



Comune di Serravalle a Po
Comune di Ostiglia
Provincia di Mantova

**Lavori di adeguamento in quota e della
sagoma dell'arginatura maestra del fiume Po
nei comuni di Serravalle a Po ed Ostiglia (MN)**

PROVE PENETROMETRICHE

I Geologi:

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ALL. 1



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TEST 177

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 07/09/2020

Profondità prova: 28.00 mt

Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.013533	0.091496	0.148	676.1
0.40	3.14	4.5	3.151661	0.12425	25.365	3.9
0.60	3.92	5.8	3.936193	0.098067	40.138	2.5
0.80	5.88	7.4	5.897523	0.12425	47.465	2.1
1.00	3.63	5.5	3.641994	0.085024	42.835	2.3
1.20	1.47	2.7	1.498064	0.05884	25.46	3.9
1.40	1.18	2.1	1.203864	0.039227	30.69	3.3
1.60	0.69	1.3	0.713532	0.045797	15.58	6.4
1.80	0.39	1.1	0.419332	0.039227	10.69	9.4
2.00	0.59	1.2	0.615465	0.039227	15.69	6.4
2.20	0.78	1.4	0.825132	0.045797	18.017	5.6
2.40	0.29	1.0	0.334799	0.06541	5.118	19.5
2.60	0.39	1.4	0.432866	0.06541	6.618	15.1
2.80	0.59	1.6	0.628999	0.071883	8.75	11.4
3.00	0.39	1.5	0.432866	0.098067	4.414	22.7
3.20	0.20	1.7	0.250266	0.085024	2.943	34.0
3.40	0.20	1.5	0.250266	0.071883	3.482	28.7
3.60	0.29	1.4	0.348332	0.078453	4.44	22.5
3.80	0.10	1.3	0.152199	0.06541	2.327	43.0
4.00	0.39	1.4	0.446399	0.078453	5.69	17.6
4.20	0.49	1.7	0.557998	0.06541	8.531	11.7
4.40	0.49	1.5	0.557998	0.091496	6.099	16.4
4.60	0.49	1.9	0.557998	0.091496	6.099	16.4
4.80	0.69	2.1	0.754131	0.104637	7.207	13.9
5.00	0.78	2.4	0.852198	0.104637	8.144	12.3
5.20	0.59	2.2	0.669598	0.12425	5.389	18.6
5.40	0.69	2.5	0.767665	0.078453	9.785	10.2
5.60	1.08	2.3	1.159931	0.11768	9.857	10.1
5.80	0.88	2.6	0.963798	0.111109	8.674	11.5
6.00	0.69	2.4	0.767665	0.091496	8.39	11.9
6.20	0.69	2.1	0.781198	0.091496	8.538	11.7
6.40	1.18	2.5	1.27153	0.143864	8.838	11.3
6.60	1.08	3.2	1.173464	0.130723	8.977	11.1
6.80	0.88	2.8	0.977331	0.111109	8.796	11.4
7.00	1.08	2.7	1.173464	0.111109	10.561	9.5
7.20	1.08	2.7	1.186997	0.091496	12.973	7.7
7.40	0.98	2.4	1.08893	0.111109	9.801	10.2
7.60	0.49	2.2	0.598598	0.091496	6.542	15.3
7.80	0.49	1.9	0.598598	0.06541	9.151	10.9
8.00	0.69	1.7	0.794731	0.11768	6.753	14.8
8.20	1.47	3.2	1.592796	0.137293	11.601	8.6
8.40	0.88	2.9	1.004397	0.11768	8.535	11.7
8.60	1.47	3.2	1.592796	0.11768	13.535	7.4
8.80	1.18	2.9	1.298597	0.137293	9.459	10.6
9.00	1.77	3.8	1.886996	0.11768	16.035	6.2
9.20	1.18	2.9	1.31213	0.11768	11.15	9.0
9.40	1.67	3.4	1.802462	0.163477	11.026	9.1
9.60	1.08	3.5	1.214063	0.111109	10.927	9.2
9.80	1.37	3.0	1.508263	0.098067	15.38	6.5
10.00	1.27	2.7	1.410196	0.12425	11.35	8.8
10.20	1.27	3.1	1.423729	0.052269	27.238	3.7
10.40	2.55	3.3	2.698594	0.150336	17.95	5.6
10.60	0.49	2.7	0.639197	0.045797	13.957	7.2
10.80	0.69	1.4	0.83533	0.06541	12.771	7.8
11.00	0.49	1.5	0.639197	0.052269	12.229	8.2
11.20	1.08	1.9	1.24113	0.045797	27.101	3.7

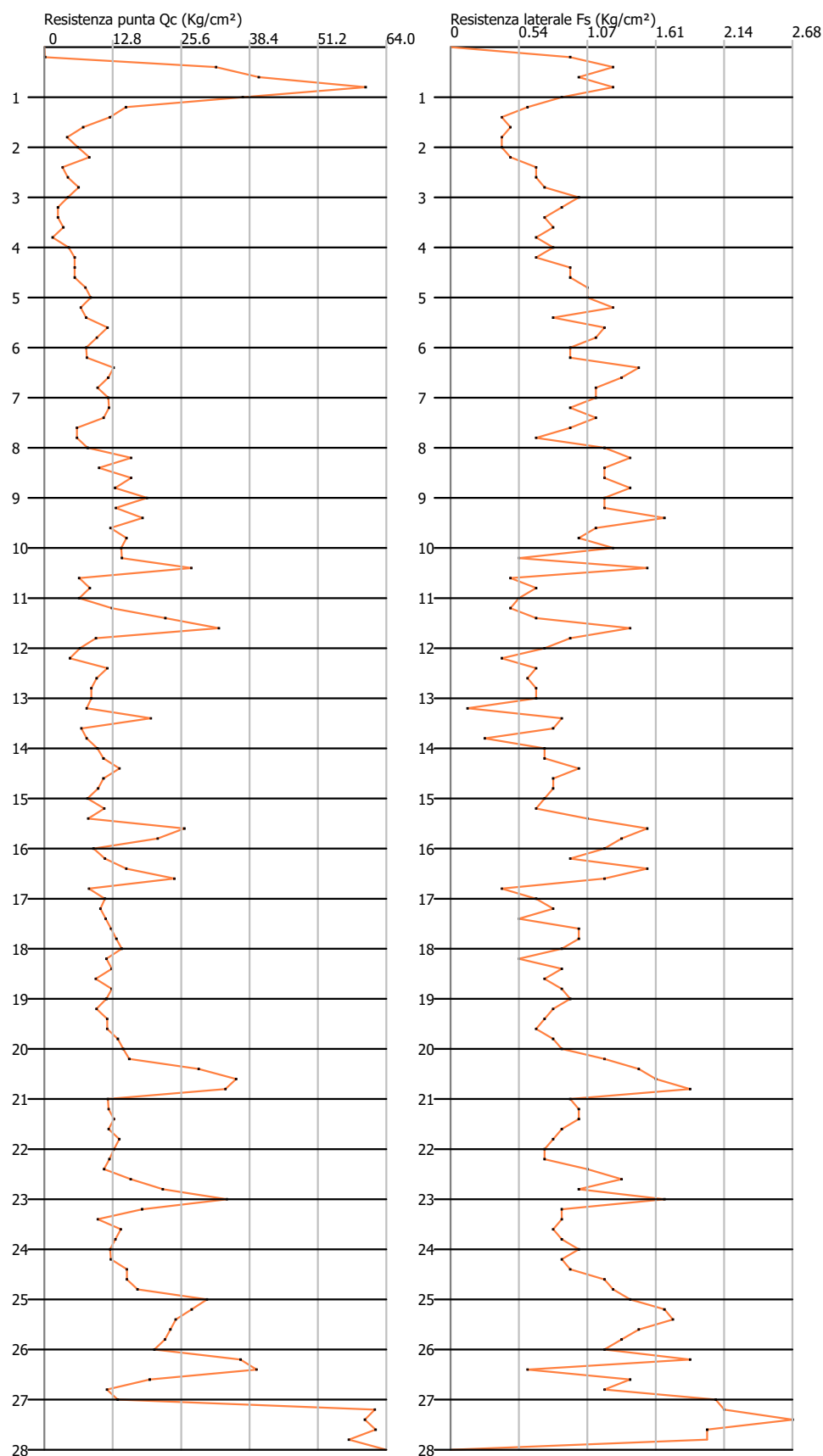
11.40	2.06	2.7	2.221795	0.06541	33.967	2.9
11.60	3.04	4.0	3.20246	0.137293	23.326	4.3
11.80	0.78	2.8	0.94693	0.091496	10.349	9.7
12.00	0.49	1.9	0.652731	0.071883	9.08	11.0
12.20	0.29	1.4	0.470131	0.039227	11.985	8.3
12.40	0.98	1.6	1.156596	0.06541	17.682	5.7
12.60	0.78	1.8	0.960463	0.05884	16.323	6.1
12.80	0.69	1.6	0.862397	0.06541	13.184	7.6
13.00	0.69	1.7	0.862397	0.06541	13.184	7.6
13.20	0.59	1.6	0.777863	0.013043	59.639	1.7
13.40	1.77	2.0	1.954662	0.085024	22.99	4.3
13.60	0.49	1.8	0.679797	0.078453	8.665	11.5
13.80	0.59	1.8	0.777863	0.026184	29.708	3.4
14.00	0.78	1.2	0.973996	0.071883	13.55	7.4
14.20	0.88	2.0	1.085596	0.071883	15.102	6.6
14.40	1.18	2.3	1.379796	0.098067	14.07	7.1
14.60	0.88	2.4	1.085596	0.078453	13.838	7.2
14.80	0.78	2.0	0.98753	0.078453	12.588	7.9
15.00	0.59	1.8	0.791397	0.071883	11.01	9.1
15.20	0.88	2.0	1.099129	0.06541	16.804	6.0
15.40	0.59	1.6	0.80493	0.104637	7.693	13.0
15.60	2.35	3.9	2.570127	0.150336	17.096	5.8
15.80	1.86	4.1	2.079794	0.130723	15.91	6.3
16.00	0.69	2.6	0.902996	0.11768	7.673	13.0
16.20	0.88	2.6	1.112663	0.091496	12.161	8.2
16.40	1.27	2.6	1.504929	0.150336	10.01	10.0
16.60	2.16	4.4	2.387527	0.11768	20.288	4.9
16.80	0.59	2.4	0.818463	0.039227	20.865	4.8
17.00	0.88	1.5	1.112663	0.06541	17.01	5.9
17.20	0.78	1.8	1.028129	0.078453	13.105	7.6
17.40	0.88	2.1	1.126196	0.052269	21.546	4.6
17.60	0.98	1.8	1.224262	0.098067	12.484	8.0
17.80	1.08	2.5	1.322329	0.098067	13.484	7.4
18.00	1.18	2.6	1.420395	0.085024	16.706	6.0
18.20	0.88	2.2	1.139729	0.052269	21.805	4.6
18.40	0.98	1.8	1.237795	0.085024	14.558	6.9
18.60	0.69	2.0	0.943596	0.071883	13.127	7.6
18.80	0.98	2.1	1.237795	0.085024	14.558	6.9
19.00	0.88	2.2	1.139729	0.091496	12.457	8.0
19.20	0.69	2.1	0.957129	0.078453	12.2	8.2
19.40	0.88	2.1	1.153262	0.071883	16.044	6.2
19.60	0.88	2.0	1.153262	0.06541	17.631	5.7
19.80	1.08	2.1	1.349395	0.078453	17.2	5.8
20.00	1.18	2.4	1.447462	0.085024	17.024	5.9
20.20	1.27	2.5	1.559061	0.11768	13.248	7.5
20.40	2.55	4.3	2.833926	0.143864	19.699	5.1
20.60	3.24	5.4	3.520391	0.156906	22.436	4.5
20.80	3.04	5.4	3.324258	0.18309	18.156	5.5
21.00	0.88	3.6	1.166795	0.091496	12.752	7.8
21.20	0.88	2.3	1.180328	0.098067	12.036	8.3
21.40	0.98	2.5	1.278395	0.098067	13.036	7.7
21.60	0.88	2.4	1.180328	0.085024	13.882	7.2
21.80	1.08	2.4	1.376461	0.078453	17.545	5.7
22.00	0.98	2.2	1.278395	0.071883	17.784	5.6
22.20	0.88	2.0	1.193862	0.071883	16.608	6.0
22.40	0.78	1.9	1.095795	0.104637	10.472	9.5
22.60	1.27	2.8	1.586128	0.130723	12.134	8.2
22.80	1.86	3.8	2.174527	0.098067	22.174	4.5
23.00	3.04	4.5	3.351325	0.163477	20.5	4.9
23.20	1.47	3.9	1.795794	0.084991	21.129	4.7
23.40	0.98	2.3	0.980665	0.085024	11.534	8.7
23.60	1.08	2.4	1.403528	0.078453	17.89	5.6
23.80	0.98	2.2	1.305461	0.085024	15.354	6.5
24.00	0.88	2.2	1.207395	0.098067	12.312	8.1
24.20	0.88	2.4	1.220928	0.085024	14.36	7.0
24.40	1.18	2.5	1.515127	0.091496	16.559	6.0

24.60	1.18	2.5	1.515127	0.11768	12.875	7.8
24.80	1.37	3.1	1.71126	0.12425	13.773	7.3
25.00	2.65	4.5	2.986125	0.137293	21.75	4.6
25.20	2.35	4.4	2.705459	0.163477	16.549	6.0
25.40	2.06	4.5	2.411259	0.169949	14.188	7.0
25.60	1.96	4.5	2.313193	0.143864	16.079	6.2
25.80	1.86	4.0	2.215126	0.130723	16.945	5.9
26.00	1.67	3.6	2.018993	0.11768	17.157	5.8
26.20	3.24	5.0	3.60159	0.18309	19.671	5.1
26.40	3.53	6.3	3.89579	0.05884	66.21	1.5
26.60	1.57	2.5	1.93446	0.137293	14.09	7.1
26.80	0.78	2.8	1.149928	0.11768	9.772	10.2
27.00	0.98	2.7	1.346061	0.202703	6.641	15.1
27.20	5.69	8.7	6.066786	0.209209	28.999	3.4
27.40	5.88	9.0	5.88399	0.261511	22.5	4.4
27.60	6.08	10.0	6.080123	0.196133	31.0	3.2
27.80	5.59	8.5	5.589791	0.196133	28.5	3.5
28.00	6.28	9.2	6.276256	0.0		0.0

Probe CPT - Cone Penetration TEST 177
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 07/09/2020



TEST 178

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 07/09/2020

Profondità prova: 8.00 mt

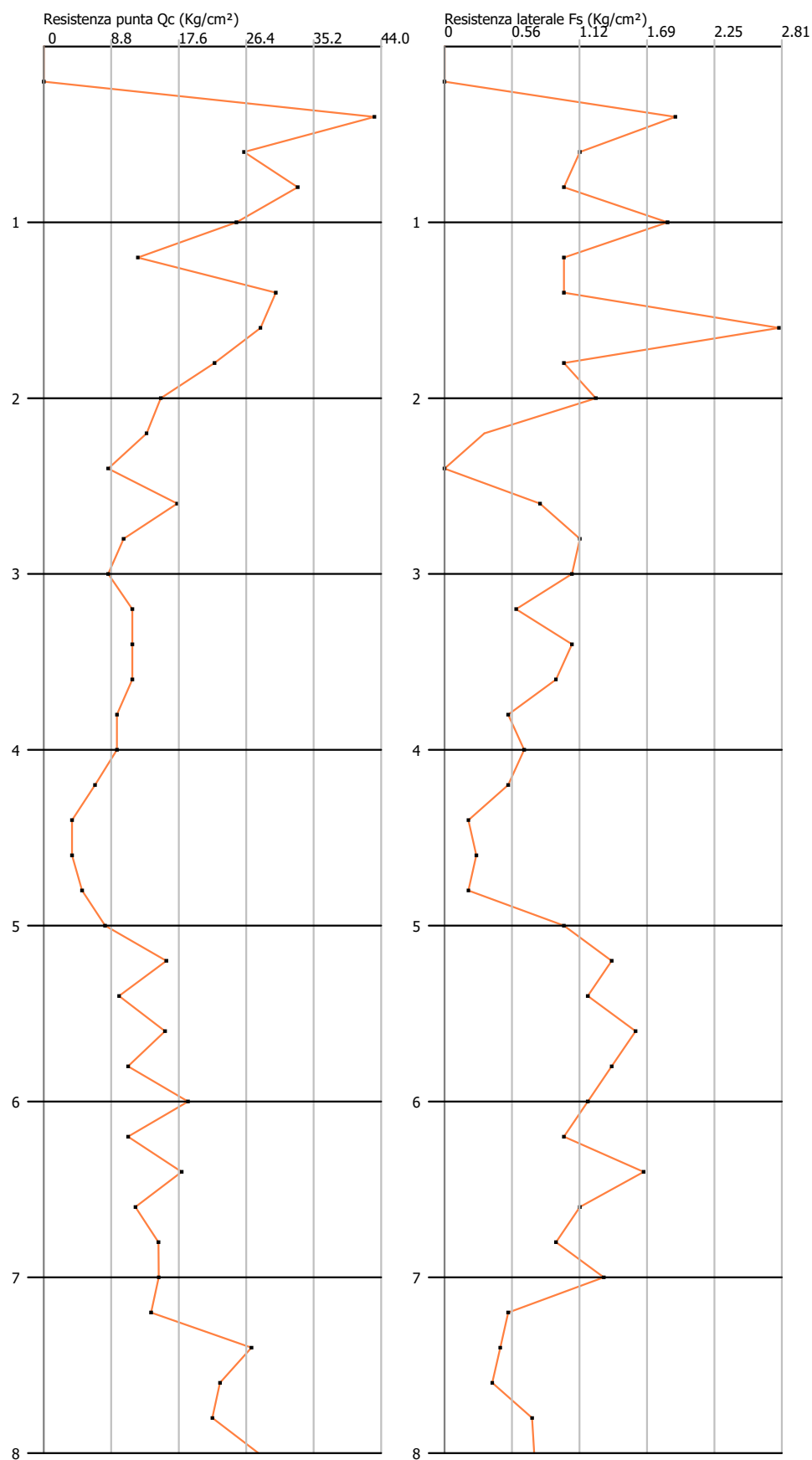
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.0	0.0		
0.40	4.22	8.8	4.230393	0.189563	22.317	4.5
0.60	2.55	5.4	2.563262	0.111109	23.07	4.3
0.80	3.24	4.9	3.249728	0.098067	33.138	3.0
1.00	2.45	3.9	2.465196	0.18309	13.464	7.4
1.20	1.18	3.9	1.203864	0.098067	12.276	8.1
1.40	2.94	4.4	2.969061	0.098067	30.276	3.3
1.60	2.75	4.2	2.772928	0.274586	10.099	9.9
1.80	2.16	6.3	2.184529	0.098067	22.276	4.5
2.00	1.47	2.9	1.498064	0.12425	12.057	8.3
2.20	1.27	3.1	1.315464	0.032656	40.282	2.5
2.40	0.78	1.3	0.825132	-0.111109	-7.426	-13.5
2.60	1.67	0.0	1.70773	0.078453	21.768	4.6
2.80	0.98	2.2	1.021265	0.111109	9.192	10.9
3.00	0.78	2.5	0.825132	0.104637	7.886	12.7
3.20	1.08	2.6	1.132864	0.05884	19.253	5.2
3.40	1.08	2.0	1.132864	0.104637	10.827	9.2
3.60	1.08	2.6	1.132864	0.091496	12.382	8.1
3.80	0.88	2.3	0.936731	0.052269	17.921	5.6
4.00	0.88	1.7	0.936731	0.06541	14.321	7.0
4.20	0.59	1.6	0.656065	0.052269	12.552	8.0
4.40	0.29	1.1	0.361865	0.019613	18.45	5.4
4.60	0.29	0.6	0.361865	0.026151	13.837	7.2
4.80	0.49	0.9	0.490333	0.019613	25.0	4.0
5.00	0.78	1.1	0.784532	0.098067	8.0	12.5
5.20	1.57	3.0	1.569064	0.137293	11.429	8.8
5.40	0.88	2.9	0.963798	0.11768	8.19	12.2
5.60	1.47	3.2	1.552197	0.156906	9.893	10.1
5.80	1.08	3.4	1.078732	0.137293	7.857	12.7
6.00	1.77	3.8	1.846396	0.11768	15.69	6.4
6.20	1.08	2.8	1.078732	0.098067	11.0	9.1
6.40	1.77	3.2	1.765197	0.163477	10.798	9.3
6.60	1.08	3.5	1.173464	0.111109	10.561	9.5
6.80	1.37	3.0	1.467663	0.091529	16.035	6.2
7.00	1.47	2.8	1.470998	0.130755	11.25	8.9
7.20	1.37	3.3	1.372931	0.052269	26.266	3.8
7.40	2.55	3.3	2.657994	0.045764	58.08	1.7
7.60	2.26	2.9	2.25553	0.039227	57.5	1.7
7.80	2.16	2.7	2.157463	0.071915	30.0	3.3
8.00	2.75	3.8	2.745862	0.073668	37.274	2.7

Probe CPT - Cone Penetration TEST 178
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 07/09/2020



TEST 179

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 07/09/2020

Profondità prova: 8.00 mt

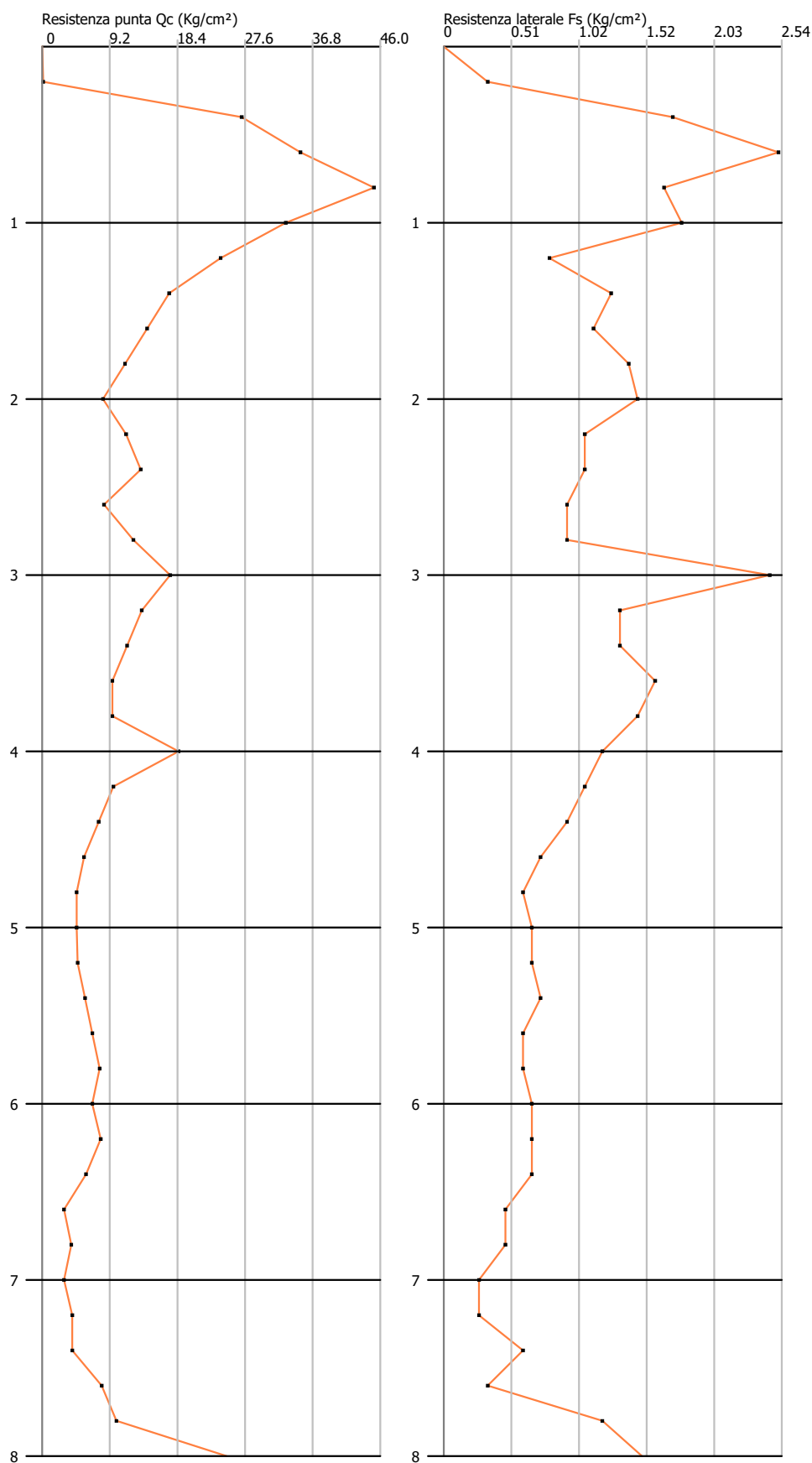
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.013533	0.032656	0.414	241.3
0.40	2.65	3.1	2.661329	0.169949	15.66	6.4
0.60	3.43	6.0	3.445861	0.248402	13.872	7.2
0.80	4.41	8.1	4.426526	0.163477	27.077	3.7
1.00	3.24	5.7	3.249728	0.17652	18.41	5.4
1.20	2.35	5.0	2.380662	0.078453	30.345	3.3
1.40	1.67	2.8	1.694197	0.12425	13.635	7.3
1.60	1.37	3.2	1.399997	0.111109	12.6	7.9
1.80	1.08	2.7	1.105798	0.137293	8.054	12.4
2.00	0.78	2.8	0.811598	0.143864	5.641	17.7
2.20	1.08	3.2	1.119331	0.104637	10.697	9.3
2.40	1.27	2.8	1.315464	0.104637	12.572	8.0
2.60	0.78	2.4	0.825132	0.091496	9.018	11.1
2.80	1.18	2.5	1.217398	0.091496	13.305	7.5
3.00	1.67	3.0	1.70773	0.24193	7.059	14.2
3.20	1.27	4.9	1.328997	0.130723	10.167	9.8
3.40	1.08	3.0	1.132864	0.130723	8.666	11.5
3.60	0.88	2.8	0.936731	0.156906	5.97	16.8
3.80	0.88	3.2	0.936731	0.143864	6.511	15.4
4.00	1.77	3.9	1.81933	0.11768	15.46	6.5
4.20	0.88	2.6	0.950264	0.104637	9.082	11.0
4.40	0.69	2.3	0.754131	0.091496	8.242	12.1
4.60	0.49	1.9	0.557998	0.071883	7.763	12.9
4.80	0.39	1.5	0.459932	0.05884	7.817	12.8
5.00	0.39	1.3	0.459932	0.06541	7.031	14.2
5.20	0.39	1.4	0.473465	0.06541	7.238	13.8
5.40	0.49	1.5	0.571532	0.071883	7.951	12.6
5.60	0.59	1.7	0.669598	0.05884	11.38	8.8
5.80	0.69	1.6	0.767665	0.05884	13.047	7.7
6.00	0.59	1.5	0.669598	0.06541	10.237	9.8
6.20	0.69	1.7	0.781198	0.06541	11.943	8.4
6.40	0.49	1.5	0.585065	0.06541	8.945	11.2
6.60	0.20	1.2	0.290865	0.045797	6.351	15.7
6.80	0.29	1.0	0.388932	0.045797	8.493	11.8
7.00	0.20	0.9	0.290865	0.026184	11.109	9.0
7.20	0.29	0.7	0.402465	0.026184	15.371	6.5
7.40	0.29	0.7	0.402465	0.05884	6.84	14.6
7.60	0.69	1.6	0.794731	0.032656	24.336	4.1
7.80	0.88	1.4	0.990864	0.11768	8.42	11.9
8.00	2.35	4.1	2.461861	0.1471	16.736	6.0

Probe CPT - Cone Penetration TEST 179
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 07/09/2020



TEST 180

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 07/09/2020

Profondità prova: 8.00 mt

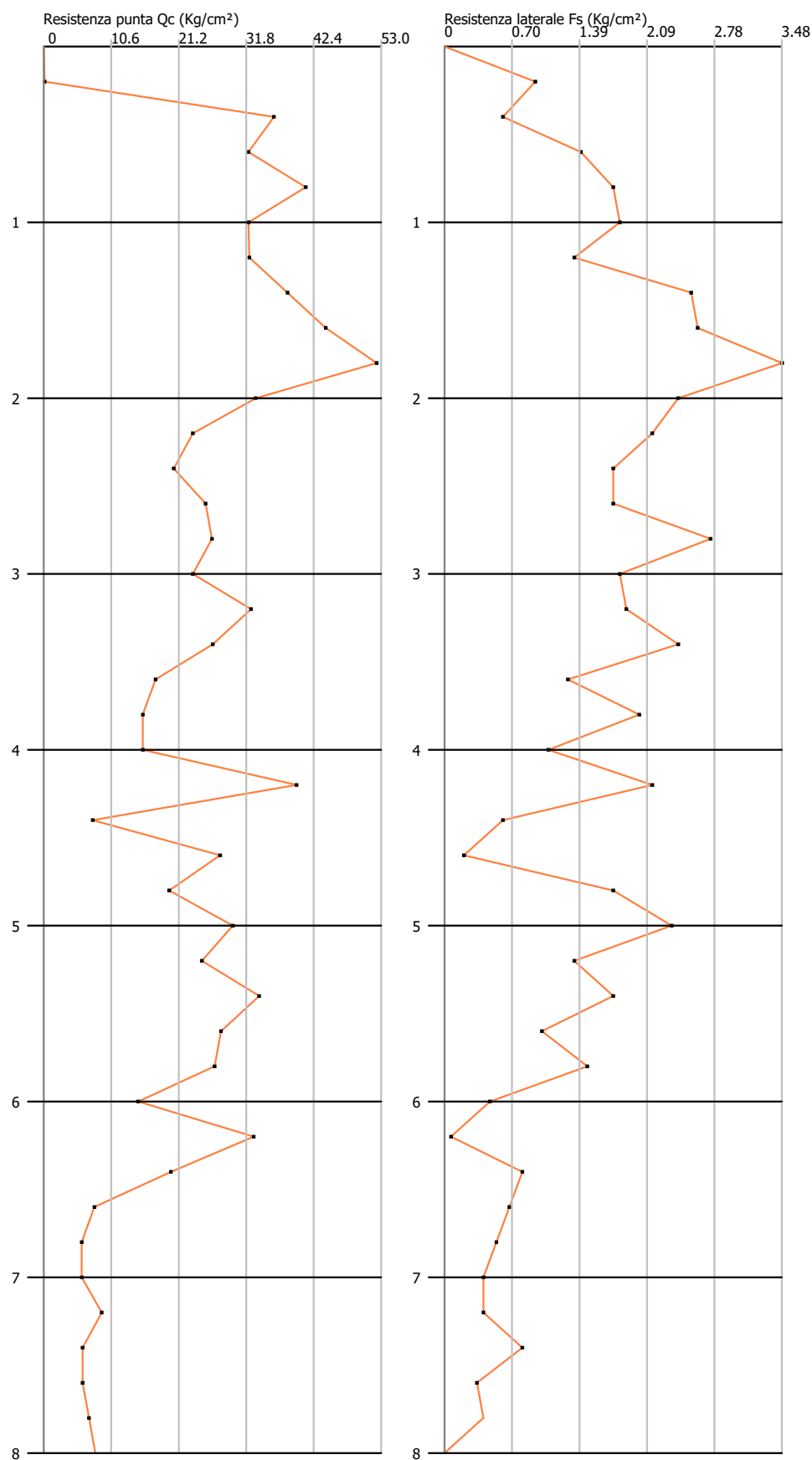
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.013533	0.091496	0.148	676.1
0.40	3.53	4.9	3.543927	0.05884	60.23	1.7
0.60	3.14	4.0	3.151661	0.137293	22.956	4.4
0.80	4.02	6.1	4.03426	0.169949	23.738	4.2
1.00	3.14	5.7	3.151661	0.17652	17.854	5.6
1.20	3.14	5.8	3.165194	0.130723	24.213	4.1
1.40	3.73	5.7	3.753593	0.248402	15.111	6.6
1.60	4.31	8.0	4.341992	0.254973	17.029	5.9
1.80	5.10	8.9	5.126524	0.339997	15.078	6.6
2.00	3.24	8.3	3.263261	0.23536	13.865	7.2
2.20	2.26	5.8	2.296129	0.209176	10.977	9.1
2.40	1.96	5.1	2.00193	0.169949	11.78	8.5
2.60	2.45	5.0	2.492262	0.169949	14.665	6.8
2.80	2.55	5.1	2.590329	0.268016	9.665	10.3
3.00	2.26	6.3	2.296129	0.17652	13.008	7.7
3.20	3.14	5.8	3.192261	0.18309	17.435	5.7
3.40	2.55	5.3	2.603862	0.23536	11.063	9.0
3.60	1.67	5.2	1.721263	0.12425	13.853	7.2
3.80	1.47	3.3	1.52513	0.196133	7.776	12.9
4.00	1.47	4.4	1.52513	0.104637	14.575	6.9
4.20	3.82	5.4	3.892259	0.209176	18.608	5.4
4.40	0.69	3.8	0.754131	0.05884	12.817	7.8
4.60	2.65	3.5	2.715461	0.019613	138.45	0.7
4.80	1.86	2.2	1.930929	0.169949	11.362	8.8
5.00	2.84	5.4	2.911594	0.228789	12.726	7.9
5.20	2.35	5.8	2.434795	0.130723	18.626	5.4
5.40	3.24	5.2	3.317394	0.169949	19.52	5.1
5.60	2.65	5.2	2.728995	0.098067	27.828	3.6
5.80	2.55	4.0	2.630928	0.143864	18.288	5.5
6.00	1.37	3.5	1.45413	0.045797	31.752	3.1
6.20	3.14	3.8	3.23286	0.00657	492.03	0.2
6.40	1.86	2.0	1.957996	0.078453	24.958	4.0
6.60	0.69	1.9	0.781198	0.06541	11.943	8.4
6.80	0.49	1.5	0.585065	0.052269	11.193	8.9
7.00	0.49	1.3	0.585065	0.039227	14.915	6.7
7.20	0.78	1.4	0.892797	0.039227	22.76	4.4
7.40	0.49	1.1	0.598598	0.078453	7.63	13.1
7.60	0.49	1.7	0.598598	0.032656	18.33	5.5
7.80	0.59	1.1	0.696664	0.039227	17.76	5.6
8.00	0.69	1.3	0.794731	0.0		0.0

