



The Sizewell C Project

6.3 Volume 2 Main Development Site
Chapter 18 Geology and Land Quality
Appendix 18A Phase 2 Geo-environmental Interpretative Report
Part 6 of 11

Revision: 1.0
Applicable Regulation: Regulation 5(2)(a)
PINS Reference Number: EN010012

May 2020

Planning Act 2008
Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009



NOT PROTECTIVELY MARKED

Appendix F – Ground Investigation Factual Reports

On-shore Investigations Phase 1 for Sizewell Site 2011

CONTINUED

NOT PROTECTIVELY MARKED

Trial Pit Log



Soil Mechanics

Logged EM Checked MT	Start 12/10/2010 End 12/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.20 m 	Ground Level +2.16 mOD Coordinates E 647229.10 National Grid N 263976.58 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.10	D 1		1 Light brown slightly silty fine to medium SAND with rare rootlets and frequent roots present. (TOPSOIL)	0.10 +2.06		
0.30-0.50	B 2	x2	2 Orangish brown slightly silty slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of various lithologies including sandstone and flint. (Maximum particle size present 30mm) (MADE GROUND)	(0.80)		
		12/10/2010	3 CONCRETE. (MADE GROUND)	0.90 +1.26		
			EXPLORATORY HOLE ENDS AT 1.50 m	1.50 +0.66		

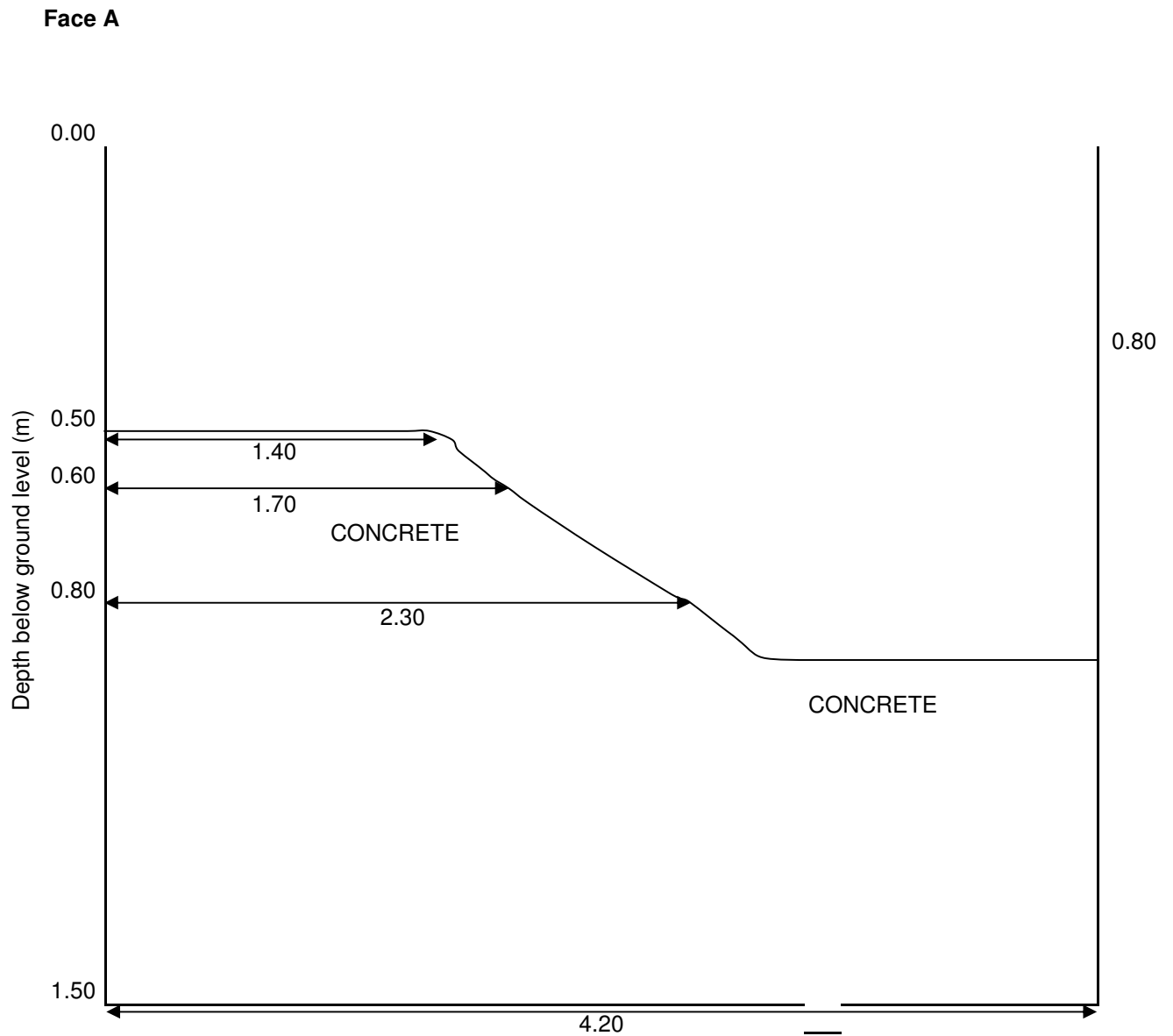
Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 1.50 Trial pit terminated due to concrete.	Stability Stable Shoring None Weather Cool, dry, windy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:06:59	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP39 Sheet 1 of 2
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Trial Pit Sketch



Soil Mechanics



Notes: All measurements in metres unless otherwise stated

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Trial Pit
TP39

Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 29/09/2010 End 29/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.00 m 050 (Deg)	Ground Level +2.83 mOD Coordinates E 647240.80 National Grid N 263907.18 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
			1 Orange brown slightly gravelly, locally very gravelly, SAND. Gravel is subangular to angular fine to coarse of flint. (Possibly MADE GROUND)	0.00-0.10 m roots present	0.90 +1.93	Legend	Backfill/ Instruments	
				0.30-0.50 m light orange brown				
			2 Light grey brown silty, locally very silty, gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to angular fine to coarse of flint. (Possibly MADE GROUND)	0.80 m occasional subrounded cobble up to 200mm in size				
		29/09/2010	3 Dark orange brown and grey brown slightly gravelly silty SAND with low cobble content and occasional fine to medium gravel size shell fragments. Gravel is subrounded to subangular fine to coarse of flint. Cobbles are subrounded of flint. Occasional fragments of wood present. (Possibly MADE GROUND)		2.00 +0.83			
			EXPLORATORY HOLE ENDS AT 3.20 m		3.20 -0.37			

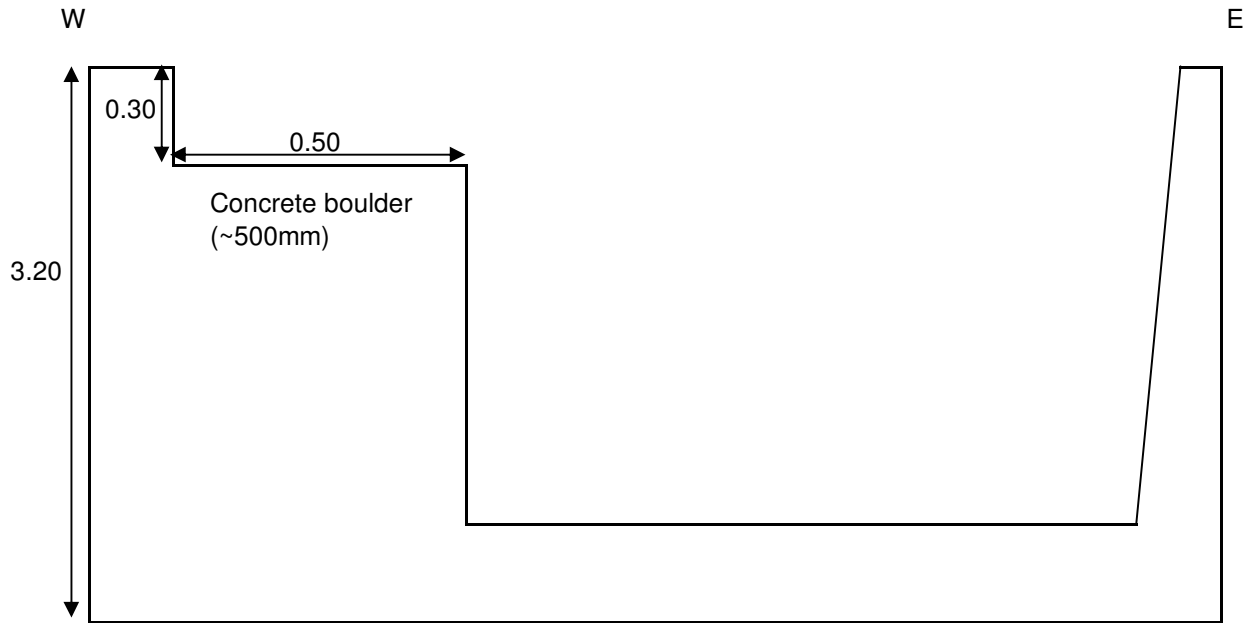
Depth	Type & No.	Records Date	Depth Related Remarks *	Stability
			From to (m) 3.20 Trial pit terminated due to collapse form 2.5m.	Partial collapse from 2.5m.
				Shoring None
				Weather Rain, cloudy

Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.20 Seepage	Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP40 Sheet 1 of 2
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Trial Pit Sketch



Soil Mechanics



Notes: All measurements in metres unless otherwise stated

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Trial Pit
TP40

Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 29/09/2010 End 29/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.70 m 	Ground Level +2.43 mOD Coordinates E 647310.65 National Grid N 263939.85 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
		29/09/2010	1 Orange brown silty to slightly silty gravelly SAND. Gravel is subrounded to rounded fine to coarse of flint. (Possibly MADE GROUND) 2 Grey brown slightly gravelly very silty SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to coarse of flint. (Possibly MADE GROUND)		0.10	+2.33		
			0.20 m concrete boulder present 0.50 m light orange brown		(1.20)			
			EXPLORATORY HOLE ENDS AT 1.30 m		1.30	+1.13		

Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.30 Fast inflow	Depth Related Remarks * From to (m) 1.30 Trial pit terminated due to ground water ingress.	Stability Partial collapse from 1.0m. Shoring None Weather Cloudy, drizzle
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP41 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 29/09/2010 End 29/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.60 m 105 (Deg)	Ground Level +5.10 mOD Coordinates E 647400.09 National Grid N 263928.79 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			1 Orange brown silty gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine to coarse of flint and granite. (MADE GROUND)	(1.90)		
			2 Orange brown to light Orange brown silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is subrounded to angular fine to coarse of granite. (MADE GROUND)	1.90 +3.20 (1.70)		
			3 Dark grey and black silty SAND with abundant roots. (Possibly RECENT DEPOSITS)	3.60 +1.50		
		29/09/2010	4 Dark grey silty slightly gravelly SAND .Gravel is subrounded to rounded fine to coarse of various lithologies. (RECENT DEPOSITS)	3.80 +1.30 4.00 +1.10		
			EXPLORATORY HOLE ENDS AT 4.00 m			

Depth	Type & No.	Records Date	Depth Related Remarks *	Stability Stable
			From to (m)	Shoring None
				Weather Cloudy, rain

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP42 Sheet 1 of 2
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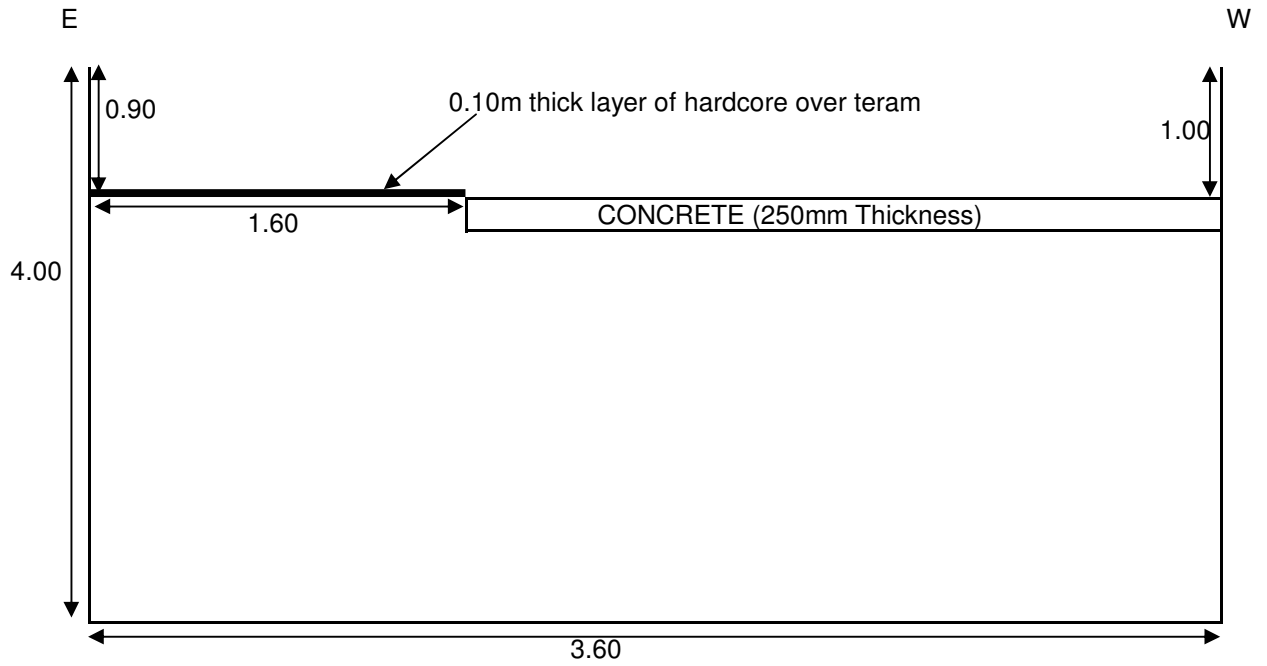
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:35



Trial Pit Sketch



Soil Mechanics



Notes: All measurements in metres unless otherwise stated

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Trial Pit
TP42

Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 29/09/2010 End 29/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.90 m 	Ground Level +2.43 mOD Coordinates E 647450.38 National Grid N 263958.81 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
			1 Dark orange brown silty SAND with frequent fine to medium gravel size shell fragments and frequent rootlets. (MADE GROUND)		0.25	+2.18		
			2 Orange brown to light orange brown silty SAND with high cobble content and frequent fine to medium gravel size shell fragments. Cobbles are subrounded of flint. (Possibly MADE GROUND)		(0.75)			
			3 Light grey and light grey brown silty SAND with occasional fine to medium gravel size shell fragments. Locally grading to slightly clayey sandy silt. (Possibly MADE GROUND)		1.00	+1.43		
		29/09/2010	4 Grey brown silty slightly gravelly SAND .Gravel is rounded to subrounded fine to coarse of various lithologies including flint. (Possibly MADE GROUND)		2.20	+0.23		
			EXPLORATORY HOLE ENDS AT 2.60 m		2.60	-0.17		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) 1 1.90 Seepage	Depth Related Remarks * From to (m) 2.60 Trial pit terminated due to collapse.	Stability Partial collapse form 1.9m. Shoring None Weather Cloudy, dry
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






Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:37	Project ONSHORE INVESTIGATIONS PHASE 1 FOR Project No. SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP43 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged JMH Checked MT	Start 24/11/2010 End 24/11/2010	Equipment, Methods and Remarks 360 deg. Excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.60 m Length 2.00 m 	Ground Level +5.42 mOD Coordinates E 647252.76 National Grid N 263879.82 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			1 Red brown HARDCORE . (MADE GROUND)			
			2 Orange brown slightly silty slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)	0.20 +5.22 (1.30)		
			3 Brown fine to medium SAND with frequent fine to medium gravel size shell fragments and occasional clay pockets up to 50mm in size. (MADE GROUND)	1.50 +3.92 (0.70)		
			4 Orange brown slightly silty fine to medium SAND with occasional fine to medium gravel size shell fragments and occasional clay horizons up to 20mm in thickness. (MADE GROUND)	2.20 +3.22 (0.90)		
			5 Grey brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	3.10 +2.32 (0.90)		
		24/11/2010 dry				
			EXPLORATORY HOLE ENDS AT 4.00 m	4.00 +1.42		

Depth	Type & No.	Records Date	Depth Related Remarks *	Stability Good
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			From to (m)	Shoring None Weather Overcast, cold

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP44 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 30/09/2010 End 30/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.10 m 	Ground Level +6.23 mOD Coordinates E 647320.75 National Grid N 263895.48 Chainage
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Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
			1 Dark orange brown slightly silty slightly gravelly SAND. Gravel is rounded fine to coarse of various lithologies. (MADE GROUND)	0.00-0.10 m rootlets 0.10-1.00 m occasional concrete boulders up to 300mm in size 0.30 m occasional shells present 0.50 m rare wire present 1.00 m orange brown and dark orange brown layer present			
		30/09/2010		(4.00)			
			EXPLORATORY HOLE ENDS AT 4.00 m	4.00 +2.23			

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:43	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP46 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 29/09/2010 End 29/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.10 m 	Ground Level +6.49 mOD Coordinates E 647476.84 National Grid N 263894.62 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
Depth	Type & No.	Date Records	Description					
			1 Dark orange brown silty slightly gravelly SAND. Gravel is subrounded to angular fine to coarse of flint. (MADE GROUND)	0.00-0.20 m rootlets present	(2.30)			
				0.50 m orange brown layer present				
			2 Light grey brown to grey slightly silty, locally very silty, slightly gravelly SAND with occasional rootlets. Gravel is subrounded to rounded fine to coarse of flint. (MADE GROUND)	1.00-1.40 m locally grey brown and gravelly	(1.90)			
				2.80-3.10 m wood debris present 2.90 m 1 No. metal service post present 3.00 m occasional subangular to rounded cobbles of flint up to 200mm in size present				
		29/09/2010	EXPLORATORY HOLE ENDS AT 4.20 m		4.20	+2.29		

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy, light rain
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Trial Pit Log



Soil Mechanics

Logged ST Checked MT	Start 20/10/2010 End 20/10/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.60 m Length 3.00 m 	Ground Level +8.12 mOD Coordinates E 647540.27 National Grid N 263890.53 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description				
			1 Dark brown fine to coarse SAND with frequent roots and rootlets. (MADE GROUND)		0.10 +8.02		
			2 Orangish brown slightly gravelly SAND with rare pockets of friable brownish grey sandy silty clay with low cobble content. Gravel is subangular to subrounded fine to coarse of mixed lithologies including flint. Cobbles are angular to subrounded of mixed lithologies including flint. (Maximum particle size present 150mm) (MADE GROUND)		(1.50)		
			3 Orangish brown gravelly SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including sandstone, flint and concrete. Sand 75%, sandstone 5%, flint 5%, concrete 15%. (Maximum particle size present 60mm) (MADE GROUND)		(0.80)		
			4 Greyish brown slightly silty SAND with occasional black roots. (Possibly RECENT DEPOSITS)		(0.30)		
		20/10/2010	5 Light grey slightly silty fine to medium SAND. (Possibly RECENT DEPOSITS)		2.70 +5.42 2.80 +5.32		
			EXPLORATORY HOLE ENDS AT 2.80 m				

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 2.80 Trial pit terminated due to instability.	Stability Moderate Shoring None Weather Sunny, dry
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 15:00:51	Project ONSHORE INVESTIGATIONS PHASE 1 FOR Project No. SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP48 Sheet 1 of 1
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Borehole Log



Drilled MR Logged CH Checked MT	Start 12/03/2011 End 12/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Depth from 0.00m to 5.00m Diameter 200mm Casing Depth 5.00m	Ground Level +3.13 mOD Coordinates E 647142.88 National Grid N 263833.96 Chainage
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Samples and Tests				Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.30-0.80	B 1	x 2			MACADAM. (MADE GROUND)	0.20 +2.93			
					HARDCORE sub-base. (MADE GROUND)	0.30 +2.83			
1.10	D 2				Light brownish orange silty slightly gravelly SAND. Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)	(1.80)			
1.30-1.80	B 3	x 2							
2.10	D 4				Light brownish orange silty slightly gravelly SAND. Gravel is subrounded fine to medium of sandstone and flint. (MADE GROUND)	2.10 +1.03			
2.30-2.80	B 5	x 2							
3.10	D 6					(2.90)			
3.30-3.80	B 7	x 2							
4.10	D 8								
4.30-4.80	B 9	x 2							
5.00	D 10		12/03/2011	1800					
			5.00						
5.00	D 10				EXPLORATORY HOLE ENDS AT 5.00 m				

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling Depths (m) Time Tools used		
No.	Struck (m)	Post strike behaviour			From to (m)		3.00 -3.40 60 mins Chisel		
None observed (see Key Sheet)					1.20 5.00 Water added to assist boring.				

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole TP50 (BH)
Scale 1:25	Project No. A0012-10	Sheet 1 of 1
(c) Soil Mechanics www.soil-mechanics.com	Carried out for NNB Generation Company Limited	

Trial Pit Log



Soil Mechanics

Logged JMH Checked MT	Start 25/11/2010 End 25/11/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 2.50 m 	Ground Level +6.27 mOD Coordinates E 647304.59 National Grid N 263836.93 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			1 Red brown HARDCORE. (MADE GROUND)	(0.30)		
			2 Orangish brown slightly silty slightly gravelly SAND with frequent clay horizons up to 40mm in thickness. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	0.30 +5.97 (0.30)		
			3 Yellowish brown fine to medium SAND with occasional clay horizons up to 30mm in thickness. (MADE GROUND)	0.60 +5.67		
				(1.90)		
			4 Orangish brown fine to medium SAND with occasional clay horizons up to 20mm in thickness. (MADE GROUND)	2.50 +3.77		
				(1.00)		
		25/11/2010 dry				
			EXPLORATORY HOLE ENDS AT 3.50 m	3.50 +2.77		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 1.50 3.50 Trial pit terminated due to collapse of Face A.	Stability Poor Shoring None Weather Overcast, cold
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:47	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP51 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 30/09/2010 End 30/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.50 m 	Ground Level +6.50 mOD Coordinates E 647419.22 National Grid N 263865.11 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description				
			1 Dark orange brown silty gravelly SAND .Gravel is subangular to rounded fine to coarse of various lithologies including flint. (MADE GROUND)		0.00-0.20 m rootlets present 0.30 m concrete boulder up to 500mm in size present 0.50 m orange brown layer present 1.00-1.50 m concrete boulders up to 400mm in size present 1.20 m locally grey brown 2.00 m slightly silty slightly gravelly layer present 3.00 m occasional gravel present		
		30/09/2010			(4.20)		
			EXPLORATORY HOLE ENDS AT 4.20 m		4.20	+2.30	

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m)	Stability Collapse 0.5-3.5m. Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP52 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 01/10/2010 End 01/10/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.60 m 	Ground Level +6.44 mOD Coordinates E 647468.85 National Grid N 263838.14 Chainage
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Samples and Tests			Strata		Depth, Level / (Thickness)	Legend	Backfill / Instruments
Depth	Type & No.	Date Records	Description				
0.50 0.50	B 1 D 2	x2	1 Orange brown slightly gravelly silty SAND with occasional fine to medium gravel size shell fragments. Gravel is subrounded to rounded fine to coarse of various lithologies. (Maximum particle size present 25mm) (Possibly MADE GROUND) 0.20 m rootlets present 0.40 m occasional cobbles up to 150mm in size present 0.50 m locally very silty		(1.00)		
1.50 1.50	B 3 D 4	x2	2 Orange, locally orange brown, silty SAND. (Possibly MADE GROUND)		1.00 +5.44 (2.00)		
2.50 2.50	B 5 D 6	x2	3 (Possibly MADE GROUND)		2.00 +3.44		
			EXPLORATORY HOLE ENDS AT 3.00 m		3.00 +3.44		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 3.00 Trial pit terminated due to work area health and safety restrictions.	Stability Stable Shoring None Weather Cloudy
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Borehole Log



Drilled MR Logged CH Checked MT	Start 11/03/2011 End 11/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Depth from 0.00m to 5.00m Diameter 200mm Casing Depth 5.00m	Ground Level +4.49 mOD Coordinates E 647068.54 National Grid N 263812.54 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level / (Thickness)	Legend	Backfill / Instruments		
0.30-0.80	B 1	x 2			MACADAM. (MADE GROUND)	0.20 +4.29				
					HARDCORE sub-base. (MADE GROUND)	0.40 +4.09				
					Light brown orange silty gravelly SAND. Gravel is angular to subangular fine to coarse of concrete. (MADE GROUND)	(1.70)				
1.10	D 2									
1.30-1.80	B 3	x 2								
2.10	D 4									
2.30-2.80	B 5	x 2			Light brown orange silty SAND. (MADE GROUND)	2.10 +2.39				
3.10	D 6									
3.30-3.80	B 7	x 2								
4.10	D 8									
4.30-4.80	B 9	x 2								
			11/03/2011	1800						
			5.00							
5.00	D 10				EXPLORATORY HOLE ENDS AT 5.00 m					
Depth	Type & No	Records	Date Casing	Time Water						

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)					1.20	5.00	2.40 -2.54	60 mins	Chisel

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole TP54 (BH)
Scale 1:25	Project No. A0012-10	Sheet 1 of 1
(c) Soil Mechanics www.soil-mechanics.com	Carried out for NNB Generation Company Limited	

Trial Pit Log



Soil Mechanics

Logged JMH Checked MT	Start 25/11/2010 End 25/11/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.70 m Length 2.50 m 	Ground Level +6.36 mOD Coordinates E 647210.99 National Grid N 263818.93 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.20-0.60 0.30	B 2 D 1	x2	1 Brown subangular to rounded medium to coarse GRAVEL of flint. (Maximum particle size present 60mm) (MADE GROUND)	0.05 +6.31 (0.60)		
0.65-0.90 0.80	B 4 D 3	x2	2 Orange brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse of flint. (Maximum particle size present 60mm) (MADE GROUND)	0.65 +5.71		
0.90-1.30 1.00	B 6 D 5	x2	3 Light brown SAND. (Maximum particle size present 2mm) (MADE GROUND)	0.90 +5.46		
		25/11/2010 dry	4 Orange brown slightly gravelly fine to medium SAND with low cobble content. Gravel is subangular to subrounded fine to coarse of flint and concrete. Cobbles are subangular of concrete. (Maximum particle size present 200mm) (MADE GROUND)	(0.40) 1.30 +5.06		
			EXPLORATORY HOLE ENDS AT 1.30 m			

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 1.30 Trial pit terminated due to collapse of Face C and 6" drain running along Face A.	Stability Poor Shoring None Weather Overcast, cold
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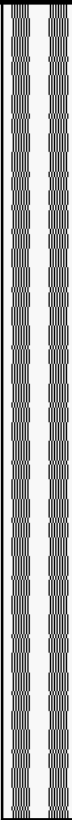
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:51	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP55 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged CH Checked MT	Start 14/12/2010 End 14/12/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation Width 0.40 m Length 4.50 m 	Ground Level +6.29 mOD Coordinates E 647207.18 National Grid N 263818.86 Chainage
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Samples and Tests			Strata		Depth, Level (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
			1 Multicoloured medium to coarse GRAVEL of flint. (MADE GROUND)		0.05	+6.24		
			2 Orangish brown slightly gravelly fine to medium SAND with high cobble content. Gravel is subrounded to rounded fine to coarse of quartzite, brick and concrete. Cobbles are subangular to angular of concrete up to 250x250x300mm in size. (MADE GROUND)					
		14/12/2010 dry	0.50 m becoming less gravelly		(2.65)			
			EXPLORATORY HOLE ENDS AT 2.70 m		2.70	+3.59		

Depth	Type & No.	Records Date	Depth Related Remarks *		Stability	Poor
			From to (m) 2.70 Trial pit terminated due to collapse of Face C.		Shoring	None
Groundwater Entries					Weather	Sunny
No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)						

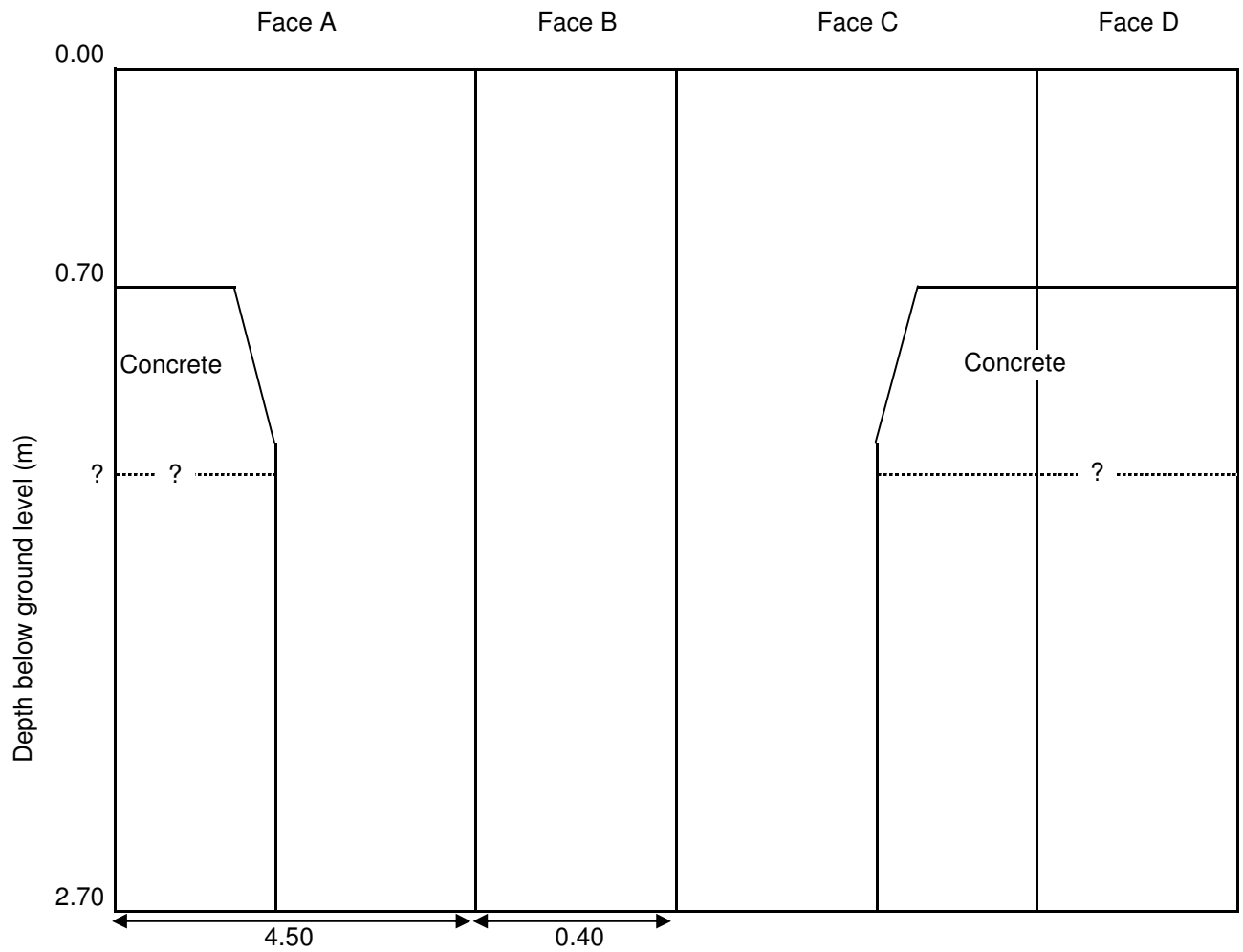
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP55A Sheet 1 of 2
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Trial Pit Sketch



Soil Mechanics



Notes: All measurements in metres unless otherwise stated

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

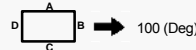
Trial Pit
TP55A

Trial Pit Log



Soil Mechanics

Logged CH	Start 14/12/2010	Equipment, Methods and Remarks 360 deg. excavator. Machine excavated trial pit.	Dimensions and Orientation		Ground Level +6.42 mOD
Checked MT	End 14/12/2010		Width 0.40 m	Length 3.60 m	Coordinates E 647249.46 N 263818.29



Samples and Tests			Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description				
		14/12/2010 dry	1 Multicoloured subrounded to rounded fine to coarse GRAVEL of flint. (MADE GROUND) 2 Orangish brown gravelly slightly silty SAND. Gravel is subrounded to rounded fine to coarse of flint. (MADE GROUND)		0.05 +6.37		
			----- EXPLORATORY HOLE ENDS AT 2.60 m		2.60 +3.82		
Depth	Type & No.	Records Date					

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 2.60 Trial pit terminated due to collapse of Face C.	Stability Poor Shoring None Weather Sunny
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:54	Project ONSHORE INVESTIGATIONS PHASE 1 FOR Project No. SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP56 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 30/09/2010 End 30/09/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.20 m 	Ground Level +6.47 mOD Coordinates E 647371.76 National Grid N 263809.51 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
			1 Brown silty gravelly SAND with frequent rootlets. Gravel is subrounded to rounded fine to coarse of flint. (TOPSOIL)		0.15	+6.32		
			2 Light orange brown and orange brown slightly silty gravelly SAND with low cobble content. Gravel is angular to subrounded fine to coarse of various lithologies including flint. Cobbles are of concrete up to 100mm in size. (MADE GROUND)		(1.35)			
			3 Yellow brown to light orange brown slightly silty, SAND. (Possibly MADE GROUND)		1.50	+4.97		
		30/09/2010						
			EXPLORATORY HOLE ENDS AT 4.20 m		4.20	+2.27		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m)	Stability Stable Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:56	Project ONSHORE INVESTIGATIONS PHASE 1 FOR Project No. SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP57 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged SS Checked MT	Start 01/10/2010 End 01/10/2010	Equipment, Methods and Remarks 360 deg excavator. Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.20 m 	Ground Level +6.51 mOD Coordinates E 647497.53 National Grid N 263790.32 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.50 0.50	B 1 D 2	x2	1 Brown silty gravelly SAND with frequent rootlets. Gravel is angular to subrounded fine to coarse of various lithologies including granite and flint. (Maximum particle size present 25mm) (Possibly MADE GROUND) 2 Orange brown light brown and yellow brown slightly silty SAND. (Possibly MADE GROUND)	0.15 +6.36 (0.45) 0.60 +5.91		
1.50 1.50	B 3 D 4	x2	3 Light orange brown to light brown slightly silty slightly gravelly SAND with low cobble content and frequent fine to medium gravel size shell fragments. Gravel is angular fine to coarse of siltstone. Cobbles are angular of siltstone up to 150mm in size. (Maximum particle size present 150mm in size) (Possibly MADE GROUND)	(2.60)		
2.50 2.50	B 5 D 6	x2				
		01/10/2010				
			EXPLORATORY HOLE ENDS AT 3.20 m	3.20 +3.31		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 3.20 Trial pit terminated due to work area health and safety restrictions.	Stability Stable Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:17:57	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP58 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged CH Checked MT		Start 13/03/2011 End 13/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Dimensions and Orientation Width - Length -		Ground Level Coordinates National Grid Chainage	+5.79 mOD E 647067.06 N 263772.94	
Samples and Tests			Strata					
Depth	Type & No.	Date Records	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.00-0.30	B 1	x2	0.00-1.20 m Hand excavated in situ MADE GROUND			(0.30)		
0.30-0.50	B 1	x2	HARDCORE sub-base. (MADE GROUND)			0.30 +5.49		
0.50-1.10	D 2		Light brownish orange slightly silty slightly gravelly SAND with frequent fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to medium of sandstone. (MADE GROUND)			0.50 +5.29		
1.10-1.30	B 3	x2						
1.30-2.10	D 4							
2.10-2.30	B 5	x2						
2.30-3.10	D 6							
3.10-3.30	B 7	x2						
3.30-4.10	D 8							
4.10-4.30	B 9	x2						
4.30-5.00	D 10	13/03/2011 1800						
5.00	D 10	Records Date	EXPLORATORY HOLE ENDS AT 5.00 m					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)			Stability Shoring Weather		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. Carried out for NNB Generation Company Limited			Trial Pit TP60 (BH) Sheet 1 of 1		
Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 04/08/2011 15:02:24			AGS					

Borehole Log



Drilled MR Logged CH Checked MT	Start 10/03/2011 End 10/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Depth from 0.00m to 5.00m Diameter 200mm Casing Depth 5.00m	Ground Level +4.59 mOD Coordinates E 647051.09 National Grid N 263708.09 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
		0.00-1.20 m Hand excavated inspection pit			TOPSOIL.			
0.30-0.80	B 1	x 2			HARDCORE sub-base. (MADE GROUND)	0.10 +4.49		
					Light brownish orange silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to medium of sandstone. (MADE GROUND)	0.25 +4.34		
1.10	D 2							
1.30-1.80	B 3	x 2						
2.10	D 4							
2.30-2.80	B 5	x 2						
						(4.75)		
3.10	D 6							
3.30-3.80	B 7	x 2						
4.10	D 8							
4.30-4.80	B 9	x 2						
5.00	D 10		10/03/2011	1800				
				5.00				
5.00	D 10				EXPLORATORY HOLE ENDS AT 5.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 3.00 5.00 Water added to assist boring.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 14:38:27	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole TP62 (BH) Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 15/10/2010 End 15/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.30 m 	Ground Level +1.11 mOD Coordinates E 647010.73 National Grid N 262998.13 Chainage
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Samples and Tests			Strata		Ground Level	
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			1 Dark brown slightly silty SAND with frequent rootlets. (TOPSOIL)	0.20 +0.91		
			2 Orangish brown slightly silty slightly gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)	(0.30) 0.50 +0.61		
			3 Blackish grey slightly silty slightly clayey slightly gravelly SAND. Gravel is subangular to subrounded fine to medium of various lithologies. (Possibly RECENT DEPOSITS)	(1.10)		
			4 Brown spongy fibrous PEAT. (RECENT DEPOSITS)	1.60 -0.50 (1.20)		
		15/10/2010	5 Grey slightly silty SAND. (RECENT DEPOSITS)	2.80 -1.70 (0.40)		
			EXPLORATORY HOLE ENDS AT 3.20 m	3.20 -2.10		

Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.40 Seepage 2 2.80 Flow	Depth Related Remarks * From to (m) 3.20 Trial pit terminated due to collapse.	Stability Good until 2.30m. Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP65 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 13/10/2010 End 13/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.10 m 200 (Deg)	Ground Level +3.81 mOD Coordinates E 647137.33 National Grid N 262927.47 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description				
			1 Brown slightly silty slightly gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (MADE GROUND))	(0.30)	+3.51		
			2 Orangish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies including sandstone, mudstone and flint. (Possibly RECENT DEPOSITS)	(1.20)			
			3 Firm orangish brown sandy CLAY. (RECENT DEPOSITS)	(0.50)	+2.31		
			4 Orangish brown slightly clayey sandy SILT with pockets of grey fine sand. (RECENT DEPOSITS)	(1.10)	+2.11		
			5 Stiff grey mottled brown slightly sandy CLAY. (RECENT DEPOSITS)	(0.50)	+1.01		
		13/10/2010	6 Orangish brown slightly gravelly SAND. Gravel is subrounded to subangular of various lithologies. (RECENT DEPOSITS)	(0.30)	+0.51		
			EXPLORARY HOLE ENDS AT 3.60 m		+0.21		

Depth	Type & No.	Records Date	Depth Related Remarks *		Stability Good
			From to (m)		Shoring None
			3.60	Trial pit terminated.	Weather Drizzle

Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.30 Seepage 2 3.50 Flow	Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP68 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 13/10/2010 End 13/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 2.00 m Length 3.70 m 	Ground Level +4.83 mOD Coordinates E 647178.89 National Grid N 262886.78 Chainage
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Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.10 0.10-0.20	D 1 B 2	x2	1 Brown slightly silty gravelly CLAY. Gravel is subangular to subrounded fine to coarse of various lithologies. (MADE GROUND))	(0.30)			
0.30 0.30-0.70	D 3 B 4	x2		2 Brownish orange slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (Possibly RECENT DEPOSITS)	0.30 +4.53		
1.20-1.70	B 6	x2	1.70 m cobble size pockets with 1mm cementation		(2.10)		
1.50	D 5						
		13/10/2010					
EXPLORATORY HOLE ENDS AT 2.40 m				2.40 +2.43			

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 2.40 Trial pit terminated due to collapse of face A and C.	Stability Poor Shoring None Weather Drizzle
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:18:05	Project ONSHORE INVESTIGATIONS PHASE 1 FOR Project No. SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP69 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM	Start 13/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.10 m		Ground Level +8.21 mOD Coordinates E 647109.05 National Grid N 262862.50 Chainage
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Samples and Tests			Strata	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description			
		13/10/2010	1 Brown gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies, (MADE GROUND)) 2 Orangish brown slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of various lithologies including flint and sandstone. (Possibly RECENT DEPOSITS)	(0.30) 0.30 +7.91 (1.80)		
			EXPLORATORY HOLE ENDS AT 2.10 m	2.10 +6.11		
Depth	Type & No.	Records Date				
Groundwater Entries			Depth Related Remarks *		Stability Poor	
No. Struck (m)	Post Strike Behaviour		From to (m)	Trial pit terminated due to collapse of face A.		Shoring None
None observed (see Key Sheet)					Weather Cloudy	

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:18:06	Project ONSHORE INVESTIGATIONS PHASE 1 FOR Project No. SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited	Trial Pit <h2 style="margin:0">TP70</h2> Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 13/10/2010 End 13/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.70 m 	Ground Level +6.78 mOD Coordinates E 647162.59 National Grid N 262801.35 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
			1 Brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (MADE GROUND)	(0.40)		
			2 Reddish brown slightly silty slightly gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)	0.40 +6.38 0.45 +6.33		
		13/10/2010	3 Brown orangish slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)	(1.05)		
			EXPLORATORY HOLE ENDS AT 1.50 m	1.50 +5.28		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 1.50 Trail pit terminated due to collapse of face A.	Stability Poor Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:18:07	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP71 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 14/10/2010 End 14/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.20 m 020 (Deg)	Ground Level +8.64 mOD Coordinates E 647111.07 National Grid N 262740.08 Chainage
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Samples and Tests			Strata				
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.10 0.10-0.30	D 1 B 2	x2	1 Brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (Possibly RECENT DEPOSITS)	(0.40)			
0.40 0.40-0.70	D 3 B 4	x2	2 Orangish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (Possibly RECENT DEPOSITS)	0.40 +8.24 (0.30)			
0.80 0.80-1.40	D 5 B 6	x2	3 Orangish brown, locally black, slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (Possibly RECENT DEPOSITS)	0.70 +7.94 (0.90)			
1.70 1.70-2.50	D 7 B 8	x2	4 Light brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (Possibly RECENT DEPOSITS)	1.60 +7.04 (2.70)			
3.50-4.00 3.50	B 10 D 9	x2					
		14/10/2010					
			EXPLORATORY HOLE ENDS AT 4.30 m	4.30 +4.34			
Depth	Type & No.	Records Date					
Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)			Depth Related Remarks * From to (m)		Stability Good Shoring None Weather Cloudy		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited		Trial Pit TP72 Sheet 1 of 1		



Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 14/10/2010 End 14/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit	Dimensions and Orientation Width 1.00 m Length 4.20 m 	Ground Level +8.11 mOD Coordinates E 647134.46 National Grid N 262726.64 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.10 0.10-0.30	D 1 B 2	x2	1 Light brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (Possibly RECENT DEPOSITS)	(0.40)		
0.50 0.50-1.00	D 3 B 4	x2	2 Orangish brown slightly sandy gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (Possibly RECENT DEPOSITS)	0.40 +7.71		
1.70 1.70-2.40	D 5 B 6	x2	1.30 m brownish orange	(3.20)		
2.70 2.70-3.40	D 7 B 8	x2				
		14/10/2010				
			EXPLORATORY HOLE ENDS AT 3.60 m	3.60 +4.51		

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 3.60 Trail pit terminated due to collapse.	Stability Good Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:18:11	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP73 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 14/10/2010 End 14/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.70 m 290 (Deg)	Ground Level +3.06 mOD Coordinates E 647243.73 National Grid N 262744.74 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			1 Brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (TOPSOIL)	(0.30)		
			2 Brownish orange slightly silty gravelly SAND. Gravel subangular to subrounded fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)	0.30 +2.76 (0.90)		
			3 Firm reddish brown sandy to very sandy CLAY with pockets of grey fine sand. (RECENT DEPOSITS)	1.20 +1.86 1.40 +1.66		
			4 Yellowish brown slightly silty SAND. (RECENT DEPOSITS)	(0.50)		
			5 Firm to stiff grey mottled brown sandy CLAY. (RECENT DEPOSITS)	1.90 +1.16 (0.30)		
		14/10/2010	6 Reddish orange brown slightly silty SAND. (RECENT DEPOSITS)	2.20 +0.86 (0.40)		
			EXPLORATORY HOLE ENDS AT 2.60 m	2.60 +0.46		

Depth	Type & No.	Records Date				
Groundwater Entries			Depth Related Remarks *	Stability Good until 2.20m.		
No. Struck (m)	Post Strike Behaviour		From to (m)	Shoring None		
1 2.50	Seepage		2.60	Weather Cloudy		
2 2.60	Flow			Trial pit terminated collapsed due to water ingress.		

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP74 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 14/10/2010 End 14/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.30 m 	Ground Level +4.24 mOD Coordinates E 647108.76 National Grid N 262691.07 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description				
			1 Brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)		(0.35)		
			2 Brownish orange slightly silty gravelly SAND. Gravel is subangular to rounded fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)		0.35 +3.89		
		14/10/2010			(3.25)		
			EXPLORATORY HOLE ENDS AT 3.60 m		3.60 +0.64		

Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.50 Seepage 2 3.60 Flow	Depth Related Remarks * From to (m) 3.60 Trial pit terminated due to collapse of face C.	Stability Good until 3.50m. Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP75 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 14/10/2010 End 14/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.80 m 	Ground Level +1.82 mOD Coordinates E 647167.79 National Grid N 262657.12 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			1 Brown slightly silty slightly gravelly SAND. Gravel is subangular fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)	(0.80)		
			2 Grey slightly silty SAND. (Possibly RECENT DEPOSITS)	0.80 +1.02 (0.50)		
		14/10/2010	3 Greyish orangish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. Pockets to coarse greenish grey sand and bands of purple coarse sand present. (Possibly RECENT DEPOSITS)	1.30 +0.52 (1.20)		
			EXPLORATORY HOLE ENDS AT 2.50 m	2.50 -0.68		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.40 Seepage	Depth Related Remarks * From to (m) 2.50 Trial pit terminated due to collapse.	Stability Poor Shoring None Weather Drizzle
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:18:15	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP76 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged EM Checked MT	Start 15/10/2010 End 15/10/2010	Equipment, Methods and Remarks TB125 mini digger. Machine excavated trial pit.	Dimensions and Orientation Width 0.60 m Length 1.50 m 	Ground Level +4.24 mOD Coordinates E 646558.02 National Grid N 264613.55 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
			1 Brown slightly clayey fine to medium SAND with frequent rootlets and roots. (TOPSOIL)		0.10	+4.14		
			2 Orangish brown slightly silty fine to medium SAND with frequent tree roots up to 60mm in diameter. (RECENT DEPOSITS)		(0.90)			
			3 Orangish brown slightly silty fine to medium SAND. (RECENT DEPOSITS)		1.00	+3.24		
		15/10/2010	0.60 m 1 No fragments of metal in pit 0.80-1.00 m red wire present in pit					
			3 Orangish brown slightly silty fine to medium SAND. (RECENT DEPOSITS)		(1.50)			
			EXPLORATORY HOLE ENDS AT 2.50 m		2.50	+1.74		

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 2.50 Trial pit terminated due to collapse of sides.	Stability Unstable Shoring None Weather Cool, dry
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TPN1 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged EM Checked MT	Start 15/10/2010 End 15/10/2010	Equipment, Methods and Remarks TB125 mini digger Machine excavated trial pit.	Dimensions and Orientation Width 0.60 m Length 1.50 m 	Ground Level +1.41 mOD Coordinates E 646564.47 National Grid N 264594.34 Chainage
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Samples and Tests			Strata		Depth, Level / (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
		15/10/2010	1 Brown slightly clayey slightly gravelly fine to medium SAND. Gravel is subangular fine to coarse various lithologies. (TOPSOIL) 2 Orangish brown slightly silty fine to coarse SAND. (RECENT DEPOSITS)		0.10	+1.31		
			0.50 m light orange grey EXPLORATORY HOLE ENDS AT 0.70 m		0.70	+0.71		

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) 1 0.40 Inflow	Depth Related Remarks * From to (m) 0.70 Trial pit terminated as full of water	Stability Unstable Shoring None Weather Cool, dry
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:23:18	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TPN2 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged EM Checked MT	Start 20/10/2010 End 20/10/2010	Equipment, Methods and Remarks TB125 mini digger. Machine excavated trial pit.	Dimensions and Orientation Width 0.80 m Length 2.20 m 	Ground Level +2.53 mOD Coordinates E 646706.80 National Grid N 264597.63 Chainage
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Samples and Tests			Strata		Depth, Level (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
		20/10/2010	1 Brown fine to medium SAND with occasional rootlets and roots. (TOPSOIL) 2 Orangish brown slightly silty slightly gravelly SAND. Gravel is subangular fine to coarse of various lithologies including sandstone. (RECENT DEPOSITS)		0.05	+2.48		
			0.80 m light brown with occasional roots and rootlets.		(2.45)			
			EXPLORATORY HOLE ENDS AT 2.50 m		2.50	+0.03		

Groundwater Entries No. Struck Post Strike Behaviour (m) 1 2.30 Seepage into water	Depth Related Remarks * From to (m) 2.50 Trial pit terminated due to running sand.	Stability Unstable Shoring None Weather Cool, dry
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:23:19	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TPN3 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged EM Checked MT	Start 20/10/2010 End 20/10/2010	Equipment, Methods and Remarks TB125 mini digger Machine excavated trial pit.	Dimensions and Orientation Width 0.65 m Length 2.00 m 	Ground Level +3.76 mOD Coordinates E 646720.88 National Grid N 264576.70 Chainage
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Samples and Tests			Strata		Depth, Level (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
		20/10/2010	1 Brown fine to medium SAND with occasional roots and rootlets. (TOPSOIL)		0.05	+3.71		
			2 Orangish brown slightly silty slightly gravelly SAND with occasional roots and rootlets. Gravel is subangular fine to coarse of various lithologies including sandstone. (RECENT DEPOSITS)		(2.45)			
			EXPLORATORY HOLE ENDS AT 2.50 m		2.50	+1.26		

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 2.50 - TP terminated on clients instruction.	Stability Stable Shoring None Weather Cool, dry
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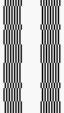
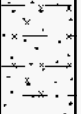
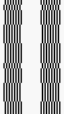
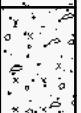
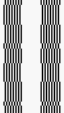
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:23:21	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TPN4 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged EM Checked MT	Start 12/10/2010 End 12/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 3.50 m Length 1.10 m 	Ground Level +1.49 mOD Coordinates E 647172.42 National Grid N 264271.93 Chainage
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Samples and Tests			Strata			
Depth	Type & No.	Date Records	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.10	D 1		1 Brown slightly silty fine to medium SAND with frequent rootlets. (MADE GROUND)	0.10 +1.39		
0.40	D 2		2 Orangish brown slightly silty slightly gravelly fine to medium SAND with rare rootlets. Gravel is subangular to subrounded fine to coarse of various lithologies including sandstone, quartzite and flint. (Maximum particle size present 50mm) (Possibly MADE GROUND)	(0.60)		
0.50-0.70	B 3	x2				
0.70	D 4		3 Firm grey slightly silty slightly sandy CLAY with occasional pockets of brown pseudo-fibrous peat and decaying plant debris. Occasional tree branches present 1.70m x 0.30m in size. (RECENT DEPOSITS)	0.70 +0.79		
0.70-1.20	B 5	x2				
1.30-1.60	B 7	x2	4 Light brown silty gravelly fine to coarse SAND with low cobble content.. Gravel is subangular to subrounded fine to coarse of flint and sandstone. Cobbles are subrounded of flint. (Maximum particle size present 80mm x 150mm x 40mm) (RECENT DEPOSITS)	1.20 +0.29		
1.60	D 6	12/10/2010		(0.40)		
1.60	W 8		EXPLORATORY HOLE ENDS AT 1.60 m	1.60 -0.11		

Depth	Type & No.	Records Date	Depth Related Remarks *	Stability
			From to (m) 1.60 Trial pit terminated due to running sand.	Unstable
Groundwater Entries				Shoring
No. Struck (m)	Post Strike Behaviour			None
1 0.70	Seepage			Weather
				Cool, dry, windy

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP 2009_14 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 15/10/2010 End 15/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.30 m 	Ground Level +4.03 mOD Coordinates E 647272.29 National Grid N 264568.32 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
0.10	D 1		1 Brown slightly silty slightly gravelly SAND with frequent rootlets. Gravel is subangular to subrounded fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)		0.20	+3.83		
0.30 0.30-0.70	D 2 B 3	x2	2 Orangish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (RECENT DEPOSITS)			(1.10)		
1.30 1.30-1.80	D 4 B 5	x2	3 Light yellowish brown slightly silty slightly gravelly SAND with cobble size pockets of reddish brown mica rich sand. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (RECENT DEPOSITS)		1.30	+2.73		
1.90 1.90-2.40	D 6 B 7	x2	4 Light orangish brown slightly silty slightly gravelly SAND with pockets of firm grey mottled brown slightly sandy clay. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (RECENT DEPOSITS)		1.90	+2.13		
3.10 3.10-3.60	D 8 B 9	x2	5 Orangish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (RECENT DEPOSITS)		3.10	+0.93		
		15/10/2010				(1.40)		
			EXPLORATORY HOLE ENDS AT 4.50 m		4.50	-0.48		

Groundwater Entries No. Struck Post Strike Behaviour (m) 1 3.10 Damp 2 4.30 Flow	Depth Related Remarks * From to (m)	Stability Good Shoring None Weather Sunny
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 15/10/2010 End 15/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 4.20 m 	Ground Level +6.00 mOD Coordinates E 647135.17 National Grid N 264697.19 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
0.10 0.10-0.20	D 1 B 2	x2	1 Dark brown slightly clayey slightly gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Possibly RECENT DEPOSITS)		0.20	+5.80		
0.30 0.30-0.50	D 3 B 4	x2	2 Brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (RECENT DEPOSITS)		0.50	+5.50		
0.70 0.80-1.40	D 5 B 6	x2	3 Brownish orange slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (RECENT DEPOSITS)		(1.20)			
1.70 1.70-1.80	D 7 B 8	x1	4 Grey with iron staining sandy SILT. (RECENT DEPOSITS)		1.70	+4.30		
2.10-2.60 2.10	B 10 D 9	x2	5 Light yellow orangish brown slightly silty slightly gravelly SAND with rare bands of cemented sand. Gravel is subangular fine to coarse of sandstone and flint. (Maximum particle size present 60mm) (RECENT DEPOSITS)		1.80	+4.20		
3.00	D 11				(2.70)			
4.00-4.50	B 12	x2						
		15/10/2010						
EXPLORATORY HOLE ENDS AT 4.50 m					4.50	+1.50		

Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m)	Stability Good Shoring None Weather Cloudy
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP 2009_16 Sheet 1 of 1
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Trial Pit Log



Soil Mechanics

Logged PM Checked MT	Start 15/10/2010 End 15/10/2010	Equipment, Methods and Remarks JCB 3CX Machine excavated trial pit.	Dimensions and Orientation Width 1.00 m Length 3.70 m 	Ground Level +3.56 mOD Coordinates E 646924.27 National Grid N 264545.57 Chainage
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Samples and Tests			Strata		Depth, Level/ (Thickness)		Legend	Backfill/ Instruments
Depth	Type & No.	Date Records	Description					
0.05	D 1		1 Dark brown slightly silty SAND with frequent roots and rootlets. (TOPSOIL)		0.10	+3.46		
0.20	D 2		2 Orangish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of various lithologies. (Maximum particle size present 60mm) (RECENT DEPOSITS)		(1.80)			
0.50-1.10	B 3	x2						
1.90	D 4		3 Light yellowish brown slightly silty slightly gravelly SAND. Gravel is subangular to subrounded fine to medium of sandstone and siltstone. (Maximum particle size present 20mm) (RECENT DEPOSITS)		1.90	+1.66		
1.90-2.40	B 5	x2			(0.70)			
2.60	D 6	15/10/2010	4 Orange brown slightly silty slightly gravelly SAND with cobble size pockets of grey sandy silt. Gravel is subangular to subrounded fine to medium of various lithologies. (Maximum particle size present 20mm) (RECENT DEPOSITS)		2.60	+0.96		
2.60-2.70	B 7	x2			2.70	+0.86		
			EXPLORATORY HOLE ENDS AT 2.70 m					

Depth Type & No. Records Date	Groundwater Entries No. Struck Post Strike Behaviour (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m) 2.70 Trial pit terminated due to collapse.	Stability Poor Shoring None Weather Sunny
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:25 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:24:37	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Trial Pit TP 2009_17 Sheet 1 of 1
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Borehole Log



Drilled MN	Start 19/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m	to 45.50m	Diameter 194mm	Casing Depth 45.50m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
Logged GA/ST	End 21/09/2010		45.50m	120.00m	146mm	116.00m	
Checked MT							

Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments	
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.00-0.40	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly silty slightly gravelly SAND with frequent roots and rootlets. Gravel is angular to subangular fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	(0.40)			
0.00-0.40	B 2					0.50 m black geotextile sheet	+1.95		
0.40-1.00	D 3					0.70 m black geotextile sheet	(1.55)		
0.40-1.00	B 4					1.20-1.50 m NO RECOVERY			
1.20-1.90	57 N/A	Flush: 1.20-5.50 CS 5 mud/water, 100 %			Greyish pink slightly sandy GRAVEL of angular to subangular fine to coarse granite and basalt. (MADE GROUND)	1.70 m black geotextile sheet	1.95	+0.40	
1.90-2.60	100 N/A					1.95-2.60 m PARTIAL CORE RECOVERY.			
2.60-3.30	0 N/A					Orangish brown and greenish brown slightly clayey slightly gravelly fine to medium sand with occasional fine to coarse gravel size shell fragments.			
3.30-3.70	100 N/A					Gravel is subangular medium to coarse of claystone and rare subrounded flint (MADE GROUND)			
3.30-4.00	0 N/A			19/08/2010 0.78		ZONE OF CORE LOSS. Foreman reports sandy gravelly fill. (Possibly MADE GROUND)			
4.00-4.75	21 N/A			20/08/2010 0800					
4.75-5.50	0 N/A			4.00					
5.50-6.25	15 N/A								
6.25-7.00	0 N/A								
7.00-7.75	0 N/A								
7.75-8.50	0 N/A	Flush: 5.50-11.50 mud/water, 50 %			Spongy becoming firm from 9.35m dark brown and dark reddish brown amorphous, locally pseudo-fibrous, PEAT with rare very soft grey silty clay bands. (RECENT DEPOSITS)				
8.50-9.00	0 N/A					Gravel is subangular to subrounded fine to coarse of claystone and flint (MADE GROUND)	9.00	-6.65	
9.00-10.00	100 N/A					4.59-4.75 m PARTIAL CORE RECOVERY.	(2.50)		
9.60-10.00	0 N/A					Orangish brown clayey slightly gravelly fine to medium sand			
10.00-10.75	0 N/A					Gravel is subrounded of flint (MADE GROUND)			
10.75-11.50	15 N/A			20/08/2010 10.50					
11.50-12.25	0 N/A			21/08/2010 0800		(Boundary uncertain) ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)	11.50	-9.15	
12.25-13.00	29 N/A			10.50					
13.00-13.75	27 N/A								
13.75-14.50	0 N/A								
14.75-15.25	73 N/A	CS 7			Grey and dark brown slightly gravelly fine to medium sand with occasional pockets of plastic dark brown amorphous peat. Gravel is subangular to subrounded fine to medium of flint				
14.50-15.25	0 N/A					6.14-6.25 m PARTIAL CORE RECOVERY.			
15.25-16.00	0 N/A					Orangish brown clayey slightly gravelly fine to medium sand.			
16.00-16.75	20 N/A					Gravel is subrounded of flint (MADE GROUND)			
16.75-17.50	0 N/A					9.19-9.23 m very soft grey silty clay horizon			
17.50-18.00	0 N/A					11.37-11.50 m PARTIAL CORE RECOVERY.			
18.00-18.50	36 N/A					Grey and dark brown slightly gravelly fine to medium sand with occasional pockets of plastic dark brown amorphous peat.			
18.50-19.00	0 N/A					Gravel is subangular to subrounded fine to medium of flint			
19.00-19.50	0 N/A								
19.50-20.00	0 N/A								

Groundwater Entries		Depth Related Remarks *		Chiselling	
No.	Struck Post strike behaviour (m)	Depth sealed (m)	From to (m)	Depths (m)	Time Tools used
None observed (see Key Sheet)			0.00 11.50 Geobor S long nose pilot bit used. 11.50 12.25 Geobor S short nose pilot bit used. 12.25 20.50 Geobor 7 step surface set bit used.		

Borehole Log



Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
19.50-20.50	0 N/A			21/08/2010 20.50	1.42 0800	(Boundary uncertain) ZONE OF CORE LOSS.	:: 11.37m - (RECENT DEPOSITS).			
20.50-21.25	N/A N/A			22/08/2010 20.50	0.23	Foreman reports sand. (Probably CRAG DEPOSITS)	:: 12.78m - 12.78-13.75 m PARTIAL CORE RECOVERY			
21.25-22.00	0 N/A N/A						Brown slightly clayey sand with frequent fine to medium gravel size shell fragments (CRAG DEPOSITS) ::	(22.50)		
22.00-22.75	0 N/A N/A						14.90-15.25 m PARTIAL CORE RECOVERY.			
22.75-23.50	0 N/A N/A						Dark grey slightly silty sand with occasional very thin soft grey silty clay laminae (CRAG DEPOSITS) ::			
23.50-24.25	0 N/A N/A						16.60-16.75 m PARTIAL CORE RECOVERY.			
24.25-25.00	0 N/A N/A						Dark grey slightly silty sand (CRAG DEPOSITS) ::			
25.00-25.75	0 N/A N/A						17.85-18.00 m PARTIAL CORE RECOVERY.			
25.75-26.50	0 N/A N/A						Dark grey slightly silty sand (CRAG DEPOSITS) ::			
26.50-27.25	11 N/A N/A						17.85-18.00 m PARTIAL CORE RECOVERY.			
27.25-28.00	0 N/A N/A						Dark grey slightly silty sand with frequent very thin silty clay laminae (CRAG DEPOSITS)			
28.00-28.75	0 N/A N/A						27.17-27.25 m PARTIAL CORE RECOVERY.			
28.75-29.50	0 N/A N/A						Grey sand with frequent fine to coarse gravel size shell fragments (CRAG DEPOSITS)			
29.50-30.25	0 N/A N/A			22/08/2010 30.25	0.68 0800		31.72-31.75 m PARTIAL CORE RECOVERY.			
30.25-31.00	0 N/A N/A			23/08/2010 30.25	0.93		Weak dark grey mudstone (CRAG DEPOSITS)			
31.00-31.75	4 N/A N/A						33.16-33.25 m PARTIAL CORE RECOVERY.			
31.75-32.50	0 N/A N/A						Grey sand with occasional fine to medium gravel size shell fragments (CRAG DEPOSITS)	34.00 -31.65 (0.75)		
32.50-33.25	12 N/A N/A						34.75 -32.40			
33.25-34.00	0 N/A N/A						ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)			
34.00-34.75	100 N/A N/A		CS 8							
34.75-35.50	0 N/A N/A									
35.50-36.25	0 N/A N/A									
36.25-37.00	0 N/A N/A									
37.00-37.75	0 N/A N/A									
37.75-38.50	0 N/A N/A									
38.50-39.25	0 N/A N/A									
39.25-40.00	0 N/A N/A									
Stratum continues to 45.65 m										

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 20.50 31.00 Geobor S PCD clam bit used. 31.00 43.00 Geobor S short nose pilot bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN	Start 19/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m	to 45.50m	Diameter 194mm	Casing Depth 45.50m	Ground Level +2.35 mOD
Logged GA/ST	End 21/09/2010		45.50m	120.00m	146mm	116.00m	Coordinates E 647219.71
Checked MT							National Grid N 263971.35

Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
40.00-40.75	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)	(10.90)		
40.75-41.50	0 N/A N/A								
41.50-42.25	0 N/A N/A								
42.25-43.00	0 N/A N/A								
43.00-43.75	0 N/A N/A								
43.75-44.50	9 N/A N/A								
44.50-46.00	21 N/A N/A		Flush: 11.50-79.80 mud/water, 100 %	23/08/2010 46.00	1.87 0800	44.43-44.50 m PARTIAL CORE RECOVERY. Grey fine to medium sand with rare fine to medium gravel size shell fragments (CRAG DEPOSITS)	45.65 -43.30		
46.50-46.55	63 N/A N/A		CS 10	24/08/2010	1.80	Stiff dark grey with dark blueish grey bands silty CLAY with occasional very thin silt laminae. (LONDON CLAY - A3ii)			
46.60-46.71	N/A		CS 11	46.00		46.00-46.45 m NO RECOVERY			
46.00-47.50	N/A		CS 9			46.50-46.55 m weak dark blueish grey mudstone horizon	(4.85)		
47.50-49.00	53 N/A N/A			24/08/2010	1.70	46.60-46.71 m weak dark grey mudstone horizon			
49.00-50.50	43 N/A N/A			01/09/2010	0.72	47.50-48.20 m NO RECOVERY			
49.00-49.85	N/A			49.00		49.00-49.85 m NO RECOVERY			
50.50-52.00	13 N/A N/A					ZONE OF CORE LOSS. Foreman reports clay with sand bands. (Probably LONDON CLAY)	50.50 -48.15		
50.50-52.00	N/A			01/09/2010	0.00	51.80-52.00 m PARTIAL CORE RECOVERY.			
52.00-53.50	12 N/A N/A			02/09/2010	0.28	Very stiff dark grey clay (LONDON CLAY - A3ii)			
53.50-54.25	0 N/A N/A					53.32-53.50 m PARTIAL CORE RECOVERY.			
54.25-55.00	0 N/A N/A					Medium strong dark blueish grey siltstone.	(7.50)		
55.00-56.00	0 N/A N/A								
56.00-56.50	0 N/A N/A								
56.50-57.00	0 N/A N/A								
57.00-58.00	5 N/A N/A			02/09/2010	0.20				
58.00-58.36	0 N/A N/A		SPT S 50 (12,13/18,16,16 for 60mm)	03/09/2010	0800	57.85-58.00 m PARTIAL CORE RECOVERY.	58.00 -55.65		
58.00-58.75	0 N/A N/A		CS 12	58.00	0.20	(Boundary uncertain) ZONE OF CORE LOSS. Foreman reports fine soft sand. (probably LAMBETH GROUP - SAND)			
58.75-59.50	0 N/A N/A					Very soft dark brownish grey silty slightly sandy slightly gravelly clay. Gravel is subrounded fine			
59.50-59.73	0 N/A N/A		SPT S 7 (6,4/4,3 for 2mm)	59.50	0.20				
59.50			CS 13						
Stratum continues to 62.50 m									

Groundwater Entries			Depth Related Remarks *			Chiselling		
No.	Struck	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)				43.00	49.00			Geobor S PCD clam bit used.
				49.00	65.50			Geobor S 7 step surface set bit used.
				58.00	67.50			Foreman reports blowing sand.

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole
Scale 1:100	Project No.	A0012-10	CBH 2009_1
(c) Soil Mechanics www.soil-mechanics.com	Carried out for	NNB Generation Company Limited	Sheet 3 of 6

Borehole Log



Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 120.00m 146mm 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests				Strata					
Depth	TCR SCR RQD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
59.50-61.00	0 N/A N/A		SPT S N=21 (10,10/9,6,4,2) CS 13a	61.00	0.20	(Boundary uncertain) ZONE OF CORE LOSS. Foreman reports fine soft sand. (probably LAMBETH GROUP - SAND)	(4.50)		
61.00-61.45 61.00	7 N/A N/A			03/09/2010	0.00	61.00 m Dark brownish grey very clayey slightly gravelly fine to medium sand. Gravel is rounded medium			
61.00-62.50	43 N/A N/A		CS 22	02.56	0800	Brownish grey clayey slightly gravelly fine to medium SAND. Gravel is rounded medium to coarse of flint. (LAMBETH GROUP - SAND)	62.50	-60.15	
62.50-64.00	100 N/A N/A			04/09/2010	0.20		PARTIAL CORE RECOVERY. Slightly clayey sandy gravel of angular coarse siltstone		
64.20-64.80 64.00-64.75	0 N/A N/A		CS 14	04/09/2010	0.00	frequent thin laminae of firm to stiff blueish grey silty clay (LAMBETH GROUP - CLAY)	64.65-64.75 m	(5.00)	
64.75-65.50	40 N/A N/A			06/09/2010	1.80		NO RECOVERY		
65.50-67.00 66.35-66.75	100 N/A N/A		CS 15	06/09/2010	0.00	Stiff dark grey and dark brownish grey thinly laminated extremely closely fissured CLAY with frequent grey and light grey silt laminae. (LAMBETH GROUP - CLAY)	67.74	-65.15	
67.00-67.74	99 N/A N/A			08/09/2010	1.00		70.00-71.20 m NO RECOVERY		
67.74-68.50	83 N/A N/A		CS 16	08/09/2010	0.00	Very stiff black and dark grey silty lignitic CLAY with occasional fine to medium lignite fragments. (LAMBETH GROUP - CLAY)	67.74	(0.70)	
67.74-68.50	20 N/A N/A			09/09/2010	0.00		20x10x2mm in size NO RECOVERY	68.20	-65.85
68.75-69.20	0 N/A N/A		TCR 100, SCR NR, RQD NR	09/09/2010	0.00	Stiff to very stiff greyish green mottled red and light brown silty CLAY locally tending to clayey silt. (LAMBETH GROUP - CLAY)	68.50	(0.30)	
68.50-70.00	83 N/A N/A			13/09/2010	0.30		68.50-68.75 m NO RECOVERY	68.50	-66.15
70.00-71.50	51 N/A N/A		CS 16	13/09/2010	0.00	Very stiff dark grey thinly laminated CLAY, locally tending to extremely weak mudstone with occasional silt linings and rare dark green glauconite staining. (LAMBETH GROUP - CLAY)	71.20-73.00 m	(4.50)	
71.50-73.00	100 N/A N/A			14/09/2010	0.30		71.50-72.26 m NO RECOVERY		
73.00-73.75	49 N/A N/A		CS 16	14/09/2010	0.00	73.75-74.15 m NO RECOVERY 74.15-74.25 m vertical planar smooth clean shear surface	73.00	-70.65	
73.75-74.50	100 N/A N/A			15/09/2010	0.30		75.15-75.24 m subvertical planar smooth clean shear surface		
74.50-74.80	0 N/A N/A		CS 16	15/09/2010	0.00	75.75-76.00 m Occasional glauconite pockets less than 40mm in thickness 76.00-76.15 m NO RECOVERY 76.45-76.70 m subvertical to vertical planar smooth clean shear surface	75.75-76.00 m	(8.85)	
75.24-75.64 74.80-76.00	88 N/A N/A			15/09/2010	0.30		77.25-79.00 m NO RECOVERY.		
76.00-77.25	0 N/A N/A		CS 16	14/09/2010	0.00	77.25-79.00 m NO RECOVERY.			
77.25-78.60	0 N/A N/A			15/09/2010	0.30				
78.60-79.00	0 N/A N/A		CS 16	15/09/2010	0.00				
79.00-79.80	100 N/A N/A			15/09/2010	0.30				
Stratum continues to 81.85 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 65.50 120.00 Geobor S PCD clam bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
80.10-80.50	100		CS 17			Very stiff dark grey thinly laminated CLAY, locally tending to extremely weak mudstone with occasional silt linings and rare dark green glauconite staining. (LAMBETH GROUP - CLAY)				
79.80-80.50	N/A									
80.50-82.00	10 N/A					Hard thinly laminated dark reddish brown CLAY. (LAMBETH GROUP - CLAY)	81.85 -79.50			
82.00-83.50	0 N/A						(2.90)			
83.50-84.75	56 N/A		CS 18			(Boundary uncertain) ZONE OF CORE LOSS. Foreman reports grey SILT. (Probably CHALK)	84.75 -82.40			
84.35-84.75	N/A						(4.75)			
84.75-85.00	0		TCR 0, SCR 0, RQD 0			ZONE OF CORE LOSS. Foreman reports putty chalk. (Probably CHALK)	89.50 -87.15			
85.00-85.75	0									
85.75-86.50	0									
86.50-87.25	0									
87.25-88.00	0									
88.00-88.75	0									
88.75-89.50	0									
89.50-90.25	0									
90.25-91.00	0			15/09/2010	0.00					
				16/09/2010	0800					
				16/09/2010	0800					
				91.00	1.20					
91.00-92.50	0									
92.50-93.25	0									
93.25-94.00	0									
94.00-94.75	0									
94.75-95.50	0									
95.50	0		D 19			95.50 m friable greenish grey gravelly clay. Gravel is angular to subrounded fine to medium of flint and chalk				
95.50-96.25	0									
96.25-97.00	0									
97.00-97.75	0									
97.75-98.50	0									
98.50-99.25	0									
99.25-100.00	0									
			Flush: 79.80-120.00 mud/water 80%							
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 120.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged GA/ST Checked MT	Start 19/08/2010 End 21/09/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold).	Depth from 0.00m to 45.50m Diameter 194mm Casing Depth 45.50m 116.00m	Ground Level +2.35 mOD Coordinates E 647219.71 National Grid N 263971.35 Chainage
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Samples and Tests				Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)			
100.00-100.75	0 0 0			16/09/2010 100.75	4.60 0800	ZONE OF CORE LOSS. Foreman reports putty chalk. (Probably CHALK)			
100.75-101.50	0 0 0			17/09/2010 100.75	0.50				
101.50-102.25	0 0 0								
102.25-103.00	0 0 0								
103.00	0 0 0		D 20						
103.00-103.75	0 0 0					103.00 m light grey sandy silt. Sand is fine (probably chalk)			
103.75-104.50	0 0 0								
104.50-106.00	0 0 0						(30.50)		
106.00-106.75	0 0 0								
106.75-107.50	0 0 0								
107.50-108.25	0 0 0								
108.25-109.00	0 0 0								
109.00-110.50	0 0 0			17/09/2010 110.00	0.50 0800				
110.50-112.00	0 0 0		D 21	18/09/2010 110.00	0.50				
112.00	0 0 0					112.00 m very soft white gravelly clay. Gravel is angular to rounded fine to medium of flint (probably chalk)			
112.00-113.50	0 0 0								
113.50-114.25	0 0 0								
114.25-115.00	0 0 0								
115.00-115.75	0 0 0								
115.75-116.50	0 0 0			18/09/2010 116.00	0.00 0800				
116.50-118.00	0 0 0			21/09/2010 116.00	0.75				
118.00-119.50	0 0 0								
119.50-120.00	0 0 0			21/09/2010	0.00				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	EXPLORATORY HOLE ENDS AT 120.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC Logged ST Checked MT	Start 02/10/2010 End 02/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 1.35m Diameter 200mm Casing Depth	Ground Level +2.36 mOD Coordinates E 647216.15 National Grid N 263968.28 Chainage						
Samples and Tests			Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.10 0.10-0.60 0.45 0.60	D 1 B 2 W 4 D 3	0.00-1.20 m Hand excavated inspection pit.	02/10/2010		Orangish brown slightly gravelly fine to coarse SAND with frequent rootlets. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (MADE GROUND) Purple sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including sandstone and granite. Sand is fine to coarse. (MADE GROUND) EXPLORATORY HOLE ENDS AT 1.35 m	0.30 ^(0.30) +2.06 (1.05) 1.35 +1.01				
Depth	Type & No	Records	Date Casing	Time Water						
Groundwater Entries					Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Remarks		Depths (m)	Time	Tools used
1	0.45	Rose to 0.40 m after 20 minutes.	-	1.35		Borehole terminated due to concrete obstruction.		1.20 -1.30	90 mins	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole CBH 2009_1U Sheet 1 of 1		
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:28:12										

Borehole Log



Drilled DC Logged EM/SS Checked MT	Start 03/10/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 27.60m Diameter 250mm Casing Depth 9.60m 27.60m 200mm 150mm	Ground Level +2.54 mOD Coordinates E 647213.63 National Grid N 263960.15 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.10	D 1	* 0.00-1.20 m Hand excavated inspection pit.			Orangish brown silty, locally very silty SAND with occasional fine to medium gravel size shell fragments. (MADE GROUND)				
0.80	D 2								
1.20-1.65	U 3	40 blows 390 mm rec	1.20	dry		(2.35)			
1.65-1.85	D 4								
1.90-2.35	U 5	20 blows 360 mm rec	1.90	0.50					
2.35-3.55	D 6				Orangish brown silty slightly gravelly SAND with low cobble content and occasional fine to medium gravel size shell fragments. Gravel is angular to subangular fine to coarse of flint. Cobbles are subangular of flint. (MADE GROUND)	2.35 +0.19			
2.60-2.80	U NR	100 blows No recovery	2.60	1.50		(0.65)			
2.60-3.10	B 7					3.00 -0.46			
3.10-3.55	U 8	25 blows 250 mm rec	3.00	2.10		(1.25)			
3.55-3.75	D 9				Orangish brown silty, locally very silty SAND with occasional fine to medium gravel size shell fragments. (MADE GROUND)	4.25 -1.71			
3.80-4.25	U 10	70 blows 150 mm rec	3.80	0.00		(1.65)			
3.80-4.50	B 12								
4.25-4.45	D 11				Orangish brown silty, locally very silty SAND with occasional fine to medium gravel size shell fragments. (MADE GROUND)	5.90 -3.36			
4.50-4.95	U NR	75 blows No recovery	4.50	0.00		(4.10)			
4.50-5.20	B 13								
5.20-5.90	B 14	35 blows No recovery	5.20	0.00	Orangish brown silty, locally very silty, gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subangular fine to coarse of flint. (MADE GROUND)				
5.25-5.65	U NR								
5.90-6.35	U 15	6 blows 400 mm rec	5.90	3.50					
6.35-6.55	D 16				Firm, locally spongy, dark brown clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)				
6.60-7.05	U 17	7 blows	6.50	4.80		(4.10)			
7.05-7.25	D 18				Greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
7.30-7.75	U 19	6 blows	6.70	dry					
7.75-7.95	D 20								
8.00-8.45	U 21	7 blows	6.70	dry					
8.45-8.65	D 22				Stratum continues to 45.30 m				
8.70-9.15	U 23	8 blows 400 mm rec	6.70	dry					
9.15-9.35	D 24								
9.40-9.85	U 25	8 blows	6.70	dry					
9.85-10.05	D 26								
10.10-10.55	U 27	15 blows 400 mm rec	10.10	dry					
10.55-10.75	D 28								
10.80-11.25	U 29	20 blows 350 mm rec	10.80	0.00					
11.25-11.45	D 30		03/10/2010	0.00					
11.50-11.95	U 31	* 30 blows	11.45	0.00					
11.95-12.15	D 32		11.50	0800					
12.20-12.65	U 33	40 blows 360 mm rec	04/10/2010	3.50					
12.65-12.85	D 34		11.45	0.00					
12.90-13.35	U 35	40 blows 400 mm rec	12.90	0.00					
13.35-13.55	D 36								
13.60-14.05	U 37	40 blows 290 mm rec	13.60	0.00					
14.05-14.25	D 38								
14.30-14.75	U 39	40 blows 410 mm rec	14.30	0.00					
14.75-14.95	D 40								
15.00-15.45	U 41	45 blows 300 mm rec	15.00	0.00					
15.45-15.65	D 42								
15.70-16.15	U 43	50 blows 420 mm rec	15.70	0.00					
16.15-16.35	D 44								
16.40-16.85	U 45	50 blows	16.40	0.00					
16.85-17.05	D 46								
17.10-17.55	U 47	50 blows	17.10	0.00					
17.55-17.75	D 48								
17.80-18.25	U 49	50 blows	17.80	0.00					
18.25	D 50								
18.50-18.95	U 51	40 blows	18.50	0.00					
18.95-19.15	D 52								
19.20-19.65	U 53	35 blows 400 mm rec	19.20	0.00					
19.65-19.85	D 54								
19.90-20.35	U 55	32 blows 420 mm rec	19.90	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.30 m				

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From (m)	to (m)	Depths (m)	Time	Tools used
1	10.00	Rose to 3.40 m after 20 minutes.	-	0.00	47.15	2.60 -3.00	60 mins	2 No. U100 Hammer weights used. Water added to assist boring. Water added to assist boring.

Borehole Log



Drilled DC Logged EM/SS Checked MT	Start 03/10/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 27.60m Diameter 250mm Casing Depth 9.60m 200mm 150mm	Ground Level +2.54 mOD Coordinates E 647213.63 National Grid N 263960.15 Chainage
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Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments				
20.35-20.55 20.60-21.05 20.60-21.30	D 56 U NR B 57	40 blows No recovery	20.60	0.00	Greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(35.30)						
21.30-21.75	U 58	40 blows 350 mm rec	21.30	0.00								
21.75-21.95 22.00-22.45	D 59 U 60	45 blows 250 mm rec	22.00	0.00								
22.45-22.65 22.70-23.15	D 61 U 62	40 blows 410 mm rec	22.70	0.00								
23.15-23.35 23.40-23.85 23.40-24.10	D 63 U NR B 64	42 blows No recovery	23.40	0.00								
24.10-24.55	U 65	40 blows 310 mm rec	24.10	0.00								
24.55-24.75 24.80-25.50 24.80-25.25	D 66 B 67 U NR	55 blows No recovery	04/10/2010 24.10 24.80 05/10/2010 24.10 25.50	0.00 0800 0.00								
25.50-25.95 25.50-26.20	U NR B 68	50 blows No recovery	24.10 25.50	0.00								
26.20-26.65 26.20-26.90	U NR B 69	50 blows No recovery	26.20	0.00								
26.90-27.35	U 70	50 blows 410 mm rec	26.90	0.00								
27.35-27.55 27.60-28.05	D 71 U 72	50 blows 220 mm rec	27.60	0.00								
28.05-28.25 28.30-28.75	D 73 U 74	50 blows 280 mm rec	28.30	0.00								
28.75-28.95 29.00-29.45	D 75 U 76	60 blows 250 mm rec	29.00	0.00								
29.45-29.65 29.70-30.15	D 77 U 78	60 blows 260 mm rec	29.70	0.00								
30.15-30.35 30.40-30.85	D 79 U 80	70 blows 360 mm rec	30.40	0.00								
30.85-31.05 31.10-31.55	D 81 U 82	60 blows 400 mm rec	31.10	0.00								
31.55-31.75 31.80-32.25 31.80-32.50	D 83 U NR B 84	60 blows No recovery	31.80	0.00								
32.50-32.95	U 85	75 blows 230 mm rec	32.50	0.00								
32.95-33.15 33.20-33.65 33.20-33.90	D 86 U NR B 87	55 blows No recovery	33.20	0.00								
33.90-34.35 33.90-34.60	U NR B 88	50 blows No recovery	33.90	0.00								
34.60-35.05	U 89	65 blows 260 mm rec	34.60	0.00								
35.05-35.25 35.30-35.75	D 90 U 91	60 blows 240 mm rec	35.30	0.00								
35.75-35.95 36.00-36.70 36.00-36.45	D 92 B 93 U NR	100 blows No recovery	05/10/2010 35.30 36.00 06/10/2010 35.30 36.70	-0.20 0.00 0800 0.00								
36.70-37.15	U 94	70 blows 350 mm rec	36.70	0.00								
37.15-37.35 37.40-37.85	D 95 U 96	65 blows 360 mm rec	37.40	0.00								
37.85-38.05 38.10-38.55	D 97 U 98	70 blows 270 mm rec	38.10	0.00								
38.55-38.75 38.80-39.25	D 99 U 100	80 blows 400 mm rec	38.80	0.00								
39.25-39.45 39.50-39.95 39.50-40.20	D 101 U NR B 102	75 blows No recovery	39.50	0.00								
Depth	Type & No	Records	Date Casing	Time Water					Stratum continues to 45.30 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC Logged EM/SS Checked MT		Start 03/10/2010 End 07/10/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m 9.60m 27.60m		to 9.60m 27.60m 47.15m		Diameter 250mm 200mm 150mm		Casing Depth 9.60m 27.60m 47.15m		Ground Level +2.54 mOD Coordinates E 647213.63 National Grid N 263960.15 Chainage	
Samples and Tests					Strata										
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)		Depth, Level (Thickness)	Legend	Backfill/ Instruments						
40.20-40.65	U 103	80 blows 270 mm rec	40.20	0.00	Greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)										
40.65-40.85	D 104														
40.90-41.35	U NR	80 blows No recovery	40.90	0.00											
40.90-41.60	B 105														
41.60-42.05	U 106	75 blows 310 mm rec	41.60	0.00											
42.05-42.25	D 107														
42.30-42.75	U 108	65 blows 250 mm rec	42.30	0.00											
42.75-42.95	D 109														
43.00-43.45	U NR	75 blows No recovery	43.00	0.00											
43.00-43.70	B 110														
43.70-44.15	U 111	75 blows 400 mm rec	43.70	0.00	Very stiff brown slightly sandy CLAY. (LONDON CLAY A3ii)										
44.15-44.35	D 112														
44.40-44.85	U NR	70 blows No recovery	44.40	0.00											
44.40-45.10	B 113														
45.10-45.55	U 114	60 blows 350 mm rec	45.10	0.00											
45.55-45.75	D 115														
45.80-46.25	U 116	50 blows	45.50	6.30											
46.25-46.45	D 117														
46.50-46.95	U 118	50 blows 290 mm rec	45.50	8.90											
46.95-47.15	D 119		06/10/2010 45.50	9.20											
					EXPLORATORY HOLE ENDS AT 47.15 m					47.15	-44.61				
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *		Chiselling						
					No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole CBH 2009_1UA Sheet 3 of 3					

Borehole Log



Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 200mm 46.40m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
		0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.49 (0.50)		
1.20-2.90	3 N/A N/A				Yellowish brown slightly silty slightly gravelly fine to coarse SAND. Gravel is angular to subrounded fine to medium of mixed lithologies including flint with occasional fine to medium gravel size shell fragments. (MADE GROUND)	0.60 +0.99 (0.60)		
2.90-4.40	0 N/A N/A	Flush: 1.20-7.40 Mud, 100 %			Grey, locally dark grey, silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint, concrete, brick and stainless steel. (MADE GROUND)	1.20 +0.39 (5.85)		
4.40-5.90	13 N/A N/A				ZONE OF CORE LOSS. Foreman reports soft sand and clay. (Probably MADE GROUND)			
5.90-7.40	23 N/A N/A				5.70-5.90 m yellowish brown clay with fragments of brick and cardboard recovered			
7.05-7.40	23 N/A N/A		CS 5	21/07/2010 0.00 7.40 0800 22/07/2010 0800 7.40 1.50	ZONE OF CORE LOSS. Foreman reports clay and peat. Stratum base depth uncertain. (Probably RECENT DEPOSITS)	7.05 -5.46		
7.40-8.90	23 N/A N/A	Flush: 7.40-8.90 Mud, 0 %			8.55-8.63 m PARTIAL CORE RECOVERY. Very soft greenish grey clay with			
8.90-9.65	27 N/A N/A				locally pseudo-fibrous PEAT with rare pockets of very soft greenish grey clay. Slight organic odour. (RECENT DEPOSITS)	(4.85)		
9.65-10.40	0 N/A N/A				occasional plant material.			
10.40-11.15	0 N/A N/A				8.63-8.90 m PARTIAL CORE RECOVERY. Plastic, locally firm, dark brown and black slightly clayey amorphous, locally pseudo-fibrous PEAT with rare pockets of very soft greenish grey clay. Slight organic odour. (RECENT DEPOSITS)			
11.15-11.90	0 N/A N/A				9.45-9.65 m concrete and brick, probable cavings			
11.90-12.65	0 N/A N/A				14.60-14.90 m PARTIAL CORE RECOVERY. Grey, locally brownish grey, fine to coarse SAND with frequent fine gravel size shell fragments and occasional greenish grey clayey sand bands (CRAG DEPOSITS)	11.90 -10.31		
12.65-13.40	0 N/A N/A				Stratum boundary uncertain. (Probably CRAG DEPOSITS)			
13.40-14.15	0 N/A N/A							
14.15-14.90	40 N/A N/A							
14.60-14.90	91 N/A N/A		CS 6					
14.90-15.65	0 N/A N/A							
15.65-16.40	0 N/A N/A							
16.40-17.15	49 N/A N/A							
16.78-17.15	0 N/A N/A		CS 7					
17.15-17.90	0 N/A N/A							
17.90-19.40	17 N/A N/A							
19.40-20.15	0 N/A N/A			22/07/2010 0.30 19.40 0800 23/07/2010 0.50 19.40				
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 30.20 m		

Groundwater Entries No. Struck (m) Post strike behaviour 1 1.10 -			Depth sealed (m) -	Depth Related Remarks * From to (m) 1.20 46.40 Geobor S extended pilot bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled JS	Start 21/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m	to 9.00m	Diameter 250mm	Casing Depth 9.00m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
Logged ST/GA	End 22/08/2010		9.00m	46.40m	200mm	46.40m	
Checked MT			46.40m	122.90m	146mm	122.90m	

Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.15-20.90	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand. Stratum boundary uncertain. (Probably CRAG DEPOSITS)	(18.30)		
20.90-21.65	33 N/A N/A		CS 8						
21.40-21.65									
21.65-22.40	0 N/A N/A								
22.40-23.15	0 N/A N/A								
23.15-23.90	0 N/A N/A								
24.10-24.50	100 N/A N/A		CS 9						
23.90-24.65									
24.65-25.40	93 N/A N/A			23/07/2010 0.45 25.40 26/07/2010 0800 25.40 0.00					
25.40-26.90	67 N/A N/A		CS 13						
26.25-26.40			CS 10						
26.50-26.90									
26.90-28.40	11 N/A N/A								
28.40-29.15	20 N/A N/A								
29.15-29.90	0 N/A N/A								
30.20-30.65	60 N/A N/A		CS 11						
29.90-30.65									
30.65-31.40	67 N/A N/A								
31.40-32.15	87 N/A N/A								
32.15-32.90	37 N/A N/A								
32.90-33.65	20 N/A N/A								
33.65-34.40	13 N/A N/A								
34.40-35.15	0 N/A N/A								
35.45-35.90	60 N/A N/A		CS 12						
35.15-35.90									
35.90-36.65	45 N/A N/A								
36.65-37.40	100 N/A N/A								
37.40-38.15	84 N/A N/A								
38.15-38.90	80 N/A N/A			26/07/2010 1.25 38.90					
39.25-39.65	100 N/A N/A		CS 14	27/07/2010 0800 38.90 2.50					
38.90-39.65									
						Stratum continues to 43.40 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Borehole Log



Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.00m 46.40m 200mm 46.40m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata				
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
39.65-40.40	0 N/A		Flush: 8.90-71.90 Mud, 100 %			Grey fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional greenish grey clayey bands. (CRAG DEPOSITS)	: 32.90m - NO RECOVERY			
40.40-41.15	N/A									
41.15-41.90	48 N/A		CS 15			Very stiff locally stiff dark brownish greenish grey and grey slightly clayey fine to coarse sand blueish grey claystone and occasional silt laminae. (London CLAY, A3ii)	41.15-41.54 m NO RECOVERY			
41.90-42.65	32 N/A									
42.65-43.40	27 N/A									
43.40-43.80	100 N/A									
43.40-44.15	100 N/A									
44.15-44.90	100 N/A									
44.90-46.40	100 N/A									
46.40-47.90	10 N/A									
47.90-48.65	0 N/A									
48.65-49.40	20 N/A									
49.75-50.15	53 N/A		CS 16			Very stiff dark greyish brown thinly laminated, extremely closely fissured CLAY with occasional very thin silty laminations. Locally grading to silty clay. (London CLAY, A2)	49.25-49.40 m NI of very weak dark blueish grey claystone (<30mm)			
49.40-50.15	100 N/A									
50.20-50.30	100 N/A		CS 19			Very stiff dark greyish brown thinly laminated, extremely closely fissured CLAY with occasional very thin silty laminations. Locally grading to silty clay. (London CLAY, A2)	49.40-49.75 m NO RECOVERY (claystones)			
50.15-50.90	100 N/A									
50.90-52.40	100 N/A		CS 17			Very stiff dark greyish brown thinly laminated, extremely closely fissured CLAY with occasional very thin silty laminations. Locally grading to silty clay. (London CLAY, A2)	50.25-50.33 m medium strong dark blueish grey claystone			
51.80-52.20	100 N/A									
52.40-53.90	97 N/A		CS 18			Stiff, locally very stiff light brownish grey mottled grey silty CLAY. (London CLAY, A1)	50.47 m dark grey silty lamina 50.60-50.62 m dark grey silty sand 50.65-50.90 m planar, smooth, clean shear surface 51.59-51.62 m extremely weak dark blueish grey claystone 52.34 m lignite nodule (11x8x5mm in size)	51.90 -50.31		
53.90-54.30	100 N/A									
54.80-55.20	100 N/A		CS 18			Stiff, locally firm, greyish brown mottled grey thinly laminated silty CLAY interlaminated with occasional clay bands. Occasional cross lamination structures visible. (LAMBETH GROUP - CLAY)	52.35 m dark grey silt lamination (less than 3mm in thickness) 52.40-52.45 m NO RECOVERY	55.95 -54.36		
54.30-55.40	100 N/A									
55.40-56.90	100 N/A		CS 20			Stiff, locally firm, greyish brown mottled grey thinly laminated silty CLAY interlaminated with occasional clay bands. Occasional cross lamination structures visible. (LAMBETH GROUP - CLAY)	52.71 m lignite nodule (9x6x4mm in size) 52.77 m extremely weak dark grey claystone 52.85-53.70 m becoming silty clay 53.80 m silt lamina 53.90 m lignite	56.90 -55.31		
56.90-58.40	63 N/A									
58.50-58.90	100 N/A		CS 20			Stiff, locally firm, greyish brown mottled grey thinly laminated silty CLAY interlaminated with occasional clay bands. Occasional cross lamination structures visible. (LAMBETH GROUP - CLAY)	52.71 m lignite nodule (9x6x4mm in size) 52.77 m extremely weak dark grey claystone 52.85-53.70 m becoming silty clay 53.80 m silt lamina 53.90 m lignite	58.90 -59.90		
58.40-58.90	100 N/A									
58.90-59.90	100 N/A		CS 20							
59.90-61.50						Stratum continues to 61.50 m				

Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m) 46.40 122.90 Geobor S clam bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 200mm 46.40m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
59.90-61.40	63 N/A N/A					Stiff, locally firm, greyish brown mottled grey thinly laminated silty CLAY interlaminated with occasional clay bands. Occasional cross lamination structures visible. (LAMBETH GROUP - CLAY)	53.90m - nodule (20x6x5mm in size)		
61.75-62.15 61.40-62.15	100 N/A N/A		CS 21			Very stiff, locally stiff, thinly laminated brownish grey occasionally mottled blueish grey extremely closely fissured CLAY. (LAMBETH GROUP - CLAY)	61.86 m light grey silt lamina (less than 3mm in thickness)	61.50 -59.91	
62.15-62.90	100 N/A N/A						62.70-62.90 m few nodules of lignite	62.90 -61.31	
62.90-64.40	60 N/A N/A					Light grey thinly laminated slightly silty fine to medium SAND with few very thin horizons of lignite. (LAMBETH GROUP - SAND)	62.90-63.50 m NO RECOVERY 63.77 m lignite horizon (less than 3mm in thickness)	(3.00)	
65.10-65.50 64.40-65.90	73 N/A N/A		CS 22			ZONE OF CORE LOSS. Foreman reports soft grey sand. (Probably LAMBETH GROUP - SAND)	64.40-64.80 m NO RECOVERY	65.90 -64.31	
65.90-66.65	0 N/A N/A						65.60 m lignite horizon (less than 2mm in thickness)		
66.65-67.40	32 N/A N/A					Light grey thinly laminated slightly silty fine to medium SAND with few very thin horizons of lignite. (LAMBETH GROUP - SAND)	67.16-67.40 m PARTIAL CORE RECOVERY.	(3.25)	
67.40-68.15	17 N/A N/A						Light grey thinly laminated slightly silty fine to medium sand		
68.15-68.90	0 N/A N/A						68.02-68.15 m PARTIAL CORE RECOVERY.	69.15 -67.56	
68.90-69.65	67 N/A N/A					Light grey thinly laminated slightly silty fine to medium SAND with few very thin horizons of lignite. (LAMBETH GROUP - SAND)	69.50 m few pockets of greenish grey silty clay (less than 12mm in size)	(3.00)	
69.65-70.40	100 N/A N/A		CS 23	02/08/2010 1.90 70.40 0800 03/08/2010 1.90 70.40			70.40 m few nodules of lignite (less than 2mm in size)	72.15 -70.56	
71.90-73.40	100 N/A N/A		Flush: 71.90-73.40 Mud, 50 %			Very stiff dark grey thinly laminated extremely closely fissured CLAY, locally tending to extremely weak mudstone. Occasional greyish green medium to coarse gravel size glauconite nodules. (LAMBETH GROUP - CLAY)	72.65-72.85 m pockets of white fine sand (less than 30mm in size)		
74.00-74.40 73.40-74.90	100 N/A N/A		Flush: 73.40-74.90 Mud, 70 %				73.45 m white fine sand pocket (less than 35mm in size)		
74.90-76.40	53 N/A N/A		Flush: 74.90-76.40 Mud, 80 %				73.90-74.00 m 1 No. 40-50 deg planar, smooth, clean fracture	(8.85)	
77.10-77.50 76.40-77.90	100 N/A N/A						74.90-76.40 m becoming silty		
77.90-79.40	100 N/A N/A		Flush: 76.40-80.90 Mud, 90 %			76.60-76.85 m planar, smooth, clean vertical fracture			
						76.85-77.10 m becoming silty			
						78.05-78.25 m planar, smooth, clean, vertical fracture			
						78.35-78.60 m becoming silty			
						79.40-79.82 m NO RECOVERY			
						79.82-80.75 m			

Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log



Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 9.00m 46.40m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)				
79.40-80.90 80.20-80.60	73 N/A N/A		CS 26	03/08/2010 06-99 04/08/2010 0800 80.90	3.50 3.10	Very stiff dark grey thinly laminated extremely closely fissured CLAY, locally tending to extremely weak mudstone. Occasional greyish green medium to coarse gravel size glauconite nodules. (LAMBETH GROUP - CLAY)	becoming reddish brown with occasional silt lamina (less than 2mm in thickness)	81.00 -79.41		
80.90-82.40	100 83 83					Extremely weak to very weak low density white with frequent grey patches up to 40mm, CHALK. Fractures are very closely to medium spaced, undulose, rough, clean. (Occasional flint gravel up to 20mm in size) (WHITE CHALK GRADE C2)	81.90 m fossil 38mm in size 82.40-82.65 m AZCL			
82.40-83.90 83.20-83.60	83 77 73	70 240 340	CS 27							
83.90-85.40	100 79 52									
85.40-86.90	13 6 0						85.30-85.40 m Drilling induced non-intact 85.40 m extremely weak, low density 85.40-86.70 m AZCL			
86.90-87.65	0 N/A N/A	NI 70 90				Flush: 80.90-93.65 Mud, 80 %	86.70-86.81 m drilling induced non-intact			
87.65-88.40 88.05-88.40	47 N/A N/A		CS 28				88.40-89.40 m AZCL			
88.40-89.90	33 10 0						89.40-89.59 m coarse gravel sized partially rinded to rinded flint with NI chalk matrix			
89.90-90.65	91 81 81						89.58-90.65 m AZCL			
90.65-91.40	0 N/A N/A						90.54-90.58 m drilling induced non-intact	(20.40)		
91.40-92.15	0 N/A N/A						92.15-92.60 m AZCL			
92.15-92.90	40 5 0						92.60 m partially rinded flint			
92.90-93.65 93.35-93.65	59 17 17		CS 29				92.66-92.74 m drilling induced non-intact			
93.65-94.40	100 93 75						92.75 m partially rinded flint cobble			
94.80-95.20 94.40-95.90	100 41 0	50 200 360	CS 30				93.34-93.65 m AZCL			
95.90-97.40	23 0 0						95.90-96.01 m core overdrill 96.01-96.24 m drilling induced non-intact			
97.40-98.15	0 N/A N/A						98.15-98.70 m AZCL			
98.15-98.90	27 N/A N/A						98.70-98.83 m drilling induced non-intact with coarse gravel size partially rinded flint			
98.90-100.40 99.90-100.30	84 10 0		CS 31							
Stratum continues to 101.40 m										

Groundwater Entries	Chiselling
No. Struck (m)	Depths (m)
Post strike behaviour	Time
Depth sealed (m)	Tools used
Depth Related Remarks *	
From to (m)	

Borehole Log



Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m 9.00m 46.40m	Diameter 250mm 200mm 146mm	Casing Depth 9.00m 46.40m 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
100.40-101.90	29 N/A N/A			04/08/2010 100.40 05/08/2010 100.40	2.90 0800 2.80	Extremely weak to very weak low density white with frequent grey patches up to 40mm, CHALK. Fractures are very closely to medium spaced, undulose, rough, clean. (Occasional flint gravel up to 20mm in size) (WHITE CHALK GRADE C2)	98.83m - 98.83-98.90 m partially rinded flint cobble 100.40-100.60 m AZCL 100.60-101.90 m over cored. Drilling induced non-intact sections 101.90-101.95 m AZCL	01.40 -99.81	
101.90-103.40	96 95 85					Weak, low density white with frequent grey patches CHALK. Fractures are subhorizontal widely spaced, undulose, rough, open infilled up to 10mm with putty chalk. (WHITE CHALK GRADE C1)			
103.54-103.95			CS 32						
103.40-104.90	95 60 40								
104.90-106.40	0 N/A N/A								
106.40-107.15	0 N/A N/A								
107.50-107.90	100 13 13		CS 33			107.15-107.20 m drilling induced non-intact 107.20 m partially rinded flint cobble 107.35 m partially rinded flint cobble			
107.90-109.40	100 99 89		Flush: 93.65-122.90 Mud, 90 %						
109.40-110.90	93 63 32		CS 34						
110.50-110.90									
110.90-112.40	13 8 0	240 930 1450						(21.50)	
112.40-113.50	0 N/A N/A								
113.50-113.90	73 38								
114.25-114.65	53 N/A N/A		CS 35						
113.90-114.65									
114.65-115.40	0 N/A N/A								
115.40-116.15	0 N/A N/A								
116.15-116.90	25 13 13			05/08/2010 116.90	2.40 0800				
116.90-117.65	77 77 77			06/08/2010 116.90	2.40				
117.97-118.40	57 N/A N/A		CS 36						
117.65-118.40									
118.40-119.90	50 49 41								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 122.90 m	149.90-120.55 m		

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck (m) Post strike behaviour	Depth sealed (m) From to (m)	Depths (m) Time Tools used

Borehole Log



Drilled JS Logged ST/GA Checked MT	Start 21/07/2010 End 22/08/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (EZ mud plus)	Depth from 0.00m to 9.00m Diameter 250mm Casing Depth 9.00m 46.40m 122.90m 146mm 122.90m	Ground Level +1.59 mOD Coordinates E 647217.85 National Grid N 264201.45 Chainage
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Samples and Tests					Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
120.48-120.90 119.90-121.40	57 28 28		CS 37			Weak, low density white with frequent grey patches CHALK. Fractures are subhorizontal widely spaced, undulose, rough, open infilled up to 10mm with putty chalk. (WHITE CHALK GRADE C1)				
121.40-122.90	100 91 90			06/08/2010 122.90	2.40					
						EXPLORATORY HOLE ENDS AT 122.90 m	22.90 -121.31			

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC Logged PM Checked MT		Start 13/10/2010 End 13/10/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m to 4.00m Diameter 250mm Casing Depth 3.00m		Ground Level +1.62 mOD Coordinates E 647219.89 National Grid N 264196.13 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)	0.10 +1.52				
0.10-0.40	B 2				Orangish brown slightly silty slightly gravelly SAND. Gravel is subangular fine to medium of chalk and flint. (MADE GROUND)	0.40 m cobble size pockets of coarse grey sand				(2.50)
0.40	D 3									
0.40-1.00	B 4									
1.00	W 11	* 23 blows		0.80						
1.20-1.65	U 5									
1.65-1.85	D 6	50 blows 370 mm rec	1.90	1.60						
1.90-2.53	U 7									
2.35	D 8	100 blows No recovery	2.60	1.50	Greyish brown slightly silty gravelly SAND. Gravel is angular to subangular fine to coarse of concrete with rare wood and metal. (MADE GROUND)	2.60 -0.98				
2.60-2.70	U NR									
2.60-3.00	B 9									
3.00-3.20	U NR									
3.00-3.60	B 10	100 blows No recovery	3.00	2.00		(1.40)				
			13/10/2010	2.00		4.00 -2.38				
			3.00		EXPLORATORY HOLE ENDS AT 4.00 m					
Depth	Type & No	Records	Date Casing	Time Water						
Groundwater Entries					Depth Related Remarks *					
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Chiselling Depths (m)		Time	Tools used	
1	1.00	Rose to 0.80 m after 20 minutes.	-	1.20	3.20	3.60 -4.00		60 mins		
					1 No U100 Hammer weight used. Borehole terminated due to concrete obstruction.					
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:28:39					Borehole CBH 2009_2U Sheet 1 of 1					

Borehole Log



Drilled DC Logged PM Checked MT	Start 13/10/2010 End 18/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 10.00m 25.00m	to 10.00m 25.00m 44.65m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 25.00m 43.60m	Ground Level Coordinates National Grid Chainage	+1.58 mOD E 647220.74 N 264197.42
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)	0.10 +1.48 (0.50)		
0.60	D 2				Orangish brown slightly silty SAND. (MADE GROUND)	0.60 +0.98		
1.30	D 3				Greyish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of flint, chalk and sandstone. (MADE GROUND)	(4.40)		
2.30	D 4							
3.50	D 5							
4.50	D 6							
5.00-5.45	U 8	26 blows 410 mm rec	13/10/2010	3.50				
5.00	D 7		5.00	0800	Spongy black slightly sandy clayey pseudo-fibrous PEAT with occasional horizons of soft grey slightly sandy clay. (RECENT DEPOSITS)	5.00 -3.42		
5.45-5.65	D 9		14/10/2010	2.60				
5.70-6.15	U 10	23 blows 300 mm rec	5.00	dry				
6.15-6.35	D 11							
6.40-6.85	U 12	30 blows	6.50	dry				
6.85-7.05	D 13							
7.10-7.55	U 14	30 blows	6.30	dry				
7.55-7.75	D 15							
7.80-8.25	U 16	35 blows 420 mm rec	6.30	dry				
8.20	W 18							
8.25-8.45	D 17							
8.70-9.15	U 19	60 blows	8.70	0.00	Dark greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	8.20 -6.62		
9.15-9.35	D 20							
9.40-9.85	U 21	55 blows	9.40	0.00				
9.85-10.05	D 22							
10.10-10.55	U 23	60 blows	10.00	0.00				
10.55-10.75	D 24							
10.80-11.25	U 25	60 blows	10.80	0.00				
11.25-11.45	D 26							
11.50-11.95	U 27	70 blows 300 mm rec	11.50	0.00				
11.95-12.15	D 28							
12.20-12.65	U 29	50 blows 380 mm rec	12.20	0.00				
12.65-12.85	D 30							
12.90-13.35	U 31	70 blows	12.90	0.00				
13.35-13.55	D 32							
13.60-14.05	U 33	70 blows 370 mm rec	13.60	0.00				
14.05-14.25	D 34							
14.30-14.75	U 35	65 blows	14.30	0.00				
14.75-14.95	D 36							
15.00-15.45	U 37	75 blows 300 mm rec	15.00	0.00				
15.45-15.65	D 38							
15.70-16.15	U 39	50 blows 390 mm rec	15.70	0.00				
16.15-16.35	D 40							
16.40-16.85	U 41	50 blows 400 mm rec	16.40	0.00				
16.85-17.05	D 42							
17.10-17.55	U 43	70 blows 400 mm rec	17.10	0.00				
17.55-17.75	D 44							
17.80-18.25	U 45	70 blows 380 mm rec	17.80	0.00				
18.25-18.45	D 46		14/10/2010	0.00				
18.50-18.95	U 47	70 blows 400 mm rec	17.80	0.00				
18.95-19.15	D 48		18.50	0800				
19.20-19.65	U 49	50 blows	15/10/2010	0.90				
19.65-19.85	D 50		17.80	0.00				
19.90-20.35	U 51	60 blows 420 mm rec	19.90	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.30 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From (m)	to (m)	Depths (m)	Time	Tools used
1	8.20	Rose to 4.50 m after 20 minutes.	-	5.00	18.50	1		No U100 Hammer weight used.
				18.50	44.65	2		No U100 Hammer weights used.

Borehole Log



Drilled DC Logged PM Checked MT		Start 13/10/2010 End 18/10/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m 10.00m 25.00m		to 10.00m 25.00m 44.65m		Diameter 250mm 200mm 150mm		Casing Depth 10.00m 25.00m 43.60m		Ground Level Coordinates National Grid Chainage	
														+1.58 mOD E 647220.74 N 264197.42	
Samples and Tests					Strata										
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
20.00-20.55	D 52				Dark greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)										
20.60-21.05	U 53	60 blows	20.60	0.00											
21.05-21.25	D 54														
21.30-22.00	U NR B 55	60 blows No recovery	21.30	0.00											
22.00-22.45	U NR B 56	70 blows No recovery	22.00	0.00											
22.70-23.15	U NR B 57	75 blows No recovery	22.70	0.00											
23.40-23.85	U 58	80 blows 390 mm rec	23.40	0.00											
23.85-24.05	B 59														
24.10-24.55	U 60	85 blows 350 mm rec	24.10	0.00											
24.55-24.75	D 61														
24.80-25.25	U NR B 62	75 blows No recovery	24.80	0.00											
25.50-25.95	U 63	200 blows 300 mm rec	25.50	0.00											
25.95-26.15	D 64														
26.20-26.65	U NR B 65	90 blows No recovery	26.20	0.00											
26.90-27.35	U NR B 66	95 blows No recovery	26.90	0.00											
27.60-28.05	U 67	80 blows 250 mm rec	27.60	0.20											
28.05-28.25	B 68		16/10/2010	0.90											
28.30-28.75	U 69	90 blows 350 mm rec	27.60	0.00											
28.75-28.95	D 70														
29.00-29.45	U 71	100 blows 400 mm rec	29.00	0.00											
29.45-29.65	D 72														
29.70-30.15	U 73	120 blows 360 mm rec	29.70	0.00											
30.15-30.35	D 74														
30.40-30.85	U NR B 75	100 blows No recovery	30.40	0.00											
31.10-31.55	U NR B 76	130 blows No recovery	31.10	0.00											
31.80-32.25	U 77	120 blows 300 mm rec	31.80	0.00											
32.25-35.45	D 78														
32.50-32.95	U NR B 79	130 blows No recovery	32.50	0.00											
32.50-33.20															
33.20-33.65	U 80	130 blows 320 mm rec	33.20	0.00											
33.65-33.85	D 81														
33.90-34.35	U NR B 82	130 blows No recovery	33.90	0.00											
33.90-34.60															
34.60-35.05	U 83	130 blows 300 mm rec	34.60	0.00											
35.05-35.25	D 84		16/10/2010	1.30											
35.30-35.75	U 85	90 blows 400 mm rec	35.25	0.00											
35.75-35.95	D 86		17/10/2010	0.90											
36.00-36.45	U NR	90 blows No recovery	35.25	0.00											
36.70-37.15	U 88	100 blows 300 mm rec	36.70	0.00											
36.70	B 87														
37.15-37.35	D 89														
37.40-37.85	U 90	100 blows 300 mm rec	37.40	0.00											
37.85-38.05	D 91														
38.10-38.55	U 92	110 blows 350 mm rec	38.10	0.00											
38.55-38.75	D 93														
38.80-39.25	U 94	120 blows 320 mm rec	38.80	0.00											
39.25-39.45	D 95														
39.50-39.95	U 96	110 blows 350 mm rec	39.50	0.00											
39.95-40.15	D 97														
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.30 m										
Groundwater Entries			Depth sealed (m)		Depth Related Remarks *					Chiselling					
No.	Struck (m)	Post strike behaviour			From to (m)					Depths (m)	Time	Tools used			
					27.60 35.25 Water added.										
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL				Borehole							
Scale 1:100				Project No. A0012-10				CBH 2009_2UA							
(c) Soil Mechanics www.soil-mechanics.com				Carried out for NNB Generation Company Limited				Sheet 2 of 3							

Borehole Log



Drilled DC Logged PM Checked MT	Start 13/10/2010 End 18/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 10.00m 10.00m 25.00m	Diameter 250mm 200mm 150mm	Casing Depth 10.00m 25.00m 43.60m	Ground Level +1.58 mOD Coordinates E 647220.74 National Grid N 264197.42 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
40.20-40.65	U 98	100 blows 380 mm rec	40.20	0.00	Dark greyish brown slightly silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)					
40.65-40.85	D 99									
40.90-41.35	U NR	100 blows No recovery	40.90	0.00						
40.90-41.60	B 100									
41.60-42.05	U 101	110 blows 320 mm rec	41.60	0.00						
42.05-42.25	D 102									
42.30-42.75	U NR	115 blows No recovery	42.30	0.00						
42.30-43.00	B 103									
43.00-43.30	U NR	200 blows No recovery	43.00	0.00			43.30	-41.72		
43.00-43.30	B 104									
43.30-43.75	U 106	70 blows	43.30	0.00	Stiff to very stiff dark brown sandy CLAY. (LONDON CLAY - A3ii)					
43.30	D 105									
43.75-43.95	D 107									
44.00-44.45	U 108	70 blows 250 mm rec	43.60	2.30			(1.35)			
44.45-44.65	D 109		17/10/2010	2.50						
			43.60		EXPLORATORY HOLE ENDS AT 44.65 m	44.65	-43.07			

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck (m) Post strike behaviour Depth sealed (m)	From to (m)	Depths (m) Time Tools used

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_2UA Sheet 3 of 3
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Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m 5.00m 18.00m 54.00m	to 5.00m 18.00m 54.00m 58.50m	Diameter 228mm 194mm 140mm 86mm	Casing Depth 5.00m 18.00m 140mm 54.00m	Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 2644409.60 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.00-2.00	75 N/A N/A		0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to rounded fine to coarse of flint. (MADE GROUND)	0.00-0.50 m NO RECOVERY (2.00)			
2.00-3.00	52 N/A N/A			12/11/2010 1800		SAND. (Foreman's description) (MADE GROUND)	2.00-2.48 m NO RECOVERY (0.48)			
3.00-4.50	100 N/A N/A			13/11/2010 0800	3.00	Yellowish brown slightly silty gravelly SAND with occasional fine to coarse gravel size shell fragments. Gravel is subrounded to rounded fine to coarse of flint. (MADE GROUND)	3.40-3.51 m dark brown fine to coarse sand 3.94-4.03 m dark brown fine to coarse sand (0.92)			
4.50-6.00	52 N/A N/A					Brown silty slightly gravelly SAND with rare fine to coarse gravel size shell fragments. Gravel is subrounded of flint. (MADE GROUND)	5.28-6.00 m NO RECOVERY (0.72)			
6.00-7.50	100 N/A N/A					Orangish brown silty gravelly, locally very gravelly, SAND with rare fine to coarse gravel size shell fragments. Gravel is subangular to rounded fine to medium of flint. (MADE GROUND)	7.27-7.50 m NO RECOVERY (0.80)			
7.50-9.00	47 N/A N/A					Reddish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	8.30-8.55 m NO RECOVERY (0.45)			
9.00-10.50	63 N/A N/A					SAND. (Foreman's description) (MADE GROUND)	9.00-9.55 m NO RECOVERY (0.55)			
10.50-12.00	100 N/A N/A					Yellowish brown gravelly SAND with rare fine to coarse gravel size shell fragments. Gravel is subangular fine to medium of flint. (MADE GROUND)	10.04-10.06 m light grey clay (1.10)			
12.00-13.50	97 N/A N/A					Orangish brown slightly silty gravelly SAND with rare wood fragments up to 20mm in size. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	11.07-11.22 m occasional wood fragments 11.43-11.60 m dark grey brown 12.00-12.05 m NO RECOVERY (0.70)			
13.50-15.00	30 N/A N/A					SAND. (Foreman's description) (MADE GROUND)	13.50-13.84 m rare shell fragments 13.84-13.95 m grey siltstone cobble 13.95-15.00 m NO RECOVERY (1.05)			
15.00-16.50	100 N/A N/A					Orangish brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	15.00-15.00 m NO RECOVERY (0.65)			
16.50-18.00	100 N/A N/A					Orangish brown slightly silty gravelly SAND with frequent fine to coarse gravel size shell fragments. Gravel is subangular to subrounded fine to coarse of flint. (MADE GROUND)	15.74-15.90 m brown fine and medium sand (0.68)			
18.00-19.50	67 N/A N/A					SAND. (Foreman's description) (MADE GROUND)	18.00-18.50 m NO RECOVERY (0.70)			
18.00-19.50						Orangish brown slightly silty slightly gravelly SAND with frequent fine to coarse gravel size shell fragments. Gravel is subangular to subrounded fine	18.50-18.50 m NO RECOVERY (1.00)			
19.50-20.30						Stratum continues to 20.30 m	19.50-20.30 m NO RECOVERY (0.80)			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 3.00 22.50 Water added to assist boring.	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 5.00m Diameter 228mm Casing Depth 5.00m	Ground Level Coordinates +11.84 mOD E 647427.00 National Grid N 264409.60 Chainage
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Samples and Tests						Strata				
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
19.50-21.00	100 N/A N/A					9.55m - 10.65m : and medium of flint. (Possible MADE GROUND)	20.30 -8.46 (0.70)			
21.00-22.50	73 N/A N/A			13/11/2010 22.50	1800 0800	10.65m - 11.70m : Brown slightly silty SAND with rare fine to coarse gravel size shell fragments and rare rootlets. (Possible RECENT DEPOSITS)	20.74-20.77 m 21.00 -9.16 21.40 (0.40) 21.70 (0.30) -9.56 -9.86			
22.50-24.00	90 N/A N/A			14/11/2010 22.50		11.70m - 12.40m : Brown clayey gravelly SAND with frequent fragments of wood. Gravel is subangular to subrounded fine to coarse of flint. (Possible RECENT DEPOSITS)	(1.40)			
24.00-25.50	100 N/A N/A			14/11/2010 24.00	1800	12.40m - 13.95m : Grey silty SAND with frequent fine to coarse gravel size shell fragments. (Possible RECENT DEPOSITS)	22.50-22.65 m NO RECOVERY			
25.50-27.00	100 N/A N/A			15/11/2010 24.00	0800	13.95m - 15.00m : SAND and COBBLES. (Foreman's description) (Possible RECENT DEPOSITS)	23.10 -11.26 (1.00)			
27.00-28.50	100 N/A N/A			15/11/2010 27.00	1800	15.00m - 15.65m : Greyish brown silty SAND with frequent fine to coarse gravel size shell fragments. (Possible RECENT DEPOSITS)	24.10 -12.26 (1.25)			
28.50-30.00	23 N/A N/A			16/11/2010 27.00	0800	15.65m - 16.33m : Firm dark brown and black clayey pseudo fibrous PEAT. (RECENT DEPOSITS)	25.35 -13.51 (1.40)			
30.00-31.50	0 N/A N/A					16.33m - 17.30m : Soft grey CLAY. (RECENT DEPOSITS)	26.15-26.40 m dark orange brown 26.40-26.50 m occasional fine to coarse gravel size shell fragments	26.75 -14.91 (0.55)		
31.50-33.00	100 N/A N/A					17.30m - 18.00m : Firm dark brown and black clayey pseudo fibrous PEAT. (RECENT DEPOSITS)	27.30 -15.46 (1.20)			
33.00-34.50	100 N/A N/A					18.00m - 18.50m : SAND. (Foreman's description) (RECENT DEPOSITS)	28.50 -16.66 (1.15)			
34.50-36.00	67 N/A N/A					18.50m - 19.50m : Plastic dark brown and black amorphous PEAT. (RECENT DEPOSITS)	28.50-29.65 m NO RECOVERY	29.65 -17.81 (0.35)		
36.00-37.50	100 N/A N/A					19.50m - 20.30m : Blue grey slightly silty SAND. (Possible RECENT DEPOSITS)	30.00-31.50 m NO RECOVERY	30.00 -18.16 (1.50)		
37.50-39.00	100 N/A N/A			16/11/2010 37.50	1800	Brown slightly silty SAND with occasional fine to coarse gravel size shell fragments. (Possible CRAG DEPOSITS)	31.50 -19.66 (1.50)			
39.00-40.50	100 N/A N/A			17/11/2010 37.50	0800	SAND. (Foreman's description) (Possible CRAG DEPOSITS)	34.50 -22.66 (0.50)			
						Brown slightly silty SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)	35.00 -23.16 (5.20)			
						Orangish brown SAND. (CRAG DEPOSITS)	36.80-36.84 m grey fine sand 37.23-37.25 m brown grey clay			
						Orangish brown SAND with occasional fine to coarse gravel size shell fragments and occasional pockets of dark orangish brown laminated clay. (CRAG DEPOSITS)	37.35-37.50 m occasional pockets of brown grey clay			
						Brown becoming greyish brown SAND with laminated claystone	38.85-38.87 m grey clay 39.33-39.36 m laminated claystone			
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 40.20 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled Logged Checked			Start End			Equipment, Methods and Remarks			Depth from to Diameter			Casing Depth		Ground Level Coordinates		National Grid		Chainage						
PJ JMH MT			12/11/2010 18/11/2010			DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.			0.00m 5.00m 18.00m 54.00m			5.00m 18.00m 54.00m		+11.84 mOD E 647427.00		N 264409.60								
Samples and Tests										Strata														
Depth	TCR SCR ROD	If	Records/Samples		Date Casing	Time Water	Description (Continued from Sheet 2)					Depth, Level (Thickness)	Legend	Backfill/ Instruments										
							horizon					40.20	-28.36											
40.50-42.00	87 N/A N/A						24.10m - 25.35m : rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)					40.50-40.70 m												
							25.35m - 26.75m : Greyish brown SAND. (CRAG DEPOSITS)					41.60-42.00 m	slightly clayey											
42.00-43.50	100 N/A N/A						26.75m - 27.30m : Brown SAND with rare fine to coarse gravel size shell fragments. (CRAG DEPOSITS)					(4.80)												
43.50-45.00	100 N/A N/A						27.30m - 28.50m : Greyish brown SAND with frequent fine to coarse gravel size shell fragments. (CRAG DEPOSITS)																	
45.00-46.50	0 N/A N/A						28.50m - 29.65m : SAND with shells. (Foreman's description) (CRAG DEPOSITS)					44.60-45.00 m	slightly silty	45.00	-33.16									
							29.65m - 30.00m : Brown SAND. (CRAG DEPOSITS)					45.00-46.50 m	NO RECOVERY	(1.50)										
46.50-48.00	100 N/A N/A						30.00m - 31.50m : SAND with shells. (Foreman's description) (CRAG DEPOSITS)					46.50	-34.66											
48.00-49.50	100 N/A N/A						31.50m - 33.00m : Grey SAND with frequent fine to coarse gravel size shell fragments. (CRAG DEPOSITS)					(3.00)												
49.50-51.00	60 N/A N/A						33.00m - 34.50m : Grey SAND with rare fine to coarse gravel size shell fragments. (CRAG DEPOSITS)																	
							34.50m - 35.00m : SAND with shells. (Foreman's description) (CRAG DEPOSITS)					49.07-49.09 m	grey fine and medium sand	49.50	-37.66									
							35.00m - 40.20m : Grey SAND with frequent fine to coarse gravel size shell fragments. (CRAG DEPOSITS)					49.50-50.10 m	NO RECOVERY	(0.60)										
51.00-52.50	37 N/A N/A				17/11/2010 51.00	1800	Grey SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)					51.00-51.95 m	NO RECOVERY	50.10	-38.26									
							Clayey SAND with shells. (Foreman's description) (CRAG DEPOSITS)					51.00	-39.16	(0.90)										
52.50-54.00	100 N/A N/A				18/11/2010 51.00	0800	Grey SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)					51.95	-40.11	(0.55)										
							Clayey SAND with shells. (Foreman's description) (CRAG DEPOSITS)					52.50	-40.66	(2.65)										
54.00-55.50	100 N/A N/A						Grey slightly silty SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)					55.15	-43.31	(0.35)										
							Clayey SAND with shells. (Foreman's description) (CRAG DEPOSITS)					55.50-55.55 m	NO RECOVERY	55.50	-43.66									
55.50-58.50	98 N/A N/A						Grey silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)					(3.00)												
							Grey SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)					58.50	-46.66											
					18/11/2010 54.00	1800	Grey slightly silty SAND with rare fine to medium gravel size shell fragments.																	
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water												Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water		
Groundwater Entries							Depth Related Remarks *							Chiselling										
No. Struck Post strike behaviour (m)							From to (m)							Depths (m) Time Tools used										
None observed (see Key Sheet)																								
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.															Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE					Borehole CBH 2009_3				
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 15:07:12															Project No. A0012-10									
															Carried out for NNB Generation Company Limited					Sheet 3 of 4				

Borehole Log



Soil Mechanics

Drilled PJ Logged JMH Checked MT	Start 12/11/2010 End 18/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 5.00m Diameter 228mm Casing Depth 5.00m	to 18.00m 18.00m 54.00m 54.00m	194mm 140mm 86mm	Ground Level +11.84 mOD Coordinates E 647427.00 National Grid N 264409.60 Chainage
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Samples and Tests						Strata			Groundwater		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
						55.15m - 55.50m : (CRAG DEPOSITS)					
						55.50m - 58.50m : Stiff grey brown slightly silty CLAY. (LONDON CLAY A3ii)					
						EXPLORATORY HOLE ENDS AT 58.50 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged ST/GA Checked MT	Start 07/07/2010 End 14/07/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 17.50m Diameter 194mm Casing Depth 17.50m	Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage
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Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments

Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.20-0.50	D 1	0.00-1.20 m Hand excavated inspection pit.	07/07/2010	dry	Brown slightly gravelly fine to coarse SAND with frequent rootlets. Gravel is subangular to subrounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.10 +1.69		
0.20-0.50	B 2					2.10 (2.10)		
0.50-1.00	D 3							
0.50-1.00	B 4							
1.20-2.20	39 N/A	CS 5	08/07/2010	dry	Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	2.20 -0.41		
1.81-2.20	N/A							
2.20-2.60	0							
2.60-3.60	N/A							
3.60-4.00	N/A	Flush: 1.20-7.00 Water/mud, 100 %	09/07/2010	0800	ZONE OF CORE LOSS. Foreman reports soft sands. (MADE GROUND/RECENT DEPOSITS)	4.30 (4.30)		
4.00-5.00	0							
5.00-6.50	N/A							
6.50-7.00	N/A							
6.50-7.00	100 N/A	Flush: 7.00-7.50 Water/mud, 50 %	09/07/2010	0800	Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	6.50 -4.71		
6.75-7.00	N/A					6.75 -4.96		
7.00-8.50	43 N/A							
8.10-8.50	N/A							
8.50-9.25	0 N/A	CS 6	09/07/2010	0800	Plastic dark brown clayey amorphous PEAT. (Stratum base depth uncertain). (RECENT DEPOSITS)	8.50 -6.71		
9.25-10.00	N/A							
10.00-11.00	N/A							
11.00-11.50	N/A							
11.50-12.00	0 N/A	ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)	10/07/2010	0800	Stratum continues to 25.15 m	11.00-12.00 m		
12.00-12.50	N/A					12.00-13.50 m		
12.50-13.00	N/A							
13.00-13.50	N/A							
13.50-14.00	N/A					13.50-14.50 m		
14.00-14.50	N/A							
14.50-15.00	N/A							
15.00-15.50	N/A					15.00-17.50 m		
15.50-16.00	N/A							
16.00-16.50	N/A							
16.50-17.00	N/A							
17.00-17.50	N/A							
17.50-18.00	N/A					17.50-18.50 m		
18.00-18.50	N/A							
18.50-19.00	N/A							
19.00-19.50	N/A							
19.50-20.00	N/A							
20.00-20.50	N/A							
20.50-21.00	N/A							
21.00-21.50	N/A							
21.50-22.00	N/A							
22.00-22.50	N/A							
22.50-23.00	N/A							
23.00-23.50	N/A							
23.50-24.00	N/A							
24.00-24.50	N/A							
24.50-25.00	N/A							
25.00-25.15	N/A							

Stratum continues to 25.15 m

Groundwater Entries		Post strike behaviour	Depth sealed (m)	Depth Related Remarks *	Chiselling		
No.	Struck (m)				Depths (m)	Time	Tools used
1	1.00	20	-	1.20 37.00 Geobor S clam bit used.			

