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P IVA e Codice Fiscale n. 00174600387

Laboratorio Geotecnico autorizzato con Dec. n. 6572 del 07/10/2014, art. 59 del D.P.R. 380/2001, Circolari Ministeriali 7618/STC



COMMITTENTE: A.I.P.O Parma - Strada G. Garibaldi 75 - Parma

CANTIERE: Arginature Fiume Panaro, Provincia di Modena.

CPT N° 69 CPT SIS

DATA 28/04/15

COMMESSA 13931/14

PROF. FALDA (m da p.c.)

PREFORO (m da p.c.)

C. SITO N°:

N. R. PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

LAT. (WGS 84): 44.715396°

LONG. (WGS 84): 11.032504°

S150460 del 30.06.15

prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.
m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi
0.02	3.19	2.29	12.67	0.55	2.02	2.68	69.99	0.67	0.99	4.02	2.83	29.89	2.67	1.27	6.02	1.39	51.33	12.67	1.53	8.02	1.12	17.64	22.67	1.75
0.04	2.82	4.62	16.00	0.55	2.04	2.39	70.44	0.67	1.00	4.04	2.63	29.12	2.00	1.28	6.04	1.49	51.22	14.67	1.52	8.04	0.93	22.75	51.33	1.77
0.06	2.95	3.96	16.67	0.96	2.06	2.18	62.33	0.67	0.99	4.06	2.43	28.45	3.33	1.28	6.06	1.68	50.55	14.67	1.52	8.06	0.83	22.75	150.67	1.77
0.08	4.67	3.40	26.67	0.65	2.08	2.03	47.66	2.00	0.99	4.08	2.35	28.12	2.67	1.28	6.08	1.91	50.55	15.33	1.52	8.08	0.85	19.97	242.67	1.78
0.10	4.30	5.18	20.00	0.73	2.10	1.92	35.88	0.67	1.00	4.10	2.31	28.34	2.67	1.31	6.10	1.98	52.66	18.00	1.51	8.10	0.91	16.75	225.33	1.79
0.12	4.21	12.18	15.33	1.10	2.12	1.81	27.77	2.67	0.99	4.12	2.22	30.23	5.33	1.32	6.12	1.80	53.11	12.00	1.51	8.12	0.88	17.30	233.33	1.78
0.14	3.31	16.41	11.33	0.98	2.14	1.75	18.78	2.67	0.99	4.14	2.28	30.23	2.00	1.35	6.14	1.62	52.99	12.00	1.52	8.14	0.85	17.41	239.33	1.81
0.16	3.26	15.73	24.00	0.92	2.16	1.72	15.00	4.00	0.99	4.16	2.52	32.11	2.67	1.35	6.16	1.53	54.66	12.00	1.54	8.16	0.86	17.30	238.00	1.79
0.18	3.21	19.29	30.00	0.74	2.18	1.63	12.56	3.33	1.00	4.18	2.56	40.89	2.67	1.35	6.18	1.75	48.00	0.67	1.51	8.18	0.87	17.19	236.67	1.77
0.20	3.40	27.27	17.33	0.68	2.20	1.57	11.23	3.33	0.99	4.20	3.18	49.35	0.67	1.36	6.20	1.65	50.56	0.67	1.52	8.20	0.94	21.32	202.67	1.81
0.22	3.38	37.94	18.67	0.76	2.22	1.63	10.89	2.00	1.00	4.22	3.10	65.79	0.67	1.35	6.22	1.60	56.78	12.67	1.53	8.22	0.92	24.65	190.00	1.82
0.24	3.42	50.71	17.33	0.72	2.24	1.64	10.67	4.00	1.01	4.24	3.06	73.68	0.67	1.35	6.24	1.49	58.56	129.33	1.51	8.24	0.98	25.54	189.33	1.81
0.26	3.51	67.16	15.33	0.67	2.26	1.69	10.78	3.33	1.00	4.26	3.04	76.12	2.00	1.36	6.26	1.36	55.00	49.33	1.53	8.26	1.03	28.99	193.33	1.82
0.28	3.77	80.04	14.00	0.71	2.28	1.86	11.34	4.00	1.00	4.28	2.96	77.67	2.00	1.34	6.28	1.33	54.44	27.33	1.53	8.28	1.05	29.76	203.33	1.83
0.30	3.83	92.15	11.33	0.72	2.30	2.16	12.34	0.67	0.99	4.30	3.00	79.68	0.67	1.34	6.30	1.34	55.67	20.67	1.52	8.30	1.06	30.54	175.33	1.82
0.32	3.83	101.59	10.00	0.72	2.32	2.45	13.23	0.67	0.99	4.32	3.00	81.67	0.67	1.35	6.32	1.39	53.56	22.00	1.52	8.32	1.00	33.88	170.67	1.83
0.34	3.79	108.25	9.33	0.73	2.34	2.51	14.78	0.67	1.02	4.34	3.28	74.56	2.00	1.34	6.34	1.44	49.11	25.33	1.53	8.34	0.99	34.10	218.00	1.83
0.36	3.70	108.14	6.67	0.73	2.36	2.42	16.23	0.67	1.00	4.36	3.53	63.23	0.67	1.33	6.36	1.27	45.77	26.67	1.53	8.36	0.94	33.21	225.33	1.84
0.38	3.63	100.69	6.67	0.72	2.38	2.30	17.56	2.00	1.01	4.38	3.47	55.01	0.67	1.33	6.38	1.16	43.44	50.00	1.53	8.38	0.98	33.32	190.00	1.84
0.40	3.55	91.02	5.33	0.73	2.40	2.13	18.67	3.33	1.00	4.40	3.33	56.23	1.33	1.35	6.40	1.13	39.56	58.67	1.52	8.40	0.98	34.54	226.67	1.85
0.42	3.48	80.90	3.33	0.73	2.42	2.08	20.56	2.67	0.99	4.42	3.06	61.67	0.67	1.35	6.42	1.11	36.88	149.33	1.52	8.42	0.95	35.10	198.67	1.85
0.44	3.35	69.67	2.00	0.74	2.44	2.04	21.12	3.33	1.04	4.44	2.82	60.56	1.33	1.35	6.44	1.19	33.99	137.33	1.52	8.44	0.93	34.21	88.00	1.87
0.46	3.18	63.44	0.67	0.75	2.46	2.03	20.99	2.67	0.69	4.46	2.66	57.89	0.67	1.35	6.46	1.27	35.66	108.00	1.52	8.46	0.88	35.10	96.67	1.86
0.48	3.03	57.99	0.74	0.74	2.48	2.22	20.56	0.67	1.02	4.48	2.56	55.44	0.67	1.34	6.48	1.36	35.33	133.33	1.52	8.48	0.82	36.88	134.00	1.87
0.50	3.04	52.43	2.00	0.73	2.50	2.51	19.89	0.67	0.91	4.50	2.57	56.11	1.33	1.35	6.50	1.58	31.99	240.67	1.53	8.50	0.76	37.88	170.67	1.87
0.52	3.15	48.76	5.33	0.77	2.52	2.89	18.45	1.33	1.04	4.52	2.58	53.44	1.33	1.36	6.52	1.65	26.44	370.00	1.53	8.52	0.77	36.55	175.33	1.88
0.54	3.23	46.08	5.33	0.74	2.54	2.76	18.56	0.67	1.04	4.54	2.74	46.11	1.33	1.35	6.54	1.72	24.33	220.67	1.54	8.54	0.65	34.43	176.67	1.87
0.56	3.16	43.42	8.00	0.76	2.56	2.47	19.79	0.67	1.05	4.56	3.17	37.77	4.67	1.34	6.56	1.75	27.44	180.00	1.55	8.56	0.64	33.21	200.00	1.87
0.58	2.80	47.07	8.67	0.78	2.58	2.19	20.01	2.67	1.07	4.58	3.79	34.55	4.67	1.34	6.58	1.75	35.44	182.67	1.56	8.58	0.63	28.66	204.00	1.88
0.60	2.51	53.74	9.33	0.78	2.60	2.00	19.90	2.67	1.04	4.60	3.92	40.77	7.33	1.35	6.60	1.76	41.55	197.33	1.54	8.60	0.65	22.43	206.00	1.87
0.62	2.45	63.39	12.67	0.80	2.62	1.92	20.35	2.67	1.05	4.62	3.51	53.77	4.00	1.34	6.62	1.87	45.66	150.67	1.56	8.62	0.76	18.77	214.00	1.90
0.64	2.44	69.50	3.33	0.80	2.64	1.83	20.12	2.67	1.06	4.64	3.15	66.99	3.33	1.36	6.64	1.87	55.11	204.00	1.57	8.64	0.95	16.66	226.00	1.89
0.66	2.48	72.50	4.00	0.82	2.66	1.96	20.12	2.00	1.05	4.66	2.99	72.77	2.00	1.36	6.66	1.84	62.44	188.67	1.57	8.66	1.21	15.43	92.00	1.89
0.68	2.52	78.27	3.33	0.83	2.68	2.29	18.01	2.00	1.05	4.68	2.77	76.21	0.67	1.34	6.68	1.74	66.33	213.33	1.56	8.68	1.50	20.43	92.00	1.88
0.70	2.50	86.15	0.67	0.85	2.70	2.63	15.46	1.33	1.05	4.70	2.65	76.77	1.33	1.36	6.70	1.69	66.00	236.00	1.57	8.70	1.99	23.99	36.67	1.90
0.72	2.42	88.81	2.00	0.86	2.72	2.51	15.01	0.67	1.05	4.72	2.49	77.43	1.33	1.33	6.72	1.59	66.11	225.33	1.56	8.72	2.29	24.21	1.33	1.90
0.74	2.25	87.70	2.00	0.85	2.74	2.23	15.24	2.00	1.06	4.74	2.47	77.10	1.33	1.36	6.74	1.53	64.33	202.00	1.57	8.74	2.18	25.99	0.67	1.90
0.76	2.12	79.47	0.67	0.87	2.76	1.95	15.57	3.33	1.05	4.76	2.44	76.20	0.67	1.34	6.76	1.53	59.78	111.33	1.57	8.76	1.80	27.33	0.67	1.91
0.78	1.96	73.58	0.67	0.88	2.78	1.78	15.68	2.00	1.05	4.78	2.52	76.43	2.00	1.37	6.78	1.46	58.78	82.00	1.57	8.78	1.48	28.44	0.67	1.90
0.80	1.77	68.13	0.67	0.88	2.80	1.64	15.46	3.33	1.07	4.80	2.41	80.10	0.67	1.37	6.80	1.41	59.88	71.33	1.59	8.80	1.24	29.33	29.33	1.91
0.82	1.65	66.01	2.00	0.88	2.82	1.55	15.57	2.67	1.07	4.82	2.34	81.76	0.67	1.37	6.82	1.42	59.77	64.00	1.57	8.82	0.99	31.66	171.33	1.91
0.84	1.60	64.01	12.00	0.90	2.84	1.55	14.90	4.00	1.05	4.84	2.30	84.20	0.67	1.37	6.84	1.37	62.09	51.33	1.50	8.84	0.95	25.99	357.33	1.91
0.86	1.60	60.11	18.67	0.90	2.86	1.69	13.90	0.67	1.07	4.86	2.23	83.09	0.67	1.38	6.86	1.42	64.88	48.00	1.61	8.86	1.06	21.55	376.00	1.91
0.88	1.58																							



**COMMITTENTE: A.I.P.O Parma - Strada G. Garibaldi 75 - Parma**

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

CPT N° 69 CPT SIS PROF. FALDA (m da p.c.) N. R. PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]  
DATA 28/04/15 PREFORO (m da p.c.) LAT. (WGS 84): 44.715396°  
COMMESSA 13931/14 C. SITO N°: S150460 del 30.06.15 LONG. (WGS 84): 11.032504°

prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi																				
10.02	0.81	18.90	284.00	2.04	12.02	0.77	16.37	350.00	2.23	14.02	1.21	83.89	333.33	2.64	16.02	1.00	24.94	545.33	2.85	18.02	0.71	15.81	410.67	3.09	10.04	0.80	21.57	289.33	2.05	12.04	0.72	15.15	352.00	2.23	14.04	1.21	81.77	296.67	2.64	16.04	1.19	25.83	537.33	2.84	18.04	0.71	14.59	419.33	3.09
10.06	0.78	22.46	302.00	2.06	12.06	0.67	13.93	356.67	2.23	14.06	1.27	76.77	379.33	2.66	16.06	1.07	24.72	524.00	2.84	18.06	0.78	14.81	424.67	3.09	10.08	0.83	20.68	306.00	2.05	12.08	0.67	12.49	374.00	2.22	14.08	1.27	73.66	385.33	2.65	16.08	1.07	24.05	528.00	2.84	18.08	0.85	14.92	398.67	3.09
10.10	0.83	19.46	308.67	2.05	12.10	0.67	11.82	381.33	2.24	14.10	1.33	71.55	362.67	2.65	16.10	1.03	24.28	527.33	2.84	18.10	0.85	14.92	338.67	3.09	10.12	0.92	19.13	320.00	2.06	12.12	0.65	11.93	391.33	2.25	14.12	1.34	70.44	301.33	2.66	16.12	1.00	25.28	548.67	2.84	18.12	0.81	16.70	320.67	3.10
10.14	0.94	17.68	317.33	2.06	12.14	0.64	11.93	398.00	2.26	14.14	1.36	71.55	290.67	2.65	16.14	1.01	24.84	563.33	2.85	18.14	0.82	16.93	366.67	3.10	10.16	0.94	16.91	307.33	2.05	12.16	0.72	13.83	351.33	2.25	14.16	1.39	71.55	296.00	2.65	16.16	1.14	24.17	617.33	2.84	18.16	0.81	17.37	332.67	3.10
10.18	0.95	18.13	294.67	2.07	12.18	0.74	13.27	362.67	2.27	14.18	1.40	72.43	302.00	2.68	16.18	1.33	23.61	528.00	2.85	18.18	0.76	17.37	289.33	3.11	10.20	0.93	21.91	292.67	2.06	12.20	0.74	13.38	358.67	2.26	14.20	1.41	73.99	305.33	2.65	16.20	1.48	23.84	432.00	2.85	18.20	0.66	19.26	356.67	3.10
10.22	0.89	26.69	250.67	2.07	12.22	0.74	14.49	348.00	2.27	14.22	1.47	79.33	254.00	2.69	16.22	1.53	28.73	394.67	2.85	18.22	0.65	16.93	374.00	3.09	10.24	0.88	29.25	240.00	2.07	12.24	0.71	16.27	358.00	2.27	14.24	1.51	80.56	255.33	2.67	16.24	1.53	31.39	256.00	2.84	18.24	0.64	16.93	388.00	3.09
10.26	0.80	30.58	254.00	2.07	12.26	0.70	16.27	378.67	2.27	14.26	1.53	79.89	202.67	2.67	16.26	1.54	39.17	226.00	2.86	18.26	0.62	16.04	402.67	3.10	10.28	0.75	32.69	267.33	2.07	12.28	0.73	15.60	384.00	2.27	14.28	1.49	82.11	193.33	2.68	16.28	1.51	57.28	321.33	2.87	18.28	0.67	13.39	305.33	3.12
10.30	0.72	33.91	298.00	2.07	12.30	0.76	15.05	381.33	2.27	14.30	1.49	84.22	195.33	2.68	16.30	1.49	68.84	332.00	2.89	18.30	0.72	13.61	321.33	3.12	10.32	0.87	26.82	197.33	2.08	12.32	0.81	15.16	375.33	2.29	14.32	1.46	86.33	216.67	2.68	16.32	1.53	77.17	321.33	2.87	18.32	0.78	14.39	381.33	3.13
10.34	0.83	23.82	285.33	2.07	12.34	0.79	15.50	346.67	2.28	14.34	1.46	87.99	257.33	2.69	16.34	1.54	82.51	360.67	2.87	18.34	0.91	14.83	406.00	3.11	10.36	0.88	20.59	294.00	2.10	12.36	0.81	17.05	328.67	2.29	14.36	1.38	88.22	228.00	2.69	16.36	1.62	87.39	329.33	2.88	18.36	1.02	15.88	314.67	3.12
10.38	0.93	20.15	294.00	2.10	12.38	0.81	19.16	314.00	2.30	14.38	1.35	87.77	296.00	2.68	16.38	1.63	89.95	276.00	2.87	18.38	1.13	16.39	418.33	3.12	10.40	0.96	21.82	277.33	2.08	12.40	0.76	21.94	324.67	2.30	14.40	1.33	87.44	394.00	2.68	16.40	1.58	89.39	251.33	2.88	18.40	1.17	21.73	248.67	3.12
10.42	0.99	24.59	272.00	2.10	12.42	0.77	24.38	333.33	2.29	14.42	1.33	83.11	370.00	2.68	16.42	1.51	87.39	247.33	2.90	18.42	1.17	30.28	340.00	3.12	10.44	0.95	27.15	276.67	2.09	12.44	0.79	24.94	352.00	2.31	14.44	1.36	78.99	330.00	2.68	16.44	1.49	87.83	217.33	2.89	18.44	1.23	35.17	330.00	3.12
10.46	0.95	29.03	324.00	2.08	12.46	0.84	25.05	366.67	2.31	14.46	1.40	77.77	385.33	2.69	16.46	1.37	93.16	298.00	2.90	18.46	1.26	40.95	263.33	3.12	10.48	0.99	29.59	330.00	2.08	12.48	0.79	24.94	296.00	2.31	14.48	1.40	76.21	380.67	2.68	16.48	1.31	98.27	372.67	2.91	18.48	1.29	44.28	184.00	3.12
10.50	1.02	29.37	338.67	2.09	12.50	0.76	23.61	246.67	2.32	14.50	1.46	74.33	320.67	2.67	16.50	1.29	96.49	358.67	2.90	18.50	1.27	52.06	185.33	3.13	10.52	1.05	31.37	329.33	2.08	12.52	0.72	22.50	284.67	2.32	14.52	1.52	72.55	327.33	2.69	16.52	1.28	92.82	303.33	2.90	18.52	1.20	57.61	154.67	3.13
10.54	1.13	29.93	306.00	2.09	12.54	0.72	21.83	339.33	2.32	14.54	1.47	74.10	286.67	2.68	16.54	1.23	88.71	328.00	2.91	18.54	1.20	59.06	141.33	3.12	10.56	1.14	29.59	243.33	2.11	12.56	0.70	20.05	346.67	2.32	14.56	1.54	77.77	308.67	2.68	16.56	1.18	85.49	358.67	2.89	18.56	1.14	60.95	216.67	3.13
10.58	1.14	31.81	250.67	2.10	12.58	0.71	19.71	362.00	2.32	14.58	1.57	84.10	290.67	2.68	16.58	1.21	80.27	384.67	2.90	18.58	1.09	65.50	210.67	3.14	10.60	1.14	35.15	268.67	2.11	12.60	0.68	18.83	357.33	2.31	14.60	1.57	86.21	322.67	2.68	16.60	1.18	75.15	490.00	2.91	18.60	1.08	67.61	258.67	3.14
10.62	1.14	39.03	294.67	2.11	12.62	0.71	18.60	357.33	2.33	14.62	1.60	87.99	254.67	2.67	16.62	1.16	70.81	500.00	2.90	18.62	1.05	70.06	346.00	3.15	10.64	1.18	40.37	296.67	2.11	12.64	0.72	17.94	360.67	2.32	14.64	1.59	89.66	236.00	2.67	16.64	1.12	66.59	501.33	2.91	18.64	1.06	68.39	427.33	3.16
10.66	1.18	42.15	298.00	2.11	12.66	0.73	16.38	360.67	2.33	14.66	1.57	90.43	174.00	2.67	16.66	1.07	62.37	401.33	2.92	18.66	1.07	67.28	369.33	3.16	10.68	1.19	44.37	294.67	2.12	12.68	0.77	15.27	348.00	2.32	14.68	1.42	92.09	188.67	2.69	16.68	1.01	56.25	438.00	2.92	18.68	1.09	64.61	372.00	3.16
10.70	1.12	46.47	287.33	2.12	12.70	0.77	15.16	353.33	2.33	14.70	1.42	93.32	212.00	2.69	16.70	0.99	52.36	371.33	2.92	18.70	1.09	62.05	414.00	3.18	10.72	1.07	45.57	261.33	2.13	12.72	0.73	16.27	350.67	2.34	14.72	1.44	93.10	235.33	2.70	16.72	0.95	48.14	379.33	2.92	18.72	1.11	59.16	384.00	3.18
10.74	1.18	45.81	236.67	2.12	12.74	0.73	15.27	357.33	2.34	14.74	1.45	90.65	237.33	2.70	16.74	0.99	44.69	450.00	2.92	18.74	1.12	56.60	350.00	3.19	10.76	1.16	47.47	240.00	2.12	12.76	0.73	14.83	369.33	2.34	14.76	1.39	89.65	252.00	2.70	16.76	0.99	43.25	502.67	2.92	18.76	1.16	55.12	342.67	3.20
10.78	1.12	47.92	240.67	2.13	12.78	0.78	14.49	377.33	2.34	14.78	1.29	88.21	244.00	2.69	16.78	1.00	41.80	501.33	2.93	18.78	1.17	56.60	396.00	3.19	10.80	1.13	48.70	237.33	2.13	12.80	0.78	14.38	383.33	2.32	14.80	1.27	84.99	284.67	2.69	16.80	1.01	40.13	480.67	2.94	18.80	1.21	59.71	388.67	3.18
10.82	1.14	50.47	222.67	2.17	12.82	0.79	14.27	378.67	2.33	14.82	1.22	81.43	364.67	2.70	16.82	1.00	38.47	475.33	2.93	18.82																													



**COMMITTENTE: A.I.PO Parma - Strada G. Garibaldi 75 - Parma**
**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

**CPT N°** 69 CPT SIS

**DATA** 28/04/15

**COMMESSA** 13931/14

**PROF. FALDA (m da p.c.)** N. R.

**PREFORO (m da p.c.)**
**C. SITO N°:**
**PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]**
**LAT. (WGS 84):** 44.715396°

**LONG. (WGS 84):** 11.032504°

prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
20.02	1.09	38.72	438.67	3.33	22.02	0.93	24.72	582.67	3.42	24.02	1.26	67.20	399.33	3.64	26.02	1.68	76.45	384.67	4.15	28.02	1.29	30.16	582.00	4.76
20.04	1.08	44.50	532.00	3.32	22.04	0.93	24.28	583.33	3.43	24.04	1.22	64.64	482.00	3.66	26.04	1.69	78.45	375.33	4.14	28.04	1.29	30.94	579.33	4.76
20.06	1.17	45.94	554.00	3.32	22.06	0.95	24.05	574.67	3.43	24.06	1.27	60.98	486.00	3.65	26.06	1.72	78.23	375.33	4.14	28.06	1.29	31.83	585.33	4.76
20.08	1.13	43.28	518.67	3.34	22.08	0.96	24.83	578.00	3.43	24.08	1.26	56.31	487.33	3.66	26.08	1.75	78.00	375.33	4.14	28.08	1.29	32.72	591.33	4.76
20.10	1.12	41.39	506.00	3.34	22.10	1.00	27.39	581.33	3.43	24.10	1.20	52.42	490.67	3.67	26.10	1.72	79.01	392.67	4.16	28.10	1.29	33.05	597.33	4.76
20.12	1.12	37.50	540.00	3.33	22.12	1.01	27.83	556.67	3.43	24.12	1.23	48.54	530.00	3.68	26.12	1.70	82.89	438.00	4.17	28.12	1.29	32.83	597.33	4.76
20.14	1.29	32.39	557.33	3.33	22.14	1.01	28.05	556.00	3.43	24.14	1.26	44.65	570.67	3.68	26.14	1.70	85.45	449.33	4.17	28.14	1.26	32.05	593.33	4.76
20.16	1.54	29.16	471.33	3.34	22.16	1.00	28.94	558.00	3.44	24.16	1.29	40.32	580.00	3.67	26.16	1.76	83.34	462.00	4.18	28.16	1.28	33.28	594.00	4.77
20.18	1.74	27.94	336.00	3.34	22.18	0.96	30.16	569.33	3.45	24.18	1.29	36.99	572.00	3.69	26.18	1.83	81.45	495.33	4.19	28.18	1.24	34.28	600.67	4.78
20.20	1.67	29.94	218.67	3.35	22.20	0.98	30.28	568.00	3.44	24.20	1.28	37.65	564.67	3.68	26.20	1.94	80.78	498.67	4.18	28.20	1.20	32.28	596.00	4.76
20.22	1.36	36.05	280.00	3.36	22.22	0.96	30.16	564.67	3.43	24.22	1.26	37.21	564.00	3.69	26.22	2.11	81.78	495.33	4.20	28.22	1.20	33.28	596.67	4.77
20.24	1.15	33.50	449.33	3.35	22.24	0.96	30.16	561.33	3.44	24.24	1.18	35.66	601.33	3.71	26.24	2.21	85.78	340.00	4.21	28.24	1.20	33.83	606.00	4.77
20.26	1.07	29.16	593.33	3.37	22.26	0.94	30.61	559.33	3.44	24.26	1.11	32.21	600.67	3.70	26.26	2.19	90.56	267.33	4.21	28.26	1.20	34.39	615.33	4.78
20.28	1.09	27.39	554.67	3.39	22.28	0.93	32.05	560.00	3.45	24.28	1.09	29.55	620.67	3.70	26.28	2.19	99.56	332.67	4.22	28.28	1.32	32.16	629.33	4.77
20.30	1.13	39.62	410.00	3.39	22.30	0.91	31.72	568.00	3.43	24.30	1.31	26.24	290.67	3.69	26.30	2.18	110.89	388.00	4.24	28.30	1.37	31.83	631.33	4.77
20.32	1.33	44.63	414.67	3.39	22.32	0.91	30.94	596.67	3.43	24.32	1.29	31.02	349.33	3.71	26.32	2.12	110.02	420.00	4.24	28.32	1.42	31.50	633.33	4.77
20.34	1.29	43.52	472.00	3.40	22.34	0.55	8.17	578.00	3.45	24.34	1.20	33.59	395.33	3.72	26.34	2.22	117.02	369.33	4.24	28.34	1.36	34.61	603.33	4.79
20.36	1.31	42.19	480.00	3.40	22.36	1.06	25.62	620.67	3.43	24.36	1.16	33.36	500.67	3.74	26.36	2.31	124.02	318.67	4.24	28.36	1.35	35.51	527.33	4.80
20.38	1.32	42.29	472.00	3.41	22.38	1.07	26.73	509.33	3.44	24.38	1.17	30.92	554.67	3.73	26.38	2.22	127.79	288.67	4.24	28.38	1.32	40.95	584.00	4.79
20.40	1.30	43.85	446.00	3.40	22.40	1.08	27.06	588.67	3.43	24.40	1.24	29.81	600.00	3.73	26.40	2.23	132.01	334.67	4.24	28.40	1.35	42.06	606.00	4.80
20.42	1.29	45.07	450.67	3.43	22.42	1.10	28.73	634.00	3.44	24.42	1.32	30.48	649.33	3.73	26.42	2.22	134.90	377.33	4.25	28.42	1.36	42.17	610.00	4.81
20.44	1.22	47.07	444.00	3.41	22.44	1.07	27.84	594.00	3.44	24.44	1.49	30.37	648.00	3.73	26.44	2.19	137.90	480.67	4.25	28.44	1.37	42.28	614.00	4.82
20.46	1.21	48.96	422.00	3.43	22.46	1.05	28.51	594.00	3.46	24.46	1.62	32.26	622.00	3.73	26.46	2.27	138.23	446.00	4.24	28.46	1.25	42.62	597.33	4.80
20.48	1.18	51.62	434.67	3.43	22.48	1.07	29.84	644.00	3.45	24.48	1.54	33.26	464.00	3.75	26.48	2.30	134.12	362.00	4.25	28.48	1.21	42.06	619.33	4.81
20.50	1.13	54.73	469.33	3.44	22.50	1.07	28.39	660.67	3.44	24.50	1.53	35.15	442.00	3.76	26.50	2.29	132.78	330.00	4.25	28.50	1.15	37.61	642.00	4.80
20.52	1.10	56.62	489.33	3.44	22.52	1.15	27.06	660.67	3.46	24.52	1.54	37.82	464.67	3.76	26.52	2.29	129.11	310.00	4.26	28.52	1.19	32.73	660.67	4.81
20.54	1.13	56.40	511.33	3.43	22.54	1.19	28.06	664.00	3.46	24.54	1.65	37.93	722.00	3.76	26.54	2.30	125.99	296.67	4.27	28.54	1.19	30.50	667.33	4.81
20.56	1.14	53.07	532.67	3.44	22.56	1.24	27.28	668.00	3.45	24.56	1.72	40.59	692.00	3.78	26.56	2.24	124.88	328.00	4.29	28.56	1.20	28.95	664.67	4.82
20.58	1.15	50.73	543.33	3.44	22.58	1.27	29.06	668.00	3.45	24.58	1.78	43.27	702.00	3.76	26.58	2.22	123.10	303.33	4.31	28.58	1.18	27.28	664.67	4.81
20.60	1.17	48.95	543.33	3.44	22.60	1.27	30.17	610.00	3.47	24.60	1.79	46.15	617.33	3.78	26.60	2.26	129.55	348.00	4.32	28.60	1.21	25.39	672.00	4.81
20.62	1.21	45.06	537.33	3.44	22.62	1.30	31.62	627.33	3.47	24.62	1.83	48.15	445.33	3.79	26.62	2.33	134.55	399.33	4.33	28.62	1.29	24.84	682.00	4.82
20.64	1.21	43.17	506.67	3.44	22.64	1.29	35.17	656.67	3.47	24.64	1.76	50.04	576.00	3.81	26.64	2.44	138.21	374.00	4.36	28.64	1.30	24.06	683.33	4.84
20.66	1.23	42.51	528.00	3.45	22.66	1.31	37.95	670.67	3.47	24.66	1.66	54.82	644.00	3.79	26.66	2.40	141.43	278.00	4.36	28.66	1.33	25.84	682.00	4.86
20.68	1.21	41.84	506.00	3.45	22.68	1.49	37.62	638.00	3.47	24.68	1.66	59.38	706.67	3.79	26.68	2.35	144.10	306.00	4.36	28.68	1.36	27.50	682.00	4.85
20.70	1.21	41.62	510.00	3.45	22.70	1.51	39.84	580.00	3.48	24.70	1.88	61.71	830.67	3.80	26.70	2.35	145.87	255.33	4.38	28.70	1.35	30.39	682.00	4.85
20.72	1.19	42.84	482.00	3.47	22.72	1.48	43.51	546.00	3.48	24.72	2.02	60.60	352.00	3.80	26.72	2.34	147.09	238.00	4.39	28.72	1.41	32.84	690.00	4.84
20.74	1.15	43.06	446.67	3.46	22.74	1.40	49.29	210.67	3.48	24.74	1.99	57.15	210.67	3.81	26.74	2.29	146.86	215.33	4.40	28.74	1.42	34.28	682.00	4.85
20.76	1.13	44.50	461.33	3.45	22.76	1.31	51.84	436.00	3.48	24.76	1.88	63.38	316.67	3.83	26.76	2.22	150.08	232.67	4.41	28.76	1.42	36.39	686.67	4.85
20.78	1.08	42.84	480.00	3.45	22.78	1.29	55.51	498.67	3.48	24.78	1.79	72.93	740.67	3.82	26.78	2.17	150.64	233.33	4.42	28.78	1.40	37.95	642.67	4.86
20.80	1.06	41.05	490.67	3.47	22.80	1.30	58.39	546.67	3.49	24.80	1.78	76.38	700.67	3.84	26.80	2.12	151.19	234.00	4.43	28.80	1.35	42.84	670.67	4.85
20.82	1.02	39.39	483.33	3.46	22.82	1.31	62.17	575.33	3.50	24.82	1.76	75.59	673.33	3.85	26.82	1.93	135.42	176.67	4.43	28.82	1.35	44.61	726.00	4.86
20.84	1.00	40.05	516.00	3.46	22.84	1.33	64.73	576.67	3.49	24.84	1.78	79.93	673.33	3.85	26.84	1.88	133.53	202.00	4.44	28.84	1.36	43.28	736.00	4.86.



