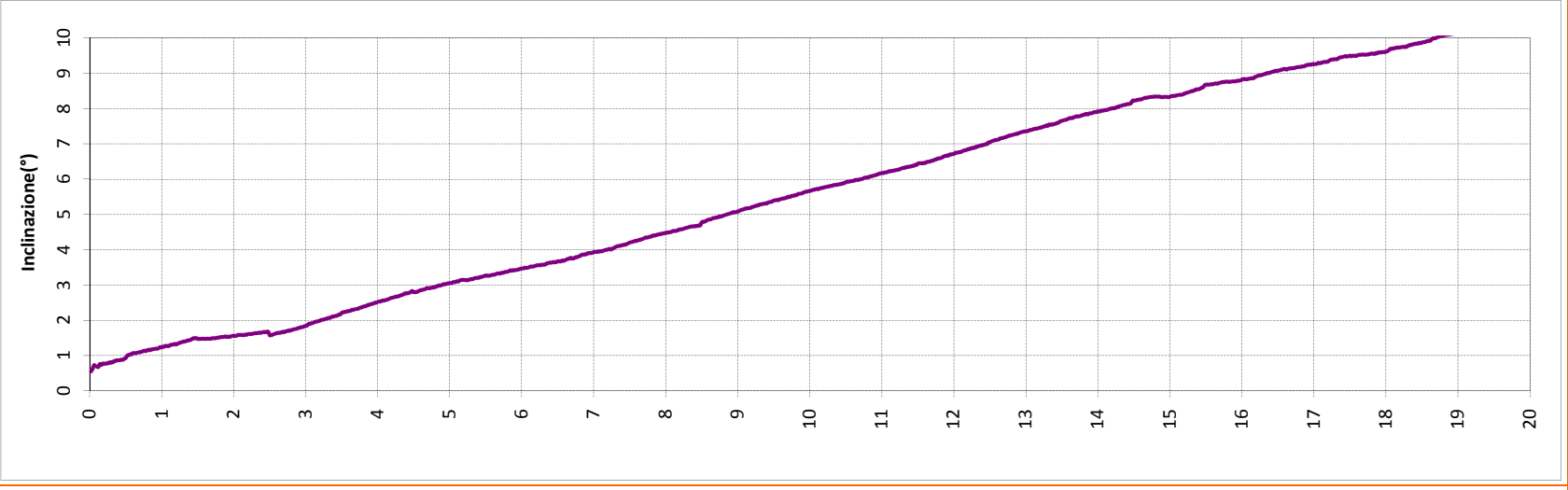
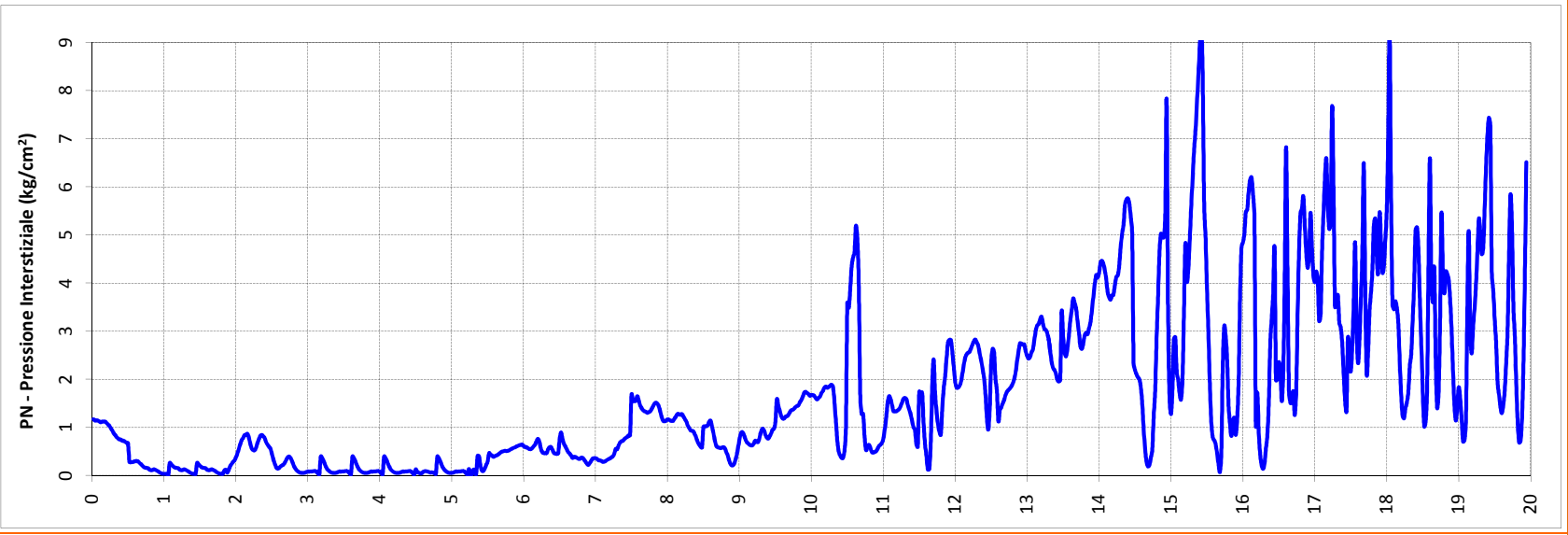
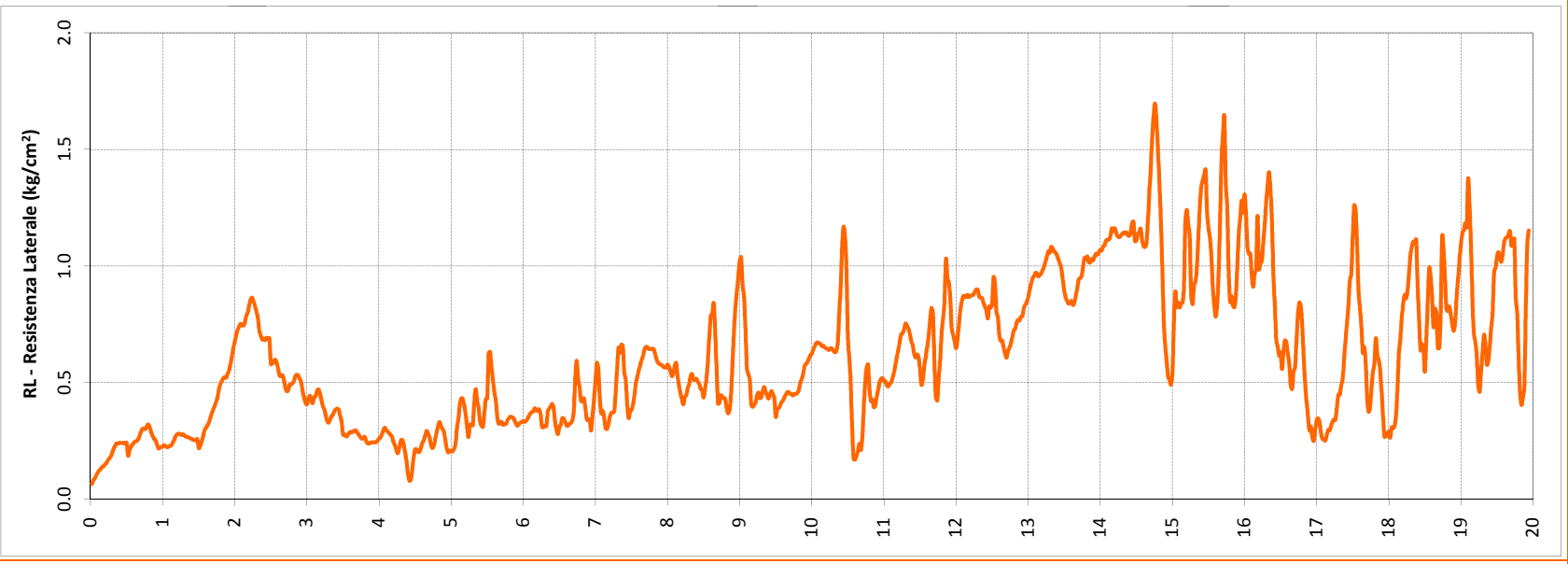
Committente:Dott. Geol. Mucchi  
Cantiere: Valle Pega - Comacchio (FE)  
Data: 17/06/2020

ID Prova: CPTU 6  
Profondità falda: a mt 1.40 da p.c.  
Preforo: -

Profondità massima raggiunta: 20.00 mt  
Punta sismica: Tecnopenta CPLSD  
RIF. 37/20GF

Prova eseguita da:  
**GEO.FE. S.n.c.**  
via dell'Artigianato ,3 44033 - Riva del Po (FE)  
tel [338364278](tel:0532338364) - [info@geofe.it](mailto:info@geofe.it) - [www.geofe.it](http://www.geofe.it)  
Responsabile dati: Dott.Geol.Zanella Fabio  
Responsabile cantiere: Sig. Mangherini Alberto

GRAFICI PROVA CPTU 6



## UBICAZIONE PROVA CPTU-7







**Geo.Fe.**  
INDAGINI GEOLOGICHE

Committente:Dott. Geol. Mucchi  
Cantiere: Valle Pega - Comacchio (FE)  
Data: 17/06/2020

ID Prova: CPTU 7  
Profondita falda: a mt 1.70 da p.c.  
Preforo: -

Profondità massima raggiunta: 20.00 mt  
Punta sismica: Tecnopenta CPLSD  
RIF. 37/20GF

Prova eseguita da:  
**GEO.FE. S.n.c.**  
via dell'Artigianato ,3 44033 - Riva del Po (FE)  
**tel 3383646278 - info@geofe.it - www.geofe.it**

Responsabile cantiere: Dott.Geol.Zanella Fabio  
Responsabile cantiere: Sig. Mangherini Alberto