Borehole Log



Drilled MN Logged ST/GA Checked MT	Start 07/07/2010 End 14/07/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 17.50m Diameter 194mm Casing Depth 17.50m to 55.15m Diameter 146mm	Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.00-21.50	0 N/A N/A					20.00-25.15 m Foreman reports sand. (Probably CRAG DEPOSITS) 20.00-25.15 m foreman reports sand and shells			
21.50-22.00	0 N/A N/A			10/07/2010	0.45				
22.00-22.75	0 N/A N/A			11/07/2010	0.40				
22.75-23.50	0 N/A N/A								
23.50-24.25	0 N/A N/A								
24.25-25.00	0 N/A N/A								
25.00-25.75	77 N/A N/A		CS 7			Grey fine to coarse SAND with frequent shell fragments (less than 25mm in size) (CRAG DEPOSITS)	25.15 -23.36 (1.35)		
25.85-26.25	80 N/A N/A					25.75-25.90 m NO RECOVERY			
25.75-26.50	0 N/A N/A					26.30-26.40 m silt horizon	26.50 -24.71		
26.50-27.25	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)			
27.25-28.00	0 N/A N/A								
28.00-28.75	40 N/A N/A								
28.75-29.50	0 N/A N/A								
29.50-30.25	0 N/A N/A					28.45-28.75 m partial core recovery, grey fine to coarse sand with frequent shell fragments (less than 25mm in size)			
30.25-31.00	0 N/A N/A								
31.00-31.75	0 N/A N/A		Flush: 7.50-55.15 Water/mud, 100 %						
31.75-32.50	0 N/A N/A								
32.50-33.25	67 N/A N/A					32.65-33.25 m partial core recovery, grey fine to coarse sand with frequent shell fragments (less than 25mm in size)	(14.60)		
33.25-34.00	0 N/A N/A								
34.00-34.75	0 N/A N/A								
34.75-35.50	0 N/A N/A								
35.50-36.25	0 N/A N/A								
36.25-37.00	0 N/A N/A								
37.00-37.75	0 N/A N/A			11/07/2010	0.00				
37.75-38.50	0 N/A N/A			13/07/2010	0.30				
38.50-39.25	0 N/A N/A								
39.25-40.00	0 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 41.10 m			

Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m) 37.00 55.15 Geobor S surface set 7 step bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged ST/GA Checked MT		Start 07/07/2010 End 14/07/2010		Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).		Depth from 0.00m 17.50m		to 17.50m 55.15m		Diameter 194mm 146mm		Casing Depth 17.50m 55.15m		Ground Level +1.79 mOD Coordinates E 647220.13 National Grid N 264306.22 Chainage	
Samples and Tests						Strata									
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)						Depth, Level (Thickness)	Legend	Backfill/ Instruments	
40.00-40.75	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)									
40.75-41.50	53 N/A N/A					Grey fine to coarse SAND with frequent shell fragments (less than 25mm in size). (CRAG DEPOSITS)						41.10 -39.31			
41.50-43.00	97 N/A N/A					41.10 m bands of cemented sand (less than 70mm in thickness) 41.50-41.55 m NO RECOVERY						(1.40)			
43.00-44.50	23 N/A N/A					Very stiff, locally stiff, grey and dark grey thinly laminated extremely closely fissured CLAY with occasional thin laminae of silt. (LONDON CLAY A3)						42.50 -40.71			
44.15-44.50			CS 8			43.00-44.15 m NO RECOVERY									
44.50-45.25	80 N/A N/A					44.50-44.65 m NO RECOVERY 44.85 m dark grey lamina of silt									
45.25-45.80	100 N/A N/A					45.68-46.00 m medium strong dark blueish grey claystone									
45.80-47.30	100 N/A N/A		CS 10			46.80 m claystone horizon (less than 15mm in thickness)						(9.90)			
47.55-47.95	100 N/A N/A		CS 9			48.00-48.20 m weak dark blueish grey claystone									
48.00-48.20	100 N/A N/A		CS 11			48.80-49.10 m NO RECOVERY									
48.80-50.30	80 N/A N/A			13/07/2010 48.00	0.00 0800	49.35 m occasional light grey silt lamina									
50.30-50.75			CS 12	14/07/2010 48.00	0.65	50.25-50.30 m weak dark blueish grey claystone									
50.30-51.65	100 N/A N/A					51.30-51.34 m light brownish grey cross bedded laminae of silt									
51.65-53.15	100 N/A N/A					51.90-52.40 m planar smooth vertical fissure silt silt infill 52.45 m lignite nodule (50x10x10mm in size)						52.40 -50.61			
53.50-53.90	100 N/A N/A		CS 13			52.70-52.80 m planar smooth clean shear surface 54.10 m pyrite nodule (10x8x5mm in size)						(2.75)			
53.15-54.65	100 N/A N/A					55.09-55.15 m silty slightly sandy clay parting									
54.65-55.15	100 N/A N/A			14/07/2010 54.50	0.00	EXPLORATORY HOLE ENDS AT 55.15 m						55.15 -53.36			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water										
Groundwater Entries				Depth sealed		Depth Related Remarks *						Chiselling			
No.	Struck	Post strike behaviour		Depth	sealed	From						Depths (m)	Time	Tools used	
	(m)			(m)	(m)	to (m)									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited						Borehole CBH 2009_4 Sheet 3 of 3			
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:29:02															

Borehole Log



Drilled AD Logged GA/EM/S Checked MT	Start 02/09/2010 End 15/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m	25.50m 45.65m 200mm 25.50m 150mm 44.10m	Ground Level +1.81 mOD Coordinates E 647222.06 National Grid N 264306.96 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.10-0.50	D 1	0.00-1.20 m Hand excavated inspection pit.			Dark brown slightly clayey fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.71			
0.50-1.00	D 2								
1.00-1.20	D 3								
1.20-1.65	U 4	13 blows		1.00	Orange brown becoming yellowish brown slightly gravelly, locally slightly silty fine to coarse SAND with occasional fine gravel size shell fragments. Gravel is angular to rounded fine to coarse of various lithologies including flint and claystone. (MADE GROUND)	(5.30)			
1.65-1.85	D 5								
1.85-2.30	U 6	11 blows	1.80	1.00					
2.30-2.50	D 7								
2.50-2.95	U 8	12 blows	2.45	0.90					
2.95-3.15	D 9								
3.15-3.60	U 10	13 blows	3.05	1.10					
3.60-3.80	D 11								
3.80-4.25	U 12	14 blows	3.75	1.10					
4.25-4.45	D 13		02/09/2010	1.00					
4.45-4.90	U 14	40 blows	4.45	0.80					
4.90	D 15		03/09/2010	0.80					
5.10-5.28	U 16	54 blows	4.45	1.00					
5.30	D 17								
5.40-5.85	U 18	44 blows	5.00	0.45	Firm dark brown pseudo-fibrous PEAT. (RECENT DEPOSITS)	5.40 -3.59			
5.90	D 19								
6.00-6.45	U 20	39 blows	5.90	0.40		(2.00)			
6.50-6.95	U 22	38 blows	5.45	0.35					
6.50	D 21								
7.00-7.45	U 24	47 blows	6.90	0.40					
7.00	D 23								
7.50	D 25								
8.00-8.45	U 26	21 blows	7.80	0.60	Greyish brown fine to coarse SAND. (CRAG DEPOSITS)	7.40 -5.59			
8.50	D 27								
8.55-9.00	U 28	65 blows	8.40	0.45					
9.10-9.55	U 30	77 blows	9.00	0.40					
9.10	D 29		03/09/2010	1.00					
9.60	D 31		9.00	0.00					
9.65-10.10	U 32	54 blows	9.50	0.00					
10.15	D 33		04/09/2010	0.80					
10.20-10.65	D 34		9.00	1.00					
10.70	D 35		10.00	0.00					
10.75-11.20	U 36	37 blows	10.50	0.00					
11.30	D 37								
11.35-11.80	U 38	38 blows	11.00	0.00					
11.85	D 39								
11.90-12.35	U 40	42 blows	11.70	0.00	11.30 m pockets of soft brown sandy clay	(10.00)			
12.40	D 41								
12.45-12.90	U 42	41 blows	12.20	0.00					
12.95	D 43								
13.00-13.45	U 44	48 blows	12.70	0.00	12.95 m occasional shelly				
13.50	D 45								
13.55-14.00	U 46	46 blows	13.20	0.00					
14.05	D 47								
14.10-14.55	U NR	49 blows No recovery	13.90	0.00					
14.55-15.00	U 48	47 blows	14.25	0.00					
15.10	D 49		04/09/2010	0.40					
15.20-15.65	U 50	50 blows	15.10	0.80					
15.70	D 51		05/09/2010	1.00					
15.75-16.20	U 52	52 blows	15.10	0.00					
16.30	D 53		15.60	0.00					
16.90-17.35	U 54	51 blows	16.70	0.00					
17.40	D 55								
17.45-17.90	U 56	47 blows	17.30	0.00	Orangish brown locally slightly silty fine to coarse SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	17.40 -15.59			
17.95	D 57								
18.00-18.45	U 58	46 blows	17.70	0.00					
18.50	D 59								
18.60-19.05	U 60	44 blows	18.40	0.00					
19.10	D 61								
19.20-19.65	U 62	46 blows	19.00	0.00		(4.10)			
19.70	D 63								
19.75-20.20	U 64	47 blows	19.60	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 21.50 m				

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling Depths (m) Time Tools used		
No.	Struck (m)	Post strike behaviour			From	to (m)			
1	1.00	Remained at 1.00 m after 20 minutes.			0.00	9.50	1 No U100 Hammer weight used.		
					9.50	45.65	2. No U100 Hammer weights used.		
							7.50 -7.90 45 mins		

Borehole Log



Drilled AD	Start 02/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m	to 9.60m	Diameter 250mm	Casing Depth 9.60m	Ground Level +1.81 mOD Coordinates E 647222.06 National Grid N 264306.96 Chainage
Logged GA/EM/S	End 15/09/2010		9.60m	25.50m	200mm	25.50m	
Checked MT			25.50m	45.65m	150mm	44.10m	

Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.25	D 65		20.15	0.00	Orangish brown locally slightly silty fine to coarse SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	21.50	-19.69	
20.30-20.75	U 66	49 blows						
20.80-21.30	U NR	52 blows No recovery	20.60	0.00	Grey, locally greenish grey, locally slightly silty fine to coarse SAND with frequent fine gravel size shell fragments. (CRAG DEPOSITS)			
20.80	D 67		05/09/2010	0.65				
21.35	D 68		21.30	0.80	23.15-23.35 m slightly gravelly. Gravel is angular to rounded fine of flint			
21.45-21.90	U 69	53 blows	06/09/2010	0.30				
21.95	D 70		21.35	1.00				
22.00-22.45	U 71	76 blows	21.30	1.00				
22.50	D 72		21.90	0.30				
22.65-23.10	U 73	86 blows	22.50	0.00				
23.15	D 74		23.00	0.00				
23.20-23.65	U 75	84 blows	06/09/2010	0.80				
23.70	D 76		22.20	0.00				
23.75-24.20	U 77	130 blows	23.50	0.00				
24.25	D 78		07/09/2010	0.80				
24.30-24.75	U 79	160 blows	22.20	0.00				
24.80	D 80		24.00	0.00				
24.85-25.30	U 81	185 blows	24.60	0.00				
25.35	D 82		07/09/2010	1.00				
25.40-25.85	U 83	130 blows	23.50	0.00				
25.90	D 84		25.20	0.80				
25.95-26.40	U 85	136 blows	08/09/2010	1.00				
26.45	D 86		23.50	0.00				
26.50-26.95	U 87	140 blows	25.65	0.00				
27.00	D 88		26.80	0.00				
27.05-27.50	U 89	131 blows	26.80	0.00				
27.55	D 90		27.40	0.00				
27.60-28.05	U 91	135 blows	27.40	0.00				
28.10	D 92		28.00	0.00				
28.20-28.65	U 93	140 blows	28.00	0.00				
28.70	D 94		28.60	0.30				
28.85-29.20	U 95	147 blows	28.60	0.30				
29.25	D 96							
29.90-30.35	U NR	140 blows No recovery	29.60	0.30				
30.50-30.95	U 97	143 blows	08/09/2010	0.00				
31.00	D 98		30.10	0.80				
31.25-31.70	U 99	137 blows	09/09/2010	1.00				
31.75	D 100		31.00	0.00				
32.00-32.35	U 101	172 blows	31.80	0.00				
32.40	D 102							
32.55-33.00	U NR	166 blows No recovery	32.30	0.00	(22.40)			
33.20-33.65	U 103	157 blows	33.20	0.00				
33.70	D 104		33.60	0.00				
33.80-34.25	U 105	152 blows	33.60	0.00				
34.30	D 106		34.30	0.00				
34.40-34.85	U NR	144 blows No recovery	09/09/2010	1.00				
35.00-35.45	U 107	132 blows	35.00	0.80				
35.50	D 108		34.80	0.80				
35.75-36.20	U NR	124 blows No recovery	10/09/2010	1.00				
36.45-36.90	U 109	111 blows	35.00	0.00				
37.00-37.45	U NR	84 blows No recovery	36.30	0.00				
37.00	D 110		10/09/2010	0.35				
37.70-38.15	U 111	86 blows	37.00	0.80				
38.20	D 112		36.70	0.80				
38.40-38.85	U NR	80 blows No recovery	13/09/2010	1.00				
38.40-39.00	B 113		37.00	0.00				
39.00-39.45	U NR	88 blows No recovery	37.40	0.00				
39.00-40.00	B 114							
39.55-40.00	U NR	82 blows No recovery	39.30	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.90 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour			From	to (m)	Depths (m)	Time	Tools used	
							23.75 -24.20	60 mins		
							24.20 -24.30	30 mins		
							25.35 -25.50	30 mins		

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_4U Sheet 2 of 3

Borehole Log



Drilled AD Logged GA/EM/S Checked MT	Start 02/09/2010 End 15/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m to 25.50m Diameter 250mm Casing Depth 9.60m 25.50m 150mm 44.10m	Ground Level +1.81 mOD Coordinates E 647222.06 National Grid N 264306.96 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)				
40.00-41.00	B 115		39.90	0.00	Grey, locally greenish grey, locally slightly silty fine to coarse SAND with frequent fine gravel size shell fragments. (CRAG DEPOSITS)	40.00-41.00 m locally weakly cemented			
40.20-40.65	U NR	85 blows No recovery	13/09/2010	0.00					
40.65-41.10	U NR	82 blows No recovery	40.50	0.00					
41.00-42.00	B 116		14/09/2010	0.00					
41.10-41.55	U NR	80 blows No recovery	40.40	0.00					
41.55-42.00	U NR	91 blows No recovery	40.50	0.00					
42.00-43.00	B 117		41.90	0.00					
42.05-42.50	U NR	76 blows No recovery	40.80	0.00					
42.55-43.00	U NR	80 blows No recovery	41.10	0.00					
43.05-43.50	U 118	78 blows	42.70	0.00					
43.90-44.35	U 119	80 blows	43.70	0.00	Dark grey thinly laminated silty CLAY. (LONDON CLAY A3ii)	43.90	-42.09		
44.40	D 120		44.10	0.00		(1.75)			
44.55-45.00	U 121	114 blows	14/09/2010	0.45					
45.65	D-122		44.16	0.45	EXPLORATORY HOLE ENDS AT 45.65 m	45.65	-43.84		

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled JS	Start 02/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m	to 15.60m	Diameter 200mm	Casing Depth 15.60m	Ground Level +1.28 mOD
Logged ST/GA	End 13/07/2010		15.60m	55.20m	146mm	55.20m	Coordinates E 647191.08
Checked MT							National Grid N 264180.51

Samples and Tests				Strata			Ground Level		
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.10-0.20 0.10-0.20 0.40-0.65 0.40-0.65	D 1 B 2 D 3 B 4	0.00-1.20 m Hand excavated inspection pit.			Greyish brown slightly gravelly fine to coarse SAND with frequent rootlets. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint. (MADE GROUND)	0.10 (0.30) 1.18 0.40 +0.88 (0.80)			
1.20-2.70	20 N/A N/A	Flush: 1.20-4.20 Mud, 100 %	02/07/2010 05/07/2010	0800	Yellowish brown, locally grey, slightly silty slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine of mixed lithologies including flint. (MADE GROUND)	2.40-2.70 m PARTIAL CORE RECOVERY. Brown slightly clayey gravelly fine to medium SAND with a low cobble content. Gravel and cobbles are angular to subrounded fine to coarse of flint, concrete and rebar. 3.90-4.20 m PARTIAL CORE RECOVERY. Brown slightly clayey gravelly fine to medium SAND with a low cobble content.	(3.00)		
2.70-4.20	20 N/A N/A				ZONE OF CORE LOSS. Foreman reports concrete and sand. (MADE GROUND)	4.20 -2.92			
3.90-4.20		CS 5			ZONE OF CORE LOSS. Foreman reports very soft sand, concrete and timber. (MADE GROUND)	(3.00)			
4.20-5.70	0 N/A N/A	Flush: 4.20-5.70 Mud, 0 %	05/07/2010 06/07/2010	0.00 0800	Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports peat and clay. (RECENT DEPOSITS)	7.20 -5.92			
5.70-7.20	9 N/A N/A	Flush: 5.70-7.20 Mud, 50 %	06/07/2010 07/07/2010	5.70 1.20	Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports peat and clay. (RECENT DEPOSITS)	(2.75)			
7.20-8.70	30 N/A N/A	Flush: 7.20-8.70 Mud, 20 %			7.06-7.20 m 2 No cobbles of concrete encountered 8.25-8.70 m Plastic dark brown clayey amorphous, locally pseudo-fibrous peat. (RECENT DEPOSITS)	9.95 (0.35) 10.30 -9.02			
8.40-8.70		CS 6			Plastic dark brown clayey amorphous PEAT with rare pockets of greyish brown fine sand (less than 50mm in thickness). (RECENT DEPOSITS)	(1.40)			
8.70-10.20	27 N/A N/A	Flush: 8.70-10.20 Mud, 0 %			ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS)	11.70 -10.42			
10.65-11.05 10.20-11.70	100 N/A N/A				Plastic dark brown clayey amorphous PEAT with rare pockets of greyish brown fine sand (less than 50mm in thickness). (RECENT DEPOSITS)	(3.75)			
11.70-13.20	77 N/A N/A				ZONE OF CORE LOSS. Foreman reports sand, gravel and shells. (Probably CRAG DEPOSITS)	15.45 -14.17			
13.20-13.95	0 N/A N/A				Brown, becoming grey (from 16.00m) fine to coarse SAND with frequent fine to coarse gravel size shell fragments and rare thin clay laminae. (Probably CRAG DEPOSITS)	(0.75)			
13.95-14.70	0 N/A N/A				ZONE OF CORE LOSS. Foreman reports sand, gravel and shells. (Probably CRAG DEPOSITS)	16.20 -14.92			
14.70-15.45	0 N/A N/A								
15.45-16.20 15.90-16.20	100 N/A N/A		06/07/2010 07/07/2010	2.50 0800					
16.20-17.70	0 N/A N/A		07/07/2010	2.20					
17.70-18.45	0 N/A N/A								
18.45-19.20	0 N/A N/A								
19.20-20.00	0 N/A N/A								
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 42.85 m			

Groundwater Entries			Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
1	0.65	20	-	0.65	1.20			
				1.20	5.70			Inspection pit collapsed.
				5.70	20.00			Geobor S surface set 7 step bit used.
				20.00	35.70			Geobor S clam bit used.
								Geobor S surface set 7 step bit used.

Borehole Log



Drilled JS	Start 02/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m	to 15.60m	Diameter 200mm	Casing Depth 15.60m	Ground Level +1.28 mOD
Logged ST/GA	End 13/07/2010		15.60m	55.20m	146mm	55.20m	Coordinates E 647191.08
Checked MT							National Grid N 264180.51

Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.00-20.70	63 N/A N/A		*	20.00	0800	ZONE OF CORE LOSS. Foreman reports sand, gravel and shells. (Probably CRAG DEPOSITS)			
20.70-21.45	0 N/A N/A			08/07/2010	2.20		20.56-20.70 m PARTIAL CORE RECOVERY. Grey slightly gravelly fine to coarse SAND with frequent shell fragments.		
21.45-22.20	0 N/A N/A			20.00		Gravel is subangular of flint.			
22.20-22.95	23 N/A N/A					22.78-22.95 m PARTIAL CORE RECOVERY.			
22.95-23.70	0 N/A N/A					Grey fine to coarse SAND with frequent shell fragments.			
23.70-24.45	0 N/A N/A								
24.45-25.20	16 N/A N/A								
25.20-26.70	20 N/A N/A					25.08-25.20 m PARTIAL CORE RECOVERY. Grey fine to coarse SAND with frequent shell fragments.			
26.70-27.45	0 N/A N/A					26.40-26.70 m PARTIAL CORE RECOVERY.			
27.45-28.20	24 N/A N/A					Grey fine to coarse SAND with frequent fine to coarse gravel size shell fragments.			
28.20-28.95	0 N/A N/A					28.02-28.20 m PARTIAL CORE RECOVERY.			
28.95-29.70	0 N/A N/A					Grey fine to coarse SAND with frequent fine to coarse gravel size shell fragments.	(26.65)		
29.70-30.45	44 N/A N/A		CS 9			30.12-30.45 m PARTIAL CORE RECOVERY.			
30.12-30.45	0 N/A N/A					Grey fine to coarse SAND with frequent shell fragments.			
30.45-31.20	0 N/A N/A					31.50-31.95 m PARTIAL CORE RECOVERY.			
31.20-31.95	60 N/A N/A					Grey fine to coarse SAND with frequent shell fragments.			
31.95-32.70	0 N/A N/A		Flush: 10.20-55.20 Mud, 100 %			31.50-31.95 m PARTIAL CORE RECOVERY.			
32.70-33.45	0 N/A N/A					Grey fine to coarse SAND with frequent shell fragments.			
33.81-34.20	71 N/A N/A		CS 10			33.67-34.20 m PARTIAL CORE RECOVERY.			
33.45-34.20	24 N/A N/A					Grey fine to coarse SAND with frequent shell fragments.			
34.20-34.95	0 N/A N/A					34.75-34.95 m PARTIAL CORE RECOVERY.			
34.95-35.70	0 N/A N/A			08/07/2010		Grey fine to coarse SAND with frequent shell fragments.			
35.70-36.45	60 N/A N/A			35.70	0800	36.00-36.45 m PARTIAL CORE RECOVERY.			
36.45-37.20	0 N/A N/A			09/07/2010	2.20	Grey fine to coarse SAND with frequent shell fragments.			
37.20-37.95	0 N/A N/A			35.70		38.05-38.70 m PARTIAL CORE RECOVERY.			
37.95-38.70	87 N/A N/A					Grey slightly gravelly fine to coarse SAND with frequent shell fragments.			
38.70-39.45	67 N/A N/A								
39.45-40.20	44 N/A N/A					Gravel is			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 42.85 m			

Groundwater Entries			Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
				20.00	35.70			
				35.70	55.20			

Borehole Log



Drilled JS	Start 02/07/2010	Equipment, Methods and Remarks Geotech 10 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m	to 15.60m	Diameter 200mm	Casing Depth 15.60m	Ground Level +1.28 mOD
Logged ST/GA	End 13/07/2010		15.60m	55.20m	146mm	55.20m	Coordinates E 647191.08
Checked MT							National Grid N 264180.51

Samples and Tests						Strata			Chainage		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
39.87-40.20			CS 11			ZONE OF CORE LOSS. Foreman reports sand, gravel and shells. (Probably CRAG DEPOSITS) 41.25-41.70 m PARTIAL CORE RECOVERY. Grey slightly gravelly fine to coarse SAND with frequent shell fragments. Stiff, locally very stiff, fissured thinly laminated dark grey CLAY. (LONDON CLAY A3) 42.65-42.85 m PARTIAL CORE RECOVERY. Grey slightly gravelly fine to coarse SAND with frequent shell fragments. 43.80-44.20 43.20-44.70 100 N/A N/A CS 12 44.70-46.20 100 N/A N/A 46.80-47.20 46.20-47.70 100 N/A N/A CS 13 09/07/2010 47.70 13/07/2010 0800 47.70 3.00 47.70-49.20 97 N/A N/A 49.70-50.10 49.20-50.70 100 N/A N/A CS 14 50.70-52.20 100 N/A N/A 52.80-53.20 52.20-53.70 87 N/A N/A CS 15 53.70-55.20 100 N/A N/A 13/07/2010 55.20 0.00	42.85 -41.57		SP		
40.20-40.95	0 N/A N/A										
40.95-41.70	60 N/A N/A										
41.70-42.45	0 N/A N/A										
42.45-43.20	73 N/A N/A										
43.80-44.20	100 N/A N/A		CS 12								
43.20-44.70	N/A										
44.70-46.20	100 N/A N/A										
46.80-47.20	100 N/A N/A		CS 13								
46.20-47.70	N/A							(9.20)			
47.70-49.20	97 N/A N/A										
49.70-50.10	100 N/A N/A		CS 14								
49.20-50.70	N/A										
50.70-52.20	100 N/A N/A										
52.80-53.20	87 N/A N/A		CS 15					52.05 -50.77			
52.20-53.70	N/A						(3.15)				
53.70-55.20	100 N/A N/A										
EXPLORATORY HOLE ENDS AT 55.20 m							55.20 -53.92				

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck (m) Post strike behaviour	Depth sealed (m) From to (m)	Depths (m) Time Tools used

Borehole Log



Drilled DC Logged ST/EM Checked MT	Start 24/09/2010 End 24/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 1.80m Diameter 250mm Casing Depth	Ground Level +1.31 mOD Coordinates E 647186.77 National Grid N 264184.00 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.10 0.10-0.50 0.60 0.60 1.20-1.45 1.45-1.65	D 1 B 2 W 3 D 4 U 5 D 6	0.00-1.20 m Hand excavated inspection pit. 200 blows 200 mm rec	24/09/2010	0.50	Brown slightly silty fine to coarse SAND with frequent rootlets. (MADE GROUND) Orangish brown becoming brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of firm orangish brown clay and occasional shell fragments. Gravel is angular to rounded fine to various lithologies including flint. (MADE GROUND) EXPLORATORY HOLE ENDS AT 1.80 m	1.65-1.80 m obstruction	0.10 +1.21 (1.70) 1.80 -0.49		

Groundwater Entries <table border="1"> <thead> <tr> <th>No.</th> <th>Struck (m)</th> <th>Post strike behaviour</th> <th>Depth sealed (m)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.60</td> <td>Rose to 0.50 m after 20 minutes.</td> <td>-</td> </tr> </tbody> </table>	No.	Struck (m)	Post strike behaviour	Depth sealed (m)	1	0.60	Rose to 0.50 m after 20 minutes.	-	Depth Related Remarks * From 1.80 to (m) Borehole terminated due to obstruction.	Chiselling Depths (m) 1.60 -1.80 Time 60 mins Tools used
No.	Struck (m)	Post strike behaviour	Depth sealed (m)							
1	0.60	Rose to 0.50 m after 20 minutes.	-							

Borehole Log



Drilled DC	Start 27/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m	to 2.45m	Diameter 250mm	Casing Depth 1.80m	Ground Level +1.29 mOD	
Logged EM	End 27/09/2010							Coordinates E 647188.28	
Checked MT								National Grid N 264184.67	
								Chainage	
Samples and Tests				Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.10 0.10-0.60 0.60 0.60	D 1 B 2 W 3 D 4	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.19			
1.80-2.25 1.80-2.45 2.25-2.45	U 5 B 7 D 6	140 blows 130 mm rec	1.70 27/09/2010 1.80	dry	Orangish brown becoming brown silty slightly gravelly fine to coarse SAND with rare fine gravel size shell fragments. Gravel is angular to subangular fine to coarse of various lithologies including claystone and concrete. (MADE GROUND)	(2.35) 2.45 -1.16			
EXPLORATORY HOLE ENDS AT 2.45 m						1.80-2.45 m cobbles of angular concrete 2.45 m obstruction			
Depth	Type & No	Records	Date Casing	Time Water					
Groundwater Entries					Depth Related Remarks *			Chiselling	
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)			Depths (m)	Time	Tools used
1	0.60	Rose to 0.50 m after 20 minutes.	-	2.45 Borehole terminated due to obstruction.			1.80-2.10	60 mins	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole CBH 2009_5UA Sheet 1 of 1	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:29:23									

Borehole Log



Drilled DC Logged EM Checked MT	Start 27/09/2010 End 29/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 250mm Casing Depth 10.00m	Ground Level +1.33 mOD Coordinates E 647189.96 National Grid N 264185.32
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Samples and Tests					Strata		Chainage		
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.23			
0.40	D 2	*			Orangish brown silty fine to coarse SAND. (MADE GROUND)	(2.20)			
2.00-2.20	U NR	100 blows No recovery	2.00	dry					
2.00-2.70	B 3								
2.30	D 4								
2.70-3.15	U 5	12 blows 410 mm rec	2.70	dry	Brown silty fine to medium SAND with rare plant debris. (Possibly MADE GROUND)	2.30 -0.97			
3.15-3.35	D 6								
3.40-3.85	U 7	8 blows 120 mm rec	3.00	1.10					
3.40-4.10	B 9								
3.85-4.05	D 8								
4.10-4.55	U 10	6 blows 180 mm rec	4.00	1.40	Soft greyish brown slightly silty organic CLAY. (RECENT DEPOSITS)	3.40 -2.07			
4.10-4.80	B 12								
4.55-4.75	D 11								
4.80	U 13	6 blows	4.60	1.80					
5.25-5.45	D 14								
5.50-5.95	U 15	7 blows 380 mm rec	5.10	2.10					
5.95-6.15	D 16								
6.20-6.65	U 17	12 blows	6.00	2.50					
6.65-6.85	D 18								
6.90-7.35	U 19	13 blows 330 mm rec	6.90	3.10					
7.35-7.95	D 20		27/09/2010	3.10					
7.60-8.05	U 20A	12 blows 220 mm rec	6.90	3.80	Firm dark brown locally black fibrous locally amorphous clayey PEAT. (RECENT DEPOSITS)	7.60 -6.27			
8.05-8.25	D 21		28/09/2010	3.80					
8.30-8.75	U 22	14 blows 400 mm rec	6.90	2.50					
8.75-8.95	D 23								
9.00-9.45	U 24	40 blows 200 mm rec	9.00	0.00	Grey silty locally slightly silty fine to coarse SAND with occasional fine to medium gravel size shall fragments. (CRAG DEPOSITS)	8.60 -7.27			
9.00-9.70	B 26								
9.45-9.65	D 25								
9.70-10.15	U 27	40 blows	9.70	0.00					
10.15-10.35	D 28								
10.40-10.85	U 29	30 blows 180 mm rec	10.40	0.00					
10.40-11.10	B 31								
10.85-11.05	D 30								
11.10-11.50	U 32	47 blows 310 mm rec	11.10	0.00					
11.50-11.75	D 33								
11.80-12.25	U 34	38 blows 340 mm rec	11.80	0.00					
12.25-12.45	D 35								
12.50-12.95	U 36	35 blows 350 mm rec	12.50	0.00					
12.95-13.15	D 37								
13.20-13.65	U 38	38 blows	13.20	0.00					
13.65-13.85	D 39								
13.90-14.35	U 40	55 blows 420 mm rec	13.90	0.00					
14.35-14.55	D 41								
14.60-15.05	U 42	40 blows 320 mm rec	14.60	0.00					
15.05-15.25	D 43								
15.30-15.75	U 44	40 blows 400 mm rec	15.30	0.00					
15.75-15.95	D 45								
16.00-16.45	U 46	30 blows 360 mm rec	16.00	0.00					
16.45-16.65	D 47								
16.70-17.15	U 48	40 blows 360 mm rec	16.70	0.00					
17.15-17.35	D 49								
17.40-17.85	U 50	45 blows 370 mm rec	17.40	0.00					
17.85-18.05	D 51								
18.10-18.55	U 52	50 blows 410 mm rec	18.10	0.00					
18.55-18.75	D 53								
18.80-19.25	U 54	55 blows 400 mm rec	18.80	0.00					
19.25-19.45	D 55								
19.50-19.95	U 56	55 blows 210 mm rec	19.50	0.00					
19.95-20.15	D 57								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 8.60 2 No U100 Hammer weights used. 1.50 45.15 Water added to assist boring. 8.60 45.15 3 No U100 Hammer weights used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC Logged EM Checked MT		Start 27/09/2010 End 29/09/2010		Equipment, Methods and Remarks Dando 3000 Cable percussion boring.		Depth from 0.00m 10.00m 28.60m		to 10.00m 28.60m 45.15m		Diameter 250mm 200mm 150mm		Casing Depth 10.00m 28.60m 43.50m		Ground Level +1.33 mOD Coordinates E 647189.96 National Grid N 264185.32 Chainage	
Samples and Tests					Strata										
Depth	Type & No	Records	Date	Time	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments							
			Casing	Water											
20.20-20.65	U 58	50 blows 390 mm rec	28/09/2010	0.00	Grey silty locally slightly silty fine to coarse SAND with occasional fine to medium gravel size shall fragments. (CRAG DEPOSITS)	(34.40)									
20.65-20.85	D 59		20.20	0800											
20.90-21.35	U 60	35 blows 180 mm rec	29/09/2010	1.30											
21.35-21.55	D 61		20.20	0.00											
21.60-22.05	U 62	70 blows 410 mm rec	21.60	0.00											
22.05-22.25	D 63		22.30	0.00											
22.30-22.75	U 64	55 blows 320 mm rec	22.30	0.00											
22.75-22.95	D 65		23.00	0.00											
23.00-23.45	U 66	80 blows	23.00	0.00											
23.45-23.65	D 67		23.70	0.00											
23.70-24.15	U 68	40 blows 410 mm rec	23.70	0.00											
24.15	D 69		24.40	0.00											
24.40-24.85	U NR	100 blows No recovery	24.40	0.00											
24.40-25.10	B 70														
25.10-25.55	U 71	65 blows	25.10	0.00											
25.55-25.75	D 72		25.80	0.00											
25.80-26.25	U 73	45 blows 350 mm rec	25.80	0.00											
26.25-26.45	D 74		26.50	0.00											
26.50-26.95	U NR	40 blows No recovery	26.50	0.00											
26.50-27.20	B 75														
27.20-27.65	U 76	80 blows 350 mm rec	27.20	0.00											
27.65-27.85	D 77		27.90	0.00											
27.90-28.35	U NR	80 blows No recovery	27.90	0.00											
27.90-28.60	B 78														
28.60-29.05	U 79	80 blows 320 mm rec	29/09/2010	-0.40											
29.05-29.25	D 80		28.60	0800											
29.30-29.75	U 81	60 blows 370 mm rec	30/09/2010	1.00											
29.75-29.95	D 82		28.60	0.00											
30.00-30.45	U NR	65 blows No recovery	29.30	0.00											
30.70-31.15	U NR	80 blows No recovery	30.70	0.00											
30.70	B 83														
30.70-31.40	B 84														
31.40	U NR	100 blows No recovery	31.40	0.00											
31.40-31.90	B 85														
31.90-32.60	B 86														
32.60-33.05	U NR	70 blows No recovery	32.60	0.00											
32.60-33.30	B 87														
33.30-34.00	B 88														
34.00-34.45	U NR	60 blows No recovery	34.00	0.00											
34.00-34.70	B 89														
34.70-35.15	U 90	60 blows 340 mm rec	34.70	0.00											
35.15-35.35	D 91		35.40	0.00											
35.40-35.85	U 92	60 blows 200 mm rec	35.40	0.00											
35.85-36.05	D 93		36.10	0.00											
36.10-36.55	U 94	60 blows 330 mm rec	36.10	0.00											
36.55-36.75	D 95		36.80	0.00											
36.80-37.25	U NR	70 blows No recovery	36.80	0.00											
36.80-37.50	B 96														
37.50-37.95	U NR	70 blows No recovery	30/09/2010	0.00											
37.50-38.20	B 97		37.50	0.00											
38.20-38.90	U NR	70 blows No recovery	38.20	0.00											
38.20-38.90	B 98														
38.90-39.35	U 99	65 blows 360 mm rec	38.90	0.00											
39.35-39.55	D 100		39.60	0.00											
39.60-40.05	U 101	74 blows 330 mm rec	39.60	0.00											
Depth	Type & No	Records	Date	Time					Stratum continues to 43.00 m						
			Casing	Water											
Groundwater Entries									Depth Related Remarks *			Chiselling			
No.	Struck	Post strike behaviour	Depth sealed (m)						From	to (m)	Depths (m)	Time	Tools used		
None observed (see Key Sheet)												27.60 -28.00	90 mins		
												30.60 -31.20	120 mins		
												33.10 -34.00	120 mins		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.									Project			Borehole			
Scale 1:100									ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL			CBH 2009_5UB			
(c) Soil Mechanics www.soil-mechanics.com									Project No.			SITE			
408.24 21/02/2011 14:29:26									A012-10			A012-10			
Scale 1:100									Carried out for			NNB Generation Company Limited			
												Sheet 2 of 3			

Borehole Log



Drilled DC Logged EM Checked MT	Start 27/09/2010 End 29/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 250mm Casing Depth 10.00m 28.60m 45.15m 150mm 43.50m	Ground Level +1.33 mOD Coordinates E 647189.96 National Grid N 264185.32 Chainage
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Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments				
40.05-40.25 40.30-40.75	D 102 U 103	68 blows 230 mm rec	40.30	0.00	Grey silty locally slightly silty fine to coarse SAND with occasional fine to medium gravel size shall fragments. (CRAG DEPOSITS)							
40.75-40.95 41.00-41.45 41.00-41.70	D 104 U NR B 105	70 blows No recovery	41.00	0.00								
41.70-42.15	U 106	75 blows 310 mm rec	41.70	0.00								
42.15-42.35 42.40-42.85	D 107 U 108	60 blows 230 mm rec	42.40	0.00								
42.85-43.05 43.00	D 109 D 110	50 blows	43.10	2.60		Very stiff silty brown fissured CLAY. (LONDON CLAY A3ii) 43.00-43.75 m Slightly sandy	43.00	-41.67				
43.10-43.55 43.55-43.75	U 111 D 112		43.50	4.80				(2.15)				
43.80-44.25 44.25-44.45 44.50-44.95	U 113 D 114 U 115	60 blows 60 blows	43.50	5.20								
44.95-45.15	D 116											
					EXPLORATORY HOLE ENDS AT 45.15 m	45.15	-43.82					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole CBH 2009_5UB Sheet 3 of 3
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Borehole Log



Drilled DP Logged ST/GA Checked MT	Start 05/07/2010 End 13/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 12.40m	Diameter 194mm	Casing Depth 12.40m 55.50m	Ground Level +1.64 mOD Coordinates E 647062.26 National Grid N 264089.73 Chainage
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Samples and Tests			Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
0.20-0.40 0.20-0.40	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Greyish brown slightly gravelly SAND with frequent rootlets. Gravel is angular to subrounded fine of mixed lithologies including flint. (MADE GROUND)	0.10 +1.54 (1.10)		
1.00-1.20 1.00-1.20	D 3 B 4		02/07/2010 1.20	0800 dry		1.20 +0.44		
1.20-2.00	0 N/A N/A		05/07/2010 1.20		Yellowish brown slightly gravelly fine to coarse SAND with occasional pockets of brown and light grey clay (less than 30mm in size). Gravel is subangular to rounded fine of mixed lithologies including flint. (MADE GROUND)			
2.00-3.50	7 N/A N/A							
3.50-5.00	10 N/A N/A	Flush: 1.20-6.20 Water, 90 %			ZONE OF CORE LOSS. Foreman reports sand, gravel and cobbles. Stratum base depth uncertain. (Probably MADE GROUND)	(5.00)		
5.00-6.20	0 N/A N/A		05/07/2010 4.23	2.00				
6.20-7.70	10 N/A N/A	Flush: 6.20-7.70 Water, 10 %	06/07/2010 4.23	0800 1.80	Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports soft peat and cobbles. (Probably RECENT DEPOSITS)	6.20 -4.56 (2.60)		
7.70-8.80	0 N/A N/A							
8.80-9.20 8.80-9.40	100 N/A N/A				Firm dark grey pseudo-fibrous, locally amorphous, PEAT. (RECENT DEPOSITS)	8.80 -7.16 (2.10)		
9.40-10.90	73 N/A N/A							
10.90-12.40	7 N/A N/A		06/07/2010 12.40	2.20 0800	Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS)	10.90 -9.26		
12.40-13.00	0 N/A N/A		07/07/2010 12.40	5.80				
13.00-13.50	0 N/A N/A							
13.50-14.25	0 N/A N/A							
14.25-15.00	0 N/A N/A							
15.00-15.75	13 N/A N/A							
15.75-16.50	33 N/A N/A	Flush: 7.70-24.75 Water, 99 %						
16.50-17.25	0 N/A N/A							
17.25-18.00	13 N/A N/A		07/07/2010 12.40	0800 1.50				
18.00-18.75	53 N/A N/A		08/07/2010 12.40					
18.97-19.32 18.75-19.50	93 N/A N/A				Dark brown and greyish brown slightly gravelly fine to medium SAND. Gravel is angular fine to coarse of flint.	18.75 -17.11 (1.70)		
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 20.45 m		

Groundwater Entries		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From (m)	Time	Tools used
1	1.00	Damp	-	1.20 55.20		Geobor S clam bit used.

Borehole Log



Drilled DP Logged ST/GA Checked MT	Start 05/07/2010 End 13/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 12.40m Diameter 194mm Casing Depth 12.40m 55.50m	Ground Level +1.64 mOD Coordinates E 647062.26 National Grid N 264089.73 Chainage
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Samples and Tests						Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)				
19.50-20.50	100 N/A					(CRAG DEPOSITS)	17.90m - RECOVERY	20.45	-18.81	
20.50-21.00	N/A					ZONE OF CORE LOSS. Foreman reports stiff sand. (CRAG DEPOSITS)	Brown fine to coarse SAND with frequent shell fragments. 20.35 m Claystone horizon (less than 4mm in thickness) 20.45-20.65 m NO RECOVERY 20.65-21.00 m PARTIAL CORE RECOVERY.	(5.80)		
21.00-22.50	7 N/A						Dark brown cemented SAND with occasional laminae of silt. 22.39-22.50 m PARTIAL CORE RECOVERY.			
22.50-24.00	23 N/A						Dark brown cemented SAND with occasional laminae of silt. 23.65-24.00 m PARTIAL CORE RECOVERY.			
24.00-24.75	0 N/A			08/07/2010						
24.75-25.50	0 N/A			12.40 10/07/2010 12.40	0800 1.10		Dark brown cemented SAND with occasional laminae of silt. 26.86-27.00 m PARTIAL CORE RECOVERY. Firm grey fissured silty clay.			
25.50-26.25	0 N/A									
26.25-27.00	16 N/A					ZONE OF CORE LOSS. Foreman reports gravelly sand and clay. (CRAG DEPOSITS)	Dark brown cemented SAND with occasional laminae of silt. 26.86-27.00 m PARTIAL CORE RECOVERY. Firm grey fissured silty clay.	26.25	-24.61	
27.00-27.75	0 N/A		Flush: 24.75-30.00 Water, 90 %							
27.75-28.50	0 N/A									
28.50-29.25	0 N/A									
29.25-30.00	29 N/A			10/07/2010	2.30		29.76-30.00 m PARTIAL CORE RECOVERY.			
30.00-30.75	0 N/A			30.00 11/07/2010 30.00	0800 1.10		Grey gravelly SAND. Gravel is angular to subangular fine to coarse of mudstone.			
30.75-31.50	0 N/A									
31.50-32.25	0 N/A									
32.25-33.00	0 N/A									
33.00-33.75	0 N/A									
33.75-34.50	17 N/A									
34.50-35.25	0 N/A						34.37-34.50 m PARTIAL CORE RECOVERY. Grey slightly gravelly SAND with frequent shell fragments. Gravel is angular to subangular fine of mudstone.	(16.63)		
35.25-36.00	0 N/A									
36.00-36.75	0 N/A		Flush: 30.00-43.50 Water, 85 %							
36.75-37.50	0 N/A									
37.50-39.00	5 N/A									
39.00-39.75	0 N/A						38.92-39.00 m PARTIAL CORE RECOVERY. Grey fine to coarse SAND			
Stratum continues to 42.88 m										

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Borehole Log



Drilled DP Logged ST/GA Checked MT	Start 05/07/2010 End 13/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick gel, quick troll, EZ mud gold, barites).	Depth from 0.00m to 12.40m Diameter 194mm Casing Depth 12.40m 55.50m	Ground Level +1.64 mOD Coordinates E 647062.26 National Grid N 264089.73 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
39.75-40.50	0 N/A					ZONE OF CORE LOSS. Foreman reports gravelly sand and clay. (CRAG DEPOSITS)			
40.50-41.25	N/A								
41.25-42.00	17 N/A N/A								
42.00-43.00	50 N/A								
42.50-42.88	N/A		CS 8						
43.00-43.40	100 N/A		CS 9						
43.00-43.50	N/A			11/07/2010	2.10	Very stiff dark grey fissured CLAY. Occasional thin laminae of silt and occasional claystone bands present. Occasional fissure surfaces with silt infill. (LONDON CLAY A3)	42.88 -41.24		
				43.50	0800				
43.50-45.00	93 N/A N/A			12/07/2010	1.20				
45.42-45.76	100 N/A		CS 10						
45.00-46.20	N/A								
46.20-47.70	17 N/A N/A								
47.70-49.20	97 N/A N/A								
49.20-50.10	100 N/A		CS 11						
49.70-50.10	N/A								
50.10-51.00	39 N/A N/A								
51.00-52.50	93 N/A N/A								
52.70-53.09	100 N/A		CS 12	12/07/2010	2.40				
52.50-53.60	N/A			52.50	0800				
53.60-54.00	100 N/A								
54.00-55.50	100 N/A N/A								
				13/07/2010	2.40				
				55.50		EXPLORATORY HOLE ENDS AT 55.50 m	55.50 -53.86		

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Borehole Log



Drilled DC Logged GA/EM Checked MT	Start 19/09/2010 End 23/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 11.00m Diameter 250mm Casing Depth 11.00m 11.00m 43.85m 200mm 43.10m	Ground Level +1.67 mOD Coordinates E 647065.67 National Grid N 264093.41 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.10 0.20-0.60	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty SAND with frequent rootlets. (MADE GROUND)	0.10 +1.57			
1.20 1.20-1.65 1.65-1.85 1.90-2.35	W 3 U 4 D 5 U 6	27 blows 260 mm rec		1.10	Orangish brown SAND with rare fine to medium gravel size shell fragments. (MADE GROUND)				
2.35-3.55 2.60-3.05	D 7 U 8	25 blows 410 mm rec	1.90	0.00					
3.05-3.25 3.30-3.75	D 9 U 10	45 blows 300 mm rec	19/09/2010 3.25	1.10	2.75-2.95 m Rare pockets of soft clay 3.05-3.25 m brownish grey horizon	(6.40)			
3.75-3.95 4.00-4.45	D 11 U 12	50 blows	20/09/2010 3.25 3.90	0.50 1.00					
4.45-4.65 4.70-5.15	D 13 U 14	40 blows 365 mm rec	4.70	1.20	Firm dark brown and black amorphous, locally pseudo-fibrous PEAT. (RECENT DEPOSITS)	6.50 -4.83			
5.15-5.35 5.40-5.85	D 15 U 16	35 blows 360 mm rec	5.40	1.30					
5.85-6.05 6.10-6.55	D 17 U 18	30 blows 375 mm rec	6.00	1.40					
6.55-6.75 6.80-7.25	D 19 U 20	10 blows 415 mm rec	6.70	1.20		7.20-7.45 m horizon of soft grey silty clay with rare plant debris	(3.80)		
7.25-7.45 7.50-7.95	D 21 U 22	10 blows 270 mm rec	6.90	7.00					
7.95-8.15 8.20-8.65	D 23 U 24	17 blows 400 mm rec	6.40	dry					
8.65-8.85 8.90-9.35	D 25 U 26	15 blows 395 mm rec	6.90	dry					
9.35-9.55 9.60-10.05	D 27 U 28	17 blows	6.90	dry					
10.30 10.30-10.75 10.75-10.95	W 30 U 31 D 32	35 blows	6.90	4.60		Brown locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	10.30 -8.63		
11.00-11.45 11.00-11.65	U NR B 33	120 blows No recovery	11.00	0.00			10.30-10.75 m brownish grey 11.00-11.65 m Slightly gravelly. Gravel is angular fine to coarse of flint		
11.70-12.15	U 34	50 blows 415 mm rec	11.60	0.00	14.95-15.15 m orangish brown with rare pockets of soft dark grey clay up to 50mm in size 15.65-15.85 m Clayey gravelly sand. Gravel is angular fine to coarse of claystone 17.30-17.75 m yellowish brown horizon	(13.75)			
12.15-12.35 12.40-12.85	D 35 U 36	65 blows	12.30	0.00					
12.85-13.05 13.10-13.55	D 37 U 38	60 blows	13.00	0.00					
13.55-13.75 13.80-14.25	D 39 U 40	100 blows	13.80	0.00					
14.25-14.45 14.50-14.95	D 41 U 42	90 blows	14.50	0.00					
14.95-15.15 15.20-15.65	D 43 U 44	90 blows	15.20	0.00					
15.65-15.85 15.90-16.35	D 45 U 46	* 100 blows 300 mm rec	20/09/2010 15.65	0.40					
16.35-16.55 16.60-17.05 16.60-17.30	D 47 U 48 B 50	100 blows 240 mm rec	15.85 21/09/2010 15.85	0.40					
17.05-17.25 17.30-17.75	D 49 U 51	100 blows 410 mm rec	16.60	0.00					
17.75-17.95 18.00-18.45	D 52 U 53	100 blows 335 mm rec	17.30	0.00					
18.45-18.65 18.70-19.15	D 54 U 55	75 blows	18.70	0.00					
19.15-19.35 19.40-19.85	D 56 U 57	70 blows 420 mm rec	19.40	0.00					
19.85-20.05	D 58								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 24.05 m				

Groundwater Entries			Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)	Depths (m)	Time	Tools used
1	1.20	Rose to 1.10 m after 20 minutes.	-	0.00 43.85	2 No U100 Hammer weights used.		
2	10.30	Rose to 4.50 m after 20 minutes.	-	15.85 29.15	Water added to assist boring.		

Borehole Log



Drilled DC Logged GA/EM Checked MT	Start 19/09/2010 End 23/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m 11.00m	to 11.00m 43.85m	Diameter 250mm 200mm	Casing Depth 11.00m 43.10m	Ground Level Coordinates National Grid Chainage	+1.67 mOD E 647065.67 N 264093.41
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)				
20.10-20.55	U 59	100 blows	20.00	0.20	Brown locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
20.55-20.75	D 60								
20.80-21.25	U 61	120 blows 275 mm rec	20.80	0.40			20.80 m dark brown		
21.25-21.45	D 62								
21.50-21.95	U 63	100 blows	21.50	0.10					
21.95-22.15	D 64								
22.20-22.65	U 65	90 blows	22.10	0.10			22.20-22.85 m orangish brown horizon		
22.65-22.85	D 66								
22.90-23.35	U 67	120 blows 390 mm rec	22.90	0.50					
23.35-23.55	D 68						23.35-23.55 m rare nodules of claystone		
23.60-24.05	U 69	120 blows	23.50	0.40					
24.05-24.25	D 70				Grey, locally dark grey, locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	24.05	-22.38		
24.30-24.75	U NR	100 blows No recovery	24.30	0.30					
24.30-24.45	D 71								
25.00-25.45	U 72	80 blows 365 mm rec	25.00	0.50					
25.45-25.65	D 73								
25.70-26.15	U 74	65 blows 405 mm rec	25.60	0.20					
26.15-26.35	D 75								
26.40-26.85	U 76	100 blows	26.40	0.60					
26.85-27.05	D 77								
27.10-27.55	U 78	110 blows 405 mm rec	27.00	0.30					
27.55-27.75	D 79								
27.80-28.25	U 80	110 blows 370 mm rec	27.80	0.70					
28.25-28.45	D 81								
28.50-28.95	U 82	120 blows 395 mm rec	21/09/2010 28.60	0.20 0.80					
28.95-29.15	D 83		28.50	0.00					
29.20-29.65	U 84	120 blows 380 mm rec	22/09/2010 28.60	0.00 0.00		28.95-29.15 m rare pockets of soft grey silty clay up to 40mm in size			
29.65-29.85	D 85								
29.90-30.35	U 86	120 blows 385 mm rec	29.90	0.00					
30.35-30.55	D 87								
30.60-31.05	U 88	100 blows	30.60	0.00					
31.05-31.25	D 89								
31.40-31.85	U 90	100 blows 310 mm rec	31.30	0.00					
31.85-31.95	D 91					31.85-31.95 m Slightly gravelly. Gravel is angular fine to coarse of claystone			
32.00-32.45	U 92	110 blows	32.00	0.00					
32.45-32.65	D 93								
32.70-33.15	U 94	120 blows 340 mm rec	32.70	0.00					
33.15-33.75	D 95								
33.40-33.85	U 96	120 blows 205 mm rec	33.40	0.00					
33.40-34.05	B 98								
33.85-34.05	D 97								
34.10-34.55	U 99	120 blows 330 mm rec	34.10	0.00					
34.55-34.75	D 100								
34.80-35.25	U 101	100 blows 245 mm rec	34.80	0.00					
35.25-35.45	D 102								
35.50-35.95	U 103	120 blows	35.50	0.00		35.50-35.95 m light grey horizon			
35.95-36.15	D 104								
36.20-36.65	U 105	120 blows 345 mm rec	36.20	0.00		36.20-36.65 m brownish grey horizon			
36.65-36.85	D 106								
36.90-37.55	D 107								
36.90-37.35	U NR	120 blows No recovery	36.90	0.00					
37.60-38.05	U 108	120 blows 390 mm rec	37.60	0.00					
38.05-38.25	D 109								
38.30-38.75	U 110	120 blows 290 mm rec	38.30	0.00		38.05-38.25 m greenish grey horizon			
38.75-38.95	D 111								
39.00-39.45	U 112	120 blows 385 mm rec	39.00	0.00		39.00-39.45 m brownish grey horizon			
39.45-39.65	D 113								
39.70-40.15	U 114	120 blows 345 mm rec	39.70 22/09/2010	0.00 0.20					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 42.90 m				

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Borehole Log



Drilled DC Logged GA/EM Checked MT	Start 19/09/2010 End 23/09/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 11.00m Diameter 250mm Casing Depth 11.00m	Ground Level +1.67 mOD Coordinates E 647065.67 National Grid N 264093.41 Chainage
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Samples and Tests					Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)					
40.15-40.35	D 115		40.05	0800	Grey, locally dark grey, locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS) Very silty brown CLAY. (LONDON CLAY A3ii) EXPLORATORY HOLE ENDS AT 43.85 m	42.50-42.59 m Slightly gravelly Gravel is subrounded medium to coarse of flint	42.90 -41.23 (0.95)			
40.40-40.85	U 116	130 blows 400 mm rec	23/09/2010	0.00						
40.85-41.05	D 117		40.05							
41.10-41.55	U 118	130 blows 200 mm rec	40.40							
41.10-41.75	B 120		41.10	0.00						
41.55-42.25	U 121	140 blows 440 mm rec	41.80	0.00						
42.25-42.45	D 122		42.50	0.00						
42.50-42.95	U 123	120 blows	43.10	1.50						
42.95-43.15	D 124		23/09/2010	1.50						
43.20-43.65	U 125	80 blows	43.85							
43.60-43.85	D 126									

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m 55.45m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
		0.00-1.20 m Hand excavated inspection pit.			Greyish brown fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.40 (0.40) +3.18		
1.20-2.10	37 N/A N/A				Yellowish brown slightly gravelly fine to medium SAND with occasional fine to medium gravel size shell fragments and occasional pockets of soft clay present. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)			
2.25-2.85	80 N/A N/A	CS 7				(3.95)		
2.10-2.85	40 N/A N/A							
2.85-3.60	8 N/A N/A							
3.60-4.35	13 N/A N/A				Grey slightly sandy GRAVEL of subangular to rounded fine to coarse of quartz and flint. (MADE GROUND)	4.35 -0.77		
4.35-5.10	16 N/A N/A					(1.85)		
5.10-5.85	93 N/A N/A							
5.85-6.60	100 N/A N/A	CS 8			Firm dark brown and grey fibrous PEAT. (RECENT DEPOSITS)	6.20 (0.40) -2.62		
6.60-7.00	63 N/A N/A				Soft grey thinly laminated extremely closely fissured CLAY with frequent plant material present. Slight organic odour. (RECENT DEPOSITS)	6.60 (0.40) -3.02		
6.60-8.10	19 N/A N/A		06/08/2010 2.58	1.90		(0.95)		
			07/08/2010 2.58	1.80		7.55 -3.97		
8.10-9.60	13 N/A N/A				Firm dark brown and black fibrous, locally pseudo-fibrous, PEAT. (RECENT DEPOSITS)	(2.05)		
		Flush: 1.20-17.85 Water, 95 %						
9.60-10.35	0 N/A N/A				Yellowish grey and blueish grey slightly clayey fine to medium SAND with few fine to medium gravel size shell fragments. (RECENT DEPOSITS)	9.60 -6.02 (0.75)		
10.35-11.10	51 N/A N/A					10.35 -6.77		
11.10-11.85	100 N/A N/A				ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS)	(1.87)		
12.22-12.60	71 N/A N/A	CS 9				12.22 -8.64		
11.85-12.60	0 N/A N/A				Yellowish grey and grey fine to coarse SAND with occasional laminae of firm orangish brown silty clay and frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(1.88)		
12.60-13.35	13 N/A N/A							
13.35-14.10	0 N/A N/A				ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS)	14.10 -10.52		
14.10-14.85	13 N/A N/A							
14.85-15.60	0 N/A N/A							
15.60-16.35	0 N/A N/A							
16.35-17.10	33 N/A N/A					(6.00)		
17.10-17.85	31 N/A N/A		07/08/2010 17.85	1.70				
17.85-18.60	7 N/A N/A		08/08/2010 17.85	1.10				
18.60-19.35	67 N/A N/A	CS 10						
19.35-20.10								
19.35-20.10								

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 32.00 Geobor S extended pilot bit used..	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m 55.45m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests						Strata			Groundwater Entries							
Depth	TCR SCR RQD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	No.	Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks *	Chiselling Depths (m)	Time	Tools used
20.10-20.85	100 N/A N/A					ZONE OF CORE LOSS. Foreman reports gravelly sand. (Probably CRAG DEPOSITS) :: 17.60m - fragments and 2 No. subrounded medium quartz	20.10 -16.52									
20.85-21.60	24 N/A N/A					Grey and brownish grey fine to coarse SAND with occasional very thin firm grey clay laminae and occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS) 20.85-21.42 m NO RECOVERY										
21.60-22.35	100 N/A N/A															
22.35-23.10	33 N/A N/A															
23.45-23.85	53 N/A N/A		CS 11													
23.10-23.85	21 N/A N/A															
23.85-24.60	21 N/A N/A															
24.60-25.35	36 N/A N/A															
25.35-26.10	57 N/A N/A															
26.10-26.85	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS) 24.60-25.08 m NO RECOVERY	25.95 -22.37									
26.85-27.60	27 N/A N/A															
27.83-28.35	69 N/A N/A		CS 12													
27.60-28.35	27 N/A N/A															
28.35-29.10	60 N/A N/A			08/08/2010	1.50											
29.10-29.85	7 N/A N/A			29.10	0800											
29.85-30.60	100 N/A N/A			09/08/2010	1.15											
31.03-31.45	64 N/A N/A		CS 13			Grey and brownish grey fine to coarse SAND with frequent fine to coarse gravel size shell fragments and few very thin soft grey clay laminae. (CRAG DEPOSITS) 27.40-27.60 m PARTIAL CORE RECOVERY.	29.85 -26.27									
30.60-31.70	64 N/A N/A															
31.70-32.00			TCR 0, SCR NR, RQD NR			ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS) 27.78-28.35 m PARTIAL CORE RECOVERY.	31.70 -28.12									
32.00-33.10	77 N/A N/A															
33.10-34.60	5 N/A N/A															
34.64-35.04	91 N/A N/A		CS 14													
34.60-35.35	11 N/A N/A															
35.35-36.10	11 N/A N/A															
36.10-36.85	0 N/A N/A					Flush: 17.85-55.20 Water, 90 %										
36.85-37.60	0 N/A N/A			09/08/2010	1.60											
37.60-38.35	13 N/A N/A			37.60	0800											
38.35-39.10	11 N/A N/A			10/08/2010	1.20											
39.10-39.85	0 N/A N/A			37.60												
						Stratum continues to 46.80 m										

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m) 32.00 47.35	Depth Related Remarks * Geobor S hexagonal short nosed pilot bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged GA Checked MT	Start 06/08/2010 End 11/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, Quik Gel, Quik Troll, EZ mud gold and barites)	Depth from 0.00m to 5.70m Diameter 194mm Casing Depth 5.70m 55.45m	Ground Level +3.58 mOD Coordinates E 647059.02 National Grid N 263871.80 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
39.85-40.60	7 N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)				
40.60-41.35	0 N/A									
41.35-42.10	0 N/A									
42.10-42.85	0 N/A									
42.85-43.60	5 N/A									
43.60-44.35	13 N/A									
44.35-45.10	0 N/A									
45.10-45.85	13 N/A									
45.85-46.60	11 N/A									
46.60-47.35	0 N/A			10/08/2010 47.35	2.00		ZONE OF CORE LOSS Boundary uncertain. (Possible LONDON CLAY)	46.80 -43.22		
47.35-48.05	0 N/A			11/08/2010 47.35	0800 1.90		(1.70)			
48.05-48.80	100 N/A		CS 15				48.50 -44.92			
48.80-49.75	100 N/A		CS 18			Very stiff dark grey, locally blueish grey, CLAY, locally tending to extremely weak mudstone. (LONDON CLAY A3ii)				
49.75-50.85	100 N/A									
50.85-51.95	100 N/A		CS 19							
51.50-51.60	100 N/A		CS 16				(6.80)			
51.60-51.95	100 N/A									
51.95-52.85	100 N/A									
53.10-53.25	100 N/A		CS 20							
52.85-53.60	100 N/A									
53.60-54.35	100 N/A									
54.35-54.75	100 N/A		CS 17							
54.75-55.45	100 N/A			11/08/2010 55.26	1.60					
						Very stiff dark grey extremely closely fissured CLAY. (LONDON CLAY A2)	55.30 -51.72			
						EXPLORATORY HOLE ENDS AT 55.45 m	55.45 -51.87			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 47.35 55.20 Geobor S clam bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC	Start 18/10/2010	Equipment, Methods and Remarks Dand 3000 Cable percussion boring.	Depth from 0.00m	to 9.60m	Diameter 250mm	Casing Depth 9.60m	Ground Level +3.75 mOD
Logged PM	End 25/10/2010		0.00m	9.60m	250mm	9.60m	Coordinates E 647056.51
Checked MT			9.60m	48.15m	200mm	46.10m	National Grid N 263869.58

Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.10 0.30 0.50-1.00	D 1 D 2 B 3	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty slightly gravelly SAND with rare rootlets. Gravel is subangular to subrounded fine to coarse of chalk, sandstone and flint. (MADE GROUND)		0.10 +3.65		
1.20-1.65	U 4	27 blows 300 mm rec		dry	Orangish brown slightly silty slightly gravelly SAND with occasional coarse gravel sized pockets of grey clay. Gravel is subangular to subrounded fine to coarse of chalk, sandstone and flint. (MADE GROUND)		(3.90)		
1.65-1.85 1.90-2.35	D 5 U 6	85 blows 350 mm rec	1.90	dry	Brown slightly silty gravelly SAND. Gravel is subangular fine to coarse of chalk, flint and sandstone. (Possibly MADE GROUND)		4.00 -0.25		
2.35-2.55 2.60-3.05	D 7 U 8	70 blows	2.60	dry	Firm brown black clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)		(2.55)		
3.05-3.25 3.30-3.75	D 9 U 10	85 blows 200 mm rec	3.00	dry	Plastic black, pseudo-fibrous PEAT. (RECENT DEPOSITS)		7.95 -4.20		
3.75-3.95 4.00-4.45	D 11 U 12	100 blows 320 mm rec	3.90	dry	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)		(1.40)		
4.45-4.65 4.70-5.15	D 13 U 14	70 blows 290 mm rec	4.50	dry	Plastic black, pseudo-fibrous PEAT. (RECENT DEPOSITS)		(1.40)		
5.15-5.35 5.40-5.85	D 15 U 16	85 blows 300 mm rec	18/10/2010 4.50	dry 2.50	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)		9.35 -5.60		
5.85-6.05 6.10-6.55	D 17 U 18	23 blows	19/10/2010 4.50	dry 6.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
6.55-6.75 6.80-7.25	D 19 U 20	20 blows	6.70	dry	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
7.25-7.45 7.50-7.95	D 21 U 22	9 blows	6.70	dry	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
7.95-8.15 8.20-8.65	D 23 U 24	20 blows	6.70	dry	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
8.65-8.85 8.90-9.35	D 25 U 26	13 blows	6.70	dry	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
9.35-9.55 9.60-10.05	D 27 U 28	17 blows 390 mm rec	9.60	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
10.05-10.25 10.30-10.75	D 29 U 30	45 blows 350 mm rec	10.30	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
10.75-10.95 11.00-11.45	D 31 U 32	70 blows 410 mm rec	11.00	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
11.45-11.65 11.70-12.15	D 33 U 34	35 blows 420 mm rec	11.70	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
12.15-12.35 12.40-12.85	D 35 U 36	60 blows	12.40	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
12.85-13.05 13.10-13.55	D 37 U 38	50 blows	13.10	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
13.55-13.75 13.80-14.25	D 39 U 40	60 blows 400 mm rec	13.80	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
14.25-14.45 14.50-14.95	D 41 U 42	60 blows 410 mm rec	14.50	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
14.95-15.15 15.20-15.65	D 43 U 44	70 blows 400 mm rec	15.20	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
15.65-15.85 15.90-16.35	D 45 U 46	70 blows 360 mm rec	15.90	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
16.35-16.55 16.60-17.05	D 47 U 48	65 blows 350 mm rec	16.60	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
17.05-17.25 17.30-17.75	D 49 U 50	80 blows 210 mm rec	17.30	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
17.75-17.95 18.00-18.45	D 51 U 52	65 blows	18.00	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
18.45-18.65 18.70-19.15	D 53 U 54	60 blows 420 mm rec	18.70	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
19.15-19.35 19.40-19.85 19.40-20.10 19.85-20.05	D 55 U 56 B 58 D 57	100 blows 170 mm rec	18.40	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
Stratum continues to 46.10 m									

Groundwater Entries			Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)	Depths (m)	Time	Tools used
1	9.30	Rose to 7.40 m after 20 minutes.	-	1.20 20.10			1 No. U100 Hammer weight used.

Borehole Log



Drilled DC Logged PM Checked MT	Start 18/10/2010 End 25/10/2010	Equipment, Methods and Remarks Dand 3000 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m 46.10m	Ground Level +3.75 mOD Coordinates E 647056.51 National Grid N 263869.58 Chainage
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Samples and Tests					Strata							
Depth	Type & No	Records	Date	Time	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments				
			Casing	Water								
20.10-20.55	U NR	* 100 blows No recovery	20.10	0.00	Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(36.75)						
20.10-20.80	B 59		20.10	0.80								
			20/10/2010	3.70								
20.80-21.25	U 60	60 blows 320 mm rec	20.10	0.00								
21.25-21.45	D 61											
21.50-21.95	U 62	100 blows 290 mm rec	21.50	0.00								
21.95-22.15	D 63											
22.20-22.65	U 64	100 blows 200 mm rec	22.20	0.00								
22.20-22.90	B 66											
22.65-22.85	D 65											
22.90-23.35	U 67	100 blows 200 mm rec	22.90	0.00								
22.90-23.60	B 69											
23.35-33.55	D 68											
23.60-24.50	U 70	70 blows 430 mm rec	23.60	0.00								
24.05-24.25	D 71											
24.30-24.75	U 72	80 blows 400 mm rec	24.30	0.00								
24.45-25.65	D 75											
24.75-24.95	D 73											
25.00-25.45	U 74	80 blows 380 mm rec	25.00	0.00								
25.70-26.15	U 76	65 blows 400 mm rec	25.70	0.00								
26.15-26.35	D 77											
26.40-26.85	U 78	70 blows 230 mm rec	26.40	0.00								
26.85-27.05	D 79											
27.10-27.55	U 80	70 blows 250 mm rec	27.10	0.00								
27.55-27.75	D 81											
27.80-28.25	U NR	70 blows No recovery	27.80	0.00								
27.80-28.50	B 82											
28.50-28.95	U 83	85 blows 400 mm rec	28.50	0.00								
28.95-29.15	D 84											
29.20-29.65	U 85	75 blows 400 mm rec	29.20	0.00								
29.65-29.85	D 86											
29.90-30.35	U 87	90 blows 400 mm rec	29.90	0.00								
30.35-30.55	D 88											
30.60-31.05	U 89	95 blows 380 mm rec	30.60	0.00								
31.05-31.25	D 90											
31.30-31.75	U 91	90 blows 400 mm rec	31.30	0.00								
31.75-31.95	D 92											
32.00-32.45	U 93	110 blows 310 mm rec	32.00	0.00								
32.45-32.65	D 94											
32.70-33.15	U 95	95 blows 350 mm rec	32.70	0.00								
33.15-33.35	D 96											
33.35-33.85	U 97	120 blows 350 mm rec	33.40	0.00								
33.85-34.05	D 98											
34.10-34.55	U 99	140 blows 230 mm rec	34.10	0.00								
34.55-34.75	D 100											
34.80-35.25	U 101	130 blows 300 mm rec	34.80	0.00								
35.25-35.45	D 102		20/10/2010	0.00								
35.45-38.35	D 110		34.80	0.80								
35.60-36.05	U 103	90 blows 340 mm rec	21/10/2010	0.00								
36.05-36.25	D 104		35.60	3.50								
36.30-36.75	U 105	100 blows 300 mm rec	34.80	0.00								
36.75-36.95	D 106		36.30	0.00								
37.00-37.45	U 107	120 blows 390 mm rec	37.00	0.00								
37.45	D 108											
37.70-38.15	U 109	120 blows 300 mm rec	37.70	0.00								
38.40-38.85	U 111	100 blows 350 mm rec	38.40	0.00								
38.85-39.05	D 112											
39.10-39.55	U 113	110 blows 360 mm rec	39.10	0.00								
39.55-39.75	D 114											
39.80-40.25	U 115	120 blows 300 mm rec	38.80	0.00								
Depth	Type & No	Records	Date	Time					Stratum continues to 46.10 m			
			Casing	Water								

Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)	Depth Related Remarks * From to (m) 20.10 48.15 2 No. U100 Hammer weights used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC Logged PM Checked MT	Start 18/10/2010 End 25/10/2010	Equipment, Methods and Remarks Dand 3000 Cable percussion boring.	Depth from 0.00m to 9.60m Diameter 250mm Casing Depth 9.60m 46.10m	Ground Level +3.75 mOD Coordinates E 647056.51 National Grid N 263869.58 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
40.25-40.45	D 116				Brownish grey slightly silty to silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
40.50-40.95	U 117	115 blows 390 mm rec	40.50	0.00				
40.95-41.15	D 118							
41.20-41.65	U 119	130 blows 390 mm rec	41.20	0.00				
41.65-41.85	D 120							
41.90-42.35	U 121	120 blows 300 mm rec	41.90	0.00				
42.35-42.55	D 122							
42.60-43.05	U 123	120 blows 380 mm rec	42.60	0.00				
43.05-43.25	D 124							
43.30-43.75	U 125	105 blows 380 mm rec	43.30	0.00				
43.75-43.95	D 126							
44.00-44.45	U NR	120 blows No recovery	44.00	0.00				
44.45-44.70	D 127							
44.70-45.15	U 128	130 blows 370 mm rec	44.70	0.00				
45.15-45.35	D 129							
45.40-45.85	U NR	120 blows No recovery	45.40	0.00				
45.40-46.10	B 130							
46.10-46.55	U 132	70 blows 300 mm rec	46.10	0.00	Stiff greyish brown slightly sandy CLAY. (LONDON CLAY - A3ii)	46.10	-42.35	
46.10	D 131							
46.55-46.75	D 133		21/10/2010	4.90				
46.80-47.25	U 134	60 blows	46.40	6.30				
47.25-47.45	D 135		25/10/2010	4.50				
47.50-47.99	U 136	70 blows 450 mm rec	46.40	7.40	(2.05)			
47.99-48.15	D 137		25/10/2010	7.40				
			46.40		EXPLORATORY HOLE ENDS AT 48.15 m	48.15	-44.40	

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled AD/PS	Start 16/09/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m	to 12.70m	Diameter 300mm	Casing Depth 12.75m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
Logged GA/ST	End 12/10/2010		12.70m	28.55m	250mm	28.55m	
Checked MT			28.55m	48.40m	200mm	48.40m	

Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
0.20-0.50 0.20-0.50 0.60-1.20 0.60-1.20	B 1A D 2A B 3A D 4A	0.00-1.20 m Hand excavated inspection pit.			Grey brown slightly silty SAND with frequent rootlets. (MADE GROUND)	0.10 +3.37 (1.10)		
1.20-1.70 1.20-1.65	B 1 U NR	24 blows No recovery	1.00	0.00	Yellow slightly gravelly SAND. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (Possibly RECENT DEPOSITS)	1.20 +2.27 (1.00)		
1.75-2.20 1.75-2.20	B 2 U NR	28 blows No recovery	1.60	0.70	Multicoloured sandy angular to rounded fine to coarse GRAVEL of various lithologies including flint. (Possibly RECENT DEPOSITS)	2.20 +1.27 (2.80)		
2.30-2.75	U 3	31 blows 300 mm rec	2.20	1.00	Light grey SAND. (RECENT DEPOSITS)			
2.80-3.25	U 4	27 blows 250 mm rec	2.70	0.40				
3.30-3.75	U 5	32 blows 300 mm rec	3.20	0.00				
3.80-4.25	U 6	33 blows 350 mm rec	3.70	0.00				
4.35-4.80	U 7	41 blows 200 mm rec	4.10	0.00				
5.00-6.00	B 8		16/09/2010 5.00	2.80	Grey, light grey and brown slightly sandy slightly gravelly angular to subrounded COBBLES of flint. Sand is fine to coarse. Gravel is angular to rounded fine to coarse of various lithologies including flint. (RECENT DEPOSITS)	5.00 -1.53 (1.20)		
6.20-6.80 6.20-6.65 6.65-7.10 6.80-7.10 7.10-7.55	B 11 U 9 U 10 B 12 U 13	21 blows 19 blows 350 mm rec 17 blows	6.00 6.40 7.00	1.10 4.20 5.75	Soft to firm, locally thinly laminated, blueish grey mottled black CLAY. (RECENT DEPOSITS)	6.20 -2.73 (2.80)		
7.60 7.65-8.10 8.15 8.20-8.65 8.70 8.75-9.20	D 14 U 15 D 16 U 17 D 18 U 19	11 blows 11 blows 410 mm rec 10 blows	7.00 7.00 7.00	6.10 7.20 8.15	Very soft dark grey silty CLAY. (RECENT DEPOSITS)	9.00 -5.53 (3.20)		
9.30 9.35-9.80 9.85 10.00-10.45 10.50 10.55-11.00 11.05 11.10-11.55 11.60 11.65-12.10 12.15 12.20-12.65	D 20 U 21 D 22 U 23 D 24 U 25 D 26 U 27 D 28 U 29 D 30 U 31	10 blows 370 mm rec 8 blows 7 blows 15 blows 14 blows 14 blows	7.00 7.00 17/09/2010 7.00 18/09/2010 7.00 7.00 7.00	8.10 9.20 9.10 8.40 0.00 2.80 0.00	Firm dark grey clayey amorphous PEAT. (RECENT DEPOSITS)	12.20 -8.73 (0.90)		
12.70 12.75-13.20 12.80 13.00-13.45 13.50 13.55-14.00 14.05-14.50	D 32 U 33 D 34 U 35 D 36 U 37 U 38	31 blows 220 mm rec 40 blows 420 mm rec 42 blows 370 mm rec 43 blows 300 mm rec	12.50 12.70	1.00 0.30	Grey silty fine to medium SAND. (Possibly CRAG DEPOSITS)	13.10 -9.63 (3.75)		
14.55 14.55-15.00 15.05 15.20-15.65	D 39 U 40 D 41 U 42	44 blows 300 mm rec 61 blows 330 mm rec	14.10 14.16 19/09/2010	0.00 1.31 0.00	Soft thinly laminated grey silty CLAY. (Possibly CRAG DEPOSITS)	16.85 -13.38 17.00 -13.53		
15.70 15.75-16.20 16.25 16.35-16.80 16.85 17.00-17.45	D 43 U 44 D 45 U 46 D 47 U 48	66 blows 62 blows 390 mm rec 63 blows 400 mm rec	15.00 14.10 15.50 16.00	2.80 0.90 1.30	Grey locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
17.50 17.55-18.00 18.05 18.10-18.55 18.60 18.70-19.15 19.20 19.40-19.85	D 49 U 50 D 51 U 52 D 53 U 54 D 55 U 56	59 blows 64 blows 84 blows 72 blows 400 mm rec	17.30 17.90 18.60 19.20	0.00 0.00 1.00 1.00	Stratum continues to 47.00 m			

Groundwater Entries		Depth sealed (m)	Depth Related Remarks *	Chiselling Depths (m)	Time	Tools used
No.	Struck (m) Post strike behaviour					
1	2.80 -	2.80	0.00 48.40 2 No U100 Hammer weights used.	5.00-6.00	120 mins	

Borehole Log



Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 12.70m 28.55m 48.40m	to 12.70m 28.55m 48.40m 120.00m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date	Time	Description				
20.00-20.45	U 58	82 blows 425 mm rec	19.70	0.75	Grey locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS) 20.45 m pocket of soft grey clay 21.45 m slightly gravelly. Gravel is subrounded coarse of claystone 22.65 m rare grey clay pockets 25.00-25.50 m greyish brown angular coarse GRAVEL of claystone 29.05 m rare soft grey silty clay pockets 33.55 m occasional pockets of soft grey silty clay 37.85-38.30 m slightly gravelly of subrounded fine to medium claystone	(30.00)			
20.50	D 59								
20.65-21.10	U NR	80 blows 370 mm rec	20.00	1.10					
21.10-21.55	U 61	80 blows 370 mm rec	21.00	0.60					
21.60	D 62		19/09/2010	2.80					
21.70-22.15	U 63	79 blows 380 mm rec	21.56	0.800					
22.20	D 64		20/09/2010	3.15					
22.30-22.75	U 65	82 blows 360 mm rec	21.50	1.95					
22.90-23.35	U 66	81 blows 380 mm rec	22.00	0.40					
23.40-23.85	U 67	77 blows 390 mm rec	22.00	0.35					
24.00-24.45	U 68	88 blows	23.00	0.60					
24.50	D 69		23.60	1.10					
24.55-25.00	U 70	82 blows 380 mm rec	24.30	1.10					
25.00-25.50	B 71								
25.50-26.00	B 72		25.30	2.10					
25.50-25.95	U NR	77 blows No recovery	25.30	2.10					
26.00-26.45	U 73	84 blows	25.70	1.35					
26.50	D 74		26.30	4.10					
26.55-27.00	U 75	91 blows 420 mm rec	26.50	3.70					
27.05-27.25	U 76	94 blows	26.50	3.70					
27.55-28.00	U 77	101 blows 345 mm rec	27.10	4.20					
28.05-28.50	U 78	107 blows 410 mm rec	27.70	0.00					
28.55-29.00	U 79	84 blows	20/09/2010	3.15					
29.05	D 80		27.50	0.00					
29.05-29.50	U 81	91 blows	27.50	0.00					
29.55	D 82		28.70	0.00					
29.60-30.05	U NR	92 blows No recovery	29.00	0.00					
30.10-30.55	U 83	84 blows	29.70	0.00					
30.60	D 84		30.50	1.10					
30.70-31.15	U 85	79 blows	30.50	1.10					
31.20	D 86		31.00	0.70					
31.30-31.75	U 87	82 blows 300 mm rec	31.00	0.70					
31.50	D 88								
32.00-32.45	U 89	94 blows 350 mm rec	31.70	1.00					
32.55-33.00	U 90	95 blows 405 mm rec	32.00	0.75					
33.05-33.50	U 91	97 blows 310 mm rec	32.70	0.80					
33.55-34.00	U 92	89 blows 260 mm rec	33.00	0.90					
34.05-34.50	U NR	97 blows No recovery	33.70	0.40					
34.05-34.50	B 93		21/09/2010	0.65					
34.55-35.00	U 94	96 blows 320 mm rec	34.00	0.00					
35.05-35.50	U 95	92 blows 210 mm rec	34.00	0.00					
35.55-36.00	U NR	87 blows No recovery	34.00	0.00					
35.55-36.00	B 96		22/09/2010	0.00					
36.05-36.50	U 97	110 blows 220 mm rec	34.00	0.00					
36.70-37.15	U 98	120 blows 280 mm rec	35.00	0.00					
37.35-37.80	U 99	118 blows 210 mm rec	35.70	0.00					
37.85-38.30	U NR	111 blows No recovery	37.00	0.00					
37.85-38.30	B 100								
38.55-39.00	U 101	117 blows 400 mm rec	37.00	0.00					
39.10	D 102		38.00	0.00					
39.15-39.60	U 103	114 blows 370 mm rec	38.00	0.80					
39.70	D 104		39.40	0.75					
39.80-40.25	U 105	111 blows 420 mm rec	39.40	0.75					
Depth	Type & No	Records	Date	Time	Stratum continues to 47.00 m				

Groundwater Entries			Depth sealed		Depth Related Remarks *			Chiselling		
No.	Struck	Post strike behaviour	(m)		From to (m)			Depths (m)	Time	Tools used
								25.00 -25.50	60 mins	

Borehole Log



Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests					Strata			Groundwater			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments			
40.35	D 106				Grey locally slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)						
40.45-40.90	U 107	98 blows 390 mm rec	40.00	0.00							
41.00-41.45	U NR	110 blows No recovery	40.50	0.00							
41.00-41.50	B 108										
41.50-42.00	U NR	107 blows No recovery	41.00	0.00							
41.55-42.00	B 109										
42.05-42.50	U 110	98 blows 110 mm rec	41.70	0.20							
42.55-43.00	U 111	115 blows 300 mm rec	42.00	0.00							
43.05-43.50	B 112										
43.50	U NR	113 blows No recovery	22/09/2010	0.75							
43.55-44.00	U 113	111 blows 270 mm rec	43.00	0.00							
44.15-44.60	U NR	98 blows No recovery	23/09/2010	0.80							
44.15-44.60	B 114		43.00	0.800							
44.80-45.25	U NR	84 blows No recovery	44.00	0.00							
44.80-45.25	B 115		44.20	0.00							
45.45-45.90	U NR	86 blows No recovery	45.00	0.00							
45.45-45.90	B 116										
46.00-46.45	U NR	82 blows No recovery	45.60	0.00							
46.00-46.45	B 117										
46.56-47.00	U 118	72 blows 100 mm rec	46.00	0.00							
					Stiff greyish brown slightly sandy CLAY. (LONDON CLAY A3ii)	47.00	-43.53				
47.90-48.35	U 119	88 blows 400 mm rec	47.70	0.00		(1.40)					
48.40	D 120		23/09/2010	1.10							
48.77-49.32	98 N/A	CS 121	01/10/2010	0.800	Firm to stiff greyish brown sandy to very sandy fissured CLAY. Fissures are subhorizontal closely spaced. (LONDON CLAY A3ii)	48.40	-44.93				
48.40-49.72	N/A		48.40	1.66							
		Flush: 48.40-51.22 mud, 80 %									
49.72-51.22	93 N/A										
51.36-51.56		CS 122									
51.69-51.81	41 N/A	CS 123									
51.22-52.72	N/A										
52.99-53.42		CS 134									
52.72-54.22	100 N/A	Flush: 51.22-55.72 mud, 70 %									
54.52-54.72		CS 124									
54.22-55.72	89 N/A										
56.14-56.53		CS 135									
55.72-57.22	86 N/A										
57.54-58.23		CS 136									
57.22-58.72	100 N/A										
58.23-58.72	N/A	CS 125									
58.72-59.23		CS 137									
58.72-59.23		Flush: 55.72-61.72 mud, 65 %									
59.23-59.84	100 N/A	CS 138									
58.72-60.22	N/A										
					Stratum continues to 61.72 m						

Groundwater Entries			Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From (m)	to (m)	Depths (m)	Time	Tools used
				48.40	98.62			Geobor S PCD Clam bit used.

Borehole Log



Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests						Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)						
60.22-61.72	67 N/A		CS 126			Firm to stiff greyish brown sandy to very sandy fissured CLAY. Fissures are subhorizontal closely spaced. (LONDON CLAY A3ii)	60.42-60.91 m NO RECOVERY					
61.32-61.72	N/A											
61.72-63.22	30 N/A		CS 127	01/10/2010 03.22	0.00	ZONE OF CORE LOSS. Foreman reports sand. (Probably LAMBETH GROUP - SAND)	61.72 -58.25					
63.22-63.97	0 N/A											
63.97-64.72	31 25		CS 127	02/10/2010 03.22	0800	ZONE OF CORE LOSS. Foreman reports siltstone. (Probably LAMBETH GROUP)	62.68-63.18 m PARTIAL CORE RECOVERY. brown sandy silt. 63.18-63.22 m PARTIAL CORE RECOVERY.			(2.25)		
64.49-64.67	17											
64.72-65.47	21 N/A		CS 128			ZONE OF CORE LOSS. Foreman reports sand. (Probably LAMBETH GROUP - SAND)	64.49-64.72 m PARTIAL CORE RECOVERY. moderately strong brown fine grained sandstone 65.31-65.47 m PARTIAL CORE RECOVERY. brown silty sand 66.84-66.87 m PARTIAL CORE RECOVERY.			(2.41)		
65.47-66.22	0 N/A											
66.22-66.97	17 N/A		CS 128			Brown silty SAND with horizons of grey fine grained sandstone up to 70mm in thickness. (LAMBETH GROUP - SAND)	66.84-66.87 m PARTIAL CORE RECOVERY. brown silty sand			(0.59)		
66.97-67.72	79 N/A											
67.41-67.69	0 N/A		CS 129	02/10/2010 70.72	0800	ZONE OF CORE LOSS. Foreman reports sand. (Probably LAMBETH GROUP - SAND)	67.41-67.69 m PARTIAL CORE RECOVERY. brown silty sand			(3.41)		
67.72-68.47	0 N/A											
68.47-69.22	48 N/A		CS 130	03/10/2010 70.72	1.82	Brown silty fine to medium SAND. (LAMBETH GROUP - SAND)	68.47-69.22 m PARTIAL CORE RECOVERY. brown silty sand			(3.41)		
69.22-69.97	0 N/A											
69.97-70.72	0 N/A		CS 129			Brown silty fine to medium SAND. (LAMBETH GROUP - SAND)	69.97-70.72 m PARTIAL CORE RECOVERY. brown silty sand			(3.75)		
70.72-71.57	52 N/A											
71.57-72.22	100 N/A		CS 130			Stiff grey CLAY. (LAMBETH GROUP - CLAY)	71.57-72.22 m NO RECOVERY			(74.88)		
72.00-72.10	63 N/A											
72.22-72.97	83 N/A		CS 131	03/10/2010 78.04	0.00	Stiff grey CLAY. (LAMBETH GROUP - CLAY)	72.22-72.97 m NO RECOVERY			(4.91)		
72.97-73.72	83 N/A											
73.72-74.47	87 N/A		CS 131	04/10/2010 78.04	1.82	Stiff grey CLAY. (LAMBETH GROUP - CLAY)	73.72-74.47 m NO RECOVERY			(4.91)		
74.47-75.22	88 N/A											
75.22-76.72	22 N/A		CS 131			Stiff grey CLAY. (LAMBETH GROUP - CLAY)	75.22-76.72 m NO RECOVERY			(4.91)		
76.72-77.29	88 N/A											
77.29-78.04	79 N/A		CS 131	03/10/2010 78.04	0.00	Stiff grey CLAY. (LAMBETH GROUP - CLAY)	77.29-78.04 m NO RECOVERY			(4.91)		
78.05-78.50	100 N/A											
78.50-78.90	100 N/A		CS 131			Stiff grey CLAY. (LAMBETH GROUP - CLAY)	78.50-78.90 m NO RECOVERY			(4.91)		
78.90-79.79	100 N/A											
79.79-79.79							79.79 -76.32					

Groundwater Entries			Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used

Borehole Log



Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests				Strata			Groundwater		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
79.79-81.12	98 N/A N/A					Very stiff greyish brown slightly sandy fissured CLAY. Fissures are subhorizontal closely to widely spaced. (LAMBETH GROUP - CLAY)			
81.12-81.60			CS 132						
81.12-82.62	100 N/A N/A						81.52-81.57 m 1 No 70 degree smooth planar fissure	(6.16)	
83.23-83.55	100 N/A N/A		CS 139						
82.62-84.12			CS 140						
83.70-84.05			CS 133						
84.12-84.60							84.25 m light greyish brown horizon		
84.12-85.65	100 N/A N/A						85.40-85.52 m 1 No 80 degree smooth planar fissure	85.95 -82.48	
85.65-87.12	20 0 0			04/10/2010 0.00 07.12 0800 05/10/2010 0.33 87.12			Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports chalk returns in flush. (Probably CHALK)		
87.12-87.87	0 0 0						85.52-85.70 m 1 No subvertical fissure		
87.87-88.62	0 0 0								
88.62-89.37	0 0 0								
89.37-90.12	0 0 0								
90.12-90.87	0 0 0								
90.87-91.62	0 0 0		Flush: 87.12-95.37 mud, 80 %						
91.62-92.37	0 0 0								
92.37-93.12	0 0 0								
93.12-93.87	0 0 0					93.12-95.37 m foreman reports green/grey returns			
93.87-94.62	0 0 0								
94.62-95.37	0 0 0								
95.37-96.12	0 0 0								
96.12-96.87	0 0 0		Flush: 95.37-97.62 mud, 60 %				(22.52)		
96.87-97.62	0 0 0								
97.62-98.62	0 0 0		Flush: 97.37-98.62 mud, 50 %	05/10/2010 0.00 06.62 0800 06/10/2010 0.23 98.62					
98.62-99.37	0 0 0		Flush: 98.62-100.12 mud, 75 %						
99.37-100.12	0 0 0			06/10/2010					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 108.47 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From	to (m)	Depths (m)	Time	Tools used
					98.62	120.00			Geobor S surface set 7 step bit used.

Borehole Log



Drilled AD/PS Logged GA/ST Checked MT	Start 16/09/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 175, Geotech 6 and Triplex pump Cable percussion boring 0.00m to 48.40m. Rotary core drilling (Geobor S) using polymer mud flush 48.40m to 120.00m. (EZ mud plus and Barites)	Depth from 0.00m to 12.70m 12.70m 28.55m 48.40m	Diameter 300mm 250mm 200mm 146mm	Casing Depth 12.75m 28.55m 48.40m 120.00m	Ground Level +3.47 mOD Coordinates E 647594.39 National Grid N 264210.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
100.12-100.57			SPT S N=122 (5,12/34,28,28) SW= 880	07/10/2010	0800	Stratum boundary uncertain ZONE OF CORE LOSS. Foreman reports chalk returns in flush. (Probably CHALK)			
100.12-101.62	0 0 0			07/10/2010	0800				
101.62-102.62	0 0 0						101.62-102.17 m shelby sample attempted. (NO RECOVERY)		
102.62-103.62	0 0 0						102.62-103.17 m shelby sample attempted. (NO RECOVERY)		
103.62-105.12	0 0 0						103.62-104.52 m PARTIAL CORE RECOVERY. U70 - structureless chalk composed of greyish white slightly sandy slightly gravelly SILT. Gravel is extremely weak of fine grained chalk		
105.12-106.62	0 0 0			07/10/2010	0.35		105.12-105.78 m PARTIAL RECOVERY. U70 - structureless chalk composed of greyish white sandy clay		
106.62-108.12	0 0 0			08/10/2010	0800		106.62-107.26 m PARTIAL CORE RECOVERY. U70 - structureless chalk composed of greyish white sandy clay		
108.12-108.87	53 17 0			106.62	1.14		106.62-107.26 m PARTIAL CORE RECOVERY. U70 - structureless chalk composed of greyish white sandy clay	08.47	-105.00
108.87-109.62	61 28 0			08/10/2010	0800		Weak, low to medium density greyish white CHALK. Fractures are subhorizontal, closely spaced, clean. (WHITE CHALK A3)		
109.62-110.37	0 0 0		Flush: 100.12-120.00 mud, 80 %	106.62	0.46		107.20 m 1 No partially rinded flint 80mm in size 108.47-108.72 m recovered as sandy slightly gravelly clay. Gravel is partially rinded flint up to 60mm in size	(4.90)	
110.37-111.12	91 59 0			11/10/2010	0800	109.00-109.12 m drilling induced NI			
111.12-111.87	35 0 0			106.62	0.00	109.23-109.33 m drilling induced NI			
111.87-112.62	0 0 0					109.33-110.50 m AZCL			
112.62-113.37	52 0 0					111.00-111.12 m drilling induced NI	13.37	-109.90	
113.37-114.87	0 0 0					ZONE OF CORE LOSS. Foreman reports chalk. (Probably CHALK)			
114.87-115.62	17 5 0					111.12-111.38 m drilling induced de-structured containing partially rinded flint up to 50mm in size	(3.08)		
115.62-116.37	0 0 0					111.39-112.98 m AZCL			
116.37-117.12	89 89 75					112.98-113.19 m drilling induced de-structured with partially rinded flints up to 40mm in size	16.45	-112.98	
117.12-117.87	0 0 0					Weak, medium density white CHALK. Fractures are subhorizontal, closely spaced, clean. (WHITE CHALK A3)	(0.67)		
117.87-118.62	0 0 0					ZONE OF CORE LOSS. Foreman reports chalk. (Probably CHALK)	17.12	-113.65	
118.62-119.20	0 0 0			11/10/2010	0.00	113.19-113.37 m 1 No subvertically undulose, clean fracture			
119.20-120.00	0 0 0			118.62	0.55	115.49-115.62 m PARTIAL CORE RECOVERY. weak medium density white chalk	(2.88)		
				12/10/2010	0.55	EXPLORATORY HOLE ENDS AT 120.00 m			

Groundwater Entries	Chiselling
No. Struck (m)	Depths (m)
Post strike behaviour	Time
Depth sealed (m)	Tools used
Depth Related Remarks *	
From to (m)	

Borehole Log



Drilled AD Logged EM/SS Checked MT	Start 29/09/2010 End 07/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 11.60m 28.50m 52.25m	to 11.60m 28.50m 52.25m 55.10m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 11.60m 28.50m 52.25m 55.10m	Ground Level Coordinates National Grid Chainage	+9.81 mOD E 647021.04 N 264605.60
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/Instruments
		0.00-1.20 m Hand excavated inspection pit.			Fine SAND. (Foreman's description) (Possibly MADE GROUND)	(0.70)		
1.20-1.65	U 1	38 blows 420 mm rec		dry	Orangish brown slightly silty SAND. (Possibly MADE GROUND)	0.70 +9.11		
1.70	D 2					(1.60)		
1.75-2.20	U 3	41 blows 410 mm rec		dry	Orangish brown slightly silty slightly gravelly SAND. Gravel is angular fine to coarse of flint. (Possibly CRAG DEPOSITS)	2.30 +7.51		
2.25	D 4					(1.70)		
2.30-2.75	U 5	47 blows 370 mm rec		1.20	Orangish brown silty SAND. (CRAG DEPOSITS)	4.00 +5.81		
2.80	D 6							
2.85-3.30	U 7	46 blows	29/09/2010	1.20	Dark orange brown to reddish brown silty SAND. (CRAG DEPOSITS)	11.00 -1.19		
3.35	D 8		30/09/2010	2.10		(1.00)		
3.55-4.00	U 9	42 blows	30/09/2010	0800	Orangish brown silty SAND. (CRAG DEPOSITS)	12.00 -2.19		
4.05-4.50	U 11	41 blows	3.00			(2.00)		
4.05	D 10		3.40		Dark orange brown slightly silty SAND. (CRAG DEPOSITS)	14.00 -4.19		
4.55	D 12		3.80					
4.60-5.05	U 13	46 blows		4.30	Dark orangish brown slightly silty fine	19.20 -9.39		
5.10	D 14							
5.20-5.65	U 15	48 blows		4.30	Stratum continues to 26.75 m			
5.70	D 16							
5.80-6.25	U 17	61 blows		4.30				
6.30	D 18			4.30				
6.35-6.80	U 19	52 blows		4.30				
6.85	D 20			4.30				
6.90-7.35	U 21	51 blows		4.30				
7.40	D 22			4.30				
7.55-8.00	U 23	47 blows 420 mm rec		4.30				
8.05	D 24			4.30				
8.10-8.55	U 25	51 blows		4.30				
8.60	D 26			4.30				
8.65-9.10	U 27	52 blows		4.30				
9.15	D 28			4.30				
9.25-9.70	U 29	41 blows		4.30				
9.75	D 30			4.30				
9.95-10.40	U 31	42 blows		4.30				
10.45	D 32			4.30				
10.55-11.00	U NR	19 blows No recovery		4.30				
10.55-11.00	B 33			4.30				
11.05-11.50	U 34	18 blows 400 mm rec		4.30				
11.55	D 35			19.30				
11.60-12.05	U 36	22 blows 350 mm rec		9.10				
12.10	D 37			12.00				
12.20-12.65	U 38	32 blows 360 mm rec		1.10				
12.70	D 39			12.70				
12.80-13.20	U 40	41 blows		0.75				
13.25	D 41			30/09/2010				
13.55-14.00	U 42	44 blows 370 mm rec		2.35				
14.10	D 43			13.00				
14.15-14.60	U 44	61 blows		0800				
14.80	D 45			01/10/2010				
14.95-15.50	U 46	63 blows 300 mm rec		3.18				
15.45	D 47			13.00				
15.55-16.00	U 48	71 blows		0800				
16.10	D 49			13.00				
16.25-16.70	U 50	71 blows 410 mm rec		3.18				
16.75	D 51			14.00				
16.80-17.25	U 52	67 blows 420 mm rec		1.10				
17.30	D 53			14.50				
17.45-17.90	U 54	72 blows		0.00				
18.00	D 55			15.40				
18.05-18.50	U 56	76 blows 380 mm rec		0.00				
18.55-19.00	U 57	66 blows 420 mm rec		0.00				
19.10	D 58			16.00				
19.20-19.65	U NR	69 blows No recovery		1.00				
19.70-20.15	B 59			17.70				

Groundwater Entries		Depth sealed (m)		Depth Related Remarks *		Chiselling	
No.	Struck Post strike behaviour (m)			From	to (m)	Depths (m)	Time Tools used
	None observed (see Key Sheet)			0.00	55.10		2. No U100 Hammer weights used,

Borehole Log



Drilled AD Logged EM/SS Checked MT		Start 29/09/2010 End 07/10/2010		Equipment, Methods and Remarks Dando 175 Cable percussion boring.		Depth from 0.00m 11.60m 28.50m 52.25m		to 11.60m 28.50m 52.25m 55.10m		Diameter 300mm 250mm 200mm 150mm		Casing Depth 11.60m 28.50m 52.25m 55.10m		Ground Level Coordinates National Grid Chainage		+9.81 mOD E 647021.04 N 264605.60	
Samples and Tests					Strata												
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)					Depth, Level (Thickness)	Legend	Backfill/ Instruments					
20.25-20.70	U 60	68 blows 380 mm rec	20.00	0.00	to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)					(7.55)							
20.90-21.35	U 61	74 blows 380 mm rec	20.70	0.60													
21.50-21.95	U 62	66 blows 380 mm rec	21.40	0.60													
22.05-22.50	U 63	71 blows 380 mm rec	22.00	0.70													
22.60-23.05	U 64	73 blows 420 mm rec	22.00	0.70													
23.20-23.65	U 65	71 blows 360 mm rec	23.00	3.18													
23.80-24.25	U 66	72 blows 350 mm rec	23.00	3.18													
24.40-24.85	U 67	70 blows 390 mm rec	24.20	3.18													
25.00-25.45	U 68	74 blows	24.90	3.18													
25.50-26.00	U 70	71 blows 400 mm rec	25.30	0.00									25.50 m soft slightly sandy gravelly clay. Gravel is angular to subangular fine of mudstone.				
26.05-26.60	U NR	73 blows No recovery	26.00	0.00													
26.75-27.45	U 74	82 blows 320 mm rec	26.80	0.00	Grey angular to subangular medium to coarse GRAVEL of siltstone. (CRAG DEPOSITS)					-16.94							
27.55-28.00	U 75	84 blows	27.40	0.00	(1.30)												
28.05-28.50	U 76	87 blows	27.40	3.18	Dark orangish brown slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)					28.05							
28.55-29.00	U 77	79 blows	27.60	0.800													
29.05-29.50	U 78	71 blows 240 mm rec	27.40	3.18													
29.55-30.00	U 79	77 blows 380 mm rec	28.20	3.11													
30.05-30.50	U 80	76 blows 300 mm rec	28.80	2.10													
30.55-31.00	U 81	78 blows 320 mm rec	29.20	2.10													
31.05-31.50	U 82	82 blows 350 mm rec	29.70	0.00													
31.55-32.00	U 83	79 blows 230 mm rec	30.20	1.00													
32.20-32.65	U 84	84 blows 320 mm rec	30.70	0.00													
32.70-33.15	U 85	82 blows 230 mm rec	30.70	0.00									32.70 m grey				
33.25-33.70	U NR	91 blows No recovery	30.90	0.800		(12.10)											
33.80-34.25	U 87	94 blows 230 mm rec	31.40	0.00													
34.40-34.85	U 88	102 blows 200 mm rec	33.00	0.00													
35.00-35.45	U NR	97 blows No recovery	33.60	0.00													
35.60-36.05	U 90	121 blows 300 mm rec	34.20	0.00													
36.20-36.45	U NR	124 blows No recovery	34.70	0.00													
36.85-37.30	U 92	122 blows 330 mm rec	35.40	0.00													
37.45-37.90	U NR	108 blows No recovery	36.00	0.00													
38.00-38.45	U 94	111 blows 280 mm rec	36.60	0.00													
38.55-39.00	U 95	120 blows 290 mm rec	37.20	0.00													
39.10-39.55	U NR	120 blows No recovery	37.70	0.00													
39.65-40.10	U NR	123 blows No recovery	38.00	0.00													
39.65-40.10	B 97		39.00	0.00													
Stratum continues to 40.15 m																	
Groundwater Entries					Depth Related Remarks *					Chiselling							
No. Struck Post strike behaviour (m)			Depth sealed (m)		From to (m)					Depths (m)		Time		Tools used			
None observed (see Key Sheet)																	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole							
Scale 1:100					Project No. A0012-10					CBH 2009_9U							
(c) Soil Mechanics www.soil-mechanics.com					Carried out for NNB Generation Company Limited					Sheet 2 of 3							

Borehole Log



Drilled AD	Start 29/09/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m	to 11.60m	Diameter 300mm	Casing Depth 11.60m	Ground Level +9.81 mOD
Logged EM/SS	End 07/10/2010		11.60m	28.50m	250mm	28.50m	Coordinates E 647021.04
Checked MT			28.50m	52.25m	200mm	52.25m	National Grid N 264605.60

Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)				
40.15-40.50	B 98		04/10/2010	1.10	Dark orangish brown slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	40.15 -30.34			
			05/10/2010	0800			(0.39)		
40.85-41.00	U 99	132 blows	05/10/2010	0800	Grey angular COBBLES of siltstone. (CRAG DEPOSITS)	40.54 -30.73			
41.05-41.32	U NR	152 blows No recovery	40.00	0.00					
41.40-41.65	B 100		40.00	0.00	Dark grey silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
41.40-41.65	U NR	161 blows No recovery	41.00	1.10					
41.40-41.68	B 101		41.20	1.10	Very weak grey to greyish brown thinly laminated SILTSTONE. Recovered as slightly sandy angular gravel. (CRAG DEPOSITS)				
41.80-42.02	U NR	160 blows No recovery	41.60	1.10					
41.80-42.02	B 102		42.00	1.10	Grey slightly silty medium to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
42.15-42.40	U NR	165 blows No recovery	42.20	0.70					
42.15-42.40	B 103		42.20	0.40	Very weak grey to greyish brown thinly laminated SILTSTONE. Recovered as slightly sandy angular gravel. (CRAG DEPOSITS)				
42.55-42.80	U NR	184 blows No recovery	42.20	0.40					
42.55-42.80	B 104				Grey slightly silty medium to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	43.05 -33.24			
42.80-43.00	U 105	210 blows 120 mm rec		0.00			(1.05)		
43.05-43.00	D 106				Grey slightly silty medium to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
43.70-44.00	U 107	192 blows 230 mm rec	43.40	0.00					
44.10-44.30	B 108				Grey slightly silty medium to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	44.10 -34.29			
44.45-44.90	U 109	151 blows 190 mm rec	44.20	0.00					
44.55-46.00	B 111				Grey slightly silty medium to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
45.00-45.40	U NR	171 blows No recovery	44.70	0.30					
45.00-45.45	B 110				Grey slightly silty medium to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
45.55-46.00	U NR	154 blows No recovery	44.40	0.00					
46.10-46.55	U 112	137 blows 40 mm rec	46.00	1.00	Grey slightly silty medium to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
46.70-47.15	U NR	124 blows No recovery	46.40	1.00					
46.70-47.15	B 113				Grey slightly silty medium to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
47.20	D 114		47.00						
47.25-47.70	U NR	72 blows No recovery	05/10/2010	1.00	Very stiff brown silty CLAY. (LONDON CLAY)				
47.25-47.70	B 115		06/10/2010	0800					
47.80-48.25	U NR	84 blows No recovery	47.70	1.10	Very stiff brown silty CLAY. (LONDON CLAY)				
47.80-48.25	B 116		47.70	0.80					
48.30-48.75	U NR	76 blows No recovery	48.00	0.00	Very stiff brown silty CLAY. (LONDON CLAY)				
48.30-48.75	B 117		48.00	0.00					
48.90-49.35	U NR	64 blows No recovery	48.60	0.00	Very stiff brown silty CLAY. (LONDON CLAY)				
48.90-49.35	B 118		49.20	0.00					
49.45-49.90	U NR	67 blows No recovery	49.20	0.00	Very stiff brown silty CLAY. (LONDON CLAY)				
49.45-49.90	B 119		49.70	0.00					
50.00-50.33	U NR	126 blows No recovery	49.70	0.00	Very stiff brown silty CLAY. (LONDON CLAY)				
50.00-50.40	B 120		50.30	0.00					
50.55-51.00	U NR	132 blows No recovery	51.00	0.00	Very stiff brown silty CLAY. (LONDON CLAY)				
50.55-51.00	B 121		51.40	0.70					
51.10-51.55	U NR	148 blows No recovery	06/10/2010	2.18	Very stiff brown silty CLAY. (LONDON CLAY)				
51.10-51.55	B 122		07/10/2010	0800					
51.60-52.05	U NR	157 blows No recovery	51.40	1.10	Very stiff brown silty CLAY. (LONDON CLAY)				
51.60-52.05	B 123		51.40	0.70					
52.25-52.70	B 124		52.20	1.10	Very stiff brown silty CLAY. (LONDON CLAY)	52.45 -42.64			
52.25-52.70	U NR	171 blows No recovery	51.40	0.70					
52.75-53.20	U 125	38 blows	52.50	0.60	Very stiff brown silty CLAY. (LONDON CLAY)				
53.25	D 126		53.20	0.60					
53.45-53.90	U NR	46 blows No recovery			Very stiff brown silty CLAY. (LONDON CLAY)				
54.00	D 128		54.00	1.00					
54.05-54.50	U 129	57 blows 330 mm rec	54.17	1.00	Very stiff brown silty CLAY. (LONDON CLAY)				
54.55-55.00	U 130	60 blows	55.10	1.00					
55.10	D-131		55.10	1.00	EXPLORATORY HOLE ENDS AT 55.10 m	55.10 -45.29			

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck Post strike behaviour (m)	From to (m)	Depths (m) Time Tools used
None observed (see Key Sheet)		40.15 -40.50 60 mins 43.05 -43.66 75 mins 44.10 -44.30 30 mins

Borehole Log



Drilled MA Logged GA Checked MT	Start 20/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)	Depth from 0.00m to 6.00m Diameter 198mm Casing Depth 6.00m 6.00m 55.40m 146mm 41.90m	Ground Level +6.12 mOD Coordinates E 647088.46 National Grid N 263719.63 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
0.40-0.60 0.40-0.60 0.60-0.80 0.90-1.20	D 1 B 2 B 3 D 4	0.00-1.20 m Hand excavated inspection pit.			MACADAM. (MADE GROUND)	0.10 +6.02 (0.50)		
1.20-1.70	90 N/A N/A	Flush: 1.20-1.70 Water/Mud, 100 %	20/08/2010	0800	Brownish red sandy GRAVEL of angular to subangular fine to coarse mixed lithologies including limestone. (MADE GROUND)	0.60 +5.52 0.90 +5.22		
1.70-3.20 2.75-3.20	30 N/A N/A				Orangish brown sandy GRAVEL of angular to subrounded fine to coarse mixed lithologies including limestone with occasional fragments of brick. (MADE GROUND)	(2.30)		
3.20-4.70	0 N/A N/A		20/08/2010	1800	Yellowish brown slightly gravelly SAND. Gravel is angular to subrounded fine to coarse of mixed lithologies including flint and occasional fragments of concrete. (MADE GROUND)	3.20 +2.92		
4.70-6.20	0 N/A N/A				ZONE OF CORE LOSS. Foreman reports sandy gravel of angular fragments of brick (Possibly MADE GROUND)	(3.95)		
6.20-7.70 7.15-7.70	37 N/A N/A				Brown and reddish brown gravelly fine to medium SAND. Gravel is angular to subangular fine to coarse of brick, flint and quartzite. (MADE GROUND)	7.15 -1.04 (0.55) 7.70 -1.59		
7.70-8.45 8.45-9.20	93 N/A N/A				Orangish brown and yellowish brown slightly silty gravelly fine to medium SAND. Gravel is subrounded fine to medium of flint. (Possibly CRAG DEPOSITS)	8.45-9.20 m NO RECOVERY (1.75)		
9.20-9.70 9.70-10.20 10.25-10.70 10.20-10.70	100 N/A N/A N/A				Reddish brown silty fine to medium SAND with occasional soft grey silty clay bands. (Possibly CRAG DEPOSITS)	9.70-9.80 m NO RECOVERY (1.25)		
10.70-11.20 11.20-11.70	N/A N/A				ZONE OF CORE LOSS. Foreman reports sand. (Probably CRAG DEPOSITS)	10.20-10.25 m NO RECOVERY (2.50)		
11.70-12.20 12.20-12.70	N/A N/A				Grey and yellowish brown SAND with frequent fine to coarse gravel size shell fragments and occasional firm grey clay pockets less than 50mm in size. (CRAG DEPOSITS)	11.25-11.70 m PARTIAL CORE RECOVERY. Yellowish brown and brown fine to medium SAND with occasional fine to medium gravel size shell fragments and rare very soft silty clay pockets less than 25m in size (CRAG DEPOSITS) 13.15-13.20 m PARTIAL CORE RECOVERY. Brown fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS) 13.20-13.70 m NO RECOVERY 15.15-16.00 m NO RECOVERY 16.00-16.65 m NO RECOVERY 17.90 -11.78		
13.70-14.15 13.20-14.45	60 N/A N/A				Grey slightly silty fine to medium SAND with rare fine to coarse gravel size shell fragments and rare firm grey silty clay bands. (CRAG DEPOSITS)	13.20 -7.09		
14.45-15.15 15.15-16.65	57 N/A N/A					(4.70)		
17.30-17.75 16.65-18.15	63 N/A N/A							
18.15-19.65	83 N/A N/A					(2.75)		
Depth	TSP ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 20.65 m		

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck Post strike behaviour (m)	From to (m)	Depths (m) Time Tools used
None observed (see Key Sheet)	0.00 13.20 Geobor S surface set 7 step bit used. 13.20 16.65 S size TSP Saw Tooth bit used. 16.65 55.40 S size Cubic TSP bit used.	



Borehole Log



Drilled MA	Start 20/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)	Depth from 0.00m	to 6.00m	Diameter 198mm	Casing Depth 6.00m	Ground Level +6.12 mOD Coordinates E 647088.46 National Grid N 263719.63 Chainage
Logged GA	End 01/09/2010		6.00m	55.40m	146mm	41.90m	
Checked MT							

Samples and Tests						Strata			
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
19.65-21.15 20.45-20.90	83 N/A N/A		CS 10			Grey slightly silty fine to medium SAND with rare fine to coarse gravel size shell fragments and rare firm grey silty clay bands. (CRAG DEPOSITS)	19.90-20.65 m frequent fine to coarse shell fragments. 20.90 m very thin soft grey silty clay band.	20.65 -14.53 (1.65)	
21.15-22.65	93 N/A N/A					Yellowish brown SAND with frequent medium gravel size shell fragments and occasional soft grey silty clay bands. (CRAG DEPOSITS)	21.10 m very thin soft grey silty clay band. 21.15-21.25 m NO RECOVERY 21.45-21.70 m very thin grey clay bands.	22.30 -16.18 (0.90)	
23.20-23.85 22.65-24.15	93 N/A N/A		CS 11			Yellowish brown occasionally stained dark reddish brown fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	22.10-22.15 m grey horizon. 22.65-22.75 m NO RECOVERY 24.15-24.50 m NO RECOVERY	23.20 -17.08 (0.95)	
24.50-24.70 24.15-25.65	77 N/A N/A		CS 16			Grey slightly silty fine to medium SAND with occasional thin clay laminations and rare very thin bands of claystone. (CRAG DEPOSITS)	24.50-24.70 m extremely weak grey claystone horizons.	24.15 -18.03 (2.65)	
26.20-26.80 25.65-27.15	93 N/A N/A		CS 12			Yellowish brown occasionally stained dark reddish brown fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	25.65-25.75 m NO RECOVERY	26.80 -20.68	
27.15-28.65	97 N/A N/A					Grey fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	27.15-27.20 m NO RECOVERY 27.90 m black silty sand lamination less than 5mm in thickness.	30.45 -24.33 (1.00)	
28.65-30.15 29.65-30.15	93 N/A N/A		CS 13			Grey fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	28.10-30.15 m occasional bands of fine to coarse gravel size shell fragments. 28.65-28.75 m NO RECOVERY	31.45 -25.33 (1.55)	
30.15-31.65	97 N/A N/A					Grey fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	31.65-32.05 m NO RECOVERY	33.00 -26.88	
31.65-33.15 32.55-33.15	73 N/A N/A		CS 14			Grey SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	33.15-33.30 m NO RECOVERY	37.40 -31.28	
33.15-34.65	90 N/A N/A						34.15-34.25 m slightly clayey sand band. 34.45-34.50 m slightly clayey sand band. 34.65-34.80 m NO RECOVERY	(4.40)	
34.65-35.15	100 N/A N/A						35.35-35.60 m slightly clayey fine to coarse sand		
35.55-36.15			CS 15				36.15-36.75 m NO RECOVERY		
35.15-37.40	29 N/A N/A								
37.00-37.40			CS 17						
37.40-38.90	0 N/A N/A					ZONE OF CORE LOSS. Foreman reports sand and shells. (Probably CRAG DEPOSITS)			
38.90-39.65	40 N/A N/A						39.35-39.65 m PARTIAL CORE RECOVERY.		
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 40.40 m			

Groundwater Entries			Depth Related Remarks *			Chiselling		
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used	
None observed (see Key Sheet)								

Borehole Log



Drilled MA Logged GA Checked MT	Start 20/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump Rotary core drilling (Geobor S) using polymer mud flush 0.00m to 13.20m. Rotary core drilling (S Size) using polymer mud flush 13.20m to 55.40m. (Soda ash, Quik Gel, Quik Troll and EZ mud GOLD)	Depth from 0.00m to 6.00m Diameter 198mm Casing Depth 6.00m 41.90m	Ground Level +6.12 mOD Coordinates E 647088.46 National Grid N 263719.63 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
39.65-40.40	0 N/A					ZONE OF CORE LOSS. (CRAG DEPOSITS) Foreman reports sand and shells. (Probably CRAG DEPOSITS)	40.40 -34.28			
40.40-41.90	60 N/A					Greenish grey and grey SAND with frequent fine to coarse gravel size shell fragments. (CRAG DEPOSITS)				
41.90-43.40	87 N/A		CS 18			41.90-42.10 m NO RECOVERY 42.35 m band of angular medium to coarse gravel of claystone.				
42.75-43.20	N/A									
43.40-44.90	83 N/A					43.40-43.65 m NO RECOVERY 44.00 m very thin stiff brownish grey clay band. 44.30 m very thin stiff brownish grey clay band.	(9.23)			
44.90-46.40	87 N/A					44.90-45.10 m NO RECOVERY				
46.40-47.90	87 N/A		CS 19			46.35 m very thin stiff brownish grey clay band. 46.40-46.60 m NO RECOVERY 47.30-47.35 m black silt horizon. 47.90-48.30 m NO RECOVERY 48.30-48.45 m very thin occasional bands of stiff brownish grey silty clay.				
47.45-47.90	N/A									
47.90-49.40	73 N/A					49.40-49.55 m NO RECOVERY	49.63 -43.51			
49.40-50.90	90 N/A		CS 20			Stiff to very stiff brown slightly sandy fissured CLAY. Fissures are closely spaced subhorizontal. (LONDON CLAY A1)				
50.45-50.90	N/A									
50.90-52.40	100 17 0					52.25-52.40 m strong grey siltstone horizon. 52.26-52.40 m 1 No subvertical rough undulose fracture	(5.77)			
52.40-53.90	87 N/A		CS 21			53.90-54.20 m NO RECOVERY				
53.35-53.80	N/A									
53.90-55.40	80 N/A									
EXPLORATORY HOLE ENDS AT 55.40 m							55.40 -49.28			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled AD Logged PM Checked MT	Start 15/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m to 7.00m 26.10m 50.90m 59.90m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 6.70m 26.10m 47.04m 56.45m	Ground Level +8.72 mOD Coordinates E 647126.22 National Grid N 262801.23 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.00-0.40	B 1A	*			Brown gravelly SAND. Gravel is subangular to rounded fine to coarse of flint with occasional mudstone and sandstone. (MADE GROUND)	(0.40)		
0.40-0.90	D 2A	0.00-1.20 m Hand excavated inspection pit.				0.40 +8.32		
0.50	B 3A				Yellow brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse of flint. (Possibly MADE GROUND)	(0.60)		
1.00-1.20	D 4A					1.00 +7.72		
1.10	B 5A				Orange brown fine to medium SAND. (Possibly MADE GROUND)	1.20 +7.52		
1.20-1.65	D 6A	51 blows		dry				
1.70	U 1			dry	Orangish brown slightly silty slightly gravelly SAND with occasional coarse gravel sized pockets of soft brown sandy clay. Gravel is subangular fine to coarse of flint and sandstone. (Possibly MADE GROUND)			
1.75-2.20	D 2	61 blows		dry				
2.20	U 3			dry	Stratum continues to 23.50 m			
2.30-2.75	D 4	51 blows		dry				
2.80-3.25	U 5			dry				
3.30	U 6	54 blows		dry				
3.35-3.80	D 7			dry				
3.80-4.25	U 8	57 blows		dry				
4.25-4.70	U 9	48 blows		dry				
4.75	U 10	49 blows		dry				
4.80-5.25	D 11			dry				
5.25-5.70	U 12	82 blows		dry				
5.75	U 13	81 blows		dry				
5.80-6.25	D 14			dry				
6.25-6.70	U 15	84 blows		dry				
6.70-7.15	U 16	60 blows		dry				
7.15-7.60	U 17	61 blows		dry				
7.60-8.05	U 18	43 blows	7.00	1.10				
8.80-9.25	U 19	45 blows 370 mm rec	7.40	0.75				
9.30-9.75	U 20	48 blows 400 mm rec	15/10/2010 7.40	0.75				
9.80-10.25	U 21	52 blows	16/10/2010 7.40	0.800				
10.30-10.75	U 22	54 blows No recovery	8.50	2.25				
10.80-11.25	U 23	59 blows	9.00	1.15				
11.30-11.75	U 24	57 blows	10.00	0.00				
11.80-12.25	U 25	49 blows	10.50	0.00				
12.30-12.75	U 26	53 blows	11.00	0.60				
12.80	U 27	47 blows	11.60	0.75				
12.85-13.30	D 28		12.00	0.00		(22.30)		
13.33	U 28	49 blows	12.70	0.10				
13.35-13.80	D 30		13.10	2.00				
13.83	U 31	41 blows	13.60	0.00				
13.85-14.30	B 32	40 blows 400 mm rec	13.60	0.00				
14.35-14.80	U 33	38 blows	14.20	0.00				
14.85-15.30	U 34	34 blows	14.60	0.10				
15.35-15.80	U 35	31 blows	15.10	0.40				
15.85	U 36	42 blows 400 mm rec	15.70	0.55				
15.90-16.35	D 37		16/10/2010 16.00	2.35				
16.40-16.85	U 38	44 blows 420 mm rec	16.00	0.00				
16.90-17.35	U 39	45 blows	17/10/2010 16.00	0.800				
17.40-17.85	U 40	59 blows 400 mm rec	16.60	0.25				
17.90-18.35	U 41	67 blows	17.10	0.00				
18.40-18.85	U 42	77 blows	17.70	0.00				
18.90-19.35	U 43	79 blows	18.20	0.00				
19.50-19.95	U 44	86 blows 420 mm rec	18.70	0.00				
19.95	U 45		19.25	0.00				

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck Post strike behaviour (m)	From to (m)	Depths (m) Time Tools used
None observed (see Key Sheet)	0.00 30.00 1 No. U100 Hammer weight used. 7.00 Water added to assist boring.	8.10 -8.77 90 mins

Borehole Log



Drilled AD Logged PM Checked MT		Start 15/10/2010 End 21/10/2010		Equipment, Methods and Remarks Dando 175 Cable percussion boring.		Depth from 0.00m 7.00m 26.10m 50.90m		to 7.00m 26.10m 50.90m 56.70m		Diameter 300mm 250mm 200mm 150mm		Casing Depth 6.70m 26.10m 47.04m 56.45m		Ground Level +8.72 mOD Coordinates E 647126.22 N 262801.23												
Samples and Tests														Strata												
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)								Depth, Level / (Thickness)	Legend	Backfill/ Instruments											
20.00-20.45	U 46	94 blows	19.25	0.00	Orangish brown slightly silty slightly gravelly SAND with occasional coarse gravel sized pockets of soft brown sandy clay. Gravel is subangular fine to coarse of flint and sandstone. (Possibly MADE GROUND)																					
20.50-21.00	U 47	107 blows 440 mm rec	20.40	0.00																						
21.05-21.50	U 48	112 blows 370 mm rec	20.60	0.00																						
21.55-22.00	U 49	97 blows	21.30	0.00																						
22.05-22.50	U 50	107 blows 370 mm rec	21.75	0.00																						
22.50-23.00	U 51	96 blows 320 mm rec	22.30	0.00																						
23.05-23.50	U 52	92 blows	22.90	0.00																						
23.55-24.00	U 53	90 blows	22.90	0.00																						
24.05-24.50	U 54	82 blows 410 mm rec	24.00	2.40																						
24.55-25.00	U 55	76 blows 410 mm rec	24.00	2.00																						
25.05-25.50	U 56	90 blows 370 mm rec	24.20	2.00	Brownish orange, locally dark reddish brown, slightly silty SAND with occasional fine gravel sized shell fragments. (Possibly CRAG DEPOSITS)								23.50 -14.78													
25.55-26.00	U 57	81 blows 350 mm rec	25.10	2.00																						
26.05-26.50	U 58	77 blows 410 mm rec	25.90	2.00																						
26.55-27.00	U NR	71 blows No recovery	26.10	2.00																						
26.55-27.00	B 59																									
27.05-27.50	U 60	74 blows 402 mm rec	26.70	0.00																						
27.55-28.00	U 61	70 blows 400 mm rec	27.20	0.75																						
28.05-28.50	U 62	84 blows 390 mm rec	27.70	0.60																						
28.70	B 63		28.60	0.40																						
28.75-29.20	U 64	81 blows																								
29.35-29.80	U NR	79 blows No recovery	29.00	0.35	Greyish brown slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)								28.70 -19.98													
29.35-29.80	B 65																									
30.00-30.45	U 66	72 blows 300 mm rec	29.80	3.80																						
30.55-31.00	U NR	68 blows No recovery	29.80	0.00																						
30.55-31.00	B 67																									
31.05-31.50	U 68	71 blows 400 mm rec	30.40	0.00																						
31.55-32.00	U 69	64 blows 200 mm rec	31.40	0.00																						
32.10	D 70		32.00	0.00																						
32.20	U 71	69 blows																								
32.70-32.92	U NR	124 blows No recovery	32.40	0.60																						
32.70-33.40	B 72				32.70 m foreman reports cobble																					
33.00-33.21	U NR	119 blows No recovery	32.70	0.70																						
33.55-34.00	U NR	122 blows No recovery	33.30	0.40																						
33.55-34.00	B 73																									
34.05-34.50	U 74	107 blows 400 mm rec	34.10	1.20																						
34.55-35.00	U 75	92 blows 220 mm rec	34.20	0.00																						
35.05-35.50	U 76	89 blows 300 mm rec	34.90	0.00																						
35.55-36.00	U 77	82 blows 200 mm rec	35.20	0.00																						
36.10-36.55	U NR	79 blows No recovery	36.00	0.00																						
36.10-36.55	B 78																									
36.65-37.10	U NR	82 blows No recovery	36.40	0.65	Stratum continues to 41.55 m																					
36.65-37.10	B 79																									
37.20-37.65	U 80	72 blows 200 mm rec	37.00	0.70																						
37.80-38.25	U NR	66 blows No recovery	37.40	0.80																						
37.80-38.25	B 81																									
38.40-38.85	U 82	71 blows 250 mm rec	38.00	0.90																						
39.00-39.45	U 83	82 blows 200 mm rec	39.00	0.80																						
39.55-40.00	U 84	78 blows 350 mm rec	39.30	0.00																						
Depth	Type & No	Records	Date Casing	Time Water																						
Groundwater Entries																Depth Related Remarks *					Chiselling					
No. Struck (m)	Post strike behaviour	Depth sealed (m)			From (m)	to (m)				Depths (m)	Time	Tools used														
None observed (see Key Sheet)					30.00	56.70	2 No. U100 Hammer weights used.			32.70 -33.40	105 mins															
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole																
Scale 1:100					Project No. A0012-10					CBH 2009_11U																
(c) Soil Mechanics www.soil-mechanics.com					Carried out for NNB Generation Company Limited					Sheet 2 of 3																

Borehole Log



Drilled AD Logged PM Checked MT	Start 15/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 175 Cable percussion boring.	Depth from 0.00m 7.00m 26.10m 50.90m	to 7.00m 26.10m 50.90m 56.70m	Diameter 300mm 250mm 200mm 150mm	Casing Depth 6.70m 26.10m 47.04m 56.45m	Ground Level Coordinates National Grid Chainage	+8.72 mOD E 647126.22 N 262801.23
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)				
40.05-40.50	U 85	79 blows 350 mm rec	40.00	0.70	Greyish brown slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
40.55-41.00	U NR B 86	81 blows No recovery	40.00	0.70					
41.05-41.50	U NR B 87	83 blows No recovery	41.00	0.60	Blueish grey slightly sandy silty CLAY. (CRAG DEPOSITS)	41.55	-32.83		
41.55-42.00	U 88 B 93	51 blows 405 mm rec	41.30	0.00			(1.75)		
42.00	D 89	49 blows	42.00	0.00	Grey clayey slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	43.30	-34.58		
42.10-42.55	U 90		47 blows	42.60		0.00		(1.25)	
42.65	D 91	41 blows	43.00	0.30	Grey sandy CLAY. (CRAG DEPOSITS)	44.55	-35.83		
42.70-43.15	U 92		41 blows	43.70		0.40		(0.55)	
43.20	D 94	40 blows 410 mm rec	44.20	0.35	Grey clayey slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	45.10	-36.38		
43.30-43.75	U 95		45.00	0.00			(1.35)		
43.30-45.00	B 100	38 blows 160 mm rec	45.70	1.10	Grey sandy CLAY. (CRAG DEPOSITS)	46.45	-37.73		
43.85	D 96		46.00	0.00			(0.45)		
43.95-44.40	U 97	72 blows 350 mm rec	46.70	1.10	Grey clayey slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	46.90	-38.18		
44.50-45.00	U 99 D 98	81 blows	47.00	1.10			(0.65)		
45.10-45.55	U 101	No recovery	47.00	1.10	Grey silty sandy CLAY. (CRAG DEPOSITS)	47.55	-38.83		
45.75	D 102	92 blows 340 mm rec	47.00	1.10			(1.55)		
45.90-46.35	U 103	111 blows 250 mm rec	47.00	1.00	Grey silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	49.10	-40.38		
46.45-46.90	U NR B 104	97 blows 200 mm rec	47.00	0.00			(7.10)		
46.45-46.90	U NR B 104	121 blows No recovery	47.00	0.00	EXPLORATORY HOLE ENDS AT 56.70 m	56.20	-47.48		
47.05-47.50	U 105	124 blows	47.00	0.00			(0.50)		
47.55-48.00	U 106	120 blows No recovery	47.86	0.00	Greyish brown slightly sandy CLAY. Sand is fine. (LONDON CLAY - A3ii)	56.70	-47.98		
48.05-48.24	U NR D 108	120 blows No recovery	50.90	0.80					
48.27	D 108	120 blows No recovery	21/10/2010	0.80					
48.35-48.80	U 107	120 blows No recovery	47.00	0.00					
48.90	D 109	140 blows No recovery	51.10	0.00					
49.00-49.45	U 110	156 blows No recovery	51.10	0.00					
49.50	D 111	150 blows No recovery	52.30	0.00					
49.55-50.00	U 112	150 blows No recovery	52.70	0.00					
50.05-50.50	U NR B 113	160 blows No recovery	53.10	0.00					
50.05-50.50	U NR B 113	165 blows 210 mm rec	53.70	0.00					
50.55-51.00	U 114	114 blows 160 mm rec	54.00	0.00					
50.55-51.00	B 115	139 blows No recovery	54.00	0.00					
51.05-51.30	U NR	120 blows No recovery	54.70	0.00					
51.05-51.30	B 116	120 blows No recovery	55.20	2.20					
51.36-51.60	U NR	120 blows No recovery	55.20	2.20					
51.36-51.60	B 117	120 blows No recovery	56.00	1.80					
51.65-51.77	U NR	40 blows No recovery	56.00	1.90					
51.65-51.77	B 118	100 blows No recovery	21/10/2010	1.90					
51.85-52.12	U NR	84 blows 200 mm rec	56.45	1.70					
51.85-52.12	B 119	40 blows No recovery	56.31	2.20					
52.30-52.60	U NR	84 blows 200 mm rec							
52.30-52.60	B 120	40 blows No recovery							
52.75-52.94	U NR	100 blows No recovery							
52.75-52.94	B 121								
53.05-53.40	U NR								
53.05-53.40	B 122								
53.55-53.82	U 123								
54.00-54.45	U 124								
54.55-55.00	U NR								
54.55-55.00	B 125								
55.00-55.45	U NR								
55.00-55.45	B 126								
55.55-56.00	U NR								
55.55-56.00	B 127								
56.10-56.50	U 128								
56.10-56.14	U NR								
56.14-56.50	B 130								
56.56-56.70	U NR								
56.56	D 129								

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck Post strike behaviour (m)	From to (m)	Depths (m) Time Tools used
None observed (see Key Sheet)		56.14 -56.20 20 mins

Borehole Log



Drilled Logged Checked	PJ/GR JC MT	Start End	09/12/2010 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from to	0.00m 120.50m	Diameter	150mm	Casing Depth	120.50m	Ground Level Coordinates National Grid Chainage	+1.50 mOD E 647206.18 N 264198.57
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
		0.00-1.50 m Hand excavated inspection pit.			SAND. (Foreman's description) (MADE GROUND)	(1.50)		
1.50-3.00	100 N/A N/A		09/12/2010	0800	Brown slightly gravelly SAND with occasional fine gravel size shell fragments. Gravel is angular to subrounded fine to coarse of mixed lithologies. (MADE GROUND)	1.50 +0.00 (1.35)		
3.00-4.50	0 N/A N/A		09/12/2010	1800	Brown occasionally grey slightly gravelly locally gravelly SAND with rare medium gravel size shell fragments and fragments of wood up to 2mm x 50mm in size. Gravel is subangular to subrounded fine to coarse of mixed lithologies including flint. (MADE GROUND)	2.85 -1.35 3.00 -1.50 (1.50)		
4.50-6.00	100 N/A N/A		11/12/2010	0800	ZONE OF CORE LOSS. (Possible MADE GROUND)	4.50 -3.00 (0.85)		
6.00-7.50	100 N/A N/A				Brown occasionally grey slightly gravelly locally gravelly SAND with rare medium gravel size shell fragments and fragments of wood up to 2mm x 50mm in size. Gravel is subangular to subrounded fine to coarse of mixed lithologies including flint. (MADE GROUND)	5.35 -3.85 5.60 -4.10 6.00 -4.50 (1.35)		
7.50-9.00	100 N/A N/A				Dark brown spongy amorphous to locally pseudo-fibrous PEAT with strong organic odour. (RECENT DEPOSITS)	7.35 -5.85 (0.50) 7.85 -6.35 (1.15)		
9.00-10.50	93 N/A N/A				Soft blueish grey organic CLAY thinly laminated with amorphous and pseudo-fibrous peat. Slight organic odour. (RECENT DEPOSITS)	9.00 -7.50 (0.80) 9.80 -8.30 (0.70)		
10.50-12.00	0 N/A N/A				Dark brown occasionally black spongy pseudo-fibrous, locally firm amorphous PEAT. (RECENT DEPOSITS)	10.50 -9.00 (1.50)		
12.00-13.50	100 N/A N/A		11/12/2010	1800	Black firm amorphous, locally spongy pseudo-fibrous PEAT. (RECENT DEPOSITS)	12.00 -10.50 (0.40) 12.40 -10.90 (2.05)		
13.50-15.00	93 N/A N/A				Grey silty fine to medium SAND with rare partings of black slightly clayey sand. (Possible RECENT DEPOSITS)	14.45 -12.95		
15.00-16.50	93 N/A N/A				Dark grey silty fine to medium SAND. (Possible RECENT DEPOSITS)	(1.65)		
16.50-18.00	0 N/A N/A				Yellowish brown fine to medium silty SAND. (Possible RECENT DEPOSITS)	16.10 -14.60 (0.40) 16.50 -15.00 (1.50)		
18.00-19.50	87 N/A N/A				Yellowish brown silty gravelly fine to medium SAND with occasional medium gravel size shell fragments. Gravel is subangular to subrounded fine to coarse of mixed lithologies including flint. (Possible RECENT DEPOSITS)	18.00 -16.50 (1.70)		
					Greenish grey locally yellowish brown silty fine to medium SAND with rare	18.85 m coarse gravel of grey sandstone 19.05 m coarse gravel of grey sandstone (0.30)		

Groundwater Entries		Depth Related Remarks *		Chiselling	
No. Struck (m)	Post strike behaviour	From (m)	To (m)	Depths (m)	Time
None observed (see Key Sheet)		1.50	66.00		
		U86 Sonic core barrel used.			Tools used

Borehole Log



Drilled P/J/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments					
19.50-21.00	100 N/A N/A					12.40m - 14.45m : medium gravel size shell fragments. (CRAG DEPOSITS)	20.00 -18.50 (1.30)							
21.00-22.50	100 N/A N/A					14.45m - 16.10m : Greyish brown slightly silty SAND with frequent medium gravel size shell fragments. (CRAG DEPOSITS)	21.30 -19.80 (2.10)							
22.50-24.00	90 N/A N/A					16.10m - 16.50m : Orangish brown slightly silty fine to medium SAND with occasional medium gravel size shell fragments. (CRAG DEPOSITS)	22.77-23.02 m rare fine gravel size shell fragments	23.40 -21.90 (1.00)						
24.00-25.50	83 N/A N/A					16.50m - 18.00m : ZONE OF CORE LOSS. SAND. (Foreman's description) (Possible CRAG DEPOSITS)	23.02-23.20 m occasional medium gravel size shell fragments	24.40 -22.90						
25.50-27.00	100 N/A N/A					18.00m - 19.70m : Grey slightly silty fine to medium SAND with frequent medium gravel size shell fragments. (CRAG DEPOSITS)	23.45 m frequent medium gravel size shell fragments	25.50-23.85 m silty	23.85-24.00 m NO RECOVERY	24.00-24.25 m NO RECOVERY	24.25-24.55 m occasional fine to	27.00 -25.50 (4.10)		
27.00-28.50	40 N/A N/A			12/12/2010 1800 27.00 13/12/2010 0800 27.00		Grey slightly silty fine to medium SAND with occasional fine gravel size shell fragments. (CRAG DEPOSITS)	coarse gravel size pockets of grey silty clay	25.25-26.25 m frequent medium to coarse gravel size shell fragments	28.50 -27.00 (1.50)					
28.50-30.00	83 N/A N/A					Greenish grey slightly silty fine to medium SAND with occasional medium gravel size shell fragments. (CRAG DEPOSITS)	grey and brown silty clay	25.25-26.80 m occasional fine to coarse gravel size pockets of greenish grey very silty sand	25.50-26.25 m occasional fine to coarse gravel size pockets of	30.00 -28.50 (1.70)				
30.00-31.50	100 N/A N/A					Grey slightly silty fine to medium SAND with occasional medium gravel size shell fragments. (CRAG DEPOSITS)	27.00-27.90 m NO RECOVERY	27.90-28.20 m rare medium gravel size shell fragments	28.20-28.50 m frequent medium gravel size shell fragments	28.50-28.75 m NO RECOVERY	31.50-31.60 m NO RECOVERY	31.70 -30.20 (2.70)		
31.50-33.00	93 N/A N/A					Blueish grey, locally brown silty fine to medium SAND with occasional fine gravel size shell fragments. (CRAG DEPOSITS)	31.60 m 2 No coarse gravel size cemented pockets of fine to coarse sand and shell fragments	32.40-32.50 m silty	32.50-32.90 m blueish grey very silty sand	35.45-36.00 m blueish grey	36.00 -34.50 (0.55)			
33.00-34.50	100 N/A N/A					Grey locally bluish grey slightly gravelly silty SAND. Gravel is subangular to subrounded fine to medium of mixed lithologies. (CRAG DEPOSITS)	36.55 -35.05 (2.45)							
34.50-36.00	100 N/A N/A					Grey locally bluish grey slightly silty SAND with frequent fine gravel size shell fragments. (CRAG DEPOSITS)	39.00 -37.50							
36.00-37.50	100 N/A N/A					Grey locally brown slightly silty fine to medium SAND with occasional medium gravel size shell fragments. (CRAG DEPOSITS)								
37.50-39.00	100 N/A N/A					Grey locally brown SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)								
						Blueish grey slightly silty SAND with frequent fine to medium, locally coarse gravel size shell fragments.								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 42.16 m								

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 39.00 42.00 Foreman reports casing dropped into borehole	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled P/J/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata			Ground Level		
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
39.00-42.00	0 N/A N/A					36.55m - 39.00m : (CRAG DEPOSITS) 39.00m - 42.16m : ZONE OF CORE LOSS. (Possible CRAG DEPOSITS)	(3.16)				
42.00-45.00	95 N/A N/A					Blueish grey slightly silty SAND with frequent fine to medium, locally coarse gravel size shell fragments. (CRAG DEPOSITS)	42.16 -40.66 (1.17)				
				13/12/2010	1800	Stiff fissured greyish brown slightly sandy CLAY. Sand is fine to medium. (LONDON CLAY A3ii)	43.22-43.33 m occasional coarse gravel size pockets of dark blueish black silty sand 43.33-43.43 m No cobbles of flint	43.33 -41.83 (1.67)			
45.00-46.50	100 N/A N/A			14/12/2010	0800	Stiff brown and grey slightly sandy CLAY with randomly spaced dark blueish grey laminations and medium to coarse gravel size pockets of silty clay. Sand is fine to medium. (LONDON CLAY A3ii)	43.43-43.66 m occasional polished fissures 44.56 m rare laminae of black fine to medium sand 44.75-45.00 m locally dark and light grey fine to medium sandy clay	45.00 -43.50			
46.50-48.00	100 N/A N/A						44.85 m 1 No pyrite nodule 25 x 15mm in size 45.73-48.00 m fine to coarse gravel size pockets of fine to medium grey sand	(6.00)			
48.00-49.50	87 N/A N/A						46.50-47.00 m black and grey fine to coarse gravel of siltstone and fine to medium sandstone. 48.00-51.00 m closely spaced horizons of blueish grey and dark grey slightly sandy silty clay	51.00 -49.50			
49.50-51.00	100 N/A N/A					Stiff greyish brown fine to medium sandy CLAY. (LONDON CLAY A3ii)	48.45-48.60 m fissured blueish grey locally dark grey slightly sandy clay	(1.50)			
51.00-52.50	100 N/A N/A					Stiff to very stiff fissured greyish brown slightly sandy locally sandy CLAY with occasional fine to coarse gravel size pockets of light brown and grey fine to medium sand. Fissures are extremely closely spaced, randomly orientated. Sand is fine to medium. (LONDON CLAY A3ii)	49.30-49.50 m NO RECOVERY 49.50-49.90 m frequent fine to coarse gravel of grey fine to medium sandstone	52.50 -51.00 (1.50)			
52.50-54.00	100 N/A N/A						50.30-51.15 m fine to medium gravel of sandstone and siltstone	54.00 -52.50 (1.50)			
54.00-55.50	100 N/A N/A					Very stiff fissured greyish brown CLAY with occasional fine to medium gravel size pockets of light brown silt. (LONDON CLAY A3ii)	51.60-51.68 m pockets of light grey fine to medium sand	55.50 -54.00 (0.95)			
55.50-57.00	100 N/A N/A					Stiff greyish brown mottled light grey and dark grey sandy CLAY Sand is fine to medium. (LONDON CLAY A3ii)	51.70 m dark grey 52.20-52.30 m dark blueish grey slightly sandy silty clay with occasional fine to coarse gravel of siltstone	56.45 -54.95 56.68 -55.18 57.00 -55.50			
57.00-58.50	100 N/A N/A			14/12/2010	1800	Light brown sandy SILT with rare blueish grey mottling. Sand is fine to medium. (LAMBETH GROUP - CLAY)	52.30-52.50 m brown with frequent fine to coarse gravel size pockets of light grey fine to	58.25 -56.75			
58.50-60.00	95 N/A N/A			15/12/2010	0800	Soft greyish brown locally slightly sandy CLAY with occasional fine to medium gravel size pockets of blueish grey silt. Sand is fine to medium.	52.30-52.50 m brown with frequent fine to coarse gravel size pockets of light grey fine to	(1.75)			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled P/JGR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests						Strata		Groundwater Entries		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
60.00-61.50	100 N/A N/A					56.68m - 57.00m : (LAMBETH GROUP - CLAY) : 52.30m - medium sand	60.00 -58.50 (1.67)			
61.50-63.00	100 N/A N/A					57.00m - 58.25m : Firm orangish brown mottled blueish grey locally orange slightly sandy silty CLAY. Sand is fine. (LAMBETH GROUP - CLAY) 61.57-61.67 m thin laminations of blueish grey sandy silt	61.67 -60.17 (0.83)			
63.00-64.50	87 N/A N/A					58.25m - 60.00m : Firm orangish brown mottled blueish grey locally orange sandy to very sandy SILT. Sand is fine to medium. (LAMBETH GROUP - CLAY) 61.67-61.74 m light grey fine sand band 61.92-61.97 m band of fine silty sand with thin lamina of brown clay	62.50 -61.00 (0.50) 63.00 -61.50			
64.50-66.00	100 N/A N/A					Firm blueish grey occasionally mottled orangish brown and brown sandy to very sandy SILT. (LAMBETH GROUP - CLAY) 62.85 m occasional fine to medium gravel of lignite present	64.97 -63.47 (1.97)			
66.00-66.50	100 N/A N/A			15/12/2010 1800 07/01/2011 0800 07/01/2011 0800 06.00		Stiff bluish grey slightly silty CLAY interlaminated with brown and orangish brown slightly sandy clay and grey silty fine sand. (LAMBETH GROUP - CLAY) 63.00-63.20 m NO RECOVERY 64.50-64.97 m grey to blueish grey slightly gravely to gravely very	66.00 -66.50 (1.53)			
66.50-68.00	100 N/A N/A					Very stiff greyish brown locally slightly sandy CLAY. Sand is fine. (LAMBETH GROUP - CLAY) silty sand with fine to coarse gravel size pockets of lignite 66.09-66.30 m	66.50 -65.00 (3.00)			
68.00-69.50	87 N/A N/A					Grey slightly gravely slightly silty fine to medium SAND with rare fine to medium gravel size pockets of blueish grey clay. Gravel is angular to subrounded fine to medium of white flint. (LAMBETH GROUP - SAND) 67.20-68.00 m randomly spaced slightly sandy to sandy clay bands with thin horizons of	69.50 -68.00 (1.88)			
69.50-71.00	100 N/A N/A			07/01/2011 1800 07.00 7.40		Grey silty fine to medium SAND with rare fine to medium gravel size shell fragments and rare fine to coarse gravel size pockets of grey clay. (LAMBETH GROUP - SAND) 68.00-68.90 m occasional fine to medium gravel size shell fragments	71.38 -69.88 (2.07)			
71.00-72.50	100 N/A N/A			08/01/2011 0800 08/01/2011 6.80		Grey silty fine to medium SAND with rare fine to medium gravel size shell fragments and rare fine to medium gravel size pockets of lignite. (LAMBETH GROUP - SAND) 68.90-69.20 m thin lamina of lignite 69.20-69.30 m slightly sandy clay 69.30-69.50 m	72.50 -71.95 (5.05)			
72.50-74.00	100 N/A N/A					Stiff to very stiff fissured dark grey CLAY. (LAMBETH GROUP - CLAY) NO RECOVERY 71.02-71.07 m fine grey silty sand infilled burrow 2mm x 50mm in size	74.00 -75.50 (1.50)			
74.00-75.50	100 N/A N/A					Very stiff extremely closely fissured dark grey silty CLAY with rare fine to coarse gravel size pockets of green glauconite. (LAMBETH GROUP - CLAY) 72.50-73.45 m glauconite absent 73.63-73.64 m light grey silty clay	75.50 -77.00 (1.50)			
75.50-77.00	100 N/A N/A					Very stiff fissured silty CLAY with occasional locally frequent fine to coarse gravel size pockets of green glauconite. Fissures are closely spaced, randomly orientated, smooth. (LAMBETH GROUP - CLAY) 75.40-77.00 m frequent green and black glauconite	77.00 -78.50 (1.50)			
77.00-78.50	100 N/A N/A			08/01/2011 1800 07.00 10.50		Very stiff reddish brown fissured silty CLAY with fine to medium gravel size pockets of brown clay. Fissures are closely spaced, randomly orientated, (LAMBETH GROUP - CLAY) 78.15-78.30 m slightly sandy 78.30-78.50 m slightly reddish brown with occasional fine to coarse gravel size pockets of black glauconite	78.50 -77.00 (1.50)			
78.50-80.00	100 N/A N/A			09/01/2011 1800						

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck Post strike behaviour (m)	From to (m)	Depths (m) Time Tools used
None observed (see Key Sheet)	66.00 80.00 S size Sonic core barrel used. 80.00 120.50 Conventional T6116 core barrel used.	