**COMMITTENTE:** **A.I.PO Parma - Strada G. Garibaldi 75 - Parma**

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

CPT N° 69 CPT SIS

DATA 28/04/15

COMMESSA 13931/14

PROF. FALDA (m da p.c.)

PREFORO (m da p.c.)

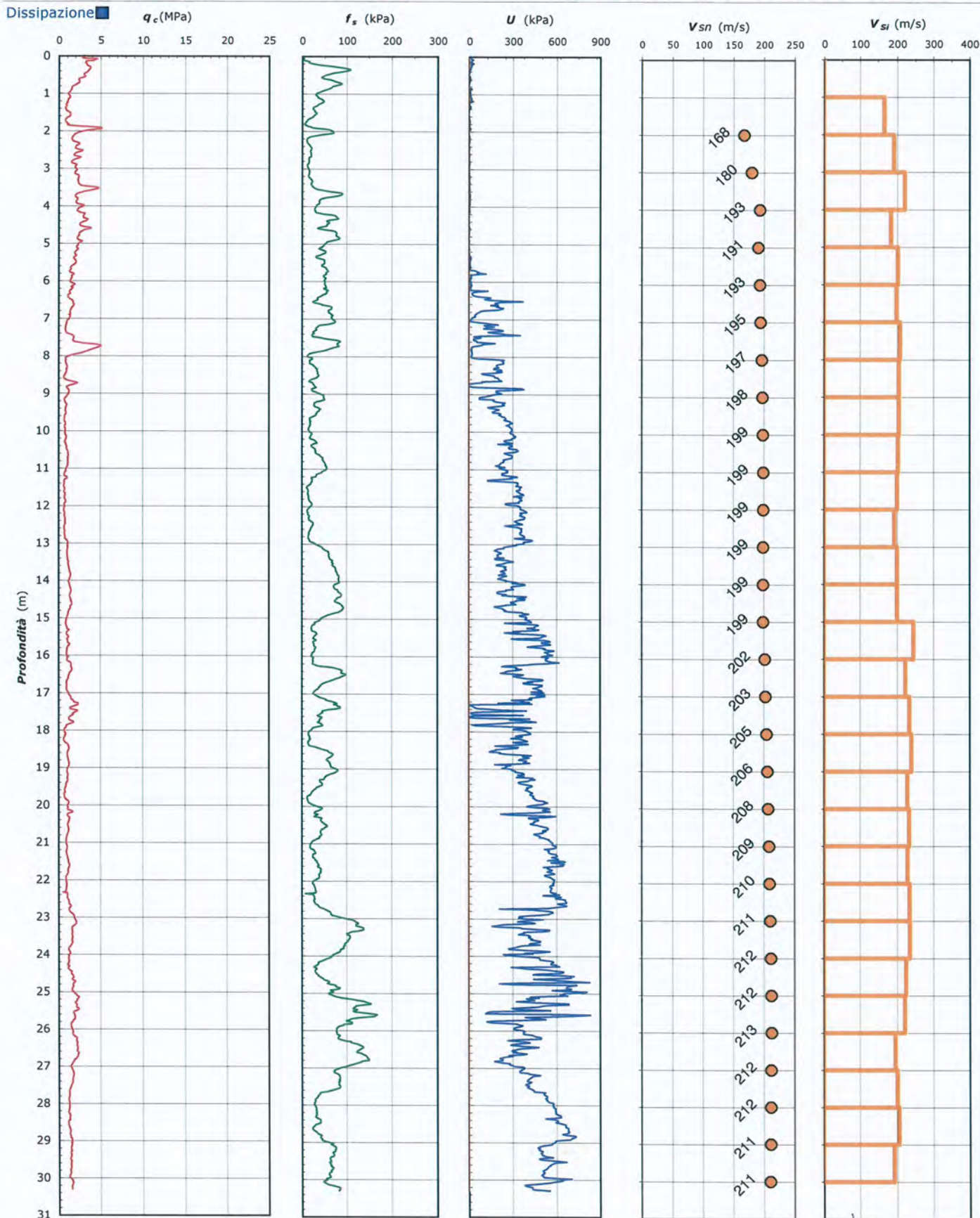
C. SITO N°:

N. R. PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

LAT. (WGS 84): 44.715396°

S150460 del 30.06.15

LONG. (WGS 84): 11.032504°



Lo Sperimentatore:  
dott. Luciano Rossi

S150460-069 CPT SIS.xls - pag 4 di 6

Il Direttore del Laboratorio:  
dott. geol. Massimo Romagnoli

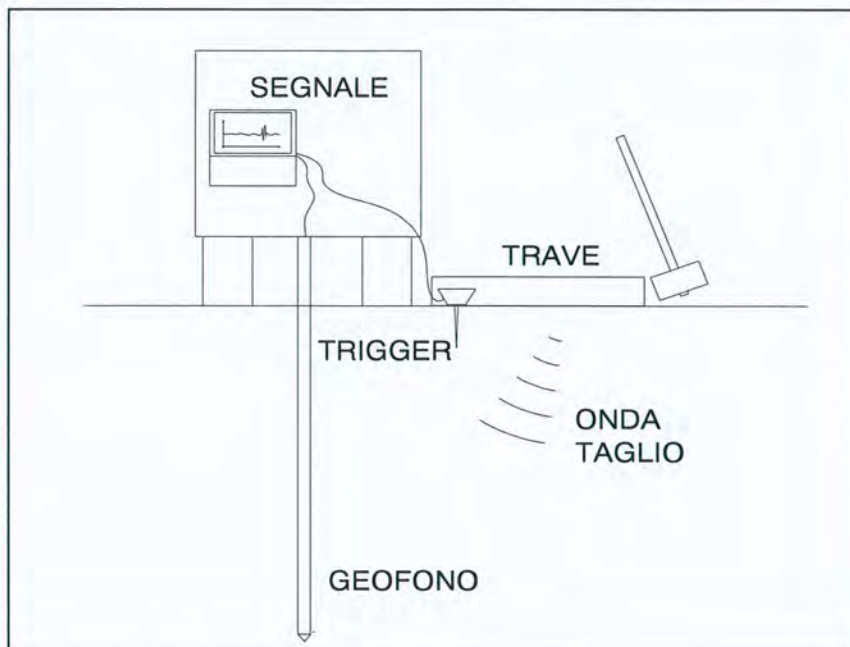


**COMMITTENTE:** A.I.PO Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

CPT N° 69 CPT SIS PROF. Falda (m da p.c.) N. R. PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]  
DATA 28/04/15 PREFORO (m da p.c.) LAT. (WGS 84): 44.715396°  
COMMESSA 13931/14 C. SITO N°: S150460 del 30.06.15 LONG. (WGS 84): 11.032504°

### Prova Down Hole ASTM D 7400



Profondità (m)	Ts (ms)	L (m)	Vs (m/s)	Vis (m/s)
1.0	T0	1.42	-	-
2.0	4.92	2.25	168	168
3.0	9.74	3.18	180	193
4.0	14.07	4.14	193	223
5.0	19.36	5.12	191	185
6.0	24.21	6.11	193	204
7.0	29.16	7.10	195	200
8.0	33.91	8.09	197	209
9.0	38.75	9.09	198	206
10.0	43.59	10.08	199	206
11.0	48.49	11.08	199	204
12.0	53.46	12.08	199	201
13.0	58.63	13.08	199	193
14.0	63.59	14.08	199	201
15.0	68.57	15.08	199	201
16.0	72.65	16.08	202	246
17.0	77.12	17.08	203	224
18.0	81.40	18.08	205	235
19.0	85.57	19.09	206	240
20.0	89.94	20.09	208	229
21.0	94.23	21.09	209	234
22.0	98.59	22.10	210	230
23.0	102.85	23.10	211	236
24.0	107.12	24.11	212	236
25.0	111.58	25.11	212	226
26.0	116.11	26.12	213	222
27.0	121.23	27.13	212	196
28.0	126.20	28.13	212	202
29.0	131.08	29.14	211	207
30.0	136.29	30.15	211	193

CATEGORIA SOTTOSUOLO

**C**

**V<sub>s,30</sub> = 211 m/s**

Intervallo di profondità considerato per il calcolo della Vs30: m 1.0 - 30.0

D = Distanza centro trave generatrice onde di taglio - verticale di prov 1.00  
Profondità = Profondità punta da piano campagna  
Ts = Tempo percorrenza onda di taglio  
L = Lunghezza percorso onda di taglio  
Vs = Velocità onde di taglio da piano campagna alla profondità indicata = 30.0 m  
Vis = Velocità onde di taglio nello strato di terreno compreso fra le due profondità indicate  
N.B.: il calcolo del percorso delle onde di taglio viene corretto per l'inclinazione zenitale e per la deriva azimutale della punta



**COMMITTENTE:** A.I.P.O Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

CPT N° 69 CPT SIS

DATA 28/04/15

COMMESSA 13931/14

PROF. FALDA (m da p.c.)

PREFORO (m da p.c.)

C. SITO N°:

N. R. PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

LAT. (WGS 84): 44.715396°

S150460 del 30.06.15

LONG. (WGS 84): 11.032504°

#### UBICAZIONE

Località: Arginature Fiume Panaro, Provincia di Modena.



NOTE: Utilizzato 1 anello allargatore da inizio prova



**COMMITTENTE: A.I.P.O Parma - Strada G. Garibaldi 75 - Parma**
**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

**PROVA N°:** 069 CPT 1 SA

**PROF. PALDA (m da p.c.):** VON DET **PUNTA:** Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

**DATA:** 27/04/15

**PREFORO (m da p.c.):**
**LAT. (WGS 84):** 44.714299°

**LONG. (WGS 84):** 11.031225°

**COMMESSA:** 13931/14

**C. SITO N°:** S150456 del 30.06.15 **OPERATORE:** L. Zanirato

prof. m	qc kPa	fs kPa	U kPa	incl. gradi	prof. m	qc kPa	fs kPa	U kPa	incl. gradi	prof. m	qc kPa	fs kPa	U kPa	incl. gradi	prof. m	qc kPa	fs kPa	U kPa	incl. gradi	prof. m	qc kPa	fs kPa	U kPa	incl. gradi
0.02	7.85	2.89	26.67	2.29	2.02	1.43	14.11	15.33	1.12	4.02	1.58	28.14	17.33	1.33	6.02	3.02	121.54	30.00	1.25	8.02	0.83	35.78	152.67	1.51
0.04	7.33	4.24	23.33	0.03	2.04	1.29	13.44	17.33	1.11	4.04	1.48	29.03	16.67	1.32	6.04	3.17	119.76	30.67	1.27	8.04	0.76	33.56	150.67	1.50
0.06	7.91	3.90	20.67	0.33	2.06	1.16	11.40	14.00	1.13	4.06	1.42	27.15	14.00	1.34	6.06	3.23	122.42	28.00	1.26	8.06	0.74	32.56	150.67	1.52
0.08	8.81	15.01	24.00	0.59	2.08	1.17	12.07	14.67	1.13	4.08	1.41	25.59	13.33	1.35	6.08	3.32	125.64	20.67	1.28	8.08	0.70	30.89	151.33	1.51
0.10	11.47	36.12	30.67	0.42	2.10	1.25	13.85	15.33	1.16	4.10	1.47	22.93	12.67	1.36	6.10	3.37	119.52	11.33	1.30	8.10	0.70	29.00	152.67	1.51
0.12	10.91	51.68	27.33	0.50	2.12	1.38	13.85	14.67	1.14	4.12	1.47	17.93	14.00	1.35	6.12	2.92	129.07	8.00	1.29	8.12	0.85	22.91	150.67	1.52
0.14	10.40	76.12	28.00	0.48	2.14	1.46	14.74	14.67	1.14	4.14	1.58	14.27	13.33	1.36	6.14	2.55	131.52	4.00	1.31	8.14	0.81	26.24	149.33	1.53
0.16	9.55	99.01	26.00	0.57	2.16	1.43	15.97	14.00	1.16	4.16	1.77	12.71	14.00	1.37	6.16	2.28	132.85	2.00	1.31	8.16	0.73	27.47	143.33	1.52
0.18	8.85	125.23	24.00	0.71	2.18	1.35	16.97	14.67	1.13	4.18	2.07	13.82	14.00	1.35	6.18	2.08	135.19	6.67	1.29	8.18	0.69	27.80	144.00	1.52
0.20	7.84	145.68	20.67	0.83	2.20	1.28	17.19	15.33	1.15	4.20	2.16	16.48	13.33	1.35	6.20	1.94	133.85	8.00	1.30	8.20	0.61	26.02	146.67	1.53
0.22	7.03	162.01	22.67	0.82	2.22	1.28	17.52	15.33	1.15	4.22	1.94	18.27	14.00	1.36	6.22	1.86	124.07	4.00	1.30	8.22	0.60	23.35	152.00	1.54
0.24	6.07	168.45	16.00	0.89	2.24	1.40	16.86	14.00	1.16	4.24	1.79	18.71	12.67	1.37	6.24	1.80	109.85	2.00	1.30	8.24	0.58	20.02	152.67	1.54
0.26	5.21	165.89	15.33	0.91	2.26	1.58	16.64	14.67	1.15	4.26	1.69	18.93	13.33	1.38	6.26	1.76	93.07	2.00	1.29	8.26	0.57	17.35	154.67	1.54
0.28	4.49	155.88	14.67	0.91	2.28	1.65	16.19	14.67	1.15	4.28	1.61	18.82	13.33	1.37	6.28	1.78	80.51	2.67	1.29	8.28	0.60	13.80	158.00	1.56
0.30	4.10	138.55	15.33	0.81	2.30	1.59	15.08	14.67	1.18	4.30	1.54	19.49	15.33	1.37	6.30	1.78	72.39	4.00	1.28	8.30	0.73	13.69	152.00	1.54
0.32	3.86	120.87	15.33	0.80	2.32	1.53	14.20	16.67	1.17	4.32	1.50	18.93	14.00	1.36	6.32	1.79	67.84	2.00	1.29	8.32	0.69	14.91	127.33	1.55
0.34	3.60	102.75	16.00	0.80	2.34	1.39	14.08	14.00	1.15	4.34	1.49	15.71	14.67	1.36	6.34	1.73	66.28		1.27	8.34	0.64	16.80	118.67	1.55
0.36	3.31	86.08	16.67	0.79	2.36	1.37	14.08	16.67	1.17	4.36	1.54	13.60	14.00	1.37	6.36	1.73	66.95	1.33	1.28	8.36	0.69	17.58	128.67	1.54
0.38	3.00	75.63	15.33	0.77	2.38	1.37	14.86	16.67	1.16	4.38	1.50	11.93	14.67	1.36	6.38	1.69	67.72	1.33	1.28	8.38	0.81	18.80	161.33	1.56
0.40	2.77	68.73	16.00	0.79	2.40	1.38	14.87	16.67	1.19	4.40	1.73	12.15	13.33	1.37	6.40	1.64	68.94	2.00	1.28	8.40	0.95	19.35	140.67	1.57
0.42	2.66	69.95	14.67	0.79	2.42	1.42	14.31	16.67	1.15	4.42	2.04	13.15	13.33	1.36	6.42	1.51	70.83	2.00	1.28	8.42	1.01	23.02	94.00	1.57
0.44	2.52	65.23	11.33	0.77	2.44	1.51	14.09	14.67	1.18	4.44	2.30	13.93	12.67	1.36	6.44	1.50	70.72	2.00	1.28	8.44	1.11	25.58	80.67	1.59
0.46	2.42	64.79	11.33	0.74	2.46	1.52	13.65	15.33	1.17	4.46	2.32	15.04	14.67	1.37	6.46	1.40	70.61	3.33	1.28	8.46	1.22	27.91	86.00	1.59
0.48	2.33	66.12	9.33	0.77	2.48	1.55	13.87	15.33	1.18	4.48	2.25	16.93	13.33	1.36	6.48	1.34	70.28	23.33	1.29	8.48	1.58	29.02	81.33	1.60
0.50	2.33	65.01	11.33	0.77	2.50	1.57	14.10	16.67	1.17	4.50	2.08	18.71	14.67	1.36	6.50	1.37	67.17	53.33	1.30	8.50	1.64	30.80	59.33	1.60
0.52	2.35	62.12	11.33	0.77	2.52	1.62	14.54	15.33	1.17	4.52	1.85	21.59	13.33	1.36	6.52	1.37	62.28	51.33	1.30	8.52	1.41	34.58	44.67	1.60
0.54	2.28	59.45	10.67	0.78	2.54	1.62	14.21	16.67	1.19	4.54	1.70	21.26	14.67	1.33	6.54	1.44	60.28	49.33	1.32	8.54	1.22	36.58	22.00	1.60
0.56	2.28	56.45	12.00	0.77	2.56	1.72	14.43	16.67	1.16	4.56	1.65	21.59	14.67	1.33	6.56	1.36	58.06	45.33	1.31	8.56	1.05	38.47	90.67	1.61
0.58	2.27	58.00	10.67	0.79	2.58	1.79	14.98	15.33	1.17	4.58	1.62	22.82	14.00	1.35	6.58	1.25	54.94	42.67	1.32	8.58	1.01	36.91	139.33	1.61
0.60	2.34	63.78	10.67	0.80	2.60	2.04	15.21	14.00	1.18	4.60	1.78	22.93	14.67	1.34	6.60	1.14	52.39	42.67	1.33	8.60	1.05	35.80	180.67	1.63
0.62	2.41	68.78	11.33	0.80	2.62	2.21	14.88	15.33	1.17	4.62	2.07	22.59	13.33	1.37	6.62	0.99	50.06	41.33	1.34	8.62	1.05	37.24	182.67	1.62
0.64	2.39	67.89	10.67	0.81	2.64	2.29	15.10	14.00	1.19	4.64	1.96	23.70	13.33	1.36	6.64	0.87	49.83	40.00	1.34	8.64	1.01	38.80	185.33	1.62
0.66	2.30	66.11	9.33	0.83	2.66	2.18	14.99	15.33	1.19	4.66	1.76	24.81	12.67	1.35	6.66	0.81	50.06	40.00	1.36	8.66	1.11	39.69	192.67	1.63
0.68	2.24	64.78	10.67	0.83	2.68	2.06	15.99	14.67	1.21	4.68	1.60	23.82	13.33	1.38	6.68	0.78	49.39	40.67	1.34	8.68	1.07	38.13	190.00	1.62
0.70	2.21	63.22	8.67	0.83	2.70	1.86	16.21	15.33	1.20	4.70	1.47	24.48	15.33	1.37	6.70	0.80	45.61	41.33	1.34	8.70	1.18	36.24	190.00	1.62
0.72	2.14	62.44	10.67	0.85	2.72	1.64	16.21	15.33	1.20	4.72	1.40	24.59	13.33	1.38	6.72	0.80	39.95	41.33	1.33	8.72	1.24	37.91	170.00	1.62
0.74	2.11	63.00	9.33	0.87	2.74	1.53	16.43	15.33	1.20	4.74	1.25	25.59	14.67	1.36	6.74	0.81	35.62	41.33	1.36	8.74	1.25	40.91	170.67	1.64
0.76	2.11	60.44	9.33	0.85	2.76	1.39	16.32	15.33	1.22	4.76	1.29	29.59	12.67	1.37	6.76	0.78	30.39	41.33	1.37	8.76	1.23	44.68	169.33	1.65
0.78	2.06	55.56	8.67	0.86	2.78	1.35	15.55	15.33	1.19	4.78	1.22	33.92	15.33	1.38	6.78	0.70	26.51	42.00	1.38	8.78	1.22	45.46	117.33	1.65
0.80	1.91	53.33	8.00	0.87	2.80	1.28	14.44	15.33	1.21	4.80	1.17	36.48	14.00	1.37	6.80	0.68	22.95	45.33	1.38	8.80	1.16	50.13	103.33	1.65
0.82	1.65	51.44	6.67	0.88	2.82	1.24	13.10	15.33	1.22	4.82	1.19	36.37	14.67	1.39	6.82	0.67	19.84	51.33	1.38	8.82	1.11	54.91	97.33	1.66
0.84	1.50	48.89	6.67	0.86	2.84	1.17	11.10	18.00	1.19	4.84	1.20	39.48	12.67	1.39	6.84	0.67	17.95	60.00	1.39	8.84	1.08	57.46	99.33	1.66
0.86	1.46	45.89	7.33	0.90	2.86	1.23	9.88	14.67	1.22	4.86	1.37	44.03	5.33	1.38	6.86	0.68	19.74	62.00	1.39	8.86	1.04	58.35	97.33	1.66
0.88	1.41	44.11	9.33	0.90	2.88	1.28	8.88	15.33	1.23	4.88	1.62	40.70	3.33	1.38	6.88									



**COMMITTENTE: A.I.P.O Parma - Strada G. Garibaldi 75 - Parma**
**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

**PROVA N°:** 069 CPT 1 SA **PROF. FALDA (m da p.c.):** VON DET **PUNTA: Tecnopenta G1-CP12IN (matr. 121114)[a = 0.66]**
**DATA:** 27/04/15 **PREFORO (m da p.c.):** LAT. (WGS 84): 44.714299° **LONG. (WGS 84):** 11.031225°

**COMMESSA:** 13931/14 **C. SITO N°:** S150456 del 30.06.15 **OPERATORE:** L. Zanirato

prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
10.02	0.87	20.68	292.00	1.83	12.02	0.76	17.02	392.00	2.24	14.02	1.23	78.23	228.67	2.39	16.02	1.71	80.59	247.33	2.66	18.02	1.12	35.48	298.00	2.87
10.04	0.90	21.91	308.67	1.83	12.04	0.84	17.58	395.33	2.23	14.04	1.22	79.00	248.67	2.40	16.04	1.69	93.82	283.33	2.68	18.04	1.13	36.26	298.67	2.86
10.06	0.94	25.35	303.33	1.82	12.06	0.95	17.59	395.33	2.24	14.06	1.23	77.11	231.33	2.41	16.06	1.69	101.59	288.67	2.68	18.06	1.17	36.48	294.00	2.86
10.08	0.98	26.24	331.33	1.82	12.08	0.97	20.03	370.00	2.23	14.08	1.23	74.67	222.00	2.41	16.08	1.71	105.70	298.00	2.67	18.08	1.18	36.92	292.67	2.86
10.10	1.00	26.79	309.33	1.81	12.10	0.99	22.59	354.67	2.23	14.10	1.18	71.22	202.00	2.42	16.10	1.71	105.92	292.00	2.68	18.10	1.19	37.70	292.00	2.86
10.12	1.05	31.46	295.33	1.83	12.12	0.97	27.03	347.33	2.24	14.12	1.11	68.88	224.00	2.42	16.12	1.72	102.70	280.00	2.67	18.12	1.20	38.37	291.33	2.87
10.14	1.10	34.24	280.67	1.83	12.14	0.97	30.25	346.00	2.23	14.14	1.07	67.88	233.33	2.42	16.14	1.77	102.25	280.67	2.69	18.14	1.24	39.37	290.67	2.86
10.16	1.11	36.02	266.00	1.84	12.16	1.02	29.37	358.67	2.23	14.16	1.00	67.22	236.00	2.41	16.16	1.75	104.25	288.67	2.68	18.16	1.24	40.70	290.67	2.87
10.18	1.12	39.80	270.00	1.82	12.18	1.12	32.70	366.00	2.23	14.18	0.92	65.56	245.33	2.42	16.18	1.73	105.36	289.33	2.69	18.18	1.26	41.82	289.33	2.88
10.20	1.08	43.35	273.33	1.84	12.20	1.16	35.70	354.67	2.24	14.20	0.95	65.56	250.00	2.41	16.20	1.75	106.59	288.00	2.70	18.20	1.24	42.48	288.67	2.87
10.22	1.06	46.80	262.00	1.83	12.22	1.00	36.71	340.67	2.24	14.22	0.91	63.34	254.00	2.43	16.22	1.70	107.91	338.67	2.71	18.22	1.26	43.15	288.00	2.87
10.24	1.02	48.24	276.67	1.84	12.24	0.88	35.71	314.67	2.24	14.24	0.89	58.67	256.00	2.42	16.24	1.64	102.57	264.67	2.68	18.24	1.26	43.71	285.33	2.86
10.26	1.02	49.80	264.67	1.84	12.26	0.81	33.82	414.00	2.25	14.26	0.88	52.67	262.00	2.42	16.26	1.60	103.79	245.33	2.70	18.26	1.28	44.38	283.33	2.87
10.28	1.02	52.58	289.33	1.83	12.28	0.81	30.60	442.67	2.25	14.28	0.87	47.11	247.33	2.43	16.28	1.58	103.46	263.33	2.70	18.28	1.30	44.60	281.33	2.87
10.30	1.06	50.02	226.00	1.84	12.30	0.82	27.82	454.67	2.25	14.30	0.84	43.23	256.00	2.42	16.30	1.47	105.02	280.67	2.70	18.30	1.29	46.71	276.00	2.86
10.32	1.04	47.91	248.67	1.84	12.32	0.89	25.04	441.33	2.26	14.32	0.87	39.34	274.00	2.42	16.32	1.46	106.24	302.00	2.70	18.32	1.29	47.49	272.00	2.86
10.34	1.04	47.02	292.67	1.85	12.34	0.89	23.82	448.67	2.27	14.34	0.98	35.01	273.33	2.42	16.34	1.46	101.46	325.33	2.70	18.34	1.30	48.27	269.33	2.86
10.36	1.02	47.35	311.33	1.86	12.36	0.87	21.37	443.33	2.27	14.36	1.00	33.78	209.33	2.43	16.36	1.41	100.34	332.00	2.70	18.36	1.29	49.27	262.00	2.86
10.38	1.05	45.57	320.00	1.85	12.38	0.82	20.37	439.33	2.27	14.38	1.03	33.23	202.67	2.42	16.38	1.39	95.90	325.33	2.71	18.38	1.28	50.04	260.00	2.87
10.40	1.05	44.24	324.00	1.87	12.40	0.81	18.59	432.67	2.26	14.40	1.03	34.01	182.00	2.43	16.40	1.47	90.45	318.67	2.70	18.40	1.28	51.04	258.00	2.86
10.42	1.06	43.35	302.00	1.87	12.42	0.81	19.15	452.67	2.25	14.42	1.01	34.45	151.33	2.42	16.42	1.47	86.89	335.33	2.71	18.42	1.29	51.93	258.00	2.87
10.44	1.06	43.91	294.67	1.86	12.44	0.87	19.37	420.67	2.27	14.44	0.95	36.23	180.67	2.43	16.44	1.48	83.23	329.33	2.70	18.44	1.28	52.60	258.00	2.86
10.46	1.04	44.35	300.00	1.86	12.46	0.94	21.15	438.67	2.27	14.46	0.93	38.23	283.33	2.42	16.46	1.52	79.89	279.33	2.70	18.46	1.29	53.82	258.00	2.87
10.48	0.99	45.24	300.00	1.86	12.48	0.99	22.93	436.67	2.27	14.48	0.87	38.90	244.67	2.42	16.48	1.52	80.00	239.33	2.70	18.48	1.30	55.16	261.33	2.87
10.50	0.94	45.02	277.33	1.87	12.50	1.01	24.70	464.67	2.27	14.50	0.90	38.68	290.67	2.43	16.50	1.51	83.56	232.00	2.72	18.50	1.29	56.27	262.00	2.88
10.52	0.89	46.24	272.00	1.87	12.52	0.83	24.70	432.67	2.23	14.52	0.83	35.90	269.33	2.42	16.52	1.52	86.78	236.00	2.70	18.52	1.29	57.93	262.67	2.87
10.54	0.82	47.12	263.33	1.88	12.54	0.94	25.04	370.00	2.26	14.54	0.89	32.57	388.67	2.44	16.54	1.52	92.11	244.00	2.72	18.54	1.29	58.71	262.00	2.87
10.56	0.78	48.35	284.00	1.89	12.56	0.81	27.70	371.33	2.25	14.56	0.86	31.46	351.33	2.44	16.56	1.51	95.55	276.67	2.71	18.56	1.28	59.82	263.33	2.87
10.58	0.73	47.01	272.67	1.89	12.58	0.84	27.48	380.00	2.28	14.58	0.83	30.35	378.67	2.44	16.58	1.53	99.44	295.33	2.72	18.58	1.25	58.83	261.33	2.87
10.60	0.73	44.35	272.67	1.88	12.60	0.90	27.15	417.33	2.27	14.60	0.81	27.68	405.33	2.44	16.60	1.58	101.33	256.00	2.71	18.60	1.25	59.16	260.00	2.87
10.62	0.71	43.68	287.33	1.90	12.62	1.05	26.60	435.33	2.27	14.62	0.93	26.57	419.33	2.44	16.62	1.56	101.77	248.67	2.72	18.62	1.23	59.38	258.67	2.88
10.64	0.64	39.79	304.00	1.90	12.64	1.13	25.04	314.00	2.28	14.64	1.00	25.57	414.67	2.46	16.64	1.47	100.44	229.33	2.73	18.64	1.26	59.38	258.67	2.88
10.66	0.64	35.68	316.67	1.89	12.66	1.14	28.93	257.67	2.29	14.66	1.07	25.80	380.67	2.44	16.66	1.45	98.43	202.67	2.72	18.66	1.26	60.38	258.67	2.86
10.68	0.63	32.01	327.33	1.89	12.68	1.11	34.04	262.00	2.27	14.68	1.08	29.69	383.33	2.44	16.68	1.42	95.99	192.67	2.73	18.68	1.25	60.94	258.67	2.87
10.70	0.61	25.90	328.00	1.89	12.70	1.08	37.60	250.67	2.28	14.70	1.10	32.13	398.67	2.45	16.70	1.36	96.43	189.33	2.74	18.70	1.25	61.60	258.67	2.87
10.72	0.69	21.23	318.00	1.90	12.72	1.06	40.15	248.67	2.28	14.72	1.17	33.35	440.00	2.46	16.72	1.30	97.88	208.00	2.74	18.72	1.25	62.49	259.33	2.87
10.74	0.72	20.12	314.67	1.90	12.74	1.07	43.04	244.67	2.28	14.74	1.19	34.58	444.00	2.43	16.74	1.27	99.65	255.33	2.74	18.74	1.25	62.83	259.33	2.88
10.76	0.72	17.90	304.00	1.91	12.76	1.08	48.04	246.67	2.29	14.76	1.25	36.91	422.00	2.46	16.76	1.23	98.43	305.33	2.75	18.76	1.25	62.49	255.33	2.88
10.78	0.78	19.23	306.67	1.91	12.78	1.09	53.93	248.00	2.28	14.78	1.28	40.36	375.33	2.46	16.78	1.27	96.76	309.33	2.76	18.78	1.25	62.94	255.33	2.87
10.80	0.80	23.01	309.33	1.90	12.80	1.07	56.38	254.67	2.29	14.80	1.30	45.80	373.33	2.45	16.80	1.34	91.87	298.00	2.76	18.80	1.26	62.83	254.00	2.86
10.82	0.80	21.34	298.67	1.91	12.82	1.11	56.82	256.00	2.28	14.82	1.34	51.02	368.67	2.45	16.82	1.33	84.32	276.67	2.76	18.82	1.28	62.49	251.33	2.88
10.84	0.77	22.46	298.00	1.91	12.84	1.1.																		