Prof.	RP	RL	PN	Incl.	V.avanz	Prof.	RP	RL	PN	Incl.	V.avanz	Prof.	RP	RL	PN	Incl.	V.avanz
metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi °	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi °	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi °	cm/sec
0.020	3.702	-0.001	1.723	0.001	2.000	1.660	3.166	0.132	0.440	0.488	2.218	3.300	3.271	0.102	0.862	0.682	2.189
0.040	13.604	-0.014	1.750	0.006	2.163	1.780	3.284	0.126	0.445	0.497	2.243	3.320	3.285	0.107	0.860	0.687	2.251
0.060	19.386	0.000	1.589	0.010	2.000	1.600	3.284	0.126	0.445	0.513	0.029	3.340	3.280	0.111	0.865	0.684	2.571
0.080	20.204	0.154	1.368	0.030	2.267	1.720	3.622	0.147	0.440	0.513	2.183	3.360	3.336	0.113	0.873	0.695	2.378
0.100	19.870	0.270	1.239	0.038	2.295	1.740	3.598	0.152	0.449	0.528	2.110	3.380	3.317	0.115	0.881	0.702	2.310
0.120	19.588	0.501	1.102	0.045	2.236	1.760	3.523	0.153	0.450	0.424	2.230	3.400	3.218	0.117	0.884	0.698	2.136
0.140	18.717	0.684	1.018	0.056	2.000	1.780	3.244	0.157	0.456	0.413	2.187	3.420	3.171	0.118	0.893	0.708	2.416
0.160	17.870	1.019	0.993	0.068	2.257	1.800	3.195	0.153	0.457	0.411	2.370	3.440	3.279	0.118	0.952	0.708	2.237
0.180	17.178	1.276	0.979	0.078	2.212	1.820	3.095	0.149	0.456	0.414	2.136	3.460	3.258	0.119	0.995	0.715	2.386
0.200	16.077	1.520	0.884	0.073	2.420	1.840	2.995	0.148	0.468	0.434	2.160	3.480	3.263	0.120	1.005	0.721	2.236
0.220	15.232	1.688	0.809	0.085	2.267	1.860	2.945	0.140	0.470	0.422	2.945	3.500	3.369	0.119	1.026	0.737	2.404
0.240	14.771	1.791	0.746	0.094	2.367	1.880	2.999	0.131	0.467	0.434	2.222	3.520	3.246	0.125	1.047	0.729	2.341
0.260	14.156	1.901	0.697	0.100	2.191	1.900	3.002	0.120	0.472	0.430	2.153	3.540	3.379	0.116	1.080	0.743	2.311
0.280	13.669	1.958	0.689	0.001	2.000	1.920	2.929	0.115	0.471	0.434	2.143	3.560	3.410	0.108	1.109	0.746	2.178
0.300	13.335	2.011	0.807	0.006	2.000	1.940	2.855	0.110	0.475	0.435	2.373	3.580	3.413	0.110	1.125	0.749	2.207
0.320	12.924	2.012	0.806	0.010	2.287	1.960	2.808	0.103	0.482	0.440	2.222	3.600	3.494	0.109	1.142	0.758	2.402
0.340	13.103	2.010	0.771	0.030	2.411	1.980	2.864	0.098	0.488	0.446	2.083	3.620	3.243	0.115	1.152	0.766	2.375
0.360	12.320	2.014	0.716	0.038	2.320	2.000	2.894	0.094	0.493	0.449	2.161	3.640	3.247	0.118	1.147	0.765	2.212
0.380	11.511	1.890	0.664	0.045	2.361	2.020	2.950	0.099	0.499	0.456	2.363	3.660	3.430	0.122	1.154	0.768	3.660
0.400	10.943	1.837	0.623	0.056	2.337	2.040	2.878	0.100	0.507	0.460	2.170	3.680	3.383	0.130	1.172	0.763	1.481
0.420	10.249	1.722	0.572	0.068	2.404	2.060	2.782	0.097	0.517	0.468	2.140	3.700	3.372	0.145	1.500	0.754	0.043
0.440	9.347	1.763	0.529	0.078	2.404	2.080	2.890	0.097	0.520	0.469	2.231	3.720	3.861	0.129	1.559	0.749	1.940
0.460	8.779	1.753	0.516	0.073	2.249	2.100	2.921	0.101	0.522	0.473	2.449	3.740	3.963	0.133	1.597	0.755	2.083
0.480	8.390	1.627	0.499	0.085	2.305	2.120	2.928	0.100	0.527	0.469	2.111	3.760	3.761	0.133	1.569	0.752	2.532
0.500	8.080	1.525	0.484	0.094	2.280	2.140	2.910	0.100	0.526	0.483	2.158	3.780	3.761	0.141	1.569	0.752	2.323
0.520	7.562	1.454	0.494	0.106	2.358	2.160	2.917	0.100	0.527	0.485	2.116	3.800	3.736	0.153	1.644	0.753	2.166
0.540	7.353	1.334	0.682	0.106	2.445	2.180	2.899	0.101	0.534	0.483	2.366	3.820	3.711	0.149	1.648	0.751	2.243
0.560	7.016	1.195	0.669	0.107	2.225	2.200	2.803	0.101	0.545	0.496	2.187	3.840	3.865	0.149	1.660	0.759	2.366
0.580	6.680	1.091	0.641	0.229	2.212	2.220	2.940	0.099	0.556	0.494	2.177	3.860	3.713	0.155	1.644	0.759	2.083
0.600	6.448	1.042	0.612	0.224	2.424	2.240	2.948	0.097	0.570	0.501	2.163	3.880	3.713	0.161	1.635	0.761	2.058
0.620	5.910	0.983	0.591	0.085	2.392	2.260	3.032	0.098	0.575	0.510	2.209	3.900	3.766	0.166	1.640	0.778	2.338
0.640	5.628	0.878	0.562	0.094	2.068	2.280	2.938	0.094	0.577	0.508	2.262	3.920	3.689	0.162	1.651	0.780	2.363
0.660	5.808	0.809	0.554	0.100	2.305	2.300	2.999	0.094	0.578	0.515	2.192	3.940	3.819	0.155	1.669	0.790	2.177
0.680	5.580	0.784	0.593	0.106	2.308	2.320	2.904	0.093	0.584	0.517	2.136	3.960	3.999	0.160	1.663	0.789	2.185
0.700	5.406	0.718	0.561	0.107	2.163	2.340	2.887	0.097	0.637	0.527	2.272	3.980	3.950	0.160	1.668	0.796	2.197
0.720	5.606	0.718	0.079	0.229	2.000	2.360	3.049	0.097	0.644	0.524	2.257	4.000	3.950	0.175	1.734	0.797	2.308
0.740	5.433	0.695	0.061	0.224	2.267	2.380	3.007	0.099	0.649	0.526	2.190	4.020	4.847	0.166	1.878	0.814	2.172
0.760	5.105	0.670	0.079	0.222	2.295	2.400	2.965	0.104	0.648	0.537	2.181	4.040	4.893	0.158	1.812	0.820	2.158
0.780	5.084	0.632	0.119	0.234	2.236	2.420	3.025	0.106	0.640	0.546	2.335	4.060	3.775	0.211	1.282	0.814	2.187
0.800	4.833	0.601	0.157	0.255	2.457	2.440	3.084	0.110	0.633	0.552	2.235	4.080	3.571	0.210	1.435	0.831	2.430
0.820	4.863	0.579	0.205	0.263	2.257	2.460	3.120	0.106	0.636	0.557	2.187	4.100	3.625	0.206	1.518	0.827	2.244
0.840	4.741	0.546	0.232	0.265	2.212	2.480	3.078	0.105	0.630	0.551	2.104	4.120	3.575	0.206	1.549	0.846	2.146
0.860	4.744	0.505	0.250	0.268	2.420	2.500	2.932	0.108	0.628	0.564	2.350	4.140	3.627	0.199	1.578	0.841	2.187
0.880	4.493	0.464	0.249	0.277	2.277	2.520	2.967	0.108	0.623	0.561	2.311	4.160	3.704	0.198	1.608	0.847	2.365
0.900	4.549	0.436	0.273	0.267	2.367	2.540	3.054	0.106	0.629	0.589	2.166	4.180	3.579	0.196	1.618	0.852	2.152
0.920	4.632	0.415	0.275	0.271	2.191	2.560	2.960	0.107	0.599	0.572	2.610	4.200	3.656	0.171	1.615	0.862	2.278
0.940	4.611	0.398	0.290	0.283	2.529	2.580	2.969	0.108	0.603	0.588	1.852	4.220	3.556	0.166	1.635	0.869	2.179
0.960	4.645	0.366	0.301	0.294	2.264	2.600	2.901	0.108	0.601	0.601	2.167	4.240	3.659	0.161	1.648	0.863	2.350
0.980	4.754	0.362	0.303	0.294	2.287	2.620	2.885	0.109	0.602	0.605	2.885	4.260	3.635	0.158	1.662	0.861	2.246
1.000	4.532	0.357	0.297	0.301	2.411	2.640	2.945	0.108	0.605	0.609	2.049	4.280	3.686	0.155	1.682	0.886	2.146
1.020	4.694	0.352	0.294	0.300	2.320	2.660	3.030	0.107	0.612	0.604	2.309	4.300	3.662	0.157	1.691	0.931	2.257
1.040	4.384	0.300	0.348	0.300	2.361	2.680	3.039	0.105	0.618	0.619	2.249	4.320	3.715	0.158	1.694	0.879	2.186
1.060	4.482	0.341	0.316	0.297	2.337	2.700	3.023	0.106	0.626	0.622	2.869	4.340	3.665	0.158	1.699	0.881	2.360
1.080	4.439	0.329	0.338	0.300	2.404	2.720	3.408	0.111	0.711	0.631	0.024	4.360	3.717	0.183	1.703	0.895	2.183
1.100	4.296	0.316	0.360	0.313	2.404	2.740	3.181	0.112	0.708	0.637	2.075	4.380	3.668	0.160	1.711	0.888	2.158
1.120	4.155	0.288	0.383	0.306	2.301	2.760	3.105	0.112	0.707	0.645	2.424	4.400	3.745	0.161	1.716	0.897	2.747
1.140	4.091	0.271	0.401	0.312	2.287	2.780	3.210	0.114	0.708	0.592	2.274	4.420	3.696	0.163	1.710	0.904	2.342
1.160	4.075	0.265	0.420	0.314	2.477	2.800	3.006	0.119	0.710	0.591	2.183	4.440	3.876	0.165	1.740	0.907	2.115
1.180	4.113	0.252	0.437	0.322	2.300	2.820	3.060	0.120	0.714	0.593	2.392	4.460	4.820	0.171	1.887	0.919	2.225
1.200	4.043	0.453	0.453	0.328	2.355	2.840	3.139	0.120	0.727	0.599	2.270	4.480	5.466	0.162	1.982	0.917	2.307
1.220	4.190	0.226	0.444	0.327	2.264	2.860	3.115	0.119	0.745	0.595	2.215	4.500	5.928	0.140	1.694	0.917	2.222
1.240	4.178	0.224	0.443	0.324	2.181	2.880	3.092	0.115	0.789	0.607	2.477	4.520	5.544	0.174	1.472	0.931	2.173
1.260	4.066	0.242	0.443	0.344	2.276	2.900	3.196	0.114	0.828	0.611	2.235	4.540	5.008	0.222	1.451	0.932	2.130
1.280	4.080	0.244	0.444	0.348	2.262	2.920	3.302	0.109	0.842	0.613	2.335	4.560					





[illegible]



Geo.Fe.