Borehole Log



Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests				Strata			Ground Level		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
80.00-81.50	100 N/A			70.00 10/01/2011 80.00	0800	smooth and polished. (LAMBETH GROUP - CLAY) reddish brown 79.15m - 79.15 m slightly	80.00 -78.50 (0.75)		
81.50-83.00	77 69 69					Very stiff slightly sandy slightly gravelly to gravelly dark green locally black CLAY. Gravel is subangular to rounded fine to coarse of flint. (LAMBETH GROUP - CLAY) 80.40 m 1 No cobble of flint 80.60 m white 80.68 m 1 no cobble of flint 81.54-81.89 m AZCL	80.75 -79.25 (0.87)		
83.00-84.50	47 47 47					Structureless CHALK composed of white slightly sandy slightly gravelly SILT. Gravel is very weak low density chalk and angular to subangular fine to coarse flint. (WHITE CHALK GRADE DM) 81.98 m 1 No full shell 40mm in size 82.02 m 1 No full circ flint 50mm in size	81.62 -80.12 (2.08)		
84.50-86.00	60 7 7					Very weak medium to low density white CHALK with occasional grey staining. Fractures are very closely spaced, rough and smooth. (WHITE CHALK GRADE C4) 83.00-83.70 m drilling induced non intact	83.70 -82.20 (1.40)		
86.00-87.50	100 91 85			10/01/2011 86.00 11/01/2011 86.00	1800 1:00 0800 4:00	ZONE OF CORE LOSS. (Possible CHALK) 85.10-85.90 m non intact due to multiple vertical fractures 85.90-86.00 m 1 No full circ flint 100mm in size 86.00-86.13 m non intact due to multiple vertical fractures 86.92-87.00 m heavy grey staining 87.20 m 1 No flint 30mm in size and non intact 87.80 m 1 No full circ flint 100mm in size	85.10 -83.60 (3.90)		
87.50-89.00	87 87 87					Very weak medium to low density white CHALK with occasional grey staining. Fractures are closely spaced, randomly orientated, rough, undulated, open. (WHITE CHALK GRADE C3) 87.90-88.10 m AZCL 88.10-88.25 m	89.00 -87.50 (0.85)		
89.00-90.50	43 43 43					Very weak medium to low density white CHALK with occasional grey staining. Fractures are very closely spaced, rough and smooth. (WHITE CHALK GRADE C4) 89.00 m 1 No flint 20mm in size 90.50-91.20 m drilling induced non intact	89.85 -88.35 (1.35)		
90.50-92.00	47 47 47					ZONE OF CORE LOSS. (Possible CHALK) 91.13 m 1 No nodular flint 70mm in size 92.00-92.10 m 1 No full circ flint 100mm in size 92.00-93.50 m drilling induced non intact 92.48-92.53 m heavy grey staining	91.20 -89.70 (0.80)		
92.00-93.50	100 100 0					Very weak medium to low density white CHALK with occasional grey staining. Fractures are closely spaced, rough and smooth. (WHITE CHALK GRADE C4) 93.13 m 1 No light grey brown 5-10mm subhorizontal band	92.00 -90.50 (1.50)		
93.50-95.00	93 93 93					Very weak medium to low density white CHALK with occasional grey staining. Fractures are medium spaced, rough, undulating, open. (WHITE CHALK C2) 94.47-94.63 m 1 No brown high full circ flint 94.53-94.63 m AZCL	93.50 -92.00 (1.55)		
95.00-96.50	47 47 47					ZONE OF CORE LOSS. (Possible CHALK) 95.05 m 1 No nodular flint 50mm in size	95.05 -93.55 (0.80)		
96.50-98.00	0 0 0			11/01/2011 96.50 12/01/2011 96.50	1800 3:00 0800 2:00	Very weak medium to low density white CHALK with occasional grey staining. Fractures are medium spaced, rough, undulating, open. (WHITE CHALK C1) 96.00-96.10 m 1 No full circ flint 100 in size 98.10-99.50 m drilling induced non intact	96.50 -95.00 (1.50)		
98.00-99.50	100 100 100					ZONE OF CORE LOSS. (Possible CHALK) 99.50 m 1 No nodular flint	98.00 -96.50 (3.00)		
Stratum continues to 101.00 m									

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck Post strike behaviour (m)	From to (m)	Depths (m) Time Tools used
None observed (see Key Sheet)	80.00 120.50 Conventional T6116 core barrel used.	

Borehole Log



Drilled P/J/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water				Description (Continued from Sheet 5)	
99.50-101.00	100 100 100					Very weak medium to low density white CHALK with occasional grey staining. Fractures are widely spaced, rough, undulating, open. (CHALK C1)	99.50m - 50mm in size 100.53-100.54 m 1 No 25mm grey band	01.00 -99.50		
101.00-102.50	90 90 85					Very weak medium to low density white CHALK with occasional grey staining and localised orangish brown staining. Occasional localised black speckling on fracture surfaces. Rare fine to medium gravel size shell fragments. Fractures are medium spaced, rough, smooth, undulating and planar. (WHITE CHALK GRADE C2)	102.10 m localised green staining 102.35-102.70 m AZCL 102.70-102.80 m high full circ flint 100mm in size 103.53-103.55 m grey band	(3.25)		
102.50-104.00	87 87 87					ZONE OF CORE LOSS. (Possible CHALK)	104.00 m 1 No nodular flint 40mm in size 104.10 m 1 No high full circ flint 50mm in size	04.25 -102.75		
104.00-105.50	17 17 17			12/01/2011 1800		Very weak medium to low density white CHALK with occasional grey staining and localised black speckling on fracture surfaces. Rare fine to medium gravel size shell fragments. Fractures are medium spaced, rough and smooth, undulating and planar. (WHITE CHALK GRADE C2)	104.15 m 1 No high full circ flint 50mm in size 104.20-104.25 m drilling induced non intact 106.60-106.70 m drilling induced non intact	05.50 -104.00 (0.40) 05.90 -104.40		
105.50-107.00	27 27 27			105.50 7.00 13/01/2011 0800 105.50 0.00		ZONE OR CORE LOSS. (Possible CHALK)				
107.00-108.50	0 0 0					Very weak medium to low density white CHALK with occasional grey staining and localised orangish brown staining. Occasionally localised black speckling on fracture surfaces. Rare fine to medium gravel size shell fragments. Fractures are medium spaced, rough, smooth, undulating and planar. (WHITE CHALK GRADE C2)	108.75-108.87 m 1 No high full circ flint 120mm in size 108.75-111.70 m drilling induced non intact	08.75 -107.25		
108.50-110.00	83 83 83					ZONE OF CORE LOSS. (Possible CHALK)				
110.00-111.50	57 57 57					Extremely weak medium to low density white CHALK with rare black specking and localised grey mottling. Rare shells, shell fragments and fossils. Fractures are extremely closely spaced, smooth, planar. (WHITE CHALK GRADE C5)	111.60-116.80 m generally recovered as slightly sandy gravelly SILT 111.60-116.80 m drilling induced non intact 111.70-112.10 m solid core 112.53-112.77 m solid core 113.16-113.20 m solid core 113.42-114.02 m solid core 114.10-114.50 m AZCL	10.85 -109.35 (0.75) 11.60 -110.10		
111.50-113.00	93 93 93					ZONE OF NO RECOVERY. (Possible CHALK)				
113.00-114.50	73 73 73					Extremely weak medium to low density white CHALK. Unable to grade due to drilling disturbance. (CHALK)	117.70-120.50 m drilling induced non intact	16.80 -115.30 (0.90) 17.70 -116.20		
114.50-116.00	100 100 100			13/01/2011 1800		Stratum continues to 120.50 m				
116.00-117.50	53 53 53	N/A		111.50 17.40 14/01/2011 0800 111.50 5.40						
117.50-119.00	87 87 87	N/A								
119.00-120.50	100 100 100									

Groundwater Entries	Depth Related Remarks *	Chiselling
No. Struck Post strike behaviour (m)	From to (m)	Depths (m) Time Tools used
None observed (see Key Sheet)		

Borehole Log



Soil Mechanics

Drilled PJ/GR Logged JC Checked MT	Start 09/12/2010 End 26/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig (0.00-66.00m) Sonic 300 lorry mounted rotary rig (66.00-120.50m) Sonic rotary core drilling (U86 / S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 120.50m	Ground Level +1.50 mOD Coordinates E 647206.18 National Grid N 264198.57 Chainage
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Samples and Tests				Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
				14/01/2011	1800	Extremely weak medium to low density white CHALK. Unable to grade due to drilling disturbance. (CHALK)	20.50 -119.00		SP
				120.50	17.30	EXPLORATORY HOLE ENDS AT 120.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_1 Sheet 7 of 7
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Borehole Log



Drilled PJ Logged Checked MT		Start 25/11/2010 End 05/02/2011		Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.		Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m		Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage		
Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.00-3.00	60 N/A N/A		0.00-1.20 m Hand excavated inspection pit.	25/11/2010	0800	Sand. (Foreman's description) (Possible MADE GROUND)	(6.00)			
3.00-6.00	100 N/A N/A									
6.00-9.00	100 N/A N/A					Peat. (Foreman's description) (RECENT DEPOSITS)	6.00 -4.45 (3.00)			
9.00-12.00	100 N/A N/A			25/11/2010 9.00 26/11/2010 9.00	0800	Sand. (Foreman's description) (CRAG DEPOSITS)	9.00 -7.45			
12.00-15.00	100 N/A N/A									
15.00-18.00	100 N/A N/A									
18.00-21.00	100 N/A N/A									
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 43.30 m				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)				Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100				Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. A0012-10 Carried out for NNB Generation Company Limited		Borehole DBH 2009_2 Sheet 1 of 7				

Borehole Log



Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
21.00-24.00	100 N/A N/A					Sand. (Foreman's description) (CRAG DEPOSITS)	(34.30)		
24.00-27.00	100 N/A N/A								
27.00-30.00	83 N/A N/A								
30.00-33.00	100 N/A N/A								
33.00-36.00	93 N/A N/A			26/11/2010 33.00 27/11/2010 0800 33.00 0.95					
36.00-39.00	100 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 43.30 m			

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
None observed (see Key Sheet)		27.00 121.50 Water added to assist boring.	

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_2 Sheet 2 of 7
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Borehole Log



Drilled PJ Logged Checked MT		Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.			Depth from 0.00m	to 121.50m	Diameter 150mm	Casing Depth 121.50m	Ground Level Coordinates National Grid Chainage	+1.55 mOD E 647201.84 N 264198.65
Samples and Tests						Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)			Depth, Level/ Thickness	Legend	Backfill/ Instruments
39.00-42.00	100 N/A N/A					Sand. (Foreman's description) (CRAG DEPOSITS)					
42.00-45.00	100 N/A N/A					Clay. (Foreman's description) (LONDON CLAY)			43.30 -41.75 (1.70)		
45.00-48.00	50 N/A N/A			27/11/2010 28/11/2010 45.00	12.90 0800	Hard grey clay. (Foreman's description) (LONDON CLAY)			45.00 -43.45		
48.00-51.00	100 N/A N/A										
51.00-54.00	83 N/A N/A										
54.00-57.00	100 N/A N/A										
57.00-60.00	100 N/A N/A			28/11/2010 30/11/2010 57.00	0800	London Clay. (Foreman's description) (LONDON CLAY)			57.00 -55.45		
Depth						Stratum continues to 63.00 m					
Groundwater Entries No. Struck Post strike behaviour (m)				Depth sealed (m)		Depth Related Remarks * From to (m)				Chiselling Depths (m) Time Tools used	
None observed (see Key Sheet)											
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited				Borehole DBH 2009_2 Sheet 3 of 7	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:42:44											

Borehole Log



Drilled PJ Logged Checked MT		Start 25/11/2010 End 05/02/2011		Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.		Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m		Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage		
Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
60.00-63.00	100 N/A N/A					London Clay. (Foreman's description) (LONDON CLAY)	(6.00)			
63.00-66.00	67 N/A N/A			30/11/2010 63.00 07/12/2010 63.00	0800	Sand. (Foreman's description) (LAMBETH GROUP - SAND)	63.00 -61.45			
66.00-69.00	100 N/A N/A						(7.50)			
69.00-72.00	100 N/A N/A					Stiff clay. (Foreman's description) (LAMBETH GROUP - CLAY)	70.50 -68.95			
72.00-75.00	100 N/A N/A						(9.20)			
75.00-78.00	100 N/A N/A			07/12/2010 78.00 31/01/2011 78.00	0800					
78.00-81.00	100 N/A N/A						79.70 -78.15			
Depth						Stratum continues to 121.50 m				
Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)				Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100				Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited		Borehole DBH 2009_2 Sheet 4 of 7				

Borehole Log



Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
81.00-82.50	100 N/A N/A		*	31/01/2011 01/02/2011	11.70 0800 0.00	Chalk. (Foreman's description) (WHITE CHALK GRADE ?)	81.00-82.50 m Foreman reports core slipped.		
82.50-84.00	100 N/A N/A								
84.00-87.00	100 N/A N/A								
87.00-90.00	100 N/A N/A								
90.00-91.50	37 N/A N/A								
91.50-94.50	100 N/A N/A			01/02/2011 02/02/2011	20.80 0800 0.00				
94.50-97.50	100 N/A N/A			94.00		94.55-97.50 m Foreman reports soft chalk.			
97.50-100.50	0 N/A N/A								
Stratum continues to 121.50 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 81.00 82.50 Conventional T6116 core barrel used. 90.00 91.50 Conventional T6116 core barrel used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
100.50-103.50	100 N/A N/A					Chalk. (Foreman's description) (WHITE CHALK GRADE ?)	(41.80)		
103.50-106.50	100 N/A N/A								
106.50-109.50	0 N/A N/A			02/02/2011 106.50 03/02/2011 106.50	13.00 0800 0.00				
109.50-112.50	100 N/A N/A								
112.50-115.50	100 N/A N/A						112.55-118.50 m Foreman reports soft chalk.		
115.50-118.50	100 N/A N/A								
Stratum continues to 121.50 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 103.50 106.50 No sonic used during coring. 112.50 115.50 No sonic used during coring.	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:42:47	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_2 Sheet 6 of 7
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Borehole Log



Drilled PJ Logged Checked MT	Start 25/11/2010 End 05/02/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic tracked rig (0.00m-78.00m) Sonic 300 lorry mounted rotary rig (78.00m-121.50m) Sonic rotary core drilling (U86/S size) using water flush.	Depth from 0.00m to 121.50m Diameter 150mm Casing Depth 121.50m	Ground Level +1.55 mOD Coordinates E 647201.84 National Grid N 264198.65 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
118.50-121.50	100 N/A N/A			03/02/2011 121.50	16.00	Chalk. (Foreman's description) (WHITE CHALK GRADE ?)	21.50 -119.95		SP
EXPLORATORY HOLE ENDS AT 121.50 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole DBH 2009_2 Sheet 7 of 7
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Borehole Log



Drilled MC Logged Checked MT	Start 19/07/2010 End 26/07/2010	Equipment, Methods and Remarks K709 tracked rotary rig. Rotary open hole drilling using water flush.	Depth from 0.00m to 48.00m Diameter 483mm Casing Depth	Ground Level +1.59 mOD Coordinates E 647329.98 National Grid N 264094.78 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.00 0.00	EW 1 EW 2	0.00-1.20 m Hand excavated inspection pit.*	20/07/2010	0800	SAND. (Foreman's description) (Possible MADE GROUND/RECENT DEPOSITS)	(11.00)		
			20/07/2010	dry	Peaty CLAY. (Foreman's description) (RECENT DEPOSITS)	11.00 (1.00)		
			22/07/2010	0800	SAND and shells. (Foreman's description) (CRAG DEPOSITS)	12.00		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 42.00 m			
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 48.00 483mm drag bit used.		Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10		Borehole DBH 2009_20		
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:42:54			Project No.	Carried out for NNB Generation Company Limited		Sheet 1 of 3		

Borehole Log



Drilled MC Logged Checked MT	Start 19/07/2010 End 26/07/2010	Equipment, Methods and Remarks K709 tracked rotary rig. Rotary open hole drilling using water flush.	Depth from 0.00m to 48.00m Diameter 483mm Casing Depth	Ground Level +1.59 mOD Coordinates E 647329.98 National Grid N 264094.78 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
					SAND and shells. (Foreman's description) (CRAG DEPOSITS)	(30.00)				
					Stratum continues to 42.00 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Soil Mechanics

Drilled MC Logged Checked MT	Start 19/07/2010 End 26/07/2010	Equipment, Methods and Remarks K709 tracked rotary rig. Rotary open hole drilling using water flush.	Depth from 0.00m to 48.00m Diameter 483mm Casing Depth	Ground Level +1.59 mOD Coordinates E 647329.98 National Grid N 264094.78 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
					SAND and shells. (Foreman's description) (CRAG DEPOSITS)			SP
					Traces of London CLAY. (Foreman's description) (Possible LONDON CLAY)	42.00 (3.00)		
					London CLAY. (Foreman's description)	45.00 (3.00)		
			22/07/2010		EXPLORATORY HOLE ENDS AT 48.00 m	48.00		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.
Scale 1:100

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Borehole
DBH 2009_20
Sheet 3 of 3

Borehole Log



Drilled MA Logged Checked MT		Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).		Depth from 0.00m	to 50.40m	Diameter 194mm	Casing Depth 6.00m	Ground Level Coordinates National Grid Chainage	+1.57 mOD E 647352.02 N 264217.61	
Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments			
		0.00-50.40 m Rotary open hole drilling.			Beige reddish clayey SAND with shell fragments. (MADE GROUND)	(2.60)					
					Black peaty SAND. (Possibly RECENT DEPOSITS)	2.60 (0.40) 3.00 -1.43					
		Flush: 0.00-8.40 water/mud, 100 %			Grey SAND. (Possibly RECENT DEPOSITS)	(4.50)					
					Dark grey to black clayey PEAT. (RECENT DEPOSITS)	7.50 -5.93					
		Flush: 8.40-11.40 water/mud, 70 %				(3.10)					
					Grey green SAND with some shell fragments. (Possibly CRAG DEPOSITS)	10.60 -9.03					
		Flush: 11.40-14.40 water/mud, 60 %				(5.90)					
		Flush: 14.40-17.40 water/mud, 50 %									
					Grey green SAND with shell fragments (very cemented between 40.70m and 40.90m). (CRAG DEPOSITS)	16.50 -14.93					
		Flush: 17.40-20.40 water/mud, 40 %									
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.70 m						
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks * From to (m)				Chiselling Depths (m) Time Tools used		
None observed (see Key Sheet)											
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. Carried out for NNB Generation Company Limited					Borehole MPM 2009_4A Sheet 1 of 3	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:42:59											

Borehole Log

Drilled MA Logged Checked MT	Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).	Depth from 0.00m to 50.40m Diameter 194mm Casing Depth 6.00m	Ground Level +1.57 mOD Coordinates E 647352.02 National Grid N 264217.61 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level / (Thickness)	Legend	Backfill / Instruments
			10/12/2010	0.00	Grey green SAND with shell fragments (very cemented between 40.70m and 40.90m). (CRAG DEPOSITS)			
			6.00	0800				
			11/12/2010	1.20				
			6.00	1.20				
		Flush: 20.40-44.40 water/mud, 90 %	11/12/2010	1.20		(29.20)		
			6.00	0800				
			12/12/2010	1.20				
			6.00	1.20				

Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.70 m			
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Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MA Logged Checked MT	Start 10/12/2010 End 12/12/2010	Equipment, Methods and Remarks T51 Unimog and triplex pump. Rotary open hole drilling using polymer mud flush. (EZ mud gold).	Depth from 0.00m to 50.40m Diameter 194mm Casing Depth 6.00m	Ground Level +1.57 mOD Coordinates E 647352.02 National Grid N 264217.61 Chainage				
Samples and Tests			Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)			
					Grey green SAND with shell fragments (very cemented between 40.70m and 40.90m). (CRAG DEPOSITS)			
		Flush: 44.40-50.40 water/mud, 80 %			Grey-brown to grey CLAY. (LONDON CLAY A3ii)	45.70 -44.13		
			12/12/2010	1.20		(4.70)	SP	
			6.00		EXPLORATORY HOLE ENDS AT 50.40 m	50.40 -48.83		
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries No. Struck Post strike behaviour Depth sealed (m)					Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used	
None observed (see Key Sheet)								
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited		Borehole MPM 2009_4A Sheet 3 of 3	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:43:01								

Borehole Log



Drilled PJ Logged Checked MT	Start 05/01/2011 End 06/01/2011	Equipment, Methods and Remarks DB320 / 10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 48.00m Diameter 140mm Casing Depth 48.00m	Ground Level +1.76 mOD Coordinates E 647345.88 National Grid N 264112.07 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.00-3.00	50 N/A N/A					SAND. (Foreman's description) (MADE GROUND)	(3.00)		
3.00-6.00	100 N/A N/A					SAND/CLAY. (Foreman's description) (Possible MADE GROUND)	3.00 -1.24 (3.00)		
6.00-9.00	100 N/A N/A					CLAY/PEAT. (Foreman's description) (Possible RECENT DEPOSITS)	6.00 -4.24 (3.00)		
9.00-12.00	100 N/A N/A					PEAT/CLAY. (Foreman's description) (RECENT DEPOSITS)	9.00 -7.24 (3.00)		
12.00-15.00	100 N/A N/A					SAND. (Foreman's description) (CRAG DEPOSITS)	12.00 -10.24		
15.00-18.00	100 N/A N/A								
18.00-21.00	100 N/A N/A			05/01/2011 18.00	dry				
				06/01/2011 18.00	dry				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 44.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled PJ Logged Checked MT	Start 05/01/2011 End 06/01/2011	Equipment, Methods and Remarks DB320 / 10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 48.00m Diameter 140mm Casing Depth 48.00m	Ground Level +1.76 mOD Coordinates E 647345.88 National Grid N 264112.07 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
21.00-24.00	100 N/A N/A					SAND. (Foreman's description) (CRAG DEPOSITS)	(32.00)		
24.00-27.00	100 N/A N/A								
27.00-30.00	100 N/A N/A								
30.00-33.00	100 N/A N/A								
33.00-36.00	100 N/A N/A								
36.00-39.00	100 N/A N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 44.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled PJ Logged Checked MT	Start 05/01/2011 End 06/01/2011	Equipment, Methods and Remarks DB320 / 10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 48.00m Diameter 140mm Casing Depth 48.00m	Ground Level +1.76 mOD Coordinates E 647345.88 National Grid N 264112.07 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
39.00-42.00	100 N/A N/A					SAND. (Foreman's description) (CRAG DEPOSITS)			
42.00-48.00	50 N/A N/A					SAND/CLAY. (Foreman's description) (LONDON CLAY A3ii)	44.00 -42.24 (4.00)		
				06/01/2011 43.00	drv	EXPLORATORY HOLE ENDS AT 48.00 m	48.00 -46.24		SP

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log

Drilled MN Logged Checked MT		Start 01/10/2010 End 30/10/2010			Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).				Depth from 0.00m 14.50m		to 14.50m 81.90m		Diameter 194mm 146mm		Casing Depth 14.50m 80.50m		Ground Level Coordinates National Grid Chainage		+2.02 mOD E 647241.75 N 263985.76	
Samples and Tests					Strata															
Depth	Type & No	Records	Date Casing	Time Water	Description										Depth, Level / (Thickness)	Legend	Backfill/ Instruments			
		0.00-1.20 m Hand excavated inspection pit. *			Yellow brown sand fill. (Foreman's description) (MADE GROUND)										(1.20)					
					Backfill. (Foreman's description) (MADE GROUND)										1.20 +0.82		1			
					(4.00)															
					Sand fill. (Foreman's description) (MADE GROUND)										5.20 -3.18					
			01/10/2010	0800											(0.80)					
			02/10/2010	0800											6.00 -3.98					
			03/10/2010	0800																
			04/10/2010	0800																
			05/10/2010	0800																
			06/10/2010	0800																
			07/10/2010	0800																
			08/10/2010	0800																
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			14/10/2010	0800																
			15/10/2010	0800																
			16/10/2010	0800																
			17/10/2010	0800																
			18/10/2010	0800																
			19/10/2010	0800																
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			21/10/2010	0800																
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			24/10/2010	0800																
			25/10/2010	0800																
			26/10/2010	0800																
			27/10/2010	0800																
			28/10/2010	0800																
			29/10/2010	0800																
			30/10/2010	0800																
					Stratum continues to 26.50 m															
Groundwater Entries					Depth Related Remarks *										Chiselling					
No.	Struck (m)	Post strike behaviour	Depth sealed (m)		From	to (m)											Depths (m)	Time	Tools used	
1	1.10	-	-		0.00	10.00	Rotary open hole drilling no testing undertaken.													
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited										Borehole SBP 2009_1 Sheet 1 of 5					
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 15:34:53																				

Borehole Log



Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m 14.50m	to 14.50m 81.90m	Diameter 194mm 146mm	Casing Depth 14.50m 80.50m	Ground Level +2.02 mOD Coordinates E 647241.75 National Grid N 263985.76 Chainage
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Samples and Tests				Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)				
					SAND. (Foreman's description) (CRAG DEPOSITS)		(10.50)		
			11/10/2010 22.50	0.00 0800		22.50-23.50 m B1T4			
			14/10/2010 22.50	0.00 0.00					
			14/10/2010 26.50	0.00 0800		26.50-27.50 m B1T5	26.50 -24.48		
			15/10/2010 26.50	0.00 0.00	SAND with shells. (Foreman's description) (CRAG DEPOSITS)				
			15/10/2010 30.50	0.00 0800		30.50-31.50 m B1T6			
			16/10/2010 30.50	0.00 0.00					
		Flush: 13.00-56.50 mud, 100 %	16/10/2010 34.50	0.00 0800		34.50-35.60 m B1T7			
			18/10/2010 34.50	0.00 0.00			(18.50)		
						38.50-39.60 m B1T8			
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.00 m				

Groundwater Entries No. Struck (m)	Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m)	Time	Tools used
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Borehole Log

Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 14.50m	Diameter 194mm	Casing Depth 14.50m 80.50m	Ground Level Coordinates National Grid Chainage	+2.02 mOD E 647241.75 N 263985.76
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			18/10/2010	0.00	SAND with shells. (Foreman's description) (CRAG DEPOSITS)	42.50 - 43.65 m B1T9		
			19/10/2010	0.00				
			19/10/2010	0800				
			42.50	0.00				
					CLAY. (Foreman's description) (LONDON CLAY)	45.00 - 42.98 (2.50)		
					CLAY with siltstone bands (Foreman's description) (LONDON CLAY)	47.00 - 48.50 m B1T10 (1.50)		
			19/10/2010	0.00	CLAY. (Foreman's description) (LONDON CLAY)	51.50 - 52.50 m B1T11	(9.00)	
			20/10/2010	0800				
			20/10/2010	0.00				
			21/10/2010	0800				
			21/10/2010	0.00				
			51.50	0.00				
					CLAY with sand and gravel. (Foreman's description) (LAMBETH GROUP - CLAY)	56.50 - 57.50 m B1T12 (1.50)		
			21/10/2010	0.00	Stratum continues to 65.50 m			
			25/10/2010	0800				
			51.50	0.00				

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m 14.50m	to 14.50m 81.90m	Diameter 194mm 146mm	Casing Depth 14.50m 80.50m	Ground Level +2.02 mOD Coordinates E 647241.75 National Grid N 263985.76 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		Flush: 59.50-64.00 water, 90 %	25/10/2010 64.00 26/10/2010 64.00	0.00 0800 0.00	SAND with large gravel and claystones. (Foreman's description) (LAMBETH GROUP-SAND)	(6.00)		
		Flush: 64.00-67.00 water, 95 %	26/10/2010 64.00 27/10/2010 67.00	0.00 0800 0.00	CLAY. (Foreman's description) (LAMBETH GROUP-CLAY)	65.50 -63.48		
		Flush: 67.00-80.50 water, 90 %	27/10/2010 70.00 28/10/2010 70.00	0.00 0800 0.00				
			28/10/2010 72.00 29/10/2010 72.00	0.00 0800 0.00		(15.40)		
			29/10/2010 77.00 30/10/2010 77.00	0.00 0800 0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 80.90 m			

Groundwater Entries No. Struck (m) Post strike behaviour	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged Checked MT	Start 01/10/2010 End 30/10/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m 14.50m	to 14.50m 81.90m	Diameter 194mm 146mm	Casing Depth 14.50m 80.50m	Ground Level Coordinates National Grid Chainage	+2.02 mOD E 647241.75 N 263985.76
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
					CLAY. (Foreman's description) (LAMBETH GROUP-CLAY)	80.90 -78.88				
			30/10/2010 81.90	0.00	GRAVEL beds. (Foreman's description) (possible LAMBETH GROUP - BULLHEAD BEDS)	81.10 -79.08 (0.80)				
					CHALK. (Foreman's description) (UPPER CHALK)					
					EXPLORATORY HOLE ENDS AT 81.90 m					

Groundwater Entries	Depth Related Remarks *	Chiselling		
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)
			Depths (m)	Time
				Tools used

Borehole Log



Drilled NE Logged PM Checked MT		Start 29/09/2010 End 27/01/2011			Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)		Depth from 0.00m 9.15m		to 9.15m 125.80m		Diameter 200mm 146mm	Casing Depth 9.15m 124.50m	Ground Level Coordinates National Grid Chainage		+1.54 mOD E 647210.22 N 264198.79	
Samples and Tests					Strata											
Depth	Type & No	Records	Date Casing	Time Water	Description							Depth, Level (Thickness)	Legend	Backfill/ Instruments		
		0.00-1.20 m Hand excavated inspection pit.*	29/09/2010	0800	0.00m - 92.80m ROTARY OPEN HOLE DRILLING. No samples recovered. STRATA DESCRIPTIONS AND BOUNDARIES TAKEN FROM DBH2009_1.							(1.20)				
		*										1.20 +0.34				
					SAND. (MADE GROUND)							(4.15)				
					PEAT. (RECENT DEPOSITS)							5.35 -3.81				
					Organic CLAY. (RECENT DEPOSITS)							5.60 -4.06				
												6.00 -4.46				
					PEAT. (RECENT DEPOSITS)							(1.85)				
					Silty SAND. (Possible RECENT DEPOSITS)							7.85 -6.31				
			29/09/2010	1800												
			30/09/2010	0800												
			30/09/2010	9.15								(4.15)				
			30/09/2010	1800												
			01/10/2010	0800												
			01/10/2010	9.15	Silty gravelly SAND. (Possible RECENT DEPOSITS)							12.00 -10.46				
			01/10/2010	1800								12.40 -10.86				
			02/10/2010	0800												
			02/10/2010	12.75	Silty SAND. (CRAG DEPOSITS)							12.75-13.80 m B2T1				
			02/10/2010	1800												
			03/10/2010	0800												
			03/10/2010	13.80												
			03/10/2010	1800												
			04/10/2010	0800												
			04/10/2010	14.75	14.75-16.00 m B2T2											
			04/10/2010	1800												
			05/10/2010	0800												
			05/10/2010	18.75	18.75-19.80 m B2T3											
					19.80-20.80 m											
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 28.50 m											
Groundwater Entries			Depth sealed (m)		Depth Related Remarks *						Chiselling					
No.	Struck	Post strike behaviour (m)			From to (m)						Depths (m)	Time	Tools used			
None observed (see Key Sheet)					0.00 125.80 Sonic rotary open hole drilling 178mm used to install liner. 1.20 12.70 Rotary open hole drilling no testing undertaken.											
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL							Borehole				
Scale 1:100				Project No.	SITE A0012-10							SBP 2009_2				
(c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 15:40:10				Carried out for	NNB Generation Company Limited							Sheet 1 of 7				

Borehole Log



Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
			05/10/2010	1800	Silty SAND. (CRAG DEPOSITS)	(16.10)				
			20.00	0800						
			12/10/2010	20.80						
			20.80							
			12/10/2010	1800	Gravelly silty SAND. (CRAG DEPOSITS)	28.50 -26.96				
			23.40	0800						
			13/10/2010	23.40						
			23.40							
			13/10/2010	1800	Silty SAND. (CRAG DEPOSITS)	31.70 -30.16				
			27.00	0800						
			14/10/2010	27.80						
			27.80							
			14/10/2010	1800	SAND. (CRAG DEPOSITS)	36.00 -34.46				
			33.00	0800						
			16/10/2010	33.80						
			33.80							
			16/10/2010	1800	Silty SAND. (CRAG DEPOSITS)	36.55 -35.01				
			37.00	0800						
			19/10/2010	37.80						
			37.80							
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.33 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata			Ground Level		
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
			19/10/2010	1800	Silty SAND. (CRAG DEPOSITS)					
			25/10/2010	0800		42.30-43.50 m B2T9	43.33	-41.79		
			25/10/2010	1800	Sandy CLAY. (LONDON CLAY)					
			26/10/2010	0800		46.50-47.00 m foreman reports hard siltstone horizon 47.30-48.50 m B2T10	(10.67)			
			26/10/2010	1800	CLAY. (LONDON CLAY)					
			27/10/2010	0800		51.80-53.00 m B2T11	54.00	-52.46		
			27/10/2010	1800	Sandy CLAY. (LONDON CLAY)					
			28/10/2010	0800		54.80	(1.50)			
					Sandy SILT. (LAMBETH GROUP - CLAY)					
						55.50	-53.96	(0.95)		
					Sandy CLAY. (LAMBETH GROUP - CLAY)					
						56.45	-54.91	(0.32)		
					Sandy silty CLAY. (LAMBETH GROUP - CLAY)					
						56.68	-55.14	(1.25)		
					Sandy SILT. (LAMBETH GROUP - CLAY)					
						57.00	-55.46	(3.42)		
			28/10/2010	1800	Stratum continues to 61.67 m					
			29/10/2010	0800		59.30				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments			
			29/10/2010	1800	Sandy SILT. (LAMBETH GROUP - CLAY)						
			01/11/2010	0800							
			01/11/2010	0800							
			01/11/2010	0800							
					Silty CLAY. (LAMBETH GROUP - CLAY)	61.80-62.50 m (0.83)					
					Sandy CLAY. (LAMBETH GROUP - CLAY)	62.50-60.96 (0.50)					
					Gravelly silty SAND. (LAMBETH GROUP - SAND)	63.00-61.46 (1.97)					
					Silty SAND. (LAMBETH GROUP - SAND)	64.97-63.43 (4.53)					
			01/11/2010	1800	CLAY. (LAMBETH GROUP - CLAY)						
			02/11/2010	0800							
			02/11/2010	0800							
			02/11/2010	0800							
					Silty CLAY (LAMBETH GROUP - CLAY)	69.30-70.50 m (1.88)					
			02/11/2010	1800	Silty CLAY (LAMBETH GROUP - CLAY)						
			05/11/2010	0800							
			05/11/2010	0800							
			05/11/2010	0800							
						73.30-75.00 m (8.62)					
			08/11/2010	1800							
			08/11/2010	0800							
			08/11/2010	0800							
			08/11/2010	0800							
						78.30-79.50 m					
			09/11/2010	1800							
			10/11/2010	0800							

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m 125.80m 146mm 124.50m	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests				Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)				
			10/11/2010	1800	CLAY with flints. (LAMBETH GROUP - BULLHEAD BEDS)	80.00 -78.46 (0.75)			
			15/11/2010	0800	Structureless CHALK.	80.75 -79.21 (0.87)			
			15/11/2010	1800	CHALK. (Possible CHALK GRADE C4)	81.62 -80.08 (2.08)			
			16/11/2010	0800	ZONE OF CORE LOSS. (Possible CHALK)	83.70 -82.16 (1.40)			
			16/11/2010	1800	CHALK. (Possible WHITE CHALK GRADE C3)	85.10 -83.56 (3.90)			
			16/11/2010	1800	ZONE OF CORE LOSS. (Possible CHALK)	89.00 -87.46 (0.85)			
			17/11/2010	0800	CHALK. (Possible WHITE CHALK GRADE C4)	89.85 -88.31 (1.35)			
			17/11/2010	0800	ZONE OF CORE LOSS. (Possible CHALK)	91.20 -89.66 (1.60)			
92.80-94.30 93.65-93.98	100 91 85	CS 1			Very weak to weak low density white with grey patches CHALK. Fractures are subhorizontal, closely to medium spaced, rough, planar, clean. (WHITE CHALK GRADE A3)	92.80 -91.26 (4.38)			
94.30-95.80	85 67 49	90 130 360				94.79-94.83 m partially rounded flint 94.90-94.97 m recovered as sandy chalk with partially rounded flint up to 30mm in size 94.97-95.20 m AZCL			
95.80-97.30	92 87 57	If NI/90/120			ZONE OF CORE LOSS. Probably weak low density white CHALK (WHITE CHALK GRADE A2)	97.18 -95.64 (4.62)			
97.30-101.80	0 0 0	NI							
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 101.80 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m) 80.80 125.80	Depth Related Remarks * From to (m) Geobor S clam bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m to 125.80m Diameter 146mm	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
						ZONE OF CORE LOSS. Probably weak low density white CHALK (WHITE CHALK GRADE A2)			
101.80-103.30	100 66 22					Very weak to weak low density white with grey patches CHALK. Fractures are subhorizontal, closely to medium spaced, rough, planar, clean. (WHITE CHALK GRADE A2)	101.80 -100.26		
102.96-103.30			CS 2			101.80-101.96 m 1 No subvertical rough clean fracture 102.02-102.72 m 1 No subvertical undulose fracture infilled up to 10mm with putty chalk			
103.30-104.80	89 84 53					102.62-102.86 m occasional partially rimmed flints up to 50mm in size			
105.40-105.73 104.80-106.30	94 83 64	90 240 360	CS 3			102.95-102.97 m fracture infilled with putty chalk 103.30-103.47 m AZCL 104.80-104.89 m AZCL			
106.30-107.80	100 93 91					105.02-105.03 m fractures infilled with putty chalk			
107.80-109.30 108.61-109.09	80 75 59		CS 4			107.70-107.80 m drilling induced non-intact 107.80-108.10 m AZCL 108.18-109.19 m over cored			
109.30-110.80	100 79 55								
111.20-111.55 110.80-112.30	100 82 66	NI NI 40	CS 5			110.31-110.80 m 1 No subvertical rough undulose fracture infilled up to 10mm with putty chalk 110.57-110.80 m NI			
				17/11/2010	1800				
				112.30	0800				
				18/11/2010					
				112.30					
112.30-115.30 114.12-114.44	50 46 40		CS 6			110.85-111.40 m drilling induced non-intact 111.65-111.71 m chalk with partially rimmed flint up to 10mm in size 112.24-122.36 m recovered as putty chalk with flints up to 10mm in size 112.30-112.46 m drilling induced non-intact	(24.00)		
115.30-116.80	87 85 82	50 180 360				112.57-112.59 m fractures infilled with putty chalk 113.70-113.80 m drilling induced non-intact			
117.20-117.53 116.80-118.30	93 88 83		CS 7			115.15-115.22 m drilling induced non-intact 116.58-116.61 m drilling induced non-intact 116.61-116.80 m AZCL 116.80-116.91 m AZCL			
118.30-119.80	99 95 95					117.54 m 1 No unrindled flint 117.72-117.78 m partially rimmed flint up to 20mm in size			
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 125.80 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE Logged PM Checked MT	Start 29/09/2010 End 27/01/2011	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (0.00m-92.80m) and rotary core drilling (92.80m-125.80m Geobor S) using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites)	Depth from 0.00m to 9.15m Diameter 200mm Casing Depth 9.15m to 125.80m Diameter 146mm	Ground Level +1.54 mOD Coordinates E 647210.22 National Grid N 264198.79 Chainage
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Samples and Tests				Strata			Description (Continued from Sheet 6)			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water							
119.80-121.30 120.63-121.23	75 75 69		CS 8			Very weak to weak low density white with grey patches CHALK. Fractures are subhorizontal, closely to medium spaced, rough, planar, clean. (WHITE CHALK GRADE A2)	117.86m - 117.86-117.89 m unrinded flint up to 30mm in size				SP	
121.30-122.80	100 70 7	NI NI 10			121.30-122.13 m 1 No subvertical rough undulose clean fracture							
122.80-124.30 123.79-124.22	100 92 83	40 22 53	CS 9		121.48-121.54 m drilling induced non-intact							
124.30-125.80 125.16-125.71	93 81		CS 10		122.30-122.85 m drilling induced non-intact							
				18/11/2010	1800		122.41-122.80 m 1 No 70 degree rough planar clean fracture					
				125.80		EXPLORATORY HOLE ENDS AT 125.80 m	122.67-122.80 m drilling induced non-intact					
							123.08-123.09 m fractures infilled with putty chalk and partially rinded flint up to 10mm in size	25.80	-124.26			
							124.30-124.40 m AZCL					
							124.86-124.91 m partially rinded flint up to 40mm in size					
							125.70-125.80 m drilling induced non-intact					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 10.35m 29.50m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata		Ground Level		
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.20-0.50 0.20-0.50 0.50-1.20 0.50-1.20	D 1 B 2 D 3 B 4	0.00-1.20 m Hand excavated inspection pit.			Brown slightly gravelly SAND with frequent rootlets. Gravel is subangular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND) Yellowish brown slightly gravelly SAND. Gravel is subangular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND) Light brown sand and gravel. (Foreman's description) (Possible RECENT DEPOSITS) Dark grey sand, peat. (Foreman's description) (RECENT DEPOSITS) Dark grey clay, peat. (Foreman's description) (RECENT DEPOSITS)	0.10 +1.99 (1.10) 1.20 +0.89 (3.45) 4.65 -2.56 (4.50) 9.15 -7.06 (3.35)			
			08/07/2010 10.35 13/07/2010 10.35	0.20 0800 0.60	10.50-11.50 m B3T1				
			13/07/2010 12.56 14/07/2010 12.50	0.30 0800 1.70	12.50-13.50 m B3T2	12.50 -10.41 (2.10)			
			14/07/2010 14.66 19/07/2010 14.60	1.40 0800	14.60-15.60 m B3T3	14.60 -12.51 (5.90)			
			19/07/2010 18.56 20/07/2010 18.50	0800	16.50-17.00 m B3T4 18.50-19.50 m B3T5				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 20.50 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 10.00 Rotary open hole drilling no testing undertaken.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 10.35m 29.50m	to 10.35m 29.50m 84.70m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests				Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
					SAND. (Foreman's description) (CRAG DEPOSITS)	20.50-21.50 m B3T6	20.50 -18.41	
					Clay and sand. (Foreman's description) (CRAG DEPOSITS)		(2.50)	
			20/07/2010 22.50	0800		22.50-23.50 m B3T7	23.00 -20.91	
			21/07/2010 24.50	0800	Sand with shells. (Foreman's description) (CRAG DEPOSITS)	24.50-25.50 m B3T8		
			22/07/2010 24.50	0.70				
			22/07/2010 26.50	0800		26.50-27.50 m B3T9		
			28/07/2010 26.50	0800				
						29.50-30.50 m B3T10		
			28/07/2010 31.50	0800		31.50-32.50 m B3T11		
			29/07/2010 31.50					
			29/07/2010 33.50	0800		34.50-35.55 m B3T12	(22.00)	
			03/08/2010 33.50			36.50-37.50 m B3T13		
						37.50-38.50 m B3T14		
						39.50-40.50 m B3T15		
					Stratum continues to 45.00 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 10.35m 29.50m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)				
			03/08/2010 41.50 04/08/2010 41.50	0800	Sand with shells. (Foreman's description) (CRAG DEPOSITS)	41.50-42.50 m B3T16			
			04/08/2010 43.50 05/08/2010 43.50	0800		43.50-44.50 m B3T17			
			05/08/2010 45.50 07/08/2010 45.50	0800	CLAY very stiff grey. (Foreman's description) (LONDON CLAY)	45.50-46.50 m B3T18	45.00	-42.91	
			07/08/2010 46.50 08/08/2010 46.50	0800		46.50-47.50 m B3T19			
			08/08/2010 47.50 09/08/2010 47.50	0800		48.30-49.50 m B3T20			
			09/08/2010 49.50 10/08/2010 49.50	0800		50.50-51.50 m B3T21			
			10/08/2010 50.60 11/08/2010 50.60	0800		51.50-52.50 m B3T22	(14.00)		
			11/08/2010 52.60 18/08/2010 52.60	0800		52.50-53.50 m B3T23			
			18/08/2010 54.60 21/08/2010 54.60	0800		53.50-54.50 m B3T24			
			21/08/2010 55.60 23/08/2010 55.60	0800		54.50-55.20 m B3T25			
			23/08/2010 57.60 25/08/2010 57.00	0800		55.20-56.20 m B3T26			
			25/08/2010 59.60 26/08/2010 59.00	0800		57.00-58.00 m B3T27			
			26/08/2010 59.00 26/08/2010 59.00	0800	Light brown sandy CLAY. (Foreman's description)	58.00-59.00 m B3T28			
			26/08/2010 59.00 26/08/2010 59.00	0800		59.00-60.50 m B3T29	59.00	-56.91	
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 65.25 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled NE/NT Logged ST Checked MT	Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m 10.35m 29.50m	to 10.35m 29.50m 84.70m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
					(LAMBETH GROUP - CLAY)				
						60.50-61.80 m B3T30			
						(6.25)			
			26/08/2010 08.00 31/08/2010 63.00	0800		63.00-64.20 m B3T31			
						64.20-65.20 m B3T32			
			31/08/2010 65.25	0800	SAND. (Foreman's description) (LAMBETH GROUP - SAND)	65.25-66.35 m B3T33	65.25	-63.16	
			02/09/2010 65.25			66.35-67.35 m B3T34			
						67.35-68.35 m B3T35			
						68.35-68.75 m B3T36			
					CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)	69.25-70.25 m B3T37	69.00	-66.91	
			02/09/2010 70.50 07/09/2010 70.50	0800		70.50-71.65 m B3T38			
						71.65-72.65 m B3T39			
			07/09/2010 72.70 09/09/2010 72.70	0800 5.80		72.70-73.70 m B3T40			
						73.70-74.70 m B3T41			
			09/09/2010 75.00 14/09/2010 75.00	0800 9.30	Flush: 75.00-76.50 mud/water, 0 %	76.50-77.50 m B3T42			
			14/09/2010 76.50 15/09/2011 76.50	1800 0800		77.50-78.50 m B3T43			
						78.50-79.50 m B3T44			
			15/09/2011 76.50 16/09/2011 76.50	1800 0800		79.50-80.50 m B3T45			
					Stratum continues to 84.70 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100	(c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 15:42:00	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SBP 2009_3 Sheet 4 of 5
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Borehole Log



Drilled NE/NT Logged ST Checked MT		Start 08/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 and Triplex Pump. Rotary open hole drilling. (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).		Depth from 0.00m 10.35m 29.50m	to 10.35m 29.50m 84.70m	Diameter 200mm 194mm 146mm	Casing Depth 10.35m 29.50m 76.50m	Ground Level +2.09 mOD Coordinates E 647474.29 National Grid N 264067.06 Chainage					
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
					CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)									
			16/09/2011	1800				80.50-81.50 m B3T46						
			17/09/2011	0800				81.50-82.50 m B3T47						
			17/09/2011	1800				83.50-84.50 m B3T48						
			17/09/2011	1800				84.70 -82.61						
					EXPLORATORY HOLE ENDS AT 84.70 m									
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries			Chiselling						
					No. Struck (m)	Post strike behaviour	Depth sealed (m)	Depth Related Remarks *	From	to (m)	Depths (m)	Time	Tools used	
					None observed (see Key Sheet)									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole SBP 2009_3 Sheet 5 of 5				
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 04/08/2011 15:42:01														

Borehole Log



Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m 84.10m 146mm 81.10m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.00-0.20 0.20-0.87	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Grey brown slightly gravelly SAND with frequent rootlets. Gravel is subangular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.26 m black plastic sheet 0.87 m black fabric sheet	0.20 +1.72		
0.87 0.87-1.20	D 3 B 4						(0.67) (0.33)		
					Yellowish brown slightly gravelly SAND. Gravel is subangular to rounded fine of mixed lithologies including flint. (MADE GROUND)				
					Grey slightly silty SAND with rare fragments of wood. Slight organic odour. (MADE GROUND)				
					Organics, concrete, clay, gravels. (Foreman's description) (Possible MADE GROUND)		(5.00)		
			06/07/2010 2.71						
			07/07/2010 2.71	0800	Clay, gravels. (Foreman's description) (Possible RECENT DEPOSITS)		6.20 -4.28		
							(3.80)		
			07/07/2010 9.80	0800					
			08/07/2010 9.80		Fine sand and gravel and occasional clay. (Foreman's description) (Possible RECENT DEPOSITS)		10.00 -8.08		
			08/07/2010 11.50				(1.50)		
			09/07/2010 11.50	0800					
			09/07/2010 12.20	0800	Peat/sand. (Foreman's description) (Possible RECENT DEPOSITS)	11.60-12.60 m B4T1	11.50 -9.58		
			10/07/2010 12.20	0800			(1.10)		
					Sand and gravel. (Foreman's description) (Possible CRAG DEPOSITS)		12.60 -10.68		
						13.60-14.60 m B4T2			
						15.60-16.60 m B4T3			
			10/07/2010 16.60	0800					
			11/07/2010 16.60	0800					
							(10.00)		
			11/07/2010 17.85	0800					
			12/07/2010 17.85	0800		17.90-18.93 m B4T4			
			12/07/2010 19.80	0800					
			13/07/2010 19.80	0800		19.60-20.60 m B4T5			
					Stratum continues to 22.60 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 10.00 Rotary open hole drilling no testing undertaken.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m 81.10m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
			19.60		Sand and gravel. (Foreman's description) (Possible CRAG DEPOSITS)				
			13/07/2010	0.00					
			21.60	0800		21.60-22.60 m B4T6	22.60	-20.68	
			14/07/2010	0.00	Sands. (Foreman's description) (CRAG DEPOSITS)				
			21.60	0.00					
			23.60	0.00		23.60-24.60 m B4T7	(3.00)		
			14/07/2010	0.00	Sands with hard bands of rock. (Foreman's description) (CRAG DEPOSITS)				
			25.60	0800		25.60-26.60 m B4T8	25.60	-23.68	
			15/07/2010	0.10			(3.00)		
			15/07/2010	0.00	Gravel and sands. (Foreman's description) (CRAG DEPOSITS)				
			27.60	0800		27.60-28.60 m B4T9	28.60	-26.68	
			16/07/2010	0.00					
			16/07/2010	0.00					
			20.60	0800		30.60-31.60 m B4T10			
			19/07/2010	0.21					
			19/07/2010	0.00					
			29.60	0800		32.60-33.60 m B4T11			
			20/07/2010	0.00					
			20/07/2010	0.00					
			31.60	0800		34.60-35.60 m B4T12	(13.00)		
			21/07/2010	0.35					
			21/07/2010	0.00					
			33.60	0800		36.60-37.60 m B4T13			
			22/07/2010	0.65					
			22/07/2010	0.00					
			35.60	0800		38.60-39.60 m B4T14			
			23/07/2010	0.00					
			23/07/2010	0.00					
			37.60	0800					
			24/07/2010	0.22					
			24/07/2010	0.00					
			39.60	0800					
			25/07/2010	0.20					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 41.60 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m 81.10m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
			39.60		Gravel and sands. (Foreman's description) (CRAG DEPOSITS)	40.60-41.60 m B4T15		
			25/07/2010 42.60 26/07/2010 42.60	0.00 0800 0.35	Sand and clays. (Foreman's description) (Possible CRAG DEPOSITS)	42.60-43.60 m B4T16	41.60 -39.68	
			26/07/2010 44.45 27/07/2010 44.45 27/07/2010 27/07/2010 45.10 28/07/2010 45.10	0.00 0800 0.40 0.00 0800 1.00		43.60-44.60 m B4T17	(4.50)	
			28/07/2010 46.60 29/07/2010 46.60	0.00 0800 0.50	CLAYS. (Foreman's description) (LONDON CLAY)	46.60-47.60 m B4T19	46.10 -44.18	
			29/07/2010 48.10 30/07/2010 48.10 30/07/2010 49.10 03/08/2010 49.10 03/08/2010 50.10 04/08/2010 50.10	0.00 0800 1.81 0.00 0800 3.34 0800 3.20		48.10-49.10 m B4T20		
		Flush: 48.10-55.60 mud, 100 %	04/08/2010 51.80 06/08/2010 52.10 51.80 07/08/2010 52.10 07/08/2010 07/08/2010 53.10 08/08/2010 53.10	0800 3.20 0800 3.24 0800		50.10-51.10 m B4T22	(10.50)	
			08/08/2010 54.60 10/08/2010 54.60 10/08/2010 55.60 18/08/2010 55.60	0800 0800 0800		51.10-51.80 m B4T23		
		Flush: 55.60-56.10 mud, 85 %	18/08/2010 57.10 20/08/2010 57.10	0800 0800		52.00-56.60 m B4T24 test repeatedly failed. Probe getting stuck in borehole. Possible hard bands of siltstone.		
		Flush: 56.10-58.60 mud, 100 %	20/08/2010 58.60	0800		56.60-57.60 m B4T25	56.60 -54.68	
			20/08/2010 58.60	0800	Stiff silty clay. (Foreman's description) (LONDON CLAY)	57.10-58.10 m B4T26	(3.46)	
		Flush: 58.60-60.10 mud, 95 %				58.60-59.60 m B4T27		
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 60.06 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled PS Logged ST/GA Checked MT	Start 06/07/2010 End 22/09/2010	Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).	Depth from 0.00m to 9.80m Diameter 200mm Casing Depth 9.80m 81.10m	Ground Level +1.92 mOD Coordinates E 647463.17 National Grid N 264201.91 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 3)			
		Flush: 60.10-61.60 mud, 100 %	26/08/2010 60.10	0800	Stiff silty clay. (Foreman's description) (LONDON CLAY)	60.10 m B4T28 test failed. B4T29 test failed.	60.06 -58.14 (0.55) 60.61 -58.69 60.66 -58.74	
		Flush: 61.60-63.60 mud, 95 %	26/08/2010 61.60	0800	Medium strong to strong grey thinly laminated dark grey SILTSTONE with occasional brown claystone pockets up to 5mm in size. (Possible LONDON CLAY)	61.60-62.30 m B4T30 62.30-63.40 m B4T31	(2.74)	
		Flush: 63.60-64.60 mud, 100 %	01/09/2010 63.60	0800	Medium strong grey and brownish grey CLAYSTONE. (Possible LONDON CLAY)	63.60-64.60 m B4T32	63.40 -61.48 (1.20)	
		Flush: 64.60-68.10 mud, 95 %	01/09/2010 64.60	0800	Sandy clay. (Foreman's description) (Possible LAMBETH GROUP - CLAY)	64.60-67.10 m B4T33	64.60 -62.68 (3.50)	
		Flush: 68.10-70.60 mud, 100 %	02/09/2010 68.10	0800	Gravelly sands. (Foreman's description) (LAMBETH GROUP - SAND)	68.10-68.15 m B4T34 test failed due to gravels.	68.10 -66.18 (1.15)	
		Flush: 70.60-72.10 mud, 70 %	03/09/2010 70.60	0800	Silty grey clay with claystone bands. (Foreman's description) (LAMBETH GROUP - CLAY)	69.10-69.25 m B4T35 test failed due to gravels.	69.25 -67.33	
		Flush: 72.10-74.70 mud	03/09/2010 72.10	0800		70.60-71.60 m B4T36 72.20-73.20 m B4T37 73.20-74.20 m B4T38	(4.95)	
		Flush: 74.70-75.70 mud, 100 %	04/09/2010 74.70	0800	Stiff grey CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)	74.70-75.70 m B4T39	74.20 -72.28	
		Flush: 75.70-79.60 mud, 80 %	05/09/2010 75.70	0800		76.60-77.60 m B4T40 77.60-78.60 m B4T41	(9.90)	
			14/09/2010 76.60	0800		79.60-80.60 m B4T42		
			15/09/2010 76.60	0800	Stratum continues to 84.10 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled PS Logged ST/GA Checked MT		Start 06/07/2010 End 22/09/2010		Equipment, Methods and Remarks Geotech 6 and Triplex Pump. Rotary open hole drilling and rotary core drilling (Geobor S) using polymer mud flush. (Soda ash, quick trol, quick gel, EZ mud gold and barites).		Depth from 0.00m 9.80m		to 9.80m 84.10m		Diameter 200mm 146mm		Casing Depth 9.80m 81.10m		Ground Level Coordinates National Grid Chainage		+1.92 mOD E 647463.17 N 264201.91	
Samples and Tests					Strata												
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 4)					Depth, Level (Thickness)	Legend	Backfill/ Instruments					
		Flush: 79.60-81.10 mud, 85 %	15/09/2010 16/09/2010 16/09/2010	0800 0800 0800	Stiff grey CLAY. (Foreman's description) (LAMBETH GROUP - CLAY)					81.10-82.27 m B4T43							
		Flush: 81.10-83.27 mud, 100 %	19/09/2010	0800						82.27-83.25 m B4T44							
		Flush: 83.27-84.10 mud, 85 %	19/09/2010 20/09/2010 20/09/2010	0800 0800 0800						83.25-84.10 m							
			84.10		EXPLORATORY HOLE ENDS AT 84.10 m					84.10 -82.18							
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries					Chiselling							
					No. Struck Post strike behaviour (m) None observed (see Key Sheet)					Depths (m) Time Tools used							
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole SBP 2009_4 Sheet 5 of 5							

Borehole Log



Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
		0.00-1.20 m Hand excavated inspection pit.			SAND. Foreman's description. (Probably MADE GROUND)	(1.20)		
1.20-2.00	100 N/A N/A				Brown slightly silty gravelly SAND. Gravel is subangular to subrounded fine to coarse of mixed lithologies including concrete and sandstone. (MADE GROUND)	1.20 +1.38 (0.48) 1.68 +0.90 (0.36) 2.04 +0.54		
2.00-3.00	100 N/A N/A				Orangish brown slightly silty slightly gravelly SAND with occasional fine gravel size shell fragments. Gravel is subangular to subrounded fine to medium of mixed lithologies including concrete and sandstone. (MADE GROUND)	(2.68)		
3.00-4.50	100 N/A N/A				Brownish grey slightly silty SAND with occasional fine to medium gravel size shell fragments. (MADE GROUND)	4.72 -2.14		
4.50-5.00	100 N/A N/A				Orangish brown slightly silty slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse of sandstone. (MADE GROUND)	(1.12) 5.84 -3.26		
5.00-6.50	100 N/A N/A				Firm dark brown slightly sandy clayey amorphous PEAT. (RECENT DEPOSITS)	(1.10) 6.94 -4.36		
6.50-8.00	100 N/A N/A				Soft grey slightly sandy CLAY. (RECENT DEPOSITS)	(1.00) 7.94 -5.36		
8.00-9.50	100 N/A N/A		03/11/2010 08.00	0800	Grey, locally dark grey, silty slightly gravelly SAND. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (CRAG DEPOSITS)	(3.06)		
9.50-11.00	100 N/A N/A		04/11/2010 8.00	0.00	Greenish grey slightly silty SAND with occasional fine gravel size shell fragments. (CRAG DEPOSITS)	11.00 -8.42 (1.75)		
11.00-12.50	100 N/A N/A				Orangish brown slightly silty SAND with rare fine gravel size shell fragments. (CRAG DEPOSITS)	12.75 -10.17 (2.55)		
12.50-14.00	83 N/A N/A				Grey slightly silty SAND with rare fine gravel size shell fragments. (CRAG DEPOSITS)	15.30 -12.72 (2.50)		
14.00-15.50	100 N/A N/A				Grey slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	17.80 -15.22		
15.50-17.00	87 N/A N/A							
17.00-18.50	80 N/A N/A							
18.50-20.00	100 N/A N/A							
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 26.00 m		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 5.00 92.00 Water added to assist drilling.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.00-21.50	100 N/A N/A					Grey slightly silty SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	18.60m - shell fragments 20.45-21.00 m fine sand with no shell fragments	(8.20)	
21.50-23.00	100 N/A N/A								
23.00-24.50	100 N/A N/A			04/11/2010 23.00 05/11/2010 23.00	0800		22.80-23.00 m locally greenish grey		
24.50-26.00	100 N/A N/A						24.20-24.50 m locally greenish grey, locally weakly cemented		
26.00-27.50	0 N/A N/A					ZONE OF CORE LOSS. (Probably CRAG DEPOSITS)	25.65-25.85 m weakly cemented	26.00 -23.42	
27.50-29.00	77 N/A N/A			05/11/2010 27.50 08/11/2010 27.50	2.50 0800 3.40	Grey slightly gravelly SAND with occasional fine gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)	29.15 m 2 No. subangular medium gravel of flint	27.85 -25.27	
29.00-30.50	100 N/A N/A					Blueish grey silty SAND with occasional fine gravel size shell fragments. (CRAG DEPOSITS)	29.30-29.35 m band of firm brownish grey silty clay	29.00 -26.42 (0.50)	
30.50-32.00	100 N/A N/A			08/11/2010 29.00 09/11/2010 29.00	0800	Grey, locally slightly silty SAND with frequent medium gravel size shell fragments. (CRAG DEPOSITS)	29.40-29.45 m band of firm brownish grey silty clay	29.50 -26.92	
32.00-33.50	60 N/A N/A					Greenish grey silty SAND with rare fine gravel size shell fragments. (CRAG DEPOSITS)	30.30-30.40 m weakly cemented	31.60 -29.02	
33.50-35.00	100 N/A N/A								
35.00-36.50	100 N/A N/A						34.60 m small pocket of firm brown silty clay less than 20mm in size. 34.80 m small pocket of firm brown silty clay less than 20mm in size.	(5.80)	
36.50-38.00	100 N/A N/A								
38.00-39.50	100 N/A N/A			09/11/2010 36.00 10/11/2010 38.00	0800 3.10	Greenish grey slightly silty SAND with occasional locally frequent fine gravel size shell fragments. (CRAG DEPOSITS)	38.60 m 1 No. intact shell 20mm in size	37.40 -34.82	
						Grey, locally greenish grey SAND with		(1.90)	
								39.30 -36.72	
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 45.05 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			Groundwater Entries							
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	No. Struck (m)	Post strike behaviour	Depth sealed (m)	Depth Related Remarks *	Chiselling Depths (m)	Time	Tools used
39.50-41.00	100 N/A N/A					rare fine gravel size shell fragments. (CRAG DEPOSITS)										
41.00-42.50	100 N/A N/A						(5.75)									
42.50-44.00	100 N/A N/A					43.15-43.25 m frequent fine gravel size shell fragments 43.40-43.55 m bands of dark grey sand up to 10mm in thickness										
44.00-45.50	100 N/A N/A					Stiff dark brown sandy CLAY. (LONDON CLAY A2)	45.05 -42.47									
45.50-47.00	100 N/A N/A					45.50 m very stiff blueish grey 45.64-45.72 m blueish grey 45.97-46.07 m blueish grey 46.24-46.25 m blueish grey 46.66-46.71 m blueish grey	(2.67)									
47.00-48.50	93 N/A N/A					47.63-47.71 m brown sandy gravelly clay. Gravel is subangular coarse of claystone	47.72 -45.14 47.96 -45.38									
48.50-49.00			CS 1			Very stiff dark brownish grey sandy slightly gravelly CLAY. (LONDON CLAY A3)										
48.50-50.00	100 N/A N/A					Stiff dark brown sandy slightly gravelly CLAY. Gravel is subangular fine to coarse of claystone. (LONDON CLAY A2)										
50.00-51.50	100 N/A N/A					47.71 m claystone horizon 48.98-49.03 m dark grey 49.41-49.49 m dark grey 50.00-50.05 m soft 50.05-50.24 m brown clayey gravel. Gravel is subangular fine to coarse, predominantly coarse, of claystone										
51.50-53.00	100 N/A N/A						(9.70)									
53.00-53.45			CS 2	10/11/2010 53.00	0800											
53.00-54.50	100 N/A N/A															
54.50-56.00	100 N/A N/A															
56.00-57.50	100 N/A N/A					56.65 m firm										
57.50-59.00	100 N/A N/A					Brown clayey slightly sandy GRAVEL. Gravel is rounded to subangular fine to coarse of flint. (LAMBETH GROUP - SAND)	57.66 -55.08 (0.38) 58.04 -55.46									
59.00-60.50	100 N/A N/A					Brown with occasional grey bands silty fine to medium SAND.										
Stratum continues to 65.40 m																

Groundwater Entries No. Struck (m) Post strike behaviour None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata			Ground Level		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
60.50-62.00	100 N/A N/A					(LAMBETH GROUP - SAND)	(7.36)				
62.00-63.50	100 N/A N/A					62.06-62.55 m firm greyish brown very sandy clay					
63.50-65.00	78 N/A N/A					63.50-63.83 m AZCL 63.83-64.00 m brown sandy silt					
65.00-66.50	40 N/A N/A					65.00-65.90 m AZCL Stratum boundary uncertain. Soft to firm greyish brown silty slightly sandy CLAY. (LAMBETH GROUP - CLAY)	65.40 -62.82 (1.10)				
66.50-68.00	100 N/A N/A					Stiff to very stiff greyish brown sandy slightly gravelly CLAY. Gravel is subangular fine to coarse of claystone. (LAMBETH GROUP - CLAY)	66.50 -63.92 (2.35)				
68.00-68.40			CS 3								
68.00-69.50	100 N/A N/A					Stiff blueish grey mottled reddish brown slightly sandy CLAY. (LAMBETH GROUP - CLAY)	68.85 -66.27 (0.65) 69.50 -66.92				
69.50-71.00	100 N/A N/A			11/11/2010 71.00	0800	Firm thinly laminated blueish grey sandy CLAY with fine sand in laminae and rare brown bands. (LAMBETH GROUP - CLAY)	70.02-70.14 m reddish orangish brown (1.50)				
71.00-72.50	100 N/A N/A			12/11/2010 71.00		Stiff dark brown sandy CLAY. (LAMBETH GROUP - CLAY)	71.00 -68.42				
72.10-72.50			CS 4								
72.50-74.00	100 N/A N/A										
74.00-75.50	100 N/A N/A										
75.10-75.50			CS 5								
75.50-77.00	100 N/A N/A						(10.46)				
77.00-77.40			CS 6								
77.00-79.30	100 N/A N/A										
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 81.46 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests						Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)				
80.00-80.40	100		CS 7			Stiff dark brown sandy CLAY. (LAMBETH GROUP - CLAY)	80.00 m brown			
79.30-81.50	N/A						81.07 m dark grey black	81.46	-78.88	
81.50-83.00	100					Extremely weak to very weak low density white with occasional grey patches CHALK. Fractures are very closely to closely spaced, subhorizontal, rough, infilled up to 20mm with angular fine to medium chalk gravel. (WHITE CHALK GRADE C3)	sandy slightly gravelly clay. Gravel is rounded to subrounded fine to coarse of flint 81.20-81.41 m grey sandy silt 81.41-81.46 m gravel of flint 81.70-81.84 m partially rounded flints up to 60mm in size			
83.00-84.50	61						83.00-83.59 m AZCL			
84.50-86.00	100						83.59-84.50 m recovered as structureless chalk of cream slightly sandy gravelly silt (GRADE DM)			
86.00-89.00	100						84.34-84.50 m grey structureless chalk 84.82-84.89 m grey structureless chalk 85.66-85.74 m structureless chalk 85.74-85.80 m grey 86.61-86.68 m partially rounded flint 87.73-88.04 m frequent grey patches 89.00-89.12 m partially rinded flints up to 40mm in size 89.31-89.37 m 1 No. partially rinded flint 89.82-89.86 m partially rinded flints up to 20mm in size	(13.54)		
92.00-93.50	75			12/11/2010 92.66	0800		93.50-93.57 m partially rinded flint up to 60mm in size			
93.50-95.00	100			13/11/2010 92.00			94.24-94.87 m 1 No. subvertically undulose clean fracture	95.00	-92.42	
95.00-96.50	0					ZONE OF LOSS. Probably weak low density white CHALK. (WHITE CHALK GRADE C3)				
96.50-98.00	0									
98.00-99.50	81			13/11/2010 99.56	0800		Probably weak low density white CHALK (Grade C3). Recovered as structureless chalk composed of white slightly gravelly sandy silt. (WHITE CHALK GRADE Dm)	98.00	-95.42	
				14/11/2010 99.50	-1.00					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 101.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 98.00 119.00 Water added to assist drilling.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests					Strata		Description (Continued from Sheet 5)			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water							
99.50-102.50	32 N/A N/A					Probably weak low density white CHALK (Grade C3). Recovered as structureless chalk composed of white slightly gravelly sandy silt. (WHITE CHALK GRADE Dm)	101.00-101.06 m partially rounded flint up to 60mm in size		01.00 -98.42			
						Extremely weak to very weak low density white with grey patches CHALK. (WHITE CHALK GRADE C3)			(1.50)			
102.50-104.00	100 91 0					ZONE OF CORE LOSS. Probably very weak low density white chalk. (WHITE CHALK GRADE C3)			02.50 -99.92			
						Probable very weak low density white CHALK (Grade C3). Recovered as structureless chalk of slightly sandy gravelly silt. (WHITE CHALK GRADE Dm)			04.00 -101.42			
104.00-107.00	82 44 0					Very weak low density white CHALK. Fractures are very closely to closely spaced, subhorizontal, rough, planar, infilled up to 20mm with fine to medium grained gravel. (WHITE CHALK GRADE C3)			05.05 -102.47			
107.00-108.50	100 90 0				0.000		106.94-107.00 m partially rounded flints up to 40mm in size 107.84 m unrinded flint up to 10mm in size					
108.50-110.00	100 95 0						108.50-108.56 m fine gravel sized flint 108.56-109.17 m partially rounded flint up to 50mm in size					
110.00-111.50	43 33 0						110.00-110.85 m AZCL		(10.95)			
111.50-113.00	79 55 0			14/11/2010 110.00 15/11/2010 110.00	0800		111.33-111.41 m partially rounded flint up to 50mm in size 111.50-111.81 m AZCL 111.81-111.89 m drilling induced none intact 112.66-112.69 m partially rounded flint up to 40mm in size					
113.00-114.50	35 19 15						113.00-113.97 m AZCL 113.97-114.10 m drilling induced NI 114.14-114.18 m fine gravel sized flint in comminuted chalk					
114.50-116.00	100 76 34						114.68-114.80 m 1 No. 80 deg rough clean fracture		16.00 -113.42			
116.00-117.50	0 N/A N/A					ZONE OF CORE LOSS. Probably very weak low density white CHALK. (WHITE CHALK GRADE C3)			(1.84)			
117.50-120.50	89 0 0					Possibly very weak low density white CHALK. (Grade C3). Recovered as structureless chalk of slightly sandy gravelly silt. (WHITE CHALK GRADE Dm)	117.50-117.84 m AZCL 117.84-119.00 m recovered as structureless chalk of uncompacted sandy gravelly silt (Grade Dm)		17.84 -115.26			
						Stratum continues to 120.50 m						

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 03/11/2010 End 15/11/2010	Equipment, Methods and Remarks sONIC 300 Lorry mounted rotary rig Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 120.50m Diameter 150mm Casing Depth 119.00m	Ground Level +2.58 mOD Coordinates E 647203.74 National Grid N 263966.58 Chainage
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Samples and Tests					Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)				
				15/11/2010		Possibly very weak low density white CHALK. (Grade C3). Recovered as structureless chalk of slightly sandy gravelly silt. (WHITE CHALK GRADE Dm)		20.50 -117.92		
				119.00		EXPLORATORY HOLE ENDS AT 120.50 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m to 120.50m Diameter 150mm	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests				Strata		Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water							
		0.00-1.20 m Hand excavated inspection pit.			SAND. (Foreman's description) (MADE GROUND)			(1.20)			
1.20-2.00	100 N/A N/A				Light brown slightly silty gravelly, locally very gravelly, fine to medium SAND. Gravel is subangular to rounded fine to coarse of various lithologies. (MADE GROUND)			1.20 +2.20			
2.00-3.50	100 N/A N/A				2.64-3.07 m multicoloured sandy GRAVEL. Gravel is subrounded to rounded of various lithologies			(3.80)			
3.50-5.00	100 N/A N/A				Multicoloured sandy GRAVEL. Sand is medium to coarse. Gravel is subangular to subrounded fine to coarse of various lithologies. (MADE GROUND)			5.00 -1.60			
5.00-6.50	100 N/A N/A				Firm dark brown clayey pseudo fibrous PEAT. (RECENT DEPOSITS)			6.39 -2.99			
6.50-8.00	100 N/A N/A				6.88-7.27 m soft to firm grey slightly sandy CLAY			(2.02)			
8.00-9.50	100 N/A N/A				8.00-8.41 m soft grey slightly sandy CLAY			8.41 -5.01			
9.50-11.00	100 N/A N/A				Firm brown sandy CLAY with frequent organic matter and occasional fine to medium gravel size shell fragments. (RECENT DEPOSITS)			(2.59)			
11.00-12.50	100 N/A N/A				Firm dark brown, black clayey amorphous PEAT. (RECENT DEPOSITS)			11.00 -7.60			
12.50-14.00	85 N/A N/A				12.50-12.72 m NO RECOVERY (Boundary uncertain) Brownish grey slightly silty slightly gravelly SAND. Gravel is subangular to subrounded fine to medium of flint and sandstone. (CRAG DEPOSITS)			12.50 -9.10			
14.00-17.00	77 N/A N/A		19/11/2010	1800	14.00-14.70 m NO RECOVERY 14.00 dry 14.00 dry 14.70 m brown			(4.23)			
17.00-18.50	100 N/A N/A				Grey silty SAND with frequent medium gravel size shell fragments and rare pockets of firm brown clay up to 5mm in size. (CRAG DEPOSITS)			16.73 -13.33			
18.50-20.00	40 N/A N/A				18.50-19.40 m NO RECOVERY						
			22/11/2010	1800	19.85-19.88 m						
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 47.05 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 40824 04/08/2011 15:49:17	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole SD 2010_03 Sheet 1 of 7
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Borehole Log



Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.00-21.50	100 N/A N/A			20.00 23/11/2010 20.00	dry 0800 1.80	Grey silty SAND with frequent medium gravel size shell fragments and rare pockets of firm brown clay up to 5mm in size. (CRAG DEPOSITS)	firm brown sandy CLAY		
21.50-23.00	100 N/A N/A						21.70-23.40 m rare medium gravel size shell fragments		
23.00-24.50	100 N/A N/A						23.02-23.04 m soft grey sandy CLAY		
24.50-26.00	100 N/A N/A								
26.00-27.50	100 N/A N/A								
27.50-29.00	87 N/A N/A						27.50-27.70 m NO RECOVERY		
29.00-30.50	87 N/A N/A						28.14-28.41 m soft grey sandy CLAY		
							28.42-28.48 m soft grey sandy CLAY		
							29.12-29.34 m frequent medium gravel size shell fragments		
30.50-32.00	100 N/A N/A						30.22-30.35 m firm brownish grey sandy CLAY		
32.00-33.50	100 N/A N/A						(30.32)		
33.50-35.00	100 N/A N/A						32.98-33.14 m firm greyish brown sandy CLAY		
35.00-36.50	100 N/A N/A						33.14-34.10 m frequent medium gravel size shell fragments		
36.50-38.00	73 N/A N/A			23/11/2010 1800 36.50 3.50 24/11/2010 0800 36.50 1.60			36.50-36.90 m NO RECOVERY		
38.00-39.50	100 N/A N/A								
Stratum continues to 47.05 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 18/11/2010 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m to 11.00m to 120.50m Diameter 178mm Casing Depth 11.00m to 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
39.50-41.00	100 N/A N/A					Grey silty SAND with frequent medium gravel size shell fragments and rare pockets of firm brown clay up to 5mm in size. (CRAG DEPOSITS)			
41.00-42.50	100 N/A N/A								
42.50-44.00	100 N/A N/A								
44.00-45.50	100 N/A N/A			24/11/2010 1800 44.00 2.90 25/11/2010 0800 44.00 2.60			44.64-44.86 m frequent clay bands up to 15mm in thickness		
45.50-47.00	100 N/A N/A								
48.10-48.50	45 N/A N/A		CS 1				Very stiff to stiff brownish grey thinly laminated slightly sandy CLAY with fine sand silt laminae. (LONDON CLAY A3ii)	47.05	-43.65
47.00-50.00								48.50-48.66 m NO RECOVERY 48.66-49.45 m fissures infilled up to 20mm with grey sandy SILT	
50.00-51.50	97 N/A N/A		CS 2				50.00-50.04 m NO RECOVERY		
50.90-51.30							50.56-50.62 m blueish grey		
51.50-53.00	100 N/A N/A								
53.00-54.50	100 N/A N/A						(13.71)		
54.10-54.50			CS 3	25/11/2010 1800 54.50 7.60 26/11/2010 0800 54.50 9.60					
54.50-56.00	100 N/A N/A								
56.00-57.50	100 N/A N/A								
57.50-59.00	100 N/A N/A								
59.00-60.50	100 N/A N/A								
Stratum continues to 60.76 m									

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 18/11/2010 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 3)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
60.10-60.50			CS 4	26/11/2010	1800	Very stiff to stiff brownish grey thinly laminated slightly sandy CLAY with fine sand silt laminae. (LONDON CLAY A3ii)	60.76	-57.36	
60.50-62.00	100 N/A N/A			29/11/2010	0800		Brown slightly silty fine to medium SAND. (LAMBETH GROUP - SAND)		
62.00-63.50	100 N/A N/A			29/11/2010	1800	62.20-62.36 m firm thinly laminated brown sandy CLAY with grey silt laminae		(6.00)	
63.50-65.00	100 N/A N/A			30/11/2010	0800		Soft brown very sandy CLAY. (LAMBETH GROUP - CLAY)	66.76	-63.36
65.00-66.50	100 N/A N/A			30/11/2010	0800	Brown slightly silty fine to medium SAND. (LAMBETH GROUP - SAND)		67.72	-64.32
66.50-68.00	100 N/A N/A			30/11/2010	1.25		Grey clayey fine to medium SAND, locally grading to a firm sandy clay. (LAMBETH GROUP - SAND)	69.59	-66.19
68.00-69.50	100 N/A N/A					71.00-71.61 m soft grey sandy CLAY		(4.63)	
69.50-71.00	100 N/A N/A						Stiff to very stiff dark grey slightly sandy to sandy CLAY. (LAMBETH GROUP - CLAY)	74.22	-70.82
71.00-72.50	100 N/A N/A			30/11/2010	1800	75.29-75.50 m very soft brown sandy SILT			
72.50-74.00	100 N/A N/A			01/12/2010	0800		Stratum continues to 86.11 m		
74.00-75.50	100 N/A N/A			74.00	9.20				
75.50-77.00	100 N/A N/A								
77.50-77.90	100 N/A N/A		CS 5						
77.00-78.50	100 N/A N/A								
78.50-80.00	100 N/A N/A								

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 4)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
80.00-81.50	100 N/A N/A			01/12/2010 11.88 06/12/2010 0800 81.50 6.90	1800	Stiff to very stiff dark grey slightly sandy to sandy CLAY. (LAMBETH GROUP - CLAY)	(11.89)		
81.50-83.00	100 N/A N/A								
83.00-83.40			CS 6						
83.00-84.50	100 N/A N/A			06/12/2010 0800 07/12/2010 0800 84.50 16.30	1800				
84.50-86.00	100 N/A N/A					84.90 m firm			
86.00-87.50	53 0 0			07/12/2010 1800 08/12/2010 0800 86.00 0.50	1800	Probably very weak low density white CHALK, recovered as slightly sandy slightly gravelly silt. (Probably CHALK A2 recovered as chalk DM)	86.11 -82.71		
87.50-89.00	61 12 0						88.08 -84.68		
89.00-90.50	100 55 10	NI 130 390		08/12/2010 1800 09/12/2010 0800 89.00 1.00	1800	Very weak medium dense greyish white CHALK with grey patches. Fractures are subhorizontal, closely to medium spaced, rough, clean. (WHITE CHALK Grade A2/A3)	(4.32)		
90.50-92.00	100 81 41					88.08-88.17 m recovered as slightly sandy gravelly SILT 88.27-88.51 m drilling induced non-intact 88.61-89.12 m drilling induced non-intact 89.12-89.21 m recovered as gravel with partially rounded flint up to 30mm in size 89.84-90.01 m drilling induced non-intact 90.01-90.50 m 2 No intersecting	92.40 -89.00		
92.00-93.50	73 41 35					Extremely weak medium density white with grey pockets CHALK. Fractures are subhorizontal, closely spaced, rough infilled up to 40mm with silty gravel of chalk. (WHITE CHALK Grade C3)			
93.50-95.00	100 79 38					70 degree rough clean fractures 90.27-90.50 m drilling induced non-intact 90.50-90.66 m drilling induced non-intact 91.02-92.27 m 1 No 70 degree rough clean fracture 92.00-92.40 m NO RECOVERY 92.40-92.45 m drilling induced non-intact 92.85-92.88 m partially rounded flint 92.97-93.02 m partially rounded flint up to 40mm in size 93.40-93.50 m drilling induced non-intact 93.50-93.61 m drilling induced non-intact 93.73-94.09 m 1 No subvertical rough clean fracture 95.00-95.27 m drilling induced			
95.00-96.50	100 71 47								
96.50-98.00	61 40 25			09/12/2010 1800 09.50 13.50 10/12/2010 0800 96.50 6.00	1800				
98.00-99.50	100 65 55								
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 120.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 87.50 120.50 Conventional T6116 core barrel used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m 11.00m 120.50m 150mm 98.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests				Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 5)			
99.50-101.00	85 70 52			10/12/2010	1800	Extremely weak medium density white with grey pockets CHALK. Fractures are subhorizontal, closely spaced, rough infilled up to 40mm with silty gravel of chalk. (WHITE CHALK Grade C3)	:: 95.00m - non-intact		
				98.00	15.00		101.00-101.70 m AZCL		
				11/12/2010	0800		101.70-101.88 m drilling induced non-intact		
101.00-102.50	53 27 20			98.00	1.60		102.38-102.44 m 1 No subvertical rough clean fracture		
							102.44-102.50 m drilling induced non-intact		
102.50-104.00	100 59 23						102.67-102.77 m NI		
							102.77-102.93 m partially rinded flints up to 40mm in size		
104.00-105.50	34 14 0						103.87-104.00 m drilling induced non-intact		
							104.00-104.99 m AZCL		
105.50-107.00	100 57 19	40 150 310		11/12/2010	1800		104.99-105.11 m drilling induced non-intact	(28.10)	
				98.00	13.00		105.11-105.24 m partially rinded flint up to 70mm in size		
				12/12/2010	0800		105.50-105.68 m drilling induced non-intact		
107.00-108.50	100 73 46			98.00	0.50		105.86-106.50 m 1 No subvertical rough clean fracture		
							106.52-106.56 m partially rinded flints up to 10mm in size		
108.50-110.00	92 73 56						106.88-107.00 m drilling induced non-intact		
							107.00-107.08 m partially rinded flint up to 10mm in size		
110.00-111.50	100 61 58						107.43-107.50 m partially rinded flint up to 40mm in size		
				12/12/2010	1800		107.97-108.50 m 1 No subvertical rough planar clean fracture		
				98.00	12.00		108.50-108.62 m AZCL		
				13/12/2010	0800		108.62-108.71 m drilling induced non-intact		
113.00-114.50	74 43 31			98.00	0.60		110.00-110.40 m AZCL		
							110.40-110.49 m drilling induced non-intact		
114.50-116.00	100 71 32						110.49-110.89 m 1 No 80 degree rough clean fracture		
							110.70-111.80 m NI		
116.00-117.50	80 41 18						111.98-112.29 m 1 No subvertical rough clean fracture		
							112.29-112.33 m partially rinded flint up to 40mm in size		
117.50-119.00	89 49 14						113.00-113.39 m AZCL		
							114.50-114.64 m drilling induced non-intact		
119.00-120.50	90 75 23						114.64-114.77 m partially rinded flint up to 20mm in size		
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 120.50 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled GR Logged PM Checked MT	Start 18/11/2018 End 15/12/2010	Equipment, Methods and Remarks Sonic 300 lorry mounted rotary rig. Sonic rotary core drilling (S size) using water flush.	Depth from 0.00m to 11.00m Diameter 178mm Casing Depth 11.00m	Ground Level +3.40 mOD Coordinates E 647590.40 National Grid N 264214.33 Chainage
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Samples and Tests					Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 6)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
				13/12/2010	1800	Extremely weak medium density white with grey pockets CHALK. Fractures are subhorizontal, closely spaced, rough infilled up to 40mm with silty gravel of chalk. (WHITE CHALK Grade C3) EXPLORATORY HOLE ENDS AT 120.50 m	20.50 -117.10			
						114.77m - 114.77-115.42 m 1 No subvertical rough undulose clean fracture				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MA Logged EA/EM Checked MT		Start 08/07/2010 End 27/07/2010		Equipment, Methods and Remarks Beretta T51 and Triplex pump. Rotary open hole drilling with polymer mud flush. SPT hammer SM 27 to 31.60m. SPT hammer SM 26 from 31.60m.		Depth from 0.00m to 45.65m Diameter 194mm Casing Depth 10.00m		Ground Level +1.74 mOD Coordinates E 647245.28 National Grid N 263996.42 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.20-0.50 0.20-0.50 0.50-1.00 0.50-1.00 1.00-1.20 1.00-1.20	D 1 B 2 D 3 B 4 D 5 B 6	0.00-1.20 m Hand excavated inspection pit.	08/07/2010 10/07/2010	0800 0800	Brown slightly gravelly fine to coarse SAND with frequent rootlets. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND) Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of soft yellowish brown sandy clay (less than 500mm in size). Gravel is angular to rounded fine to medium of mixed lithologies including flint and brick. (MADE GROUND) Greyish brown slightly silty slightly gravelly fine to coarse SAND. Gravel is angular to subrounded fine of mixed lithologies including flint. (MADE GROUND) ROTARY OPEN HOLE DRILLING. No samples recovered. (Possible MADE GROUND / RECENT DEPOSITS)	0.10 +1.64 (0.90) 1.00 +0.74 1.20 +0.54			
10.00-10.45 10.00-10.45	SPT S D 7	N=18 (3,2/3,4,5,6)	10/07/2010 10/07/2010	0800 0800	Medium dense to dense brownish grey silty slightly gravelly fine to coarse SAND with occasional pockets of dark brown plastic clayey amorphous peat. Gravel is subangular to subrounded fine to medium of mixed lithologies including flint, quartz and shell fragments. Slight organic odour. (RECENT DEPOSITS)	10.00 -8.26			
10.80-11.25 10.80-11.25	SPT S D 8	N=41 (4,7/9,11,12,9)	10.00	0.00	Very dense greenish grey, locally yellowish grey silty slightly gravelly fine to coarse SAND with fine to medium gravel size frequent shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint. (CRAG DEPOSITS)	(2.40)			
11.60-12.05 11.60-12.05	SPT S D 9	N=32 (4,6/5,8,11,8)	10.00	0.00					
12.40-12.85 12.40-12.85	SPT S D 10	N=33 (3,5/6,9,8,10)	10.00	0.00	Very dense greenish grey, locally yellowish grey silty slightly gravelly fine to coarse SAND with fine to medium gravel size frequent shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint. (CRAG DEPOSITS)	12.40 -10.66			
13.20-13.65 13.50-13.65	SPT S D 11	N=50 (3,7/13,15,12,10)	11/07/2010 12/07/2010	1.80 2.10					
14.00-14.45 14.00-14.45	SPT S D 12	N=43 (4,8/11,11,13,8)	10.00	0.00	16.40-16.76 m thin laminae of silty clay	(6.15)			
14.80-15.18 14.80-15.17	SPT S D 13	50 (3,5/11,15,24)	10.00	0.00					
15.60-15.95 15.60-15.94	SPT S D 14	50 (5,8/15,21,14 for 45mm)	10.00	0.00					
16.40-16.77 16.40-16.76	SPT S D 15	50 (3,5/11,16,23 for 65mm)	10.00	0.00	Very dense greenish grey, locally yellowish grey, silty fine to coarse SAND with fine to medium gravel size frequent shell fragments. (CRAG DEPOSITS)	18.55 -16.81			
17.20-17.58 17.20-17.55	SPT S D 16	50 (2,6/13,21,16)	10.00 12/07/2010	0800 2.10					
18.00-18.30 18.00-18.30	SPT S D 17	50 (4,8/17,33)	10.00 13/07/2010	0800 2.10	Very dense greenish grey, locally yellowish grey, silty fine to coarse SAND with fine to medium gravel size frequent shell fragments. (CRAG DEPOSITS)	18.55 -16.81			
18.80-19.10 18.80-19.09	SPT S D 18	50 (4,14/24,26)	10.00 10.00	0800 0.00					
19.60-19.90 19.60-19.86	SPT S D 19	50 (6,19/31,19)	10.00	0.00	Stratum continues to 24.15 m				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		Depth Related Remarks * From to (m)			Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE			Borehole SPT 2009_1			
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 14:49:53			Project No. A0012-10			Sheet 1 of 3			
			Carried out for NNB Generation Company Limited						

Borehole Log



Drilled MA Logged EA/EM Checked MT	Start 08/07/2010 End 27/07/2010	Equipment, Methods and Remarks Beretta T51 and Triplex pump. Rotary open hole drilling with polymer mud flush. SPT hammer SM 27 to 31.60m. SPT hammer SM 26 from 31.60m.	Depth from 0.00m to 45.65m Diameter 194mm Casing Depth 10.00m	Ground Level +1.74 mOD Coordinates E 647245.28 National Grid N 263996.42 Chainage
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Samples and Tests				Strata								
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
20.40-20.78 20.40-20.70	SPT S D 20	50 (5,13/21,25.4)	10.00	0.00	Below 22.00m, becoming slightly silty.	(5.60)						
21.20-21.58 21.20-21.51	SPT S D 21	50 (8,17/18,26.6)	10.00 13/07/2010	0.00 1.80								
22.00-22.31 22.00-22.31	SPT S D 22	50 (8,16/20,22.8 for 10mm)	10.00 14/07/2010	0.00 2.10 10.00								
22.80-23.09 22.80-23.09	SPT S D 23	50 (9,15/22,28 for 65mm)	10.00	0.00								
23.60-23.85 23.60-23.87	SPT S D 24	50 (11,14 for 50mm/ 27,23 for 50mm)	14/07/2010 10.00 15/07/2010	1.60 0.80 1.60								
24.40-24.71 24.40-24.71	SPT S D 25	50 (5,15/18,26.6 for 10mm)	10.00	0.80								
25.20-25.45 25.20-25.45	SPT S D 26	50 (8,17 for 60mm/ 27,23 for 40mm)	10.00	0.80								
26.00-26.35 26.00-26.27	SPT S D 27	50 (8,12/15,17,18 for 45mm)	10.00	0.80								
26.80-27.10 26.80-27.09	SPT S D 28	50 (7,18 for 60mm/ 22,23,5 for 15mm)	10.00	0.80								
27.60-27.88 27.60-27.88	SPT S D 29	50 (15,10 for 40mm/ 18,24,8 for 15mm)	15/07/2010 10.00 16/07/2010	1.00 0.80 1.15								
28.40-28.60 28.40-28.68	SPT S D 30	50 (10,15 for 20mm/ 31,19 for 30mm)	10.00	dry								
29.20-29.47 29.20-29.47	SPT S D 31	50 (10,15 for 65mm/ 29,21 for 55mm)	10.00	dry								
30.00-30.26 30.00-30.26	SPT S D 32	50 (11,14 for 50mm/ 27,23 for 60mm)	16/07/2010 10.00 19/07/2010	0.90 0.70 1.10								
30.80-31.09 30.80-31.09	SPT S D 33	50 (7,16/23,27 for 65mm)	10.00 20/07/2010	0.65 0.80 1.30								
31.60-31.88 31.60-31.88	SPT S D 34	50 (7,14/24,26 for 55mm)	10.00	0.70								
32.40-32.71 32.40-32.71	SPT S D 35	50 (7,11/19,25,6 for 10mm)	10.00	0.70								
33.20-33.41 33.20-33.41	SPT S D 36	50 (14,11 for 35mm/ 34,16 for 25mm)	10.00	0.50								
34.00-34.19 34.00-34.19	SPT S D 37	50 (15,10 for 30mm/ 36,14 for 10mm)	10.00	0.40								
34.80-34.99 34.80-34.99	SPT S D 38	50 (14,9 for 30mm/ 38,12 for 10mm)	20/07/2010 10.00 21/07/2010	0.70 0.80 1.10								
35.60-35.80 35.60-35.80	SPT S D 39	50 (11,14 for 45mm/ 44,6 for 5mm)	10.00	0.00								
36.40-36.60 36.40-36.60	SPT S D 40	50 (12,13 for 40mm/ 37,13 for 10mm)	10.00	0.00								
37.20-37.35 37.20-37.35	SPT S D 41	50 (15 for 65mm/ 39,11 for 10mm)	10.00	0.00								
38.00-38.20 38.00-38.20	SPT S D 42	50 (13,12 for 25mm/ 35,15 for 25mm)	10.00	0.00								
38.80-39.02 38.80-39.02	SPT S D 43	50 (8,13 for 45mm/ 35,15 for 25mm)	21/07/2010 10.00 22/07/2010	1.10 0.80 1.30								
39.60-39.78 39.60-39.78	SPT S D 44	50 (18,7 for 15mm/ 40,10 for 15mm)	10.00	0.00								
Stratum continues to 44.90 m									Very dense greenish grey, locally yellowish	39.30 -37.56		

Groundwater Entries		Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour		From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)								

Borehole Log



Drilled MA Logged EA/EM Checked MT	Start 08/07/2010 End 27/07/2010	Equipment, Methods and Remarks Beretta T51 and Triplex pump. Rotary open hole drilling with polymer mud flush. SPT hammer SM 27 to 31.60m. SPT hammer SM 26 from 31.60m.	Depth from 0.00m to 45.65m Diameter 194mm Casing Depth 10.00m	Ground Level +1.74 mOD Coordinates E 647245.28 National Grid N 263996.42 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.59 40.40-40.59	SPT S D 45	50 (15,10 for 25mm/ 35,15 for 15mm)	10.00	0.00	grey, slightly silty fine to coarse SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(5.60)		
41.20-41.42 41.20-41.42	SPT S D 46	50 (10,15 for 60mm/ 32,18 for 10mm)	10.00	0.00				
42.00-42.20 42.00-42.20	SPT S D 47	50 (14,11 for 45mm/ 41,9 for 5mm)	10.00	0.00				
42.80-43.01 42.80-43.01	SPT S D 48	50 (12,13 for 35mm/ 32,18 for 25mm)	10.00	0.00				
43.60-43.84 43.60-43.84	SPT S D 49	50 (13,12 for 40mm/ 27,23 for 50mm)	22/07/2010 10.00 23/07/2010 10.00	0.50 0.80 1.40				
44.40-44.61 44.40-44.61	SPT S D 50	50 (12,13 for 40mm/ 33,17 for 20mm)	10.00	0.00				
45.20-45.65 45.20-45.65	SPT S D 51	N=46 (3,6/8,11,15,12)	10.00 10.00 23/07/2010 10.00	0.00 0.00	Very stiff dark grey and blueish grey CLAY with occasional thin laminae of silt. (LONDON CLAY - A3ii)	44.90 -43.16 (0.75)		
					EXPLORATORY HOLE ENDS AT 45.65 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged ST Checked MT	Start 23/07/2010 End 30/07/2010	Equipment, Methods and Remarks Casagrande C6 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 33.	Depth from 0.00m to 10.00m	Diameter 198mm	Casing Depth 10.00m	Ground Level +1.65 mOD Coordinates E 647243.58 National Grid N 264230.09 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.10-0.60 0.10-0.60	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Brown fine to coarse SAND with frequent rootlets. (MADE GROUND)		0.10 +1.55 (0.50)		
0.70-1.20 0.70-1.20	D 3 B 4	*			Yellow brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of firm thinly laminated grey and brown clay. Gravel is angular to subrounded fine to coarse of mixed lithologies including concrete and flint. (MADE GROUND)		0.60 +1.05 (0.60)		
					Orangish brown slightly silty gravelly fine to coarse SAND with medium cobble content. Gravel is angular to subrounded fine to coarse of mixed lithologies including concrete, brick, flint, wood and polystyrene. Cobbles are angular to subangular of brick. (MADE GROUND)		1.20 +0.45		
					ROTARY OPEN HOLE DRILLING No samples recovered. Foreman reports sand, shells and peat. (Possible MADE GROUND / RECENT DEPOSITS)		(8.80)		
10.00-10.45 10.00-10.45	SPT S D 6	N=29 (2,4/6,6,8,9)	23/07/2010 23/07	0.40 0.40	Dense greenish grey, locally orangish brown, silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subangular fine of mixed lithologies including flint. (RECENT DEPOSITS)		10.00 -8.35		
10.80-11.25 10.80-11.25	SPT S D 7	N=38 (3,10/8,9,10,11)	24/07/2010	0800 9.00			(1.60)		
11.60-11.96 11.60-11.96	SPT S D 8	50 (9,12/15,18,17 for 60mm)	11.60	0.00			11.60 -9.95		
12.40-12.80 12.40-12.80	SPT S D 9	50 (5,6/12,14,16,8 for 25mm)	12.40	0.00	Very dense greenish grey silty fine to coarse SAND with occasional lenses of firm greyish brown silty clay. (CRAG DEPOSITS)		(2.80)		
13.20-13.57 13.20-13.57	SPT S D 10	50 (4,8/15,17,18 for 70mm)	13.20	0.00					
14.00-14.41 14.00-14.41	SPT S D 11	50 (6,9/14,14,15,7 for 30mm)	14.00	0.00					
14.80-15.25 14.80-15.25	SPT S D 12	N=22 (1,2/3,5,6,8)	14.80	0.00	Very dense greenish grey silty fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional lenses of firm greyish brown silty clay. (CRAG DEPOSITS)		14.40 -12.75		
15.60-16.02 15.60-16.02	SPT S D 13	50 (3,6/12,12,16,10 for 40mm)	24/07/2010 15.60	0.75 0800					
16.40-16.83 16.40-16.83	SPT S D 14	50 (4,6/9,10,18,13 for 50mm)	25/07/2010 15.60	1.00					
17.20-17.55 17.20-17.55	SPT S D 15	50 (4,12/14,20,16 for 45mm)	17.20	0.00	17.20-18.80 m brown				
18.00-18.33 18.00-18.33	SPT S D 16	50 (4,12/14,23,13 for 25mm)	18.00	0.00			(8.15)		
18.80-19.16 18.80-19.16	SPT S D 17	50 (8,13/13,18,19 for 60mm)	18.80	0.00					
19.60-19.89 19.60-19.89	SPT S D 18	50 (9,15/22,28 for 60mm)	19.60	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 22.55 m				

Groundwater Entries			Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)	Depths (m)	Time	Tools used
1	1.10	-	-	0.10 0.30 1.20 10.00	Concrete and rebar present in western face of inspection pit. No samples taken.		

Borehole Log



Drilled MN Logged ST Checked MT	Start 23/07/2010 End 30/07/2010	Equipment, Methods and Remarks Casagrande C6 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 33.	Depth from 0.00m to 10.00m	Diameter 198mm Casing Depth 10.00m	Ground Level +1.65 mOD Coordinates E 647243.58 National Grid N 264230.09 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.65 20.40-20.65	SPT S D 19	50 (7,17/28,22 for 25mm)	20.40	0.00	Very dense greenish grey silty fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional lenses of firm greyish brown silty clay. (CRAG DEPOSITS)			
21.20-21.51 21.20-21.51	SPT S D 20	50 (4,7/18,28,4 for 5mm)	21.20	0.00				
22.00-22.31 22.00-22.31	SPT S D 21	50 (8,11/20,26,4 for 5mm)	25/07/2010 22.00 26/07/2010 22.00	1.23 0.00 0.800 1.23	Very dense greenish grey slightly gravelly coarse SAND with frequent fine to medium gravel size shell fragments and occasional lenses of firm greyish brown silty clay. Gravel is subangular fine of flint. (CRAG DEPOSITS)	22.55 -20.90		
22.80-23.11 22.80-23.11	SPT S D 22	50 (7,12/20,24,6 for 5mm)	22.80	0.00				
23.60-23.90 23.60-23.90	SPT S D 23	37 (8,13/14,23 for 70mm)	23.60	0.00				
24.40-24.71 24.40-24.71	SPT S D 24	50 (4,8/12,28,10 for 10mm)	24.40	0.00				
25.20-25.49 25.20-25.49	SPT S D 25	50 (6,12/22,28 for 65mm)	25.20	0.00				
26.00-26.37 26.00-26.37	SPT S D 26	50 (5,9/13,12,25 for 70mm)	26.00	0.00				
26.80-27.11 26.80-27.11	SPT S D 27	50 (8,7/18,26,6 for 10mm)	26.80	0.00				
27.60-27.84 27.60-27.84	SPT S D 28	50 (9,14/30,20 for 15mm)	27.60	0.00				
28.40-28.69 28.40-28.69	SPT S D 29	50 (11,14 for 70mm/ 21,29 for 65mm)	28.40	0.00				
29.20-29.50 29.20-29.50	SPT S D 30	50 (8,12/26,24)	29.20	0.00				
30.00-30.24 30.00-30.24	SPT S D 31	50 (8,17 for 65mm/ 34,16 for 20mm)	26/07/2010 30.00 27/07/2010 30.00	1.30 0.00 0.800 1.24				
30.80-31.09 30.80-31.09	SPT S D 32	50 (5,7/19,31 for 65mm)	30.80	0.00				
31.60-31.85 31.60-31.85	SPT S D 33	50 (11,14 for 60mm/ 28,22 for 40mm)	31.60	0.00				
32.40-32.69 32.40-32.69	SPT S D 34	50 (10,15 for 70mm/ 20,30 for 65mm)	32.40	0.00				
33.20-33.48 33.20-33.48	SPT S D 35	50 (10,15 for 65mm/ 22,28 for 60mm)	33.20	0.00				
34.00-34.29 34.00-34.29	SPT S D 36	50 (8,13/27,23 for 65mm)	34.00	0.00				
34.80-35.10 34.80-35.10	SPT S D 37	50 (9,12/25,24,1 for 0mm)	34.80	0.00				
35.60-35.84 35.60-35.84	SPT S D 38	50 (9,16 for 70mm/ 30,20 for 15mm)	35.60	0.00				
36.40-36.62 36.40-36.62	SPT S D 39	50 (10,15 for 50mm/ 37,13 for 15mm)	27/07/2010 36.40 28/07/2010 36.40	0.88 0.00 0.800 1.33				
37.20-37.46 37.20-37.46	SPT S D 40	50 (10,15/25,25 for 30mm)	37.20	0.00				
38.00-38.26 38.00-38.26	SPT S D 41	50 (9,15/26,24 for 35mm)	38.00	0.00				
38.80-39.06 38.80-39.06	SPT S D 42	50 (8,17 for 70mm/ 24,26 for 40mm)	38.80	0.00				
39.60-39.92 39.60-39.92	SPT S D 43	50 (9,10/18,22,10 for 15mm)	39.60	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 42.70 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *			Chiselling				
No.	Struck (m)	Post strike behaviour			From	to (m)				Depths (m)	Time	Tools used

Borehole Log



Drilled MN Logged ST Checked MT	Start 23/07/2010 End 30/07/2010	Equipment, Methods and Remarks Casagrande C6 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 33.	Depth from 0.00m to 10.00m Diameter 198mm Casing Depth 10.00m	Ground Level +1.65 mOD Coordinates E 647243.58 National Grid N 264230.09 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.73 40.40-40.73	SPT S D 44	50 (7,15/30,20,- for 25mm)	40.40	0.00	Very dense greenish grey slightly gravelly coarse SAND with frequent fine to medium gravel size shell fragments and occasional lenses of firm greyish brown silty clay. Gravel is subangular fine of flint. (CRAG DEPOSITS)			
41.20-41.48 41.20-41.48	SPT S D 45	50 (7,14/24,26 for 55mm)	41.20	0.00				
42.00-42.30 42.00-42.30	SPT S D 46	50 (10,14/23,27 for 70mm)	28/07/2010 42.00 29/07/2010 42.00	1.40 0.80 0.80 1.20				
42.80-43.25 42.80-43.25	SPT S D 47	N=33 (4,4/6,8,9,10)	42.80	0.00				
43.60-44.05 43.60-44.05	SPT S D 48	N=43 (3,5/7,11,11,14)	43.60	0.00				
44.40-44.85 44.40-44.85	SPT S D 49	N=35 (4,5/6,7,11,11)	44.40	0.00	Very stiff grey CLAY with occasional laminae of silt. (LONDON CLAY A3)	42.70 -41.05		
45.20-45.65 45.20-45.65	SPT S D 50	N=35 (3,5/8,8,10,9)	45.20 29/07/2010 45.65	0.00 0.40		43.60-44.40 m slightly sandy	(2.95)	
					EXPLORATORY HOLE ENDS AT 45.65 m	45.65 -44.00		

Groundwater Entries No. Struck (m) Post strike behaviour Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged ST Checked MT	Start 02/08/2010 End 11/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer/mud flush. (Soda ash, Quick Trol and Barites). SPT hammer No. SM33.	Depth from 0.00m to 10.00m Diameter 194mm Casing Depth 7.50m	Ground Level +1.55 mOD Coordinates E 647255.27 National Grid N 264115.93 Chainage
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Samples and Tests				Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
0.30 0.50-0.80 0.80 1.00-1.20	D 1 B 3 D 2 B 4	0.00-1.20 m Hand excavated inspection pit.			Brown slightly clayey SAND with frequent rootlets. (MADE GROUND)	0.10 (0.30) 0.40 +1.45 +1.15 (0.60)		
1.20-2.50 2.30-2.50	28 N/A N/A	CS 29			Yellowish brown slightly gravelly SAND. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	1.00 +0.55 (1.50)		
2.50-4.00	0 N/A N/A				Yellowish brown slightly silty slightly gravelly SAND with occasional fine gravel size shell fragments and occasional pockets of firm orange brown clay. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (MADE GROUND)	2.50 -0.95		
4.00-5.50	0 N/A N/A				Greyish brown slightly silty slightly gravelly SAND with frequent fine gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)			
5.50-6.25	0 N/A N/A				ZONE OF CORE LOSS. Foreman reports brown sand with occasional shell fragments. (Possible MADE GROUND / RECENT DEPOSITS)			
6.25-7.00	0 N/A N/A							
7.00-7.75	0 N/A N/A							
7.75-8.50	0 N/A N/A							
8.50-10.00	17 N/A N/A							
10.00-10.45 10.00-10.45 10.00-10.40	0 N/A N/A	SPT S N=23 (2,3/5,6,6,6)	02/08/2010 13:00	0.20 0.06	Plastic greyish brown clayey amorphous, locally pseudo-fibrous PEAT with occasional bands of light grey silty clay. Organic odour present. (Description based on SPT samples recovered) (RECENT DEPOSITS)	9.75 -8.20 (1.75)		
10.40-11.50	18 N/A N/A							
11.50-11.95 11.50-11.95 11.50-12.25	0 N/A N/A	SPT S N=41 (3,3/7,8,12,14)	10.40	0.00	Very dense light brown, locally grey, silty SAND with occasional fine gravel size shell fragments. (Description based on SPT samples recovered) (CRAG DEPOSITS)	11.50 -9.95		
12.55-13.00 12.25-13.00 13.00-13.44 13.00-13.44 13.00-13.75	60 N/A N/A	CS 30						
13.75-14.50	0 N/A N/A	SPT S 50 (3,5/7,12,16,15 for 60mm)	10.40	0.00				
14.50-14.87 14.50-14.87 14.50-15.25	13 N/A N/A	SPT S 50 (5,6/14,16,20 for 70mm)	10.40	0.00				
15.25-16.00	0 N/A N/A							
16.00-16.34 16.00-16.34 16.00-16.75	0 N/A N/A	SPT S 50 (8,12/19,19,12 for 40mm)	10.40	0.00				
16.75-17.50	0 N/A N/A							
17.50-17.79 17.50-17.79 17.50-18.25	0 N/A N/A	SPT S 50 (8,13/19,31 for 60mm)	03/08/2010 19:40	1800 0.06				
18.25-19.00	0 N/A N/A							
19.00-19.30 19.00-19.30 19.00-19.75	67 N/A N/A	SPT S 50 (8,12/23,27 for 70mm)	10.40	0.00				
					Very dense greenish grey silty slightly	19.20 -17.65		
Depth	TCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 44.50 m		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 10.00 Geobor S surface set 7 step bit. 10.00 21.25 Geobor S Hexagonal pilot bit used.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MN Logged ST Checked MT	Start 02/08/2010 End 11/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer/mud flush. (Soda ash, Quick Trol and Barites). SPT hammer No. SM33.	Depth from 0.00m to 10.00m to 10.00m to 45.95m Diameter 194mm Casing Depth 7.50m to 15.00m	Ground Level +1.55 mOD Coordinates E 647255.27 National Grid N 264115.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
19.75-20.50	0					gravelly SAND with frequent fine gravel size shell fragments. Gravel is subrounded to rounded fine of mixed lithologies including flint. (Description based on SPT samples recovered) (CRAG DEPOSITS)			
20.50-20.80	N/A		SPT S 50 (8,12/20,30 for 70mm)	10.40	0.00				
20.50-20.80	N/A		D 12						
20.50-21.25	N/A								
21.25-21.60	100		CS 31						
21.25-21.90	N/A								
22.00-22.31	35		SPT S 50 (4,14/23,25,2 for 5mm)	10.40	0.00				
22.00-22.31	N/A		D 13						
21.90-22.75	N/A								
22.75-23.50	0			04/08/2010	1800				
23.50-23.81	N/A			05/08/2010	0800				
23.50-23.81	100		SPT S 50 (8,12/21,23,6 for 5mm)	10.40	0.00				
23.50-24.00	N/A		D 14						
23.50-24.00	N/A			05/08/2010	0800				
24.25-24.65	75		CS 32						
24.00-25.00	N/A								
25.00-25.35	47		SPT S 50 (8,6/14,20,16 for 45mm)	10.40	0.00				
25.00-25.35	N/A		D 15						
25.00-25.75	N/A								
25.75-26.50	0								
26.50-26.87	80		SPT S 50 (9,10/13,16,21 for 70mm)	10.40	0.00				
26.50-26.87	N/A		D 16						
26.50-27.25	N/A								
27.25-28.00	0			05/08/2010	1800				
28.00-28.23	100		SPT S 50 (8,10/43,0 for 5mm)	10.40	0.00				
28.00-28.23	N/A		D 17						
28.00-28.40	N/A		CS 33	06/08/2010	0800				
28.00-28.75	N/A								
28.75-29.50	100								
29.50-29.73	N/A								
29.50-29.73	0		SPT S 50 (8,17 for 70mm/42,8 for 5mm)	10.40	0.00				
29.50-30.25	N/A		D 18						
30.25-31.00	20			06/08/2010	0800				
30.25-31.00	N/A			10/08/2010	0800				
30.25-31.00	N/A				1.00				
31.00-31.22	80		SPT S 50 (8,17 for 65mm/45,5 for 0mm)	15.00	0.00				
31.00-31.22	N/A		D 19						
31.15-31.55	N/A		CS 34						
31.00-31.75	N/A								
31.75-32.50	93								
32.50-32.74	N/A								
32.50-32.74	0		SPT S 50 (3,12/37,13 for 15mm)	15.00	0.00				
32.50-33.25	N/A		D 20						
32.50-33.25	N/A								
33.25-34.00	0								
34.00-34.18	0		SPT S 50 (21,4 for 15mm/35,15 for 10mm)	15.00	0.00				
34.00-34.18	N/A		D 21						
34.00-34.75	N/A								
34.75-35.50	0								
35.50-35.78	N/A								
35.50-35.78	0		SPT S 50 (3,6/24,26 for 50mm)	15.00	0.00				
36.00-36.40	N/A		D 22						
35.50-37.00	67		CS 35						
37.00-37.20	N/A								
37.00-37.20	0		SPT S 50 (17,8 for 15mm/28,22 for 35mm)	15.00	0.00				
37.00-38.50	N/A		D 23						
37.00-38.50	100								
38.10-38.50	N/A		CS 36						
38.50-38.73	0			10/08/2010	1800				
38.50-38.73	N/A		SPT S 50 (6,9 for 70mm/41,9 for 10mm)	15.00	0.00				
38.50-38.73	N/A		D 24	11/08/2010	0800				
38.50-40.00	0				1.43				
38.50-40.00	N/A								
38.50-40.00	N/A								
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Stratum continues to 44.50 m			

Groundwater Entries			Depth Related Remarks *		Chiselling		
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)			21.25	24.00	Geobor S Hexagonal extended pilot bit used.		
			24.00	45.50	Geobor S Surface set 7 step bit used.		

