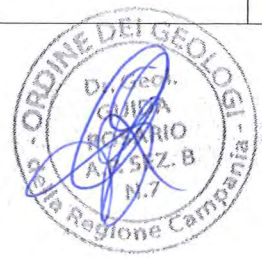


Committente: CONSORZIO HIRPINIA AV	Sondaggio: SROC_09
Riferimento: 1° Lotto funzionale Apice - Irpinia	Data: 09/12/2019-11/12/2019
Coordinate: 41°08'11.55357"N - 14°55'42.70825"E	Quota: 181.9298 m s.l.m.
Perforazione: Carotaggio continuo	

o mm	R v	A r s	Pz	metri tutt	LITOLOGIA	Campioni	RP	VT	Prel. % 0 --- 100	Standard Penetration Test m S.P.T.	N	prove in foro	RQD % 0 --- 100	prof. m	DESCRIZIONE	Cass
				1			2.0								Silt argilloso mediamente consistente, marrone scuro.	
				1.5			1.5			1,5	3-4-4	8		0,9	Sabbia giallastra omogenea con livelli siltosi argillosi grigi granulometria fine da mediamente a fortemente addensata. Tra 2,80m e 3,0m trovante di natura carbonatica fratturato.	1
				2		SPT1) SPT 1,50 1,95 CR1) Rim 2,00 2,40	1.0									
				3		SPT2) SPT 3,20 3,65	0.5			3,2	11-13-17	30				
				4			1.0									
				5		CI1) She 5,00 5,50 SPT3) SPT 5,50 5,84	>4,5			5,5	21-37-50/4cm	Rif		4,1	Alternanza livelli arenacei sabbiosi con marne siltose argillose. Si distinguono intercalazioni argillose con numerosi resti fossili di dimensioni eterometriche. Colore grigio.	
				6			>4,5									
				7		SPT4) SPT 7,00 7,37	4.0			7,0	41-44-50/7cm	Rif				
				8		CR2) Rim 8,00 8,40	>4,5									
				9		SPT5) SPT 9,00 9,45 AA1) Rim 9,50 9,90	4.0			9,0	44-40-45	85				
				10			>4,5									
				11		CI2) Ind 11,00 11,50 SPT6) SPT 11,40 11,85	4.0			11,4	40-41-44	85				
				12		CR3) Rim 12,00 12,40	>4,5									
				13		SPT7) SPT 13,00 13,35	4.0			13,0	46-48-50/5cm	Rif				
				14			>4,5					Lugeon				
				15		AA2) Rim 14,50 14,90 SPT8) SPT 15,50 15,86	4.0			15,5	44-47-50/6cm	Rif				
				16			>4,5					Dilatometrica				
				17		CR4) Rim 16,60 17,00	4.0									
				18		SPT9) SPT 17,50 17,95	>4,5			17,5	46-48-45	93				
				19			>4,5					Lugeon				
				20			2.5						19,0		Sabbie arenacee grigiastre con livelli molto addensati.	
				2.0			2.0					Dilatometrica				

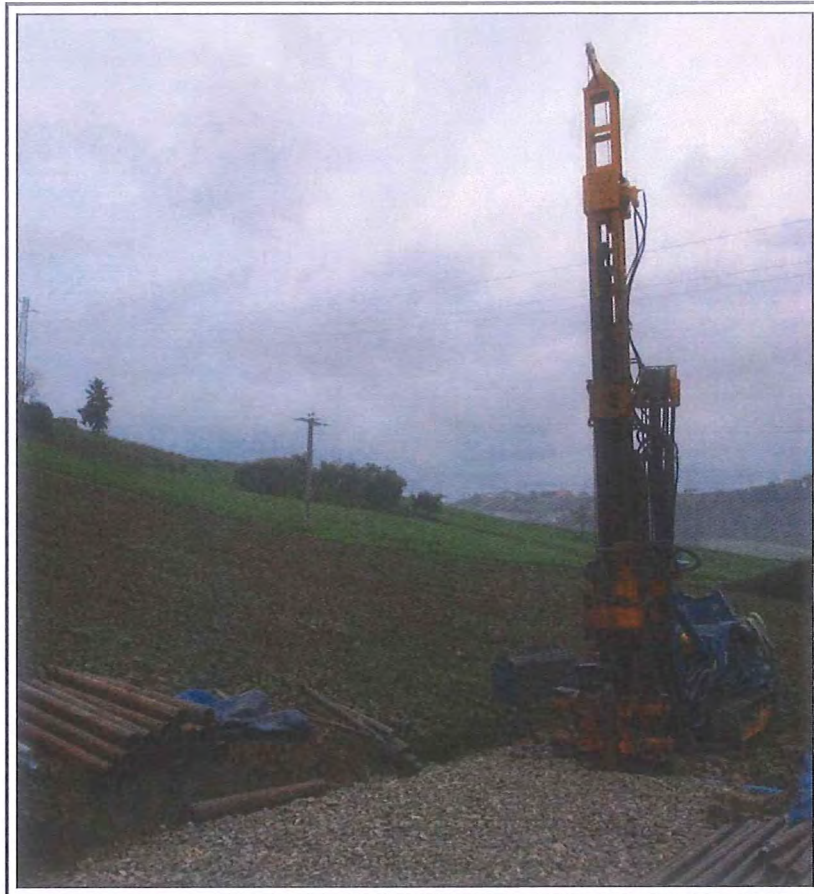


Committente: CONSORZIO HIRPINIA AV	Sondaggio: SROC_09
Riferimento: 1° Lotto funzionale Apice - Irpinia	Data: 09/12/2019-11/12/2019
Coordinate: 41°08'11.55357"N - 14°55'42.70825"E	Quota: 181.9298 m s.l.m.
Perforazione: Carotaggio continuo	

o mm	R v	A r	S s	Pz	metri batt.	LITOLOGIA	Campioni	RP	VT	Prel. % 0 --- 100	Standard Penetration Test m	S.P.T.	N	prove in foro	RQD % 0 --- 100	prof. m	DESCRIZIONE	Cass
					21		CR5) Rim 21,00 21,40										Sabbie arenacee grigiastre con livelli molto addensati.	
					22													
					22		SPT10) 22,50 22,69				22,5	42-50/4cm	Rif					
					23													
					24													
					25		SPT11) 25,00 25,21				25,0	44-50/6cm	Rif					
					26											25,4		
					26												Marne argillose siltose omogenee, scagliose, con livelli sabbiosi arenacei e strati esclusivamente marnosi. Grigie.	
					27		CR6) Rim 27,20 27,60											
					28		SPT12) 28,00 28,09				28,0	50/9cm	Rif					
					29													
					30													
101					30											30,0		