Probe CPT - Cone Penetration TEST 180
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 07/09/2020



TEST 181

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 08/09/2020

Profondità prova: 36.00 mt

Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.013533	0.156906	0.086	1159.4
0.40	6.47	8.8	6.485922	0.196133	33.069	3.0
0.60	4.12	7.1	4.132326	0.215746	19.154	5.2
0.80	2.35	5.6	2.367129	0.111109	21.305	4.7
1.00	3.43	5.1	3.445861	0.12425	27.733	3.6
1.20	2.94	4.8	2.969061	0.130723	22.713	4.4
1.40	1.96	3.9	1.988396	0.104637	19.003	5.3
1.60	1.57	3.1	1.59613	0.091496	17.445	5.7
1.80	1.37	2.7	1.399997	0.098067	14.276	7.0
2.00	1.18	2.6	1.203864	0.078453	15.345	6.5
2.20	1.27	2.5	1.315464	0.11768	11.178	8.9
2.40	0.98	2.7	1.021265	0.143864	7.099	14.1
2.60	0.88	3.0	0.923198	0.091496	10.09	9.9
2.80	0.88	2.3	0.923198	0.026184	35.258	2.8
3.00	2.16	2.5	2.198063	0.130723	16.815	5.9
3.20	0.78	2.7	0.838665	0.05884	14.253	7.0
3.40	2.45	3.3	2.505795	0.11768	21.293	4.7
3.60	0.98	2.7	1.034798	0.098067	10.552	9.5
3.80	0.69	2.2	0.740598	0.045797	16.171	6.2
4.00	1.18	1.9	1.230931	0.052269	23.55	4.2
4.20	0.39	1.2	0.459932	0.06541	7.031	14.2
4.40	0.69	1.7	0.754131	0.039227	19.225	5.2
4.60	0.29	0.9	0.361865	0.045797	7.901	12.7
4.80	0.00	0.7	0.067666	0.039227	1.725	58.0
5.00	0.49	1.1	0.557998	0.071883	7.763	12.9
5.20	0.49	1.6	0.571532	0.06541	8.738	11.4
5.40	2.16	3.1	2.238662	0.150336	14.891	6.7
5.60	2.55	4.8	2.630928	0.098067	26.828	3.7
5.80	1.57	3.0	1.650263	0.130723	12.624	7.9
6.00	2.45	4.4	2.532862	0.130723	19.376	5.2
6.20	1.08	3.0	1.173464	0.111109	10.561	9.5
6.40	0.59	2.3	0.683131	0.05884	11.61	8.6
6.60	0.78	1.7	0.879264	0.071883	12.232	8.2
6.80	0.59	1.7	0.683131	0.071883	9.503	10.5
7.00	0.78	1.9	0.879264	0.085024	10.341	9.7
7.20	0.88	2.2	0.990864	0.071883	13.784	7.3
7.40	0.88	2.0	0.990864	0.06541	15.148	6.6
7.60	0.98	2.0	1.08893	0.078453	13.88	7.2
7.80	1.37	2.5	1.481196	0.098067	15.104	6.6
8.00	2.26	3.7	2.363795	0.137293	17.217	5.8
8.20	0.88	2.9	1.004397	0.085024	11.813	8.5
8.40	0.39	1.7	0.514065	0.032656	15.742	6.4
8.60	0.98	1.5	1.102464	0.111109	9.922	10.1
8.80	0.78	2.5	0.906331	0.071883	12.608	7.9
9.00	0.69	1.8	0.808264	0.052269	15.463	6.5
9.20	0.88	1.7	1.01793	0.071883	14.161	7.1
9.40	0.29	1.4	0.429531	0.052269	8.218	12.2
9.60	0.59	1.4	0.723731	0.045797	15.803	6.3
9.80	0.59	1.3	0.723731	0.085024	8.512	11.7
10.00	0.88	2.2	1.01793	0.052269	19.475	5.1
10.20	0.59	1.4	0.737264	0.052269	14.105	7.1
10.40	0.49	1.3	0.639197	0.00657	97.284	1.0
10.60	2.26	2.4	2.404394	0.11768	20.432	4.9
10.80	0.98	2.7	1.12953	0.098067	11.518	8.7
11.00	2.55	4.0	2.698594	0.11768	22.932	4.4
11.20	0.98	2.7	1.143063	0.05884	19.427	5.1
11.40	0.59	1.5	0.750797	0.026184	28.674	3.5

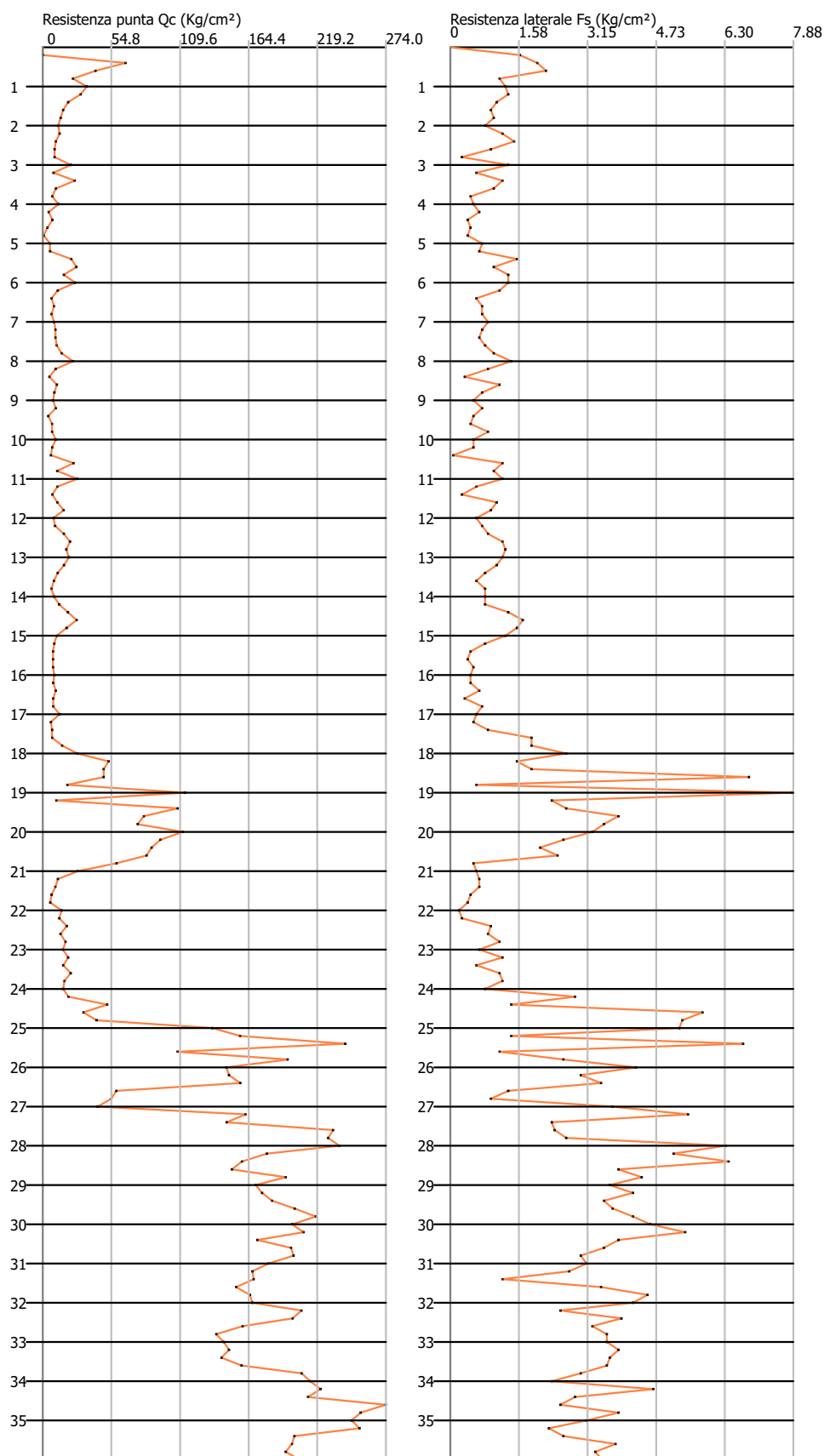
11.60	0.98	1.4	1.143063	0.104637	10.924	9.2
11.80	1.47	3.0	1.633396	0.091496	17.852	5.6
12.00	0.69	2.1	0.848864	0.05884	14.427	6.9
12.20	0.78	1.7	0.960463	0.071883	13.362	7.5
12.40	1.47	2.5	1.646929	0.085024	19.37	5.2
12.60	1.96	3.2	2.137261	0.11768	18.162	5.5
12.80	1.67	3.4	1.843062	0.12425	14.833	6.7
13.00	1.86	3.7	2.039195	0.11768	17.328	5.8
13.20	1.47	3.2	1.660462	0.104637	15.869	6.3
13.40	0.98	2.5	1.170129	0.078453	14.915	6.7
13.60	0.69	1.9	0.87593	0.05884	14.887	6.7
13.80	0.49	1.4	0.679797	0.078453	8.665	11.5
14.00	0.69	1.9	0.87593	0.078453	11.165	9.0
14.20	1.08	2.3	1.281729	0.078453	16.338	6.1
14.40	1.77	2.9	1.968195	0.130723	15.056	6.6
14.60	2.45	4.4	2.65466	0.163477	16.239	6.2
14.80	1.67	4.1	1.870128	0.150336	12.44	8.0
15.00	0.88	3.1	1.085596	0.12425	8.737	11.4
15.20	0.69	2.5	0.902996	0.078453	11.51	8.7
15.40	0.59	1.8	0.80493	0.045797	17.576	5.7
15.60	0.59	1.3	0.80493	0.039227	20.52	4.9
15.80	0.59	1.2	0.80493	0.052269	15.4	6.5
16.00	0.69	1.5	0.902996	0.045797	19.717	5.1
16.20	0.59	1.3	0.818463	0.045797	17.872	5.6
16.40	0.78	1.5	1.014596	0.06541	15.511	6.4
16.60	0.59	1.6	0.818463	0.032656	25.063	4.0
16.80	0.59	1.1	0.818463	0.071883	11.386	8.8
17.00	1.08	2.2	1.308796	0.05884	22.243	4.5
17.20	0.39	1.3	0.635863	0.052269	12.165	8.2
17.40	0.49	1.3	0.73393	0.085024	8.632	11.6
17.60	0.49	1.8	0.73393	0.18309	4.009	24.9
17.80	1.27	4.0	1.518462	0.18309	8.294	12.1
18.00	2.45	5.2	2.69526	0.261543	10.305	9.7
18.20	4.90	8.8	5.160455	0.150336	34.326	2.9
18.40	4.51	6.8	4.768189	0.18309	26.043	3.8
18.60	4.51	7.3	4.768189	0.673423	7.081	14.1
18.80	1.67	11.8	1.924261	0.05884	32.703	3.1
19.00	10.89	11.8	11.142512	0.771489	14.443	6.9
19.20	0.78	12.4	1.055196	0.228789	4.612	21.7
19.40	10.30	13.7	10.567646	0.261543	40.405	2.5
19.60	7.65	11.6	7.919851	0.379223	20.884	4.8
19.80	7.16	12.8	7.429518	0.346469	21.444	4.7
20.00	10.69	15.9	10.959912	0.320383	34.209	2.9
20.20	8.92	13.7	9.208248	0.254973	36.115	2.8
20.40	8.24	12.1	8.521783	0.202703	42.041	2.4
20.60	7.85	10.9	8.129517	0.24193	33.603	3.0
20.80	5.49	9.1	5.775921	0.052269	110.503	0.9
21.00	2.45	3.2	2.735859	0.05884	46.497	2.2
21.20	0.88	1.8	1.180328	0.06541	18.045	5.5
21.40	0.69	1.7	0.984195	0.06541	15.046	6.6
21.60	0.39	1.4	0.689996	0.045764	15.077	6.6
21.80	0.59	1.3	0.588399	0.039227	15.0	6.7
22.00	1.47	2.1	1.470998	0.019613	75.0	1.3
22.20	0.98	1.3	1.291928	0.026184	49.341	2.0
22.40	1.57	2.0	1.880327	0.091496	20.551	4.9
22.60	1.08	2.5	1.389995	0.085024	16.348	6.1
22.80	1.47	2.7	1.782261	0.111109	16.041	6.2
23.00	1.27	2.9	1.586128	0.06541	24.249	4.1
23.20	1.67	2.6	1.991927	0.11768	16.927	5.9
23.40	1.27	3.0	1.599661	0.05884	27.187	3.7
23.60	1.86	2.7	2.18806	0.111109	19.693	5.1
23.80	1.37	3.0	1.697727	0.11768	14.427	6.9
24.00	1.27	3.0	1.599661	0.078453	20.39	4.9
24.20	1.67	2.8	2.00546	0.281157	7.133	14.0
24.40	4.71	8.9	5.045521	0.137293	36.75	2.7
24.60	2.84	4.9	3.182258	0.568786	5.595	17.9

24.80	4.22	12.7	4.21686	0.522989	8.063	12.4
25.00	12.94	20.8	13.283108	0.516516	25.717	3.9
25.20	15.10	22.8	15.454104	0.137293	112.563	0.9
25.40	23.34	25.4	23.69169	0.660282	35.881	2.8
25.60	10.20	20.1	10.550779	0.111109	94.959	1.1
25.80	18.83	20.5	19.180631	0.254973	75.226	1.3
26.00	14.02	17.8	14.375372	0.41845	34.354	2.9
26.20	14.22	20.5	14.585038	0.2942	49.575	2.0
26.40	15.10	19.5	15.467637	0.339997	45.494	2.2
26.60	5.39	10.5	5.759053	0.130723	44.056	2.3
26.80	5.00	7.0	5.366787	0.091496	58.656	1.7
27.00	3.92	5.3	4.288056	0.366082	11.713	8.5
27.20	15.49	21.0	15.873436	0.53613	29.607	3.4
27.40	14.02	22.1	14.402439	0.228789	62.951	1.6
27.60	22.36	25.8	22.738091	0.23536	96.61	1.0
27.80	21.97	25.5	22.345825	0.261543	85.438	1.2
28.00	22.85	26.8	23.228424	0.621055	37.402	2.7
28.20	17.16	26.5	17.5541	0.503375	34.873	2.9
28.40	15.20	22.8	15.59277	0.627626	24.844	4.0
28.60	14.42	23.8	14.808238	0.379223	39.049	2.6
28.80	18.63	24.3	19.025097	0.431493	44.091	2.3
29.00	16.28	22.8	16.671501	0.35961	46.36	2.2
29.20	16.77	22.2	17.175367	0.411879	41.7	2.4
29.40	17.55	23.7	17.959899	0.346469	51.837	1.9
29.60	19.32	24.5	19.725096	0.366082	53.882	1.9
29.80	20.99	26.5	21.392227	0.411879	51.938	1.9
30.00	19.12	25.3	19.528963	0.451106	43.291	2.3
30.20	20.01	26.8	20.425095	0.529559	38.57	2.6
30.40	16.38	24.3	16.796634	0.379223	44.292	2.3
30.60	19.02	24.7	19.44443	0.346469	56.122	1.8
30.80	19.22	24.4	19.640563	0.2942	66.759	1.5
31.00	17.26	21.7	17.679233	0.307242	57.542	1.7
31.20	15.98	20.6	16.417901	0.268016	61.257	1.6
31.40	16.08	20.1	16.515968	0.11768	140.347	0.7
31.60	14.71	16.5	15.143037	0.339997	44.539	2.2
31.80	15.79	20.9	16.221768	0.444535	36.492	2.7
32.00	15.98	22.7	16.417901	0.411879	39.861	2.5
32.20	19.81	26.0	20.256028	0.248402	81.545	1.2
32.40	19.12	22.8	19.569563	0.385696	50.738	2.0
32.60	15.20	21.0	15.646903	0.320383	48.838	2.0
32.80	13.14	17.9	13.587506	0.353039	38.487	2.6
33.00	13.73	19.0	14.175905	0.353039	40.154	2.5
33.20	14.12	19.4	14.581704	0.379223	38.452	2.6
33.40	13.53	19.2	13.993305	0.35961	38.912	2.6
33.60	15.10	20.5	15.562369	0.353039	44.081	2.3
33.80	19.81	25.1	20.269561	0.2942	68.897	1.5
34.00	20.50	24.9	20.956027	0.228789	91.595	1.1
34.20	21.28	24.7	21.754092	0.457676	47.532	2.1
34.40	20.30	27.2	20.773427	0.281157	73.886	1.4
34.60	26.38	30.6	26.85355	0.248402	108.105	0.9
34.80	24.42	28.1	24.89222	0.379223	65.64	1.5
35.00	23.73	29.4	24.205755	0.307242	78.784	1.3
35.20	24.32	28.9	24.807687	0.222317	111.587	0.9
35.40	19.22	22.6	19.708229	0.254973	77.295	1.3
35.60	19.52	23.3	19.515234	0.372653	52.368	1.9
35.80	19.02	24.6	19.024901	0.326888	58.2	1.7
36.00	20.10	25.0	20.103633	0.343233	58.571	1.7

Probe CPT - Cone Penetration TEST 181
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 08/09/2020



TEST 182

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 08/09/2020

Profondità prova: 8.00 mt

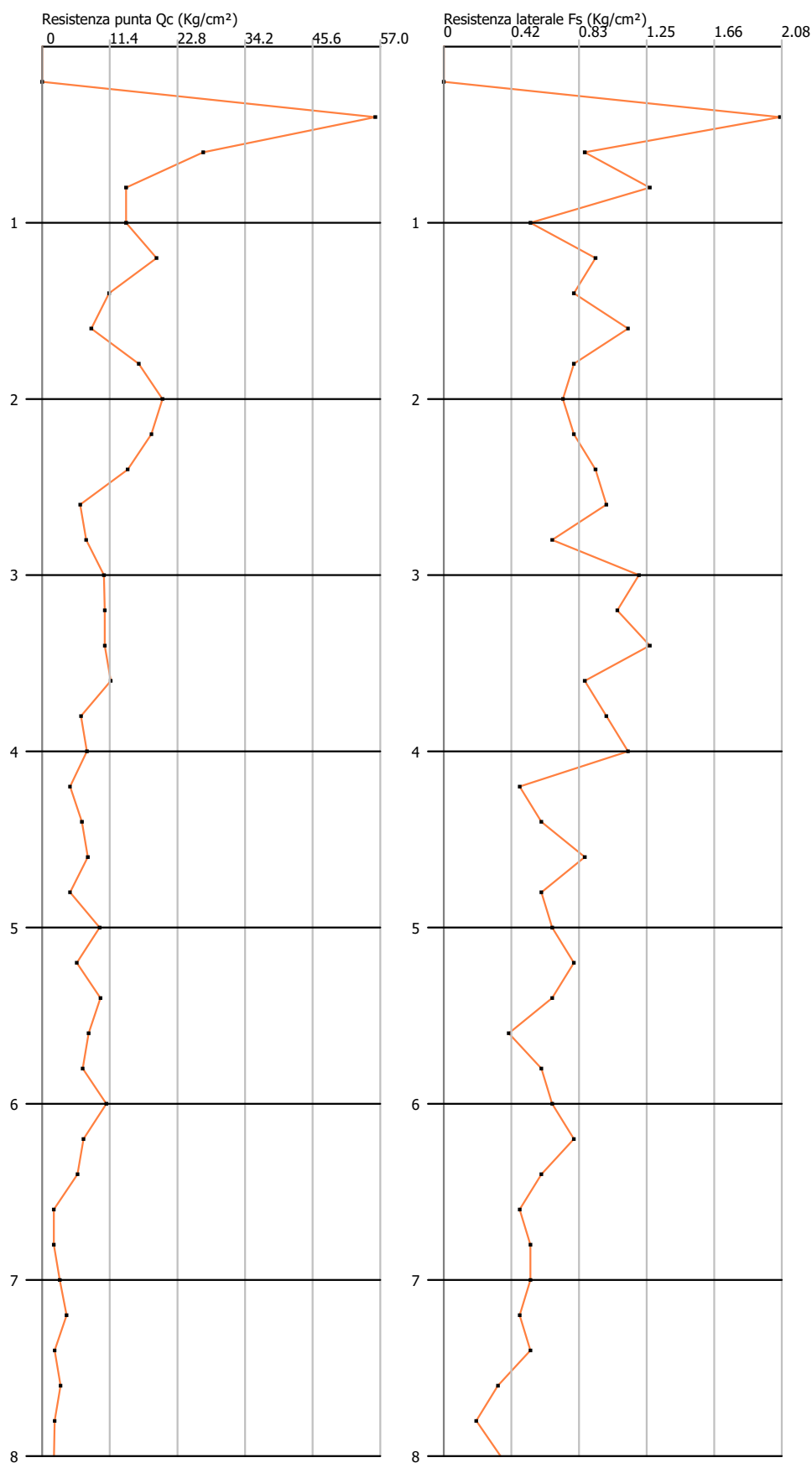
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.0	0.0		
0.40	5.49	8.8	5.505257	0.202703	27.159	3.7
0.60	2.65	5.7	2.661329	0.085024	31.301	3.2
0.80	1.37	2.6	1.386464	0.12425	11.159	9.0
1.00	1.37	3.2	1.386464	0.052269	26.525	3.8
1.20	1.86	2.6	1.89033	0.091496	20.66	4.8
1.40	1.08	2.5	1.105798	0.078453	14.095	7.1
1.60	0.78	2.0	0.811598	0.111109	7.305	13.7
1.80	1.57	3.2	1.59613	0.078453	20.345	4.9
2.00	1.96	3.1	1.988396	0.071883	27.662	3.6
2.20	1.77	2.8	1.805797	0.078453	23.018	4.3
2.40	1.37	2.5	1.413531	0.091496	15.449	6.5
2.60	0.59	2.0	0.628999	0.098067	6.414	15.6
2.80	0.69	2.2	0.727065	0.06541	11.115	9.0
3.00	0.98	2.0	1.021265	0.11768	8.678	11.5
3.20	0.98	2.7	1.034798	0.104637	9.889	10.1
3.40	0.98	2.5	1.034798	0.12425	8.328	12.0
3.60	1.08	2.9	1.132864	0.085024	13.324	7.5
3.80	0.59	1.9	0.642532	0.098067	6.552	15.3
4.00	0.69	2.2	0.740598	0.111109	6.665	15.0
4.20	0.39	2.1	0.459932	0.045797	10.043	10.0
4.40	0.59	1.3	0.656065	0.05884	11.15	9.0
4.60	0.69	1.6	0.754131	0.085024	8.87	11.3
4.80	0.39	1.7	0.459932	0.05884	7.817	12.8
5.00	0.88	1.8	0.950264	0.06541	14.528	6.9
5.20	0.49	1.5	0.571532	0.078453	7.285	13.7
5.40	0.88	2.1	0.963798	0.06541	14.735	6.8
5.60	0.69	1.7	0.767665	0.039227	19.57	5.1
5.80	0.59	1.2	0.669598	0.05884	11.38	8.8
6.00	0.98	1.9	1.061864	0.06541	16.234	6.2
6.20	0.59	1.6	0.683131	0.078453	8.708	11.5
6.40	0.49	1.7	0.585065	0.05884	9.943	10.1
6.60	0.10	1.0	0.192799	0.045797	4.21	23.8
6.80	0.10	0.8	0.192799	0.052269	3.689	27.1
7.00	0.20	1.0	0.290865	0.052269	5.565	18.0
7.20	0.29	1.1	0.402465	0.045797	8.788	11.4
7.40	0.10	0.8	0.206332	0.052269	3.947	25.3
7.60	0.20	1.0	0.304398	0.032656	9.321	10.7
7.80	0.10	0.6	0.206332	0.019613	10.52	9.5
8.00	0.20	0.5	0.196133	0.034323	5.714	17.5

Probe CPT - Cone Penetration TEST 182
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 08/09/2020



TEST183

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 08/09/2020

Profondità prova: 8.00 mt

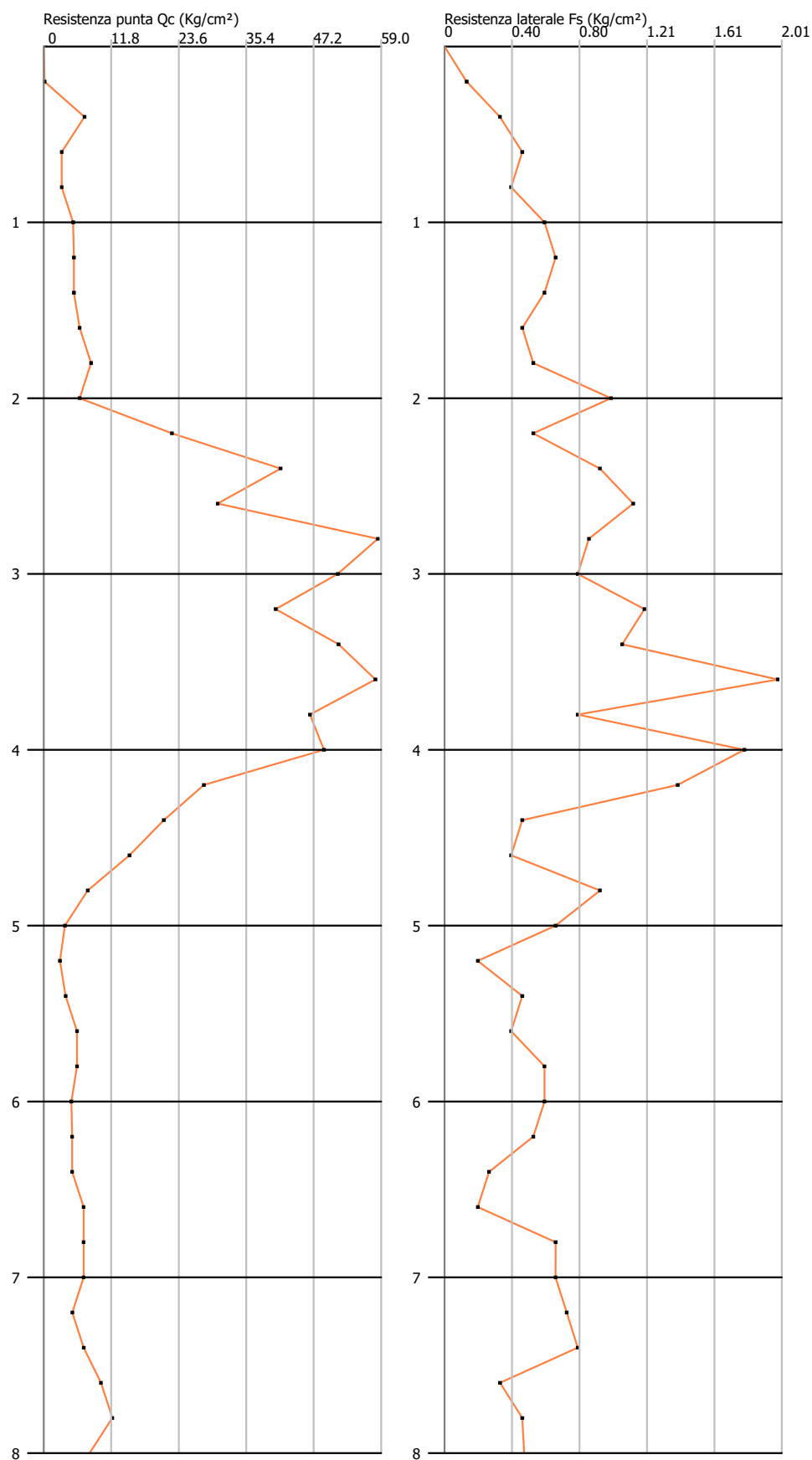
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.013533	0.013043	1.038	96.4
0.40	0.69	0.9	0.699999	0.032656	21.435	4.7
0.60	0.29	0.8	0.307733	0.045797	6.719	14.9
0.80	0.29	1.0	0.307733	0.039227	7.845	12.7
1.00	0.49	1.1	0.503866	0.05884	8.563	11.7
1.20	0.49	1.4	0.517399	0.06541	7.91	12.6
1.40	0.49	1.5	0.517399	0.05884	8.793	11.4
1.60	0.59	1.5	0.615465	0.045797	13.439	7.4
1.80	0.78	1.5	0.811598	0.052269	15.527	6.4
2.00	0.59	1.4	0.615465	0.098067	6.276	15.9
2.20	2.16	3.6	2.198063	0.052269	42.053	2.4
2.40	4.02	4.8	4.061326	0.091496	44.388	2.3
2.60	2.94	4.3	2.982595	0.111109	26.844	3.7
2.80	5.69	7.4	5.728457	0.085024	67.375	1.5
3.00	5.00	6.3	5.041991	0.078453	64.268	1.6
3.20	3.92	5.1	3.976793	0.11768	33.793	3.0
3.40	5.00	6.8	5.055524	0.104604	48.33	2.1
3.60	5.69	7.3	5.687857	0.196133	29.0	3.4
3.80	4.51	7.5	4.565192	0.078453	58.19	1.7
4.00	4.81	6.0	4.805259	0.17652	27.222	3.7
4.20	2.75	5.4	2.745862	0.137293	20.0	5.0
4.40	2.06	4.1	2.059397	0.045764	45.0	2.2
4.60	1.47	2.2	1.470998	0.039227	37.5	2.7
4.80	0.69	1.3	0.754131	0.091496	8.242	12.1
5.00	0.29	1.7	0.361865	0.06541	5.532	18.1
5.20	0.20	1.2	0.277332	0.019613	14.14	7.1
5.40	0.29	0.6	0.375399	0.045797	8.197	12.2
5.60	0.49	1.2	0.571532	0.039227	14.57	6.9
5.80	0.49	1.1	0.571532	0.05884	9.713	10.3
6.00	0.39	1.3	0.473465	0.05884	8.047	12.4
6.20	0.39	1.3	0.486998	0.052269	9.317	10.7
6.40	0.39	1.2	0.486998	0.026184	18.599	5.4
6.60	0.59	1.0	0.683131	0.019613	34.83	2.9
6.80	0.59	0.9	0.683131	0.06541	10.444	9.6
7.00	0.59	1.6	0.683131	0.065378	10.449	9.6
7.20	0.49	1.5	0.490333	0.071915	6.818	14.7
7.40	0.69	1.8	0.686466	0.078453	8.75	11.4
7.60	0.98	2.2	0.980665	0.032689	30.0	3.3
7.80	1.18	1.7	1.176798	0.045764	25.714	3.9
8.00	0.78	1.5	0.784532	0.046895	16.729	6.0

Probe CPT - Cone Penetration TEST183
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 08/09/2020