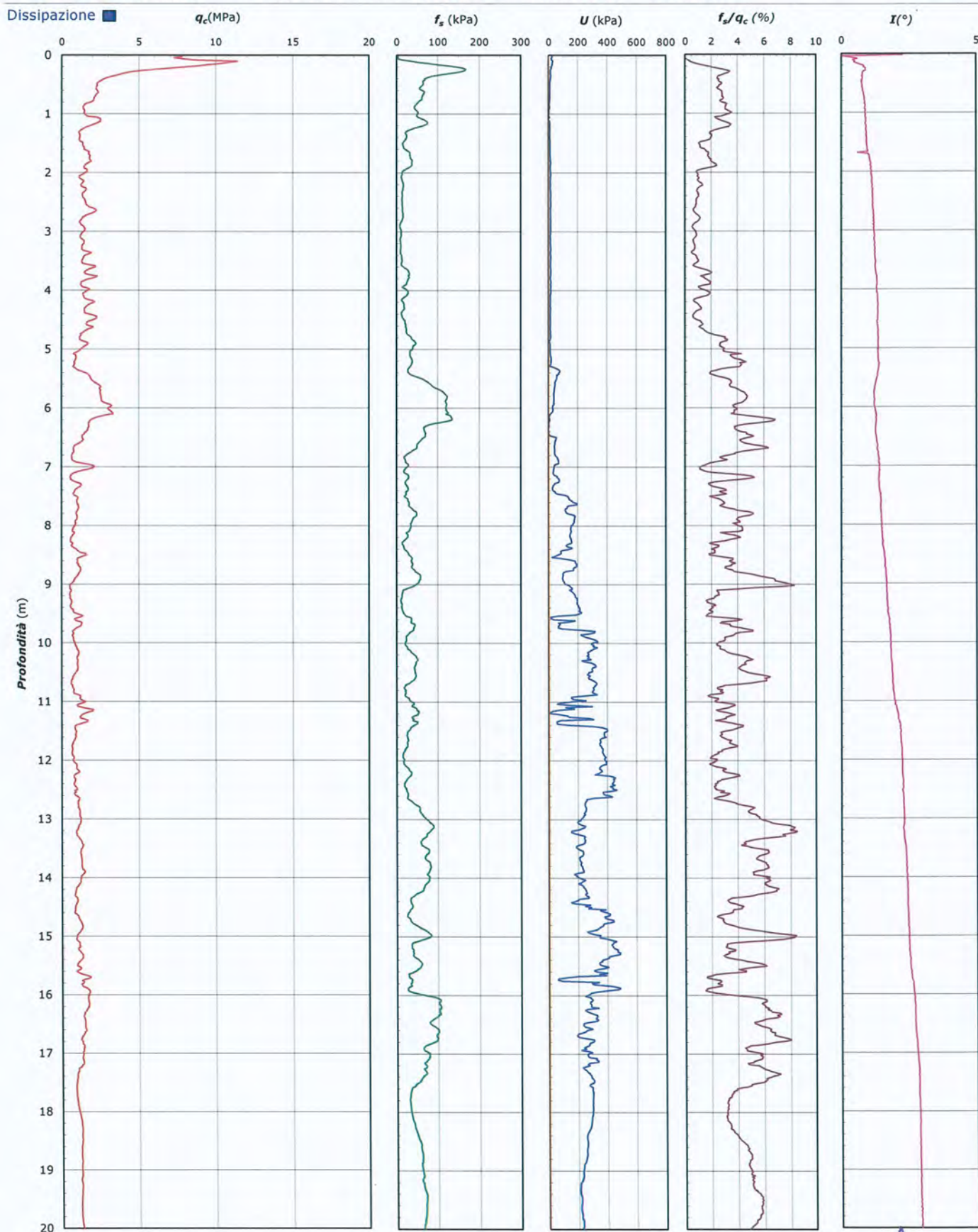
**COMMITTENTE:** A.I.PO Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 1 SA PROF. FALDA (m da p.c.): VON DET PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 27/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.714299° LONG. (WGS 84): 11.031225°

COMMESSA: 13931/14 C. SITO N°: S150456 del 30.06.15 OPERATORE: L. Zanirato



Lo Sperimentatore:  
dott. Luciano Rossi

S150456-069 CPT 1 SA - pag 3 di 4

Il Direttore Settore Prove in Sito:  
dott. Massimo Romagnoli



**COMMITTENTE:** A.I.PO Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 1 SA PROF. FALDA (m da p.c.): VON DET PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 27/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.714299° LONG. (WGS 84): 11.031225°

COMMESSA: 13931/14 C. SITO N°: S150456 del 30.06.15 OPERATORE: L. Zanirato

#### UBICAZIONE

Località: Arginature Fiume Panaro, Provincia di Modena.



NOTE: Utilizzato 1 anello allargatore da inizio prova



**COMMITTENTE:** A.I.PO Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 2 SA

PROF. FALDA (m da p.c.): NON DET PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 27/04/15

PREFORO (m da p.c.):

LAT. (WGS 84): 44.715672°

LONG. (WGS 84): 11.032982°

COMMESSA: 13931/14

C. SITO N°: S150457 del 30.06.15 OPERATORE: L. Zanirato

OPERATORE: L. Zanirato

prof. m	qc	fs	U	incl. gradi	prof. m	qc	fs	U	incl. gradi	prof. m	qc	fs	U	incl. gradi	prof. m	qc	fs	U	incl. gradi	prof. m	qc	fs	U	incl. gradi
0.02	7.41	6.99	24.00	1.28	2.02	1.77	24.67	38.67	1.64	4.02	1.66	36.46	17.33	1.45	6.02	1.05	44.87	108.67	1.37	8.02	1.63	27.87	12.00	1.13
0.04	10.33	6.88	19.33	1.30	2.04	1.80	24.79	38.67	1.65	4.04	1.55	34.12	20.00	1.45	6.04	1.20	45.42	150.67	1.37	8.04	1.47	29.21	4.67	1.10
0.06	10.35	12.22	20.67	1.21	2.06	2.46	18.58	22.00	1.60	4.06	1.51	29.79	18.00	1.46	6.06	1.27	43.87	110.67	1.37	8.06	1.27	30.98	4.00	1.09
0.08	10.68	20.44	14.00	1.93	2.08	2.27	16.69	25.33	1.62	4.08	1.51	16.68	20.67	1.45	6.08	1.16	42.53	58.67	1.36	8.08	1.15	28.33	3.33	1.10
0.10	8.49	39.56	12.67	1.28	2.10	2.10	17.69	25.33	1.61	4.10	1.61	14.24	16.67	1.43	6.10	1.53	44.60	6.67	1.33	8.10	0.86	34.11	7.33	1.10
0.12	8.13	67.55	6.67	1.84	2.12	1.87	18.13	26.00	1.59	4.12	1.70	12.46	18.67	1.47	6.12	1.40	45.71	6.00	1.33	8.12	0.75	38.44	102.67	1.10
0.14	7.83	84.21	24.00	1.71	2.14	1.84	19.35	24.00	1.58	4.14	1.81	11.91	18.67	1.46	6.14	1.28	50.60	4.00	1.33	8.14	0.64	36.33	226.67	1.10
0.16	7.49	104.88	35.33	2.00	2.16	1.84	20.58	24.00	1.58	4.16	1.88	12.12	16.67	1.45	6.16	1.30	54.93	6.00	1.33	8.16	0.62	25.77	300.00	1.09
0.18	7.15	123.21	40.00	2.04	2.18	1.90	21.57	25.33	1.58	4.18	1.88	13.90	16.67	1.45	6.18	1.37	57.93	4.00	1.32	8.18	0.69	20.66	232.67	1.08
0.20	6.98	139.54	40.67	1.72	2.20	2.18	22.24	22.67	1.56	4.20	1.83	14.79	18.67	1.43	6.20	1.24	56.71	3.33	1.32	8.20	0.76	17.44	166.67	1.08
0.22	6.57	155.87	44.67	1.79	2.22	2.70	21.24	22.67	1.56	4.22	1.83	14.91	20.00	1.47	6.22	1.05	53.82	6.00	1.31	8.22	0.75	19.88	140.67	1.09
0.24	6.18	158.42	42.00	1.92	2.24	3.60	20.02	22.67	1.55	4.24	1.80	15.46	18.67	1.46	6.24	0.99	52.05	4.00	1.31	8.24	0.72	22.22	130.00	1.09
0.26	5.45	161.31	46.00	1.89	2.26	2.96	25.35	22.00	1.53	4.26	1.73	16.35	18.00	1.46	6.26	0.90	50.15	7.33	1.29	8.26	0.60	23.77	130.00	1.09
0.28	4.98	167.20	42.67	1.90	2.28	2.60	27.24	22.00	1.54	4.28	1.70	15.79	20.00	1.46	6.28	0.90	47.93	22.67	1.30	8.28	0.59	25.55	125.33	1.08
0.30	4.61	167.97	43.33	1.92	2.30	2.19	26.69	22.67	1.54	4.30	1.75	15.24	16.67	1.46	6.30	0.91	42.70	64.00	1.29	8.30	0.63	31.44	158.00	1.09
0.32	4.59	159.74	40.67	1.90	2.32	1.93	28.91	22.67	1.51	4.32	1.81	14.46	17.33	1.45	6.32	1.00	38.48	108.00	1.28	8.32	0.54	31.56	197.33	1.09
0.34	4.47	147.40	39.33	1.84	2.34	1.60	29.80	26.00	1.52	4.34	1.88	13.79	17.33	1.44	6.34	1.09	36.26	100.67	1.28	8.34	0.51	29.55	221.33	1.09
0.36	4.29	129.29	37.33	1.82	2.36	1.49	30.35	24.00	1.52	4.36	1.84	13.68	18.67	1.46	6.36	1.19	36.92	99.33	1.28	8.36	0.54	25.78	218.67	1.09
0.38	4.11	114.39	36.67	1.82	2.38	1.45	29.80	24.00	1.50	4.38	1.82	13.90	18.67	1.46	6.38	1.25	35.70	173.33	1.26	8.38	0.58	22.89	238.00	1.08
0.40	3.90	97.72	36.00	1.81	2.40	1.45	22.24	24.67	1.51	4.40	1.89	14.46	17.33	1.44	6.40	1.32	31.81	218.00	1.26	8.40	0.68	20.67	269.33	1.08
0.42	3.57	82.15	35.33	1.81	2.42	1.60	17.35	25.33	1.51	4.42	1.93	14.90	18.67	1.46	6.42	1.36	26.14	186.00	1.27	8.42	0.77	18.67	229.33	1.09
0.44	3.31	71.26	36.00	1.78	2.44	2.04	16.91	22.67	1.52	4.44	1.98	16.01	20.00	1.45	6.44	1.43	27.80	169.33	1.28	8.44	0.72	17.99	218.00	1.09
0.46	3.08	61.25	35.33	1.78	2.46	2.39	16.35	22.00	1.54	4.46	2.12	17.90	17.33	1.44	6.46	1.55	33.25	159.33	1.28	8.46	0.64	17.00	247.33	1.06
0.48	2.88	58.25	35.33	1.77	2.48	2.31	14.57	24.00	1.51	4.48	2.19	18.57	18.00	1.44	6.48	1.60	37.80	116.00	1.27	8.48	0.53	14.99	296.67	1.05
0.50	2.71	56.91	35.33	1.78	2.50	2.25	15.57	21.33	1.52	4.50	2.13	20.90	18.67	1.45	6.50	1.66	44.69	126.00	1.27	8.50	0.63	13.56	310.67	1.06
0.52	2.54	55.35	34.67	1.79	2.52	2.11	16.68	22.67	1.51	4.52	2.12	21.57	17.33	1.42	6.52	1.72	51.69	144.00	1.26	8.52	0.63	14.11	302.00	1.06
0.54	2.42	54.12	33.33	1.77	2.54	1.99	17.46	22.67	1.54	4.54	2.13	23.57	18.00	1.43	6.54	1.81	56.58	96.67	1.26	8.54	0.68	15.00	276.00	1.05
0.56	2.34	50.79	33.33	1.78	2.56	1.90	18.12	24.00	1.52	4.56	2.08	25.91	16.67	1.44	6.56	1.87	62.24	45.33	1.26	8.56	0.72	16.23	260.00	1.06
0.58	2.26	46.12	32.00	1.76	2.58	1.94	18.68	22.67	1.50	4.58	1.95	26.57	17.33	1.42	6.58	1.88	69.02	45.33	1.24	8.58	0.77	17.34	248.67	1.04
0.60	2.18	43.12	32.00	1.76	2.60	2.16	18.68	22.00	1.51	4.60	1.90	28.01	20.00	1.45	6.60	1.90	77.69	76.67	1.24	8.60	0.77	18.78	262.00	1.04
0.62	2.14	40.89	33.33	1.77	2.62	2.80	17.91	21.33	1.51	4.62	1.89	29.13	17.33	1.46	6.62	1.93	83.13	97.33	1.23	8.62	0.82	20.01	256.00	1.03
0.64	2.11	39.89	31.33	1.75	2.64	3.54	17.01	20.00	1.52	4.64	1.84	28.12	18.00	1.46	6.64	1.98	82.35	49.33	1.23	8.64	0.88	21.78	285.33	1.04
0.66	1.81	42.67	33.33	1.78	2.66	3.19	18.90	20.00	1.51	4.66	1.94	27.79	18.67	1.47	6.66	2.00	88.13	50.00	1.23	8.66	0.95	22.45	330.00	1.02
0.68	1.85	42.89	32.67	1.82	2.68	2.80	20.57	21.33	1.52	4.68	2.12	27.35	16.67	1.47	6.68	1.98	94.91	66.00	1.23	8.68	1.04	23.45	233.33	1.03
0.70	1.51	39.00	32.67	1.80	2.70	2.48	21.68	22.67	1.51	4.70	2.34	26.68	16.67	1.48	6.70	2.00	99.13	58.67	1.23	8.70	1.13	23.67	175.33	1.01
0.72	1.35	44.66	32.67	1.80	2.72	2.27	23.46	21.33	1.50	4.72	2.46	27.45	14.67	1.47	6.72	2.06	101.68	56.67	1.23	8.72	1.21	29.01	169.33	1.03
0.74	1.35	45.44	31.33	1.77	2.74	2.12	24.68	22.00	1.50	4.74	2.57	29.90	17.33	1.49	6.74	2.05	103.35	44.00	1.22	8.74	1.21	33.45	150.67	1.03
0.76	1.39	43.89	31.33	1.80	2.76	2.17	26.13	22.00	1.50	4.76	2.47	33.01	16.67	1.49	6.76	1.96	106.67	34.00	1.22	8.76	1.22	38.12	116.00	1.01
0.78	1.39	43.44	32.00	1.79	2.78	2.50	26.68	20.00	1.51	4.78	2.28	36.23	15.33	1.47	6.78	1.96	107.56	27.33	1.22	8.78	1.19	42.45	66.00	1.02
0.80	1.42	41.67	31.33	1.79	2.80	3.11	24.12	20.00	1.50	4.80	2.08	36.34	18.00	1.47	6.80	1.87	109.44	31.33	1.20	8.80	1.12	49.56	50.00	1.01
0.82	1.46	40.33	31.33	1.79	2.82	3.33	23.79	18.00	1.50	4.82	1.88	36.89	17.33	1.45	6.82	1.87	108.34	26.00	1.22	8.82	1.00	57.56	29.33	1.02
0.84	1.48	39.78	32.00	1.78	2.84	3.07	24.35	18.67	1.50	4.84	1.80	37.56	17.33	1.46	6.84	1.81	104.56	26.00	1.21	8.84	0.92	61.67	18.67	1.01
0.86	1.62	36.67	31.33	1.78	2.86	2.76	24.57	20.67	1.51	4.86	1.71	37.79	18.67	1.46	6.86	1.79	95.33	12.00	1.22	8.86	0.83	62.89	14.00	1.02
0.88	1.80	39.79	20.67	1.77	2.88	2.46	25.57	21.33	1.48	4.88	1.71	35.79	18.00	1.45	6.88	1.70	93.43	14.00	1.18	8.88	0.81	64.79	18.67	1.02
0.90	2.23	44.34	18.00	1.79	2.90	2.23	26.24	20.67	1.49	4.90	1.66	33.90	17.33	1.45	6.90	1.57	90.99	10.67	1.19	8.90	0.70	65.56	37.33	1.00
0.92	2.86	49.57	38.67	1.77	2.92	2.12	27.24	21.33	1.49	4.92	1.58	32.79	18.00	1.44	6.92	1.52	88.88	12.67	1.19	8.92	0.68	67.23	102.67	1.01
0.94	2.89	56.46	22.00	1.78	2.94	2.00	28.13	22.00	1.49	4.94	1.52	32.23	17.33	1.44	6.94	1.46	86.77	18.00	1.18	8.94	0.64	62.01	137.33	1.02
0.96	2.72	63.13	22.00	1.76	2.96	1.89	26.79	20.67	1.47	4.96	1.49	32.01	20.00	1.44	6.96	1.34	81.32	15.33	1.17	8.96	0.59	53.67	174.67	1.02
0.98	2.47	66.69	25.33	1.76	2.98	1.90	22.35	20.67	1.48	4.98	1.47	31.78	20.00	1.43	6.98	1.33	77.43	4.67	1.17	8.98	0.58	45.67	215.33	1.01
1.00	2.16	69.69	26.00	1.76	3.00	2.11	20.01	20.00	1.48	5.00	1.54	31.01	18.67	1.43	7.00	1.26	74.88		1.18	9.00	0.74	38.78	230.00	1.02
1.02	1.82	55.43	40.67	1.74	3.02	2.42	19.34	18.67	1.48	5.02	1.52	29.78	20.00	1.43	7.02	1.14	73.09	0.67	1.18	9.02	1.04			

Lo Sperimentatore:  
dott. Luciano Rossi

S150457-069 CPT 2 SA - pag 1 di 4

Il Direttore Settore Prove in Sito:  
dott. Massimo Romagnoli



**COMMITTENTE: A.I.P.O Parma - Strada G. Garibaldi 75 - Parma**
**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 2 SA PROF. FALDA (m da p.c.): VON DET PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 27/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.715672° LONG. (WGS 84): 11.032982°

COMMESSA: 13931/14 C. SITO N°: S150457 del 30.06.15 OPERATORE: L. Zanirato

prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
10.02	0.63	22.46	265.33	0.99	12.02	3.29	60.99	24.00	1.03	14.02	0.95	64.11	178.00	1.40	16.02	1.42	26.45	235.33	1.36	18.02	4.64	83.66	49.33	1.49
10.04	0.67	24.80	307.33	1.01	12.04	2.91	61.10	28.00	1.01	14.04	0.95	57.89	176.67	1.40	16.04	1.41	31.35	178.00	1.37	18.04	4.53	85.33	53.33	1.47
10.06	0.77	25.24	329.33	1.00	12.06	2.70	63.88	36.67	1.02	14.06	1.01	53.78	174.00	1.41	16.06	1.18	35.13	148.67	1.38	18.06	3.99	86.55	52.00	1.49
10.08	0.89	24.13	322.67	1.03	12.08	2.72	70.88	42.67	1.05	14.08	1.00	53.11	170.67	1.41	16.08	0.88	34.01	130.00	1.38	18.08	3.59	84.32	49.33	1.49
10.10	0.95	25.57	285.33	1.03	12.10	2.72	82.33	36.00	1.05	14.10	1.05	55.56	172.67	1.40	16.10	0.66	28.91	233.33	1.37	18.10	3.16	86.21	44.67	1.48
10.12	0.95	28.35	269.33	1.00	12.12	2.52	80.44	43.33	1.01	14.12	1.05	58.99	174.00	1.40	16.12	0.63	19.35	266.00	1.37	18.12	3.09	79.21	42.00	1.46
10.14	1.00	34.69	182.00	1.01	12.14	2.03	77.66	44.67	1.03	14.14	1.09	61.55	176.67	1.41	16.14	0.65	17.69	279.33	1.38	18.14	2.99	79.65	2.67	1.44
10.16	0.93	39.69	188.00	1.01	12.16	1.81	73.32	47.33	1.02	14.16	1.17	65.11	180.00	1.40	16.16	0.69	18.58	281.33	1.38	18.16	3.52	72.42	32.67	1.44
10.18	0.94	43.80	174.67	1.01	12.18	1.99	54.99	42.67	1.03	14.18	1.31	78.01	184.67	1.40	16.18	0.78	16.48	287.33	1.37	18.18	3.67	80.87	27.33	1.45
10.20	0.87	48.25	162.67	1.00	12.20	1.93	56.32	51.33	1.03	14.20	1.39	79.67	172.67	1.40	16.20	0.85	19.48	288.00	1.37	18.20	3.82	89.31	22.00	1.46
10.22	0.80	51.69	155.33	1.00	12.22	1.77	64.10	55.33	1.02	14.22	1.38	83.90	161.33	1.40	16.22	0.81	21.03	288.00	1.39	18.22	2.79	56.55	12.67	1.46
10.24	0.80	53.47	137.33	1.01	12.24	1.53	69.66	58.67	1.03	14.24	1.40	88.45	156.00	1.41	16.24	0.78	19.37	294.00	1.37	18.24	2.77	54.88	12.67	1.46
10.26	0.70	53.14	144.67	0.98	12.26	1.21	73.10	55.33	1.03	14.26	1.40	91.78	136.00	1.40	16.26	0.78	20.70	307.33	1.37	18.26	2.77	54.99	12.00	1.47
10.28	0.69	51.25	150.67	0.99	12.28	0.97	62.99	54.67	1.01	14.28	1.49	95.45	119.33	1.41	16.28	0.82	19.70	314.00	1.35	18.28	2.66	57.11	16.00	1.46
10.30	0.67	48.69	202.00	1.00	12.30	0.80	51.32	14.67	1.02	14.30	1.46	102.56	115.33	1.42	16.30	0.77	19.70	316.67	1.36	18.30	2.59	60.88	30.67	1.45
10.32	0.63	49.47	242.67	0.99	12.32	0.75	45.10	185.33	1.04	14.32	1.39	107.23	108.00	1.41	16.32	0.78	20.59	321.33	1.35	18.32	2.69	58.99	12.00	1.46
10.34	0.61	44.35	270.00	0.98	12.34	0.64	35.43	184.00	1.01	14.34	1.34	112.11	103.33	1.42	16.34	0.79	21.71	330.00	1.38	18.34	2.76	59.99	10.67	1.45
10.36	0.66	39.69	265.33	0.98	12.36	0.59	30.10	148.00	1.02	14.36	1.31	112.00	99.33	1.41	16.36	0.91	20.38	337.33	1.37	18.36	2.86	66.66	9.33	1.46
10.38	0.65	34.46	266.00	0.98	12.38	0.57	30.76	200.00	1.01	14.38	1.29	109.45	122.00	1.40	16.38	1.02	20.38	344.00	1.35	18.38	2.93	74.88	8.00	1.45
10.40	0.66	31.57	272.67	0.98	12.40	0.50	26.65	196.00	1.01	14.40	1.26	109.00	132.00	1.41	16.40	1.13	21.93	351.33	1.35	18.40	3.01	87.77	8.67	1.46
10.42	0.72	29.69	311.33	0.98	12.42	0.57	24.32	204.00	1.03	14.42	1.21	108.44	156.00	1.41	16.42	1.17	24.38	351.33	1.36	18.42	3.03	96.55	8.00	1.47
10.44	0.78	26.57	316.67	0.97	12.44	0.65	20.87	208.00	1.02	14.44	1.24	102.88	167.33	1.42	16.44	1.08	25.49	346.67	1.35	18.44	2.91	100.11	6.67	1.46
10.46	0.82	24.35	315.33	0.96	12.46	0.82	20.88	208.00	1.02	14.46	1.27	95.44	178.67	1.39	16.46	1.01	27.05	350.67	1.35	18.46	2.82	100.11	5.33	1.47
10.48	0.89	25.57	310.00	0.97	12.48	1.04	24.21	210.67	1.03	14.48	1.27	88.77	204.00	1.41	16.48	1.14	26.82	368.00	1.36	18.48	2.63	100.88	4.00	1.47
10.50	0.89	27.24	305.33	0.97	12.50	1.12	27.21	163.33	1.04	14.50	1.30	84.10	214.67	1.41	16.50	1.37	26.27	385.33	1.35	18.50	2.45	102.33	3.33	1.46
10.52	0.87	28.35	292.67	0.96	12.52	0.92	28.54	52.67	1.04	14.52	1.35	80.77	214.00	1.41	16.52	1.47	29.27	342.00	1.36	18.52	2.28	100.88	2.00	1.46
10.54	0.80	30.79	289.33	0.95	12.54	0.82	32.65	114.00	1.07	14.54	1.36	77.77	221.33	1.39	16.54	1.56	33.38	286.67	1.35	18.54	1.99	97.77		1.45
10.56	0.77	33.02	289.33	0.97	12.56	1.07	35.88	226.00	1.07	14.56	1.41	77.65	225.33	1.40	16.56	1.48	42.60	267.33	1.35	18.56	1.77	92.44	2.00	1.47
10.58	0.78	33.57	292.67	0.96	12.58	1.29	31.10	162.00	1.06	14.58	1.46	79.21	209.33	1.41	16.58	1.47	52.49	259.33	1.37	18.58	1.53	92.55	12.67	1.45
10.60	0.80	35.68	292.67	0.95	12.60	1.09	31.32	36.67	1.05	14.60	1.47	81.21	204.67	1.39	16.60	1.42	62.16	264.67	1.37	18.60	1.45	91.66	42.67	1.45
10.62	0.78	35.02	285.33	0.96	12.62	0.80	33.21	32.67	1.07	14.62	1.44	85.76	191.33	1.41	16.62	1.43	71.49	273.33	1.35	18.62	1.30	72.77	75.33	1.45
10.64	0.77	35.46	286.67	0.95	12.64	0.50	34.66	59.33	1.06	14.64	1.40	90.43	220.67	1.41	16.64	1.43	82.49	263.33	1.37	18.64	1.34	70.66	82.67	1.45
10.66	0.72	35.91	290.67	0.95	12.66	0.42	28.44	180.67	1.05	14.66	1.42	92.54	206.67	1.41	16.66	1.41	93.16	294.00	1.37	18.66	1.36	67.88	100.67	1.46
10.68	0.71	35.35	306.00	0.95	12.68	0.44	23.77	214.67	1.06	14.68	1.44	95.32	184.00	1.40	16.68	1.38	98.94	280.67	1.37	18.68	1.39	66.55	114.67	1.45
10.70	0.80	33.35	314.00	0.94	12.70	0.46	21.21	225.33	1.04	14.70	1.35	100.98	177.33	1.40	16.70	1.38	97.05	274.67	1.37	18.70	1.40	66.33	121.33	1.45
10.72	0.88	32.57	314.00	0.95	12.72	0.51	21.55	221.33	1.05	14.72	1.32	106.42	169.33	1.41	16.72	1.37	96.27	274.00	1.36	18.72	1.44	65.77	128.67	1.46
10.74	0.90	31.57	310.00	0.96	12.74	0.54	21.11	219.33	1.08	14.74	1.24	108.20	180.00	1.40	16.74	1.34	95.49	270.67	1.36	18.74	1.40	64.11	132.00	1.44
10.76	0.87	31.02	295.33	0.95	12.76	0.56	20.56	217.33	1.06	14.76	1.26	108.76	204.67	1.41	16.76	1.29	95.26	284.67	1.37	18.76	1.42	63.33	133.33	1.45
10.78	0.80	29.24	284.67	0.95	12.78	0.57	16.78	218.00	1.08	14.78	1.20	106.98	218.00	1.41	16.78	1.26	93.59	286.67	1.37	18.78	1.41	62.66	121.33	1.45
10.80	0.72	27.13	302.00	0.96	12.80	0.57	14.89	218.00	1.08	14.80	1.22	106.31	229.33	1.41	16.80	1.23	91.81	284.00	1.38	18.80	1.42	62.22	114.00	1.46
10.82	0.72	25.79	324.67	0.97	12.82	0.56	16.22	216.67	1.09	14.82	1.26	105.98	240.00	1.41	16.82	1.22	90.70	294.67	1.39	18.82	1.42	62.99	110.67	1.47
10.84	0.76	24.01	336.00	0.96	12.84	0.56	17.67																	



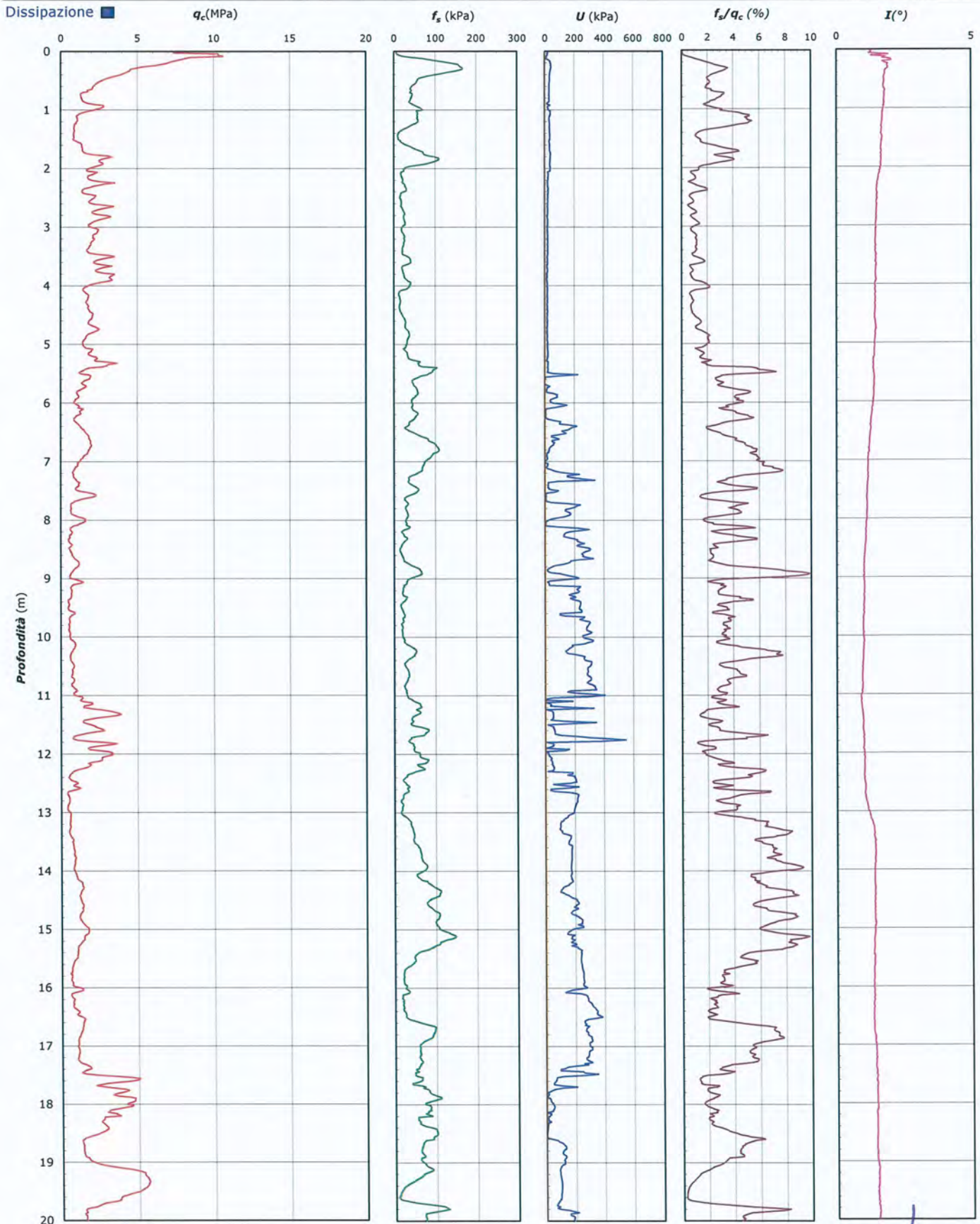
**COMMITTENTE:** A.I.P.O Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 2 SA PROF. FALDA (m da p.c.): VON DET PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 27/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.715672° LONG. (WGS 84): 11.032982°

COMMESSA: 13931/14 C. SITO N°: S150457 del 30.06.15 OPERATORE: L. Zanirato



Lo Sperimentatore:  
dott. Luciano Rossi

S150457-069 CPT 2 SA - pag 3 di 4

Il Direttore Settore Prove in Sito:  
dott. Massimo Romagnoli



**COMMITTENTE:** A.I.PO Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 2 SA PROF. FALDA (m da p.c.): VON DET PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 27/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.715672° LONG. (WGS 84): 11.032982°

COMMESSA: 13931/14 C. SITO N°: S150457 del 30.06.15 OPERATORE: L. Zanirato

#### UBICAZIONE

Località: Arginature Fiume Panaro, Provincia di Modena.