Borehole Log



Drilled MN Logged ST Checked MT	Start 02/08/2010 End 11/08/2010	Equipment, Methods and Remarks Casagrande 6 and mud puppy. Rotary core drilling (Geobor S) using polymer/mud flush. (Soda ash, Quick Troll and Barites). SPT hammer No. SM33.	Depth from 0.00m to 10.00m Diameter 194mm Casing Depth 7.50m 15.00m	Ground Level +1.55 mOD Coordinates E 647255.27 National Grid N 264115.93 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.00-40.21	33		SPT S 50 (16,9 for 10mm/ 28,22 for 50mm) D 25	15.00	dry	Very dense greenish grey silty slightly gravelly SAND with frequent fine gravel size shell fragments. Gravel is subrounded to rounded fine of mixed lithologies including flint. (Description based on SPT samples recovered) (CRAG DEPOSITS)	40.00-40.20 m locally weakly cemented		
40.00-40.21	N/A								
40.00-40.75	N/A								
40.75-41.50	0		SPT S 53 (7,17/44,9 for 5mm/ D 26)	15.00	dry				
41.50-41.73	N/A								
41.50-41.73	40								
41.50-42.25	N/A								
42.25-43.00	0		SPT S 50 (11,14 for 55mm/ 30,20 for 40mm) D 27	15.00	dry				
43.00-43.25	N/A								
43.00-43.25	0								
43.00-43.75	N/A		SPT S N=31 (4,4/7,7,7,10) D 28 CS 37	15.00	dry	Very stiff locally hard thinly laminated dark grey locally blueish grey CLAY. (LONDON CLAY)	44.50 -42.95		
43.75-44.50	93								
44.50-44.95	N/A								
44.50-44.95	100								
44.90-45.50	N/A		SPT S 50 (4,6/ 9,11,19,11 for 70mm)D 29A	15.00	dry				
45.50-45.95	N/A								
45.50-45.95	N/A								
EXPLORATORY HOLE ENDS AT 45.95 m							45.95 -44.40		

Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/EM Checked MT	Start 22/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM27.	Depth from 0.00m to 9.31m Diameter 198mm Casing Depth 9.31m	Ground Level +3.51 mOD Coordinates E 647593.75 National Grid N 264275.61 Chainage
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Samples and Tests				Strata		Depth, Level / (Thickness)	Legend	Backfill / Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
0.00-0.40 0.40-0.80 0.80-1.20	D 1 D 2 D 3	0.00-1.20 m Hand excavated inspection pit.			Grey sandy subangular to rounded fine to medium GRAVEL of mixed lithologies including flint. Frequent rootlets. Sand is fine to coarse. (MADE GROUND) Grey slightly sandy subangular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (MADE GROUND) Yellow gravelly fine to coarse SAND. Gravel is subangular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND) ROTARY OPEN HOLE DRILLING. No sample recovered. Foreman reports sand, gravel and clay. (Possible MADE GROUND / RECENT DEPOSITS)	(0.40) 0.40 +3.11 (0.40) 0.80 +2.71 (0.40) 1.20 +2.31		
			22/08/2010 0.00	dry 0800				
			23/08/2010 0.00	dry				
			23/08/2010 0.75	0.00				
			24/08/2010 8.75	0.00				
10.00-10.45 10.00-10.45	SPT S D 4	N=13 (2,2/2,3,4,4)	9.31	0.00	Plastic dark brown clayey, locally sandy, amorphous PEAT. (RECENT DEPOSITS)	10.00 -6.49		
10.80-11.25 10.80-11.25	SPT S D 5	N=18 (1,2/3,5,5,5)	9.31	0.00		(1.60)		
11.60-12.00 11.60-12.00	SPT S D 6	50 (3,5/10,15,12,13 for 20mm)	9.31	0.00		11.60 -8.09		
12.40-12.85 12.40-12.85	SPT S D 7	N=38 (8,10/9,9,10,10)	9.31	0.00	Very dense grey, locally brown, slightly silty slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine of mixed lithologies including flint. (CRAG DEPOSITS)			
13.20-13.53 13.20-13.53	SPT S D 8	50 (6,10/16,24,10 for 30mm)	9.31	0.00				
14.00-14.36 14.00-14.36	SPT S D 9	50 (5,10/17,17,16 for 60mm)	9.31	0.00				
14.80-15.19 14.80-15.19	SPT S D 10	50 (5,9/13,14,19,4 for 10mm)	9.31	0.00				
15.60-16.02 15.60-16.02	SPT S D 11	50 (3,5/11,16,15,8 for 40mm)	9.31	0.00				
16.40-16.76 16.40-16.76	SPT S D 12	50 (4,7/15,20,15 for 60mm)	9.31	0.00				
17.20-17.52 17.20-17.52	SPT S D 13	50 (6,13/19,22,9 for 20mm)	9.31	0.00				
18.00-18.37 18.00-18.37	SPT S D 14	50 (4,8/15,16,19 for 70mm)	24/08/2010 9.31	0.80 0800	Very dense greenish grey silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
18.80-19.11 18.80-19.10	SPT S D 15	53 (6,14/24,24,5 for 5mm)	25/08/2010 9.31	0.00 1.00				
19.60-19.89 19.60-19.89	SPT S D 16	50 (7,16/26,24 for 60mm)	9.31	0.00				
					Stratum continues to 34.80 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 1.20 10.00 Rotary open hole drilling.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/EM Checked MT	Start 22/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM27.	Depth from 0.00m to 9.31m	Diameter 198mm	Casing Depth 9.31m	Ground Level +3.51 mOD Coordinates E 647593.75 National Grid N 264275.61 Chainage
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Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments				
20.40-20.71 20.40-20.71	SPT S D 17	50 (5,14/20,26,4 for 5mm)	9.31	0.00	Very dense greenish grey silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)							
21.20-21.50 21.20-21.50	SPT S D 18	50 (7,17/25,25 for 70mm)	9.31	0.00								
22.00-22.25 22.00-22.25	SPT S D 19	50 (8,17 for 70mm/ 35,15 for 25mm)	9.31	0.00								
22.80-23.11 22.80-23.11	SPT S D 20	50 (6,14/19,22,9 for 10mm)	9.31	0.00								
23.60-23.86 23.60-23.86	SPT S D 21	50 (8,16/32,18 for 35mm)	9.31	0.00								
24.40-24.62 24.40-24.62	SPT S D 22	50 (9,16 for 50mm/ 35,15 for 15mm)	9.31	0.00								
25.20-25.40 25.20-25.40	SPT S D 23	50 (8,17 for 50mm/50 for 70mm)	9.31	0.00								
26.00-26.23 26.00-26.23	SPT S D 24	50 (8,15/44,6 for 5mm)	25/08/2010 9.31 26/08/2010 9.31	1.00 0.80 1.00								
26.80-27.05 26.80-27.05	SPT S D 25	50 (10,15 for 50mm/ 26,24 for 50mm)	9.31	0.00								
27.60-27.82 27.60-27.82	SPT S D 26	50 (9,16 for 60mm/ 43,7 for 5mm)	9.31	0.00								
28.40-28.66 28.40-28.66	SPT S D 27	50 (16,9 for 60mm/ 30,20 for 50mm)	9.31	0.00								
29.20-29.50 29.20-29.50	SPT S D 28	50 (4,9/15,32,3 for 0mm)	9.31	0.00								
30.00-30.29 30.00-30.29	SPT S D 29	50 (7,16/25,25 for 60mm)	9.31	0.00								
30.80-31.10 30.80-31.10	SPT S D 30	50 (6,11/15,35 for 70mm)	9.31	0.00								
31.60-31.94 31.60-31.94	SPT S D 31	50 (6,13/17,22,11 for 40mm)	9.31	0.00								
32.40-32.66 32.40-32.66	SPT S D 32	50 (5,16/25,25 for 30mm)	9.31	0.00								
33.20-33.48 33.20-33.48	SPT S D 33	50 (7,16/25,25 for 50mm)	9.31	0.00								
34.00-34.23 34.00-34.23	SPT S D 34	50 (7,18 for 70mm/ 30,20 for 10mm)	26/08/2010 9.31 27/08/2010 9.31	0.80 0.80 1.40								
34.60-35.01 34.80-35.01	D 35 SPT S	50 (12,13 for 30mm/ 34,16 for 25mm)	9.31	0.00								
35.60-35.80 35.60-35.80	SPT S D 36	40 (14,11 for 20mm/ 34,6 for 30mm)	9.31	0.00								
36.40-36.62 36.40-36.62	SPT S D 37	50 (12,13 for 50mm/ 30,20 for 20mm)	27/08/2010 9.31 31/08/2010 9.31	1.00 0.80 3.00								
37.20-37.42 37.20-37.42	SPT S D 38	50 (9,16 for 50mm/ 32,18 for 20mm)	9.31	0.00								
38.00-38.19 38.00-38.19	SPT S D 39	50 (12,13 for 30mm/ 40,10 for 5mm)	9.31	0.00								
38.80-39.00 38.80-39.00	SPT S D 40	50 (12,13 for 35mm/ 35,15 for 10mm)	9.31	0.00								
39.60-39.78 39.60-39.78	SPT S D 41	50 (20,5 for 2mm/ 32,18 for 30mm)	9.31	0.00								
Depth	Type & No	Records	Date Casing	Time Water					Stratum continues to 47.60 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)								

Borehole Log



Drilled DP Logged ST/EM Checked MT	Start 22/08/2010 End 01/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM27.	Depth from 0.00m to 9.31m Diameter 198mm Casing Depth 9.31m	Ground Level +3.51 mOD Coordinates E 647593.75 National Grid N 264275.61 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
40.40-40.59 40.40-40.59	SPT S D 42	50 (14,11 for 30mm/ 36,14 for 10mm)	9.31	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional, locally frequent, fine to medium gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)	(12.80)					
41.20-41.41 41.20-41.41	SPT S D 43	50 (13,12 for 40mm/ 33,17 for 20mm)	9.31	0.00							
42.00-42.20 42.00-42.20	SPT S D 44	50 (14,11 for 30mm/ 35,15 for 20mm)	9.31	0.00							
42.80-43.00 42.80-43.00	SPT S D 45	50 (12,13 for 25mm/ 35,15 for 25mm)	31/08/2010 9.31 01/09/2010 9.31	1.10 0800 3.00							
43.60-43.78 43.60-43.78	SPT S D 46	50 (16,9 for 25mm/ 45,5 for 0mm)	9.31	0.00							
44.40-44.57 44.40-44.57	SPT S D 47	50 (18,7 for 10mm/ 32,18 for 10mm)	9.31	0.00							
45.20-45.47 45.20-45.47	SPT S D 48	50 (11,14 for 50mm/ 25,25 for 65mm)	9.31	0.00							
46.00-46.24 46.00-46.24	SPT S D 49	50 (10,15 for 70mm/ 37,13 for 20mm)	9.31	0.00							
46.80-47.00 46.80-47.00	SPT S D 50	50 (11,14 for 45mm/ 44,6 for 0mm)	9.31	0.00							
47.60-48.05 47.60-48.05	SPT S D 51	N=43 (5,7/9,10,10,14)	01/09/2010 9.31	2.80							

Groundwater Entries			Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)								

Borehole Log



Drilled DP Logged ST Checked MT	Start 03/09/2010 End 13/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 10.32m Diameter 198mm Casing Depth 10.32m	Ground Level +3.44 mOD Coordinates E 647585.77 National Grid N 264227.71 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level / (Thickness)	Legend	Backfill / Instruments	
0.00-0.30 0.30-0.80 0.80-1.20	D 1 D 2 D 3	0.00-1.20 m Hand excavated inspection pit.			Grey sandy GRAVEL of subangular to subrounded fine to medium of various lithologies including flint with frequent rootlets. (MADE GROUND) Grey slightly sandy GRAVEL of subangular to rounded fine to coarse of various lithologies including flint. (MADE GROUND) Yellow gravelly fine to coarse SAND. Gravel is subangular to rounded fine to medium of various lithologies including flint. (Possible MADE GROUND) ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports sand and cobbles. (Possible MADE GROUND / RECENT DEPOSITS)	(0.30) +3.14 (0.50) +2.64 (0.40) +2.24			
			03/09/2010	0.00		(8.80)			
			06/09/2010	0.20					
			06/09/2010	5.65					
10.00-10.45 10.00-10.45	SPT S D 4	N=4 (1,1/1,1,1,1)	10.00	0.00	Grey slightly sandy slightly gravelly SILT. Gravel is angular to subangular fine of various lithologies including flint. (RECENT DEPOSITS)	10.00 (0.80)			
10.80-11.25 10.80-11.25	SPT S D 5	N=15 (1,2/3,3,3,6)	10.32	0.00	Firm dark grey clayey amorphous PEAT. Organic odour present. (RECENT DEPOSITS)	10.80 (1.60)			
11.60-12.05 11.60-12.05	SPT S D 6	N=12 (1,2/2,3,3,4)	10.32	0.00	Medium dense becoming very dense light grey slightly silty gravelly fine to coarse SAND with rare fine to medium gravel size shell fragments. Gravel is angular to rounded fine of various lithologies including flint. (CRAG DEPOSITS)	12.40 (4.00)			
12.40-12.85 12.40-12.85	SPT S D 7	N=27 (1,3/4,6,8,9)	10.32	0.00					
13.20-13.65 13.20-13.65	SPT S D 8	N=47 (3,4/9,9,14,15)	10.32	0.00					
14.00-14.38 14.00-14.38	SPT S D 9	50 (4,7/10,17,19,4 for 5mm)	10.32	0.00					
14.80-15.18 14.80-15.18	SPT S D 10	50 (4,8/9,18,21,2 for 0mm)	10.32	0.00					
15.60-16.02 15.60-16.02	SPT S D 11	50 (7,12/11,15,16,8 for 40mm)	06/09/2010 10.32	0.00 0.80	15.60 m No shell fragments				
16.40-16.85 16.40-16.85	SPT S D 12	N=36 (6,8/9,7,8,12)	10.32	0.00	Medium dense becoming very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)	16.40 (18.00 m rare pockets of brown and grey sandy silt)			
17.20-17.58 17.20-17.58	SPT S D 13	50 (5,8/12,15,20,3 for 5mm)	10.32	0.00					
18.00-18.34 18.00-18.34	SPT S D 14	50 (6,12/17,21,12 for 40mm)	10.32	0.00					
18.80-19.17 18.80-19.17	SPT S D 15	50 (5,8/12,18,20 for 65mm)	10.32	0.00					
19.60-19.97 19.60-19.97	SPT S D 16	50 (6,11/14,17,19 for 70mm)	10.32	0.00					
					Stratum continues to 35.60 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)		Depth sealed (m)	Depth Related Remarks * From to (m) 1.20 10.00 Rotary Open Hole Drilling.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST Checked MT	Start 03/09/2010 End 13/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 10.32m	Diameter 198mm 174mm	Casing Depth 10.32m	Ground Level +3.44 mOD Coordinates E 647585.77 National Grid N 264227.71 Chainage
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Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
20.40-20.75 20.40-20.75	SPT S D 17	50 (6,11/18,20,12 for 50mm)	10.32	0.00	Medium dense becoming very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)						
21.20-21.50 21.20-21.50	SPT S D 18	50 (7,17/25,23,2 for 0mm)	10.32	0.00							
22.00-22.29 22.00-22.29	SPT S D 19	50 (8,17 for 70mm/ 25,25 for 65mm)	10.32	0.00							
22.80-23.07 22.80-23.07	SPT S D 20	50 (10,15 for 65mm/ 24,26 for 55mm)	10.32	0.00							
23.60-23.88 23.60-23.88	SPT S D 21	50 (11,14 for 65mm/ 25,25 for 60mm)	10.32	0.00							
24.40-24.60 24.40-24.60	SPT S D 22	50 (7,18 for 60mm/50 for 65mm)	07/09/2010 10.32 08/09/2010 10.32	1.00 0.80 0800 1.00							
25.20-25.45 25.20-25.45	SPT S D 23	50 (8,17/36,14 for 25mm)	10.32	0.00					25.20 m occasional grey sandy silt pockets	(19.20)	
26.00-26.25 26.00-26.25	SPT S D 24	50 (6,17/35,15 for 25mm)	10.32	0.00					25.20-26.80 m No shell fragments		
26.80-27.04 26.80-27.04	SPT S D 25	50 (9,16 for 70mm/ 37,13 for 20mm)	10.32	0.00							
27.60-27.86 27.60-27.86	SPT S D 26	50 (8,15/32,18 for 35mm)	10.32	0.00							
28.40-28.76 28.40-28.76	SPT S D 27	50 (6,12/17,20,13 for 60mm)	10.32	0.00					28.40-31.60 m rare pockets of grey sandy silt		
29.20-29.49 29.20-29.49	SPT S D 28	50 (6,13/30,20 for 65mm)	10.32	0.00							
30.00-30.31 30.00-30.31	SPT S D 29	50 (7,14/22,22,6 for 5mm)	10.32	0.00							
30.80-31.10 30.80-31.10	SPT S D 30	50 (7,13/23,27 for 70mm)	10.32	0.00							
31.60-31.90 31.60-31.90	SPT S D 31	50 (6,14/22,28 for 70mm)	10.32	0.00							
32.40-32.69 32.40-32.69	SPT S D 32	50 (9,16 for 65mm/ 23,24,3 for 0mm)	08/09/2010 10.32 09/09/2010 10.32	1.00 0.80 0800 1.00							
33.20-33.48 33.20-33.48	SPT S D 33	50 (8,17 for 60mm/ 21,29 for 70mm)	10.32	0.00							
34.00-34.21 34.00-34.21	SPT S D 34	50 (12,13 for 35mm/ 35,15 for 20mm)	10.32	0.00							
34.80-35.03 34.80-35.03	SPT S D 35	50 (9,16 for 60mm/ 35,15 for 15mm)	10.32	0.00							
35.60-35.89 35.60-35.89	SPT S D 36	50 (10,13/24,26 for 60mm)	10.32	0.00						35.60	-32.16
36.40-36.70 36.40-36.70	SPT S D 37	50 (7,16/20,30 for 70mm)	10.32	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with rare fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)						
37.20-37.49 37.20-37.49	SPT S D 38	50 (11,14 for 70mm/ 28,22 for 70mm)	10.32	0.00							
38.00-38.30 38.00-38.30	SPT S D 39	50 (11,13/25,25 for 70mm)	10.32	0.00							
38.80-39.10 38.80-39.10	SPT S D 40	50 (6,14/23,27)	10.32	0.00							
39.60-39.91 39.60-39.91	SPT S D 41	50 (5,11/16,24,10 for 10mm)	09/09/2010 10.32 10/09/2010 0800	1.30 0.80	39.60 m rare grey sandy silt pockets						
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 40.40 m						

Groundwater Entries			Depth Related Remarks *		Chiselling		
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)							

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 14:51:36	Project No. A0012-10	SPT 2009_5
	Carried out for NNB Generation Company Limited	Sheet 2 of 3

Borehole Log



Drilled DP Logged ST Checked MT	Start 03/09/2010 End 13/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 10.32m Diameter 198mm Casing Depth 10.32m	Ground Level +3.44 mOD Coordinates E 647585.77 National Grid N 264227.71 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.56 40.40-40.56	SPT S D 42	50 (17,8 for 10mm/ 43,7 for 0mm)	10.32	2.80 0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with rare fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)	40.40 -36.96		
41.20-41.42 41.20-41.42	SPT S D 43	50 (12,13 for 40mm/ 32,18 for 30mm)	10.32	0.00		(1.60)		
42.00-42.29 42.00-42.29	SPT S D 44	50 (14,11 for 40mm/ 18,22,10 for 20mm)	10/09/2010 10.32	1.20 0.80 0.80 2.80	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)	42.00 -38.56		
42.80-43.02 42.80-43.02	SPT S D 45	50 (8,17 for 60mm/ 40,10 for 10mm)	10.32	0.00				
43.60-43.78 43.60-43.78	SPT S D 46	50 (10,15 for 20mm/ 41,9 for 10mm)	10.32	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)	(5.30)		
44.40-44.60 44.40-44.60	SPT S D 47	50 (12,13 for 50mm/ 45,5 for 0mm)	10.32	0.00				
45.20-45.41 45.20-45.41	SPT S D 48	50 (11,14 for 40mm/ 33,17 for 20mm)	10.32	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)			
46.00-46.22 46.00-46.22	SPT S D 49	50 (11,14 for 50mm/ 34,16 for 20mm)	10.32	0.00				
46.80-47.01 46.80	SPT S D 50	50 (12,13 for 40mm/ 32,18 for 20mm)	10.32	0.00	Very stiff thinly laminated dark grey CLAY. (LONDON CLAY - A3i)	47.30 -43.86		
47.60-48.05 47.60-48.05	SPT S D 51	N=36 (3,5/8,9,10,9)	10.32 13/09/2010	0.00 2.60		(0.75)		
					EXPLORATORY HOLE ENDS AT 48.05 m	48.05 -44.61		

Groundwater Entries No. Struck Post strike behaviour (m) Depth sealed (m) None observed (see Key Sheet)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/GA Checked MT	Start 14/09/2010 End 21/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 8.60m Diameter 198mm Casing Depth 8.60m	Ground Level +3.43 mOD Coordinates E 647581.24 National Grid N 264158.67 Chainage
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Samples and Tests				Strata		Depth, Level / (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
0.10 0.40	D 1 D 2	0.00-1.20 m Hand excavated inspection pit.			Greyish brown fine to coarse SAND with frequent rootlets. (MADE GROUND)	(0.30) 0.30 +3.13 0.60 +2.83 (0.60)		
1.00	D 3		14/09/2010 0000 15/09/2010 0800 dry		Yellow gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of various lithologies including flint. (Possibly MADE GROUND)	1.20 +2.23		
					Yellow slightly gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of various lithologies including flint. (RECENT DEPOSITS)			
					ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports sand and gravel. (Possible RECENT DEPOSITS)	(8.80)		
10.00-10.45 10.00-10.45	SPT S D 4	2 (1,1 for 150mm/1,1)	15/09/2010 0800 16/09/2010 0800	1.30 0.86 1.00	Very soft, becoming soft, grey thinly laminated silty CLAY. (RECENT DEPOSITS)	10.00 -6.57		
10.80-11.25 10.80-11.25	SPT S D 5	N=6 (1,1/1,1,2,2)	8.60	0.00		(2.00)		
11.60-12.05 11.60-12.05	SPT S D 6	N=7 (1,1/1,2,2,2)	8.60	0.00		12.00 -8.57		
12.40-12.85 12.40-12.85	SPT S D 7	N=14 (1,2/3,3,4,4)	8.60	0.00	Firm dark brown and black amorphous locally clayey PEAT. (RECENT DEPOSITS)	(1.20)		
13.20-13.65 13.20-13.65	SPT S D 8	N=21 (1,2/2,5,7,7)	8.60	0.00	Medium dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	13.20 -9.77		
14.00-14.45 14.00-14.45	SPT S D 9	N=38 (3,4/7,8,12,11)	8.60	0.00		(2.20)		
14.80-15.25 14.80-15.25	SPT S D 10	N=24 (2,3/3,7,6,8)	8.60	0.00		15.40 -11.97		
15.60-16.00 15.60-16.00	SPT S D 11	50 (4,9/11,15,15,9 for 20mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(4.60)		
16.40-16.77 16.40-16.77	SPT S D 12	50 (5,9/16,20,14 for 65mm)	8.60	0.00				
17.20-17.50 17.20-17.50	SPT S D 13	50 (9,12/21,26,3 for 0mm)	8.60	0.00				
18.00-18.31 18.00-18.31	SPT S D 14	50 (6,7/19,23,8 for 10mm)	16/09/2010 0800 17/09/2010 0800	1.00 0.86 1.00	18.00 m rare soft brown clay pockets less than 10mm size			
18.80-19.10 18.80-19.10	SPT S D 15	50 (5,12/21,29 for 70mm)	8.60	0.00				
19.60-19.90 19.60-19.90	SPT S D 16	50 (8,17/25,25)	8.60	0.00				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 1.20 10.00 Rotary Open Hole Drilling.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/GA Checked MT	Start 14/09/2010 End 21/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 8.60m	8.60m 48.85m	Diameter 198mm 174mm	Casing Depth 8.60m	Ground Level +3.43 mOD Coordinates E 647581.24 National Grid N 264158.67 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.71 20.40-20.71	SPT S D 17	50 (6,13/20,27,3 for 5mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	20.00 -16.57 (6.00)		
21.20-21.49 21.20-21.49	SPT S D 18	50 (9,15/21,29 for 60mm)	8.60	0.00				
22.00-22.30 22.00-22.30	SPT S D 19	50 (8,15/22,28 for 70mm)	8.60	0.00				
22.80-23.10 22.80-23.10	SPT S D 20	50 (9,15/21,28,1 for 0mm)	8.60	0.00				
23.60-23.90 23.60-23.90	SPT S D 21	50 (8,12/22,26,2 for 0mm)	17/09/2010 8.60 18/09/2010	1.00 0.80 0800				
24.40-24.69 24.40-24.69	SPT S D 22	50 (9,16/23,27 for 60mm)	8.60	0.00				
25.20-25.42 25.20-25.42	SPT S D 23	50 (9,16 for 60mm/ 35,15 for 10mm)	8.60	0.00	Very dense grey and greenish grey slightly gravelly slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. Rare bands of grey slightly sandy clayey silt present. Gravel is angular to subrounded fine of flint. (CRAG DEPOSITS)	26.00 -22.57 (2.40)		
26.00-26.28 26.00-26.28	SPT S D 24	50 (7,16/29,21 for 50mm)	8.60	0.00				
26.80-27.00 26.80-27.00	SPT S D 25	50 (10,15 for 50mm/ 46,4 for 0mm)	8.60	0.00				
27.60-27.83 27.60-27.83	SPT S D 26	50 (13,12 for 50mm/ 32,18 for 30mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	28.40 -24.97 (3.20)		
28.40-28.66 28.40-28.66	SPT S D 27	50 (12,13 for 45mm/ 29,21 for 60mm)	8.60	0.00				
29.20-29.47 29.20-29.47	SPT S D 28	50 (7,17/29,21 for 40mm) Flush: 10.00-48.85 Water, 95 %	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	31.60 -28.17 (3.20)		
30.00-30.23 30.00-30.23	SPT S D 29	50 (7,17/45,5 for 0mm)	18/09/2010 8.60 19/09/2010	1.30 0.80 0800				
30.80-31.08 30.80-31.08	SPT S D 30	50 (8,16/29,21 for 50mm)	8.60	0.00				
31.60-31.90 31.60-31.90	SPT S D 31	50 (10,13/20,27,3 for 0mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	34.80 -31.37 (4.00)		
32.40-32.70 32.40-32.70	SPT S D 32	50 (8,14/20,30 for 70mm)	8.60	0.00				
33.20-33.43 33.20-33.43	SPT S D 33	50 (12,13 for 50mm/ 34,16 for 30mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	38.80 -35.37 (4.00)		
34.00-34.19 34.00-34.19	SPT S D 34	50 (18,7 for 20mm/ 33,17 for 20mm)	8.60	0.00				
34.80-34.98 34.80-34.98	SPT S D 35	50 (14,11 for 30mm/ 47,3 for 0mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	38.80 -35.37 (4.00)		
35.60-35.80 35.60-35.80	SPT S D 36	50 (14,11 for 45mm/ 46,4 for 0mm)	8.60	0.00				
36.40-36.60 36.40-36.60	SPT S D 37	50 (14,11 for 40mm/ 40,10 for 5mm)	19/09/2010 8.60 20/09/2010	1.30 0.80 0800				
37.20-37.39 37.20-37.40	SPT S D 38	50 (18,7 for 20mm/ 33,17 for 20mm)	8.60	0.00	Very dense grey and greenish grey slightly silty slightly gravelly fine to medium SAND with rare fine to medium gravel size shell	38.80 -35.37 (4.00)		
38.00-38.18 38.00-38.20	SPT S D 39	50 (15,10 for 30mm/ 50 for 70mm)	8.60	0.00				
38.80-38.97 38.80-39.00	SPT S D 40	50 (14,11 for 20mm/ 50 for 70mm)	8.60	0.00	Very dense grey and greenish grey slightly silty slightly gravelly fine to medium SAND with rare fine to medium gravel size shell	38.80 -35.37 (4.00)		
39.60-39.79 39.60-39.80	SPT S D 41	50 (14,11 for 25mm/ 38,12 for 15mm)	8.60	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 43.60 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)								

Borehole Log



Drilled DP Logged ST/GA Checked MT	Start 14/09/2010 End 21/09/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT Hammer No. SM27	Depth from 0.00m to 8.60m Diameter 198mm Casing Depth 8.60m	Ground Level +3.43 mOD Coordinates E 647581.24 National Grid N 264158.67 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
40.40-40.57 40.40-40.60	SPT S D 42	50 (20,5 for 10mm/ 42,8 for 10mm)	8.60	0.00	fragments. Gravel is angular subrounded fine of flint. (CRAG DEPOSITS)	(4.80)			
41.20-42.00	D 43								
41.70-41.93	SPT S	50 (13,12 for 50mm/ 33,17 for 25mm)	8.60	0.00					
42.00-42.26 42.00-42.20	SPT S D 44	50 (9,15/30,20 for 30mm)	8.60	0.00					
42.80-43.04 42.80-43.00	SPT S D 45	50 (10,15 for 70mm/ 34,16 for 15mm)	8.60	0.00					
43.60-43.84 43.60-43.80	SPT S D 46	50 (11,14 for 65mm/ 36,14 for 20mm)	8.60	0.00					
44.40-44.66 44.40-44.60	SPT S D 47	50 (14,11 for 50mm/ 23,27 for 60mm)	20/09/2010 8.60 21/09/2010 8.60	2.40 2.48 0800 2.80					
45.20-45.38 45.20-45.40	SPT S D 48	50 (12,13 for 30mm/ 50 for 70mm)	8.60	0.00					
46.00-46.24 46.00-46.20	SPT S D 49	50 (7,16/38,12 for 15mm)	8.60	0.00					
46.80-47.00 46.80-47.00	SPT S D 50	50 (13,12 for 40mm/ 40,10 for 10mm)	8.60	0.00					
47.60-47.99 47.60-48.00	SPT S D 51	45 (9,16 for 20mm/ 12,11,11,11 for 70mm)	8.60	0.00	Very dense grey and greenish grey slightly silty fine to medium SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	43.60 -40.17 45.00 -41.57 46.00-47.00 m rare pockets of grey clayey silt (3.20)			
48.40-48.85 48.40-48.80	SPT S D 52	N=33 (3,6/7,8,8,10)	8.60 21/09/2010 8.60	0.00 0.00					
					Very stiff thinly laminated dark grey slightly sandy silty CLAY. Sand is fine. (LONDON CLAY A3ii)	48.20 -44.77 (0.65)			
					EXPLORATORY HOLE ENDS AT 48.85 m	48.85 -45.42			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP/MA Logged EM Checked MT	Start 12/10/2010 End 19/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.85m Diameter 198mm Casing Depth 9.85m	Ground Level +3.15 mOD Coordinates E 647575.08 National Grid N 264068.46 Chainage
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Samples and Tests				Strata		Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
0.10 0.40 0.80 1.20	D 1 D 2 D 3 D 4	0.00-1.20 m Hand excavated inspection pit.			Brown sandy subangular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (MADE GROUND)	0.10 +3.05 (1.10)		
			12/10/2010	dry				
			13/10/2010	0800 dry	Light brown gravelly SAND. Gravel is subangular to subrounded fine to medium of mixed lithologies including flint. (RECENT DEPOSITS)	1.20 +1.95		
					ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports gravelly sand. (Possible RECENT DEPOSITS)			
						(8.80)		
10.00-10.45 10.00-10.45	SPT S D 5	N=20 (1,2/3,3,5,9)	8.15	0.00	Firm black slightly gravelly amorphous PEAT. Gravel is subrounded fine to medium of mixed lithologies including flint. (RECENT DEPOSITS)	10.00 -6.85 (0.45)		
10.80-11.25 10.80-11.25	SPT S D 6	N=19 (2,2/2,3,6,8)	8.15	0.00		10.45 -7.30		
11.60-12.05 11.60	SPT S D 7	N=37 (6,6/6,8,10,13) Flush: 8.60-15.60 water, 95 %	13/10/2010 8.45	0.40 0.00	Medium dense to dense grey slightly silty, locally silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(1.60)		
12.40-12.85 12.40-12.85	SPT S D 8	50 (4,9/10,9,13,18 for 70mm)	8.15	0.00		12.05 -8.90		
13.20-13.64 13.20-13.64	SPT S D 9	50 (3,7/9,11,15,15 for 60mm)	8.15	0.00	Very dense grey slightly silty, locally silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
14.00-14.45 14.00-14.45	SPT S D 10	N=30 (4,4/3,7,9,11)	8.15	0.00				
14.80-15.18 14.80-15.18	SPT S D 11	50 (4,5/8,18,24)	8.15	0.00		(5.95)		
15.60-15.94 15.60-15.94	SPT S D 12	50 (4,5/12,21,17 for 40mm)	14/10/2010 8.45	1.00 0.00				
16.40-16.67 16.40-16.67	SPT S D 13	50 (9,16 for 65mm/ 28,22 for 55mm)	15/10/2010 9.85	0800 2.00				
17.20-17.45 17.20-17.45	SPT S D 14	50 (5,14/31,19 for 25mm)	9.85	0.00				
18.00-18.25 18.00-18.25	SPT S D 15	50 (8,15/25,25 for 25mm)	9.85	0.00				
18.80-19.04 18.80-19.04	SPT S D 16	Flush: 15.60-21.46 water mud, 100 % 50 (9,16 for 65mm/ 23,27 for 25mm)	9.85	0.00	Very dense grey slightly silty slightly gravelly SAND with rare fine to medium gravel size shell fragments. Gravel is subangular fine to medium of flint and mudstone. (CRAG DEPOSITS)	18.00 -14.85		
19.60-19.85 19.60-19.84	SPT S D 17	50 (10,15 for 70mm/ 15,35 for 25mm)	9.85	0.00				
					Stratum continues to 25.50 m			

Groundwater Entries No. Struck (m) Post strike behaviour None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP/MA Logged EM Checked MT	Start 12/10/2010 End 19/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.85m	to 9.85m 48.85m	Diameter 198mm 146mm	Casing Depth 9.85m	Ground Level +3.15 mOD Coordinates E 647575.08 National Grid N 264068.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.73 20.40-20.73	SPT S D 18	50 (6.8/14,26,10 for 30mm)	9.85	0.00	Very dense grey slightly silty slightly gravelly SAND with rare fine to medium gravel size shell fragments. Gravel is subangular fine to medium of flint and mudstone. (CRAG DEPOSITS)	(7.50)		
21.20-21.46 21.20-21.46	SPT S D 19	49 (6,14/22,27 for 35mm)	9.85 15/10/2010	0.00 0.00				
22.00-22.27 22.00-22.27	SPT S D 20	50 (5,16/28,22 for 40mm)	9.85 16/10/2010	0.00 1.10				
22.80-23.08 22.80-23.25	SPT S D 21	50 (8,16/24,26 for 50mm)	9.85	0.00				
23.60-23.88 23.60-23.88	SPT S D 22	50 (9,17 for 65mm/ 27,23 for 60mm)	9.85	0.00				
24.40-24.63 24.40-24.63	SPT S D 23	50 (9,16 for 70mm/ 35,15 for 10mm)	9.85	0.00				
25.20-25.50 25.20-25.50	SPT S D 24	50 (9,16 for 70mm/20,30)	9.85	0.00				
26.00-26.27 26.00-26.27	SPT S D 25	50 (8,17 for 70mm/ 25,25 for 45mm)	9.85	0.00				
26.80-27.05 26.80-27.05	SPT S D 26	50 (7,18 for 70mm/ 35,15 for 30mm)	16/10/2010 9.85	1.30 0.80 1.50				
27.60-27.85 27.60-27.85	SPT S D 27	50 (10,15 for 60mm/ 25,25 for 40mm)	9.85	0.00				
28.40-28.70 28.40-28.70	SPT S D 28	50 (7,13/20,30 for 70mm)	9.85	0.00				
29.20-29.54 29.20-29.54	SPT S D 29	50 (6,9/13,21,16 for 40mm)	9.85	0.00				
30.00-30.27 30.00-30.27	SPT S D 30	50 (7,11/21,29 for 40mm)	9.85	0.00				
30.80-31.05 30.80-31.05	SPT S D 31	50 (12,13 for 50mm/ 25,25 for 45mm) Flush: 21.46-41.20 water, 95 %	9.85	0.00				
31.60-31.76 31.60-31.76	SPT S D 32	50 (9,16 for 40mm/50 for 40mm)	9.85	0.00				
32.40-32.70 32.40-32.70	SPT S D 33	50 (12,13 for 60mm/ 21,21,8 for 10mm)	17/10/2010 9.85	1.60 0.80 1.80				
33.20-33.48 33.20-33.48	SPT S D 34	50 (14,11 for 50mm/25,25)	9.85	0.00				
34.00-34.28 34.00-34.28	SPT S D 35	50 (12,13 for 55mm/24,26)	9.85	0.00				
34.80-35.01 34.80-35.01	SPT S D 36	50 (15,10 for 20mm/ 32,18 for 40mm)	9.85	0.00				
35.60-35.88 35.60-35.88	SPT S D 37	50 (12,13 for 65mm/ 24,26 for 60mm)	9.85	0.00				
36.40-36.64 36.40-36.64	SPT S D 38	50 (13,12 for 40mm/ 30,20 for 50mm)	9.85	0.00				
37.20-37.49 37.20-37.49	SPT S D 39	50 (13,12 for 60mm/23,27)	9.85	0.00				
38.00-38.26 38.00-38.26	SPT S D 40	50 (14,11 for 50mm/ 25,25 for 60mm)	9.85	0.00				
38.80-39.04 38.80-39.35	SPT S D 41	50 (13,12 for 45mm/ 27,23 for 40mm)	9.85	0.00				
39.60-39.79 39.60-39.79	SPT S D 42	50 (15,10 for 30mm/ 30,20 for 10mm)	9.85	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 47.80 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)									

Borehole Log



Drilled DP/MA Logged EM Checked MT	Start 12/10/2010 End 19/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.85m Diameter 198mm Casing Depth 9.85m	Ground Level +3.15 mOD Coordinates E 647575.08 National Grid N 264068.46 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
40.40-40.60 40.40-40.60	SPT S D 43	50 (14,11 for 30mm/ 28,22 for 20mm)	9.85	0.00	Very dense grey slightly silty, locally silty SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)					
41.20-41.59 41.20-41.59	SPT S D 44	50 (5,10/14,21,15,- for 15mm)	18/10/2010 9.85 19/10/2010	2.00 0.800 0800						
42.00-42.27 42.00-42.27	SPT S D 45	50 (8,17 for 70mm/ 25,25 for 50mm)	9.85	0.00		42.00-42.25 m Frequent pockets of soft grey silty clay				
42.80-43.08 42.80-43.08	SPT S D 46	50 (10,15/22,28 for 50mm)	9.85	0.00						
43.60-43.90 43.60-43.88	SPT S D 47	50 (8,16/23,27 for 70mm)	9.85	0.00						
44.40-44.68 44.40-44.68	SPT S D 48	50 (9,16 for 65mm/ 25,25 for 60mm)	9.85	0.00						
45.20-45.46 45.20-45.46	SPT S D 49	50 (10,15 for 60mm/ 26,24 for 50mm)	9.85	0.00		45.20-45.45 m Slightly gravelly. Gravel is angular to rounded fine of flint				
46.00-46.27 46.00-46.27	SPT S D 50	50 (10,15 for 65mm/ 30,20 for 50mm)	9.85	0.00						
46.80-47.06 46.80-47.06	SPT S D 51	50 (11,14 for 60mm/ 31,19 for 45mm)	9.85	0.00		46.80-47.05 m Gravelly. Gravel is angular to rounded fine to medium of flint				
47.60-48.05 47.60-48.05	SPT S D 52	N=46 (10,13/11,11,12,12)	9.85	0.00		Stiff thinly laminated dark grey silty CLAY. (LONDON CLAY A3ii)	47.80 -44.65			
48.40-48.85 48.40-48.85	SPT S D 53	N=39 (5,7/8,10,10,11)	9.85 19/10/2010	0.00			(1.05)			
			9.85				EXPLORATORY HOLE ENDS AT 48.85 m	48.85 -45.70		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/EM Checked MT		Start 22/09/2010 End 01/10/2010		Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites) SPT hammer No. SM27.		Depth from 0.00m 7.58m		to 7.58m 49.65m		Diameter 198mm 174mm		Casing Depth 7.58m		Ground Level Coordinates National Grid Chainage		+3.32 mOD E 647575.83 N 264008.52	
Samples and Tests						Strata											
Depth	Type & No	Records	Date Casing	Time Water	Description				Depth, Level/ (Thickness)	Legend	Backfill/ Instruments						
0.10-0.20 0.50 1.00	D 1 D 2 D 3	0.00-1.20 m Hand excavated inspection pit.			Greyish brown slightly gravelly SAND with frequent rootlets. Gravel is angular to rounded fine to medium of various lithologies including flint. (MADE GROUND) Yellow slightly gravelly SAND. Gravel is angular to rounded fine to medium of various lithologies including flint. (Possibly RECENT DEPOSITS) ROTARY OPEN HOLE DRILLING. No sample recovered. Foreman reports gravel. (Possible RECENT DEPOSITS)				0.20 +3.12 (1.00) 1.20 +2.12								
			22/09/2010	dry													
			23/09/2011	0800 dry													
10.00-10.45 10.00-10.45	SPT S D 4	N=47 (3,6/9,11,13,14)	7.20	0.00	Dense greenish grey slightly silty, locally silty, slightly gravelly SAND with rare to occasional fine gravel size shell fragments. Gravel is angular to subangular fine of claystone. (CRAG DEPOSITS)				10.00 -6.68 (1.25)								
10.80-11.25 10.80-11.25	SPT S D 5	N=46 (3,4/6,10,14,16)	7.20	0.00					11.25 -7.93								
11.60-12.03 11.60-12.03	SPT S D 6	50 (5,4/10,11,17,12 for 50mm)	7.20	0.00													
12.40-12.81 12.40-12.81	SPT S D 7	50 (5,7/12,15,15,8 for 30mm)	7.20	0.00					(2.75)								
13.20-13.60 13.20-13.60	SPT S D 8	50 (6,9/13,14,17,6 for 20mm)	7.20	0.00													
14.00-14.32 14.00-14.32	SPT S D 9	50 (5,9/11,17,22 for 15mm)	7.20	0.00					14.00 -10.68								
14.80-15.12 14.80-15.12	SPT S D 10	50 (5,9/18,25,7 for 15mm)	7.20	0.00													
15.60-15.95 15.60-15.95	SPT S D 11	50 (5,10/15,18,17 for 50mm)	7.20	0.00					(3.65)								
16.40-16.77 16.40-16.77	SPT S D 12	50 (3,8/13,19,18 for 70mm)	7.20	0.00													
17.20-17.56 17.20-17.56	SPT S D 13	50 (6,10/12,21,17 for 60mm)	7.20	0.00													
18.00-18.37 18.00-18.39	SPT S D 14	50 (6,12/20,19,11 for 65mm)	23/09/2011 7.20 24/09/2010	0.00 0.00 0800	Very dense greenish grey slightly silty, locally silty, SAND with rare to occasional fine gravel size shell fragments. (CRAG DEPOSITS)				17.65 -14.33 (1.15)								
18.80-19.08 18.80-19.08	SPT S D 15	50 (9,10/24,26 for 50mm)	7.20	0.00					18.80 -15.48								
19.60-19.98 19.60-19.98	SPT S D 16	50 (4,10/13,16,18,3 for 5mm)	7.20	0.00					(1.25)								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 20.05 m												
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks * From to (m)				Chiselling Depths (m) Time Tools used								
None observed (see Key Sheet)																	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE				Borehole SPT 2009_8										
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 14:52:44			Project No. A0012-10 Carried out for NNB Generation Company Limited				Sheet 1 of 3										

Borehole Log



Drilled DP Logged ST/EM Checked MT	Start 22/09/2010 End 01/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites) SPT hammer No. SM27.	Depth from 0.00m to 7.58m	to 7.58m 49.65m	Diameter 198mm 174mm	Casing Depth 7.58m	Ground Level +3.32 mOD Coordinates E 647575.83 National Grid N 264008.52 Chainage
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Samples and Tests				Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)				
20.40-20.76 20.40-20.76	SPT S D 17	50 (8,11/15,17,18 for 60mm)	7.20	0.00	occasional fine gravel size shell fragments. Gravel is angular to subangular fine to medium of flint. (CRAG DEPOSITS)	20.40-21.65 m Occasional pockets of grey clayey silt	20.05 -16.73		
21.20-21.49 21.20-21.49	SPT S D 18	50 (5,11/23,27 for 60mm)	24/09/2010 7.20	1.40 0.80	Very dense greenish grey slightly silty, locally silty, SAND with rare to occasional fine gravel size shell fragments. (CRAG DEPOSITS)				
22.00-22.28 22.00-22.28	SPT S D 19	50 (4,11/27,23 for 50mm)	27/09/2010 7.20	0.800 1.50					
22.80-23.06 22.80-23.06	SPT S D 20	50 (6,16/32,18 for 30mm)	7.20	0.00					
23.60-23.86 23.60-23.86	SPT S D 21	50 (7,18 for 65mm/ 33,17 for 40mm) Flush: 7.10-41.20 water, 95%	7.20	0.00		23.60-23.85 m Slightly gravelly of angular to subangular fine to medium flint			
24.40-24.68 24.40-24.68	SPT S D 22	50 (7,10/23,27 for 50mm)	7.20	0.00					
25.20-25.46 25.20-25.46	SPT S D 23	50 (8,15/25,25 for 30mm)	7.20	0.00					
26.00-26.27 26.00-26.27	SPT S D 24	50 (8,17/24,26 for 40mm)	7.20	0.00					
26.80-27.00 26.80-27.00	SPT S D 25	50 (12,13 for 30mm/ 33,17 for 20mm)	7.20	0.00		26.80-27.85 m Slightly gravelly of angular to rounded fine flint			
27.60-27.87 27.60-27.87	SPT S D 26	50 (9,16 for 70mm/ 30,20 for 50mm)	27/09/2010 28/09/2010 7.20	1.60 0.800 1.70					
28.40-28.64 28.40-28.64	SPT S D 27	50 (11,14 for 60mm/ 35,15 for 25mm)	7.20	0.00					
29.20-29.40 29.20-29.40	SPT S D 28	50 (15,10 for 40mm/ 45,5 for 5mm)	7.20	0.00					
30.00-30.23 30.00-30.23	SPT S D 29	50 (14,11 for 40mm/ 30,20 for 40mm)	7.20	0.00					
30.80-31.05 30.80-31.05	SPT S D 30	50 (10,15 for 65mm/ 33,17 for 30mm)	7.20	0.00					
31.60-31.85 31.60-31.85	SPT S D 31	50 (12,13 for 50mm/ 26,24 for 45mm)	7.20	0.00					
32.40-32.64 32.40-32.64	SPT S D 32	50 (12,13 for 50mm/ 29,21 for 40mm)	7.20	0.00					
33.20-33.43 33.20-33.43	SPT S D 33	50 (13,12 for 55mm/ 35,15 for 25mm)	7.20	0.00					
34.00-34.26 34.00-34.26	SPT S D 34	50 (14,11 for 55mm/ 32,18 for 50mm)	7.20	0.00			(28.35)		
34.80-35.04 34.80-35.04	SPT S D 35	50 (11,14 for 60mm/ 29,21 for 25mm)	7.20	0.00					
35.60-35.81 35.60-35.81	SPT S D 36	50 (15,10 for 30mm/ 36,14 for 30mm)	28/09/2010 29/09/2010 7.20	1.80 0.800 1.80					
36.40-36.63 36.40-36.63	SPT S D 37	50 (17,8 for 25mm/ 29,21 for 50mm)	7.20	0.00					
37.20-37.43 37.20-37.43	SPT S D 38	50 (17,8 for 25mm/ 29,21 for 50mm)	7.20	0.00					
38.00-38.23 38.00-38.23	SPT S D 39	50 (13,12 for 40mm/ 30,20 for 40mm)	7.20	0.00					
38.80-39.00 38.80-39.00	SPT S D 40	50 (10,15 for 50mm/ 48,2 for 0mm)	7.20	0.00					
39.60-39.80 39.60-39.80	SPT S D 41	50 (11,14 for 50mm/ 50 for 70mm)	7.20	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 48.40 m				

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour			From to (m)			Depths (m)	Time	Tools used
None observed (see Key Sheet)										

Borehole Log



Drilled DP Logged ST/EM Checked MT	Start 22/09/2010 End 01/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites) SPT hammer No. SM27.	Depth from 0.00m to 7.58m Diameter 198mm Casing Depth 7.58m	Ground Level +3.32 mOD Coordinates E 647575.83 National Grid N 264008.52 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.59 40.40-40.59	SPT S D 42	50 (12,13 for 40mm/ 45,5 for 0mm)	7.20	0.00	Very dense greenish grey slightly silty, locally silty, SAND with rare to occasional fine gravel size shell fragments. (CRAG DEPOSITS)			
41.20-41.47 41.20-41.47	SPT S D 43	50 (12,13 for 40mm/50,-)	29/09/2010 7.20	1.80 0.80				
42.00-42.22 42.00-42.22	SPT S D 44	50 (9,16 for 50mm/ 34,16 for 20mm)	30/09/2010 7.20	0800 2.00				
42.80-43.02 42.80-43.02	SPT S D 45	50 (9,16 for 70mm/ 45,5 for 0mm)	7.20	0.00				
43.60-43.82 43.60-43.82	SPT S D 46	50 (11,14 for 60mm/ 38,12 for 10mm)	7.20	0.00				
44.40-44.67 44.40-44.67	SPT S D 47	50 (10,15 for 70mm/ 27,23 for 50mm)	7.20	0.00				
45.20-45.45 45.20-45.45	SPT S D 48	50 (11,14 for 50mm/ 28,22 for 45mm)	7.20	0.00				
46.00-46.21 46.00-46.21	SPT S D 49	50 (13,12 for 45mm/ 35,15 for 10mm)	7.20	0.00				
46.80-46.99 46.80-46.99	SPT S D 50	50 (14,11 for 30mm/ 36,14 for 10mm)	7.20	0.00				
47.60-47.90 47.60-47.90	SPT S D 51	50 (8,16/19,31)	30/09/2010 7.20	2.00 0.80				
48.40-48.76 48.40-48.76	SPT S D 52	50 (9,15/30,11,9 for 60mm)	01/10/2010 7.20	0800 2.80	Very stiff dark grey CLAY. (LONDON CLAY A3ii)	48.40 -45.06		
49.20-49.65 49.20-49.65	SPT S D 53	N=40 (4,7/9,9,10,12)	7.20 01/10/2010 7.20	0.00 0.00	EXPLORATORY HOLE ENDS AT 49.65 m	(1.25) 49.65 -46.33		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/EM Checked MT		Start 02/10/2010 End 12/10/2010		Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.		Depth from 0.00m 9.54m		to 9.54m 49.65m		Diameter 198mm 131mm		Casing Depth 9.54m		Ground Level +3.44 mOD Coordinates E 647576.89 National Grid N 263924.80 Chainage	
Samples and Tests					Strata										
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
0.20 0.50 1.00	D 1 D 2 D 3	0.00-1.20 m Hand excavated inspection pit.			Greyish brown SAND with frequent rootlets. (MADE GROUND) Grey slightly silty SAND. (RECENT DEPOSITS) Yellow SAND. (RECENT DEPOSITS) 1.20-2.65 m Foreman reports cobbles ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports SAND and GRAVEL. (Possible RECENT DEPOSITS)					0.20 +3.24 0.40 +3.04 (0.80) 1.20 +2.24					
			02/10/2010 7.95 03/10/2010 7.95	0.00 0800 0.00											
10.00-10.34 10.00-10.34	SPT S D 4	50 (13,11/13,23,14 for 35mm)	9.54	0.00	Very dense orangish brown silty locally slightly silty slightly gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)					10.00 -6.56					
			03/10/2010 9.54 04/10/2010 9.54	0.00 0.00 0800 0.80											
10.80-11.17 10.80-11.17	SPT S D 5	50 (8,9/12,18,20 for 70mm)	9.54	0.00											
11.60-12.01 11.60-12.00	SPT S D 6	50 (5,9/12,15,15,8 for 30mm)	9.54	0.00											
12.40-12.70 12.40-12.70	SPT S D 7	50 (5,13/22,27,1 for 0mm)	9.54	0.00											
13.20-13.50 13.20-13.50	SPT S D 8	50 (3,11/19,29,2 for 1mm)	9.54	0.00	13.20-13.50 m Gravel includes claystone										
14.00-14.38 14.00-14.38	SPT S D 9	50 (3,7/11,15,23,1 for 0mm)	9.54	0.00	14.00-14.40 m Occasional pockets of orange brown clayey silt.					(8.00)					
14.80-15.19 14.80-15.19	SPT S D 10	50 (5,9/12,14,15,9 for 10mm)	9.54	0.00											
15.60-15.98 15.60-15.98	SPT S D 11	50 (4,9/13,17,17,3 for 5mm)	9.54	0.00											
16.40-16.75 16.40-16.75	SPT S D 12	50 (5,8/16,21,13 for 45mm)	9.54	0.00											
17.20-17.51 17.20-17.51	SPT S D 13	50 (5,11/18,26,6 for 10mm)	9.54	0.00											
18.00-18.35 18.00-18.35	SPT S D 14	50 (4,6/14,19,17 for 50mm)	9.54	0.00											
18.80-19.15 18.80-19.15	SPT S D 15	50 (5,11/15,24,11 for 45mm)	9.54	0.00	Very dense orangish brown silty SAND with occasional to frequent fine gravel size shell fragments. (CRAG DEPOSITS)					18.00 -14.56					
19.60-19.96 19.60-19.96	SPT S D 16	50 (3,10/17,19,14 for 55mm)	04/10/2010 9.54 05/10/2010 0800	1.00 0.00											
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 26.00 m										
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks * From to (m)					Chiselling Depths (m) Time Tools used					
None observed (see Key Sheet)															
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE					Borehole SPT 2009_9							
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 14:53:08			Project No. A0012-10 Carried out for NNB Generation Company Limited					Sheet 1 of 3							

Borehole Log



Drilled DP Logged ST/EM Checked MT	Start 02/10/2010 End 12/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.54m Diameter 198mm Casing Depth 9.54m	Ground Level +3.44 mOD Coordinates E 647576.89 National Grid N 263924.80 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.70 20.40-20.70	SPT S D 17	50 (5,16/23,27 for 70mm)	9.54	1.00	Very dense orangish brown silty SAND with occasional to frequent fine gravel size shell fragments. (CRAG DEPOSITS)	(8.00)		
21.20-21.45 21.20-21.45	SPT S D 18	50 (6,18/33,17 for 25mm)	9.54	0.00				
22.00-22.28 22.00-22.28	SPT S D 19	50 (7,18/25,25 for 50mm)	9.54	0.00				
22.80-23.11 22.80-23.11	SPT S D 20	50 (8,13/20,25,5 for 5mm)	9.54	0.00				
23.60-23.90 23.60-23.90	SPT S D 21	50 (5,11/19,31)	9.54	0.00				
24.40-24.70 24.40-24.70	SPT S D 22	50 (7,16/24,26 for 70mm)	9.54	0.00				
25.20-25.50 25.20-25.50	SPT S D 23	50 (8,14/25,25 for 70mm)	9.54	0.00				
26.00-26.24 26.00-26.24	SPT S D 24	50 (9,16 for 65mm/ 20,30 for 20mm)	9.54	0.00				
26.80-27.12 26.80-27.12	SPT S D 25	50 (10,15/19,20,11 for 20mm)	05/10/2010 9.54 06/10/2010 0800 9.54 1.40	1.20 1.20 0.80 1.40				
27.60-27.88 27.60-27.88	SPT S D 26	50 (13,12 for 60mm/ 23,27 for 70mm)	9.54	0.00				
28.40-28.63 28.40-28.63	SPT S D 27	50 (9,16 for 65mm/ 39,11 for 10mm)	9.54	0.00				
29.20-29.45 29.20-29.45	SPT S D 28	50 (8,17/28,22 for 20mm) Flush: 10.00-49.20 water, 95 %	9.54	0.00				
30.00-30.30 30.00-30.30	SPT S D 29	50 (9,16 for 70mm/ 21,28,1 for 0mm)	9.54	0.00	30.00-30.30 m Locally weakly cemented			
30.80-31.05 30.80-31.05	SPT S D 30	50 (10,15 for 50mm/ 30,20 for 50mm)	9.54	0.00				
31.60-31.87 31.60-31.87	SPT S D 31	50 (7,16/26,24 for 45mm)	9.54	0.00				
32.40-32.67 32.40-32.67	SPT S D 32	50 (9,16 for 65mm/ 28,22 for 50mm)	9.54	0.00	32.40-33.35 m Rare pockets of grey clayey silt			
33.20-33.44 33.20-33.44	SPT S D 33	50 (12,13 for 60mm/ 34,16 for 30mm)	9.54	0.00				
34.00-34.25 34.00-34.25	SPT S D 34	41 (10,15 for 60mm/ 23,18 for 40mm)	9.54	0.00				
34.80-35.10 34.80-35.10	SPT S D 35	50 (9,16/22,28 for 70mm)	9.54 06/10/2010 9.54	0.00 1.50 0800				
35.60-35.91 35.60-35.91	SPT S D 36	50 (11,14/18,24,8 for 10mm)	07/10/2010 9.54	1.80 0.00				
36.40-36.62 36.40-36.62	SPT S D 37	50 (9,16 for 60mm/ 41,9 for 5mm)	9.54	0.00				
37.20-37.41 37.20-38.90	SPT S D 38	50 (12,13 for 50mm/ 42,8 for 5mm)	9.54	0.00	(22.40)			
38.00-38.25 38.00-38.25	SPT S D 39	50 (12,13 for 50mm/ 32,18 for 50mm)	9.54	0.00				
38.60-39.93 38.80-39.05 38.80-39.05	D 41 SPT S D 40	50 (9,16 for 60mm/ 30,20 for 40mm)	9.54	0.00				
39.66-39.93	SPT S	50 (11,14 for 70mm/ 28,22 for 50mm)	9.54	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 48.40 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged ST/EM Checked MT	Start 02/10/2010 End 12/10/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. (Soda ash, Quik gel, Quik troll, EZ mud gold and Barites). SPT hammer No. SM27.	Depth from 0.00m to 9.54m Diameter 198mm Casing Depth 9.54m	Ground Level +3.44 mOD Coordinates E 647576.89 National Grid N 263924.80 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
40.40-40.69 40.40-40.69	SPT S D 42	50 (13,14 for 60mm/ 20,28,2 for 0mm)	9.54	0.00	Very dense grey slightly silty slightly gravelly SAND with occasional to frequent fine gravel size shell fragments. Gravel is angular to rounded fine of mixed lithologies including flint. (CRAG DEPOSITS)				
41.20-41.41 41.20-41.41	SPT S D 43	50 (14,11 for 30mm/ 36,14 for 25mm)	9.54	0.00					
42.00-42.34 42.00-42.34	SPT S D 44	50 (11,14 for 70mm/ 17,21,12 for 40mm)	07/10/2010 9.54	2.00 0.800 2.00					
42.80-43.01 42.80-43.01	SPT S D 45	50 (11,14 for 50mm/ 35,15 for 10mm)	9.54	0.00					
43.60-43.80 43.60-43.80	SPT S D 46	50 (12,13 for 40mm/ 37,13 for 10mm)	9.54	0.00					
44.40-44.67 44.40-44.67	SPT S D 47	50 (8,17 for 70mm/ 28,22 for 50mm)	08/10/2010 9.54	2.00 0.800 3.00					
45.20-45.43 45.20-45.43	SPT S D 48	50 (22,3 for 5mm/ 23,27 for 70mm)	9.54	0.00					
46.00-46.28 46.00-46.28	SPT S D 49	50 (8,17 for 70mm/ 23,27 for 60mm)	9.54	0.00					
46.80-47.05 46.80-47.05	SPT S D 50	50 (12,13 for 50mm/ 27,23 for 50mm)	9.54	0.00					
47.60-47.86 47.60-47.86	SPT S D 51	50 (9,16 for 60mm/ 27,23 for 50mm)	9.54	0.00					
48.40-48.85 48.60-48.85	SPT S D 52	N=36 (5,6/6,7,11,12)	9.54	0.00		Very stiff brown slightly sandy CLAY. (LONDON CLAY A3ii)	48.40 -44.96		
49.20-49.65 49.20-49.65	SPT S D 53	N=37 (4,6/7,9,10,11)	9.54 11/10/2010	0.00 3.00			(1.25)		
EXPLORATORY HOLE ENDS AT 49.65 m							49.65 -46.21		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged EM/ST Checked MT	Start 20/07/2010 End 26/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 27.	Depth from 0.00m to 9.30m	to 9.30m 45.65m	Diameter 198mm	Casing Depth 9.30m	Ground Level +1.74 mOD Coordinates E 647394.86 National Grid N 264120.46 Chainage
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Samples and Tests					Strata			Groundwater		
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.00-0.20 0.20-0.50 0.20-0.50 0.80-0.95 0.80-0.95	D 1 B 2 D 3 B 4 D 5	0.00-1.20 m Hand excavated inspection pit.			Brown clayey gravelly fine to coarse SAND with occasional rootlets. Gravel is angular to rounded fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	0.20 +1.54 (0.75) 0.95 +0.79 1.20 +0.54				
					Yellowish brown silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)					
					Sand, cobbles, cement. (Foreman's description) (MADE GROUND)					
					ROTARY OPEN HOLE DRILLING. No samples recovered. (Possible MADE GROUND / RECENT DEPOSITS)	(8.80)				
10.00-10.45 10.00-10.45	SPT S D 6	N=6 (1,1/1,1,2,2)	20/07/2010 9.30	1.00 0.80	Plastic dark brown and black slightly clayey amorphous locally pseudo-fibrous PEAT. (RECENT DEPOSITS)	10.00 -8.26 (0.80)				
10.80-11.25 10.80-11.25	SPT S D 7	N=33 (3,3/7,7,9,10)	9.30	0.00	Dense grey silty slightly gravelly fine to coarse SAND. Gravel is subangular fine to medium of flint. (CRAG DEPOSITS)	10.80 -9.06 (0.80)				
11.60-12.05 11.60-12.05	SPT S D 8	N=32 (3,5/6,8,8,10)	9.30	0.00	Very dense, locally dense, grey slightly silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is fine to medium of flint. (CRAG DEPOSITS)	11.60 -9.86				
12.40-12.84 12.40-12.84	SPT S D 9	50 (4,8/11,14,15,10 for 60mm)	9.30	0.00						
13.20-13.65 13.20-13.65	SPT S D 10	N=28 (3,2/7,7,7,7)	9.30	0.00						
14.00-14.30 14.00-14.30	SPT S D 11	30 (4,9/13,16,1 for 0mm)	9.30	0.00						
14.80-15.11 14.80-15.11	SPT S D 12	50 (4,8/13,18,19 for 10mm)	9.30	0.00						
15.60-16.01 15.60-16.01	SPT S D 13	50 (3,8/13,14,15,8 for 35mm)	9.30	0.50						
16.40-16.84 16.40-16.84	SPT S D 14	50 (4,6/9,13,15,13 for 65mm)	21/07/2010 9.30	1.50 0.80						
17.20-17.57 17.20-17.57	SPT S D 15	50 (4,9/15,17,18 for 74mm)	22/07/2010 9.30	1.30						
18.00-18.34 18.00-18.34	SPT S D 16	50 (4,10/16,20,14 for 40mm)	9.30	0.00		(12.50)				
18.80-19.10 18.80-19.10	SPT S D 17	50 (4,11/18,30,2 for 0mm)	9.30	0.00						
19.60-19.86 19.60-19.86	SPT S D 18	50 (7,18/29,21 for 30mm)	9.30	0.00						
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 24.10 m					

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)									

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole
Scale 1:100	Project No. A0012-10	SPT 2009_10
(c) Soil Mechanics www.soil-mechanics.com	Carried out for NNB Generation Company Limited	Sheet 1 of 3

Borehole Log



Drilled DP Logged EM/ST Checked MT	Start 20/07/2010 End 26/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 27.	Depth from 0.00m to 9.30m	to 9.30m 45.65m	Diameter 198mm	Casing Depth 9.30m	Ground Level +1.74 mOD Coordinates E 647394.86 National Grid N 264120.46 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.40-20.65 20.40-20.65	SPT S D 19	50 (8,16/29,21 for 25mm)	9.30	0.00	Very dense, locally dense, grey slightly silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is fine to medium of flint. (CRAG DEPOSITS)			
21.20-21.46 21.20-21.46	SPT S D 20	50 (10,15 for 55mm/ 34,16 for 55mm)	9.30	0.00				
22.00-22.20 22.00-22.20	SPT S D 21	50 (12,13 for 45mm/50)	9.30	0.00	Very dense greenish grey slightly silty gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional laminae of soft to firm silty clay. (CRAG DEPOSITS)	24.10 -22.36		
22.80-23.07 22.80-23.07	SPT S D 22	50 (10,15 for 65mm/ 31,19 for 50mm)	9.30	0.00				
23.60-23.85 23.60-23.85	SPT S D 23	50 (6,18/37,13 for 20mm)	22/07/2010 9.30 23/07/2010 9.30	1.00 0.800 1.40				
24.40-24.65 24.40-24.65	SPT S D 24	50 (9,16 for 50mm/ 30,20 for 45mm)	9.30	0.00				
25.20-25.42 25.20-25.42	SPT S D 25	50 (5,20 for 70mm/50 for 70mm)	9.30	0.00				
26.00-26.24 26.00-26.24	SPT S D 26	50 (5,20/35,15 for 15mm)	9.30	0.00				
26.80-27.04 26.80-27.04	SPT S D 27	50 (8,17 for 65mm/ 31,19 for 25mm)	9.30	0.00				
27.60-27.84 27.60-27.84	SPT S D 28	49 (7,16/32,17 for 15mm)	9.30	0.00				
28.40-28.60 28.40-28.60	SPT S D 29	50 (8,17 for 40mm/ 33,17 for 10mm)	9.30	0.00				
29.20-29.45 29.20-29.45	SPT S D 30	50 (7,18/33,17 for 20mm)	9.30	0.00				
30.00-30.28 30.00-30.28	SPT S D 31	50 (7,15/22,28 for 50mm)	9.30	0.00	(11.50)			
30.80-31.05 30.80-31.05	SPT S D 32	50 (6,15/34,16 for 25mm)	23/07/2010 9.30 24/07/2010 9.30	1.00 0.800 1.40	Very dense grey slightly silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is fine to medium of flint. (CRAG DEPOSITS)	35.60 -33.86		
31.60-31.79 31.60-31.79	SPT S D 33	50 (12,13 for 40mm/ 44,6 for 0mm)	9.30	0.00				
32.40-32.59 32.40-32.59	SPT S D 34	50 (11,14 for 25mm/ 35,15 for 15mm)	9.30	0.00				
33.20-33.40 33.20-33.40	SPT S D 35	50 (12,13 for 30mm/ 36,14 for 15mm)	9.30	0.00				
34.00-34.24 34.00-34.24	SPT S D 36	53 (11,14 for 60mm/ 33,17 for 30mm)	9.30	0.00				
34.80-35.01 34.80-35.01	SPT S D 37	50 (12,13 for 35mm/ 37,13 for 25mm)	9.30	0.00				
35.60-35.82 35.60-35.82	SPT S D 38	50 (10,15 for 50mm/ 32,18 for 20mm)	24/07/2010 9.30 25/07/2010 9.30	1.50 0.800 1.25				
36.40-36.75 36.40-36.75	SPT S D 39	50 (10,15/18,18,14 for 50mm)	9.30	0.00				
37.20-37.46 37.20-37.46	SPT S D 40	50 (9,16 for 70mm/ 27,23 for 40mm)	9.30	0.00				
38.00-38.23 38.00-38.23	SPT S D 41	50 (8,17 for 60mm/ 33,17 for 20mm)	9.30	0.00				
38.80-39.00 38.80-39.00	SPT S D 42	50 (10,15 for 20mm/ 32,18 for 25mm)	9.30	0.00				
39.60-39.79 39.60-39.79	SPT S D 43	50 (15,10 for 25mm/ 37,13 for 15mm)	9.30	0.00				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 44.70 m			

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From to (m)		Depths (m)	Time	Tools used
None observed (see Key Sheet)									

Borehole Log



Drilled DP Logged EM/ST Checked MT	Start 20/07/2010 End 26/07/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using polymer mud flush. SPT hammer SM 27.	Depth from 0.00m to 9.30m Diameter 198mm Casing Depth 9.30m	Ground Level +1.74 mOD Coordinates E 647394.86 National Grid N 264120.46 Chainage
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Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
40.40-40.58 40.40-40.58	SPT S D 44	55 (14,11 for 20mm/ 47.8 for 5mm)	25/07/2010 9.30	1.05 0800	Very dense grey slightly silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is fine to medium of flint. (CRAG DEPOSITS)	(9.10)				
41.20-41.37 41.20-41.37	SPT S D 45	50 (16,9 for 15mm/ 35,15 for 5mm)	26/07/2010 9.30	0.80 1.50						
42.00-42.21 42.00-42.21	SPT S D 46	50 (11,14 for 30mm/ 34,16 for 25mm)	26/07/2010 9.30	0.80 0.00						
42.80-43.08 42.80-43.08	SPT S D 47	69 (13,12 for 30mm/ 31,19,19 for 25mm)	26/07/2010 9.30	0.80 0.00						
43.60-43.82 43.60-43.82	SPT S D 48	50 (9,16 for 60mm/ 38,12 for 5mm)	26/07/2010 9.30	0.80 0.00						
44.40-44.59 44.40-44.59	SPT S D 49	50 (11,14 for 35mm/ 46,4 for 0mm)	26/07/2010 9.30	0.80 0.00						
45.20-45.59 45.20-45.65	SPT S D 50	50 (7,9/11,12,13,14 for 10mm)	26/07/2010 9.30	1.50		Very stiff grey silty CLAY with occasional laminae of silt. (LONDON CLAY A3ii)			44.70 -42.96 (0.95)	
EXPLORATORY HOLE ENDS AT 45.65 m						45.65 -43.91				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged EM Checked MT	Start 28/07/2010 End 04/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using water flush. SPT hammer SM 27.	Depth from 0.00m to 5.70m Diameter 198mm Casing Depth 5.70m	Ground Level +1.91 mOD Coordinates E 647458.60 National Grid N 264207.26 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level / (Thickness)	Legend	Backfill/ Instruments	
0.10-0.30 0.10-0.30 0.30-1.00 0.30-1.00 1.10-1.20	D 1 B 2 D 3 B 4 D 5	0.00-1.20 m Hand excavated inspection pit.			Brown fine to coarse SAND with frequent rootlets. (MADE GROUND) Yellowish brown gravelly fine to coarse SAND. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (MADE GROUND) Brownish grey slightly silty slightly gravelly fine to coarse SAND with occasional shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint. (MADE GROUND) ROTARY OPEN HOLE DRILLING. No samples recovered. (Possible MADE GROUND / RECENT DEPOSITS)	0.10 +1.81 (1.00) 1.10 +0.81 1.20 +0.71			
10.00-10.45 10.00-10.45	SPT S D 6	N=18 (3,4/6,6,3,3)	5.70	0.00	Dense, locally very dense, light brown slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular fine to medium of mixed lithologies including flint and quartz. (CRAG DEPOSITS)	10.00 -8.09			
10.80-11.25 10.80-11.25	SPT S D 7	N=50 (6,7/10,13,14,13)	5.70	0.00					
11.60-12.05 11.60-12.05	SPT S D 8	N=35 (4,8/6,8,9,12)	5.70	0.00					
12.40-12.85 12.40-12.85	SPT S D 9	N=33 (3,3/6,8,8,11)	5.70	0.00					
13.20-13.65 13.20-13.65	SPT S D 10	N=37 (3,4/4,8,11,14)	5.70	0.00					
14.00-14.44 14.00-14.44	SPT S D 11	50 (3,8/11,13,16,10 for 65mm)	5.70	0.00					
14.80-15.25 14.80-15.25	SPT S D 12	N=38 (3,5/8,8,10,12)	5.70	0.00					
15.60-16.05 15.60-16.05	SPT S D 13	50 (2,6/6,14,16,14 for 70mm)	5.70	0.00					
16.40-16.80 16.40-16.80	SPT S D 14	50 (4,8/12,14,16,8 for 25mm)	5.70	0.00					
17.20-17.59 17.20-17.59	SPT S D 15	50 (6,6/12,17,16,5 for 10mm)	5.70	0.00					
18.00-18.38 18.00-18.38	SPT S D 16	48 (6,13/18,24,6,- for 5mm)	5.70	0.00					
18.80-19.10 18.80-19.10	SPT S D 17	50 (4,12/21,29 for 70mm)	5.70	0.00	15.43 -13.52				
19.60-19.90 19.60-19.90	SPT S D 18	50 (8,15/23,27 for 70mm)	5.70	0.00	(7.10)				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 22.53 m				

Groundwater Entries No. Struck Post strike behaviour (m) (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DP Logged EM Checked MT	Start 28/07/2010 End 04/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using water flush. SPT hammer SM 27.	Depth from 0.00m to 5.70m	to 5.70m 45.64m	Diameter 198mm	Casing Depth 5.70m	Ground Level +1.91 mOD Coordinates E 647458.60 National Grid N 264207.26 Chainage
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Samples and Tests				Strata			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)				
20.40-20.64 20.40-20.64	SPT S D 19	50 (8,17 for 70mm/ 34,16 for 15mm)	5.70	0.00	Very dense grey and light brown slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
21.20-21.42 21.20-21.42	SPT S D 20	50 (8,17 for 60mm/ 38,12 for 10mm)	5.70	0.00					
22.00-22.25 22.00-22.25	SPT S D 21	50 (5,16/30,20 for 20mm)	29/07/2010 5.70 30/07/2010 5.70	1.00 0.80 0.800 1.20	Very dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)	22.53 -20.62			
22.80-23.10 22.80-23.10	SPT S D 22	50 (5,12/18,26,6 for 0mm)	5.70	0.00					
23.60-23.85 23.60-23.85	SPT S D 23	50 (6,18/33,17 for 20mm)	5.70	0.00					
24.40-24.68 24.40-24.68	SPT S D 24	50 (6,16/26,24 for 50mm)	5.70	0.00					
25.20-25.44 25.20-25.44	SPT S D 25	50 (8,17 for 70mm/ 37,13 for 15mm)	5.70	0.00					
26.00-26.30 26.00-26.30	SPT S D 26	50 (6,10/20,24,6 for 0mm)	30/07/2010 5.70 02/08/2010 5.70	1.00 0.80 0.800 1.60					
26.80-27.08 26.80-27.08	SPT S D 27	50 (5,16/26,24 for 55mm)	5.70	0.00					
27.60-27.89 27.60-27.89	SPT S D 28	50 (6,11/23,27 for 60mm)	5.70	0.00					
28.40-28.78 28.40-28.78	SPT S D 29	50 (4,7/12,15,18,5 for 5mm)	5.70	0.00					
29.20-29.56 29.20-29.56	SPT S D 30	50 (4,10/15,20,15 for 60mm)	5.70	0.00					
30.00-30.37 30.00-30.37	SPT S D 31	50 (5,9/14,16,20 for 70mm)	5.70	0.00					
30.80-31.07 30.80-31.07	SPT S D 32	50 (7,17 for 70mm/ 30,20 for 50mm)	5.70	0.00					
31.60-31.86 31.60-31.86	SPT S D 33	50 (4,17/28,22 for 30mm)	5.70	0.00					
32.40-32.62 32.40-32.62	SPT S D 34	50 (11,14 for 40mm/ 30,20 for 25mm)	02/08/2010 5.70 03/08/2010 5.70	1.10 0.80 0.800 1.50					
33.20-33.42	SPT S	50 (12,13 for 45mm/ 32,18 for 25mm)	5.70	0.00		33.20-34.00 m Fine angular to rounded gravel of flint			
34.00-34.21	SPT S	50 (8,17 for 50mm/ 44,6 for 5mm)	5.70	0.00					
34.80-35.01	SPT S	50 (10,15 for 30mm/ 34,16 for 25mm)	5.70	0.00					
35.60-35.79	SPT S	50 (20,5 for 2mm/ 30,20 for 40mm)	5.70	0.00					
36.40-36.60	SPT S	50 (18,7 for 20mm/ 31,19 for 30mm)	5.70	0.00		36.40-37.20 m Occasional lenses of greenish grey silt			
37.20-37.44	SPT S	50 (13,12 for 50mm/ 32,18 for 40mm)	5.70	0.00					
38.00-38.21	SPT S	50 (15,10 for 25mm/ 28,22 for 30mm)	5.70	0.00					
38.80-39.01	SPT S	50 (15,10 for 20mm/ 26,24 for 35mm)	03/08/2010 5.70 04/08/2010 5.70	1.30 0.80 0.800 1.35					
39.60-39.85	SPT S	50 (15,10 for 30mm/ 24,26 for 70mm)	5.70	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 45.64 m				

Groundwater Entries			Depth Related Remarks *		Chiselling		
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)							

Borehole Log



Drilled DP Logged EM Checked MT	Start 28/07/2010 End 04/08/2010	Equipment, Methods and Remarks Beretta T51 and mud puppy. Rotary open hole drilling using water flush. SPT hammer SM 27.	Depth from 0.00m to 5.70m Diameter 198mm Casing Depth 5.70m	Ground Level +1.91 mOD Coordinates E 647458.60 National Grid N 264207.26 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.58	SPT S	50 (15,10 for 25mm/ 43,7 for 5mm)	5.70	0.00	Very dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS)			
41.20-41.38	SPT S	50 (14,11 for 25mm/ 41,9 for 5mm)	5.70	0.00				
42.00-42.24	SPT S	50 (8,17/38,12 for 10mm)	5.70	0.00				
42.80-43.02	SPT S	50 (11,14 for 60mm/ 40,10 for 10mm)	5.70	0.00				
43.60-43.81	SPT S	50 (10,15 for 40mm/ 32,18 for 20mm)	5.70	0.00				
44.40-44.66	SPT S	50 (9,15/29,21 for 35mm)	5.70	0.00				
45.20-45.64	SPT S	50 (10,14/9,11,16,14 for 60mm)	5.70 04/08/2010 5.70	0.00 1.30		45.20-45.64 m Occasional pockets of firm brown sandy clay	45.64	-43.73
					EXPLORATORY HOLE ENDS AT 45.64 m			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MA Logged EM/ST Checked MT	Start 28/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 & Triplex pump Rotary open hole drilling using polymer/mud flush. SPT hammer SM26.	Depth from 0.00m to 47.25m Diameter 194mm Casing Depth 10.20m	Ground Level +2.09 mOD Coordinates E 647466.60 National Grid N 264065.74 Chainage
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Samples and Tests					Strata			Groundwater Entries		
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
0.10-0.50 0.10-0.50	D 1 B 2	0.00-1.20 m Hand excavated inspection pit.			Brown fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.99 (0.50)				
0.80-1.20 0.80-1.20	D 3 B 4		28/07/2010 1.20	dry 0800 dry	Light grey slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments and low cobble content. Gravel is angular to subangular fine to coarse of various lithologies including flint and concrete. Cobble are angular of concrete. (MADE GROUND)	0.60 +1.49 (0.60)				
			29/07/2010 1.20	dry	Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine to medium of various lithologies including flint. (MADE GROUND)	1.20 +0.89				
					ROTARY OPEN HOLE DRILLING. No samples recovered. Foreman reports sand, silty clay and peat. (Possible MADE GROUND / RECENT DEPOSITS)	(8.80)				
10.00-10.45 10.00-10.45	SPT S D 5	N=11 (1,1/2,3,3,3)	29/07/2010 5.25	0.00 0800	Plastic brown pseudo-fibrous PEAT with very soft grey slightly gravelly clayey silt. Gravel is subangular to subrounded fine to medium of flint. (RECENT DEPOSITS)	10.00 -7.91				
10.80-11.25 10.80-11.25	SPT S D 6	N=11 (1,2/3,2,3,3)	10.20	0.20		(1.60)				
11.60-12.05 11.60-12.05	SPT S D 7	N=16 (1,1/3,3,4,6)	10.20	0.20		11.60 -9.51				
12.40-12.64 12.40-12.64	SPT S D 8	3 (4,3/2,1 for 15mm)	30/07/2010 16.20	0.30 0800	Medium dense greenish grey slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(1.60)				
13.20-13.65 13.20-13.65	SPT S D 9	N=46 (4,6/10,9,12,15)	02/08/2010 16.20	0.00 0800	Very dense greenish grey slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	13.20 -11.11				
14.00-14.40 14.00-14.40	SPT S D 10	50 (6,9/13,14,16,7 for 25mm)	10.20	0.20		(3.20)				
14.80-15.12 14.80-15.12	SPT S D 11	50 (5,14/20,23,7 for 20mm)	10.20	0.00						
15.60-15.99 15.60-16.00	SPT S D 12	50 (5,8/9,15,21,5 for 15mm)	10.20 02/08/2010 16.20	0.00 0.20 0800						
16.40-16.73 16.40	SPT S D 13	50 (4,8/14,20,16 for 30mm)	03/08/2010 10.20	0.00 0800	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded of flint. (CRAG DEPOSITS)	16.40 -14.31				
17.20-17.52 17.20	SPT S D 14	50 (6,14/22,19,9 for 20mm)	10.20	0.00		(2.70)				
18.00-18.37 18.00	SPT S D 15	50 (5,8/12,18,20 for 70mm)	10.20	0.00						
18.80-19.10 18.80	SPT S D 16	50 (6,13/21,24,5 for 0mm)	10.20	0.00						
19.60-19.90 19.60	SPT S D 17	50 (7,16/21,29 for 70mm)	10.20	0.00	Very dense greenish grey slightly silty fine to coarse SAND with occasional fine to medium	19.10 -17.01				
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 40.40 m					

Groundwater Entries		Depth sealed (m)		Depth Related Remarks *		Chiselling		
No. Struck (m)	Post strike behaviour			From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)				1.20	10.00	Rotary open hole drilling.		

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Borehole
Scale 1:100	Project No. A0012-10	SPT 2009_12
(c) Soil Mechanics www.soil-mechanics.com	Carried out for NNB Generation Company Limited	Sheet 1 of 3

Borehole Log



Drilled MA Logged EM/ST Checked MT	Start 28/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 & Triplex pump Rotary open hole drilling using polymer/mud flush. SPT hammer SM26.	Depth from 0.00m to 47.25m Diameter 194mm Casing Depth 10.20m	Ground Level +2.09 mOD Coordinates E 647466.60 National Grid N 264065.74 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
20.40-20.74 20.40	SPT S D 18	50 (6,11/17,21,12 for 40mm)	10.20	0.00	gravel size shell fragments. (CRAG DEPOSITS)				
21.20-21.51 21.20	SPT S D 19	50 (6,11/18,24,8 for 5mm)	10.20	0.00					
22.00-22.19 22.00	SPT S D 20	50 (9,16 for 40mm/ 39,11 for 0mm)	03/08/2010	0.30					
22.80-23.06 22.80	SPT S D 21	50 (11,14 for 55mm/ 26,24 for 55mm)	10.20	0.00					
23.60-23.86 23.60	SPT S D 22	50 (9,16 for 65mm/ 24,26 for 45mm)	10.20	0.00					
24.40-24.62 24.40	SPT S D 23	50 (10,15 for 45mm/ 33,17 for 25mm)	10.20	0.00					
24.80-25.03	SPT S	50 (14,11 for 35mm/ 22,28 for 45mm)	10.20	0.00					
25.20-25.45 25.20	SPT S D 24	50 (10,15 for 65mm/ 30,20 for 35mm)	10.20	0.00					
26.00-26.24 26.00	SPT S D 25	50 (13,12 for 45mm/ 30,20 for 45mm)	10.20	0.00					
26.80-27.06 26.80	SPT S D 26	50 (9,16 for 55mm/ 27,23 for 55mm)	10.20	0.00					
27.60-27.84 27.60	SPT S D 27	50 (8,17 for 60mm/ 29,21 for 30mm)	10.20	0.00					
28.40-28.70 28.40	SPT S D 28	50 (10,15 for 65mm/ 20,23,7 for 10mm)	10.20	0.00					
29.20-29.42 29.20	SPT S D 29	50 (11,14 for 35mm/ 29,21 for 35mm)	10.20	0.00					
30.00-30.22 30.00	SPT S D 30	48 (11,14 for 45mm/ 34,14 for 25mm)	06/08/2010 10.20 07/08/2010	0.30 0.80 0.90					
30.80-31.05 30.80	SPT S D 31	50 (10,15 for 55mm/ 27,23 for 45mm)	10.20	0.00					
31.60-31.83 31.60	SPT S D 32	50 (5,8/40,10 for 5mm)	10.20	0.00					
32.20-32.41 32.40-32.63 32.40	SPT S D 33	50 (12,13 for 30mm/ 50,14,11 for 30mm/ 25,25 for 35mm)	10.20	0.00					
33.20	D 34								
34.00-34.20 34.00	SPT S D 35	50 (15,10 for 30mm/ 36,14 for 20mm)	10.20 07/08/2010 08/08/2010	0.00 0.40 0.80					
34.80	D 36								
35.60-35.80 35.60	SPT S D 37	50 (17,8 for 25mm/ 33,17 for 25mm)	10.20	0.00					
36.40-36.63 36.40	SPT S D 38	50 (14,11 for 30mm/ 28,22 for 50mm)	10.20	0.00					
37.20-37.39 37.20	SPT S D 39	50 (13,12 for 30mm/ 34,16 for 10mm)	10.20	0.00					
38.00-38.22 38.00	SPT S D 40	50 (11,14 for 40mm/ 27,23 for 30mm)	10.20	0.00					
38.80-39.05 38.80	SPT S D 41	50 (12,13 for 45mm/ 27,23 for 55mm)	08/08/2010 10.20 09/08/2010	0.50 0.80 0.60					
39.60-39.81 39.60	SPT S D 42	50 (12,13 for 35mm/ 35,15 for 25mm)	10.20	0.00					
Depth	Type & No	Records	Date Casing	Time Water		Stratum continues to 40.40 m			

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
None observed (see Key Sheet)								

Borehole Log



Drilled MA Logged EM/ST Checked MT	Start 28/07/2010 End 10/08/2010	Equipment, Methods and Remarks Beretta T51 & Triplex pump Rotary open hole drilling using polymer/mud flush. SPT hammer SM26.	Depth from 0.00m to 47.25m Diameter 194mm Casing Depth 10.20m	Ground Level +2.09 mOD Coordinates E 647466.60 National Grid N 264065.74 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 2)	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
40.40-40.65 40.40	SPT S D 43	50 (9,16 for 55mm/ 31,19 for 45mm)	10.20	0.00	Very dense greenish grey slightly silty fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	40.40 -38.31		
41.20-41.47 41.20	SPT S D 44	50 (14,11 for 55mm/ 22,28 for 65mm)	10.20	0.00				
42.00-42.23 42.00	SPT S D 45	50 (12,13 for 45mm/ 31,19 for 35mm)	10.20	0.00	Very dense greenish grey slightly silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded of flint. (CRAG DEPOSITS)	(5.00)		
42.80-43.01 42.80	SPT S D 46	50 (11,14 for 50mm/ 36,14 for 10mm)	10.20	0.00				
43.60-43.80 43.60	SPT S D 47	50 (12,13 for 40mm/ 41,9 for 10mm)	10.20	0.00				
44.40-44.63 44.40	SPT S D 48	50 (11,14 for 55mm/ 32,18 for 25mm)	10.20 09/08/2010	0.00 1.80	Very stiff thinly laminated dark grey CLAY. (LONDON CLAY)	45.40 -43.31		
45.20-45.40 45.20	SPT S D 49	50 (11,14 for 35mm/ 38,12 for 15mm)	10.20	0.00				
46.00-46.45 46.00	SPT S D 50	N=31 (4,5/7,7,10,7)	10.20	0.00				
46.80-47.25 46.80	SPT S D 51	N=31 (3,5/6,7,9,9)	10.20 10/08/2010	0.00		47.25 -45.16		
EXPLORATORY HOLE ENDS AT 47.25 m								

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MA	Start 14/09/2010	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (Geobor S) using polymer mud flush. (soda ash and EZ mud gold)			Depth from 0.00m	to 3.40m	Diameter 146mm	Casing Depth 3.00m	Ground Level +6.14 mOD		
Logged GA	End 15/09/2010				Coordinates E 647088.91 N 263724.51						
Checked MT					Chainage						
Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments	
		0.00-1.20 m Hand excavated inspection pit.			MACADAM. (MADE GROUND)			0.20 +5.94			
					CONCRETE. (MADE GROUND)			0.30 +5.84 (0.55)			
					Grey and brown SAND and GRAVEL. Gravel is angular fine to coarse of brick, quartzite, flint and granite. (MADE GROUND)			(2.55)			
3.40	SPFS	(4 for 6mm)	15/09/2010	1800 dry	Grey and brown gravelly SAND. Gravel is angular to subangular fine to coarse of flint, quartzite, granite and brick. (MADE GROUND)			3.40 +2.74			
					EXPLORATORY HOLE ENDS AT 3.40 m						
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments	
Groundwater Entries					Depth Related Remarks *					Chiselling	
No.	Struck	Post strike behaviour	Depth sealed (m)		From	to (m)		Depths (m)	Time	Tools used	
		None observed (see Key Sheet)			3.40		Possible steel obstruction borehole terminated.				
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole CPT 2009_6 RO Sheet 1 of 1	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:48:59											

Borehole Log



Drilled MA Logged GA Checked MT	Start 16/09/2010 End 16/09/2010	Equipment, Methods and Remarks Beretta T51 and triplex pump Rotary open hole drilling (Geobor S) using polymer mud flush. (soda ash and EZ mud gold)	Depth from 0.00m to 2.90m Diameter 146mm Casing Depth 2.90m	Ground Level +6.15 mOD Coordinates E 647088.96 National Grid N 263726.99 Chainage
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Samples and Tests					Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description					
		0.00-1.20 m Hand excavated inspection pit.			MACADAM. (MADE GROUND)			0.15 +6.00 0.25 +5.90 (0.95)		
					CONCRETE. (MADE GROUND)			1.20 +4.95		
			16/09/2010		Grey and brown SAND and GRAVEL. Gravel is angular fine to coarse of brick, quartzite, flint and granite. (MADE GROUND)			(1.70)		
					Grey and brown gravelly SAND. Gravel is angular to subangular fine to coarse of brick, quartzite, flint and granite. (MADE GROUND)			2.90 +3.25		
					EXPLORATORY HOLE ENDS AT 2.90 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 2.90 Possible steel obstruction borehole terminated.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled PJ Logged Checked MT		Start 25/11/2010 End 25/11/2010		Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig Sonic rotary core drilling (U86 size) using water flush.		Depth from 0.00m to 12.00m Diameter 114mm Casing Depth		Ground Level +7.44 mOD Coordinates E 647359.22 National Grid N 264330.76 Chainage		
Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.00-1.50	73 N/A N/A		*			Made ground / Concrete. (Foreman's description) (MADE GROUND)	(1.50)			
1.50-3.00	33 N/A N/A					Concrete. (Foreman's description) (MADE GROUND)	1.50 +5.94 (1.50)			
3.00-4.50	100 N/A N/A					Concrete / Timber. (Foreman's description) (MADE GROUND)	3.00 +4.44 (1.50)			
4.50-6.00	100 N/A N/A					Concrete. (Foreman's description) (MADE GROUND)	4.50 +2.94 (1.50)			
6.00-9.00	50 N/A N/A					Sand and gravel. (Foreman's description) (MADE GROUND)	6.00 +1.44 (3.00)			
9.00-12.00	100 N/A N/A					Sand and gravel / peat. (Foreman's description) (MADE GROUND)	9.00 -1.56 (3.00)			
25/11/2010						EXPLORATORY HOLE ENDS AT 12.00 m	12.00 -4.56			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water					
Groundwater Entries				Depth sealed (m)		Depth Related Remarks *		Chiselling		
No. Struck (m)	Post strike behaviour				From (m)	to (m)	Rotary drill-out for CPT test.	Depths (m)	Time	Tools used
None observed (see Key Sheet)										
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project		ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL		Borehole		
Scale 1:100				Project No.		SITE A0012-10		CPT 2009_19 RC		
(c) Soil Mechanics www.soil-mechanics.com				Carried out for		NNB Generation Company Limited		Sheet 1 of 1		

Borehole Log



Drilled PJ Logged NR Checked MT	Start 24/11/2010 End 24/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 12.00m Diameter 114mm Casing Depth	Ground Level +7.32 mOD Coordinates E 647442.63 National Grid N 264377.49 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.00-3.00	17 N/A N/A		*			TOPSOIL. Orange slightly clayey very gravelly fine to medium SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including concrete and quartzite. (MADE GROUND)	0.07 +7.25 (0.73) 0.80 +6.52 0.95 +6.37		
3.00-6.00	17 N/A N/A					Orange slightly clayey very sandy GRAVEL with high cobble content. Gravel is angular to rounded fine to coarse of mixed lithologies including quartzite and concrete. Cobbles are angular of concrete. (MADE GROUND)	(5.05)		
6.00-9.00	100 N/A N/A					CONCRETE. (Foreman's description) (MADE GROUND)	6.00 +1.32		
6.00-9.00	100 N/A N/A					SAND. (Foreman's description)	(3.00)		
9.00-12.00	100 N/A N/A					SAND SILT and clay. (Foreman's description)	9.00 -1.68		
9.00-12.00	100 N/A N/A			24/11/2010	dry	SAND SILT and clay. (Foreman's description)	(3.00)		
						EXPLORATORY HOLE ENDS AT 12.00 m	12.00 -4.68		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 0.00 12.00 Rotary drill-out for CPT test.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled PJ Logged Checked MT	Start 24/11/2010 End 24/11/2010	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 15.00m Diameter 114mm Casing Depth	Ground Level +8.48 mOD Coordinates E 647473.58 National Grid N 264377.89 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.00-3.00	50 N/A N/A					Made ground / sand. (Foreman's description) (MADE GROUND)	(3.00)		
3.00-6.00	50 N/A N/A					Sand. (Foreman's description) (Possible RECENT DEPOSITS)	3.00 +5.48 (6.00)		
6.00-7.50	100 N/A N/A					Sand / silty clay. (Foreman's description) (Possible RECENT DEPOSITS)	9.00 -0.52		
7.50-9.00	100 N/A N/A						(3.00)		
9.00-12.00	100 N/A N/A					Silty clay / peat. (Foreman's description) (RECENT DEPOSITS)	12.00 -3.52		
12.00-15.00	100 N/A N/A						(3.00)		
				24/11/2010	drv	EXPLORATORY HOLE ENDS AT 15.00 m	15.00 -6.52		

Groundwater Entries			Depth Related Remarks *			Chiselling		
No. Struck (m)	Post strike behaviour	Depth sealed (m)	From (m)	to (m)	Rotary drill-out for CPT test.	Depths (m)	Time	Tools used
None observed (see Key Sheet)								

Borehole Log



Drilled PJ Logged Checked MT	Start 08/12/2010 End -	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 9.00m Diameter 114mm Casing Depth	Ground Level +2.53 mOD Coordinates E 647235.80 National Grid N 263941.00 Chainage
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Samples and Tests						Strata			
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
0.00-3.00	67 N/A N/A		*			Made ground / sand and gravel. (Foreman's description) (MADE GROUND)	(3.00)		
3.00-6.00	100 N/A N/A					Sand and gravel. (Foreman's description) (Possible RECENT DEPOSITS)	3.00 (4.50)		
6.00-7.50	100 N/A N/A						7.50		
7.50-9.00	100 N/A N/A			08/12/2010		Sand / peat. (Foreman's description) (MADE GROUND)	(1.50)		
						EXPLORATORY HOLE ENDS AT 9.00 m	9.00		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From 0.00 to 9.00 Rotary drill-out for CPT test.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DD Logged JC Checked MT	Start 13/01/1120 End 13/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini Sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 15.00m Diameter 150mm Casing Depth 15.00m	Ground Level +3.27 mOD Coordinates E 647577.11 National Grid N 264186.96 Chainage
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Samples and Tests						Strata					
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.00-3.00	77 N/A N/A		0.00-1.20 m Hand excavated inspection pit.			Dark brown slightly clayey slightly gravelly SAND with occasional rootlets. Gravel is angular to subrounded fine to coarse of flint. (MADE GROUND)	0.30 (0.30) +2.97 (1.30)				
						Light yellowish brown slightly gravelly fine to medium SAND. (MADE GROUND)	1.60 +1.67 (1.40)				
						Light yellowish brown slightly gravelly to gravelly SAND. Gravel is fine to medium occasionally coarse subangular to rounded of flint. (MADE GROUND)	3.00 +0.27 (3.00)				
3.00-6.00	97 N/A N/A					Light yellowish brown very sandy GRAVEL. Gravel is angular to subrounded fine to coarse of flint. (Possible MADE GROUND)					
						Very soft blueish grey mottled black organic CLAY with rare rootlets. (RECENT DEPOSITS)	6.00 -2.73 6.12 -2.85 6.29 -3.02 6.38 -3.11 (1.12)				
6.00-7.50	100 N/A N/A					Firm dark brown and blueish grey laminated organic CLAY. Laminations are of peat. (RECENT DEPOSITS)	7.50 -4.23				
7.50-9.00	100 N/A N/A					Firm dark brown pseudo-fibrous PEAT. (RECENT DEPOSITS)					
9.00-10.50	100 N/A N/A					Very soft blueish grey organic CLAY. Strong organic odour present. (RECENT DEPOSITS)	(3.65)				
10.50-12.00	100 N/A N/A					Very soft blueish grey organic CLAY with occasional medium gravel size shell fragments. (RECENT DEPOSITS)					
12.00-13.50	87 N/A N/A					Firm black amorphous PEAT. (RECENT DEPOSITS)	11.15 -7.88 (1.05)				
						Very soft blueish grey organic CLAY with fine occasionally medium gravel size shell fragments. (RECENT DEPOSITS)	12.20 -8.93 12.45 -9.18 (0.75)				
13.50-15.00	100 N/A N/A					Firm black amorphous PEAT. (RECENT DEPOSITS)	13.20 -9.93 (0.80)				
						Grey fine to medium SAND. (CRAG DEPOSITS)	14.00 -10.73 14.35 -11.08 (0.65)				
				13/01/2011 15.00	dry	Greyish brown slightly gravelly SAND. Gravel is fine to medium subangular to subrounded of flint. (CRAG DEPOSITS)	15.00 -11.73				
						Orangish brown gravelly, locally slightly gravelly, SAND. Gravel is subangular to subrounded fine to coarse of flint. (CRAG DEPOSITS)					
						EXPLORATORY HOLE ENDS AT 15.00 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DD Logged JC Checked MT	Start 13/01/2011 End 13/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 12.00m Diameter 150mm Casing Depth 12.00m	Ground Level Coordinates +3.24 mOD E 647578.79 N 264238.07 Chainage
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Samples and Tests						Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description				
0.00-3.00	93 N/A N/A		0.00-1.20 m Hand excavated inspection pit.			Dark brown slightly clayey sandy GRAVEL with occasional rootlets. Gravel is subangular to rounded fine to coarse of flint. (MADE GROUND)	0.85 m 1 No subrounded cobble of flint	(0.35) 0.35 +2.89		
						Light yellowish brown slightly gravelly, locally gravelly, fine to medium SAND. Gravel is subangular to rounded fine to coarse of flint. (MADE GROUND)	1.00 m 1 No subangular cobble of flint	(1.90)		
						Light yellowish brown very gravelly SAND. Gravel is angular to subrounded fine to medium occasionally coarse of flint. (Possible MADE GROUND)	1.10 m gravelly 1.40-1.60 m NO RECOVERY 1.85 m 1 No subrounded cobble of flint	2.25 +0.99 (0.75)		
3.00-6.00	50 N/A N/A					Light yellowish brown very sandy GRAVEL. Gravel is fine to medium occasionally coarse of flint. (Possible MADE GROUND)	4.20-4.50 m slightly silty sand 4.50-5.55 m gravel is fine to coarse	(2.55)		
						Very soft brown mottled black organic CLAY with rare rootlets. Slight organic odour present. (RECENT DEPOSITS)	5.30 m pockets of black sand 5.35-5.75 m occasional pockets of fine to medium black sand	5.55 -2.31 5.80 -2.56 (0.85)		
6.00-7.50	53 N/A N/A					Very soft slightly blueish grey CLAY with occasional fine gravel size shell fragments. (RECENT DEPOSITS)	6.00-6.65 m NO RECOVERY	6.65 (0.31) -3.41 6.96 -3.72 7.15 -3.91		
7.50-9.00	95 N/A N/A					Plastic brown locally black clayey pseudo-fibrous PEAT. Strong organic odour present. (RECENT DEPOSITS)	7.40-7.50 m clayey fragments 7.50-7.57 m NO RECOVERY 8.00-8.15 m brown silty clay	7.50 (0.35) -4.26 (0.65)		
9.00-10.50	0 N/A N/A					Very soft bluish grey CLAY with occasional to frequent organic matter. Organic odour present. (RECENT DEPOSITS)	9.00-10.60 m NO RECOVERY	8.15 -4.91 (0.60)		
10.50-12.00	93 N/A N/A					Dark brown pseudo-fibrous PEAT. Strong organic odour present. (RECENT DEPOSITS)		8.75 -5.51		
12.00-13.50	100 N/A N/A					Soft to firm grey and brown locally laminated organic CLAY with occasional fine to medium grey sand horizons. Organic odour present. (RECENT DEPOSITS)		(1.85) 10.60 -7.36		
				13/01/2011	dry	Soft blueish grey slightly sandy organic CLAY with occasional fine to medium gravel size shell fragments and occasional locally frequent organic matter. Sand is fine. (RECENT DEPOSITS)		11.82 -8.58		
				12.00		Soft blueish grey silty CLAY with rare rootlets and fine occasionally medium gravel size shell fragments. (RECENT DEPOSITS)		(1.68)		
						Firm black amorphous PEAT. (RECENT DEPOSITS)				
						Light brown fine to coarse SAND. (CRAG DEPOSITS)				
						EXPLORATORY HOLE ENDS AT 13.50 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DD Logged JC Checked MT	Start 13/01/2011 End 13/01/2011	Equipment, Methods and Remarks DB320/10.08 Mini sonic rotary tracked rig. Sonic rotary core drilling (U86 size) using water flush.	Depth from 0.00m to 12.00m Diameter 150mm Casing Depth 12.00m	Ground Level +3.07 mOD Coordinates E 647581.81 National Grid N 264292.79 Chainage
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Samples and Tests						Strata				
Depth	TCR SCR ROD	If	Records/Samples	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.00-1.50	73 N/A N/A		0.00-1.20 m Hand excavated inspection pit.			SAND and GRAVEL. (Foreman's description) (MADE GROUND)	0.00-0.40 m NO RECOVERY (0.40) 0.40 +2.67 0.70 (0.30) +2.37 1.15 (0.45) +1.92			
1.50-3.00	83 N/A N/A					Brown gravelly SAND with rare rootlets. Gravel is subrounded to rounded fine to coarse of flint. (MADE GROUND)	1.50-1.75 m NO RECOVERY			
3.00-4.50	90 N/A N/A					Yellowish brown slightly gravelly SAND. Gravel is subrounded to rounded fine to coarse of flint. (MADE GROUND)	3.00-3.15 m NO RECOVERY (3.75)			
4.50-6.00	100 N/A N/A					Yellowish brown very sandy, locally sandy, GRAVEL with rare fine to coarse gravel size shell fragments. Gravel is subangular to rounded fine to coarse of flint. (Possible MADE GROUND)	4.50-4.80 m brown 4.60-4.95 m rare organic matter 4.80-4.90 m black discolouration of sand and gravel 6.00-6.35 m NO RECOVERY 4.90 -1.83 (0.80)			
6.00-7.50	77 N/A N/A					Firm dark brown slightly clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)	6.75-6.87 m spongy dark brown clayey pseudo-fibrous PEAT 7.04-7.16 m spongy dark brown clayey pseudo-fibrous PEAT 5.70 (0.30) -2.63 6.00 (0.35) -2.93 6.35 (0.35) -3.28 (1.60)			
7.50-9.00	100 N/A N/A					CLAY. (Foreman's description) (Possible RECENT DEPOSITS)	7.04-7.16 m spongy dark brown clayey pseudo-fibrous PEAT 7.95 -4.88			
9.00-10.50	63 N/A N/A					Soft grey slightly silty CLAY with occasional organic matter. Slight organic odour present. (RECENT DEPOSITS)	8.00 m 1 No whole shell 9.00-9.55 m NO RECOVERY (1.05) 9.00 -5.93 (0.55) 9.55 -6.48			
10.50-12.00	100 N/A N/A					Soft grey CLAY with rare fine gravel size shell fragments. (RECENT DEPOSITS)	10.35 -7.28 (0.80) 10.35 (0.60) -7.28 10.95 (0.40) -7.88 11.35 (0.30) -8.28 11.65 (0.35) -8.58 12.00 (0.35) -8.93			
12.00-13.50	97 N/A N/A					Brownish grey SAND. (Possible CRAG DEPOSITS)	12.00-12.05 m NO RECOVERY 12.34-12.45 m orange brown sand (0.90) 12.90 -9.83			
				13/01/2011 12:00	dry	Brownish grey slightly gravelly SAND. Gravel is subrounded to rounded fine to coarse of flint. (Possible CRAG DEPOSITS)	13.50 -10.43 (0.60)			
						Brownish grey SAND. (Possible CRAG DEPOSITS)				
						Greyish brown SAND with occasional fine to medium gravel size shell fragments. (Possible CRAG DEPOSITS)				
						Brown SAND. (Possible CRAG DEPOSITS)				
						Orange brown slightly gravelly SAND. Gravel is subrounded coarse of flint. (Possible CRAG DEPOSITS)				
						EXPLORATORY HOLE ENDS AT 13.50 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled DC Logged EM Checked MT	Start 07/10/2010 End 11/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 19.00m	Ground Level +1.32 mOD Coordinates E 647313.42 National Grid N 264214.66 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown clayey fine to medium SAND with fine to medium gravel size shell fragments. (TOPSOIL)		0.10 +1.22		
0.40-0.80	B 2								
1.00	W 3								
1.50-2.00	B 4				Very loose orangish brown slightly clayey slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to coarse of various lithologies including claystone and flint. (Possibly RECENT DEPOSITS)		(3.80)		
2.50-2.95	SPT S	N=0 (1,0/-,-,-,-)	2.50	0.50					
2.50-3.00	D 5								
2.50-3.00	B 6								
3.50-4.00	B 7								
3.90	D 8								
4.50-5.00	B 9		07/10/2010 4.50 11/10/2010	2.10 0800 2.40 4.50 2.90	Spongy brown pseudo-fibrous PEAT with horizons of soft grey silty clay. (RECENT DEPOSITS)		3.90 -2.58		
5.00-5.45	SPT S	N=3 (1,0/1,0,1,1)							
5.00-5.45	D 10								
5.00-5.45	B 11						(3.50)		
6.00-6.45	SPT S	N=7 (1,1/2,1,2,2)	5.80	3.10					
6.00-6.45	D 12								
6.00-6.45	B 13				6.00 m becoming black				
7.00-7.45	SPT S	N=12 (1,2/2,4,3,3)	6.10	3.40					
7.00-7.45	D 14								
7.00-7.45	B 15								
7.40	D 16								
7.40	W 16A								
8.00-8.45	SPT S	N=16 (1,2/4,3,4,5)	8.00	0.00	Medium dense grey slightly silty slightly clayey fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)		7.40 -6.08		
8.00-8.45	D 17								
8.00-8.45	B 18				7.40 m becoming amorphous 7.40 m very clayey				
9.00-9.45	SPT S	N=4 (1,0/1,1,1,1)	9.00	0.00					
9.00-9.45	D 19								
9.00-9.45	B 20								
10.00-10.45	SPT S	N=20 (3,3/4,4,6,6)	10.00	0.00					
10.00-10.45	D 21								
10.00-10.45	B 22								
11.00-11.45	SPT S	N=22 (2,3/4,4,6,8)	11.00	0.00					
11.00-11.45	D 23								
11.00-11.45	B 24								
12.00-12.45	SPT S	N=18 (1,2/3,4,5,6)	12.00	0.00					
12.00-12.45	D 25								
12.00-12.45	B 26								
13.00-13.45	SPT S	N=18 (1,2/4,4,5,5)	13.00	0.00					
13.00-13.45	D 27								
13.00-13.45	B 28								
14.00-14.45	SPT S	N=18 (1,2/4,4,5,5)	14.00	0.00					
14.00-14.45	D 29								
14.00-14.45	B 30						(13.05)		
15.00-15.45	SPT S	N=16 (2,2/3,4,4,5)	15.00	0.00					
15.00-15.45	D 31								
15.00-15.45	B 32								
16.00-16.50	B 33								
17.00-17.45	SPT S	N=16 (2,3/4,4,4,4)	17.00	0.00					
17.00-17.45	D 34								
17.00-17.45	B 35								
18.00-18.50	B 36								
19.00-19.45	SPT S	N=19 (1,2/4,5,4,6)	19.00	0.00					
19.00-19.45	D 37								
19.00-19.45	B 38								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 20.45 m				

Groundwater Entries				Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Depths (m)	Time	Tools used
1	1.00	Rose to 0.80 m after 20 minutes. Slow inflow	-	1.20	3.90			Water added.
2	7.40	Rose to 2.50 m after 20 minutes. Slow inflow	-					

Borehole Log



Drilled DC Logged EM Checked MT	Start 07/10/2010 End 11/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 19.00m	Ground Level +1.32 mOD Coordinates E 647313.42 National Grid N 264214.66 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.00-20.45	D 39		11/10/2010 20.45	0.00	Medium dense grey slightly silty slightly clayey fine to coarse SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS) EXPLORATORY HOLE ENDS AT 20.45 m	20.45 -19.13		

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:50:37	Project Project No. Carried out for	ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 NNB Generation Company Limited	Borehole GEO3 BH1 Sheet 2 of 2
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Borehole Log



Drilled DC Logged EM Checked MT	Start 12/10/2010 End 13/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 20.00m	Ground Level +1.67 mOD Coordinates E 647395.31 National Grid N 264077.40 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL.		0.10 +1.57		
0.50-1.00	B 2				Brown slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of various lithologies including flint.		(0.90)		
1.20-1.70	B 3				(MADE GROUND)		1.00 +0.67		
1.60	D 4						(0.60)		
2.50-2.95	SPT S	N=16 (2,2/3,3,4,6)	2.50	1.00	CONCRETE recovered as subangular to subrounded fine to coarse GRAVEL.		1.60 +0.07		
2.50-2.95	D 5				(MADE GROUND)				
2.50-2.95	B 6				Medium dense brown slightly clayey very gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of various lithologies including flint.		(3.70)		
3.50-4.00	B 7				(Possibly MADE GROUND)				
4.50-5.00	B 8								
5.00-5.60	SPT S	N=4 (/1,1,1,1)	4.60	4.00	Plastic brown silty clayey pseudo-fibrous PEAT.		5.30 -3.63		
5.00-5.60	B 10	SW=300			(RECENT DEPOSITS)		(0.70)		
5.00-5.60	D 9						6.00 -4.33		
5.30	D 11								
6.00-6.70	SPT S	N=1 (/1,0,0,0)	5.80	3.50	Very soft grey silty CLAY with frequent plant debris present. Organic odour present.		(1.65)		
6.00-6.70	D 12	SW=400			(RECENT DEPOSITS)				
6.00-6.70	B 13								
7.00-7.65	SPT S	N=3 (/1,1,0,1)	6.90	4.00	Plastic brown silty clayey pseudo-fibrous PEAT.		7.65 -5.98		
7.00-7.65	D 14	SW=350			(RECENT DEPOSITS)				
7.00-7.65	B 15								
8.00-8.45	SPT S	N=1 (1,0/0,0,0,1)	7.60	5.30	Plastic brown silty clayey pseudo-fibrous PEAT.				
8.00-8.45	D 16				(RECENT DEPOSITS)				
8.00-8.45	B 17								
9.00-9.75	SPT S	N=4 (/1,1,1,1)	8.90	6.20					
9.00-9.75	D 18	SW=450							
9.00-9.75	B 19								
10.00-10.50	SPT S	N=4 (/1,1,1,1)	9.10	7.50					
10.00-10.50	D 20	SW=200							
10.00-10.50	B 21				10.00 m becoming black		(4.85)		
11.00-11.45	SPT S	N=6 (1,1/2,1,2,1)	10.00	8.20					
11.00-11.45	D 22				11.00-11.45 m black amorphous peat				
11.00-11.45	B 23								
12.00-12.55	SPT S	N=5 (/1,1,2,1)	10.80	10.20					
12.00-12.55	D 24	SW=250							
12.00-12.55	B 25								
12.50	W 26								
12.50	D 27								
13.00-13.45	SPT S	N=15 (1,2/3,4,4,4)	13.00	0.00	Medium dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments.		12.50 -10.83		
13.00-13.45	D 28				(CRAG DEPOSITS)				
13.00-13.45	B 29								
14.00-14.45	SPT S	N=20 (2,3/3,4,5,8)	14.00	0.00					
14.00-14.45	D 30								
14.00-14.45	B 31								
15.00-15.45	SPT S	N=33 (3,6/8,8,8,9)	15.00	0.00					
15.00-15.45	D 32		12/10/2010	0.00					
15.00-15.45	D 33		15.10	0800	15.00 m occasional shell fragments				
			13/10/2010	0800					
			15.10	3.30					
16.00-16.50	B 34						(7.95)		
17.00-17.45	SPT S	N=32 (2,4/4,8,10,10)	17.00	0.00					
17.00-17.45	D 35								
17.00-17.50	B 36								
18.00-18.50	B 37								
19.00-19.45	SPT S	N=31 (2,4/6,6,8,11)	19.00	0.00					
19.00-19.45	D 38								
19.00-19.45	B 39								
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 20.45 m				

Groundwater Entries			Depth Related Remarks *		Chiselling			
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From (m)	to (m)	Depths (m)	Time	Tools used
1	1.00	Rose to 0.80 m after 20 minutes. Slow inflow	-	15.45	20.00	1.20 -1.60	90 mins	
2	12.50	Rose to 4.60 m after 20 minutes.	-					

Borehole Log



Drilled DC Logged EM Checked MT	Start 12/10/2010 End 13/10/2010	Equipment, Methods and Remarks Dando 3000 Cable percussion boring.	Depth from 0.00m to 20.45m Diameter 200mm Casing Depth 20.00m	Ground Level +1.67 mOD Coordinates E 647395.31 National Grid N 264077.40 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments
20.00-20.45	SPT S	N=22 (2,4/4,5,6,7)	20.00	0.00	Medium dense grey slightly silty fine to coarse SAND with rare fine to medium gravel size shell fragments. (CRAG DEPOSITS) EXPLORATORY HOLE ENDS AT 20.45 m	20.45 -18.78		
20.00-20.45	D 40		13/10/2010	0.00				

Groundwater Entries No. Struck Post strike behaviour (m)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GEO3 BH2 Sheet 2 of 2
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Borehole Log



Drilled MR Logged EM Checked MT	Start 12/10/2010 End 12/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 4.00m Diameter 200mm Casing Depth 4.00m	Ground Level +13.08 mOD Coordinates E 645203.79 National Grid N 263772.72 Chainage
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Samples and Tests				Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly clayey fine to medium SAND with rare rootlets. (MADE GROUND)	(1.30)			
0.80	D 2								
1.20	D 3								
2.20	D 4				Brown slightly clayey fine to medium SAND with rare rootlets. 1 No subangular cobble of red brick and 1 piece of plastic. (MADE GROUND)	1.30 +11.78 (1.70)			
3.20	D 5				Firm orangish brown sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse of various lithologies. (MADE GROUND)	3.00 +10.08 (0.50)			
4.00	D 6		12/10/2010	dry	Orangish brown very clayey SAND. (Possibly MADE GROUND) EXPLORATORY HOLE ENDS AT 4.00 m	3.50 +9.58 (0.50) 4.00 +9.08		SP	

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged EM Checked MT		Start 05/10/2010 End 11/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 16.00m Diameter 200mm Casing Depth 16.00m		Ground Level +13.19 mOD Coordinates E 645203.71 National Grid N 263771.17 Chainage			
Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments			
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty slightly gravelly fine SAND with rare rootlets and fragments of plastic. Gravel is subangular fine to medium of flint. (MADE GROUND)	(0.50)					
0.80	D 2					0.50 +12.69					
1.20	D 3		05/10/2010 1.20	dry 0800			0.80 +12.39				
2.20	D 4				Brown slightly silty slightly gravelly fine SAND. Gravel is subangular fine to coarse of flint and sandstone. (MADE GROUND)	(3.40)					
3.20	D 5										
4.20	D 6				Stiff orangish brown sandy slightly gravelly CLAY. Gravel is fine to medium subangular of various lithologies including flint and chalk. (MADE GROUND)	4.20 +8.99					
5.20	D 7										
6.20	D 8				Orangish brown slightly silty slightly gravelly fine to medium SAND. Gravel is subrounded fine of chalk. (CRAG DEPOSITS)	(11.80)					
7.20	D 9										
8.20	D 10										
9.20	D 11										
10.00	D 12		06/10/2010 10.00	9.50 0800 dry							
11.00	D 13										
12.00	D 14		07/10/2010 12.00	11.00 0800							
13.00	D 15		11/10/2010 12.00	11.00							
14.00	D 16										
15.00	D 17										
16.00	D 18		11/10/2010 16.00	13.00	EXPLORATORY HOLE ENDS AT 16.00 m	16.00 -2.81			SP		
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *		Chiselling		
					No. Struck (m)	Post strike behaviour	Depth sealed (m)	From to (m)	Depths (m)	Time	Tools used
					None observed (see Key Sheet)				1.70 -1.80	30 mins	
									4.00 -4.20	45 mins	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW1D Sheet 1 of 1	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14.53:45											

Borehole Log



Drilled MR Logged EM Checked MT		Start 13/10/2010 End 15/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 16.00m Diameter 200mm Casing Depth 16.00m		Ground Level +13.07 mOD Coordinates E 645268.80 National Grid N 263831.03 Chainage				
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments				
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly gravelly fine to medium SAND with rare rootlets. Gravel is subangular fine to coarse of flint. (RECENT DEPOSITS)	(0.80)						
0.80	D 2					0.80 +12.27						
1.20	D 3											
1.70	D 4				Brown slightly silty fine to medium SAND. (CRAG DEPOSITS)	(2.60)						
2.70	D 5											
3.70	D 6		13/10/2010 4.00	3.20 0800	Brown slightly silty very gravelly fine to coarse SAND. Gravel is subangular fine to medium of various lithologies including flint. (CRAG DEPOSITS)	3.40 +9.67 3.60 +9.47						
4.70	D 7		14/10/2010 4.00	0800 2.60								
5.70	D 8				Orangish brown slightly clayey fine to coarse SAND. (CRAG DEPOSITS)							
6.70	D 9					(6.10)						
7.70	D 10											
8.70	D 11											
9.70	D 12				Orangish brown slightly clayey slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to medium of various lithologies including flint and sandstone. (CRAG DEPOSITS)	9.70 +3.37						
10.70	D 13											
11.70	D 14		14/10/2010 12.00	0800 11.00		(5.00)						
12.70	D 15		15/10/2010 12.00									
13.70	D 16											
14.70	D 17				Orangish brown slightly clayey fine to coarse SAND. (CRAG DEPOSITS)	14.70 -1.63						
15.70	D 18		15/10/2010 16.00	13.00		(1.30)						
					EXPLORATORY HOLE ENDS AT 16.00 m	16.00 -2.93			SP			
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *					
					No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Chiselling Depths (m)	Time	Tools used
					None observed (see Key Sheet)							

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.
Scale 1:100
(c) Soil Mechanics www.soil-mechanics.com
40824 21/02/2011 14:53:48

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL
SITE A0012-10
Project No. NNB Generation Company Limited
Carried out for

Borehole GW2
Sheet 1 of 1

Borehole Log



Drilled MR Logged EM Checked MT		Start 01/10/2010 End 03/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 14.00m Diameter 200mm Casing Depth 14.00m		Ground Level +10.51 mOD Coordinates E 645663.76 National Grid N 264143.46 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Sandy TOPSOIL.	0.20 +10.31								
0.70	D 2				Brown fine SAND with rare rootlets. (RECENT DEPOSITS)	(0.50)								
1.20	D 3				Orangish brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine of flint and claystone. (CRAG DEPOSITS)	0.70 +9.81								
2.20	D 4													
3.20	D 5													
4.20	D 6													
5.20	D 7													
6.20	D 8													
7.20	D 9													
8.20	D 10			01/10/2010 7.60		6.70 0800								
9.20	D 11													
10.20	D 12													
11.20	D 13													
12.20	D 14			02/10/2010 12.00		10.50 0800								
13.20	D 15			03/10/2010 12.00		8.90								
			03/10/2010 14.00	10.20	EXPLORATORY HOLE ENDS AT 14.00 m	14.00 -3.49			SP					
Depth	Type & No	Records	Date Casing	Time Water										
Groundwater Entries No. Struck Post strike behaviour (m)					Depth sealed (m)		Depth Related Remarks *							
None observed (see Key Sheet)							Chiselling Depths (m) Time Tools used							
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW3 Sheet 1 of 1				
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:53:50														

Borehole Log



Drilled MR Logged EM Checked MT	Start 17/10/2010 End 17/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.70m Diameter 200mm Casing Depth 10.70m	Ground Level +7.17 mOD Coordinates E 646261.56 National Grid N 264492.19 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Sandy TOPSOIL. (Foreman's description)	0.20 +6.97		
0.80	D 2				Orangish brown slightly silty fine to medium SAND. (CRAG DEPOSITS)	(10.50)		
1.20	D 3							
2.20	D 4							
3.20	D 5							
4.20	D 6							
5.50	D 7							
6.20	D 8							
7.20	D 9							
8.20	D 10							
9.20	D 11							
			17/10/2010					
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW4 Sheet 1 of 1				
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:53:52								

Borehole Log



Drilled MR Logged GA Checked MT	Start 16/09/2010 End 16/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 20.00m	Ground Level +7.04 mOD Coordinates E 646845.74 National Grid N 264688.38 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.30	D 1				TOPSOIL.		0.10 +6.94 (0.70)		
0.80	D 2				Brown fine SAND with occasional wood fragments less than 30mm in size.		0.80 +6.24		
1.20	D 3				(MADE GROUND)				
1.70	D 4				Light brown and orangish brown slightly silty slightly gravelly fine to medium SAND with rare fine gravel size shell fragments from 1.70m. Gravel is angular to subrounded fine to coarse of flint and rare quartz.				
2.70	D 5				(CRAG DEPOSITS)				
3.70	D 6								
4.70	D 7						(8.90)		
5.70	D 8								
7.70	D 9		16/09/2010	5.00					
			17/09/2010	0800					
			7.70	7.70					
8.70	D 10				8.70 m soft orangish brown slightly gravelly sandy clay				
9.70	D 11				Orangish brown slightly silty slightly gravelly fine SAND. Gravel is subangular to subrounded fine to medium of claystone.		9.70 -2.67		
10.70	D 12				(CRAG DEPOSITS)		(2.00)		
11.70	D 13				Orangish brown slightly silty gravelly fine SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to medium of claystone.		11.70 -4.67		
12.70	D 14				(CRAG DEPOSITS)				
13.70	D 15								
14.70	D 16								
15.70	D 17						(8.30)		
16.70	D 18								
17.70	D 19								
18.70	D 20								
19.70	D 21		17/09/2010						
					EXPLORATORY HOLE ENDS AT 20.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR	Start 28/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion open hole boring.			Depth from 0.00m	to 11.50m	Diameter 200mm	Casing Depth 11.50m	Ground Level +7.00 mOD	
Logged GA	End 28/09/2010								Coordinates E 646845.25	
Checked MT									National Grid N 264689.72	
									Chainage	
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
		0.00-1.20 m Hand excavated inspection pit.			OPEN HOLE BORING. No samples recovered. See GW5 strata from 0.00-0.10m. (TOPSOIL)			0.10 +6.90 (0.70)		
					OPEN HOLE BORING. No samples recovered. See GW5 strata from 0.10-0.80m. (MADE GROUND)			0.80 +6.20		
					OPEN HOLE BORING. No samples recovered. See GW5 strata from 0.80-9.70m (CRAG DEPOSITS)			(8.90)		
					OPEN HOLE BORING. No samples recovered. See GW5 strata from 9.70-11.50m. (CRAG DEPOSITS)			9.70 -2.70 (1.80)		
			28/09/2010	6.40	EXPLORATORY HOLE ENDS AT 11.50 m			11.50 -4.50		SP
			11.50							
Depth	Type & No	Records	Date Casing	Time Water						
Groundwater Entries					Depth Related Remarks *			Chiselling		
No.	Struck	Post strike behaviour	Depth sealed		From			Depths (m)		
			(m)		to (m)			Time	Tools used	
None observed (see Key Sheet)										
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW5A Sheet 1 of 1		
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:53:55										

Borehole Log



Drilled MR Logged EM Checked MT	Start 03/10/2010 End 03/10/2010	Equipment, Methods and Remarks Dando 2000 Cale percussion boring.	Depth from 0.00m to 5.00m Diameter 200mm Casing Depth 5.00m	Ground Level +0.70 mOD Coordinates E 647287.82 National Grid N 264395.34 Chainage
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Samples and Tests					Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description					
0.30 0.60	D 1 D 2	0.00-1.20 m Hand excavated inspection pit.			Sandy TOPSOIL. (Foreman's description)			0.20 +0.50		
1.20	D 3				Brown sandy angular to subangular fine to coarse GRAVEL of various lithologies including flint and granite. (Possibly MADE GROUND)			(4.50)		
2.20	D 4									
3.20	D 5									
4.20	D 6									
			03/10/2010	0.20	PEAT. (Foreman's description) (RECENT DEPOSITS)			4.70 -4.00 5.00 -4.30		SP
					EXPLORATORY HOLE ENDS AT 5.00 m					

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged ST Checked MT	Start 18/09/2010 End 18/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 1.20m Diameter 200mm Casing Depth	Ground Level +0.75 mOD Coordinates E 647288.93 National Grid N 264397.44 Chainage				
Samples and Tests			Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.	18/09/2010		Brown silty fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +0.65		
0.70	D 2			(0.40)				
				0.50 +0.25				
1.20	D 3				Orange brown slightly silty slightly gravelly fine to coarse SAND with occasional fine gravel size shell fragments. Gravel is angular to subrounded fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	(0.70)		
					Dark grey silty slightly gravelly fine to coarse SAND with occasional fine gravel size shell fragments. Gravel is angular to subangular fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	1.20 -0.45		
EXPLORATORY HOLE ENDS AT 1.20 m								
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 1.20 Borehole terminated due to obstruction.		Chiselling Depths (m) Time Tools used		
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW6D Sheet 1 of 1				
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:53:57								

Borehole Log



Drilled MR Logged EM Checked MT		Start 18/09/2010 End 18/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 20.00m		Ground Level +0.71 mOD Coordinates E 647288.22 National Grid N 264396.09 Chainage	
Samples and Tests				Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
		0.00-1.20 m Hand excavated inspection pit.			Brown silty fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.20 +0.51 0.50 (0.30) +0.21 (0.70)			
1.70	D 4				Orange brown slightly silty gravelly fine to coarse SAND with occasional fine to coarse gravel size shell fragments. Gravel is angular to subrounded fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	1.20 -0.49			
2.70	D 5				Dark grey silty slightly gravelly fine to coarse SAND with occasional fine gravel size shell fragments. Gravel is angular to subangular fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	(3.70)			
3.70	D 6				Dark grey silty slightly gravelly fine to coarse SAND with occasional fine gravel size shell fragments. Gravel is angular to subangular fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	4.90 -4.19			
5.70	D 8		18/09/2010		Brown sandy subangular to subrounded fine to coarse GRAVEL of mixed lithologies including flint and quartz.	(1.10)			
6.50	D 9		19/09/2010 6.00	0800 1.00	Sand is fine to coarse. Foreman reports cobbles of flint and concrete. (MADE GROUND)	6.00 -5.29			
7.50	D 10				Plastic brown amorphous PEAT. (RECENT DEPOSITS)				
8.50	D 11				Brown slightly silty fine to coarse SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)				
9.50	D 12								
10.50	D 13								
11.50	D 14								
12.50	D 15					(14.00)			
13.50	D 16								
14.50	D 17								
15.50	D 18								
16.50	D 19								
17.50	D 20								
18.50	D 21								
19.50	D 22								
			19/09/2010	2.40	EXPLORATORY HOLE ENDS AT 20.00 m				
Groundwater Entries		No. Struck Post strike behaviour (m)		Depth sealed (m)		Depth Related Remarks *		Chiselling Depths (m) Time Tools used	
None observed (see Key Sheet)								1.90 -2.00 15 mins	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. A0012-10 Carried out for NNB Generation Company Limited			Borehole GW6DA Sheet 1 of 1			
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:53:58									

Borehole Log



Drilled MR Logged GA/EM Checked MT		Start 26/07/2010 End 27/07/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m 7.60m		to 7.60m 10.50m		Diameter 200mm 150mm		Casing Depth 7.60m 9.20m		Ground Level Coordinates National Grid Chainage		+1.89 mOD E 647244.93 N 264293.32	
Samples and Tests					Strata												
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level (Thickness)	Legend	Backfill/ Instruments					
0.10	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly gravelly fine to medium SAND with rare rootlets. Gravel is subangular fine to coarse of mixed lithologies including flint and quartz. (MADE GROUND)					(1.60)							
1.10	D 2				Orangish brown very sandy GRAVEL. Gravel is subangular to rounded fine to medium of mixed lithologies including flint and quartz. (MADE GROUND)					1.60	+0.29						
1.60	D 3																
2.00	D 4				6.00-7.00 m becoming slightly sandy					(5.40)							
3.00	D 5																
4.00	D 6																
5.00	D 7				Plastic brown clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)					7.00	-5.11						
6.00	D 8																
7.00	D 9		26/07/2010	0.00	Light brownish grey slightly silty fine to medium SAND. (CRAG DEPOSITS)					(0.80)							
7.40			0800														
7.80	D 10		27/07/2010	1.60													
8.00			7.40		EXPLORATORY HOLE ENDS AT 10.50 m					7.80	-5.91						
9.00	D 11																
10.50	D 12		27/07/2010	9.20						10.50	-8.61						
Groundwater Entries		No. Struck Post strike behaviour		Depth sealed		Depth Related Remarks *					Chiselling		Depths (m) Time Tools used				
None observed (see Key Sheet)				(m)		From to (m) 0.00 7.40 Water added to assist boring. 6.60 7.60 Bentonite seal added for clean drilling purposes.											
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project		ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole		GW7					
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:54:01			Project No.		SITE A0012-10					Sheet 1 of 1							
			Carried out for		NNB Generation Company Limited												