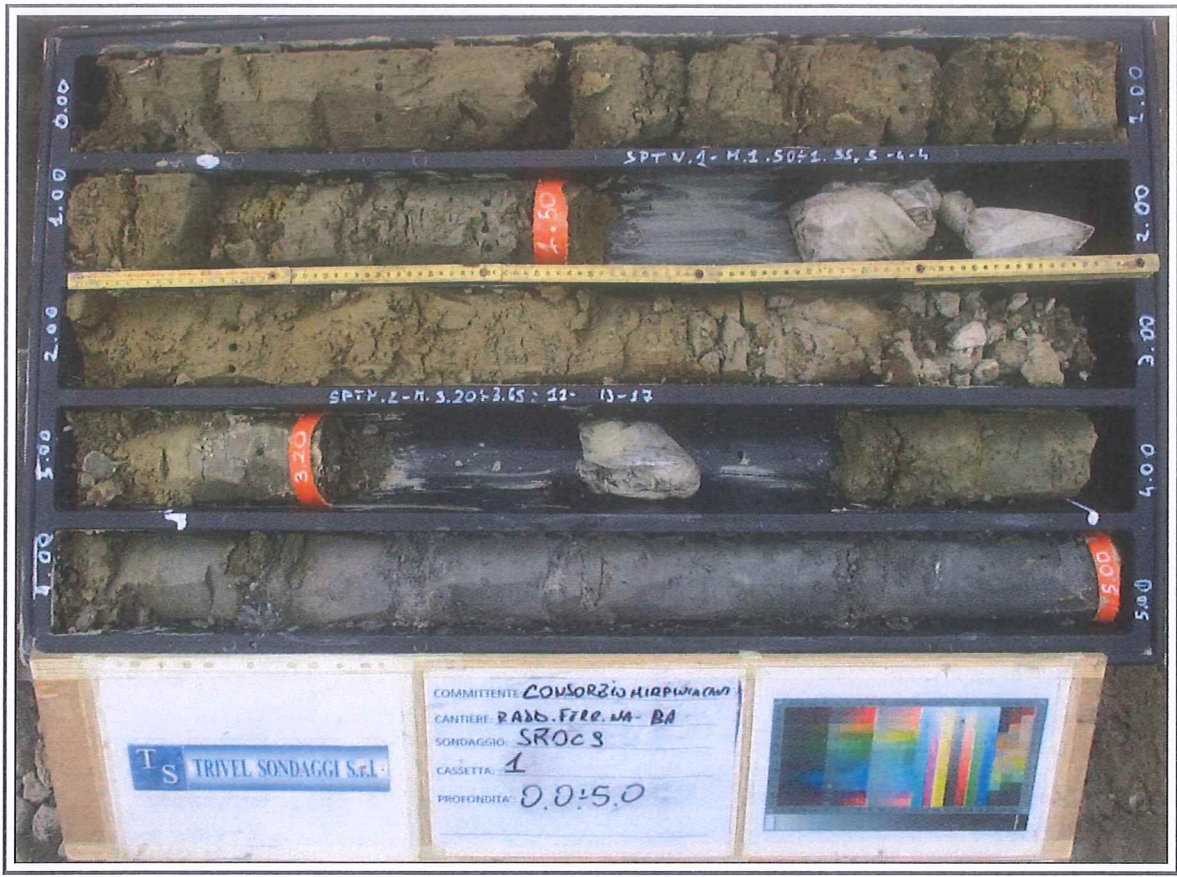
Utilizzata sonda perforatrice tipo CMV 600.
 Eseguito rilievo masse metalliche in superficie.
 Eseguito rilievo del gas in foro.
 Prelevati n. 3 campioni indisturbati.
 Prelevati n. 8 campioni rimaneggiati.
 Eseguite n. 12 prove S.P.T..
 Eseguite n. 2 prove Lugeon.
 Eseguite n. 2 prove Dilatometriche.
 Impossibile eseguire n. 1 prova Lefranc per incompatibilità dei terreni.
 Impossibile eseguire n. 1 prova Pressiometrica per incompatibilità dei terreni.
 Installato piezometro a tubo aperto da 4" fino a 25,0m da p.c. (0,00-5,0m: cieco; 5,0-25,0m: finestrato).
 Installato chiuso con lucchetto.
 *Ind: Campionatore triplo.
 Normativa: A.G.I. 1977 N.B. rinvenuta falda in pressione risalita a boccaforo