TEST 184

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 08/09/2020

Profondità prova: 9.00 mt

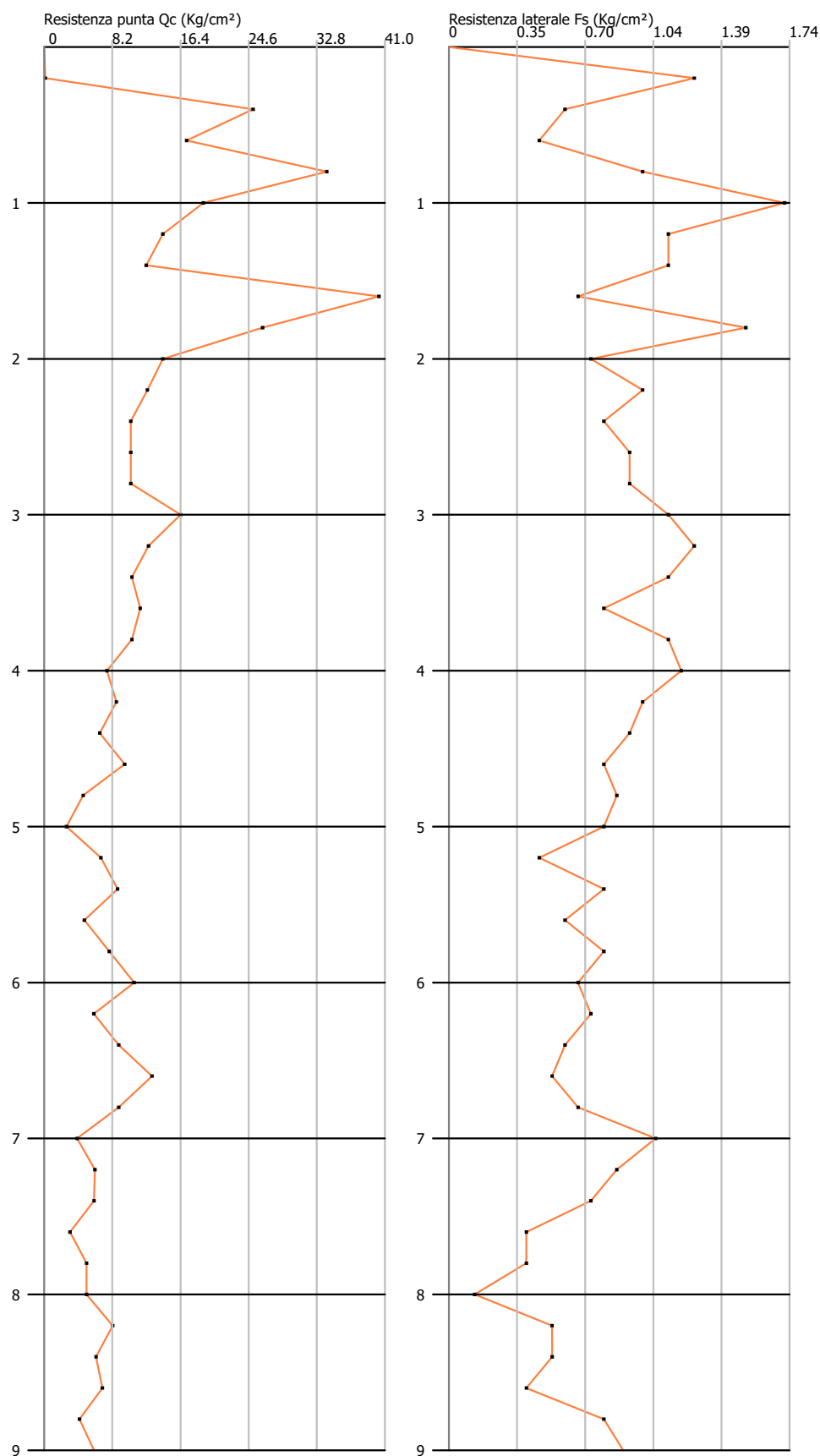
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.013533	0.12425	0.109	918.1
0.40	2.45	4.3	2.465196	0.05884	41.897	2.4
0.60	1.67	2.5	1.680664	0.045764	36.724	2.7
0.80	3.33	4.0	3.334261	0.098067	34.0	2.9
1.00	1.86	3.3	1.876797	0.169949	11.043	9.1
1.20	1.37	3.9	1.399997	0.111109	12.6	7.9
1.40	1.18	2.8	1.203864	0.111109	10.835	9.2
1.60	3.92	5.6	3.949726	0.06541	60.384	1.7
1.80	2.55	3.5	2.576795	0.150336	17.14	5.8
2.00	1.37	3.6	1.399997	0.071883	19.476	5.1
2.20	1.18	2.3	1.217398	0.098067	12.414	8.1
2.40	0.98	2.5	1.021265	0.078453	13.018	7.7
2.60	0.98	2.2	1.021265	0.091496	11.162	9.0
2.80	0.98	2.4	1.021265	0.091496	11.162	9.0
3.00	1.57	2.9	1.609664	0.111109	14.487	6.9
3.20	1.18	2.8	1.230931	0.12425	9.907	10.1
3.40	0.98	2.8	1.034798	0.111109	9.313	10.7
3.60	1.08	2.7	1.132864	0.078453	14.44	6.9
3.80	0.98	2.2	1.034798	0.111109	9.313	10.7
4.00	0.69	2.4	0.740598	0.11768	6.293	15.9
4.20	0.78	2.5	0.852198	0.098067	8.69	11.5
4.40	0.59	2.1	0.656065	0.091496	7.17	13.9
4.60	0.88	2.3	0.950264	0.078453	12.113	8.3
4.80	0.39	1.6	0.459932	0.085024	5.409	18.5
5.00	0.20	1.5	0.263799	0.078453	3.363	29.7
5.20	0.59	1.8	0.669598	0.045797	14.621	6.8
5.40	0.78	1.5	0.865731	0.078453	11.035	9.1
5.60	0.39	1.6	0.473465	0.05884	8.047	12.4
5.80	0.69	1.6	0.767665	0.078453	9.785	10.2
6.00	0.98	2.2	1.061864	0.06541	16.234	6.2
6.20	0.49	1.5	0.585065	0.071883	8.139	12.3
6.40	0.78	1.9	0.879264	0.05884	14.943	6.7
6.60	1.18	2.1	1.27153	0.052269	24.326	4.1
6.80	0.78	1.6	0.879264	0.06541	13.442	7.4
7.00	0.29	1.3	0.388932	0.104637	3.717	26.9
7.20	0.49	2.1	0.598598	0.084991	7.043	14.2
7.40	0.59	1.9	0.588399	0.071883	8.186	12.2
7.60	0.20	1.3	0.304398	0.039227	7.76	12.9
7.80	0.39	1.0	0.500531	0.039227	12.76	7.8
8.00	0.39	1.0	0.500531	0.013043	38.376	2.6
8.20	0.69	0.9	0.808264	0.052269	15.463	6.5
8.40	0.49	1.3	0.612131	0.052302	11.704	8.5
8.60	0.69	1.5	0.686466	0.039227	17.5	5.7
8.80	0.29	0.9	0.415998	0.078453	5.303	18.9
9.00	0.59	1.8	0.588399	0.08826	6.667	15.0

Probe CPT - Cone Penetration TEST 184
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 08/09/2020



TEST 185

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 09/09/2020

Profondità prova: 8.00 mt

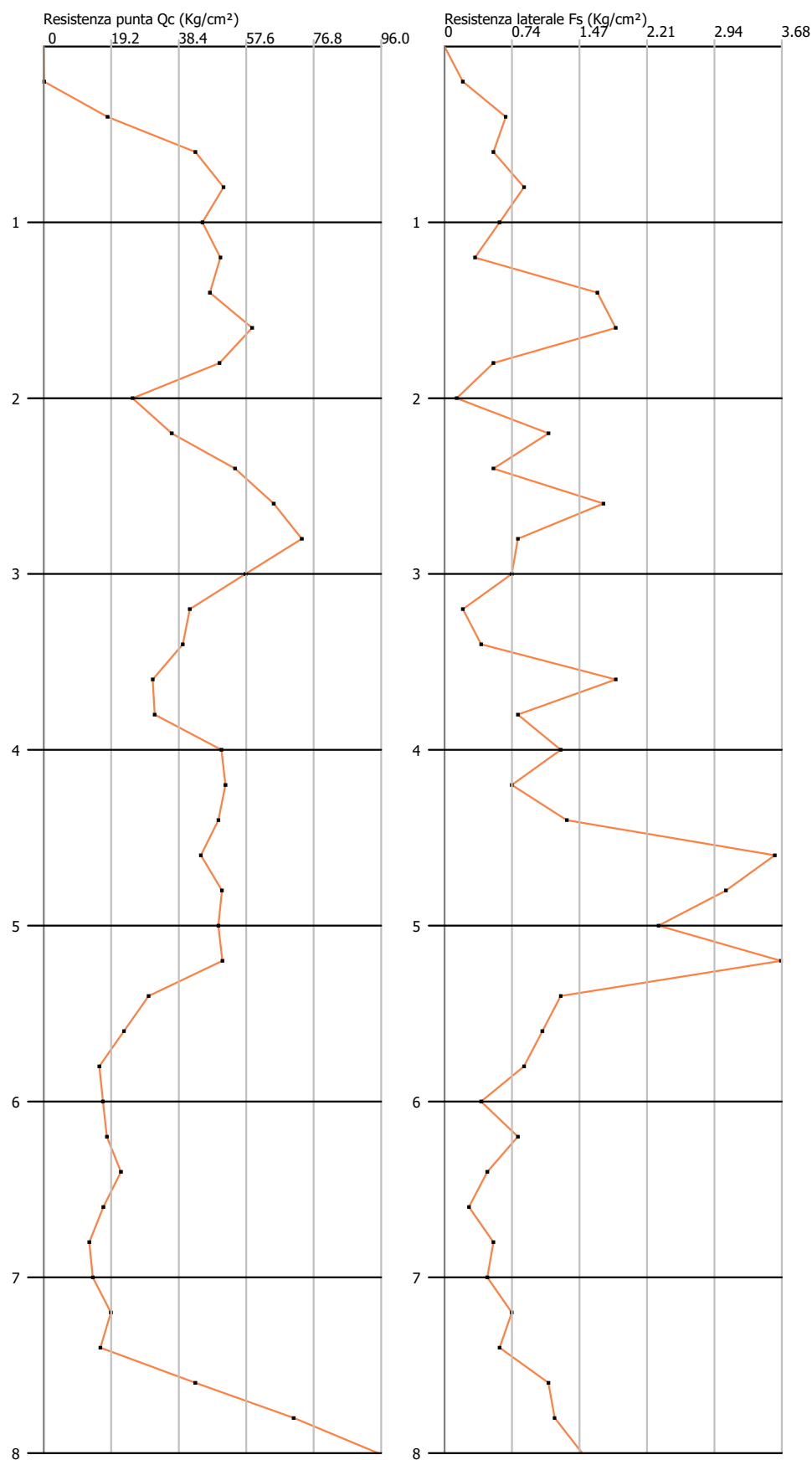
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.013533	0.019613	0.69	144.9
0.40	1.77	2.1	1.77873	0.06541	27.193	3.7
0.60	4.22	5.2	4.230393	0.052269	80.934	1.2
0.80	5.00	5.8	5.014925	0.085024	58.983	1.7
1.00	4.41	5.7	4.426526	0.05884	75.23	1.3
1.20	4.90	5.8	4.930391	0.032656	150.979	0.7
1.40	4.61	5.1	4.636192	0.163477	28.36	3.5
1.60	5.79	8.2	5.81299	0.183058	31.755	3.1
1.80	4.90	7.6	4.903325	0.052269	93.809	1.1
2.00	2.45	3.2	2.478729	0.013043	190.045	0.5
2.20	3.53	3.7	3.570994	0.111109	32.139	3.1
2.40	5.30	7.0	5.336191	0.052269	102.09	1.0
2.60	6.37	7.2	6.414922	0.169949	37.746	2.6
2.80	7.16	9.7	7.199454	0.078453	91.768	1.1
3.00	5.59	6.8	5.63039	0.071883	78.327	1.3
3.20	4.02	5.1	4.074859	0.019613	207.76	0.5
3.40	3.82	4.1	3.878726	0.039227	98.88	1.0
3.60	3.04	3.6	3.040062	0.18309	16.604	6.0
3.80	3.04	5.8	3.094194	0.078453	39.44	2.5
4.00	4.90	6.1	4.957458	0.12425	39.899	2.5
4.20	5.00	6.9	5.069057	0.071883	70.518	1.4
4.40	4.81	5.9	4.872924	0.130723	37.277	2.7
4.60	4.31	6.3	4.382592	0.353039	12.414	8.1
4.80	4.90	10.2	4.970991	0.30077	16.528	6.1
5.00	4.81	9.3	4.872924	0.228789	21.299	4.7
5.20	4.90	8.3	4.984524	0.35961	13.861	7.2
5.40	2.84	8.2	2.925128	0.12425	23.542	4.2
5.60	2.16	4.0	2.238662	0.104637	21.395	4.7
5.80	1.47	3.0	1.552197	0.085024	18.256	5.5
6.00	1.57	2.8	1.650263	0.039227	42.07	2.4
6.20	1.67	2.3	1.761863	0.078453	22.458	4.5
6.40	2.06	3.2	2.154129	0.045797	47.036	2.1
6.60	1.57	2.3	1.663796	0.026184	63.543	1.6
6.80	1.18	1.6	1.27153	0.052269	24.326	4.1
7.00	1.27	2.1	1.369597	0.045797	29.906	3.3
7.20	1.77	2.5	1.873462	0.071883	26.063	3.8
7.40	1.47	2.5	1.579263	0.05884	26.84	3.7
7.60	4.12	5.0	4.227058	0.111109	38.044	2.6
7.80	6.86	8.5	6.972921	0.11768	59.253	1.7
8.00	9.22	11.0	9.326517	0.1471	63.403	1.6

Probe CPT - Cone Penetration TEST 185
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 09/09/2020



TEST 186

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 09/09/2020

Profondità prova: 9.00 mt

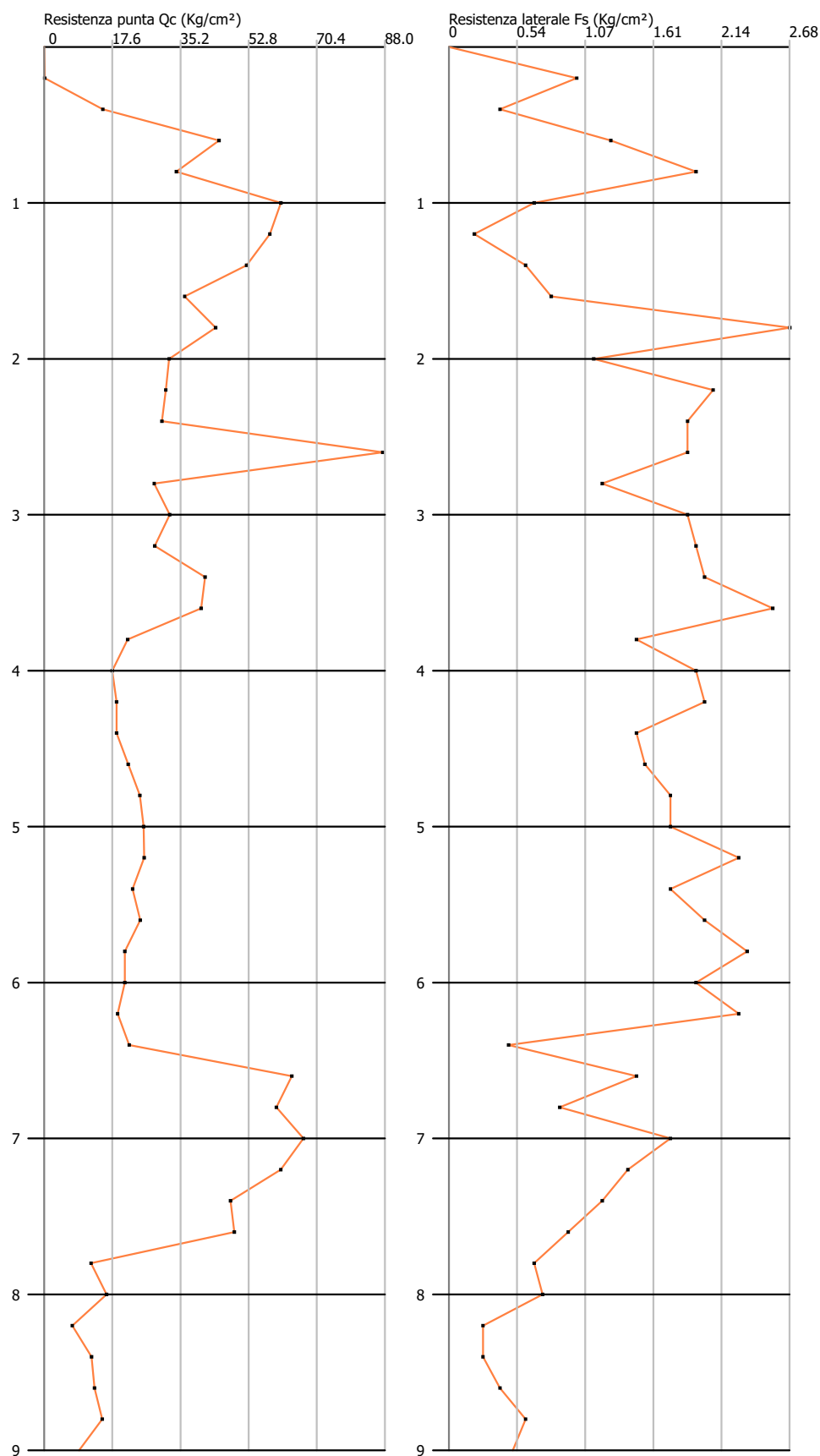
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.013533	0.098067	0.138	724.6
0.40	1.47	2.9	1.484531	0.039227	37.845	2.6
0.60	4.41	5.0	4.426526	0.12425	35.626	2.8
0.80	3.33	5.2	3.347794	0.189563	17.661	5.7
1.00	5.98	8.8	5.99559	0.06541	91.661	1.1
1.20	5.69	6.7	5.714923	0.019613	291.38	0.3
1.40	5.10	5.4	5.126524	0.05884	87.127	1.1
1.60	3.53	4.4	3.55746	0.078453	45.345	2.2
1.80	4.31	5.5	4.341992	0.261543	16.601	6.0
2.00	3.14	7.1	3.165194	0.111109	28.487	3.5
2.20	3.04	4.7	3.080661	0.202703	15.198	6.6
2.40	2.94	6.0	2.982595	0.18309	16.29	6.1
2.60	8.53	11.3	8.572385	0.18309	46.821	2.1
2.80	2.75	5.5	2.786462	0.11768	23.678	4.2
3.00	3.14	4.9	3.178728	0.18309	17.362	5.8
3.20	2.75	5.5	2.799995	0.189563	14.771	6.8
3.40	4.02	6.9	4.074859	0.196133	20.776	4.8
3.60	3.92	6.9	3.976793	0.248402	16.009	6.2
3.80	2.06	5.8	2.113529	0.143864	14.691	6.8
4.00	1.67	3.8	1.721263	0.189563	9.08	11.0
4.20	1.77	4.6	1.832863	0.196133	9.345	10.7
4.40	1.77	4.7	1.832863	0.143864	12.74	7.8
4.60	2.06	4.2	2.127062	0.150336	14.149	7.1
4.80	2.35	4.6	2.421262	0.169949	14.247	7.0
5.00	2.45	5.0	2.519328	0.169949	14.824	6.7
5.20	2.45	5.0	2.532862	0.222317	11.393	8.8
5.40	2.16	5.5	2.238662	0.169949	13.173	7.6
5.60	2.35	4.9	2.434795	0.196133	12.414	8.1
5.80	1.96	4.9	2.042529	0.228789	8.928	11.2
6.00	1.96	5.4	2.042529	0.189563	10.775	9.3
6.20	1.77	4.6	1.859929	0.222317	8.366	12.0
6.40	2.06	5.4	2.154129	0.045797	47.036	2.1
6.60	6.18	6.9	6.272922	0.143864	43.603	2.3
6.80	5.79	7.9	5.880656	0.085024	69.165	1.4
7.00	6.47	7.7	6.567121	0.169949	38.642	2.6
7.20	5.88	8.4	5.992255	0.137293	43.646	2.3
7.40	4.61	6.7	4.717391	0.11768	40.087	2.5
7.60	4.71	6.5	4.815457	0.091496	52.63	1.9
7.80	1.08	2.5	1.186997	0.06541	18.147	5.5
8.00	1.47	2.5	1.579263	0.071883	21.97	4.6
8.20	0.59	1.7	0.710198	0.026184	27.124	3.7
8.40	1.08	1.5	1.20053	0.026151	45.907	2.2
8.60	1.27	1.7	1.274865	0.039227	32.5	3.1
8.80	1.47	2.1	1.470998	0.05884	25.0	4.0
9.00	0.88	1.8	0.882599	0.049033	18.0	5.6

Probe CPT - Cone Penetration TEST 186
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 09/09/2020



TEST 187

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 09/09/2020

Profondità prova: 32.60 mt

Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.0	0.0		
0.40	1.47	2.1	1.484531	0.019613	75.69	1.3
0.60	3.33	3.6	3.347794	0.18309	18.285	5.5
0.80	4.90	7.6	4.916858	0.013043	376.977	0.3
1.00	3.92	4.1	3.936193	0.11768	33.448	3.0
1.20	1.96	3.7	1.988396	0.052269	38.041	2.6
1.40	2.65	3.4	2.674862	0.091496	29.235	3.4
1.60	1.57	2.9	1.59613	0.05884	27.127	3.7
1.80	2.26	3.1	2.282596	0.06541	34.897	2.9
2.00	0.78	1.8	0.811598	0.071883	11.291	8.9
2.20	0.98	2.1	1.021265	0.052269	19.538	5.1
2.40	2.35	3.1	2.394196	0.137293	17.439	5.7
2.60	4.22	6.3	4.257459	0.143864	29.594	3.4
2.80	3.14	5.3	3.178728	0.228789	13.894	7.2
3.00	5.10	8.5	5.140058	0.111109	46.261	2.2
3.20	3.14	4.8	3.192261	0.137293	23.251	4.3
3.40	2.84	4.9	2.898061	0.098067	29.552	3.4
3.60	3.43	4.9	3.48646	0.137293	25.394	3.9
3.80	4.02	6.1	4.074859	0.23536	17.313	5.8
4.00	2.55	6.1	2.603862	0.150336	17.32	5.8
4.20	4.22	6.5	4.284525	0.013043	328.496	0.3
4.40	3.82	4.0	3.892259	0.032656	119.189	0.8
4.60	3.14	3.6	3.205794	0.104637	30.637	3.3
4.80	4.41	6.0	4.480658	0.091496	48.971	2.0
5.00	4.31	5.7	4.382592	0.091496	47.899	2.1
5.20	3.53	4.9	3.611593	0.071883	50.243	2.0
5.40	2.16	3.2	2.238662	0.137293	16.306	6.1
5.60	2.65	4.7	2.728995	0.12425	21.964	4.6
5.80	4.12	6.0	4.199992	0.143864	29.194	3.4
6.00	4.41	6.6	4.494192	0.12425	36.17	2.8
6.20	4.51	6.4	4.605791	0.104637	44.017	2.3
6.40	5.69	7.3	5.782589	0.11768	49.138	2.0
6.60	6.47	8.2	6.567121	0.078453	83.708	1.2
6.80	1.37	2.5	1.467663	0.137293	10.69	9.4
7.00	0.39	2.5	0.486998	0.05884	8.277	12.1
7.20	0.20	1.1	0.304398	0.06541	4.654	21.5
7.40	2.84	3.8	2.952194	0.05884	50.173	2.0
7.60	3.33	4.2	3.442526	0.104637	32.9	3.0
7.80	2.84	4.4	2.952194	0.071883	41.07	2.4
8.00	3.82	4.9	3.932859	0.071883	54.712	1.8
8.20	3.43	4.5	3.554126	0.085024	41.802	2.4
8.40	1.67	2.9	1.788929	0.104637	17.097	5.8
8.60	2.65	4.2	2.769594	0.104637	26.469	3.8
8.80	2.45	4.0	2.573461	0.169949	15.143	6.6
9.00	4.61	7.2	4.730924	0.11768	40.202	2.5
9.20	4.22	6.0	4.352191	0.013043	333.684	0.3
9.40	4.02	4.2	4.156058	0.05884	70.633	1.4
9.60	4.81	5.7	4.94059	0.06541	75.532	1.3
9.80	2.16	3.1	2.292795	0.085024	26.967	3.7
10.00	1.57	2.8	1.704396	0.085024	20.046	5.0
10.20	2.45	3.7	2.600527	0.137293	18.941	5.3
10.40	3.14	5.2	3.286993	0.05884	55.863	1.8
10.60	5.39	6.3	5.542523	0.137293	40.37	2.5
10.80	3.14	5.2	3.286993	0.05884	55.863	1.8
11.00	4.51	5.4	4.659924	0.045797	101.752	1.0
11.20	3.53	4.2	3.692792	0.071883	51.372	1.9
11.40	4.61	5.7	4.771524	0.045797	104.188	1.0

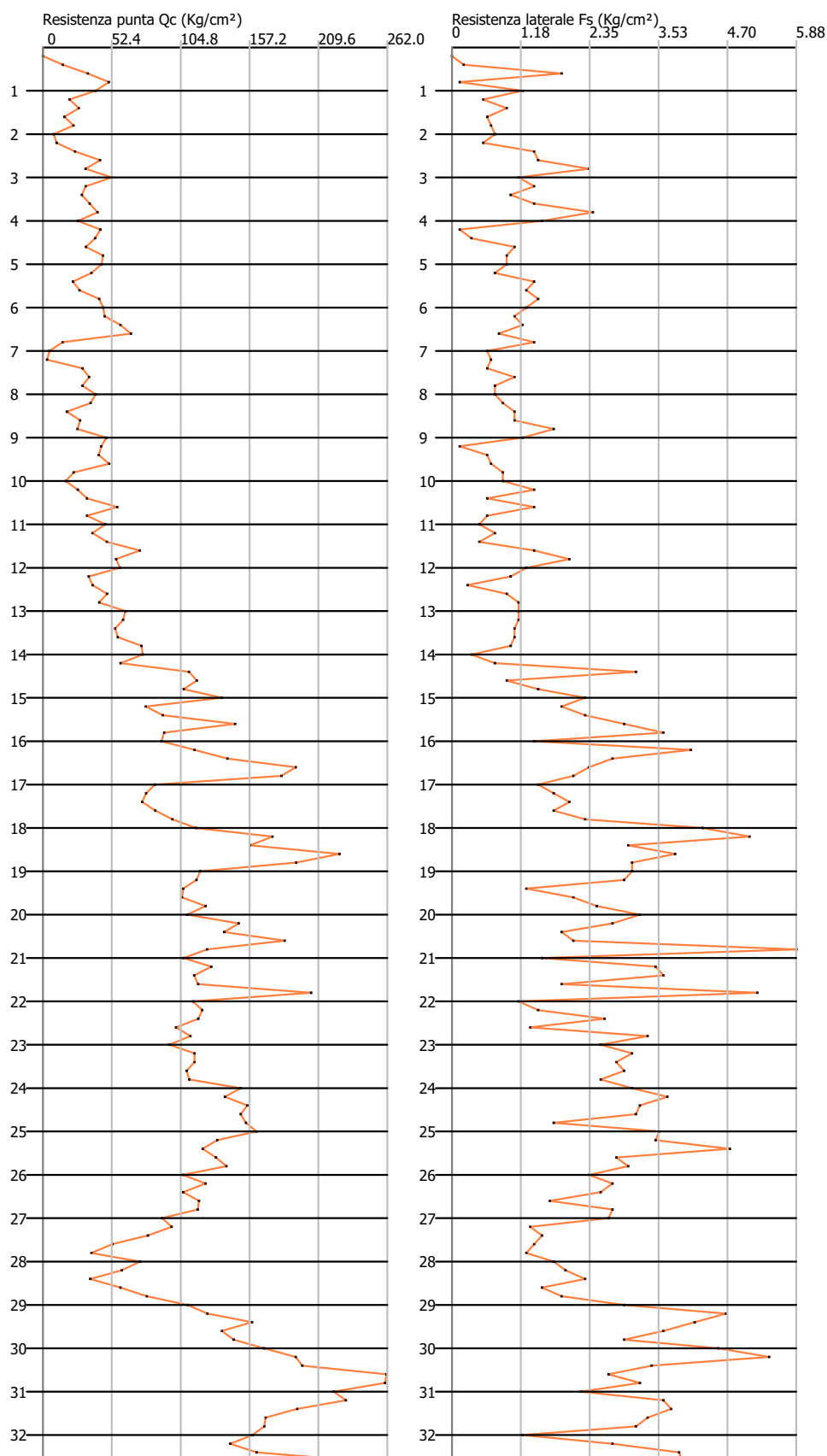
11.60	7.06	7.7	7.223186	0.137293	52.611	1.9
11.80	5.30	7.4	5.457989	0.196133	27.828	3.6
12.00	5.59	8.5	5.752189	0.12425	46.295	2.2
12.20	3.24	5.1	3.412126	0.098067	34.794	2.9
12.40	3.53	5.0	3.706325	0.026184	141.551	0.7
12.60	4.61	5.0	4.785057	0.091496	52.298	1.9
12.80	4.02	5.4	4.196658	0.111109	37.771	2.6
13.00	5.98	7.6	6.157988	0.111109	55.423	1.8
13.20	5.79	7.5	5.975388	0.111109	53.779	1.9
13.40	5.20	6.9	5.386989	0.104637	51.483	1.9
13.60	5.39	7.0	5.583122	0.104637	53.357	1.9
13.80	7.16	8.7	7.348319	0.098067	74.932	1.3
14.00	7.45	8.9	7.453054	0.032656	228.228	0.4
14.20	5.59	6.1	5.792788	0.071883	80.587	1.2
14.40	10.69	11.8	10.892246	0.307242	35.452	2.8
14.60	11.28	15.9	11.480645	0.091496	125.477	0.8
14.80	10.30	11.7	10.49998	0.143864	72.986	1.4
15.00	13.14	15.3	13.343909	0.222317	60.022	1.7
15.20	7.45	10.8	7.669585	0.18309	41.89	2.4
15.40	8.73	11.5	8.944449	0.222317	40.233	2.5
15.60	14.12	17.5	14.338107	0.287629	49.849	2.0
15.80	8.83	13.1	9.042516	0.353039	25.613	3.9
16.00	8.63	13.9	8.846383	0.137293	64.434	1.6
16.20	11.08	13.1	11.311579	0.398836	28.361	3.5
16.40	13.53	19.5	13.763241	0.268016	51.352	1.9
16.60	18.63	22.7	18.862699	0.228789	82.446	1.2
16.80	17.55	21.0	17.783968	0.202703	87.734	1.1
17.00	8.14	11.2	8.369584	0.143864	58.177	1.7
17.20	7.45	9.6	7.696651	0.169949	45.288	2.2
17.40	7.16	9.7	7.402452	0.196133	37.742	2.6
17.60	8.14	11.1	8.383117	0.169949	49.327	2.0
17.80	9.41	12.0	9.657981	0.222317	43.442	2.3
18.00	11.18	14.5	11.423178	0.41845	27.299	3.7
18.20	16.87	23.1	17.124569	0.496903	34.463	2.9
18.40	15.20	22.7	15.457438	0.2942	52.541	1.9
18.60	21.87	26.3	22.12596	0.372653	59.374	1.7
18.80	18.63	24.2	18.889766	0.30077	62.805	1.6
19.00	11.47	16.0	11.730911	0.30077	39.003	2.6
19.20	11.18	15.7	11.450245	0.287629	39.809	2.5
19.40	10.20	14.5	10.46958	0.12425	84.262	1.2
19.60	10.10	12.0	10.371513	0.202703	51.166	2.0
19.80	11.87	14.9	12.13671	0.24193	50.166	2.0
20.00	10.49	14.1	10.763779	0.313813	34.3	2.9
20.20	14.32	19.0	14.601906	0.268016	54.482	1.8
20.40	13.24	17.3	13.523174	0.18309	73.861	1.4
20.60	17.75	20.5	18.034233	0.202703	88.969	1.1
20.80	11.96	15.0	12.24831	0.575356	21.288	4.7
21.00	10.20	18.8	10.483113	0.150336	69.731	1.4
21.20	12.26	14.5	12.556043	0.339997	36.93	2.7
21.40	10.98	16.1	11.281178	0.353039	31.954	3.1
21.60	11.28	16.6	11.575378	0.18309	63.222	1.6
21.80	19.71	22.5	20.009097	0.509946	39.238	2.5
22.00	10.89	18.5	11.183112	0.111109	100.65	1.0
22.20	11.57	13.2	11.88311	0.143864	82.6	1.2
22.40	11.28	13.4	11.588911	0.254973	45.452	2.2
22.60	9.61	13.4	9.92178	0.130723	75.899	1.3
22.80	10.69	12.7	11.000512	0.326856	33.656	3.0
23.00	9.12	14.0	9.431448	0.248402	37.968	2.6
23.20	10.98	14.7	11.308244	0.30077	37.598	2.7
23.40	10.98	15.5	11.308244	0.274586	41.183	2.4
23.60	10.40	14.5	10.719845	0.287629	37.27	2.7
23.80	10.59	14.9	10.915978	0.248402	43.945	2.3
24.00	14.42	18.1	14.740572	0.30077	49.009	2.0
24.20	13.24	17.8	13.577307	0.35961	37.756	2.6
24.40	14.91	20.3	15.244438	0.313813	48.578	2.1
24.60	14.42	19.1	14.754105	0.307242	48.021	2.1

24.80	14.81	19.4	15.146371	0.169949	89.123	1.1
25.00	15.59	18.1	15.930903	0.346469	45.981	2.2
25.20	12.65	17.8	13.002441	0.339997	38.243	2.6
25.40	11.57	16.7	11.92371	0.464149	25.689	3.9
25.60	12.55	19.5	12.904375	0.274586	46.996	2.1
25.80	13.34	17.5	13.688907	0.2942	46.529	2.1
26.00	10.10	14.5	10.452712	0.228789	45.687	2.2
26.20	11.77	15.2	12.133376	0.268016	45.271	2.2
26.40	10.10	14.1	10.466245	0.248402	42.134	2.4
26.60	11.28	15.0	11.643043	0.163477	71.221	1.4
26.80	11.18	13.6	11.544977	0.268016	43.076	2.3
27.00	8.53	12.6	8.897181	0.261543	34.018	2.9
27.20	9.22	13.1	9.59718	0.130723	73.416	1.4
27.40	7.45	9.4	7.831983	0.150336	52.097	1.9
27.60	4.81	7.1	5.184188	0.137293	37.76	2.6
27.80	3.24	5.3	3.615124	0.12425	29.096	3.4
28.00	6.86	8.7	7.243584	0.169949	42.622	2.3
28.20	5.49	8.0	5.884186	0.189563	31.041	3.2
28.40	3.14	6.0	3.53059	0.222317	15.881	6.3
28.60	5.39	8.7	5.78612	0.150336	38.488	2.6
28.80	7.35	9.6	7.74745	0.18309	42.315	2.4
29.00	10.40	13.1	10.787511	0.287629	37.505	2.7
29.20	11.87	16.2	12.272042	0.457676	26.814	3.7
29.40	15.20	22.1	15.606303	0.405309	38.505	2.6
29.60	12.94	19.0	13.350773	0.353039	37.817	2.6
29.80	13.83	19.1	14.233372	0.287629	49.485	2.0
30.00	16.08	20.4	16.488902	0.444535	37.092	2.7
30.20	18.44	25.1	18.856031	0.529559	35.607	2.8
30.40	18.93	26.9	19.346363	0.333426	58.023	1.7
30.60	25.20	30.2	25.622619	0.261543	97.967	1.0
30.80	25.11	29.0	25.524553	0.313813	81.337	1.2
31.00	21.28	26.0	21.699959	0.215746	100.581	1.0
31.20	22.16	25.4	22.596091	0.353039	64.004	1.6
31.40	18.53	23.8	18.96763	0.366082	51.812	1.9
31.60	16.18	21.7	16.614034	0.326856	50.83	2.0
31.80	16.08	21.0	16.515968	0.307242	53.756	1.9
32.00	15.20	19.8	15.633369	0.11768	132.847	0.8
32.20	13.53	15.3	13.979772	0.268016	52.16	1.9
32.40	15.49	19.5	15.941102	0.379223	42.036	2.4
32.60	23.24	28.9	23.688356	0.383945	61.697	1.6