INDAGINI GEOLOGICHE

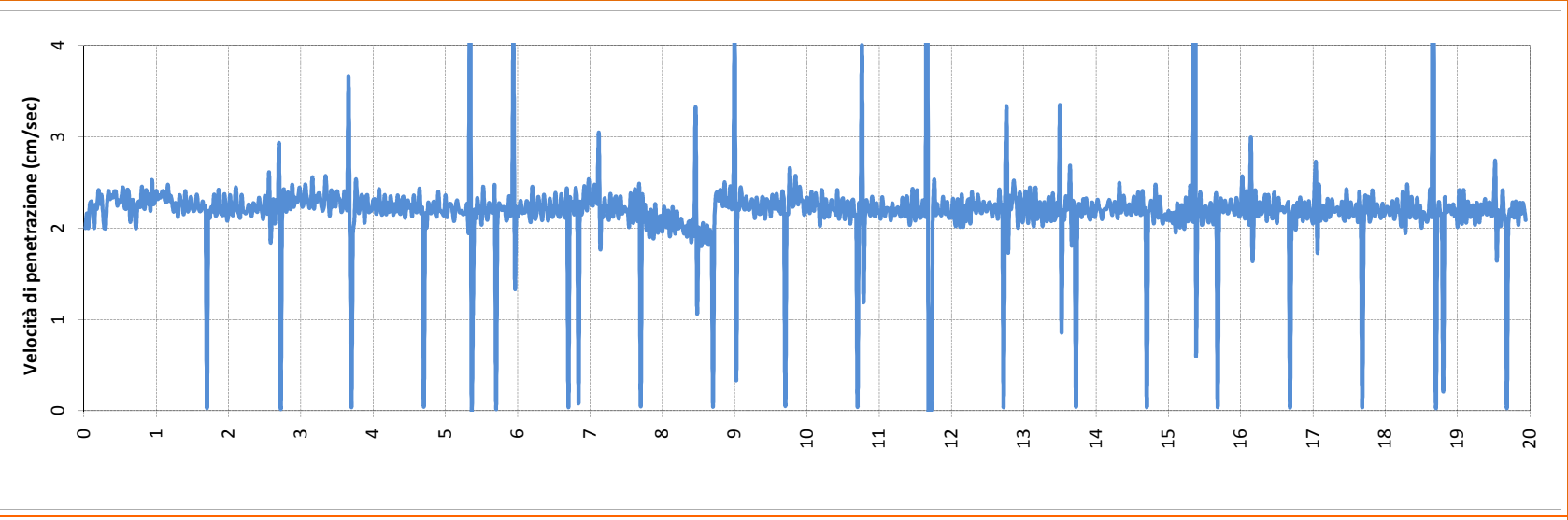
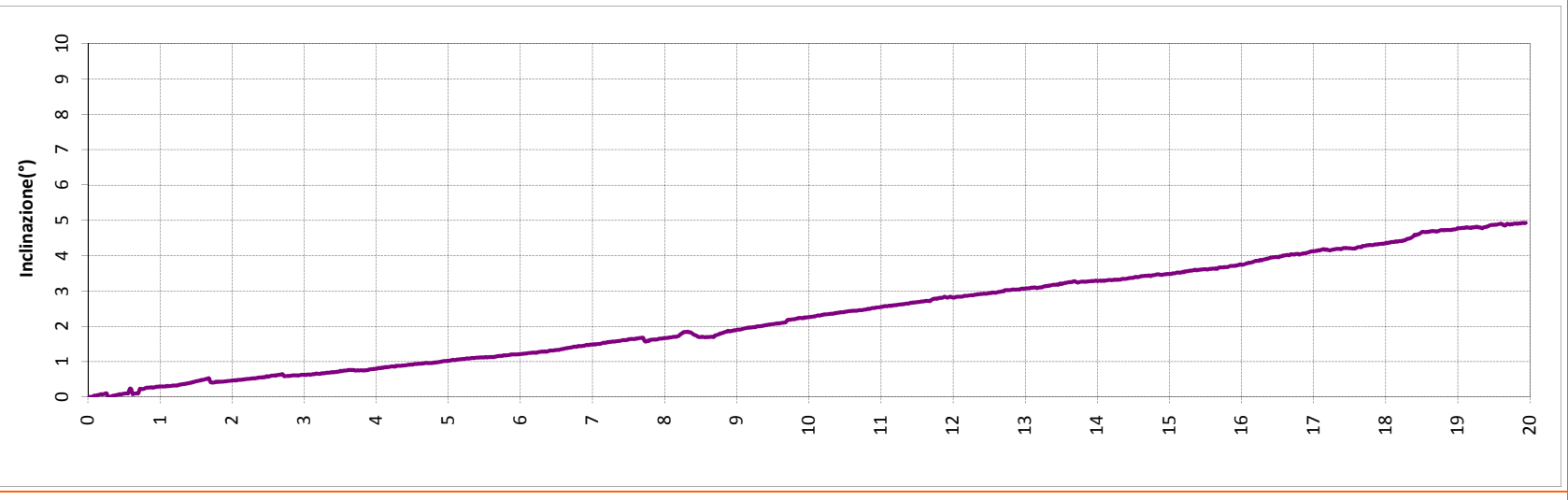
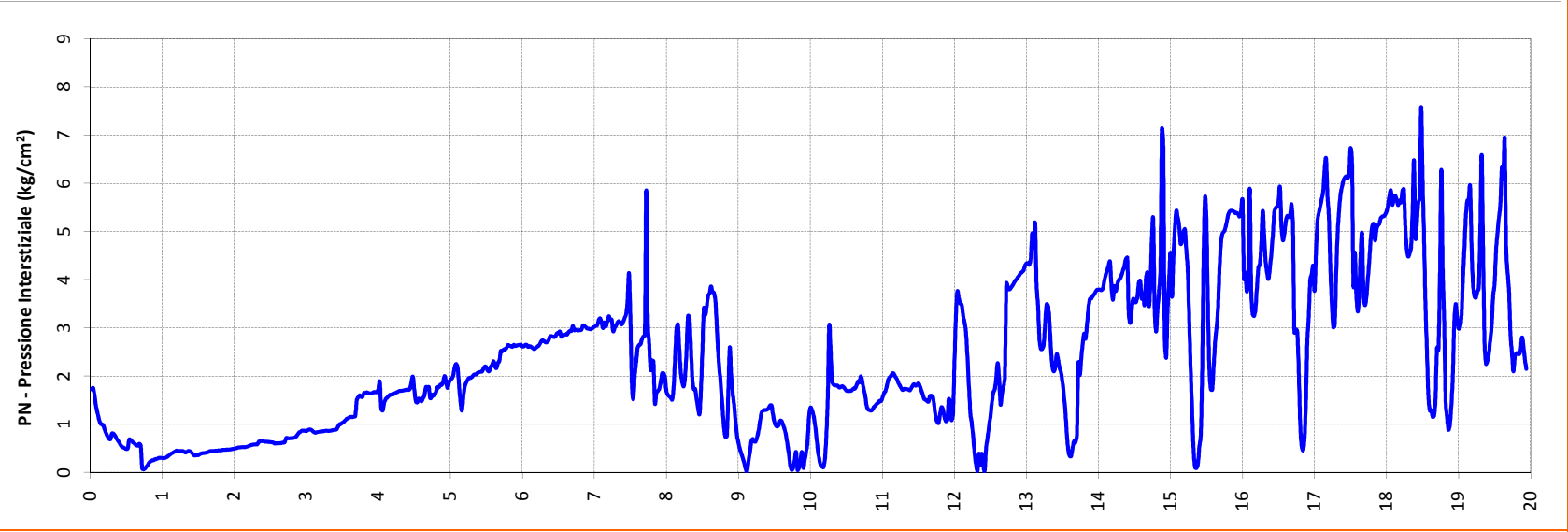
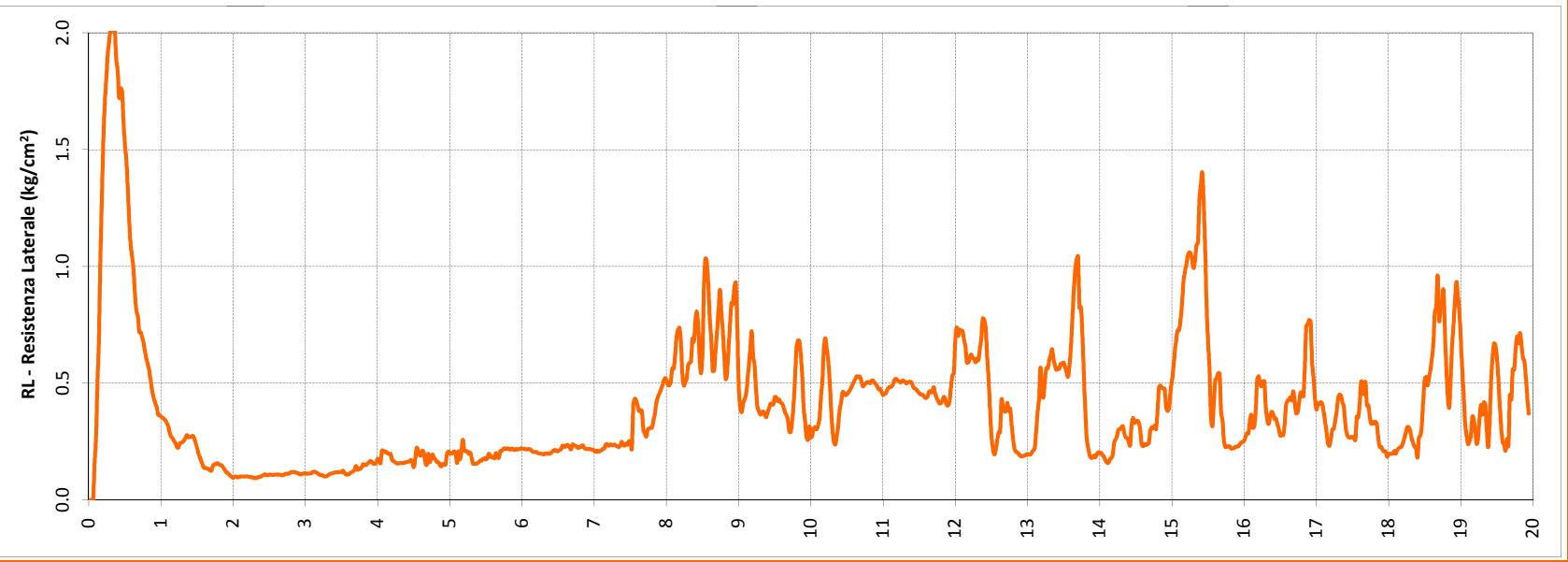
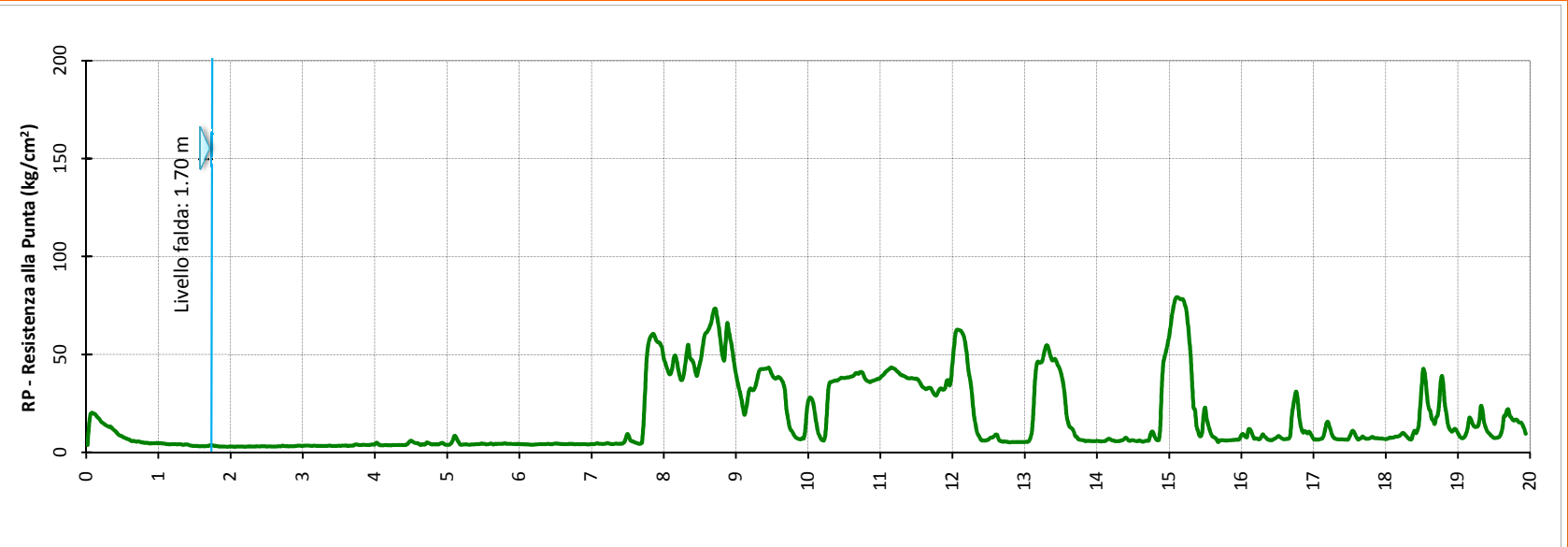
Committente:Dott. Geol. Mucchi  
Cantiere: Valle Pega - Comacchio (FE)  
Data: 17/06/2020