Borehole Log



Drilled MR Logged EM Checked MT		Start 08/12/2010 End 09/12/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 15.70m Diameter 200mm Casing Depth 15.00m		Ground Level +7.27 mOD Coordinates E 647469.72 National Grid N 264355.19 Chainage	
Samples and Tests				Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)	0.10 +7.17 0.30 +6.97			
0.80	D 2				Orangish brown slightly clayey SAND with rare fine gravel size shell fragments and rare rootlets. (MADE GROUND)	(0.90)			
1.00	D 3					1.20 +6.07			
2.00	D 4				Light brown slightly clayey slightly gravelly SAND. Gravel is subangular fine to coarse of various lithologies including sandstone. (MADE GROUND)	(3.70)			
3.00	D 5								
4.00	D 6				Brown very sandy subangular to subrounded fine to coarse GRAVEL of various lithologies including flint and quartzite. (MADE GROUND)	(1.30)			
5.00	D 7					4.90 +2.37			
6.00	D 8				Brown sandy subangular to subrounded fine to coarse GRAVEL of various lithologies including flint and quartzite. (MADE GROUND)	(1.30)			
6.00	D 8					6.20 +1.07			
7.00	D 9				Grey slightly gravelly SAND with rare fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to medium of various lithologies including flint and quartzite. (MADE GROUND)	(4.60)			
8.00	D 10								
9.00	D 11		08/12/2010 6.50 09/12/2010 0800 09/12/2010 6.40 9.00						
10.00	D 12							SP	
11.00	D 13				Soft to very soft grey silty CLAY with frequent organic matter. (RECENT DEPOSITS)	10.80 -3.53			
12.00	D 14					(2.20)			
13.00	D 15				Plastic brown clayey amorphous PEAT. (RECENT DEPOSITS)	13.00 -5.73			
14.00	D 16					(2.40)			
15.00	D 17								
			09/12/2010 6.20 15.00		Foreman reports grey SAND. (RECENT DEPOSITS)	15.40 -8.13 15.70 -8.43			
EXPLORATORY HOLE ENDS AT 15.70 m									
Depth	Type & No	Records	Date Casing	Time Water					
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used		
None observed (see Key Sheet)									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole GW8 Sheet 1 of 1			
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:54:03									

Borehole Log



Drilled MR Logged JR Checked MT	Start 04/09/2010 End 05/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion open hole boring.	Depth from 1.20m to 6.20m Diameter 200mm Casing Depth 6.20m	Ground Level +3.05 mOD Coordinates E 647592.37 National Grid N 264454.95 Chainage
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Samples and Tests					Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description					
		0.00-1.20 m Hand excavated inspection pit.			OPEN HOLE BORING. No samples recovered. See GW9D strata from 0.00-0.30m. (MADE GROUND)		0.20 +2.85 (1.00)			
					OPEN HOLE BORING. No samples recovered. See GW9D strata from 0.20-1.20m. (MADE GROUND)		1.20 +1.85			
			04/09/2010		OPEN HOLE BORING. No samples recovered. See GW9D strata from 1.20-4.70m. (RECENT DEPOSITS)		(3.50)			
			05/09/2010	0800	OPEN HOLE BORING. No samples recovered. See GW9D strata from 4.70-6.20m.. (RECENT DEPOSITS)		4.70 -1.65 (1.30)			
			05/09/2010		OPEN HOLE BORING. No samples recovered See GW9D strata from 6.20-10.20m. (RECENT DEPOSITS) EXPLORATORY HOLE ENDS AT 6.20 m		6.00 -2.95 6.20 -3.15			SP

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged ST/EM Checked MT	Start 02/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 9.00m	Diameter 200mm	Casing Depth 9.00m	Ground Level +3.06 mOD Coordinates E 647592.49 National Grid N 264455.96 Chainage
	End 03/09/2010		Depth to 9.00m to 20.00m	Diameter 150mm	Casing Depth 20.00m	Chainage

Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Dark brown fine to medium SAND with frequent rootlets. (MADE GROUND)		0.30 (0.30) +2.76		
0.70	D 2				0.50 (0.70) +2.56				
1.50	D 3				Grey sandy angular to rounded fine to medium GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (MADE GROUND)		1.20 (0.70) +1.86		
2.50	D 4				Yellow gravelly fine to coarse SAND. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (Possibly MADE GROUND)		(3.50)		
3.50	D 5				Multicoloured slightly sandy subangular to subrounded fine to coarse GRAVEL of mixed lithologies including flint and quartz. (Possibly RECENT DEPOSITS)		4.70 (1.50) -1.64		
4.50	D 6				Dark grey slightly sandy subangular to rounded fine to coarse GRAVEL of mixed lithologies including flint and quartz. Sand is fine to coarse. (Possibly RECENT DEPOSITS)		6.20 (1.30) -3.14		
5.50	D 7				Very soft grey slightly gravelly CLAY with occasional pockets of plastic brown amorphous peat. Gravel is subangular to subrounded fine of flint. (RECENT DEPOSITS)		7.20 (4.00) -2.78		
6.20	D 8								
7.20	D 9		02/09/2010 7.20	2.00					
8.20	D 10		03/09/2010 7.20	0800					
9.20	D 11								
10.20	D 12				Firm black clayey amorphous PEAT. (RECENT DEPOSITS)		10.20 (1.30) -7.14		
11.20	D 13								
12.20	D 14				Grey silty slightly gravelly fine to coarse SAND with rare fine to medium gravel size shell fragments. Gravel is subangular fine of mixed lithologies including flint. (CRAG DEPOSITS)		11.50 (8.50) -8.44		
13.20	D 15								
14.20	D 16								
15.20	D 17								
16.20	D 18								
17.20	D 19								
18.20	D 20								
19.20	D 21								
			03/09/2010		EXPLORATORY HOLE ENDS AT 20.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From 4.20 to 6.20 Re-drill borehole due to collapse.	Chiselling Depths (m) Time Tools used
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Borehole Log

Drilled MR Logged EM Checked MT		Start 28/07/2010 End 29/07/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.			Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 5.00m		Ground Level +1.76 mOD Coordinates E 647394.01 National Grid N 264178.00 Chainage		
Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments			
0.20	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown gravelly fine to coarse SAND with low cobble content. Gravel is angular to subangular fine to coarse of mixed lithologies including flint, brick and concrete. Cobbles are angular to subangular of concrete and brick. (MADE GROUND)	(0.50)					
0.60	D 2					0.50 +1.26					
1.60	D 3					(3.00)					
2.50	D 4					Greyish brown slightly silty slightly gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse of mixed lithologies including flint. Slight organic odour present. (MADE GROUND)				3.50 -1.74	
3.50	D 5										
4.50	D 6					Brown sandy GRAVEL. Gravel is subangular to subrounded fine to coarse of mixed lithologies including quartz and flint. (MADE GROUND)				(1.50)	SP
5.00	D 7										
5.50	D 8					Very soft slightly sandy clayey SILT with occasional pockets of firm brown pseudo-fibrous clayey peat. (RECENT DEPOSITS)				5.00 -3.24	
6.50	D 9									(3.50)	
7.50	D 10					Grey silty fine to medium SAND. (CRAG DEPOSITS)				8.50 -6.74	
8.50	D 11									(1.50)	
9.60	D 12									10.00 -8.24	
					EXPLORATORY HOLE ENDS AT 10.00 m						
Groundwater Entries		Depth sealed (m)			Depth Related Remarks *		Chiselling				
No.	Struck	Post strike behaviour			From	to (m)	Depths (m)	Time	Tools used		
None observed (see Key Sheet)					0.00	5.00	1.20 -1.40	15 mins			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL						
Scale 1:100					Project No. A0012-10						
(c) Soil Mechanics www.soil-mechanics.com					Carried out for NNB Generation Company Limited						
408.24 21/02/2011 14:54:08					Borehole GW10						
					Sheet 1 of 1						

Borehole Log



Drilled MR Logged ST Checked MT		Start 15/07/2010 End 16/07/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +1.48 mOD Coordinates E 647150.02 National Grid N 264095.03 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
0.20	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly gravelly fine to coarse SAND with occasional rootlets. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (MADE GROUND)	0.10 +1.38 (0.70)								
0.80	D 2					0.80 +0.68								
1.50	D 3				Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of firm brown sandy clay. Gravel is subangular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	(4.70)								
2.50	D 4		15/07/2010 16/07/2010 0800											
3.50	D 5				Brownish grey, locally dark grey, silty slightly gravelly fine to coarse SAND. Gravel is subrounded to rounded fine to medium of mixed lithologies including flint and shell fragments. (MADE GROUND)	(4.70)								
4.50	D 6													
5.50	D 7				Soft grey, locally brown, CLAY with occasional pockets of brownish grey plastic clayey pseudo-fibrous peat. Organic odour present. (RECENT DEPOSITS)	5.50 -4.02 (2.30)								
6.20	D 8													
7.00	D 9				Brownish grey plastic clayey amorphous PEAT. Strong organic odour present. (RECENT DEPOSITS)	7.80 -6.32 (2.00)								
8.00	D 10													
9.00	D 11				Grey silty slightly gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (CRAG DEPOSITS)	9.80 -8.32 10.00 -8.52								
10.00	D 12		16/07/2010 10.00	0.00								SP		
					EXPLORATORY HOLE ENDS AT 10.00 m									
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *							
No. Struck		Post strike behaviour		Depth sealed (m)		From to (m)		Chiselling Depths (m) Time Tools used						
None observed (see Key Sheet)						1.20 10.00		Water added to assist boring.						
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW11S Sheet 1 of 2				
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 14:54:10														

Borehole Log



Drilled MR Logged ST Checked MT	Start 25/07/2010 End 25/07/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion open hole boring.	Depth from 0.00m to 6.00m Diameter 200mm Casing Depth 6.00m	Ground Level +1.50 mOD Coordinates E 647151.53 National Grid N 264095.47 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
		0.00-1.20 m Hand excavated inspection pit. *			Brown clayey fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 +1.40 (0.90)			
					Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of firm to stiff orangish brown thinly laminated clay. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. Occasional fine to medium gravel size shell fragments. (MADE GROUND)	1.00 +0.50 1.20 +0.30 (4.00)			
					Brownish grey silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subangular fine of mixed lithologies including flint. (MADE GROUND)	5.20 -3.70			
			25/07/2010		CABLE PERCUSSION OPEN HOLE BORING. No samples recovered. (See strata descriptions for GW11S.) (Probably MADE GROUND)	(0.80)			
			0.00		CABLE PERCUSSION OPEN HOLE BORING. No samples recovered. (See strata descriptions for GW11S.) (Probably RECENT DEPOSITS)	6.00 -4.50			
					EXPLORATORY HOLE ENDS AT 6.00 m				

Groundwater Entries No. Struck Post strike behaviour 1 1.00 Remaining at 1.00m after 20mins.	Depth sealed (m) -	Depth Related Remarks * From to (m) 0.00 6.00 Water added to assist boring. 0.00 6.00 No samples taken.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged ST Checked MT		Start 21/07/2010 End 23/07/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m 10.00m		to 10.00m 21.00m		Diameter 200mm 150mm		Casing Depth 10.00m 21.00m		Ground Level Coordinates National Grid Chainage	
														+1.48 mOD E 647149.25 N 264094.93	
Samples and Tests					Strata										
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level (Thickness)	Legend	Backfill/ Instruments			
					Brown slightly gravelly fine to coarse SAND with frequent rootlets. Gravel is angular to subrounded fine to medium of mixed lithologies including flint. (MADE GROUND)					0.10 +1.38 (1.10)					
					Yellowish brown slightly silty slightly gravelly fine to coarse SAND with occasional pockets of firm yellowish brown sandy clay. Gravel is subangular to rounded fine to medium of mixed lithologies including flint and shell fragments. (MADE GROUND)					1.20 +0.28 (4.00)					
					CABLE PERCUSSION OPEN HOLE BORING. No samples recovered. (See strata descriptions for GW11S.) (Probably MADE GROUND)					5.20 -3.72					
			21/07/2010		CABLE PERCUSSION OPEN HOLE BORING. No samples recovered. (See strata description for GW11S.) (Probably RECENT DEPOSITS)										
			22/07/2010	0800						(4.60)					
					Brownish grey silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint. (CRAG DEPOSITS)					9.80 -8.32					
11.30	D 1														
12.30	D 2														
13.30	D 3														
14.30	D 4														
15.30	D 5		22/07/2010												
16.30	D 6		23/07/2010	0800						(11.20)					
17.30	D 7														
18.30	D 8														
19.30	D 9														
					Stratum continues to 21.00 m										
Groundwater Entries					Depth Related Remarks *					Chiselling					
No.	Struck	Post strike behaviour	Depth sealed		From to (m)					Depths (m)	Time	Tools used			
None observed (see Key Sheet)			(m)		0.00 15.30 Water added to assist boring. 9.00 10.00 Bentonite seal added for clean drilling purposes. 17.00 20.00 Re-drill due to blowing sands.										
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW11D Sheet 1 of 2					
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:54:12															

Borehole Log



Drilled MR Logged ST Checked MT	Start 21/07/2010 End 23/07/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m 10.00m 150mm 21.00m	Ground Level +1.48 mOD Coordinates E 647149.25 National Grid N 264094.93 Chainage
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
			23/07/2010		Brownish grey silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine of mixed lithologies including flint. (CRAG DEPOSITS) EXPLORATORY HOLE ENDS AT 21.00 m	21.00 -19.52			

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged ST Checked MT	Start 23/11/2010 End 07/12/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 12.70m Diameter 200mm Casing Depth 12.70m	Ground Level +8.58 mOD Coordinates E 647508.00 National Grid N 264090.70 Chainage
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Samples and Tests				Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description			
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)	0.20 +8.38		
0.80	D 2				Orangish brown slightly silty SAND with occasional fine gravel size shell fragments and occasional pockets of stiff grey orange brown silty clay up to 20mm in size. (MADE GROUND)	(4.30)		
1.00	D 3							
2.00	D 4							
3.00	D 5							
4.00	D 6				Orangish brown slightly silty gravelly SAND with occasional fine gravel size shell fragments. Gravel is angular to rounded fine to coarse of mixed lithologies including concrete, flint and granite. (MADE GROUND)	4.50 +4.08		
5.00	D 7							
6.00	D 8							
7.00	D 9		23/11/2010 6.50 7.00 0800 24/11/2010 0800 7.00 5.00					
8.00	D 10				Multicoloured slightly sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (RECENT DEPOSITS)	8.30 +0.28		
9.00	D 11							
10.00	D 12		24/11/2010 6.10 10.00 0800 07/12/2010 0800 10.00 7.70					
11.00	D 13							
12.00	D 14				Dark grey slightly sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (RECENT DEPOSITS)	11.00 -2.42		
			07/12/2010 8.70 12.70		EXPLORATORY HOLE ENDS AT 12.70 m	12.70 -4.12		SP

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) 7.20 -7.50 Time 60 mins Tools used
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Borehole Log



Drilled MR Logged ST Checked MT		Start 06/09/2010 End 06/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +3.19 mOD Coordinates E 647574.54 National Grid N 264085.00 Chainage			
Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Grey fine to medium SAND with frequent rootlets. (MADE GROUND)			0.20 +2.99 (0.60)			
0.70	D 2				Yellowish grey sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (MADE GROUND)			0.80 +2.39			
1.20	D 3				Multicoloured sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (Possibly RECENT DEPOSITS)			(4.70)			
1.70	D 4				Dark grey slightly sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (Possibly RECENT DEPOSITS)			5.50 -2.31 (1.30)			
2.70	D 5				Very soft grey slightly gravelly silty CLAY. Gravel is angular to rounded fine to medium of flint (possibly from above stratum). Strong organic odour present. (RECENT DEPOSITS)			6.80 -3.61			
3.70	D 6				EXPLORATORY HOLE ENDS AT 10.00 m			9.50 m occasional brown plant debris			
4.70	D 7										
5.70	D 8										
6.70	D 9										
7.50	D 10										
8.50	D 11										
9.50	D 12										
					EXPLORATORY HOLE ENDS AT 10.00 m			10.00 -6.81			
Depth	Type & No	Records	Date Casing	Time Water	Depth Related Remarks *			Chiselling Depths (m)	Time	Tools used	
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)		From 9.00 to 10.00 Redrill - borehole collapsed.						
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW13 Sheet 1 of 1	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:54:16											

Borehole Log



Drilled MR Logged ST/JH Checked MT	Start 03/08/2010 End 06/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring. (U100 sampling trial hole)	Depth from 0.00m to 22.40m Diameter 200mm Casing Depth 22.20m	Ground Level Coordinates National Grid Chainage	+1.58 mOD E 647316.70 N 264003.73
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Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly clayey fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.10 (0.30) -1.48 0.40 +1.18 (0.60)			
0.80	D 2								
1.20	D 3				Yellowish brown slightly silty slightly gravelly fine to coarse SAND. Gravel is angular to rounded fine to medium of various lithologies including flint. (MADE GROUND)	1.00 +0.58			
2.20	D 4					(2.00)			
3.20	D 5				Brownish grey, locally dark grey, silty slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. Organic odour present. (MADE GROUND)	3.00 -1.42 (1.20)			
4.20	D 6		03/08/2010 04/08/2010	0800		4.20 -2.62		SP	
5.20	D 7				Brownish grey silty slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (MADE GROUND)	(2.00)			
6.20	D 8					6.20 -4.62			
7.20	D 9				Brownish grey slightly silty sandy GRAVEL with rare fine to medium gravel size shell fragments. Gravel is fine to coarse angular to subrounded of various lithologies including flint. (MADE GROUND)	(2.80)			
8.50	D 10								
9.00	D 11				Soft grey silty slightly sandy CLAY with occasional brown rootlets. Slight organic odour present. (RECENT DEPOSITS)	9.00 -7.42			
9.60-10.05	U 12	150 blows	9.60	0.00		8.80-9.00 m very soft dark brownish grey peaty clay 9.60-10.05 m U12 split tube description			
10.50-10.95	U 13	200 blows	10.50	0.00		10.00 m black U13 split tube description			
10.95	D 14				Plastic dark greyish brown clayey amorphous, locally pseudo-fibrous PEAT with a strong organic odour. (RECENT DEPOSITS)	(4.05)			
11.40-11.85	U 15	80 blows	11.40	0.00		11.40-11.85 m U15 split tube description			
11.85	D 16								
12.10-12.55	U NR	120 blows No recovery	12.10	0.00		12.60-13.05 m U18 split tube description			
12.55	D 17				Yellowish brown, locally greenish grey and dark grey, locally slightly silty fine to coarse SAND with frequent coarse sand to fine gravel size shell fragments. Gravel is angular to rounded fine to medium of various lithologies including flint. (CRAG DEPOSITS)	13.05 -11.47			
12.60-13.05	U 18	200 blows	12.60	0.00		13.30-13.75 m U20 split tube description			
13.05	D 19								
13.30-13.75	U 20	100 blows	13.30	0.00		14.10-14.55 m U22 split tube description			
13.75	D 21		04/08/2010 13.30	0.00					
14.10-14.55	U 22	100 blows	05/08/2010 13.30	0.00		15.30-15.75 m U24 split tube description			
14.70-15.15	U 23	27 blows	14.70	0.00		16.00-16.45 m U25 split tube description			
15.30-15.75	U 24	40 blows	15.30	0.00		16.60-17.05 m U26 split tube description			
16.00-16.45	U 25	44 blows	16.00	0.00		17.30-17.75 m U27 split tube description			
16.60-17.05	U 26	50 blows	16.60 05/08/2010	0.00		18.10-18.55 m U28 split tube description			
17.30-17.75	U 27	80 blows	17.30 06/08/2010	0.00		18.90-19.35 m U29 split tube description			
18.10-18.55	U 28	17 blows	18.10	0.00		19.60-20.05 m U30 split tube description			
18.90-19.35	U 29	83 blows	18.90	0.00					
19.60-20.05	U 30	40 blows	19.60	0.00					
Depth	Type & No	Records	Date Casing	Time Water	Stratum continues to 22.40 m				

Groundwater Entries			Depth sealed (m)		Depth Related Remarks *		Chiselling		
No.	Struck (m)	Post strike behaviour			From	to (m)	Depths (m)	Time	Tools used
1	1.00	Slow inflow		-	9.60	22.40	3.40-3.70	60 mins	

Borehole Log



Drilled MR Logged ST/JH Checked MT		Start 03/08/2010 End 06/08/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring. (U100 sampling trial hole)		Depth from 0.00m to 22.40m Diameter 200mm Casing Depth 22.20m		Ground Level +1.58 mOD Coordinates E 647316.70 National Grid N 264003.73 Chainage		
Samples and Tests					Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description (Continued from Sheet 1)			Depth, Level/ (Thickness)	Legend	Backfill/ Instruments
20.30-20.75	U 31	30 blows	20.30	0.00	Grey slightly silty fine to coarse SAND with occasional fine to coarse gravel size shell fragments. (CRAG DEPOSITS)			description 20.30-20.75 m U31 split tube description 21.10-21.55 m U32 split tube description 21.70-22.15 m U33 split tube description		
21.10-21.55	U 32	47 blows	21.10	0.00						
21.70-22.15	U 33	40 blows	21.70	0.00						
22.20-22.40	U NR	150 blows No recovery	06/08/2010	0.00						
					EXPLORATORY HOLE ENDS AT 22.40 m			22.40 -20.82		
Depth	Type & No	Records	Date Casing	Time Water						
Groundwater Entries				Depth sealed (m)		Depth Related Remarks *			Chiselling Depths (m) Time Tools used	
No.	Struck (m)	Post strike behaviour			From to (m)		22.10 -22.20 60 mins			
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.				Project		ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE			Borehole	
Scale 1:100				Project No.		A0012-10			GW15	
(c) Soil Mechanics www.soil-mechanics.com				Carried out for		NNB Generation Company Limited			Sheet 2 of 2	

Borehole Log



Drilled MR Logged ST Checked MT	Start 08/08/2010 End 09/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 20.00m Diameter 200mm Casing Depth 19.80m	Ground Level +6.48 mOD Coordinates E 647439.23 National Grid N 263800.30 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Grey brown slightly clayey fine to coarse SAND with frequent rootlets. (MADE GROUND)	0.20-0.40 m well compacted with laminae on faces of inspection pit	0.20 +6.28		
0.80	D 2						(1.30)		
1.50	D 3				Light yellowish grey slightly gravelly fine to coarse SAND with frequent fine to medium gravel size shell fragments and occasional pockets of silty friable orange brown sandy clay. Gravel is angular to rounded fine to medium of various lithologies including flint. (MADE GROUND)		1.50 +4.98		
2.50	D 4								
3.50	D 5				Orange brown slightly clayey slightly gravelly fine to coarse SAND with occasional fine to medium gravel size shell fragments and occasional pockets of stiff, locally very stiff, orange brown sandy clay. Gravel is angular to rounded fine of various lithologies including flint. (Probably MADE GROUND)	4.50 m gravel is fine to coarse including sandstone			
4.50	D 6								
5.50	D 7								
6.50	D 8								
7.50	D 9								
8.50	D 10								
9.50	D 11								
10.50	D 12		08/09/2010 09/09/2010	7.00 0800 6.00					
11.50	D 13								
12.50	D 14								
13.50	D 15								
14.50	D 16				Orange brown slightly clayey fine to coarse SAND with occasional fine to medium gravel size shell fragments and occasional pockets of stiff, locally very stiff, orange brown sandy clay. (Probably MADE GROUND)	14.50-20.00 m no gravel	14.50 -8.02		
15.50	D 17								
16.50	D 18								
17.50	D 19								
18.50	D 20								
19.50	D 21								
			09/09/2010	7.00	EXPLORATORY HOLE ENDS AT 20.00 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged PM Checked MT	Start 26/10/2010 End 29/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 11.00m Diameter 200mm Casing Depth 11.00m	Ground Level +6.34 mOD Coordinates E 647280.95 National Grid N 263801.02 Chainage
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Samples and Tests					Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description					
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Grey subangular coarse GRAVEL of granite. (Foreman's description) (MADE GROUND)			0.20	+6.14	
0.80	D 2									
1.20	D 3				Orangish brown slightly silty slightly gravelly SAND. Gravel is subrounded fine to coarse of sandstone, flint and chalk. (MADE GROUND)					
2.00	D 4									
3.00	D 5				9.00 m very soft slightly silty sandy clay					
4.00	D 6									
5.00	D 7		26/10/2010 4.70	3.50	(10.80)					
6.00	D 8		27/10/2010 4.70	0810 3.50						
7.00	D 9				EXPLORATORY HOLE ENDS AT 11.00 m					
8.00	D 10									
9.00	D 11				SP					
10.00	D 12									
11.00	D 13		27/10/2010 11.00				11.00	-4.66		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged CH Checked MT	Start 14/03/2011 End 15/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Depth from 0.00m to 12.20m Diameter 200mm Casing Depth 12.20m	Ground Level +6.34 mOD Coordinates E 647118.99 National Grid N 263702.95 Chainage
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Samples and Tests					Strata			Ground Level		
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments		
0.30	D 1	0.00-1.20 m Hand excavated inspection pit			Flint GRAVEL fill. (Foreman's description) (MADE GROUND)	0.10 +6.24				
0.80	D 2									
1.00	D 3									
2.00	D 4	Light brownish orange silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to subrounded fine to medium of sandstone. (MADE GROUND)			(12.10)					
3.00	D 5									
4.00	D 6									
5.00	D 7									
6.00	D 8									
7.00	D 9									
8.00	D 10									
9.00	D 11									
10.00	D 12		14/03/2011 1800 10.00 9.00 15/03/2011 0800 10.00 7.00							
11.00	D 13									
12.00	D 14	15/03/2011 1800 12.20 7.00								
EXPLORATORY HOLE ENDS AT 12.20 m						12.20 -5.86		SP		

Groundwater Entries				Depth Related Remarks *			Chiselling		
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)		Depths (m)	Time	Tools used
1	9.00	Rose to 7.00 m after 60 minutes.	-	1.20	9.00	Water added to assist boring.			

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole GW18 Sheet 1 of 1
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Borehole Log

Drilled MR	Start 08/03/2011	Equipment, Methods and Remarks Dando 2000 Cable percussion boring	Depth from 0.00m	to 12.00m	Diameter 200mm	Casing Depth 12.00m	Ground Level +6.39 mOD
Logged CH	End 10/03/2011						Coordinates E 647073.95
Checked MT							National Grid N 263591.10
							Chainage

Samples and Tests				Strata					
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level/ (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit *			MACADAM. (MADE GROUND)	0.20 +6.19			
0.60	D 2					0.40 +5.99			
1.00	D 3				HARDCORE sub-base. (MADE GROUND)				
2.00	D 4				Light brownish orange silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to subrounded fine to medium of sandstone and concrete. (MADE GROUND)				
3.00	D 5								
4.00	D 6								
5.00	D 7								
6.00	D 8						(11.60)		
7.00	D 9								
8.00	D 10								
9.00	D 11								
10.00	D 12								
11.00	D 13								
12.00						EXPLORATORY HOLE ENDS AT 12.00 m	-5.61		

Groundwater Entries							
No.	Struck (m)	Post strike behaviour	Depth sealed (m)	From (m)	to (m)	Depth Related Remarks *	Chiselling Depths (m)
1	5.30	-	-	0.00	1.20	Water added to assist boring.	2.40-2.40
							Time 45 mins
							Tools used Chisel

Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Borehole GW19 Sheet 1 of 1
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 12/04/2011 15:29:36		

Borehole Log



Drilled MR		Start 14/10/2010		Equipment, Methods and Remarks				Depth from 0.00m to 10.00m		Diameter 200mm		Casing Depth 10.00m		Ground Level +2.72 mOD	
Logged JH/EM		End 15/10/2010		Dando 2000 Cable percussion boring.										Coordinates E 647078.66 N 262945.07	
Checked MT														Chainage	
Samples and Tests						Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments							
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of brick, flint and concrete.	(0.60)									
0.80	D 2					0.60 +2.12									
1.20	D 3		14/10/2010	dry											
1.70	D 4		15/10/2010	0800 dry	(MADE GROUND)										
2.70	D 5				Orangish brown slightly clayey fine to coarse SAND. (CRAG DEPOSITS)										
3.70	D 6														
4.70	D 7														
5.70	D 8				4.70 m rare shell fragments	(9.40)									
6.70	D 9				5.70 m slightly gravelly. Gravel is subangular fine to medium of various lithologies including sandstone and flint.										
7.70	D 10														
8.70	D 11														
9.70	D 12		15/10/2010	3.50											
EXPLORATORY HOLE ENDS AT 10.00 m						10.00	-7.28								
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *				Chiselling Depths (m)		Time	Tools used	
		No. Struck (m)		Post strike behaviour		Depth sealed (m)									
		None observed (see Key Sheet)													
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.						Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited						Borehole GW20 Sheet 1 of 1			
Scale 1:100						(c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:54:26									

Borehole Log



Drilled MR Logged JH/EM Checked MT	Start 23/08/2010 End 23/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 13.00m Diameter 200mm Casing Depth 13.00m	Ground Level +8.73 mOD Coordinates E 647056.20 National Grid N 262796.55 Chainage
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Samples and Tests					Strata			
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown gravelly fine to coarse SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint, mudstone and sandstone. (MADE GROUND)	(0.60)		
0.70	D 2					0.60 +8.13		
1.10	D 3					(0.40)		
1.70	D 4				Brown fine to coarse SAND. (MADE GROUND)	1.00 +7.73		
2.70	D 5					(3.70)		
3.70	D 6				Orangish brown silty slightly gravelly fine to coarse SAND. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (Possibly MADE GROUND)			
4.70	D 7					4.70 +4.03		
5.70	D 8					(4.50)		
7.70	D 10		23/08/2010 24/08/2010	2.50 0800 2.40	Firm orangish brown, locally, grey slightly sandy CLAY. Sand is fine to coarse. (Possibly MADE GROUND)			
9.20	D 11					9.20 -0.47		
10.00	D 12					(3.80)		
11.00	D 13				Orangish brown slightly silty fine to medium SAND. (Possibly RECENT DEPOSITS)			
12.00	D 14							
13.00	D 15		24/08/2010	13.00		EXPLORATORY HOLE ENDS AT 13.00 m	13.00 -4.27	

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged EM Checked MT		Start 24/08/2010 End 01/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +3.22 mOD Coordinates E 647261.34 National Grid N 262800.61 Chainage			
Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments			
0.30 0.50	D 1 D 2	0.00-1.20 m Hand excavated inspection pit.			Brown slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of mixed lithologies including flint and sandstone. (MADE GROUND)	(0.40) 0.40 +2.82					
1.00	D 3					(0.60) 1.00 +2.22					
1.50	D 4				Brown fine to medium SAND. (MADE GROUND)						
2.50	D 5				Orangish brown fine to medium SAND. (Possibly RECENT DEPOSITS)	(3.50)					
3.50	D 6										
4.50	D 7				Orangish brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine of claystone. (Possibly RECENT DEPOSITS)	4.50 -1.28					
5.50	D 8										
6.50	D 9					(5.00)					
7.50	D 10										
8.50	D 11										
9.50	D 12		24/08/2010 10.00	3.00	Soft orangish brown mottled grey sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to medium of mixed lithologies including claystone. (Possibly RECENT DEPOSITS)	9.50 -6.28 (0.50) 10.00 -6.78					
					EXPLORATORY HOLE ENDS AT 10.00 m						
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *				
		No. Struck	Post strike behaviour (m)	Depth sealed (m)	None observed (see Key Sheet)		From	to (m)	Chiselling Depths (m)	Time	Tools used
									6.60 -6.70	30 mins	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole GW22 Sheet 1 of 1	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:54:29											

Borehole Log



Drilled MR Logged PM Checked MT	Start 19/10/2010 End 21/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 9.60m	Ground Level +2.21 mOD Coordinates E 647128.21 National Grid N 262666.33 Chainage
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Samples and Tests					Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description					
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Dark brown slightly clayey slightly gravelly SAND. Gravel is subangular to subrounded fine to medium of sandstone and flint.			(0.80)		
0.80	D 2				(MADE GROUND)			0.80 +1.41		
1.20	D 3				Very soft dark brown very sandy CLAY. (Possibly MADE GROUND)			(0.90)		
2.20	D 4				Greyish brown slightly silty slightly gravelly SAND. Gravel is subrounded fine to coarse of various lithologies. (Possibly MADE GROUND)			1.70 +0.51		
3.20	D 5				Orangish brown slightly silty slightly gravelly SAND with occasional fine gravel size shell fragments. (Possibly RECENT DEPOSITS)			(1.00)		
4.20	D 6							2.70 -0.49		
5.20	D 7									
6.20	D 8							(7.30)		
7.20	D 9									
8.20	D 10									
9.20	D 11									
			19/10/2010	9.60	EXPLORATORY HOLE ENDS AT 10.00 m			10.00 -7.79		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged PM Checked MT	Start 28/10/2010 End 29/10/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 4.70m Diameter 200mm Casing Depth 4.70m	Ground Level +1.52 mOD Coordinates E 647158.40 National Grid N 264256.13 Chainage						
Samples and Tests			Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments		
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Sandy TOPSOIL. (Foreman's description)	0.20 +1.32				
0.60	D 2									
1.00	D 3						Orangish brown slightly silty slightly gravelly SAND with frequent fine gravel sized shell fragments. Gravel is subangular fine to medium of sandstone and flint.	(1.80)		
2.00	D 4						(MADE GROUND)	2.00 -0.48		
3.00	D 5						Greyish brown slightly silty slightly gravelly SAND with occasional fine gravel size shell fragments. Gravel is subangular fine to coarse of flint and chalk.	(2.50)		
4.00	D 6						(Possibly RECENT DEPOSITS)			
4.70	D 7					28/10/2010		Plastic dark brown grey clayey pseudo-fibrous PEAT. (RECENT DEPOSITS)	4.50 -2.98 4.70 -3.18	
					EXPLORATORY HOLE ENDS AT 4.70 m					
Depth	Type & No	Records	Date Casing	Time Water						
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m)		Chiselling Depths (m) Time Tools used				
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole GW24S Sheet 1 of 1						
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:54:34										

Borehole Log



Drilled MR Logged PM Checked MT		Start 21/10/2010 End 28/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 16.20m Diameter 200mm Casing Depth 16.00m		Ground Level +1.44 mOD Coordinates E 647157.13 National Grid N 264254.47 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Sandy TOPSOIL. (Foreman's description)	0.20 +1.24								
0.80	D 2						Orangish brown slightly silty SAND with frequent fine to medium gravel size shell fragments.	(1.00)						
1.20	D 3						(MADE GROUND)	1.20 +0.24						
2.00	D 4						Greyish brown slightly silty slightly gravelly SAND with occasional fine gravel sized shell fragments. Gravel is subangular fine to coarse of flint and chalk.	(3.20)						
3.00	D 5						(Possibly RECENT DEPOSITS)							
4.00	D 6						Plastic dark brown black slightly sandy pseudo-fibrous PEAT.	4.40 -2.96						
5.00	D 7						(RECENT DEPOSITS)	(1.60)						
6.00	D 8						Soft grey slightly sandy CLAY with pockets of black pseudo-fibrous peat.	6.00 -4.56						
7.00	D 9						(RECENT DEPOSITS)	(1.20)						
8.00	D 10						Plastic dark brown amorphous PEAT.	7.20 -5.76						
9.00	D 11						(RECENT DEPOSITS)	(1.80)						
10.00	D 12						Brown slightly silty SAND with frequent fine to medium gravel sized shell fragments.	9.00 -7.56						
11.00	D 13						(CRAG DEPOSITS)							
12.00	D 14							(7.20)						
13.00	D 15													
14.00	D 16													
15.00	D 17													
16.00	D 18													
			21/10/2010 16.00	3.30	EXPLORATORY HOLE ENDS AT 16.20 m	16.20 -14.76			SP					
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *							
					No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Chiselling Depths (m)	Time	Tools used		
					None observed (see Key Sheet)									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Project No. NNB Generation Company Limited Carried out for					Borehole GW24D Sheet 1 of 1				
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 14:54:33														

Borehole Log



Drilled MR Logged ST Checked MT	Start 14/11/2010 End 15/11/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 1.50m Diameter 200mm Casing Depth	Ground Level +7.10 mOD Coordinates E 647333.73 National Grid N 264325.22 Chainage
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Samples and Tests				Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)	0.30 (0.30) +6.80			
0.60	D 2					(1.20)			
1.00	D 3			14/11/2010		Orangish brown slightly silty slightly gravelly SAND with rare fine gravel size shell fragments and rare pockets of very stiff orangish brown silty clay. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	1.50 +5.60		
			15/11/2010	0800 dry	EXPLORATORY HOLE ENDS AT 1.50 m				

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used 1.40 -1.50 30 mins 1.50 -1.50 30 mins
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Borehole Log



Drilled MR Logged ST Checked MT	Start 15/11/2010 End 15/11/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 1.20m Diameter - Casing Depth -	Ground Level +7.10 mOD Coordinates E 647332.63 National Grid N 264325.65 Chainage
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Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments				
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly silty slightly gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND) EXPLORATORY HOLE ENDS AT 1.20 m	(1.20)						
0.80	D 2		15/11/2010			1.00 m 1 No wood fragment	1.20 +5.90					
1.00	D 3					120mmx40mmx10mm in size.						
Depth	Type & No	Records	Date Casing	Time Water								

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m) 1.20 Terminated due to obstruction.	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged ST Checked MT		Start 15/11/2010 End 18/11/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m 10.50m		to 10.50m 15.00m		Diameter 200mm 150mm		Casing Depth 10.50m 15.00m		Ground Level Coordinates National Grid Chainage		+7.14 mOD E 647331.91 N 264325.67	
Samples and Tests					Strata												
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level (Thickness)	Legend	Backfill/ Instruments					
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly silty slightly gravelly SAND with rare rootlets and rare fine gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint and concrete. (MADE GROUND)					(2.00)							
0.80	D 2																
1.00	D 3																
2.00	D 4				Multicoloured sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint, concrete and plastic. Sand is fine to coarse. (MADE GROUND)					2.00 +5.14							
3.00	D 5																
4.00	D 6																
5.00	D 7		15/11/2010 5.00	div 0800 16/11/2010 2.30 5.00	Multicoloured slightly sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint with rare pockets of very soft dark grey silty clay. Sand is fine to coarse. (RECENT DEPOSITS)					6.50 +0.64							
6.00	D 8																
7.00	D 9																
8.00	D 10				Very soft thickly laminated blueish grey silty CLAY with organic odour. (RECENT DEPOSITS)					(3.90)		SP					
9.00	D 11																
10.00	D 12																
11.00	D 13		16/11/2010 10.50	10.50 0800	Grey very silty SAND with slight organic odour. (Possibly CRAG DEPOSITS)					10.40 -3.26							
12.00	D 14		18/11/2010 10.50	7.20 10.50													
13.00	D 15																
14.00	D 16				EXPLORATORY HOLE ENDS AT 15.00 m					12.50 -5.36							
15.00	D 17		18/11/2010 15.00	9.00													
Groundwater Entries		No. Struck Post strike behaviour		Depth sealed		Depth Related Remarks *					Chiselling		Time		Tools used		
None observed (see Key Sheet)				(m)							Depths (m)		mins				
											1.50 -1.70		60 mins				
											4.90 -5.00		30 mins				
											5.00 -5.20		30 mins				
											6.60 -6.70		45 mins				
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project			ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL					Borehole						
Scale 1:100			Project No.			SITE A0012-10					G1B						
(c) Soil Mechanics www.soil-mechanics.com			Carried out for			NNB Generation Company Limited					Sheet 1 of 1						
408.24 21/02/2011 15:01:44																	

Borehole Log



Drilled MR Logged EM Checked MT		Start 30/07/2010 End 02/08/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 5.60m		Diameter 200mm Casing Depth 5.60m		Ground Level Coordinates National Grid Chainage			
										+1.46 mOD E 647152.74 N 264251.81			
Samples and Tests					Strata								
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly gravelly fine SAND with rare shell fragments. Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)					(0.70)			
0.70	D 2									0.70			+0.76
1.20	D 3												
2.60	D 4				Brown gravelly fine to medium SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to rounded fine to coarse of flint and quartz. (MADE GROUND)					(3.20)			
3.60	D 5												
4.60	D 6				Plastic, locally spongy, clayey amorphous, locally pseudo-fibrous PEAT with occasional pockets of soft grey silty clay. (RECENT DEPOSITS)					3.90	-2.44		
5.60	D 7												
6.60	D 8												
7.60	D 9									(5.10)			
8.60	D 10												
9.60	D 11		02/08/2010		Brownish grey slightly silty fine to medium SAND. (CRAG DEPOSITS)					9.00	-7.54		
					EXPLORATORY HOLE ENDS AT 9.60 m					9.60	-8.14		
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries					Depth Related Remarks *			
No. Struck		Post strike behaviour		Depth sealed		From to (m)					Chiselling		
		(m)		(m)		0.00 5.60					Depths (m) Time Tools used		
		None observed (see Key Sheet)				Water added to assist boring.							
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole G2 Sheet 1 of 1							
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 15:01:46													

Borehole Log



Drilled MR Logged EM Checked MT		Start 07/08/2010 End 07/08/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 7.80m Diameter 200mm Casing Depth 7.80m		Ground Level +1.53 mOD Coordinates E 647154.03 National Grid N 264250.77 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
		0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly gravelly fine SAND with rare shell fragments. Gravel is subangular to subrounded fine to medium of flint. (MADE GROUND)	(0.40) 0.40 +1.13								
					Brown gravelly fine to medium SAND with occasional fine to medium gravel size shell fragments. Gravel is subangular to rounded fine to coarse of flint and quartz. (MADE GROUND)	(3.80)								
					Plastic, locally spongy, clayey amorphous, locally pseudo-fibrous PEAT with occasional pockets of soft grey silty clay. (RECENT DEPOSITS)	4.20 -2.67 (3.60)								
			07/08/2010		EXPLOATORY HOLE ENDS AT 7.80 m	7.80 -6.27		SP						
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *							
					No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Chiselling Depths (m)	Time	Tools used		
					None observed (see Key Sheet)									
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. A0012-10 Carried out for NNB Generation Company Limited					Borehole G2A Sheet 1 of 1				
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 15:01:48														

Borehole Log



Drilled MR Logged JH Checked MT	Start 19/08/2010 End 19/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from to Diameter Casing Depth	Ground Level +1.58 mOD Coordinates E 647255.25 National Grid N 264165.65 Chainage					
Samples and Tests			Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-0.80 m Hand excavated inspection pit.	19/08/2010		TOPSOIL.	0.05 +1.53 (0.55)			
0.70	D 2				Orange brown gravelly SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint and mudstone. (MADE GROUND)	0.60 +0.98 0.80 +0.78			
					Orange brown SAND and GRAVEL. Sand is fine to coarse. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint, sandstone and mudstone. (MADE GROUND)				
					EXPLORATORY HOLE ENDS AT 0.80 m				
Depth	Type & No	Records	Date Casing	Time Water					
Groundwater Entries No. Struck Post strike behaviour Depth sealed (m) (m) None observed (see Key Sheet)					Depth Related Remarks * From to (m) 0.80 Borehole terminated due to concrete obstruction.			Chiselling Depths (m) Time Tools used	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole G3 Sheet 1 of 1	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 15:01:49									

Borehole Log



Drilled MR Logged JH Checked MT		Start 19/08/2010 End 19/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from to Diameter Casing Depth	Ground Level +1.60 mOD Coordinates E 647256.28 National Grid N 264166.96 Chainage		
Samples and Tests				Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments
		0.00-0.90 m Hand excavated inspection pit.	19/08/2010		TOPSOIL.	0.05 +1.55 (0.55)		
					Orange brown gravelly SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint, concrete and sandstone. (MADE GROUND)	0.60 +1.00 (0.30)		
					Greyish brown sandy subangular to rounded fine to coarse GRAVEL of mixed lithologies including flint and mudstone with occasional fine gravel size shell fragments. Sand is fine to coarse. (MADE GROUND)	0.90 +0.70		
EXPLORATORY HOLE ENDS AT 0.90 m								
Depth	Type & No	Records	Date Casing	Time Water				
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)			Depth sealed (m)	Depth Related Remarks * From to (m) 0.90 Borehole terminated due to concrete obstruction.		Chiselling Depths (m)	Time	Tools used
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column. Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 15:01:51			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited	Borehole G3A Sheet 1 of 1				

Borehole Log



Drilled MR Logged JH/ST Checked MT	Start 19/08/2010 End 20/08/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 9.20m Diameter 200mm Casing Depth 9.20m	Ground Level +1.58 mOD Coordinates E 647256.77 National Grid N 264168.25 Chainage
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Samples and Tests					Strata		Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description				
		0.00-1.20 m Hand excavated inspection pit.			TOPSOIL.		0.05 +1.53 (0.55)		
1.50	D 3		19/08/2010		Orange brown gravelly SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including flint, concrete and brick. (MADE GROUND)		0.60 +0.98		
2.50	D 4		20/08/2010	0800	Greyish brown slightly silty gravelly SAND with medium cobble content and occasional pockets of organic matter. Gravel is angular to subrounded fine to coarse of mixed lithologies including concrete, flint and brick. Cobbles are subangular of concrete. (MADE GROUND)		(3.00)		
3.60	D 5				Soft grey slightly sandy CLAY with rare rootlets. Sand is fine. (RECENT DEPOSITS)		3.60 -2.02 (0.90)		
4.50	D 6				Firm dark brown clayey pseudo-fibrous PEAT with strong organic odour. (RECENT DEPOSITS)		4.50 -2.92		
5.50	D 7				Plastic dark brown amorphous PEAT with strong organic odour. (RECENT DEPOSITS)		(2.00)		
6.50	D 8				Dark grey brown silty fine to medium SAND. (Possibly CRAG DEPOSITS)		6.50 -4.92 (1.00)		SP
7.50	D 9				EXPLORATORY HOLE ENDS AT 9.20 m		7.50 -5.92		
8.50	D 10						(1.70)		
9.20	D 11		20/08/2010	9.20			9.20 -7.62		

Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)	Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
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Borehole Log



Drilled MR Logged ST Checked MT		Start 11/08/2010 End 11/08/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.60m Diameter 200mm Casing Depth 10.60m		Ground Level +2.01 mOD Coordinates E 647416.58 National Grid N 263987.34 Chainage				
Samples and Tests					Strata							
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments				
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Orange brown slightly silty slightly gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	(1.00)						
0.80	D 2					1.00 +1.01						
1.50	D 3					(1.50)						
2.50	D 4				Yellowish grey slightly silty slightly gravelly SAND with frequent fine to medium gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (MADE GROUND)	2.50 -0.49						
3.50	D 5					(2.70)						
4.50	D 6				Brownish grey slightly silty gravelly SAND with occasional fine to medium gravel size shell fragments. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (MADE GROUND)	5.20 -3.19						
5.50	D 7											
6.50	D 8				Very soft brownish grey sandy organic CLAY with rare fine gravel size shell fragments and slight organic odour. (RECENT DEPOSITS)	(4.30)						
7.50	D 9											
8.80	D 10											
9.50	D 11				Grey silty SAND with occasional fine to medium gravel size shell fragments. (CRAG DEPOSITS)	9.50 -7.49		SP				
			11/08/2010	1.30		(1.10)						
			10.60		EXPLORATORY HOLE ENDS AT 10.60 m	10.60 -8.59						
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *					
					No. Struck (m)	Post strike behaviour	Depth sealed (m)	From	to (m)	Chiselling Depths (m)	Time	Tools used
					1	1.20 Rose to 1.00 m after 20 minutes.	1.00					
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole G4 Sheet 1 of 1		
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 15:01:54												

Borehole Log



Drilled MR Logged EM Checked MT		Start 07/10/2010 End 13/10/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +6.15 mOD Coordinates E 647361.78 National Grid N 263891.50 Chainage						
Samples and Tests					Strata									
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments						
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Orangish brown gravelly fine to medium SAND. Gravel is subangular to subrounded fine to medium of flint. (Possibly RECENT DEPOSITS)	(1.20)								
0.80	D 2					1.20 +4.95								
1.80	D 3													
2.20	D 4													
3.20	D 5													
4.20	D 6					(6.00)								
5.00	D 7													
6.20	D 8													
7.20	D 9					7.20 -1.05								
8.20	D 10					(1.00)								
8.20	D 10				8.20 -2.05									
9.20	D 11				Orangish brown slightly silty slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to medium of flint. (Possibly RECENT DEPOSITS)	(1.80)								
9.20	D 11				9.20 m becoming silty with rare shell fragments									
10.00	D 12		07/10/2010 10.00	dry	EXPLORATORY HOLE ENDS AT 10.00 m	10.00 -3.85								
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *							
No. Struck Post strike behaviour (m)			Depth sealed (m)		None observed (see Key Sheet)		From to (m)							
							Chiselling Depths (m) Time Tools used							
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole G5 Sheet 1 of 1				
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 15:01:56														

Borehole Log



Drilled MR Logged ST Checked MT		Start 09/11/2010 End 06/12/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +10.25 mOD Coordinates E 647529.36 National Grid N 263829.26 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description		Depth, Level (Thickness)	Legend	Backfill/ Instruments
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)		0.20 +10.05		
0.80	D 2				Orangish brown slightly silty slightly gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to subangular fine to coarse of mixed lithologies including flint. (MADE GROUND)		(1.30)		
1.00	D 3						1.50 +8.75		
2.00	D 4				Grey slightly sandy angular to subangular fine to coarse GRAVEL of mixed lithologies including flint and concrete. Sand is fine to coarse. (MADE GROUND)		(3.10)		
3.00	D 5		09/11/2010 3.50	dry 0800			4.00	+5.65	
4.00	D 6		10/11/2010 3.50	dry	Light grey slightly silty slightly gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (RECENT DEPOSITS)		4.60 +5.65		
5.00	D 7						4.00 m pockets of very soft orangish brown silty sandy clay	(1.40)	
6.00	D 8				Multicoloured slightly sandy angular to rounded fine to medium GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (RECENT DEPOSITS)		6.00 +4.25		
7.00	D 9						(2.80)		
8.00	D 10				Orangish brown slightly silty slightly gravelly SAND with frequent fine gravel size shell fragments. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (RECENT DEPOSITS)		8.80 +1.45		
9.00	D 11						(1.20)		
10.00	D 12		10/11/2010 10.00	dry	EXPLORATORY HOLE ENDS AT 10.00 m		10.00 +0.25		
Depth	Type & No	Records	Date Casing	Time Water	Depth Related Remarks *		Chiselling Depths (m)	Time	Tools used
Groundwater Entries No. Struck Post strike behaviour (m) None observed (see Key Sheet)					Depth sealed (m)		1.50 -1.70	45 mins	
							2.20 -2.40	30 mins	
							3.50 -3.70	30 mins	
							7.90 -8.00	30 mins	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited		Borehole G6 Sheet 1 of 1		
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 15:01:57									

Borehole Log



Drilled MR Logged GA Checked MT		Start 08/09/2010 End 08/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +11.13 mOD Coordinates E 645996.94 National Grid N 264351.59 Chainage			
Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description			Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Dark greyish brown slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse of flint.			(0.60)			
0.70	D 2				(TOPSOIL)			0.60 +10.53			
1.50	D 3				Dark brown slightly gravelly fine to medium SAND. Gravel is subangular to rounded fine to coarse of flint.			(0.90)			
2.50	D 4	170 blows	2.60	dry	(Possibly RECENT DEPOSITS)			1.50 +9.63			
2.60-3.05	U 5				Orangish brown slightly clayey gravelly fine to medium SAND with occasional fine to coarse gravel size pockets of very soft clay. Gravel is angular to subangular fine to medium of flint and rare claystone.			(1.55)			
3.05	D 6				(Possibly RECENT DEPOSITS)			3.05 +8.08			
3.50	D 7				Orangish brown and brown silty sandy CLAY.			(0.45)			
4.50	D 8				(Possibly RECENT DEPOSITS)			3.50 +7.63			
5.50	D 9				Orangish brown slightly clayey gravelly fine to medium SAND with occasional fine to coarse gravel size pockets of very soft clay. Gravel is angular to subangular fine to medium of flint and rare claystone.			(6.50)			
6.50	D 10				6.50 m firm orangish brown mottled grey and dark grey fissured clay						
7.50	D 11				(Possibly RECENT DEPOSITS)						
8.50	D 12										
9.50	D 13										
10.00	D 14		08/09/2010		9.50-10.00 m gravel is subrounded to rounded fine to medium of flint			10.00 +1.13			
					EXPLORATORY HOLE ENDS AT 10.00 m						
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries						
No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks * From to (m)					Chiselling Depths (m) Time Tools used	
None observed (see Key Sheet)											
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project		ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE					Borehole	
Scale 1:100			Project No.		A0012-10					BH1	
(c) Soil Mechanics www.soil-mechanics.com			Carried out for		NNB Generation Company Limited					Sheet 1 of 1	

Borehole Log



Drilled MR Logged ST Checked MT	Start 09/09/2010 End 09/09/2010	Equipment, Methods and Remarks Dando 2000 Cable percussion boring.	Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m	Ground Level +7.89 mOD Coordinates E 646522.43 National Grid N 264630.37 Chainage
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Samples and Tests					Strata			Depth, Level (Thickness)	Legend	Backfill/ Instruments
Depth	Type & No	Records	Date Casing	Time Water	Description					
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Brown slightly silty slightly gravelly fine to coarse SAND with frequent rootlets and occasional roots. Gravel is angular to rounded fine to medium of mixed lithologies including flint. (TOPSOIL)			(0.60)		
0.70	D 2							0.60	+7.29	
1.30	D 3				Orange slightly silty slightly gravelly fine to coarse SAND. Gravel is angular to rounded fine to medium of mixed lithologies including flint and claystone. (Possibly RECENT DEPOSITS)					
1.80	D 4									
2.00-2.45	U 5	150 blows	2.00	1.00						
2.45	D 6						2.45-2.80 m becoming yellow			
2.80	D 7									
3.80-4.25	U 8	160 blows 350 mm rec	3.50	2.00						
4.25	D 9		09/09/2010	2.20						
4.80	D 10		13/09/2010	0800			4.25-5.80 m becoming yellow with occasional firm friable orange silty clay pockets present	(9.40)		
5.80	D 11									
6.80	D 12						6.80 m no gravel			
7.80	D 13						7.80 m no gravel			
8.70	D 14									
9.70	D 15		13/09/2010							
					EXPLORATORY HOLE ENDS AT 10.00 m			10.00	-2.11	

Groundwater Entries No. Struck Post strike behaviour (m) Depth sealed (m)	Depth Related Remarks * From to (m)	Chiselling Depths (m) Time Tools used
None observed (see Key Sheet)		

Borehole Log



Drilled MR Logged GA/ST Checked MT		Start 14/09/2010 End 15/09/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m to 10.00m Diameter 200mm Casing Depth 10.00m		Ground Level +2.11 mOD Coordinates E 647170.97 National Grid N 264496.80 Chainage			
Samples and Tests					Strata						
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments			
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			Dark brown silty fine SAND with frequent rootlets and roots. (TOPSOIL)	0.10 +2.01					
0.70	D 2					(0.70)					
1.20	D 3					0.80 +1.31					
1.70	D 4					(0.90)					
2.70-3.15	U 6	150 blows	2.70	2.20	Gravel is angular to rounded fine to medium of mixed lithologies including brick and flint. (MADE GROUND)	1.70 +0.41					
2.70	D 5					(1.45)					
3.15	D 7					3.15 -1.04					
3.70	D 8	150 blows 350 mm rec	14/09/2010	0800	Yellow slightly silty fine to medium SAND with rare rootlets and roots. (Possibly RECENT DEPOSITS)	2.70 m no gravel and occasional grey mottling					
4.70	D 9									Soft orangish brown sandy gravelly CLAY. Gravel is angular to subangular fine to medium of claystone. (Possibly RECENT DEPOSITS)	(3.30)
5.70	D 10									6.00-6.45	6.00
6.45	D 12	7.70	D 14	Orangish brown slightly clayey fine to medium SAND with frequent fine to medium gravel size shell fragments. (CRAG DEPOSITS)	(3.55)						
6.70	D 13					8.70	D 15	9.70	D 16	15/09/2010	10.00
7.70	D 14	EXPLORATORY HOLE ENDS AT 10.00 m									
8.70	D 15										
9.70	D 16										
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *		Chiselling		
No. Struck Post strike behaviour (m)			Depth sealed (m)		From to (m)		Depths (m) Time Tools used				
None observed (see Key Sheet)											
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.					Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole BH4 Sheet 1 of 1	
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 15:03:13											

Borehole Log



Drilled MR Logged ST Checked MT		Start 11/11/2010 End 13/11/2010		Equipment, Methods and Remarks Dando 2000. Cable percussion boring.		Depth from 0.00m to 15.00m Diameter 200mm Casing Depth 12.10m		Ground Level +8.55 mOD Coordinates E 647529.13 National Grid N 264215.30 Chainage	
Samples and Tests					Strata				
Depth	Type & No	Records	Date Casing	Time Water	Description	Depth, Level (Thickness)	Legend	Backfill/ Instruments	
0.30	D 1	0.00-1.20 m Hand excavated inspection pit.			TOPSOIL. (Foreman's description)	0.20 +8.35			
0.80	D 2				Orangish brown silty gravelly SAND with rare fine gravel size shell fragments. Gravel is angular to rounded fine to coarse of mixed lithologies including flint and concrete. (MADE GROUND)	(3.80)			
1.00	D 3								
2.00	D 4								
3.00	D 5				Multicoloured slightly sandy, locally sandy angular to rounded fine to coarse GRAVEL of mixed lithologies including flint. Sand is fine to coarse. (Possibly RECENT DEPOSITS)	4.00 +4.55			
4.00	D 6								
5.00	D 7								
6.00	D 8		11/11/2010 0800 12/11/2010 0800 6.00	5.00 5.00					
7.00	D 9				Dark grey silty gravelly SAND with slight organic odour. Gravel is angular to rounded fine to coarse of mixed lithologies including flint. (RECENT DEPOSITS)	11.00 -2.45 (0.50) 11.50 -2.95			
8.00	D 10								
9.00	D 11								
10.00	D 12				Soft blueish grey silty CLAY with strong organic odour. (RECENT DEPOSITS)	(3.50)			
11.00	D 13								
12.00	D 14		12/11/2010 0800 13/11/2010 0800 12.10	6.00 6.00					
12.10-12.55	U 15				EXPLORATORY HOLE ENDS AT 15.00 m	15.00 -6.45			
12.55	D 16								
13.00	D 17								
14.00	D 18								
15.00	D 19		13/11/2010 15.00						
Depth	Type & No	Records	Date Casing	Time Water	Groundwater Entries		Depth Related Remarks *		
No. Struck		Post strike behaviour		Depth sealed (m)		From to (m)		Chiselling Depths (m) Time Tools used	
None observed (see Key Sheet)								6.50 -6.60 30 mins	
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL Project No. SITE A0012-10 Carried out for NNB Generation Company Limited			Borehole BH6 Sheet 1 of 1			
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 40824 21/02/2011 15:03:15									

Borehole Log



Drilled MR Logged PM Checked MT		Start 01/11/2010 End 04/11/2010		Equipment, Methods and Remarks Dando 2000 Cable percussion boring.		Depth from 0.00m 1.20m		to 12.00m 17.00m		Diameter 200mm 150mm		Casing Depth 12.00m 15.00m		Ground Level Coordinates National Grid Chainage		+8.29 mOD E 647538.23 N 263997.57	
Samples and Tests					Strata												
Depth	Type & No	Records	Date Casing	Time Water	Description					Depth, Level (Thickness)	Legend	Backfill/ Instruments					
0.30 0.60	D 1 D 2	0.00-1.20 m Hand excavated inspection pit.			Orangish brown slightly silty slightly gravelly SAND. Gravel is subangular to subrounded fine to medium of mixed lithologies. (MADE GROUND)					(2.00)							
1.20	D 3																
2.00	D 4				Orangish brown slightly silty slightly gravelly SAND with occasional fine gravel size shell fragments. Gravel is subangular to subrounded fine to medium of mixed lithologies. (MADE GROUND)					2.00 +6.29							
3.00	D 5																
4.00	D 6				Orangish brown slightly silty slightly gravelly SAND. Gravel is subangular fine to coarse of concrete. (MADE GROUND)					4.20 +4.09							
5.00	D 7																
6.00	D 8				Multicoloured slightly sandy subangular to rounded fine to coarse GRAVEL of mixed lithologies. (Possibly RECENT DEPOSITS)					6.00 +2.29							
7.00	D 9																
8.00	D 10				9.40-11.50 m predominantly black					(5.50)							
9.00	D 11		01/11/2010 03/11/2010	6.70 0800 7.80													
10.00	D 12				Firm dark brown black clayey pseudo fibrous PEAT. (RECENT DEPOSITS)					11.50 -3.21							
11.00	D 13																
12.00 12.00-12.45 12.45	D 14 U 15 D 16	100 blows	12.00	6.00	Greyish dark brown silty fine to medium SAND. (Possibly RECENT DEPOSITS)					(2.50)							
13.00	D 17																
14.00	D 18				03/11/2010 04/11/2010					14.00 -5.71							
15.00	D 19		8.20 0800 6.20														
16.00	D 20				EXPLORATORY HOLE ENDS AT 17.00 m					(3.00)							
17.00	D 21		04/11/2010 17.00														
Depth	Type & No	Records	Date Casing	Time Water													
Groundwater Entries No. Struck Post strike behaviour (m)			Depth sealed (m)		Depth Related Remarks *					Chiselling Depths (m) Time Tools used							
None observed (see Key Sheet)										4.40 -4.40 45 mins							
Notes: For explanation of symbols and abbreviations see key sheet. All depths and reduced levels in metres. Stratum thickness given in brackets in depth column.			Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE A0012-10 Carried out for NNB Generation Company Limited					Borehole BH7 Sheet 1 of 1									
Scale 1:100 (c) Soil Mechanics www.soil-mechanics.com 408.24 21/02/2011 15:03:17																	

ENCLOSURE B
SPLIT SAMPLE DESCRIPTIONS / DISCONTINUITY LOGS

GW15 Split Tube Sample Descriptions
Chalk Discontinuity Logs

Sheet 1 to 17
CBH2009_2
CBH2009_8U
DBH2009_1
SBP2009_2

Split Tube Sample Description



Soil Mechanics

Borehole No	GW15	
Sample No	12	
Sample Depth, mBGL	9.60	- 10.05
Sample Type	U	

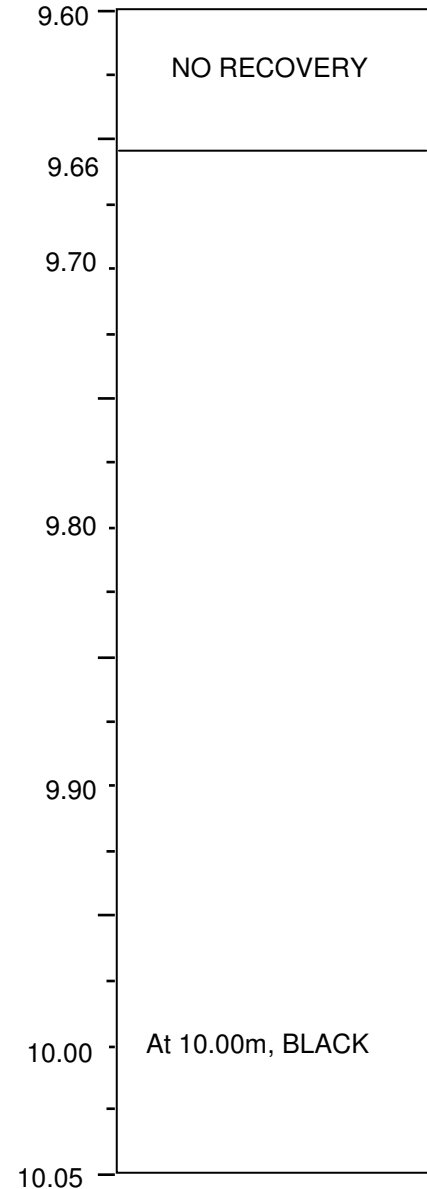
Note: Sample length <> 45 cm

Description

9.66-10.05m, Grey silty fine to medium SAND. Locally dark grey.

Detail:

10.00m, black.



Sampling information:

Blow Count 150
 Recovery 390 mm

Remarks:
 Driven U100 sample

Notes:

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Bh No/Depth
GW15

Split Tube Sample Description



Soil Mechanics

Borehole No	GW15	
Sample No	13	
Sample Depth, mBGL	10.50	- 10.95
Sample Type	U	

Note: Sample length <> 45 cm

Description

10.54-10.59m, Dark grey silty fine SAND.
(Probably settlement of fines).

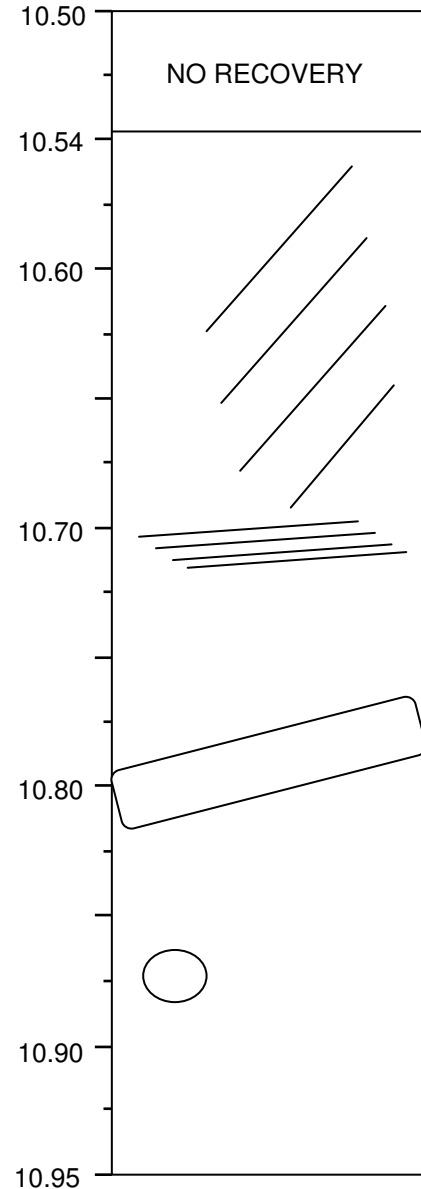
10.59-10.95m, Brown, locally grey, silty fine to medium SAND.
Frequent coarse sand to fine gravel size shell fragments.

Detail:

10.62-10.73m, shell fragments thinly laminated dipping at 30 deg.

10.78-10.82m, brown clay.

10.88m, 1 No. lens of brown clay.



Sampling information:

Blow Count 200
Recovery 410 mm

Remarks:
Driven U100 sample

Notes:

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Bh No/Depth
GW15

Split Tube Sample Description



Soil Mechanics

Borehole No	GW15	
Sample No	15	
Sample Depth, mBGL	11.40	- 11.85
Sample Type	U	

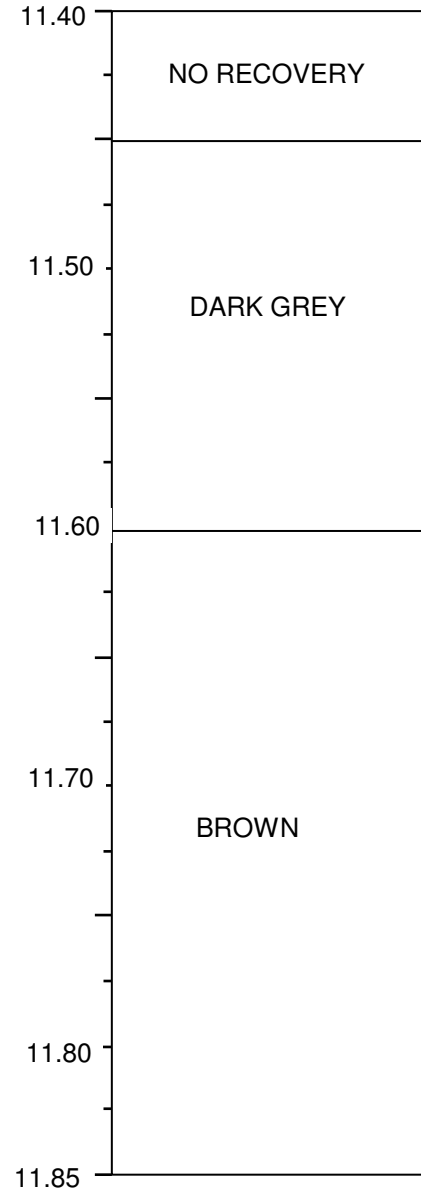
Note: Sample length <> 45 cm

Description

11.45-11.60m, Dark grey silty fine to medium SAND. Occasional fine gravel shell fragments. At 11.45m 1 No. medium gravel size fragment of flint.

Detail:

11.60-11.85m, Brown, locally silty, fine to medium, locally coarse, SAND. Frequent coarse sand to fine gravel size fragments of shell and whole shells. Rare fine subangular gravel of flint.



Sampling information:

Blow Count 80

Recovery 400 mm

Remarks:

Driver U100 sample.
11.45-11.60m, Possible settlement of fines.

Notes:

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Bh No/Depth
GW15

Split Tube Sample Description



Soil Mechanics

Borehole No	GW15	
Sample No	18	
Sample Depth, mBGL	12.60	- 13.05
Sample Type	U	

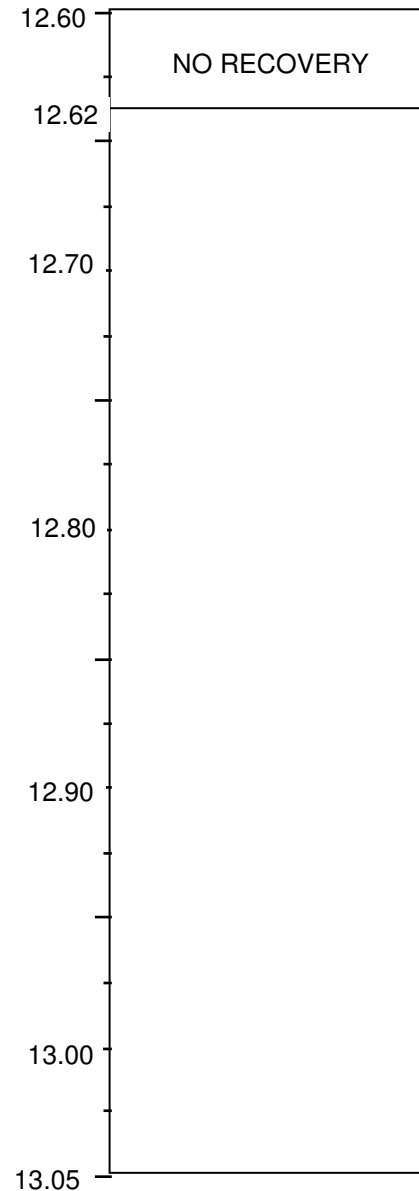
Note: Sample length <> 45 cm

Description

12.62-12.71m, Grey brown silty fine to medium SAND.
Occasional coarse sand and gravel size shell fragments. Rare fine to medium gravel of siltstone (possible settlement of fines).

12.71-12.90m, Brown silty fine to medium SAND.

12.90-13.05m, Gradual boundary. Grey speckled black silty fine to medium SAND.



Sampling information:

Blow Count 200

Recovery 430 mm

Remarks:
Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



Soil Mechanics

Borehole No	GW15	
Sample No	20	
Sample Depth, mBGL	13.30	- 13.75
Sample Type	U	

Note: Sample length <> 45 cm

Description

13.31-13.42m, Grey silty fine SAND (probably settlement of fines).

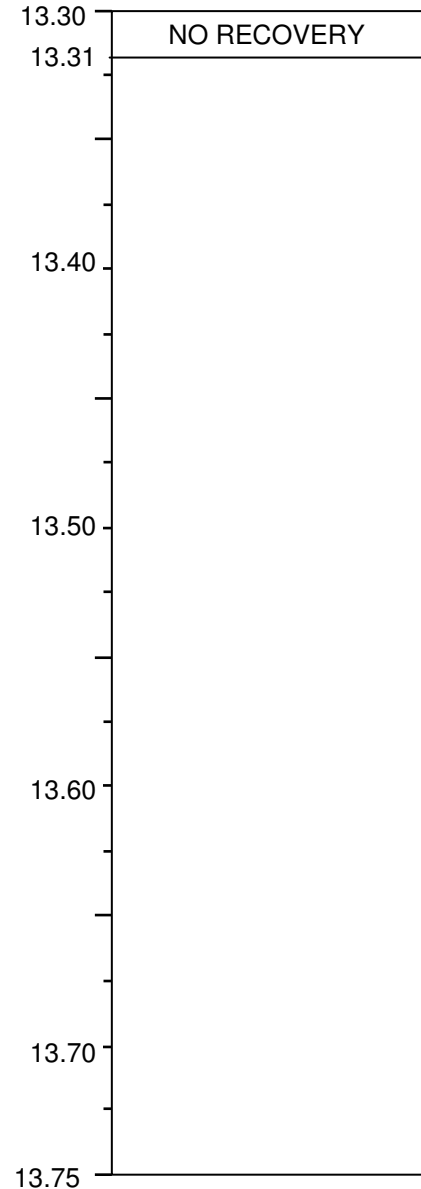
13.42-13.75m, Grey speckled black fine to coarse SAND. Frequent coarse sand. Shell fragments.

Detail:

13.48-13.53m, frequent fine to medium gravel size shell fragments.

13.62m, 1 No. complete shell.

13.71m, layer of coarse sand size shell fragments.



Sampling information:

Blow Count 100

Recovery 440 mm

Remarks:
Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



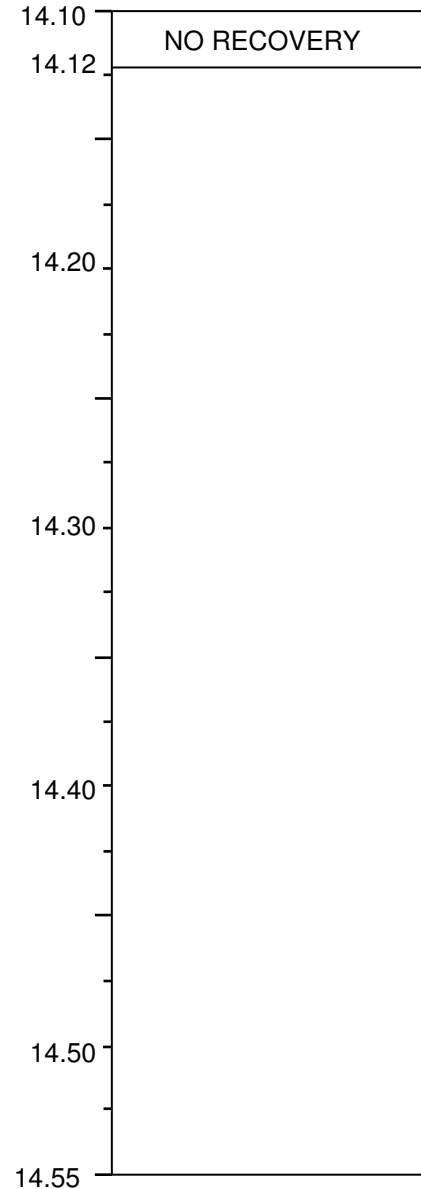
Soil Mechanics

Borehole No	GW15	
Sample No	22	
Sample Depth, mBGL	14.10	- 14.55
Sample Type	U	

Note: Sample length <> 45 cm

Description

14.12-14.55m, Grey fine to coarse SAND. Frequent coarse sand, locally medium gravel, size shell fragments.



Sampling information:

Blow Count 100

Recovery 430 mm

Remarks:

Driven U100 sample.
Top section of sample possible settlement of fines.

Notes:

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Bh No/Depth
GW15

Split Tube Sample Description



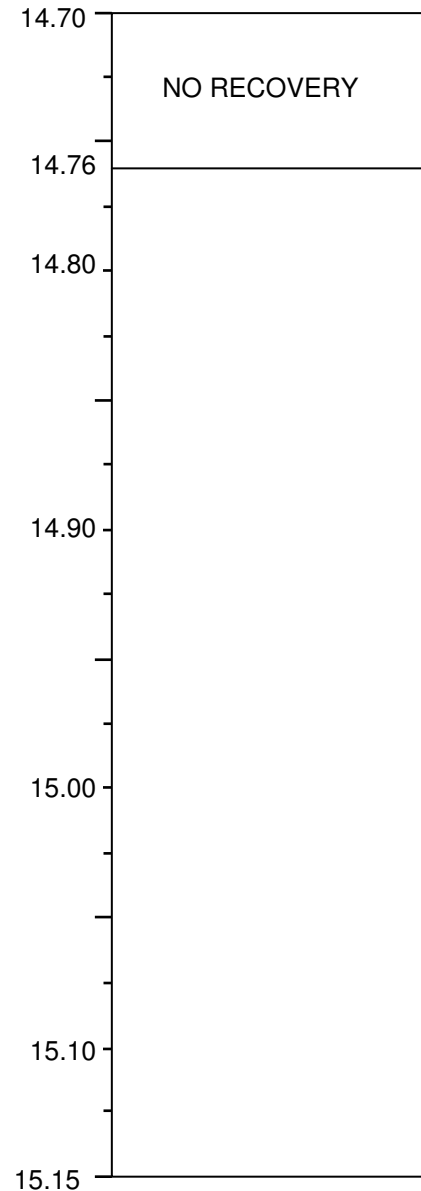
Soil Mechanics

Borehole No	GW15	
Sample No	23	
Sample Depth, mBGL	14.70	- 15.15
Sample Type	U	

Note: Sample length <> 45 cm

Description

14.76-15.15m, Grey fine to coarse SAND. Frequent coarse sand, locally medium gravel, size shell fragments.



Sampling information:

Blow Count 27

Recovery 390 mm

Remarks:
Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



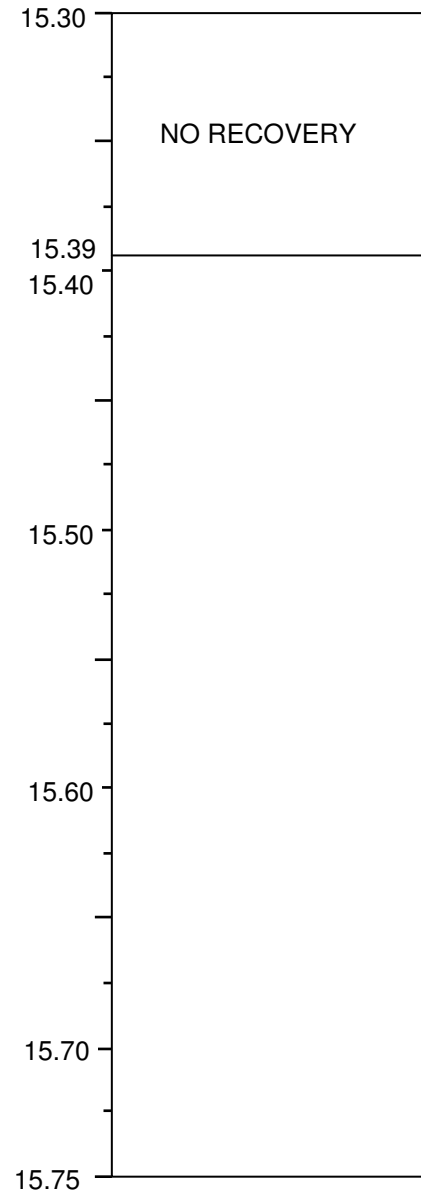
Soil Mechanics

Borehole No	GW15	
Sample No	24	
Sample Depth, mBGL	15.30	- 15.75
Sample Type	U	

Note: Sample length <> 45 cm

Description

15.39-15.75m, Grey fine to medium SAND. Frequent coarse sand and occasional fine gravel size shell fragments.



Sampling information:

Blow Count 40

Recovery 360 mm

Remarks:
Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



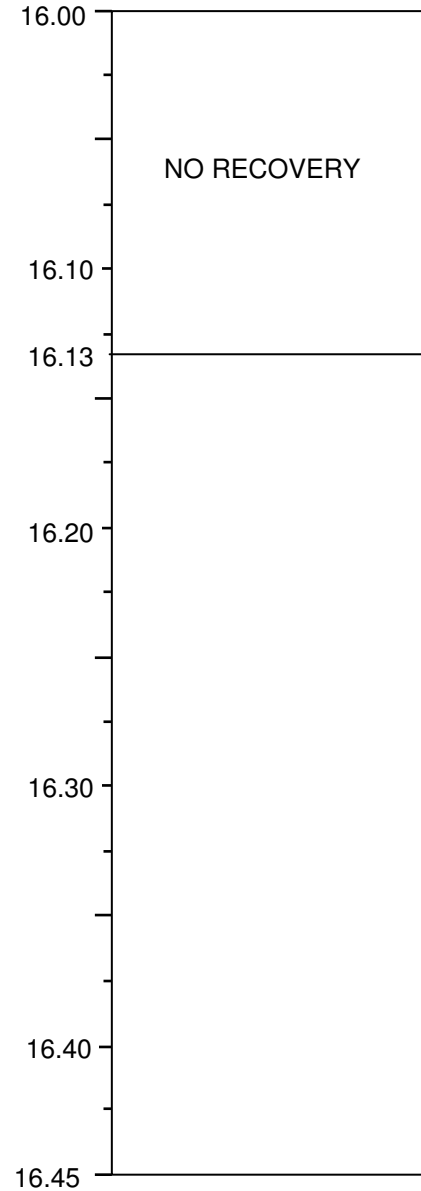
Soil Mechanics

Borehole No	GW15	
Sample No	25	
Sample Depth, mBGL	16.00	- 16.45
Sample Type	U	

Note: Sample length <> 45 cm

Description

16.13-16.43m, Grey fine to medium SAND. Frequent coarse sand and occasional fine gravel size shell fragments.



Sampling information:

Blow Count 44

Recovery 320 mm

Remarks:
Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



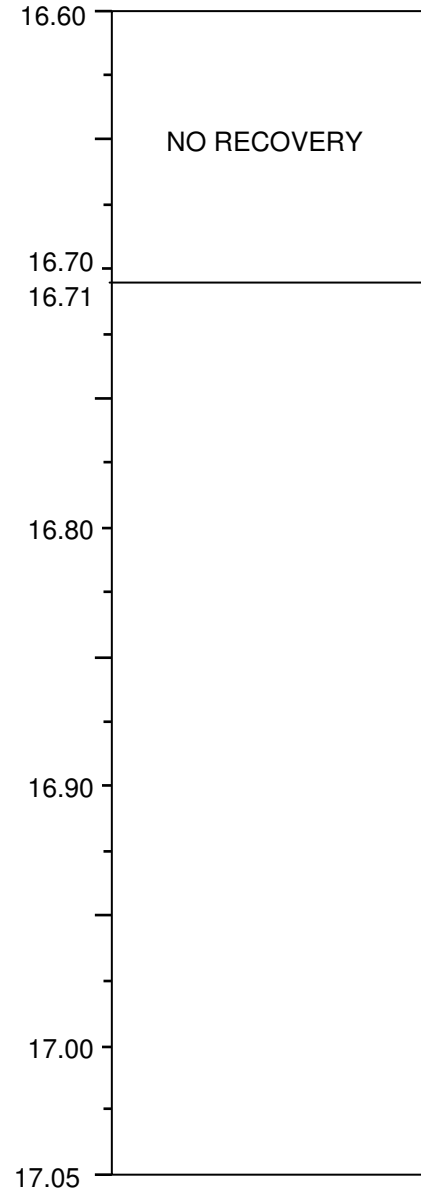
Soil Mechanics

Borehole No	GW15	
Sample No	26	
Sample Depth, mBGL	16.60	- 17.05
Sample Type	U	

Note: Sample length <> 45 cm

Description

16.71-17.05m, Grey fine to medium SAND. Frequent coarse sand size and occasional fine gravel size shell fragments.



Sampling information:

Blow Count 50

Recovery 340 mm

Remarks:
Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



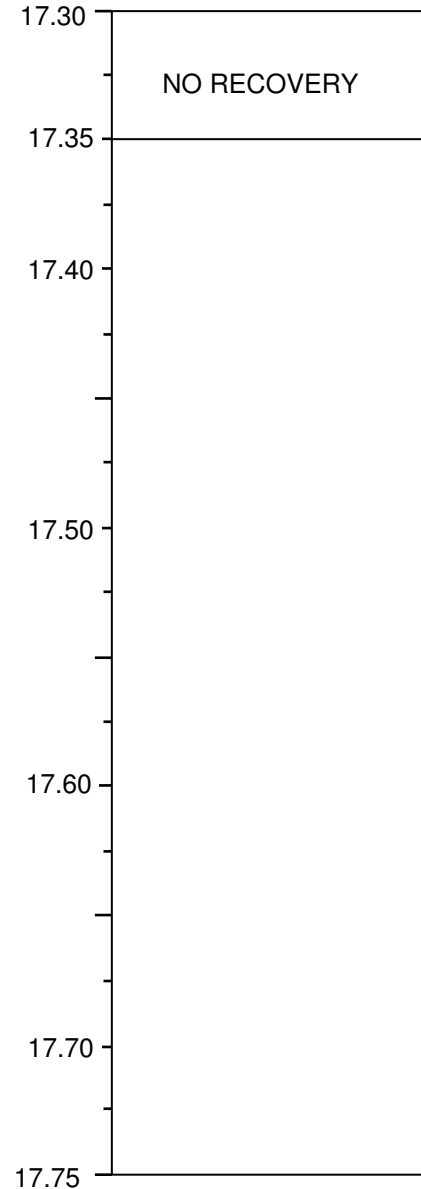
Soil Mechanics

Borehole No	GW15	
Sample No	27	
Sample Depth, mBGL	17.30	- 17.75
Sample Type	U	

Note: Sample length <> 45 cm

Description

17.35-17.75m, Grey fine to medium SAND. Frequent coarse sand and occasional fine gravel size shell fragments.



Sampling information:

Blow Count 80

Recovery 400 mm

Remarks:
Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



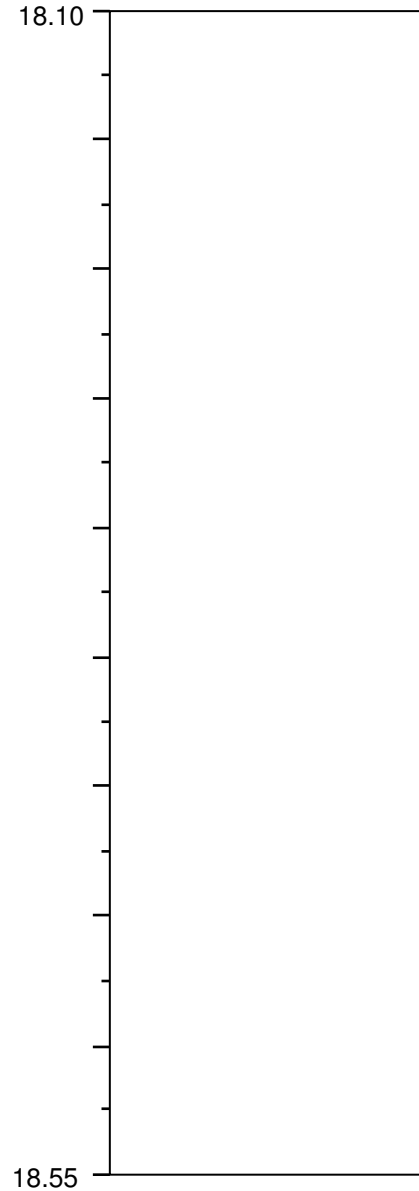
Soil Mechanics

Borehole No	GW15	
Sample No	28	
Sample Depth, mBGL	18.10	- 18.55
Sample Type	U	

Note: Sample length <> 45 cm

Description

18.10-18.53m, Grey fine to medium SAND. Frequent coarse sand and occasional fine gravel size shell fragments.



Sampling information:

Blow Count 17

Recovery 450 mm

Remarks:
Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



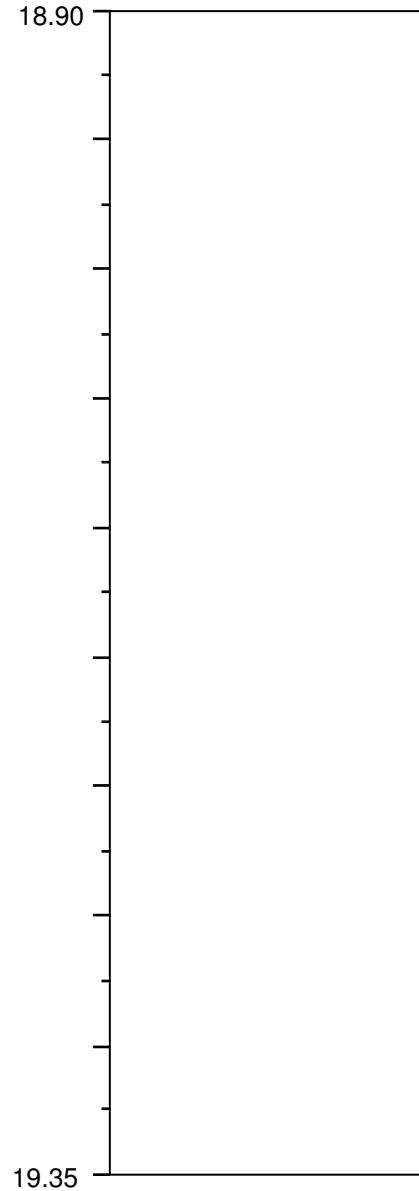
Soil Mechanics

Borehole No	GW15	
Sample No	29	
Sample Depth, mBGL	18.90	- 19.35
Sample Type	U	

Note: Sample length <> 45 cm

Description

18.90-19.35m, Grey fine to medium SAND. Frequent coarse sand and fine gravel size shell fragments.



Sampling information:

Blow Count 83
 Recovery 450 mm

Remarks:
 Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Bh No/Depth GW15
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Split Tube Sample Description



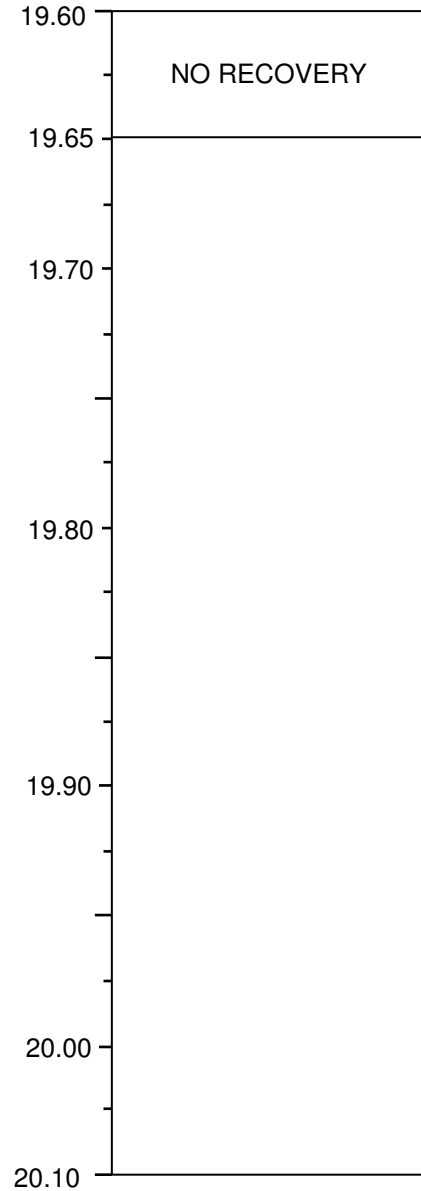
Soil Mechanics

Borehole No	GW15	
Sample No	30	
Sample Depth, mBGL	19.60	- 20.10
Sample Type	U	

Note: Sample length <> 45 cm

Description

19.65-20.10m, Grey fine to medium SAND. Frequent coarse sand and occasional fine gravel size shell fragments.



Sampling information:

Blow Count 40

Recovery 400 mm

Remarks:
Driven U100 sample.

Notes:

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Bh No/Depth
GW15

Split Tube Sample Description



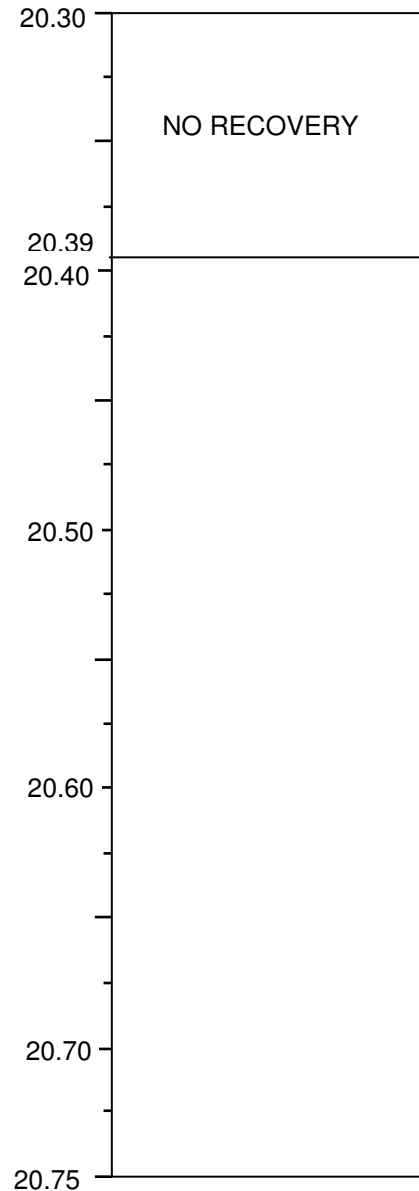
Soil Mechanics

Borehole No	GW15	
Sample No	31	
Sample Depth, mBGL	20.30	- 20.75
Sample Type	U	

Note: Sample length <> 45 cm

Description

20.59-20.75m, Grey fine to medium SAND. Frequent coarse sand size shell fragments.



Sampling information:

Blow Count 30

Recovery 360 mm

Remarks:
Driven U100 sample

Notes:

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
 Project No. A0012-10
 Carried out for NNB Generation Company Limited

Bh No/Depth
GW15

Split Tube Sample Description



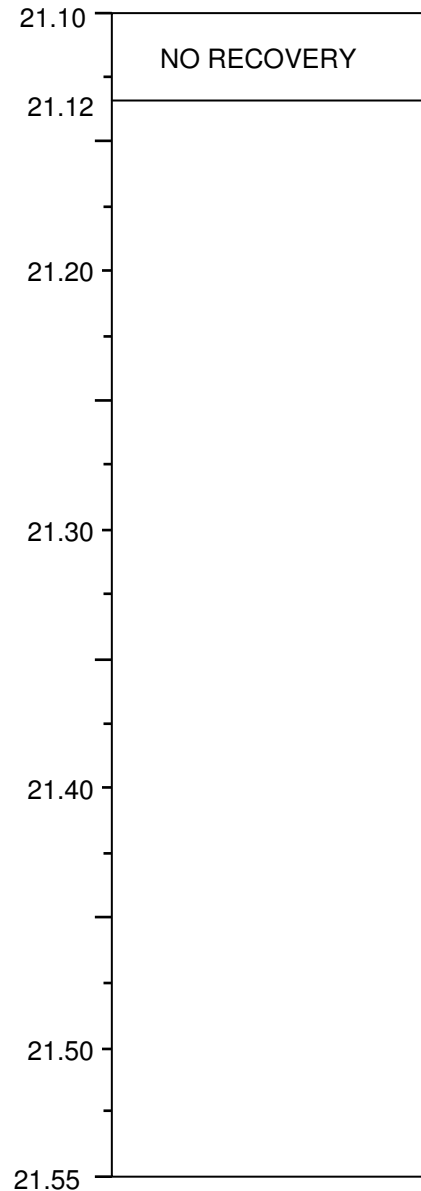
Soil Mechanics

Borehole No	GW15	
Sample No	32	
Sample Depth, mBGL	21.10	- 21.55
Sample Type	U	

Note: Sample length <> 45 cm

Description

21.12-21.55m, Grey fine to medium SAND. Frequent coarse sand size and rare fine gravel size shell fragments.



Sampling information:

Blow Count 47

Recovery 430 mm

Remarks:
Driven U100 sample

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE	Bh No/Depth GW15
	Project No. A0012-10	
	Carried out for NNB Generation Company Limited	

Split Tube Sample Description



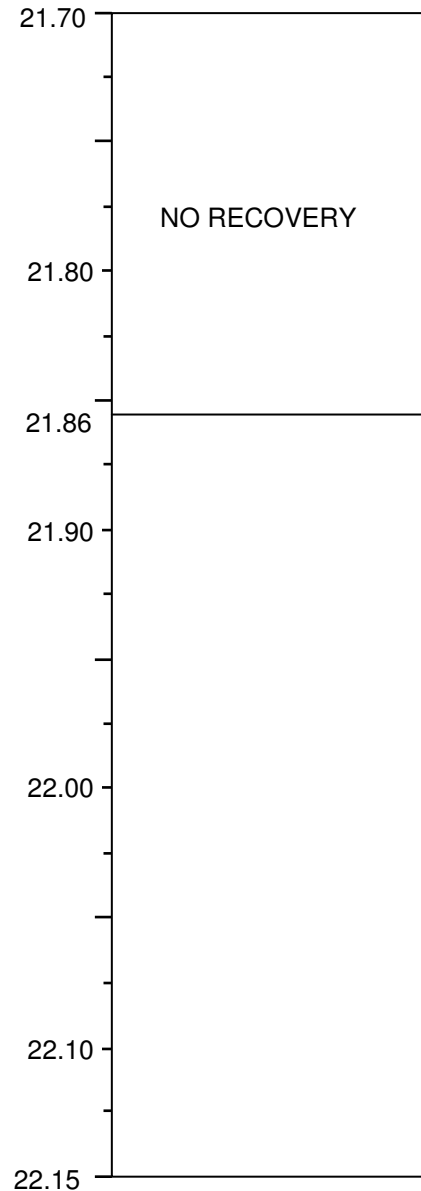
Soil Mechanics

Borehole No	GW15	
Sample No	33	
Sample Depth, mBGL	21.70	- 22.15
Sample Type	U	

Note: Sample length <> 45 cm

Description

21.86-22.15m, Grey fine to medium SAND. Frequent coarse sand size and occasional fine gravel size shell fragments.



Sampling information:

Blow Count 40
 Recovery 290 mm

Remarks:
 Driven U100 sample.

Notes:	Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE Project No. A0012-10 Carried out for NNB Generation Company Limited	Bh No/Depth GW15
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Chalk Discontinuity Log



Soil Mechanics

Discontinuity No	Top, m	Base, m	Type	Set No	Dip, deg	Roughness	Planarity	JRC	Aperture observation	Infill
1	81.00	85.30	BF	1		RO	UN	8	open	
2	81.60	81.60	IND			SM	PL	2	closed	
3	84.37	84.76	J		70	SM	PL	2	closed	grey silt
4	85.22	85.23	INC		30	RO	ST	18	tight	
5	85.30	89.90	BF	2		SM	PL	3	closed	
6	89.59	89.67	IND			SM	PL	1	tight	
7	89.90	101.40	BF	3		RO	PL	3	open	
8	90.38	90.40	IND			SM	ST	17	tight	
9	93.78	93.80	BF			RO	PL	2	infilled	fine to medium chalk gravel
10	94.01	94.04	BF		30	SM	UN	7	closed	
11	94.40	94.77	J			RO	UN	12	open	
12	94.66	94.66	IND			SM	PL	1	tight	
13	95.24	95.90	J			RO	UN	6	closed	
14	99.51	99.88	J			RO	UN	7	open	
16	100.88	100.88	IND			RO	PL	3	tight	
17	101.33	101.33	IND			RO	PL	3	tight	
15	101.40	122.90	BF			RO	UN	6	open	putty chalk
19	102.40	102.70	IND			RO	PL	2	tight	
18	102.60	102.60	IND			RO	PL	2	tight	
20	104.60	104.65	IND			RO	UN	7	open	
21	104.82	104.83	IND			RO	UN	6	open	
22	108.48	108.84	IND			RO	UN	8	open	
23	109.79	109.91	INC			RO	UN	9	tight	
24	110.27	110.33	INC			RO	UN	10	tight	
25	118.99	118.99	INC			RO	UN	8	tight	
26	121.19	121.23	INC			RO	UN	9	tight	

Key

JRC = Joint roughness

Type: **BF** = Bedding fracture
J = Joint
IND = Induced fracture
INC = Incipient fracture
F = Fracture

Roughness: **RO** = Rough
SM = Smooth

Planarity: **UN** = Undulating
PL = Planar
ST = Stepped

Surface Appearance: **M** = Matt

Notes: Prepared: 10/02/2011 11:27

Project **ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE**
 Project No. **A0012-10**
 Carried out for **NNB Generation Company Limited**

Borehole
CBH2009_2

Chalk Discontinuity Log



Soil Mechanics

Discontinuity No	Top, m	Base, m	Type	Set No	Dip, deg	Roughness	Planarity	JRC	Surface appearance	Aperture observation	Infill
1	108.47	109.33	BF	1	0	SM	PL	2	M	closed	clean
2	110.50	113.37	BF	2	0	SM	PL	3	M	open	clean
3	116.45	117.12	BF	3	0	SM	PL	2	M	closed	clean

Key

JRC = Joint roughness

Type: **BF** = Bedding fracture
J = Joint
IND = Induced fracture
INC = Incipient fracture
F = Fracture

Roughness: **RO** = Rough
SM = Smooth

Planarity: **UN** = Undulating
PL = Planar
ST = Stepped

Surface Appearance: **M** = Matt

Notes: Prepared: 10/02/2011 11:27

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Borehole
CBH2009_8U

Chalk Discontinuity Log



Soil Mechanics

Discontinuity No	Top, m	Base, m	Type	Dip, deg	Roughness	Planarity	JRC	Surface appearance	Aperture observation	Infill	Wall weathering
1	85.10	86.13	F	90	RO	UN	8	M	<3mm		
2	85.10	86.44	F	90	RO	UN	8	M	<3mm		
3	86.53	86.77	F	70	RO	UN	8	M	<3mm		
4	93.72	96.50	F	70	RO	UN	6	M	<3mm		
5	99.50	100.33	F	80	RO	UN	9	M	<3mm		
6	100.43	101.44	F	80	RO	UN	9	M	<3mm	Silt	Slight
7	101.52	101.97	F	70	RO	UN	8	M	<3mm	Silt	Slight
8	101.97	102.35	F	80	RO	UN	7	M	<3mm	Silt	Slight
9	103.00	104.00	F	80	SM	PL	6	M	<3mm		
10	111.70	116.80	F	70	SM	PL	6	M	<3mm	Silt	Slight

Key

JRC = Joint roughness

Type: **BF** = Bedding fracture
J = Joint
IND = Induced fracture
INC = Incipient fracture
F = Fracture

Roughness: **RO** = Rough
SM = Smooth

Planarity: **UN** = Undulating
PL = Planar
ST = Stepped

Surface Appearance: **M** = Matt

Notes: Prepared: 10/02/2011 11:27

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Borehole
DBH2009_1

Chalk Discontinuity Log



Soil Mechanics

Discontinuity No	Top, m	Base, m	Type	Set No	Dip, deg	Roughness	Planarity	JRC	Surface appearance	Aperture observation	Infill
1	92.80	96.49	BF	1	10	RO	PL	2		Closed	
2	96.49	97.18	BF	2	10	RO	PL	3		Closed	
3	101.80	110.31	BF	3	10	RO	PL	2		Closed	
7	101.80	101.96	J		85	RO	UN	10		Closed	
8	102.02	102.72	J		80	RO	UN		M	infilled	clay
9	102.95	102.97	BF		10	RO	PL	3	M	infilled	clay
10	105.02	105.03	BF		10	RO	PL	4	M	infilled	clay
11	110.31	110.81	BF		8	RO	PL	3	M	infilled	clay
5	111.40	121.30	BF	5	15	RO	PL	4		Closed	
4	116.31	111.40	BF	4	10	RO	PL	4		Closed	
12	118.24	118.30	IND		30	RO	PL	2		Closed	
13	118.41	119.76	J		80	RO	UN	8		Closed	
14	121.30	122.13	J		85	RO	UN	10		Closed	
15	122.41	122.80	J		70	RO	PL	5		Closed	
6	122.80	125.80	BF	6	8	RO	PL	3		Closed	

Key

JRC = Joint roughness

Type: **BF** = Bedding fracture
J = Joint
IND = Induced fracture
INC = Incipient fracture
F = Fracture

Roughness: **RO** = Rough
SM = Smooth

Planarity: **UN** = Undulating
PL = Planar
ST = Stepped

Surface Appearance: **M** = Matt

Notes: Prepared: 10/02/2011 11:27

Project ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
Project No. A0012-10
Carried out for NNB Generation Company Limited

Borehole
SBP2009_2

Report No A0012-10/3A

ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE

FACTUAL REPORT ON GROUND INVESTIGATION

VOLUME 3A: IN SITU TESTING

**DRILLING PARAMETER RESULTS
MENARD PRESSUREMETER TESTING**

Carried out for: NNB Generation Company Limited

August 2011

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Soil Mechanics part of Environmental Scientifics Group

**ONSHORE INVESTIGATIONS PHASE 1 FOR SIZEWELL SITE
FACTUAL REPORT ON GROUND INVESTIGATION**

**VOLUME 3A : IN SITU TESTING
DRILLING PARAMETER RESULTS
MENARD PRESSUREMETER TESTING**

Report No: A0012-10/3A

Date: August 2011

Employer:

**NNB Generation Company Limited
40 Grosvenor Place
Victoria
London
SW1X 7EN**

Issue No	Date	Details
1	August 2011	Report as submitted

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REPORT STRUCTURE

VOLUME NO	TITLE	REPORT NO
1	TEXT, MONITORING AND DRAWINGS	A0012-10/1
2A	EXPLORATORY HOLE RECORDS: 1:25 SCALE BOREHOLE LOGS	A0012-10/2A
2B	EXPLORATORY HOLE RECORDS: 1:25 SCALE BOREHOLE AND TRIAL PIT LOGS 1:100 SCALE BOREHOLE LOGS SPLIT TUBE SAMPLE DESCRIPTIONS DISCONTINUITY LOGS	A0012-10/2B
3A	IN SITU TESTING: DRILLING PARAMETER RESULTS MENARD PRESSUREMETER TESTING	A0012-10/3A
3B	IN SITU TESTING: CONE PENETRATION TESTING GEOPHYSICAL TESTING PUMPING TEST	A0012-10/3B
3C	IN SITU TESTING: SELF BORING PRESSUREMETER TESTING	A0012-10/3C
4	GEOTECHNICAL LABORATORY TESTING	A0012-10/4
5	PHOTOGRAPHS	A0012-10/5
6	COMPREHENSIVE AND DATA INTEGRATION REPORT	A0012-10/6

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A **FONDASOL FACTUAL REPORT**

ENCLOSURE A
FONDASOL FACTUAL REPORT

Fondasol Report

ML.10-119-Doc No. 001

ML.10-119-Doc No. 002



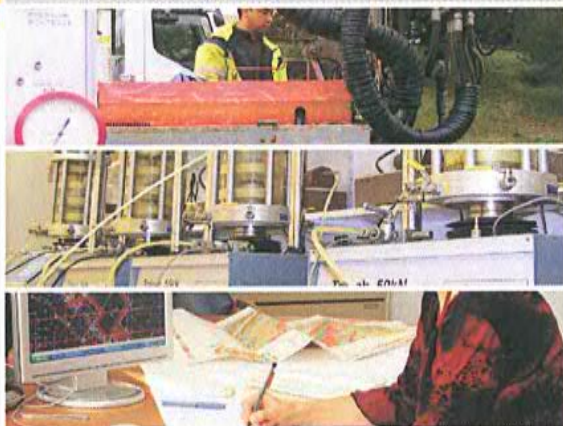
Nantes -Tél. 00.33.2 51 77 86 50



SOIL MECHANICS LTD
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**PRELIMINARY ONSHORE
INVESTIGATIONS FOR
SIZEWELL 'C' POWER STATION**
Menard Pressuremeter Tests
Recording of Drilling Parameters
Piezometer Installation at
Sizewell, Leiston (IP16 4UR)
DRAFT FACTUAL REPORT.

ML.10-119 – Doc. n° 001 - Draft



Revision Sheet

FTQ.261-A

Rev.	Date	Nb pages	Modifications	Written by		Checked by	
				Nom	Visa	Nom	Visa
Draft	27/01/2010			A.ANDRE		M.FLEURY	
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B							
C							

PAGE	REV	A	B	C	PAGE	REV	A	B	C
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I. Introduction

At the request of **EDF ENERGY** and **SOIL MECHANICS**, we carried out a ground investigation from 14th July to 16th December 2010. The investigation works are located to the north of Sizewell 'B' Power Station, Sizewell Gap, Sizewell, near Leiston, Ipswich IP16 4UR.

FONDASOL is to provide information on the geology as well as the interpretation of the ground response curves obtained from the Ménard Pressuremeter tests. Destructive boreholes were also carried out for the installation of piezometer equipments. Recording of the drilling parameters (including penetration rate, bit revolution, bit load, torque, flushing medium pressure, rate of water supply) was provided for all Ménard PressureMeter (MPM) and destructive (DBH) boreholes.

Interpretation of the Ménard Pressuremeter test results to derive pile or settlements design parameters is outside the scope of this report.

Consequently, we carried out the following ground investigation programme as agreed with Mrs. Valérie Sellier (EDF CEIDRE) and Mr. James Huntington (SOIL MECHANICS), under the supervision of the Site Manager Mr. Ben Swallow (SOIL MECHANICS) and in accordance to EDF's "Zero Harm" policy :

- **3 N° MPM geological boreholes** (noted MPM2009_01, MPM2009_02 and MPM2009_13) were advanced down to a depth of **100.0 m** below ground level (bgl.). Ménard Pressuremeter tests were carried out at intervals of 1.0 m from a depth of 10.0 m bgl.
- **10 N° MPM geological boreholes** (noted MPM2009_03 to MPM2009_12) were advanced down to a depth of between **49.0m to 52.0m** bgl. in order to encounter the top of the London Clay. Ménard Pressuremeter tests were carried out at intervals of 1.0 m from a depth of 10.0 m bgl.
- **13 N° DBH destructive boreholes** (noted DBH2009_03 to DBH2009_15) were advanced down to a depth of between **20.0 m to 35.0 m** bgl.

Our mission follows the acceptance of our quotation n°01.11.09 dated 27th November 2009 and the receipt of Soil Mechanics Purchase Order dated 05th March 2010 and referenced N° 120527.

2. Site Description

The site is located to the north and to the south of the existing Sizewell 'A' and 'B' Power Station, along the Suffolk East Coast of England. Boreholes were carried out either in Field 1, Field 2 or Field 3 covered with grass, or in the Woodlands or on the Foreshore, by the North Sea.

The site location is shown in Appendix A1 (Appendix A1, Site location plan).

The final position of the boreholes was surveyed under the supervision of Mr. Chris Hustler (SOIL MECHANICS) and provided by Mr. Mathew Taylor (SOIL MECHANICS). The elevation (Z) and coordinates (X, Y) of the 26 borehole locations are recorded on each borehole log.

The borehole location is shown in Appendix A2 (Appendix A2, Borehole location plan).

3. Scope of Works

It was proposed to carry out 13 N° Ménard Pressuremeter (MPM) boreholes taken down to a depth of between 49.0 m to 100.0 m bgl. and 13 N° Destructive (DBH) Boreholes taken down to a depth of between 20.0 m to 35.0 m bgl for the installation of piezometer equipments.

Recording of the drilling parameters (including penetration rate, bit revolution, bit load, torque, flushing medium pressure, rate of water supply) was provided for all Ménard PressureMeter (MPM) and destructive (DBH) boreholes.

Hence, it was proposed to rotary drill from the ground surface through Made Ground, Recent Deposits, Crag Deposits, London Clay, Lambeth Group and Upper Chalk.

After drilling passes not exceeding 3.0 to 5.0 m in length, Ménard Pressuremeter tests were carried out in each stratum at an interval of 1.0 m from a depth of 10.0 m bgl. in agreement with our given instructions.

This factual report presents the results of our investigation.

I. Type of rigs

Three crawler mounted hydraulic rotary-drilling rigs, namely a SOCOMAFOR 4 (Operator : Mr. D. Moity) an EMCI 700 (Operator : Mr. M.Juvany) and a MC 450 (Mr. H.Dutertre), were used to drill the 26 N° boreholes to a depth of between 20.0 m to 100.0 m bgl.



Photo 1 – View of the site and of MC 450 and EMCI 700.

The following drilling bits were used : a 64mm diameter drilling bit and a 64mm diameter tricone bit. The different bits were used in rotation mode mainly, in order to calibrate the borehole in 64mm diameter for subsequent pressuremeter tests.

Temporary 68/83mm diameter rotary steel casing was installed in boreholes to maintain the stability of the first 10.0 to 82.0 m. (mainly Made Ground, Recent Deposit, Crag Deposit and Lambeth Sand).

Aquifer protection was also provided for the three deep MPM boreholes to a depth of 49.0 m to 50.0 m, using a 168/178mm diameter outer rotary steel casing anchored at least 3.0 m in the London Clay.

The stability of the rest of the borehole was maintained by continuously injecting an attapulgite clay-based support fluid for MPM boreholes using clean mains water to resist the saline sea-water table.

Biodegradable foragum polymer-based fluid was used to drill DBH boreholes. All DBH boreholes were rinsed using clean mains water prior to the installation of piezometer equipments.

2. Nature of the soils encountered

During ground investigation and drilling works, representative samples were taken in order to identify the various strata encountered.

Details of the soil encountered can be found at the end of this report, in the borehole log section (Appendix A3, Pressuremeter Borehole logs and Appendix A4, Destructive Borehole logs).

The Ménard Pressuremeter Equipment and principles

I. Equipment

The equipment comprises of three units:

- The Volume Pressure Controller (VPC)

The equipment we use is specifically designed to ensure that a minimum of 5 MPa can be exerted by the probe (cf. *photo 1*, below) in order to get the full ground response curve.



Photo 1. The volume pressure controller

- The Ménard inflatable probe (shown on photos 2 and 3, below),
- The co-axial flexible cable allowing air and water to circulate between the two above units.



Photo 2

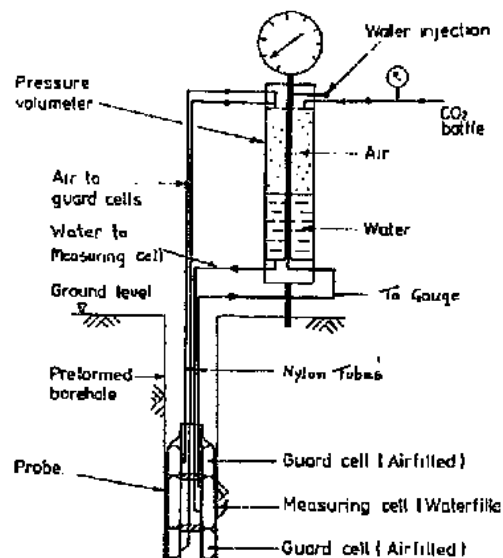


Photo 3

2. Principles of the tests

The soil strength and deformation is measured using a standard 60mm diameter probe (shown on photos 2 and 3, above). Rubber membranes are either normal or reinforced depending on the envisaged limit pressure to reach.

The probe is inserted in the pre-formed borehole (Figure 1, hereafter) and drilling passes do not exceed 5.0m, in accordance with the borehole sides' stability and with standard NFP 94-110.



*Figure 1 - Diagrammatic sketch of the Ménard Pressuremeter
(Gibson and Anderson, 1961)*

The principle of the test consists in inflating a 210mm-long cylindrical water-filled cell to apply a minimum of 8 pressure increments (constant loading during 60 seconds) and record the change of volume of the water-filled cell at 15s, 30s and 60s. All the tests are pushed to a maximum pressure of 5 MPa or until a minimum of three points are obtained after reaching the creep pressure (noted P_{Creep} or P_f) or when 600 cm³ injection is reached.

The two types of correction tests (membrane stiffness and volume-pressure-controller stiffness) are carried out in accordance with Standard NFP94-110 and taken into account in the interpretation of the ground response curves.

A diagram of a typical pressuremeter test curve is shown on Figure 2 (below) and results of the 660 N° Ménard Pressuremeter tests are enclosed in Appendix A1 (Appendix A1 of document n°002, Interpreted ground response curves) and Appendix A2 (Appendix A2 of document n°002, Summary of pressuremeter results) of a separate document.

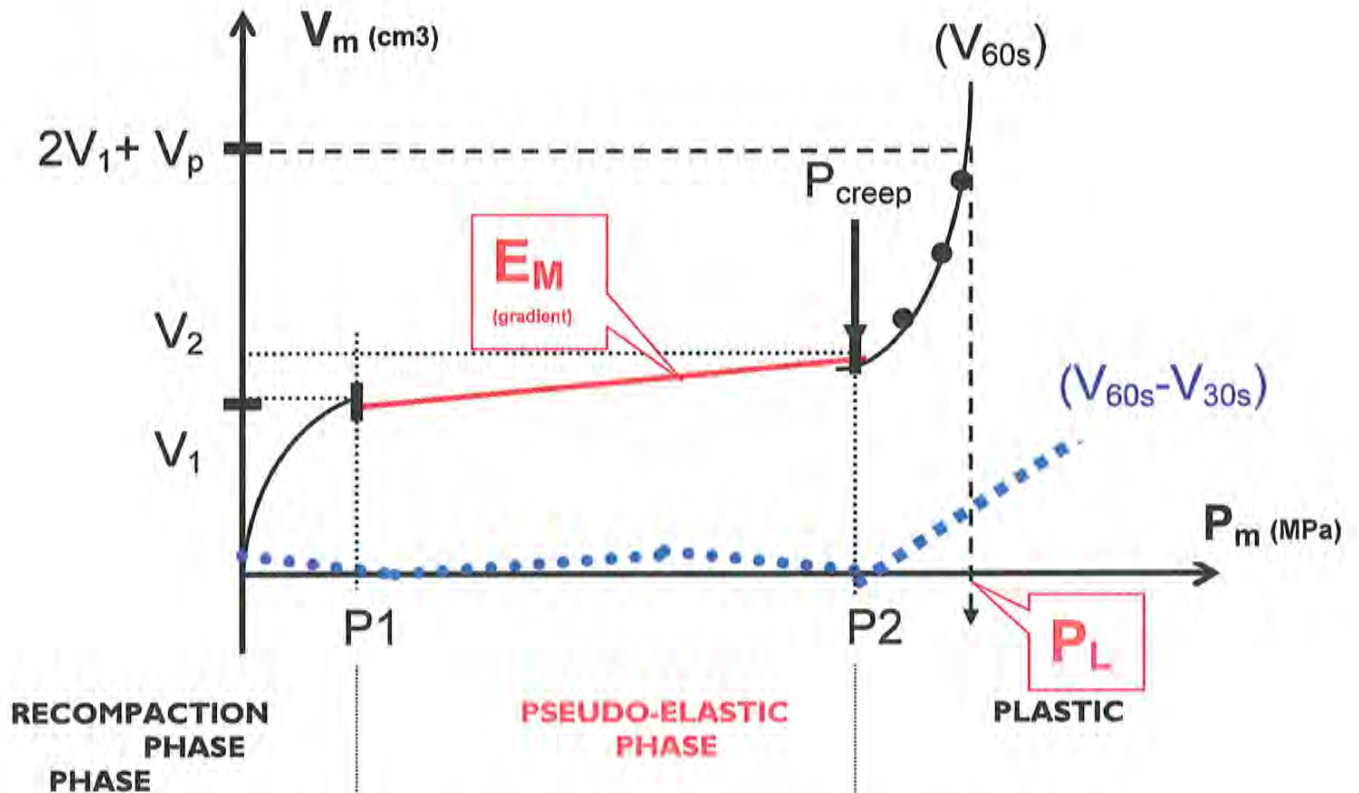


Figure 2 – Diagram of a typical pressuremeter test curve

The volume of the probe at 60 seconds is plotted and is noted the (V_{60s}) curve. On the same graph the difference of volume between 60s and 30s is also plotted and is noted the ($V_{60s}-V_{30s}$) curve, on the above diagram.

Where:

- V_m : is the measured Volume of the water-filled cell (cm^3), on the vertical axis.
- P_m : is the measured Pressure exerted by the water-filled cell (MPa), on the horizontal axis.
- V_p : is the Volume of the probe at rest and is 535 cm^3
- V_1/P_1 : is the volume and pressure of the cell at the end of the re-compaction phase.
- V_2/P_2 : is the volume and pressure of the cell at the end of the pseudo-elastic phase.

From this curve the three fundamental parameters are derived:

- P_{creep} : creep pressure (in MPa)
- P_L : limit pressure (in MPa)
- E_M : pressuremetric deformation modulus (Ménard modulus in MPa)

By definition, P_{creep} is the limit between the end of the pseudo-elastic phase and the beginning of the plastic phase. P_L is defined as the Pressure of the soil for which the probe has doubled its volume V_1 . Finally, E_M is the gradient or slope of the straight line during the pseudo-elastic phase of the test.

Results of the Ground Investigation

1. Introduction

Our 26 N° boreholes, designated MPM2009_01 to MPM2009_13 and DBH2009_03 to DBH2009_15, taken down to a depth of between 20.0 m to 100.0 m bgl., confirmed the anticipated geological sequence.

Nature of the soil is based on the description of the driller and checked by a geotechnical engineer.

Depth of each stratum is based on the statistical analysis of Ménard Pressuremeter tests and the recorded Penetration Rate.

2. Geotechnical description

2.1. Nature of the soil encountered

During ground investigation our drillers encountered the following strata:

- **Made Ground.** It consists of beige ocre, orange, reddish-brown silty SAND with shell fragments.
- **Recent Deposit.** It consists of dark grey to black silty PEAT with traces of vegetable matter. Sometimes a dark brown slightly clayey peaty SILT was encountered.
- **Crag Deposits.** It consists of beige to grey green medium to coarse SAND with locally many shell fragments. It can be locally very cemented. Superficial Crag Deposits can have clay lenses. It seems more clayey towards the base of the stratum as shown in MPM2009_10 and MPM2009_12 from a depth of about 30.0 m bgl.

Based on our statistical analysis of pressuremeter tests we have defined three layers within the Crag Deposits. We named them Crag 1, Crag 2 and Crag 3.

- **London Clay**. It consists of dark brown to dark grey plastic CLAY with claystones. A dark grey shelly CLAY or a light grey sandy CLAY with sand bands and some shell fragments were also encountered on top of the London Clay stratum in MPM2009_09 and MPM2009_12 only.

Very high deformation moduli were measured in the three deep boreholes between a depth of 56.0 and 58.0 m bgl. within the London Clay. These values let us think there is very cemented zone at the base of the London Clay (that is said to be generally very sandy). Rotary cored holes should help to identify the nature of this zone.

- **Lambeth Sand**. It consists of grey slightly clayey medium SAND with shell fragments.
- **Lambeth Clay**. It consists of reddish plastic CLAY in MPM2009_01 and MPM2009_02. The colour of the clay was black in MPM2009_13 only.
- **Upper Chalk**. It consists of white CHALK with flints.

Notes:

1. *Please note that the quality of the samples retrieved from rotary drilling for subsequent MPM testing is not the same as the sample retrieved from cable-percussive drilling and therefore not as good. However some intact samples were taken using a percussive core barrel at regular intervals to identify the main geological features.*
2. *Our geological description is based on the observation of disturbed and intact soil cuttings by a geotechnical engineer, the lead driller's notes and pressuremeter results when available. Without Pressuremeter tests our geological boundaries are uncertain and based on the driller's notes only.*
3. *The recording of drilling parameters of our drilling rigs has enabled a better determination of the contrast between the Recent Deposits and the Crag Deposits mainly than the driller's note only..*

2.2. Depth of strata

From the statistical analysis we carried out based on 660 n° Ménard Pressuremeter test results and the recorded Penetration Rate we defined the depths of each stratum as follows.

a) Depth of the base of Recent Deposit based on penetration rates in the DBH boreholes only.

Based on the recording of the penetration rate only, and for each DBH borehole, we have split in two strata a) the top sandy MADE GROUND (Top Sand) and b) the peaty soil of the CRAG DEPOSITS (Peaty Soils). In the chart below we can find the depth of the base of each strata per each DBH borehole.

Base of strata (m)	DBH Boreholes													
	Geology	DBH3	DBH4	DBH5	DBH6	DBH7	DBH8	DBH9	DBH10	DBH11	DBH12	DBH13	DBH14	DBH15
Top Sand	2,08	4,32	7,32	4	7,74	10,4	4,86	9,14	4,72	10,4	5,16	4,98	6,11	
Peaty Soil	11,3	10,44	10,52	10,86	10,72	16,94	11,16	15,3	10,82	13,9	9,16	8,96	9,03	

Hence as a summary based on DBH holes and without differentiation between the two drilling rigs EMCI 700 and SOCO, we statistically obtained:

Base of strata (m)	STATISTICS on DEPTH				
	Geology	MIN	MAX	MEAN	SD
Top Sand	2,08	10,4	6,2	2,6	41
Peaty Soil	8,96	16,94	11,5	2,4	21

Where SD is the standard deviation ($sd = \text{ecart-type}$).

Where D is the dispersion ($sd \text{ divided by mean } \times 100$).

However we found the dispersion on the depth of the base of the Recent Deposit was quite important (21%) and we decided to correct the above red values by the green values, assuming the base of the Recent Deposit would be around a depth of 10.00 m from information provide by Mr. Peter Hepton (SOIL MECHANICS).

Base of strata (m)	STATISTICS on DEPTH				
	Geology	MIN	MAX	MEAN	SD
Top Sand	2,08	7,74	5,1	1,6	32
Peaty Soil	8,96	11,3	10,2	0,8	8

From this correction the dispersion is reduced to only 8% and the average depth of the Recent Deposit would be 10,20 m bgl. based on the contrast of penetration rates between strata.

It can be concluded that the change of colour of the drilling fluid that comes out of the destructive borehole is not precise enough to define the boundaries between each strata.

This is particularly the case for our boreholes DBH2009_08; DBH2009_09, DBH2009_10 and DBH2009_11 which were all carried out by EMCI 700. In these boreholes erroneous depths of Recent Deposit were given (ranging from 15.00 to 18.00 m bgl.).

Hence we recommend to rely on the Cone Penetration Tests that were carried out by SOIL MECHANICS to correct the geological boundaries defined by our drillers (based on the colour change of the drilling fluid) in our DBH boreholes.

The penetration rate indeed helped to define more precisely the boundaries but when the penetration rate is low, it is difficult to be assertive on the boundaries because the contrast is low. This was the case for the penetration rate recorded by the EMCI 700. The comparison on the definition of strata boundaries between the two rigs is as follows:

SOCO	STATISTICS on DEPTH OF BASE OF STRATA (m)				
	MIN	MAX	MEAN	SD	D (%)
Top Sand	4,00	7,74	5,54	1,38	25
Peaty Soil	8,96	10,86	10,04	0,83	8

EMCI	STATISTICS on DEPTH OF BASE OF STRATA (m)				
	MIN	MAX	MEAN	SD	D (%)
Top Sand	2,08	10,40	7,34	3,77	51
Peaty Soil	11,16	16,94	13,72	2,52	18

This proves that when the penetration rate is twice as fast (for the SOCO about 80 m/hour and for the EMCI about 50 m/hour as shown in paragraph 2.3) the definition of boundaries is more precise.

b) Depth of the base of strata based on MPM tests

Based on the results of the 660 n° Menard Pressuremeter tests, and for each MPM borehole, we have split various strata with our own following criteria :

- Top of Crag 1 deposit when first value of PL > 1MPa,
- Top of Crag 2 deposit when first value of EM > 100 MPa,
- Top of Crag 3 deposit when first value of EM > 200 MPa,

We have used the Limit Pressure to define the Crag 1 because it is generally more reliable than the Deformation Modulus. However due to the use of a pressuremeter equipment limited to 5 MPa, the limit pressure could not always be properly assessed when there is no sign of creep. Hence we relied on the Deformation Modulus which is always measured (although not as precise as the Limit Pressure) to define Crag 2 and Crag 3.

Note :

In our interpretation of MPM tests we assumed that sandy soils are between normally and over consolidated and therefore the ratio between EM/PL should be around 12. When you assume this, then we noted that the PL obtained with the Inverse Methode (i) is closer to EM/PL =12 than the PL obtained with the Hyperbolic Methode (h). That is why our interpretation made us choose PL (i) rather than PL (h) although our MPM equipment is limited to 5 MPa. We think it is conservatory anyway to use PL (i) because in general the EM is underestimated due to the technique of drilling (it is not selfboring pressuremeter).

Hence we made our interpretation choosing the PL (i) systematically to be consistent in our interpretation, and not PL (h) on occasions.

In the chart below we can find the depth below ground level of the head of each stratum per each MPM borehole.

Head of strata (m)	Borehole												
	MPM_13	MPM_01	MPM_02	MPM_03	MPM_04	MPM_05	MPM_06	MPM_07	MPM_08	MPM_09	MPM_10	MPM_11	MPM_12
Geology													
Crag 1	14	11	10	10	11	10	10	11	14	10	10	10	10
Crag 2	19	23	23	22	21	17	23	23	23	23	17	30	27
Crag 3	41	36	31	35	34	37	33		38		38	40	
London Clay	48	45	43	43	45	44	46	44	46	51,5	43	47	43
Lambeth Sand	58	59	59										
Lambeth Clay	75	71	77										
Upper Chalk	84	82	82										

Hence as a summary based on MPM boreholes and without differentiation between the three drilling rigs EMCI 700, SOCO, and MC450 we statistically obtained the mean depth for each strata :

Head of strata (m)	STATISTICS on DEPTH					
	Geology	MIN	MAX	MEAN	SD	D (%)
Crag 1		10.0	14.0	10.8	1.5	13
Crag 2		17.0	30.0	22.4	3.6	16
Crag 3		31.0	41.0	36.3	3.1	9
London Clay		43.0	51.5	45.3	2.5	5
Lambeth Sand		58.0	59.0	58.7	0.6	1
Lambeth Clay		71.0	77.0	74.3	3.1	4
Upper Chalk		82.0	84.0	82.7	1.2	1

We have carried out the same analysis based on OD levels provided by SOIL MECHANICS and the results are as follows per each MPM borehole:

Head of strata (m)	Borehole												
	MPM_13	MPM_01	MPM_02	MPM_03	MPM_04	MPM_05	MPM_06	MPM_07	MPM_08	MPM_09	MPM_10	MPM_11	MPM_12
ElevationOD	3,336	2,01	1,604	1,854	1,567	2,031	2,038	1,808	3,718	6,117	1,415	8,139	8,792
Crag 1	-10,7	-9,0			-9,4			-9,2	-10,3				
Crag 2	-15,7	-21,0	-21,4	-20,1	-19,4	-15,0	-21,0	-21,2	-19,3	-16,9	-15,6	-21,9	-18,2
Crag 3	-37,7	-34,0	-29,4	-33,1	-32,4	-35,0	-31,0		-34,3		-36,6	-31,9	
London Clay	-44,7	-43,0	-41,4	-41,1	-43,4	-42,0	-44,0	-42,2	-42,3	-45,4	-41,6	-38,9	-34,2
Lambeth Sand	-54,7	-57,0	-57,4										
Lambeth Clay	-71,7	-69,0	-75,4										
Upper Chalk	-80,7	-80,0	-80,4										

Our conclusion on the mean depth of strata based OD levels from all MPM results is as follows :

Head of strata (m)	STATISTICS on ELEVATION (OD m)					
	Geology	MIN	MAX	MEAN	SD	D (%)
Crag 1		-10.7	-9.0	-9.7	0.7	7
Crag 2		-21.9	-15.0	-19.0	2.5	13
Crag 3		-37.7	-29.4	-33.5	2.5	8
London Clay		-45.4	-34.2	-41.9	2.8	7
Lambeth Sand		-57.4	-54.7	-56.4	1.5	3
Lambeth Clay		-75.4	-69.0	-72.0	3.2	4
Upper Chalk		-80.7	-80.0	-80.4	0.3	0

The dispersion seems to be reduced when working with OD levels.