NOTE: Utilizzato 1 anello allargatore da inizio prova

Lo Sperimentatore:  
dott. Luciano Rossi

S150457-069 CPT 2 SA - pag 4 di 4

Il Direttore Settore Prove in Sito:  
dott. Massimo Romagnoli



**COMMITTENTE: A.I.P.O Parma - Strada G. Garibaldi 75 - Parma**
**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 3 SA

PROF. FALDA (m da p.c.): VON DET PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 28/04/15

PREFORO (m da p.c.):

LAT. (WGS 84): 44.715969°

LONG. (WGS 84): 11.033541°

COMMESSA: 13931/14

C. SITO N°: S150458 del 30.06.15

OPERATORE: L. Zanirato

prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.
m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi
0.02	2.33	7.39	2.00	2.21	2.02	3.50	40.47	0.67	2.29	4.02	3.95	39.38	4.00	2.78	6.02	3.33	208.29	18.67	3.47	8.02	1.94	39.22	74.00	3.38	8.02	1.94	39.22	74.00	3.38
0.04	2.49	4.27	3.33	2.35	2.04	3.48	40.47	0.67	2.29	4.04	4.17	39.71	4.00	2.79	6.04	3.14	202.07	20.00	3.45	8.04	1.95	40.77	72.00	3.39	8.04	1.95	40.77	72.00	3.39
0.06	2.69	4.38	4.00	1.85	2.06	3.67	39.69	0.67	2.30	4.06	4.32	43.16	6.67	2.81	6.06	3.19	188.10	20.00	3.47	8.06	1.95	43.66	73.33	3.39	8.06	1.95	43.66	73.33	3.39
0.08	2.37	6.83		1.96	2.08	3.98	37.70	1.33	2.29	4.08	4.25	56.82	4.67	2.81	6.08	3.26	179.89	20.67	3.46	8.08	1.87	48.00	71.33	3.40	8.08	1.87	48.00	71.33	3.40
0.10	1.51	7.16	2.00	1.68	2.10	4.40	37.04	1.33	2.30	4.10	4.37	59.04	4.67	2.82	6.10	3.40	181.90	17.33	3.46	8.10	1.72	51.44	70.67	3.40	8.10	1.72	51.44	70.67	3.40
0.12	1.50	13.72	6.67	1.98	2.12	4.07	40.60	1.33	2.29	4.12	4.47	61.71	5.33	2.84	6.12	3.55	185.34	17.33	3.45	8.12	1.68	54.11	70.00	3.39	8.12	1.68	54.11	70.00	3.39
0.14	1.66	23.49	4.00	1.80	2.14	3.63	42.60	1.33	2.31	4.14	4.72	63.27	5.33	2.83	6.14	3.28	144.50	17.33	3.47	8.14	1.72	54.12	70.00	3.39	8.14	1.72	54.12	70.00	3.39
0.16	1.70	29.61	0.67	2.20	2.16	3.16	42.60	0.67	2.31	4.16	5.21	55.94	4.00	2.85	6.16	4.51	161.73	17.33	3.45	8.16	1.98	44.59	90.00	3.38	8.16	1.98	44.59	90.00	3.38
0.18	1.72	35.71	10.00	1.86	2.18	2.89	43.93	0.67	2.30	4.18	5.75	54.72	4.67	2.86	6.18	5.88	169.73	8.00	3.45	8.18	2.10	49.26	90.67	3.37	8.18	2.10	49.26	90.67	3.37
0.20	1.78	40.05	10.00	2.02	2.20	2.70	43.26	0.67	2.31	4.20	6.25	53.06	5.33	2.85	6.20	5.88	159.30	11.33	3.44	8.20	2.13	51.59	161.33	3.34	8.20	2.13	51.59	161.33	3.34
0.22	1.82	43.83	10.00	1.98	2.22	2.59	42.04	0.67	2.35	4.22	6.72	51.94	8.00	2.85	6.22	6.11	157.75	11.33	3.47	8.22	2.18	57.37	147.33	3.35	8.22	2.18	57.37	147.33	3.35
0.24	1.95	47.83	8.00	1.98	2.24	2.54	38.93	0.67	2.32	4.24	6.92	52.50	6.67	2.86	6.24	4.75	169.75	12.67	3.47	8.24	2.03	66.26	146.67	3.34	8.24	2.03	66.26	146.67	3.34
0.26	2.73	43.80	10.00	1.95	2.26	2.59	36.15	0.67	2.32	4.26	7.02	59.72	8.00	2.86	6.26	4.11	213.75	13.33	3.48	8.26	2.09	69.49	106.67	3.35	8.26	2.09	69.49	106.67	3.35
0.28	2.97	46.35	10.00	1.88	2.28	2.85	32.49	0.67	2.34	4.28	6.91	68.94	7.33	2.87	6.28	3.88	228.08	11.33	3.50	8.28	2.30	73.15	122.67	3.34	8.28	2.30	73.15	122.67	3.34
0.30	3.21	49.68	8.00	1.92	2.30	3.59	28.49	1.33	2.34	4.30	6.98	78.27	8.00	2.88	6.30	3.65	230.86	12.67	3.51	8.30	2.52	86.04	170.67	3.35	8.30	2.52	86.04	170.67	3.35
0.32	3.41	51.79	9.33	1.89	2.32	3.49	28.60	2.00	2.35	4.32	7.21	86.27	7.33	2.87	6.32	3.36	232.86	13.33	3.50	8.32	2.87	95.38	137.33	3.35	8.32	2.87	95.38	137.33	3.35
0.34	3.38	54.23	9.33	1.93	2.34	4.25	31.38	2.00	2.35	4.34	7.74	94.61	10.67	2.86	6.34	3.12	233.42	12.67	3.51	8.34	3.38	100.71	88.00	3.35	8.34	3.38	100.71	88.00	3.35
0.36	3.29	55.46	9.33	1.96	2.36	3.87	35.38	2.00	2.36	4.36	8.26	100.60	10.67	2.89	6.36	2.93	225.64	13.33	3.51	8.36	3.78	105.26	38.67	3.35	8.36	3.78	105.26	38.67	3.35
0.38	3.18	58.90	9.67	1.99	2.38	3.57	37.60	2.00	2.36	4.38	8.62	102.71	11.33	2.90	6.38	2.81	213.08	14.00	3.52	8.38	3.56	92.71	5.33	3.36	8.38	3.56	92.71	5.33	3.36
0.40	3.15	60.34	9.33	1.92	2.40	3.40	38.38	0.67	2.35	4.40	9.12	104.93	14.00	2.89	6.40	2.77	189.75	14.00	3.51	8.40	2.79	78.93	13.33	3.37	8.40	2.79	78.93	13.33	3.37
0.42	3.29	61.11	9.33	1.94	2.42	3.28	38.93	0.67	2.35	4.42	9.69	107.60	14.67	2.89	6.42	2.83	179.86	14.67	3.53	8.42	2.37	66.60	12.67	3.37	8.42	2.37	66.60	12.67	3.37
0.44	3.46	65.22	6.67	1.96	2.44	3.38	40.15		2.36	4.44	10.37	114.93	16.00	2.90	6.44	2.88	173.41	12.67	3.54	8.44	1.98	60.37	13.33	3.38	8.44	1.98	60.37	13.33	3.38
0.46	3.66	72.66	6.00	1.98	2.46	3.49	41.71	1.33	2.36	4.46	10.92	138.38	16.00	2.92	6.46	2.88	165.41	13.33	3.53	8.46	1.72	58.93	7.33	3.37	8.46	1.72	58.93	7.33	3.37
0.48	4.01	82.00	7.33	1.96	2.48	3.89	38.26	2.00	2.37	4.48	11.37	167.37	16.67	2.91	6.48	2.87	156.63	14.00	3.53	8.48	1.48	54.26	31.33	3.38	8.48	1.48	54.26	31.33	3.38
0.50	4.37	92.44	6.00	1.98	2.50	4.44	35.16	4.00	2.39	4.50	11.60	196.37	16.67	2.91	6.50	2.75	151.29	13.33	3.51	8.50	1.39	39.93	56.67	3.37	8.50	1.39	39.93	56.67	3.37
0.52	4.35	107.32	1.33	1.97	2.52	4.52	36.60	3.33	2.39	4.52	11.47	220.70	16.67	2.92	6.52	2.58	149.40	14.00	3.52	8.52	1.33	35.59	105.33	3.38	8.52	1.33	35.59	105.33	3.38
0.54	4.12	119.21	9.33	2.00	2.54	4.09	39.38	0.67	2.39	4.54	11.08	241.47	14.67	2.91	6.54	2.36	148.51	14.00	3.53	8.54	1.27	34.48	123.33	3.38	8.54	1.27	34.48	123.33	3.38
0.56	3.75	125.43	18.00	2.03	2.56	3.77	42.93	0.67	2.40	4.56	10.76	255.03	12.67	2.93	6.56	2.06	146.29	15.33	3.52	8.56	1.21	33.14	128.67	3.19	8.56	1.21	33.14	128.67	3.19
0.58	3.29	127.31	18.67	1.99	2.58	3.61	43.60	2.00	2.40	4.58	10.29	266.13	14.67	2.94	6.58	1.95	142.73	14.67	3.50	8.58	1.16	30.81	134.67	3.38	8.58	1.16	30.81	134.67	3.38
0.60	2.90	125.31	21.33	1.98	2.60	3.47	44.93	2.00	2.39	4.60	9.77	266.35	12.67	2.94	6.60	1.93	137.51	14.67	3.48	8.60	1.00	27.24	132.00	3.29	8.60	1.00	27.24	132.00	3.29
0.62	2.61	121.53	20.67	2.03	2.62	3.45	46.94		2.39	4.62	9.38	258.79	12.67	2.96	6.62	1.94	129.73	14.00	3.50	8.62	1.05	24.48	116.00	3.38	8.62	1.05	24.48	116.00	3.38
0.64	2.33	114.30	20.00	2.02	2.64	3.52	48.27	2.00	2.40	4.64	8.84	240.89	12.67	2.97	6.64	2.07	121.51	15.33	3.49	8.64	1.04	26.48	118.67	3.38	8.64	1.04	26.48	118.67	3.38
0.66	2.14	105.86	20.00	1.99	2.66	3.57	45.60	2.00	2.40	4.66	8.82	222.43	11.33	2.96	6.66	2.17	120.95	14.00	3.47	8.66	1.09	30.04	118.00	3.38	8.66	1.09	30.04	118.00	3.38
0.68	1.93	93.85	18.00	2.04	2.68	3.67	40.93	1.33	2.40	4.68	7.58	210.54	11.33	2.98	6.68	2.28	120.28	14.00	3.48	8.68	1.08	33.26	140.00	3.39	8.68	1.08	33.26	140.00	3.39
0.70	1.74	81.29	20.00	2.01	2.70	3.91	37.49	2.00	2.40	4.70	7.23	197.86	11.33	2.97	6.70	2.27	120.16	6.00	3.47	8.70	1.12	37.82	164.00	3.38	8.70	1.12	37.82	164.00	3.38
0.72	1.51	74.17	18.67	2.00	2.72	4.43	38.04	4.00	2.41	4.72	7.07	187.96	11.33	3.00	6.72	2.29	119.73	8.00	3.47	8.72	1.10	37.59	154.67	3.38	8.72				





elletipi s.r.l.

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P IVA e Codice Fiscale n. 00174600387

Laboratorio Geotecnico autorizzato con Dec. n. 6572 del 07/10/2014, art. 59 del D.P.R. 380/2001, Circolari Ministeriali 7618/STC



COMMITTENTE: A.I.P.O Parma - Strada G. Garibaldi 75 - Parma

CANTIERE: Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 3 SA PROF. FALDA (m da p.c.): VON DET PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 28/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.715969° LONG. (WGS 84): 11.033541°

COMMESSA: 13931/14 C. SITO N°: S150458 del 30.06.15 OPERATORE: L. Zanirato

prof. qc fs U incl. prof. qc fs U incl. prof. qc fs U incl. prof. qc fs U incl. prof. qc fs U incl.	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi	m Mpa kPa kPa gradi
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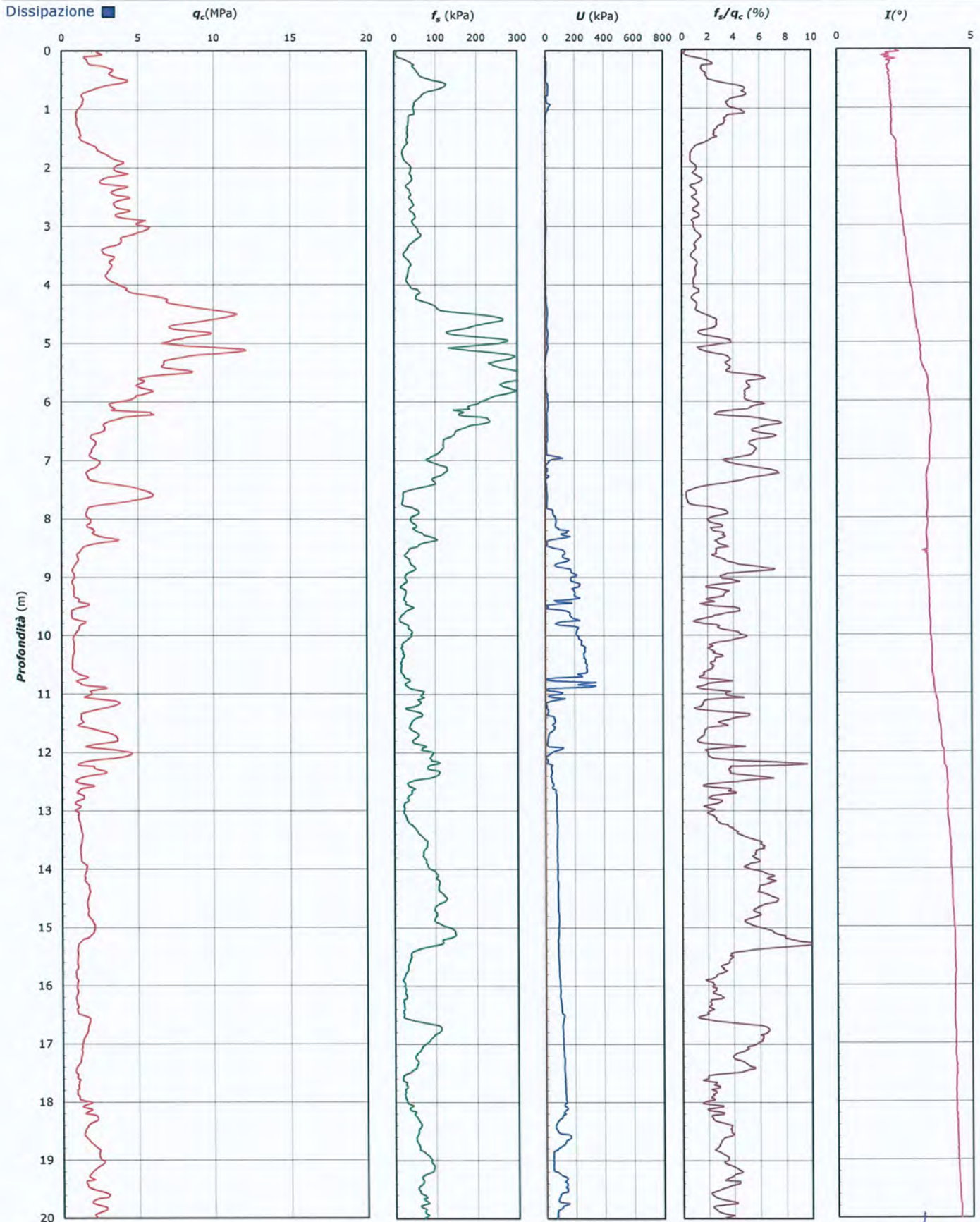
**COMMITTENTE:** A.I.PO Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 3 SA PROF. FALDA (m da p.c.): VON DET PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 28/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.715969° LONG. (WGS 84): 11.033541°

COMMESSA: 13931/14 C. SITO N°: S150458 del 30.06.15 OPERATORE: L. Zanirato



Lo Sperimentatore:  
dott. Luciano Rossi

S150458-069 CPT 3 SA - pag 3 di 4

Il Direttore Settore Prove in Sito:  
dott. Massimo Romagnoli



**COMMITTENTE:** A.I.PO Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 3 SA PROF. FALDA (m da p.c.): NON DET PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 28/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.715969° LONG. (WGS 84): 11.033541°

COMMESSA: 13931/14 C. SITO N°: S150458 del 30.06.15 OPERATORE: L. Zanirato

#### UBICAZIONE

Località: Arginature Fiume Panaro, Provincia di Modena.



NOTE: Utilizzato 1 anello allargatore da inizio prova



**COMMITTENTE: A.I.P.O. Parma - Strada G. Garibaldi 75 - Parma**
**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

**PROVA N°:** 069 CPT 4 SA

**PROF. FALDA (m da p.c.):** NON DET

**PUNTA:** Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

**DATA:** 28/04/15

**PREFORO (m da p.c.):**
**LAT. (WGS 84):** 44.716204°

**LONG. (WGS 84):** 11.034139°

**COMMESSA:** 13931/14

**C. SITO N°:** S150459 del 30.06.15

**OPERATORE:** L. Zanirato

prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
0.02	0.82	2.55	4.00	0.47	2.02	3.45	36.59	2.67	0.52	4.02	3.74	29.22	8.00	0.53	6.02	3.47	30.67	3.33	0.69	8.02	2.00	48.26	7.33	0.75
0.04	1.30	4.66	4.67	0.18	2.04	3.32	36.36	5.33	0.51	4.04	3.68	28.55	7.33	0.53	6.04	3.49	27.11	4.00	0.69	8.04	2.14	50.59	7.33	0.75
0.06	2.20	6.44	14.00	0.86	2.06	3.16	34.59	5.33	0.53	4.06	3.59	29.21	8.00	0.53	6.06	3.54	25.45	5.33	0.68	8.06	2.32	50.26	7.33	0.76
0.08	2.75	6.89	14.67	0.56	2.08	3.09	33.26	5.33	0.49	4.08	3.50	29.55	8.00	0.53	6.08	3.60	24.67	4.67	0.68	8.08	2.47	48.48	6.00	0.75
0.10	2.96	13.66	16.67	0.41	2.10	2.93	30.48	6.00	0.51	4.10	3.51	30.88	7.33	0.53	6.10	3.62	23.67	5.33	0.70	8.10	2.57	45.71	6.67	0.75
0.12	2.52	11.22	14.00	0.71	2.12	2.77	29.04	6.00	0.52	4.12	3.52	31.99	9.33	0.54	6.12	3.62	22.45	5.33	0.68	8.12	2.56	39.04	7.33	0.77
0.14	1.99	16.66	9.33	0.57	2.14	2.60	27.37	7.33	0.51	4.14	3.68	33.88	6.67	0.55	6.14	3.69	21.11	6.67	0.69	8.14	2.57	33.71	6.67	0.77
0.16	1.56	24.77	6.67	0.65	2.16	2.29	21.83	12.67	0.53	4.16	3.86	34.44	6.67	0.55	6.16	3.72	20.56	7.33	0.70	8.16	2.60	28.26	5.33	0.77
0.18	1.66	31.33	6.67	0.72	2.18	2.22	20.50	13.33	0.51	4.18	3.83	33.33	6.67	0.52	6.18	3.71	20.89	8.00	0.69	8.18	2.66	23.26	6.67	0.76
0.20	1.70	28.54	20.00	0.69	2.20	2.10	19.28	13.33	0.53	4.20	3.79	31.99	5.33	0.55	6.20	3.72	20.78	8.00	0.68	8.20	2.72	20.93	6.67	0.76
0.22	1.73	35.77	1.33	0.51	2.22	2.05	17.95	14.00	0.51	4.22	3.68	31.99	4.00	0.53	6.22	3.76	20.56	8.00	0.68	8.22	2.72	19.82	6.67	0.76
0.24	1.75	44.10	1.33	0.66	2.24	2.02	16.95	12.67	0.53	4.24	3.62	32.10	5.33	0.55	6.24	3.80	21.00	8.67	0.68	8.24	2.70	20.04	6.67	0.75
0.26	1.77	50.65	1.33	0.58	2.26	2.02	16.61	14.00	0.52	4.26	3.58	32.54	6.00	0.56	6.26	3.83	21.23	9.33	0.69	8.26	2.62	19.05	10.00	0.75
0.28	1.87	57.32	1.33	0.80	2.28	1.99	16.73	14.00	0.53	4.28	3.61	30.88	8.00	0.53	6.28	3.88	20.91	9.33	0.69	8.28	2.59	19.94	10.67	0.76
0.30	1.91	57.76	1.33	0.55	2.30	1.92	17.39	14.67	0.52	4.30	3.58	30.88	6.67	0.55	6.30	3.92	21.13	10.67	0.69	8.30	2.55	20.61	10.00	0.77
0.32	2.07	58.54		0.42	2.32	1.81	18.62	11.33	0.52	4.32	3.39	30.88	8.00	0.52	6.32	3.97	21.58	10.67	0.70	8.32	2.49	20.61	10.67	0.76
0.34	2.10	59.43	2.00	0.91	2.34	1.78	18.62	13.33	0.52	4.34	3.29	30.77	9.33	0.53	6.34	3.85	21.47	8.67	0.71	8.34	2.33	21.17	12.67	0.76
0.36	2.10	59.09	1.33	0.50	2.36	1.80	18.07	14.67	0.53	4.36	3.27	30.77	10.00	0.53	6.36	3.74	21.69	8.67	0.69	8.36	2.28	22.84	10.67	0.76
0.38	1.89	59.64	1.33	0.68	2.38	1.84	18.07	14.00	0.52	4.38	3.30	30.21	8.00	0.55	6.38	3.66	22.13	9.33	0.69	8.38	2.21	25.17	11.33	0.76
0.40	2.08	53.53	1.33	0.60	2.40	1.82	18.62	14.67	0.52	4.40	3.52	30.44	6.67	0.54	6.40	3.56	21.58	9.33	0.70	8.40	2.21	26.50	13.33	0.77
0.42	2.13	49.19	2.00	0.63	2.42	1.76	18.62	15.33	0.51	4.42	3.69	30.43	5.33	0.54	6.42	3.49	21.47	9.33	0.70	8.42	2.21	27.39	12.67	0.76
0.44	2.30	46.31	4.00	0.64	2.44	1.76	19.29	14.00	0.48	4.44	3.69	31.55	7.33	0.53	6.44	3.42	21.47	8.67	0.69	8.44	2.15	28.84	14.00	0.75
0.46	2.43	43.75	5.33	0.59	2.46	1.55	20.51	15.33	0.50	4.46	3.68	32.77	7.33	0.55	6.46	3.42	21.13	12.00	0.70	8.46	2.04	30.95	13.33	0.76
0.48	2.45	42.08	4.67	0.62	2.48	1.56	20.96	17.33	0.52	4.48	3.74	35.10	6.67	0.56	6.48	3.36	20.91	11.33	0.70	8.48	1.86	32.84	13.33	0.76
0.50	2.41	41.63	7.33	0.59	2.50	1.55	21.62	14.67	0.50	4.50	3.71	38.21	6.00	0.55	6.50	3.36	20.25	11.33	0.70	8.50	1.73	35.39	14.00	0.77
0.52	2.35	41.08	6.67	0.65	2.52	1.59	21.51	17.33	0.50	4.52	3.61	41.88	6.67	0.55	6.52	3.32	20.58	12.00	0.70	8.52	1.50	40.72	12.67	0.76
0.54	2.25	41.96	5.33	0.59	2.54	1.62	22.29	15.33	0.50	4.54	3.53	44.54	6.00	0.56	6.54	3.31	21.02	12.67	0.70	8.54	1.26	44.84	13.33	0.77
0.56	2.22	46.19	8.00	0.59	2.56	1.61	22.29	15.33	0.48	4.56	3.51	46.88	6.67	0.54	6.56	3.30	20.36	12.67	0.72	8.56	1.10	47.62	11.33	0.78
0.58	2.27	51.63	7.33	0.63	2.58	1.55	20.96	15.33	0.48	4.58	3.53	49.10	5.33	0.57	6.58	3.32	20.25	12.00	0.72	8.58	0.99	50.61	22.67	0.75
0.60	2.25	56.18	8.00	0.57	2.60	1.47	14.85	16.67	0.48	4.60	3.71	53.10	6.00	0.57	6.60	3.30	20.47	12.67	0.70	8.60	1.01	46.72	70.67	0.76
0.62	2.30	59.40	9.33	0.54	2.62	1.35	12.85	18.67	0.48	4.62	3.86	59.32	3.33	0.60	6.62	3.05	21.55	15.33	0.59	8.62	1.10	42.95	70.67	0.76
0.64	2.27	63.29	7.33	0.61	2.64	1.35	12.63	16.67	0.47	4.64	3.77	63.43	5.33	0.57	6.64	2.96	22.13	11.33	0.70	8.64	1.16	42.39	69.33	0.78
0.66	2.21	67.07	9.33	0.57	2.66	1.31	11.96	18.00	0.50	4.66	3.63	62.87	4.00	0.58	6.66	2.85	22.25	12.67	0.72	8.66	1.17	40.17	67.33	0.76
0.68	2.09	68.84	5.33	0.58	2.68	1.32	11.96	18.00	0.48	4.68	3.59	61.65	5.33	0.56	6.68	2.66	22.69	12.00	0.72	8.68	1.26	37.61	64.67	0.76
0.70	1.94	66.95	6.67	0.57	2.70	1.34	10.85	20.00	0.51	4.70	3.61	61.20	5.33	0.57	6.70	2.53	23.36	8.67	0.70	8.70	1.39	35.39	66.00	0.76
0.72	1.75	62.83	5.33	0.59	2.72	1.40	11.07	18.67	0.51	4.72	3.68	61.20	3.33	0.57	6.72	2.53	24.02	9.33	0.72	8.72	1.59	35.17	60.00	0.77
0.74	1.70	60.39	6.67	0.60	2.74	1.49	11.18	18.00	0.50	4.74	3.94	59.98	3.33	0.56	6.74	2.47	24.69	11.33	0.72	8.74	1.81	35.62	53.33	0.77
0.76	1.70	56.61	5.33	0.60	2.76	1.57	11.30	17.33	0.50	4.76	4.39	54.98	2.00	0.56	6.76	2.38	26.69	9.33	0.72	8.76	1.86	34.51	52.00	0.76
0.78	1.58	53.05	4.67	0.60	2.78	1.67	11.96	16.67	0.50	4.78	4.58	51.53	0.67	0.55	6.78	2.41	28.02	8.00	0.72	8.78	1.94	33.84	50.00	0.77
0.80	1.51	49.72	4.67	0.55	2.80	1.71	12.30	17.33	0.51	4.80	4.46	53.75	0.67	0.57	6.80	2.43	28.47	8.00	0.74	8.80	1.92	32.73	50.00	0.77
0.82	1.40	46.49	4.67	0.59	2.82	1.75	12.63	18.00	0.51	4.82	4.10	57.30	2.00	0.53	6.82	2.50	28.80	9.33	0.74	8.82	1.78	32.95	48.67	0.76
0.84	1.33	44.83	4.67	0.55	2.84	1.91	13.52	16.67	0.51	4.84	3.94	58.53	0.67	0.55	6.84	2.51	27.91	8.67	0.74	8.84	1.49	34.39	45.33	0.74
0.86	1.40	41.60	4.00	0.55	2.86	2.09	14.42	17.33	0.51	4.86	3.82	59.08	2.00	0.57	6.86	2.49	26.69	8.00	0.72	8.86	1.33	38.84	42.00	0.77
0.88	1.56	40.16	5.33	0.55	2.88	2.25	17.19	15.33	0.47	4.88	3.76	58.30	0.67	0.57	6.88	2.50	26.35	8.00	0.73	8.88	1.31	43.18	50.00	0.76
0.90	1.70	38.60	5.33	0.53	2.90	2.39	17.64																	





elletipi s.r.l.