ID Prova: CPTU 7  
Profondità falda: a mt 1.70 da p.c.  
Preforo: -

Profondità massima raggiunta: 20.00 mt  
Punta sismica: Tecnopenta CPLSD  
RIF. 37/20GF

Prova eseguita da:  
**GEO.FE. S.n.c.**  
via dell'Artigianato ,3 44033 - Riva del Po (FE)  
tel [3383646278](tel:053383646278) - [info@geofe.it](mailto:info@geofe.it) - [www.geofe.it](http://www.geofe.it)  
Responsabile dati: Dott.Geol.Zanella Fabio  
Responsabile cantiere: Sig. Mangherini Alberto

GRAFICI PROVA CPTU 7





## UBICAZIONE PROVA CPTU-8



Committente:Dott. Geol. Mucchi Cantiere: Valle Pega - Comacchio (FE) Data: 17/06/2020										ID Prova: CPTU 8 Profondita falda: a mt 1.50 da p.c. Preforo: -										Profondità massima raggiunta: 20.00 mt Punta sismica: Tecnopenta CPLSD RIF. 37/20GF										Prova eseguita da: <b>GEO.FE. S.n.c.</b> via dell'Artigianato ,3 44033 - Riva del Po (FE) tel 3383646278 - info@geofe.it - www.geofe.it										Responsabile cantiere: Dott.Geol.Zanella Fabio Responsabile cantiere: Sig. Mangherini Alberto									
Prof.	RP	RL	PN	Incl.	V.avanz	Prof.	RP	RL	PN	Incl.	V.avanz	Prof.	RP	RL	PN	Incl.	V.avanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz														
metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec															
0.020	17.217	0.060	1.332	0.179	2.000	1.660	4.355	0.091	-0.659	0.766	2.727	3.300	19.605	0.166	-0.454	1.079	2.161	4.940	27.400	0.279	-0.298	1.477	2.286	6.580	19.571	0.162	-0.128	2.194	2.141	4.940	27.400	0.279	-0.298	1.477	2.286														
0.040	27.040	0.222	1.551	0.021	2.170	1.816	6.132	0.136	-0.720	0.774	1.816	3.320	19.199	0.167	-0.463	1.094	2.079	4.960	26.887	0.270	-0.305	1.488	2.129	6.600	17.755	0.175	-0.164	2.208	2.098	4.960	26.887	0.270	-0.305	1.488	2.129														
0.060	28.503	0.449	1.460	0.153	2.308	1.780	5.291	0.160	-0.735	0.793	2.067	3.340	18.995	0.166	-0.472	1.093	2.263	4.980	26.834	0.269	-0.307	1.501	2.054	6.620	18.011	0.246	-0.102	2.232	2.243	4.980	26.834	0.269	-0.307	1.501	2.054														
0.080	30.933	0.612	1.369	0.185	2.218	1.720	4.321	0.158	-0.752	0.788	2.102	3.360	18.310	0.163	-0.482	1.109	2.189	5.000	25.785	0.256	-0.315	1.509	2.206	6.640	20.419	0.345	0.022	2.231	2.141	5.000	25.785	0.256	-0.315	1.509	2.206														
0.100	30.857	0.928	1.065	0.157	2.161	1.740	3.429	0.139	-0.767	0.805	2.000	3.380	17.647	0.160	-0.494	1.111	2.727	5.020	25.068	0.243	-0.321	1.512	2.218	6.660	22.671	0.329	0.071	2.253	2.048	5.020	25.068	0.243	-0.321	1.512	2.218														
0.120	29.987	1.396	0.903	0.169	2.176	1.760	3.279	0.125	-0.769	0.802	2.170	3.400	16.909	0.154	-0.505	1.115	1.816	5.040	24.785	0.234	-0.322	1.525	2.144	6.680	25.120	0.214	-0.009	2.251	2.000	5.040	24.785	0.234	-0.322	1.525	2.144														
0.140	27.478	1.801	0.772	0.157	2.444	1.780	4.707	0.105	-0.749	0.812	2.308	3.420	16.350	0.148	-0.515	1.113	2.067	5.060	25.296	0.222	-0.311	1.543	2.271	6.700	24.942	0.221	-0.039	2.271	2.000	5.060	25.296	0.222	-0.311	1.543	2.271														
0.160	25.610	2.245	0.642	0.111	2.239	1.800	7.149	0.115	-0.600	0.855	2.218	3.440	15.688	0.147	-0.526	1.125	2.102	5.080	26.420	0.217	-0.288	1.553	2.368	6.720	24.738	0.205	-0.054	2.275	2.054	5.080	26.420	0.217	-0.288	1.553	2.368														
0.180	24.816	2.549	0.618	0.125	2.146	1.820	10.148	0.118	-0.550	0.848	2.161	3.460	14.900	0.144	-0.540	1.129	2.139	5.100	27.596	0.213	-0.265	1.559	2.160	6.740	24.022	0.203	-0.079	2.290	2.045	5.100	27.596	0.213	-0.265	1.559	2.160														
0.200	24.506	2.727	0.602	0.109	2.236	1.840	10.663	0.140	-0.556	0.855	2.176	3.480	14.571	0.140	-0.549	1.129	2.287	5.120	29.310	0.214	-0.229	1.557	2.439	6.760	23.357	0.206	-0.094	2.343	2.278	5.120	29.310	0.214	-0.229	1.557	2.439														
0.220	23.683	2.877	0.456	0.115	2.219	1.860	9.745	0.134	-0.579	0.859	2.444	3.500	14.164	0.139	-0.551	1.133	2.072	5.140	31.433	0.211	-0.185	1.570	1.812	6.780	22.846	0.193	-0.104	2.348	2.091	5.140	31.433	0.211	-0.185	1.570	1.812														
0.240	22.961	2.962	0.410	0.072	2.132	1.880	8.982	0.142	-0.597	0.852	2.239	3.520	14.527	0.140	-0.547	1.141	2.119	5.160	32.762	0.211	-0.156	1.581	2.114	6.800	22.615	0.188	-0.110	2.355	2.054	5.160	32.762	0.211	-0.156	1.581	2.114														
0.260	22.162	2.937	0.335	0.114	2.199	1.900	9.906	0.188	-0.572	0.860	2.146	3.540	15.197	0.150	-0.534	1.145	2.408	5.180	33.170	0.220	-0.146	1.577	1.974	6.820	22.359	0.191	-0.115	2.370	2.266	5.180	33.170	0.220	-0.146	1.577	1.974														
0.280	21.437	2.890	0.281	0.086	2.302	1.920	12.982	0.233	-0.492	0.867	2.236	3.560	15.509	0.170	-0.532	1.163	2.165	5.200	33.886	0.228	-0.132	1.585	2.265	6.840	22.102	0.182	-0.120	2.377	2.095	5.200	33.886	0.228	-0.132	1.585	2.265														
0.300	21.197	2.807	0.246	0.112	2.241	1.940	19.818	0.256	-0.288	0.873	2.219	3.580	15.639	0.180	-0.533	1.167	2.098	5.220	35.011	0.235	-0.107	1.584	2.175	6.860	21.870	0.194	-0.123	2.387	2.054	5.220	35.011	0.235	-0.107	1.584	2.175														
0.320	20.213	2.802	0.195	0.097	2.140	1.960	25.300	0.187	-0.233	0.879	2.132	3.600	15.722	0.194	-0.530	1.170	2.336	5.240	36.801	0.249	-0.063	1.600	2.108	6.880	21.818	0.207	-0.121	2.394	2.256	5.240	36.801	0.249	-0.063	1.600	2.108														
0.340	19.280	2.775	0.142	0.088	2.212	1.980	27.455	0.174	-0.219	0.871	2.199	3.620	16.084	0.202	-0.529	1.177	2.189	5.260	37.900	0.261	-0.038	1.611	2.126	6.900	21.663	0.209	-0.119	2.406	2.130	5.260	37.900	0.261	-0.038	1.611	2.126														
0.360	18.552	2.704	0.102	0.076	2.283	2.000	28.867	0.147	-0.211	0.875	2.302	3.640	16.090	0.215	-0.530	1.174	2.203	5.280	38.923	0.277	-0.009	1.630	2.197	6.920	22.148	0.222	-0.106	2.416	2.111	5.280	38.923	0.277	-0.009	1.630	2.197														
0.380	17.847	2.616	0.056	0.092	2.169	2.020	30.793	0.138	-0.190	0.876	2.241	3.660	16.477	0.218	-0.530	1.182	2.075	5.300	39.408	0.284	0.005	1.643	2.161	6.940	22.735	0.234	-0.090	2.411	2.061	5.300	39.408	0.284	0.005	1.643	2.161														
0.400	17.603	2.550	0.003	0.108	2.094	2.040	32.537	0.148	-0.170	0.878	2.140	3.																																					





[illegible]





Geo.Fe.