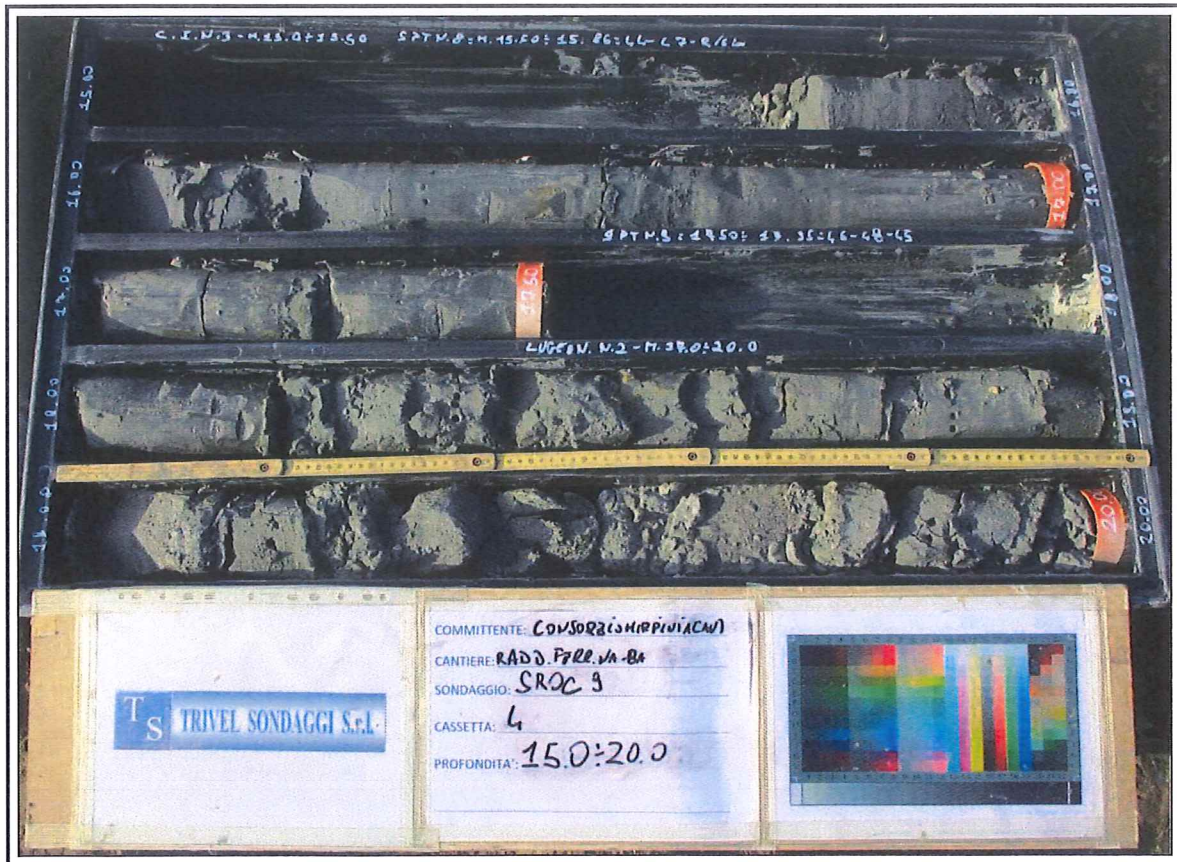
Sondaggio SROC9





Sondaggio SROC9





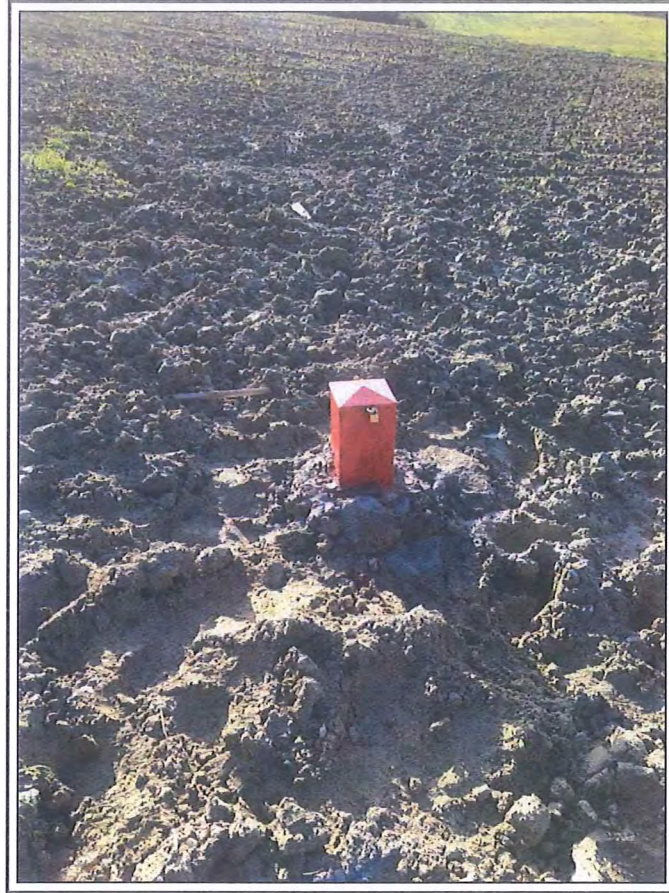
Sondaggio SROCS





Sondaggio SROCC9





Sondaggio SROC9



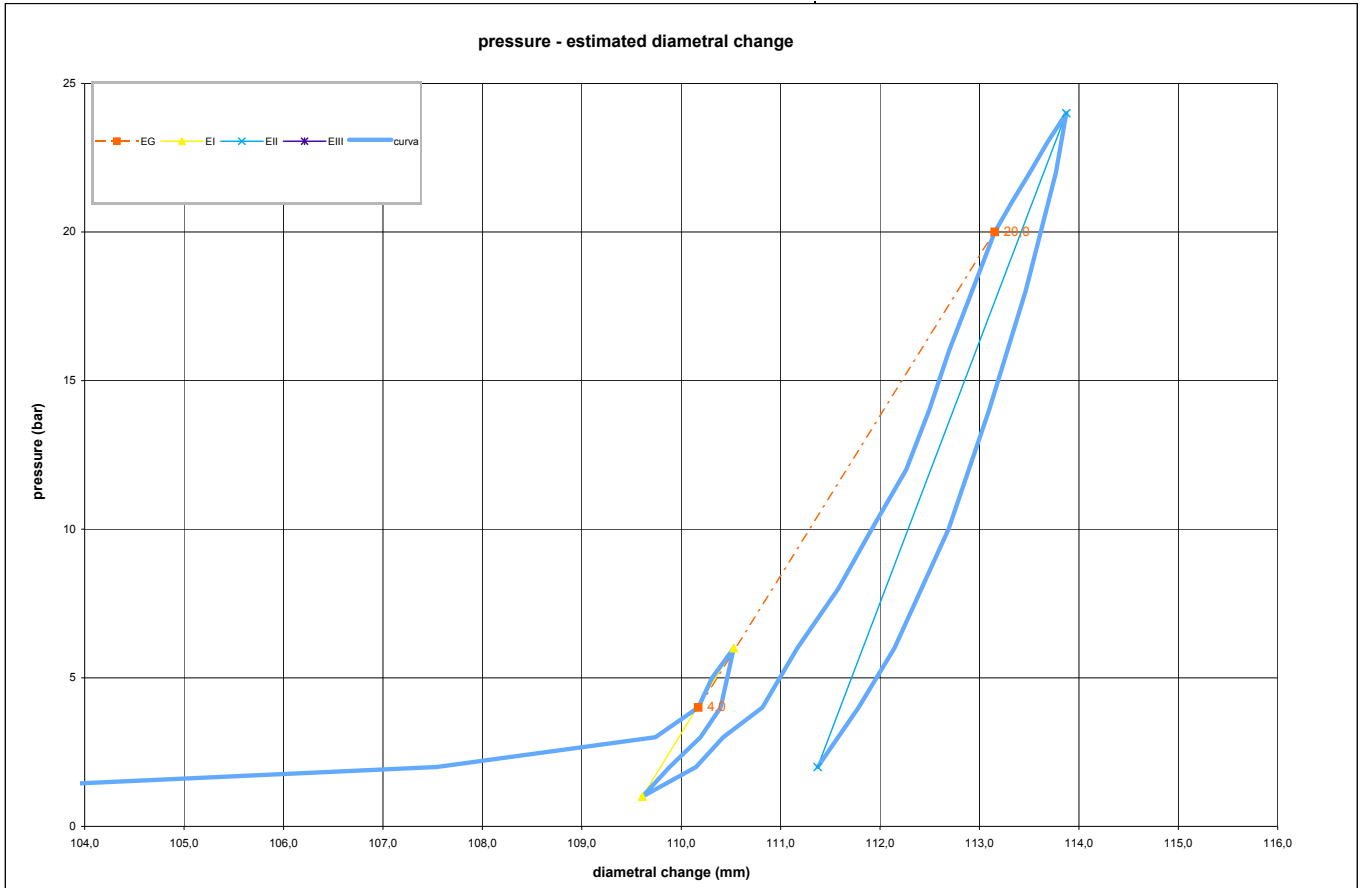
A.T.I. tra	borehole	S_ROC_9	probe depth m	14,5	mod DVT REV 2 MARZO 2018	code	1
SONDEDILE SRL - Teramo (mandataria)	Client:	CONSORZIO HIRPINIA		job	1925-28	v. accept.	1925-28
GEOSERVING SRL - San Vittore del Lazio (mandante)	Project	RADDOPPIO FERR.RIO NA-BA - TRATTA APICE - HIRPINIA		report	1925-28	DRT	
GEOTEC SPA - Campobasso (mandante)	site	coordinates			EAST	date	11.12.19
TRIVELSONDAGGI SRL - Crispano (mandante)					NORTH	pag	1/3

DILATOMETRIC ROCK TEST WITH VOLUME CHANGE MEASUREMENTS - ISRM 1987

Borehole				LITHOTYPE				PRESSURE								
S_ROC_9				direction - displacement				STEP	P	Pcorr	Vol	e c	1/V	diameter	Dil. Diam	Modulo
test 1 depth m 14,50								bar	Kpa	cmc	%	1000/cmc	(mm)	(mm)	MPa	
slope (degree)	core barrel							0	0,0	0	0,0	-15,158	0,000	93,472	0,000	0,0
90	DOPPIO							1	1,0	181	549,4	-8,285	1,820	101,044	7,572	2,9
Device:	CSM Type GEODV03 95 mm							2	2,0	221	1054,7	-2,389	0,948	107,539	14,068	0,8
Orientation capteur	Standard method:							3	3,0	299	1233,1	-0,391	0,811	109,740	16,269	4,8
C1=	ISRM 1987							4	4,0	393	1268,5	0,000	0,788	110,171	16,700	30,0
Probe diam 95 MM	Borehole diam 101 MM							5	5,0	489	1279,8	0,125	0,781	110,310	16,838	96,4
Meteo	Temperatu re							6	6,0	585	1297,9	0,325	0,770	110,529	17,058	60,3
lithotype	ARGILLE MARNOSE /SABBIE ARGILLOSE							7	4,0	391	1287,0	0,205	0,777	110,397	16,926	203,7
water table	POCKET PENETRO METER							8	3,0	295	1270,3	0,020	0,787	110,194	16,722	65,2
Creep test P (Bars) =								9	2,0	199	1244,9	-0,261	0,803	109,884	16,412	42,2
Temps min	PBAR	MM						10	1,0	104	1222,4	-0,511	0,818	109,609	16,137	47,6
0								11	2,0	197	1266,6	-0,021	0,790	110,149	16,677	23,7
1								12	3,0	292	1289,1	0,228	0,776	110,422	16,951	48,1
2								13	4,0	387	1321,7	0,586	0,757	110,817	17,346	33,0
3								14	6,0	579	1350,8	0,905	0,740	111,168	17,696	76,3
4								15	8,0	772	1384,9	1,278	0,722	111,579	18,108	65,0
5								16	10,0	964	1413,0	1,584	0,708	111,916	18,445	80,0
								17	12,0	1157	1441,9	1,898	0,694	112,262	18,790	78,1
								18	14,0	1351	1461,3	2,108	0,684	112,493	19,022	117,6
								19	16,0	1545	1478,1	2,289	0,677	112,694	19,222	136,5
								20	18,0	1739	1497,5	2,498	0,668	112,924	19,452	118,7
								21	20,0	1933	1516,9	2,707	0,659	113,154	19,682	119,3
								22	21,0	2029	1531,4	2,862	0,653	113,325	19,853	79,7
								23	22,0	2126	1546,7	3,027	0,647	113,506	20,035	75,1
								24	23,0	2222	1561,5	3,185	0,640	113,681	20,209	78,5
								25	24,0	2318	1577,9	3,361	0,634	113,874	20,402	70,8
								26	22,0	2123	1569,0	3,266	0,637	113,769	20,298	265,8
								27	18,0	1734	1543,0	2,988	0,648	113,463	19,991	180,3
								28	14,0	1345	1512,1	2,655	0,661	113,096	19,625	150,1
								29	10,0	957	1477,7	2,285	0,677	112,688	19,217	134,2
								30	6,0	570	1432,1	1,791	0,698	112,145	18,673	100,0
								31	4,0	378	1402,0	1,464	0,713	111,784	18,312	74,7
								32	2,0	185	1367,7	1,090	0,731	111,373	17,901	65,2
PROBE SCHEME								i valori diametrali sono calcolati come valore medio della sonda cilindrica in espansione								
rod adaptor	electronic device							FIELD LIMITS								
double action piston								min	P	P corr	V corr	creep	1000/V	diameter	Dil. Diam	loop
expandable cylinder								max	4,0	392,8	1268,5	0,0	0,8	110,2	16,7	primo
								max	20,0	1932,9	1516,9	2,7	0,7	113,2	19,7	carico
								max	6,0	585,5	1297,9	0,3	0,8	110,5	17,1	I
								min	1,0	103,9	1222,4	-0,5	0,8	109,6	16,1	
								max	24,0	2318,1	1577,9	3,4	0,6	113,9	20,4	II
								min	2,0	185,4	1367,7	1,1	0,7	111,4	17,9	
								max								III
								min								
PROBE CALIBRATION																
probe	GEODV03 CSM TYPE															
membrane	CAUCCIU' ARMATO															
measure cell height (cm)																
V0 cell volume at rest (cmc)	3259															
length cable (mt)	100															
Volume initial Vi (cmc)	547															
diam calibration tube (cm)	10,1															
tube calibration volume cmc	3806															
Calibration in air																
coeff m	0,11 Kpa/cmc															
Confined calibration																
first load	10,8 cmc/Mpa															
unload	6,3 cmc/Mpa															