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P IVA e Codice Fiscale n. 00174600387

Laboratorio Geotecnico autorizzato con Dec. n. 6572 del 07/10/2014, art. 59 del D.P.R. 380/2001, Circolari Ministeriali 7618/STC



COMMITTENTE: **A.I.P.O Parma - Strada G. Garibaldi 75 - Parma**

CANTIERE: Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 4 SA

PROF. FALDA (m da p.c.): VON DET

PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 28/04/15

PREFORO (m da p.c.):

LAT. (WGS 84): 44.716204°

LONG. (WGS 84): 11.034139°

COMMESSA: 13931/14

C. SITO N°: S150459 del 30.06.15

OPERATORE: L. Zanirato

prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.
m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi
10.02	3.04	61.20	132.00	0.84	12.02	3.02	22.52	2.67	1.31	14.02	10.83	16.85	93.33	1.38	16.02	4.15	31.39	47.33	1.13	18.02	1.16	24.66	5.33	1.25
10.04	4.18	66.42	76.67	0.85	12.04	2.80	22.85	2.67	1.31	14.04	10.44	16.74	93.33	1.35	16.04	4.37	26.39	49.33	1.14	18.04	1.14	23.66	6.67	1.26
10.06	4.82	54.64	78.67	0.86	12.06	2.51	21.19	5.33	1.30	14.06	10.42	17.85	96.67	1.34	16.06	4.45	22.28	48.67	1.15	18.06	1.15	22.32	7.33	1.26
10.08	5.11	46.64	84.00	0.84	12.08	2.23	21.63	8.00	1.29	14.08	11.04	18.62	103.33	1.33	16.08	4.46	19.17	48.67	1.14	18.08	1.18	21.88	8.00	1.27
10.10	5.20	44.53	84.67	0.85	12.10	1.88	24.29	6.67	1.29	14.10	11.85	18.51	115.33	1.34	16.10	4.43	15.40	47.33	1.14	18.10	1.16	22.21	7.33	1.26
10.12	5.23	40.31	85.33	0.85	12.12	1.75	32.52	8.00	1.30	14.12	12.31	18.62	122.67	1.34	16.12	4.36	12.51	44.67	1.15	18.12	1.11	22.21	8.00	1.26
10.14	5.16	35.86	84.00	0.85	12.14	2.11	35.29	7.33	1.33	14.14	12.40	18.84	126.67	1.33	16.14	4.37	10.74	44.67	1.15	18.14	1.11	20.44	8.67	1.26
10.16	5.04	32.75	84.00	0.85	12.16	2.35	40.07	8.00	1.33	14.16	12.08	19.95	127.33	1.33	16.16	4.43	10.51	44.67	1.16	18.16	1.14	18.66	9.33	1.26
10.18	4.81	28.53	80.67	0.85	12.18	2.46	44.52	7.33	1.35	14.18	11.84	22.39	127.33	1.33	16.18	4.45	9.18	42.67	1.13	18.18	1.12	17.99	8.00	1.26
10.20	4.65	28.08	80.67	0.87	12.20	2.44	49.41	8.00	1.36	14.20	12.00	23.06	133.33	1.34	16.20	4.57	9.40	44.67	1.16	18.20	1.17	18.88	9.33	1.26
10.22	4.51	28.64	78.67	0.87	12.22	2.39	48.18	7.33	1.38	14.22	11.77	23.62	134.67	1.34	16.22	4.67	9.85	46.00	1.15	18.22	1.15	20.11	8.00	1.25
10.24	4.38	28.42	77.33	0.86	12.24	2.48	52.18	6.67	1.38	14.24	11.43	24.28	136.00	1.31	16.24	4.75	9.96	46.00	1.15	18.24	1.13	21.11	7.33	1.26
10.26	4.30	27.42	77.33	0.88	12.26	2.97	54.74	5.33	1.38	14.26	10.88	22.39	133.33	1.31	16.26	4.87	10.08	47.33	1.15	18.26	1.12	20.89	8.00	1.26
10.28	4.21	25.98	75.33	0.86	12.28	3.81	53.74	2.67	1.40	14.28	9.65	18.16	112.67	1.30	16.28	5.02	9.97	48.67	1.16	18.28	1.15	20.89	7.33	1.26
10.30	4.26	25.53	75.33	0.88	12.30	5.41	36.86	0.67	1.39	14.30	8.92	17.83	104.00	1.30	16.30	5.18	9.85	50.00	1.16	18.30	1.13	20.67	6.67	1.26
10.32	4.51	21.65	69.33	0.87	12.32	5.84	30.53	0.67	1.39	14.32	8.03	17.27	97.33	1.30	16.32	5.69	10.43	40.67	1.17	18.32	1.12	19.34	7.33	1.26
10.34	4.59	22.43	48.67	0.89	12.34	6.02	31.53	2.00	1.39	14.34	7.09	15.49	89.33	1.31	16.34	5.86	11.33	40.67	1.18	18.34	1.16	28.02	7.33	1.26
10.36	4.61	22.98	37.33	0.89	12.36	5.86	30.42	1.33	1.40	14.36	6.30	12.05	82.67	1.30	16.36	5.93	11.99	40.67	1.17	18.36	1.12	27.25	8.00	1.26
10.38	4.30	22.98	30.67	0.89	12.38	5.45	24.75	0.67	1.42	14.38	5.75	10.04	77.33	1.30	16.38	5.86	11.44	42.00	1.18	18.38	1.10	27.14	8.00	1.26
10.40	3.57	21.54	25.33	0.90	12.40	4.92	18.53	0.67	1.39	14.40	5.42	9.49	75.33	1.31	16.40	5.68	11.44	40.67	1.17	18.40	1.02	27.13	6.67	1.26
10.42	2.59	19.98	19.33	0.89	12.42	4.37	16.09	2.67	1.40	14.42	5.27	10.04	75.33	1.31	16.42	5.50	11.77	40.00	1.18	18.42	1.04	24.58	8.00	1.27
10.44	2.00	23.98	15.33	0.89	12.44	4.02	13.87	0.67	1.39	14.44	5.30	11.38	74.00	1.30	16.44	5.33	11.88	38.67	1.18	18.44	1.02	21.69	7.33	1.27
10.46	1.63	39.43	12.67	0.90	12.46	3.70	13.31	3.33	1.39	14.46	5.38	13.26	74.67	1.30	16.46	5.18	11.44	38.00	1.17	18.46	1.02	21.59	6.67	1.25
10.48	1.32	56.32	12.67	0.89	12.48	3.53	13.87	3.33	1.39	14.48	5.20	12.59	72.00	1.30	16.48	5.03	11.44	38.00	1.16	18.48	1.04	19.14	7.33	1.27
10.50	1.24	61.21	50.00	0.89	12.50	3.41	13.09	5.33	1.39	14.50	4.97	12.48	70.67	1.30	16.50	4.99	10.44	38.67	1.17	18.50	1.02	18.70	6.67	1.26
10.52	1.28	57.43	100.00	0.89	12.52	3.39	11.98	2.67	1.39	14.52	4.75	11.70	67.33	1.30	16.52	4.98	9.44	40.00	1.17	18.52	1.02	19.36	8.00	1.25
10.54	1.12	58.43	117.33	0.89	12.54	3.46	12.09	3.33	1.38	14.54	4.62	10.70	64.67	1.30	16.54	4.98	8.99	40.67	1.17	18.54	1.04	18.03	5.33	1.25
10.56	0.97	51.87	118.67	0.89	12.56	3.59	12.53	2.67	1.39	14.56	4.68	11.03	66.00	1.30	16.56	5.03	9.22	40.00	1.17	18.56	1.07	18.14	7.33	1.26
10.58	1.59	49.09	170.00	0.88	12.58	3.72	12.65	2.00	1.38	14.58	4.98	12.81	64.67	1.30	16.58	5.10	9.99	41.33	1.17	18.58	1.12	18.81	6.67	1.27
10.60	2.59	41.31	112.67	0.89	12.60	3.93	12.10	0.67	1.39	14.60	5.48	16.14	69.33	1.30	16.60	5.15	10.55	42.00	1.17	18.60	1.11	17.37	7.33	1.27
10.62	2.88	40.20	57.33	0.89	12.62	4.02	11.98	0.67	1.38	14.62	5.84	16.36	70.67	1.30	16.62	5.14	10.77	42.00	1.16	18.62	1.08	17.92	6.67	1.27
10.64	2.98	41.75	58.67	0.89	12.64	4.07	12.32	0.67	1.36	14.64	6.01	15.36	70.00	1.32	16.64	5.11	10.66	42.67	1.16	18.64	1.07	19.25	7.33	1.27
10.66	3.27	38.31	62.00	0.91	12.66	4.10	10.65	0.67	1.36	14.66	5.96	14.92	68.00	1.32	16.66	5.04	10.21	44.67	1.17	18.66	1.11	20.59	6.67	1.27
10.68	3.45	35.31	63.33	0.91	12.68	4.12	8.65	0.67	1.36	14.68	5.98	16.36	69.33	1.32	16.68	4.86	9.44	42.00	1.17	18.68	1.13	20.59	7.33	1.27
10.70	3.65	35.08	57.33	0.93	12.70	4.09	7.10	0.67	1.35	14.70	5.86	16.14	66.00	1.33	16.70	4.70	9.21	42.00	1.17	18.70	1.14	22.81	8.00	1.30
10.72	3.73	37.42	42.67	0.92	12.72	3.97	6.54	0.67	1.36	14.72	5.65	14.92	63.33	1.33	16.72	4.53	8.99	41.33	1.17	18.72	1.25	22.92	8.00	1.29
10.74	3.80	40.86	30.67	0.93	12.74	3.79	6.54	0.67	1.36	14.74	5.36	11.93	60.67	1.33	16.74	4.34	9.54	42.67	1.17	18.74	1.62	22.15	11.33	1.29
10.76	3.87	44.64	0.00	0.92	12.76	3.49	11.31	1.33	1.42	14.76	5.15	8.15	58.67	1.35	16.76	4.24	9.32	40.67	1.17	18.76	2.47	30.15	20.00	1.29
10.78	3.91	44.53	24.00	0.93	12.78	2.98	17.32	2.67	1.42	14.78	4.97	7.59	56.00	1.33	16.78	4.09	9.55	40.00	1.17	18.78	3.37	31.37	27.33	1.30
10.80	4.05	49.31	33.33	0.93	12.80	2.80	22.21	4.00	1.43	14.80	5.00	9.48	56.67	1.35	16.80	3.95	9.32	38.67	1.18	18.80	3.81	32.37	31.33	1.30
10.82	4.27	56.64	42.67	0.94	12.82	2.50	33.88	3.33	1.40	14.82	5.05	11.37	56.00	1.35	16.82	3.92	9.43	38.67	1.18	18.82	4.00	34.15	32.67	1.31
10.84	4.65	65.97	46.67	0.95	12.84	2.03	46.10	6.00	1.40	14.84	5.20	12.93	55.33	1.37	16.84	3.89	8.99	38.00	1.18	18.84	4.07	26.70	34.00	1.31
10.86	4.93	74.09	51.33	0.96	12.86	2.23	52.21	5.33	1.39	14.86	5.32	14.26	53											



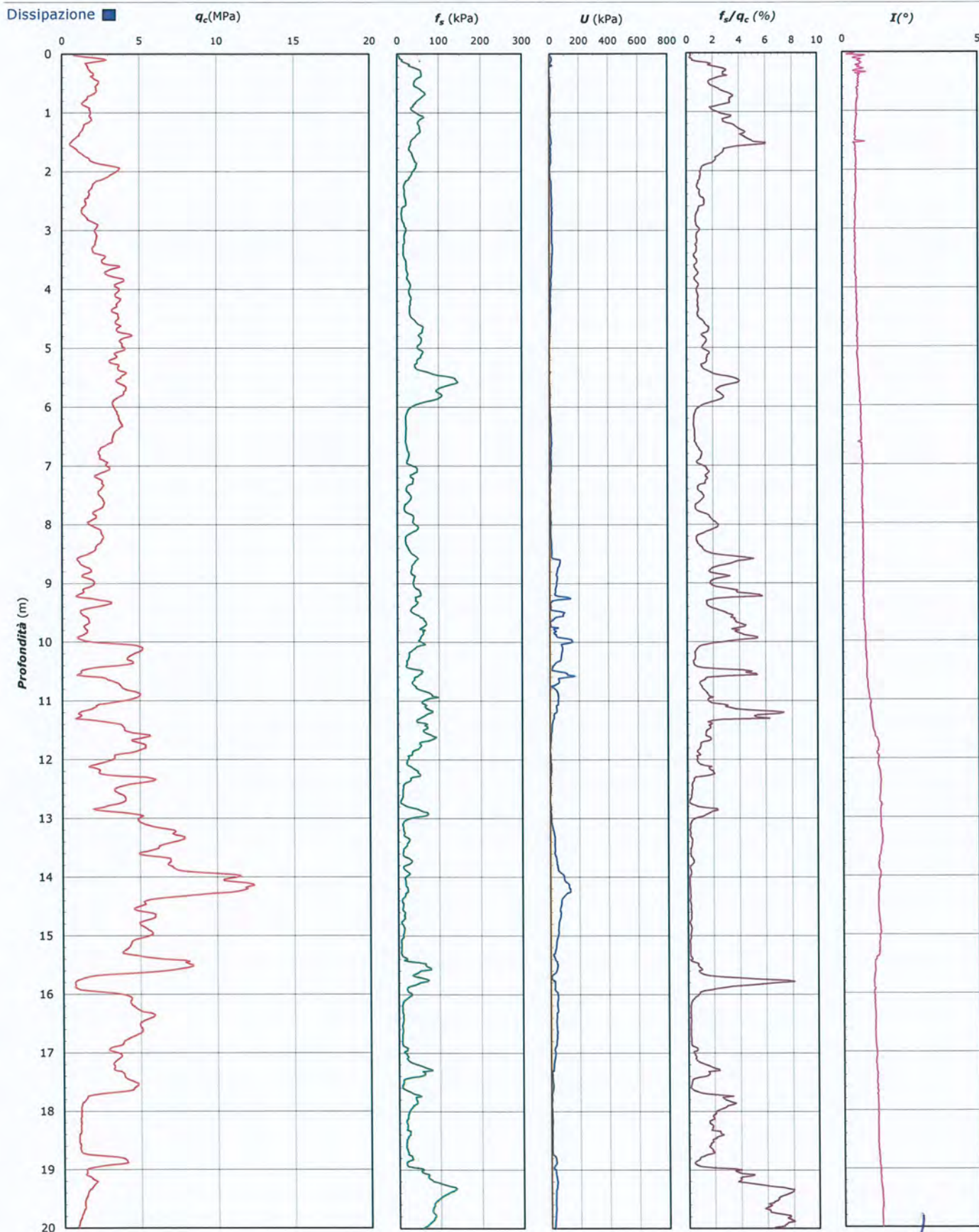
**COMMITTENTE:** A.I.P.O Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 4 SA PROF. FALDA (m da p.c.): VON DET PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 28/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.716204° LONG. (WGS 84): 11.034139°

COMMESSA: 13931/14 C. SITO N°: S150459 del 30.06.15 OPERATORE: L. Zanirato



Lo Sperimentatore:  
dott. Luciano Rossi

S150459-069 CPT 4 SA - pag 3 di 4

Il Direttore Settore Prove in Sito:  
dott. Massimo Romagnoli





**elletipi s.r.l.**

Sede operativa ed amm.va: Via Annibale Zucchini, 69 - 44100 FERRARA  
tel. 0532/56771; fax 0532/56119 e-mail: info@elletipi.it sito: www.elletipi.it  
P IVA e Codice Fiscale n. 00174600387

Laboratorio Geotecnico autorizzato con Dec. n. 6572 del 07/10/2014, art. 59 del D.P.R. 380/2001, Circolari Ministeriali 7618/STC



**COMMITTENTE:** A.I.P.O Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 4 SA PROF. FALDA (m da p.c.): VON DET PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 28/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.716204° LONG. (WGS 84): 11.034139°

COMMESSA: 13931/14 C. SITO N°: S150459 del 30.06.15 OPERATORE: L. Zanirato

#### UBICAZIONE

Località: Arginature Fiume Panaro, Provincia di Modena.



NOTE: Utilizzato 1 anello allargatore da inizio prova

Lo Sperimentatore:  
dott. Luciano Rossi

S150459-069 CPT 4 SA - pag 4 di 4

Il Direttore Settore Prove in Sito:  
dott. Massimo Romagnoli



**COMMITTENTE:** A.I.P.O Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 1 LC

PROF. FALDA (m da p.c.): 1.20

PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 28/04/15

PREFORO (m da p.c.):

LAT. (WGS 84): 44.714265°

LONG. (WGS 84): 11.030923°

COMMESSA: 13931/14

C. SITO N°: S150452 del 30.06.15

OPERATORE: L. Zanirato

prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.
m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi
0.02	0.93	6.43	0.67	1.99	2.02	0.75	33.81	122.67	0.90	4.02	0.89	22.64	234.00	0.65	6.02	0.79	19.26	332.00	0.53	8.02	1.43	67.72	207.33	0.44
0.04	1.35	13.55	0.67	1.54	2.04	0.76	32.15	110.67	0.90	4.04	0.87	22.42	212.00	0.66	6.04	0.79	19.48	309.33	0.52	8.04	1.44	69.61	221.33	0.46
0.06	1.59	21.98	5.33	1.71	2.06	0.78	30.48	118.67	0.92	4.06	0.91	25.41	224.67	0.65	6.06	0.79	21.26	243.33	0.53	8.06	1.49	73.61	188.67	0.45
0.08	2.00	28.99	4.00	0.52	2.08	0.70	27.70	154.67	0.90	4.08	0.90	27.86	240.00	0.64	6.08	0.77	22.48	259.33	0.52	8.08	1.47	78.05	154.00	0.44
0.10	2.38	39.10	15.33	1.31	2.10	0.70	24.04	102.67	0.90	4.10	1.01	29.64	200.00	0.63	6.10	0.79	21.59	146.67	0.53	8.10	1.49	81.05	220.67	0.43
0.12	2.77	56.45	16.67	1.46	2.12	0.76	24.26	118.00	0.89	4.12	0.96	30.52	136.00	0.62	6.12	0.81	25.03	282.00	0.53	8.12	1.43	85.05	258.00	0.45
0.14	3.01	65.01	39.33	1.51	2.14	0.71	24.93	141.33	0.89	4.14	0.97	33.41	166.67	0.63	6.14	0.78	22.37	316.67	0.54	8.14	1.44	91.05	258.67	0.43
0.16	3.16	83.57	33.33	1.34	2.16	0.71	24.04	154.67	0.89	4.16	1.01	34.64	132.00	0.63	6.16	0.89	24.03	332.67	0.52	8.16	1.37	91.17	301.33	0.44
0.18	3.19	93.14	36.67	1.15	2.18	0.69	21.60	175.33	0.90	4.18	1.01	38.19	148.67	0.63	6.18	0.81	23.03	250.00	0.53	8.18	1.43	91.17	315.33	0.44
0.20	3.03	102.69	38.67	1.22	2.20	0.72	18.82	181.33	0.91	4.20	1.04	38.19	98.00	0.62	6.20	0.76	23.15	268.67	0.53	8.20	1.39	88.72	390.00	0.43
0.22	2.82	110.36	33.33	1.22	2.22	0.73	18.27	171.33	0.89	4.22	1.01	41.08	104.00	0.62	6.22	0.71	21.14	285.33	0.54	8.22	1.39	84.73	377.33	0.43
0.24	2.68	113.25	34.67	1.15	2.24	0.78	18.49	134.00	0.89	4.24	1.02	44.97	89.33	0.61	6.24	0.75	20.03	294.67	0.53	8.24	1.44	79.28	352.00	0.42
0.26	2.40	114.36	38.67	1.29	2.26	0.78	18.49	140.67	0.89	4.26	1.02	46.86	73.33	0.61	6.26	0.78	18.15	286.67	0.53	8.26	1.47	75.72	334.67	0.44
0.28	2.29	116.70	37.33	1.19	2.28	0.72	20.16	192.00	0.90	4.28	1.04	48.19	60.67	0.61	6.28	0.75	19.81	299.33	0.52	8.28	1.36	73.95	312.67	0.43
0.30	2.23	114.92	36.67	1.18	2.30	0.76	18.49	196.00	0.89	4.30	1.02	51.08	55.33	0.61	6.30	0.72	21.25	307.33	0.54	8.30	1.32	69.72	285.33	0.43
0.32	2.11	113.26	40.67	1.21	2.32	0.86	18.83	211.33	0.89	4.32	0.98	52.63	63.33	0.61	6.32	0.71	20.92	300.00	0.53	8.32	1.26	69.06	303.33	0.44
0.34	2.05	110.37	42.00	1.21	2.34	0.94	18.61	208.00	0.89	4.34	0.95	53.30	90.00	0.63	6.34	0.66	21.26	292.00	0.53	8.34	1.20	67.95	294.67	0.43
0.36	1.95	108.71	38.67	1.17	2.36	1.13	18.95	194.67	0.90	4.36	0.94	54.30	107.33	0.61	6.36	0.66	21.37	292.67	0.54	8.36	1.17	65.72	215.33	0.43
0.38	1.93	105.04	40.67	1.19	2.38	1.31	21.39	110.00	0.89	4.38	0.94	53.07	96.67	0.61	6.38	0.58	21.03	304.00	0.54	8.38	1.14	65.95	220.67	0.42
0.40	1.95	102.27	42.67	1.19	2.40	1.35	26.62	41.33	0.90	4.40	0.85	52.74	99.33	0.62	6.40	0.61	18.92	312.67	0.55	8.40	1.10	64.72	239.33	0.45
0.42	1.97	98.93	39.33	1.18	2.42	1.25	32.84	18.67	0.90	4.42	0.85	51.84	115.33	0.61	6.42	0.64	17.36	324.67	0.55	8.42	1.05	61.50	274.67	0.46
0.44	1.92	95.16	42.00	1.18	2.44	1.14	39.61	56.67	0.95	4.44	0.84	49.84	127.33	0.63	6.44	0.67	17.03	322.67	0.56	8.44	1.05	59.61	284.00	0.45
0.46	2.00	92.61	43.33	1.17	2.46	1.10	44.62	111.33	0.91	4.46	0.85	46.84	140.67	0.61	6.46	0.65	16.81	316.67	0.54	8.46	1.03	56.28	281.33	0.46
0.48	1.99	91.39	44.00	1.18	2.48	1.13	43.73	143.33	0.90	4.48	0.86	44.73	182.00	0.60	6.48	0.71	17.03	321.33	0.55	8.48	1.08	53.06	330.00	0.45
0.50	1.95	91.83	42.00	1.18	2.50	1.15	46.18	178.00	0.87	4.50	0.82	41.51	200.00	0.61	6.50	0.69	16.36	314.67	0.55	8.50	1.09	52.39	344.00	0.46
0.52	1.85	90.39	44.67	1.18	2.52	1.17	46.96	159.33	0.89	4.52	0.82	38.95	186.00	0.62	6.52	0.71	17.47	320.67	0.55	8.52	1.08	48.61	344.67	0.48
0.54	1.70	88.62	44.67	1.17	2.54	1.18	45.51	118.67	0.88	4.54	0.80	37.50	184.00	0.63	6.54	0.75	18.25	315.33	0.55	8.54	1.09	46.94	344.67	0.46
0.56	1.44	86.29	47.33	1.18	2.56	1.21	46.41	78.67	0.87	4.56	0.74	38.50	215.33	0.62	6.56	0.79	20.47	308.67	0.53	8.56	1.14	46.06	318.67	0.46
0.58	1.32	83.51	44.67	1.15	2.58	1.22	46.74	64.67	0.86	4.58	0.71	38.50	228.00	0.64	6.58	0.71	20.14	222.00	0.53	8.58	1.20	45.72	346.67	0.46
0.60	1.21	80.85	47.33	1.15	2.60	1.24	48.63	86.00	0.85	4.60	0.76	36.28	280.00	0.62	6.60	0.69	21.69	248.67	0.52	8.60	1.15	45.61	284.67	0.48
0.62	1.06	78.41	48.00	1.15	2.62	1.17	50.41	108.67	0.86	4.62	0.76	33.84	276.67	0.62	6.62	0.69	23.03	316.67	0.51	8.62	1.16	46.28	273.33	0.46
0.64	0.98	74.86	49.33	1.14	2.64	1.17	51.29	100.00	0.85	4.64	0.79	30.61	274.00	0.62	6.64	0.71	22.25	314.00	0.52	8.64	1.16	48.83	228.00	0.45
0.66	0.89	71.08	48.00	1.13	2.66	1.13	52.29	74.00	0.84	4.66	0.78	27.72	291.33	0.65	6.66	0.75	21.25	326.00	0.53	8.66	1.11	55.39	390.00	0.45
0.68	0.82	67.42	48.00	1.13	2.68	1.12	54.18	44.00	0.84	4.68	0.94	25.05	308.67	0.63	6.68	0.80	21.69	304.00	0.53	8.68	1.20	57.50	402.00	0.45
0.70	0.77	63.20	47.33	1.12	2.70	1.12	54.52	33.33	0.83	4.70	1.35	23.38	141.33	0.62	6.70	0.89	22.58	296.00	0.52	8.70	1.26	57.28	398.00	0.47
0.72	0.75	58.54	46.00	1.15	2.72	1.06	56.85	30.00	0.82	4.72	1.59	22.61	42.00	0.62	6.72	0.96	25.25	298.00	0.51	8.72	1.29	59.06	368.67	0.44
0.74	0.68	51.99	47.33	1.12	2.74	1.00	59.07	37.33	0.82	4.74	1.71	28.38	44.00	0.63	6.74	0.95	26.58	324.67	0.52	8.74	1.33	59.62	358.67	0.43
0.76	0.62	47.32	44.67	1.13	2.76	0.94	62.74	41.33	0.82	4.76	1.83	30.83	2.00	0.62	6.76	0.90	27.36	296.67	0.52	8.76	1.31	58.73	320.67	0.44
0.78	0.55	44.10	25.33	1.12	2.78	0.84	65.29	92.67	0.81	4.78	1.73	31.61	12.67	0.63	6.78	0.90	30.47	290.67	0.51	8.78	1.29	59.62	313.33	0.44
0.80	0.52	40.77	1.33	1.12	2.80	0.84	64.74	143.33	0.81	4.80	1.36	34.27	28.67	0.63	6.80	0.90	32.36	279.33	0.52	8.80	1.29	58.06	281.33	0.44
0.82	0.55	35.00	11.33	1.12	2.82	0.82	60.52	123.33	0.80	4.82	1.11	34.49	32.67	0.63	6.82	0.94	34.58	218.67	0.50	8.82	1.29	59.28	218.67	0.44
0.84	0.53	30.12	11.33	1.11	2.84	0.79	53.18	118.00	0.79	4.84	1.12	33.94	86.00	0.64	6.84	0.93	36.58	158.67	0.52	8.84	1.25	65.95	220.67	0.43
0.86	0.61	27.13	5.33	1.12	2.86	0.74	48.07	114.67	0.80	4.86	1.21	29.16	78.00	0.65	6.86	0.95	40.58	203.33	0.					