INDAGINI GEOLOGICHE

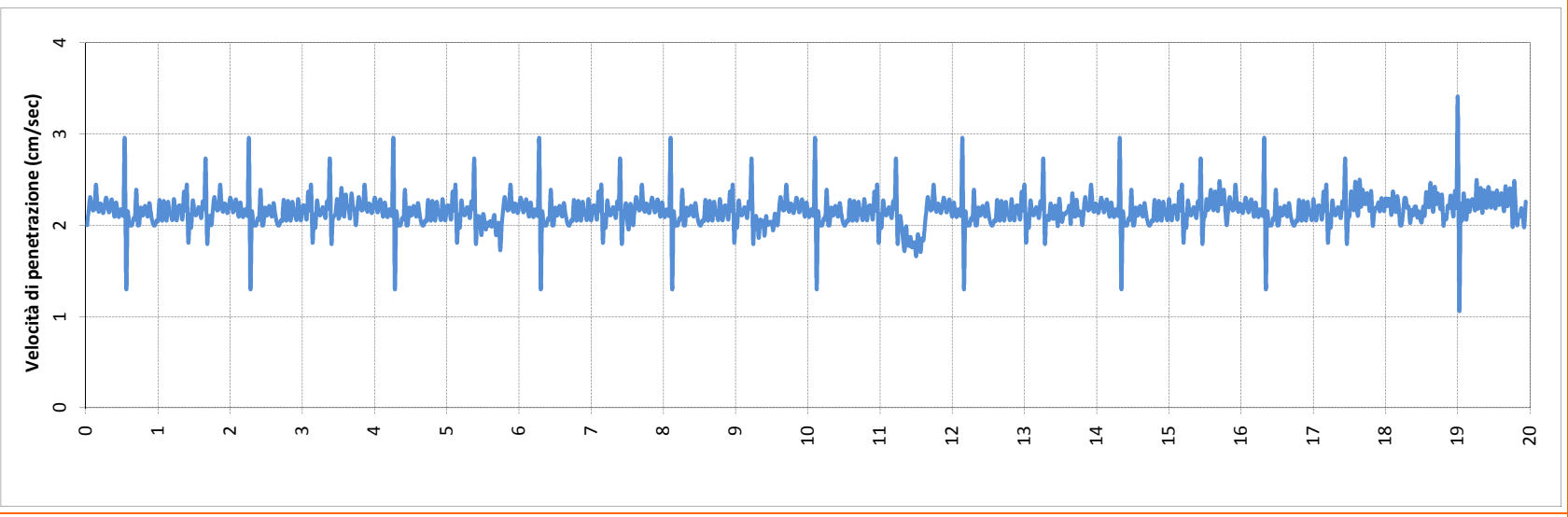
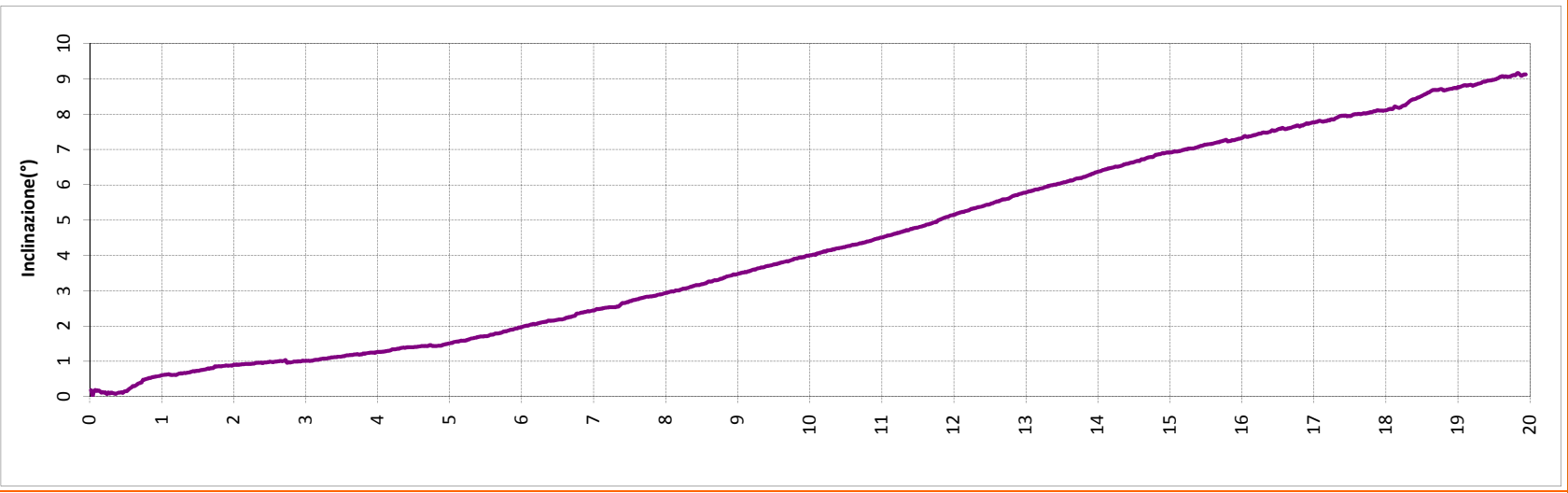
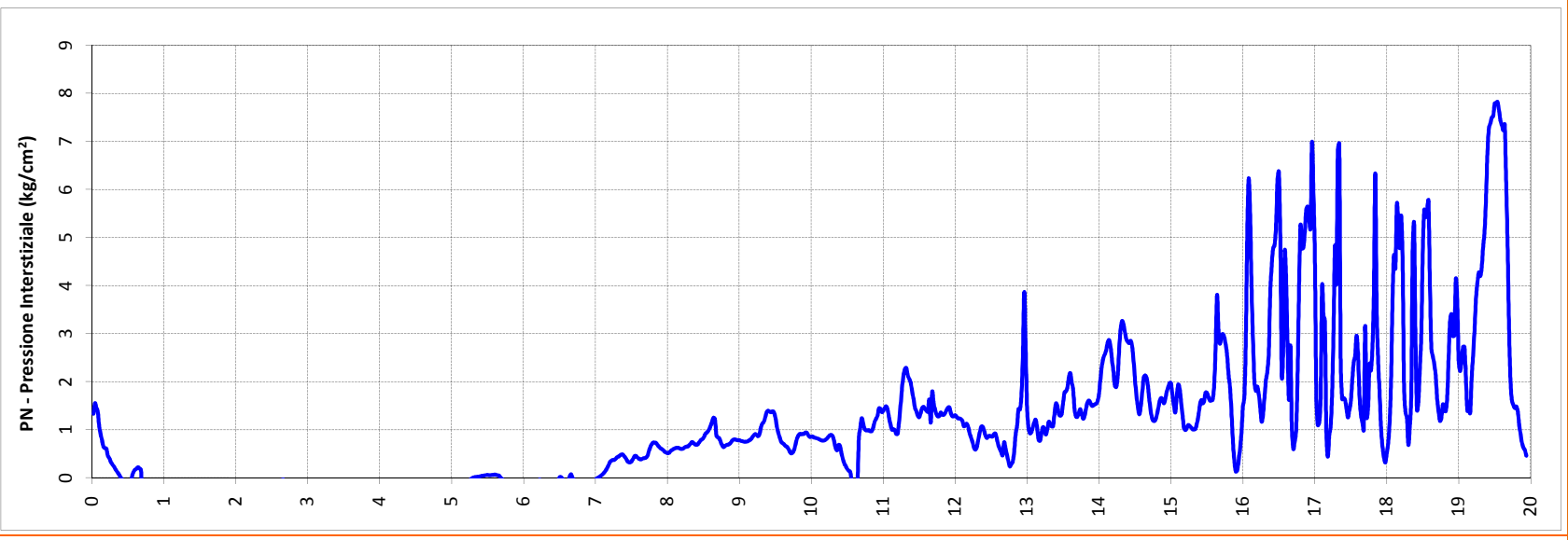
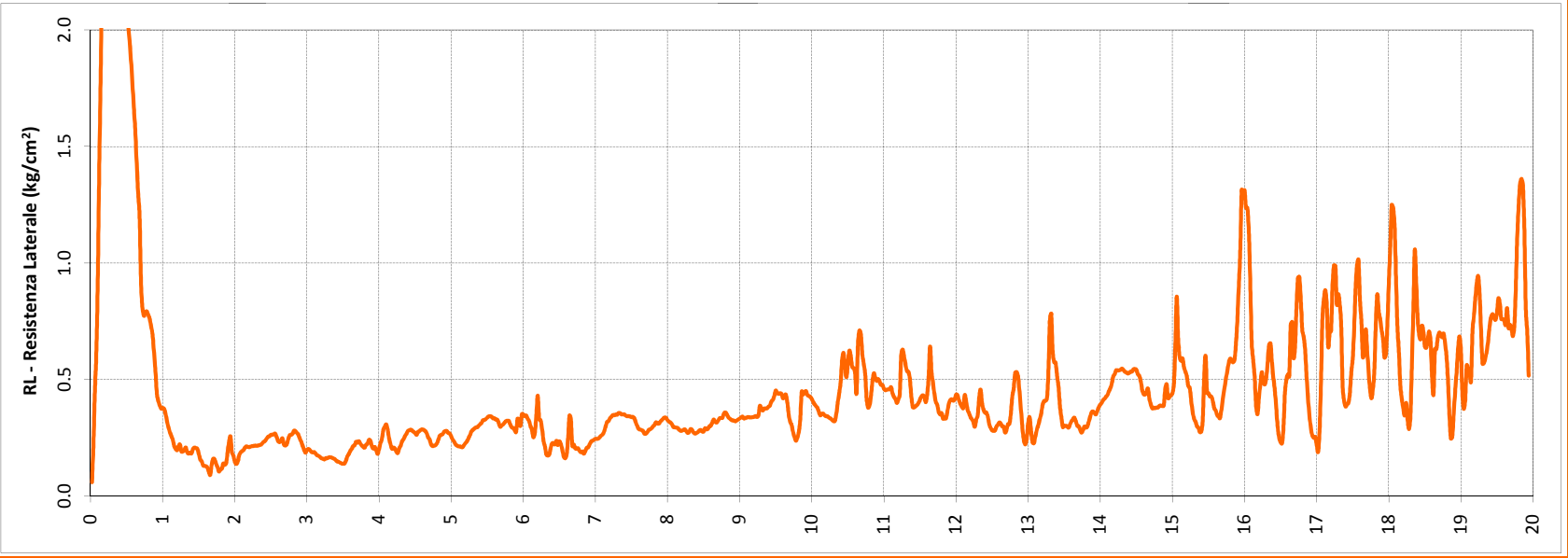
Committente:Dott. Geol. Mucchi  
Cantiere: Valle Pega - Comacchio (FE)  
Data: 17/06/2020