A.T.I. tra	DILATOMETRIC ROCK TEST DRT			mod DVT REV 2 MARZO 2018			
SONDEDILE SRL - Teramo (mandataria)	borehole	S_ROC_9	probe depth m	14,5	code	1	
GEOSERVING SRL - San Vittore del Lazio (mandante)	Client:	CONSORZIO HIRPINIA		job	1925-28	v. accept.	1925-28
GEOTEC SPA - Campobasso (mandante)	Project	RADDOPPIO FERR.RIO NA-BA - TRATTA APICE - HIRPINIA			report	1925-28	DRT
TRIVELSONDAGGI SRL - Crispiano (mandante)	site	0	coordinates	EAST	date	11.12.19	pag 2/3
				NORTH			

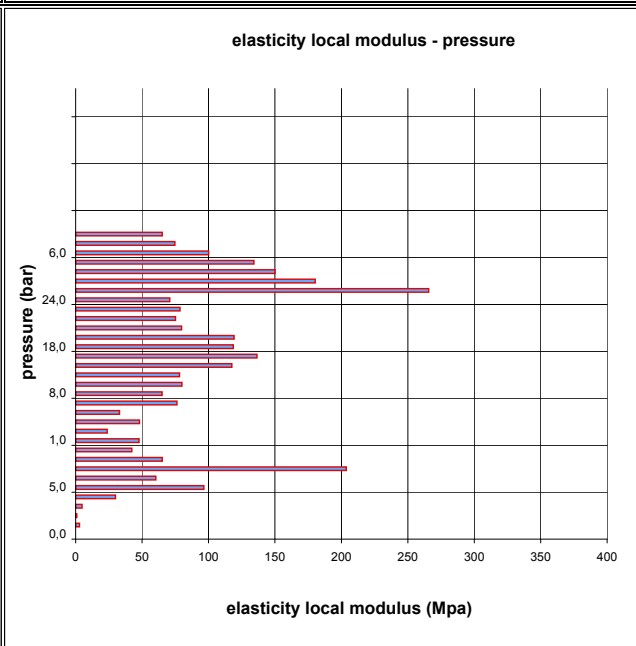
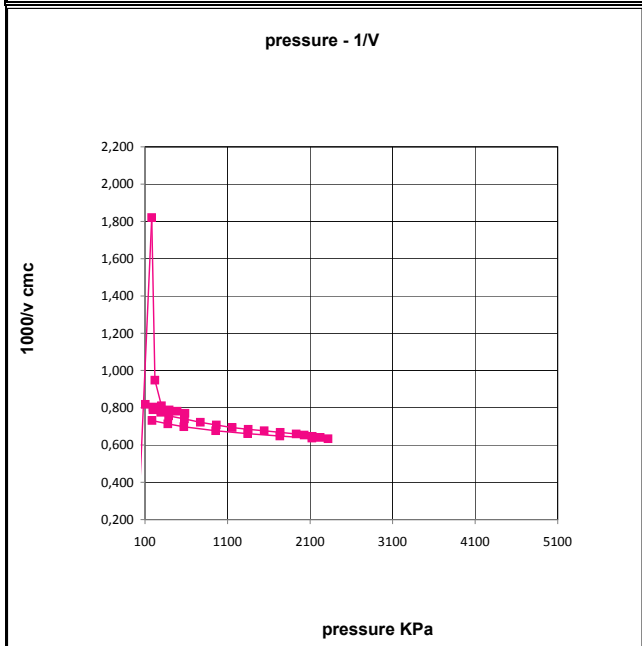
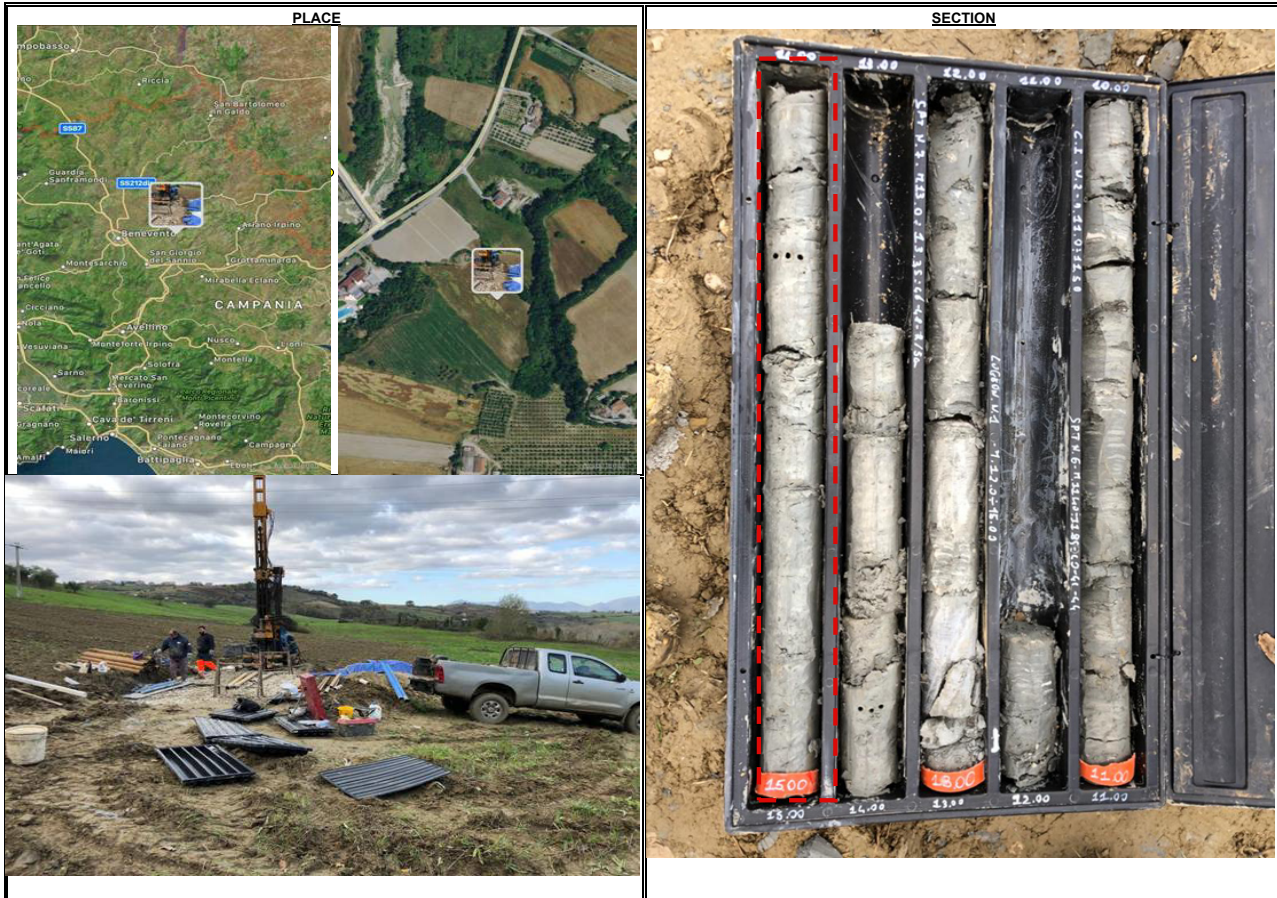
DILATOMETRIC ROCK TEST WITH VOLUME CHANGE MEASUREMENTS - ISRM 1987