**COMMITTENTE: A.I.P.O Parma - Strada G. Garibaldi 75 - Parma**
**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 1 LC

PROF. FALDA (m da p.c.): 1.20

PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 28/04/15

PREFORO (m da p.c.):

LAT. (WGS 84): 44.714265°

LONG. (WGS 84): 11.030923°

COMMESSA: 13931/14

C. SITO N°: S150452 del 30.06.15

OPERATORE: L. Zanirato

prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
10.02	1.05	20.66	461.33	0.44	12.02	1.35	42.68	310.67	0.42	14.02	0.99	18.42	410.00	0.55	16.02	0.99	28.48	314.67	2.81	18.02	1.49	60.49	326.00	2.87
10.04	1.21	20.10	469.33	0.43	12.04	1.23	42.68	428.67	0.41	14.04	0.93	17.65	405.33	0.55	16.04	0.99	28.37	301.33	2.80	18.04	1.43	60.60	330.00	2.87
10.06	1.22	20.32	280.00	0.44	12.06	1.23	45.68	506.67	0.41	14.06	0.98	18.65	413.33	0.55	16.06	0.99	28.48	287.33	2.82	18.06	1.46	60.38	340.00	2.85
10.08	1.28	22.88	425.33	0.44	12.08	1.23	44.90	498.00	0.40	14.08	1.22	18.76	431.33	0.58	16.08	1.01	28.70	230.00	2.80	18.08	1.49	60.27	347.33	2.86
10.10	1.40	27.33	444.00	0.44	12.10	1.27	45.68	508.67	0.45	14.10	1.28	19.65	442.67	0.56	16.10	1.02	28.48	197.33	2.81	18.10	1.47	60.38	349.33	2.87
10.12	1.51	31.99	458.67	0.43	12.12	1.35	49.91	522.67	0.42	14.12	1.46	21.76	380.67	0.57	16.12	1.00	28.93	192.67	2.81	18.12	1.53	59.71	346.67	2.86
10.14	1.53	36.33	295.33	0.42	12.14	1.32	50.24	508.00	0.42	14.14	1.75	22.76	308.67	0.57	16.14	1.02	28.93	190.00	2.81	18.14	1.53	58.60	321.33	2.86
10.16	1.55	40.66	132.00	0.40	12.16	1.35	51.25	476.67	0.42	14.16	2.48	25.78	84.00	0.58	16.16	0.99	29.04	188.67	2.81	18.16	1.48	57.60	316.67	2.87
10.18	1.49	60.78	225.33	0.41	12.18	1.38	52.25	445.33	0.42	14.18	2.88	39.33	76.67	0.58	16.18	0.97	29.70	188.00	2.81	18.18	1.44	56.71	312.67	2.86
10.20	1.46	70.89	218.00	0.45	12.20	1.42	53.26	414.00	0.42	14.20	3.42	53.67	156.67	0.60	16.20	1.01	29.59	188.00	2.80	18.20	1.44	55.93	310.00	2.88
10.22	1.51	77.56	209.33	0.42	12.22	1.47	49.17	518.67	0.43	14.22	4.16	65.44	93.33	0.58	16.22	0.96	30.38	184.67	2.81	18.22	1.49	54.38	306.67	2.87
10.24	1.41	86.22	210.00	0.42	12.24	1.52	50.72	466.00	0.43	14.24	4.76	78.67	49.33	0.57	16.24	0.96	30.27	196.67	2.81	18.24	1.42	55.05	306.00	2.87
10.26	1.42	92.89	171.33	0.43	12.26	1.56	50.39	348.00	0.43	14.26	5.39	90.33	23.33	0.59	16.26	0.97	30.27	222.00	2.80	18.26	1.42	54.83	304.00	2.87
10.28	1.40	96.22	232.67	0.43	12.28	1.51	58.72	337.33	0.43	14.28	5.89	99.00	3.33	0.60	16.28	0.97	30.49	235.33	2.81	18.28	1.46	53.93	304.00	2.88
10.30	1.40	98.88	304.00	0.43	12.30	1.49	65.28	346.67	0.42	14.30	6.40	108.11	12.67	0.58	16.30	1.00	30.49	236.00	2.81	18.30	1.41	54.49	301.33	2.87
10.32	1.38	99.44	302.67	0.43	12.32	1.45	69.51	316.67	0.43	14.32	6.68	110.33	24.00	0.60	16.32	1.05	30.27	224.67	2.81	18.32	1.41	54.27	298.00	2.88
10.34	1.42	96.44	229.33	0.43	12.34	1.39	74.84	377.33	0.42	14.34	6.83	103.33	31.33	0.59	16.34	1.05	30.38	222.67	2.80	18.34	1.38	54.38	294.00	2.87
10.36	1.42	94.66	192.67	0.43	12.36	1.32	76.17	385.33	0.42	14.36	6.96	97.88	36.00	0.58	16.36	1.08	30.38	219.33	2.81	18.36	1.41	54.71	288.00	2.88
10.38	1.47	95.88	195.33	0.39	12.38	1.34	74.28	429.33	0.42	14.38	7.08	102.66	37.33	0.58	16.38	1.08	31.49	206.67	2.82	18.38	1.41	55.05	286.67	2.87
10.40	1.52	95.55	184.00	0.40	12.40	1.36	73.95	462.67	0.45	14.40	7.22	106.99	38.67	0.58	16.40	1.12	32.27	222.67	2.81	18.40	1.40	55.49	286.67	2.88
10.42	1.58	94.32	181.33	0.40	12.42	1.34	71.39	470.00	0.42	14.42	7.36	112.10	37.33	0.59	16.42	1.14	32.94	226.00	2.81	18.42	1.41	56.16	286.67	2.88
10.44	1.62	95.98	235.33	0.39	12.44	1.32	67.62	440.00	0.43	14.44	7.41	114.32	36.67	0.58	16.44	1.19	33.83	221.33	2.81	18.44	1.40	56.38	282.00	2.88
10.46	1.59	99.20	292.00	0.40	12.46	1.31	62.73	364.67	0.42	14.46	7.17	112.99	38.67	0.57	16.46	1.20	34.60	198.67	2.81	18.46	1.42	57.16	274.67	2.87
10.48	1.60	102.20	340.67	0.40	12.48	1.25	64.62	494.67	0.42	14.48	7.39	92.98	22.00	0.56	16.48	1.20	35.38	152.00	2.81	18.48	1.42	57.16	258.67	2.88
10.50	1.58	106.64	322.67	0.38	12.50	1.22	65.18	508.00	0.42	14.50	7.62	72.97	5.33	0.55	16.50	1.21	35.83	149.33	2.81	18.50	1.46	57.82	250.00	2.90
10.52	1.52	102.97	292.67	0.40	12.52	1.29	57.18	515.33	0.41	14.52	6.88	77.53	29.33	0.52	16.52	1.24	36.27	148.67	2.81	18.52	1.41	57.93	232.00	2.87
10.54	1.50	98.86	211.33	0.39	12.54	1.38	51.73	524.00	0.42	14.54	6.58	71.86	32.00	0.49	16.54	1.24	36.61	132.00	2.81	18.54	1.38	58.60	225.33	2.88
10.56	1.44	98.41	214.67	0.41	12.56	1.49	48.07	528.67	0.43	14.56	6.02	70.08	33.33	0.49	16.56	1.23	37.05	128.67	2.81	18.56	1.49	58.49	208.00	2.88
10.58	1.35	98.97	265.33	0.39	12.58	1.59	48.84	521.33	0.42	14.58	5.40	58.41	32.67	0.50	16.58	1.24	37.27	129.33	2.81	18.58	1.37	59.69	192.67	2.87
10.60	1.31	99.07	269.33	0.39	12.60	1.64	49.18	403.33	0.42	14.60	4.91	50.63	6.67	0.48	16.60	1.20	38.16	137.33	2.81	18.60	1.41	59.71	186.00	2.87
10.62	1.28	95.29	332.00	0.42	12.62	1.67	50.62	339.33	0.43	14.62	4.46	33.29	18.67	0.49	16.62	1.21	38.72	146.67	2.82	18.62	1.37	60.60	175.33	2.87
10.64	1.27	92.51	377.33	0.39	12.64	1.66	56.73	324.00	0.43	14.64	4.31	20.51	27.33	0.49	16.64	1.23	39.05	159.33	2.81	18.64	1.41	60.60	162.67	2.88
10.66	1.29	90.29	356.67	0.42	12.66	1.63	66.40	302.00	0.43	14.66	4.21	18.18	32.67	0.51	16.66	1.23	39.61	141.33	2.82	18.66	1.36	61.49	144.67	2.88
10.68	1.33	87.84	338.67	0.39	12.68	1.67	74.29	336.00	0.45	14.68	4.29	26.73	26.67	0.52	16.68	1.24	39.83	105.33	2.81	18.68	1.40	62.49	130.00	2.87
10.70	1.38	85.73	339.33	0.42	12.70	1.76	83.85	328.67	0.45	14.70	4.45	38.95	4.00	0.51	16.70	1.33	40.72	88.67	2.81	18.70	1.35	64.05	125.33	2.87
10.72	1.37	81.84	347.33	0.41	12.72	1.87	93.40	456.00	0.44	14.72	4.56	50.50	18.67	0.50	16.72	1.35	40.83	251.33	2.81	18.72	1.32	65.60	121.33	2.87
10.74	1.37	79.17	356.67	0.41	12.74	1.93	100.18	333.33	0.46	14.74	5.29	75.17	20.67	0.50	16.74	1.35	40.83	292.00	2.81	18.74	1.32	67.71	119.33	2.90
10.76	1.40	78.61	340.67	0.41	12.76	2.05	103.51	262.00	0.46	14.76	6.24	91.06	21.33	0.50	16.76	1.37	40.94	294.67	2.81	18.76	1.26	73.38	108.00	2.88
10.78	1.39	78.06	335.33	0.43	12.78	1.94	109.85	270.67	0.46	14.78	7.06	91.05	24.67	0.50	16.78	1.43	41.28	273.33	2.82	18.78	1.29	74.05	105.33	2.88
10.80	1.40	79.94	314.67	0.41	12.80	1.96	110.51	239.33	0.47	14.80	7.26	87.83	28.00	0.49	16.80	1.42	40.94	274.67	2.82	18.80	1.29	75.60	105.33	2.87
10.82	1.37	83.50	351.33	0.42	12.82	1.94	110.51	216.67	0.46	14.82	7.13	89.71	30.00	0.51	16.82	1.53	41.50	226.00	2.82	18.82	1.29	76.27	104.00	2.87
10.84	1.40	85.05	356.67	0.43	12.84	1.91	112.07	162.67	0.45	14.84	6.66	89.05	32.00	0.50	16.84	1.56	41.05	187.33	2.81	18.84	1.23	78.27	102.67	2.88
10.86	1.38	85.61																						



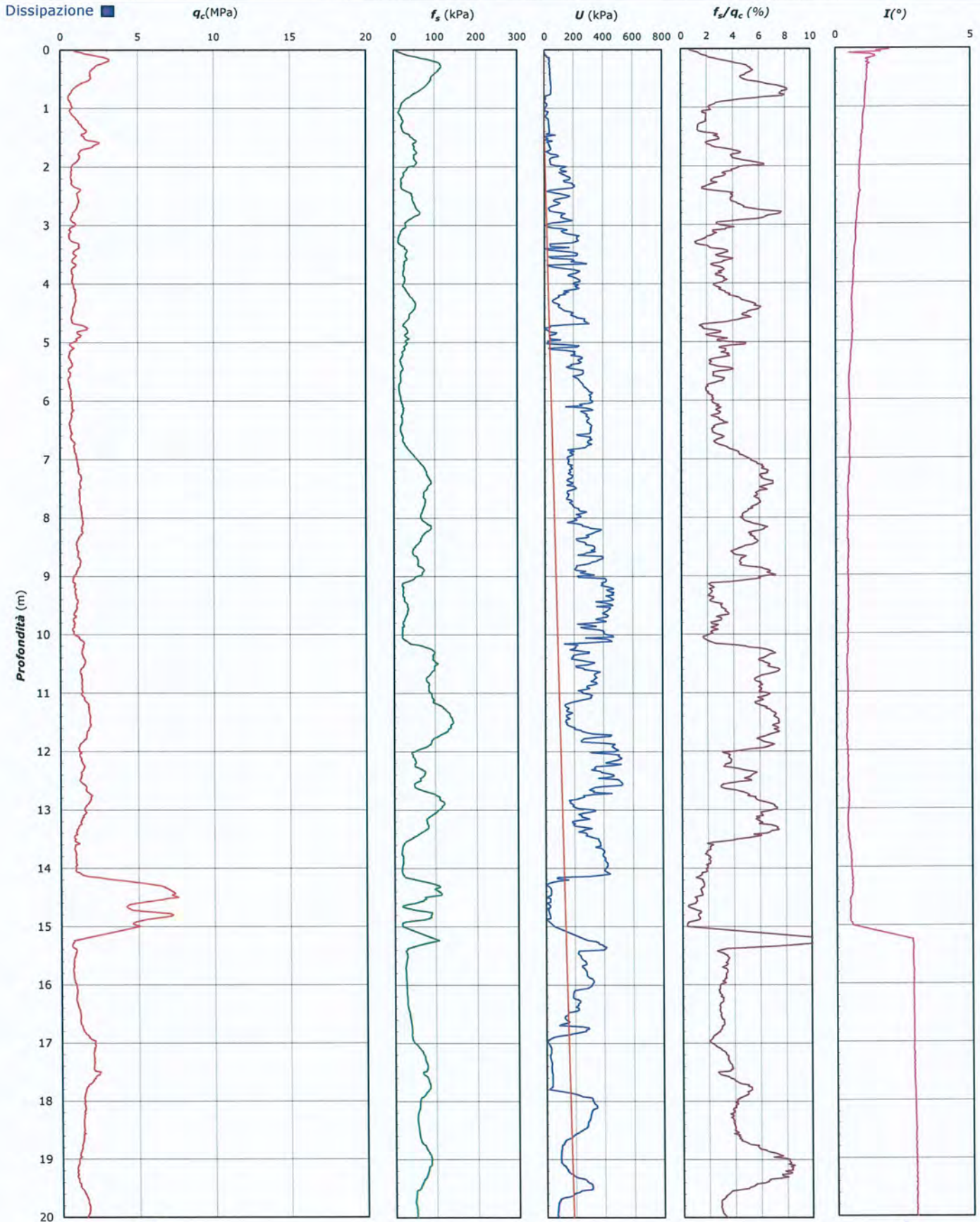
**COMMITTENTE:** A.I.P.O Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 1 LC PROF. FALDA (m da p.c.): 1.20 PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 28/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.714265° LONG. (WGS 84): 11.030923°

COMMESSA: 13931/14 C. SITO N°: S150452 del 30.06.15 OPERATORE: L. Zanirato



Lo Sperimentatore:  
dott. Luciano Rossi

S150452-069 CPT 1 LC - pag 3 di 4

Il Direttore Settore Prove in Sito:  
dott. Massimo Romagnoli



**COMMITTENTE:** **A.I.PO Parma - Strada G. Garibaldi 75 - Parma**

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 1 LC PROF. FALDA (m da p.c.): 1.20 PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 28/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.714265° LONG. (WGS 84): 11.030923°

COMMESSA: 13931/14 C. SITO N°: S150452 del 30.06.15 OPERATORE: L. Zanirato

#### UBICAZIONE

Località: Arginature Fiume Panaro, Provincia di Modena.



NOTE: Utilizzato 1 anello allargatore da inizio prova

Lo Sperimentatore:  
dott. Luciano Rossi

S150452-069 CPT 1 LC - pag 4 di 4

Il Direttore Settore Prove in Sito:  
dott. Massimo Romagnoli



**COMMITTENTE: A.I.P.O Parma - Strada G. Garibaldi 75 - Parma**

**CANTIERE: Arginature Fiume Panaro, Provincia di Modena.**

**PROVA N°: 069 CPT 4 LC**

**PROF. FALDA (m da p.c.): 3.60**

**PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]**

**DATA: 27/04/15**

**PREFORO (m da p.c.):**

**LAT. (WGS 84): 44.716314°**

**LONG. (WGS 84): 11.034009°**

**COMMESSA: 13931/14**

**C. SITO N°: S150453 del 30.06.15**

**OPERATORE: L. Zanirato**

prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
0.02	1.27	9.63	7.33	0.42	2.02	1.60	42.09	12.67	0.31	4.02	1.32	37.88	180.00	0.09	6.02	2.81	60.82	74.00	0.04	8.02	1.10	60.01	148.00	0.10	10.02	1.10	60.01	148.00	0.10
0.04	1.55	19.85	5.33	0.70	2.04	1.74	37.20	15.33	0.30	4.04	1.64	37.55	3.33	0.10	6.04	2.89	63.93	78.00	0.06	8.04	1.13	63.35	177.33	0.10	10.04	1.13	63.35	177.33	0.10
0.06	1.95	29.96	3.33	0.45	2.06	1.82	33.21	14.00	0.29	4.06	1.62	42.77	32.00	0.08	6.06	3.08	68.49	76.00	0.05	8.06	1.18	63.90	178.67	0.09	10.06	1.18	63.90	178.67	0.09
0.08	1.98	41.51	2.00	0.39	2.08	1.88	24.57	20.67	0.30	4.08	1.56	45.00	40.67	0.06	6.08	3.22	70.04	74.00	0.04	8.08	1.17	62.34	162.67	0.09	10.08	1.17	62.34	162.67	0.09
0.10	2.13	55.09	2.00	0.44	2.10	1.90	22.79	24.67	0.30	4.10	1.49	49.66	69.33	0.09	6.10	3.32	67.82	76.67	0.03	8.10	1.18	60.23	137.33	0.09	10.10	1.18	60.23	137.33	0.09
0.12	2.10	59.97	6.00	0.73	2.12	1.93	20.58	25.33	0.30	4.12	1.43	42.22	8.00	0.07	6.12	3.41	65.37	76.00	0.06	8.12	1.19	58.34	110.00	0.09	10.12	1.19	58.34	110.00	0.09
0.14	2.38	70.98	8.00	0.36	2.14	1.92	20.13	24.67	0.27	4.14	1.31	45.33	31.33	0.05	6.14	2.64	50.16	69.33	0.06	8.14	1.15	59.56	128.67	0.11	10.14	1.15	59.56	128.67	0.11
0.16	2.26	77.97	10.00	0.74	2.16	1.85	20.13	25.33	0.29	4.16	1.16	49.33	33.33	0.06	6.16	2.56	53.72	70.67	0.05	8.16	1.17	60.78	141.33	0.10	10.16	1.17	60.78	141.33	0.10
0.18	2.25	85.42	5.33	0.47	2.18	1.99	21.59	24.67	0.26	4.18	0.88	50.11	35.33	0.07	6.18	2.49	49.94	72.00	0.07	8.18	1.21	62.23	148.67	0.09	10.18	1.21	62.23	148.67	0.09
0.20	2.15	87.98	7.33	0.62	2.20	1.96	22.25	24.00	0.28	4.20	0.75	50.66	53.33	0.06	6.20	2.42	50.05	69.33	0.09	8.20	1.21	64.34	143.33	0.10	10.20	1.21	64.34	143.33	0.10
0.22	2.16	86.32	10.00	0.60	2.22	1.99	22.14	22.00	0.29	4.22	0.79	42.00	215.33	0.04	6.22	2.40	51.05	70.00	0.05	8.22	1.22	66.45	141.33	0.10	10.22	1.22	66.45	141.33	0.10
0.24	2.14	85.54	7.33	0.44	2.24	2.02	21.59	27.33	0.27	4.24	1.08	37.55	124.67	0.06	6.24	2.40	52.50	70.00	0.07	8.24	1.21	69.78	137.33	0.10	10.24	1.21	69.78	137.33	0.10
0.26	1.97	79.75	6.67	0.47	2.26	2.00	21.36	26.00	0.29	4.26	1.43	36.00	20.00	0.06	6.26	2.40	56.27	70.67	0.08	8.26	1.18	69.56	130.67	0.09	10.26	1.18	69.56	130.67	0.09
0.28	1.86	73.42	10.67	0.57	2.28	2.05	21.03	24.00	0.27	4.28	1.68	39.44	12.67	0.06	6.28	2.37	61.27	72.00	0.09	8.28	1.21	68.56	125.33	0.10	10.28	1.21	68.56	125.33	0.10
0.30	1.77	70.10	13.33	0.57	2.30	2.00	18.25	26.00	0.30	4.30	2.04	39.88	28.67	0.04	6.30	2.44	57.38	70.00	0.06	8.30	1.23	69.00	127.33	0.10	10.30	1.23	69.00	127.33	0.10
0.32	1.62	66.76	12.67	0.51	2.32	2.00	15.48	26.00	0.27	4.32	2.50	37.77	21.33	0.02	6.32	2.42	56.82	76.00	0.05	8.32	1.21	69.45	129.33	0.09	10.32	1.21	69.45	129.33	0.09
0.34	1.48	64.10	14.00	0.51	2.34	1.90	13.37	25.33	0.27	4.34	3.04	33.10	18.67	0.01	6.34	2.44	57.82	76.67	0.04	8.34	1.24	69.11	149.33	0.10	10.34	1.24	69.11	149.33	0.10
0.36	1.50	65.10	11.33	0.50	2.36	1.78	13.92	27.33	0.29	4.36	3.49	30.88	20.00	0.03	6.36	2.56	53.72	70.67	0.04	8.36	1.31	67.78	169.33	0.09	10.36	1.31	67.78	169.33	0.09
0.38	1.49	65.88	15.33	0.31	2.38	1.71	14.26	27.33	0.27	4.38	3.73	27.99	20.00	0.04	6.38	2.49	49.94	72.00	0.05	8.38	1.34	67.22	159.33	0.09	10.38	1.34	67.22	159.33	0.09
0.40	1.44	68.10	16.67	0.48	2.40	1.74	15.48	28.67	0.27	4.40	3.90	23.65	14.00	0.04	6.40	2.42	50.05	69.33	0.04	8.40	1.36	67.00	132.67	0.09	10.40	1.36	67.00	132.67	0.09
0.42	1.44	68.32	16.67	0.46	2.42	1.61	17.26	29.33	0.34	4.42	4.01	17.99	13.33	0.04	6.42	2.40	51.05	70.00	0.06	8.42	1.42	69.44	116.00	0.08	10.42	1.42	69.44	116.00	0.08
0.44	1.43	66.77	15.33	0.46	2.44	1.60	18.70	28.67	0.27	4.44	4.13	14.99	10.67	0.04	6.44	2.40	52.50	70.00	0.05	8.44	1.48	71.22	102.67	0.08	10.44	1.48	71.22	102.67	0.08
0.46	1.45	61.43	15.33	0.45	2.46	1.52	19.48	30.00	0.26	4.46	4.03	13.10	11.33	0.06	6.46	2.40	56.27	70.67	0.05	8.46	1.47	75.56	88.67	0.10	10.46	1.47	75.56	88.67	0.10
0.48	1.49	53.55	18.00	0.50	2.48	1.47	21.15	28.67	0.25	4.48	3.91	11.55	12.67	0.06	6.48	2.37	61.27	72.00	0.07	8.48	1.45	80.55	126.67	0.08	10.48	1.45	80.55	126.67	0.08
0.50	1.57	47.66	14.67	0.45	2.50	1.23	23.38	29.33	0.25	4.50	3.62	10.22	11.33	0.06	6.50	2.44	57.38	70.00	0.05	8.50	1.53	85.77	104.67	0.10	10.50	1.53	85.77	104.67	0.10
0.52	1.51	40.66	17.33	0.46	2.52	1.06	26.71	31.33	0.25	4.52	3.43	9.77	10.00	0.06	6.52	2.42	56.82	76.00	0.06	8.52	1.48	91.33	100.00	0.08	10.52	1.48	91.33	100.00	0.08
0.54	1.55	32.55	18.67	0.50	2.54	0.94	32.16	24.00	0.25	4.54	3.20	8.77	9.33	0.07	6.54	2.44	57.82	76.67	0.07	8.54	1.48	97.11	90.00	0.06	10.54	1.48	97.11	90.00	0.06
0.56	1.66	26.78	18.67	0.49	2.56	0.85	34.16	30.00	0.25	4.56	2.91	7.77	6.67	0.06	6.56	2.52	12.49	9.33	0.06	8.56	1.46	100.33	105.33	0.08	10.56	1.46	100.33	105.33	0.08
0.58	1.62	22.00	20.00	0.50	2.58	0.90	33.27	44.67	0.25	4.58	2.75	7.10	6.67	0.05	6.58	2.45	12.05	8.00	0.07	8.58	1.44	103.44	152.00	0.05	10.58	1.44	103.44	152.00	0.05
0.60	1.66	18.89	17.33	0.44	2.60	1.02	33.38	60.67	0.24	4.60	2.69	6.44	9.33	0.06	6.60	3.31	12.49	13.33	0.08	8.60	1.46	104.77	216.67	0.04	10.60	1.46	104.77	216.67	0.04
0.62	1.67	17.11	20.00	0.47	2.62	1.18	32.27	42.67	0.25	4.62	2.65	6.43	9.33	0.05	6.62	2.35	19.48	14.00	0.08	8.62	1.41	104.77	210.00	0.05	10.62	1.41	104.77	210.00	0.05
0.64	1.75	16.78	17.33	0.46	2.64	1.30	30.83	8.67	0.25	4.64	2.81	6.65	7.33	0.07	6.64	1.88	31.04	13.33	0.07	8.64	1.40	103.99	230.00	0.04	10.64	1.40	103.99	230.00	0.04
0.66	1.75	14.67	20.67	0.49	2.66	1.37	28.94	1.33	0.23	4.66	3.02	8.77	4.00	0.08	6.66	1.64	45.15	2.67	0.09	8.66	1.40	100.43	232.67	0.05	10.66	1.40	100.43	232.67	0.05
0.68	1.80	13.45	18.67	0.46	2.68	1.21	27.05	20.00	0.25	4.68	3.22	11.32	2.00	0.08	6.68	1.54	54.37	9.33	0.10	8.68	1.41	99.21	216.67	0.05	10.68	1.41	99.21	216.67	0.05
0.70	1.79	13.35	18.00	0.44	2.70	1.11	28.94	3.33	0.23	4.70	3.48	13.21	2.00	0.07	6.70	1.39	59.81	53.33	0.09	8.70	1.41	96.99	193.33	0.06	10.70	1.41	96.99	193.33	0.06
0.72	1.73	13.01	20.00	0.45	2.72	1.00	31.05	23.33	0.24	4.72	3.69	15.09	1.33	0.08	6.72	1.16	62.24	173.33	0.10	8.72	1.45	95.32	198.67	0.05	10.72	1.45	95.32	198.67	0.05
0.74	1.69	13.69	20.67	0.46	2.74	0.96	32.39	30.00	0.23																				



**COMMITTENTE:** A.I.P.O Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 4 LC

PROF. FALDA (m da p.c.): 3.60

PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 27/04/15

PREFORO (m da p.c.):

LAT. (WGS 84): 44.716314°

LONG. (WGS 84): 11.034009°

COMMESSA: 13931/14

C. SITO N°: S150453 del 30.06.15

OPERATORE: L. Zanirato

prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
10.02	0.93	18.90	396.00	0.04	12.02	1.42	53.47	54.00	0.16	14.02	1.56	92.75	305.33	0.43	16.02	0.99	28.48	314.67	2.81	18.02	1.49	60.49	326.00	2.87
10.04	1.18	21.36	156.67	0.03	12.04	1.16	45.14	40.67	0.15	14.04	1.57	90.97	254.67	0.43	16.04	0.99	28.37	301.33	2.80	18.04	1.43	60.60	330.00	2.87
10.06	1.17	24.14	151.33	0.05	12.06	0.89	39.02	22.00	0.17	14.06	1.59	88.19	257.33	0.43	16.06	0.99	28.48	287.33	2.82	18.06	1.46	60.38	340.00	2.85
10.08	1.18	26.70	144.67	0.05	12.08	0.80	29.91	79.33	0.19	14.08	1.59	86.30	228.00	0.44	16.08	1.01	28.70	230.00	2.80	18.08	1.49	60.27	347.33	2.86
10.10	1.14	29.37	144.67	0.05	12.10	0.83	24.36	125.33	0.21	14.10	1.57	84.30	162.00	0.45	16.10	1.02	28.40	197.33	2.81	18.10	1.47	60.38	349.33	2.87
10.12	1.11	30.92	167.33	0.06	12.12	0.95	22.47	159.33	0.22	14.12	1.56	85.41	144.00	0.45	16.12	1.00	28.93	192.67	2.81	18.12	1.53	59.71	346.67	2.86
10.14	1.09	32.15	208.00	0.05	12.14	1.17	23.14	202.67	0.20	14.14	1.53	87.52	145.33	0.45	16.14	1.02	28.93	190.00	2.81	18.14	1.53	58.60	321.33	2.86
10.16	1.09	32.59	245.33	0.06	12.16	1.58	27.02	288.00	0.18	14.16	1.45	92.30	202.00	0.45	16.16	0.99	29.04	188.67	2.81	18.16	1.48	57.60	316.67	2.87
10.18	1.09	32.26	254.67	0.05	12.18	2.35	29.91	290.67	0.15	14.18	1.40	99.53	310.00	0.47	16.18	0.97	29.70	188.00	2.81	18.18	1.44	56.71	312.67	2.86
10.20	1.11	31.81	264.67	0.06	12.20	4.04	45.70	5.33	0.10	14.20	1.47	101.42	327.33	0.48	16.20	1.01	29.59	188.00	2.81	18.20	1.44	55.93	310.00	2.88
10.22	1.11	31.70	280.00	0.06	12.22	4.49	49.48	7.33	0.08	14.22	1.51	99.42	292.00	0.48	16.22	0.96	30.38	184.67	2.80	18.22	1.49	54.38	306.67	2.87
10.24	1.16	32.15	296.67	0.07	12.24	4.76	57.48	8.00	0.10	14.24	1.48	97.64	250.67	0.48	16.24	0.96	30.27	196.67	2.81	18.24	1.42	55.05	306.00	2.87
10.26	1.16	32.59	302.00	0.06	12.26	4.31	59.70	11.33	0.07	14.26	1.46	95.31	216.67	0.48	16.26	0.97	30.27	222.00	2.80	18.26	1.42	54.83	304.00	2.87
10.28	1.17	31.48	310.00	0.06	12.28	3.32	58.03	15.33	0.10	14.28	1.42	91.31	200.00	0.49	16.28	0.97	30.49	235.33	2.81	18.28	1.46	53.93	304.00	2.88
10.30	1.44	34.82	327.33	0.05	12.30	2.64	60.03	15.33	0.11	14.30	1.37	90.42	235.33	0.50	16.30	1.00	30.49	236.00	2.81	18.30	1.41	54.49	301.33	2.87
10.32	1.41	37.49	212.00	0.05	12.32	2.14	64.37	14.67	0.14	14.32	1.33	90.64	235.33	0.50	16.32	1.05	30.27	224.67	2.81	18.32	1.41	54.27	298.00	2.88
10.34	1.23	37.04	188.00	0.06	12.34	1.78	71.48		0.14	14.34	1.32	90.87	213.33	0.51	16.34	1.05	30.38	222.67	2.80	18.34	1.38	54.38	294.00	2.87
10.36	1.11	40.15	309.33	0.05	12.36	1.71	72.26	301.33	0.13	14.36	1.29	88.75	186.00	0.51	16.36	1.08	30.38	219.33	2.81	18.36	1.41	54.71	288.00	2.88
10.38	1.20	37.27	446.00	0.05	12.38	2.37	63.37	456.00	0.12	14.38	1.22	89.31	197.33	0.52	16.38	1.08	31.49	206.67	2.82	18.38	1.41	55.05	286.67	2.87
10.40	1.19	32.71	344.00	0.04	12.40	3.07	79.04	120.00	0.12	14.40	1.17	87.42	202.00	0.51	16.40	1.12	32.27	222.67	2.81	18.40	1.40	55.49	286.67	2.88
10.42	1.14	32.15	310.67	0.04	12.42	3.43	79.26	33.33	0.12	14.42	1.11	84.98	219.33	0.52	16.42	1.14	32.94	226.00	2.81	18.42	1.41	56.16	286.67	2.88
10.44	1.25	36.04	394.00	0.03	12.44	3.35	94.92	46.67	0.12	14.44	1.05	81.20	236.67	0.53	16.44	1.19	33.83	221.33	2.81	18.44	1.40	56.38	282.00	2.88
10.46	1.18	34.71	299.33	0.05	12.46	2.77	100.92	53.33	0.11	14.46	1.04	78.09	252.00	0.52	16.46	1.20	34.60	198.67	2.81	18.46	1.42	57.16	274.67	2.87
10.48	1.24	35.05	332.00	0.05	12.48	2.14	102.81	59.33	0.08	14.48	1.04	75.64	280.00	0.53	16.48	1.20	35.38	152.00	2.81	18.48	1.42	57.16	258.67	2.88
10.50	1.25	38.27	472.00	0.04	12.50	1.85	99.59	54.00	0.08	14.50	1.00	71.98	256.00	0.52	16.50	1.21	35.83	149.33	2.81	18.50	1.46	57.82	250.00	2.90
10.52	1.36	34.27	409.33	0.05	12.52	1.72	94.59	70.67	0.09	14.52	0.94	68.31	277.33	0.52	16.52	1.24	36.27	148.67	2.81	18.52	1.41	57.93	232.00	2.87
10.54	1.32	37.04	232.67	0.05	12.54	1.65	79.36	310.00	0.08	14.54	0.90	64.31	284.67	0.51	16.54	1.24	36.61	132.00	2.81	18.54	1.38	58.60	225.33	2.88
10.56	1.19	34.15	173.33	0.03	12.56	1.49	65.58	206.00	0.08	14.56	0.87	61.98	288.00	0.49	16.56	1.23	37.05	128.67	2.81	18.56	1.49	58.49	208.00	2.88
10.58	1.13	35.38	386.67	0.02	12.58	1.37	64.35	145.33	0.09	14.58	0.87	59.31	314.67	0.51	16.58	1.24	37.27	129.33	2.81	18.58	1.37	59.60	192.67	2.87
10.60	1.19	34.60	564.67	0.05	12.60	1.31	64.91	516.00	0.08	14.60	0.88	52.20	315.33	0.52	16.60	1.20	38.16	137.33	2.81	18.60	1.41	59.71	186.00	2.87
10.62	1.58	33.05	630.67	0.05	12.62	1.24	54.80	350.00	0.09	14.62	0.90	46.64	318.00	0.48	16.62	1.21	38.72	146.67	2.82	18.62	1.37	60.60	175.33	2.87
10.64	1.84	33.93	417.33	0.02	12.64	1.28	51.02	207.33	0.09	14.64	0.94	43.31	324.67	0.49	16.64	1.23	39.05	159.33	2.81	18.64	1.41	60.60	162.67	2.88
10.66	1.67	34.82	30.67	0.04	12.66	1.54	46.68	294.00	0.12	14.66	0.92	41.20	324.67	0.49	16.66	1.23	39.61	141.33	2.82	18.66	1.36	61.49	144.67	2.88
10.68	1.36	43.93	56.67	0.04	12.68	2.04	46.46	220.67	0.14	14.68	0.91	38.09	320.00	0.48	16.68	1.24	39.83	105.33	2.81	18.68	1.40	62.49	130.00	2.87
10.70	1.23	53.04	349.33	0.05	12.70	2.40	52.46	72.00	0.14	14.70	0.87	36.87	317.33	0.48	16.70	1.33	40.72	88.67	2.81	18.70	1.35	64.05	123.33	2.87
10.72	1.26	50.82	434.67	0.05	12.72	2.29	60.91	18.67	0.12	14.72	0.88	36.21	317.33	0.49	16.72	1.35	40.83	251.33	2.81	18.72	1.32	65.60	121.33	2.87
10.74	1.28	43.71	408.67	0.04	12.74	1.94	69.68	35.33	0.11	14.74	0.92	34.65	315.33	0.48	16.74	1.35	40.83	292.00	2.81	18.74	1.32	67.71	119.33	2.90
10.76	1.18	45.15	467.33	0.03	12.76	1.68	74.12	7.33	0.12	14.76	0.92	35.43	317.33	0.47	16.76	1.37	40.94	294.67	2.81	18.76	1.26	73.38	108.00	2.88
10.78	1.32	45.49	499.33	0.03	12.78	1.41	75.24	193.33	0.10	14.78	0.94	38.32	342.67	0.48	16.78	1.43	41.28	273.33	2.82	18.78	1.29	74.05	105.33	2.88
10.80	1.46	44.60	502.67	0.05	12.80	1.27	64.12	614.67	0.07	14.80	0.98	39.99	366.00	0.48	16.80	1.42	40.94	274.67	2.82	18.80	1.29	75.60	105.33	2.87
10.82	1.56	42.49	506.00	0.03	12.82	1.35	51.35	612.67	0.08	14.82	1.06	38.99	394.67	0.48	16.82	1.53	41.50	226.00	2.82	18.82	1.29	76.27	104.00	2.87
10.84	1.60	40.93	318.67	0.03	12.84	1.38	42.01	552.00	0.08	14.84	1.17	37.77	398.67	0.46	16.84	1.56	41.05	187.33	2.81	18.84	1.23	78.27	102.67	2.88
10.86	1.67	43.04	224.00	0																				