ID Prova: CPTU 8  
Profondita falda: a mt 1.50 da p.c.  
Preforo: -

Profondità massima raggiunta: 20.00 mt  
Punta sismica: Tecnopenta CPLSD  
RIF. 37/20GF

Prova eseguita da:  
**GEO.FE. S.n.c.**  
via dell'Artigianato ,3 44033 - Riva del Po (FE)  
tel [3383646278](mailto:info@geofe.it) - [info@geofe.it](mailto:info@geofe.it) - [www.geofe.it](http://www.geofe.it)  
Responsabile dati: Dott.Geol.Zanella Fabio  
Responsabile cantiere: Sig. Mangherini Alberto

GRAFICI PROVA CPTU 8



## UBICAZIONE PROVA CPTU-9







Geo.Fe.

INDAGINI GEOLOGICHE

Commitente:Dott. Geol. Mucchi

Cantiere: Valle Pega - Comacchio (FE)

Data: 17/06/2020

ID Prova: CPTU 9

Profondita falda: a mt 1.50 da p.c.

Preforo: -

Profondità massima raggiunta: 20.00 mt

Punta sismica: Tecnopenta CPLSD

RIF. 37/20GF

Prova eseguita da:

**GEO.FE. S.n.c.**

via dell'Artigianato ,3 44033 - Riva del Po (FE)

tel 3383646278 - [info@geofe.it](mailto:info@geofe.it) - [www.geofe.it](http://www.geofe.it)

Responsabile dati: Dott.Geol.Zanella Fabio

Responsabile cantiere: Sig. Mangherini Alberto

Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz
metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec
0.020	0.062	0.000	0.004	1.839	2.000	1.660	57.016	0.322	0.782	0.954	2.119	3.300	14.447	0.246	0.218	2.206	2.572
0.040	0.110	0.001	0.005	1.969	2.273	1.680	55.796	0.299	0.770	0.964	2.262	3.320	10.214	0.223	0.199	2.201	2.149
0.060	0.286	0.004	0.009	1.615	2.224	1.700	53.612	0.284	0.745	0.994	2.165	3.340	7.646	0.209	0.173	2.196	2.251
0.080	0.438	0.020	0.069	1.895	2.497	1.720	51.176	0.280	0.716	1.023	2.000	3.360	6.489	0.212	0.145	2.210	2.654
0.100	0.564	0.043	0.221	1.549	2.347	1.740	48.002	0.270	0.680	1.039	1.984	3.380	5.484	0.210	0.120	2.218	2.319
0.120	0.766	0.070	0.409	1.612	2.249	1.760	45.024	0.264	0.646	1.053	2.331	3.400	4.378	0.188	0.105	2.234	2.164
0.140	0.917	0.091	0.599	1.485	2.465	1.780	41.657	0.260	0.606	1.290	2.199	3.420	4.559	0.207	0.089	2.234	2.404
0.160	1.021	0.110	0.863	1.589	2.265	1.800	38.493	0.256	0.569	1.293	2.263	3.440	6.455	0.180	0.076	2.244	2.559
0.180	1.199	0.132	1.072	1.652	2.314	1.820	36.250	0.248	0.543	1.296	2.292	3.460	10.596	0.155	0.064	2.248	3.165
0.200	20.664	0.216	2.697	1.364	2.471	1.840	36.365	0.140	0.195	1.283	2.123	3.480	13.198	0.132	0.058	2.256	2.000
0.220	97.604	0.243	2.763	1.387	2.302	1.860	40.042	0.136	0.209	1.275	2.308	3.500	17.921	0.137	0.046	2.265	2.257
0.240	123.469	0.285	2.275	1.090	2.249	1.880	45.262	0.134	0.233	1.286	2.244	3.520	21.743	0.167	0.252	2.268	2.246
0.260	119.681	0.276	1.766	1.046	2.437	1.900	50.133	0.146	0.251	1.292	2.151	3.540	25.037	0.184	0.239	2.278	2.309
0.280	110.663	0.320	1.534	0.533	2.329	1.920	53.443	0.159	0.261	1.285	2.323	3.560	26.991	0.173	0.218	2.283	2.670
0.300	101.919	0.353	1.388	0.496	2.284	1.940	53.427	0.168	0.252	1.288	2.246	3.580	27.985	0.160	0.199	2.296	2.355
0.320	92.771	0.369	1.274	0.623	2.384	1.960	52.188	0.164	0.239	1.300	2.206	3.600	27.640	0.110	0.173	2.302	2.233
0.340	82.073	0.388	1.125	0.572	2.350	1.980	49.580	0.173	0.218	1.314	2.192	3.620	26.484	0.098	0.145	2.305	2.415
0.360	74.596	0.458	1.068	0.668	2.269	2.000	47.332	0.181	0.199	1.335	2.102	3.640	23.280	0.072	0.120	2.312	2.195
0.380	72.753	0.569	1.097	0.585	2.454	2.020	43.698	0.188	0.173	1.363	2.324	3.660	17.025	0.057	0.105	2.316	2.287
0.400	71.273	0.562	1.092	0.508	2.259	2.040	39.913	0.187	0.145	1.394	2.248	3.680	11.966	0.041	0.089	2.322	2.607
0.420	69.384	0.607	1.054	0.591	2.223	2.060	36.507	0.182	0.120	1.417	2.050	3.700	8.823	0.072	0.076	2.322	2.278
0.440	67.668	0.641	1.034	0.546	2.471	2.080	34.695	0.177	0.105	1.432	2.302	3.720	6.613	0.113	0.112	2.334	2.000
0.460	64.500	0.635	1.024	0.497	2.432	2.100	33.188	0.162	0.089	1.446	2.108	3.740	5.085	0.166	0.112	2.334	2.000
0.480	62.906	0.570	1.037	0.588	2.114	2.120	32.467	0.149	0.076	1.474	2.092	3.760	4.717	0.166	0.122	2.338	2.000
0.500	62.128	0.505	1.047	0.425	2.612	2.140	31.772	0.132	0.064	1.484	2.266	3.780	4.574	0.157	0.133	2.467	2.000
0.520	61.568	0.415	1.066	0.103	2.322	2.160	31.782	0.124	0.058	1.508	2.083	3.800	4.710	0.155	0.122	2.467	2.360
0.540	61.360	0.342	1.088	0.103	2.337	2.180	31.088	0.114	0.046	1.545	2.204	3.820	3.763	0.134	0.337	2.479	2.297
0.560	62.788	0.320	1.124	0.229	2.453	2.200	28.245	0.109	0.025	1.555	2.165	3.840	3.951	0.125	0.926	2.479	2.217
0.580	67.113	0.285	1.203	0.357	2.215	2.220	25.401	0.102	0.252	1.576	2.075	3.860	6.654	0.165	1.080	2.487	2.414
0.600	73.848	0.268	1.310	0.190	2.348	2.240	23.012	0.102	0.239	1.590	2.208	3.880	14.470	0.149	1.373	2.497	2.255
0.620	78.454	0.257	1.371	0.255	2.182	2.260	20.195	0.094	0.218	1.595	2.191	3.900	23.510	0.088	0.219	2.506	2.210
0.640	79.935	0.261	1.361	0.246	2.215	2.280	18.438	0.086	0.199	1.613	2.181	3.920	28.546	0.059	-0.018	2.511	2.424
0.660	79.153	0.285	1.318	0.323	2.000	2.300	16.764	0.080	0.173	1.625	2.253	3.940	30.193	0.058	0.060	2.517	2.324
0.680	78.048	0.309	1.294	0.243	1.988	2.320	15.872	0.073	0.145	1.641	1.991	3.960	30.828	0.069	0.082	2.524	2.059
0.700	76.253	0.337	1.269	0.288	2.377	2.340	16.012	0.068	0.120	1.654	2.338	3.980	31.032	0.065	0.084	2.521	2.448
0.720	74.613	0.353	1.251	0.297	2.060	2.360	18.477	0.066	0.105	1.666	2.198	4.000	31.413	0.070	0.086	2.522	2.338
0.740	73.433	0.354	1.234	0.275	2.430	2.380	22.517	0.065	0.089	1.675	2.703	4.020	32.299	0.074	0.091	2.537	2.184
0.760	73.014	0.347	1.239	0.295	2.372	2.400	26.476	0.073	0.076	1.687	1.830	4.040	33.034	0.078	0.096	2.541	2.462
0.780	73.331	0.337	1.256	0.297	2.470	2.420	28.743	0.083	0.064	1.691	2.101	4.060	33.036	0.079	0.097	2.544	2.246
0.800	74.007	0.325	1.271	0.319	2.207	2.440	29.697	0.084	0.058	1.697	2.157	4.080	32.001	0.081	0.093	2.537	2.148
0.820	74.983	0.312	1.286	0.319	2.251	2.460	28.196	0.079	0.046	1.710	2.392	4.100	30.942	0.087	0.090	2.543	2.493
0.840	75.860	0.302	1.289	0.328	2.468	2.480	25.809	0.080	0.252	1.714	2.900	4.120	30.034	0.089	0.088	2.546	2.228
0.860	76.513	0.303	1.302	0.341	2.424	2.500	23.958	0.082	0.239	1.733	1.753	4.140	29.227	0.086	0.085	2.558	2.185
0.880	79.245	0.309	1.337	0.363	2.302	2.520	22.586										

[illegible]



[illegible]



Geo.Fe.