Probe CPT - Cone Penetration TEST 187
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 09/09/2020



TEST 188

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 09/09/2020

Profondità prova: 8.00 mt

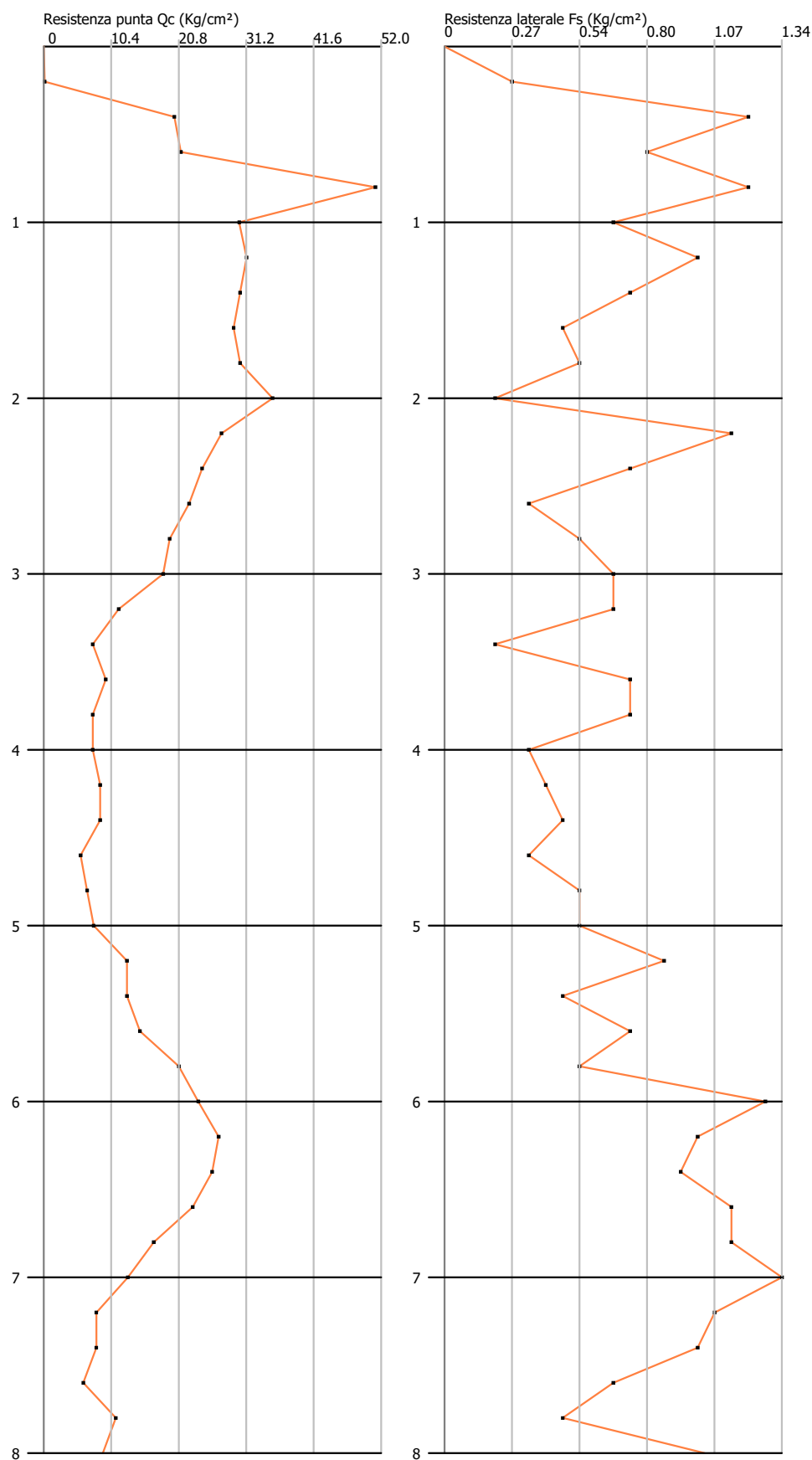
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.013533	0.026184	0.517	193.5
0.40	1.96	2.4	1.974863	0.11768	16.782	6.0
0.60	2.06	3.8	2.07293	0.078453	26.423	3.8
0.80	5.00	6.2	5.014925	0.11768	42.615	2.3
1.00	2.94	4.7	2.955528	0.06541	45.184	2.2
1.20	3.04	4.0	3.067128	0.098067	31.276	3.2
1.40	2.94	4.4	2.969061	0.071883	41.304	2.4
1.60	2.84	3.9	2.870995	0.045797	62.69	1.6
1.80	2.94	3.6	2.969061	0.052269	56.803	1.8
2.00	3.43	4.2	3.459394	0.019613	176.38	0.6
2.20	2.65	2.9	2.688395	0.111109	24.196	4.1
2.40	2.35	4.0	2.394196	0.071883	33.307	3.0
2.60	2.16	3.2	2.198063	0.032656	67.309	1.5
2.80	1.86	2.4	1.903863	0.052269	36.424	2.7
3.00	1.77	2.5	1.805797	0.06541	27.607	3.6
3.20	1.08	2.1	1.132864	0.06541	17.319	5.8
3.40	0.69	1.7	0.740598	0.019613	37.76	2.6
3.60	0.88	1.2	0.936731	0.071883	13.031	7.7
3.80	0.69	1.8	0.740598	0.071883	10.303	9.7
4.00	0.69	1.8	0.740598	0.032656	22.679	4.4
4.20	0.78	1.3	0.852198	0.039227	21.725	4.6
4.40	0.78	1.4	0.852198	0.045797	18.608	5.4
4.60	0.49	1.2	0.557998	0.032656	17.087	5.9
4.80	0.59	1.1	0.656065	0.052269	12.552	8.0
5.00	0.69	1.5	0.754131	0.052269	14.428	6.9
5.20	1.18	2.0	1.257997	0.085024	14.796	6.8
5.40	1.18	2.5	1.257997	0.045797	27.469	3.6
5.60	1.37	2.1	1.45413	0.071883	20.229	4.9
5.80	1.96	3.0	2.042529	0.052269	39.077	2.6
6.00	2.26	3.0	2.336729	0.12425	18.807	5.3
6.20	2.55	4.4	2.644461	0.098067	26.966	3.7
6.40	2.45	3.9	2.546395	0.091496	27.831	3.6
6.60	2.16	3.5	2.252195	0.111109	20.27	4.9
6.80	1.57	3.2	1.663796	0.111109	14.974	6.7
7.00	1.18	2.8	1.27153	0.130723	9.727	10.3
7.20	0.69	2.6	0.794731	0.104637	7.595	13.2
7.40	0.69	2.3	0.794731	0.098067	8.104	12.3
7.60	0.49	2.0	0.598598	0.06541	9.151	10.9
7.80	0.98	2.0	1.08893	0.045797	23.777	4.2
8.00	0.78	1.5	0.892797	0.100714	8.865	11.3

Probe CPT - Cone Penetration TEST 188
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 09/09/2020



TEST 190

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 10/09/2020

Profondità prova: 10.00 mt

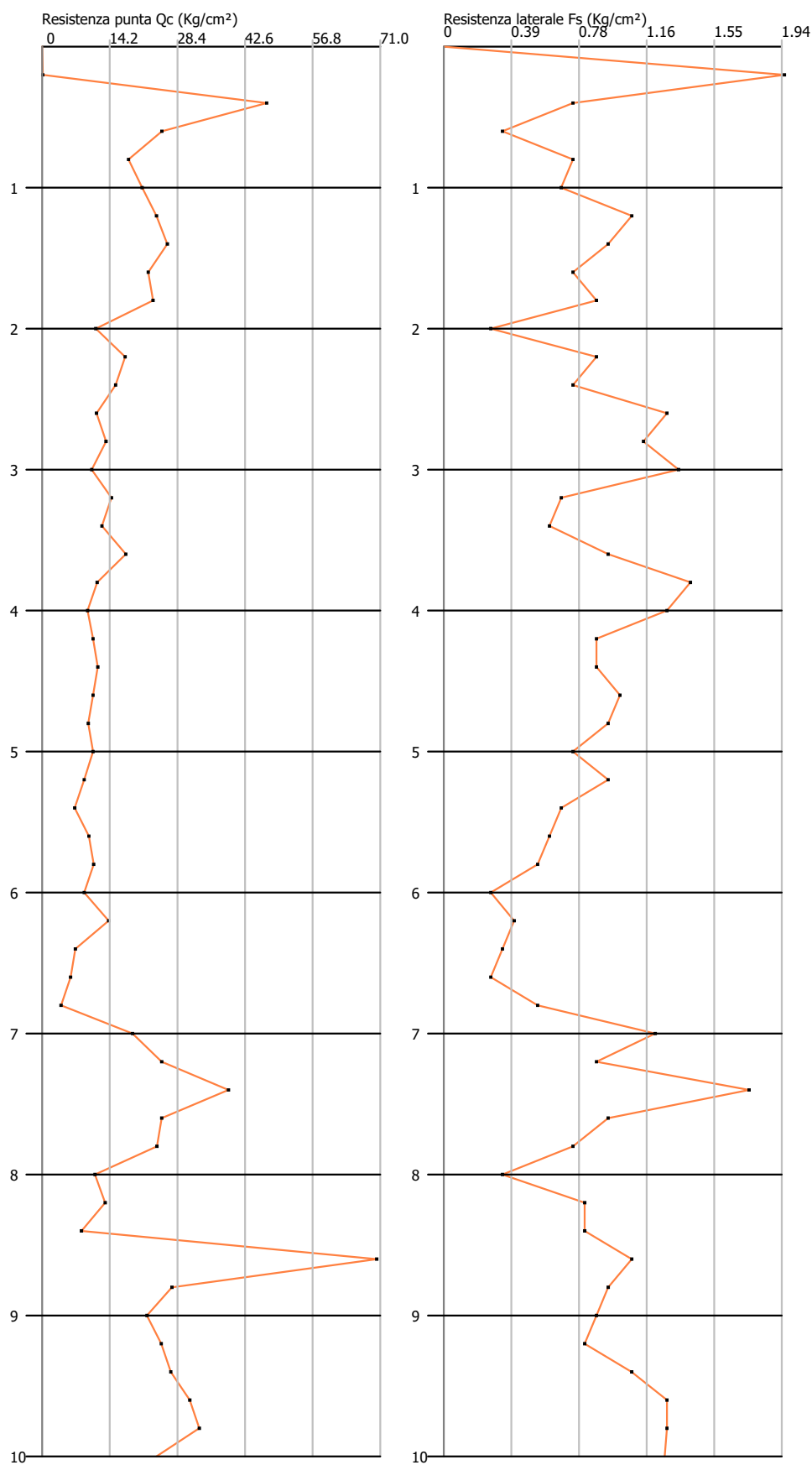
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.013533	0.189563	0.071	1400.7
0.40	4.61	7.5	4.622659	0.071883	64.308	1.6
0.60	2.45	3.5	2.465196	0.032656	75.489	1.3
0.80	1.77	2.3	1.77873	0.071915	24.734	4.0
1.00	2.06	3.1	2.059397	0.065378	31.5	3.2
1.20	2.35	3.3	2.353596	0.104637	22.493	4.4
1.40	2.55	4.1	2.576795	0.091496	28.163	3.6
1.60	2.16	3.5	2.184529	0.071883	30.39	3.3
1.80	2.26	3.3	2.282596	0.085024	26.847	3.7
2.00	1.08	2.4	1.105798	0.026184	42.232	2.4
2.20	1.67	2.1	1.70773	0.085024	20.085	5.0
2.40	1.47	2.7	1.511597	0.071883	21.029	4.8
2.60	1.08	2.2	1.119331	0.12425	9.009	11.1
2.80	1.27	3.1	1.315464	0.111109	11.839	8.4
3.00	0.98	2.6	1.021265	0.130723	7.812	12.8
3.20	1.37	3.3	1.427064	0.06541	21.817	4.6
3.40	1.18	2.2	1.230931	0.05884	20.92	4.8
3.60	1.67	2.5	1.721263	0.091496	18.812	5.3
3.80	1.08	2.5	1.132864	0.137293	8.251	12.1
4.00	0.88	2.9	0.936731	0.12425	7.539	13.3
4.20	0.98	2.8	1.048331	0.085024	12.33	8.1
4.40	1.08	2.4	1.146397	0.085024	13.483	7.4
4.60	0.98	2.3	1.048331	0.098067	10.69	9.4
4.80	0.88	2.4	0.950264	0.091496	10.386	9.6
5.00	0.98	2.4	1.048331	0.071883	14.584	6.9
5.20	0.78	1.9	0.865731	0.091496	9.462	10.6
5.40	0.59	2.0	0.669598	0.06541	10.237	9.8
5.60	0.88	1.9	0.963798	0.05884	16.38	6.1
5.80	0.98	1.9	1.061864	0.052269	20.315	4.9
6.00	0.78	1.6	0.865731	0.026184	33.064	3.0
6.20	1.27	1.7	1.369597	0.039227	34.915	2.9
6.40	0.59	1.2	0.683131	0.032656	20.919	4.8
6.60	0.49	1.0	0.585065	0.026184	22.345	4.5
6.80	0.29	0.7	0.388932	0.052269	7.441	13.4
7.00	1.77	2.5	1.859929	0.11768	15.805	6.3
7.20	2.35	4.1	2.461861	0.085024	28.955	3.5
7.40	3.73	5.0	3.834792	0.169949	22.564	4.4
7.60	2.35	4.9	2.461861	0.091496	26.907	3.7
7.80	2.26	3.6	2.363795	0.071883	32.884	3.0
8.00	0.98	2.1	1.08893	0.032656	33.345	3.0
8.20	1.18	1.7	1.298597	0.078453	16.553	6.0
8.40	0.69	1.9	0.808264	0.078453	10.303	9.7
8.60	6.77	7.9	6.888387	0.104637	65.831	1.5
8.80	2.55	4.1	2.671528	0.091529	29.188	3.4
9.00	2.16	3.5	2.157463	0.084991	25.385	3.9
9.20	2.45	3.7	2.451663	0.078453	31.25	3.2
9.40	2.65	3.8	2.647796	0.104604	25.312	4.0
9.60	3.04	4.6	3.040062	0.124218	24.474	4.1
9.80	3.24	5.1	3.236195	0.124218	26.053	3.8
10.00	2.35	4.2	2.353596	0.122975	19.139	5.2

Probe CPT - Cone Penetration TEST 190
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 10/09/2020



TEST 191

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 10/09/2020

Profondità prova: 9.00 mt

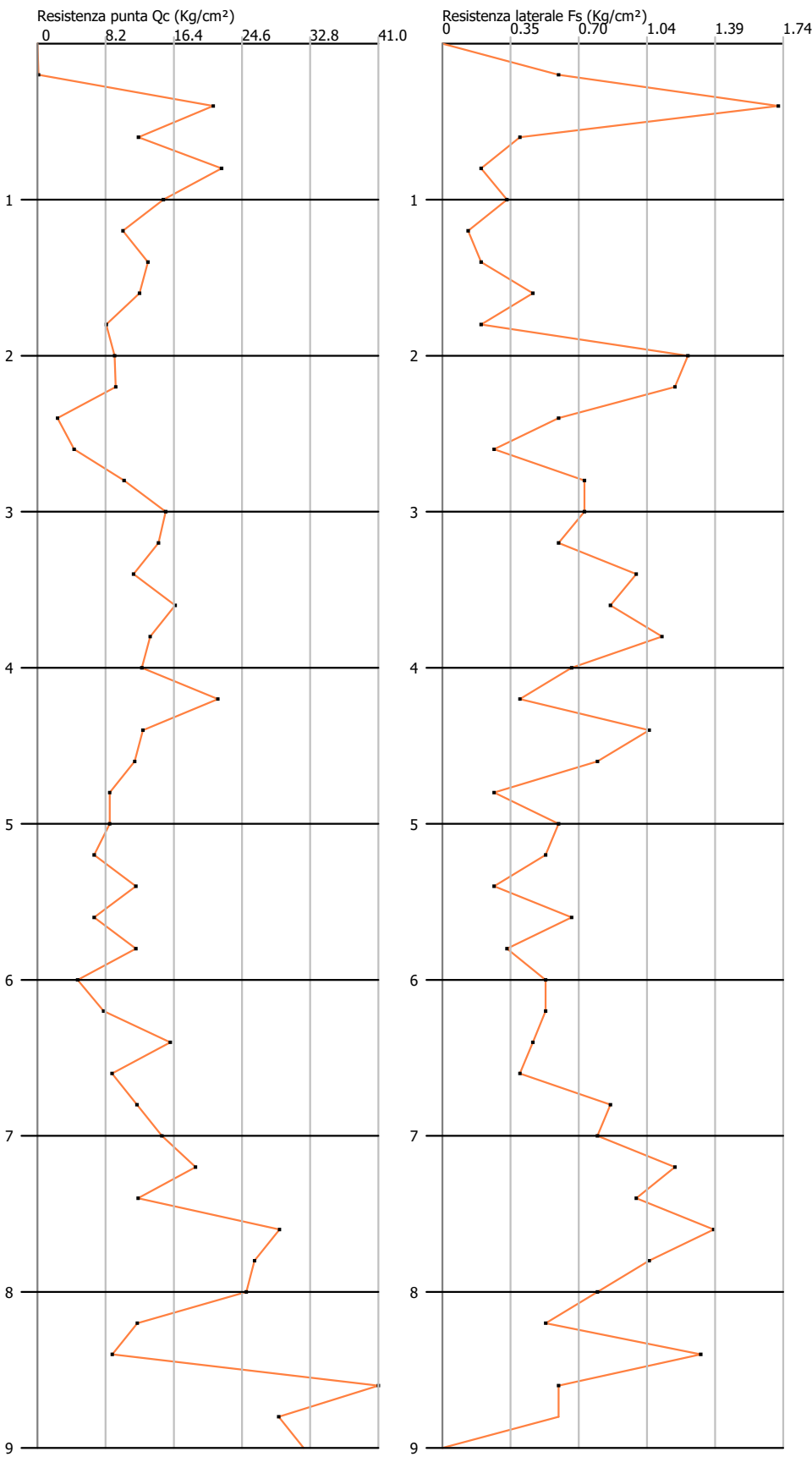
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.013533	0.05884	0.23	434.8
0.40	2.06	2.9	2.07293	0.169949	12.197	8.2
0.60	1.18	3.7	1.190331	0.039227	30.345	3.3
0.80	2.16	2.7	2.170996	0.019613	110.69	0.9
1.00	1.47	1.8	1.484531	0.032656	45.459	2.2
1.20	0.98	1.5	1.007731	0.013043	77.263	1.3
1.40	1.27	1.5	1.301931	0.019613	66.38	1.5
1.60	1.18	1.5	1.203864	0.045797	26.287	3.8
1.80	0.78	1.5	0.811598	0.019613	41.38	2.4
2.00	0.88	1.2	0.909665	0.12425	7.321	13.7
2.20	0.88	2.7	0.923198	0.11768	7.845	12.7
2.40	0.20	2.0	0.236733	0.05884	4.023	24.9
2.60	0.39	1.3	0.432866	0.026184	16.532	6.0
2.80	0.98	1.4	1.021265	0.071883	14.207	7.0
3.00	1.47	2.5	1.511597	0.071883	21.029	4.8
3.20	1.37	2.5	1.427064	0.05884	24.253	4.1
3.40	1.08	2.0	1.132864	0.098067	11.552	8.7
3.60	1.57	3.0	1.623197	0.085024	19.091	5.2
3.80	1.27	2.5	1.328997	0.111109	11.961	8.4
4.00	1.18	2.8	1.230931	0.06541	18.819	5.3
4.20	2.06	3.0	2.127062	0.039227	54.225	1.8
4.40	1.18	1.8	1.244464	0.104637	11.893	8.4
4.60	1.08	2.6	1.146397	0.078453	14.613	6.8
4.80	0.78	2.0	0.852198	0.026184	32.547	3.1
5.00	0.78	1.2	0.852198	0.05884	14.483	6.9
5.20	0.59	1.5	0.669598	0.052269	12.811	7.8
5.40	1.08	1.9	1.159931	0.026184	44.3	2.3
5.60	0.59	1.0	0.669598	0.06541	10.237	9.8
5.80	1.08	2.1	1.159931	0.032656	35.52	2.8
6.00	0.39	0.9	0.473465	0.052269	9.058	11.0
6.20	0.69	1.5	0.781198	0.052269	14.946	6.7
6.40	1.47	2.3	1.56573	0.045797	34.188	2.9
6.60	0.78	1.5	0.879264	0.039227	22.415	4.5
6.80	1.08	1.7	1.173464	0.085024	13.802	7.2
7.00	1.37	2.6	1.467663	0.078453	18.708	5.3
7.20	1.86	3.0	1.863264	0.11768	15.833	6.3
7.40	1.08	2.8	1.186997	0.098067	12.104	8.3
7.60	2.75	4.2	2.854127	0.137293	20.789	4.8
7.80	2.45	4.5	2.559928	0.104637	24.465	4.1
8.00	2.35	3.9	2.461861	0.078453	31.38	3.2
8.20	1.18	2.4	1.176798	0.052302	22.5	4.4
8.40	0.88	1.7	0.882599	0.130755	6.75	14.8
8.60	4.02	6.0	4.020727	0.05884	68.333	1.5
8.80	2.84	3.7	2.843929	0.05884	48.333	2.1
9.00	3.14	4.0	3.138128	0.0		0.0

Probe CPT - Cone Penetration TEST 191
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 10/09/2020



TEST 192

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 10/09/2020

Profondità prova: 9.00 mt

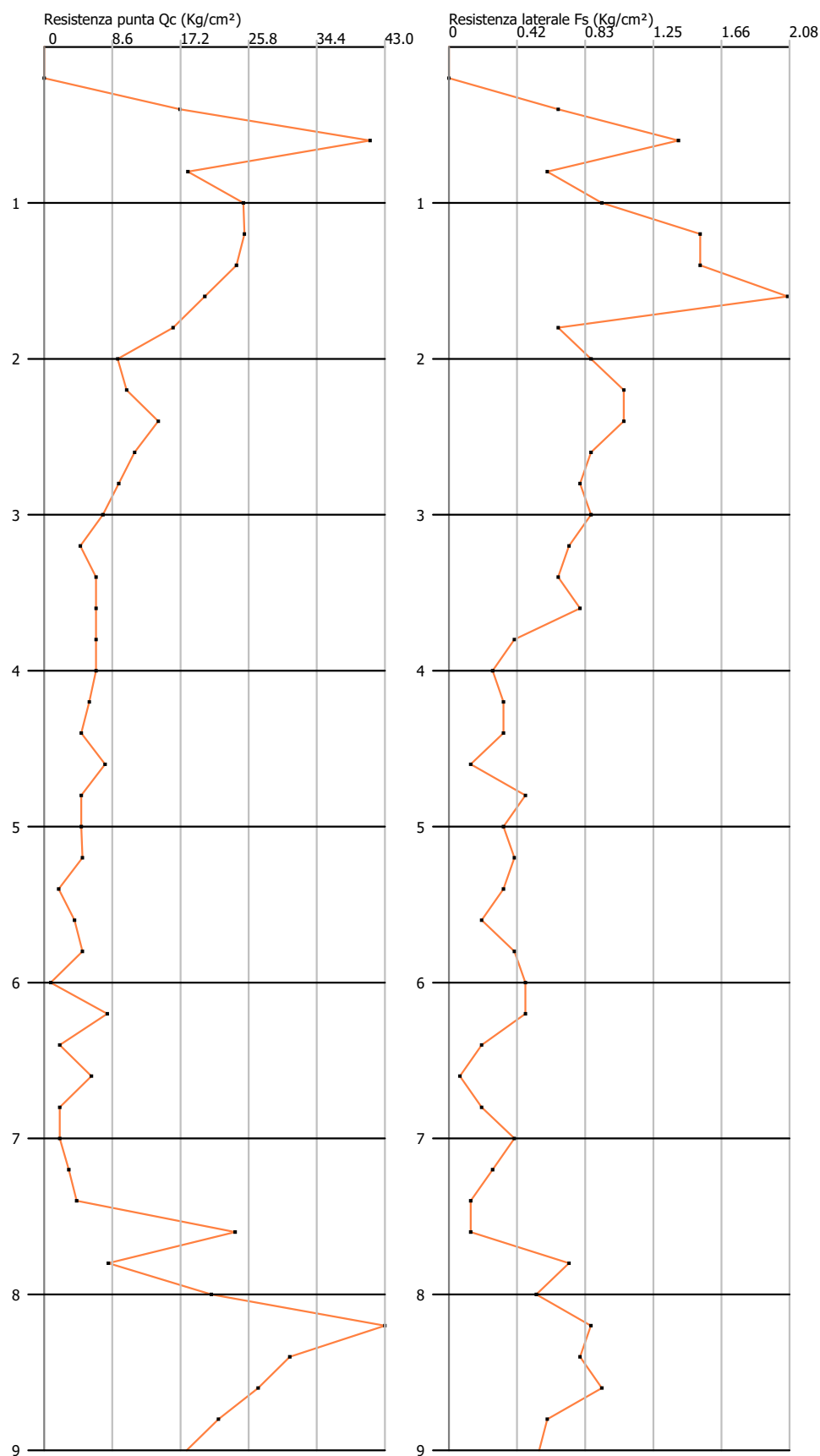
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.0	0.0		
0.40	1.67	2.6	1.680664	0.06541	25.694	3.9
0.60	4.02	5.0	4.03426	0.137293	29.384	3.4
0.80	1.77	3.8	1.77873	0.05884	30.23	3.3
1.00	2.45	3.3	2.465196	0.091496	26.943	3.7
1.20	2.45	3.8	2.478729	0.150336	16.488	6.1
1.40	2.35	4.6	2.380662	0.150336	15.836	6.3
1.60	1.96	4.2	1.988396	0.202703	9.809	10.2
1.80	1.57	4.6	1.59613	0.06541	24.402	4.1
2.00	0.88	1.9	0.909665	0.085024	10.699	9.3
2.20	0.98	2.3	1.021265	0.104637	9.76	10.2
2.40	1.37	2.9	1.413531	0.104637	13.509	7.4
2.60	1.08	2.6	1.119331	0.085024	13.165	7.6
2.80	0.88	2.2	0.923198	0.078453	11.768	8.5
3.00	0.69	1.9	0.727065	0.085024	8.551	11.7
3.20	0.39	1.7	0.446399	0.071883	6.21	16.1
3.40	0.59	1.7	0.642532	0.06541	9.823	10.2
3.60	0.59	1.6	0.642532	0.078453	8.19	12.2
3.80	0.59	1.8	0.642532	0.039227	16.38	6.1
4.00	0.59	1.2	0.642532	0.026184	24.539	4.1
4.20	0.49	0.9	0.557998	0.032656	17.087	5.9
4.40	0.39	0.9	0.459932	0.032656	14.084	7.1
4.60	0.69	1.2	0.754131	0.013043	57.82	1.7
4.80	0.39	0.6	0.459932	0.045797	10.043	10.0
5.00	0.39	1.1	0.459932	0.032656	14.084	7.1
5.20	0.39	0.9	0.473465	0.039227	12.07	8.3
5.40	0.10	0.7	0.179266	0.032656	5.489	18.2
5.60	0.29	0.8	0.375399	0.019613	19.14	5.2
5.80	0.39	0.7	0.473465	0.039227	12.07	8.3
6.00	0.00	0.6	0.081199	0.045797	1.773	56.4
6.20	0.69	1.4	0.781198	0.045797	17.058	5.9
6.40	0.10	0.8	0.192799	0.019613	9.83	10.2
6.60	0.49	0.8	0.585065	0.00657	89.045	1.1
6.80	0.10	0.2	0.192799	0.019613	9.83	10.2
7.00	0.10	0.4	0.192799	0.039227	4.915	20.3
7.20	0.20	0.8	0.304398	0.026184	11.625	8.6
7.40	0.29	0.7	0.402465	0.013043	30.857	3.2
7.60	2.26	2.5	2.363795	0.013043	181.233	0.6
7.80	0.69	0.9	0.794731	0.071883	11.056	9.0
8.00	1.96	3.0	2.069595	0.052302	39.57	2.5
8.20	4.22	5.0	4.21686	0.084991	49.615	2.0
8.40	3.04	4.3	3.040062	0.078453	38.75	2.6
8.60	2.65	3.8	2.647796	0.091529	28.929	3.5
8.80	2.16	3.5	2.157463	0.05884	36.667	2.7
9.00	1.77	2.6	1.765197	0.054055	32.655	3.1

Probe CPT - Cone Penetration TEST 192
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 10/09/2020



TEST 193

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 11/09/2020

Profondità prova: 38.00 mt

Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.013533	0.052269	0.259	386.2
0.40	6.08	6.9	6.093656	0.045797	133.058	0.8
0.60	5.20	5.9	5.211058	0.202703	25.708	3.9
0.80	4.71	7.7	4.720725	0.143864	32.814	3.0
1.00	3.73	5.9	3.74006	0.189563	19.73	5.1
1.20	3.24	6.1	3.263261	0.215746	15.125	6.6
1.40	2.16	5.4	2.184529	0.163477	13.363	7.5
1.60	2.65	5.1	2.674862	0.078453	34.095	2.9
1.80	1.47	2.6	1.498064	0.111109	13.483	7.4
2.00	2.55	4.2	2.576795	0.150336	17.14	5.8
2.20	1.27	3.5	1.315464	0.091496	14.377	7.0
2.40	0.69	2.1	0.727065	0.06541	11.115	9.0
2.60	0.69	1.7	0.727065	0.052269	13.91	7.2
2.80	0.39	1.2	0.432866	0.039227	11.035	9.1
3.00	0.39	1.0	0.432866	0.045797	9.452	10.6
3.20	0.49	1.2	0.544465	0.026184	20.794	4.8
3.40	0.59	1.0	0.642532	0.032656	19.676	5.1
3.60	0.29	0.8	0.348332	0.045797	7.606	13.1
3.80	0.39	1.1	0.446399	0.071883	6.21	16.1
4.00	0.59	1.7	0.642532	0.05884	10.92	9.2
4.20	0.49	1.4	0.557998	0.045797	12.184	8.2
4.40	0.20	0.9	0.263799	0.032656	8.078	12.4
4.60	0.29	0.8	0.361865	0.013043	27.744	3.6
4.80	0.39	0.6	0.459932	0.019613	23.45	4.3
5.00	0.29	0.6	0.361865	0.026184	13.82	7.2
5.20	0.59	1.0	0.669598	0.019613	34.14	2.9
5.40	0.20	0.5	0.277332	0.026184	10.592	9.4
5.60	0.49	0.9	0.571532	0.013043	43.82	2.3
5.80	1.08	1.3	1.159931	0.039227	29.57	3.4
6.00	0.39	1.0	0.473465	0.045797	10.338	9.7
6.20	0.10	0.8	0.192799	0.013043	14.782	6.8
6.40	0.78	1.0	0.879264	0.052269	16.822	5.9
6.60	0.20	1.0	0.290865	0.045797	6.351	15.7
6.80	0.29	1.0	0.388932	0.013043	29.82	3.4
7.00	0.78	1.0	0.879264	0.032656	26.925	3.7
7.20	0.20	0.7	0.304398	0.039227	7.76	12.9
7.40	0.29	0.9	0.402465	0.039227	10.26	9.7
7.60	1.27	1.9	1.38313	0.071883	19.241	5.2
7.80	0.98	2.1	1.08893	0.039227	27.76	3.6
8.00	1.77	2.4	1.873462	0.039227	47.76	2.1
8.20	0.98	1.6	1.102464	0.098067	11.242	8.9
8.40	0.78	2.3	0.906331	0.052269	17.34	5.8
8.60	0.78	1.6	0.906331	0.045797	19.79	5.1
8.80	0.78	1.5	0.906331	0.111109	8.157	12.3
9.00	2.55	4.2	2.671528	0.104637	25.531	3.9
9.20	3.33	4.9	3.469593	0.098067	35.38	2.8
9.40	4.41	5.9	4.548324	0.05884	77.3	1.3
9.60	5.20	6.1	5.332856	0.150336	35.473	2.8
9.80	2.65	4.9	2.783127	0.156906	17.738	5.6
10.00	2.55	4.9	2.685061	0.104637	25.661	3.9
10.20	2.84	4.4	2.992793	0.071883	41.634	2.4
10.40	3.73	4.8	3.875392	0.06541	59.247	1.7
10.60	5.39	6.4	5.542523	0.143864	38.526	2.6
10.80	5.00	7.2	5.150257	0.11768	43.765	2.3
11.00	4.51	6.3	4.659924	0.111109	41.94	2.4
11.20	4.41	6.1	4.575391	0.11768	38.88	2.6
11.40	4.41	6.2	4.575391	0.18309	24.99	4.0