2.3. Analysis of drilling parameters (penetration rate)

a) From DBH boreholes

Because drillers do not set their rigs in the same manner, we differentiated the works carried out by SOCO on one side and EMCI 700 on the other side.

Below is the statistical analysis of the average penetration rate, per identified strata, over the first 35.0m, in the 13 n° DBH boreholes.

		STATISTICS on PENETRATION RATE (m/h)				
		MIN	MAX	MEAN	SD	D (%)
SOCO	MIN	0	4	1	1	126
	MAX	144	275	206	52	25
Top Sand	MOY	67	140	98	28	29
	SD	23	66	38	14	37
	D (%)	30	49	39	7	18
	MIN	0	16	4	5	123
Peaty Soil	MAX	98	288	189	71	37
	MOY	45	182	107	50	47
	SD	15	47	33	12	37
	D (%)	20	53	34	12	36
Crag Deposit	MIN	0	4	1	1	127
	MAX	95	229	167	47	28
	MOY	44	67	57	7	13
	SD	15	20	17	2	12
	D (%)	25	46	31	7	22

		STATISTICS on DEPTH OF BASE OF STRATA (m)				
		MIN	MAX	MEAN	SD	D (%)
SOCO	MIN	4.00	7.74	5.54	1.38	25
	MAX					
Top Sand	MOY					
	SD					
	D (%)					
	MIN					
Peaty Soil	MAX	8.96	10.86	10.04	0.83	8
	MOY					
	SD					
	D (%)					

		STATISTICS on PENETRATION RATE (m/h)				
		MIN	MAX	MEAN	SD	D (%)
EMCI	MIN	0	8	2	4	208
	MAX	56	242	182	77	42
Top Sand	MOY	33	52	43	8	20
	SD	14	39	25	10	39
	D (%)	40	94	60	26	44
	MIN	0	3	1	1	149
Peaty Soil	MAX	102	139	126	15	12
	MOY	30	58	41	12	30
	SD	12	21	17	3	18
	D (%)	33	55	42	9	20
Crag Deposit	MIN	0	0	0	0	137
	MAX	74	184	108	44	41
	MOY	26	38	32	5	17
	SD	8	25	12	7	60
	D (%)	25	66	37	17	46

		STATISTICS on DEPTH OF BASE OF STRATA (m)				
		MIN	MAX	MEAN	SD	D (%)
EMCI	MIN	2.08	10.40	7.34	3.77	51
	MAX					
Top Sand	MOY					
	SD					
	D (%)					
	MIN					
Peaty Soil	MAX	11.16	16.94	13.72	2.52	18
	MOY					
	SD					
	D (%)					

It is interesting to note that :

- the contrast between soft Recent Deposits and the Crag Deposits is better as the penetration rate is more important. For SOCO the contrast is about 150m/h compared to 70m/h whereas for EMCI the contrast is only about 55m/h compared to 40m/h.
- due to the low penetration rate of the EMCI, the average depth of strata shown above for EMCI is erroneous as already explained page 14.

b) From MPM boreholes

Because drillers change the settings of their rigs during drilling in order to adapt to ground conditions for the quality of Ménard Pressuremeter tests, we differentiated the works carried out by SOCO, EMCI and MC450.

Below is the statistical analysis of the average penetration rate, per identified strata, over the first 100.0m, in the 13 n° MPM boreholes.

	EMCI	STATISTICS on PENETRATION RATE					STATISTICS on DEPTH OF BASE OF STRATA				
		MIN	MAX	MEAN	SD	D (%)	MIN	MAX	MEAN	SD	D (%)
Top Sand	MIN	0	0	0	0	109					
	MAX	84	818	248	319	128					
	MOY	42	95	68	21	31	8,94	13,32	10,36	1,77	17,13
	SD	16	124	40	47	117					
	D (%)	25	131	52	44	85					
	MIN	0	1	0	0	89					
Crag 1	MAX	84	1085	306	437	143					
	MOY	22	82	50	29	59	19,10	23,38	21,72	1,83	8,45
	SD	8	179	49	73	147					
	D (%)	32	218	78	79	102					
	MIN	0	2	0	1	209					
	MAX	73	239	160	68	43					
Crag 2	MOY	17	70	42	22	52	31,25	36,18	34,05	2,29	6,73
	SD	11	26	18	7	38					
	D (%)	33	70	48	15	32					
	MIN	0	1	0	1	162					
	MAX	68	249	152	80	52					
	MOY	16	48	35	15	43	42,83	46,84	44,95	1,82	3,60
Crag 3	SD	9	28	17	8	45					
	D (%)	31	63	52	15	28					
	MIN	0	1	1	1	81					
	MAX	82	343	180	113	63					
	MOY	16	48	27	12	40					
	SD	11	23	17	5	28					
London CLY	D (%)	39	129	74	40	55					
	MIN	0	3	1	1	73					
	MAX	106	524	304	127	42					
	MOY	23	246	118	72	62	9,27	13,30	10,91	1,77	16,21
	SD	17	119	59	31	53					
	D (%)	33	80	58	19	33					
Crag 1	MIN	0	3	1	1	161					
	MAX	93	229	158	53	34					
	MOY	19	47	34	11	32	16,82	28,24	22,19	3,87	17,44
	SD	10	27	15	5	35					
	D (%)	26	63	47	13	27					
	MIN	0	4	1	1	123					
Crag 2	MAX	60	158	107	39	36					
	MOY	22	88	35	11	33	35,88	40,10	38,19	1,53	4,01
	SD	8	19	12	4	35					
	D (%)	22	53	36	10	29					
	MIN	0	5	2	2	114					
	MAX	78	378	144	117	81					
Crag 3	MOY	32	47	38	5	14	42,54	50,14	45,30	2,59	6,73
	SD	8	54	18	18	95					
	D (%)	21	114	45	35	76					
	MIN	0	26	6	9	161					
	MAX	75	965	249	309	124					
	MOY	25	335	87	102	117					
London CLY	SD	7	303	81	102	168					
	D (%)	16	97	49	30	61					
	MIN	0	0	0	0	0					
	MAX	184	371	246	110	45					
	MOY	32	57	44	13	29	73,38	73,59	73,47	0,11	0,15
	SD	23	76	41	30	72					
Clayey SND	D (%)	59	132	68	39	45					
	MIN	0	0	0	0	173					
	MAX	74	629	306	289	94					
	MOY	9	160	64	64	133	79,50	82,00	80,89	1,27	1,57
	SD	8	97	43	47	109					
	D (%)	60	121	89	30	34					
Red CLY	MIN	0	0	0	0	0					
	MAX	135	321	244	97	40					
	MOY	32	78	60	24	41					
	SD	25	46	35	11	31					
	D (%)	47	78	61	16	25					
	White CHLK										

It is interesting to note that :

- depths obtained (with average penetration rate per machine) are comparable to those obtained based on MPM tests results. However we would recommend to rely more on the boundaries defined by MPM tests results which are on average 0,50m deeper than the ones given by the penetration rate.

2.4. Analysis of pressuremeter tests results

660 N° Ménard Pressuremeter tests were carried out to define the in-situ soil mechanical characteristics of the various strata encountered. On the basis of Ménard Pressuremeter test results, the following was observed based on a statistical analysis that is detailed in the Appendix A5 :

a) Analysis of the limit pressure for each strata.

STATISTICS on PL					
	MIN	MAX	MEAN	SD	D (%)
Alluvium					
Min	0,36	0,64	0,44	0,11	26
Max	0,36	0,89	0,57	0,21	37
Mean	0,36	0,64	0,49	0,11	22
Std Devia	0,06	0,24	0,15	0,12	83
Devia	12,80	43,02	27,91	21,37	77
Crag 1					
Min	1,05	3,91	2,01	0,99	49
Max	4,75	10,87	8,16	1,82	22
Mean	3,04	6,09	4,64	0,96	21
Std Devia	1,07	3,25	2,25	0,74	33
Devia	17,64	66,34	49,71	14,33	29
Crag 2					
Min	4,48	9,38	6,40	1,33	21
Max	9,01	19,58	13,51	2,97	22
Mean	7,19	11,64	9,18	1,29	14
Std Devia	0,86	3,61	2,26	0,81	36
Devia	10,91	37,65	24,39	7,39	30
Crag 3					
Min	5,90	10,83	7,34	1,51	21
Max	6,14	19,65	13,31	5,17	39
Mean	6,14	15,89	10,06	2,96	29
Std Devia	2,00	4,72	3,32	0,89	27
Devia	17,89	39,29	29,13	7,31	25
London Clay					
Min	2,02	5,42	3,31	0,95	29
Max	3,44	7,51	4,81	1,04	22
Mean	3,14	5,68	4,03	0,87	22
Std Devia	0,17	1,49	0,60	0,36	59
Devia	0,13	26,27	14,06	7,89	58
Lambeth Sand					
Min	1,19	7,18	3,59	3,17	88
Max	9,68	17,08	12,87	3,81	30
Mean	5,43	10,10	7,19	2,54	35
Std Devia	2,60	3,90	3,17	0,67	21
Devia	29,73	71,80	48,16	21,51	45
Lambeth Clay					
Min	4,78	7,88	6,26	1,56	25
Max	7,55	14,08	11,23	3,34	30
Mean	6,80	10,96	9,09	2,11	23
Std Devia	0,48	2,63	1,76	1,13	64
Devia	0,07	23,99	15,62	13,48	86
Upper Chalk					
Min	5,76	7,13	6,29	0,73	12
Max	13,49	17,18	15,89	2,09	13
Mean	9,58	10,70	10,07	0,57	6
Std Devia	1,88	4,00	3,14	1,12	35
Devia	0,42	33,15	17,51	16,41	94

It is interesting to note that :

- the average limit pressure is undifferentiated between Crag 2 (9,18 MPa) and Crag 3 (10,06 MPa). The two layers have similar limit pressure characteristics on average.
- the most important dispersion (about 30 %) is in the Lambeth Sand and Crag 3.

b) Analysis of the creep pressure for each strata.

STATISTICS on Pf					
	MIN	MAX	MEAN	SD	D (%)
Alluvium					
Min	0,17	0,29	0,23	0,05	20
Max	0,17	0,45	0,30	0,10	33
Mean	0,17	0,30	0,26	0,05	19
Std Devia	0,04	0,10	0,07	0,04	61
Devia	14,72	33,91	24,31	13,57	56
Crag 1					
Min	0,42	1,58	0,79	0,41	51
Max	2,02	3,82	3,10	0,57	18
Mean	1,36	2,86	1,93	0,49	25
Std Devia	0,35	1,08	0,80	0,22	27
Devia	14,95	65,09	44,43	15,18	34
Crag 2					
Min	1,69	3,17	2,55	0,40	16
Max	3,47	4,31	3,76	0,20	5
Mean	2,73	3,45	3,17	0,27	8
Std Devia	0,25	0,62	0,40	0,10	25
Devia	7,31	20,87	12,96	4,17	32
Crag 3					
Min	2,26	3,32	2,92	0,40	14
Max	2,33	3,82	3,50	0,51	15
Mean	2,33	3,69	3,29	0,41	13
Std Devia	0,18	0,65	0,36	0,15	41
Devia	5,00	20,58	10,52	4,94	47
London Clay					
Min	1,24	3,50	1,76	0,66	38
Max	1,90	3,51	2,68	0,57	21
Mean	1,64	3,50	2,16	0,53	25
Std Devia	0,01	1,08	0,40	0,28	69
Devia	0,17	53,54	18,57	14,57	78
Lambeth Sand					
Min	0,71	2,93	1,79	1,11	62
Max	3,88	4,02	3,97	0,07	2
Mean	2,63	3,74	3,13	0,56	18
Std Devia	0,39	0,98	0,74	0,31	41
Devia	10,56	32,58	25,01	12,53	50
Lambeth Clay					
Min	3,07	4,04	3,55	0,49	14
Max	4,11	4,15	4,13	0,02	0
Mean	3,85	4,08	3,96	0,12	3
Std Devia	0,05	0,36	0,22	0,16	72
Devia	0,09	6,68	2,64	3,54	134
Upper Chalk					
Min	2,69	3,66	3,16	0,48	15
Max	4,21	4,72	4,39	0,29	7
Mean	3,89	4,11	4,00	0,11	3
Std Devia	0,14	0,55	0,38	0,21	56
Devia	0,14	11,66	5,11	5,92	116

It is interesting to note that :

- the average creep pressure is undifferentiated between Crag 2 (3,17 MPa) and Crag 3 (3,29 MPa). The two layers have similar creep pressure characteristics on average.
- the most important dispersion (about 25 %) is in the London Clay and Crag 1.

c) Analysis of the deformation modulus for each strata.

STATISTICS on Em					
	MIN	MAX	MEAN	SD	D (%)
Alluvium					
Min	1,7	3,8	2,4	0,8	34
Max	1,7	6,4	3,4	1,9	56
Mean	1,7	4,5	2,9	1,2	41
Std Devia	0,3	2,2	1,3	1,3	104
Devia	11,7	49,0	30,3	26,4	87
Crag 1					
Min	7,6	40,0	18,1	10,2	63
Max	33,8	130,4	82,4	24,6	30
Mean	22,5	59,7	41,7	12,5	30
Std Devia	13,4	37,1	23,1	7,8	34
Devia	23,3	75,5	57,3	15,2	27
Crag 2					
Min	20,8	79,5	44,3	17,0	38
Max	110,9	316,3	181,8	49,3	27
Mean	68,1	128,1	98,7	19,4	20
Std Devia	14,5	77,3	39,1	16,0	41
Devia	14,4	64,5	40,6	16,5	41
Crag 3					
Min	28,2	115,2	70,2	25,8	37
Max	210,7	505,5	305,9	88,3	29
Mean	127,4	316,4	191,4	81,6	32
Std Devia	60,8	159,9	83,5	29,8	36
Devia	26,9	54,5	44,3	7,8	18
London Clay					
Min	14,2	84,0	34,3	19,3	56
Max	34,5	84,9	58,8	16,8	29
Mean	27,9	84,0	44,8	15,6	35
Std Devia	0,9	18,8	10,5	6,0	57
Devia	0,3	50,3	23,5	16,8	71
Lambeth Sand					
Min	10,9	63,5	35,1	26,5	76
Max	137,7	448,8	248,8	171,9	69
Mean	74,5	181,7	113,1	59,5	53
Std Devia	41,1	88,7	57,2	27,3	48
Devia	48,8	56,2	51,5	4,1	8
Lambeth Clay					
Min	83,8	196,7	128,7	60,0	47
Max	222,1	443,1	359,3	119,8	33
Mean	148,5	259,4	213,3	57,7	27
Std Devia	37,6	161,3	87,6	65,2	74
Devia	0,2	69,5	31,7	35,1	111
Upper Chalk					
Min	68,8	180,4	110,1	61,2	56
Max	311,7	486,2	420,8	95,1	23
Mean	150,1	312,1	217,4	84,4	39
Std Devia	64,1	104,3	87,2	20,8	24
Devia	0,3	49,1	30,7	26,5	86

It is interesting to note that :

- the average deformation modulus is almost doubled from Crag 1 (41,7 MPa) to Crag 2 (98,7 MPa) and is doubled again from Crag 2 to Crag 3 (191,4 MPa). The three layers are more distinct based on their deformation characteristics (EM) than based on their failure characteristics (PL). This is why in situ SPT/CPT tests may not spot the difference between Crag 2 and Crag 3.
- the average deformation modulus is undifferentiated between the Lambeth Clay (213 MPa) and the Upper Chalk (217 MPa). The two layers have similar deformation characteristics on average.
- the most important dispersion (about 40 to 50 %) is in the same Lambeth Clay and Upper Chalk.
- very high deformation moduli (> 550 MPa) were measured in the three deep boreholes between a depth of 56.0 and 58.0 m bgl. within the London Clay. These values were disregarded in the statistical analysis but should not be forgotten in the construction process.

d) Analysis of the ratio EM/PL for each strata.

STATISTICS on EM/PL					
	MIN	MAX	MEAN	SD	D (%)
Alluvium					
Min	4	6	5	1	17
Max	4	13	7	3	48
Mean	4	8	6	1	25
Std Devia	1	3	2	1	61
Devia	17	32	25	11	43
Crag 1					
Min	5	7	6	1	10
Max	9	15	12	2	16
Mean	7	12	9	1	16
Std Devia	1	3	2	1	28
Devia	15	25	20	4	21
Crag 2					
Min	4	10	7	2	25
Max	10	17	14	2	14
Mean	7	13	10	1	14
Std Devia	1	3	2	1	28
Devia	10	31	22	6	28
Crag 3					
Min	5	17	10	4	41
Max	11	21	15	3	20
Mean	10	17	12	2	20
Std Devia	1	5	3	1	35
Devia	9	36	27	9	34
London Clay					
Min	4	11	8	2	31
Max	9	19	14	3	20
Mean	7	13	11	2	17
Std Devia	1	4	2	1	47
Devia	0	40	19	12	62
Lambeth Sand					
Min	5	10	8	2	31
Max	16	29	21	7	35
Mean	11	18	14	4	25
Std Devia	3	6	4	2	42
Devia	20	36	30	9	29
Lambeth Clay					
Min	10	28	16	10	62
Max	25	57	38	17	45
Mean	16	38	24	13	53
Std Devia	6	10	8	2	25
Devia	0	62	33	31	95
Upper Chalk					
Min	8	22	13	7	53
Max	18	34	28	9	32
Mean	13	27	19	7	39
Std Devia	3	6	5	1	31
Devia	0	36	19	18	92

It is interesting to note that :

- the average ratio EM/PL is undifferentiated between the Crag 1 and Crag 2 (about 10) and would correspond to something sandy without many fines whereas Crag 3 (about 12) seems more cemented or silty. Laboratory tests carried out by SOIL MECHANICS should help to confirm this feature within Crag 3.
- the Lambeth Clay (24) then the Upper Chalk (19) seem to be the most clayey or putty strata.
- the most important dispersion (about 40 to 50 %) is in the same Lambeth Clay and Upper Chalk.

Note:

Please note that the above values are not given to determine pile or settlements design parameters. These values are just to give an overall view of the results across the site.

1. Principle

In our 13 N° DBH boreholes DBH2009_03 to DBH2009_15, piezometer equipments were installed in accordance with EDF specifications.

Installation details including lengths of plain and slotted 74/90mm black threaded pipes can be found in Appendix A4 (Appendix A4, Destructive Borehole Logs) as well as the depths over which gravel (1,7mm to 4,0mm), bentonite pellets, cement/bentonite grout and concrete were installed.

As a general rule, piezometer pipes were slotted over the entire depth of the Crag Deposits and plain above, in the Recent Deposits.

A vibrating wire piezometer was installed in MPM2009_02 at a depth of 95.0 m bgl. with gravel from 100.5 m to 85.0 m, then bentonite pellets up to 80.0 m. Then the borehole was grouted up to the top with a cement/bentonite mix.

2. Water levels

The necessary use of a biodegradable foragum polymer-based support fluid for drilling operations in sand did not allow us to record any static water level. On completion of drilling all DBH boreholes were rinsed using clean mains water prior to the installation of piezometer equipments.

The reader will find on each borehole log the highest water level recorded at the beginning of a shift.

Non stabilised water levels were comprised between 0,40 m in DBH2009_15 on 22.09.2010 and 5,45 m in DBH2009_14 on 14.10.2010. They were comprised between 0,50m in MPM2009_04 on 12.10.2010 and 3,10 m in MPM2009_13 on 10.12.2010.

In order to understand water levels on site, we recommend to disregard non stabilised water levels recorded in our MPM boreholes and just rely on the water levels recorded in our DBH boreholes after SOIL MECHANICS has developed each piezometer by air-lifting operations.

Water migration caused by the sea-tide within the Crag Deposits should also be mentioned and may account for difficulties in keeping boreholes stable while drilling and removing temporary casings.

I. Conclusion

During ground investigation works at the Sizewell "C" Power Station near Ipswich, FONDASOL provided the highest standards of professionalism by ensuring personal responsibility for the day to day control of the in-situ works, in communication with Mrs. Valérie Sellier (EDF CEIDRE) and Mr. James Huntington and Mr. Ben Swallow (SOIL MECHANICS) and in accordance with EDF's "Zero Harm" policy.

Looking at the results of the investigation, the Ménard Pressuremeter provided accurate soil strength (P_L) and stiffness (E_M) information at this site. Results showed precisely the average mechanical characteristics of the various strata encountered including the definition of three layers within the Crag Deposits which we differentiated as Crag 1, Crag 2 and Crag 3, mainly based on the measured deformation modulus (E_M).

Cross comparisons with other geotechnical parameters (laboratory test results, in-situ SPT test results, in-situ SBP test results) should help to confirm this geotechnical feature of the Crag Deposits.

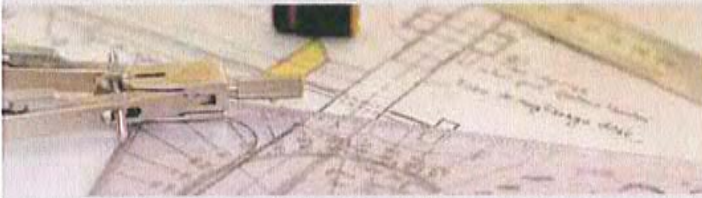
It should be noted that very high deformation moduli were measured in the three deep boreholes between a depth of 56.0 and 58.0 m bgl. within the London Clay. These values were disregarded in the statistical analysis but should not be forgotten in the construction process.

Water migration caused by the sea-tide within the Crag Deposits should also be mentioned and may account for difficulties in keeping boreholes stable while drilling and removing temporary casings.

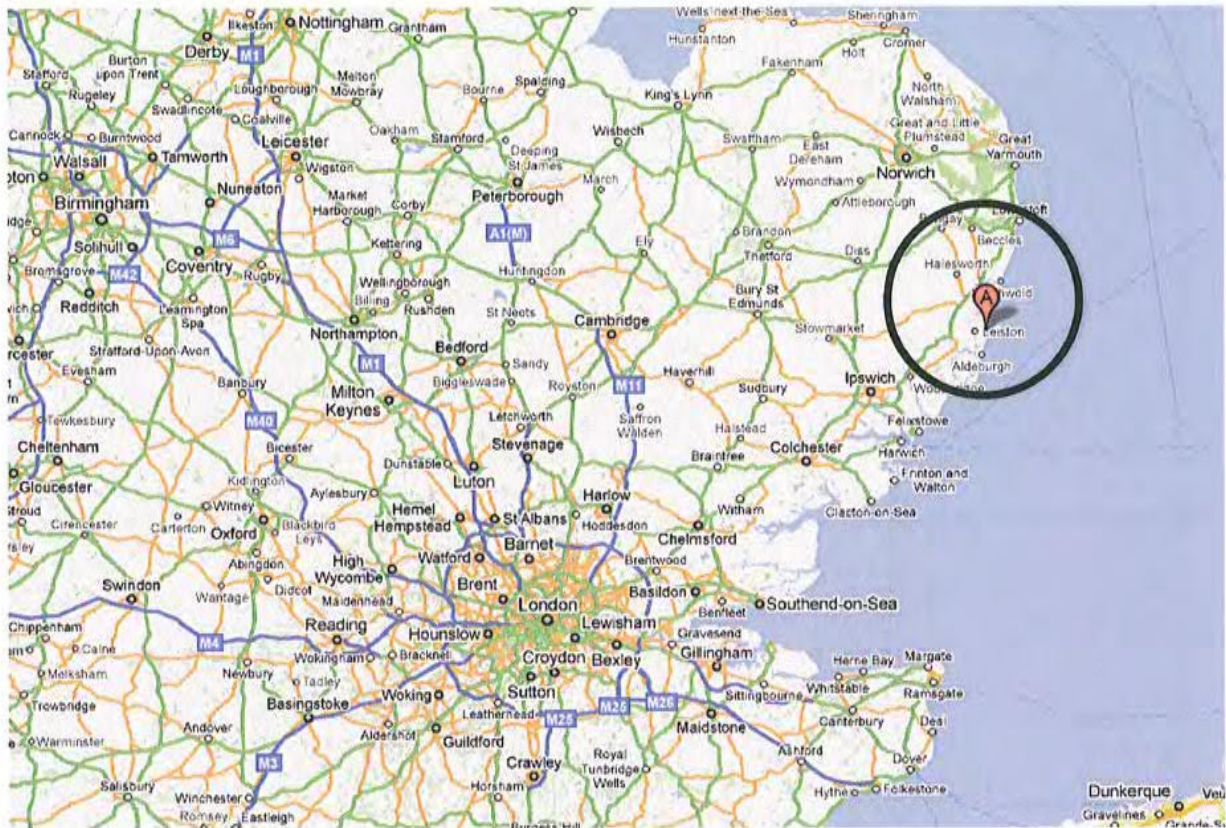
We remain at the disposal of EDF CEIDRE and SOIL MECHANICS for any complementary information you may need.

written by: **A.ANDREI**

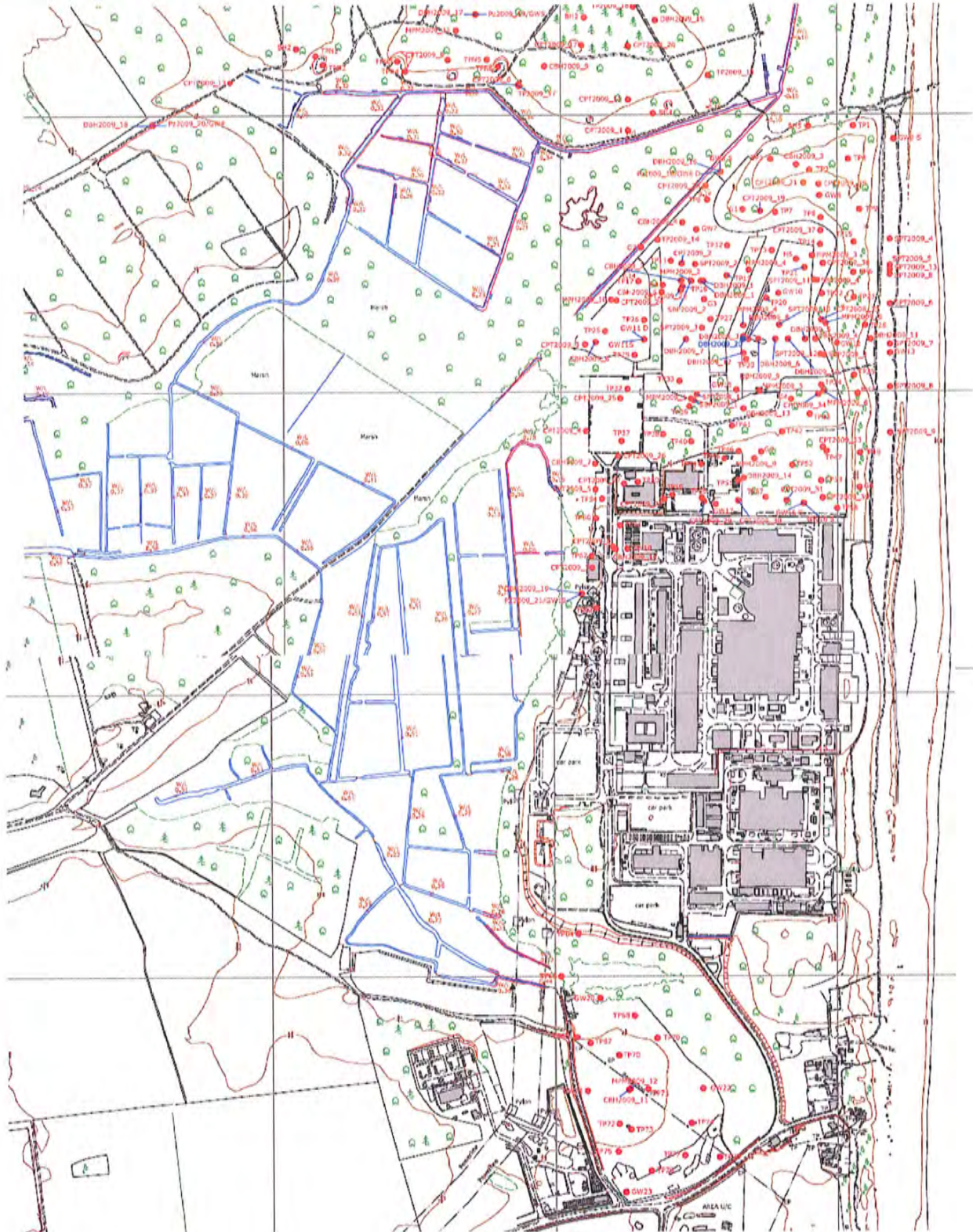
checked by: **M. FLEURY**



AI. Site location plan

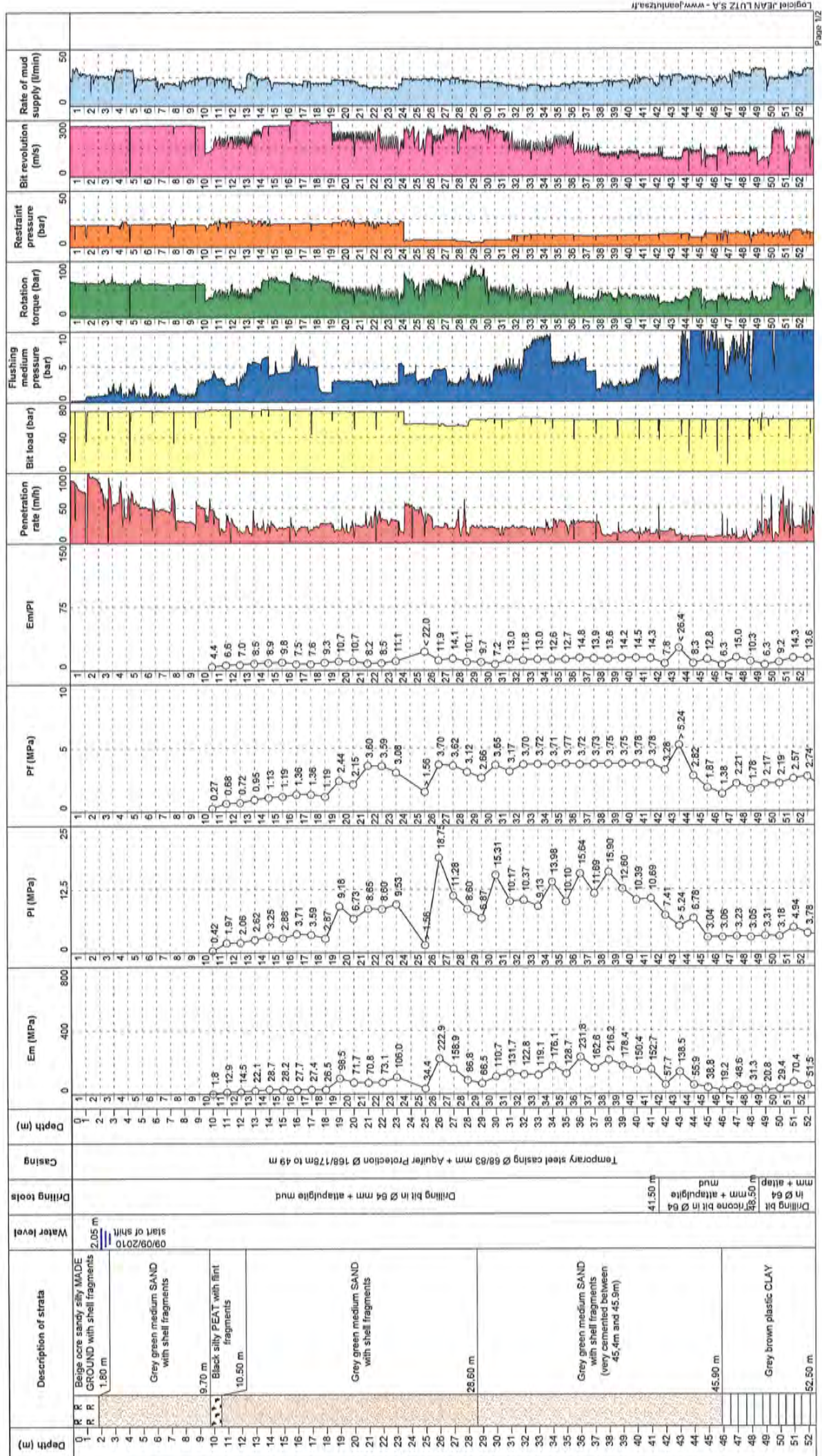


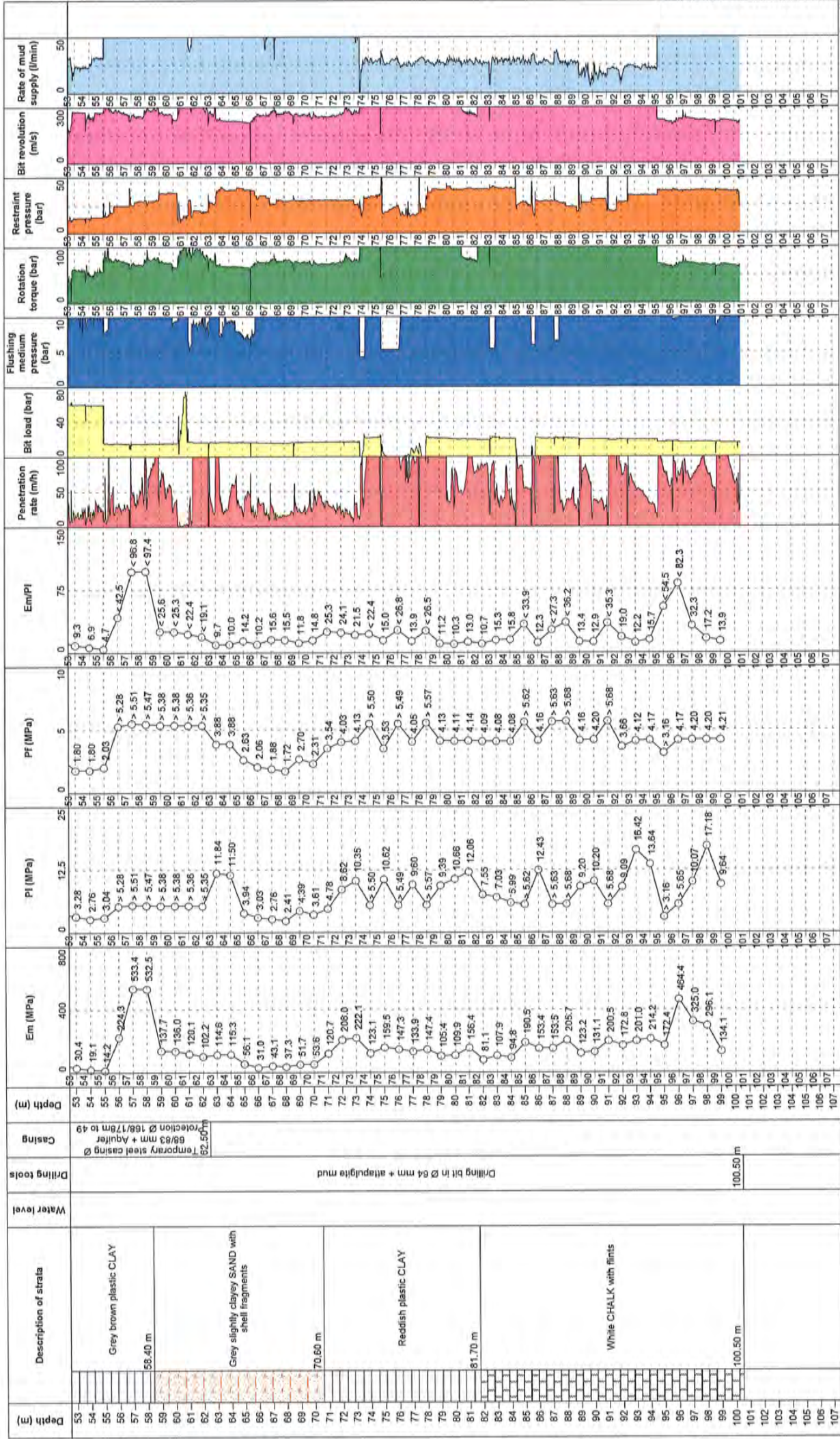
A2. Boreholes location plan





A3. Ménard Pressuremeter borehole logs





SOIL MECHANICS - SIZEWELL C, LEISTON IP 16



Date : 06/10/2010

Elevation (GL) : 1.604

Depth : 0.00 - 100.50 m

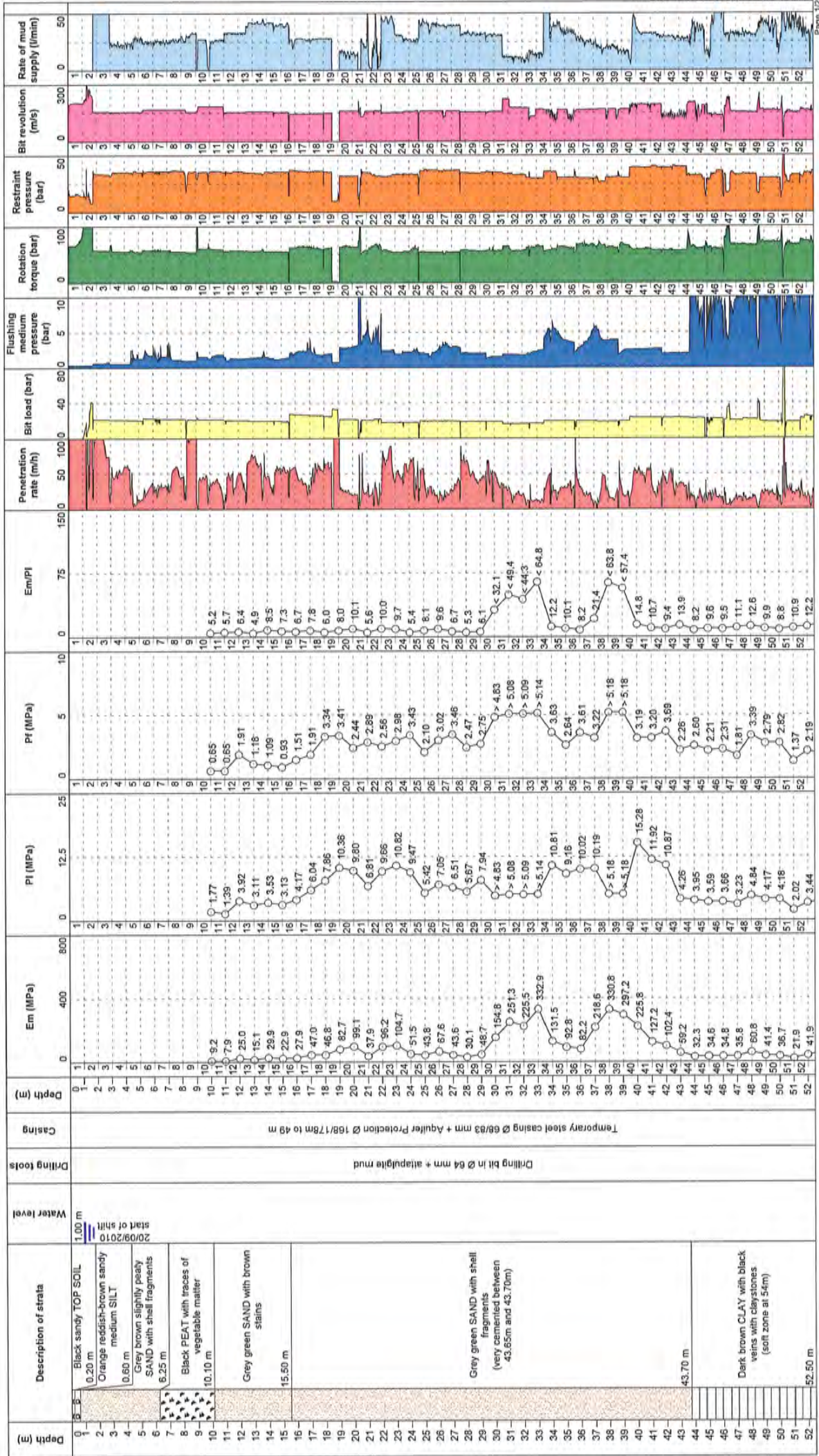
Drilling rig : EMCT100 (to 55m) / MC450 (to 100m)

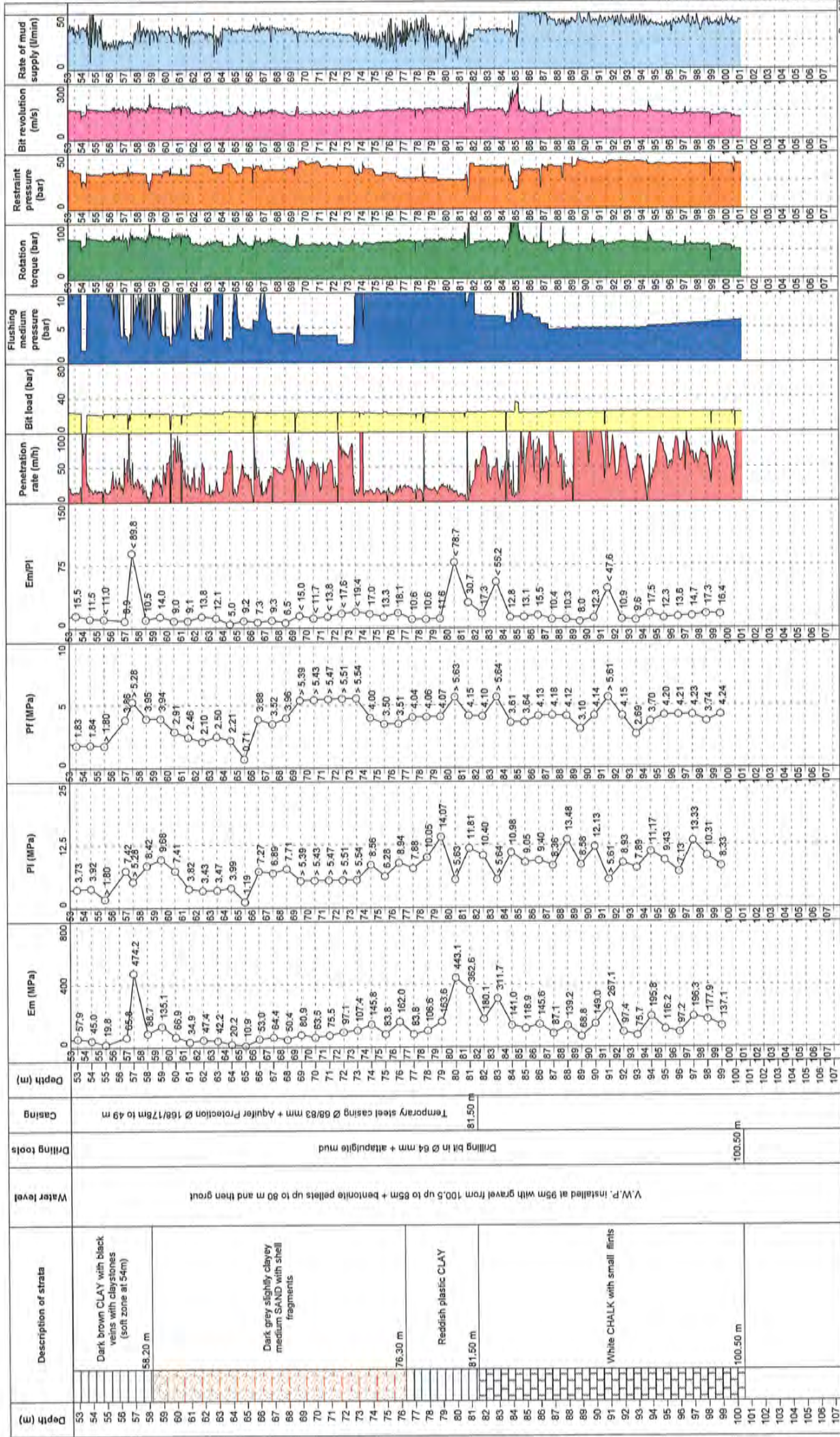
X : E.647233.918

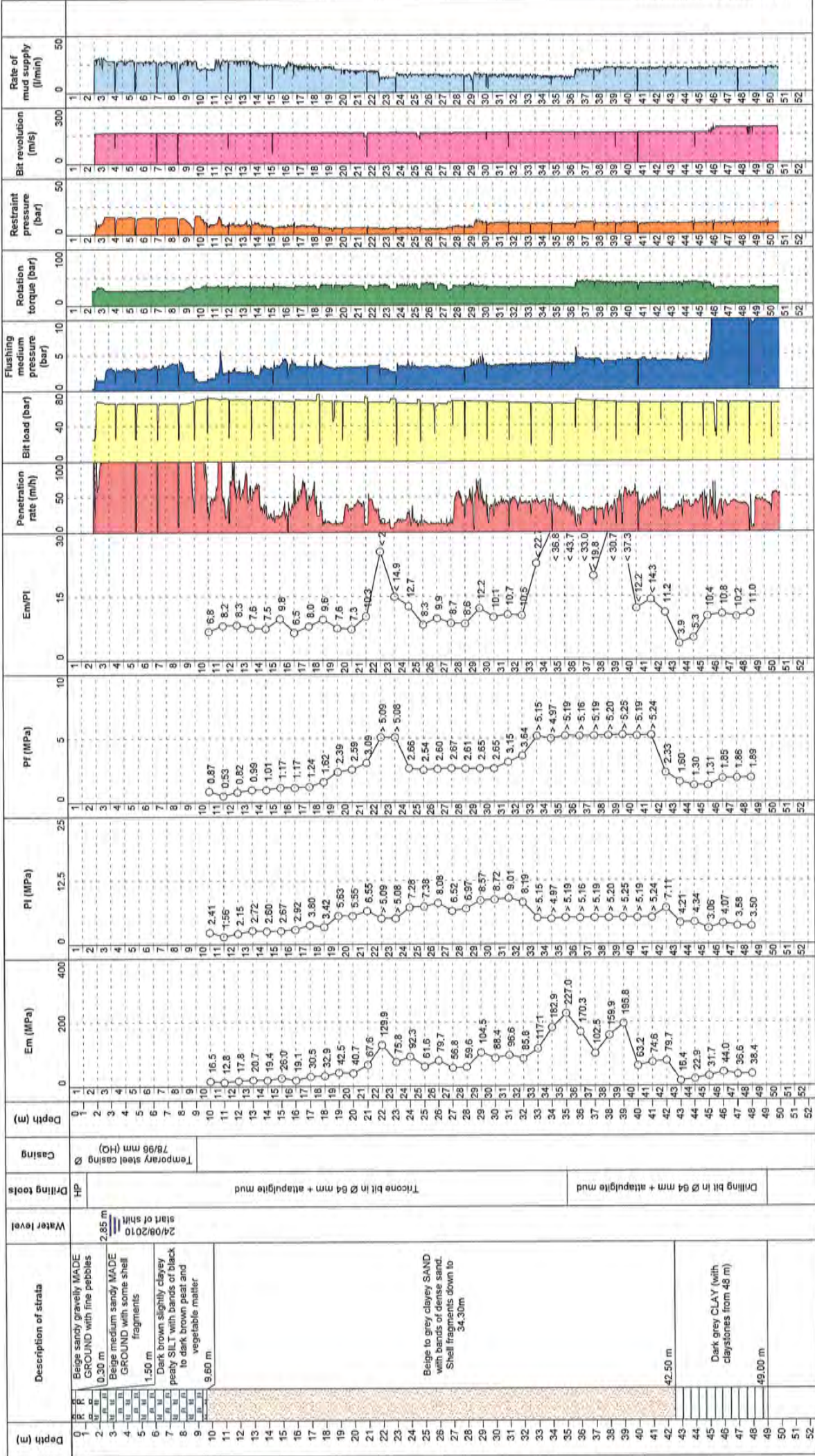
Y : N.264200.837

BOREHOLE : MPM2009_02

EXGTE 2.240LC2EPF520FR

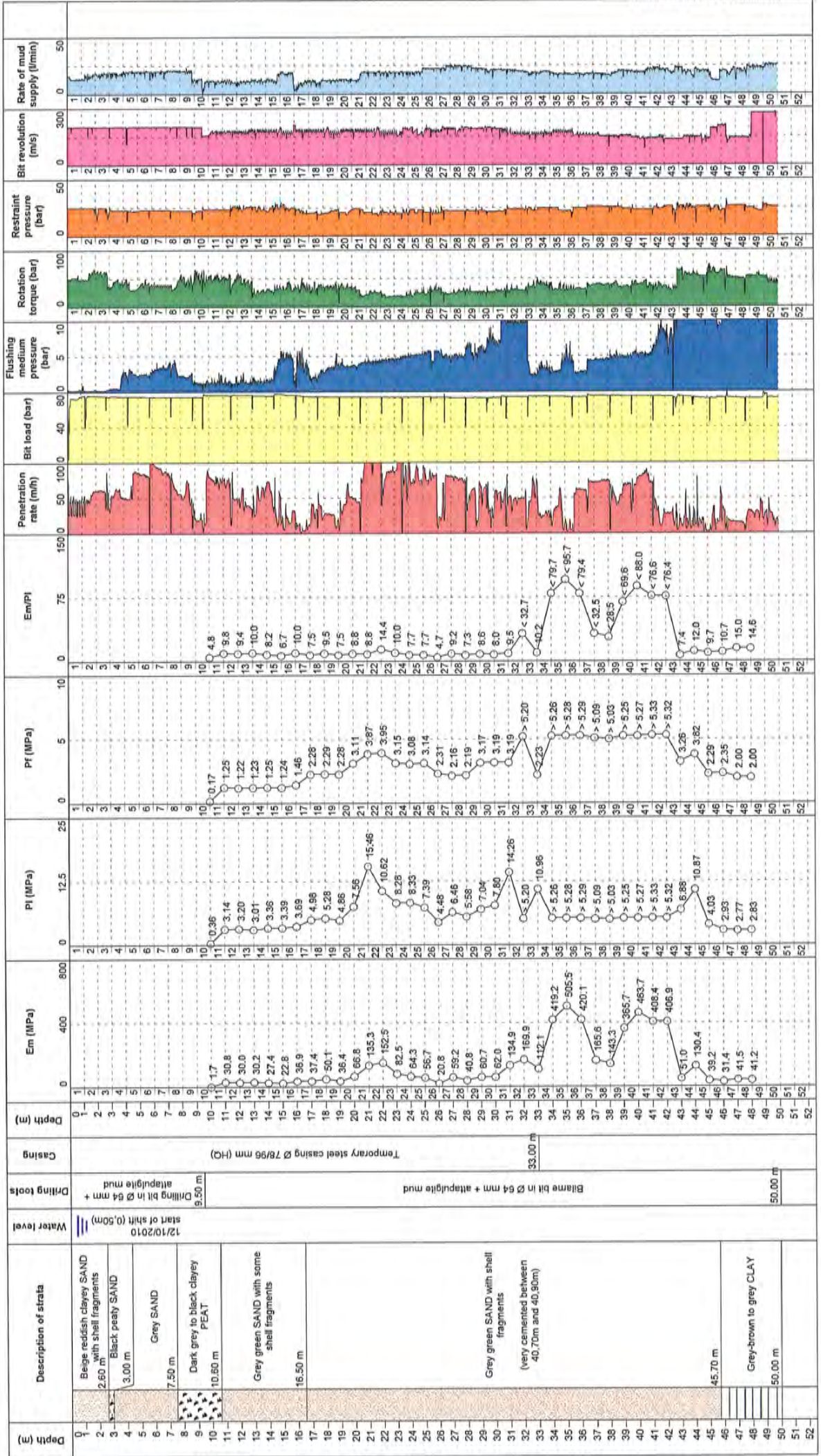






SOIL MECHANICS - SIZEWELL C, LEISTON IP 16

BOREHOLE : MPM2009_04



SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

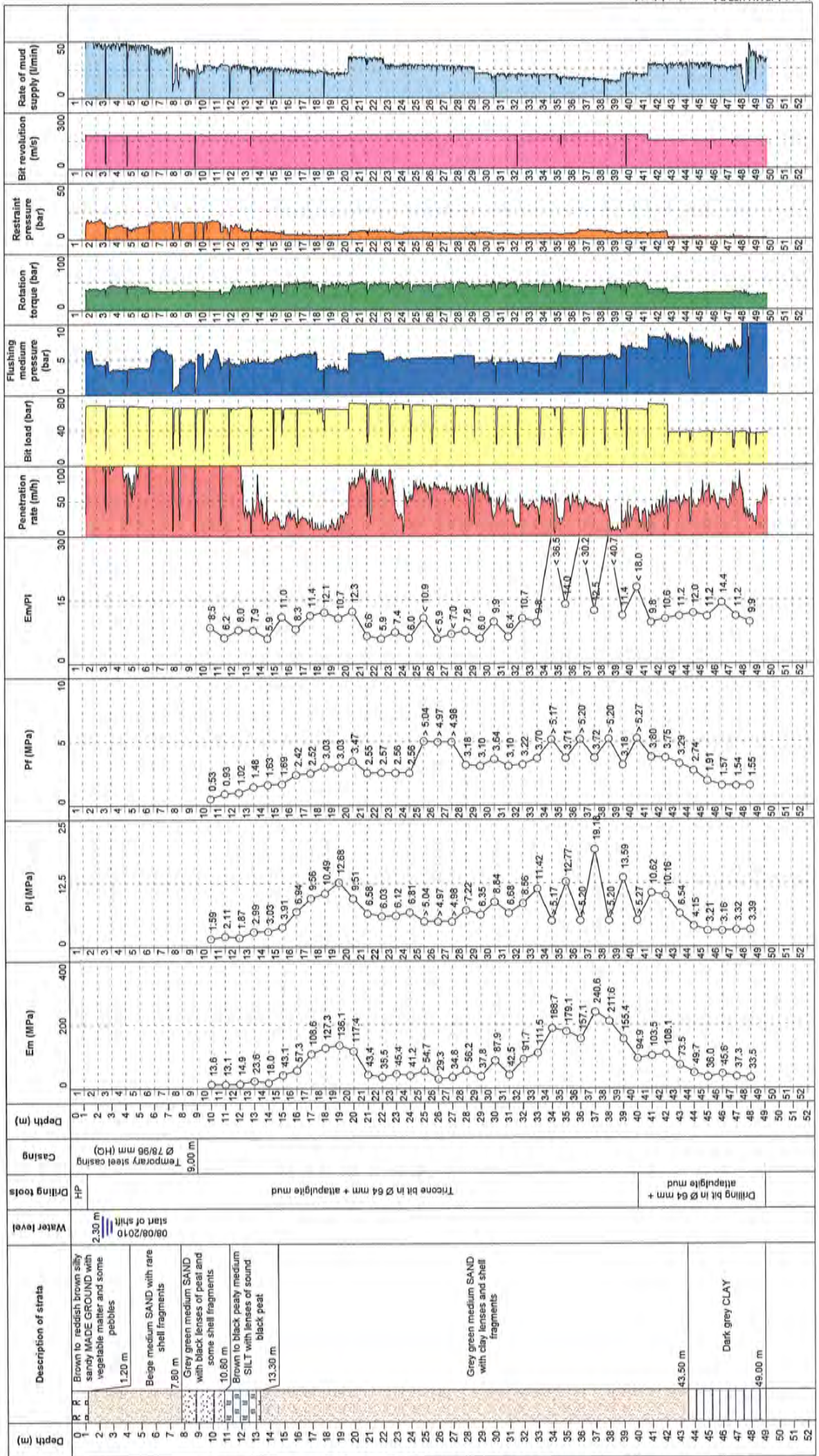


Date : 06/08/2010
 Elevation (GL) : 2.031
 Drilling rig : SOCO 50.4

Depth : 0.00 - 49.00 m
 X : E.647359.119
 Y : N.263993.193

EXGTE 2.241LC2EPF520FR

1/250



job n° 10.119



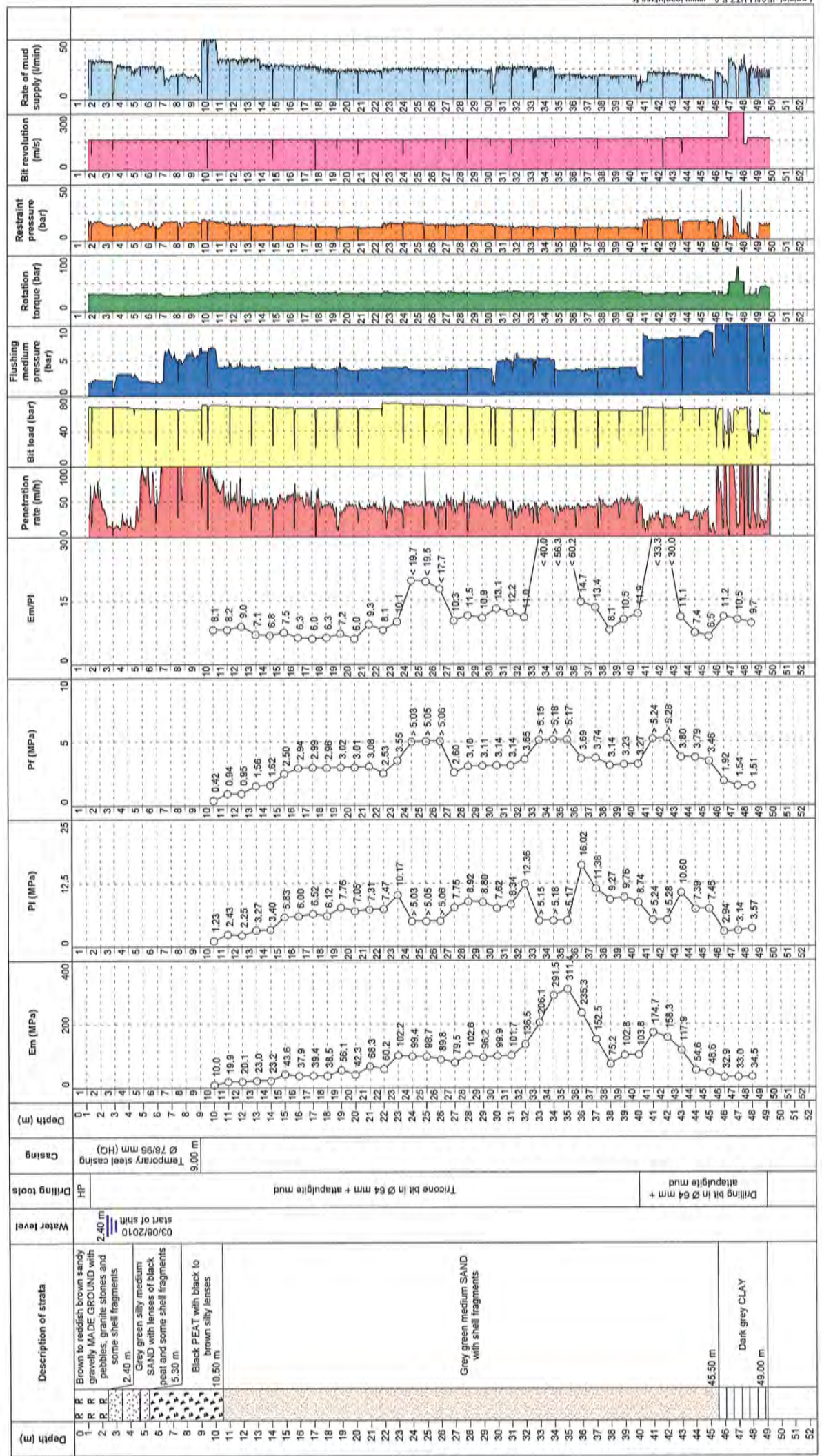
SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

Date : 26/07/2010
 Elevation (GL) : 2.038
 Drilling rig : SOCO 50.4

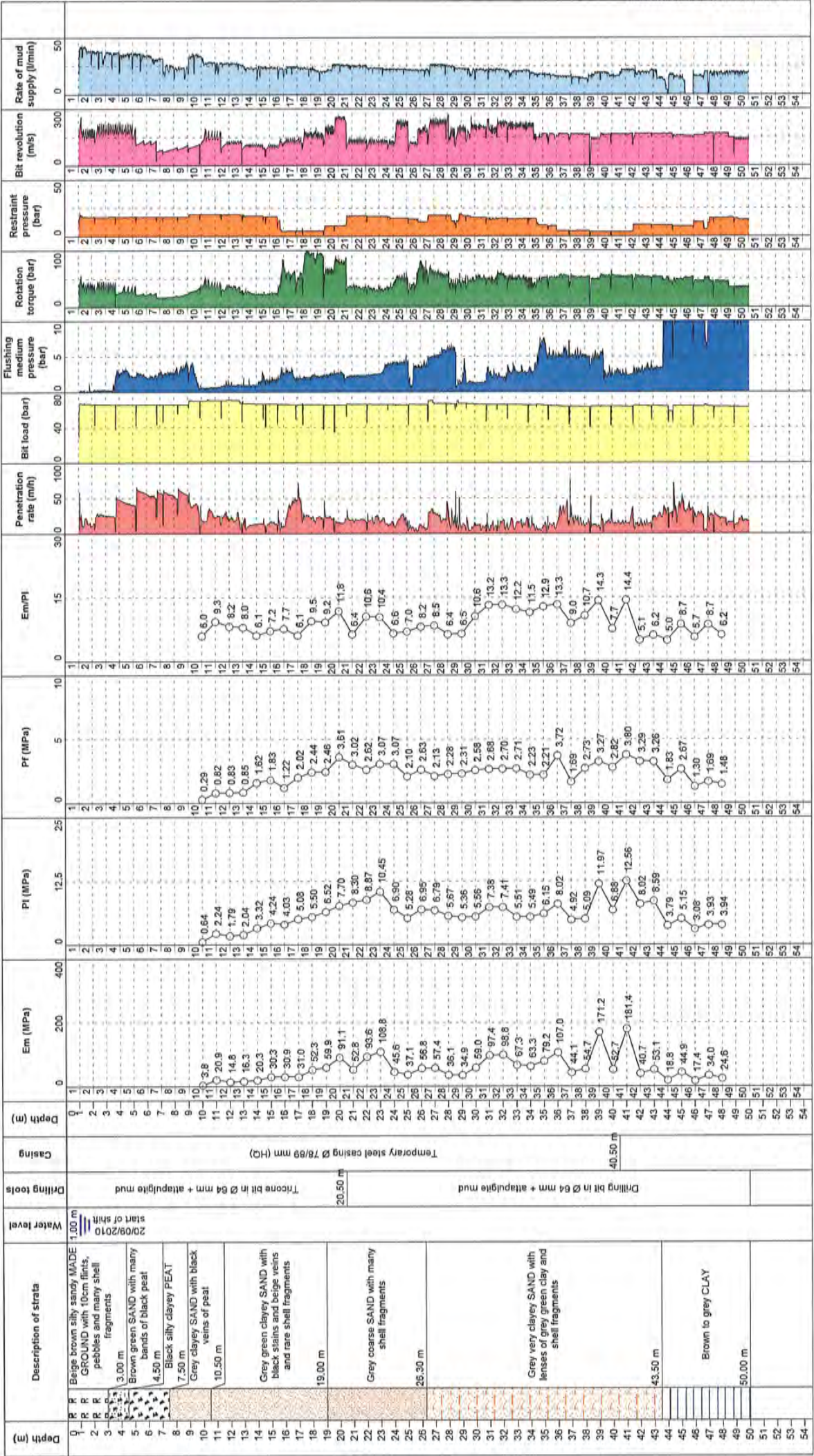
Depth : 0.00 - 49.00 m
 X : E.647474.999
 Y : N.284002.810

BOREHOLE : MPM2009_06

1/250



BOREHOLE : MPM2009_07



SOIL MECHANICS - SIZEWELL C, LEISTON IP 16



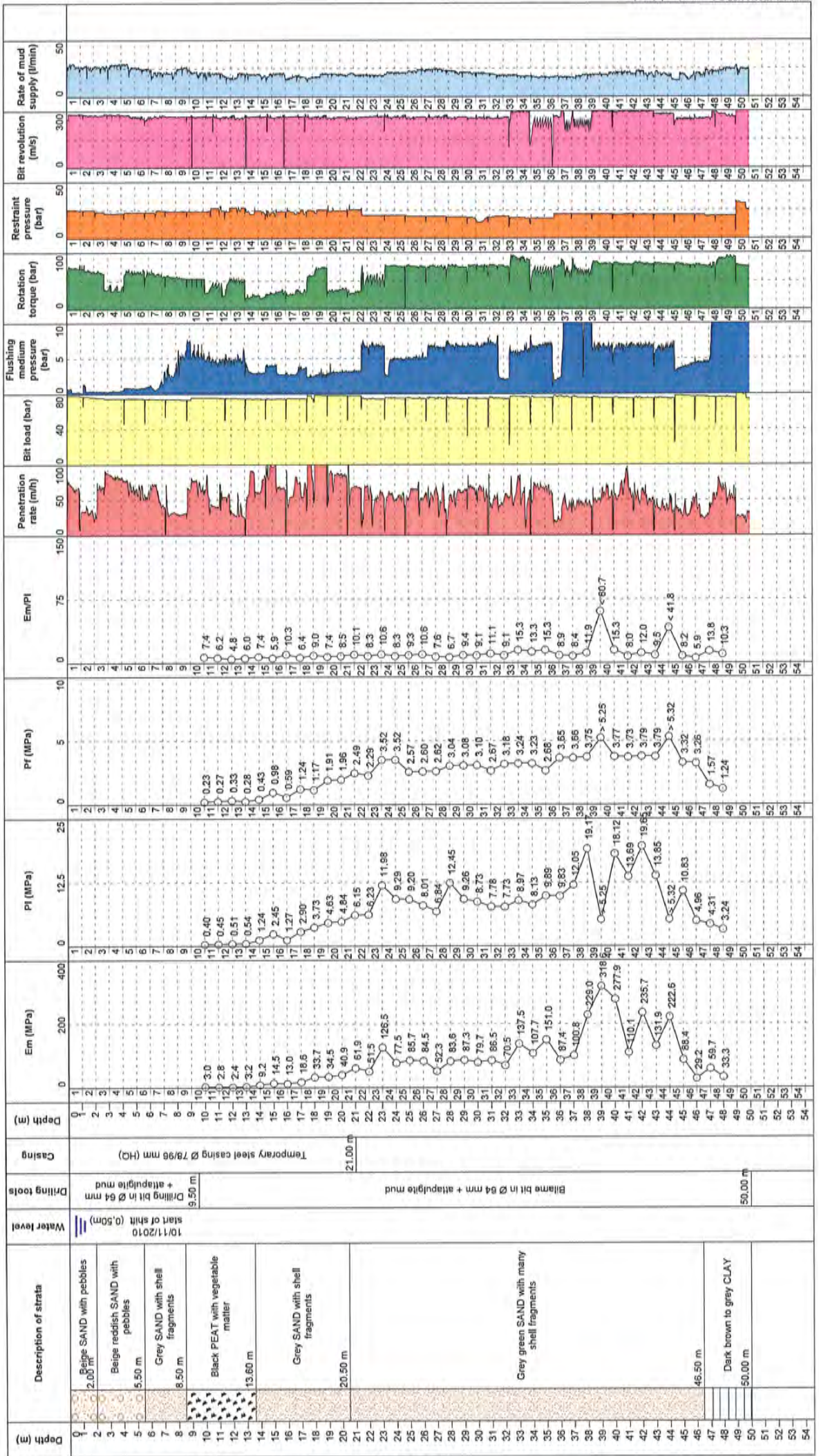
Date : 31/10/2010

Elevation (GL) : 3.718
Drilling rig : EMCIT00

Depth : 0.00 - 50.00 m
X : E.647474.301
Y : N.264117.599

BOREHOLE : MPM2009_08

1/260



SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

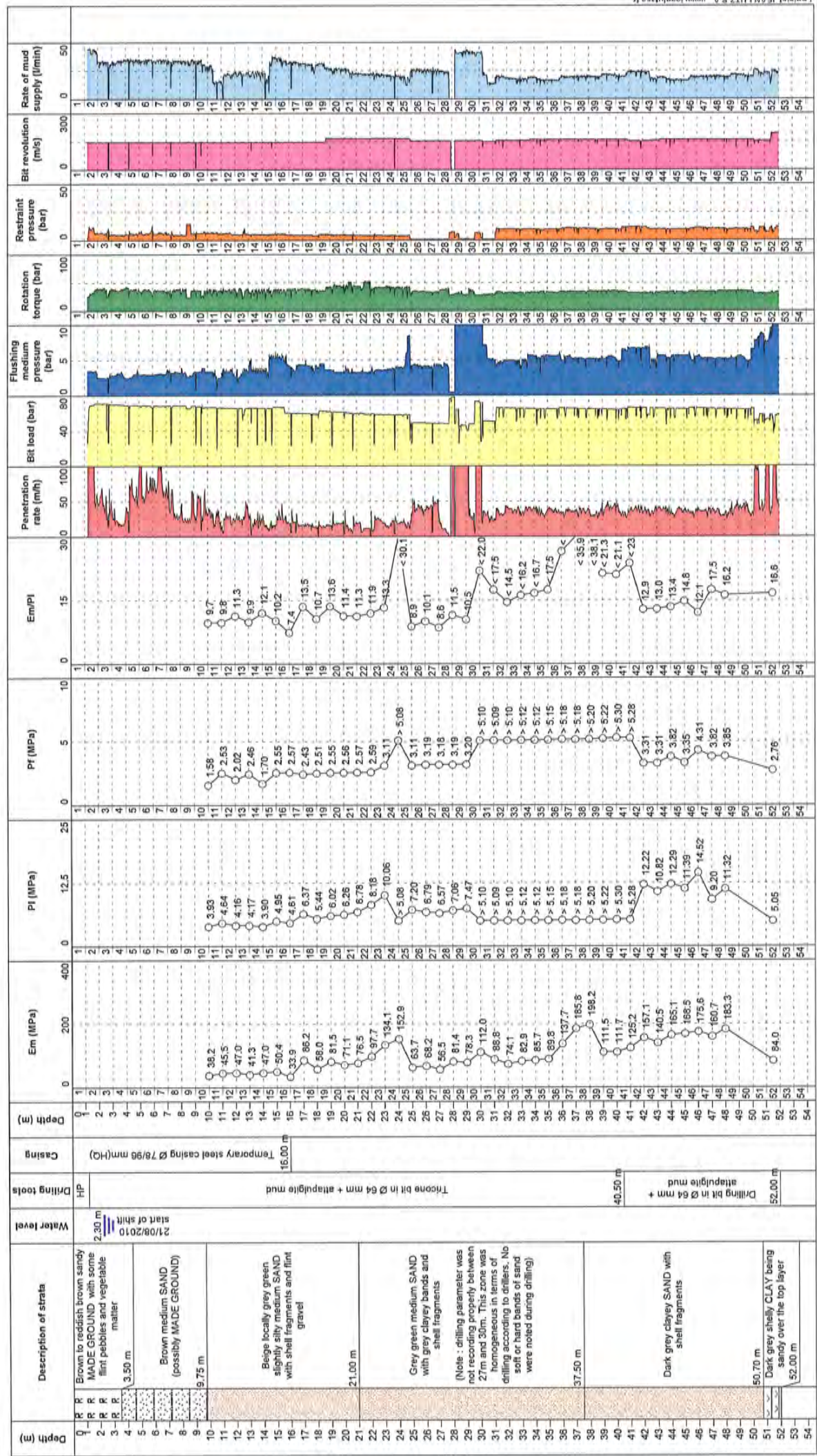
fondasol
S O I L T E C H N I C I A N S

Date : 09/08/2010
Elevation (GL) : 6.117
Drilling rig : SOCO 50.4
EXGTE 2.24/LC2EPF520FR

Depth : 0.00 - 53.00 m
X : E 647349.716
Y : N 263880.263

1/260

BOREHOLE : MPM2009_09



job n° 10.119

Depth : 0.00 - 49.00 m
 X : E.647050.812
 Y : N.264187.209
 EXGTE 2.241LC2EPF520FR

Cote NGF : 1.415
 Drilling rig : SOCO 50.4

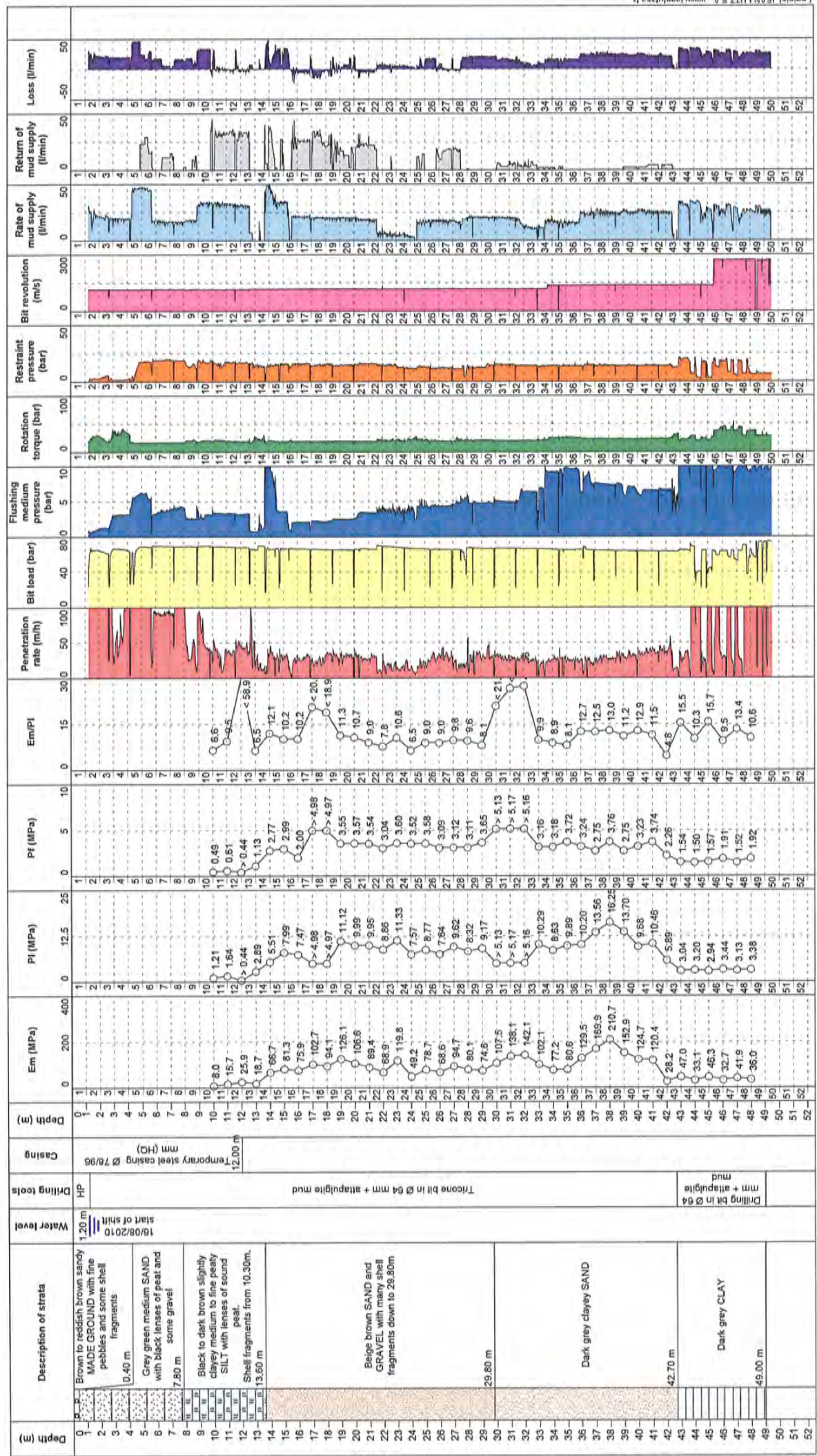
SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

BOREHOLE : MPM2009_10

Date : 15/07/2010



1/250



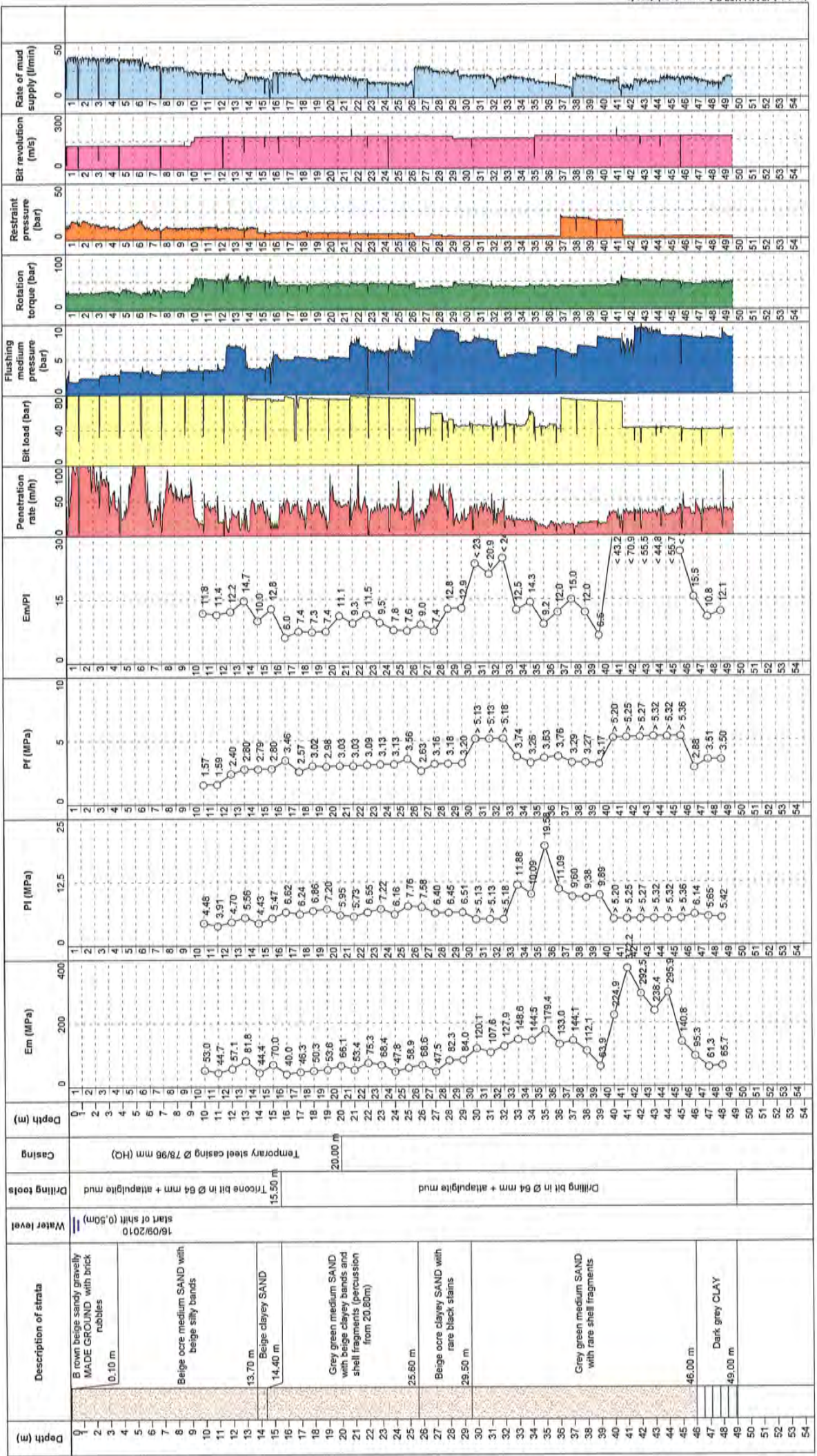
Depth : 0.00 - 49.00 m
 X : E.646811.963
 Y : N.264648.257
 EKGTE 2.24ILC2EPF522FR

Elevation (GL) : 8.139
 Drilling rig : SOCO50

SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

BOREHOLE : MPM2009_11

Date : 16/09/2010

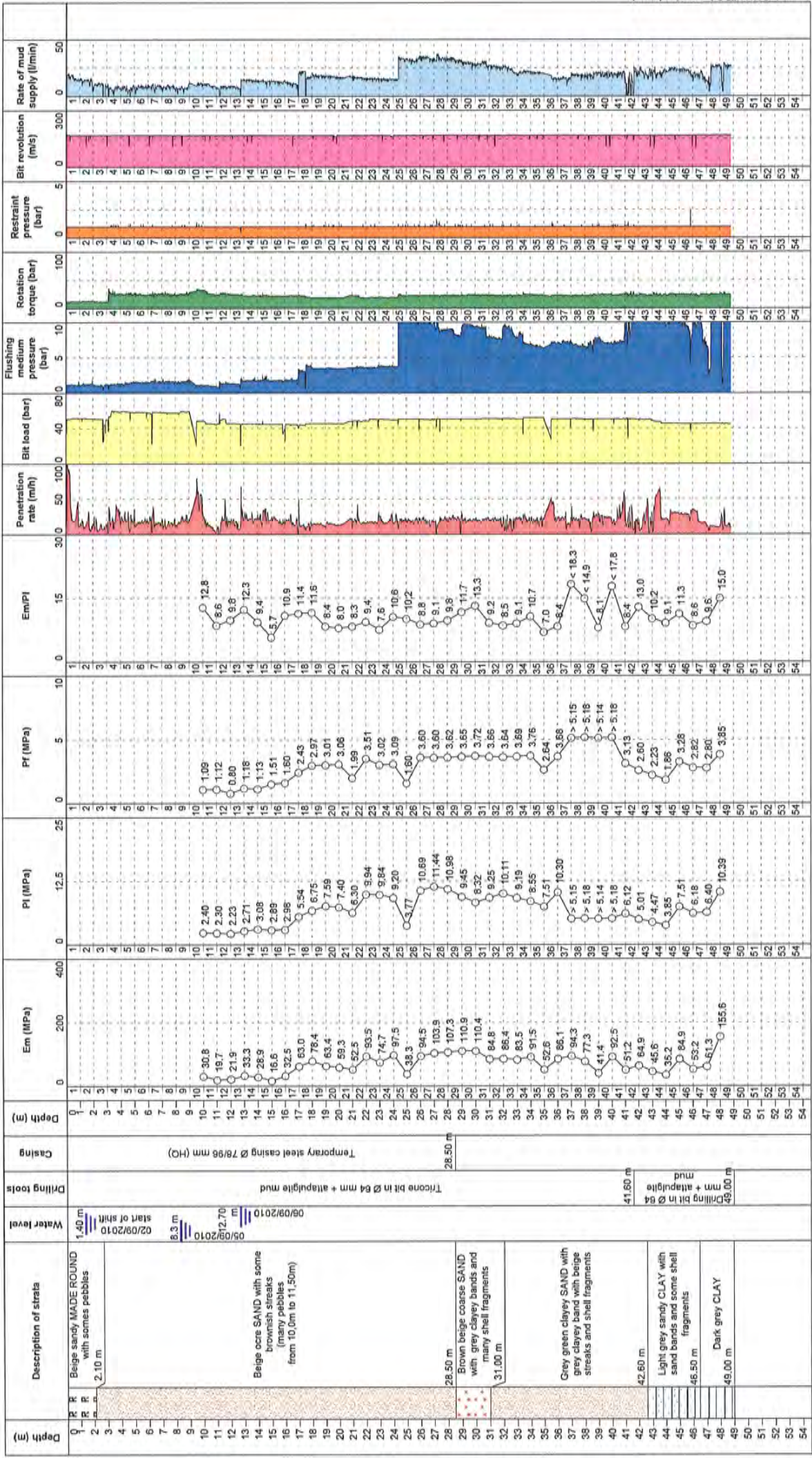


SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

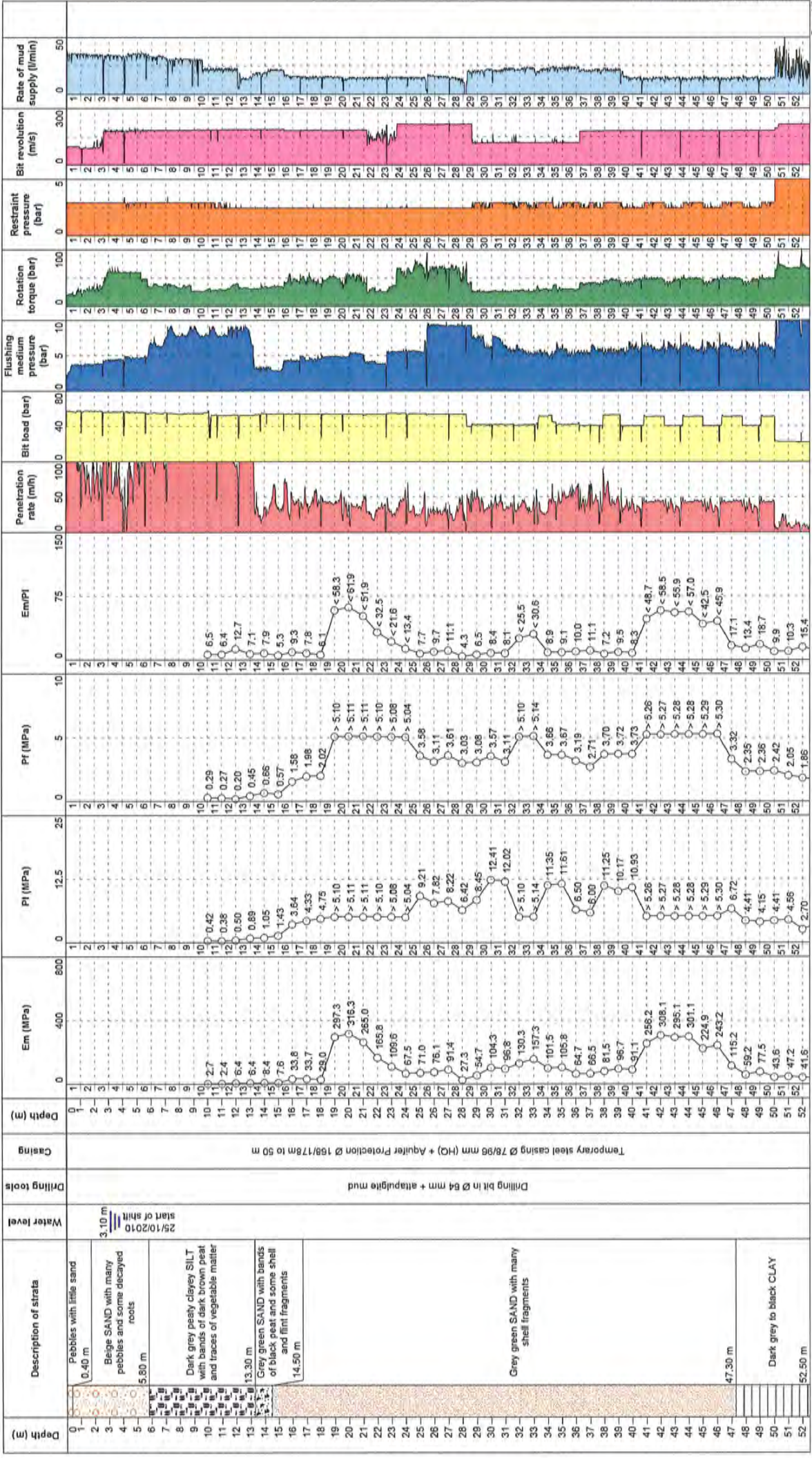


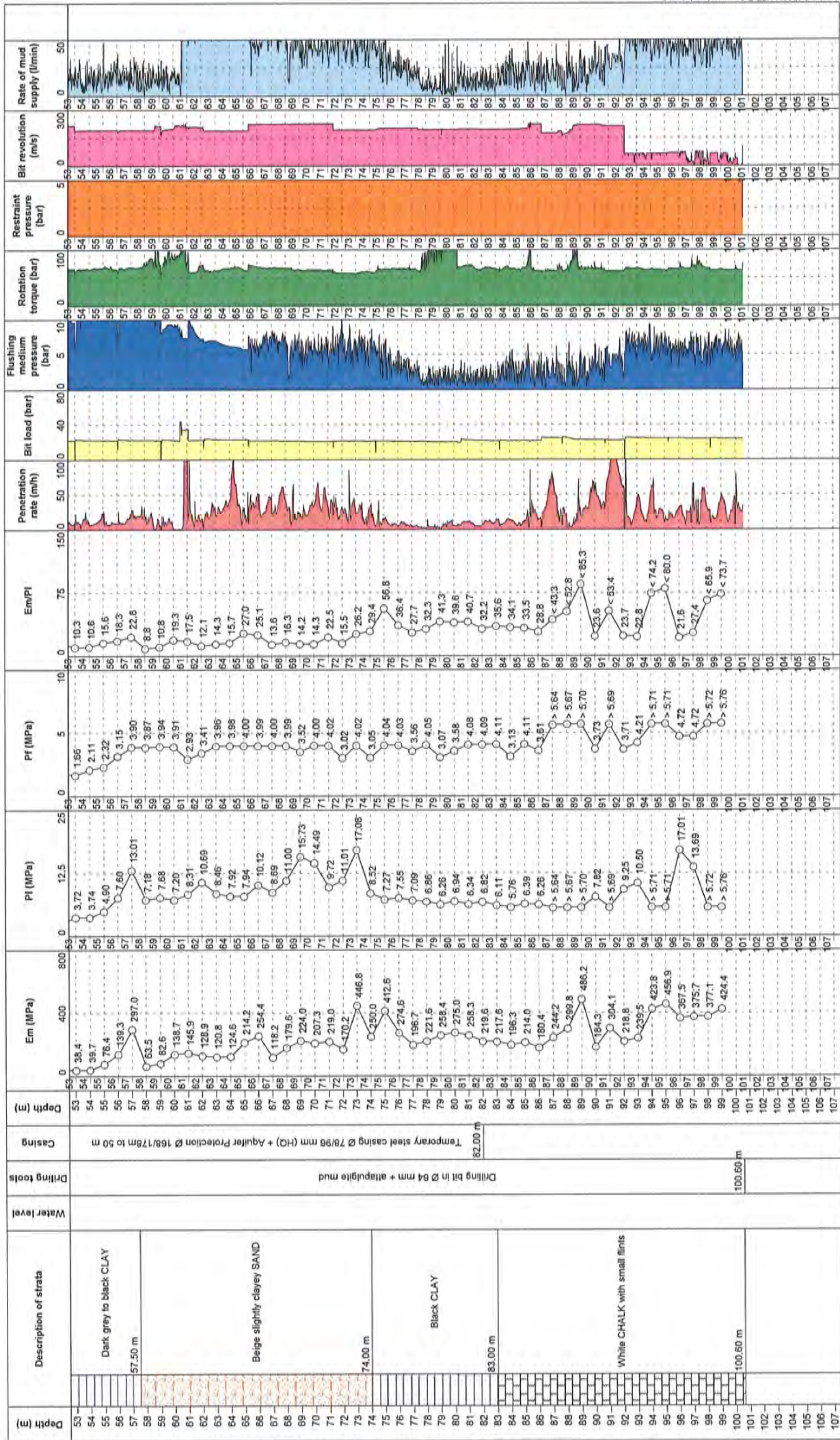
Date : 01/09/2010
 Elevation (GL) : 8.792
 Drilling rig : SOCO 50
 Depth : 0.00 - 50.00 m
 X : E.647124.194
 Y : N.262795.276
 ENGTE 2.24\LC2EPF520FR

BOREHOLE : MPM2009_12



BOREHOLE : MPM2009_13





A4. Destructive borehole logs

SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

Date : 26/10/2010

Elevation (GL) : 1.684

Depth : 0.00 - 35.00 m

Drilling rig : EMC1700

X : E.647330.260

Y : N.264100.008

1/250

BOREHOLE : DBH2009_03

EXGTE 2.24/LC2EPF520FR

Depth (m)	Description of strata	Water level	Drilling tools	Casing	Standpipe piezometer	Penetration rate (m/h)			Bit load (bar)			Flushing medium pressure (bar)			Rotation torque (bar)			Restraint pressure (bar)			Bit revolution (m/s)			Rate of mud supply (l/min)				
						0	40	80	0	50	100	0	7.5	15	0	150	0	40	0	300	0	70						
0	Beige reddish SAND 3.70 m	2.86 m	start of shift	Plain PVC pipe	13.50 m	0	0	0	0	0	0	0	1	1	1	1	1	1										
1						0	0	0	0	0	0	2	2	2	2	2	2											
2						0	0	0	0	0	0	3	3	3	3	3	3	3										
3						0	0	0	0	0	0	4	4	4	4	4	4	4										
4	Green peaty SAND 4.50 m	2.86 m	start of shift	Plain PVC pipe	13.50 m	4	4	4	4	4	4	4	5	5	5	5	5											
5						4	4	4	4	4	4	6	6	6	6	6	6											
6						4	4	4	4	4	4	7	7	7	7	7	7	7										
7						4	4	4	4	4	4	8	8	8	8	8	8	8										
8	Black PEAT 13.00 m	2.86 m	start of shift	Plain PVC pipe	13.50 m	8	8	8	8	8	8	8	9	9	9	9	9											
9						8	8	8	8	8	8	10	10	10	10	10	10	10										
10						8	8	8	8	8	8	11	11	11	11	11	11	11										
11						8	8	8	8	8	8	12	12	12	12	12	12	12										
12						8	8	8	8	8	8	13	13	13	13	13	13	13										
13						8	8	8	8	8	8	14	14	14	14	14	14	14										
14						8	8	8	8	8	8	15	15	15	15	15	15	15										
15						8	8	8	8	8	8	16	16	16	16	16	16	16										
16						8	8	8	8	8	8	17	17	17	17	17	17	17										
17						8	8	8	8	8	8	18	18	18	18	18	18	18										
18	Grey sand 20.00 m	2.86 m	start of shift	Slotted PVC pipe	35.00 m	18	18	18	18	18	18	18	19	19	19	19	19											
19						18	18	18	18	18	18	20	20	20	20	20	20	20										
20						18	18	18	18	18	18	21	21	21	21	21	21	21										
21						18	18	18	18	18	18	22	22	22	22	22	22	22										
22						18	18	18	18	18	18	23	23	23	23	23	23	23										
23						18	18	18	18	18	18	24	24	24	24	24	24	24										
24						18	18	18	18	18	18	25	25	25	25	25	25	25										
25						18	18	18	18	18	18	26	26	26	26	26	26	26										
26						18	18	18	18	18	18	27	27	27	27	27	27	27										
27						18	18	18	18	18	18	28	28	28	28	28	28	28										
28	Grey green SAND with shell fragments 35.00 m	2.86 m	start of shift	Slotted PVC pipe	35.00 m	28	28	28	28	28	28	28	29	29	29	29	29											
29						28	28	28	28	28	28	30	30	30	30	30	30	30										
30						28	28	28	28	28	28	31	31	31	31	31	31	31										
31						28	28	28	28	28	28	32	32	32	32	32	32	32										
32						28	28	28	28	28	28	33	33	33	33	33	33	33										
33						28	28	28	28	28	28	34	34	34	34	34	34	34										
34						28	28	28	28	28	28	35	35	35	35	35	35	35										
35						28	28	28	28	28	28	36	36	36	36	36	36	36										
36																												
37						Piezometric PVC pipe of Ø 64 mm :																						
38	* plain from 0 to 13,5 m																											
39	* slotted from 13,5 to 35 m																											
40	-----																											
41	* concreted from 0 to 0,5 m																											
42	* bentonite grout from 0,5 to 11 m																											
43	* bentonite pellets from 11 to 13 m																											
44	* gravel (1,7 to 4,0 mm) from 13 to 35 m																											
45																												
46												46												46				
47												47												47				
48												48												48				
49												49												49				
50												50												50				
51												51												51				



SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

Date : 04/10/2010

Elevation (GL) : 1.468

Depth : 0.00 - 35.00 m

Drilling rig : S0C050

X : E.647320.940

Y : N.264094.595

BOREHOLE : DBH2009_04

Depth (m)	Description of strata	Water level	Drilling tools	Casing	Standpipe piezometer	Penetration rate (m/h)		Bit load (bar)		Flushing medium pressure (bar)		Rotation torque (bar)		Restraint pressure (bar)		Bit revolution (m/s)		Rate of mud supply (l/min)		
						0	100	200	0	50	100	0	4	8	0	70	0	4	0	200
0	Grey beige SAND 4.80 m	2.10 m start of shift	Drilling bit in Ø 115 mm + foregum polymer	Temporary steel casing Ø 122/146 mm (WL)	Plain PVC pipe	0						1		1		1		1		
1											2		2		2		2		2	
2											3		3		3		3		3	
3											4		4		4		4		4	
4	Silty PEAT 10.40 m				Plain PVC pipe	4						5		5		5		5		
5											6		6		6		6			
6											7		7		7		7			
7											8		8		8		8			
8											9		9		9		9			
9											10		10		10		10			
10											11		11		11		11			
11											12		12		12		12			
12	Grey Green SAND 20.50 m				Slotted PVC pipe	12						13		13		13		13		
13											14		14		14		14			
14											15		15		15		15			
15											16		16		16		16			
16											17		17		17		17			
17											18		18		18		18			
18											19		19		19		19			
19											20		20		20		20			
20											21		21		21		21			
21											22		22		22		22			
22	Piezometric PVC pipe of Ø 64 mm : * plain from 0 to 11 m * slotted from 11 to 20,5 m																			
23	* concrete from 0 to 0,5 m * bentonite grout from 0,5 to 8,5 m * bentonite pellets from 8,5 to 10,5 m * gravel (1,7 to 4,0 mm) from 10,5 to 20,5 m																			
24																				
25																				
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39												39		39		39		39		
40												40		40		40		40		
41												41		41		41		41		
42												42		42		42		42		
43												43		43		43		43		
44												44		44		44		44		
45												45		45		45		45		
46												46		46		46		46		
47												47		47		47		47		
48												48		48		48		48		
49												49		49		49		49		
50												50		50		50		50		
51												51		51		51		51		



SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

Date : 29/09/2010

Elevation (GL) : 1.414

Depth : 0.00 - 35.00 m

Drilling rig : S0C050

X : E.647304.502

Y : N.264094.429

BOREHOLE : DBH2009_05

Depth (m)	Description of strata	Water level	Drilling tools	Casing	Equipment forage	Penetration rate (m/h)	Bit load (bar)	Flushing medium pressure (bar)	Rotation torque (bar)	Restraint pressure (bar)	Bit revolution (m/s)	Rate of mud supply (l/min)
						0 20 40 0 50 100	0 7.5 15 0 70	0 20 0 300	0 70	0 20 0 300	0 70	
0	Beige sandy MADE GROUND with shell fragments 1.10 m	start of shift (0.50m)	HP	Temporary steel casing Ø 122/146 mm (WL)	Plain PVC pipe	1	1	1	1	1	1	1
2						2	2	2	2	2	2	
3						3	3	3	3	3	3	
4						4	4	4	4	4	4	
5	Grey green SAND 4.60 m					5	5	5	5	5	5	
6						6	6	6	6	6	6	
7	Grey black silty SAND 10.40 m					7	7	7	7	7	7	
8						8	8	8	8	8	8	
9						9	9	9	9	9	9	
10						10	10	10	10	10	10	
11	Dark grey SAND 18.10 m			Temporary steel casing Ø 122/146 mm (WL)	Slotted PVC pipe	11	11	11	11	11	11	11
12						12	12	12	12	12	12	
13						13	13	13	13	13	13	
14						14	14	14	14	14	14	
15						15	15	15	15	15	15	
16						16	16	16	16	16	16	
17						17	17	17	17	17	17	
18						18	18	18	18	18	18	
19						19	19	19	19	19	19	
20						20	20	20	20	20	20	
21	Grey green SAND 20.50 m			Temporary steel casing Ø 122/146 mm (WL)	Slotted PVC pipe	21	21	21	21	21	21	21
22						22	22	22	22	22	22	
23						23	23	23	23	23	23	
24						24	24	24	24	24	24	
25						25	25	25	25	25	25	
26						26	26	26	26	26	26	
27						27	27	27	27	27	27	
28						28	28	28	28	28	28	
29						29	29	29	29	29	29	
30						30	30	30	30	30	30	
31						31	31	31	31	31	31	
32	32	32	32	32	32	32						
33	33	33	33	33	33	33						
34	34	34	34	34	34	34						
35	35	35	35	35	35	35						
36	36	36	36	36	36	36						
37	37	37	37	37	37	37						
38	38	38	38	38	38	38						
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41	41	41	41	41	41	41						
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44	44	44	44	44	44	44						
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46	46	46	46	46	46	46						
47	47	47	47	47	47	47						
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49	49	49	49	49	49	49						
50	50	50	50	50	50	50						
51	51	51	51	51	51	51						

Piezometric PVC pipe of Ø 74 mm :
 * plain from 0 à 11,5 m
 * slotted from 11,5 to 20 m

* concreted from 0 to 0,5 m
 * cement / bentonite grout from 0,5 to 9,5 m
 * bentonite pellets from 9,5 to 11,0 m
 * gravel (1,7 to 4,0 mm) from 11,0 to 20 m



SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

Date : 12/10/2010

Elevation (GL) : 1.513

Depth : 0.00 - 20.00 m

Drilling rig : SOC050

X : E.647248.606

Y : N.264095.262

1/250

BOREHOLE : DBH2009_06

EXGTE 2.24/LC2EPF522FR

Depth (m)	Description of strata	Water level	Drilling tools	Casing	Standpipe piezometer	Penetration rate (m/h)	Bit load (bar)	Flushing medium pressure (bar)	Rotation torque (bar)	Restraint pressure (bar)	Bit revolution (m/s)	Rate of mud supply (l/min)		
						0 100 200	0 50 100	0 4 8	0 70	0 20	0 300	0 70		
0	Orange SAND (possible made ground) 0.90 m	start of shift (0.70 m)	foragum polymer	Temporary steel casing Ø 122/146 mm (WL)	Plain PVC pipe	1	1	1	1	1	1	1		
1						2	2	2	2	2	2			
2						3	3	3	3	3	3			
3						4	4	4	4	4	4			
4	5					5	5	5	5	5				
5	6					6	6	6	6	6				
6	7					7	7	7	7	7				
7	8					8	8	8	8	8				
8	9					9	9	9	9	9				
9	10					10	10	10	10	10				
10	11					11	11	11	11	11				
11	Grey green SAND (more compact from 14.50 m) 11.20 m				Drilling bit in Ø 115 mm + foragum polymer	18 m	Slotted PVC pipe	12	12	12	12	12	12	12
12								13	13	13	13	13	13	
13								14	14	14	14	14	14	
14								15	15	15	15	15	15	
15								16	16	16	16	16	16	
16								17	17	17	17	17	17	
17								18	18	18	18	18	18	
18								19	19	19	19	19	19	
19								20	20	20	20	20	20	
20		21	21	21				21	21	21				
21	22	22	22	22	22	22								
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Piezometric PVC pipe of Ø 64 mm :
 * plain from 0 to 11,5 m
 * slotted from 11,5 to 20,0 m

* concreted from 0 to 0,5 m
 * bentonite grout from 0,5 to 9,2 m
 * bentonite pellets from 9,2 to 11,2 m
 * gravel (1,7 to 4,0 mm) from 11,2 to 20 m

SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

Date : 11/10/2010

Elevation (GL) : 1.694

Depth : 0.00 - 20.00 m

Drilling rig : S0C050

X : E.647087.879

Y : N.264094.451

1/250

BOREHOLE : DBH2009_07

EXGTE 2.24/LC2EPF522FR

Depth (m)	Description of strata	Water level	Drilling tools	Casing	Standpipe piezometer	Penetration rate (m/h)		Bit load (bar)		Flushing medium pressure (bar)		Rotation torque (bar)		Restraint pressure (bar)		Bit revolution (m/s)		Rate of mud supply (l/min)		
						0 100 200	0 50 100	0 7.5 15	0 70	0 20	0 300	0 70								
0	Orange SAND (possible made ground)	start of shift (0,90 m)	Drilling bit in Ø 115 mm + foragum polymer	Temporary steel casing Ø 122/146 mm (WL)	Plain PVC pipe	0 100 200	0 50 100	0 7.5 15	0 70	0 20	0 300	0 70	0 70	0 20	0 300	0 70	0 70	0 70	0 70	
1	0.95 m																			
2	Grey green SAND																			
3	4.30 m																			
4	Brown green peaty SAND																			
5	5.50 m																			
6	PEAT (gravelly band from 11 to 11,4 m)																			
7	13.30 m																			
8	Grey green SAND with flints																			
9	20.00 m																			
10																				
11																				
12																				
13																				
14																				
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Piezometric PVC pipe of Ø 64 mm :
 * plain from 0 to 14 m
 * slotted from 14 to 20,0 m

* concreted from 0 to 0,5 m
 * bentonite grout from 0,5 to 11,5 m
 * bentonite pellets from 11,5 to 13,5 m
 * gravel (1,7 to 4,0 mm) from 13,5 to 20 m



SOIL MECHANICS - SIZEWELL C, LEISTON IP 16

Date : 30/11/2010

Elevation (GL) : 1.674

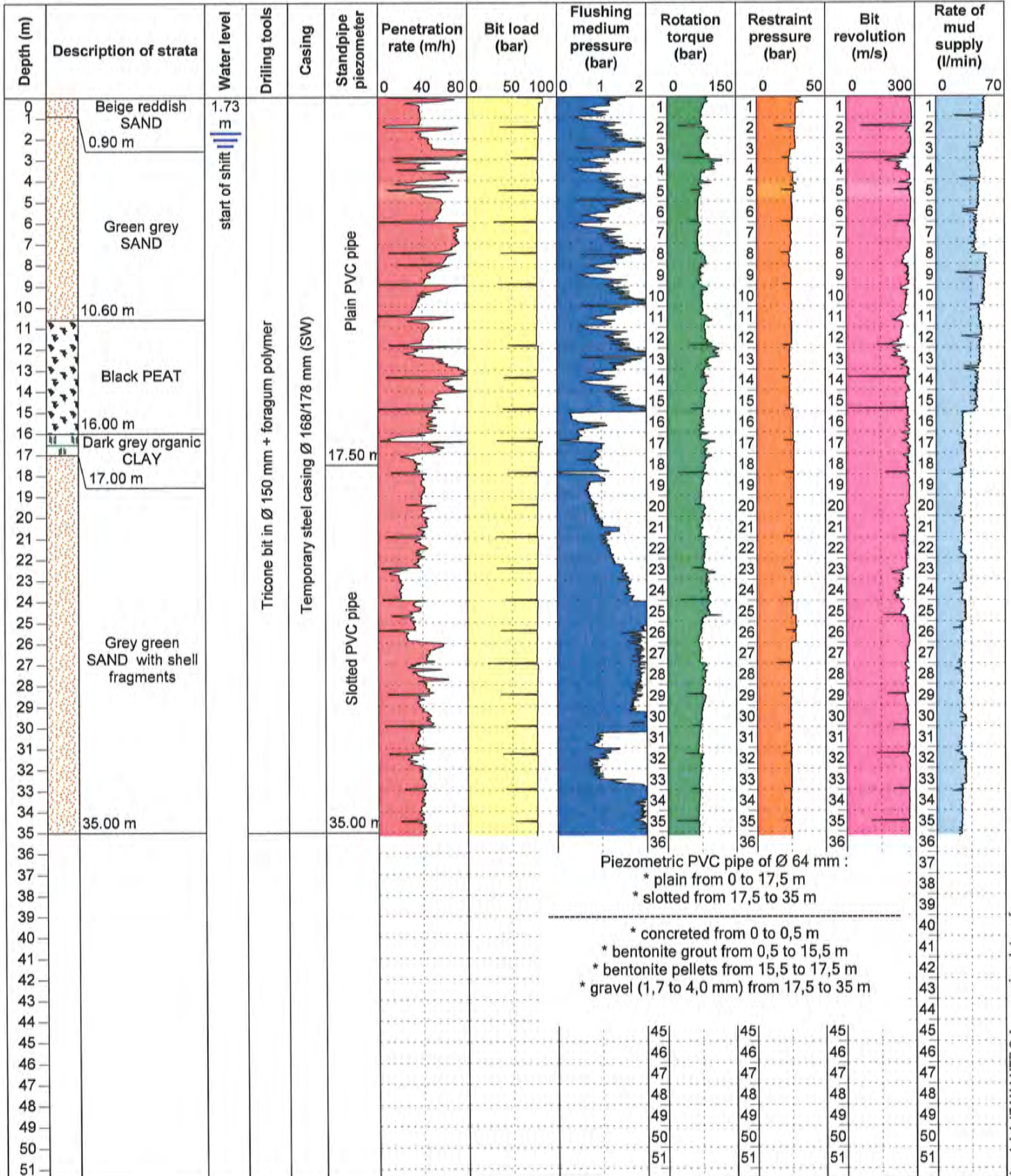
Depth : 0.00 - 35.00 m

Drilling rig : EMC1700

X : E.647339.203

Y : N.264094.842

BOREHOLE : DBH2009_08





SOIL MECHANICS - SIZEWELL C, LEISTON IP 16

Job 1009

Date : 07/12/2010

Elevation (GL) : 1.839

Depth : 0.00 - 35.00 m

Drilling rig : EMCI700

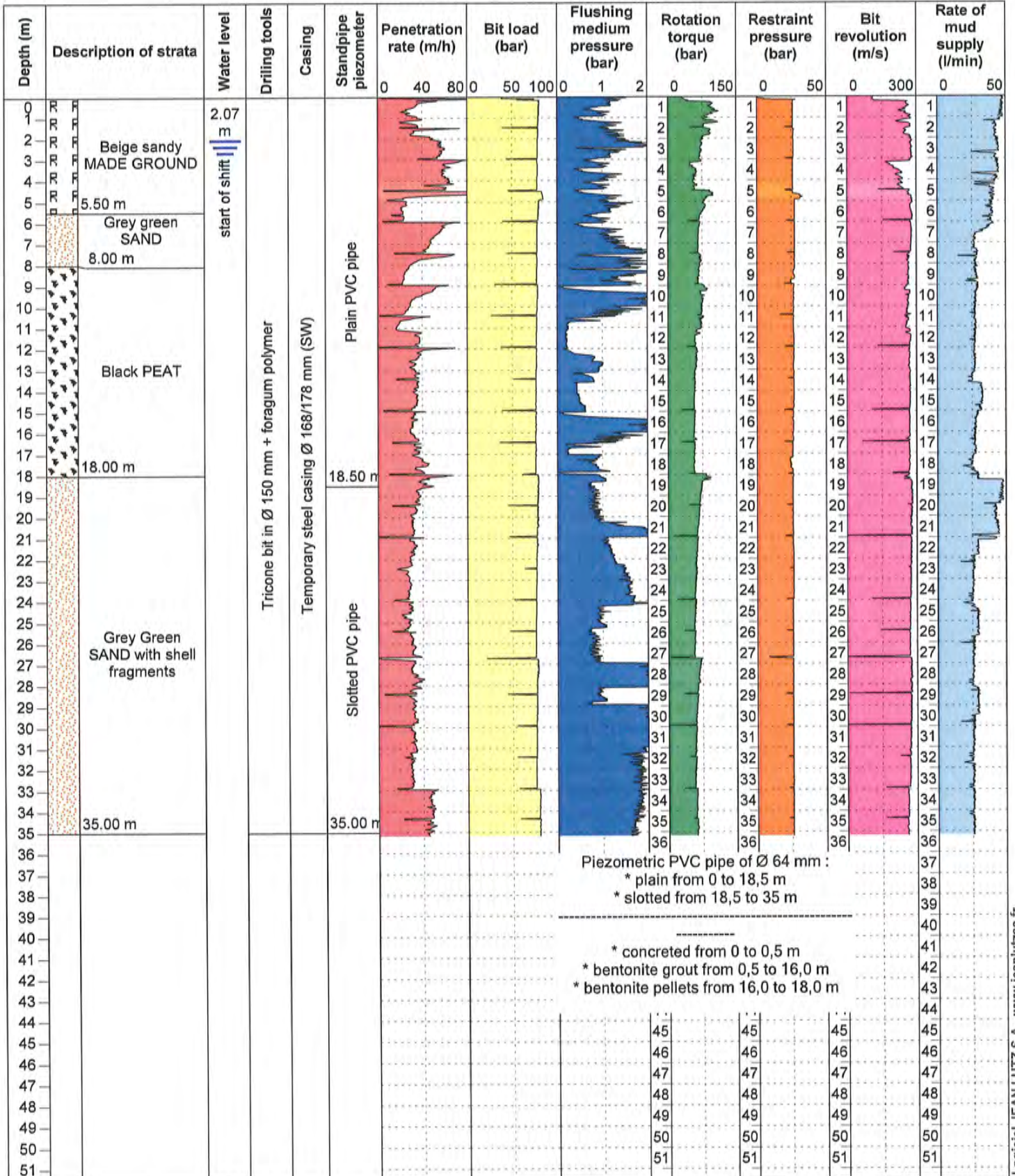
X : E.647357.017

Y : N.264095.023

1/250

BOREHOLE : DBH2009_09

EXGTE 2.24/LC2EPF520FR





SOIL MECHANICS - SIZEWELL C, LEISTON IP 16

Job 1009

Date : 24/11/2010

Elevation (GL) : 1.784

Depth : 0.00 - 35.00 m

Drilling rig : EMC1700

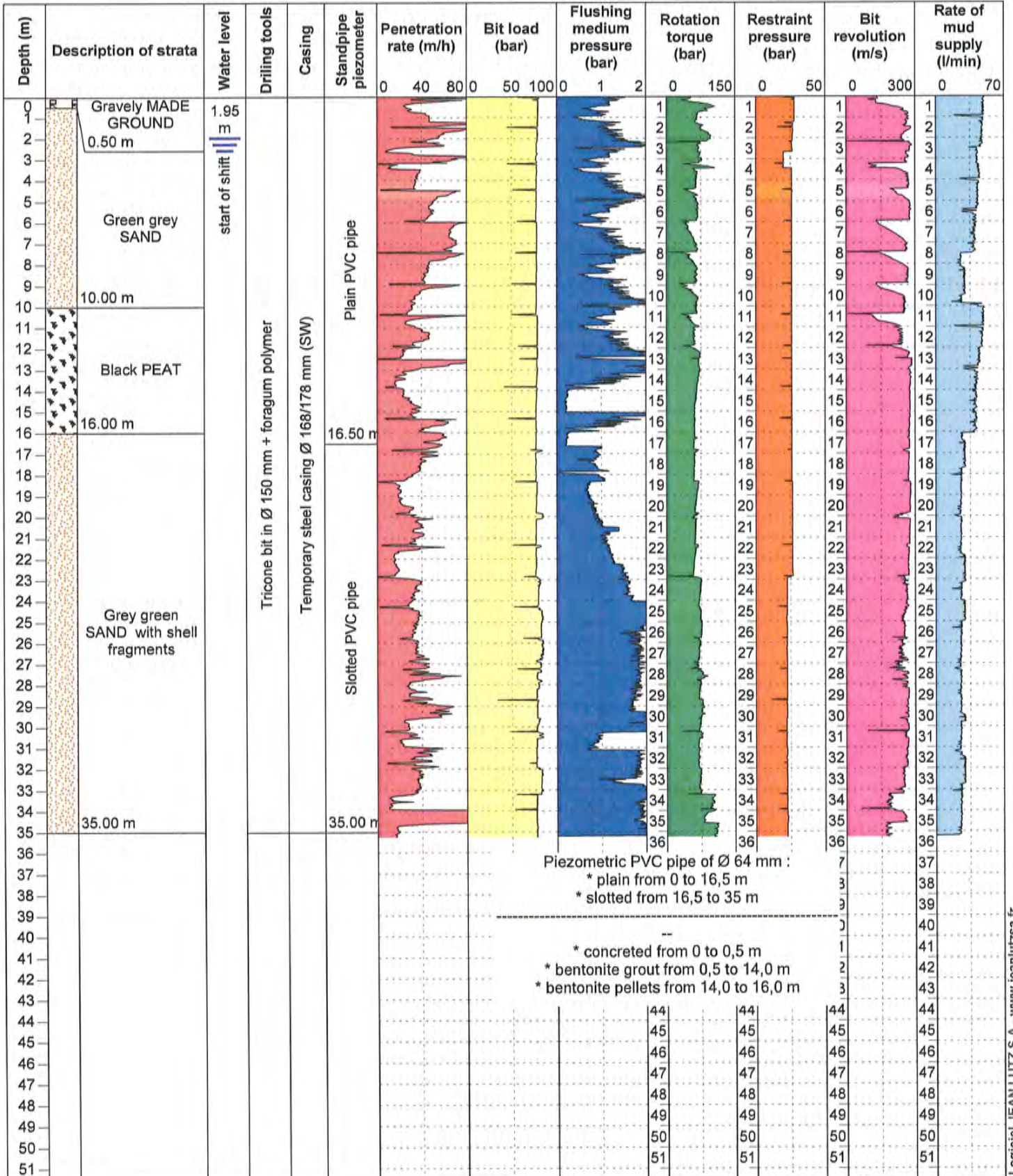
X : E.647411.130

Y : N.264094.980

1/250

BOREHOLE : DBH2009_10

EXGTE 2.24/LC2EPF520FR





SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

job 10.119

Date : 16/10/2010

Elevation (GL) : 3.253

Depth : 0.00 - 20.00 m

Drilling rig : S0C050

X : E.647559.581

Y : N.264095.188

1/250

BOREHOLE : DBH2009_11

EXGTE 2.24/LC2EPF522FR

Depth (m)	Description of strata	Water level	Drilling tools	Casing	Standpipe piezometer	Penetration rate (m/h)			Bit load (bar)			Flushing medium pressure (bar)			Rotation torque (bar)			Restraint pressure (bar)			Bit revolution (m/s)			Rate of mud supply (l/min)		
						0	50	100	0	50	100	0	7.5	15	0	70		0	20		0	300		0	70	
0	Beige SAND with pebbles 5.10 m	2.90 m start of shift	Drilling bit in Ø 115 mm + foragum polymer	Temporary steel casing 122/146 mm (WL)	Plain PVC pipe	[Graph]			[Graph]			[Graph]			[Graph]			[Graph]			[Graph]					
2						[Graph]			[Graph]			[Graph]			[Graph]			[Graph]			[Graph]					
3						[Graph]			[Graph]			[Graph]			[Graph]			[Graph]			[Graph]					
4						[Graph]			[Graph]			[Graph]			[Graph]			[Graph]			[Graph]					
5						[Graph]			[Graph]			[Graph]			[Graph]			[Graph]			[Graph]					
6	Grey SAND with debris of shell fragments 8.30 m	2.90 m start of shift	Drilling bit in Ø 115 mm + foragum polymer	Temporary steel casing 122/146 mm (WL)	Plain PVC pipe	[Graph]			[Graph]			[Graph]			[Graph]			[Graph]			[Graph]					
7						[Graph]			[Graph]			[Graph]			[Graph]			[Graph]			[Graph]					
8	[Graph]					[Graph]			[Graph]			[Graph]			[Graph]			[Graph]								
9	[Graph]					[Graph]			[Graph]			[Graph]			[Graph]			[Graph]								
10	[Graph]					[Graph]			[Graph]			[Graph]			[Graph]			[Graph]								
11	Silty to peaty SAND 15.20 m	2.90 m start of shift	Drilling bit in Ø 115 mm + foragum polymer	Temporary steel casing 122/146 mm (WL)	Plain PVC pipe	[Graph]			[Graph]			[Graph]			[Graph]			[Graph]			[Graph]					
12						[Graph]			[Graph]			[Graph]			[Graph]			[Graph]			[Graph]					
13						[Graph]			[Graph]			[Graph]			[Graph]			[Graph]			[Graph]					
14						[Graph]			[Graph]			[Graph]			[Graph]			[Graph]			[Graph]					
15						[Graph]			[Graph]			[Graph]			[Graph]			[Graph]			[Graph]					
16	Grey green SAND 20.00 m	2.90 m start of shift	Drilling bit in Ø 115 mm + foragum polymer	Temporary steel casing 122/146 mm (WL)	Slotted PVC pipe 20.00 m	[Graph]			[Graph]			[Graph]			[Graph]			[Graph]			[Graph]					
17						[Graph]			[Graph]			[Graph]			[Graph]			[Graph]			[Graph]					
18						[Graph]			[Graph]			[Graph]			[Graph]			[Graph]			[Graph]					
19						[Graph]			[Graph]			[Graph]			[Graph]			[Graph]			[Graph]					
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51						[Graph]			[Graph]			[Graph]			[Graph]			[Graph]								

Piezometric PVC pipe of Ø 64 mm :
 * plain from 0 to 16 m
 * slotted from 16 to 20 m

- * concreted from 0 to 0,5 m
- * bentonite grout from 0,5 to 13,5 m
- * bentonite pellets from 13,5 to 15,5 m
- * gravel (1,7 to 4,0 mm) from 15,5 to 20 m



SOIL MECHANICS - SIZEWELL C, LEISTON IP 16

Job 1009

Date : 27/11/2010

Elevation (GL) : 1.572

Depth : 0.00 - 35.00 m

Drilling rig : EMCI700

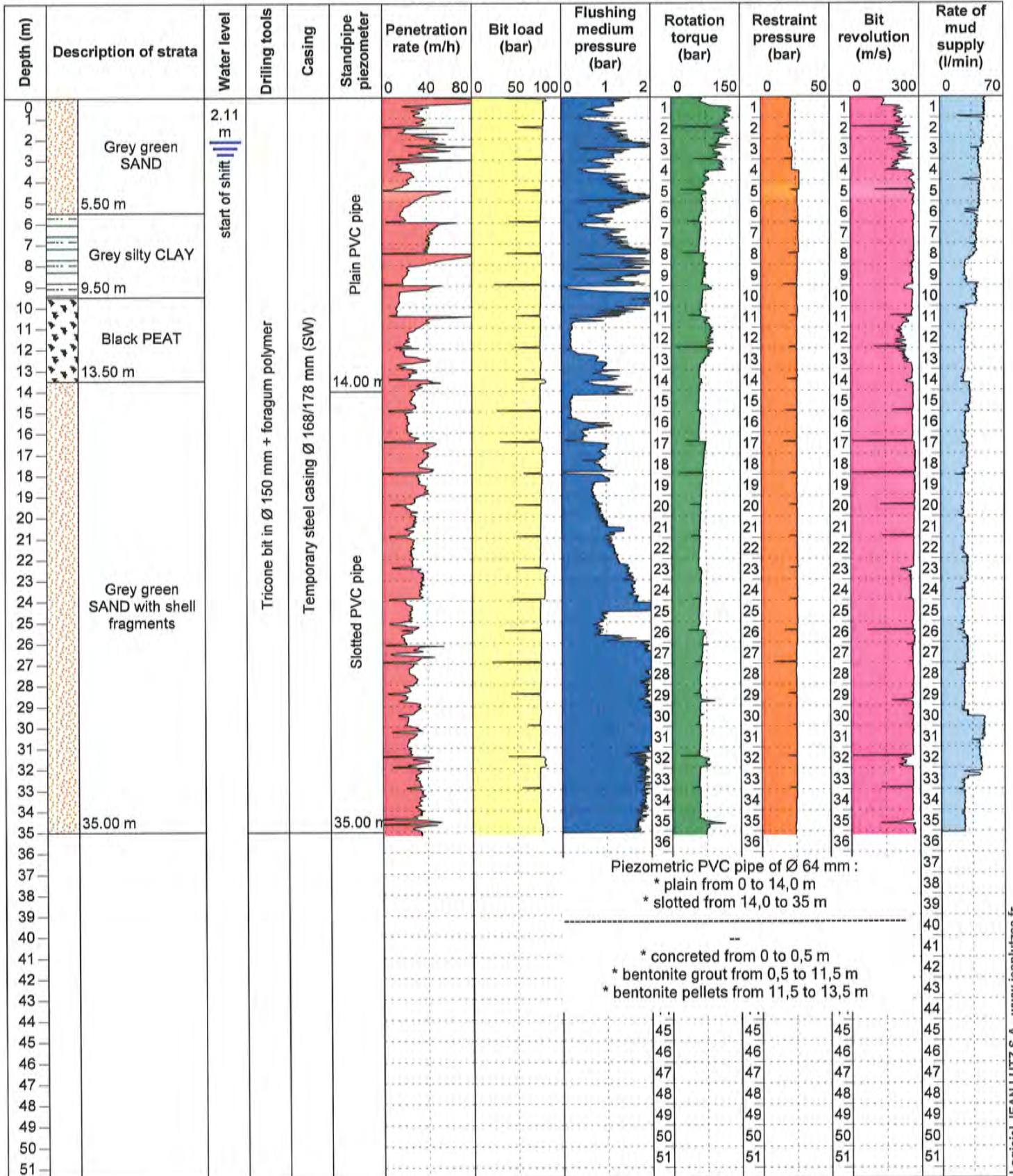
X : E.647329.983

Y : N.264069.761

1/250

BOREHOLE : DBH2009_12

EXGTE 2.24/LC2EPF520FR





SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

job 10.119

Date : 06/10/2010

Elevation (GL) : 2.052

Depth : 0.00 - 35.00 m

Drilling rig : S0C050

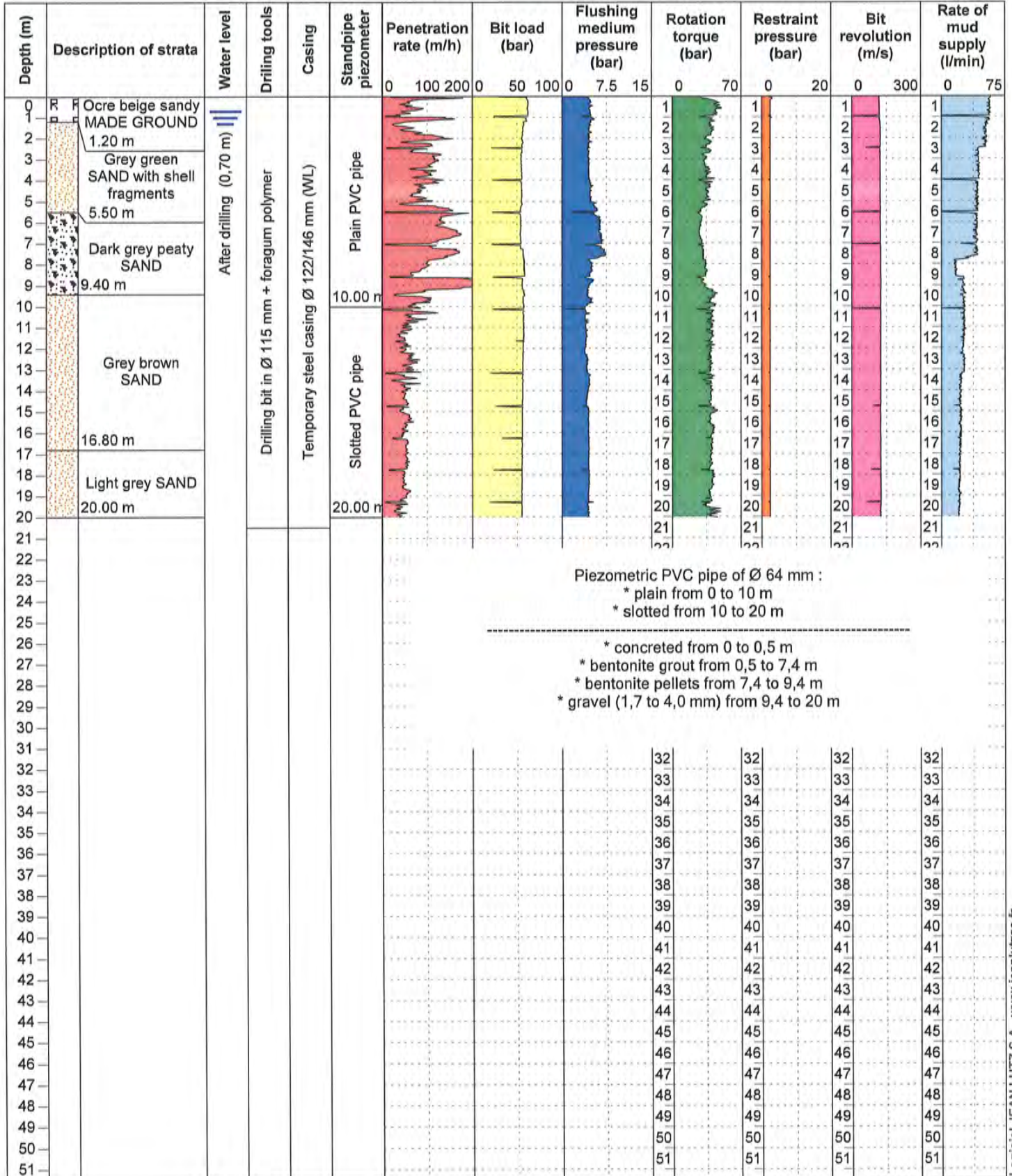
X : E.647329.628

Y : N.263969.385

1/250

BOREHOLE : DBH2009_13

EXGTE 2.24/LC2EPF522FR





SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

job 10.119

Date : 14/10/2010

Elevation : 6.270

Depth : 0.00 - 20.00 m

Drilling rig : S0C050

X : E.647330.173

Y : N.263846.450

1/250

BOREHOLE : DBH2009_14

EXGTE 2.24/LC2EPF522FR

Depth (m)	Description of strata	Water level	Drilling tools	Casing	Standpipe piezometer	Penetration rate (m/h)			Bit load (bar)			Flushing medium pressure (bar)			Rotation torque (bar)			Restraint pressure (bar)			Bit revolution (m/s)			Rate of mud supply (l/min)				
						0	40	80	0	50	100	0	7.5	15	0	70	0	20	0	300	0	70						
0	Orange SAND 4.90 m Beige SAND with debris of shell fragments 6.80 m Reddish orange SAND 20.00 m	5.45 m	After drilling	Drilling bit in Ø 115 mm + foragum polymer	Plain PVC pipe	0																						
1																												
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Piezometric PVC pipe of Ø 64 mm :
 * plain from 0 to 10 m
 * slotted from 10 to 20 m