INDAGINI GEOLOGICHE

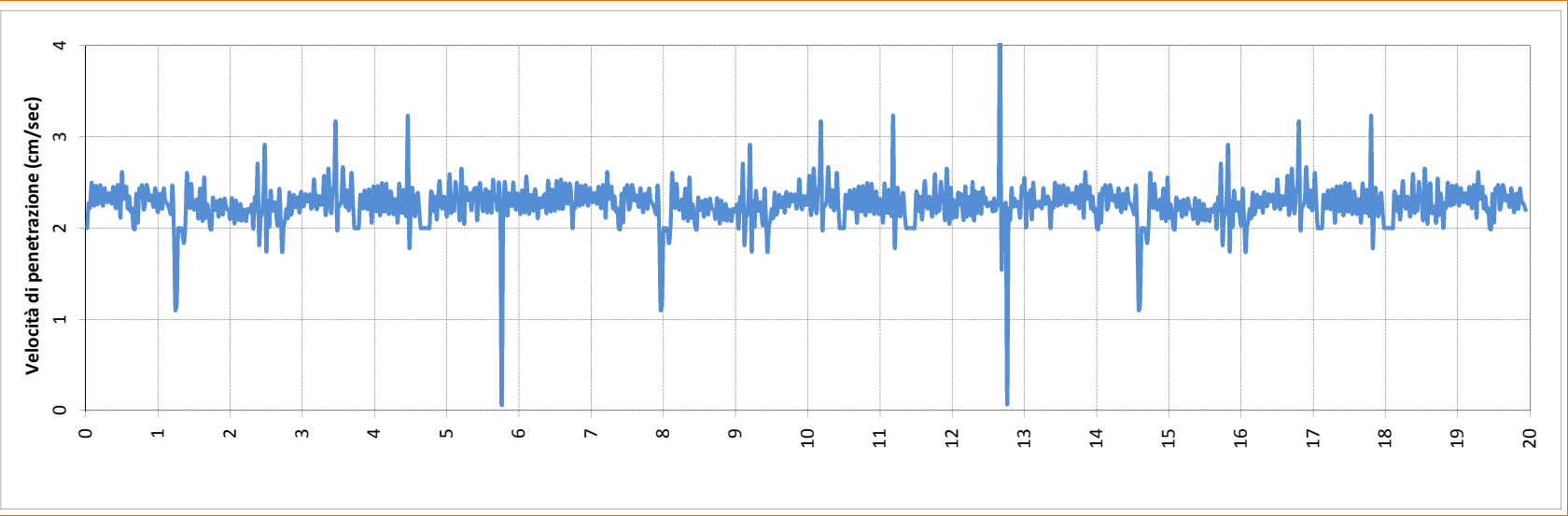
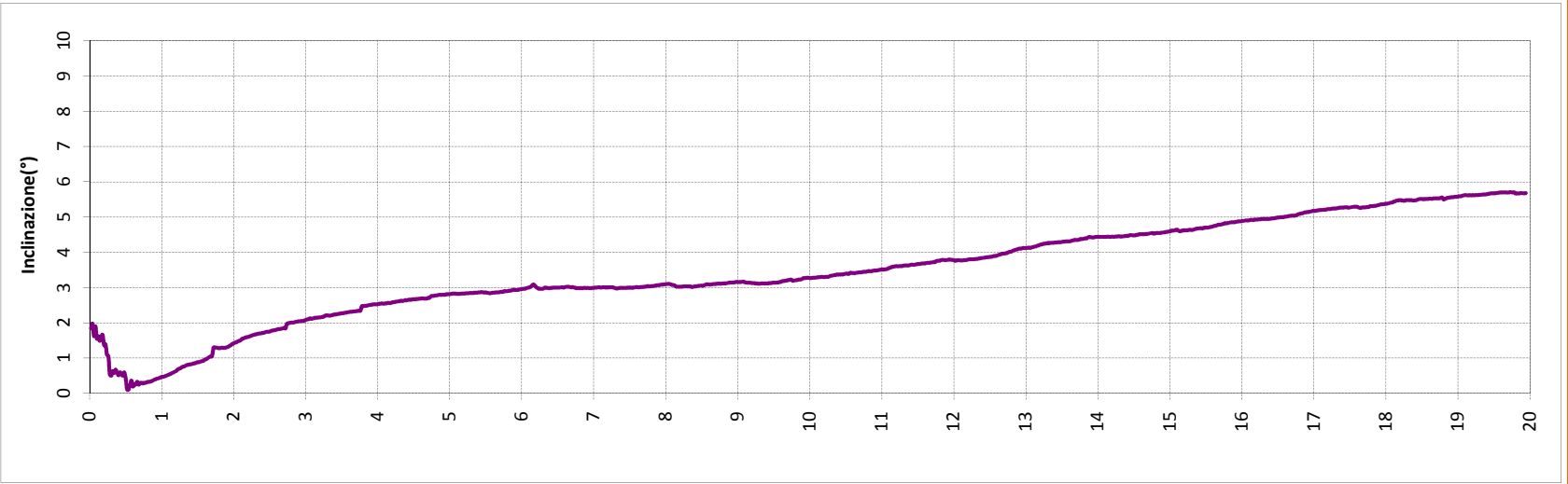
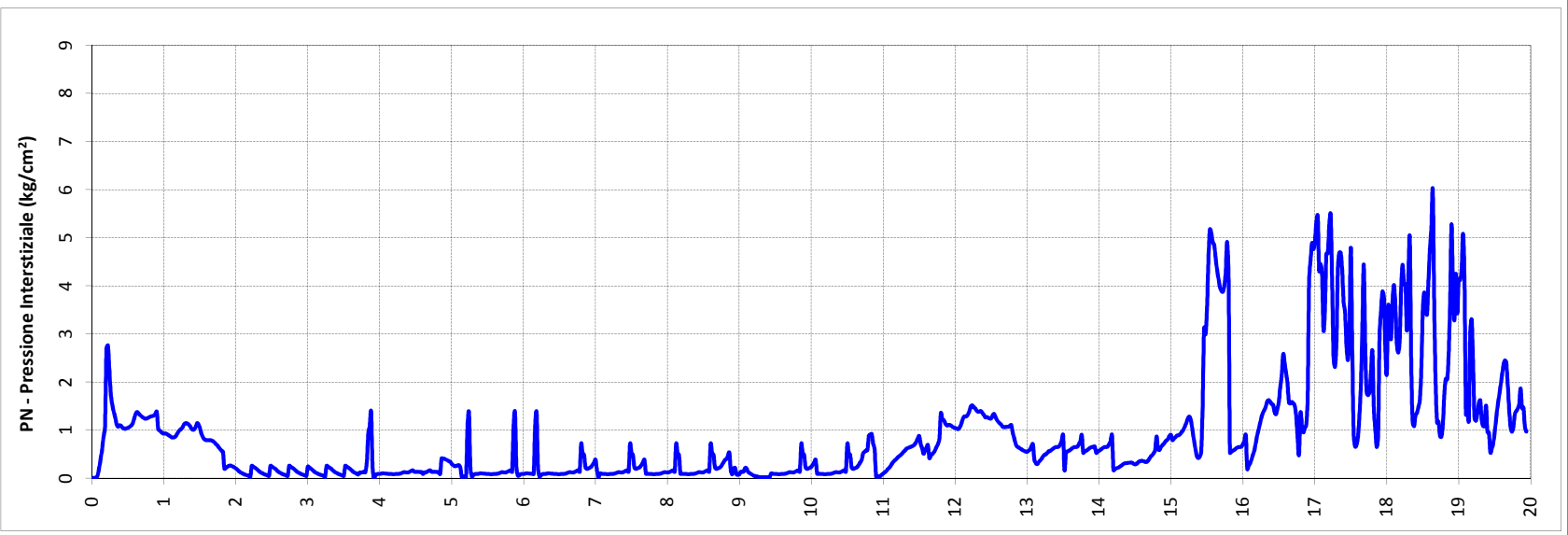
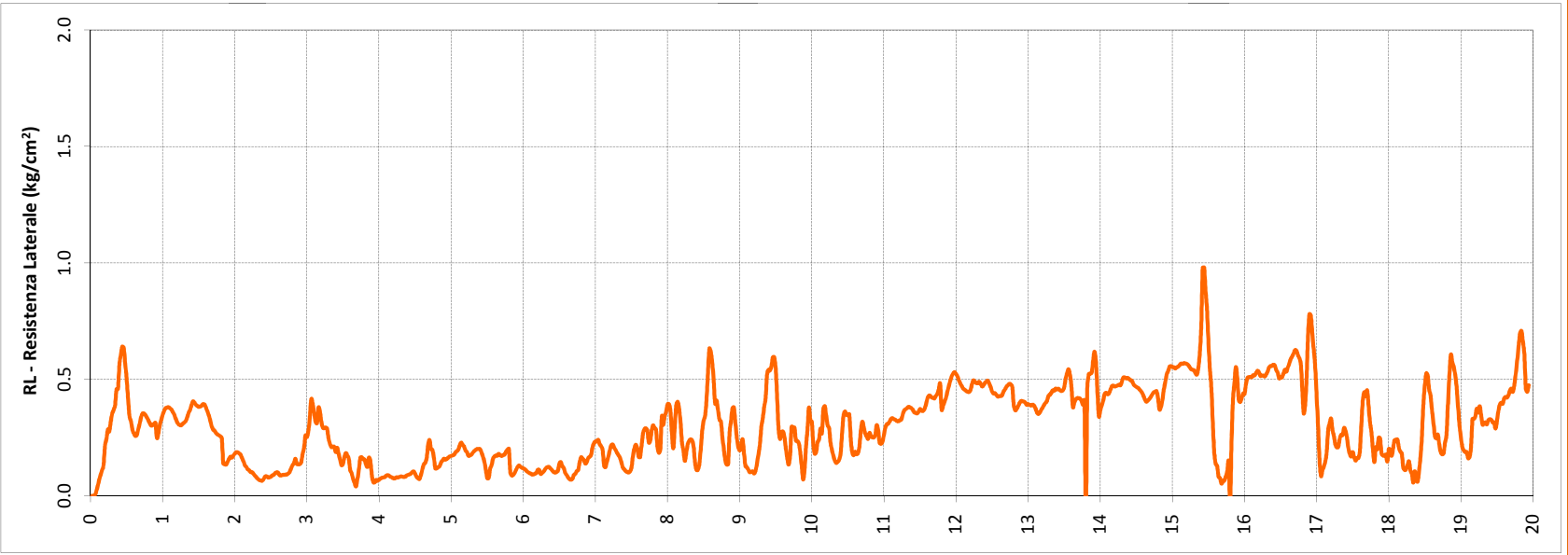
Committente:Dott. Geol. Mucchi  
Cantiere: Valle Pega - Comacchio (FE)  
Data: 17/06/2020

ID Prova: CPTU 9  
Profondità falda: a mt 1.50 da p.c.  
Preforo: -

Profondità massima raggiunta: 20.00 mt  
Punta sismica: Tecnopenta CPLSD  
RIF. 37/20GF

Prova eseguita da:  
**GEO.FE. S.n.c.**  
via dell'Artigianato ,3 44033 - Riva del Po (FE)  
tel [3383646278](tel:0533836462) - [info@geofe.it](mailto:info@geofe.it) - [www.geofe.it](http://www.geofe.it)  
Responsabile dati: Dott.Geol.Zanella Fabio  
Responsabile cantiere: Sig. Mangherini Alberto

GRAFICI PROVA CPTU 9





## UBICAZIONE PROVA CPTU-10





Geo.Fe.