DATA PROCESSING					SENSOR 1	SENSOR 2	SENSOR 3	SENSOR AVE		
Legend: H = test depth W = water table depth v = Poisson ratio vo = cell initial volume do = cell initial diameter Φ = borehole wall diameter Po = start pressure Pmax = max loop pressure (MPa) Pmin = min loop pressure (MPa) d max = displacement at P max d min = displacement at P min σv = vertical total stress estimated εc = dR / Ro	DATA	ELASTICITY MODULUS Ei								
		symbol	datum	loop	Pmax	Pmin	E1 (Mpa)	E2 (Mpa)	E3 (Mpa)	Eav (Mpa)
		γnsoil	2,2	1	6,00	1,00				72
		W (ml)	14,5	2	24,00	2,00				117
		v	0,25	3						
		vo (cmc)	3259	4						
		do (mm)	93,47	5						
		σv (kPa)	319	DEFORMATION MODULUS Ti						
				loop	Pmax	Pmin	T1 (Mpa)	T2 (Mpa)	T3 (Mpa)	Tm (Mpa)
				1	6,00	4,00				74
		2	24,00	6,00				71		
		3	0,00	24,00				16		
		4								
		5								
		GLOBAL DEFORMATION MODULUS EG								
			Pmax	Pmin	EG1 (Mpa)	EG2 (Mpa)	EG3 (Mpa)	EGm (Mpa)		
			20,00	4,00				71		
		DIAMETER								
		beginning diameter (mm)							110,171	
		final diameter (mm)							113,874	
		range mm							3,703	
		DM loop minimum displacement			DILATOMETRIC AND GEOTECHNICAL ESTIMATED PARAMETERS					
		Pbar	C1	C2	C3	Cm	Po initial pressure (KPa)	393	T3 (MPa)	16
		bar	0	120	240	0	Pf creep pressure (KPa)	1933	E3 (MPa)	117
			6,0	10,997	10,997	17,058	PL limit pres. (KPa) Cassan >	3018	E/PL	5,94
							PL' net limit pres (KPa) >	2635	EG/Ey	0,13
							Ko lateral coeff at rest (KPa)	1,20	cu coesion (KPa) johnson	
							Pho lateral pressure (KPa)	383	φ friction angle (°) >	

A.T.I. tra SONDEDILE SRL - Teramo (mandataria) GEOSERVING SRL - San Vittore del Lazio (mandante) GEOTEC SPA - Campobasso (mandante) TRIVELSONDAGGI SRL - Crispiano (mandante)	DILATOMETRIC ROCK TEST DRT			mod DVT REV 2 MARZO 2018			
	borehole	S_ROC_9	probe depth m	14,5	code	1	
Client:	CONSORZIO HIRPINIA		job	1925-28	v. accept	1925-28	
Project	RADDOPPIO FERR.RIO NA-BA - TRATTA APICE - HIRPINIA			report	1925-28	DRT	
site	0	coordinates	EAST	date	11.12.19	pag	3/3

DILATOMETRIC ROCK TEST WITH VOLUME CHANGE MEASUREMENTS - ISRM 1987



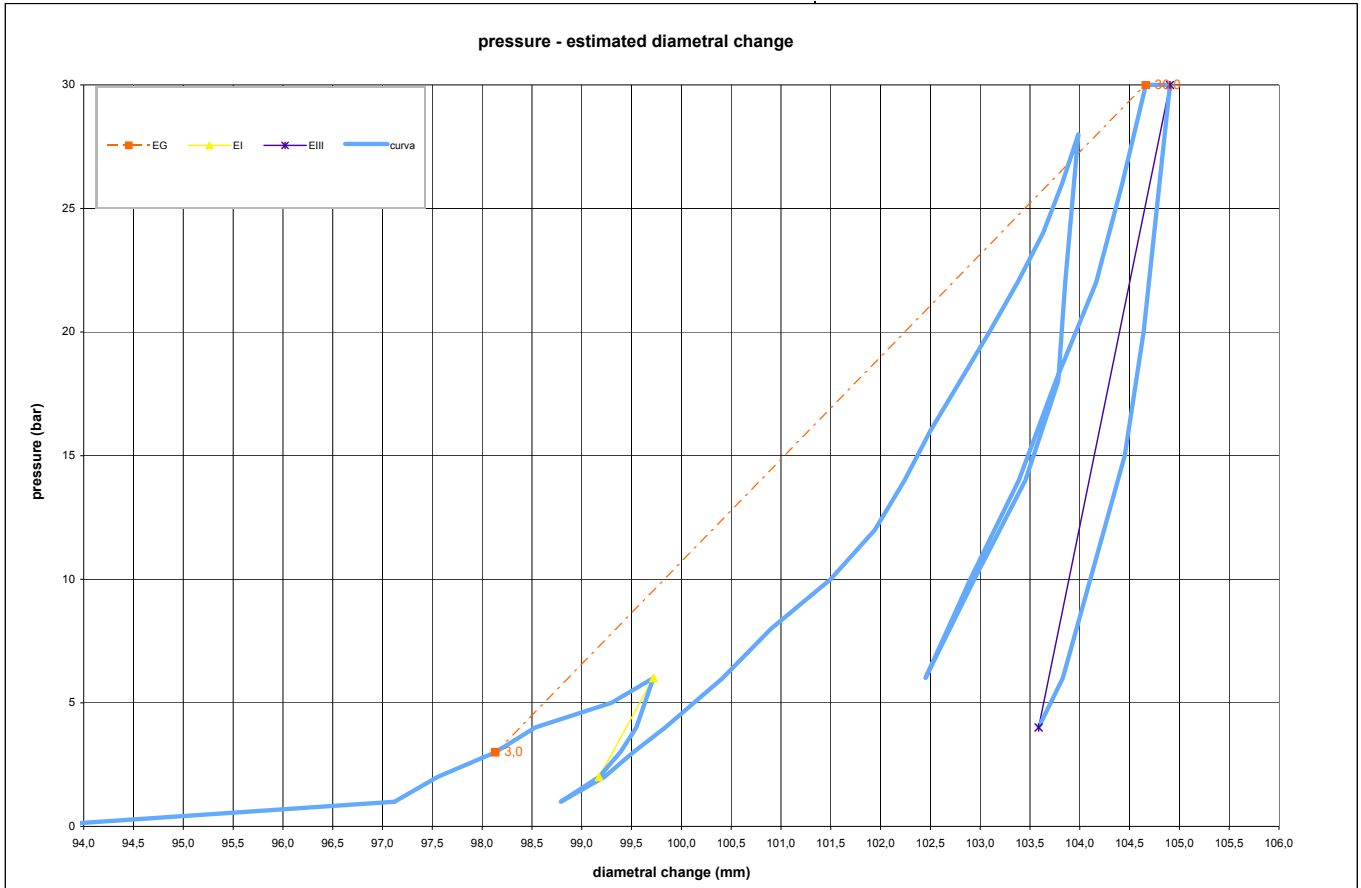
A.T.I. tra	borehole	S_ROC_9	probe depth m	19,5	mod DVT REV 2 MARZO 2018	code	2
SONDEDILE SRL - Teramo (mandataria)	Client:	CONSORZIO HIRPINIA		job	1925-28	v. accept.	1925-28
GEOSERVING SRL - San Vittore del Lazio (mandante)	Project	RADDOPPIO FERR.RIO NA-BA - TRATTA APICE - HIRPINIA		report	1925-28	DRT	
GEOTEC SPA - Campobasso (mandante)	site	coordinates			EAST	date	12.12.19
TRIVELSONDAGGI SRL - Crispano (mandante)					NORTH	pag	1/3