* concreted from 0 to 0,5 m
 * bentonite grout from 0,5 to 6,5 m
 * bentonite pellets from 6,5 to 9,5 m
 * gravel (1,7 to 4,0 mm) from 9,5 to 20 m



SOIL MECHANICS - SIZEWELL B, LEISTON IP 16

job 10.119

Date : 22/09/2010

Elevation (GL) : 6.036

Depth : 0.00 - 30.00 m

Drilling rig : S0C050

X : N.647156.156

Y : E.264673.542

1/250

BOREHOLE : DBH2009_15

EXGTE 2.24/LC2EPF522FR

Depth (m)	Description of strata	Water level	Drilling tools	Casing	Equipment forage	Penetration rate (m/h)			Bit load (bar)			Flushing medium pressure (bar)			Rotation torque (bar)			Restraint pressure (bar)			Bit revolution (m/s)			Rate of mud supply (l/min)																										
						0	40	80	0	50	100	0	7.5	15	0	70	140	0	20	40	0	300	600	0	50	100																								
0	Sandy MADE GROUND 1.40 m	start of shift (0,40m)	HP	Temporary steel casing Ø 122/146 mm (WL)	Plain PVC pipe	[Graph: Penetration rate]			[Graph: Bit load]			[Graph: Flushing medium pressure]			[Graph: Rotation torque]			[Graph: Restraint pressure]			[Graph: Bit revolution]			[Graph: Rate of mud supply]																										
1						2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
2	Beige ocre slightly clayey SAND 20.00 m		Drilling bit in Ø 115 mm + foragum polymer	Temporary steel casing Ø 122/146 mm (WL)	Slotted PVC pipe	[Graph: Penetration rate]			[Graph: Bit load]			[Graph: Flushing medium pressure]			[Graph: Rotation torque]			[Graph: Restraint pressure]			[Graph: Bit revolution]			[Graph: Rate of mud supply]																										
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21	Piezometric PVC pipe of Ø 74 mm : * plain from 0 à 10 m * slotted from 10 to 20 m ----- * concreted from 0 to 0,5 m * bentonite pellets from 0,5 to 10 m * gravel (1,7 to 4,0 mm) from 10 to 20 m																																																	
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A5. Statistical analysis of Ménard Pressuremeter tests per borehole

MPM13 90 Prof	Em	Pf	Pl retenu	Em/ Pl
10	3	0	0,42	7
11	2	0	0,38	6
12	6	0	0,50	13
13	6	0	0,89	7
14	8	1	1,05	8
15	8	1	1,43	5
16	34	2	3,64	9
17	34	2	4,33	8
18	29	2	4,75	6
19	297			
20	316			
21	265			
22	166			
23	110			
24	68			
25	71	4	9,21	8
26	76	3	7,82	10
27	91	4	8,22	11
28	27	3	6,42	4
29	55	3	8,45	6
30	104	4	12,41	8
31	97	3	12,02	8
32	130			
33	157			
34	102	4	11,35	9
35	106	4	11,61	9
36	65	3	6,50	10
37	66	3	6,00	11
38	82	4	11,25	7
39	97	4	10,17	10
40	91	4	10,93	8
41	256			
42	308			
43	295			
44	301			
45	225			
46	243			
47	115	3	6,72	17
48	59	2	4,41	13
49	77	2	4,15	19
50	44	2	4,41	10
51	47	2	4,96	10
52	42	2	2,70	15
53	38	2	3,72	10
54	40	2	3,74	11
55	76	2	4,90	16
56	130,282	3,155	7,590	
57	207,014	3,698	18,008	
58	63	4	7,18	9
59	83	4	7,68	11
60	139	4	7,20	19
61	146	3	8,32	18
62	129	3	10,69	12
63	121	4	8,46	14
64	125	4	7,92	16
65	214	4	7,94	27
66	254	4	10,12	25
67	118	4	8,69	14
68	180	4	11,00	16
69	224	4	15,73	14
70	207	4	14,49	14
71	219	4	9,72	23
72	170	3	11,01	15
73	447	4	17,08	26
74	250	3	8,52	29
75	413	4	7,27	57
76	276	4	7,55	36
77	197	4	7,09	28
78	232	4	6,89	32
79	230	3	6,28	41
80	278	4	6,94	40
81	238	4	6,33	41
82	220	4	6,82	32
83	218	3	6,11	36
84	198	3	5,76	34
85	214	4	6,39	33
86	180	4	6,26	29
87	244			
88	300			
89	486			
90	184	4	7,82	24
91	304			
92	219	4	9,26	24
93	239	4	10,50	23
94	424			
95	457			
96	368	5	17,01	22
97	378	5	13,69	27
98	377			
99	424			

Depth of head	MPM2009_13	Em	Pf	Pl	Em/Pl
	Alluvium				
	Min	2,43	0,21	0,38	6,40
	Max	6,38	0,45	0,89	12,74
	Mean	4,47	0,39	0,55	8,20
	Std Devia	2,19	0,10	0,24	3,04
	Devia	49,00	33,91	43,02	37,13
14	Crag 1				
	Min	7,60	0,57	1,05	5,30
	Max	33,79	2,02	4,75	9,28
	Mean	22,49	1,36	3,04	7,28
	Std Devia	13,39	0,70	1,69	1,58
	Devia	59,56	51,72	55,69	21,72
19	Crag 2				
	Min	27,27	2,71	6,00	4,25
	Max	316,34	3,74	12,41	11,12
	Mean	119,94	3,39	9,45	8,57
	Std Devia	77,33	0,34	2,23	1,83
	Devia	64,47	9,93	23,58	21,32
41	Crag 3				
	Min	115,22	3,32	6,72	17,14
	Max	308,13	3,32	6,72	17,14
	Mean	249,13	3,32	6,72	17,14
	Std Devia	66,96			
	Devia	26,88			
48	London Clay				
	Min	38,40	1,66	2,70	9,91
	Max	77,47	2,42	4,90	18,67
	Mean	52,94	2,14	4,07	13,03
	Std Devia	16,15	0,27	0,68	3,26
	Devia	30,50	12,75	16,79	25,00
58	Lambeth Sand				
	Min	63,47	2,93	7,18	8,84
	Max	446,85	4,02	17,08	29,36
	Mean	181,69	3,74	10,10	17,60
	Std Devia	88,74	0,39	3,00	6,10
	Devia	48,84	10,56	29,73	34,28
75	Lambeth Clay				
	Min	196,75	3,07	6,11	27,74
	Max	412,64	4,11	7,55	56,79
	Mean	259,38	3,85	6,80	38,08
	Std Devia	63,87	0,36	0,48	8,31
	Devia	0,25	0,09	0,07	0,22
84	Upper Chalk				
	Min	180,37	3,13	5,76	21,61
	Max	486,21	4,72	17,01	34,12
	Mean	312,06	3,99	9,56	26,94
	Std Devia	104,32	0,55	4,00	4,86
	Devia	0,33	0,14	0,42	0,18

MPM2009-01

89 Prof	Em	Pf	PI retenu	Em/ PI
10	2	0	0,42	4
11	13	1	1,97	7
12	14	1	2,06	7
13	22	1	2,62	8
14	29	1	3,25	9
15	28	1	2,89	10
16	28	1	3,71	7
17	27	1	3,59	8
18	27	1	2,87	9
19	98	2	9,18	11
20	72	2	6,73	11
21	71	4	8,65	8
22	73	4	8,60	8
23	106	3	9,53	11
25	34			
26	223	4	18,75	12
27	159	4	11,28	14
28	87	3	8,60	10
29	66	3	6,87	10
30	111	4	15,31	7
31	132	3	10,17	13
32	123	4	10,37	12
33	119	4	9,13	13
34	176	4	13,98	13
35	129	4	10,10	13
36	232	4	15,64	15
37	163	4	11,69	14
38	216	4	15,90	14
39	178	4	12,60	14
40	150	4	10,39	14
41	153	4	10,69	14
42	58	3	7,41	8
43	139			
44	58	3	6,78	8
45	39	2	3,04	13
46	19	1	3,06	6
47	49	2	3,24	15
48	31	2	3,05	10
49	21	2	3,31	6
50	29	2	3,19	9
51	70	3	4,94	14
52	52	3	3,78	14
53	30	2	3,28	9
54	19	2	2,76	7
55	14	2	3,04	5
56	224,92			
57	838,379			
58	532,454			
59	138			
60	136			
61	120			
62	102			
63	115	4	11,84	10
64	115	4	11,50	10
65	56	3	3,94	14
66	31	2	3,03	10
67	43	2	2,76	16
68	37	2	2,41	16
69	52	3	4,39	12
70	54	2	3,61	15
71	121	4	4,78	25
72	208	4	8,62	24
73	222	4	10,35	21
74	123			
75	160	4	10,62	15
76	147			
77	134	4	9,60	14
78	147			
79	105	4	9,39	11
80	110	4	10,66	10
81	156	4	12,06	13
82	81	4	7,55	11
83	108	4	7,04	15
84	95	4	5,99	16
85	190			
86	153	4	12,43	12
87	154			
88	206			
89	123	4	9,20	13
90	131	4	10,20	13
91	200			
92	173	4	9,09	19
93	201	4	16,42	12
94	214	4	13,64	16
95	172			
96	464	4		
97	325	4	10,07	32
98	296	4	17,18	17
99	134	4	9,64	14

Depth of head MPM2009_01

	Em	Pf	PI	Em/PI
Alluvium				
Min	1,83	0,27	0,42	4,37
Max	1,83	0,27	0,42	4,37
Mean	1,83	0,27	0,42	4,37
Std Devia				
Devia				
Crag 1	Em	Pf	PI	Em/PI
Min	12,9	0,7	2,0	6,6
Max	98,5	3,6	9,2	10,7
Mean	41,9	1,7	4,7	8,6
Std Devia	28,4	1,0	2,8	1,3
Devia	67,9	60,5	59,4	15,5
Crag 2	Em	Pf	PI	Em/PI
Min	34,40	2,66	6,87	7,23
Max	222,91	3,77	18,75	14,08
Mean	122,03	3,45	11,28	11,57
Std Devia	49,54	0,37	3,42	1,94
Devia	40,60	10,80	30,32	16,81
Crag 3	Em	Pf	PI	Em/PI
Min	55,94	2,82	6,78	7,79
Max	231,77	3,78	15,90	14,82
Mean	149,36	3,58	11,39	12,66
Std Devia	60,76	0,35	3,35	2,89
Devia	40,68	9,71	29,42	22,80
London Clay	Em	Pf	PI	Em/PI
Min	14,17	1,38	2,76	4,66
Max	70,40	2,74	4,94	15,03
Mean	33,97	2,05	3,33	9,87
Std Devia	17,09	0,39	0,59	3,62
Devia	50,32	18,85	17,67	36,67
Lambeth Sand	Em	Pf	PI	Em/PI
Min	31,00	1,72	2,41	9,68
Max	137,67	3,88	11,84	15,61
Mean	83,23	2,63	5,43	12,74
Std Devia	41,06	0,84	3,90	2,58
Devia	49,33	31,90	71,80	20,23
Lambeth Clay	Em	Pf	PI	Em/PI
Min	105,44	3,53	4,78	10,31
Max	222,12	4,14	12,06	25,26
Mean	148,63	3,96	9,51	16,79
Std Devia	37,58	0,26	2,17	5,93
Devia	25,30	6,68	22,81	35,32
Upper Chalk	Em	Pf	PI	Em/PI
Min	81,07	3,66	5,99	10,74
Max	464,40	4,21	17,18	32,29
Mean	190,09	4,11	10,70	15,91
Std Devia	93,25	0,14	3,55	5,66
Devia	49,06	3,52	33,15	35,59

MPM2009-02

90 Prof	Em	Pf	PI retenu	Em/ PI
10	9	1	1,77	5
11	8	1	1,39	6
12	25	2	3,92	6
13	15	1	3,11	5
14	30	1	3,53	8
15	23	1	3,13	7
16	28	2	4,17	7
17	47	2	6,04	8
18	47	3	7,86	6
19	83	3	10,36	8
20	99	2	9,80	10
21	38	3	6,81	6
22	96	3	9,67	10
23	105	3	10,82	10
24	52	3	9,47	5
25	44	2	5,42	8
26	68	3	7,05	10
27	44	3	6,51	7
28	30	2	5,67	5
29	49	3	7,94	6
30	155			
31	251			
32	225			
33	333			
34	132	4	10,81	12
35	93	3	9,17	10
36	82	4	10,02	8
37	219	3	10,19	21
38	331			
39	297			
40	226	3	15,28	15
41	127	3	11,92	11
42	102	4	10,87	9
43	59	2	4,26	14
44	32	3	3,95	8
45	35	2	3,59	10
46	35	2	3,66	10
47	36	2	3,23	11
48	61	3	4,84	13
49	41	3	4,17	10
50	37	3	4,18	9
51	22	1	2,02	11
52	42	2	3,44	12
53	58	2	3,73	16
54	45	2	3,92	11
55	20			
56,5	85 825	3 892	7 424	
57	474 152			
58	88 68	3 046	8 418	
59	135	4	9,68	14
60	67	3	7,41	9
61	35	2	3,82	9
62	47	2	3,43	14
63	42	3	3,47	12
64	20	2	4,00	5
65	11	1	1,19	9
66	53	4	7,27	7
67	64	4	6,89	9
68	50	4	7,71	7
69	81			
70	63			
71	75			
72	97			
73	107			
74	146	4	8,57	17
75	84	3	6,28	13
76	162	4	8,94	18
77	84	4	7,88	11
78	107	4	10,05	11
79	164	4	14,08	12
80	443			
81	363	4	11,82	31
82	180	4	10,40	17
83	312			
84	141	4	10,98	13
85	119	4	9,05	13
86	146	4	9,40	15
87	87	4	8,37	10
88	139	4	13,49	10
89	69	3	8,58	8
90	149	4	12,13	12
91	267			
92	97	4	8,93	11
93	76	3	7,89	10
94	196	4	11,17	18
95	116	4	9,43	12
96	97	4	7,13	14
97	196	4	13,33	15
98	178	4	10,31	17
99	137	4,2	8,33	16

Depth of head MPM2009_02

	Em	Pf	PI	Em/PI
Alluvium				
Min				
Max				
Mean				
Std Devia				
Devia				

10

Crag 1	Em	Pf	PI	Em/PI
Min	7,87	0,65	1,39	4,86
Max	99,11	3,41	10,36	10,11
Mean	42,12	1,88	5,50	7,07
Std Devia	31,47	0,98	3,13	1,72
Devia	74,72	51,83	56,80	24,31

23

Crag 2	Em	Pf	PI	Em/PI
Min	30,13	2,10	5,42	5,32
Max	154,82	3,47	10,82	9,68
Mean	68,09	2,89	7,55	7,27
Std Devia	41,66	0,50	2,00	1,85
Devia	61,18	17,19	26,45	25,49

31

Crag 3	Em	Pf	PI	Em/PI
Min	82,23	2,64	9,17	8,21
Max	332,94	3,70	15,28	21,44
Mean	201,53	3,31	11,18	12,40
Std Devia	92,13	0,37	2,00	4,51
Devia	45,72	11,16	17,89	36,37

43

London Clay	Em	Pf	PI	Em/PI
Min	19,76	1,37	2,02	8,18
Max	60,77	3,40	4,84	15,51
Mean	40,15	2,29	3,75	11,13
Std Devia	13,02	0,55	0,69	2,15
Devia	32,43	24,17	18,50	19,29

59

Lambeth Sand	Em	Pf	PI	Em/PI
Min	10,89	0,71	1,19	5,05
Max	162,02	4,00	9,68	18,13
Mean	74,51	3,01	6,05	11,08
Std Devia	41,87	0,98	2,60	4,01
Devia	56,20	32,58	42,95	36,22

77

Lambeth Clay	Em	Pf	PI	Em/PI
Min	83,79	4,04	7,88	10,60
Max	443,12	4,15	14,08	30,69
Mean	231,95	4,08	10,96	15,89
Std Devia	161,26	0,05	2,63	9,88
Devia	69,52	1,15	23,99	62,20

82

Upper Chalk	Em	Pf	PI	Em/PI
Min	68,81	2,69	7,13	8,02
Max	311,70	4,24	13,49	17,54
Mean	150,12	3,89	9,93	13,26
Std Devia	64,13	0,45	1,88	2,98
Devia	42,72	11,66	18,95	22,48

2009-03				Em/ PI
Prof	Em	Pf	PI retenu	
10	16	1	2,41	7
11	13	1	1,56	8
12	18	1	2,15	8
13	21	1	2,72	8
14	19	1	2,60	7
15	26	1	2,67	10
16	19	1	2,93	7
17	31	1	3,80	8
18	33	2	3,42	10
19	43	2	5,63	8
20	41	3	5,55	7
21	68	3	6,55	10
22	130			
23	76			
24	92	3	7,28	13
25	62	3	7,38	8
26	80	3	8,08	10
27	57	3	6,52	9
28	60	3	6,97	9
29	105	3	8,57	12
30	88	3	8,72	10
31	97	3	9,01	11
32	86	4	8,19	10
33	117			
34	183			
35	227			
36	170			
37	103			
38	160			
39	196			
40	63			
41	75			
42	80	2	7,11	11
43	16	2	4,21	4
44	23	1	4,34	5
45	32	1	3,06	10
46	44	2	4,07	11
47	37	2	3,58	10
48	38	2	3,50	11

MPM2009_03					
Depth of head	Em	Pf	PI	Em/PI	
	Alluvium				
	Min				
	Max				
	Mean				
	Std Devia				
	Devia				
10	Crag 1	Em	Pf	PI	Em/PI
	Min	12,78	0,53	1,56	6,53
	Max	67,58	3,09	6,55	10,32
	Mean	28,87	1,46	3,50	8,13
	Std Devia	15,49	0,80	1,58	1,19
	Devia	53,66	55,07	45,09	14,63
22	Crag 2	Em	Pf	PI	Em/PI
	Min	56,83	2,54	6,52	8,35
	Max	182,86	3,64	9,01	12,69
	Mean	94,70	2,80	7,86	10,19
	Std Devia	34,25	0,36	0,86	1,54
	Devia	36,17	12,94	10,91	15,12
35	Crag 3	Em	Pf	PI	Em/PI
	Min	63,21	2,33	7,11	11,22
	Max	227,03	2,33	7,11	11,22
	Mean	134,14	2,33	7,11	11,22
	Std Devia	62,04			
	Devia	46,25			
43	London Clay	Em	Pf	PI	Em/PI
	Min	16,45	1,30	3,06	3,91
	Max	43,96	1,90	4,34	10,97
	Mean	31,67	1,64	3,79	8,59
	Std Devia	10,28	0,28	0,49	3,14
	Devia	0,32	0,17	0,13	0,37

2009-4				Em/ PI
Prof	Em	Pf	PI retenu	
10	2	0	0,36	5
11	31	1	3,14	10
12	30	1	3,21	9
13	30	1	3,01	10
14	27	1	3,36	8
15	23	1	3,39	7
16	37	1	3,69	10
17	37	2	4,98	8
18	50	2	5,28	9
19	36	2	4,86	7
20	67	3	7,56	9
21	135	4	15,46	9
22	152	4	10,62	14
23	83	3	8,29	10
24	64	3	8,33	8
25	57	3	7,39	8
26	21	2	4,48	5
27	59	2	6,46	9
28	41	2	5,58	7
29	61	3	7,04	9
30	62	3	7,80	8
31	135	3	14,26	9
32	170			
33	112	2	10,96	10
34	419			
35	506			
36	420			
37	166			
38	143			
39	366			
40	464			
41	408			
42	407			
43	51	3	6,88	7
44	130	4	10,87	12
45	39	2	4,03	10
46	31	2	2,93	11
47	41	2	2,77	15
48	41	2	2,83	15

MPM2009_04		Em	Pf	PI	Em/PI
Depth of head					
Alluvium					
Min		1,71	0,17	0,36	4,80
Max		1,71	0,17	0,36	4,80
Mean		1,71	0,17	0,36	4,80
Std Devia					
Devia					
11					
Crag 1					
Min	Em	Pf	PI	Em/PI	
Max	22,79	1,22	3,01	6,72	
Mean	130,40	3,82	10,87	14,95	
Std Devia	55,78	2,62	5,05	11,56	
Devia	37,08	0,75	3,25	2,90	
	66,48	28,64	64,35	25,09	
21					
Crag 2					
Min	Em	Pf	PI	Em/PI	
Max	20,82	2,16	4,48	4,65	
Mean	169,90	3,95	15,46	14,36	
Std Devia	88,59	2,97	8,80	8,82	
Devia	46,94	0,62	3,35	2,29	
	52,99	20,87	37,65	25,92	
34					
Crag 3					
Min	Em	Pf	PI	Em/PI	
Max	50,99	3,26	6,88	7,41	
Mean	505,53	3,82	10,87	12,00	
Std Devia	316,35	3,54	8,88	9,70	
Devia	159,88	0,40	2,82	3,25	
	50,54	11,28	31,75	33,45	
45					
London Clay					
Min	Em	Pf	PI	Em/PI	
Max	31,38	2,00	2,77	9,73	
Mean	41,48	2,35	4,03	14,95	
Std Devia	38,33	2,16	3,14	12,49	
Devia	4,74	0,19	0,60	2,66	
	12,37	8,66	18,97	21,27	

2009-5				Em/ PI
Prof	Em	Pf	PI retenu	
10	14	1	1,59	9
11	13	1	2,11	6
12	15	1	1,87	8
13	24	1	2,99	8
14	18	2	3,03	6
15	43	2	3,91	11
16	57	2	6,94	8
17	109	3	9,56	11
18	127	3	10,49	12
19	136	3	12,68	11
20	117	3	9,51	12
21	43	3	6,58	7
22	35	3	6,03	6
23	45	3	6,12	7
24	41	3	6,81	6
25	55			
26	29			
27	35			
28	56	3	7,23	8
29	38	3	6,35	6
30	88	4	8,84	10
31	43	3	6,68	6
32	92	3	8,56	11
33	111	4	11,42	10
34	189			
35	179	4	12,77	14
36	157			
37	241	4	19,18	13
38	212			
39	155	3	13,59	11
40	95			
41	104	4	10,62	10
42	108	4	10,16	11
43	73	3	6,54	11
44	50	3	4,15	12
45	36	2	3,21	11
46	46	2	3,16	14
47	37	2	3,32	11
48	34	2	3,39	10

MPM2009_05				
Depth of head	Em	Pf	PI	Em/PI
	Alluvium			
	Min			
	Max			
	Mean			
	Std Devia			
	Devia			
10	Crag 1	Em	Pf	PI
	Min	13,11	0,53	1,59
	Max	57,30	2,42	6,94
	Mean	26,22	1,39	3,21
	Std Devia	17,24	0,62	1,83
	Devia	65,75	44,80	57,12
17	Crag 2	Em	Pf	PI
	Min	29,28	2,52	6,03
	Max	188,71	3,72	12,77
	Mean	86,31	3,06	8,64
	Std Devia	51,61	0,44	2,36
	Devia	59,80	14,27	27,31
37	Crag 3	Em	Pf	PI
	Min	73,47	3,18	6,54
	Max	240,61	3,80	19,18
	Mean	141,07	3,55	12,02
	Std Devia	63,63	0,29	4,72
	Devia	45,10	8,18	39,29
44	London Clay	Em	Pf	PI
	Min	33,52	1,55	3,16
	Max	49,66	2,74	4,15
	Mean	40,41	1,86	3,45
	Std Devia	6,89	0,51	0,40
	Devia	17,04	27,61	11,68

2009-6	Prof	Em	Pf	PI retenu	Em/ PI
	10	10	0	1,23	8
	11	20	1	2,43	8
	12	20	1	2,25	9
	13	23	2	3,27	7
	14	23	2	3,40	7
	15	44	2	5,83	7
	16	38	3	6,00	6
	17	39	3	6,52	6
	18	38	3	6,12	6
	19	58	3	7,76	7
	20	42	3	7,05	6
	21	68	3	7,31	9
	22	60	3	7,47	8
	23	102	4	10,17	10
	24	99			
	25	99			
	26	90			
	27	79	3	7,75	10
	28	103	3	8,92	12
	29	96	3	8,80	11
	30	100	3	7,62	13
	31	102	3	8,34	12
	32	136	4	12,36	11
	33	206			
	34	291			
	35	311			
	36	235	4	16,03	15
	37	152	4	11,38	13
	38	75	3	9,27	8
	39	103	3	9,76	11
	40	104	3	8,74	12
	41	175			
	42	158			
	43	118	4	10,60	11
	44	55	4	7,39	7
	45	49	3	7,45	7
	46	33	2	2,94	11
	47	33	2	3,14	11
	48	35	2	3,57	10

MPM2009_06		Em	Pf	PI	Em/PI
Depth of head	Alluvium				
	Min				
	Max				
	Mean				
	Std Devia				
Devia					
10	Crag 1	Em	Pf	PI	Em/PI
	Min	10,04	0,42	1,23	6,01
	Max	68,31	3,08	7,76	9,35
	Mean	37,12	2,19	5,13	7,38
	Std Devia	17,45	0,96	2,28	1,10
Devia	47,00	43,89	44,41	14,86	
23	Crag 2	Em	Pf	PI	Em/PI
	Min	79,49	2,60	7,62	10,05
	Max	136,48	3,65	12,36	13,11
	Mean	100,65	3,18	9,14	11,30
	Std Devia	14,46	0,34	1,66	1,08
Devia	14,37	10,81	18,11	9,53	
33	Crag 3	Em	Pf	PI	Em/PI
	Min	48,62	3,14	7,39	6,53
	Max	311,42	3,80	16,03	14,69
	Mean	156,36	3,52	10,08	10,46
	Std Devia	85,16	0,27	2,78	2,91
Devia	54,46	7,75	27,56	27,87	
46	London Clay	Em	Pf	PI	Em/PI
	Min	32,87	1,51	2,94	9,66
	Max	34,54	1,92	3,57	11,17
	Mean	33,48	1,66	3,22	10,45
	Std Devia	0,92	0,23	0,32	0,76
Devia	2,74	13,89	10,03	7,24	

2009-7				Em/ PI
Prof	Em	Pf	PI retenu	
10	4	0	0,64	6
11	21	1	2,24	9
12	15	1	1,79	8
13	16	1	2,04	8
14	20	2	3,32	6
15	30	2	4,24	7
16	31	1	4,03	8
17	31	2	5,08	6
18	52	2	5,50	10
19	60	2	6,52	9
20	91	4	7,70	12
21	53	3	8,30	6
22	94	3	8,87	11
23	109	3	10,45	10
24	46	3	6,90	7
25	37	2	5,28	7
26	57	3	6,95	8
27	57	2	6,79	8
28	36	2	5,67	6
29	35	2	5,36	7
30	59	3	5,56	11
31	97	3	7,38	13
32	99	3	7,41	13
33	67	3	5,51	12
34	63	2	5,49	12
35	79	2	6,15	13
36	107	4	8,02	13
37	44	2	4,92	9
38	55	3	5,09	11
39	171	3	11,97	14
40	53	3	6,88	8
41	181	4	12,56	14
42	41	3	8,02	5
43	53	3	8,59	6
44	19	2	3,79	5
45	45	3	5,15	9
46	17	1	3,08	6
47	34	2	3,94	9
48	25	1	3,94	6

MPM2009_07		Em	Pf	PI	Em/PI
Depth of head	Alluvium				
	Min	3,81	0,29	0,64	5,99
	Max	3,81	0,29	0,64	5,99
	Mean	3,81	0,29	0,64	5,99
	Std Devia				
	Devia				
11	Crag 1	Em	Pf	PI	Em/PI
	Min	14,79	0,82	1,79	6,10
	Max	93,56	3,61	8,87	11,83
	Mean	42,84	1,94	4,97	8,34
	Std Devia	27,46	0,92	2,46	1,81
	Devia	64,11	47,21	49,56	21,69
23	Crag 2	Em	Pf	PI	Em/PI
	Min	34,90	1,69	4,92	5,07
	Max	181,36	3,80	12,56	14,45
	Mean	73,66	2,73	7,19	9,91
	Std Devia	41,12	0,55	2,17	3,04
	Devia	55,82	20,11	30,23	30,63
44	Crag 3	Em	Pf	PI	Em/PI
	Min				
	Max				
	Mean				
	Std Devia				
	Devia				
London Clay	Em	Pf	PI	Em/PI	
	Min	17,39	1,30	3,08	4,98
	Max	44,87	2,67	5,15	8,72
	Mean	27,95	1,79	3,98	6,85
	Std Devia	11,50	0,53	0,75	1,73
	Devia	41,15	29,58	18,74	25,32

MPM2009-8				Em/ PI
39 Prof	Em	Pf	PI retenu	
10	3	0	0,40	7
11	3	0	0,45	6
12	2	0	0,51	5
13	3	0	0,54	6
14	9	0	1,24	7
15	15	1	2,45	6
16	13	1	1,27	10
17	19	1	2,90	6
18	34	1	3,73	9
19	34	2	4,63	7
20	41	2	4,84	8
21	62	2	6,15	10
22	52	2	6,23	8
23	126	4	11,98	11
24	78	4	9,29	8
25	86	3	9,20	9
26	84	3	8,01	11
27	52	3	6,84	8
28	84	3	12,45	7
29	87	3	9,26	9
30	80	3	8,73	9
31	86	3	7,78	11
32	71	3	7,73	9
33	137	3	8,97	15
34	108	3	8,13	13
35	151	3	9,89	15
36	87	4	9,83	9
37	101	4	12,05	8
38	229	4	19,17	12
39	319			
40	278	4	18,12	15
41	110	4	13,69	8
42	236	4	19,65	12
43	132	4	13,85	10
44	223			
45	88	3	10,83	8
46	29	3	4,96	6
47	60	2	4,31	14
48	33	1	3,24	10

MPM2009_08					
Depth of head	Em	Pf	PI	Em/PI	
	Alluvium				
	Min	2,43	0,24	0,40	4,80
	Max	3,22	0,33	0,54	7,37
	Mean	2,85	0,28	0,47	6,09
	Std Devia	0,33	0,04	0,06	1,05
	Devia	11,67	14,72	12,80	17,32
14	Crag 1	Em	Pf	PI	Em/PI
	Min	9,20	0,43	1,24	5,93
	Max	61,94	2,49	6,23	10,29
	Mean	30,88	1,45	3,72	8,15
	Std Devia	18,43	0,74	1,90	1,51
	Devia	59,70	51,04	51,01	18,51
23	Crag 2	Em	Pf	PI	Em/PI
	Min	52,26	2,57	6,84	6,72
	Max	151,01	3,66	12,45	15,32
	Mean	94,56	3,09	9,34	10,20
	Std Devia	26,20	0,39	1,68	2,58
	Devia	27,71	12,64	17,98	25,30
38	Crag 3	Em	Pf	PI	Em/PI
	Min	88,40	3,32	10,83	8,05
	Max	318,62	3,79	19,65	15,34
	Mean	201,78	3,69	15,89	10,84
	Std Devia	82,73	0,18	3,59	2,81
	Devia	41,00	5,00	22,62	25,93
46	London Clay	Em	Pf	PI	Em/PI
	Min	29,16	1,24	3,24	5,88
	Max	59,70	3,26	4,96	13,84
	Mean	40,72	2,03	4,17	10,00
	Std Devia	16,57	1,08	0,87	3,99
	Devia	40,69	53,54	20,89	39,88

MPM2009-09

40 Prof	Em	Pf	PI retenu	Em/ PI
10	38	2	3,93	10
11	45	3	4,64	10
12	47	2	4,16	11
13	41	2	4,17	10
14	47	2	3,90	12
15	50	3	4,95	10
16	34	3	4,61	7
17	86	2	6,37	14
18	58	3	5,44	11
19	82	3	6,02	14
20	71	3	6,26	11
21	77	3	6,78	11
22	98	3	8,18	12
23	134	3	10,06	13
24	153			
25	64	3	7,20	9
26	68	3	6,79	10
27	56	3	6,57	9
28	81	3	7,06	12
29	78	3	7,47	10
30	112			
31	89			
32	74			
33	83			
34	86			
35	90			
36	138			
37	186			
38	198			
39	112			
40	112			
41	125			
42	157	3	12,22	13
43	141	3	10,82	13
44	165	4	12,29	13
45	169	3	11,39	15
46	176	4	14,53	12
47	161	4	9,20	17
48	183	4	11,33	16
51,5	84	3	5,05	

MPM2009_09		Em	Pf	PI	Em/PI
Depth of head	Alluvium				
	Min				
	Max				
	Mean				
	Std Devia				
	Devia				
10	Crag 1	Em	Pf	PI	Em/PI
	Min	33,89	1,58	3,90	7,35
	Max	97,69	2,59	8,18	13,56
	Mean	59,57	2,36	5,34	10,97
	Std Devia	20,65	0,35	1,31	1,67
	Devia	34,66	14,95	24,48	15,25
23	Crag 2	Em	Pf	PI	Em/PI
	Min	56,48	3,11	6,57	8,59
	Max	198,24	4,31	14,53	17,46
	Mean	122,67	3,44	9,76	12,51
	Std Devia	43,22	0,38	2,58	2,66
	Devia	35,23	11,03	26,43	21,29
51,5	Crag 3	Em	Pf	PI	Em/PI
	Min				
	Max				
	Mean				
	Std Devia				
	Devia				
51,5	London Clay	Em	Pf	PI	Em/PI
	Min	83,96	2,76	5,05	
	Max	83,96	2,76	5,05	
	Mean	83,96	2,76	5,05	
	Std Devia				
Devia					

MPM2009-10

39 Prof	Em	Pf	PI retenu	Em/ PI
10	8	0	1,21	7
11	16	1	1,65	10
12	26			
13	19	1	2,89	6
14	67	3	5,51	12
15	81	3	7,99	10
16	76	2	7,47	10
17	103			
18	94			
19	126	4	11,12	11
20	107	4	9,99	11
21	89	4	9,95	9
22	69	3	8,87	8
23	120	4	11,33	11
24	49	4	7,57	7
25	79	4	8,77	9
26	69	3	7,64	9
27	95	3	9,62	10
28	80	3	8,33	10
29	75	4	9,17	8
30	108			
31	138			
32	142			
33	102	3	10,29	10
34	77	3	8,63	9
35	81	4	9,89	8
36	130	3	10,21	13
37	170	3	13,56	13
38	211	4	16,25	13
39	153	3	13,70	11
40	125	3	9,68	13
41	120	4	10,46	12
42	28	2	5,90	5
43	47	2	3,04	15
44	33	1	3,20	10
45	46	2	2,94	16
46	33	2	3,44	10
47	42	2	3,13	13
48	36	2	3,38	11

MPM2009_10		Em	Pf	PI	Em/PI
Depth of head	Alluvium				
	Min				
	Max				
	Mean				
	Std Devia				
	Devia				
10	Crag 1	Em	Pf	PI	Em/PI
	Min	8,02	0,49	1,21	6,47
	Max	81,30	2,99	7,99	12,11
	Mean	41,74	1,67	4,45	9,18
	Std Devia	31,50	1,08	2,95	2,21
	Devia	75,48	65,09	66,34	24,09
17	Crag 2	Em	Pf	PI	Em/PI
	Min	49,25	2,75	7,57	6,51
	Max	169,92	3,72	13,56	12,69
	Mean	100,03	3,34	9,68	9,60
	Std Devia	29,37	0,28	1,51	1,68
	Devia	29,37	8,46	15,56	17,46
38	Crag 3	Em	Pf	PI	Em/PI
	Min	28,23	2,26	5,90	4,79
	Max	210,70	3,76	16,25	12,97
	Mean	127,38	3,15	11,20	10,66
	Std Devia	66,10	0,65	3,96	3,38
	Devia	51,89	20,58	35,37	31,71
43	London Clay	Em	Pf	PI	Em/PI
	Min	32,71	1,50	2,94	9,52
	Max	47,01	1,92	3,44	15,74
	Mean	39,49	1,66	3,19	12,51
	Std Devia	6,46	0,20	0,19	2,73
	Devia	16,37	11,95	6,02	21,79

MPM2009-11

39 Prof	Em	Pf	PI retenu	Em/ PI
10	53	2	4,48	12
11	45	2	3,91	11
12	57	2	4,70	12
13	82	3	5,56	15
14	44	3	4,43	10
15	70	3	5,47	13
16	40	3	6,62	6
17	48	3	6,24	7
18	50	3	6,86	7
19	54	3	7,20	7
20	66	3	5,96	11
21	53	3	5,73	9
22	75	3	6,55	11
23	68	3	7,22	9
24	48	3	6,16	8
25	59	4	7,76	8
26	69	3	7,58	9
27	48	3	6,40	7
28	82	3	6,45	13
29	84	3	6,52	13
30	120			
31	108			
32	128			
33	149	4	11,88	13
34	145	3	10,09	14
35	179	4	19,58	9
36	133	4	11,09	12
37	144	3	9,60	15
38	112	3	9,38	12
39	64	3	9,89	6
40	225			
41	372			
42	292			
43	238			
44	296			
45	141			
46	95	3	6,14	16
47	61	4	5,65	11
48	66	3	5,42	12

MPM2009_11		Em	Pf	PI	Em/PI
Depth of head	Alluvium				
	Min				
	Max				
	Mean				
	Std Devia				
	Devia				
10	Crag 1	Em	Pf	PI	Em/PI
	Min	39,97	1,57	3,91	6,04
	Max	84,03	3,56	7,76	14,70
	Mean	59,66	2,86	6,09	10,00
	Std Devia	13,90	0,52	1,07	2,45
	Devia	23,29	18,14	17,64	24,54
30	Crag 2	Em	Pf	PI	Em/PI
	Min	63,95	3,17	9,38	6,47
	Max	179,45	3,76	19,58	15,00
	Mean	128,13	3,45	11,64	11,63
	Std Devia	30,67	0,25	3,61	2,95
	Devia	23,93	7,31	31,01	25,40
40	Crag 3	Em	Pf	PI	Em/PI
	Min	95,28	2,88	6,14	15,53
	Max	372,17	2,88	6,14	15,53
	Mean	237,13	2,88	6,14	15,53
	Std Devia	95,14			
	Devia	40,12			
47	London Clay	Em	Pf	PI	Em/PI
	Min	61,32	3,50	5,42	10,85
	Max	65,67	3,51	5,65	12,12
	Mean	63,49	3,50	5,53	11,49
	Std Devia	3,07	0,01	0,17	0,90
	Devia	4,84	0,26	3,00	7,84

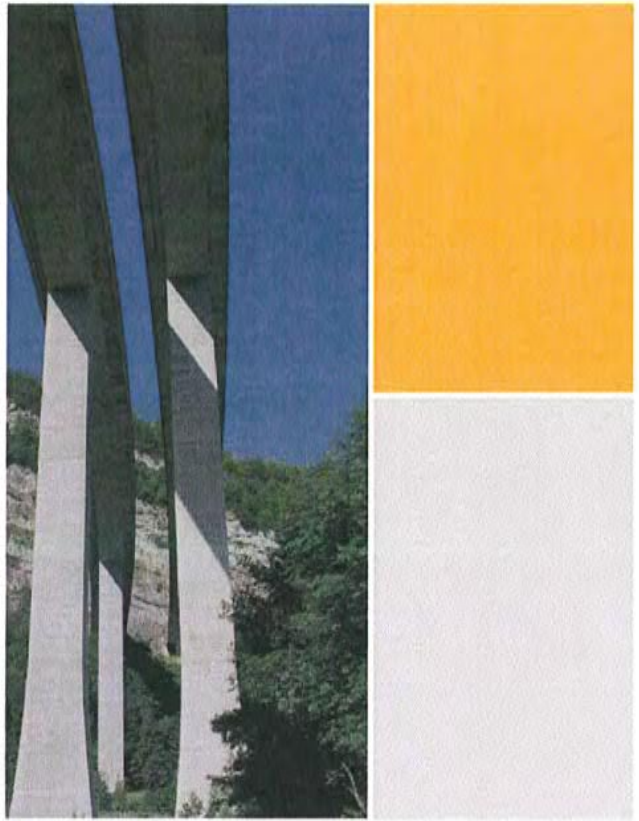
2009-12				Em/ PI
Prof	Em	Pf	PI retenu	
10	31	1	2,40	13
11	20	1	2,30	9
12	22	1	2,23	10
13	33	1	2,71	12
14	29	1	3,08	9
15	17	2	2,89	6
16	32	2	2,98	11
17	63	2	5,54	11
18	78	3	6,75	12
19	63	3	7,59	8
20	59	3	7,40	8
21	53	2	6,30	8
22	93	4	9,94	9
23	75	3	9,84	8
24	97	3	9,20	11
25	38	2	3,77	10
26	95	4	10,69	9
27	104	4	11,44	9
28	107	4	10,98	10
29	111	4	9,45	12
30	110	4	8,32	13
31	85	4	9,25	9
32	86	4	10,11	9
33	84	4	9,20	9
34	91	4	8,55	11
35	53	3	7,52	7
36	86	4	10,30	8
37	94			
38	77			
39	41			
40	93			
41	51	3	6,12	8
42	65	3	5,01	13
43	46	2	4,47	10
44	35	2	3,85	9
45	85	3	7,51	11
46	53	3	6,18	9
47	61	3	6,40	10
48	165,619	3,881	10,385	

MPM2009_12					
Depth of head	Em	Pf	PI	Em/PI	
	Alluvium				
	Min				
	Max				
	Mean				
	Std Devia				
	Devia				
10	Crag 1	Em	Pf	PI	Em/PI
	Min	16,62	0,80	2,23	5,74
	Max	97,50	3,60	10,69	12,81
	Mean	52,87	2,16	5,62	9,64
	Std Devia	27,61	0,97	3,06	1,84
	Devia	52,23	44,75	54,33	19,09
27	Crag 2	Em	Pf	PI	Em/PI
	Min	41,35	2,60	5,01	7,00
	Max	110,91	3,76	11,44	13,27
	Mean	83,70	3,45	8,85	9,84
	Std Devia	21,43	0,42	1,91	1,94
	Devia	25,61	12,13	21,52	19,75
43	Crag 3	Em	Pf	PI	Em/PI
	Min				
	Max				
	Mean				
	Std Devia				
	Devia				
	London Clay	Em	Pf	PI	Em/PI
	Min	35,21	1,86	3,85	8,60
	Max	84,87	3,28	7,51	11,30
	Mean	58,03	2,60	5,68	9,77
	Std Devia	18,78	0,56	1,49	1,04
	Devia	33,51	21,38	26,27	10,67

A6. Statistical analysis of Drilling parameters per borehole

SOCC	DBH4	DBH5	DBH6	DBH7	DBH11	DBH11	DBH11	DBH13	DBH14	DBH15
0	MIN	0	0	0	0	0	0	0	0	0
4,32	MAX	272	151	7,74	4,72	4,72	4,72	5,16	4,98	6,11
	MOY	140	73	116	116	116	116	88	71	71
4,32	SD	66	26	50	50	50	50	34	23	23
10,44	D (%)	47	35	43	43	43	43	39	32	32
	MIN	0	2	7	7	7	7	2	1	1
10,44	MAX	191	226	203	10,62	10,62	10,62	288	98	98
20,86	MOY	124	157	75	10,62	10,62	10,62	139	45	45
	SD	34	47	38	15	15	15	47	17	17
	D (%)	27	30	50	34	34	34	34	37	37
10,44	MIN	0	0	4	10,62	10,62	10,62	0	0	0
20,86	MAX	130	211	201	20,72	20,72	20,72	188	138	138
	MOY	61	65	53	20,72	20,72	20,72	55	55	55
	SD	15	19	19	19	19	19	19	15	15
	D (%)	25	28	35	27	27	27	35	28	28
EMCI	DBH3	DBH8	DBH9	DBH10	DBH12	DBH12	DBH12	DBH13	DBH14	DBH15
0	MIN	0	0	0	0	0	0	0	0	0
2,08	MAX	202	242	9,14	10,4	10,4	10,4	242	4,98	6,11
2,08	MOY	52	42	51	51	51	51	36	71	71
11,3	SD	20	39	21	21	21	21	30	23	23
	D (%)	40	94	42	42	42	42	83	32	32
11,3	MIN	0	0	0	0	0	0	0	0	0
11,3	MAX	136	130	124	102	102	102	102	138	138
35,01	MOY	50	32	34	33,9	33,9	33,9	30	44	44
	SD	17	18	15	12	12	12	12	44	44
	D (%)	33	55	45	42	42	42	42	28	28
	MIN	0	0	0	0	0	0	0	0	0
	MAX	93	80	184	74	74	74	74	138	138
	MOY	26	28	38	29	29	29	29	55	55
	SD	9	8	25	8	8	8	8	15	15
	D (%)	25	28	66	27	27	27	35	28	28

MPM#1	ESG#	MPM#1	MPM#2	MPM#3	MPM#4	MPM#5	MPM#6	MPM#7	MPM#8	MPM#9	MPM#10	MPM#11	MPM#12	MPM#13
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
10,52	3,08	8,94	8,94	9,96	8,94	9,96	9,96	23,38	23,38	9,96	9,96	9,96	9,96	13,32
10,52	3,08	8,94	8,94	9,96	8,94	9,96	23,38	23,38	9,96	9,96	9,96	9,96	9,96	13,32
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
10,52	3,08	8,94	8,94	9,96	8,94	9,96	23,38	23,38	9,96	9,96	9,96	9,96	9,96	13,32
23,19	13,1	20,98	20,98	23,38	20,98	23,38	23,38	23,38	23,38	23,38	23,38	23,38	23,38	23,38
23,19	13,1	20,98	20,98	23,38	20,98	23,38	23,38	23,38	23,38	23,38	23,38	23,38	23,38	23,38
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
23,19	13,1	20,98	20,98	23,38	20,98	23,38	23,38	23,38	23,38	23,38	23,38	23,38	23,38	23,38
35,64	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25
35,64	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
35,64	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25	31,25
46,01	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7
46,01	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
46,01	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7
50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
MPM#2	3000	MPM#3	MPM#4	MPM#5	MPM#6	MPM#7	MPM#8	MPM#9	MPM#10	MPM#11	MPM#12	MPM#13	MPM#14	MPM#15
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
8,94	12,46	9,94	24,17	21,17	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86
8,94	12,46	9,94	24,17	21,17	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
8,94	12,46	9,94	24,17	21,17	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86
34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86
34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86	34,86
42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78
42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78	42,78
50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
50	50	50	50	50	50	50	50	50	50	50	50	50	50	50





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**PRELIMINARY ONSHORE
INVESTIGATIONS FOR
SIZEWELL 'C' POWER STATION**
Menard Pressuremeter Tests
Recording of Drilling Parameters
Piezometer Installation at
Sizewell, Leiston (IP16 4UR)
DRAFT FACTUAL REPORT.

ML.10-119 – Doc. n° 002 - Draft

Revision Sheet

FTQ261-A

Rev.	Date	Nb pages	Modifications	Written by		Checked by
				Nom, V		Nom, Visa
Draft	27/01/2010			A.ANDREI		M.FLEURY
A						
B						
C						

PAGE		REV	A	B	C	PAGE		REV	A	B	C
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I. Introduction

At the request of **EDF ENERGY** and **SOIL MECHANICS**, we carried out a ground investigation from 14th July to 16th December 2010. The investigation works are located to the north of Sizewell 'B' Power Station, Sizewell Gap, Sizewell, near Leiston, Ipswich IP16 4UR.

FONDASOL is to provide information on the geology as well as the interpretation of the ground response curves obtained from the Ménard Pressuremeter tests. Destructive boreholes were also carried out for the installation of piezometer equipments. Recording of the drilling parameters (including penetration rate, bit revolution, bit load, torque, flushing medium pressure, rate of water supply) was provided for all Ménard PressureMeter (MPM) and destructive (DBH) boreholes.

Consequently, we carried out the following ground investigation programme as agreed with Mrs. Valérie Sellier (EDF CEIDRE) and Mr. James Huntington (SOIL MECHANICS), under the supervision of the Site Manager Mr. Ben Swallow (SOIL MECHANICS) and in accordance to EDF's "Zero Harm" policy :

- **3 N° MPM geological boreholes** (noted MPM2009_01, MPM2009_02 and MPM2009_13) were advanced down to a depth of **100.0 m** below ground level (bgl.). Ménard Pressuremeter tests were carried out at intervals of 1.0 m from a depth of 10.0 m bgl.
- **10 N° MPM geological boreholes** (noted MPM2009_03 to MPM2009_12) were advanced down to a depth of between **49.0m to 52.0m** bgl. in order to encounter the top of the London Clay. Ménard Pressuremeter tests were carried out at intervals of 1.0 m from a depth of 10.0 m bgl.
- **13 N° DBH destructive boreholes** (noted DBH2009_03 to DBH2009_15) were advanced down to a depth of between **20.0 m to 35.0 m** bgl.

Our mission follows the acceptance of our quotation n°01.11.09 dated 27th November 2009 and the receipt of Soil Mechanics Purchase Order dated 05th March 2010 and referenced N° 120527.

Results of the 660 N° Ménard Pressuremeter tests are enclosed in Appendix A1 (Appendix A1, Summary of pressuremeter results) and in Appendix A2 (Appendix A2, Interpreted ground response curves) of this report n°002.

We remain at the disposal of EDF Energy and Soil Mechanics for any complementary information you may need.

written by: **A.ANDREI**

checked by: **M. FLEURY**

Appendices



AI. Summary of pressuremeter results

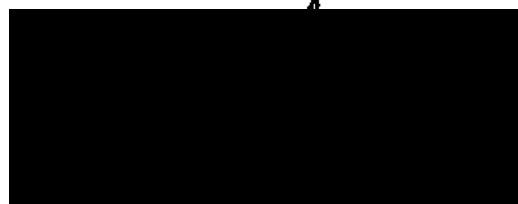
Calcul du module pressiométrique

W-Pressio ver. 1.1

Dénomination: SOIL MECHANICS - SIZENWEL C

N° d'affaire: ML.100119

Fichier : P5-p13



Sondage : MPX2009-01

Sonde	Côte NGF (m)	Prof. (m)	E_k (MPa)	Pf (MPa)	Pi (MPa)	Po (MPa)	Pi-Po (MPa)	Pmax (MPa)	Pi (i) (MPa)	Pi (h) (MPa)	E_k Pi(i)-Po	E_k Pi(h)-Po
S		10.00	1.8	0.27	0.42	0.127	0.29	0.41	0.42	0.42	6.3	6.3
S		11.00	12.9	0.68	1.97	0.141	1.83	1.23	1.97	1.87	7.1	7.5
S		12.00	14.5	0.72	2.06	0.155	1.90	1.45	2.06	1.88	7.6	8.4
S		13.00	22.1	0.95	2.61	0.168	2.45	1.88	2.61	2.33	9.1	10.2
S		14.00	28.7	1.13	3.25	0.182	3.06	2.07	3.25	2.69	9.4	11.5
S		15.00	28.2	1.19	2.89	0.196	2.69	2.30	2.89	2.59	10.5	11.8
S		16.00	27.7	1.36	3.71	0.210	3.50	2.50	3.71	3.42	7.9	8.6
S		17.00	27.4	1.36	3.59	0.223	3.36	2.49	3.59	3.23	8.2	9.1
S		18.00	26.5	1.19	2.87	0.237	2.63	2.29	2.87	2.56	10.1	11.4
S		19.00	98.5	2.44	9.18	0.251	8.93	4.98	9.18	7.64	11.0	13.3
S		20.00	71.7	2.15	6.73	0.265	6.47	5.06	6.73	6.71	11.1	11.1
S		21.00	70.8	3.60	8.65	0.278	8.37	5.06	8.65	6.33	8.5	11.7
S		22.00	73.1	3.59	8.60	0.292	8.31	5.05	8.60	7.46	8.8	10.2
S		23.00	106.0	3.06	9.53	0.306	9.23	5.04	9.53	6.70	11.5	16.6
S		25.00	34.4	> 1.56	> 1.56	0.333	> 1.23	1.56				
S		26.00	222.9	3.70	18.74	0.347	18.40	4.89	18.74	6.32	12.1	37.3
S		27.00	158.9	3.62	11.28	0.361	10.92	5.10	11.28	7.37	14.5	22.7
S		28.00	86.8	3.12	8.60	0.374	8.23	5.08	8.60	7.35	10.5	12.4
S		29.00	66.5	2.66	6.87	0.388	6.48	5.09	6.87	6.14	10.3	11.6
S		30.00	110.7	3.65	15.31	0.402	14.91	5.14	15.31	5.86	7.4	20.3
S		31.00	131.7	3.17	10.17	0.416	9.75	5.15	10.17	7.07	13.5	19.8
S		32.00	122.8	3.70	10.37	0.429	9.94	5.18	10.37	6.57	12.3	20.0
S		33.00	119.1	3.72	9.13	0.443	8.69	5.20	9.13	6.69	13.7	19.1
S		34.00	176.1	3.71	13.98	0.457	13.52	5.19	13.98	8.85	13.0	21.0
S		35.00	128.7	3.77	10.10	0.471	9.63	5.25	10.10	9.96	13.4	13.6
S		36.00	231.8	3.72	15.64	0.484	15.16	5.21	15.64	8.14	15.3	30.3
S		37.00	162.6	3.74	11.69	0.498	11.19	5.22	11.69	6.80	14.5	25.8
S		38.00	216.2	3.75	15.90	0.512	15.38	5.23	15.90	6.80	14.1	34.4

Sondage : MPM2009-G1

Sonde	Cote NGP (m)	Prof. (m)	Rz (MPa)	Pz (MPa)	P1 (MPa)	Po (MPa)	P1-Po (MPa)	Pmax (MPa)	P1 (i) (MPa)	P1 (h) (MPa)	Ez		E1	
											P1(i) Po	P1(h) Po	P1(i) Po	P1(h) Po
S		39.00	178.4	3.75	12.60	0.526	12.08	5.23	12.60	7.73	14.8	24.7		
S		40.00	150.4	3.78	10.39	0.539	9.85	5.26	10.39	6.56	15.3	25.0		
S		41.00	152.7	3.78	10.69	0.553	10.14	5.26	10.69	7.48	15.1	22.1		
S		42.00	57.7	3.28	7.41	0.567	6.84	5.23	7.41	7.12	8.4	8.8		
S		43.00	138.5	> 5.24	> 5.24	0.581	> 4.66	5.24						
S		44.00	55.9	2.82	6.78	0.594	6.18	5.25	6.78	6.49	9.0	9.5		
S		45.00	38.8	1.67	3.04	0.608	2.43	2.97	3.04	3.00	16.0	16.2		
S		46.00	19.2	1.38	3.05	0.622	2.43	3.01	3.05	3.11	7.9	7.7		
S		47.00	48.6	2.21	3.23	0.635	2.60	3.23	3.23	3.22	18.7	18.8		
S		48.00	31.3	1.79	3.05	0.649	2.40	3.02	3.05	3.03	13.0	13.1		
S		49.00	20.8	2.17	3.31	0.663	2.64	3.18	3.31	3.24	7.9	8.0		
S		50.00	29.4	2.19	3.18	0.677	2.51	3.15	3.18	3.15	11.7	11.9		
S		51.00	70.4	2.57	4.94	0.690	4.25	4.09	4.94	4.36	16.6	19.2		
S		52.00	51.5	2.74	3.78	0.704	3.07	3.46	3.78	3.49	16.8	18.5		
S		53.00	30.4	1.80	3.28	0.718	2.56	3.06	3.28	3.15	11.9	12.5		
S		54.00	19.1	1.80	2.76	0.732	2.03	2.68	2.76	2.70	9.4	9.7		
S		55.00	14.2	2.02	3.04	0.745	2.29	2.90	3.04	3.01	6.2	6.2		
S		56.00	224.3	> 5.28	> 5.28	0.759	> 4.53	5.28						
S		57.00	533.4	> 5.51	> 5.51	0.773	> 4.74	5.51						
S		58.00	532.5	> 5.47	> 5.47	0.787	> 4.68	5.47						
S		59.00	137.7	> 5.38	> 5.38	0.800	> 4.58	5.38						
S		60.00	136.0	> 5.38	> 5.38	0.814	> 4.56	5.38						
S		61.00	120.1	> 5.36	> 5.36	0.828	> 4.53	5.36						
S		62.00	102.2	> 5.35	> 5.35	0.841	> 4.51	5.35						
S		63.00	114.6	3.88	11.84	0.855	10.99	5.35	11.84	8.83	10.4	14.4		
S		64.00	115.3	3.88	11.80	0.869	10.63	5.35	11.50	7.79	10.8	16.7		
S		65.00	56.1	2.63	3.94	0.883	3.06	3.67	3.94	3.75	18.4	19.5		
S		66.00	31.0	2.06	3.03	0.896	2.13	2.87	3.03	2.91	14.5	15.4		
S		67.00	43.1	1.88	2.76	0.910	1.85	2.52	2.76	2.55	23.3	26.3		
S		68.00	37.3	1.72	2.41	0.924	1.48	2.30	2.41	2.32	25.2	26.8		
S		69.00	51.7	2.70	4.39	0.938	3.45	4.10	4.39	4.18	15.8	16.8		
S		70.00	53.6	2.31	3.61	0.951	2.66	3.33	3.61	3.38	20.2	22.1		
S		71.00	120.7	3.54	4.78	0.965	3.82	4.54	4.78	4.56	31.6	33.6		

Sondage : MPY2009-01

Sonde	Côte NGF (m)	Prof. (m)	E _r (MPa)	PF (XPa)	Pl (MPa)	Po (XPa)	Pl-Po (XPa)	P _{max} (MPa)	Pl (i) (XPa)	Pl (h) (MPa)	E _v Pl (i) - Po	E _v Pl (h) - Po
S		72.00	206.0	4.03	8.62	0.979	7.64	5.48	8.62	6.12	27.2	40.5
S		73.00	222.1	4.13	10.35	0.993	9.36	5.60	10.35	7.93	23.7	32.0
S		74.00	123.1	> 5.50	> 5.50	1.006	> 4.49	5.50				
S		75.00	159.5	3.53	10.82	1.020	9.60	5.48	10.62	7.54	16.6	24.5
S		76.00	147.3	> 5.49	> 5.49	1.034	> 4.46	5.49				
S		77.00	133.9	4.05	9.60	1.047	8.56	5.51	9.60	6.56	15.7	24.3
S		78.00	147.4	> 5.57	> 5.57	1.061	> 4.51	5.57				
S		79.00	105.4	4.13	9.39	1.075	8.32	5.59	9.39	8.39	12.7	14.4
S		80.00	109.9	4.12	10.66	1.089	9.57	5.58	10.66	8.82	11.5	14.2
S		81.00	156.4	4.13	12.06	1.102	10.96	5.60	12.06	7.94	14.3	22.9
S		82.00	81.1	4.09	7.55	1.116	6.44	5.52	7.55	6.38	12.6	15.4
S		83.00	107.9	4.08	7.04	1.130	5.91	5.50	7.04	5.86	18.3	22.8
S		84.00	94.8	4.08	5.99	1.144	4.84	5.45	5.99	5.58	19.6	21.4
S		85.00	190.5	> 5.62	> 5.62	1.157	> 4.46	5.62				
S		86.00	153.4	4.16	12.43	1.171	11.26	5.63	12.43	9.71	13.6	18.0
S		87.00	153.5	> 5.63	> 5.63	1.185	> 4.45	5.63				
S		88.00	205.7	> 5.68	> 5.68	1.199	> 4.48	5.68				
S		89.00	123.2	4.16	9.20	1.212	7.99	5.61	9.20	6.72	15.4	22.4
S		90.00	131.1	4.20	10.20	1.226	8.98	5.66	10.20	5.83	14.6	28.5
S		91.00	200.5	> 5.68	> 5.68	1.240	> 4.44	5.68				
S		92.00	172.8	3.66	9.09	1.253	7.84	5.60	9.09	5.95	22.0	36.8
S		93.00	201.0	4.12	16.42	1.267	15.15	5.60	16.42	7.06	13.3	34.7
S		94.00	214.2	4.17	13.64	1.281	12.35	5.64	13.64	6.34	17.3	42.3
S		95.00	172.4	> 3.16	> 3.16	1.295	> 1.87	3.16				
TF		96.00	464.4	4.17	> 5.65	1.308	> 4.34	5.65	14.17	5.89	36.1	101.5
TF		97.00	325.0	4.20	10.07	1.322	8.74	5.66	10.07	5.81	37.2	72.4
TF		98.00	296.1	4.20	17.18	1.336	15.85	5.68	17.18	6.60	18.7	56.2
TF		99.00	134.1	4.21	9.64	1.350	8.29	5.67	9.64	6.03	16.2	28.7

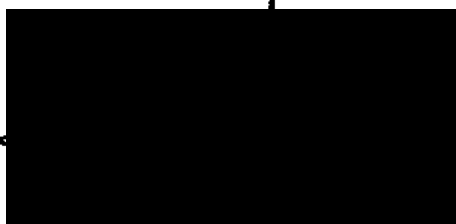
Calcul du module pressiométrique

W-Pressio ver. 1.1

Dénomination: SOLL MECHANICS - SIZEWELL C

N° d'affaire: ML.100119

Fichier : P6



Sondage : MPM2009-02

Sonde	Côte NGF (m)	Prof. (m)	E _x (MPa)	P _f (MPa)	P _i (MPa)	P _o (MPa)	P _i -P _o (MPa)	P _{max} (MPa)	P _i (i) (MPa)	P _i (h) (MPa)	E _z	
											P _i (i)-P _o	P _i (h)-P _o
S		10.00	9.2	0.65	1.77	0.088	1.68	0.92	1.77	1.49	5.5	6.5
S		11.00	7.9	0.65	1.39	0.097	1.30	1.16	1.39	1.39	6.1	6.1
S		12.00	25.0	1.91	3.92	0.106	3.81	3.74	3.92	3.84	6.5	6.7
S		13.00	18.1	1.18	3.11	0.115	2.99	1.75	3.11	2.84	5.0	5.5
S		14.00	29.9	1.09	3.53	0.124	3.41	2.97	3.53	3.32	8.8	9.4
S		15.00	22.9	0.93	3.13	0.132	3.00	2.78	3.13	3.11	7.6	7.7
S		16.00	27.9	1.51	4.17	0.141	4.03	3.77	4.17	4.11	6.9	7.0
S		17.00	47.0	1.91	6.04	0.150	5.89	4.81	6.04	5.78	8.0	8.3
S		18.00	46.8	3.34	7.86	0.159	7.70	4.80	7.86	7.25	6.1	6.6
S		19.00	82.7	3.43	10.36	0.168	10.19	4.88	10.36	8.28	8.1	10.2
S		20.00	99.1	2.44	9.80	0.177	9.62	4.90	9.80	6.38	10.3	16.0
S		21.00	37.9	2.89	6.81	0.185	6.62	4.83	6.81	6.60	5.7	5.9
S		22.00	96.2	2.56	9.66	0.194	9.47	5.00	9.66	9.35	10.2	10.5
S		23.00	104.7	2.98	10.82	0.203	10.61	4.94	10.82	7.78	9.9	13.8
S		24.00	51.5	3.43	9.47	0.212	9.26	4.90	9.47	10.09	5.6	5.2
S		25.00	43.8	2.10	5.42	0.221	5.20	4.93	5.42	5.37	8.4	8.5
TF		26.00	67.6	3.02	7.05	0.230	6.82	4.94	7.05	6.32	9.9	11.1
TF		27.00	43.6	3.46	6.51	0.238	6.28	4.90	6.51	6.32	6.9	7.2
TF		28.00	30.1	2.47	5.67	0.247	5.42	3.90	5.67	5.89	5.6	5.3
TF		29.00	48.7	2.75	7.94	0.256	7.68	3.92	7.94	7.66	6.3	6.6
TF		30.00	154.8	> 4.83	> 4.83	0.265	> 4.56	4.83				
TF		31.00	251.3	> 5.08	> 5.08	0.274	> 4.81	5.08				
TF		32.00	225.5	> 5.09	> 5.09	0.283	> 4.81	5.09				
TF		33.00	332.9	> 5.14	> 5.14	0.291	> 4.84	5.14				
TF		34.00	131.5	3.63	10.81	0.300	10.51	5.10	10.81	8.75	12.5	15.6
TF		35.00	92.8	2.64	9.16	0.309	8.86	5.08	9.16	9.45	10.5	10.2
TF		36.00	82.2	3.61	10.02	0.318	9.70	5.08	10.02	10.01	8.5	8.5
TF		37.00	218.6	3.22	10.19	0.327	9.87	5.18	10.19	6.93	22.2	33.1

Sondage : MPM2009-02

Sonde	Côte NGV (m)	Prof. (m)	Σv (MPa)	PC (MPa)	P1 (MPa)	Po (MPa)	P1-Po (MPa)	Pmax (MPa)	P1 (i) (MPa)	P1 (h) (MPa)	$\frac{E_R}{P1(i)-Po}$	$\frac{E_v}{P1(h)-Po}$
TF		38.00	330.8	> 5.19	> 5.19	0.336	> 4.85	5.19				
TF		39.00	297.2	> 5.18	> 5.18	0.344	> 4.84	5.18				
TF		40.00	225.8	3.19	15.28	0.353	14.93	5.17	15.28	8.86	15.1	26.6
TF		41.00	127.2	3.20	11.92	0.362	11.56	5.17	11.92	12.98	11.0	18.1
TF		42.00	102.4	3.69	10.87	0.371	10.50	5.17	10.87	10.18	9.8	10.4
TF		43.00	59.2	2.26	4.26	0.380	3.88	4.05	4.26	4.12	15.3	15.8
TF		44.00	32.3	2.60	3.95	0.388	3.56	3.64	3.95	3.75	9.1	9.6
TF		45.00	34.6	2.22	3.59	0.397	3.20	3.25	3.59	3.39	10.8	12.6
TF		46.00	34.8	2.31	3.66	0.406	3.25	3.65	3.66	3.64	10.7	10.8
S		47.00	35.8	2.81	3.23	0.415	2.81	2.89	3.23	3.01	12.7	13.8
S		48.00	60.8	3.40	4.84	0.424	4.41	4.48	4.84	4.55	13.8	14.7
S		49.00	41.4	2.79	4.27	0.433	3.74	3.90	4.27	4.03	11.1	12.5
S		50.00	36.7	2.82	4.18	0.441	3.74	3.91	4.18	3.99	9.8	10.3
S		51.00	21.9	1.37	2.01	0.450	1.56	1.71	2.01	1.77	14.0	16.5
S		52.00	41.9	2.19	3.44	0.459	2.98	3.27	3.44	3.32	14.1	14.7
S		53.00	57.9	1.83	3.73	0.468	3.27	2.98	3.73	3.16	17.7	21.5
S		54.00	45.0	1.84	3.92	0.477	3.44	3.00	3.92	3.29	13.1	16.0
S		55.00	19.0	> 1.80	> 1.80	0.486	> 1.32	1.80				
S		56.50	65.8	3.86	7.42	0.499	6.92	5.43	7.42	6.23	9.5	12.5
TF		57.00	474.2	> 5.28	> 5.28	0.503	> 4.78	5.28				
TF		58.00	86.7	3.95	8.42	0.512	7.91	5.41	8.42	8.50	11.2	12.1
TF		59.00	135.1	3.94	9.68	0.521	9.16	5.41	9.68	7.97	14.8	18.1
TF		60.00	66.9	2.91	7.41	0.530	6.88	5.33	7.41	6.98	9.7	10.4
TF		61.00	34.9	2.46	3.82	0.539	3.28	3.79	3.82	3.74	10.6	10.9
TF		62.00	47.4	2.10	3.43	0.547	2.88	3.46	3.43	3.45	16.4	16.3
TF		63.00	42.2	2.50	3.47	0.556	2.92	3.49	3.47	3.48	14.5	14.4
TF		64.00	20.2	2.21	3.99	0.565	3.43	3.13	3.99	3.90	5.9	6.1
TF		65.00	10.9	0.71	1.19	0.574	0.61	1.27	1.19	1.24	17.7	16.2
TF		66.00	53.0	3.88	7.27	0.583	6.69	5.42	7.27	7.26	7.9	7.9
TF		67.00	64.4	3.52	6.89	0.592	6.30	5.44	6.89	6.56	10.2	10.8
TF		68.00	50.4	3.96	7.71	0.600	7.11	5.41	7.71	7.02	7.1	7.9
TF		69.00	80.9	> 5.39	> 5.39	0.609	> 4.78	5.39				
TF		70.00	63.5	> 5.43	> 5.43	0.618	> 4.81	5.43				

Sondage : MPM2009-02

Sonde	Côte NCF (m)	Prof. (m)	Em (MPa)	Pz (MPa)	Pl (MPa)	Po (MPa)	Pl-Po (MPa)	Pmax (MPa)	Pl (i) (MPa)	Pl (h) (MPa)	Em	
											Pl (i)-Po	Pl (h)-Po
TF		71.00	75.5	> 5.47	> 5.47	0.627	> 4.85	5.47				
TF		72.00	97.1	> 5.51	> 5.51	0.636	> 4.88	5.51				
TF		73.00	107.4	> 5.54	> 5.54	0.645	> 4.89	5.54				
TF		74.00	145.8	4.00	8.56	0.653	7.91	5.45	8.56	6.19	18.4	26.3
TF		75.00	83.8	3.50	6.28	0.662	5.61	4.92	6.28	5.53	14.9	17.2
TF		76.00	162.0	3.51	8.94	0.671	8.27	4.98	8.94	5.58	19.6	33.0
TF		77.00	83.8	4.04	7.88	0.680	7.20	5.49	7.88	6.32	11.6	14.9
TF		78.00	106.6	4.06	10.05	0.689	9.37	5.53	10.05	6.86	11.4	17.3
TF		79.00	163.6	4.07	14.07	0.697	13.38	5.55	14.07	8.27	12.2	21.6
TF		80.00	443.1	> 5.63	> 5.63	0.706	> 4.93	5.63				
TF		81.00	362.6	4.15	11.81	0.715	11.10	5.63	11.81	6.27	32.7	65.3
TF		82.00	180.1	4.19	10.49	0.724	9.68	5.57	10.40	6.99	18.6	28.7
TF		83.00	311.7	> 5.65	> 5.65	0.733	> 4.91	5.65				
TF		84.00	141.0	3.61	10.98	0.742	10.24	5.58	10.98	7.23	13.8	21.7
TF		85.00	118.9	3.64	9.05	0.750	8.30	5.59	9.05	6.87	14.3	19.4
TF		86.00	145.6	4.13	9.40	0.759	8.64	5.59	9.40	6.18	16.8	26.9
TF		87.00	87.1	4.18	8.37	0.768	7.60	5.64	8.37	7.71	11.5	12.5
TF		88.00	139.2	4.12	13.49	0.777	12.71	5.60	13.49	7.53	11.0	20.6
TF		89.00	68.8	3.10	8.58	0.786	7.80	4.56	8.58	6.47	8.8	12.1
TF		90.00	149.0	4.14	12.12	0.795	11.33	5.62	12.12	9.25	13.2	17.6
TF		91.00	267.1	> 5.61	> 5.61	0.803	> 4.81	5.61				
TF		92.00	97.4	4.15	8.93	0.812	8.12	5.61	8.93	7.19	12.0	15.3
TF		93.00	75.7	2.69	7.89	0.821	7.07	5.12	7.89	6.78	10.7	12.7
TF		94.00	195.8	3.70	11.17	0.830	10.34	5.67	11.17	6.54	18.9	34.3
TF		95.00	116.2	4.20	9.43	0.839	8.59	5.67	9.43	7.32	13.5	17.9
TF		96.00	97.2	4.21	7.13	0.848	6.28	5.64	7.13	6.22	15.5	18.1
TF		97.00	196.3	4.23	13.33	0.856	12.47	5.71	13.33	6.82	15.7	32.9
TF		98.00	177.9	3.74	10.31	0.865	9.45	5.70	10.31	7.03	18.8	28.8
TF		99.00	137.1	4.24	8.33	0.874	7.46	5.69	8.33	6.27	18.4	25.4

Calcul du module pressiométrique

W-Pressio ver. 1.1

Dénomination: SIZEWELL B - GROUND INVESTIGATION

N° d'affaire: ML.100119

Fichier : P9

Sondage : MPM 2009-03

Sonde	Côte NGF (m)	Prof. (m)	E _M (MPa)	P _f (MPa)	P _l (MPa)	P _o (MPa)	P _l -P _o (MPa)	P _{max} (MPa)	P _l (i) (MPa)	P _l (h) (MPa)	E _M	
											P _l (i)-P _o	P _l (h)-P _o
S		10.00	16.5	0.87	2.41	0.123	2.29	1.43	2.41	2.10	7.2	8.3
S		11.00	12.8	0.53	1.56	0.137	1.42	1.23	1.56	1.43	9.0	9.9
S		12.00	17.8	0.82	2.15	0.151	2.00	1.86	2.15	2.06	8.9	9.3
S		13.00	20.7	0.99	2.72	0.165	2.55	2.26	2.72	2.64	8.1	8.4
S		14.00	19.4	1.01	2.60	0.178	2.42	2.26	2.60	2.58	8.0	8.1
S		15.00	26.0	1.17	2.67	0.192	2.47	2.25	2.67	2.37	10.5	11.9
S		16.00	19.1	1.17	2.93	0.206	2.72	2.28	2.93	2.88	7.0	7.2
S		17.00	30.5	1.24	3.80	0.219	3.58	3.48	3.80	3.69	8.5	8.8
S		18.00	32.9	1.61	3.42	0.233	3.19	2.72	3.42	3.08	10.3	11.6
S		19.00	42.5	2.39	5.63	0.247	5.38	4.68	5.63	5.29	7.9	8.4
S		20.00	40.7	2.58	5.55	0.261	5.29	4.94	5.55	5.48	7.7	7.8
S		21.00	67.6	3.08	6.55	0.274	6.28	4.99	6.55	5.80	10.8	12.2
S		22.00	129.9	> 5.09	> 5.09	0.288	> 4.80	5.09				
S		23.00	75.8	> 5.08	> 5.08	0.302	> 4.78	5.08				
S		24.00	92.3	2.66	7.27	0.316	6.96	5.07	7.27	5.78	13.3	16.9
S		25.00	61.6	2.54	7.38	0.329	7.05	4.97	7.38	6.10	8.7	10.7
S		26.00	79.7	2.60	8.08	0.343	7.73	5.03	8.08	6.89	10.3	12.2
S		27.00	56.8	2.67	6.52	0.357	6.17	5.06	6.52	6.26	9.2	9.6

Sondage : MPM 2009-03

Sonde	Cote NGF (m)	Prof. (m)	E _N (MPa)	Pf (MPa)	Pl (MPa)	Po (MPa)	Pl-Po (MPa)	Pmax (MPa)	Pl(i) (MPa)	Pl(h) (MPa)	E _N	
											Pl(i)-Po	Pl(h)-Po
S		28.00	59.6	2.61	6.97	0.371	6.60	5.03	6.97	6.36	9.0	10.6
S		29.00	104.5	2.65	8.57	0.384	8.19	5.08	8.57	6.34	12.8	17.5
S		30.00	88.4	2.65	8.72	0.398	8.32	5.09	8.72	7.10	10.6	13.2
S		31.00	96.6	3.15	9.01	0.412	8.60	5.10	9.01	7.45	11.2	13.7
S		32.00	85.8	3.64	8.19	0.426	7.77	5.09	8.19	6.58	11.0	13.9
S		33.00	117.1	> 5.15	> 5.15	0.439	> 4.71	5.15				
S		34.00	182.9	> 4.97	> 4.97	0.453	> 4.52	4.97				
S		35.00	227.0	> 5.19	> 5.19	0.467	> 4.72	5.19				
S		36.00	170.3	> 5.17	> 5.17	0.480	> 4.68	5.17				
S		37.00	102.5	> 5.19	> 5.19	0.494	> 4.69	5.19				
S		38.00	159.9	> 5.20	> 5.20	0.508	> 4.69	5.20				
S		39.00	195.8	> 5.25	> 5.25	0.522	> 4.73	5.25				
S		40.00	63.2	> 5.19	> 5.19	0.535	> 4.65	5.19				
S		41.00	74.6	> 5.23	> 5.23	0.549	> 4.69	5.23				
S		42.00	79.7	2.32	7.10	0.563	6.54	5.22	7.10	6.42	12.2	13.6
S		43.00	16.4	1.60	4.21	0.577	3.63	2.93	4.21	4.98	4.5	3.7
S		44.00	22.9	1.30	4.34	0.590	3.75	3.74	4.34	4.42	6.1	6.0
S		45.00	31.7	1.31	3.06	0.604	2.46	2.58	3.06	2.78	12.9	14.6
S		46.00	44.0	1.85	4.07	0.618	3.45	2.98	4.07	3.46	12.7	15.5
S		47.00	36.6	1.86	3.58	0.632	2.95	2.97	3.58	3.22	12.4	14.1
S		48.00	38.4	1.90	3.50	0.645	2.85	2.99	3.50	3.19	13.5	15.1

Calcul du module pressiométrique

W-Pressio ver. 1.1

Dénomination: SIZEWELL

N° d'affaire: ML.100119

Fichier : P10



Sondage : MPM 2009-4

Sonde	Côte NGF (m)	Prof. (m)	E _v (MPa)	Pf (MPa)	P1 (MPa)	Po (MPa)	P1-Po (MPa)	Pmax (MPa)	P1 (l) (MPa)	P1 (h) (MPa)	E _h	
											P1 (l)-Po	P1 (h) Po
S		10.00	1.7	0.17	0.36	0.135	0.22	0.42	0.36	0.35	7.7	7.9
S		11.00	30.8	1.25	3.14	0.149	2.99	3.21	3.14	3.17	10.3	10.2
S		12.00	30.0	1.21	3.21	0.162	3.04	3.08	3.21	3.16	9.9	10.0
S		13.00	30.2	1.23	3.01	0.176	2.83	2.72	3.01	2.89	10.7	11.1
S		14.00	27.4	1.25	3.36	0.190	3.17	3.13	3.36	3.34	8.6	8.7
S		15.00	22.8	1.24	3.39	0.204	3.19	3.13	3.39	3.37	7.2	7.2
S		16.00	36.9	1.46	3.69	0.217	3.48	3.35	3.69	3.51	10.6	11.2
S		17.00	37.4	2.27	4.98	0.231	4.75	4.93	4.98	4.95	7.9	7.9
S		18.00	50.1	2.29	5.28	0.245	5.04	4.97	5.28	5.11	10.6	10.3
S		19.00	36.4	2.28	4.86	0.258	4.63	4.57	4.86	4.75	7.9	8.1
S		20.00	66.8	3.11	7.56	0.272	7.29	5.07	7.56	7.14	9.2	9.7
S		21.00	135.3	3.87	15.46	0.286	15.17	5.06	15.46	11.69	8.9	11.9
S		22.00	152.5	3.95	10.62	0.300	10.32	5.14	10.62	6.97	14.8	22.9
S		23.00	82.5	3.15	8.28	0.313	7.97	5.12	8.28	7.54	10.4	11.4
S		24.00	64.3	3.08	8.33	0.327	8.00	5.05	8.33	7.40	8.0	9.1
S		25.00	56.7	3.14	7.39	0.341	7.05	5.09	7.39	6.84	8.0	8.7
S		26.00	20.8	2.31	4.48	0.355	4.12	3.03	4.48	3.97	5.1	5.8
S		27.00	59.2	2.16	6.46	0.368	6.09	5.08	6.46	5.98	9.7	10.5
S		28.00	49.8	2.19	5.58	0.382	5.20	5.09	5.58	5.59	7.8	7.8
S		29.00	60.7	3.17	7.04	0.396	6.64	5.12	7.04	6.49	9.1	10.8
S		30.00	62.0	3.19	7.80	0.410	7.39	5.15	7.80	7.53	8.4	8.7
S		31.00	134.9	3.19	14.26	0.423	13.84	5.17	14.26	9.01	9.7	15.7
S		32.00	169.9	> 5.20	> 5.20	0.437	> 4.76	5.20				
S		33.00	112.1	2.23	10.96	0.451	10.51	3.72	10.96	6.87	10.7	17.5
S		34.00	419.2	> 5.26	> 5.26	0.465	> 4.80	5.26				
S		35.00	505.5	> 5.28	> 5.28	0.478	> 4.80	5.28				
S		36.00	420.1	> 5.29	> 5.29	0.492	> 4.80	5.29				
PF		37.00	165.6	> 5.09	> 5.09	0.506	> 4.59	5.09				

Sondage : MPM 2009-4

Sonde	Côte NGF (m)	Prof. (m)	E _M (MPa)	P _f (MPa)	P _l (MPa)	P ₀ (MPa)	P _l -P ₀ (MPa)	P _{max} (MPa)	P _l (i) (MPa)	P _l (h) (MPa)	E _R	
											P _l (i)-P ₀	P _l (h)-P ₀
TF		38.00	143.3	> 5.03	> 5.03	0.519	> 4.51	5.03				
TF		39.00	365.7	> 5.25	> 5.25	0.533	> 4.72	5.25				
TF		40.00	463.7	> 5.27	> 5.27	0.547	> 4.72	5.27				
TF		41.00	408.4	> 5.33	> 5.33	0.561	> 4.77	5.33				
TF		42.00	406.9	> 5.33	> 5.33	0.574	> 4.75	5.33				
TF		43.00	51.0	3.26	6.88	0.588	6.29	5.15	6.88	7.06	8.1	7.9
TF		44.00	130.4	3.82	10.87	0.602	10.27	5.29	10.87	12.36	12.7	11.1
TF		45.00	39.2	2.29	4.03	0.616	3.41	3.80	4.03	3.91	11.5	11.9
TF		46.00	31.4	2.35	2.93	0.629	2.30	2.89	2.93	2.88	13.6	13.9
TF		47.00	41.5	2.00	2.77	0.643	2.13	2.85	2.77	2.81	19.5	19.1
TF		48.00	41.2	2.00	2.83	0.657	2.17	2.85	2.83	2.83	19.0	18.9

Sondage : MPM 2009-5

Sonde	Côte NGF (m)	Prof. (m)	E _M (MPa)	P _f (MPa)	P _l (MPa)	P _o (MPa)	P _l -P _o (MPa)	P _{max} (MPa)	P _l (i) (MPa)	P _l (h) (MPa)	E _M	
											P _l (i)-P _o	P _l (h)-P _o
S		10.00	13.6	0.53	1.59	0.128	1.46	1.22	1.59	1.36	9.3	11.0
S		11.00	13.1	0.93	2.11	0.142	1.97	1.64	2.11	1.95	6.6	7.3
S		12.00	14.9	1.02	1.87	0.155	1.71	1.83	1.87	1.85	8.7	8.8
S		13.00	23.6	1.48	2.99	0.169	2.82	3.05	2.99	3.02	8.4	8.3
S		14.00	18.0	1.63	3.03	0.183	2.84	2.87	3.03	3.00	6.3	6.4
S		15.00	43.1	1.69	3.91	0.197	3.71	3.87	3.91	3.90	11.6	11.6
S		16.00	57.3	2.42	6.94	0.210	6.73	4.73	6.94	5.16	8.5	11.6
S		17.00	108.6	2.52	9.55	0.224	9.33	4.97	9.55	7.11	11.6	15.8
S		18.00	127.3	3.03	10.49	0.238	10.25	4.99	10.49	6.91	12.4	19.1
S		19.00	136.1	3.03	12.68	0.252	12.43	5.00	12.68	8.61	11.0	16.3
S		20.00	117.4	3.47	9.51	0.265	9.24	4.94	9.51	6.26	12.7	19.6
S		21.00	43.4	2.55	6.58	0.279	6.30	4.96	6.58	6.39	6.9	7.1
S		22.00	35.5	2.57	6.03	0.293	5.74	4.96	6.03	5.99	6.2	6.2
S		23.00	45.4	2.56	6.12	0.307	5.82	4.95	6.12	5.79	7.8	8.3
S		24.00	41.2	2.56	6.81	0.320	6.49	4.98	6.81	7.03	6.3	6.1
S		25.00	54.7	> 5.04	> 5.04	0.334	> 4.71	5.04				
S		26.00	29.3	> 4.97	> 4.97	0.348	> 4.62	4.97				
S		27.00	34.8	> 4.98	> 4.98	0.361	> 4.62	4.98				
S		28.00	56.2	3.18	7.22	0.375	6.85	5.10	7.22	6.88	8.2	9.6
S		29.00	37.8	3.10	6.35	0.389	5.96	5.02	6.35	6.28	6.3	6.4
S		30.00	87.9	3.64	8.84	0.403	8.43	5.10	8.84	6.92	10.4	13.5
S		31.00	42.5	3.10	6.68	0.416	6.27	5.03	6.68	6.57	6.8	6.9
S		32.00	91.7	3.22	8.56	0.430	8.13	5.16	8.56	7.20	11.3	13.5
S		33.00	111.5	3.70	11.42	0.444	10.97	5.17	11.42	7.85	10.2	15.0
S		34.00	188.7	> 5.17	> 5.17	0.458	> 4.71	5.17				
S		35.00	179.1	3.71	12.77	0.471	12.30	5.19	12.77	7.19	14.6	26.7
S		36.00	157.1	> 5.20	> 5.20	0.485	> 4.71	5.20				
S		37.00	240.6	3.72	19.18	0.499	18.68	5.21	19.18	10.50	12.9	24.1
S		38.00	211.6	> 5.20	> 5.20	0.513	> 4.69	5.20				
S		39.00	155.4	3.18	13.59	0.526	13.07	5.16	13.59	8.02	11.9	20.7
S		40.00	94.9	> 5.27	> 5.27	0.540	> 4.73	5.27				
S		41.00	103.5	3.80	10.62	0.554	10.06	5.27	10.62	9.12	10.3	12.1
S		42.00	108.1	3.75	10.16	0.568	9.59	5.21	10.16	6.97	11.3	16.9

Sondage : MPM 2009-5

Sonde	Côte NGF (m)	Prof. (m)	E _m (MPa)	Pf (MPa)	Pl (MPa)	Po (MPa)	Pl-Po (MPa)	Pmax (MPa)	Pl (i) (MPa)	Pl (h) (MPa)	E _m	
											Pl(i)-Po	Pl(h)-Po
S		43.00	73.5	3.29	6.54	0.581	5.96	5.19	6.54	5.75	12.3	14.2
S		44.00	49.7	2.74	4.15	0.595	3.55	3.79	4.15	3.89	14.0	15.1
S		45.00	36.0	1.91	3.21	0.609	2.60	2.96	3.21	3.05	13.8	14.7
S		46.00	45.6	1.57	3.16	0.622	2.54	2.63	3.16	2.79	18.0	21.0
S		47.00	37.3	1.54	3.32	0.636	2.69	2.98	3.32	3.12	13.9	15.0
S		48.00	33.5	1.55	3.39	0.650	2.74	3.00	3.39	3.21	12.2	13.1

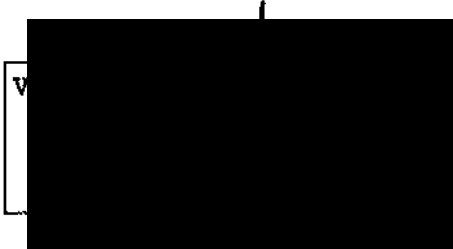
Calcul du module pressiométrique

W-Pressio ver. 1.1

Dénomination: SIZEWELL B - GROUND INVESTIGATION

N° d'affaire: ML.100119

Fichier : P9



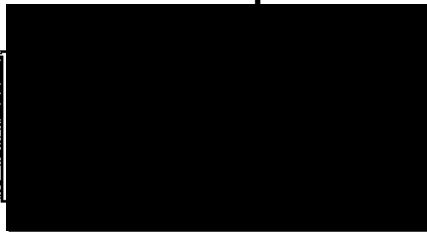
Calcul du module pressiométrique

W-Pressio ver. 1.1

Dénomination: SIZEWELL B - GROUND INVESTIGATION

N° d'affaire: ML.100119

Fichier : P9



Sondage : MPM 2009-6

Sonde	Côte NGF (m)	Prof. (m)	E _M (MPa)	Pf (MPa)	Pl (MPa)	Po (MPa)	Pl-Po (MPa)	Pmax (MPa)	Pl (i) (MPa)	Pl (h) (MPa)	E _R	
											Pl (i) - Po	Pl (h) - Po
S		10.00	10.0	0.42	1.23	0.125	1.11	0.77	1.23	1.00	9.1	11.5
S		11.00	19.9	0.94	2.43	0.139	2.30	2.02	2.43	2.29	8.6	9.2
S		12.00	20.1	0.95	2.25	0.153	2.10	2.01	2.25	2.16	9.6	10.1
S		13.00	23.0	1.56	3.26	0.166	3.10	3.02	3.26	3.18	7.4	7.6
S		14.00	23.2	1.62	3.40	0.180	3.22	3.42	3.40	3.42	7.2	7.1
S		15.00	43.6	2.50	5.83	0.194	5.64	4.87	5.83	5.54	7.7	8.2
S		16.00	37.9	2.94	6.00	0.207	5.80	4.86	6.00	5.75	6.5	6.8
S		17.00	39.4	2.99	6.52	0.221	6.30	4.92	6.52	6.27	6.3	6.5

Scndage : MPM 2009-6

Sonde	Côte NGF (m)	Prof. (m)	E _N (MPa)	PF (MPa)	Pl (MPa)	Po (MPa)	Pl-Po (MPa)	Pmax (MPa)	Pl(i) (MPa)	Pl(h) (MPa)	E _N	
											Pl(i)-Po	Pl(h)-Po
S		18.00	38.5	2.96	6.12	0.235	5.88	4.89	6.12	5.78	6.5	6.9
S		19.00	56.1	3.02	7.76	0.249	7.51	4.96	7.76	7.67	7.5	7.6
S		20.00	42.3	3.01	7.05	0.262	6.78	4.94	7.05	6.56	6.2	6.7
S		21.00	68.3	3.08	7.31	0.276	7.03	5.00	7.31	6.59	9.7	10.8
S		22.00	60.2	2.53	7.47	0.290	7.18	4.96	7.47	6.71	8.4	9.4
S		23.00	102.2	3.55	10.17	0.304	9.87	5.02	10.17	7.43	10.4	14.4
S		24.00	99.4	> 5.04	> 5.04	0.317	> 4.72	5.04				
S		25.00	98.7	> 5.05	> 5.05	0.331	> 4.72	5.05				
S		26.00	89.8	> 5.06	> 5.06	0.345	> 4.72	5.06				
S		27.00	79.5	2.60	7.75	0.359	7.39	5.03	7.75	6.51	10.7	12.9
S		28.00	102.6	3.10	8.92	0.372	8.55	5.05	8.92	7.27	12.0	14.9
S		29.00	96.2	3.11	8.80	0.386	8.41	5.06	8.80	6.38	11.4	16.1
S		30.00	99.9	3.14	7.62	0.400	7.22	5.07	7.62	5.99	13.8	17.9
S		31.00	101.7	3.14	8.34	0.413	7.93	5.08	8.34	6.16	12.8	17.7
S		32.00	136.5	3.65	12.36	0.427	11.93	5.12	12.36	8.04	11.4	17.9
S		33.00	206.1	> 5.15	> 5.15	0.441	> 4.71	5.15				
S		34.00	291.5	> 5.18	> 5.18	0.455	> 4.72	5.18				
S		35.00	311.4	> 5.17	> 5.17	0.468	> 4.70	5.17				
S		36.00	235.3	3.69	16.02	0.482	15.54	5.17	16.02	7.43	15.1	33.9
S		37.00	152.5	3.74	11.38	0.496	10.88	5.21	11.38	7.25	14.0	22.6
S		38.00	75.2	3.14	9.27	0.510	8.76	5.10	9.27	7.81	8.6	10.3
S		39.00	102.8	3.23	9.76	0.523	9.24	5.19	9.76	7.07	11.1	15.7
S		40.00	103.8	3.27	8.74	0.537	8.20	5.21	8.74	6.89	12.7	16.4
S		41.00	174.7	> 5.25	> 5.25	0.551	> 4.69	5.25				
S		42.00	158.3	> 5.27	> 5.27	0.565	> 4.71	5.27				
S		43.00	117.9	3.80	10.60	0.578	10.02	5.27	10.60	7.37	11.8	17.4
S		44.00	54.6	3.79	7.39	0.592	6.80	5.22	7.39	6.76	8.0	8.9
S		45.00	48.6	3.46	7.45	0.606	6.84	5.01	7.45	6.48	7.1	8.3
S		46.00	32.9	1.92	2.94	0.620	2.32	2.77	2.94	2.83	14.2	14.9
S		47.00	33.0	1.54	3.14	0.633	2.51	2.62	3.14	2.79	13.2	15.3
S		48.00	34.5	1.51	3.57	0.647	2.93	2.99	3.57	3.23	11.8	13.4

Calcul du module pressiométrique

W-Pressio ver. 1.1

Dénomination: SOIL MECHANICS -SIZEWELL B - LEISTON

N° d'affaire: ML.100119

Fichier : P8

Sondage : MPW 2009-7

Sonde	Côte NGF (m)	Prof. (m)	E _M (MPa)	P _f (MPa)	P _l (MPa)	P _o (MPa)	P _l -P _o (MPa)	P _{max} (MPa)	P _l (i) (MPa)	P _l (h) (MPa)	E _M	
											P _l (i) - P _o	P _l (h) - P _o
S		10.00	3.8	0.29	0.64	0.088	0.55	0.54	0.64	0.61	6.9	7.2
S		11.00	20.9	0.82	2.24	0.097	2.14	2.25	2.24	2.26	9.8	9.7
S		12.00	14.8	0.83	1.79	0.106	1.69	1.85	1.79	1.83	8.8	8.6
S		13.00	16.3	0.85	2.04	0.115	1.92	2.00	2.04	2.05	8.5	8.4
S		14.00	20.3	1.62	3.32	0.124	3.20	3.28	3.32	3.33	6.4	6.3
S		15.00	30.3	1.83	4.24	0.132	4.10	3.91	4.24	4.15	7.4	7.5
S		16.00	30.9	1.22	4.03	0.141	3.89	3.50	4.03	3.98	7.9	8.0
S		17.00	31.0	2.02	5.08	0.150	4.93	4.32	5.08	5.11	6.3	6.2
S		18.00	52.3	2.44	5.50	0.159	5.34	4.92	5.50	5.20	9.8	10.4
S		19.00	59.9	2.46	6.52	0.168	6.35	4.99	6.52	6.00	9.4	10.3
S		20.00	91.1	3.61	7.70	0.177	7.52	5.08	7.70	6.42	12.1	14.6
S		21.00	52.8	3.02	8.30	0.185	8.11	4.99	8.30	8.50	6.5	6.3
S		22.00	93.6	2.62	8.87	0.194	8.67	5.08	8.87	7.94	10.8	12.1
S		23.00	106.8	3.07	10.45	0.203	10.24	5.04	10.45	7.76	10.6	14.4
S		24.00	45.6	3.07	6.90	0.212	6.69	5.01	6.90	6.60	6.8	7.1
S		25.00	37.1	2.10	5.28	0.221	5.06	4.50	5.28	5.16	7.3	7.5
S		26.00	56.8	2.63	6.95	0.230	6.72	5.06	6.95	6.59	8.5	8.9
S		27.00	57.4	2.13	6.79	0.238	6.55	5.05	6.79	6.36	8.8	9.4
S		28.00	36.1	2.28	5.67	0.247	5.42	4.21	5.67	5.41	6.7	7.0
S		29.00	34.9	2.31	5.36	0.256	5.11	4.23	5.36	5.14	6.8	7.1
S		30.00	59.0	2.58	5.56	0.265	5.29	5.06	5.56	5.29	11.2	11.7
S		31.00	97.4	2.68	7.38	0.274	7.11	5.12	7.38	6.28	13.7	16.2
S		32.00	98.8	2.70	7.41	0.283	7.13	5.14	7.41	5.97	13.9	17.4
S		33.00	67.3	2.71	5.51	0.291	5.22	5.10	5.51	5.25	12.9	13.6
S		34.00	63.3	2.23	5.49	0.300	5.19	5.11	5.49	5.33	12.2	12.6
S		35.00	79.2	2.21	6.15	0.309	5.84	5.12	6.15	5.53	13.6	15.2
S		36.00	107.0	3.72	8.02	0.318	7.70	5.19	8.02	6.58	13.9	17.1
S		37.00	44.1	1.69	4.92	0.327	4.59	3.86	4.92	4.40	9.6	10.8

Sondage : MPM 2009-7

Sonde	Côte NGF (m)	Prof. (m)	E _M (MPa)	Pf (MPa)	Pl (MPa)	Po (MPa)	Pl-Po (MPa)	Pmax (MPa)	Pl (i) (MPa)	Pl (h) (MPa)	E _M	
											Pl (i)-Po	Pl (h)-Po
S		38.00	54.7	2.73	5.09	0.336	4.76	4.62	5.09	4.78	11.5	12.3
S		39.00	171.2	3.27	11.97	0.344	11.62	5.24	11.97	7.67	14.7	23.4
S		40.00	52.7	2.82	6.88	0.353	6.53	5.26	6.88	7.47	8.1	7.4
S		41.00	181.4	3.80	12.55	0.362	12.19	5.28	12.55	6.27	14.9	30.7
S		42.00	40.7	3.29	8.02	0.371	7.65	5.25	8.02	10.20	5.3	4.1
S		43.00	53.1	3.25	8.59	0.380	8.21	5.22	8.59	8.64	6.5	6.4
S		44.00	18.8	1.83	3.79	0.388	3.40	2.40	3.79	3.46	5.5	6.1
S		45.00	44.9	2.67	5.15	0.397	4.75	3.83	5.15	4.74	9.4	10.3
S		46.00	17.4	1.30	3.08	0.406	2.67	2.43	3.08	3.04	6.5	6.6
S		47.00	34.0	1.69	3.94	0.415	3.52	2.84	3.94	3.35	9.7	11.6
S		48.00	24.6	1.48	3.94	0.424	3.52	2.44	3.94	3.29	7.0	8.6

Calcul du module pressiométrique

W-Pressio ver. 1.1

Dénomination: Soil Mechanics - Sizewell C, Meiston IP 16

N° d'affaire: ML100119

Fichier : P12

Sondage : MPM2009-8

Sonde	Côte NGF (m)	Prof. (m)	Ex (MPa)	Pf (MPa)	Pl (MPa)	Po (MPa)	Pl-Po (MPa)	Pmax (MPa)	Pl(i) (MPa)	Pl(h) (MPa)	Em Pl(i)-Po	Em Pl(h)-Po
S		10.00	3.0	0.23	0.40	0.135	0.27	0.40	0.40	0.40	11.1	11.1
S		11.00	2.8	0.27	0.45	0.149	0.30	0.44	0.45	0.44	9.3	9.6
S		12.00	2.4	0.33	0.51	0.162	0.34	0.47	0.51	0.49	7.1	7.5
S		13.00	3.2	0.27	0.54	0.176	0.36	0.49	0.54	0.52	8.9	9.4
S		14.00	9.2	0.43	1.24	0.190	1.05	1.14	1.24	1.22	8.8	9.0
S		15.00	14.5	0.98	2.45	0.204	2.25	2.38	2.45	2.49	6.5	6.4
S		16.00	13.0	0.59	1.27	0.217	1.05	1.26	1.27	1.26	12.4	12.5
S		17.00	18.6	1.24	2.90	0.231	2.67	3.00	2.90	2.94	7.0	6.9
S		18.00	33.7	1.17	3.73	0.245	3.48	3.39	3.73	3.39	9.7	10.1
S		19.00	34.5	1.91	4.63	0.258	4.37	3.78	4.63	4.35	7.9	8.4
S		20.00	40.9	1.96	4.84	0.272	4.57	4.20	4.84	4.56	9.0	9.5
S		21.00	61.9	2.49	6.15	0.286	5.85	4.88	6.15	5.53	10.6	11.8
S		22.00	51.5	2.29	6.23	0.300	5.93	3.82	6.23	5.34	8.7	10.2
S		23.00	126.5	3.52	11.98	0.313	11.66	4.99	11.98	6.81	10.8	19.5
S		24.00	77.5	3.52	9.29	0.327	8.96	4.99	9.29	7.77	8.6	10.4
S		25.00	85.7	2.57	9.20	0.341	8.86	5.01	9.20	8.12	9.7	11.0
S		26.00	84.5	2.60	8.01	0.355	7.65	4.56	8.01	7.36	11.0	12.1
S		27.00	52.3	2.62	6.84	0.368	6.47	5.03	6.84	7.05	8.1	7.8
S		28.00	83.6	3.04	12.45	0.382	12.06	5.01	12.45	12.97	6.9	6.6
S		29.00	87.3	3.08	9.26	0.396	8.87	5.04	9.26	7.99	9.8	11.5
S		30.00	79.7	3.10	8.73	0.410	8.32	5.05	8.73	7.89	9.6	10.7
S		31.00	86.5	2.67	7.78	0.423	7.36	5.11	7.78	7.28	11.7	12.6
S		32.00	70.5	3.18	7.73	0.437	7.29	5.13	7.73	7.34	9.7	10.2
S		33.00	137.5	3.24	8.97	0.451	8.52	5.20	8.97	7.78	16.1	18.8
S		34.00	107.7	3.23	8.13	0.465	7.66	5.19	8.13	7.85	14.1	14.6
S		35.00	151.0	2.68	9.89	0.478	9.41	5.13	9.89	6.88	16.0	23.6
S		36.00	87.4	3.65	9.83	0.492	9.34	5.12	9.83	8.58	9.4	10.8
S		37.00	100.8	3.66	12.05	0.506	11.54	5.13	12.05	10.63	8.7	10.9

Sondage : MPM2009-B

Sonde	Côte NGF (m)	Prof. (m)	E _m (XPa)	P _f (MPa)	P _l (MPa)	P _o (XPa)	P _l -P _o (XPa)	P _{max} (MPa)	P _l (%)	P _l (h)	E _r	
											P _l (h) - P _o	P _l (h) - P _o
S		38.00	229.0	3.75	19.17	0.519	18.65	5.24	19.17	10.06	12.3	24.0
S		39.00	318.6	> 5.25	> 5.25	0.533	> 4.71	5.25				
S		40.00	277.9	3.77	18.12	0.547	17.57	5.26	18.12	8.18	15.8	36.4
S		41.00	110.1	3.73	13.69	0.561	13.12	5.21	13.69	10.57	8.4	11.0
S		42.00	235.7	3.79	19.65	0.574	19.08	5.28	19.65	10.99	12.4	22.6
S		43.00	131.9	3.79	13.85	0.588	13.26	5.27	13.85	11.25	9.9	12.4
S		44.00	222.6	> 5.32	> 5.32	0.602	> 4.72	5.32				
S		45.00	88.4	3.32	10.83	0.616	10.21	5.29	10.83	11.22	8.7	8.3
S		46.00	29.2	3.26	4.96	0.629	4.33	4.20	4.96	4.47	6.7	7.6
S		47.00	59.7	2.57	4.31	0.643	3.67	3.86	4.31	4.08	16.3	17.4
S		48.00	33.3	1.24	3.24	0.657	2.58	3.44	3.24	3.44	12.9	12.0

Calcul du module pressiométrique

W-Pressio ver. 1.1

Dénomination: Soil Mechanics Sizewell B, Leiston ID 16

N° d'affaire: ML.100119

Fichier : P3

Sondage : MPM2009-09

Sonde	Côte NGF (m)	Prof. (m)	E _M (MPa)	P _f (MPa)	P _l (MPa)	P _o (MPa)	P _l -P _o (MPa)	P _{max} (MPa)	P _l (i) (MPa)	P _l (h) (MPa)	$\frac{E_M}{P_l(i)-P_o}$	$\frac{E_M}{P_l(h)-P_o}$
S		10.00	38.2	1.58	3.93	0.124	3.81	3.43	3.93	3.80	10.0	10.4
S		11.00	45.5	2.53	4.64	0.137	4.51	4.35	4.64	4.49	10.1	10.5
S		12.00	47.0	2.02	4.16	0.151	4.01	3.84	4.16	3.97	11.7	12.3
S		13.00	41.3	2.46	4.17	0.165	4.00	4.23	4.17	4.19	10.3	10.3
S		14.00	47.0	1.70	3.90	0.179	3.72	3.87	3.90	3.93	12.6	12.5
S		15.00	50.4	2.55	4.94	0.192	4.75	4.40	4.94	4.64	10.6	11.3
S		16.00	33.9	2.57	4.61	0.206	4.40	4.40	4.61	4.54	7.7	7.8
TF		17.00	86.2	2.43	6.37	0.220	6.15	4.74	6.37	5.66	14.0	15.8
TF		18.00	58.0	2.51	5.44	0.233	5.21	4.85	5.44	5.22	11.1	11.6
TF		19.00	81.5	2.55	6.02	0.247	5.77	4.93	6.02	5.52	14.1	15.5
TF		20.00	71.1	2.56	6.26	0.261	6.00	4.95	6.26	5.90	11.9	12.6
TF		21.00	76.5	2.56	6.78	0.275	6.51	4.98	6.78	6.36	11.8	12.6
TF		22.00	97.7	2.59	8.18	0.288	7.89	5.03	8.18	7.29	12.4	13.9
TF		23.00	134.1	3.11	10.06	0.302	9.76	5.07	10.06	7.95	13.7	17.5
TF		24.00	152.9	> 5.08	> 5.08	0.316	> 4.77	5.08				
S		25.00	63.7	3.11	7.20	0.330	6.87	5.05	7.20	6.70	9.3	10.0
S		26.00	68.2	3.19	6.79	0.343	6.44	5.14	6.79	6.12	10.6	11.8
S		27.00	56.5	3.18	6.57	0.357	6.22	5.11	6.57	6.50	9.1	9.2
S		28.00	81.4	3.19	7.06	0.371	6.69	5.14	7.06	6.45	12.2	13.4
S		29.00	78.3	3.20	7.47	0.385	7.09	5.15	7.47	7.37	11.1	11.2
S		30.00	112.0	> 5.10	> 5.10	0.398	> 4.70	5.10				
S		31.00	88.8	> 5.09	> 5.09	0.412	> 4.68	5.09				
S		32.00	74.1	> 5.10	> 5.10	0.426	> 4.67	5.10				
S		33.00	82.9	> 5.12	> 5.12	0.439	> 4.68	5.12				
S		34.00	85.7	> 5.12	> 5.12	0.453	> 4.67	5.12				
S		35.00	89.8	> 5.15	> 5.15	0.467	> 4.68	5.15				
S		36.00	137.7	> 5.18	> 5.18	0.481	> 4.70	5.18				
S		37.00	185.8	> 5.18	> 5.18	0.494	> 4.68	5.18				

Sondage : MPM2009-09

Sonde	Côte NGF (m)	Prof. (m)	E_x (MPa)	Pf (MPa)	Pl (MPa)	Po (MPa)	Pl-Po (MPa)	Pmax (MPa)	Pl (i) (MPa)	Pl (h) (MPa)	E_x Pl (i) - Po	E_x Pl (h) - Po
S		38.00	198.2	> 5.20	> 5.20	0.508	> 4.69	5.20				
S		39.00	111.5	> 5.23	> 5.23	0.522	> 4.70	5.23				
S		40.00	111.7	> 5.30	> 5.30	0.536	> 4.76	5.30				
S		41.00	124.2	> 5.28	> 5.28	0.549	> 4.73	5.28				
S		42.00	157.1	3.31	12.22	0.563	11.66	5.28	12.22	9.15	13.5	18.3
S		43.00	140.5	3.31	10.82	0.577	10.24	5.27	10.82	7.29	13.7	20.9
S		44.00	165.1	3.82	12.29	0.591	11.70	5.31	12.29	7.17	14.1	25.1
S		45.00	168.5	3.35	11.39	0.604	10.79	5.33	11.39	8.37	15.6	21.7
S		46.00	175.6	4.31	14.52	0.618	13.91	5.30	14.52	8.86	12.6	21.3
S		47.00	160.7	3.82	9.20	0.632	8.57	5.29	9.20	6.42	18.7	27.8
S		48.00	183.3	3.85	11.33	0.645	10.68	5.32	11.33	7.33	17.2	27.4
S		51.50	84.0	2.76	5.05	0.694	4.36	4.60	5.05	4.70	19.3	21.0

Calcul du module pressiométrique

W-Pressio ver. 1.1

Dénomination: SIZEWELL B - GROUND INVESTIGATION

N° d'affaire: ML.100119

Fichier : P9

Sondage : MPM2039-13

Sonde	Côte NGF (m)	Prof. (m)	E _M (MPa)	P _f (MPa)	P _l (MPa)	P _o (MPa)	P _l -P _o (MPa)	P _{max} (MPa)	P _l (f) (MPa)	P _l (h) (MPa)	E _M	
											P _l (f)-P _o	P _l (h)-P _o
S		10.00	8.0	0.49	1.21	0.131	1.08	1.01	1.21	1.17	7.5	7.7
S		11.00	15.7	0.61	1.65	0.145	1.50	1.33	1.65	1.49	10.4	11.7
S		12.00	25.9	> 0.44	> 0.44	0.159	> 0.28	0.44				
S		13.00	18.7	1.13	2.89	0.173	2.71	2.24	2.89	2.83	6.9	7.0
S		14.00	66.7	2.77	5.51	0.186	5.32	4.66	5.51	4.99	12.5	13.9
S		15.00	81.3	2.99	7.99	0.200	7.79	4.93	7.99	7.30	10.4	11.4
S		16.00	75.9	2.00	7.47	0.214	7.25	4.91	7.47	6.33	10.5	12.4
S		17.00	102.7	> 4.98	> 4.98	0.228	> 4.75	4.98				
S		18.00	94.1	> 4.97	> 4.97	0.241	> 4.73	4.97				
S		19.00	126.1	3.55	11.12	0.255	10.86	5.03	11.12	7.71	11.6	16.9
S		20.00	106.6	3.57	9.99	0.269	9.72	5.04	9.99	7.71	11.0	14.3
S		21.00	89.4	3.54	9.95	0.283	9.66	5.01	9.95	8.05	9.3	11.5
S		22.00	68.9	3.04	8.86	0.296	8.57	4.99	8.86	8.42	8.0	8.5
S		23.00	119.8	3.60	11.33	0.310	11.02	5.07	11.33	7.36	10.9	17.0
S		24.00	49.2	3.52	7.57	0.324	7.25	4.98	7.57	6.35	6.8	8.2
S		25.00	78.7	3.58	8.77	0.337	8.43	5.04	8.77	7.50	9.3	11.0
S		26.00	68.6	3.09	7.64	0.351	7.29	5.03	7.64	6.69	9.4	10.8
S		27.00	94.7	3.12	9.62	0.365	9.26	5.08	9.62	7.66	10.2	13.0
S		28.00	80.1	3.11	8.33	0.379	7.95	5.06	8.33	6.64	10.1	12.8
S		29.00	74.6	3.65	9.17	0.392	8.78	5.12	9.17	7.10	8.5	11.1
S		30.00	107.5	> 5.13	> 5.13	0.406	> 4.72	5.13				
S		31.00	138.1	> 5.17	> 5.17	0.420	> 4.75	5.17				
S		32.00	142.1	> 5.16	> 5.16	0.434	> 4.72	5.16				
S		33.00	102.1	3.16	10.29	0.447	9.84	5.12	10.29	7.43	10.4	14.6
S		34.00	77.2	3.18	8.63	0.461	8.17	5.13	8.63	7.17	9.4	11.5
S		35.00	80.6	3.72	9.89	0.475	9.42	5.18	9.89	7.89	8.6	10.9
S		36.00	129.5	3.24	10.21	0.489	9.72	5.20	10.21	6.80	13.3	20.5
S		37.00	169.9	2.75	13.56	0.502	13.06	5.21	13.56	7.39	13.0	24.7

Sondage : MPM2009-10

Sonde	Côte NGF (m)	Prof. (m)	E _M (MPa)	P _f (MPa)	P _l (MPa)	P _o (MPa)	P _l -P _o (MPa)	P _{max} (MPa)	P _l (i) (MPa)	P _l (h) (MPa)	E _M	
											P _l (i)-P _o	P _l (h)-P _o
S		38.00	210.7	3.76	16.25	0.516	15.73	5.24	16.25	9.81	13.4	22.7
S		39.00	152.9	2.75	13.70	0.530	13.17	5.22	13.70	7.14	11.6	23.1
S		40.00	124.7	3.23	9.67	0.543	9.13	5.18	9.67	6.26	13.7	21.8
S		41.00	120.4	3.74	10.46	0.557	9.91	5.21	10.46	8.12	12.2	15.9
S		42.00	88.2	2.26	5.90	0.571	5.32	4.17	5.90	5.68	5.3	5.5
S		43.00	47.0	1.54	3.04	0.585	2.45	2.60	3.04	2.75	19.1	21.7
S		44.00	33.1	1.50	3.20	0.598	2.60	2.58	3.20	2.86	12.7	14.6
S		45.00	46.3	1.57	2.94	0.612	2.33	2.61	2.94	2.70	19.9	22.2
S		46.00	32.7	1.91	3.44	0.626	2.81	2.99	3.44	3.21	11.6	12.7
S		47.00	41.9	1.52	3.12	0.640	2.49	2.60	3.12	2.78	16.9	19.5
S		48.00	36.0	1.92	3.38	0.653	2.73	2.99	3.38	3.15	13.2	14.4

Calcul du module pressiométrique

W-Pressio ver. 1.1

Dénomination: SOIL MECHANICS - SIZEWELL B

N° d'affaire: ML.100119

Fichier : P7

Sondage : MPM2009-11

Sonde	Côte NGF (m)	Prof. (m)	E _m (MPa)	Pf (MPa)	Pl (MPa)	Po (MPa)	Pl-Po (MPa)	Fmax (MPa)	Pl (i) (MPa)	Pl (h) (MPa)	E _m Pl(i)-Po	E _m Pl(h)-Po
S		10.00	53.0	1.57	4.48	0.088	4.39	4.26	4.48	4.33	12.1	12.5
S		11.00	44.7	1.59	3.91	0.097	3.81	3.78	3.91	3.83	11.7	12.0
S		12.00	57.1	2.40	4.70	0.106	4.59	4.58	4.70	4.62	12.4	12.7
S		13.00	81.8	2.80	5.56	0.115	5.45	4.68	5.56	4.89	15.0	17.1
S		14.00	44.4	2.79	4.43	0.124	4.31	4.21	4.43	4.30	10.3	10.6
S		15.00	70.0	2.80	5.47	0.132	5.34	4.68	5.47	4.92	13.1	14.6
S		16.00	40.0	3.46	6.62	0.141	6.48	4.90	6.62	6.60	6.2	6.2
S		17.00	46.3	2.57	6.23	0.150	6.08	4.98	6.23	6.44	7.6	7.4
S		18.00	50.3	3.02	6.86	0.159	6.71	4.95	6.86	6.66	7.5	7.7
S		19.00	53.6	2.98	7.20	0.168	7.03	4.91	7.20	6.72	7.6	8.2
S		20.00	66.1	3.02	5.96	0.177	5.78	4.92	5.96	5.37	11.4	12.7
S		21.00	53.4	3.02	5.73	0.185	5.54	4.90	5.73	5.31	9.6	10.4
S		22.00	75.3	3.09	6.55	0.194	6.35	5.01	6.55	5.95	11.8	13.1
S		23.00	68.4	3.13	7.22	0.203	7.02	5.08	7.22	6.81	9.7	10.4
S		24.00	47.8	3.13	6.15	0.212	5.94	5.05	6.15	6.06	8.0	8.2
S		25.00	58.9	3.56	7.76	0.221	7.54	5.01	7.76	7.23	7.8	8.4
S		26.00	68.6	2.63	7.58	0.230	7.35	5.08	7.58	7.51	9.3	9.4
S		27.00	47.5	3.16	6.40	0.238	6.17	5.09	6.40	6.35	7.7	7.8
S		28.00	82.3	3.18	6.45	0.247	6.20	5.11	6.45	5.84	13.3	14.7
S		29.00	84.0	3.20	6.51	0.256	6.26	5.14	6.51	5.87	13.4	15.0
S		30.00	120.1	> 5.13	> 5.13	0.265	> 4.87	5.13				
S		31.00	107.6	> 5.13	> 5.13	0.274	> 4.86	5.13				
S		32.00	127.9	> 5.18	> 5.18	0.283	> 4.89	5.18				
S		33.00	148.6	3.74	11.88	0.291	11.59	5.22	11.88	11.73	12.8	13.0
S		34.00	144.5	3.26	10.09	0.300	9.79	5.24	10.09	10.29	14.8	14.5
S		35.00	179.4	3.63	19.58	0.309	19.28	5.12	19.58	9.62	9.3	19.3
S		36.00	133.0	3.76	11.09	0.318	10.77	5.24	11.09	10.72	12.4	12.8
S		37.00	144.1	3.29	9.60	0.327	9.28	5.27	9.60	8.63	15.5	17.4

Sondage : MPM2009-11

Sonde	Cote NGF (m)	Prof. (m)	E _w (MPa)	Pf (MPa)	Pl (MPa)	Po (MPa)	Pl-Po (MPa)	P _{max} (MPa)	Pl(i) (MPa)	Pl(h) (MPa)	E _w	
											Pl(i)-Po	Pl(h)-Po
S		38.00	112.1	3.27	9.38	0.336	9.04	5.24	9.38	8.24	12.4	14.2
S		39.00	63.9	3.17	9.88	0.344	9.54	5.13	9.88	10.08	6.7	6.6
S		40.00	224.9	> 5.20	> 5.20	0.353	> 4.85	5.20				
S		41.00	372.2	> 5.25	> 5.25	0.362	> 4.89	5.25				
S		42.00	292.5	> 5.27	> 5.27	0.371	> 4.90	5.27				
S		43.00	238.4	> 5.32	> 5.32	0.380	> 4.94	5.32				
S		44.00	295.9	> 5.32	> 5.32	0.388	> 4.93	5.32				
S		45.00	140.8	> 5.36	> 5.36	0.397	> 4.96	5.36				
S		46.00	95.3	2.88	6.14	0.406	5.73	5.28	6.14	5.73	16.6	17.9
S		47.00	61.3	3.51	5.65	0.415	5.24	4.99	5.65	5.29	11.7	12.6
S		48.00	65.7	3.50	5.42	0.424	4.99	4.95	5.42	5.08	13.2	14.1

Calcul du module pressiométrique

W-Pressio ver. 1.1

Dénomination: SOIL MECHANICS SIZEWELL B, LEISTON IP16

N° d'affaire: ML.100119

Fichier : P4

Sondage : MPM 2009-12

Sonde	Côte NGF (m)	Prof. (m)	Ex (MPa)	Pi (MPa)	PL (MPa)	Po (MPa)	Pl-Po (MPa)	Pmax (MPa)	P (i) (MPa)	Pl (h) (MPa)	E _s Pl(i)-Po	E _s Pl(h)-Po
S		10.00	30.8	1.09	2.40	0.088	2.32	1.79	2.40	2.00	13.3	16.1
S		11.00	19.7	1.12	2.30	0.097	2.20	2.16	2.30	2.24	8.9	9.2
S		12.00	21.9	0.80	2.23	0.106	2.12	2.18	2.23	2.22	10.3	10.4
S		13.00	33.3	1.18	2.71	0.115	2.59	2.61	2.78	2.71	12.5	12.8
S		14.00	28.9	1.14	3.08	0.124	2.96	2.60	3.08	2.88	9.8	10.5
S		15.00	16.6	1.51	2.89	0.132	2.76	2.58	2.89	2.83	6.0	6.2
S		16.00	32.5	1.60	2.98	0.141	2.84	2.82	2.98	2.87	11.4	11.9
S		17.00	63.0	2.43	5.54	0.150	5.39	4.33	5.54	4.80	11.7	13.5
S		18.00	78.4	2.97	6.75	0.159	6.59	4.89	6.75	5.68	11.9	14.2
S		19.00	63.4	3.01	7.59	0.168	7.42	4.95	7.59	6.75	8.5	9.6
S		20.00	59.3	3.06	7.40	0.177	7.23	5.01	7.40	7.39	8.2	8.2
S		21.00	52.6	1.99	6.30	0.185	6.12	4.88	6.30	5.86	8.6	9.3
S		22.00	93.5	3.51	9.94	0.194	9.74	4.98	9.94	8.07	9.6	11.9
S		23.00	74.7	3.02	9.84	0.203	9.64	4.98	9.84	8.90	7.8	8.6
S		24.00	97.5	3.09	9.20	0.212	8.99	5.05	9.20	7.61	10.8	13.2
S		25.00	38.3	1.60	3.77	0.221	3.55	3.70	3.77	3.78	10.8	10.8
S		26.00	94.5	3.60	10.69	0.230	10.46	5.08	10.69	8.03	9.0	12.1
S		27.00	103.9	3.60	11.44	0.238	11.21	5.07	11.44	8.82	9.3	12.1
S		28.00	107.3	3.62	10.98	0.247	10.74	5.09	10.98	8.49	10.0	13.0
S		29.00	110.9	3.65	9.45	0.256	9.19	5.12	9.45	7.41	12.1	15.5
S		30.00	110.4	3.72	8.32	0.265	8.06	5.19	8.32	7.83	13.7	14.6
S		31.00	84.8	3.66	9.25	0.274	8.97	5.13	9.25	7.91	9.5	11.1
S		32.00	86.4	3.64	10.11	0.283	9.83	5.11	10.11	10.51	8.8	8.5
S		33.00	83.5	3.69	9.20	0.291	8.90	5.16	9.20	8.18	9.4	10.6
S		34.00	91.5	3.76	8.55	0.300	8.25	5.23	8.55	9.64	11.1	9.8
S		35.00	52.6	2.64	7.52	0.309	7.21	5.06	7.52	6.97	7.3	7.9
S		36.00	86.1	3.68	10.30	0.318	9.98	5.16	10.30	9.95	8.6	8.9
S		37.00	94.3	> 5.15	> 5.15	0.327	> 4.82	5.15				

Sondage : MPM 2009-12

Sonde	Côte NGF (m)	Prof. (m)	E _N (MPa)	P _f (MPa)	P _l (MPa)	F _o (MPa)	F _l -F _o (MPa)	F _{max} (MPa)	P _l (i) (MPa)	F _l (h) (MPa)	F _N	
											P _l (i)-F _o	P _l (h)-F _o
S		38.00	77.3	> 5.18	> 5.18	0.336	> 4.84	5.18				
S		39.00	41.4	> 5.13	> 5.13	0.344	> 4.79	5.13				
S		40.00	92.5	> 5.18	> 5.18	0.353	> 4.83	5.18				
S		41.00	51.2	3.13	6.12	0.362	5.76	4.54	6.12	5.18	8.9	10.6
S		42.00	64.9	2.60	5.01	0.371	4.64	4.09	5.01	4.31	14.0	16.5
S		43.00	45.6	2.23	4.47	0.380	4.09	3.71	4.47	3.99	11.2	12.6
S		44.00	35.2	1.86	3.85	0.388	3.46	3.31	3.85	3.55	10.2	11.1
S		45.00	84.9	3.28	7.51	0.397	7.11	5.22	7.51	6.11	11.9	14.9
S		46.00	53.2	2.82	6.18	0.406	5.77	5.21	6.18	5.86	9.2	9.7
S		47.00	61.3	2.79	6.40	0.415	5.98	5.19	6.40	5.83	10.2	11.3
S		48.00	155.6	3.85	10.39	0.424	9.96	5.33	10.39	6.84	15.6	24.3

Calcul du module pressiométrique

W-Pressio ver. 1.1

Dénomination: SIZEWELL

N° d'affaire: ML.100119

Fichier : P11

Sondage : MPM13

Sonde	Côte NGF (m)	Prof. (m)	E _x (MPa)	P _F (MPa)	P ₁ (MPa)	P ₀ (MPa)	P ₁ -P ₀ (MPa)	P _{max} (MPa)	P ₁ (i) (MPa)	P ₁ (h) (MPa)	E _g	
											P ₁ (i)-P ₀	P ₁ (h)-P ₀
S		10.00	2.7	0.29	0.42	0.122	0.29	0.42	0.42	0.42	9.2	9.2
S		11.00	2.4	0.27	0.38	0.136	0.24	0.38	0.38	0.38	10.0	9.9
S		12.00	6.4	0.22	0.50	0.150	0.35	0.57	0.50	0.56	18.2	15.6
S		13.00	6.4	0.45	0.89	0.163	0.73	0.79	0.89	0.85	8.7	9.3
S		14.00	8.4	0.66	1.05	0.177	0.88	0.99	1.05	1.00	9.5	10.2
S		15.00	7.6	0.57	1.43	0.191	1.24	0.98	1.43	1.36	6.1	6.5
S		16.00	33.8	1.58	3.64	0.205	3.44	3.37	3.64	3.46	9.8	10.4
S		17.00	33.7	1.98	4.33	0.218	4.11	3.82	4.33	4.15	8.2	8.6
S		18.00	29.0	2.02	4.75	0.232	4.52	4.62	4.75	4.81	6.4	6.3
S		19.00	297.3	> 5.10	> 5.10	0.246	> 4.85	5.10				
S		20.00	316.3	> 5.11	> 5.11	0.259	> 4.85	5.11				
S		21.00	265.0	> 5.11	> 5.11	0.273	> 4.84	5.11				
S		22.00	165.8	> 5.10	> 5.10	0.287	> 4.81	5.10				
S		23.00	109.6	> 5.08	> 5.08	0.301	> 4.78	5.08				
S		24.00	67.5	> 5.04	> 5.04	0.314	> 4.73	5.04				
S		25.00	71.0	3.58	9.21	0.328	8.89	5.05	9.21	8.49	8.0	8.7
S		26.00	76.1	3.11	7.82	0.342	7.48	5.06	7.82	6.52	10.2	12.3
S		27.00	91.4	3.61	8.22	0.356	7.87	5.07	8.22	6.36	11.6	15.2
S		28.00	27.3	3.03	6.42	0.369	6.05	4.93	6.42	6.56	4.5	4.4
S		29.00	54.7	3.08	8.45	0.383	8.07	5.02	8.45	7.63	6.8	7.5
S		30.00	104.3	3.57	12.41	0.397	12.01	5.05	12.41	7.89	8.7	13.9
S		31.00	96.8	3.11	12.02	0.411	11.61	5.08	12.02	11.10	8.3	9.1
S		32.00	130.3	> 5.10	> 5.10	0.424	> 4.68	5.10				
S		33.00	157.3	> 5.14	> 5.14	0.438	> 4.70	5.14				
S		34.00	101.5	3.66	11.35	0.452	10.90	5.14	11.35	8.18	9.3	13.1
S		35.00	105.8	3.67	11.61	0.465	11.14	5.15	11.61	8.14	9.5	13.8
S		36.00	64.7	3.19	6.50	0.479	6.02	5.10	6.50	5.88	10.8	12.0
S		37.00	66.5	2.71	6.00	0.493	5.50	5.08	6.00	5.52	12.1	13.2