**COMMITTENTE:** A.I.PO Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

**PROVA N°:** 069 CPT 4 LC

**PROF. FALDA (m da p.c.):** 3.60

**PUNTA:** Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

**DATA:** 27/04/15

**PREFORO (m da p.c.):**

**LAT. (WGS 84):** 44.716314°

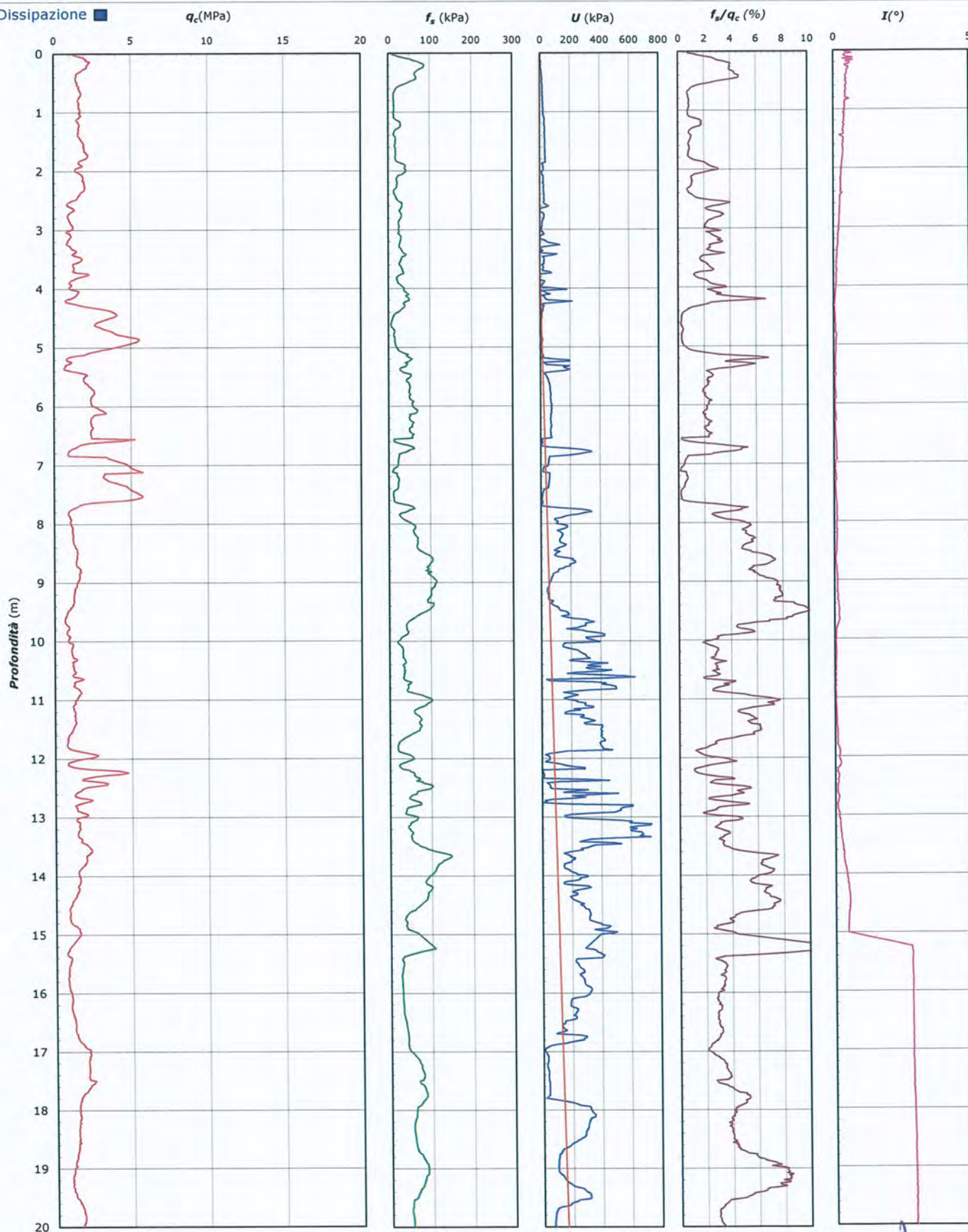
**LONG. (WGS 84):** 11.034009°

**COMMESSA:** 13931/14

**C. SITO N°:** S150453 del 30.06.15

**OPERATORE:** L. Zanirato

**Dissipazione** ■



Lo Sperimentatore:  
dott. Luciano Rossi

S150453-069 CPT 4 LC - pag 3 di 4

Il Direttore Settore Prove in Sito:  
dott. Massimo Romagnoli



**COMMITTENTE:** A.I.P.O Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 4 LC PROF. FALDA (m da p.c.): 3.60 PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]  
DATA: 27/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.716314° LONG. (WGS 84): 11.034009°  
COMMESSA: 13931/14 C. SITO N°: S150453 del 30.06.15 OPERATORE: L. Zanirato

#### UBICAZIONE

Località: Arginature Fiume Panaro, Provincia di Modena.



NOTE: Utilizzato 1 anello allargatore da inizio prova

Lo Sperimentatore:  
dott. Luciano Reesi

S150453-069 CPT 4 LC - pag 4 di 4

Il Direttore Settore Prove in Sito:  
dott. Massimo Romagnoli



**COMMITTENTE: A.I.P.O Parma - Strada G. Garibaldi 75 - Parma**

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

**PROVA N°:** 069 CPT 1 LF

**PROF. FALDA (m da p.c.):** 2.60

**PUNTA:** Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

**DATA:** 27/04/15

**PREFORO (m da p.c.):**

**LAT. (WGS 84):** 44.716314°

**LONG. (WGS 84):** 11.034009°

**COMMESSA:** 13931/14

**C. SITO N°:** S150454 del 30.06.15

**OPERATORE:** L. Zanirato

prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
0.02	0.80	16.85	4.00	1.86	2.02	5.73	52.78	67.67	2.07	4.02	1.09	7.12	207.00	1.76	6.02	0.71	9.54	203.00	1.13	8.02	1.68	48.18	177.67	1.02
0.04	0.83	17.07	3.00	2.13	2.04	6.63	65.34	63.00	2.07	4.04	1.14	6.57	107.67	1.74	6.04	1.42	26.21	193.67	1.10	8.04	1.75	50.41	199.33	1.01
0.06	0.82	16.96	4.33	2.01	2.06	6.74	89.90	66.33	2.10	4.06	1.12	5.23	128.33	1.71	6.06	1.26	37.88	159.67	1.09	8.06	1.38	54.41	183.67	1.02
0.08	0.81	16.85	3.00	1.89	2.08	6.31	111.79	87.67	2.12	4.08	1.10	13.68	140.33	1.72	6.08	1.07	46.32	166.67	1.09	8.08	0.96	48.18	158.33	1.03
0.10	0.80	16.74	8.67	1.77	2.10	6.27	121.34	63.67	2.14	4.10	1.14	14.46	134.67	1.75	6.10	0.86	51.32	111.67	1.07	8.10	0.62	33.63	179.00	1.01
0.12	0.79	16.62	11.33	1.66	2.12	6.23	142.24	71.67	2.14	4.12	1.12	13.68	72.00	1.74	6.12	0.69	52.10	179.00	1.08	8.12	0.57	25.96	184.00	1.01
0.14	0.78	16.51	23.67	1.54	2.14	5.87	148.13	83.00	2.14	4.14	1.10	14.46	99.00	1.71	6.14	0.49	43.88	193.00	1.07	8.14	0.63	23.07	193.67	1.01
0.16	0.76	16.51	21.67	1.82	2.16	5.14	153.68	90.00	2.15	4.16	1.00	14.01	82.67	1.71	6.16	0.46	34.65	201.67	1.05	8.16	0.77	21.29	221.33	1.02
0.18	0.75	16.51	21.00	2.11	2.18	5.28	158.91	100.00	2.14	4.18	1.02	11.35	92.00	1.71	6.18	0.45	30.43	161.00	1.05	8.18	0.94	19.51	232.00	1.03
0.20	0.79	16.51	23.00	1.71	2.20	7.26	146.13	102.67	2.14	4.20	1.03	5.68	75.67	1.73	6.20	0.49	25.32	169.00	1.07	8.20	1.17	18.73	266.67	1.02
0.22	0.80	16.62	21.67	1.45	2.22	8.58	146.02	96.67	2.15	4.22	1.05	8.57	159.67	1.70	6.22	0.48	22.87	177.67	1.05	8.22	1.45	21.07	259.33	1.05
0.24	0.79	16.51	21.00	1.67	2.24	7.97	156.02	80.67	2.15	4.24	0.94	9.13	107.00	1.71	6.24	0.51	23.43	182.33	1.05	8.24	1.80	25.84	244.67	1.04
0.26	0.78	16.40	22.67	1.88	2.26	8.86	112.30	83.33	1.93	4.26	0.91	13.68	46.67	1.69	6.26	0.55	21.32	178.67	1.03	8.26	2.09	35.84	232.67	1.05
0.28	0.76	16.51	24.00	1.99	2.28	8.88	127.52	108.00	1.95	4.28	0.85	17.79	36.67	1.68	6.28	0.52	18.21	185.67	1.01	8.28	2.20	50.73	219.00	1.06
0.30	1.55	21.31	25.00	1.78	2.30	9.69	117.08	111.00	1.96	4.30	0.77	19.35	42.00	1.68	6.30	0.49	16.32	188.67	1.02	8.30	2.02	60.51	206.33	1.06
0.32	1.74	23.64	26.67	1.80	2.32	9.72	139.63	118.67	1.96	4.32	0.79	18.35	42.33	1.68	6.32	0.46	15.65	188.00	1.00	8.32	1.57	64.96	216.33	1.07
0.34	2.01	23.53	28.00	1.59	2.34	10.75	156.08	116.67	1.95	4.34	0.85	18.91	54.33	1.66	6.34	0.45	14.65	184.33	0.99	8.34	1.20	64.29	222.00	1.05
0.36	2.28	27.65	25.00	1.64	2.36	11.96	170.74	111.00	1.96	4.36	0.91	20.46	63.67	1.70	6.36	0.40	9.65	181.67	1.00	8.36	0.96	57.95	192.33	1.08
0.38	2.34	33.65	28.00	2.39	2.38	14.02	190.52	68.67	1.96	4.38	0.89	21.02	58.33	1.66	6.38	0.41	7.54	188.00	1.00	8.38	0.96	43.84	190.00	1.07
0.40	1.98	43.54	29.67	1.57	2.40	16.17	204.52	35.00	1.99	4.40	0.89	21.91	56.67	1.65	6.40	0.43	7.32	191.00	1.00	8.40	1.10	37.06	186.00	1.08
0.42	2.16	40.43	28.00	1.34	2.42	17.04	171.41	24.00	1.96	4.42	0.87	23.24	64.33	1.65	6.42	0.49	7.76	197.33	1.00	8.42	1.25	33.95	195.33	1.07
0.44	2.39	40.21	28.67	1.77	2.44	15.32	146.52	42.67	1.97	4.44	0.81	24.79	69.00	1.64	6.44	0.50	12.54	196.33	0.99	8.44	1.19	35.95	193.33	1.08
0.46	2.67	37.43	29.33	1.69	2.46	12.57	151.74	70.67	1.99	4.46	0.69	25.68	76.00	1.62	6.46	0.49	12.20	193.67	0.97	8.46	1.00	33.06	185.00	1.07
0.48	3.00	37.91	31.00	1.76	2.48	9.35	140.96	86.00	1.98	4.48	0.63	26.13	97.33	1.64	6.48	0.44	7.65	196.67	0.97	8.48	0.73	32.06	228.33	1.10
0.50	3.00	29.92	28.33	1.77	2.50	9.97	125.30	103.67	2.01	4.50	0.64	28.46	105.67	1.64	6.50	0.40	8.76	192.33	0.99	8.50	0.54	26.73	224.33	1.11
0.52	2.95	28.14	31.00	1.74	2.52	9.74	100.96	95.33	2.01	4.52	0.67	30.57	98.00	1.63	6.52	0.40	7.54	198.33	0.98	8.52	0.62	24.84	222.33	1.11
0.54	2.87	36.26	31.67	1.75	2.54	8.72	139.40	71.33	2.03	4.54	0.65	28.46	96.67	1.62	6.54	0.54	6.42	196.00	0.97	8.54	0.80	26.17	217.33	1.10
0.56	2.76	36.82	33.00	1.76	2.56	7.56	162.63	54.33	2.03	4.56	0.62	25.35	111.00	1.61	6.56	0.73	8.98	159.00	0.97	8.56	1.00	26.84	212.00	1.09
0.58	2.66	36.71	32.33	1.75	2.58	6.45	190.62	54.67	2.03	4.58	0.64	23.46	117.33	1.62	6.58	0.83	14.31	115.00	0.95	8.58	0.91	26.61	249.33	1.12
0.60	2.48	36.50	32.33	1.77	2.60	5.40	216.07	73.33	2.04	4.60	0.69	26.13	144.67	1.58	6.60	0.80	19.87	131.00	0.94	8.60	0.83	26.50	250.67	1.11
0.62	2.36	36.50	34.00	1.73	2.62	4.46	237.84	75.67	2.06	4.62	0.72	21.90	142.00	1.57	6.62	0.66	19.98	165.33	0.95	8.62	0.66	22.61	241.67	1.15
0.64	2.29	36.28	33.33	1.75	2.64	3.73	236.73	54.33	2.05	4.64	0.67	21.90	140.67	1.57	6.64	0.49	13.65	163.67	0.94	8.64	0.56	17.72	229.00	1.12
0.66	2.27	35.40	34.33	1.75	2.66	3.22	213.39	37.67	2.05	4.66	0.61	19.57	147.67	1.57	6.66	0.40	10.87	164.33	0.95	8.66	0.56	13.94	311.33	1.14
0.68	2.25	33.52	33.33	1.77	2.68	2.96	188.50	23.00	2.06	4.68	0.59	16.57	155.33	1.56	6.68	0.48	9.31	156.67	0.94	8.68	0.61	13.39	309.33	1.15
0.70	2.26	28.97	32.67	1.77	2.70	6.10	141.11	18.33	2.05	4.70	0.68	13.79	71.67	1.56	6.70	0.63	11.20	174.67	0.95	8.70	0.64	14.38	295.67	1.15
0.72	2.26	29.42	33.00	1.75	2.72	7.36	126.44	26.67	2.10	4.72	0.80	12.68	21.67	1.55	6.72	0.79	16.09	235.67	0.93	8.72	0.64	13.94	283.67	1.15
0.74	2.20	30.43	34.00	1.77	2.74	7.05	114.88	33.67	2.09	4.74	0.97	13.68	23.67	1.56	6.74	0.89	21.20	302.00	0.92	8.74	0.61	12.38	260.67	1.17
0.76	2.06	29.43	33.33	1.82	2.76	7.70	126.21	34.67	2.13	4.76	1.02	18.79	3.33	1.54	6.76	0.98	22.31	312.00	0.92	8.76	0.61	10.61	237.33	1.17
0.78	1.84	28.22	23.33	1.81	2.78	9.66	151.88	61.33	2.12	4.78	0.87	18.01	8.67	1.55	6.78	1.26	19.20	317.67	0.92	8.78	0.72	9.94	217.33	1.18
0.80	1.72	27.23	11.00	1.84	2.80	9.16	159.10	85.67	2.14	4.80	0.70	16.12	18.00	1.54	6.80	1.55	21.87	286.67	0.92	8.80	0.85	9.72	199.67	1.19
0.82	1.69	26.90	16.33	1.81	2.82	7.40	152.99	73.33	2.15	4.82	0.58	17.78	22.33	1.53	6.82	1.55	24.09	326.33	0.93	8.82	0.93	11.16	167.00	1.18
0.84	1.85	25.35	16.33	1.80	2.84	5.94	139.87	69.33	2.16	4.84	0.51	21.23	49.33	1.51	6.84	1.25	34.87	176.00	0.90	8.84	0.91	13.05	156.67	1.20
0.86	2.11	24.47	14.67	1.86	2.86	4.93	122.21	65.33	2.16	4.86	0.47	21.90	46.67	1.51	6.86	1.01	35.97	313.33	0.93	8.86	0.89	16.71	148.00	1.21
0.88	2.46	22.59	12.33	1.83	2.88	4.12	102.43	76.00	2.18	4.88														



**COMMITTENTE: A.I.P.O Parma - Strada G. Garibaldi 75 - Parma**

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 1 LF

PROF. FALDA (m da p.c.): 2.60

PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 27/04/15

PREFORO (m da p.c.):

LAT. (WGS 84): 44.716314°

LONG. (WGS 84): 11.034009°

COMMESSA: 13931/14

C. SITO N°: S150454 del 30.06.15

OPERATORE: L. Zanirato

prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
10.02	1.46	60.38	428.67	1.75	12.02	1.21	43.98	182.33	2.55	14.02	2.28	101.12	357.67	3.25	16.02	0.69	16.54	262.55	4.03	18.02	0.67	15.76	260.27	4.03	20.02	0.67	15.76	260.27	4.03
10.04	1.46	63.60	313.00	1.76	12.04	1.21	44.64	234.67	2.57	14.04	2.28	104.57	330.00	3.25	16.04	0.67	15.76	260.27	4.03	20.04	0.67	15.76	260.27	4.03	22.04	0.67	15.76	260.27	4.03
10.06	1.43	65.49	215.67	1.78	12.06	1.21	46.75	264.33	2.56	14.06	2.30	109.12	335.33	3.27	16.06	0.66	16.76	255.71	4.04	20.06	0.66	16.76	255.71	4.04	22.06	0.66	16.76	255.71	4.04
10.08	1.37	70.38	285.00	1.78	12.08	1.25	53.08	288.67	2.56	14.08	2.34	115.57	329.67	3.26	16.08	0.66	16.20	257.99	4.05	20.08	0.66	16.20	257.99	4.05	22.08	0.66	16.20	257.99	4.05
10.10	1.36	73.82	294.33	1.79	12.10	1.20	62.97	317.00	2.59	14.10	2.42	121.68	302.33	3.28	16.10	0.64	15.64	257.99	4.07	20.10	0.64	15.64	257.99	4.07	22.10	0.64	15.64	257.99	4.07
10.12	1.31	74.71	313.00	1.79	12.12	1.18	68.42	341.00	2.60	14.12	2.34	121.90	262.33	3.28	16.12	0.64	14.42	262.55	4.07	20.12	0.64	14.42	262.55	4.07	22.12	0.64	14.42	262.55	4.07
10.14	1.31	73.27	251.67	1.80	12.14	1.18	70.08	355.33	2.58	14.14	2.30	116.12	227.00	3.31	16.14	0.63	15.20	260.27	4.10	20.14	0.63	15.20	260.27	4.10	22.14	0.63	15.20	260.27	4.10
10.16	1.31	69.05	188.67	1.82	12.16	1.13	70.42	382.33	2.60	14.16	2.19	104.67	143.00	3.30	16.16	0.63	15.20	262.55	4.11	20.16	0.63	15.20	262.55	4.11	22.16	0.63	15.20	262.55	4.11
10.18	1.34	65.27	240.00	1.80	12.18	1.12	70.97	368.00	2.60	14.18	2.10	96.79	193.33	3.30	16.18	0.66	14.98	264.84	4.13	20.18	0.66	14.98	264.84	4.13	22.18	0.66	14.98	264.84	4.13
10.20	1.31	64.15	241.33	1.80	12.20	1.10	70.97	209.67	2.61	14.20	2.11	92.34	242.00	3.31	16.20	0.68	14.53	269.40	4.13	20.20	0.68	14.53	269.40	4.13	22.20	0.68	14.53	269.40	4.13
10.22	1.34	63.04	244.67	1.84	12.22	1.10	70.30	263.00	2.60	14.22	2.11	89.89	192.67	3.34	16.22	0.71	13.75	269.40	4.14	20.22	0.71	13.75	269.40	4.14	22.22	0.71	13.75	269.40	4.14
10.24	1.41	62.38	253.33	1.83	12.24	1.12	70.75	237.00	2.61	14.24	2.03	89.34	150.00	3.32	16.24	0.72	15.09	271.67	4.15	20.24	0.72	15.09	271.67	4.15	22.24	0.72	15.09	271.67	4.15
10.26	1.43	64.15	236.67	1.84	12.26	1.16	71.97	179.67	2.64	14.26	1.99	94.12	120.00	3.32	16.26	0.72	16.53	271.67	4.17	20.26	0.72	16.53	271.67	4.17	22.26	0.72	16.53	271.67	4.17
10.28	1.46	67.82	271.33	1.84	12.28	1.19	72.86	176.33	2.64	14.28	1.91	105.45	101.67	3.32	16.28	0.75	18.20	278.51	4.17	20.28	0.75	18.20	278.51	4.17	22.28	0.75	18.20	278.51	4.17
10.30	1.46	70.93	315.67	1.88	12.30	1.20	74.52	181.00	2.65	14.30	1.81	119.45	124.00	3.34	16.30	0.80	17.75	280.78	4.20	20.30	0.80	17.75	280.78	4.20	22.30	0.80	17.75	280.78	4.20
10.32	1.49	73.48	257.33	1.85	12.32	1.21	74.08	165.67	2.68	14.32	1.76	129.56	129.67	3.36	16.32	0.83	17.64	280.78	4.21	20.32	0.83	17.64	280.78	4.21	22.32	0.83	17.64	280.78	4.21
10.34	1.55	74.48	208.67	1.84	12.34	1.24	72.63	188.67	2.65	14.34	1.74	134.22	122.33	3.35	16.34	0.85	19.75	283.06	4.22	20.34	0.85	19.75	283.06	4.22	22.34	0.85	19.75	283.06	4.22
10.36	1.61	78.03	251.00	1.87	12.36	1.27	72.74	343.33	2.65	14.36	1.72	139.44	111.00	3.36	16.36	0.91	19.53	289.91	4.23	20.36	0.91	19.53	289.91	4.23	22.36	0.91	19.53	289.91	4.23
10.38	1.71	78.81	320.67	1.88	12.38	1.37	70.41	442.67	2.67	14.38	1.72	136.11	117.33	3.36	16.38	1.01	17.75	299.02	4.24	20.38	1.01	17.75	299.02	4.24	22.38	1.01	17.75	299.02	4.24
10.40	1.73	79.37	264.00	1.88	12.40	1.38	66.63	291.33	2.69	14.40	1.58	130.44	120.33	3.40	16.40	1.07	17.64	299.02	4.25	20.40	1.07	17.64	299.02	4.25	22.40	1.07	17.64	299.02	4.25
10.42	1.72	80.81	246.00	1.89	12.42	1.37	62.74	251.67	2.69	14.42	1.56	122.33	128.33	3.40	16.42	1.06	17.98	299.02	4.25	20.42	1.06	17.98	299.02	4.25	22.42	1.06	17.98	299.02	4.25
10.44	1.71	82.14	314.67	1.91	12.44	1.37	60.96	243.33	2.71	14.44	1.56	111.77	136.67	3.40	16.44	1.07	16.87	301.30	4.26	20.44	1.07	16.87	301.30	4.26	22.44	1.07	16.87	301.30	4.26
10.46	1.65	87.03	295.67	1.89	12.46	1.33	62.07	209.00	2.70	14.46	1.56	102.55	145.33	3.41	16.46	1.03	18.20	294.47	4.26	20.46	1.03	18.20	294.47	4.26	22.46	1.03	18.20	294.47	4.26
10.48	1.62	89.70	336.33	1.91	12.48	1.27	64.62	277.00	2.70	14.48	1.58	93.77	151.00	3.41	16.48	0.91	22.64	287.63	4.29	20.48	0.91	22.64	287.63	4.29	22.48	0.91	22.64	287.63	4.29
10.50	1.60	94.14	397.33	1.93	12.50	1.23	68.51	281.00	2.72	14.50	1.58	91.32	130.67	3.42	16.50	0.85	25.98	283.06	4.29	20.50	0.85	25.98	283.06	4.29	22.50	0.85	25.98	283.06	4.29
10.52	1.54	98.25	351.00	1.93	12.52	1.21	72.18	293.00	2.72	14.52	1.60	89.32	153.33	3.42	16.52	0.81	29.20	278.51	4.30	20.52	0.81	29.20	278.51	4.30	22.52	0.81	29.20	278.51	4.30
10.54	1.48	100.14	222.00	1.93	12.54	1.21	74.95	417.00	2.72	14.54	1.62	86.76	158.33	3.42	16.54	0.78	33.42	280.78	4.31	20.54	0.78	33.42	280.78	4.31	22.54	0.78	33.42	280.78	4.31
10.56	1.40	106.24	194.00	1.96	12.56	1.24	77.73	367.33	2.71	14.56	1.65	85.98	160.67	3.43	16.56	0.75	37.98	280.78	4.31	20.56	0.75	37.98	280.78	4.31	22.56	0.75	37.98	280.78	4.31
10.58	1.27	109.47	326.00	1.94	12.58	1.30	80.17	333.33	2.74	14.58	1.65	86.09	173.67	3.45	16.58	0.80	41.42	287.63	4.32	20.58	0.80	41.42	287.63	4.32	22.58	0.80	41.42	287.63	4.32
10.60	1.15	107.80	417.00	1.97	12.60	1.31	81.84	459.67	2.75	14.60	1.67	88.53	161.00	3.42	16.60	0.87	39.20	294.47	4.34	20.60	0.87	39.20	294.47	4.34	22.60	0.87	39.20	294.47	4.34
10.62	1.07	107.57	481.33	1.94	12.62	1.33	82.05	344.67	2.75	14.62	1.59	92.87	168.33	3.45	16.62	0.99	31.42	305.85	4.35	20.62	0.99	31.42	305.85	4.35	22.62	0.99	31.42	305.85	4.35
10.64	1.04	106.46	397.33	1.97	12.64	1.35	81.83	265.67	2.76	14.64	1.69	91.31	176.00	3.46	16.64	1.08	24.31	314.98	4.38	20.64	1.08	24.31	314.98	4.38	22.64	1.08	24.31	314.98	4.38
10.66	0.99	102.79	193.67	1.98	12.66	1.37	82.94	298.00	2.76	14.66	1.62	86.75	178.67	3.46	16.66	1.24	19.42	330.92	4.37	20.66	1.24	19.42	330.92	4.37	22.66	1.24	19.42	330.92	4.37
10.68	0.96	98.35	197.67	1.99	12.68	1.37	82.38	278.33	2.76	14.68	1.52	81.64	173.33	3.46	16.68	1.31	16.86	326.37	4.40	20.68	1.31	16.86	326.37	4.40	22.68	1.31	16.86	326.37	4.40
10.70	0.98	93.79	344.33	1.99	12.70	1.40	82.94	200.33	2.77	14.70	1.51	77.42	160.67	3.46	16.70	1.33	17.53	333.22	4.40	20.70	1.33	17.53	333.22	4.40	22.70	1.33	17.53	333.22	4.40
10.72	1.07	86.23	391.00	1.99	12.72	1.42	85.60	237.33	2.77	14.72	1.62	72.08	168.00	3.46	16.72	1.39	19.53	333.22	4.43	20.72	1.39	19.53	333.22	4.43	22.72	1.39	19.53	333.22	4.43
10.74	1.08	77.01	382.67	2.01	12.74	1.42	91.05	184.33	2.80	14.74	1.48	73.30	168.00	3.48	16.74	1.48	22.64	340.05	4.44	20.74	1.48	22.64	340.05	4.44	22.74	1.48	22.64	340.05	



**COMMITTENTE:** A.I.P.O Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 1 LF

PROF. FALDA (m da p.c.): 2.60

PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 27/04/15

PREFORO (m da p.c.):

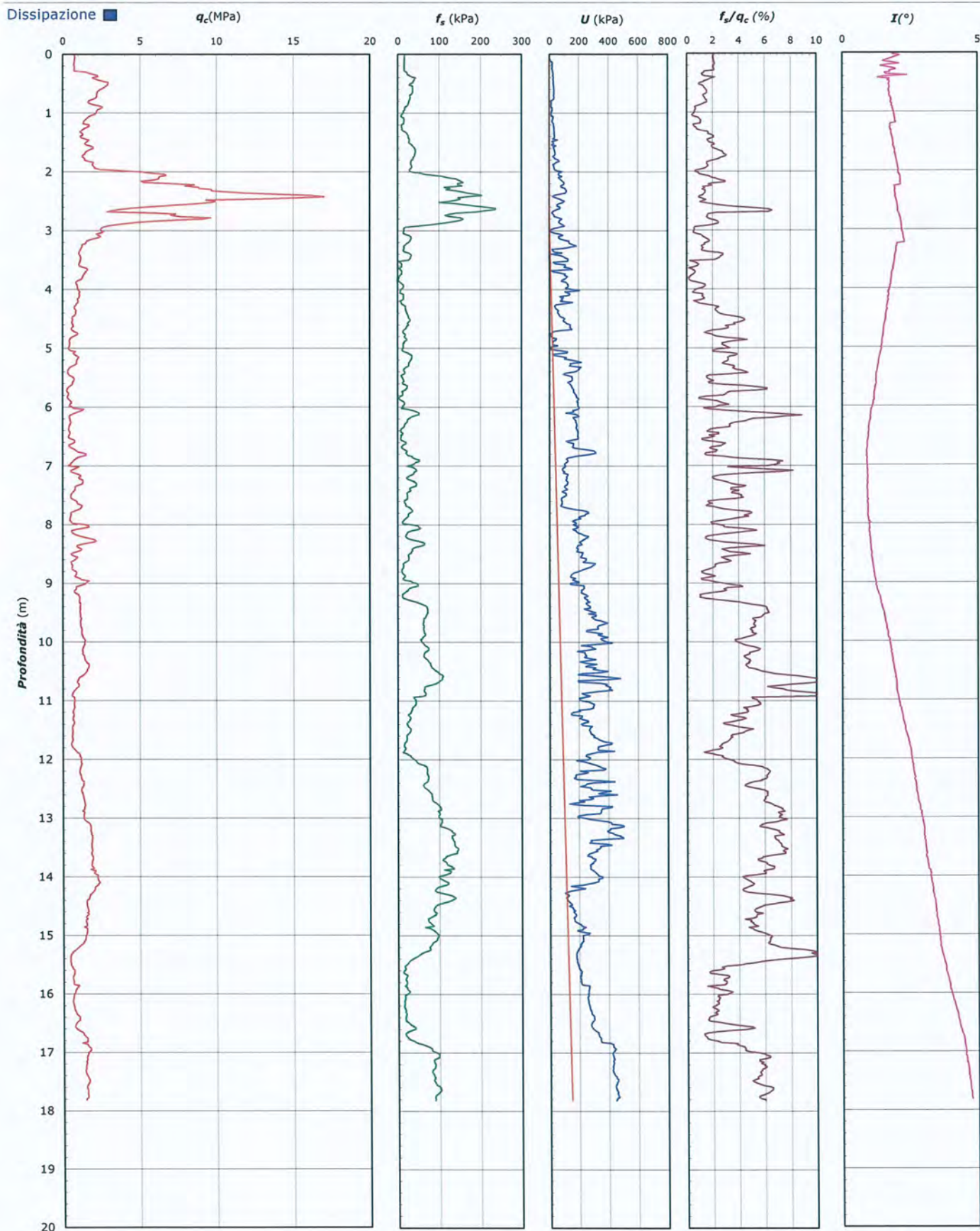
LAT. (WGS 84): 44.716314°

LONG. (WGS 84): 11.034009°

COMMESSA: 13931/14

C. SITO N°: S150454 del 30.06.15

OPERATORE: L. Zanirato





**COMMITTENTE: A.I.PO Parma - Strada G. Garibaldi 75 - Parma****CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 1 LF PROF. FALDA (m da p.c.): 2.60 PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 27/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.716314° LONG. (WGS 84): 11.034009°

COMMESSA: 13931/14 C. SITO N°: S150454 del 30.06.15 OPERATORE: L. Zanirato

**UBICAZIONE**

Località: Arginature Fiume Panaro, Provincia di Modena.