DILATOMETRIC ROCK TEST WITH VOLUME CHANGE MEASUREMENTS - ISRM 1987

Borehole				LITHOTYPE				PRESSURE																																																																																																																																																																																																																																																				
S_ROC_9				direction - displacement				STEP	P	Pcorr	Vol	e c	1/V	diameter	Dil. Diam	Modulo																																																																																																																																																																																																																																												
test 2 depth m 19,50								bar	Kpa	cmc	%	1000/cmc	(mm)	(mm)	MPa																																																																																																																																																																																																																																													
slope (degree) 90 core barrel DOPPIO								0	1,0	2,0	3,0	4,0	5,0	6,0	7,0	8,0	9,0	10,0	11,0	12,0	13,0	14,0	15,0	16,0	17,0	18,0	19,0	20,0	21,0	22,0	23,0	24,0	25,0	26,0	27,0	28,0	29,0	30,0	31,0	32,0	33,0	34,0	35,0	36,0	37,0	38,0	39,0	40,0	41,0	42,0	43,0	44,0	45,0	46,0																																																																																																																																																																																																						
Device: CSM Type GEODV03 95 mm								6	4,0	5,0	4,0	1,617	2,221	99,719	6,248	27,8	7	3,0	4,0	4,0	1,442	2,286	99,548	6,076	141,4	8	2,0	3,0	4,0	1,278	2,350	99,387	5,915	74,5	9	1,0	2,0	3,0	1,061	2,441	99,174	5,702	56,1	10	2,0	3,0	1,061	2,441	99,174	5,702	56,1	11	1,0	2,0	3,0	1,061	2,441	99,174	5,702	56,1	12	2,0	3,0	1,116	2,417	99,228	5,756	26,6	13	3,0	4,0	1,411	2,298	99,517	6,046	41,0	14	4,0	5,0	1,738	2,178	99,838	6,367	37,0	15	6,0	7,0	2,327	1,991	100,416	6,944	41,4	16	8,0	9,0	2,820	1,857	100,900	7,428	49,9	17	10,0	11,0	3,429	1,713	101,498	8,026	40,4	18	12,0	13,0	3,882	1,620	101,942	8,471	55,0	19	14,0	15,0	4,187	1,562	102,241	8,769	82,7	20	16,0	17,0	4,450	1,515	102,500	9,028	96,0	21	18,0	19,0	4,753	1,465	102,796	9,325	83,6	22	20,0	21,0	5,054	1,418	103,093	9,621	84,1	23	22,0	23,0	5,342	1,375	103,375	9,903	88,5	24	24,0	25,0	5,603	1,339	103,630	10,159	98,1	25	26,0	27,0	5,797	1,313	103,821	10,349	132,3	26	28,0	29,0	5,964	1,291	103,985	10,514	153,8	27	30,0	31,0	6,145	1,269	104,163	10,691	124,4	28	32,0	33,0	6,331	1,250	104,311	11,243	-1,2	29	34,0	35,0	6,439	1,234	104,451	10,979	335,3	30	36,0	37,0	6,558	1,218	104,587	10,715	103,8	31	38,0	39,0	6,687	1,203	104,714	11,243	-1,2	32	40,0	41,0	6,837	1,189	104,842	11,371	-1,2	33	42,0	43,0	6,992	1,176	104,961	11,494	-1,2	34	44,0	45,0	7,155	1,164	105,074	11,619	-1,2	35	46,0	47,0	7,325	1,153	105,182	11,746	-1,2
Orientation capteur Standard method: ISRM 1987								46	4,0	5,0	4,0	1,558	1,345	103,587	10,115	103,8																																																																																																																																																																																																																																												
Probe diam 95 MM Borehole diam 101 MM								i valori diametrali sono calcolati come valore medio della sonda cilindrica in espansione																																																																																																																																																																																																																																																				
Meteo Temperature								FIELD LIMITS																																																																																																																																																																																																																																																				
lithotype ALTERNANZE SABBIOSO ARGILLOSO MARNOSO								min	P	P corr	V corr	creep	1000/V	diameter	Dil. Diam	loop																																																																																																																																																																																																																																												
water table POCKET PENETRO METER								max	3,0	30,0	333,1	0,0	3,0	98,1	4,7	primo																																																																																																																																																																																																																																												
Creep test P (Bars) =								max	6,0	731,9	450,2	1,6	2,2	99,7	6,2	I																																																																																																																																																																																																																																												
Temps min PBAR MM								min	2,0	344,4	409,7	1,1	2,4	99,2	5,7																																																																																																																																																																																																																																													
0 30,0 104,663								max	22,0	2268,9	727,1	5,3	1,4	103,4	9,9	II																																																																																																																																																																																																																																												
1 30,0 104,714								min	6,0	708,5	656,2	4,4	1,5	102,5	9,0																																																																																																																																																																																																																																													
2 30,0 104,778								max	30,0	3039,6	846,1	6,9	1,2	104,9	11,4	III																																																																																																																																																																																																																																												
3 30,0 104,817								min	4,0	502,5	743,5	5,6	1,3	103,6	10,1																																																																																																																																																																																																																																													
4 30,0 104,842																																																																																																																																																																																																																																																												
5 30,0 104,906																																																																																																																																																																																																																																																												
PROBE SCHEME																																																																																																																																																																																																																																																												
rod adaptor																																																																																																																																																																																																																																																												
electronic device																																																																																																																																																																																																																																																												
double action piston																																																																																																																																																																																																																																																												
expandable cylinder																																																																																																																																																																																																																																																												
PROBE CALIBRATION																																																																																																																																																																																																																																																												
probe GEODV03 CSM TYPE																																																																																																																																																																																																																																																												
membrane CAUCCIU' ARMATO																																																																																																																																																																																																																																																												
measure cell height (cm)																																																																																																																																																																																																																																																												
V0 cell volume at rest (cmc) 3259																																																																																																																																																																																																																																																												
length cable (mt) 100																																																																																																																																																																																																																																																												
Volume initial Vi (cmc) 547																																																																																																																																																																																																																																																												
diam calibration tube (cm) 10,1																																																																																																																																																																																																																																																												
tube calibration volume cmc 3806																																																																																																																																																																																																																																																												
Calibration in air																																																																																																																																																																																																																																																												
coeff m 0,11 Kpa/cmc																																																																																																																																																																																																																																																												
Confined calibration																																																																																																																																																																																																																																																												
first load 10,8 cmc/Mpa																																																																																																																																																																																																																																																												
unload 6,3 cmc/Mpa																																																																																																																																																																																																																																																												

A.T.I. tra	DILATOMETRIC ROCK TEST DRT			mod DVT REV 2 MARZO 2018			
SONDEDILE SRL - Teramo (mandataria)	borehole	S_ROC_9	probe depth m	19,5	code	2	
GEOSERVING SRL - San Vittore del Lazio (mandante)	Client:	CONSORZIO HIRPINIA		job	1925-28	v. accept.	1925-28
GEOTEC SPA - Campobasso (mandante)	Project	RADDOPPIO FERR.RIO NA-BA - TRATTA APICE - HIRPINIA			report	1925-28	DRT
TRIVELSONDAGGI SRL - Crispiano (mandante)	site	0	coordinates		EAST	date	12.12.19
					NORTH	pag	2/3