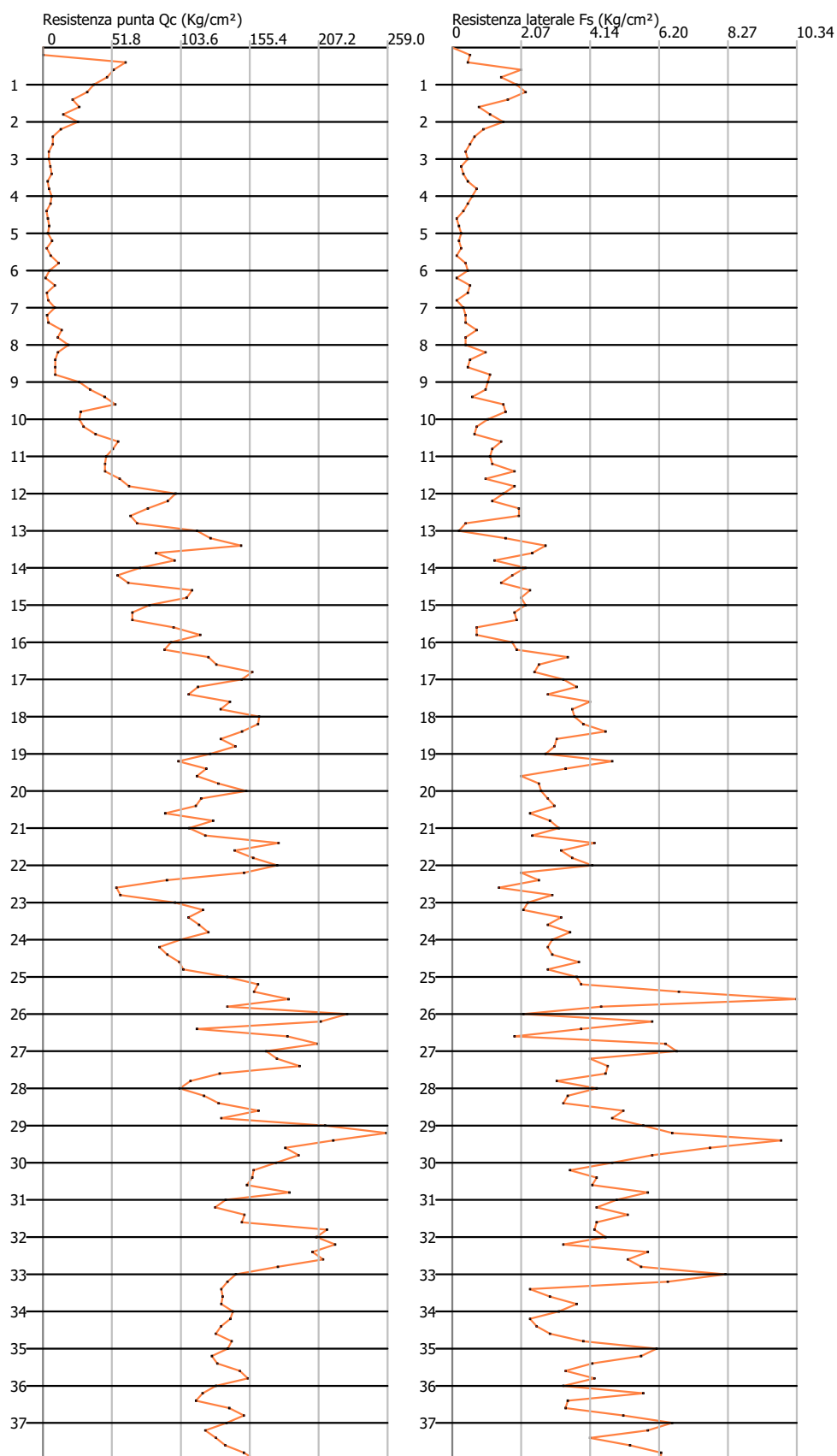
11.60	5.49	8.2	5.654122	0.098067	57.656	1.7
11.80	6.18	7.6	6.340588	0.18309	34.631	2.9
12.00	9.61	12.4	9.772915	0.150336	65.007	1.5
12.20	9.02	11.3	9.198049	0.11768	78.162	1.3
12.40	7.55	9.3	7.727052	0.196133	39.397	2.5
12.60	6.28	9.2	6.452187	0.196133	32.897	3.0
12.80	6.77	9.7	6.94252	0.039227	176.985	0.6
13.00	11.18	11.8	11.355512	0.019613	578.97	0.2
13.20	12.16	12.5	12.349711	0.156906	78.708	1.3
13.40	14.42	16.8	14.60524	0.274586	53.19	1.9
13.60	8.14	12.3	8.328984	0.23536	35.388	2.8
13.80	9.51	13.0	9.701915	0.12425	78.084	1.3
14.00	6.96	8.8	7.152186	0.215746	33.151	3.0
14.20	5.30	8.5	5.498589	0.17652	31.15	3.2
14.40	6.08	8.7	6.283121	0.143864	43.674	2.3
14.60	10.79	12.9	10.990313	0.228789	48.037	2.1
14.80	10.40	13.8	10.598047	0.202703	52.284	1.9
15.00	7.65	10.7	7.852185	0.215746	36.395	2.7
15.20	6.37	9.6	6.590853	0.18309	35.998	2.8
15.40	6.37	9.1	6.590853	0.189563	34.769	2.9
15.60	9.41	12.3	9.630915	0.071883	133.981	0.7
15.80	11.38	12.5	11.592245	0.071883	161.266	0.6
16.00	9.22	10.3	9.434782	0.17652	53.449	1.9
16.20	8.73	11.4	8.957983	0.189563	47.256	2.1
16.40	11.96	14.8	12.194177	0.339997	35.866	2.8
16.60	12.55	17.7	12.782576	0.254973	50.133	2.0
16.80	15.20	19.0	15.430372	0.24193	63.78	1.6
17.00	14.42	18.0	14.64584	0.326856	44.808	2.2
17.20	11.18	16.1	11.423178	0.366082	31.204	3.2
17.40	10.49	16.0	10.736713	0.281157	38.188	2.6
17.60	13.53	17.8	13.776774	0.405309	33.991	2.9
17.80	12.85	18.9	13.090309	0.353039	37.079	2.7
18.00	15.69	21.0	15.934237	0.35961	44.31	2.3
18.20	15.59	21.0	15.849704	0.385696	41.094	2.4
18.40	14.42	20.2	14.672906	0.451106	32.527	3.1
18.60	12.85	19.6	13.103842	0.307242	42.65	2.3
18.80	13.93	18.5	14.182574	0.30077	47.154	2.1
19.00	12.06	16.6	12.31931	0.274586	44.865	2.2
19.20	9.71	13.8	9.979247	0.470719	21.2	4.7
19.40	11.77	18.8	12.038644	0.333426	36.106	2.8
19.60	11.08	16.1	11.352178	0.202703	56.004	1.8
19.80	12.65	15.7	12.921242	0.254973	50.677	2.0
20.00	14.71	18.5	14.980639	0.261543	57.278	1.7
20.20	11.38	15.3	11.659911	0.281157	41.471	2.4
20.40	10.98	15.2	11.267645	0.30077	37.463	2.7
20.60	8.73	13.2	9.012115	0.228789	39.39	2.5
20.80	12.26	15.7	12.542509	0.287629	43.607	2.3
21.00	10.49	14.8	10.777312	0.313813	34.343	2.9
21.20	11.67	16.4	11.967644	0.23536	50.848	2.0
21.40	17.06	20.6	17.361301	0.41845	41.49	2.4
21.60	13.83	20.1	14.125107	0.320383	44.088	2.3
21.80	15.20	20.0	15.498038	0.353039	43.899	2.3
22.00	16.97	22.3	17.263235	0.411879	41.913	2.4
22.20	14.51	20.7	14.825105	0.202703	73.137	1.4
22.40	8.83	11.9	9.137248	0.254973	35.836	2.8
22.60	5.10	8.9	5.410721	0.137293	39.41	2.5
22.80	5.39	7.5	5.704921	0.2942	19.391	5.2
23.00	9.41	13.8	9.725647	0.222317	43.747	2.3
23.20	11.47	14.8	11.798577	0.209176	56.405	1.8
23.40	10.40	13.5	10.719845	0.320383	33.459	3.0
23.60	11.18	16.0	11.504377	0.281157	40.918	2.4
23.80	11.87	16.1	12.190843	0.346469	35.186	2.8
24.00	9.81	15.0	10.131446	0.2942	34.437	2.9
24.20	8.24	12.7	8.575916	0.281157	30.502	3.3
24.40	8.83	13.0	9.164315	0.2942	31.15	3.2
24.60	9.71	14.1	10.046913	0.372653	26.961	3.7

24.80	10.00	15.6	10.341113	0.281157	36.781	2.7
25.00	13.24	17.5	13.577307	0.366082	37.088	2.7
25.20	15.49	21.0	15.84637	0.379223	41.786	2.4
25.40	15.20	20.9	15.55217	0.666852	23.322	4.3
25.60	17.75	27.8	18.101899	1.013321	17.864	5.6
25.80	13.24	28.4	13.59084	0.438063	31.025	3.2
26.00	22.06	28.6	22.416825	0.209176	107.167	0.9
26.20	20.10	23.2	20.469029	0.588399	34.788	2.9
26.40	10.98	19.8	11.348844	0.379223	29.927	3.3
26.60	17.65	23.3	18.017366	0.18309	98.407	1.0
26.80	19.91	22.7	20.272896	0.627626	32.301	3.1
27.00	16.08	25.5	16.448302	0.660282	24.911	4.0
27.20	16.87	26.8	17.246367	0.405309	42.551	2.4
27.40	18.53	24.6	18.913498	0.457676	41.325	2.4
27.60	12.65	19.5	13.029508	0.451106	28.883	3.5
27.80	10.49	17.3	10.872045	0.307242	35.386	2.8
28.00	9.71	14.3	10.087513	0.424922	23.74	4.2
28.20	11.47	17.8	11.866243	0.339997	34.901	2.9
28.40	12.55	17.7	12.944974	0.326856	39.605	2.5
28.60	15.49	20.4	15.886969	0.503375	31.561	3.2
28.80	12.75	20.3	13.141107	0.470719	27.917	3.6
29.00	20.40	27.5	20.790294	0.562215	36.979	2.7
29.20	24.91	33.3	25.314887	0.647239	39.112	2.6
29.40	20.99	30.7	21.392227	0.967622	22.108	4.5
29.60	17.46	32.0	17.861833	0.758348	23.554	4.2
29.80	18.44	29.8	18.842498	0.588399	32.023	3.1
30.00	16.77	25.6	17.175367	0.470719	36.488	2.7
30.20	15.10	22.2	15.52177	0.346469	44.8	2.2
30.40	15.00	20.2	15.423703	0.424922	36.298	2.8
30.60	14.61	21.0	15.031437	0.411879	36.495	2.7
30.80	17.75	23.9	18.169565	0.575356	31.58	3.2
31.00	13.04	21.7	13.462373	0.483762	27.829	3.6
31.20	12.26	19.5	12.691374	0.424922	29.868	3.3
31.40	14.42	20.8	14.848837	0.516516	28.748	3.5
31.60	14.22	22.0	14.652704	0.424922	34.483	2.9
31.80	20.50	26.9	20.92896	0.41845	50.015	2.0
32.00	19.71	26.0	20.144428	0.451106	44.656	2.2
32.20	21.08	27.9	21.530893	0.326856	65.873	1.5
32.40	19.42	24.3	19.863762	0.575356	34.524	2.9
32.60	20.20	28.8	20.648294	0.516516	39.976	2.5
32.80	16.87	24.6	17.314033	0.55571	31.157	3.2
33.00	14.22	22.6	14.219643	0.804145	17.683	5.7
33.20	13.14	25.2	13.601039	0.634163	21.447	4.7
33.40	13.14	22.7	13.140911	0.228822	57.429	1.7
33.60	13.24	16.7	13.238978	0.287662	46.023	2.2
33.80	13.14	17.5	13.140911	0.366082	35.896	2.8
34.00	13.53	19.0	13.993305	0.313813	44.591	2.2
34.20	13.34	18.0	13.810705	0.228789	60.364	1.7
34.40	12.65	16.1	13.12424	0.248402	52.835	1.9
34.60	12.26	16.0	12.731974	0.287629	44.265	2.3
34.80	13.44	17.8	13.908772	0.385696	36.062	2.8
35.00	13.14	18.9	13.614572	0.601442	22.637	4.4
35.20	11.96	21.0	12.451308	0.55571	22.406	4.5
35.40	12.85	21.2	12.846712	0.411879	31.19	3.2
35.60	14.02	20.2	14.510704	0.333426	43.52	2.3
35.80	14.61	19.6	15.099103	0.41845	36.083	2.8
36.00	12.26	18.5	12.745507	0.326888	38.99	2.6
36.20	11.77	16.7	11.76798	0.562248	20.93	4.8
36.40	11.28	19.7	11.277648	0.339964	33.173	3.0
36.60	13.73	18.8	13.72931	0.333426	41.176	2.4
36.80	14.81	19.8	14.808042	0.503408	29.416	3.4
37.00	13.53	21.1	13.533177	0.647239	20.909	4.8
37.20	11.96	21.7	11.964113	0.575324	20.795	4.8
37.40	12.75	21.4	12.748645	0.405342	31.452	3.2
37.60	13.44	19.5	13.435111	0.523021	25.688	3.9
37.80	14.81	22.7	14.808042	0.61455	24.096	4.2

Probe CPT - Cone Penetration TEST 193
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 11/09/2020



38.00	15.69	24.9	15.69064	0.613543	25.574	3.9
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TEST 194

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 11/09/2020

Profondità prova: 38.00 mt

Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.013533	0.111109	0.122	821.0
0.40	4.71	6.4	4.720725	0.228789	20.634	4.8
0.60	2.84	6.3	2.857462	0.150336	19.007	5.3
0.80	3.04	5.3	3.053595	0.11768	25.948	3.9
1.00	3.43	5.2	3.445861	0.196133	17.569	5.7
1.20	2.94	5.9	2.969061	0.150336	19.75	5.1
1.40	1.86	4.1	1.89033	0.143864	13.14	7.6
1.60	2.06	4.2	2.086463	0.085024	24.54	4.1
1.80	2.16	3.4	2.184529	0.143864	15.185	6.6
2.00	1.96	4.1	1.988396	0.156906	12.673	7.9
2.20	1.77	4.1	1.805797	0.12425	14.534	6.9
2.40	0.59	2.5	0.628999	0.11768	5.345	18.7
2.60	1.57	3.3	1.609664	0.085024	18.932	5.3
2.80	2.94	4.2	2.982595	0.104637	28.504	3.5
3.00	1.08	2.6	1.119331	0.085024	13.165	7.6
3.20	2.06	3.3	2.113529	0.163477	12.929	7.7
3.40	0.39	2.8	0.446399	0.071883	6.21	16.1
3.60	2.65	3.7	2.701928	0.143864	18.781	5.3
3.80	2.55	4.7	2.603862	0.111109	23.435	4.3
4.00	1.67	3.3	1.721263	0.104637	16.45	6.1
4.20	2.45	4.0	2.519328	0.137293	18.35	5.4
4.40	2.94	5.0	3.009661	0.12425	24.223	4.1
4.60	3.14	5.0	3.205794	0.150336	21.324	4.7
4.80	1.47	3.7	1.538663	0.104637	14.705	6.8
5.00	2.55	4.1	2.617395	0.098067	26.69	3.7
5.20	2.65	4.1	2.728995	0.091496	29.826	3.4
5.40	2.45	3.8	2.532862	0.130723	19.376	5.2
5.60	2.75	4.7	2.827061	0.143864	19.651	5.1
5.80	3.14	5.3	3.219327	0.150336	21.414	4.7
6.00	2.55	4.8	2.630928	0.071883	36.6	2.7
6.20	3.43	4.5	3.52706	0.143864	24.517	4.1
6.40	3.24	5.4	3.330927	0.12425	26.808	3.7
6.60	3.53	5.4	3.625126	0.137293	26.404	3.8
6.80	3.04	5.1	3.134794	0.091496	34.262	2.9
7.00	2.45	3.8	2.546395	0.071883	35.424	2.8
7.20	2.84	3.9	2.952194	0.091496	32.266	3.1
7.40	2.94	4.3	3.05026	0.11768	25.92	3.9
7.60	2.65	4.4	2.756061	0.085024	32.415	3.1
7.80	4.12	5.4	4.227058	0.091496	46.199	2.2
8.00	3.73	5.1	3.834792	0.12425	30.863	3.2
8.20	3.24	5.1	3.357993	0.143864	23.342	4.3
8.40	2.06	4.2	2.181195	0.085024	25.654	3.9
8.60	3.14	4.4	3.259927	0.06541	49.838	2.0
8.80	4.61	5.6	4.730924	0.111109	42.579	2.3
9.00	5.49	7.2	5.613523	0.156906	35.776	2.8
9.20	4.41	6.8	4.548324	0.11768	38.65	2.6
9.40	4.90	6.7	5.038657	0.130723	38.545	2.6
9.60	3.53	5.5	3.665726	0.209176	17.525	5.7
9.80	4.22	7.4	4.352191	0.137293	31.7	3.2
10.00	5.88	7.9	6.019322	0.143864	41.84	2.4
10.20	6.18	8.3	6.327055	0.11768	53.765	1.9
10.40	3.14	4.9	3.286993	0.098067	33.518	3.0

10.60	2.65	4.1	2.79666	0.11768	23.765	4.2
10.80	3.43	5.2	3.581192	0.104637	34.225	2.9
11.00	2.65	4.2	2.79666	0.150336	18.603	5.4
11.20	3.53	5.8	3.692792	0.104637	35.291	2.8
11.40	4.71	6.3	4.86959	0.150336	32.391	3.1
11.60	7.16	9.4	7.321253	0.156906	46.66	2.1
11.80	6.47	8.8	6.634787	0.130723	50.755	2.0
12.00	9.81	11.8	9.969048	0.274586	36.306	2.8
12.20	8.83	12.9	9.001916	0.189563	47.488	2.1
12.40	7.06	9.9	7.236719	0.196133	36.897	2.7
12.60	6.96	9.9	7.138653	0.228789	31.202	3.2
12.80	10.00	13.4	10.178714	0.2942	34.598	2.9
13.00	13.63	18.0	13.807175	0.254973	54.152	1.8
13.20	16.97	20.8	17.154969	0.35961	47.704	2.1
13.40	11.96	17.4	12.153578	0.281157	43.227	2.3
13.60	11.77	16.0	11.957445	0.392266	30.483	3.3
13.80	12.26	18.1	12.447777	0.23536	52.888	1.9
14.00	16.48	20.0	16.664637	0.53613	31.083	3.2
14.20	17.36	25.4	17.560768	0.23536	74.613	1.3
14.40	17.06	20.6	17.266569	0.41845	41.263	2.4
14.60	15.89	22.2	16.089771	0.333426	48.256	2.1
14.80	13.24	18.2	13.441975	0.339997	39.536	2.5
15.00	12.26	17.4	12.46131	0.333426	37.374	2.7
15.20	11.38	16.4	11.592245	0.444535	26.077	3.8
15.40	11.38	18.0	11.592245	0.18309	63.314	1.6
15.60	14.32	17.1	14.53424	0.261543	55.571	1.8
15.80	12.85	16.8	13.063243	0.346469	37.704	2.7
16.00	12.06	17.3	12.27871	0.313813	39.128	2.6
16.20	12.26	17.0	12.488377	0.209176	59.703	1.7
16.40	10.49	13.6	10.72318	0.483762	22.166	4.5
16.60	9.32	16.6	9.546382	0.307242	31.071	3.2
16.80	16.67	21.3	16.901369	0.189563	89.16	1.1
17.00	16.97	19.8	17.195569	0.320383	53.672	1.9
17.20	19.61	24.4	19.856897	0.405309	48.992	2.0
17.40	16.97	23.0	17.209102	0.647239	26.588	3.8
17.60	15.69	25.4	15.934237	0.2942	54.161	1.8
17.80	18.73	23.1	18.974299	0.2942	64.495	1.6
18.00	12.45	16.9	12.698043	0.222317	57.117	1.8
18.20	1.37	4.7	1.630061	0.045797	35.593	2.8
18.40	0.69	1.4	0.943596	0.098067	9.622	10.4
18.60	13.83	15.3	14.084507	0.248402	56.7	1.8
18.80	16.08	19.8	16.340037	0.372653	43.848	2.3
19.00	16.38	22.0	16.634236	0.339997	48.925	2.0
19.20	16.57	21.7	16.843902	0.575356	29.276	3.4
19.40	13.24	21.9	13.509641	0.496903	27.188	3.7
19.60	19.32	26.8	19.589764	0.457676	42.803	2.3
19.80	20.01	26.9	20.27623	0.529559	38.289	2.6
20.00	15.20	23.1	15.470971	0.35961	43.022	2.3
20.20	17.75	23.1	18.034233	0.411879	43.785	2.3
20.40	15.98	22.2	16.269036	0.424922	38.287	2.6
20.60	15.89	22.3	16.17097	0.385696	41.927	2.4
20.80	18.63	24.4	18.916832	0.398836	47.43	2.1
21.00	18.63	24.6	18.916832	0.372653	50.763	2.0
21.20	15.40	21.0	15.694171	0.438063	35.826	2.8
21.40	13.93	20.5	14.223173	0.372653	38.167	2.6
21.60	14.02	19.6	14.32124	0.268016	53.434	1.9
21.80	13.53	17.6	13.830907	0.379223	36.472	2.7
22.00	13.44	19.1	13.732841	0.366082	37.513	2.7
22.20	12.94	18.4	13.256041	0.647239	20.481	4.9
22.40	10.49	20.2	10.804379	0.339997	31.778	3.1
22.60	3.33	8.4	3.645524	0.032656	111.634	0.9
22.80	7.16	7.6	7.470118	0.431493	17.312	5.8
23.00	15.30	21.8	15.609637	0.470719	33.161	3.0
23.20	20.89	27.9	21.212961	0.470719	45.065	2.2
23.40	19.02	26.1	19.349698	0.405309	47.741	2.1
23.60	16.67	22.8	16.996101	0.608012	27.954	3.6

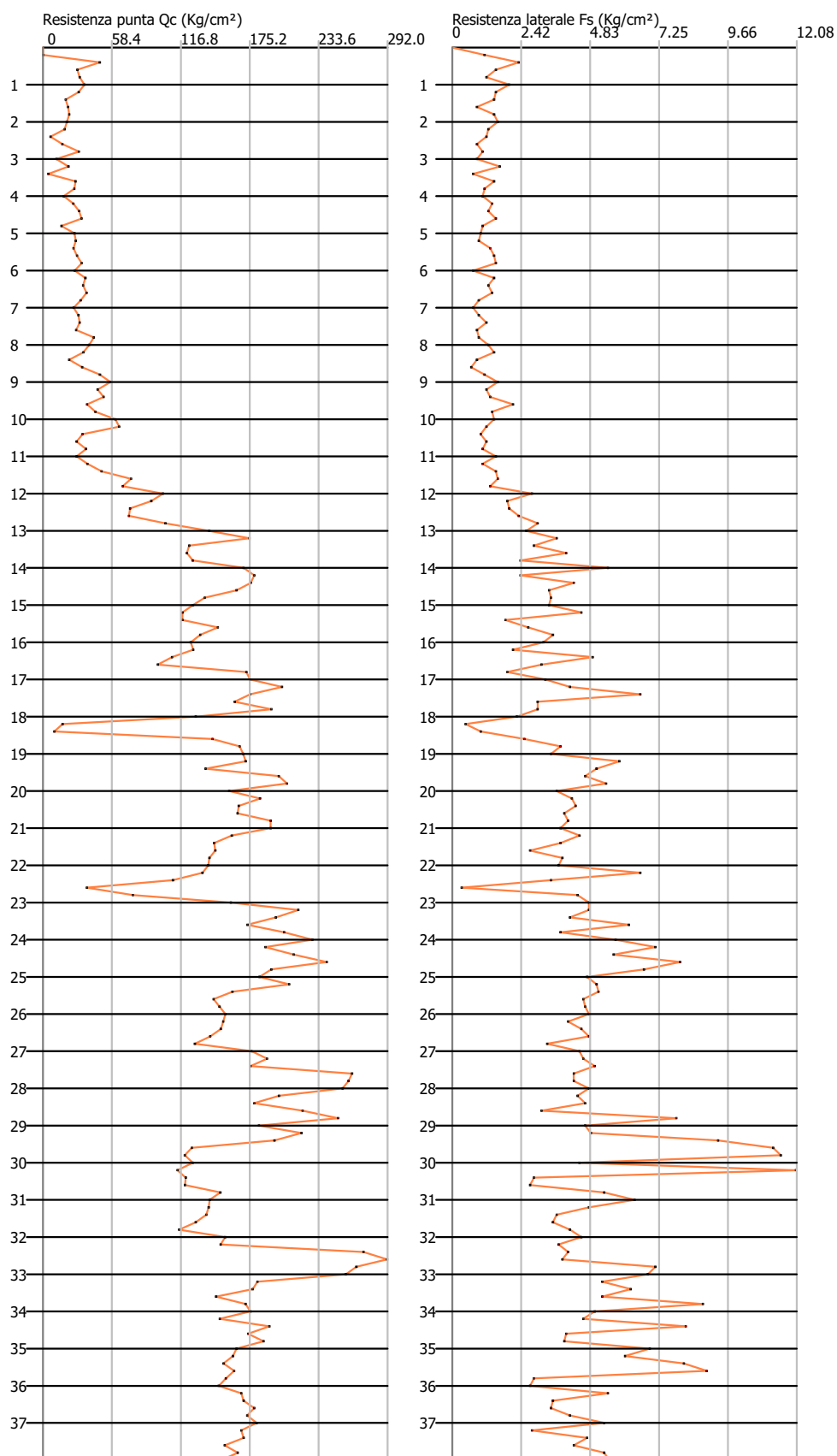
23.80	19.71	28.8	20.036163	0.372653	53.766	1.9
24.00	22.06	27.7	22.389759	0.562215	39.824	2.5
24.20	18.14	26.6	18.480632	0.699508	26.419	3.8
24.40	20.50	31.0	20.834228	0.555743	37.489	2.7
24.60	23.24	31.6	23.58009	0.784532	30.056	3.3
24.80	18.63	30.4	18.970965	0.660282	28.732	3.5
25.00	17.65	27.6	17.9903	0.464149	38.76	2.6
25.20	20.10	27.1	20.455495	0.496903	41.166	2.4
25.40	15.40	22.8	15.748303	0.503375	31.285	3.2
25.60	13.83	21.4	14.179239	0.451106	31.432	3.2
25.80	14.32	21.1	14.669572	0.457676	32.052	3.1
26.00	14.81	21.7	15.159904	0.470719	32.206	3.1
26.20	14.61	21.7	14.977304	0.398836	37.552	2.7
26.40	14.42	20.4	14.781171	0.444535	33.251	3.0
26.60	13.53	20.2	13.898573	0.470719	29.526	3.4
26.80	12.26	19.3	12.623708	0.326856	38.622	2.6
27.00	16.97	21.9	17.330901	0.438063	39.563	2.5
27.20	18.24	24.8	18.619298	0.451106	41.275	2.4
27.40	16.87	23.6	17.246367	0.490333	35.173	2.8
27.60	25.30	32.7	25.680086	0.41845	61.37	1.6
27.80	25.01	31.3	25.385887	0.41845	60.667	1.6
28.00	24.52	30.8	24.895554	0.470719	52.888	1.9
28.20	19.22	26.3	19.613496	0.431493	45.455	2.2
28.40	17.16	23.6	17.5541	0.457644	38.358	2.6
28.60	21.57	28.4	21.57463	0.307275	70.213	1.4
28.80	24.52	29.1	24.516625	0.771457	31.78	3.1
29.00	17.95	29.5	17.94617	0.457644	39.214	2.6
29.20	21.48	28.3	21.476564	0.47729	44.997	2.2
29.40	18.83	26.0	19.234764	0.915255	21.016	4.8
29.60	11.96	25.7	12.370108	1.104915	11.196	8.9
29.80	11.38	27.9	11.781709	1.131033	10.417	9.6
30.00	12.45	29.4	12.454446	0.43803	28.433	3.5
30.20	11.18	17.8	11.179581	1.183336	9.448	10.6
30.40	11.87	29.6	11.866047	0.281157	42.204	2.4
30.60	11.38	15.6	11.795243	0.268016	44.01	2.3
30.80	14.32	18.3	14.737238	0.522989	28.179	3.5
31.00	13.44	21.3	13.854639	0.627626	22.075	4.5
31.20	13.34	22.8	13.770106	0.470719	29.253	3.4
31.40	13.14	20.2	13.573973	0.35961	37.746	2.6
31.60	12.26	17.7	12.691374	0.346469	36.631	2.7
31.80	10.89	16.1	11.318443	0.405309	27.925	3.6
32.00	14.71	20.8	15.143037	0.444535	34.065	2.9
32.20	14.32	21.0	14.764304	0.366082	40.331	2.5
32.40	26.18	31.7	26.630351	0.398836	66.77	1.5
32.60	28.15	34.1	28.591681	0.379223	75.395	1.3
32.80	25.60	31.3	26.041952	0.699508	37.229	2.7
33.00	24.71	35.2	25.159353	0.673423	37.36	2.7
33.20	17.36	27.5	17.817899	0.516516	34.496	2.9
33.40	16.97	24.7	17.425633	0.614583	28.354	3.5
33.60	13.93	23.1	14.385571	0.516516	27.851	3.6
33.80	16.38	24.1	16.837234	0.862985	19.51	5.1
34.00	16.77	29.7	17.2295	0.490333	35.138	2.8
34.20	14.22	21.6	14.693304	0.451106	32.572	3.1
34.40	18.34	25.1	18.812097	0.804145	23.394	4.3
34.60	16.57	28.6	17.0469	0.392266	43.458	2.3
34.80	17.85	23.7	18.321764	0.385728	47.499	2.1
35.00	16.08	21.9	16.082906	0.679928	23.654	4.2
35.20	15.79	26.0	15.788707	0.594937	26.538	3.8
35.40	15.00	23.9	15.004175	0.797608	18.811	5.3
35.60	15.89	27.9	15.886773	0.876061	18.134	5.5
35.80	15.20	28.3	15.200308	0.281124	54.07	1.8
36.00	14.61	18.8	14.611909	0.268048	54.512	1.8
36.20	16.48	20.5	16.475172	0.536097	30.732	3.3
36.40	16.67	24.7	16.671305	0.346502	48.113	2.1
36.60	17.55	22.8	17.553904	0.339964	51.635	1.9
36.80	16.97	22.1	16.965505	0.405342	41.855	2.4

37.00	17.75	23.8	17.750037	0.523021	33.938	2.9
37.20	16.48	24.3	16.475172	0.274586	60.0	1.7
37.40	16.67	20.8	16.671305	0.464181	35.915	2.8
37.60	15.10	22.1	15.102241	0.418417	36.094	2.8
37.80	16.18	22.5	16.180973	0.523021	30.938	3.2
38.00	14.81	22.7	14.808042	0.540582	27.393	3.7

Probe CPT - Cone Penetration TEST 194
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 11/09/2020



TEST 198

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 15/09/2020

Profondità prova: 8.60 mt

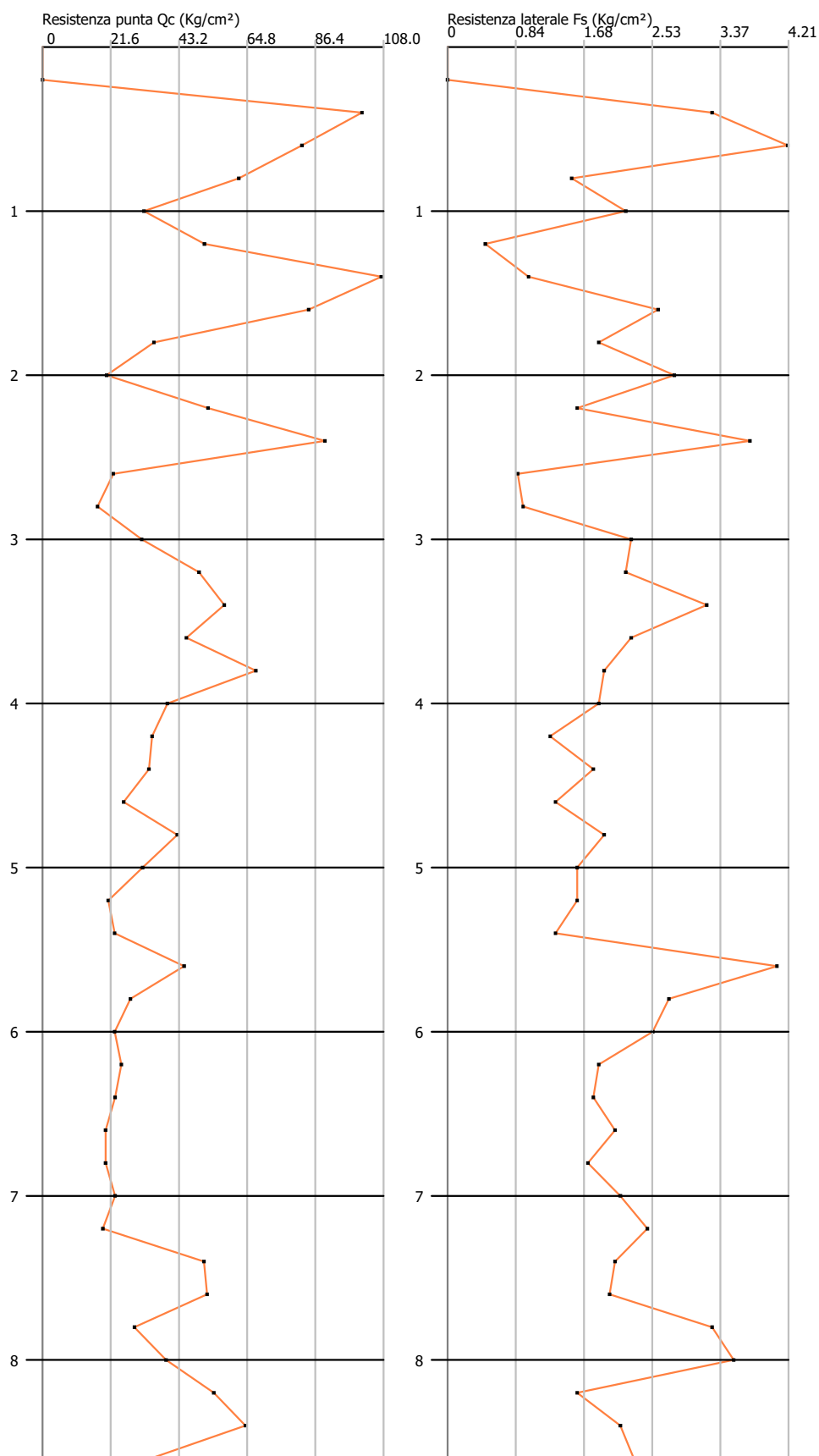
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.0	0.0		
0.40	9.90	11.6	9.91825	0.320383	30.957	3.2
0.60	8.04	12.8	8.054986	0.411879	19.557	5.1
0.80	6.08	12.3	6.093656	0.150336	40.534	2.5
1.00	3.14	5.4	3.151661	0.215746	14.608	6.8
1.20	5.00	8.2	5.028458	0.045797	109.799	0.9
1.40	10.49	11.2	10.520182	0.098067	107.276	0.9
1.60	8.24	9.7	8.264652	0.254973	32.414	3.1
1.80	3.43	7.3	3.459394	0.18309	18.894	5.3
2.00	1.96	4.7	1.988396	0.274586	7.241	13.8
2.20	5.10	9.2	5.140058	0.156906	32.759	3.1
2.40	8.73	11.1	8.768518	0.366082	23.952	4.2
2.60	2.16	7.6	2.198063	0.085024	25.852	3.9
2.80	1.67	2.9	1.70773	0.091496	18.665	5.4
3.00	3.04	4.4	3.080661	0.222317	13.857	7.2
3.20	4.81	8.1	4.859391	0.215746	22.524	4.4
3.40	5.59	8.8	5.643923	0.313813	17.985	5.6
3.60	4.41	9.1	4.467125	0.222317	20.094	5.0
3.80	6.57	9.9	6.624588	0.189563	34.947	2.9
4.00	3.82	6.7	3.878726	0.18309	21.185	4.7
4.20	3.33	6.1	3.401927	0.12425	27.38	3.7
4.40	3.24	5.1	3.30386	0.17652	18.717	5.3
4.60	2.45	5.1	2.519328	0.130723	19.272	5.2
4.80	4.12	6.1	4.186459	0.189563	22.085	4.5
5.00	3.04	5.9	3.107727	0.156906	19.806	5.0
5.20	1.96	4.3	2.042529	0.156906	13.018	7.7
5.40	2.16	4.5	2.238662	0.130723	17.125	5.8
5.60	4.31	6.3	4.396125	0.398836	11.022	9.1
5.80	2.65	8.6	2.728995	0.268016	10.182	9.8
6.00	2.16	6.2	2.238662	0.248402	9.012	11.1
6.20	2.35	6.1	2.448328	0.18309	13.372	7.5
6.40	2.16	4.9	2.252195	0.17652	12.759	7.8
6.60	1.86	4.5	1.957996	0.202703	9.659	10.4
6.80	1.86	4.9	1.957996	0.169949	11.521	8.7
7.00	2.16	4.7	2.252195	0.209176	10.767	9.3
7.20	1.77	4.9	1.873462	0.24193	7.744	12.9
7.40	4.90	8.5	5.01159	0.202703	24.724	4.0
7.60	5.00	8.0	5.109657	0.196133	26.052	3.8
7.80	2.75	5.7	2.854127	0.320383	8.908	11.2
8.00	3.73	8.5	3.834792	0.346469	11.068	9.0
8.20	5.20	10.4	5.319323	0.156906	33.901	2.9
8.40	6.18	8.5	6.299988	0.209176	30.118	3.3
8.60	3.24	6.4	3.357993	0.225553	14.888	6.7