NOTE: Utilizzato 1 anello allargatore da inizio prova



**COMMITTENTE: A.I.P.O Parma - Strada G. Garibaldi 75 - Parma**
**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 4 LF PROF. FALDA (m da p.c.): 3.60 PUNTA: Tecnopenta G1-CPL2IN (matr. 121114) [a = 0.66]

DATA: 27/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.716085° LONG. (WGS 84): 11.034289°

COMMESSA: 13931/14 C. SITO N°: S150455 del 30.06.15 OPERATORE: L. Zanlirato

prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.	prof.	qc	fs	U	incl.
m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi	m	Mpa	kPa	kPa	gradi
0.02	0.83	10.07	39.95	1.78	2.02	1.71	17.74	49.20	1.38	4.02	1.19	14.83	126.88	1.39	6.02	1.30	20.61	117.79	1.31	8.02	2.02	33.72	128.54	1.32	8.04	2.23	35.38	138.72	1.30
0.04	0.87	11.46	31.79	0.66	2.04	1.94	20.94	49.55	1.38	4.04	1.17	15.29	78.37	1.39	6.04	1.56	28.92	116.10	1.32	8.04	2.23	35.38	138.72	1.30	8.06	2.29	37.03	130.94	1.31
0.06	0.89	13.47	32.12	0.77	2.06	1.99	26.88	49.94	1.37	4.06	1.13	15.39	90.36	1.40	6.06	1.49	35.04	109.54	1.31	8.06	2.29	37.03	130.94	1.31	8.08	2.14	34.69	119.82	1.30
0.08	0.88	15.90	28.70	1.26	2.08	1.88	32.18	62.09	1.38	4.08	1.09	15.14	98.52	1.40	6.08	1.43	40.60	181.46	1.32	8.08	2.14	34.69	119.82	1.30	8.10	1.98	29.58	130.29	1.31
0.10	0.88	18.95	28.05	0.85	2.10	1.87	33.77	50.79	1.38	4.10	1.08	15.11	100.18	1.40	6.10	1.34	42.98	83.69	1.31	8.10	1.98	29.58	130.29	1.31	8.12	1.93	26.98	132.66	1.31
0.12	0.88	21.42	30.03	1.17	2.12	1.86	39.46	54.61	1.37	4.12	1.10	13.55	75.43	1.41	6.12	1.19	43.37	111.43	1.31	8.12	1.93	26.98	132.66	1.31	8.14	1.92	23.15	140.74	1.32
0.14	0.90	23.75	37.21	1.10	2.14	1.79	41.10	59.81	1.36	4.14	1.14	14.03	100.36	1.41	6.14	1.02	41.35	159.44	1.32	8.14	1.92	23.15	140.74	1.32	8.16	1.91	23.73	155.10	1.31
0.16	0.94	26.07	35.03	1.28	2.16	1.61	42.75	63.21	1.37	4.16	1.14	14.65	92.54	1.41	6.16	1.04	34.59	115.18	1.31	8.16	1.90	23.67	160.83	1.30	8.18	1.90	23.67	160.83	1.30
0.18	1.02	27.15	32.05	1.38	2.18	1.65	44.33	68.04	1.35	4.18	1.20	14.13	82.14	1.40	6.18	1.04	34.59	115.18	1.31	8.18	1.90	23.67	160.83	1.30	8.20	1.95	24.03	179.24	1.31
0.20	1.13	29.11	35.11	1.28	2.20	2.14	41.16	69.81	1.36	4.20	1.22	12.97	78.17	1.39	6.20	1.10	31.95	128.10	1.31	8.20	1.95	24.03	179.24	1.31	8.22	2.03	25.41	178.36	1.32
0.22	1.21	31.62	36.43	1.31	2.22	2.47	41.04	67.31	1.36	4.22	1.24	14.78	121.12	1.41	6.22	1.15	31.35	126.31	1.31	8.22	2.03	25.41	178.36	1.32	8.24	2.15	27.07	171.11	1.32
0.24	1.35	28.70	27.57	1.41	2.24	2.30	43.43	58.41	1.35	4.24	1.20	15.82	112.52	1.41	6.24	1.20	32.06	135.31	1.31	8.24	2.15	27.07	171.11	1.32	8.26	2.27	30.44	165.03	1.31
0.26	1.35	27.60	32.44	1.40	2.26	2.51	32.24	58.18	1.34	4.26	1.18	17.39	76.94	1.42	6.26	1.20	30.25	138.54	1.29	8.26	2.27	30.44	165.03	1.31	8.28	2.31	35.90	154.85	1.32
0.28	1.59	27.24	52.19	1.40	2.28	2.50	35.69	71.12	1.34	4.28	1.15	17.95	68.61	1.41	6.28	1.20	26.92	140.96	1.29	8.28	2.31	35.90	154.85	1.32	8.30	2.22	40.86	148.01	1.31
0.30	2.26	31.14	73.36	1.37	2.30	2.69	32.61	73.03	1.36	4.30	1.09	17.95	72.79	1.41	6.30	1.15	25.74	153.48	1.28	8.30	2.22	40.86	148.01	1.31	8.32	2.01	44.09	148.56	1.32
0.32	2.54	34.07	46.98	1.35	2.32	2.67	38.30	76.87	1.34	4.32	1.09	17.29	78.86	1.40	6.32	1.12	24.47	163.76	1.28	8.32	2.01	44.09	148.56	1.32	8.34	1.85	46.43	151.24	1.31
0.34	2.71	35.35	45.58	1.32	2.34	2.92	42.93	75.90	1.34	4.34	1.13	17.03	89.49	1.40	6.34	1.14	22.45	151.47	1.28	8.34	1.85	46.43	151.24	1.31	8.36	1.70	45.91	136.85	1.32
0.36	2.94	41.61	43.40	1.30	2.36	3.22	47.00	72.65	1.34	4.36	1.16	17.36	83.60	1.41	6.36	1.11	20.24	141.29	1.28	8.36	1.70	45.91	136.85	1.32	8.38	1.68	41.18	132.66	1.32
0.38	2.93	48.32	41.72	1.29	2.38	3.75	52.17	51.96	1.33	4.38	1.11	17.30	72.16	1.41	6.38	1.15	20.91	143.98	1.27	8.38	1.68	41.18	132.66	1.32	8.40	1.69	38.86	129.66	1.33
0.40	2.69	57.83	39.68	1.30	2.40	4.31	55.94	45.78	1.35	4.40	1.03	17.87	65.76	1.41	6.40	1.44	22.03	151.77	1.27	8.40	1.69	38.86	129.66	1.33	8.42	1.73	37.72	133.33	1.33
0.42	2.78	61.68	39.53	1.30	2.42	4.55	47.67	44.75	1.33	4.42	0.97	18.07	75.01	1.41	6.42	1.34	22.40	164.34	1.28	8.42	1.73	37.72	133.33	1.33	8.44	1.65	38.82	133.32	1.32
0.44	2.87	65.23	38.28	1.27	2.44	4.15	41.35	48.78	1.35	4.44	0.89	18.15	70.54	1.40	6.44	1.17	24.49	147.64	1.28	8.44	1.65	38.82	133.32	1.32	8.46	1.54	37.44	129.17	1.33
0.46	2.89	64.58	37.79	1.26	2.46	3.47	42.39	57.30	1.35	4.46	0.81	18.20	80.19	1.40	6.46	0.99	25.00	141.73	1.28	8.46	1.54	37.44	129.17	1.33	8.48	1.43	36.71	150.32	1.33
0.48	2.84	62.57	35.79	1.27	2.48	2.66	39.57	63.66	1.34	4.48	0.77	18.09	107.80	1.40	6.48	0.82	27.46	165.50	1.28	8.48	1.43	36.71	150.32	1.33	8.50	1.45	35.94	148.68	1.33
0.50	2.62	57.74	31.06	1.28	2.50	2.80	35.39	67.91	1.35	4.50	0.80	18.72	116.45	1.40	6.50	0.83	26.79	215.09	1.28	8.50	1.45	35.94	148.68	1.33	8.52	1.62	36.65	145.87	1.33
0.52	2.47	58.48	31.52	1.28	2.52	2.72	28.76	62.72	1.34	4.52	0.85	18.93	113.80	1.39	6.52	0.90	22.93	184.37	1.28	8.52	1.62	36.65	145.87	1.33	8.54	1.80	36.77	144.96	1.32
0.54	2.40	64.35	32.02	1.28	2.54	2.44	38.48	50.79	1.36	4.54	0.87	17.90	94.17	1.38	6.54	0.96	19.88	124.30	1.29	8.54	1.80	36.77	144.96	1.32	8.56	1.90	35.65	143.24	1.33
0.56	2.39	64.12	35.60	1.27	2.56	2.14	44.85	43.29	1.34	4.56	0.86	17.19	93.35	1.39	6.56	1.04	21.89	133.65	1.28	8.56	1.90	35.65	143.24	1.33	8.58	1.81	33.55	162.68	1.33
0.58	2.33	62.67	48.37	1.28	2.58	1.85	52.23	42.03	1.33	4.58	0.86	17.23	93.36	1.39	6.58	1.26	23.88	162.65	1.28	8.58	1.81	33.55	162.68	1.33	8.60	1.74	30.74	164.85	1.34
0.60	2.24	60.42	46.45	1.28	2.60	1.58	58.94	51.36	1.35	4.60	0.84	18.48	107.19	1.39	6.60	1.50	24.34	131.38	1.28	8.60	1.74	30.74	164.85	1.34	8.62	1.60	27.89	164.28	1.33
0.62	2.15	58.26	45.78	1.28	2.62	1.35	64.77	52.09	1.34	4.62	0.80	17.10	106.37	1.41	6.62	1.52	24.75	135.05	1.29	8.62	1.60	27.89	164.28	1.33	8.64	1.60	24.04	159.61	1.33
0.64	2.08	55.72	43.20	1.28	2.64	1.17	64.80	40.99	1.36	4.64	0.72	17.02	118.72	1.41	6.64	1.46	23.06	118.48	1.29	8.64	1.60	24.04	159.61	1.33	8.66	1.59	21.89	203.61	1.33
0.66	2.05	51.99	44.37	1.30	2.66	1.05	58.92	32.89	1.35	4.66	0.69	15.82	148.54	1.41	6.66	1.36	23.82	126.73	1.28	8.66	1.59	21.89	203.61	1.33	8.68	1.65	23.47	204.49	1.33
0.68	2.04	48.80	44.27	1.32	2.68	0.98	52.72	25.62	1.36	4.68	0.71	14.47	159.31	1.42	6.68	1.37	24.01	140.47	1.29	8.68	1.65	23.47	204.49	1.33	8.70	1.75	25.30	198.25	1.32
0.70	2.08	44.90	42.53	1.32	2.70	1.76	40.61	23.87	1.36	4.70	0.81	13.12	109.83	1.43	6.70	1.36	24.01	140.47	1.29										



**COMMITTENTE: A.I.P.O Parma - Strada G. Garibaldi 75 - Parma**

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 4 LF

PROF. FALDA (m da p.c.): 3.60

PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 27/04/15

PREFORO (m da p.c.):

LAT. (WGS 84): 44.716085°

LONG. (WGS 84): 11.034289°

COMMESSA: 13931/14

C. SITO N°: S150455 del 30.06.15

OPERATORE: L. Zanirato

prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi	prof. m	qc Mpa	fs kPa	U kPa	incl. gradi
10.02	1.56	62.94	291.38	1.41	12.02	1.24	51.65	260.30	1.63	14.02	1.90	95.91	368.62	1.90	16.02	0.89	29.88	315.86	2.01	18.02	1.33	53.87	247.24	2.18
10.04	1.54	63.55	236.50	1.42	12.04	1.23	52.56	284.50	1.62	14.04	1.89	95.99	355.25	1.90	16.04	0.88	29.89	319.15	2.02	18.04	1.36	52.53	301.20	2.16
10.06	1.41	64.09	189.24	1.41	12.06	1.22	54.03	294.63	1.63	14.06	1.91	97.85	348.17	1.91	16.06	0.87	30.42	322.12	2.03	18.06	1.38	53.36	302.07	2.17
10.08	1.46	62.93	221.08	1.42	12.08	1.24	56.69	305.54	1.64	14.08	1.93	100.82	334.97	1.91	16.08	0.87	29.34	329.79	2.02	18.08	1.42	53.96	307.87	2.17
10.10	1.51	66.10	228.45	1.42	12.10	1.23	61.97	314.11	1.64	14.10	2.00	104.26	323.64	1.91	16.10	0.89	28.64	333.02	2.02	18.10	1.47	54.07	315.87	2.17
10.12	1.61	66.81	244.43	1.41	12.12	1.23	64.01	329.21	1.63	14.12	1.97	104.61	306.32	1.91	16.12	0.89	27.39	331.62	2.02	18.12	1.50	55.46	313.10	2.17
10.14	1.63	64.79	223.41	1.42	12.14	1.24	64.19	341.94	1.63	14.14	1.95	101.84	282.82	1.91	16.14	0.88	27.63	330.93	2.04	18.14	1.50	58.09	288.74	2.15
10.16	1.67	62.41	189.46	1.42	12.16	1.21	63.53	357.02	1.63	14.16	1.90	95.66	230.04	1.91	16.16	0.89	27.32	332.65	2.03	18.16	1.46	61.54	266.90	2.16
10.18	1.68	58.98	242.13	1.41	12.18	1.20	60.76	343.09	1.63	14.18	1.85	91.40	253.98	1.91	16.18	0.91	26.97	334.75	2.03	18.18	1.46	63.70	248.42	2.16
10.20	1.67	58.30	241.18	1.42	12.20	1.19	61.68	268.24	1.64	14.20	1.85	87.18	277.59	1.91	16.20	0.92	26.85	334.18	2.03	18.20	1.41	66.68	240.09	2.16
10.22	1.68	57.81	239.26	1.41	12.22	1.18	61.93	294.74	1.63	14.22	1.85	86.02	260.71	1.91	16.22	0.93	27.07	332.08	2.05	18.22	1.39	68.18	237.18	2.16
10.24	1.71	56.71	247.94	1.42	12.24	1.20	62.86	267.80	1.63	14.24	1.82	86.05	240.31	1.92	16.24	0.93	28.10	328.83	2.03	18.24	1.36	68.43	239.18	2.16
10.26	1.72	55.95	237.40	1.41	12.26	1.21	64.58	217.55	1.64	14.26	1.80	88.90	221.47	1.91	16.26	0.94	29.18	331.24	2.04	18.26	1.34	69.51	240.35	2.17
10.28	1.71	57.40	255.75	1.41	12.28	1.21	65.63	218.03	1.63	14.28	1.77	94.58	211.47	1.92	16.28	0.97	30.05	338.18	2.02	18.28	1.33	68.16	235.40	2.17
10.30	1.69	58.83	278.08	1.42	12.30	1.19	67.36	231.57	1.63	14.30	1.71	102.13	239.86	1.92	16.30	1.00	30.17	340.71	2.03	18.30	1.28	67.54	230.80	2.16
10.32	1.93	59.10	248.01	1.41	12.32	1.19	67.43	237.29	1.65	14.32	1.69	107.99	246.21	1.91	16.32	1.02	30.62	342.71	2.02	18.32	1.26	66.67	231.70	2.16
10.34	1.88	59.57	222.69	1.42	12.34	1.20	66.00	247.68	1.64	14.34	1.70	110.23	236.32	1.92	16.34	1.04	31.96	342.94	2.04	18.34	1.22	64.84	236.01	2.16
10.36	1.79	63.61	239.64	1.42	12.36	1.21	65.19	320.22	1.64	14.36	1.71	113.02	208.57	1.92	16.36	1.08	31.73	347.36	2.03	18.36	1.19	63.77	240.38	2.16
10.38	1.79	66.78	270.20	1.42	12.38	1.25	63.09	371.06	1.64	14.38	1.73	111.23	205.45	1.91	16.38	1.13	31.32	350.75	2.03	18.38	1.19	61.26	245.55	2.16
10.40	1.88	68.80	262.77	1.42	12.40	1.26	60.47	299.22	1.64	14.40	1.69	108.20	205.49	1.92	16.40	1.18	32.14	347.28	2.03	18.40	1.18	59.08	232.12	2.16
10.42	2.00	67.97	245.08	1.43	12.42	1.28	57.52	286.77	1.64	14.42	1.69	104.06	218.19	1.91	16.42	1.17	33.46	346.31	2.03	18.42	1.17	56.43	211.11	2.17
10.44	2.03	69.58	278.33	1.42	12.44	1.30	56.47	286.49	1.64	14.44	1.68	99.17	225.61	1.92	16.44	1.18	33.32	363.33	2.03	18.44	1.15	52.70	208.91	2.16
10.46	1.81	71.45	264.69	1.41	12.46	1.30	56.95	272.36	1.65	14.46	1.68	94.21	226.04	1.91	16.46	1.17	34.55	343.06	2.03	18.46	1.16	51.72	211.55	2.17
10.48	1.65	72.52	281.53	1.41	12.48	1.28	59.30	293.84	1.65	14.48	1.70	90.39	228.37	1.91	16.48	1.11	38.17	335.73	2.03	18.48	1.15	50.86	215.00	2.17
10.50	1.58	75.32	313.89	1.42	12.50	1.28	61.27	296.96	1.65	14.50	1.71	89.98	216.61	1.92	16.50	1.08	40.29	319.56	2.04	18.50	1.11	51.13	229.55	2.17
10.52	1.50	77.73	288.77	1.42	12.52	1.27	64.14	311.49	1.64	14.52	1.71	91.96	209.68	1.92	16.52	1.06	41.73	317.03	2.03	18.52	1.10	50.19	278.90	2.16
10.54	1.42	77.60	220.20	1.42	12.54	1.25	66.46	379.74	1.66	14.54	1.69	93.31	198.29	1.92	16.54	1.04	43.79	316.67	2.03	18.54	1.10	49.63	289.86	2.16
10.56	1.34	79.53	215.79	1.43	12.56	1.29	68.32	367.41	1.66	14.56	1.69	94.83	219.82	1.92	16.56	1.04	46.18	316.20	2.03	18.56	1.10	49.74	295.29	2.17
10.58	1.26	80.93	281.55	1.42	12.58	1.30	68.85	349.79	1.67	14.58	1.68	97.42	228.60	1.93	16.58	1.05	48.09	315.74	2.04	18.58	1.09	48.97	298.86	2.16
10.60	1.18	81.21	324.85	1.42	12.60	1.32	68.60	412.34	1.66	14.60	1.68	100.19	221.86	1.92	16.60	1.09	46.92	315.03	2.04	18.60	1.09	48.04	306.93	2.16
10.62	1.11	82.46	354.42	1.43	12.62	1.33	67.55	350.10	1.67	14.62	1.60	97.35	220.18	1.92	16.62	1.17	43.70	319.06	2.03	18.62	1.08	47.49	306.32	2.17
10.64	1.08	82.14	313.12	1.43	12.64	1.33	65.83	311.05	1.67	14.64	1.69	99.97	224.25	1.93	16.64	1.21	40.40	323.49	2.05	18.64	1.08	46.27	301.32	2.16
10.66	1.04	79.67	313.36	1.42	12.66	1.33	65.77	323.04	1.67	14.66	1.65	95.90	224.52	1.93	16.66	1.30	39.33	330.90	2.04	18.66	1.10	45.34	333.82	2.16
10.68	1.01	78.23	214.54	1.42	12.68	1.31	66.15	315.49	1.66	14.68	1.60	91.72	224.80	1.92	16.68	1.33	38.81	326.03	2.05	18.68	1.10	45.09	324.52	2.16
10.70	1.03	76.82	286.82	1.42	12.70	1.32	67.42	282.09	1.66	14.70	1.62	90.45	225.04	1.93	16.70	1.34	38.25	326.83	2.06	18.70	1.12	45.10	324.35	2.16
10.72	1.07	72.94	312.10	1.43	12.72	1.34	69.04	309.97	1.67	14.72	1.69	88.07	237.04	1.93	16.72	1.38	38.58	325.14	2.05	18.72	1.15	44.39	316.29	2.16
10.74	1.10	66.63	316.15	1.43	12.74	1.38	70.67	282.87	1.68	14.74	1.62	86.52	239.05	1.91	16.74	1.43	41.27	326.74	2.05	18.74	1.16	44.13	311.70	2.16
10.76	1.12	60.02	337.66	1.43	12.76	1.41	71.69	257.89	1.68	14.76	1.63	85.89	242.57	1.93	16.76	1.47	42.13	328.96	2.06	18.76	1.11	43.72	311.45	2.16
10.78	1.10	57.90	349.87	1.43	12.78	1.45	73.60	304.22	1.68	14.78	1.61	86.14	247.32	1.93	16.78	1.48	44.03	326.57	2.06	18.78	1.07	42.98	309.04	2.16
10.80	1.07	57.69	364.53	1.43	12.80	1.44	75.26	406.14	1.69	14.80	1.64	88.54	254.22	1.93	16.80	1.47	47.62	327.03	2.07	18.80	1.07	43.07	311.82	2.16
10.82	1.04	55.80	355.57	1.44	12.82	1.44	76.42	404.43	1.69	14.82	1.64	89.18	260.81	1.93	16.82	1.48	50.21	327.27	2.07	18.82	1.07	42.82	313.72	2.18
10.84	1.02	55.86	310.71	1.44	12.84	1.41	79.17	372.32	1.70	14.84	1.64	89.75	261.93	1.93	16.84	1.30	54.26	359.02	2.0					



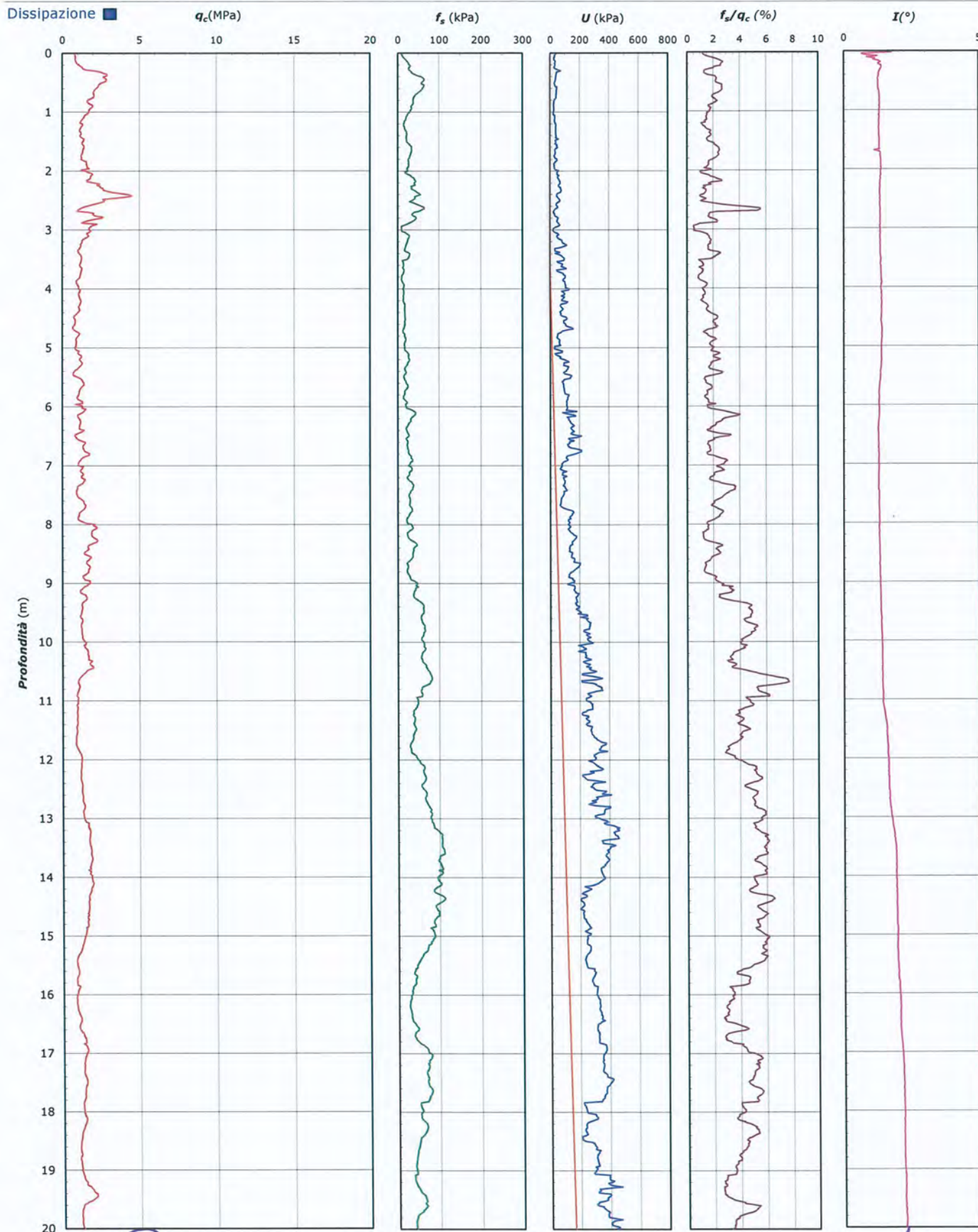
**COMMITTENTE:** A.I.P.O Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 4 LF PROF. FALDA (m da p.c.): 3.60 PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]

DATA: 27/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.716085° LONG. (WGS 84): 11.034289°

COMMESSA: 13931/14 C. SITO N°: S150455 del 30.06.15 OPERATORE: L. Zanirato



Lo Sperimentatore:  
dott. Luciano Rossi

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Il Direttore Settore Prove in Sito:  
dott. Massimo Romagnoli



**COMMITTENTE:** A.I.P.O Parma - Strada G. Garibaldi 75 - Parma

**CANTIERE:** Arginature Fiume Panaro, Provincia di Modena.

PROVA N°: 069 CPT 4 LF PROF. FALDA (m da p.c.): 3.60 PUNTA: Tecnopenta G1-CPL2IN (matr. 121114)[a = 0.66]  
DATA: 27/04/15 PREFORO (m da p.c.): LAT. (WGS 84): 44.716085° LONG. (WGS 84): 11.034289°  
COMMESSA: 13931/14 C. SITO N°: S150455 del 30.06.15 OPERATORE: L. Zanirato

#### UBICAZIONE

Località: Arginature Fiume Panaro, Provincia di Modena.



NOTE: Utilizzato 1 anello allargatore da inizio prova