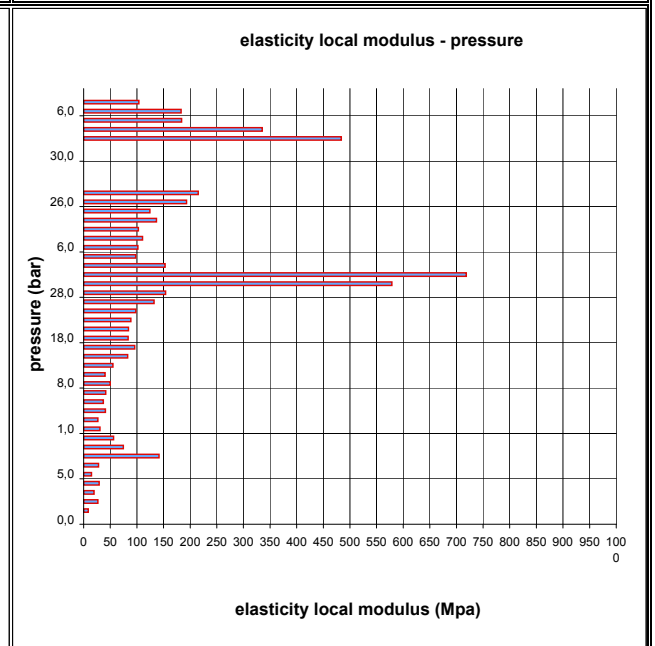
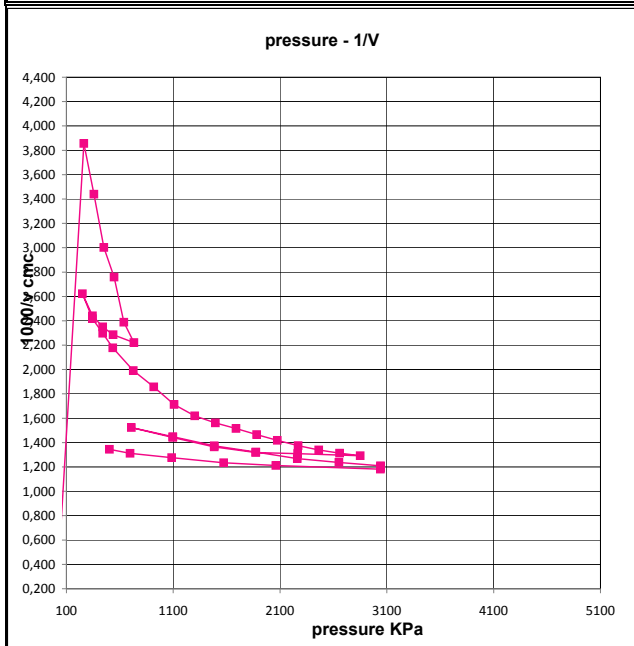
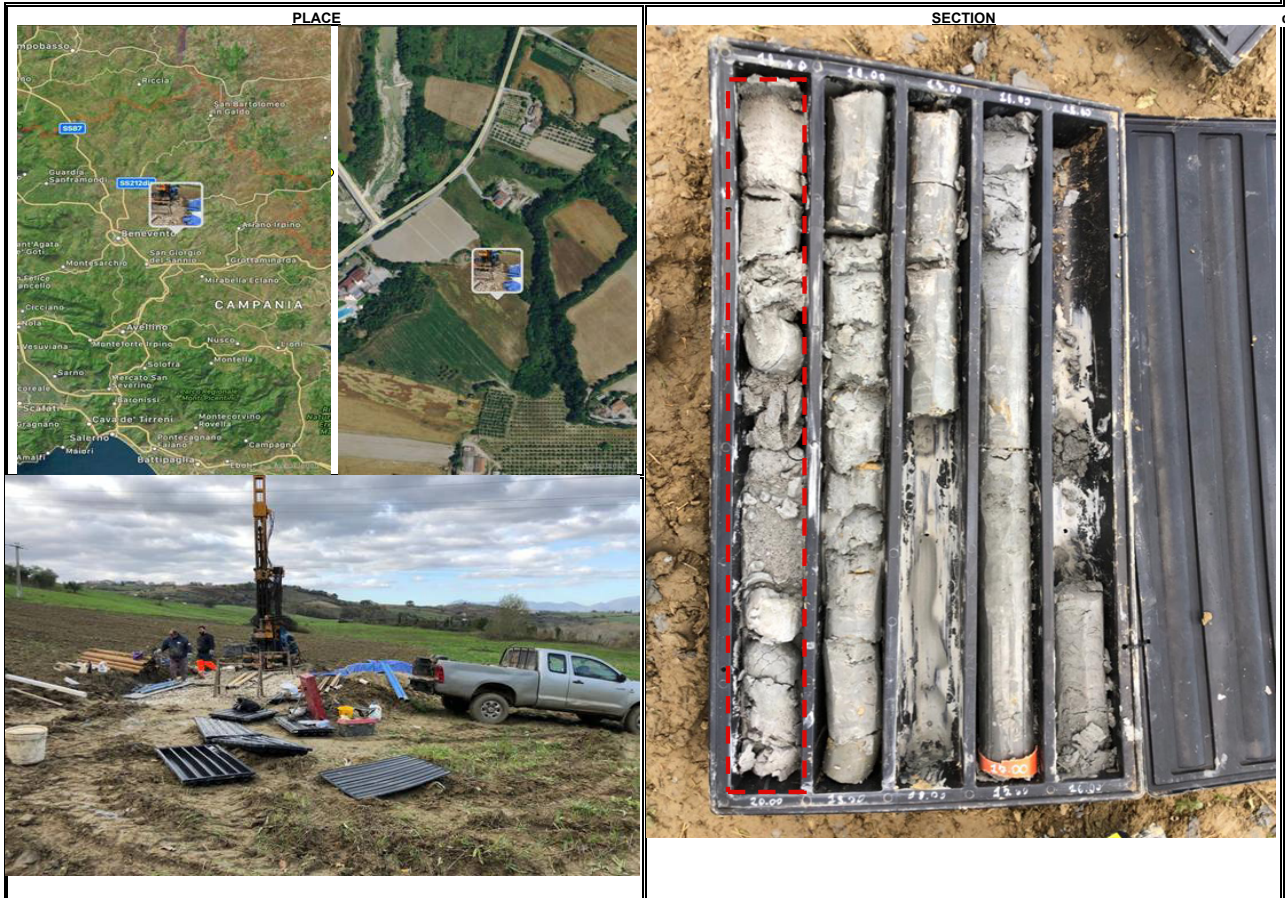
DILATOMETRIC ROCK TEST WITH VOLUME CHANGE MEASUREMENTS - ISRM 1987



DATA PROCESSING		SENSOR 1		SENSOR 2		SENSOR 3		SENSOR AVE		
Legend: H = test depth W = water table depth v = Poisson ratio vo = cell initial volume do = cell initial diameter Φ = borehole wall diameter Po = start pressure Pmax = max loop pressure (MPa) Pmin = min loop pressure (MPa) dmax = displacement at Pmax dmin = displacement at Pmin σv = vertical total stress estimated εc = dR / Ro		ELASTICITY MODULUS Ei								
		loop	Pmax	Pmin	E1 (Mpa)	E2 (Mpa)	E3 (Mpa)	Eav (Mpa)		
symbol	datum	1	6,00	2,00				87		
γnsoil	2,2	2	22,00	6,00				207		
W (ml)	19,5	3	30,00	4,00				236		
v	0,25	4								
vo (cmc)	3259	5								
do (mm)	93,47									
σv (kPa)	429									
DEFORMATION MODULUS Ti Ti = (1+ v) Φ Pi - Pi-1 Xi - Xi-1		DEFORMATION MODULUS Ti								
		loop	Pmax	Pmin	T1 (Mpa)	T2 (Mpa)	T3 (Mpa)	Tm (Mpa)		
		1	6,00	3,00				22		
		2	22,00	6,00				52		
		3	30,00	22,00				62		
		4								
GLOBAL DEFORMATION MODULUS EG EG = (1+ v) Φ Pmax - Po dmax - do		GLOBAL DEFORMATION MODULUS EG								
			Pmax	Pmin	EG1 (Mpa)	EG2 (Mpa)	EG3 (Mpa)	EGm (Mpa)		
			30,00	3,00				49		
		DIAMETER				F	F	F	F	
DM loop minimum displacement		beginning diameter (mm)					98,133			
		final diameter (mm)					103,375			
		range mm					5,242			
note:		DILATOMETRIC AND GEOTECHNICAL ESTIMATED PARAMETERS								
		Pbar	C1	C2	C3	Cm	Po initial pressure (KPa)	451	T3 (MPa)	62
		bar	0	120	240	0	Pf creep pressure (KPa)	3042	E3 (MPa)	236
		6,0	10,997	10,997	10,997	6,248	PL limit pres. (KPa) Cassan >	4841	E/PL	14,13
							PL' net limit pres (KPa) >	4369	EG/Ey	0,26
		Ko lateral coeff at rest (KPa)		1,10	cu cohesion (KPa) johnson >					
		Pho lateral pressure (KPa)		472	φ friction angle (°) >					

A.T.I. tra SONDEDILE SRL - Teramo (mandataria) GEOSERVING SRL - San Vittore del Lazio (mandante) GEOTEC SPA - Campobasso (mandante) TRIVELSONDAGGI SRL - Crispiano (mandante)	DILATOMETRIC ROCK TEST DRT			mod DVT REV 2 MARZO 2018			
	borehole	S_ROC_9	probe depth m	19,5	code	2	
Client:	CONSORZIO HIRPINIA		job	1925-28	v. accept	1925-28	
Project	RADDOPPIO FERR.RIO NA-BA - TRATTA APICE - HIRPINIA			report	1925-28	DRT	
site	0	coordinates	EAST	date	12.12.19	pag	3/3
			NORTH				