Probe CPT - Cone Penetration TEST 198
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 15/09/2020



TEST 199

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 15/09/2020

Profondità prova: 10.00 mt

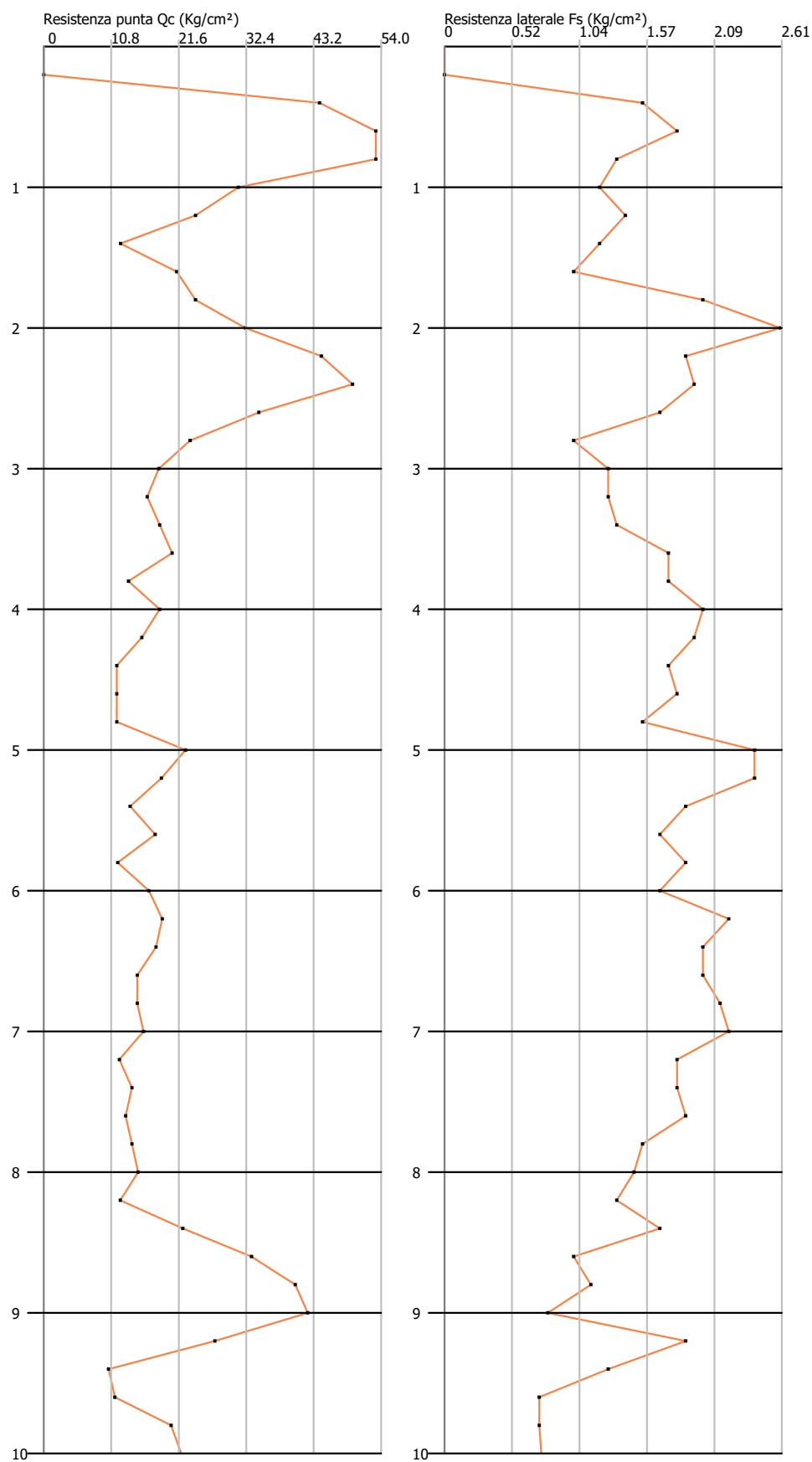
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.0	0.0		
0.40	4.31	6.1	4.328459	0.150336	28.792	3.5
0.60	5.20	7.5	5.211058	0.17652	29.521	3.4
0.80	5.20	7.8	5.211058	0.130723	39.863	2.5
1.00	3.04	5.0	3.053595	0.11768	25.948	3.9
1.20	2.35	4.1	2.380662	0.137293	17.34	5.8
1.40	1.18	3.2	1.203864	0.11768	10.23	9.8
1.60	2.06	3.8	2.086463	0.098067	21.276	4.7
1.80	2.35	3.8	2.380662	0.196133	12.138	8.2
2.00	3.14	6.1	3.165194	0.254973	12.414	8.1
2.20	4.31	8.1	4.355526	0.18309	23.789	4.2
2.40	4.81	7.6	4.845858	0.189563	25.563	3.9
2.60	3.33	6.2	3.374861	0.163477	20.644	4.8
2.80	2.26	4.7	2.296129	0.098067	23.414	4.3
3.00	1.77	3.2	1.805797	0.12425	14.534	6.9
3.20	1.57	3.4	1.623197	0.12425	13.064	7.7
3.40	1.77	3.6	1.81933	0.130723	13.917	7.2
3.60	1.96	3.9	2.015463	0.169949	11.859	8.4
3.80	1.27	3.8	1.328997	0.169949	7.82	12.8
4.00	1.77	4.3	1.81933	0.196133	9.276	10.8
4.20	1.47	4.4	1.538663	0.189563	8.117	12.3
4.40	1.08	3.9	1.146397	0.169949	6.746	14.8
4.60	1.08	3.6	1.146397	0.17652	6.494	15.4
4.80	1.08	3.7	1.146397	0.150336	7.626	13.1
5.00	2.16	4.4	2.225129	0.23536	9.454	10.6
5.20	1.77	5.3	1.846396	0.23536	7.845	12.7
5.40	1.27	4.8	1.356064	0.18309	7.407	13.5
5.60	1.67	4.4	1.74833	0.163477	10.695	9.4
5.80	1.08	3.5	1.159931	0.18309	6.335	15.8
6.00	1.57	4.3	1.650263	0.163477	10.095	9.9
6.20	1.77	4.2	1.859929	0.215746	8.621	11.6
6.40	1.67	4.9	1.761863	0.196133	8.983	11.1
6.60	1.37	4.3	1.467663	0.196133	7.483	13.4
6.80	1.37	4.3	1.467663	0.209176	7.016	14.3
7.00	1.47	4.6	1.56573	0.215746	7.257	13.8
7.20	1.08	4.3	1.186997	0.17652	6.724	14.9
7.40	1.27	3.9	1.38313	0.17652	7.836	12.8
7.60	1.18	3.8	1.285063	0.18309	7.019	14.2
7.80	1.27	4.0	1.38313	0.150336	9.2	10.9
8.00	1.37	3.6	1.481196	0.143864	10.296	9.7
8.20	1.08	3.2	1.20053	0.130723	9.184	10.9
8.40	2.06	4.0	2.181195	0.163477	13.343	7.5
8.60	3.14	5.6	3.259927	0.098067	33.242	3.0
8.80	3.82	5.3	3.946392	0.111109	35.518	2.8
9.00	4.02	5.7	4.142525	0.078453	52.803	1.9
9.20	2.55	3.7	2.685061	0.18309	14.665	6.8
9.40	0.88	3.6	1.01793	0.12425	8.193	12.2
9.60	0.98	2.8	1.115997	0.071883	15.525	6.4
9.80	1.86	2.9	1.998595	0.071915	27.791	3.6
10.00	2.16	3.2	2.157463	0.07355	29.333	3.4

Probe CPT - Cone Penetration TEST 199
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 15/09/2020



TEST 200

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 15/09/2020

Profondità prova: 12.00 mt

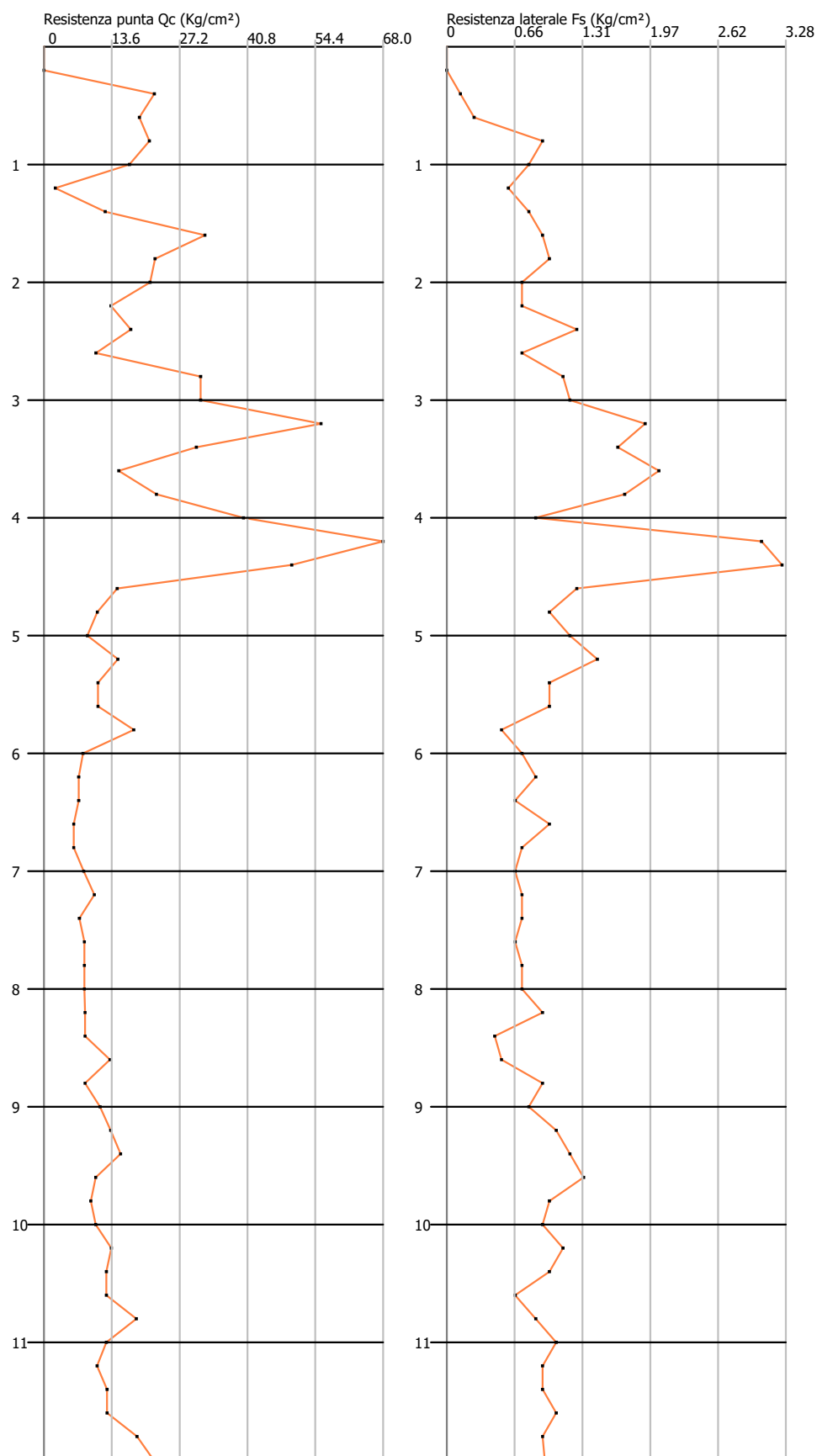
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.0	0.0		
0.40	2.16	3.0	2.170996	0.013043	166.451	0.6
0.60	1.86	2.1	1.876797	0.026184	71.678	1.4
0.80	2.06	2.5	2.07293	0.091496	22.656	4.4
1.00	1.67	3.0	1.680664	0.078453	21.423	4.7
1.20	0.20	1.4	0.223199	0.05884	3.793	26.4
1.40	1.18	2.1	1.203864	0.078453	15.345	6.5
1.60	3.14	4.3	3.165194	0.091496	34.594	2.9
1.80	2.16	3.5	2.184529	0.098067	22.276	4.5
2.00	2.06	3.5	2.086463	0.071883	29.026	3.4
2.20	1.27	2.4	1.315464	0.071883	18.3	5.5
2.40	1.67	2.7	1.70773	0.12425	13.744	7.3
2.60	0.98	2.8	1.021265	0.071883	14.207	7.0
2.80	3.04	4.1	3.080661	0.111109	27.726	3.6
3.00	3.04	4.7	3.080661	0.11768	26.178	3.8
3.20	5.39	7.2	5.44779	0.189563	28.739	3.5
3.40	2.94	5.8	2.996128	0.163444	18.331	5.5
3.60	1.47	3.9	1.470998	0.202703	7.257	13.8
3.80	2.16	5.2	2.211596	0.169982	13.011	7.7
4.00	3.92	6.5	3.92266	0.084991	46.154	2.2
4.20	6.67	7.9	6.668522	0.30077	22.172	4.5
4.40	4.81	9.3	4.872924	0.320383	15.21	6.6
4.60	1.37	6.2	1.440597	0.12425	11.594	8.6
4.80	0.98	2.8	1.048331	0.098067	10.69	9.4
5.00	0.78	2.3	0.852198	0.11768	7.242	13.8
5.20	1.37	3.1	1.45413	0.143864	10.108	9.9
5.40	0.98	3.1	1.061864	0.098067	10.828	9.2
5.60	0.98	2.5	1.061864	0.098067	10.828	9.2
5.80	1.77	3.2	1.765197	0.052269	33.771	3.0
6.00	0.69	1.5	0.767665	0.071883	10.679	9.4
6.20	0.59	1.7	0.683131	0.085024	8.035	12.4
6.40	0.59	1.9	0.683131	0.06541	10.444	9.6
6.60	0.49	1.5	0.585065	0.098067	5.966	16.8
6.80	0.49	2.0	0.585065	0.071883	8.139	12.3
7.00	0.69	1.8	0.781198	0.06541	11.943	8.4
7.20	0.88	1.9	0.990864	0.071883	13.784	7.3
7.40	0.59	1.7	0.696664	0.071883	9.692	10.3
7.60	0.69	1.8	0.794731	0.06541	12.15	8.2
7.80	0.69	1.7	0.794731	0.071883	11.056	9.0
8.00	0.69	1.8	0.794731	0.071883	11.056	9.0
8.20	0.69	1.8	0.808264	0.091496	8.834	11.3
8.40	0.69	2.1	0.808264	0.045797	17.649	5.7
8.60	1.18	1.9	1.298597	0.052269	24.844	4.0
8.80	0.69	1.5	0.808264	0.091496	8.834	11.3
9.00	0.98	2.4	1.102464	0.078453	14.053	7.1
9.20	1.18	2.4	1.31213	0.104637	12.54	8.0
9.40	1.37	2.9	1.508263	0.11768	12.817	7.8
9.60	0.88	2.6	1.01793	0.130723	7.787	12.8
9.80	0.78	2.7	0.919864	0.098067	9.38	10.7
10.00	0.88	2.4	1.01793	0.091496	11.125	9.0
10.20	1.18	2.5	1.325663	0.111109	11.931	8.4
10.40	1.08	2.7	1.227596	0.098067	12.518	8.0
10.60	1.08	2.5	1.227596	0.06541	18.768	5.3
10.80	1.67	2.6	1.815995	0.085024	21.359	4.7
11.00	1.08	2.4	1.227596	0.104637	11.732	8.5
11.20	0.88	2.5	1.044997	0.091496	11.421	8.8

Probe CPT - Cone Penetration TEST 200
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 15/09/2020



11.40	1.08	2.5	1.24113	0.091496	13.565	7.4
11.60	1.08	2.5	1.24113	0.104637	11.861	8.4
11.80	1.67	3.2	1.829529	0.091529	19.989	5.0
12.00	2.16	3.5	2.157463	0.093704	23.024	4.3

TEST 201

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 16/09/2020

Profondità prova: 22.00 mt

Località: OSTIGLIA (MN)

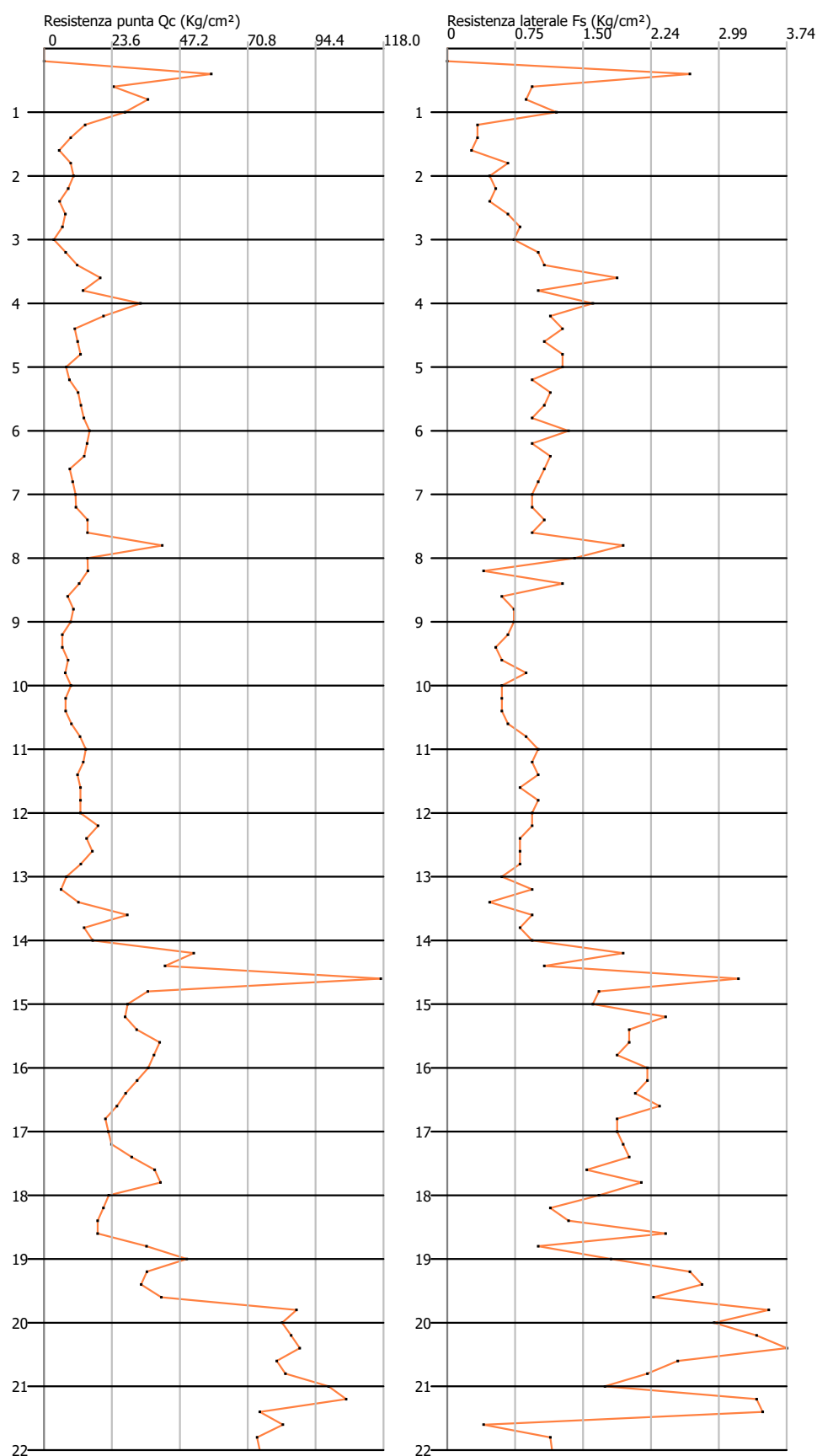
Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.0	0.0		
0.40	5.69	9.0	5.70139	0.261543	21.799	4.6
0.60	2.35	6.3	2.367129	0.091496	25.871	3.9
0.80	3.53	4.9	3.543927	0.085024	41.682	2.4
1.00	2.75	4.0	2.759395	0.11768	23.448	4.3
1.20	1.37	3.1	1.399997	0.032656	42.871	2.3
1.40	0.88	1.4	0.909665	0.032656	27.856	3.6
1.60	0.49	1.0	0.517399	0.026184	19.76	5.1
1.80	0.88	1.3	0.909665	0.06541	13.907	7.2
2.00	0.98	2.0	1.007731	0.045797	22.004	4.5
2.20	0.78	1.5	0.825132	0.052269	15.786	6.3
2.40	0.49	1.3	0.530932	0.045797	11.593	8.6
2.60	0.69	1.4	0.727065	0.06541	11.115	9.0
2.80	0.59	1.6	0.628999	0.078453	8.018	12.5
3.00	0.29	1.5	0.334799	0.071883	4.658	21.5
3.20	0.69	1.8	0.740598	0.098067	7.552	13.2
3.40	1.08	2.5	1.132864	0.104637	10.827	9.2
3.60	1.86	3.4	1.917396	0.18309	10.472	9.5
3.80	1.27	4.0	1.328997	0.098067	13.552	7.4
4.00	3.24	4.7	3.290327	0.156906	20.97	4.8
4.20	1.96	4.3	2.028996	0.111109	18.261	5.5
4.40	0.98	2.6	1.048331	0.12425	8.437	11.9
4.60	1.08	2.9	1.146397	0.104637	10.956	9.1
4.80	1.18	2.7	1.244464	0.12425	10.016	10.0
5.00	0.69	2.5	0.754131	0.12425	6.069	16.5
5.20	0.78	2.6	0.865731	0.091496	9.462	10.6
5.40	1.08	2.5	1.159931	0.111109	10.44	9.6
5.60	1.18	2.8	1.257997	0.104637	12.022	8.3
5.80	1.27	2.8	1.356064	0.091496	14.821	6.7
6.00	1.47	2.8	1.552197	0.130723	11.874	8.4
6.20	1.37	3.3	1.467663	0.091496	16.041	6.2
6.40	1.27	2.6	1.369597	0.111109	12.327	8.1
6.60	0.78	2.5	0.879264	0.104637	8.403	11.9
6.80	0.88	2.5	0.977331	0.098067	9.966	10.0
7.00	0.98	2.5	1.075397	0.091496	11.753	8.5
7.20	0.98	2.4	1.08893	0.091496	11.901	8.4
7.40	1.37	2.7	1.481196	0.104637	14.156	7.1
7.60	1.37	2.9	1.481196	0.091496	16.189	6.2
7.80	3.92	5.3	4.030925	0.189563	21.264	4.7
8.00	1.37	4.2	1.481196	0.137293	10.789	9.3
8.20	1.37	3.4	1.49473	0.039227	38.105	2.6
8.40	1.08	1.7	1.20053	0.12425	9.662	10.3
8.60	0.69	2.5	0.808264	0.05884	13.737	7.3
8.80	0.88	1.8	1.004397	0.071883	13.973	7.2
9.00	0.78	1.9	0.906331	0.071883	12.608	7.9
9.20	0.49	1.6	0.625664	0.06541	9.565	10.5
9.40	0.49	1.5	0.625664	0.052269	11.97	8.4
9.60	0.69	1.5	0.821797	0.05884	13.967	7.2

9.80	0.59	1.5	0.723731	0.085024	8.512	11.7
10.00	0.78	2.1	0.919864	0.05884	15.633	6.4
10.20	0.59	1.5	0.737264	0.05884	12.53	8.0
10.40	0.59	1.5	0.737264	0.05884	12.53	8.0
10.60	0.78	1.7	0.933397	0.06541	14.27	7.0
10.80	1.08	2.1	1.227596	0.085024	14.438	6.9
11.00	1.27	2.5	1.423729	0.098067	14.518	6.9
11.20	1.18	2.6	1.339196	0.091496	14.637	6.8
11.40	0.98	2.4	1.143063	0.098067	11.656	8.6
11.60	1.08	2.5	1.24113	0.078453	15.82	6.3
11.80	1.08	2.3	1.24113	0.098067	12.656	7.9
12.00	1.08	2.5	1.24113	0.091496	13.565	7.4
12.20	1.67	3.0	1.843062	0.091496	20.144	5.0
12.40	1.27	2.6	1.450796	0.078453	18.493	5.4
12.60	1.47	2.6	1.646929	0.078453	20.993	4.8
12.80	1.08	2.3	1.254663	0.078453	15.993	6.3
13.00	0.59	1.8	0.76433	0.05884	12.99	7.7
13.20	0.39	1.3	0.58173	0.091496	6.358	15.7
13.40	0.98	2.4	1.170129	0.045797	25.55	3.9
13.60	2.65	3.3	2.83726	0.091496	31.01	3.2
13.80	1.18	2.5	1.366262	0.078453	17.415	5.7
14.00	1.47	2.6	1.660462	0.091496	18.148	5.5
14.20	4.90	6.3	5.106323	0.189563	26.937	3.7
14.40	3.92	6.8	4.125658	0.104637	39.428	2.5
14.60	11.28	12.8	11.480645	0.313813	36.584	2.7
14.80	3.33	8.0	3.537259	0.163477	21.638	4.6
15.00	2.65	5.1	2.850793	0.156906	18.169	5.5
15.20	2.55	4.9	2.76626	0.23536	11.753	8.5
15.40	2.94	6.5	3.158526	0.196133	16.104	6.2
15.60	3.73	6.7	3.943058	0.196133	20.104	5.0
15.80	3.53	6.5	3.746925	0.18309	20.465	4.9
16.00	3.33	6.1	3.550792	0.215746	16.458	6.1
16.20	2.94	6.2	3.172059	0.215746	14.703	6.8
16.40	2.55	5.8	2.779793	0.202703	13.714	7.3
16.60	2.26	5.3	2.485594	0.228789	10.864	9.2
16.80	1.86	5.3	2.093328	0.18309	11.433	8.7
17.00	1.96	4.7	2.191394	0.18309	11.969	8.4
17.20	2.06	4.8	2.302994	0.189563	12.149	8.2
17.40	2.75	5.6	2.989459	0.196133	15.242	6.6
17.60	3.53	6.5	3.773991	0.150336	25.104	4.0
17.80	3.73	6.0	3.970124	0.209176	18.98	5.3
18.00	1.96	5.1	2.204927	0.163477	13.488	7.4
18.20	1.77	4.2	2.022327	0.111109	18.201	5.5
18.40	1.57	3.2	1.826194	0.130723	13.97	7.2
18.60	1.57	3.5	1.826194	0.23536	7.759	12.9
18.80	3.24	6.8	3.493325	0.098067	35.622	2.8
19.00	4.61	6.1	4.866256	0.17652	27.568	3.6
19.20	3.24	5.9	3.506858	0.261543	13.408	7.5
19.40	3.04	7.0	3.310725	0.274586	12.057	8.3
19.60	3.73	7.8	3.997191	0.222317	17.98	5.6
19.80	8.34	11.7	8.606316	0.346469	24.84	4.0
20.00	7.85	13.0	8.115984	0.287629	28.217	3.5
20.20	8.14	12.5	8.423716	0.333426	25.264	4.0
20.40	8.43	13.4	8.717916	0.366082	23.814	4.2
20.60	7.65	13.1	7.933384	0.248402	31.938	3.1
20.80	7.94	11.7	8.227583	0.215746	38.135	2.6
21.00	9.41	12.7	9.698581	0.169949	57.068	1.8
21.20	10.00	12.6	10.300513	0.333426	30.893	3.2
21.40	7.06	12.1	7.358518	0.339997	21.643	4.6
21.60	7.85	12.9	8.14305	0.039227	207.59	0.5
21.80	6.96	7.6	7.260451	0.111142	65.326	1.5
22.00	7.35	9.0	7.354988	0.112957	65.113	1.5

Probe CPT - Cone Penetration TEST 201
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 16/09/2020