INDAGINI GEOLOGICHE

Commitente:Dott. Geol. Mucchi

Cantiere: Valle Pega - Comacchio (FE)

Data: 17/06/2020

ID Prova: CPTU 10

Profondita falda: a mt 1.60 da p.c.

Preforo: -

Profondità massima raggiunta: 20.00 mt

Punta sismica: Tecnopenta CPLSD

RIF. 37/20GF

Prova eseguita da:

**GEO.FE. S.n.c.**

via dell'Artigianato ,3 44033 - Riva del Po (FE)

tel 3383646278 - [info@geofe.it](mailto:info@geofe.it) - [www.geofe.it](http://www.geofe.it)

Responsabile dati: Dott.Geol.Zanella Fabio

Responsabile cantiere: Sig. Mangherini Alberto

Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz	Prof.	RP	RL	PN	Incl.	Vavanz
metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec	metri	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	Gradi°	cm/sec
0.020	7.844	0.145	1.380	0.076	2.000	1.660	36.977	0.061	0.148	0.842	2.000	3.300	38.324	0.122	0.421	1.783	2.342	4.940	41.176	0.140	0.496	2.518	2.163
0.040	17.275	0.130	0.903	0.118	2.181	1.680	36.364	0.063	0.135	0.859	2.125	3.320	42.124	0.128	0.397	1.794	2.172	4.960	40.139	0.140	0.453	2.522	2.312
0.060	24.450	0.129	0.815	0.079	2.356	1.700	35.600	0.064	0.125	0.859	2.417	3.340	42.328	0.121	0.387	1.792	2.282	4.980	38.974	0.144	0.442	2.523	2.322
0.080	28.981	0.100	0.764	0.123	2.511	1.720	33.751	0.064	0.111	0.899	2.195	3.360	42.157	0.097	0.384	1.804	2.193	5.000	35.683	0.134	0.421	2.533	2.391
0.100	31.435	0.085	0.710	0.003	1.784	1.740	31.924	0.065	0.098	0.914	2.095	3.380	41.935	0.080	0.391	1.813	2.487	5.020	32.393	0.119	0.397	2.537	2.414
0.120	30.444	0.164	0.642	0.118	2.384	1.760	31.208	0.067	0.090	0.926	2.000	3.400	42.623	0.096	0.412	1.819	2.306	5.040	29.227	0.113	0.387	2.539	2.414
0.140	29.252	0.224	0.593	0.118	2.092	1.780	30.086	0.068	0.082	0.937	2.022	3.420	42.829	0.118	0.404	1.829	2.210	5.060	27.530	0.112	0.384	2.548	2.232
0.160	27.957	0.336	0.554	0.185	2.183	1.800	28.259	0.068	0.070	0.946	2.048	3.440	43.466	0.131	0.332	1.844	2.308	5.080	27.504	0.114	0.391	2.550	2.335
0.180	27.576	0.397	0.533	0.078	2.232	1.820	23.372	0.066	0.122	1.139	2.328	3.460	44.633	0.140	0.348	1.848	2.468	5.100	29.146	0.122	0.412	2.565	2.174
0.200	27.952	0.418	0.528	0.125	2.077	1.840	20.695	0.040	0.106	1.143	2.111	3.480	45.091	0.148	0.363	1.858	2.299	5.120	30.760	0.115	0.404	2.564	2.407
0.220	29.388	0.450	0.530	0.122	2.278	1.860	17.063	0.035	0.088	1.166	2.136	3.500	44.462	0.151	0.381	1.864	2.241	5.140	31.238	0.110	0.332	2.564	2.297
0.240	30.347	0.494	0.525	0.111	2.116	1.880	12.604	0.040	0.070	1.193	2.209	3.520	44.010	0.148	0.401	1.862	2.230	5.160	31.288	0.091	0.348	2.566	2.297
0.260	30.122	0.522	0.494	0.127	2.213	1.900	9.632	0.053	0.055	1.202	2.089	3.540	43.001	0.140	0.437	1.872	2.486	5.180	31.741	0.080	0.363	2.583	2.374
0.280	29.748	0.588	0.459	0.137	2.328	1.920	7.845	0.072	0.047	1.216	2.315	3.560	43.659	0.138	0.463	1.880	2.338	5.200	33.131	0.079	0.381	2.593	2.275
0.300	28.032	0.600	0.424	0.158	2.075	1.940	6.184	0.100	0.040	1.244	2.216	3.580	44.597	0.134	0.473	1.887	2.157	5.220	34.952	0.085	0.401	2.609	2.181
0.320	25.479	0.618	0.381	0.136	2.258	1.960	4.699	0.120	0.049	1.256	2.173	3.600	45.482	0.133	0.484	1.892	2.460	5.240	38.389	0.091	0.437	2.614	2.368
0.340	24.112	0.627	0.348	0.159	2.121	1.980	3.820	0.109	0.171	1.252	2.217	3.620	43.409	0.129	0.488	1.901	2.339	5.260	41.094	0.096	0.463	2.609	2.431
0.360	23.329	0.657	0.326	0.174	2.384	2.000	3.343	0.094	0.886	1.259	2.287	3.640	44.024	0.126	0.485	1.913	2.210	5.280	69.345	0.100	0.473	2.604	2.398
0.380	22.548	0.734	0.307	0.205	2.045	2.020	2.818	0.076	0.971	1.250	2.271	3.660	38.401	0.126	0.467	1.921	2.231	5.300	43.092	0.114	0.484	2.605	2.267
0.400	22.476	0.785	0.315	0.212	2.207	2.040	2.921	0.055	1.030	1.253	2.155	3.680	36.985	0.123	0.453	1.924	2.559	5.320	43.295	0.125	0.488	2.608	2.178
0.420	22.835	0.771	0.365	0.260	2.188	2.060	2.773	0.037	1.050	1.260	2.153	3.700	34.455	0.122	0.442	1.932	2.315	5.340	42.358	0.127	0.485	2.613	2.377
0.440	24.107	0.770	0.535	0.281	2.289	2.080	2.602	0.017	1.162	1.267	2.368	3.720	30.862	0.122	0.442	1.945	2.177	5.360	39.727	0.130	0.467	2.615	2.196
0.460	25.304	0.757	0.546	0.294	2.182	2.100	2.757	0.014	1.187	1.269	2.249	3.740	28.384	0.114	0.449	1.946	2.546	5.380	37.527	0.137	0.453	2.636	2.196
0.480	26.326	0.723	0.512	0.321	2.107	2.120	2.789	0.055	1.188	1.267	2.238	3.760	24.843	0.107	0.464	1.964	2.386	5.400	35.730	0.141	0.442	2.634	2.386
0.500	26.314	0.658	0.447	0.321	2.402	2.140	2.896	0.037	1.212	1.267	2.165	3.780	20.931	0.111	0.491	1.970	2.426	5.420	34.717	0.140	0.442	2.657	2.305
0.520	25.773	0.630	0.385	0.339	2.211	2.160	3.079	0.017	1.233	1.262	2.413	3.800	15.964	0.114	0.520	2.074	2.000	5.440	34.640	0.138	0.449	2.675	2.173
0.540	24.957	0.624	0.348	0.337	2.249	2.180	3.516	0.014	1.251	1.266	2.251	3.820	16.672	0.110	0.390	2.072	2.177	5.460	35.651	0.132	0.464	2.687	2.420
0.560	23.438	0.638	0.301	0.353	2.375	2.200	3.726	0.055	1.248	1.268	2.176	3.840	17.607	0.105	0.392	2.073	2.213	5.480	38.128	0.124	0.491	2.702	2.333
0.580	22.322	0.631	0.277	0.359	2.293	2.220	4.011	0.037	1.242	1.264	2.095	3.860	18.943	0.096	0.386	2.091	2.150	5.500	41.137	0.116	0.520	2.705	2.239
0.600	20.931	0.630	0.259	0.369	2.256	2.240	4.195	0.017	1.222	1.274	2.195	3.880	20.079	0.101	0.285	2.095	2.546	5.520	44.144	0.111	0.547	2.711	2.248
0.620	19.870	0.601	0.299	0.372	2.345	2.260	4.033	0.014	1.179	1.265	2.212	3.900	20.838	0.095	0.112	2.100	2.253	5.540	47.405	0.112	0.578	2.712	2.299
0.640	19.484	0.607	0.415	0.379	2.198	2.280	4.067	0.032	1.080	1.277	2.051	3.920	22.002	0.106	0.112	2.112	2.131	5.560	49.326	0.115	0.596	2.714	2.427
0.660	20.168	0.598	0.713	0.395	2.270	2.300	3.851	0.062															





[illegible]



Geo.Fe.

INDAGINI GEOLOGICHE

Committente:Dott. Geol. Mucchi  
Cantiere: Valle Pega - Comacchio (FE)  
Data: 17/06/2020

ID Prova: CPTU 10  
Profondità falda: a mt 1.60 da p.c.  
Preforo: -

Profondità massima raggiunta: 20.00 mt  
Punta sismica: Tecnopenta CPLSD  
RIF. 37/20GF

Prova eseguita da:  
**GEO.FE. S.n.c.**  
via dell'Artigianato ,3 44033 - Riva del Po (FE)  
tel [3383646278](tel:0533836462) - [info@geofe.it](mailto:info@geofe.it) - [www.geofe.it](http://www.geofe.it)  
Responsabile dati: Dott.Geol.Zanella Fabio  
Responsabile cantiere: Sig. Mangherini Alberto

GRAFICI PROVA CPTU 10