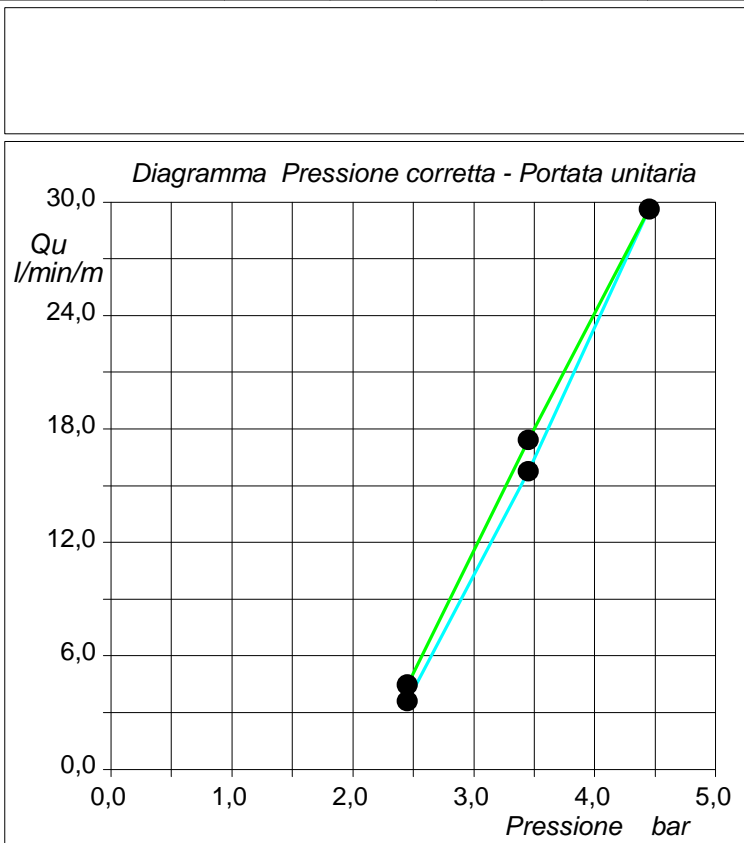
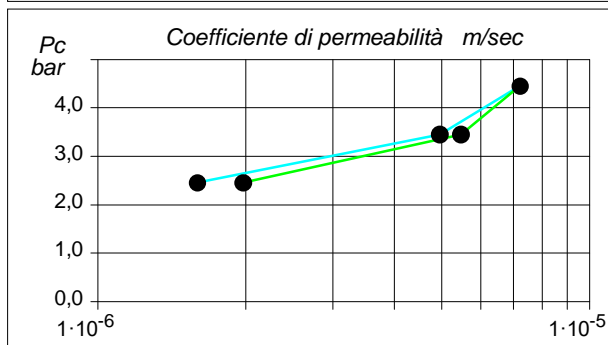
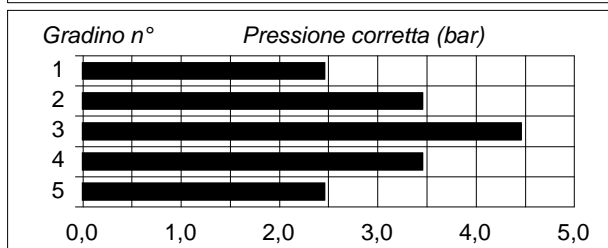
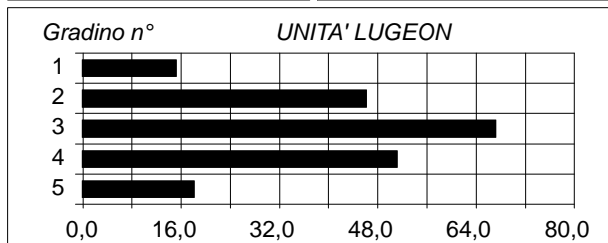
DILATOMETRIC ROCK TEST WITH VOLUME CHANGE MEASUREMENTS - ISRM 1987



Committente: CONSORZIO HIRPINIA AV		Prova: 1
Riferimento: 1° Lotto funzionale Apice - Irpinia		Data: 10/12/2019
Località:		Orario prova:
Sondaggio: SROC_09		

<i>Caratteristiche generali</i>		<i>Assorbimento (litri)</i>					
		min	bar	1,0	2,0	3,0	2,0
Sezione di misura: profondità da m	12,00	0	395,0	561,0	1105,0	2101,0	2631,0
Sezione di misura: profondità a m	15,00	2	405,0	623,0	1250,0	2202,0	2654,0
Diametro del foro (mm):	101	4	430,0	732,0	1396,0	2306,0	2681,0
Altezza immissione acqua dal p.c. (m):	1,00	6	456,0	851,0	1612,0	2412,0	2710,0
Profondità della falda dal p.c. (m):	15,00	8	479,0	952,0	1775,0	2518,0	2735,0
Inclinazione del sondaggio (°):	0,0	10	503,0	1034,0	1994,0	2624,0	2765,0
Packer tipo:	semplice	12					
Coefficiente di forma:	4,61	14					
UNITA' LUGEON (valore rappresentativo):	32,29	16					
Regime di Flusso:	Dilatazione	18					
		20					

<i>Legenda</i>		Pressione (bar):	1,00	2,00	3,00	2,00	1,00
Gradino n° 1	●	Pressione corretta (bar):	2,45	3,45	4,45	3,45	2,45
Gradino n° 2	●	Assorbimento (litri):	108,0	473,0	889,0	523,0	134,0
Gradino n° 3	●	Portata (litri/minuto):	10,80	47,30	88,90	52,30	13,40
Gradino n° 4	●	Portata unitaria (litri/minuto/metro):	3,60	15,77	29,63	17,43	4,47
Gradino n° 5	●	UNITA' LUGEON	14,69	45,70	66,59	50,53	18,23
		Coefficiente di permeabilità (m/sec):	1,6E-6	5,0E-6	7,2E-6	5,5E-6	2,0E-6



Committente: CONSORZIO HIRPINIA AV	
Riferimento: 1° Lotto funzionale Apice - Irpinia	Prova: 2
Località:	Data: 11/12/2019
Sondaggio: SROC_09	Orario prova:

<i>Caratteristiche generali</i>		<i>Assorbimento (litri)</i>					
		min	1,0	2,0	3,0	2,0	1,0
Sezione di misura: profondità da m	17,00	0	0,0	0,0	0,0	0,0	0,0
Sezione di misura: profondità a m	20,00	2	4,6	6,3	4,4	4,0	4,1
Diametro del foro (mm):	101	4	9,4	11,9	11,5	9,5	9,5
Altezza immissione acqua dal p.c. (m):	1,00	6	14,4	17,4	18,4	14,4	14,4
Profondità della falda dal p.c. (m):	20,00	8	18,4	23,2	24,0	21,0	19,2
Inclinazione del sondaggio (°):	0,0	10	22,2	28,2	31,5	26,1	24,5
Packer tipo:	semplice	12					
Coefficiente di forma:	4,61	14					
UNITA' LUGEON (valore rappresentativo):	2,12	16					
Regime di Flusso:	Moto turbolento	18					
		20					

<i>Legenda</i>	Pressione (bar):	1,00	2,00	3,00	2,00	1,00
Gradino n° 1 ●	Pressione corretta (bar):	2,95	3,95	4,95	3,95	2,95
Gradino n° 2 ●	Assorbimento (litri):	22,2	28,2	31,5	26,1	24,5
Gradino n° 3 ●	Portata (litri/minuto):	2,22	2,82	3,15	2,61	2,45
Gradino n° 4 ●	Portata unitaria (litri/minuto/metro):	0,740	0,940	1,050	0,870	0,817
Gradino n° 5 ●	UNITA' LUGEON	2,51	2,38	2,12	2,20	2,77
	Coefficiente di permeabilità (m/sec):	2,7E-7	2,6E-7	2,3E-7	2,4E-7	3,0E-7