TEST 202

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 16/09/2020

Profondità prova: 9.00 mt

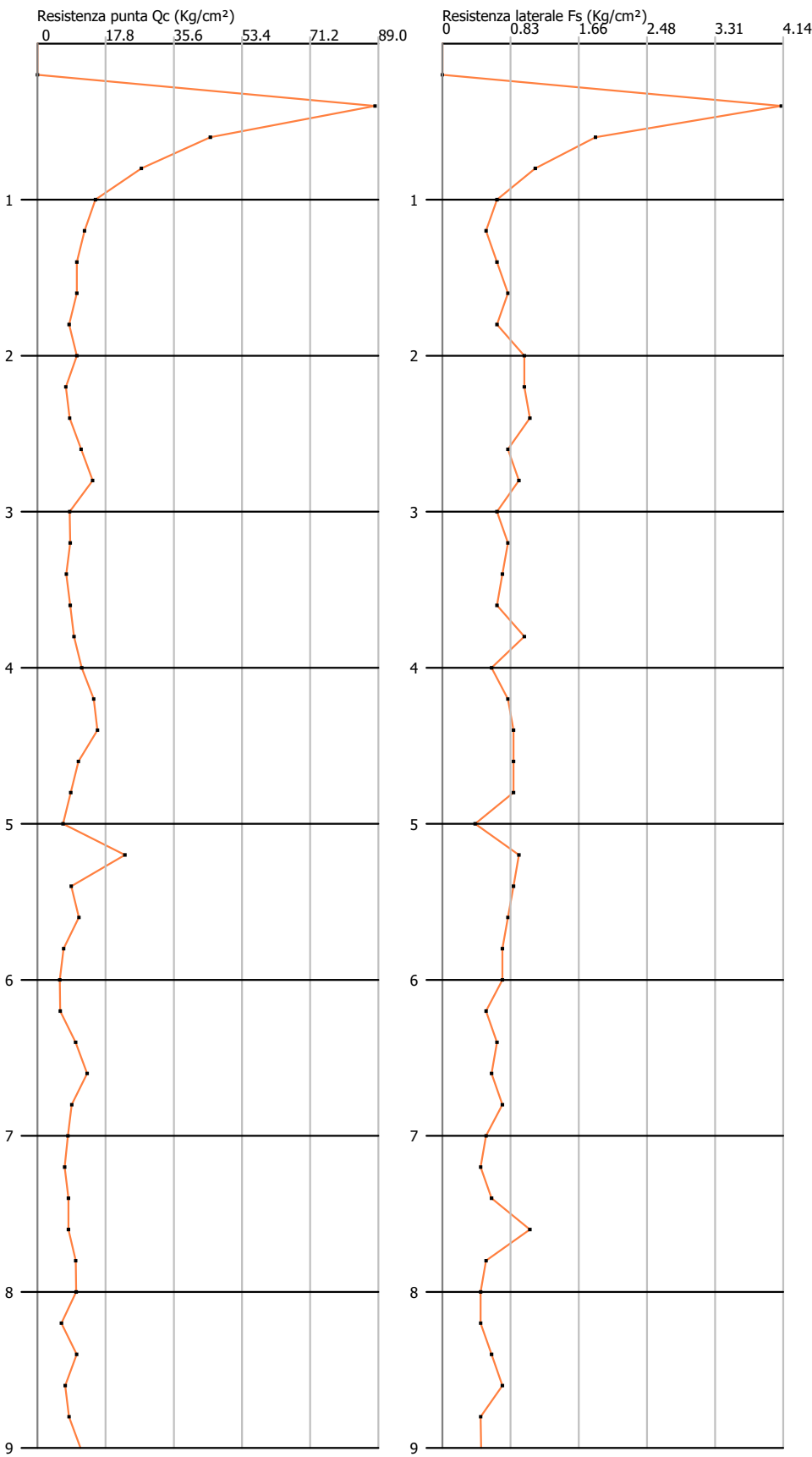
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.0	0.0		
0.40	8.63	11.4	8.643385	0.405309	21.325	4.7
0.60	4.41	10.5	4.426526	0.18309	24.177	4.1
0.80	2.65	5.4	2.661329	0.111109	23.952	4.2
1.00	1.47	3.1	1.484531	0.06541	22.696	4.4
1.20	1.18	2.2	1.203864	0.052269	23.032	4.3
1.40	0.98	1.8	1.007731	0.06541	15.406	6.5
1.60	0.98	2.0	1.007731	0.078453	12.845	7.8
1.80	0.78	2.0	0.811598	0.06541	12.408	8.1
2.00	0.98	2.0	1.007731	0.098067	10.276	9.7
2.20	0.69	2.2	0.727065	0.098067	7.414	13.5
2.40	0.78	2.3	0.825132	0.104637	7.886	12.7
2.60	1.08	2.6	1.119331	0.078453	14.268	7.0
2.80	1.37	2.5	1.413531	0.091496	15.449	6.5
3.00	0.78	2.2	0.825132	0.06541	12.615	7.9
3.20	0.78	1.8	0.838665	0.078453	10.69	9.4
3.40	0.69	1.9	0.740598	0.071883	10.303	9.7
3.60	0.78	1.9	0.838665	0.06541	12.822	7.8
3.80	0.88	1.9	0.936731	0.098067	9.552	10.5
4.00	1.08	2.5	1.132864	0.05884	19.253	5.2
4.20	1.37	2.3	1.440597	0.078453	18.363	5.4
4.40	1.47	2.6	1.538663	0.085024	18.097	5.5
4.60	0.98	2.3	1.048331	0.085024	12.33	8.1
4.80	0.78	2.1	0.852198	0.085024	10.023	10.0
5.00	0.59	1.9	0.656065	0.039227	16.725	6.0
5.20	2.16	2.7	2.238662	0.091496	24.467	4.1
5.40	0.78	2.2	0.865731	0.085024	10.182	9.8
5.60	0.98	2.3	1.061864	0.078453	13.535	7.4
5.80	0.59	1.8	0.669598	0.071883	9.315	10.7
6.00	0.49	1.6	0.571532	0.071883	7.951	12.6
6.20	0.49	1.6	0.585065	0.052269	11.193	8.9
6.40	0.88	1.7	0.977331	0.06541	14.942	6.7
6.60	1.18	2.2	1.27153	0.05884	21.61	4.6
6.80	0.78	1.7	0.879264	0.071883	12.232	8.2
7.00	0.69	1.8	0.781198	0.052269	14.946	6.7
7.20	0.59	1.4	0.696664	0.045797	15.212	6.6
7.40	0.69	1.4	0.794731	0.05884	13.507	7.4
7.60	0.69	1.6	0.794731	0.104604	7.597	13.2
7.80	0.98	2.5	0.980665	0.052269	18.762	5.3
8.00	0.88	1.7	0.990864	0.045797	21.636	4.6
8.20	0.49	1.2	0.612131	0.045797	13.366	7.5
8.40	0.88	1.6	1.004397	0.05884	17.07	5.9
8.60	0.59	1.5	0.710198	0.071883	9.88	10.1
8.80	0.69	1.8	0.808264	0.045797	17.649	5.7
9.00	0.98	1.7	1.102464	0.046297	23.813	4.2

Probe CPT - Cone Penetration TEST 202
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 16/09/2020



TEST 203

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 16/09/2020

Profondità prova: 9.40 mt

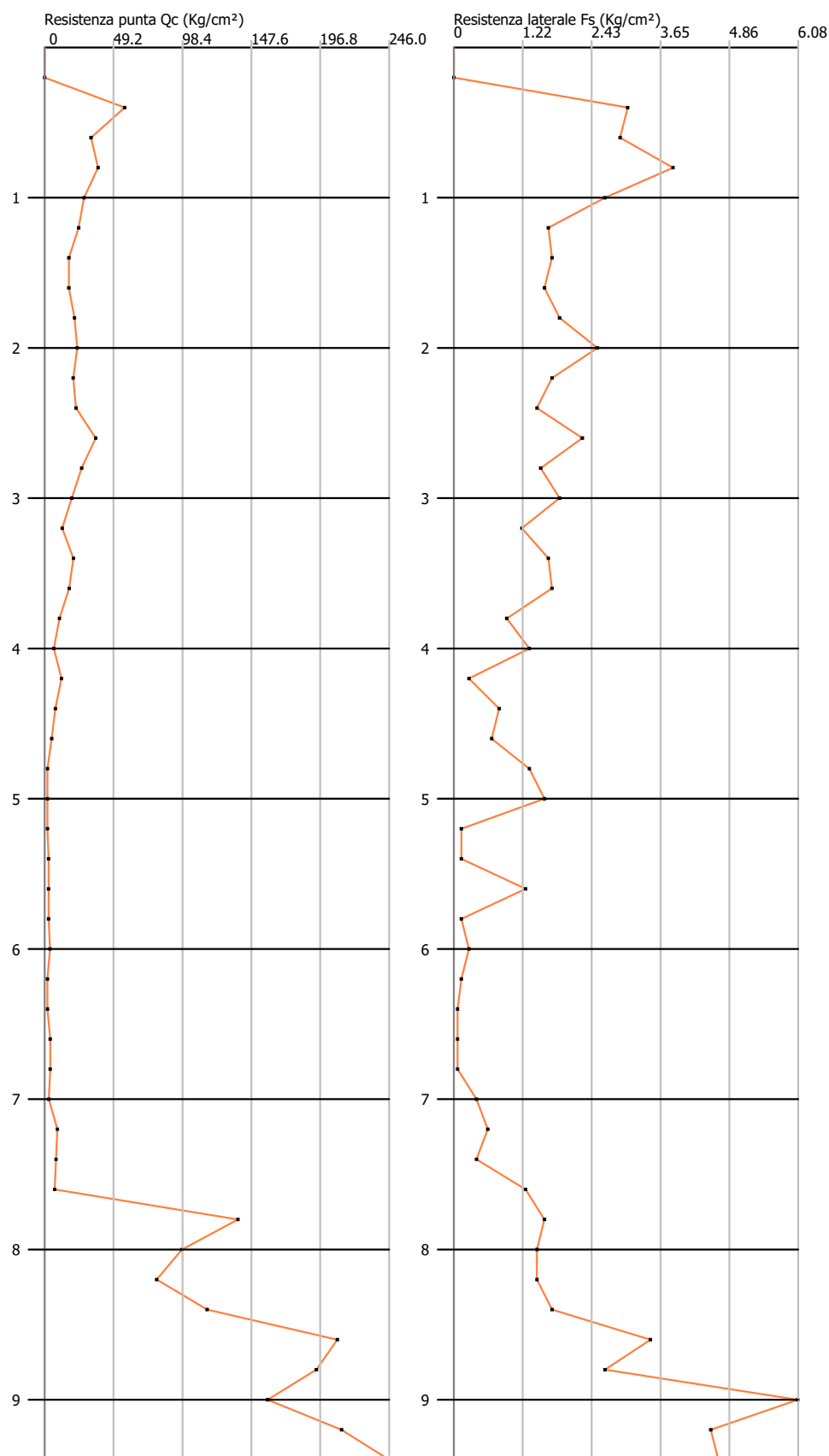
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.0	0.0		
0.40	5.59	7.3	5.603324	0.30077	18.63	5.4
0.60	3.24	7.7	3.249728	0.287629	11.298	8.9
0.80	3.73	8.0	3.74006	0.379223	9.862	10.1
1.00	2.75	8.4	2.759395	0.261543	10.55	9.5
1.20	2.35	6.3	2.380662	0.163477	14.563	6.9
1.40	1.67	4.1	1.694197	0.169949	9.969	10.0
1.60	1.67	4.2	1.694197	0.156906	10.798	9.3
1.80	2.06	4.4	2.086463	0.18309	11.396	8.8
2.00	2.26	5.0	2.282596	0.248402	9.189	10.9
2.20	1.96	5.7	2.00193	0.169949	11.78	8.5
2.40	2.16	4.7	2.198063	0.143864	15.279	6.5
2.60	3.53	5.7	3.570994	0.222317	16.063	6.2
2.80	2.55	5.9	2.590329	0.150336	17.23	5.8
3.00	1.86	4.1	1.903863	0.18309	10.399	9.6
3.20	1.18	3.9	1.230931	0.11768	10.46	9.6
3.40	1.96	3.7	2.015463	0.163477	12.329	8.1
3.60	1.67	4.1	1.721263	0.169949	10.128	9.9
3.80	0.98	3.5	1.034798	0.091496	11.31	8.8
4.00	0.59	2.0	0.642532	0.130755	4.914	20.4
4.20	1.18	3.1	1.176798	0.026184	44.944	2.2
4.40	0.69	1.1	0.754131	0.078453	9.613	10.4
4.60	0.49	1.7	0.490333	0.065378	7.5	13.3
4.80	0.20	1.2	0.196133	0.130755	1.5	66.7
5.00	0.20	2.2	0.196133	0.156906	1.25	80.0
5.20	0.20	2.5	0.196133	0.013043	15.038	6.7
5.40	0.20	0.4	0.277332	0.013043	21.263	4.7
5.60	0.20	0.4	0.277332	0.12425	2.232	44.8
5.80	0.20	2.1	0.277332	0.013043	21.263	4.7
6.00	0.29	0.5	0.375399	0.026184	14.337	7.0
6.20	0.10	0.5	0.192799	0.013076	14.745	6.8
6.40	0.20	0.4	0.196133	0.00657	29.851	3.4
6.60	0.29	0.4	0.388932	0.00657	59.194	1.7
6.80	0.29	0.4	0.388932	0.00657	59.194	1.7
7.00	0.20	0.3	0.290865	0.039227	7.415	13.5
7.20	0.78	1.4	0.892797	0.05884	15.173	6.6
7.40	0.69	1.6	0.794731	0.039227	20.26	4.9
7.60	0.59	1.2	0.696664	0.124218	5.608	17.8
7.80	13.53	15.4	13.533177	0.156906	86.25	1.2
8.00	9.61	12.0	9.610517	0.143831	66.818	1.5
8.20	7.85	10.0	7.84532	0.143831	54.545	1.8
8.40	11.38	13.5	11.375714	0.169982	66.923	1.5
8.60	20.50	23.0	20.495899	0.339964	60.288	1.7
8.80	19.02	24.1	19.024901	0.261543	72.741	1.4
9.00	15.49	19.4	15.616306	0.594937	26.249	3.8
9.20	20.79	29.7	20.790098	0.444568	46.765	2.1
9.40	24.12	30.8	24.124359	0.45748	52.733	1.9

Probe CPT - Cone Penetration TEST 203
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 16/09/2020



TEST 204

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 17/09/2020

Profondità prova: 19.00 mt

Località: OSTIGLIA (MN)

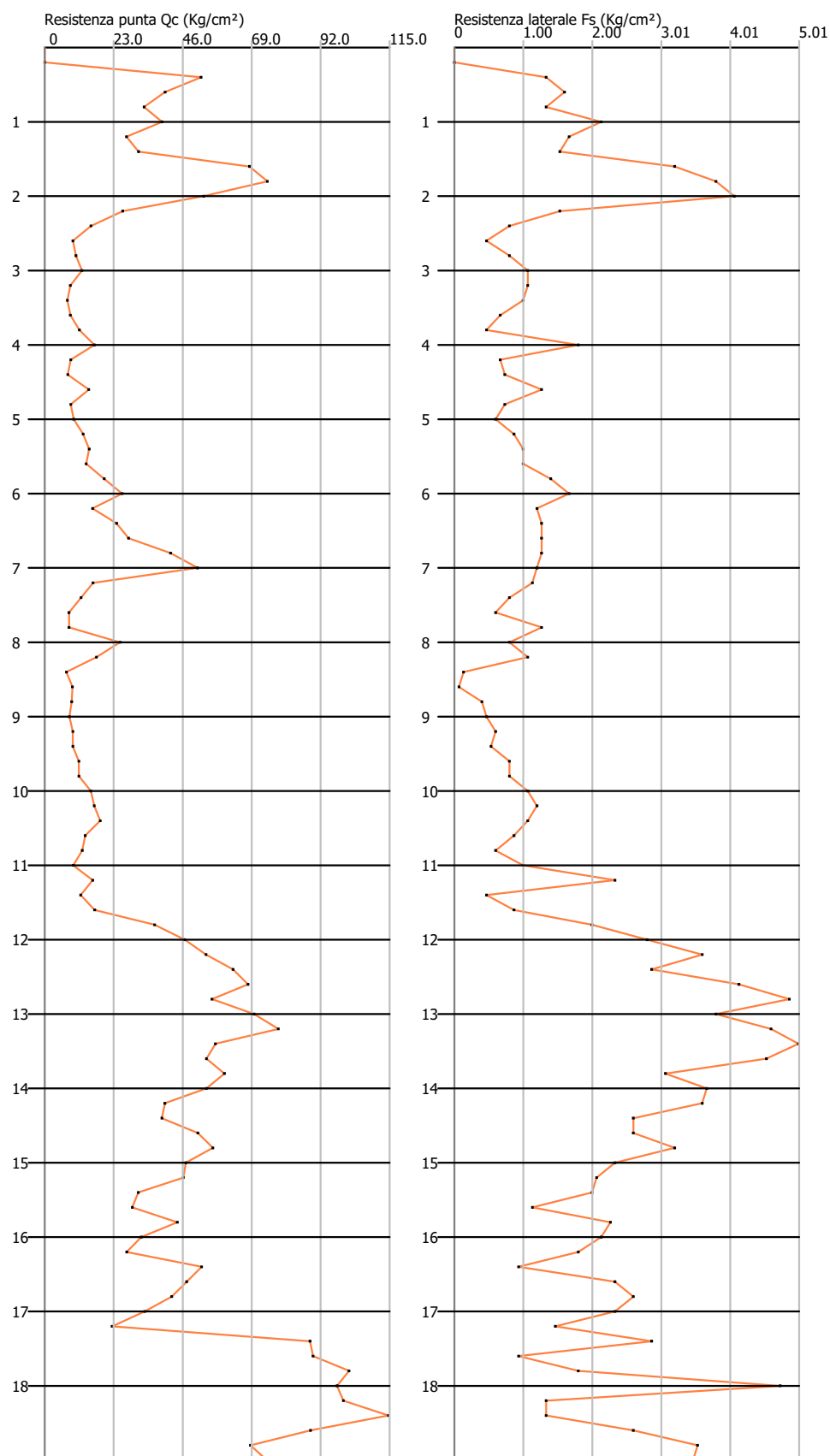
Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.0	0.0		
0.40	5.10	7.1	5.112991	0.130723	39.113	2.6
0.60	3.92	5.9	3.936193	0.156906	25.086	4.0
0.80	3.24	5.6	3.249728	0.130723	24.86	4.0
1.00	3.82	5.8	3.838127	0.209176	18.349	5.4
1.20	2.65	5.8	2.674862	0.163477	16.362	6.1
1.40	3.04	5.5	3.067128	0.150336	20.402	4.9
1.60	6.67	8.9	6.695588	0.313813	21.336	4.7
1.80	7.26	12.0	7.283987	0.372653	19.546	5.1
2.00	5.20	10.8	5.197525	0.398804	13.033	7.7
2.20	2.55	8.5	2.549729	0.150336	16.96	5.9
2.40	1.47	3.7	1.511597	0.078453	19.268	5.2
2.60	0.88	2.1	0.923198	0.045797	20.158	5.0
2.80	0.98	1.7	1.021265	0.078453	13.018	7.7
3.00	1.18	2.4	1.217398	0.104637	11.634	8.6
3.20	0.78	2.4	0.838665	0.104637	8.015	12.5
3.40	0.69	2.3	0.740598	0.098067	7.552	13.2
3.60	0.78	2.3	0.838665	0.06541	12.822	7.8
3.80	1.08	2.1	1.132864	0.045797	24.737	4.0
4.00	1.57	2.3	1.623197	0.17652	9.196	10.9
4.20	0.78	3.4	0.852198	0.06541	13.028	7.7
4.40	0.69	1.7	0.754131	0.071883	10.491	9.5
4.60	1.37	2.5	1.440597	0.12425	11.594	8.6
4.80	0.78	2.6	0.852198	0.071883	11.855	8.4
5.00	0.88	2.0	0.950264	0.05884	16.15	6.2
5.20	1.18	2.1	1.257997	0.085024	14.796	6.8
5.40	1.37	2.6	1.45413	0.098067	14.828	6.7
5.60	1.27	2.7	1.356064	0.098067	13.828	7.2
5.80	1.86	3.3	1.944463	0.137293	14.163	7.1
6.00	2.45	4.5	2.532862	0.163477	15.494	6.5
6.20	1.47	3.9	1.56573	0.11768	13.305	7.5
6.40	2.26	4.0	2.350262	0.12425	18.916	5.3
6.60	2.65	4.5	2.742528	0.12425	22.073	4.5
6.80	4.02	5.9	4.115459	0.12425	33.122	3.0
7.00	4.90	6.8	4.998057	0.11768	42.472	2.4
7.20	1.47	3.2	1.579263	0.111109	14.214	7.0
7.40	1.08	2.7	1.186997	0.078453	15.13	6.6
7.60	0.69	1.9	0.794731	0.05884	13.507	7.4
7.80	0.69	1.6	0.794731	0.12425	6.396	15.6
8.00	2.35	4.2	2.461861	0.078453	31.38	3.2
8.20	1.57	2.7	1.690863	0.104637	16.159	6.2
8.40	0.59	2.2	0.710198	0.013043	54.451	1.8
8.60	0.78	1.0	0.906331	0.006538	138.629	0.7
8.80	0.88	1.0	0.882599	0.039227	22.5	4.4
9.00	0.69	1.3	0.808264	0.045797	17.649	5.7
9.20	0.78	1.5	0.919864	0.05884	15.633	6.4
9.40	0.78	1.7	0.919864	0.052269	17.598	5.7
9.60	0.98	1.8	1.115997	0.078453	14.225	7.0
9.80	0.98	2.2	1.115997	0.078453	14.225	7.0
10.00	1.37	2.5	1.508263	0.104637	14.414	6.9
10.20	1.47	3.0	1.619862	0.11768	13.765	7.3
10.40	1.67	3.4	1.815995	0.104637	17.355	5.8
10.60	1.18	2.7	1.325663	0.085024	15.592	6.4
10.80	1.08	2.4	1.227596	0.05884	20.863	4.8
11.00	0.78	1.7	0.933397	0.098067	9.518	10.5
11.20	1.57	3.0	1.569064	0.228822	6.857	14.6

11.40	1.18	4.6	1.176798	0.045797	25.696	3.9
11.60	1.47	2.2	1.633396	0.085024	19.211	5.2
11.80	3.43	4.7	3.594726	0.196133	18.328	5.5
12.00	4.41	7.4	4.575391	0.274586	16.663	6.0
12.20	5.10	9.2	5.275389	0.353039	14.943	6.7
12.40	5.98	11.3	6.157988	0.281157	21.902	4.6
12.60	6.47	10.7	6.64832	0.405309	16.403	6.1
12.80	5.30	11.4	5.471522	0.47729	11.464	8.7
13.00	6.67	13.8	6.844453	0.372653	18.367	5.4
13.20	7.45	13.0	7.642519	0.451106	16.942	5.9
13.40	5.39	12.2	5.583122	0.490333	11.386	8.8
13.60	5.10	12.5	5.288923	0.444535	11.898	8.4
13.80	5.69	12.4	5.877322	0.30077	19.541	5.1
14.00	5.10	9.6	5.288923	0.35961	14.707	6.8
14.20	3.73	9.1	3.929525	0.353039	11.131	9.0
14.40	3.63	8.9	3.831458	0.254973	15.027	6.7
14.60	4.81	8.6	5.008256	0.254973	19.642	5.1
14.80	5.30	9.1	5.498589	0.313813	17.522	5.7
15.00	4.41	9.1	4.61599	0.228789	20.176	5.0
15.20	4.31	7.7	4.531457	0.202703	22.355	4.5
15.40	2.84	5.9	3.060459	0.196133	15.604	6.4
15.60	2.65	5.6	2.864326	0.111109	25.779	3.9
15.80	4.12	5.8	4.335324	0.222317	19.501	5.1
16.00	2.94	6.3	3.158526	0.209176	15.1	6.6
16.20	2.45	5.6	2.681727	0.17652	15.192	6.6
16.40	4.90	7.6	5.133389	0.091496	56.105	1.8
16.60	4.41	5.8	4.643057	0.228789	20.294	4.9
16.80	3.92	7.4	4.152724	0.254973	16.287	6.1
17.00	3.04	6.9	3.270126	0.228789	14.293	7.0
17.20	1.96	5.4	2.204927	0.143864	15.327	6.5
17.40	8.43	10.6	8.677316	0.281157	30.863	3.2
17.60	8.53	12.7	8.775383	0.091496	95.91	1.0
17.80	9.71	11.1	9.952181	0.17652	56.38	1.8
18.00	9.32	12.0	9.559915	0.464149	20.597	4.9
18.20	9.51	16.5	9.769581	0.130723	74.735	1.3
18.40	10.98	12.9	11.240579	0.130723	85.988	1.2
18.60	8.43	10.4	8.690849	0.254973	34.085	2.9
18.80	6.47	10.3	6.729519	0.346502	19.421	5.1
19.00	7.26	12.5	7.256921	0.339842	21.354	4.7

Probe CPT - Cone Penetration TEST 204
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 17/09/2020



TEST 205

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 17/09/2020

Profondità prova: 16.00 mt

Località: OSTIGLIA (MN)

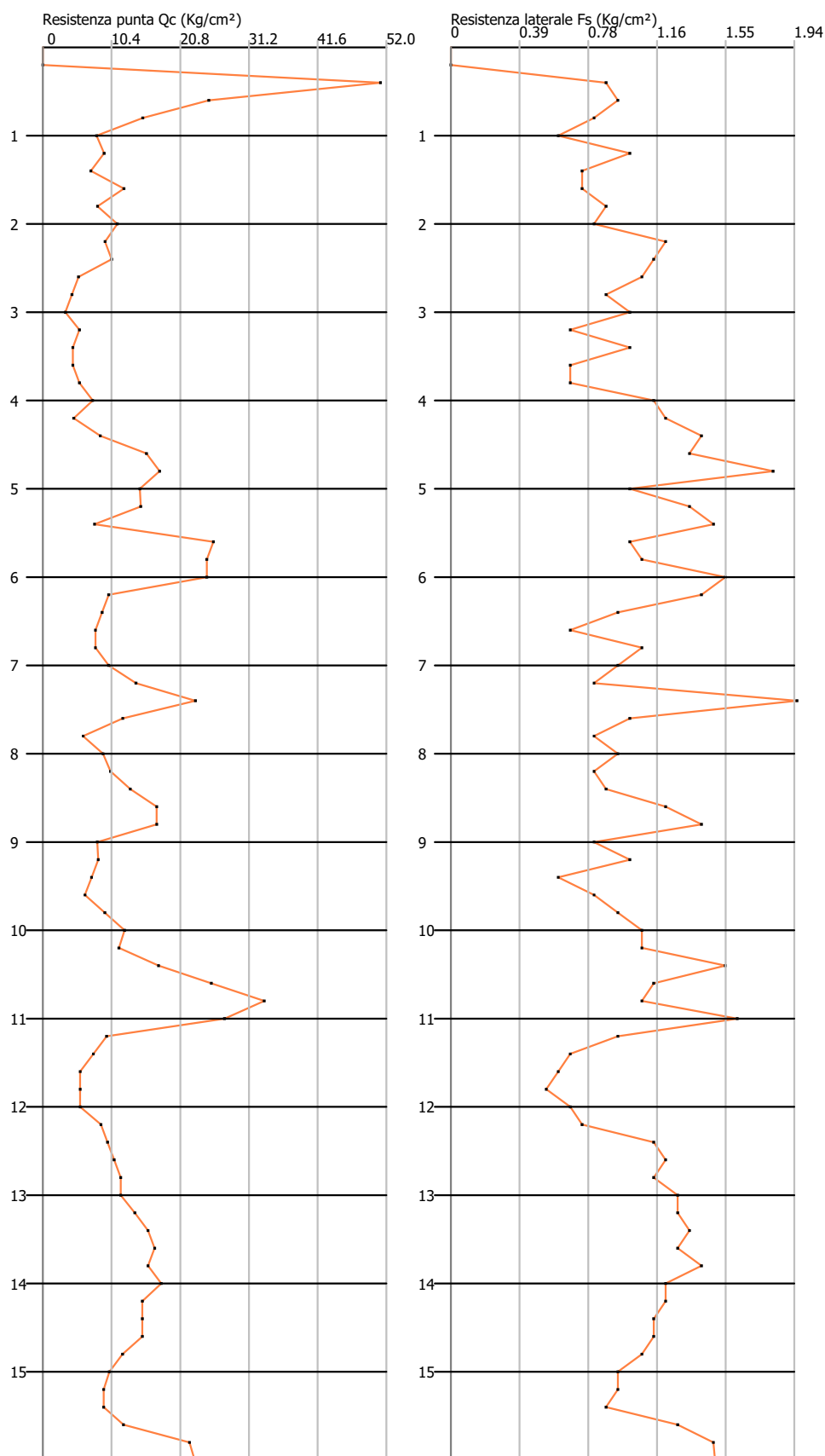
Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.0	0.0		
0.40	5.00	6.8	5.014925	0.085024	58.983	1.7
0.60	2.45	3.7	2.465196	0.091496	26.943	3.7
0.80	1.47	2.8	1.484531	0.078453	18.923	5.3
1.00	0.78	2.0	0.798065	0.05884	13.563	7.4
1.20	0.88	1.8	0.909665	0.098067	9.276	10.8
1.40	0.69	2.2	0.713532	0.071883	9.926	10.1
1.60	1.18	2.3	1.203864	0.071883	16.748	6.0
1.80	0.78	1.9	0.811598	0.085024	9.546	10.5
2.00	1.08	2.4	1.105798	0.078453	14.095	7.1
2.20	0.88	2.1	0.923198	0.11768	7.845	12.7
2.40	0.98	2.7	1.021265	0.111109	9.192	10.9
2.60	0.49	2.2	0.530932	0.104637	5.074	19.7
2.80	0.39	2.0	0.432866	0.085024	5.091	19.6
3.00	0.29	1.6	0.334799	0.098067	3.414	29.3
3.20	0.49	2.0	0.544465	0.06541	8.324	12.0
3.40	0.39	1.4	0.446399	0.098067	4.552	22.0
3.60	0.39	1.9	0.446399	0.06541	6.825	14.7
3.80	0.49	1.5	0.544465	0.06541	8.324	12.0
4.00	0.69	1.7	0.740598	0.111109	6.665	15.0
4.20	0.39	2.1	0.459932	0.11768	3.908	25.6
4.40	0.78	2.5	0.852198	0.137293	6.207	16.1
4.60	1.47	3.5	1.538663	0.130723	11.77	8.5
4.80	1.67	3.6	1.734796	0.17652	9.828	10.2
5.00	1.37	4.0	1.440597	0.098067	14.69	6.8
5.20	1.37	2.8	1.45413	0.130723	11.124	9.0
5.40	0.69	2.6	0.767665	0.143864	5.336	18.7
5.60	2.45	4.6	2.532862	0.098067	25.828	3.9
5.80	2.35	3.8	2.434795	0.104637	23.269	4.3
6.00	2.35	3.9	2.434795	0.150336	16.196	6.2
6.20	0.88	3.1	0.977331	0.137293	7.119	14.0
6.40	0.78	2.8	0.879264	0.091496	9.61	10.4
6.60	0.69	2.1	0.781198	0.06541	11.943	8.4
6.80	0.69	1.7	0.781198	0.104637	7.466	13.4
7.00	0.88	2.5	0.977331	0.091496	10.682	9.4
7.20	1.27	2.6	1.38313	0.078453	17.63	5.7
7.40	2.16	3.3	2.265728	0.189563	11.952	8.4
7.60	1.08	3.9	1.186997	0.098067	12.104	8.3
7.80	0.49	2.0	0.598598	0.078453	7.63	13.1
8.00	0.78	2.0	0.892797	0.091496	9.758	10.2
8.20	0.88	2.3	1.004397	0.078453	12.803	7.8
8.40	1.18	2.4	1.298597	0.085024	15.273	6.5
8.60	1.57	2.8	1.690863	0.11768	14.368	7.0
8.80	1.57	3.3	1.690863	0.137293	12.316	8.1
9.00	0.69	2.7	0.808264	0.078453	10.303	9.7
9.20	0.69	1.9	0.821797	0.098067	8.38	11.9
9.40	0.59	2.1	0.723731	0.05884	12.3	8.1
9.60	0.49	1.4	0.625664	0.078453	7.975	12.5
9.80	0.78	2.0	0.919864	0.091496	10.054	9.9
10.00	1.08	2.5	1.214063	0.104637	11.603	8.6
10.20	0.98	2.5	1.12953	0.104637	10.795	9.3
10.40	1.57	3.1	1.717929	0.150336	11.427	8.8
10.60	2.35	4.6	2.502461	0.111109	22.523	4.4
10.80	3.14	4.8	3.286993	0.104637	31.413	3.2
11.00	2.55	4.1	2.698594	0.156906	17.199	5.8
11.20	0.78	3.1	0.94693	0.091496	10.349	9.7

11.40	0.59	2.0	0.750797	0.06541	11.478	8.7
11.60	0.39	1.4	0.554664	0.05884	9.427	10.6
11.80	0.39	1.3	0.554664	0.052269	10.612	9.4
12.00	0.39	1.2	0.554664	0.06541	8.48	11.8
12.20	0.69	1.7	0.862397	0.071883	11.997	8.3
12.40	0.78	1.9	0.960463	0.111109	8.644	11.6
12.60	0.88	2.5	1.05853	0.11768	8.995	11.1
12.80	0.98	2.7	1.156596	0.111109	10.41	9.6
13.00	0.98	2.6	1.156596	0.12425	9.309	10.7
13.20	1.18	3.0	1.366262	0.12425	10.996	9.1
13.40	1.37	3.2	1.562395	0.130723	11.952	8.4
13.60	1.47	3.4	1.660462	0.12425	13.364	7.5
13.80	1.37	3.2	1.562395	0.137293	11.38	8.8
14.00	1.57	3.6	1.758529	0.11768	14.943	6.7
14.20	1.27	3.0	1.477862	0.11768	12.558	8.0
14.40	1.27	3.0	1.477862	0.111109	13.301	7.5
14.60	1.27	2.9	1.477862	0.111109	13.301	7.5
14.80	0.98	2.6	1.183663	0.104637	11.312	8.8
15.00	0.78	2.4	0.98753	0.091496	10.793	9.3
15.20	0.69	2.1	0.902996	0.091496	9.869	10.1
15.40	0.69	2.1	0.902996	0.085024	10.621	9.4
15.60	0.98	2.3	1.197196	0.12425	9.635	10.4
15.80	1.96	3.8	2.177861	0.143831	15.142	6.6
16.00	2.26	4.4	2.25553	0.144668	15.591	6.4

Probe CPT - Cone Penetration TEST 205
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 17/09/2020



TEST 208

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 17/09/2020

Profondità prova: 16.00 mt

Località: OSTIGLIA (MN)

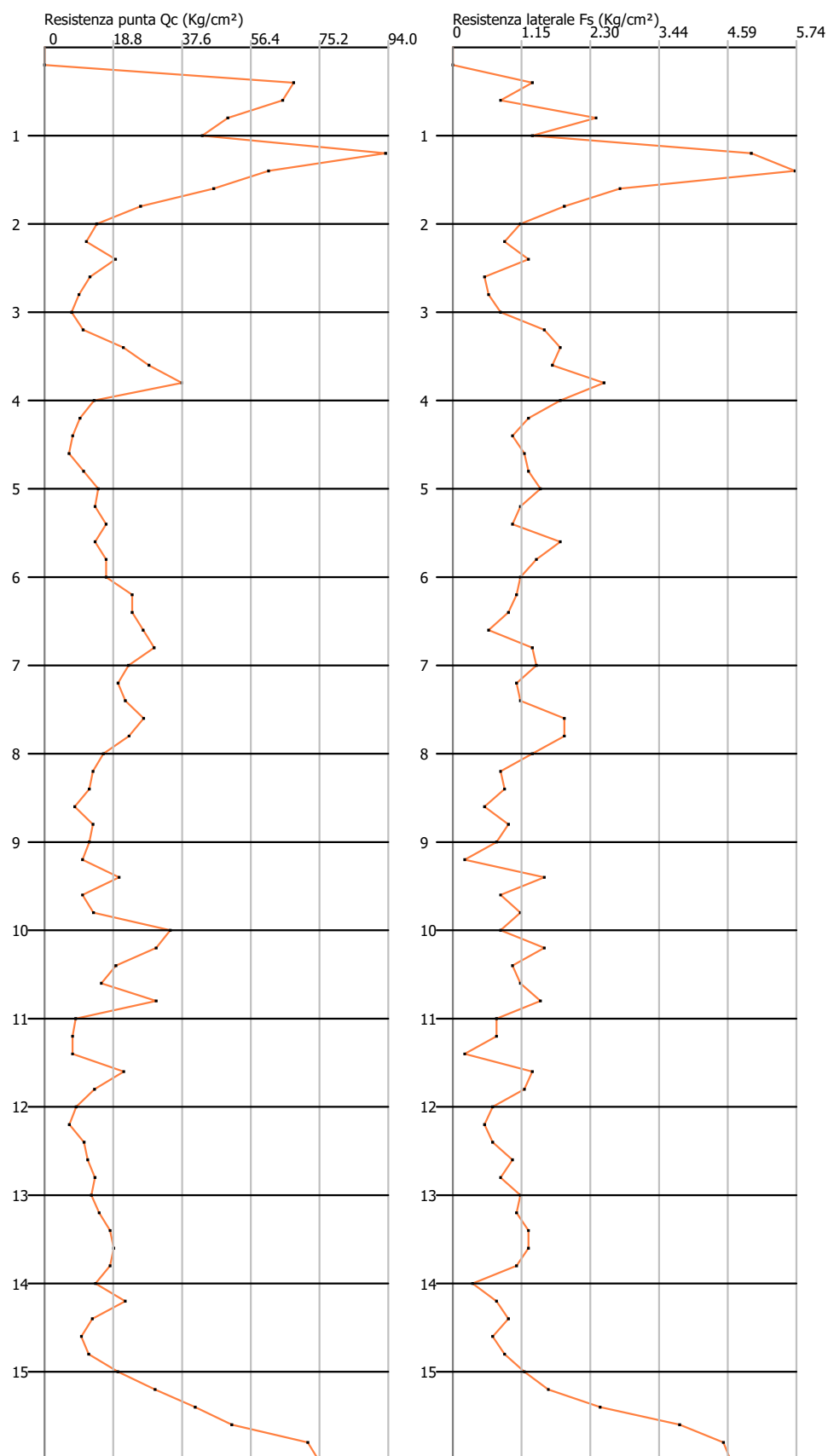
Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.0	0.0		
0.40	6.67	7.1	6.682055	0.130723	51.116	2.0
0.60	6.37	8.3	6.387856	0.078453	81.423	1.2
0.80	4.90	6.1	4.916858	0.23536	20.891	4.8
1.00	4.22	7.7	4.230393	0.130723	32.362	3.1
1.20	9.12	11.1	9.147251	0.490333	18.655	5.4
1.40	5.98	13.3	6.009123	0.562215	10.688	9.4
1.60	4.51	12.9	4.538125	0.274586	16.527	6.1
1.80	2.55	6.7	2.576795	0.18309	14.074	7.1
2.00	1.37	4.1	1.399997	0.111109	12.6	7.9
2.20	1.08	2.7	1.119331	0.085024	13.165	7.6
2.40	1.86	3.1	1.903863	0.12425	15.323	6.5
2.60	1.18	3.0	1.217398	0.052269	23.291	4.3
2.80	0.88	1.7	0.923198	0.05884	15.69	6.4
3.00	0.69	1.6	0.727065	0.078453	9.268	10.8
3.20	0.98	2.2	1.034798	0.150336	6.883	14.5
3.40	2.06	4.3	2.113529	0.17652	11.973	8.4
3.60	2.75	5.4	2.799995	0.163477	17.128	5.8
3.80	3.63	6.1	3.682593	0.248402	14.825	6.7
4.00	1.27	5.0	1.328997	0.17652	7.529	13.3
4.20	0.88	3.5	0.950264	0.12425	7.648	13.1
4.40	0.69	2.5	0.754131	0.098067	7.69	13.0
4.60	0.59	2.1	0.656065	0.11768	5.575	17.9
4.80	0.98	2.7	1.048331	0.12425	8.437	11.9
5.00	1.37	3.2	1.440597	0.143864	10.014	10.0
5.20	1.27	3.4	1.356064	0.111109	12.205	8.2
5.40	1.57	3.2	1.650263	0.098067	16.828	5.9
5.60	1.27	2.7	1.356064	0.17652	7.682	13.0
5.80	1.57	4.2	1.650263	0.137293	12.02	8.3
6.00	1.57	3.6	1.650263	0.111109	14.853	6.7
6.20	2.26	3.9	2.350262	0.104637	22.461	4.5
6.40	2.26	3.8	2.350262	0.091496	25.687	3.9
6.60	2.55	3.9	2.644461	0.05884	44.943	2.2
6.80	2.84	3.7	2.938661	0.130723	22.48	4.4
7.00	2.16	4.1	2.252195	0.137293	16.404	6.1
7.20	1.86	3.9	1.971529	0.104637	18.842	5.3
7.40	2.06	3.6	2.167662	0.111109	19.509	5.1
7.60	2.55	4.2	2.657994	0.18309	14.517	6.9
7.80	2.16	4.9	2.265728	0.18309	12.375	8.1
8.00	1.47	4.2	1.579263	0.130723	12.081	8.3
8.20	1.18	3.1	1.298597	0.078453	16.553	6.0
8.40	1.08	2.3	1.20053	0.085024	14.12	7.1
8.60	0.69	2.0	0.808264	0.052269	15.463	6.5
8.80	1.18	2.0	1.298597	0.091496	14.193	7.0
9.00	1.08	2.5	1.20053	0.071883	16.701	6.0
9.20	0.88	2.0	1.01793	0.019613	51.9	1.9
9.40	1.86	2.2	1.998595	0.150336	13.294	7.5
9.60	0.88	3.1	1.01793	0.078453	12.975	7.7
9.80	1.18	2.4	1.31213	0.111109	11.809	8.5
10.00	3.24	4.9	3.371526	0.078453	42.975	2.3
10.20	2.84	4.0	2.992793	0.150336	19.907	5.0
10.40	1.77	4.0	1.914062	0.098067	19.518	5.1
10.60	1.37	2.8	1.521796	0.111109	13.696	7.3
10.80	2.84	4.5	2.992793	0.143864	20.803	4.8
11.00	0.69	2.8	0.83533	0.071883	11.621	8.6
11.20	0.59	1.7	0.750797	0.071883	10.445	9.6

11.40	0.59	1.7	0.750797	0.019613	38.28	2.6
11.60	1.96	2.3	2.123728	0.130723	16.246	6.2
11.80	1.18	3.1	1.339196	0.11768	11.38	8.8
12.00	0.69	2.5	0.848864	0.06541	12.978	7.7
12.20	0.49	1.5	0.666264	0.052269	12.747	7.8
12.40	0.88	1.7	1.05853	0.06541	16.183	6.2
12.60	0.98	2.0	1.156596	0.098067	11.794	8.5
12.80	1.18	2.6	1.352729	0.078453	17.243	5.8
13.00	1.08	2.3	1.254663	0.111109	11.292	8.9
13.20	1.27	2.9	1.464329	0.104637	13.994	7.1
13.40	1.57	3.1	1.758529	0.12425	14.153	7.1
13.60	1.67	3.5	1.856595	0.12425	14.942	6.7
13.80	1.57	3.4	1.758529	0.104637	16.806	6.0
14.00	1.18	2.7	1.366262	0.032656	41.838	2.4
14.20	1.96	2.5	2.164328	0.071883	30.109	3.3
14.40	1.08	2.2	1.281729	0.091496	14.009	7.1
14.60	0.78	2.2	0.98753	0.06541	15.097	6.6
14.80	0.98	2.0	1.183663	0.085024	13.922	7.2
15.00	1.77	3.0	1.968195	0.11768	16.725	6.0
15.20	2.75	4.5	2.962393	0.156906	18.88	5.3
15.40	3.82	6.2	4.041124	0.24193	16.704	6.0
15.60	4.81	8.4	5.021789	0.372653	13.476	7.4
15.80	7.06	12.7	7.060788	0.444568	15.882	6.3
16.00	7.35	14.0	7.354988	0.456205	16.122	6.2

Probe CPT - Cone Penetration TEST 208
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 17/09/2020



TEST 209

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 18/09/2020

Profondità prova: 27.20 mt

Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.013533	0.026184	0.517	193.5
0.40	5.10	5.5	5.112991	0.313813	16.293	6.1
0.60	2.35	7.1	2.367129	0.150336	15.746	6.4
0.80	1.96	4.2	1.974863	0.111109	17.774	5.6
1.00	1.67	3.3	1.680664	0.078453	21.423	4.7
1.20	0.49	1.7	0.517399	0.05884	8.793	11.4
1.40	0.49	1.4	0.517399	0.05884	8.793	11.4
1.60	0.39	1.3	0.419332	0.052269	8.023	12.5
1.80	1.08	1.9	1.105798	0.085024	13.006	7.7
2.00	1.77	3.0	1.792263	0.091496	19.588	5.1
2.20	0.98	2.4	1.021265	0.098067	10.414	9.6
2.40	13.34	14.8	13.337044	0.143864	92.706	1.1
2.60	2.06	4.2	2.099996	0.228789	9.179	10.9
2.80	1.57	5.0	1.609664	0.06541	24.609	4.1
3.00	1.27	2.3	1.315464	0.078453	16.768	6.0
3.20	1.57	2.7	1.623197	0.150336	10.797	9.3
3.40	1.37	3.6	1.427064	0.17652	8.084	12.4
3.60	2.45	5.1	2.505795	0.137293	18.251	5.5
3.80	0.88	2.9	0.936731	0.085024	11.017	9.1
4.00	1.47	2.7	1.52513	0.209176	7.291	13.7
4.20	5.10	8.2	5.167124	0.189563	27.258	3.7
4.40	2.94	5.8	3.009661	0.196133	15.345	6.5
4.60	1.67	4.6	1.734796	0.143864	12.059	8.3
4.80	1.08	3.2	1.146397	0.143864	7.969	12.5
5.00	0.98	3.1	1.048331	0.091496	11.458	8.7
5.20	1.18	2.5	1.257997	0.091496	13.749	7.3
5.40	0.98	2.4	1.061864	0.085024	12.489	8.0
5.60	1.08	2.4	1.159931	0.091496	12.677	7.9
5.80	0.78	2.2	0.865731	0.111109	7.792	12.8
6.00	2.16	3.8	2.238662	0.104637	21.395	4.7
6.20	2.26	3.8	2.350262	0.163477	14.377	7.0
6.40	1.08	3.5	1.173464	0.130723	8.977	11.1
6.60	0.78	2.7	0.879264	0.104637	8.403	11.9
6.80	1.37	2.9	1.467663	0.104637	14.026	7.1
7.00	1.77	3.3	1.859929	0.085024	21.875	4.6
7.20	1.67	2.9	1.775396	0.12425	14.289	7.0
7.40	2.16	4.0	2.265728	0.11768	19.253	5.2
7.60	1.37	3.1	1.481196	0.091496	16.189	6.2
7.80	0.88	2.3	0.990864	0.098067	10.104	9.9
8.00	0.69	2.2	0.794731	0.085024	9.347	10.7
8.20	1.08	2.4	1.20053	0.06541	18.354	5.4
8.40	1.47	2.5	1.592796	0.11768	13.535	7.4
8.60	1.37	3.1	1.49473	0.078453	19.053	5.2
8.80	0.98	2.2	1.102464	0.085024	12.967	7.7
9.00	1.47	2.7	1.592796	0.078453	20.303	4.9
9.20	1.67	2.8	1.802462	0.078453	22.975	4.4
9.40	1.18	2.4	1.31213	0.071883	18.254	5.5
9.60	0.69	1.8	0.821797	0.104637	7.854	12.7
9.80	0.39	2.0	0.527598	0.071883	7.34	13.6
10.00	0.88	2.0	1.01793	0.032656	31.171	3.2
10.20	2.16	2.6	2.306328	0.05884	39.197	2.6
10.40	1.67	2.5	1.815995	0.06541	27.763	3.6
10.60	1.37	2.4	1.521796	0.085024	17.899	5.6
10.80	0.88	2.2	1.031463	0.06541	15.769	6.3
11.00	1.27	2.3	1.423729	0.05884	24.197	4.1
11.20	1.08	2.0	1.24113	0.098067	12.656	7.9

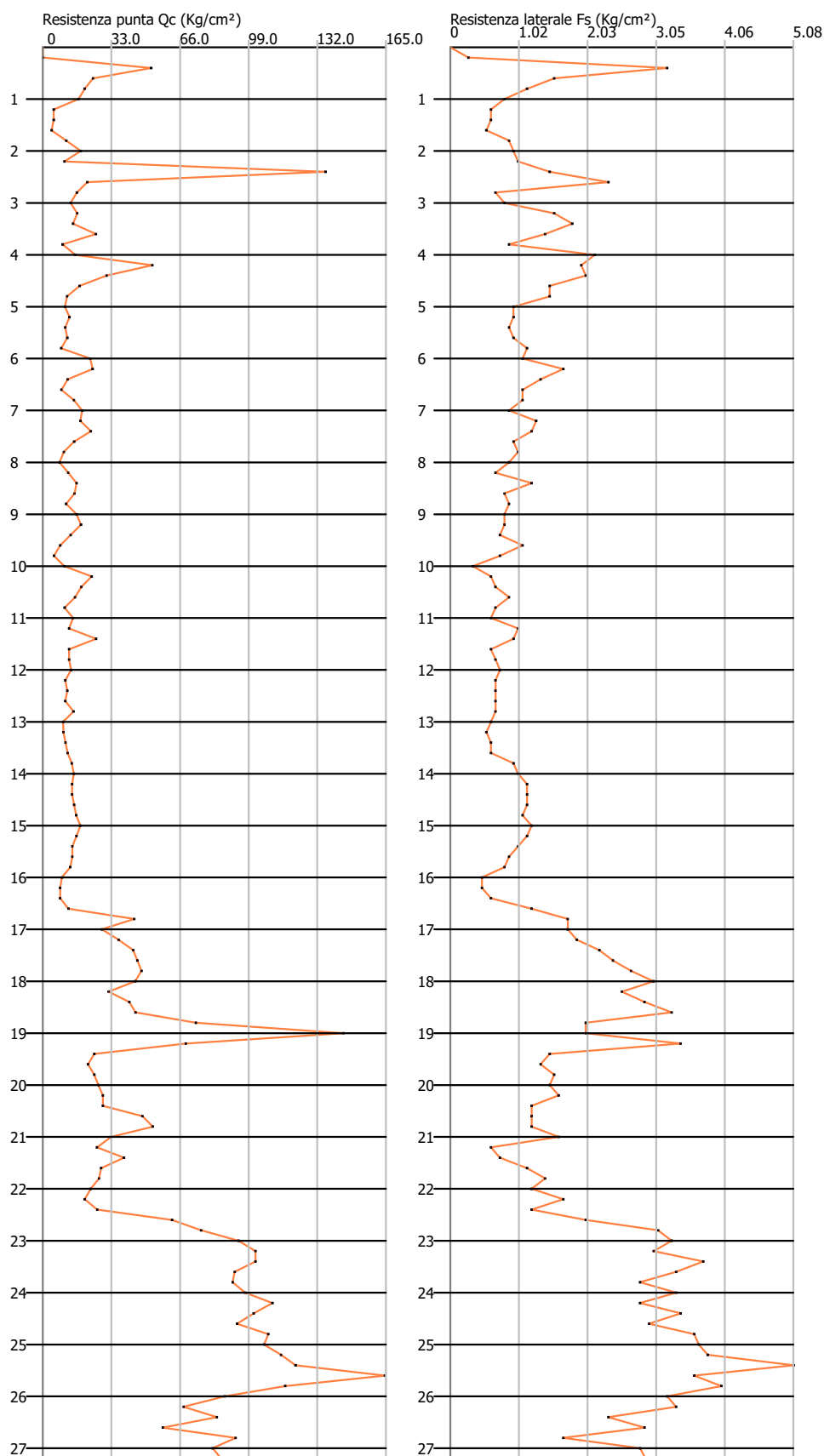
11.40	2.35	3.8	2.515994	0.091496	27.498	3.6
11.60	1.08	2.5	1.24113	0.05884	21.093	4.7
11.80	1.08	2.0	1.24113	0.06541	18.975	5.3
12.00	1.18	2.2	1.339196	0.071883	18.63	5.4
12.20	0.88	2.0	1.05853	0.06541	16.183	6.2
12.40	0.98	2.0	1.156596	0.06541	17.682	5.7
12.60	0.88	1.9	1.05853	0.06541	16.183	6.2
12.80	1.27	2.3	1.450796	0.06541	22.18	4.5
13.00	0.78	1.8	0.960463	0.05884	16.323	6.1
13.20	0.78	1.7	0.973996	0.052269	18.634	5.4
13.40	0.88	1.7	1.072063	0.05884	18.22	5.5
13.60	0.98	1.9	1.170129	0.05884	19.887	5.0
13.80	1.18	2.1	1.366262	0.091496	14.932	6.7
14.00	1.27	2.6	1.464329	0.098067	14.932	6.7
14.20	1.18	2.6	1.379796	0.111109	12.418	8.1
14.40	1.18	2.8	1.379796	0.111109	12.418	8.1
14.60	1.27	2.9	1.477862	0.111109	13.301	7.5
14.80	1.37	3.0	1.575929	0.104637	15.061	6.6
15.00	1.57	3.1	1.772062	0.11768	15.058	6.6
15.20	1.37	3.1	1.589462	0.111109	14.305	7.0
15.40	1.18	2.8	1.393329	0.098067	14.208	7.0
15.60	1.18	2.6	1.393329	0.085024	16.388	6.1
15.80	1.08	2.4	1.295262	0.078453	16.51	6.1
16.00	0.69	1.9	0.902996	0.045797	19.717	5.1
16.20	0.59	1.3	0.818463	0.045797	17.872	5.6
16.40	0.59	1.3	0.818463	0.05884	13.91	7.2
16.60	0.98	1.9	1.210729	0.11768	10.288	9.7
16.80	4.31	6.1	4.314926	0.169949	25.389	3.9
17.00	2.55	5.1	2.779793	0.169949	16.357	6.1
17.20	3.33	5.9	3.577858	0.18309	19.542	5.1
17.40	4.02	6.8	4.264324	0.215746	19.765	5.1
17.60	4.22	7.5	4.460457	0.23536	18.952	5.3
17.80	4.41	7.9	4.65659	0.261543	17.804	5.6
18.00	4.12	8.0	4.36239	0.2942	14.828	6.7
18.20	2.84	7.3	3.101059	0.248402	12.484	8.0
18.40	3.82	7.6	4.081724	0.281157	14.518	6.9
18.60	4.12	8.3	4.375923	0.320383	13.658	7.3
18.80	6.96	11.8	7.219852	0.196133	36.811	2.7
19.00	13.93	16.9	14.182574	0.196133	72.311	1.4
19.20	6.47	9.4	6.743053	0.333426	20.224	4.9
19.40	2.16	7.2	2.428127	0.143864	16.878	5.9
19.60	1.86	4.0	2.133927	0.130723	16.324	6.1
19.80	2.16	4.1	2.428127	0.150336	16.151	6.2
20.00	2.35	4.6	2.62426	0.143864	18.241	5.5
20.20	2.55	4.7	2.833926	0.156906	18.061	5.5
20.40	2.55	4.9	2.833926	0.11768	24.082	4.2
20.60	4.41	6.2	4.697189	0.11768	39.915	2.5
20.80	4.90	6.7	5.187522	0.11768	44.082	2.3
21.00	2.94	4.7	3.226192	0.156906	20.561	4.9
21.20	2.26	4.6	2.553259	0.05884	43.393	2.3
21.40	3.53	4.4	3.828124	0.071883	53.255	1.9
21.60	2.45	3.5	2.749392	0.111109	24.745	4.0
21.80	2.35	4.0	2.651326	0.137293	19.311	5.2
22.00	1.96	4.0	2.25906	0.11768	19.197	5.2
22.20	1.67	3.4	1.978394	0.163477	12.102	8.3
22.40	2.26	4.7	2.566793	0.11768	21.812	4.6
22.60	5.79	7.6	6.097187	0.196133	31.087	3.2
22.80	7.16	10.1	7.470118	0.30077	24.837	4.0
23.00	8.92	13.4	9.235315	0.320383	28.826	3.5
23.20	9.71	14.5	10.03338	0.2942	34.104	2.9
23.40	9.71	14.1	10.03338	0.366082	27.407	3.6
23.60	8.73	14.2	9.052715	0.326856	27.696	3.6
23.80	8.63	13.5	8.954648	0.274586	32.611	3.1
24.00	9.22	13.3	9.543047	0.326856	29.197	3.4
24.20	10.49	15.4	10.831445	0.274586	39.446	2.5
24.40	9.61	13.7	9.948847	0.333426	29.838	3.4

24.60	8.83	13.8	9.164315	0.287629	31.862	3.1
24.80	10.30	14.6	10.635312	0.353039	30.125	3.3
25.00	10.10	15.4	10.439179	0.35961	29.029	3.4
25.20	10.89	16.3	11.237244	0.372653	30.155	3.3
25.40	11.57	17.2	11.92371	0.496903	23.996	4.2
25.60	15.79	23.2	16.140569	0.353039	45.719	2.2
25.80	11.08	16.4	11.433377	0.392266	29.147	3.4
26.00	8.24	14.1	8.589449	0.313813	27.371	3.7
26.20	6.28	11.0	6.641652	0.326856	20.32	4.9
26.40	7.85	12.7	8.210716	0.228789	35.888	2.8
26.60	5.30	8.7	5.660987	0.281157	20.135	5.0
26.80	8.73	12.9	9.093314	0.163477	55.624	1.8
27.00	7.65	10.1	8.014583	0.274586	29.188	3.4
27.20	8.04	12.2	8.420382	0.282922	29.762	3.4

Probe CPT - Cone Penetration TEST 209
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 18/09/2020



TEST 210

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 18/09/2020

Profondità prova: 10.00 mt

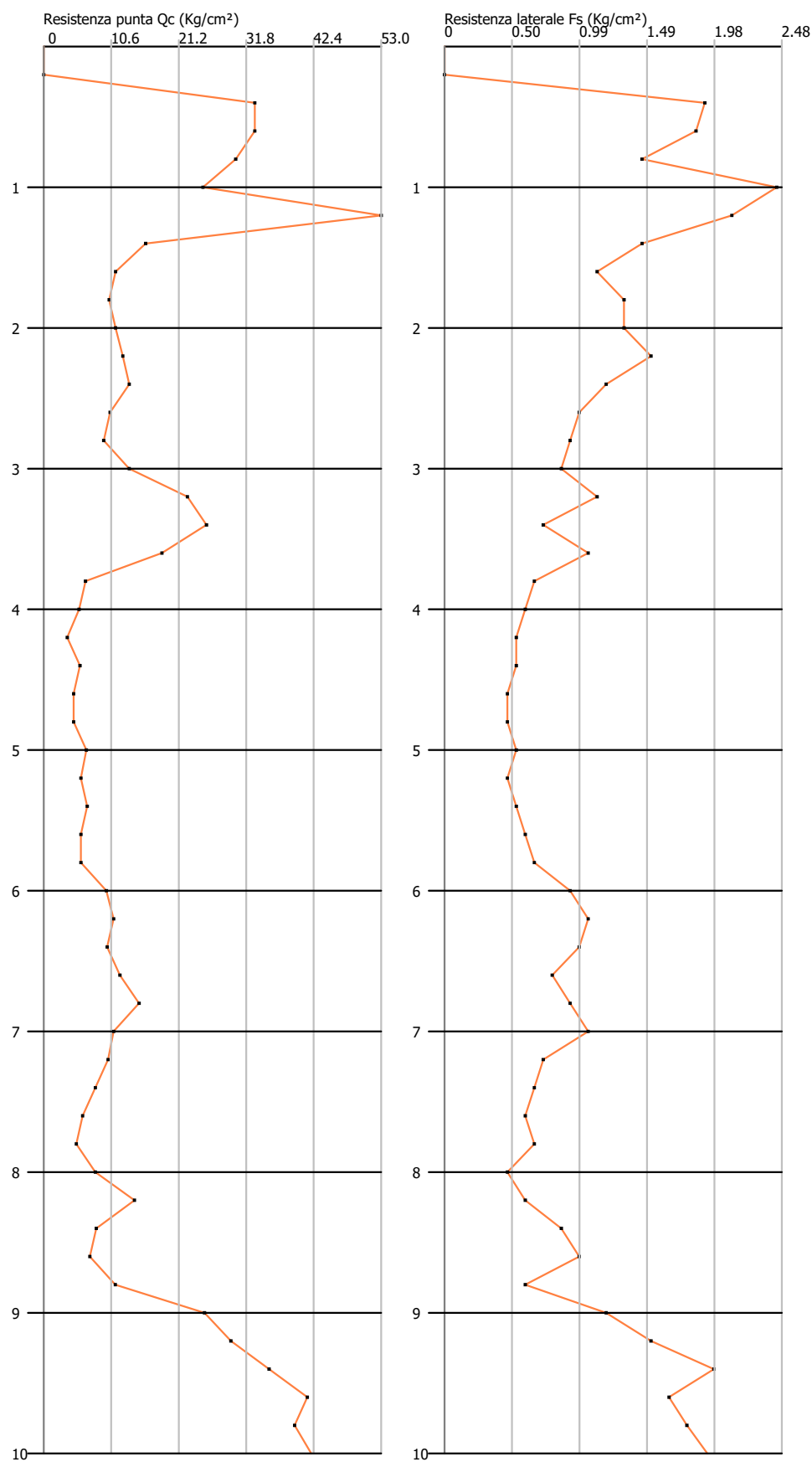
Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.0	0.0		
0.40	3.24	5.1	3.249728	0.189563	17.143	5.8
0.60	3.24	6.1	3.249728	0.18309	17.749	5.6
0.80	2.94	5.7	2.955528	0.143831	20.549	4.9
1.00	2.45	4.6	2.451663	0.241897	10.135	9.9
1.20	5.20	8.8	5.197525	0.209209	24.844	4.0
1.40	1.57	4.7	1.569064	0.143864	10.907	9.2
1.60	1.08	3.2	1.105798	0.111109	9.952	10.0
1.80	0.98	2.6	1.007731	0.130723	7.709	13.0
2.00	1.08	3.0	1.105798	0.130723	8.459	11.8
2.20	1.18	3.1	1.217398	0.150336	8.098	12.3
2.40	1.27	3.5	1.315464	0.11768	11.178	8.9
2.60	0.98	2.7	1.021265	0.098067	10.414	9.6
2.80	0.88	2.4	0.923198	0.091496	10.09	9.9
3.00	1.27	2.6	1.315464	0.085024	15.472	6.5
3.20	2.16	3.4	2.211596	0.111109	19.905	5.0
3.40	2.45	4.1	2.505795	0.071883	34.859	2.9
3.60	1.77	2.8	1.81933	0.104637	17.387	5.8
3.80	0.59	2.2	0.642532	0.06541	9.823	10.2
4.00	0.49	1.5	0.544465	0.05884	9.253	10.8
4.20	0.29	1.2	0.361865	0.052269	6.923	14.4
4.40	0.49	1.3	0.557998	0.052269	10.675	9.4
4.60	0.39	1.2	0.459932	0.045797	10.043	10.0
4.80	0.39	1.1	0.459932	0.045797	10.043	10.0
5.00	0.59	1.3	0.656065	0.052269	12.552	8.0
5.20	0.49	1.3	0.571532	0.045797	12.48	8.0
5.40	0.59	1.3	0.669598	0.052269	12.811	7.8
5.60	0.49	1.3	0.571532	0.05884	9.713	10.3
5.80	0.49	1.4	0.571532	0.06541	8.738	11.4
6.00	0.88	1.9	0.963798	0.091496	10.534	9.5
6.20	0.98	2.4	1.075397	0.104637	10.277	9.7
6.40	0.88	2.5	0.977331	0.098067	9.966	10.0
6.60	1.08	2.5	1.173464	0.078453	14.958	6.7
6.80	1.37	2.5	1.467663	0.091496	16.041	6.2
7.00	0.98	2.4	1.075397	0.104637	10.277	9.7
7.20	0.88	2.5	0.990864	0.071883	13.784	7.3
7.40	0.69	1.8	0.794731	0.06541	12.15	8.2
7.60	0.49	1.5	0.598598	0.05884	10.173	9.8
7.80	0.39	1.3	0.500531	0.06541	7.652	13.1
8.00	0.69	1.7	0.794731	0.045797	17.353	5.8
8.20	1.27	2.0	1.396663	0.05884	23.737	4.2
8.40	0.69	1.6	0.808264	0.085024	9.506	10.5
8.60	0.59	1.9	0.710198	0.098067	7.242	13.8
8.80	0.98	2.5	1.102464	0.05884	18.737	5.3
9.00	2.35	3.2	2.475395	0.11768	21.035	4.8
9.20	2.75	4.5	2.881194	0.150336	19.165	5.2
9.40	3.33	5.6	3.469593	0.196133	17.69	5.7
9.60	3.92	6.9	4.057992	0.163477	24.823	4.0
9.80	3.73	6.2	3.861859	0.17652	21.878	4.6
10.00	4.12	6.8	4.118793	0.191328	21.527	4.6

Probe CPT - Cone Penetration TEST 210
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 18/09/2020



TEST 211

Committente: AIPO

Strumento utilizzato: PAGANI TG 63 (200 kN)

Prova eseguita in data: 18/09/2020

Profondità prova: 12.00 mt

Località: OSTIGLIA (MN)

Profondità (m)	Lettura punta (Mpa)	Lettura laterale (Mpa)	qc (Mpa)	fs (Mpa)	qc/fs Begemann	fs/qcx100 (Schmertmann)
0.20	0.00	0.0	0.0	0.0		
0.40	3.73	6.2	3.74006	0.254973	14.668	6.8
0.60	3.24	7.1	3.249728	0.169949	19.122	5.2
0.80	2.75	5.3	2.759395	0.189563	14.557	6.9
1.00	3.33	6.2	3.347794	0.111109	30.131	3.3
1.20	3.33	5.0	3.361327	0.163477	20.561	4.9
1.40	2.45	4.9	2.478729	0.098067	25.276	4.0
1.60	3.24	4.7	3.263261	0.06541	49.889	2.0
1.80	2.55	3.5	2.576795	0.085024	30.307	3.3
2.00	2.16	3.4	2.184529	0.091496	23.876	4.2
2.20	2.26	3.6	2.296129	0.143864	15.96	6.3
2.40	3.53	5.7	3.570994	0.150336	23.753	4.2
2.60	2.94	5.2	2.982595	0.196133	15.207	6.6
2.80	2.55	5.5	2.590329	0.104637	24.755	4.0
3.00	3.43	5.0	3.472927	0.156906	22.134	4.5
3.20	3.04	5.4	3.094194	0.071883	43.045	2.3
3.40	2.94	4.0	2.996128	0.18309	16.364	6.1
3.60	1.86	4.6	1.917396	0.130723	14.668	6.8
3.80	2.35	4.3	2.407729	0.189563	12.702	7.9
4.00	2.65	5.5	2.701928	0.215746	12.524	8.0
4.20	1.96	5.2	2.028996	0.215746	9.405	10.6
4.40	2.35	5.6	2.421262	0.261543	9.258	10.8
4.60	1.86	5.8	1.930929	0.228789	8.44	11.8
4.80	1.37	4.8	1.440597	0.130723	11.02	9.1
5.00	0.98	2.9	1.048331	0.111109	9.435	10.6
5.20	1.27	2.9	1.356064	0.091496	14.821	6.7
5.40	1.37	2.7	1.45413	0.137293	10.591	9.4
5.60	1.27	3.3	1.356064	0.137293	9.877	10.1
5.80	1.37	3.4	1.45413	0.11768	12.357	8.1
6.00	1.67	3.4	1.74833	0.12425	14.071	7.1
6.20	1.47	3.3	1.56573	0.12425	12.601	7.9
6.40	1.37	3.2	1.467663	0.111109	13.209	7.6
6.60	1.08	2.7	1.173464	0.091496	12.825	7.8
6.80	1.08	2.5	1.173464	0.098067	11.966	8.4
7.00	1.27	2.7	1.369597	0.091496	14.969	6.7
7.20	1.08	2.5	1.186997	0.06541	18.147	5.5
7.40	0.98	2.0	1.08893	0.091496	11.901	8.4
7.60	1.08	2.5	1.186997	0.078453	15.13	6.6
7.80	1.08	2.3	1.186997	0.071883	16.513	6.1
8.00	0.98	2.1	1.08893	0.071883	15.149	6.6
8.20	1.18	2.3	1.298597	0.06541	19.853	5.0
8.40	1.37	2.4	1.49473	0.098067	15.242	6.6
8.60	2.16	3.6	2.279262	0.111109	20.514	4.9
8.80	2.06	3.7	2.181195	0.156906	13.901	7.2
9.00	1.86	4.2	1.985062	0.137293	14.459	6.9
9.20	1.67	3.7	1.802462	0.143864	12.529	8.0
9.40	1.47	3.6	1.606329	0.130723	12.288	8.1
9.60	1.08	3.0	1.214063	0.078453	15.475	6.5
9.80	0.69	1.9	0.821797	0.045797	17.944	5.6
10.00	0.69	1.4	0.821797	0.05884	13.967	7.2
10.20	0.69	1.6	0.83533	0.045797	18.24	5.5
10.40	0.59	1.3	0.737264	0.052269	14.105	7.1
10.60	0.69	1.5	0.83533	0.052269	15.981	6.3
10.80	0.78	1.6	0.933397	0.05884	15.863	6.3
11.00	0.88	1.8	1.031463	0.05884	17.53	5.7
11.20	0.98	1.9	1.143063	0.071883	15.902	6.3

11.40	1.27	2.4	1.437263	0.091496	15.708	6.4
11.60	0.98	2.4	1.143063	0.098067	11.656	8.6
11.80	1.08	2.5	1.24113	0.124218	9.992	10.0
12.00	1.47	3.3	1.470998	0.127977	11.494	8.7

Probe CPT - Cone Penetration TEST 211
Strumento utilizzato PAGANI TG 63 (200 kN)

Committente: AIPO
Cantiere: 20066
Località: OSTIGLIA (MN)

Data: 18/09/2020