Sondage : MPM13

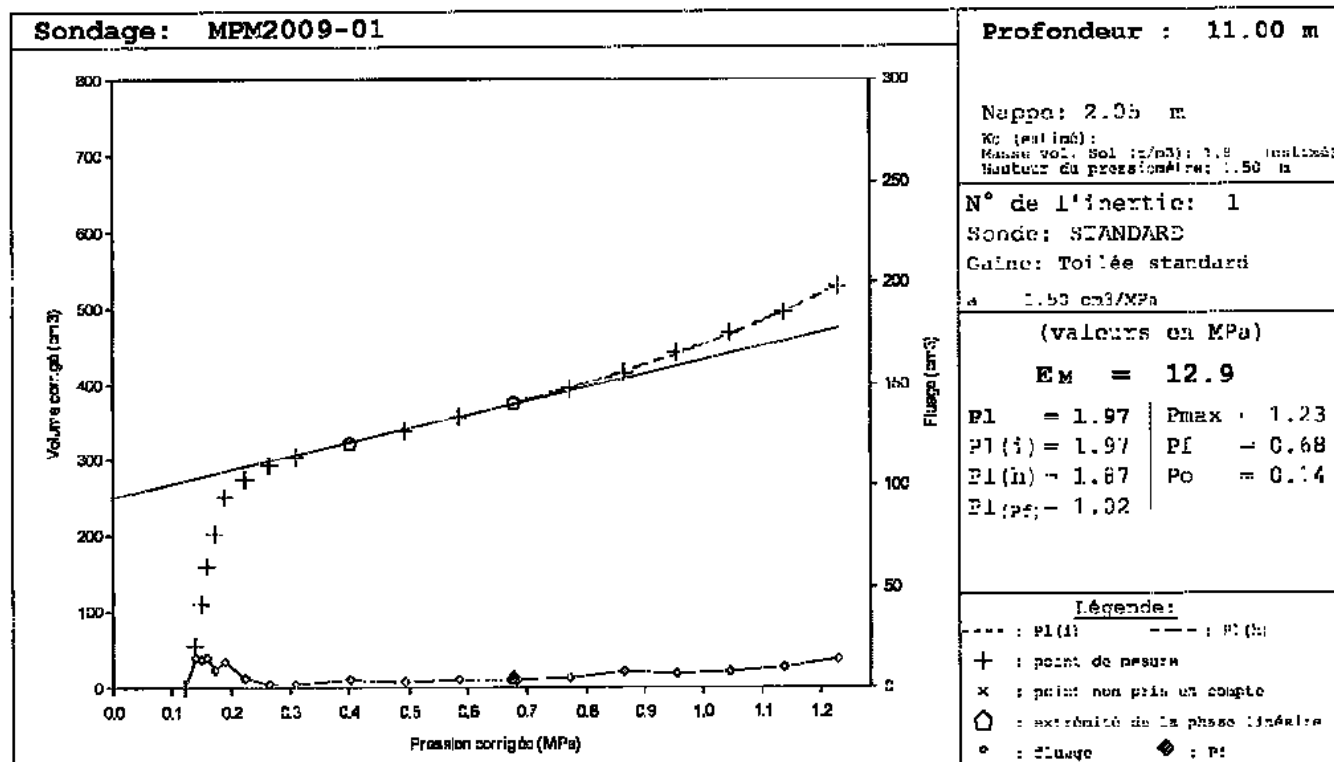
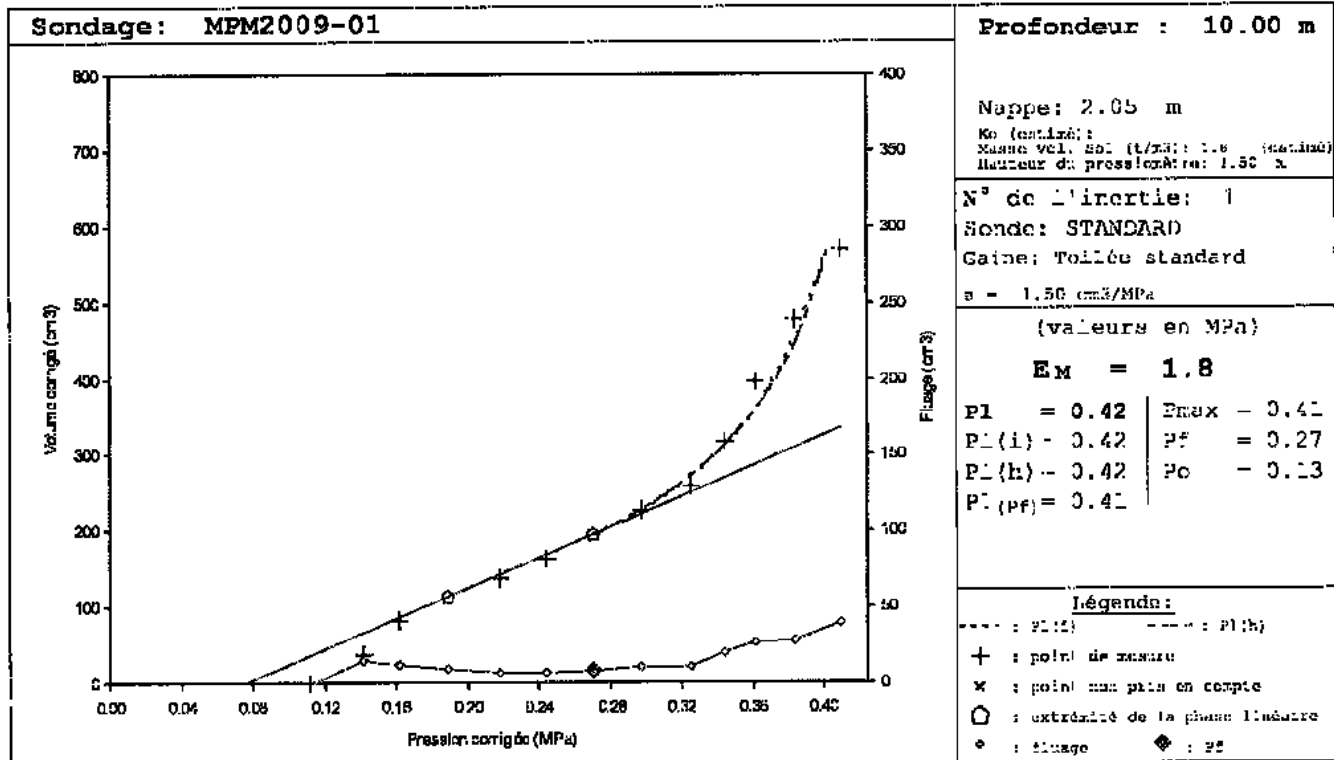
Sonde	Côte NGF (m)	Prof. (m)	E _x (MPa)	P _f (MPa)	P _i (MPa)	P _o (MPa)	P _i -P _o (MPa)	P _{max} (MPa)	P _i (i) (MPa)	P _i (h) (MPa)	E _y	
											P _i (i)-P _o	P _i (h)-P _o
S		38.00	81.5	3.70	11.25	0.507	10.74	5.17	11.25	10.40	7.6	8.2
S		39.00	96.7	3.72	10.17	0.520	9.65	5.19	10.17	9.06	10.0	11.3
S		40.00	91.1	3.73	10.93	0.534	10.40	5.21	10.93	11.89	8.8	8.0
S		41.00	256.2	> 5.26	> 5.26	0.548	> 4.72	5.26				
S		42.00	308.1	> 5.27	> 5.27	0.562	> 4.71	5.27				
S		43.00	295.1	> 5.28	> 5.28	0.575	> 4.70	5.28				
S		44.00	301.1	> 5.28	> 5.28	0.589	> 4.69	5.28				
S		45.00	224.9	> 5.29	> 5.29	0.603	> 4.68	5.29				
S		46.00	243.2	> 5.30	> 5.30	0.617	> 4.68	5.30				
S		47.00	115.2	3.32	6.72	0.630	6.09	5.24	6.72	5.57	18.9	23.3
S		48.00	59.2	2.35	4.41	0.644	3.76	4.16	4.41	4.22	15.7	16.5
S		49.00	77.5	2.36	4.15	0.658	3.49	3.81	4.15	3.87	22.2	24.1
TF		50.00	43.6	2.42	4.41	0.671	3.73	3.53	4.41	3.70	11.7	14.4
TF		51.00	47.2	2.04	4.56	0.685	3.87	3.55	4.56	3.64	12.2	16.0
TF		52.00	41.6	1.86	2.70	0.699	2.00	2.35	2.70	2.45	20.8	23.8
TF		53.00	38.4	1.66	3.72	0.713	3.00	2.77	3.72	3.04	12.8	16.5
TF		54.00	39.7	2.11	3.74	0.726	3.02	3.18	3.74	3.50	13.2	14.3
TF		55.00	76.4	2.32	4.90	0.740	4.16	4.18	4.90	4.42	18.3	20.8
TF		56.00	139.3	3.16	7.60	0.754	6.85	5.28	7.60	6.14	20.3	25.8
TF		57.00	297.0	3.90	13.01	0.768	12.24	5.37	13.01	5.50	24.3	62.8
TF		58.00	63.5	3.87	7.18	0.781	6.40	5.31	7.18	6.47	9.9	11.2
TF		59.00	82.6	3.94	7.68	0.795	6.88	5.39	7.68	7.24	12.0	12.8
TF		60.00	138.7	3.91	7.20	0.809	6.39	5.35	7.20	6.05	21.7	26.5
TF		61.00	145.9	2.93	8.32	0.823	7.49	5.35	8.32	6.81	19.5	24.4
TF		62.00	128.9	3.41	10.69	0.836	9.85	5.37	10.69	7.07	13.1	20.7
TF		63.00	120.8	3.97	8.46	0.850	7.61	5.42	8.46	7.27	15.9	18.8
TF		64.00	124.6	3.98	7.92	0.864	7.05	5.43	7.92	6.29	17.7	22.9
TF		65.00	214.2	4.00	7.94	0.878	7.06	5.44	7.94	5.97	30.3	42.1
TF		66.00	254.4	3.99	10.12	0.891	9.23	5.45	10.12	5.64	27.6	53.6
TF		67.00	118.2	4.00	8.69	0.905	7.79	5.46	8.69	7.65	15.2	17.5
TF		68.00	179.6	3.99	11.00	0.919	10.08	5.46	11.00	8.10	17.8	25.0
TF		69.00	224.0	3.52	15.73	0.932	14.79	5.49	15.73	6.79	15.1	38.2
TF		70.00	207.3	4.00	14.49	0.946	13.54	5.48	14.49	6.49	15.3	37.4

Sondage : MPM13

Sonde	Côte NGF (m)	Prof. (m)	Ex (MPa)	P1 (MPa)	P2 (MPa)	Po (MPa)	P1-Po (MPa)	Pmax (MPa)	P1 (i) (MPa)	P1 (h) (MPa)	E _x	
											P1 (i)-Po	P1 (h)-Po
TF		71.00	219.0	4.02	9.72	0.960	8.76	5.48	9.72	6.08	25.0	42.8
TF		72.00	170.2	3.02	11.01	0.974	10.03	5.46	11.01	7.57	27.0	25.8
TF		73.00	446.8	4.02	17.08	0.987	16.09	5.50	17.08	6.69	27.8	78.3
TF		74.00	250.0	3.04	8.52	1.001	7.52	5.47	8.52	5.98	33.3	50.2
TF		75.00	412.6	4.04	7.27	1.015	6.25	5.46	7.27	5.57	66.0	90.5
TF		76.00	274.0	4.03	7.55	1.029	6.52	5.47	7.55	5.93	42.1	56.1
TF		77.00	190.7	3.56	7.09	1.042	6.05	5.46	7.09	5.74	32.5	41.8
TF		78.00	221.6	4.05	6.85	1.056	5.80	5.46	6.85	5.64	38.2	48.4
TF		79.00	258.4	3.97	6.26	1.070	5.19	5.43	6.26	5.48	49.8	58.0
TF		80.00	275.0	3.58	6.94	1.084	5.85	5.49	6.94	5.64	47.0	60.4
TF		81.00	258.2	4.08	6.34	1.097	5.25	5.47	6.34	5.55	49.2	58.3
TF		82.00	219.6	4.09	6.82	1.111	5.71	5.51	6.82	5.78	38.5	47.0
TF		83.00	217.6	4.11	6.11	1.125	4.98	5.49	6.11	5.59	43.7	48.7
TF		84.00	196.3	3.13	5.75	1.138	4.62	4.99	5.75	5.12	42.5	49.5
TF		85.00	214.0	4.11	6.39	1.152	5.24	5.51	6.39	5.62	40.8	47.9
TF		86.00	180.4	3.60	6.26	1.166	5.10	5.47	6.26	5.56	35.4	41.1
TF		87.00	241.2	> 5.64	> 5.64	1.180	> 4.46	5.64				
TF		88.00	299.8	> 5.67	> 5.67	1.193	> 4.48	5.67				
TF		89.00	486.2	> 5.70	> 5.70	1.207	> 4.50	5.70				
TF		90.00	184.3	3.73	7.82	1.221	6.59	5.65	7.82	5.96	27.9	38.9
TF		91.00	304.1	> 5.69	> 5.69	1.235	> 4.46	5.69				
TF		92.00	218.8	3.71	9.25	1.248	8.00	5.66	9.25	6.49	27.4	42.8
TF		93.00	239.5	4.21	10.50	1.262	9.24	5.68	10.50	6.77	25.9	43.5
TF		94.00	423.8	> 5.71	> 5.71	1.276	> 4.43	5.71				
TF		95.00	456.9	> 5.71	> 5.71	1.290	> 4.42	5.71				
TF		96.00	367.5	4.72	17.01	1.303	15.70	5.71	17.01	7.06	23.4	63.8
TF		97.00	375.7	4.72	13.69	1.317	12.37	5.70	13.69	6.05	30.4	79.4
TF		98.00	377.1	> 5.72	> 5.72	1.331	> 4.39	5.72				
TF		99.00	424.4	> 5.76	> 5.76	1.344	> 4.41	5.76				

A2. Interpreted ground response curves

AFFAIRE N°: ML.100119	ESSAI PRESSIOMETRIQUE (NFP 94-110)
Affaire: SOIL MECHANICS - SIMPWEIL C	
FONDASOL 29C rue des Galcubois BP 765 84140 MONTAVET	Programme: W-Pressio Version : 1.1 Fichier : P5-p13 Dernière mise à jour: 21/12/2010 17:00:59



AFFAIRE N°: ML.100119

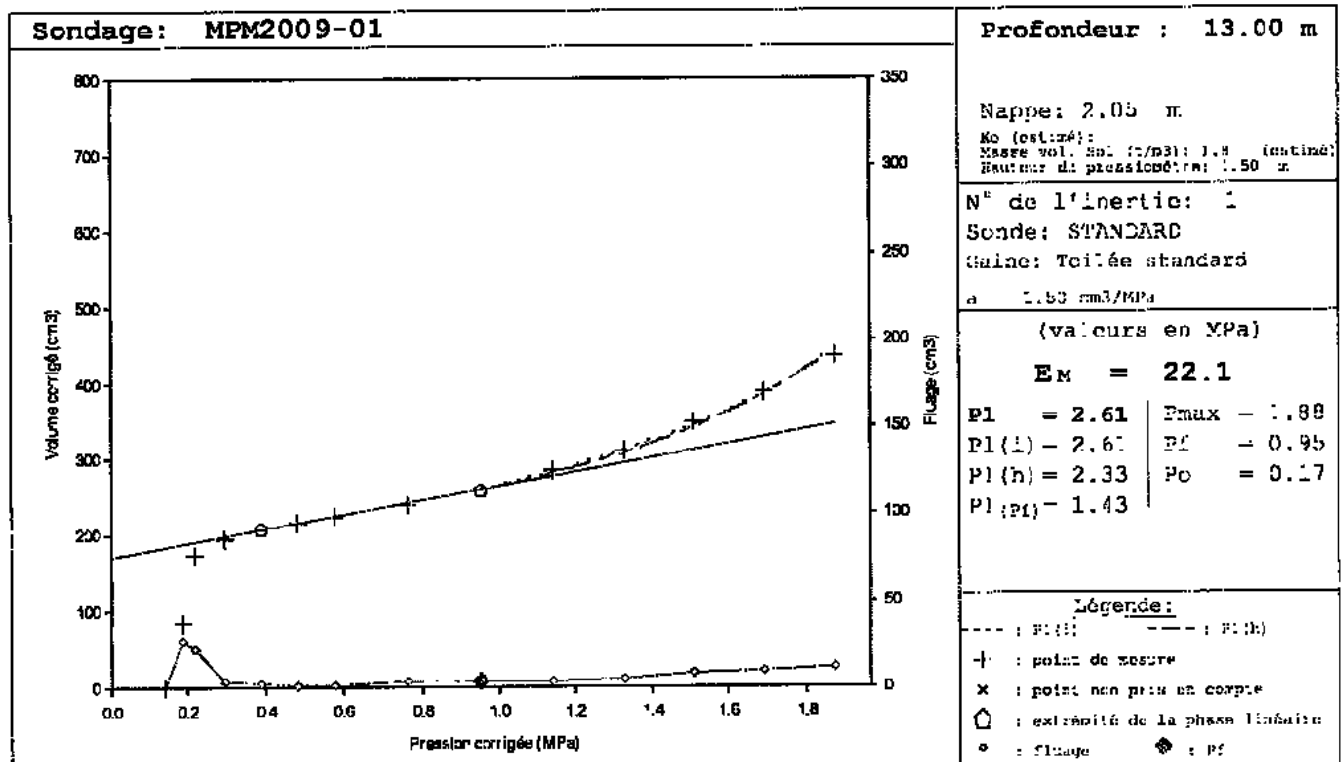
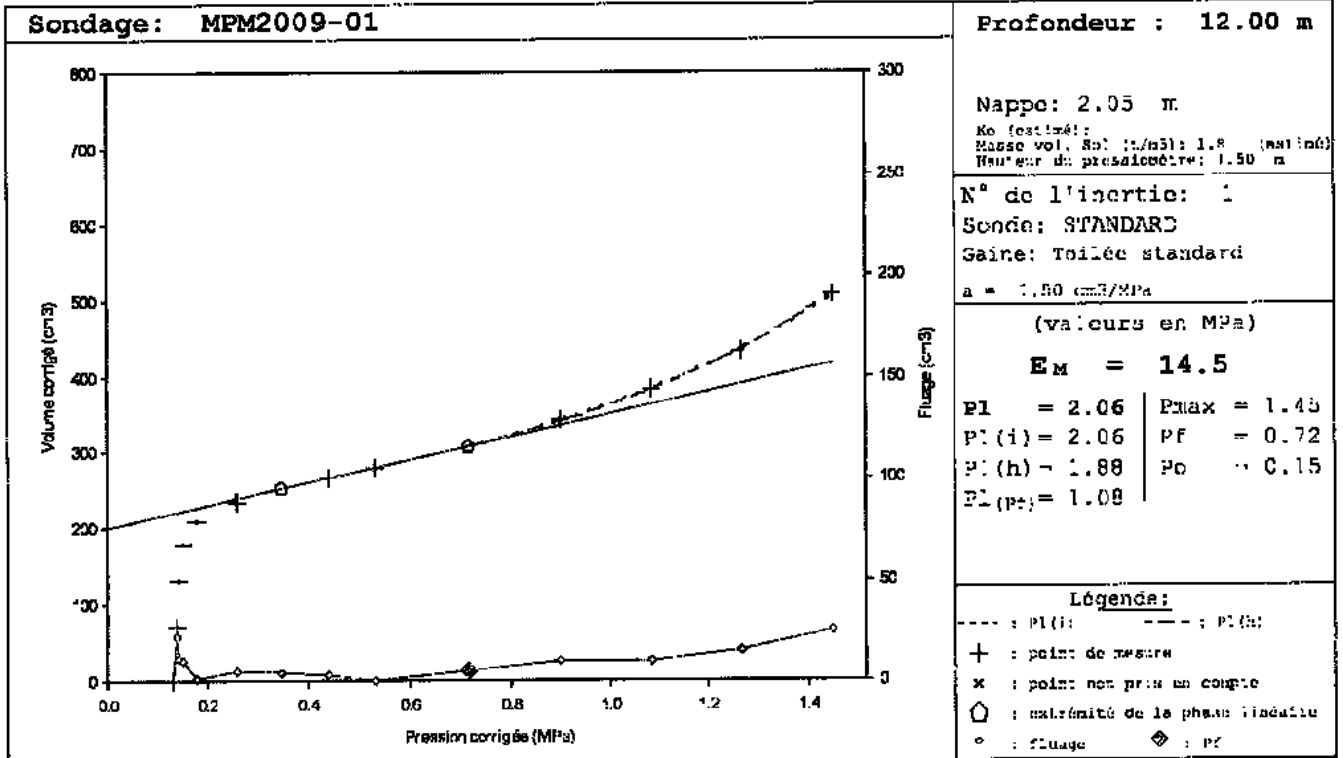
ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - STZEWELL C

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
RP 765
B4140 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50



AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

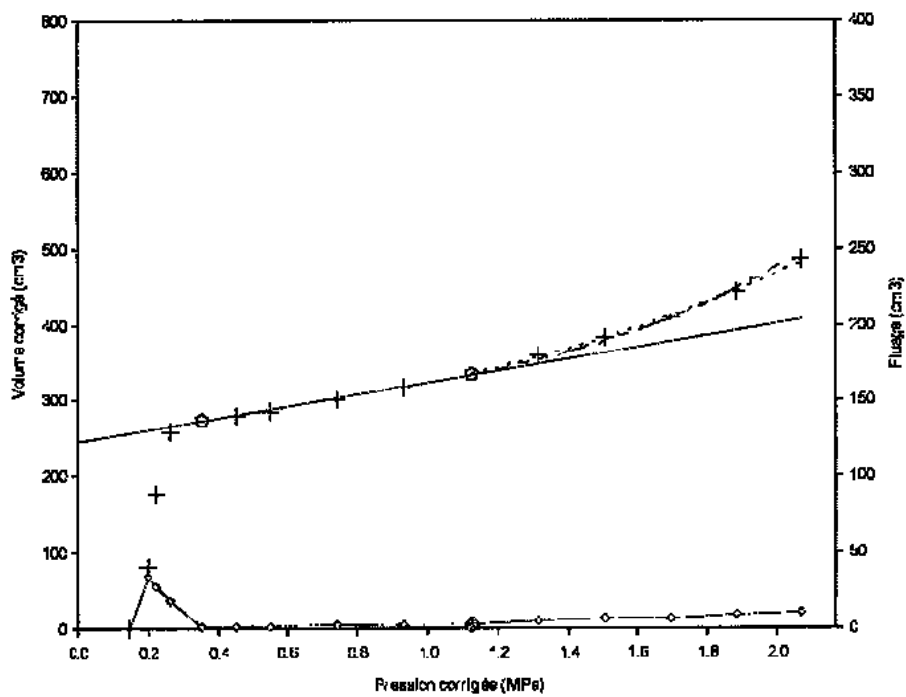
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
9P 765
84140 MONTFAVET

Fichier : P9-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 14.00 m



Nappe: 2.05 m
Ka (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

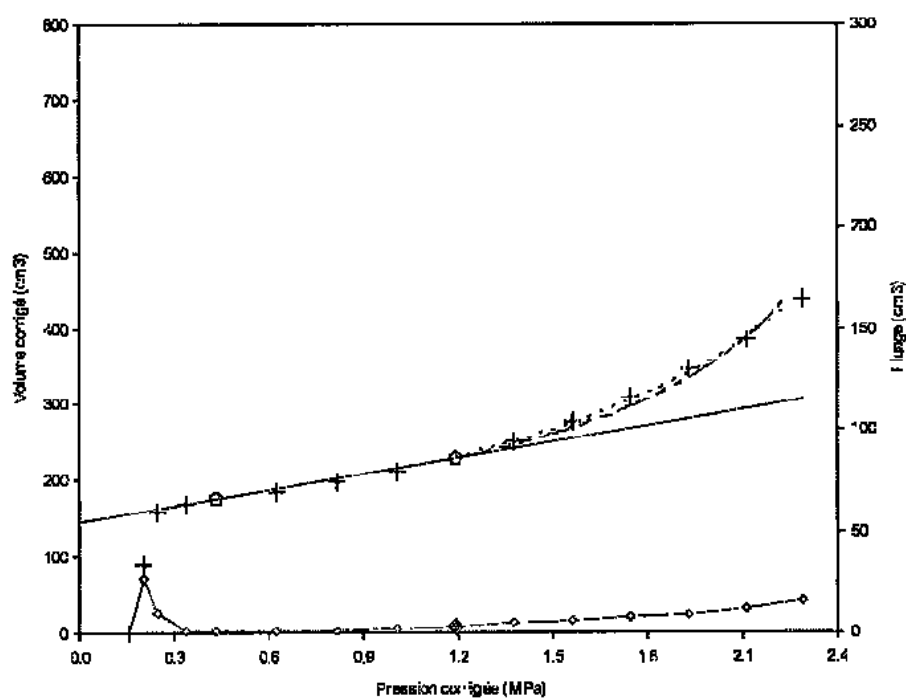
N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée standard
a = 1.50 cm³/MPa

(valeurs en MPa)
EM = 28.7
Pl = 3.25 | Pmax = 2.07
Pl(i) = 3.25 | Pf = 1.13
Pl(h) = 2.69 | Po = 0.18
Pl(pf) = 1.69

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM2009-01

Profondeur : 15.00 m



Nappe: 2.05 m
Ka (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée standard
a = 1.50 cm³/MPa

(valeurs en MPa)
EM = 28.2
Pl = 2.89 | Pmax = 2.30
Pl(i) = 2.89 | Pf = 1.19
Pl(h) = 2.59 | Po = 0.20
Pl(pf) = 1.79

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N° : ML.100119

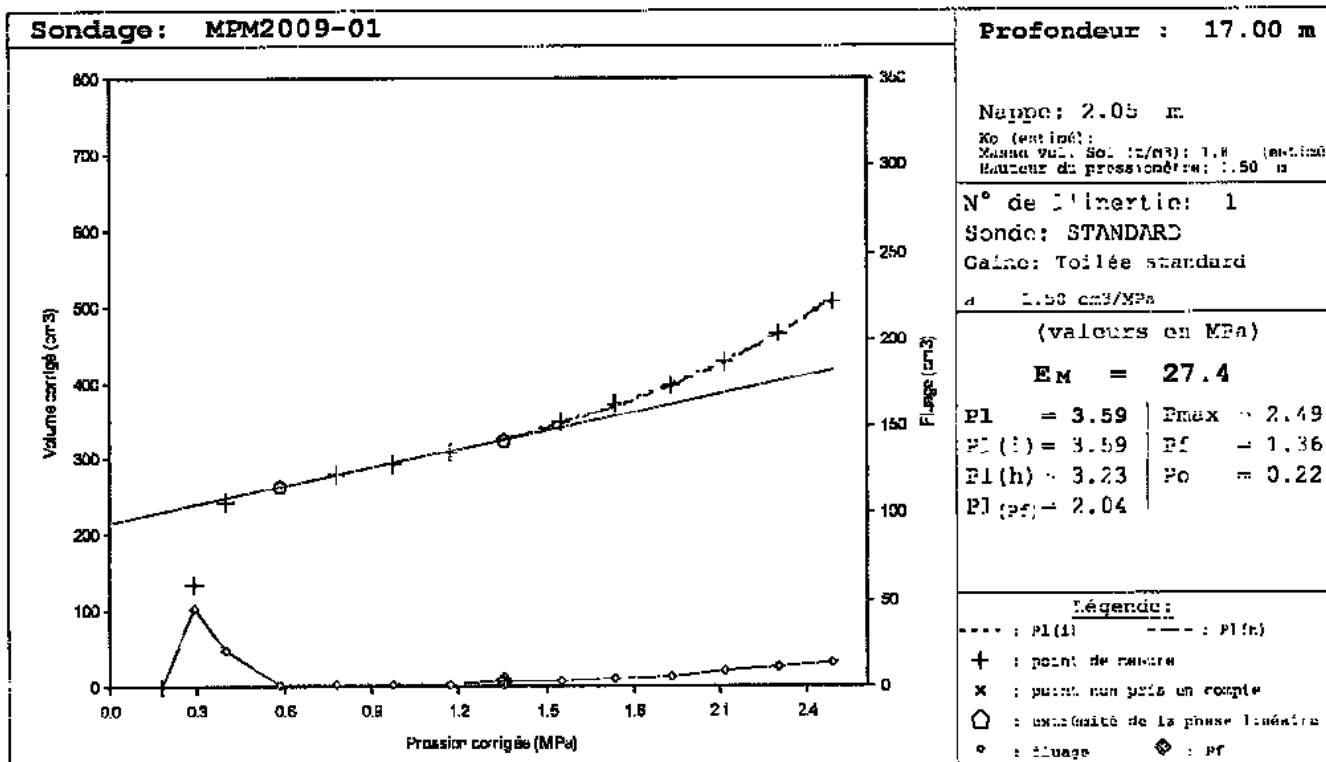
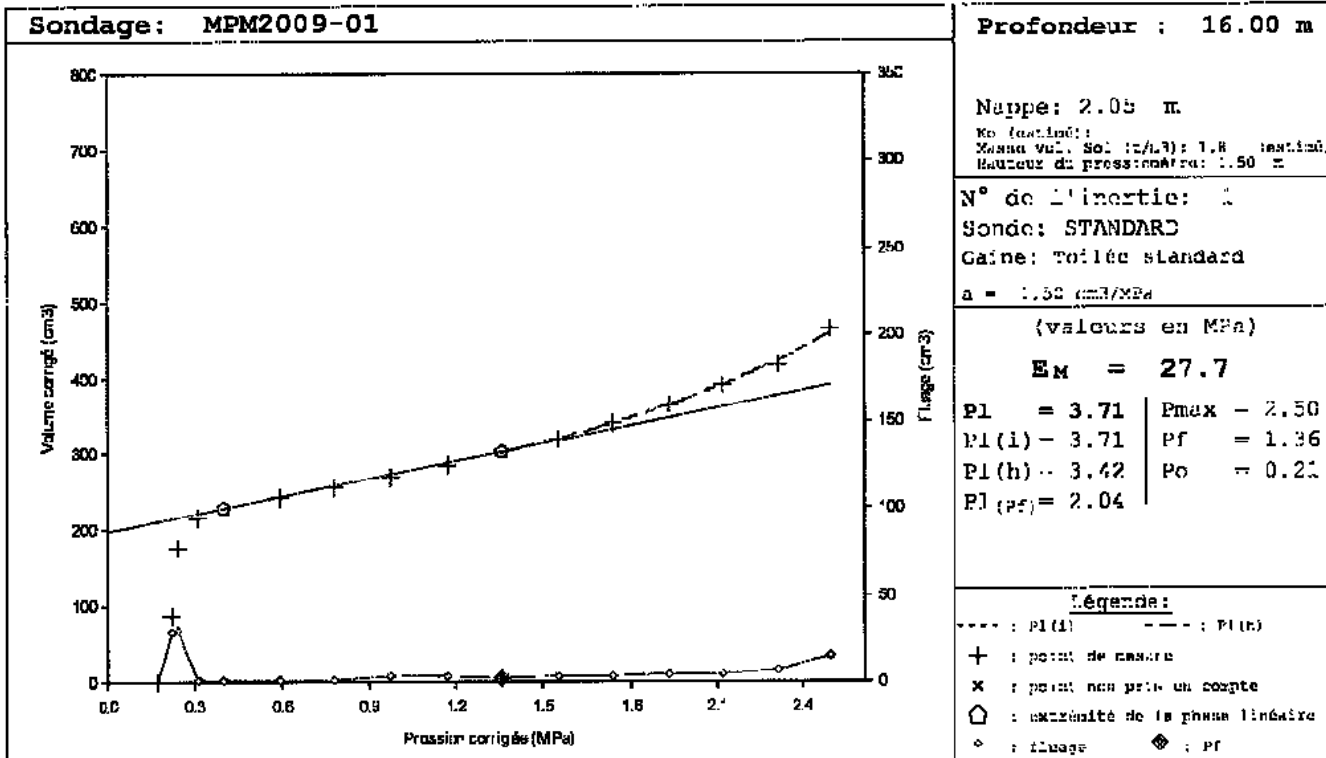
ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - STZEWELL C

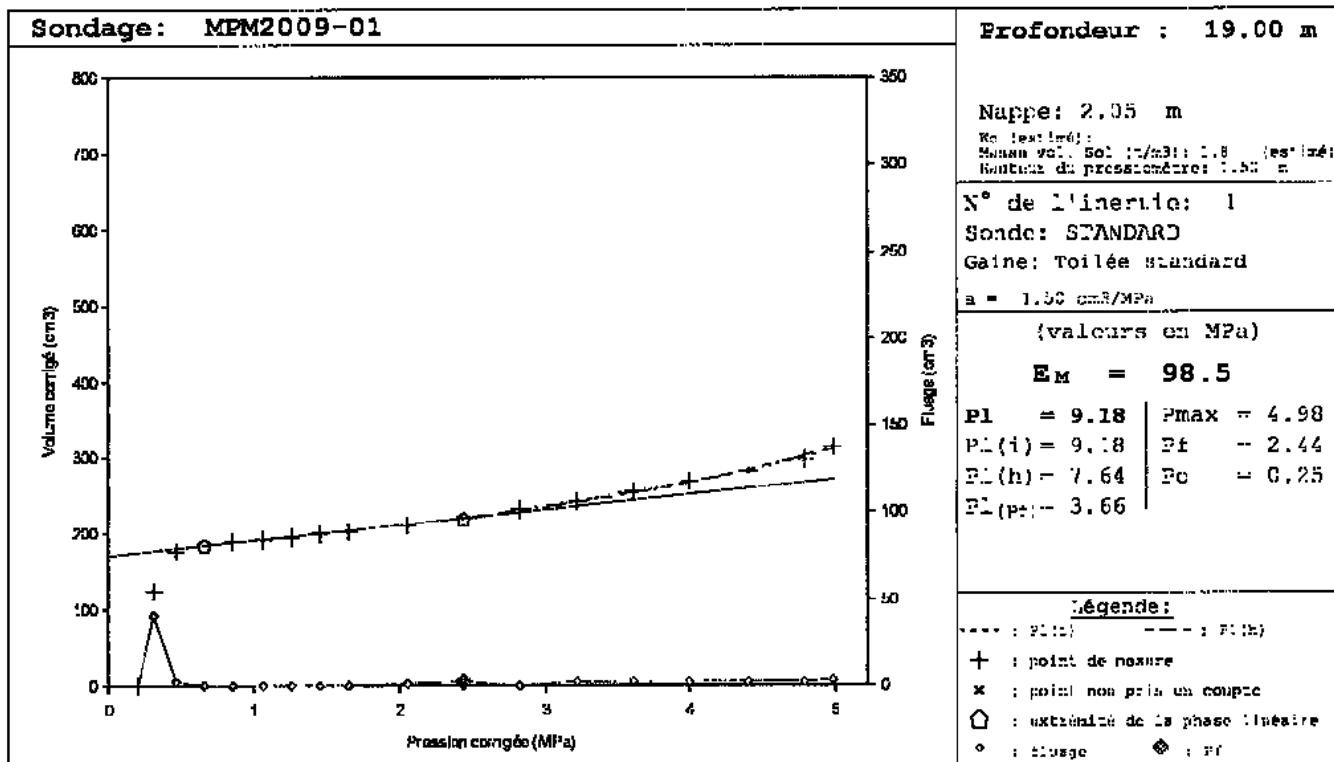
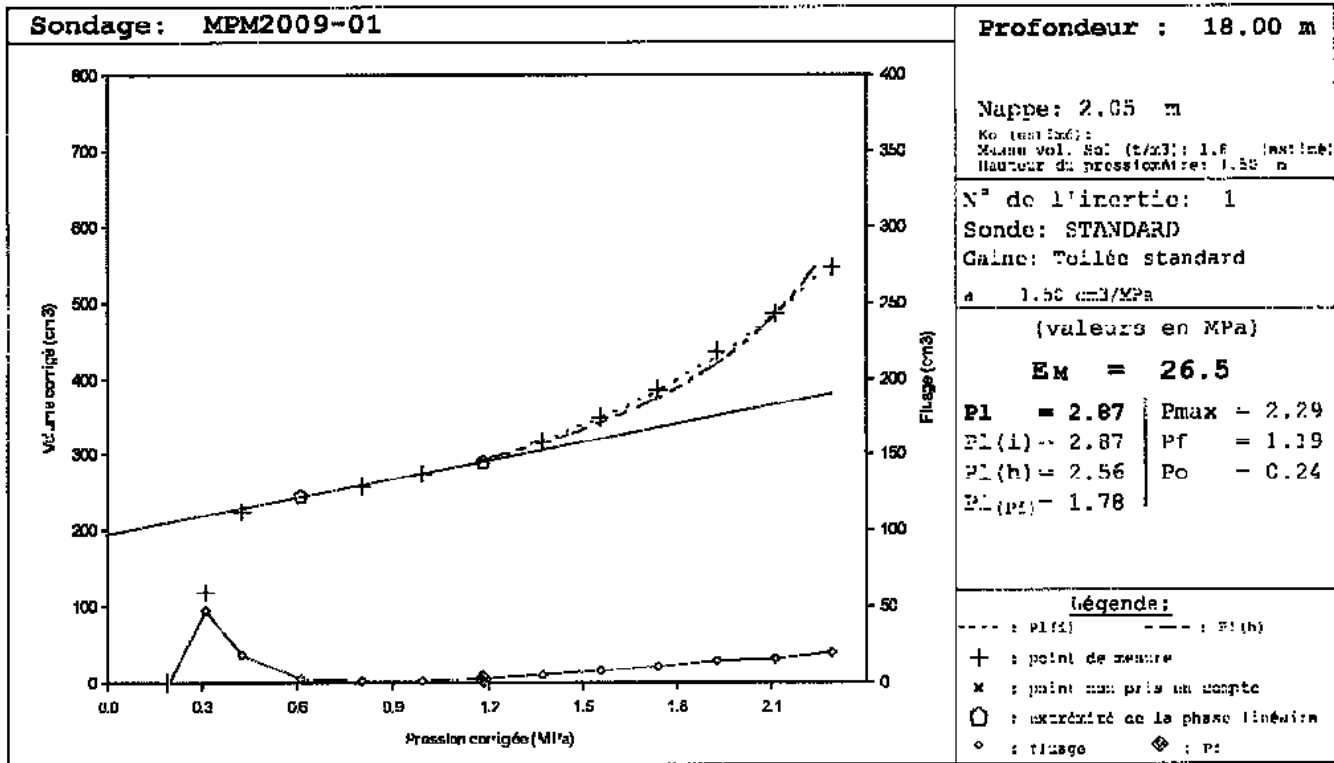
Programme: W-Pressio
Version : 1.1

SONDASOI
290 rue des Galoubets
BP 765
84140 MONTEVALET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50



AFFAIRE N°: ML.100119	ESSAI PRESSIOMETRIQUE (NFP 94-110)
Affaire: SOIL MECHANICS - SIZEWELL C	
FONDASOL 290 rue des Galoubets BP 765 84140 MONTFAVET	Programme: W-Pressio Version : 1.1 Fichier : P5-p13 Dernière mise à jour: 21/12/2010 17:00:50



AFFAIRE N°: ML.100119

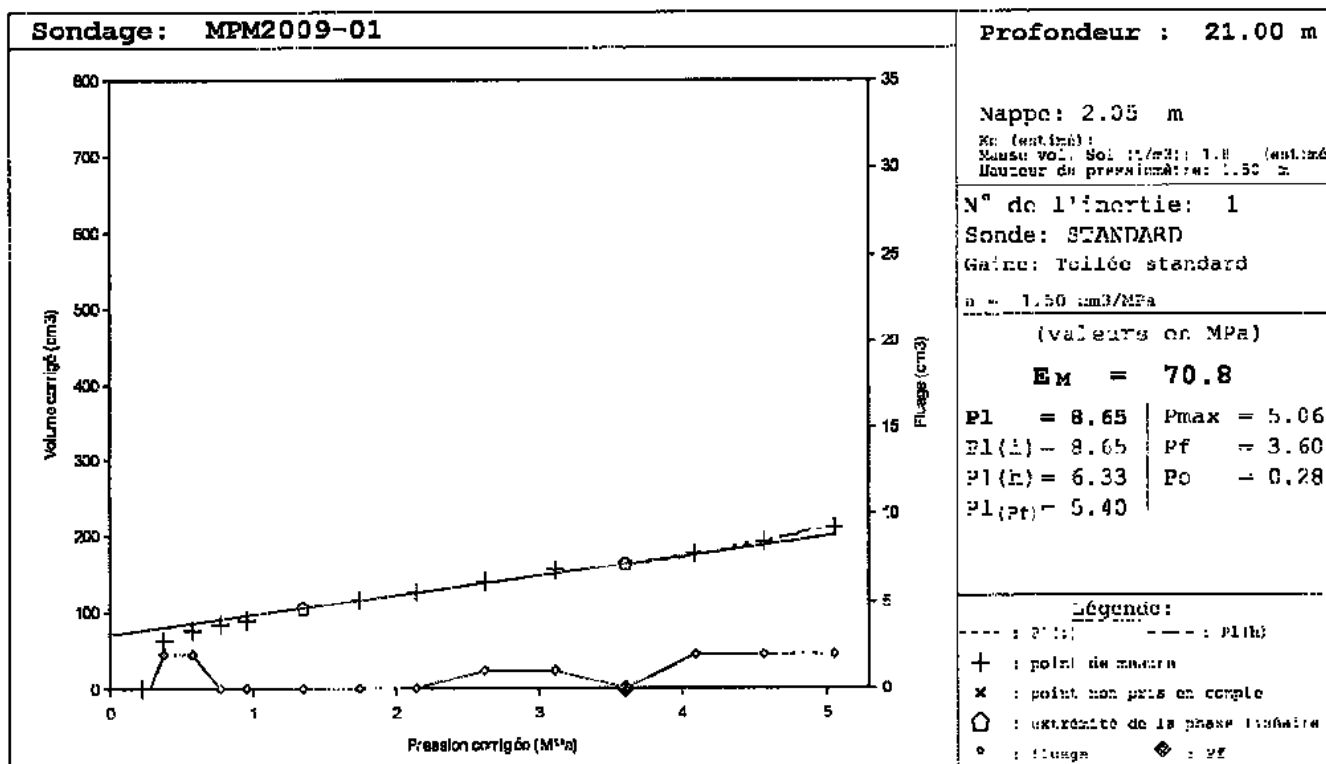
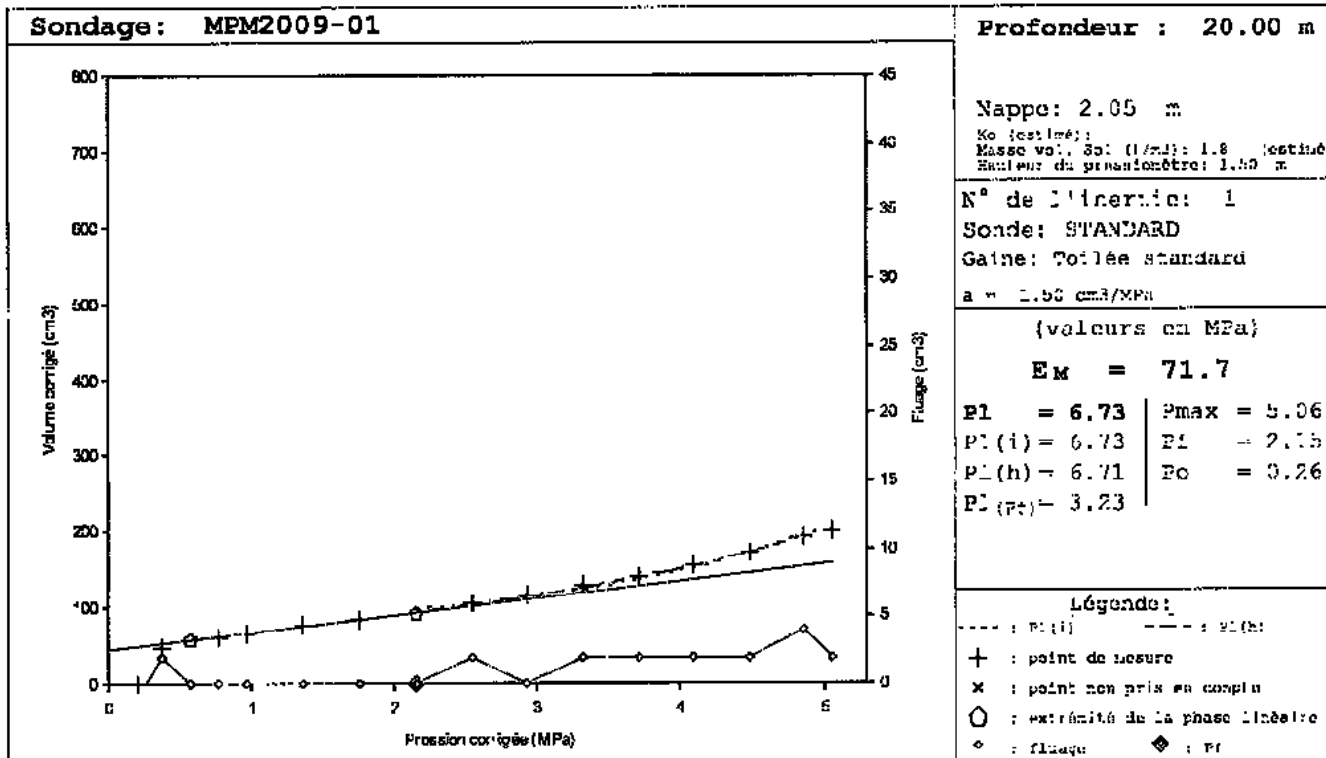
ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOLL. MECHANICS - SIZEFIELD C

Programme: W-Pressio
Version : 2.1

SONDASOL
290 rue des Galoubets
BP 763
84140 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50



AFFAIRE N°: ML.100119

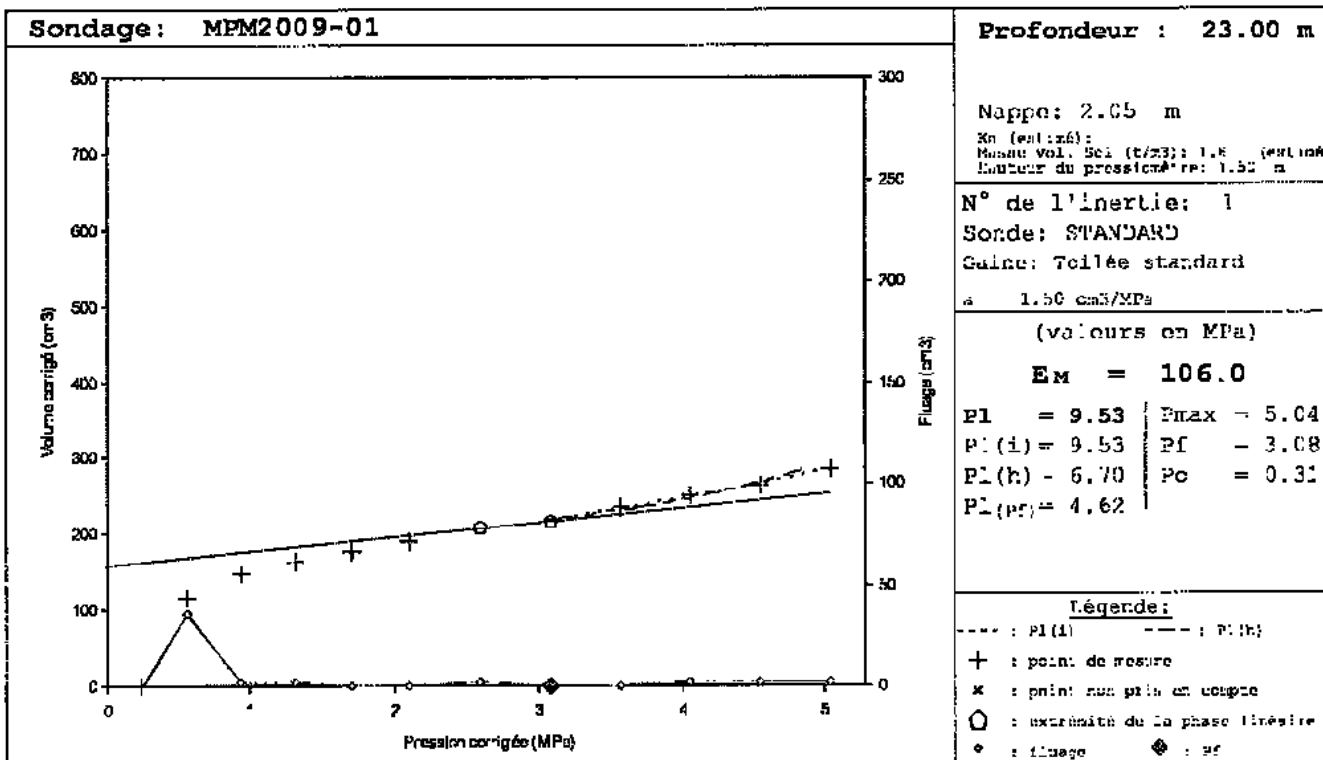
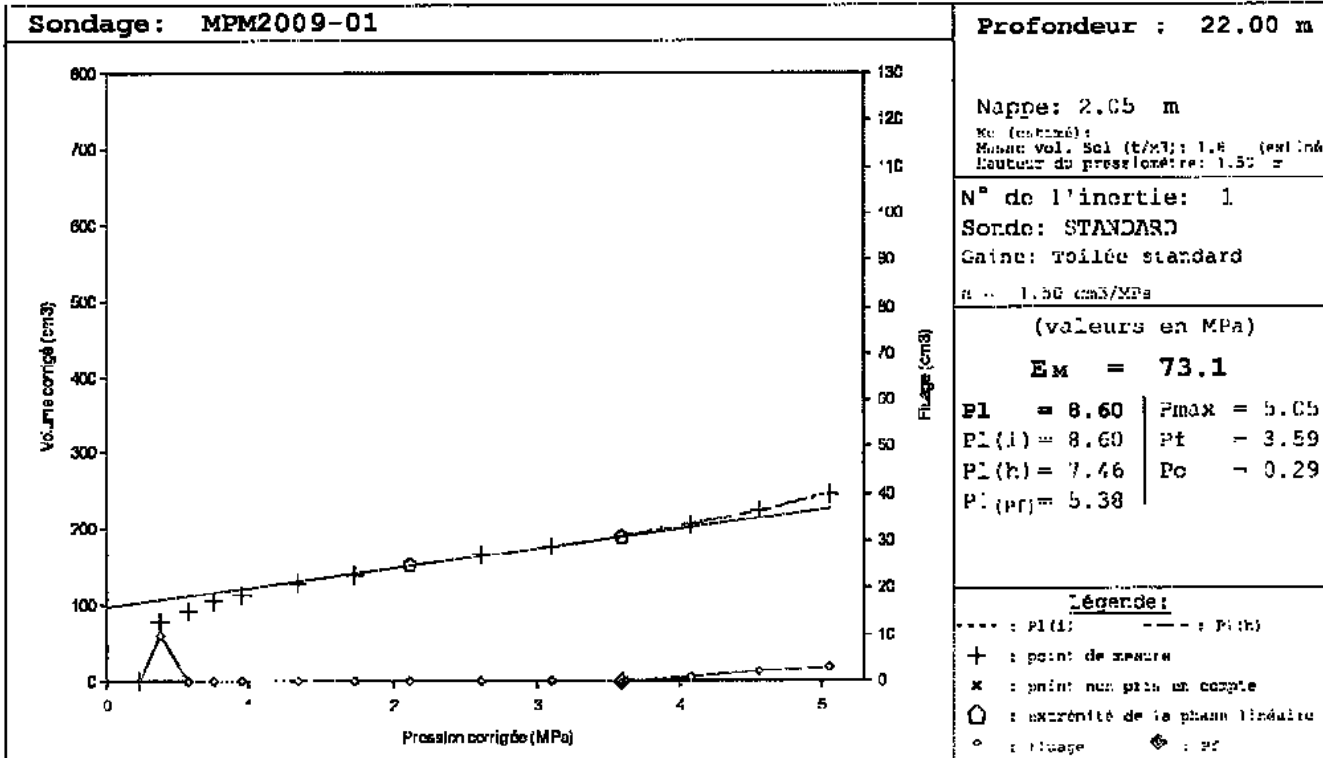
ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIEMWELL C

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTEVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50



AFFAIRE N°: ML.100119

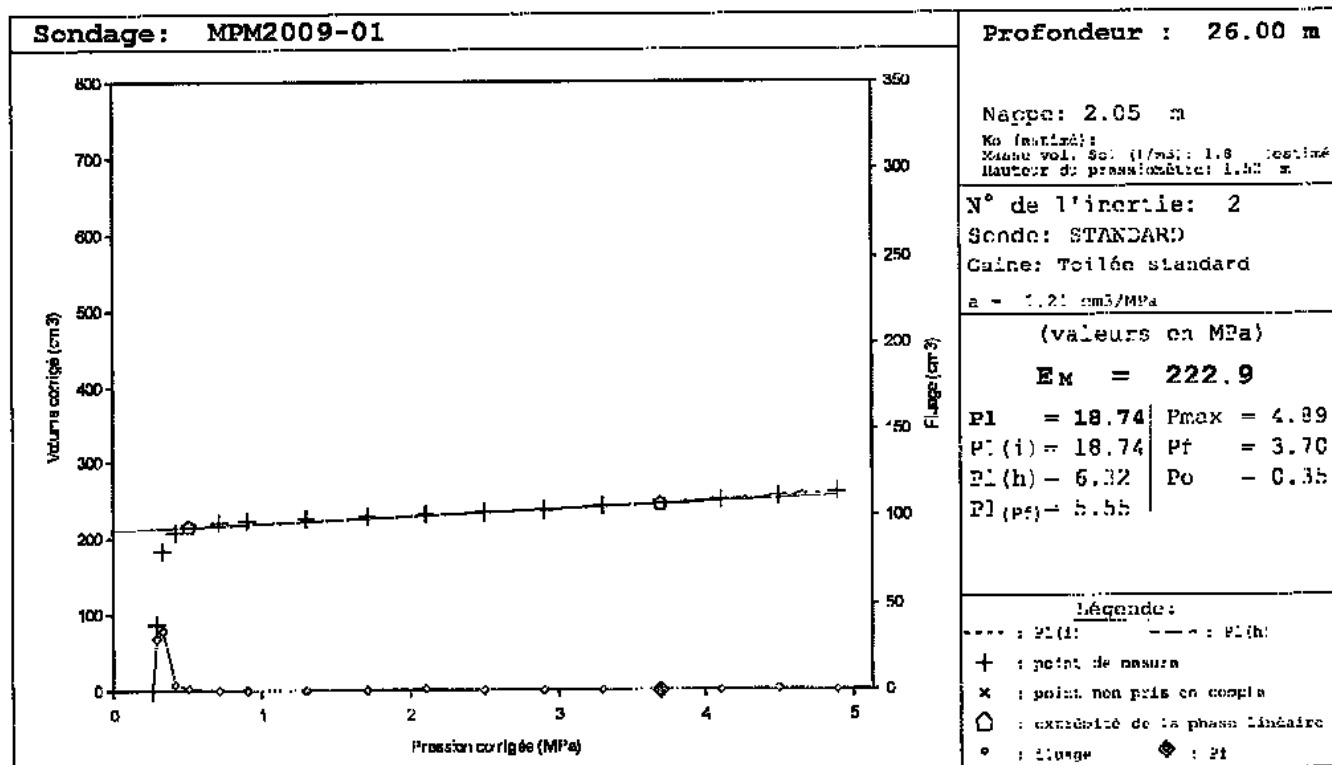
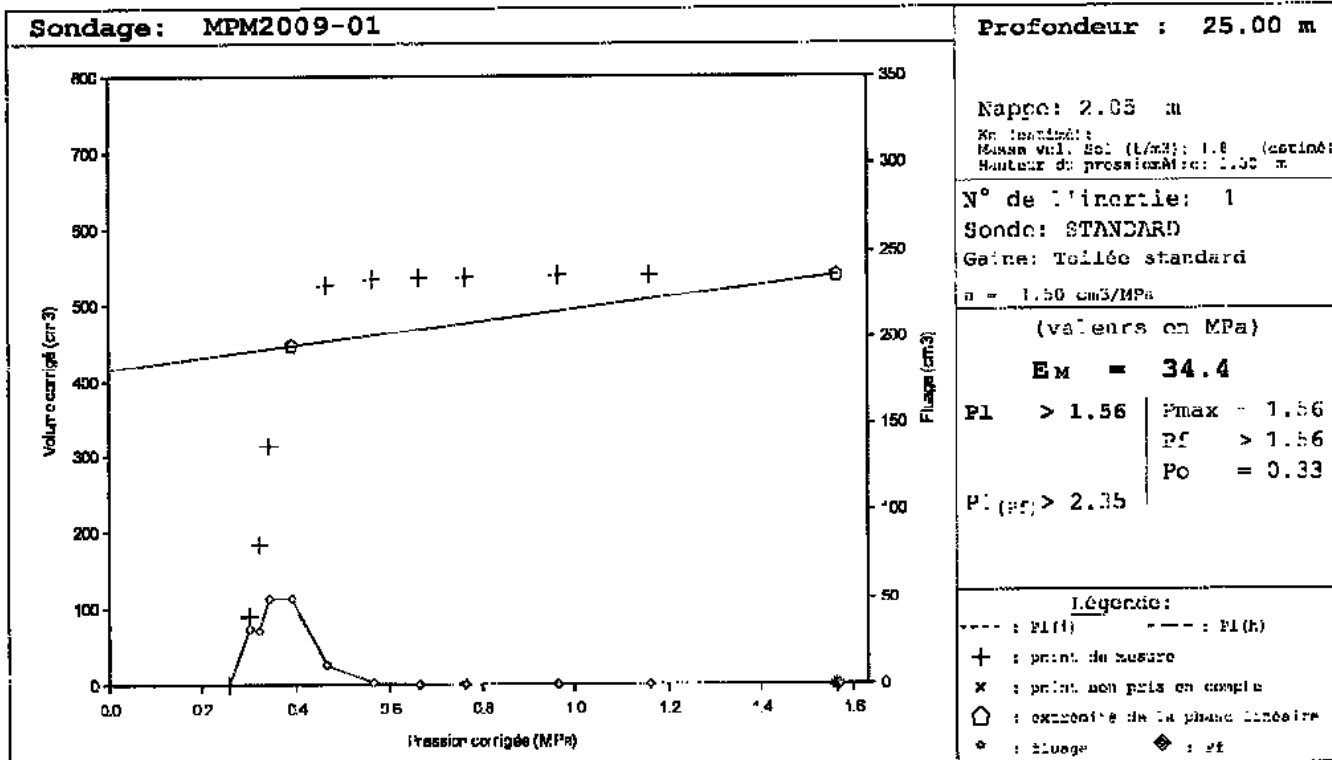
ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZENELL C

Programme: W-PRESSIO
Version : 1.1

FCNDASCO
299 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P5-pl3
Dernière mise à jour:
27/12/2010 17:00:50



AFFAIRE N° : ML.100119

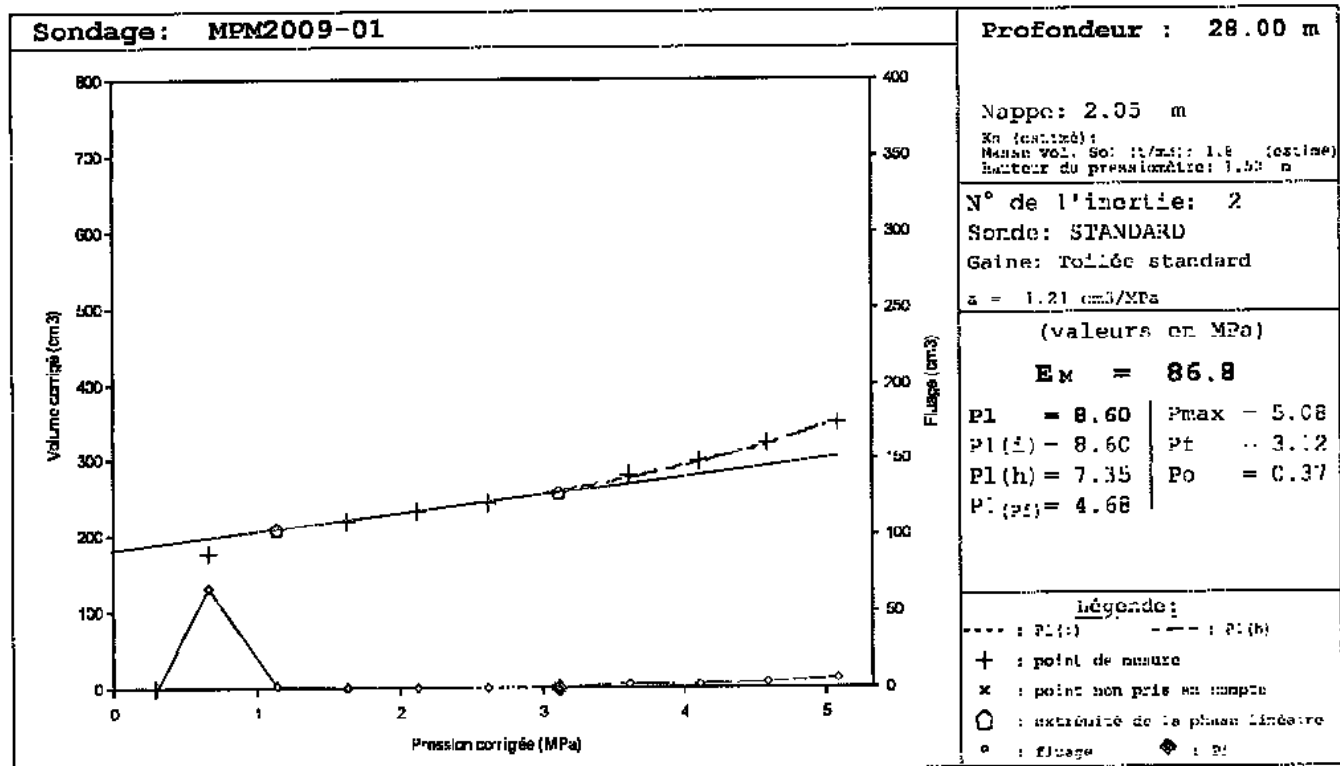
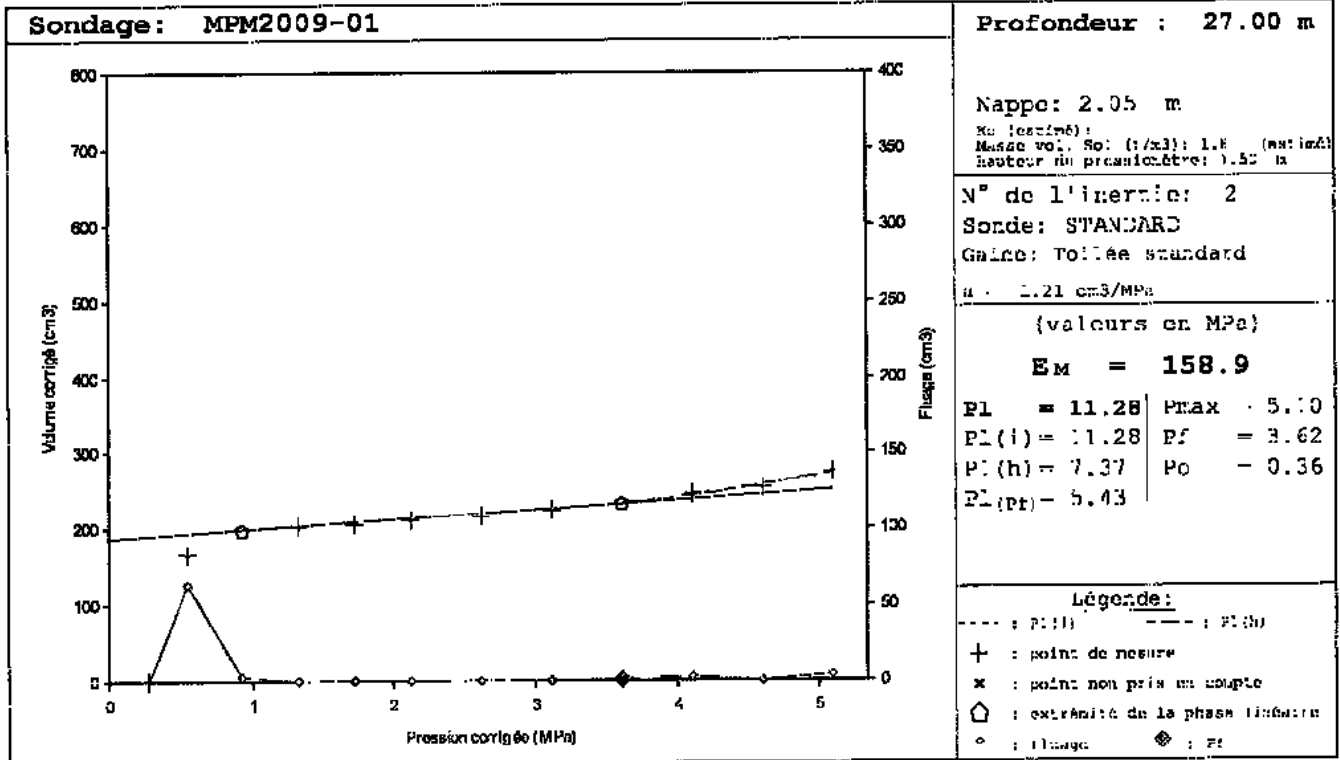
ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOLI MECHANICS - SIZEWELL C

Programme: W-Pressio
Version : 1.1

FONDASOL
29C rue des Galombets
BP 765
84140 MONTFAVET

Fichier : P5-pl3
Dernière mise à jour:
21/12/2010 17:00:50



AFFAIRE N°: ML.100119

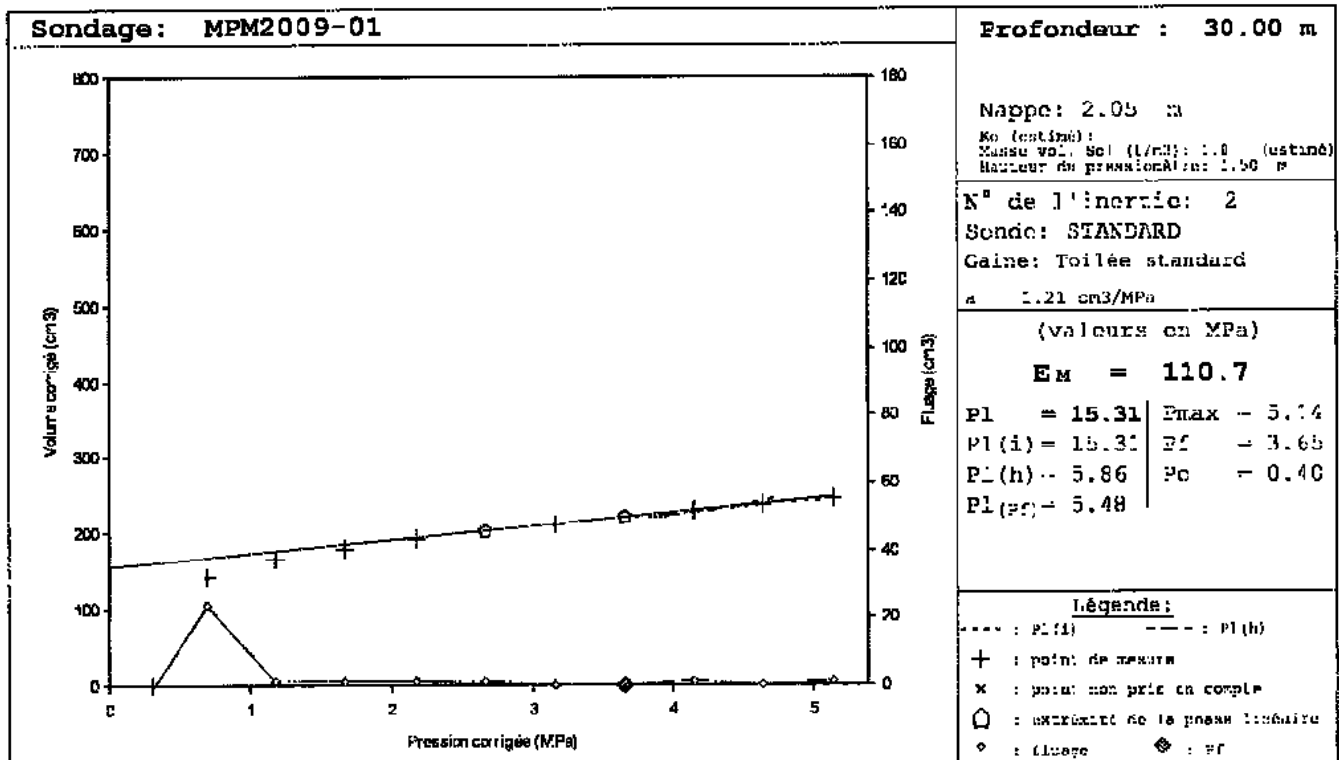
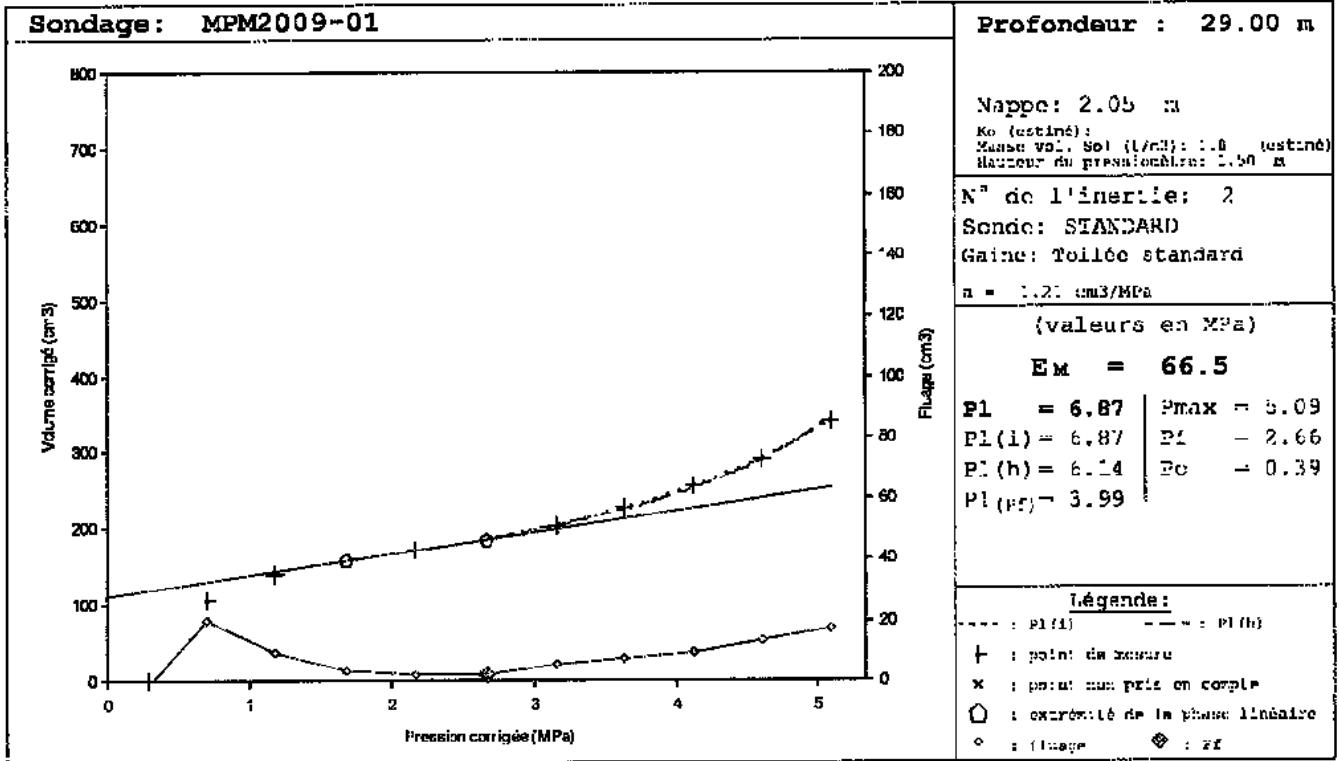
ESSAI PRESSIOMETRIQUE (NEP 94-110)

Affaire: SOIL MECHANICS - STZFWELD C

Programme: W-Pressio
Version : 1.1

SONIASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50



AFFAIRE N° : ML.100119

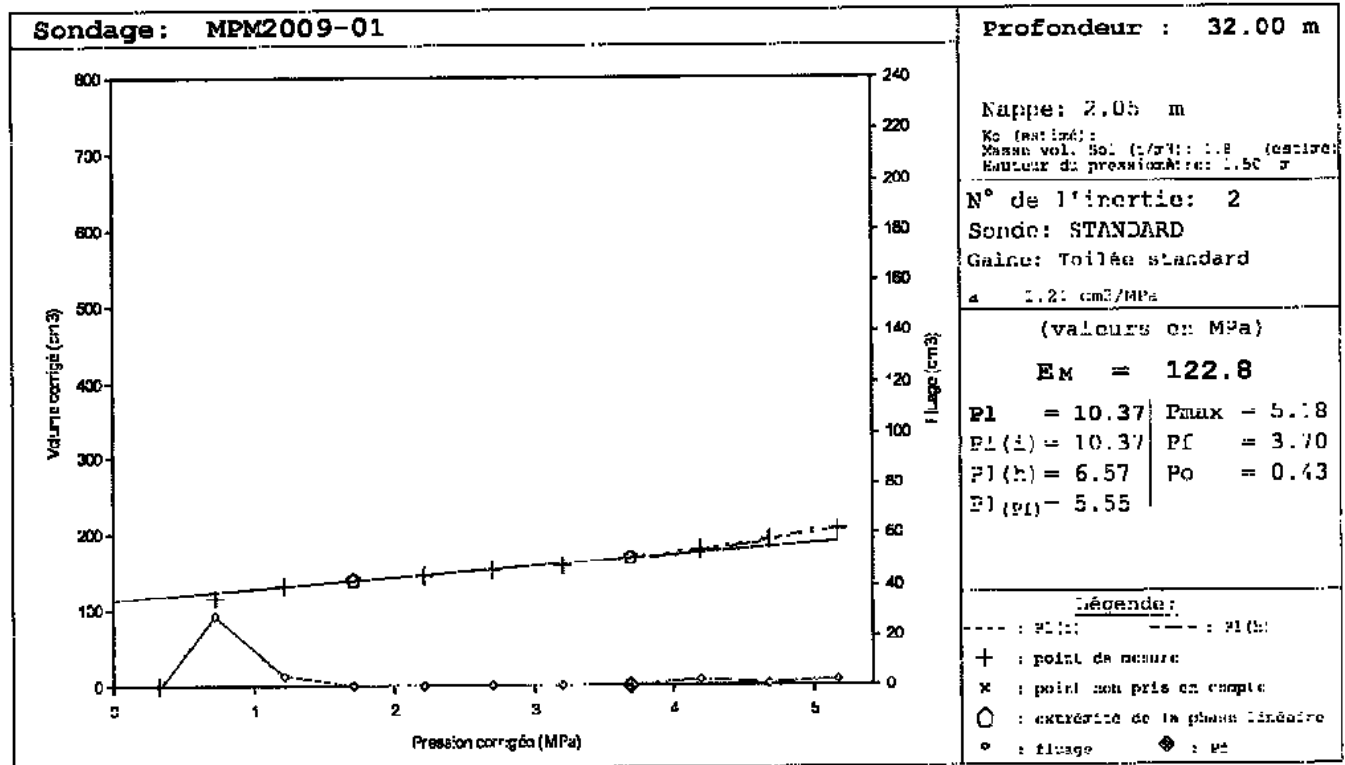
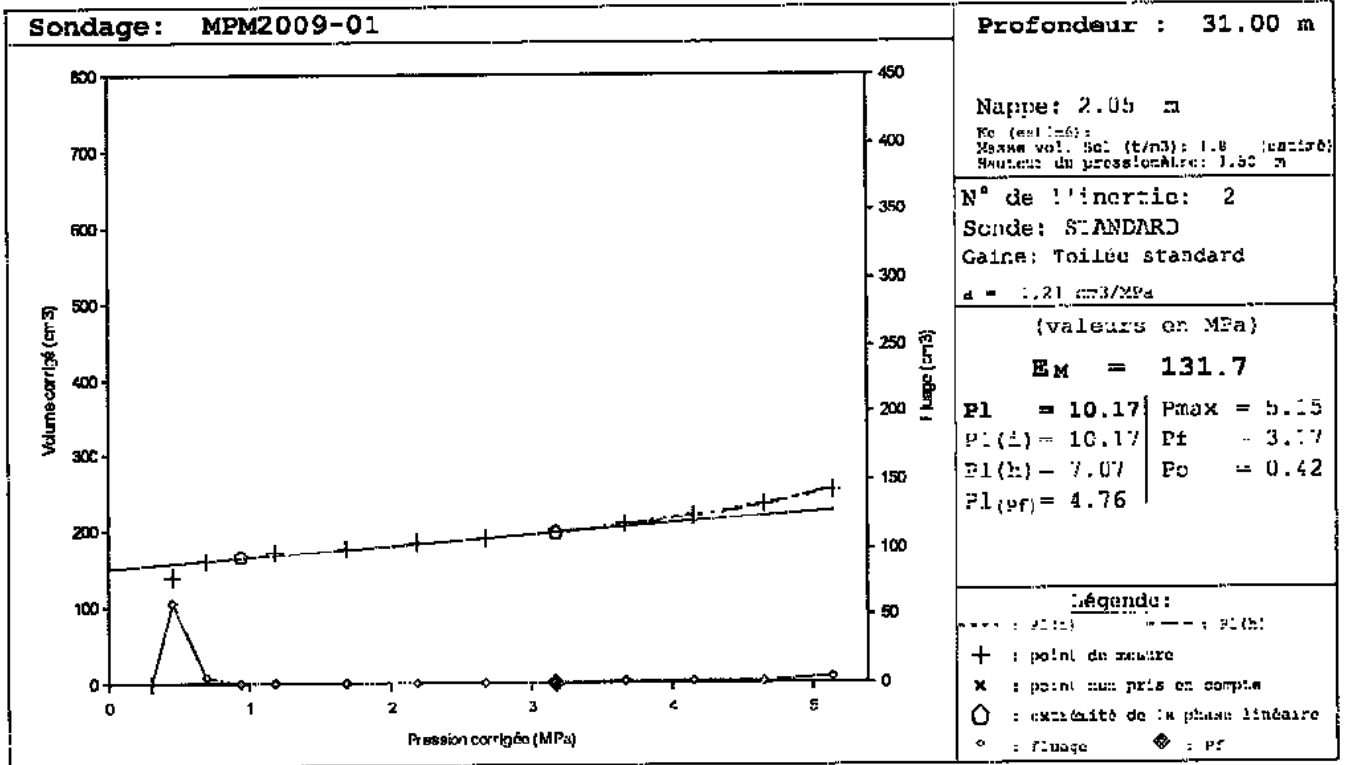
ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIKHWELL C

Programme: W-Pressio
Version : 1.1

FONDASOL,
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P5-pi3
Dernière mise à jour:
21/12/2010 17:00:50



AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

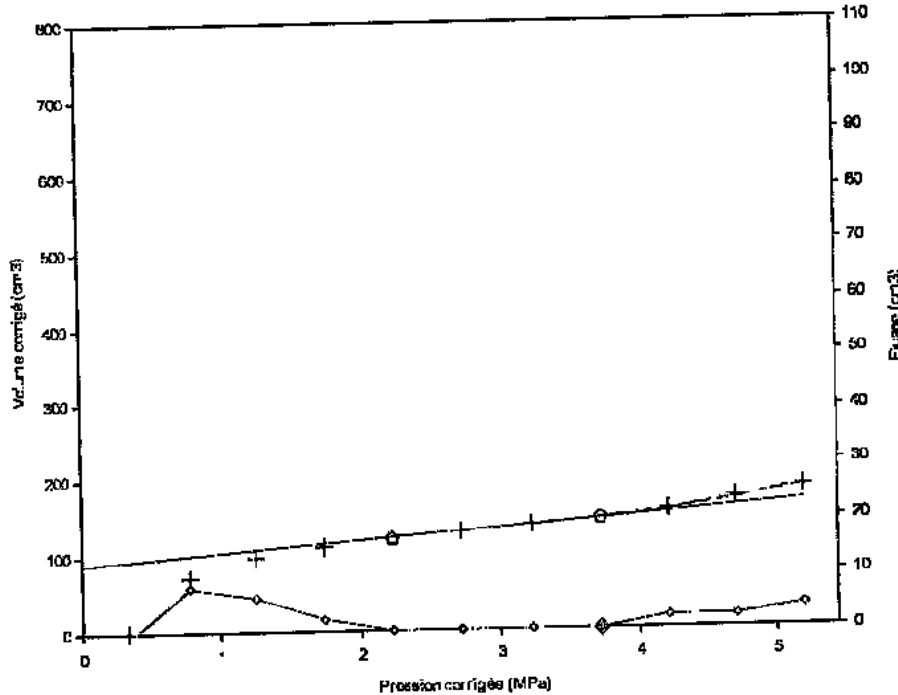
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galuchets
BP 765
84140 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 33.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée standard
 $\alpha = 1.21 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_m = 119.1

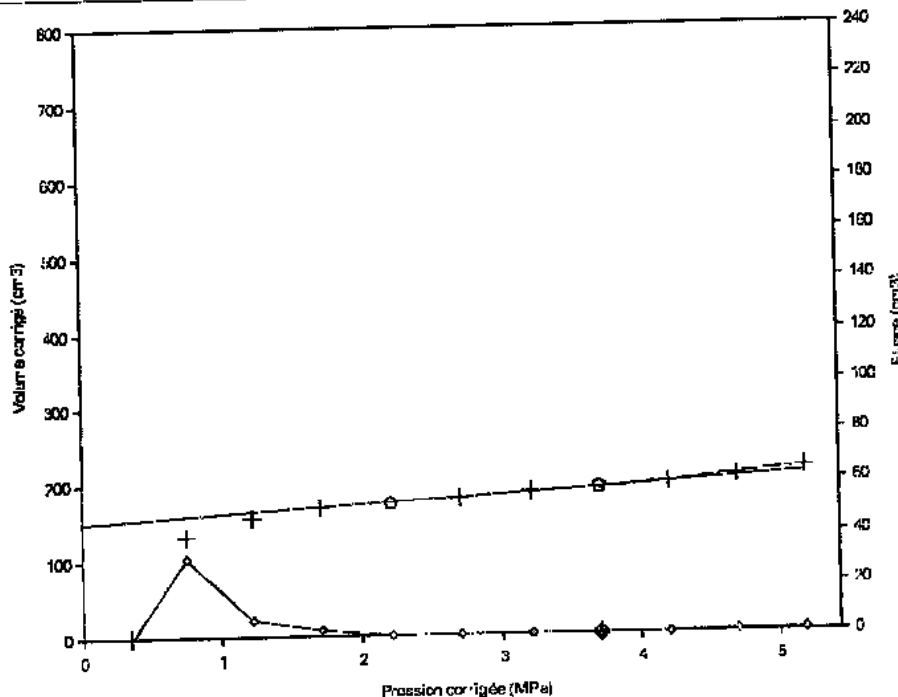
P1 = 9.13	Pmax = 5.20
E1 (i) = 9.13	Pf = 3.72
P1 (h) = 6.69	Pc = 0.44
E1 (pr) = 5.58	

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : P1

Sondage: MPM2009-01

Profondeur : 34.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée standard
 $\alpha = 1.21 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

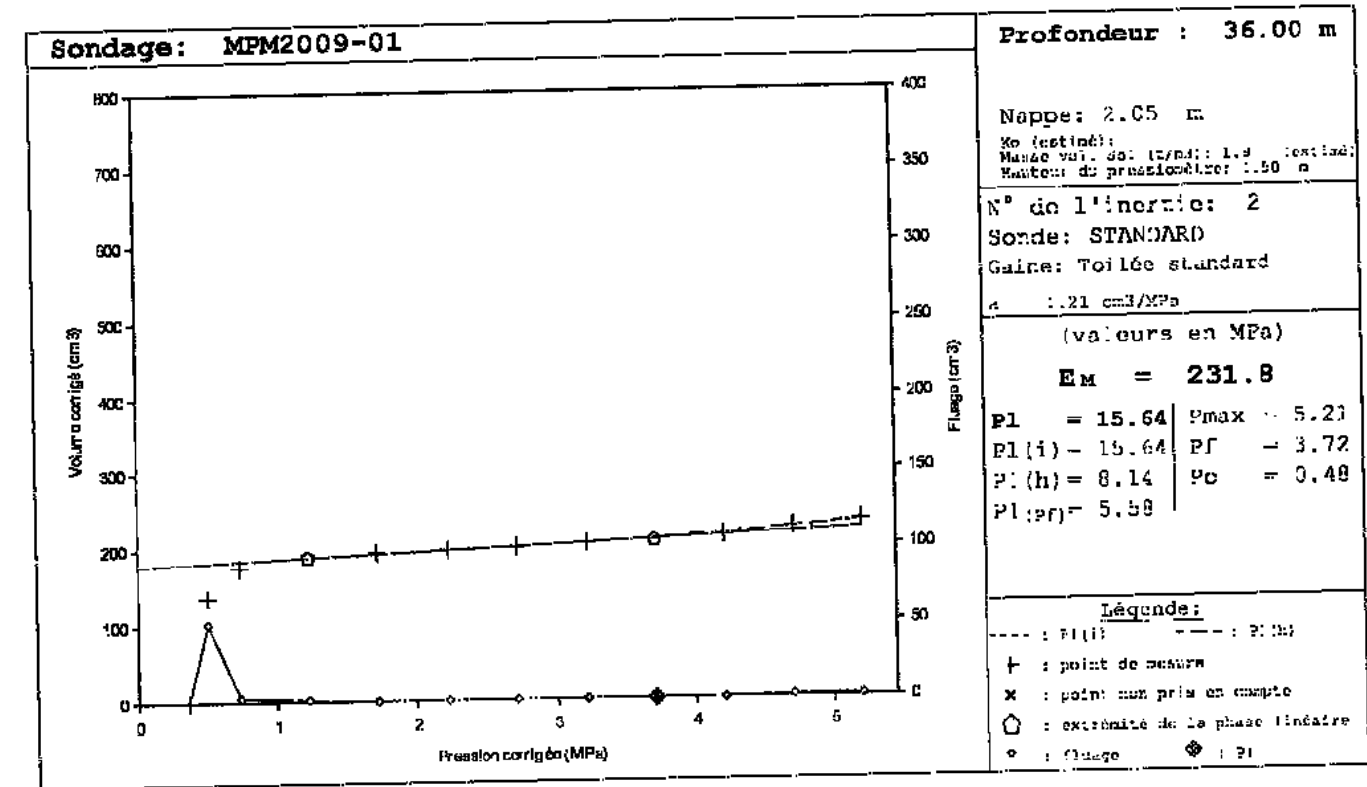
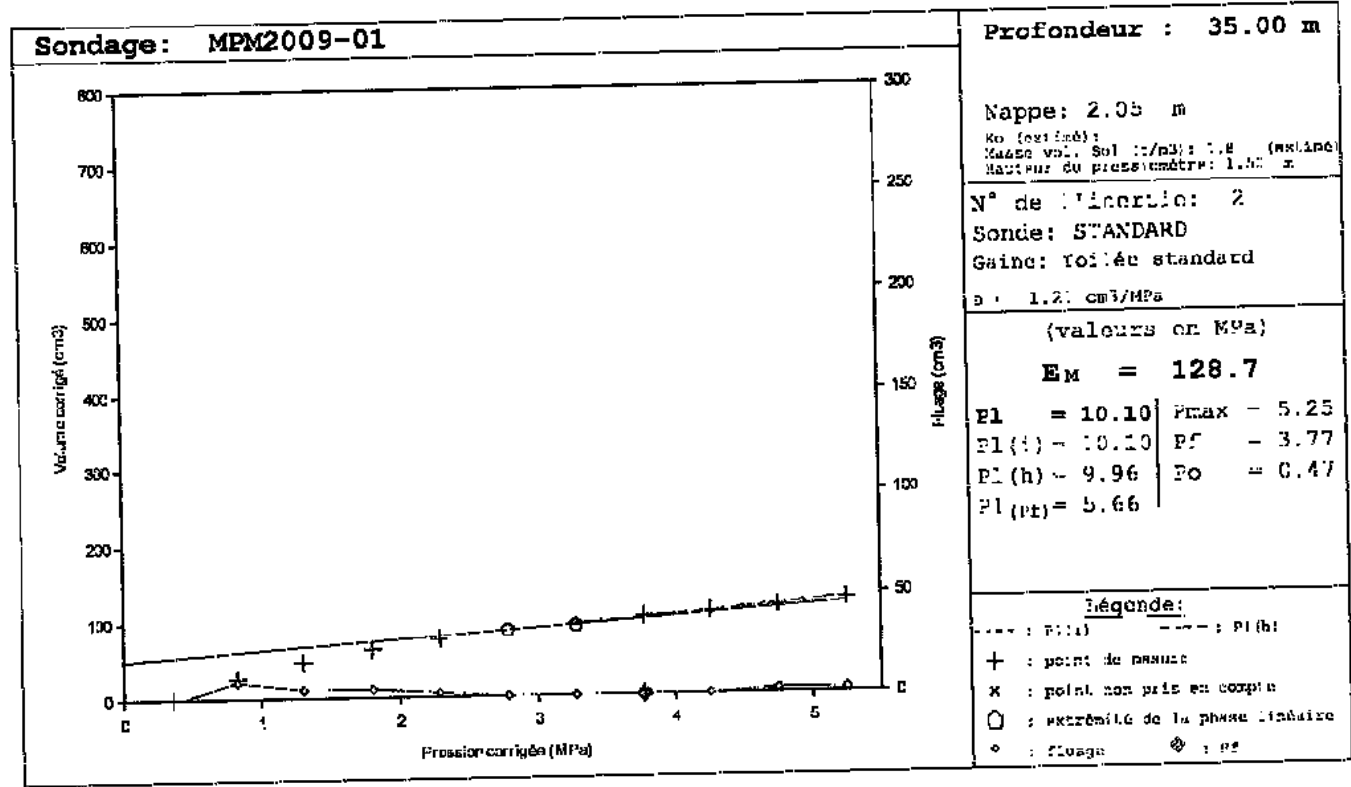
E_m = 176.1

P1 = 13.98	Pmax = 5.19
P1 (i) = 13.98	Pf = 3.71
P1 (h) = 8.85	Pc = 0.46
P1 (pr) = 5.56	

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : P1

AFFAIRE N°: ML.100119	ESSAI PRESSIOMETRIQUE (NFP 94-110)
Affaire: SOIL MECHANICS - SIZEWELL C	
FONDASOL 290 rue des Galoubets BP 765 84140 MONTFAVET	Programme: W-Pressio Version : 1.1 Fichier : PS-pl3 Dernière mise à jour: 21/12/2010 17:00:50



AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

Programme: N-Pressio
Version : 1.1

FONDASOL
296 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 37.00 m

Nappe: 2.05 m

K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du piezomètre: 1.50 m

N° de l'inertie: 2

Sonde: STANDARD

Gaine: Toilée standard

a 1.21 cm³/MPa

(valeurs en MPa)

E_m = 162.6

P₁ = 11.69 P_{max} = 5.22

P₁(t) = 11.69 P_f = 3.74

P₁(h) = 6.80 P_o = 0.50

P₁(pr) = 5.60

Légende:

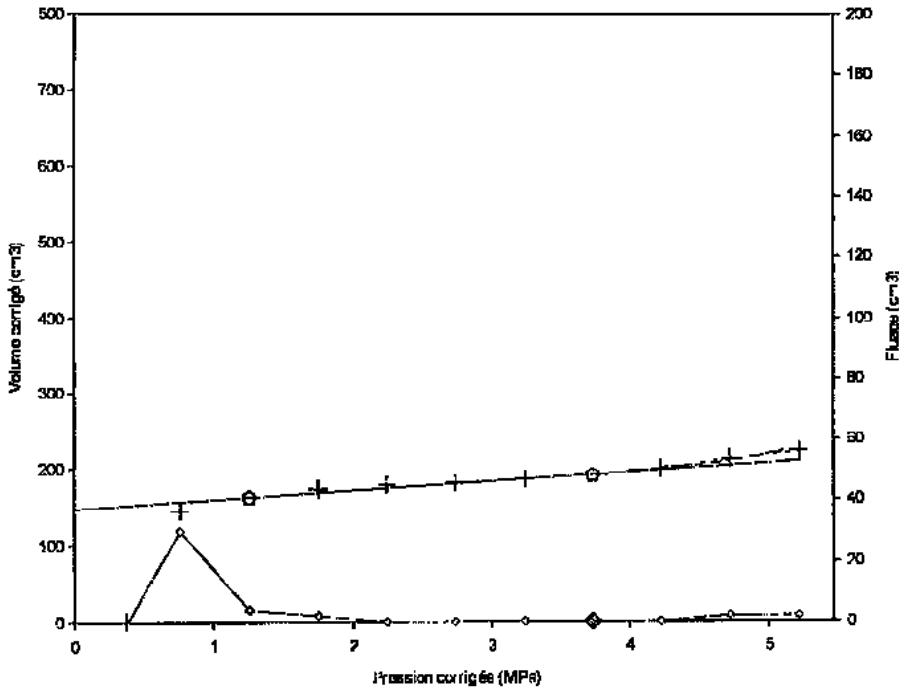
--- : P₁(t) - - - : P₁(h)

+ : point de mesure

x : point non pris en compte

○ : extrémité de la phase linéaire

◊ : fluage ◆ : P₁



Sondage: MPM2009-01

Profondeur : 38.00 m

Nappe: 2.05 m

K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du piezomètre: 1.50 m

N° de l'inertie: 2

Sonde: STANDARD

Gaine: Toilée standard

a 1.21 cm³/MPa

(valeurs en MPa)

E_m = 216.2

P₁ = 15.90 P_{max} = 5.23

P₁(t) = 15.90 P_f = 3.75

P₁(h) = 6.80 P_o = 0.51

P₁(pr) = 5.62

Légende:

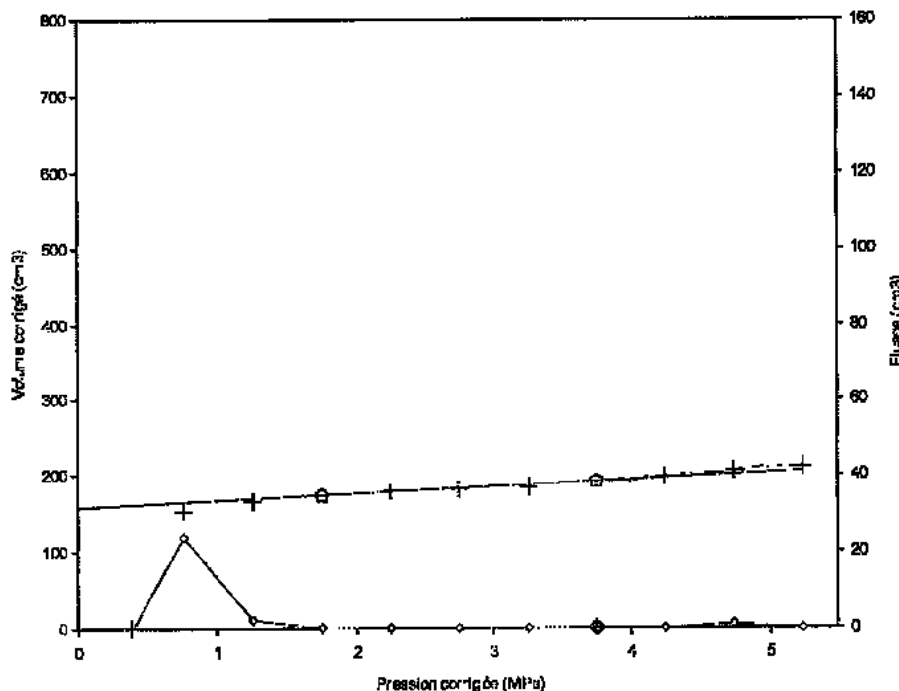
--- : P₁(t) - - - : P₁(h)

+ : point de mesure

x : point non pris en compte

○ : extrémité de la phase linéaire

◊ : fluage ◆ : P₁



AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

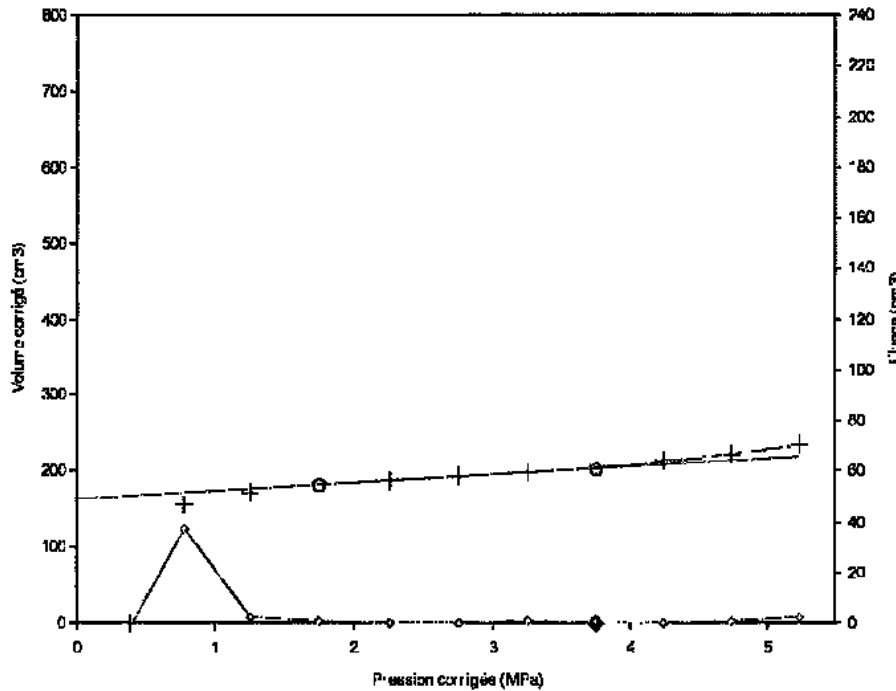
Programme: W-Pressio
Version : 1.1

FONDASOI
290 rue des Galoubets
BP 765
84140 MONTEVALET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 39.00 m



Nappe: 2.05 m

K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé):
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Forée standard
 $a = 1.21 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 178.4$

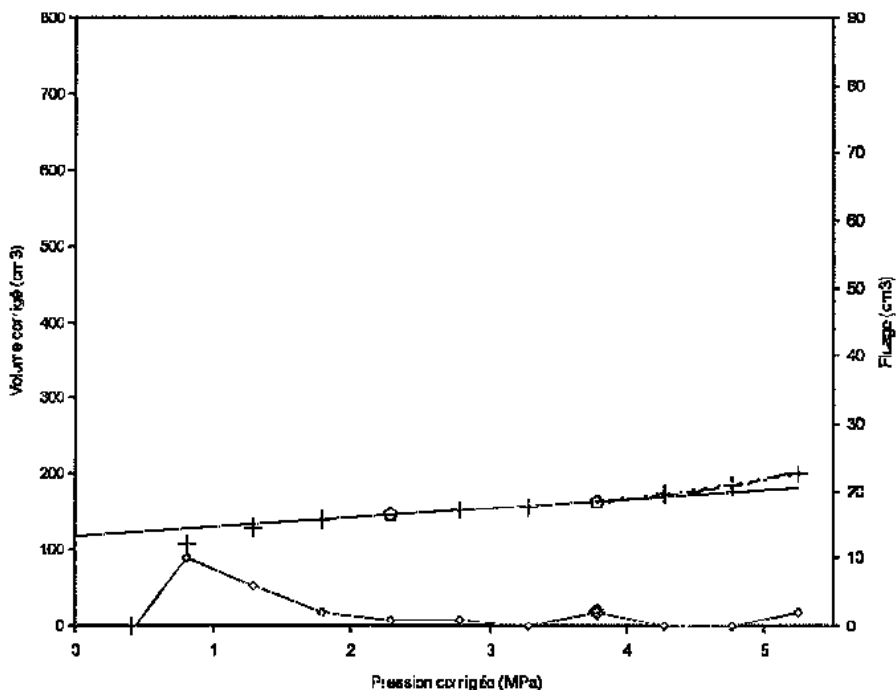
$P_1 = 12.60$	$P_{max} = 5.23$
$P_1(i) = 12.60$	$P_f = 3.75$
$P_1(h) = 7.73$	$P_0 = 0.53$
$P_1(p_f) = 5.62$	

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$
+ : point de mesure
x : point non pris en compte
◇ : extrémité de la phase linéaire
o : usage ◆ : P

Sondage: MPM2009-01

Profondeur : 40.00 m



Nappe: 2.05 m

K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé):
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Forée standard
 $a = 1.21 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 150.4$

$P_1 = 10.39$	$P_{max} = 5.26$
$P_1(i) = 10.39$	$P_f = 3.78$
$P_1(h) = 6.56$	$P_0 = 0.54$
$P_1(p_f) = 5.67$	

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$
+ : point de mesure
x : point non pris en compte
◇ : extrémité de la phase linéaire
o : usage ◆ : P

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOTL MECHANICS - SIZEWELL C

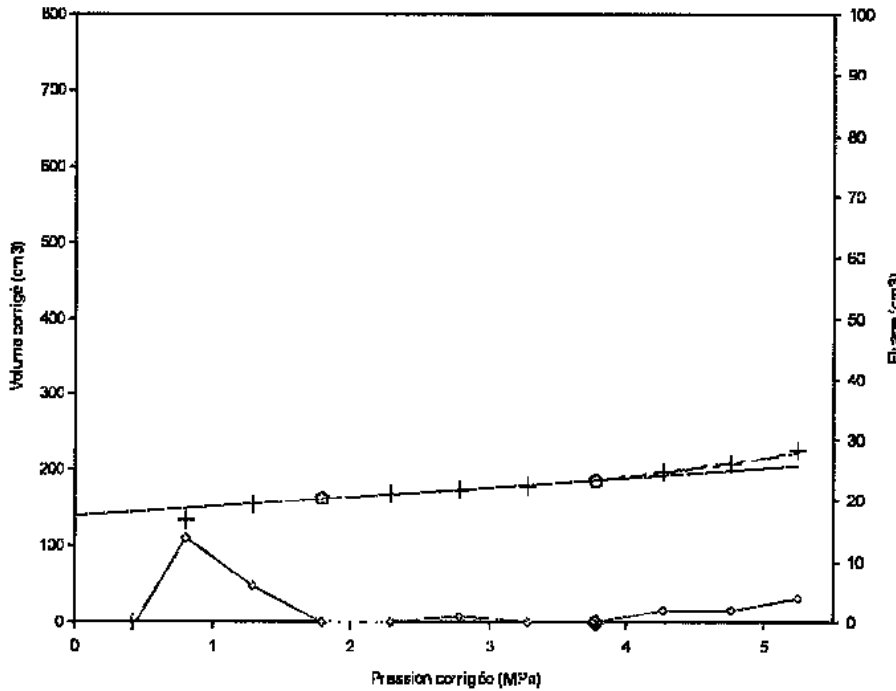
Programme: W-Pressic
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 41.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur de pressionnètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée standard
 $\mu = 1.21 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_M = 152.7

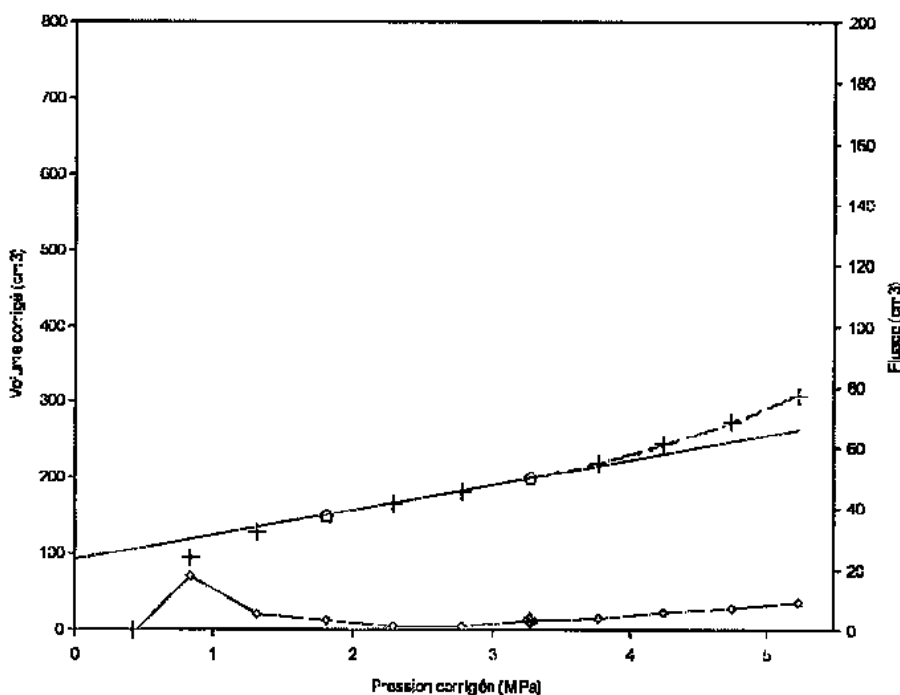
P1 = 10.69	Pmax = 5.26
P1(i) = 10.69	Pf = 3.78
P1(h) = 7.48	Po = 0.55
P1(pf) = 5.67	

Légende:

- - - : P1(i)
- - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- ◆ : P1

Sondage: MPM2009-01

Profondeur : 42.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur de pressionnètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée standard
 $\mu = 1.21 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_M = 57.7

P1 = 7.41	Pmax = 5.23
P1(i) = 7.41	Pf = 3.28
P1(h) = 7.12	Po = 0.57
P1(pf) = 4.92	

Légende:

- - - : P1(i)
- - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- ◆ : P1

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOTL MECHANICS - SIZEWELL C

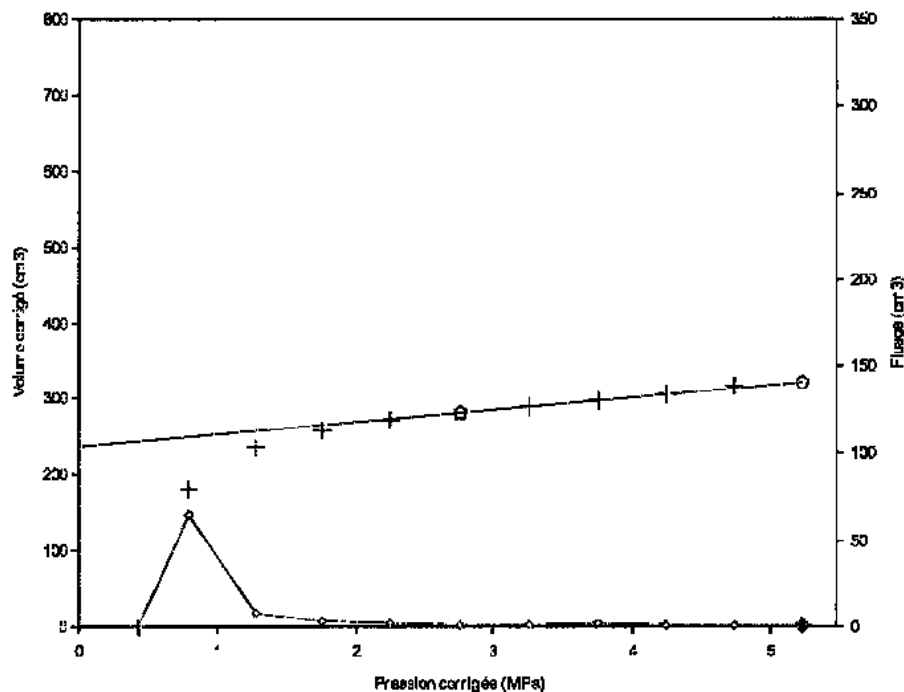
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galubert
BP 765
84140 MONTAVET

Fichier : P5-pl3
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 43.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Tôlée standard
a = 1.21 cm³/MPa

(valeurs en MPa)

E_M = 138.5

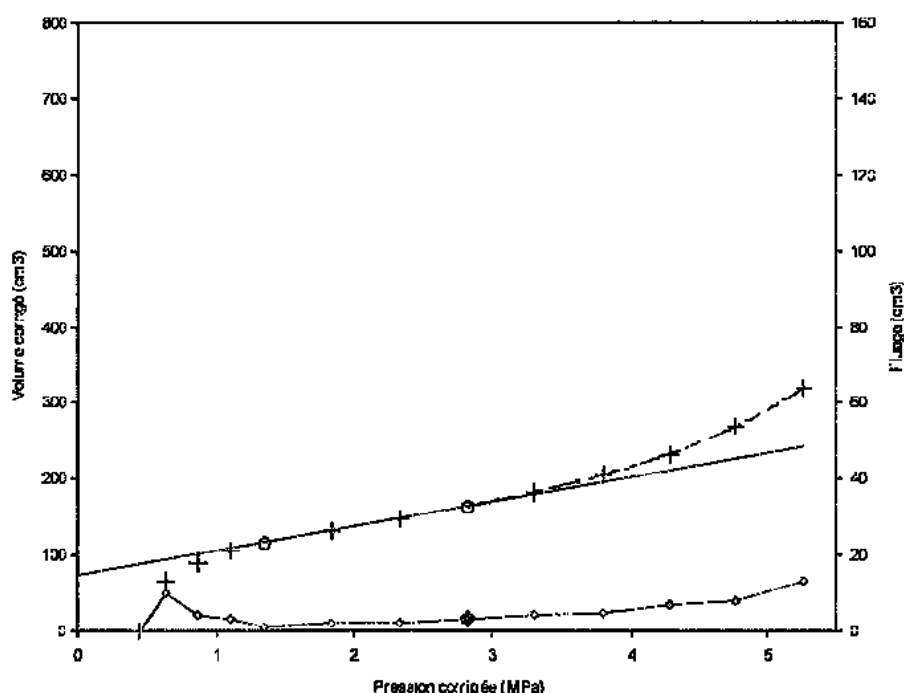
P_l > 5.24 | P_{max} = 5.24
P_l > 5.24 | P_f > 5.24
P_o = 0.58
P_l (P_f) > 7.86

Légende:

- : P_l(i)
- - - : P_l(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : P_f

Sondage: MPM2009-01

Profondeur : 44.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Tôlée standard
a = 1.21 cm³/MPa

(valeurs en MPa)

E_M = 55.9

P_l = 6.78 | P_{max} = 5.25
P_l (i) = 6.78 | P_f = 2.82
P_l (h) = 6.49 | P_o = 0.59
P_l (P_f) = 4.23

Légende:

- : P_l(i)
- - - : P_l(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - STERNELLI C

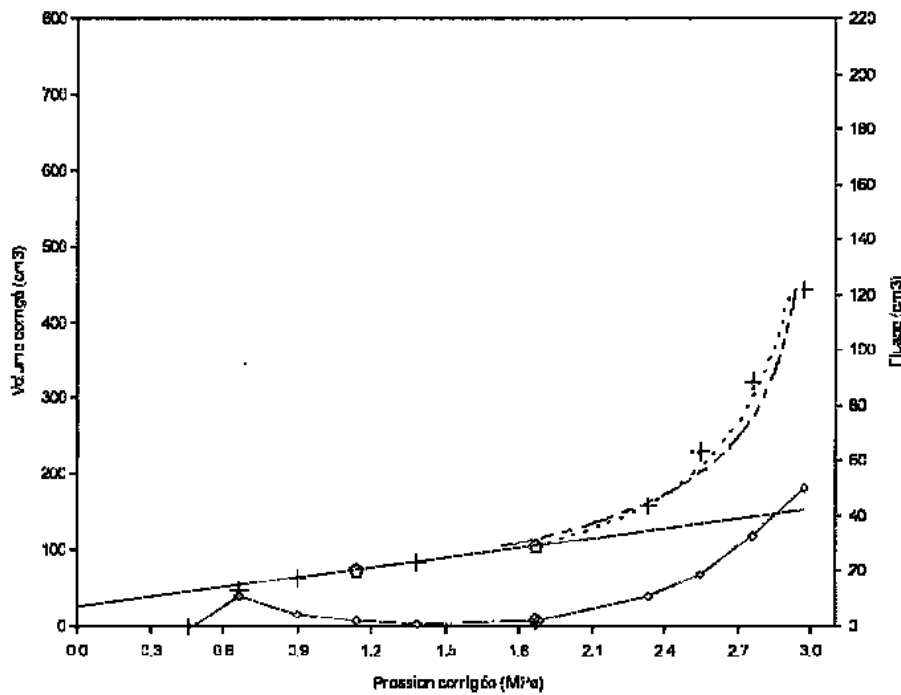
Programme: W-Pressio
Version : 1.1

FONDASO:
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P5-pl3
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 45.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée standard

$a = 1.21 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 38.8$

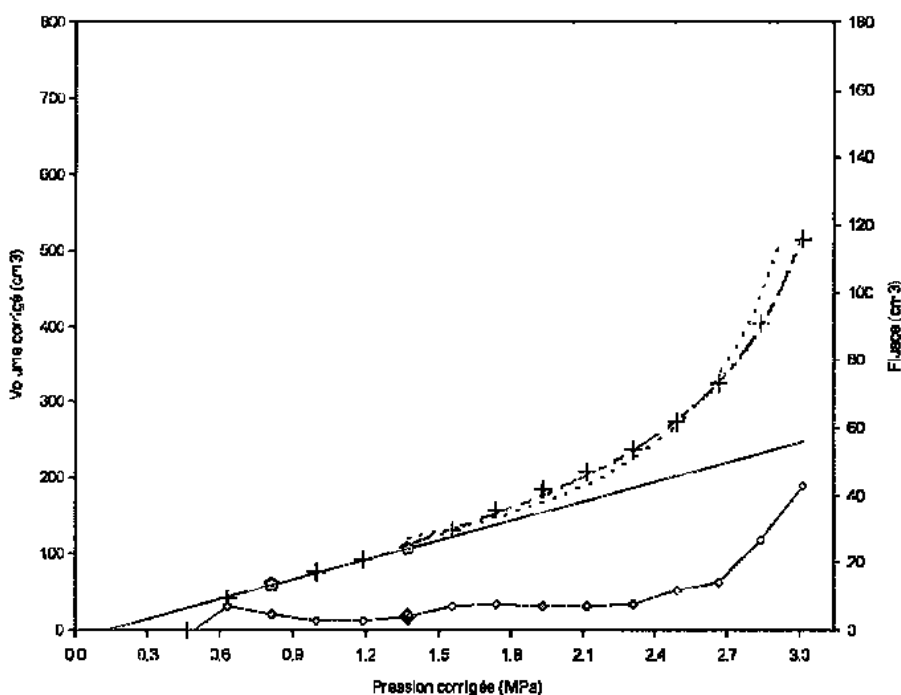
$P_1 = 3.04$	$P_{max} = 2.97$
$P_1(i) = 3.04$	$P_f = 1.87$
$P_1(h) = 3.00$	$P_0 = 0.61$
$P_1(p) = 2.80$	

Légende:

--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
⊙ : extrémité de la phase linéaire
○ : fluage ◆ : Pf

Sondage: MPM2009-01

Profondeur : 46.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée standard

$a = 1.21 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 19.2$

$P_1 = 3.05$	$P_{max} = 3.01$
$P_1(i) = 3.05$	$P_f = 1.36$
$P_1(h) = 3.11$	$P_0 = 0.62$
$P_1(p) = 2.06$	

Légende:

--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
⊙ : extrémité de la phase linéaire
○ : fluage ◆ : Pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOLL MECHANICS - SIZEWELL C

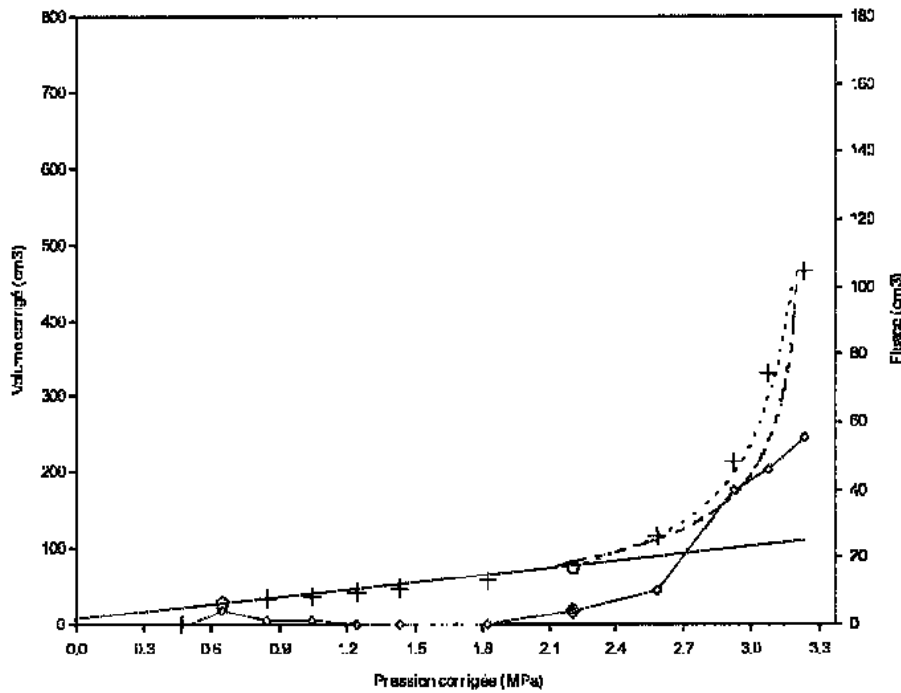
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : 95-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 47.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur de pressiomètre: 1.58 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: toilée standard
 $\alpha = 1.21 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_m = 48.6$

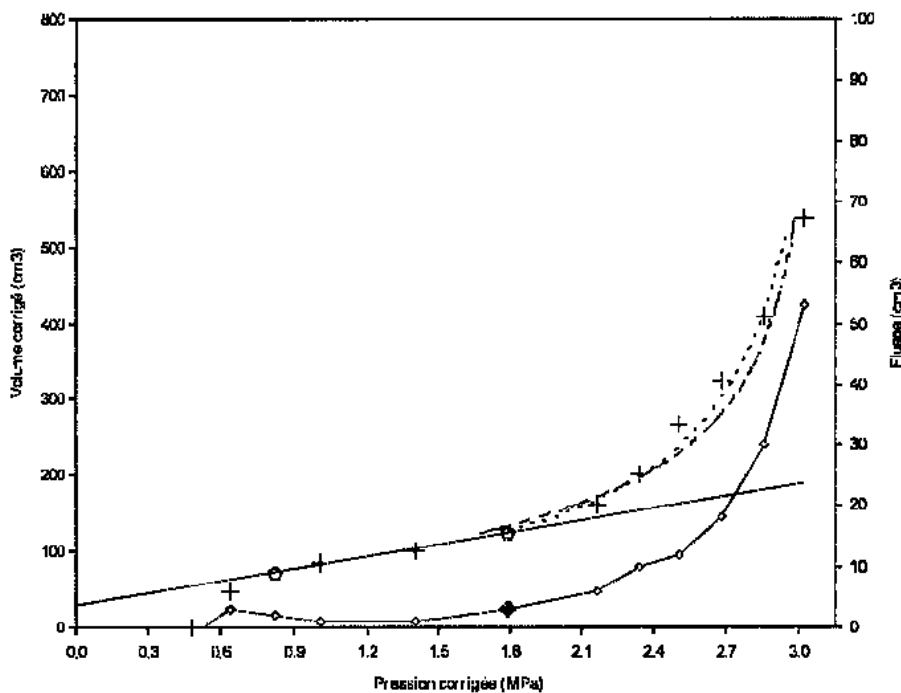
$P_1 = 3.23$	$P_{max} = 3.23$
$P_1(i) = 3.23$	$P_f = 2.21$
$P_1(h) = 3.22$	$P_0 = 0.64$
$P_1(p) = 3.31$	

Légende:

- : $P_1(i)$
- - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- ⊙ : extrémité de la phase linéaire
- : fluage
- ◆ : P_1

Sondage: MPM2009-01

Profondeur : 48.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.6 (estimé)
Hauteur de pressiomètre: 1.58 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: toilée standard
 $\alpha = 1.21 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_m = 31.3$

$P_1 = 3.05$	$P_{max} = 3.02$
$P_1(i) = 3.05$	$P_f = 1.79$
$P_1(h) = 3.03$	$P_0 = 0.65$
$P_1(p) = 2.68$	

Légende:

- : $P_1(i)$
- - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- ⊙ : extrémité de la phase linéaire
- : fluage
- ◆ : P_1

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

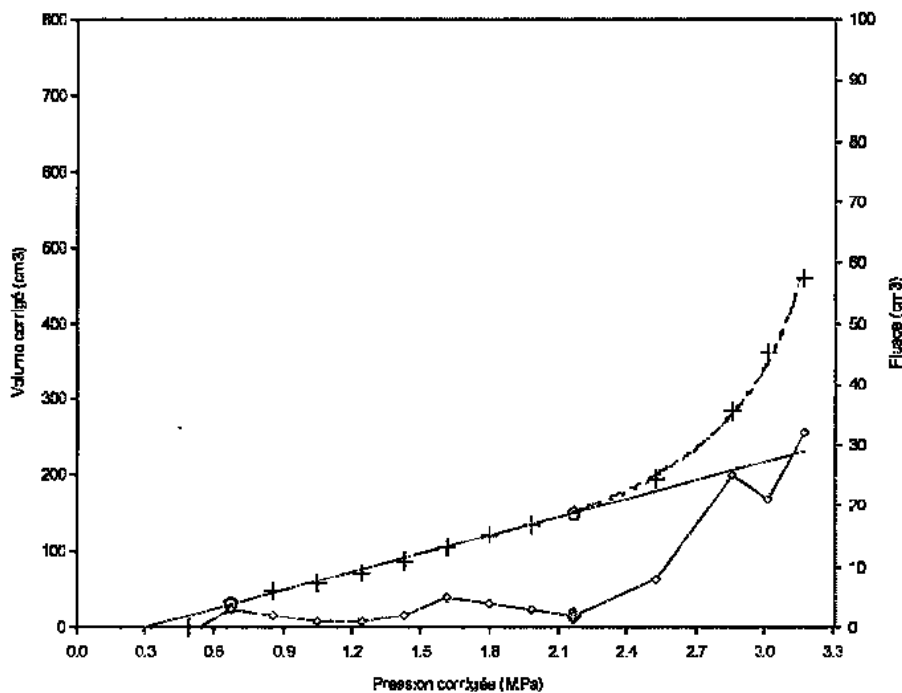
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : 95-pl3
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 49.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: Toilée standard
a = 4.43 cm³/MPa

(valeurs en MPa)

E_x = 20.8

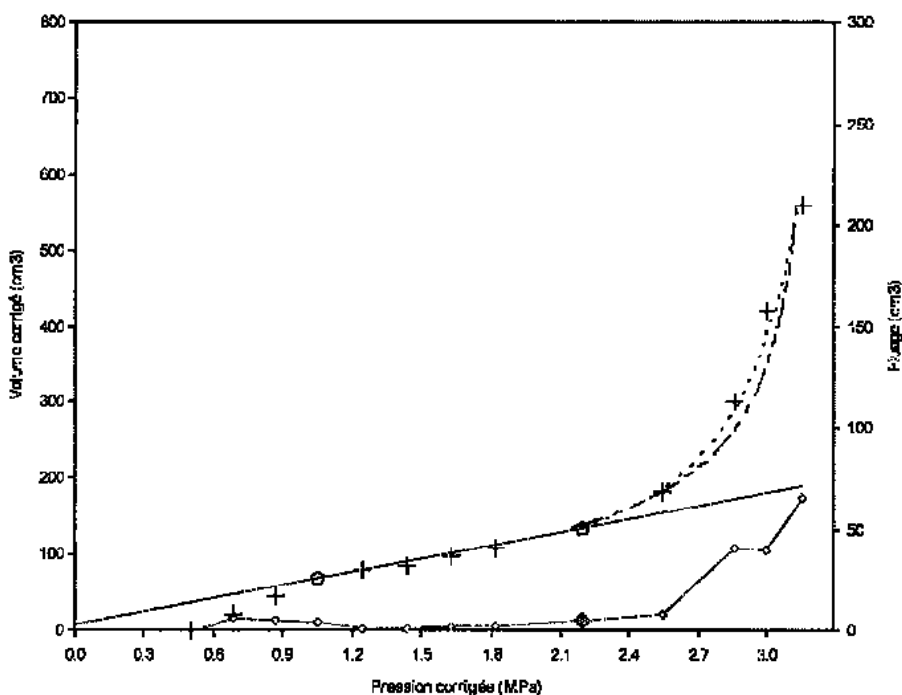
P ₁ = 3.31	P _{max} = 3.18
P ₁ (i) = 3.31	P _f = 2.27
P ₁ (h) = 3.24	P ₀ = 0.66
P ₁ (p) = 3.25	

Légende:

--- : P₁(i) - - - : P₁(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
◊ : fluage ◆ : P₁

Sondage: MPM2009-01

Profondeur : 50.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: Toilée standard
a = 4.43 cm³/MPa

(valeurs en MPa)

E_x = 29.4

P ₁ = 3.18	P _{max} = 3.15
P ₁ (i) = 3.18	P _f = 2.19
P ₁ (h) = 3.15	P ₀ = 0.68
P ₁ (p) = 3.29	

Légende:

--- : P₁(i) - - - : P₁(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
◊ : fluage ◆ : P₁

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

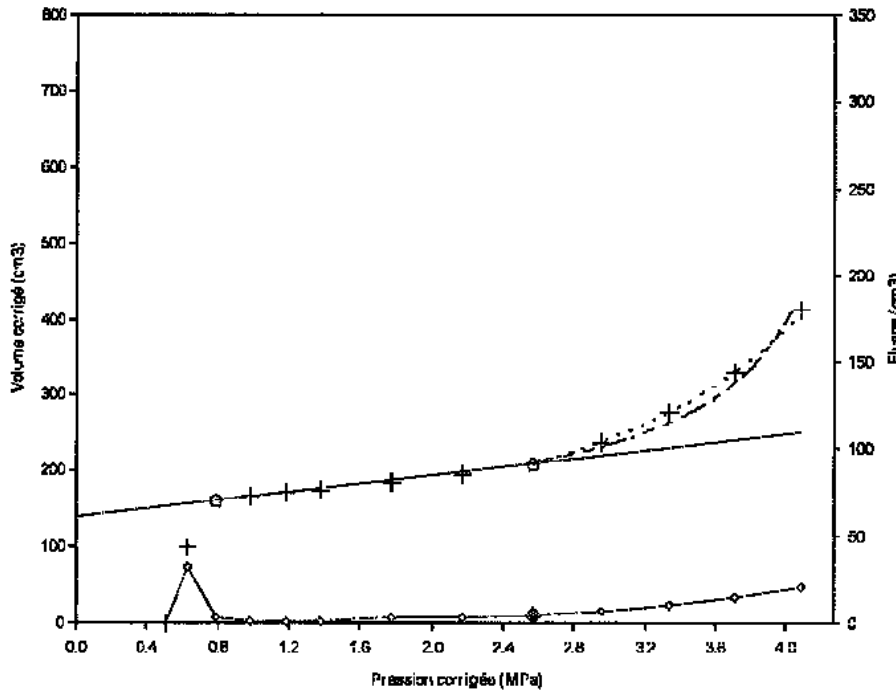
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTEVALET

Fichier : P5-pl3
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 51.00 m



Nappe: 2.05 m

K_0 (estimé):
Masse vol. Sol (t/m³): 1.9 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: Toile standard
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 70.4$

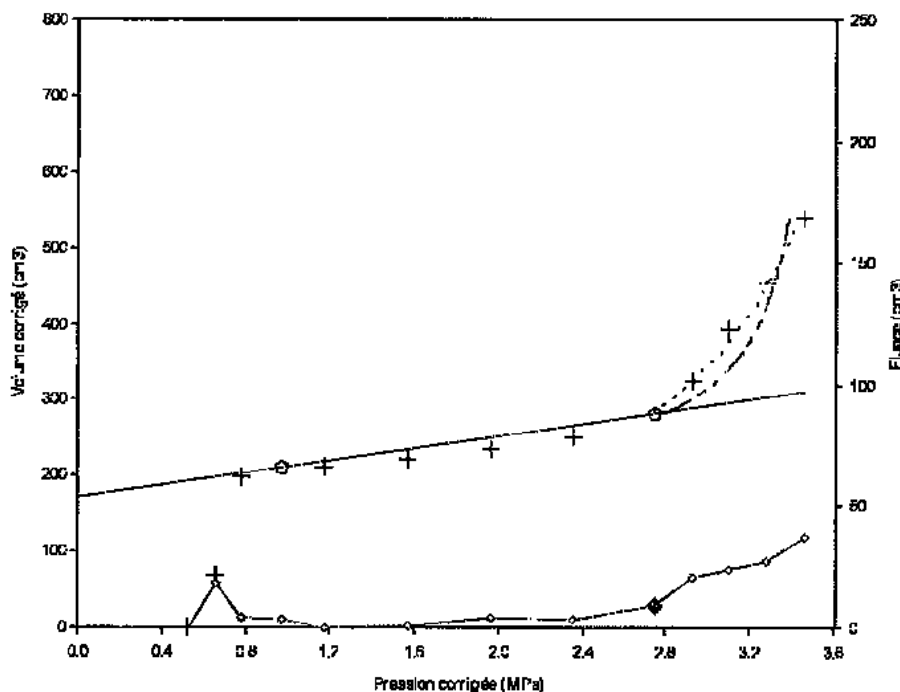
$P_L = 4.94$	$P_{max} = 4.09$
$P_L(\Delta) = 4.94$	$P_f = 2.57$
$P_L(h) = 4.36$	$P_o = 0.69$
$P_L(p_f) = 3.85$	

Légende:

- : $P_L(\Delta)$ - - - : $P_L(h)$
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- : fluage ◆ : P_f

Sondage: MPM2009-01

Profondeur : 52.00 m



Nappe: 2.05 m

K_0 (estimé):
Masse vol. Sol (t/m³): 1.9 (estimé)
Hauteur du pressiomètre: 1.75 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: Toile standard
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 51.5$

$P_L = 3.78$	$P_{max} = 3.46$
$P_L(\Delta) = 3.78$	$P_f = 2.74$
$P_L(h) = 3.49$	$P_o = 0.70$
$P_L(p_f) = 4.11$	

Légende:

- : $P_L(\Delta)$ - - - : $P_L(h)$
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- : fluage ◆ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

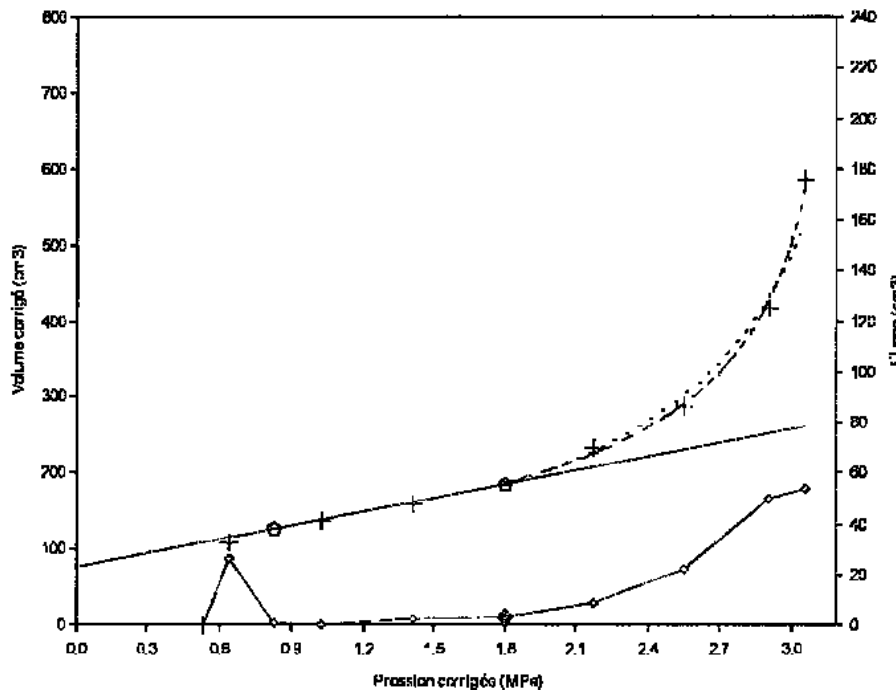
Programme: W-Pressio
Version : 1.1

FCNDASCL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P5-pl3
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 53.00 m



Nappe: 2.05 m
K_s (sat):
Masse vol. Sol (t/m³): 1.8 (sat):
Hauteur du pressiomètre: 1.20 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: Toile standard
a = 2.64 cm³/MPa

(valeurs en MPa)

E_M = 30.4

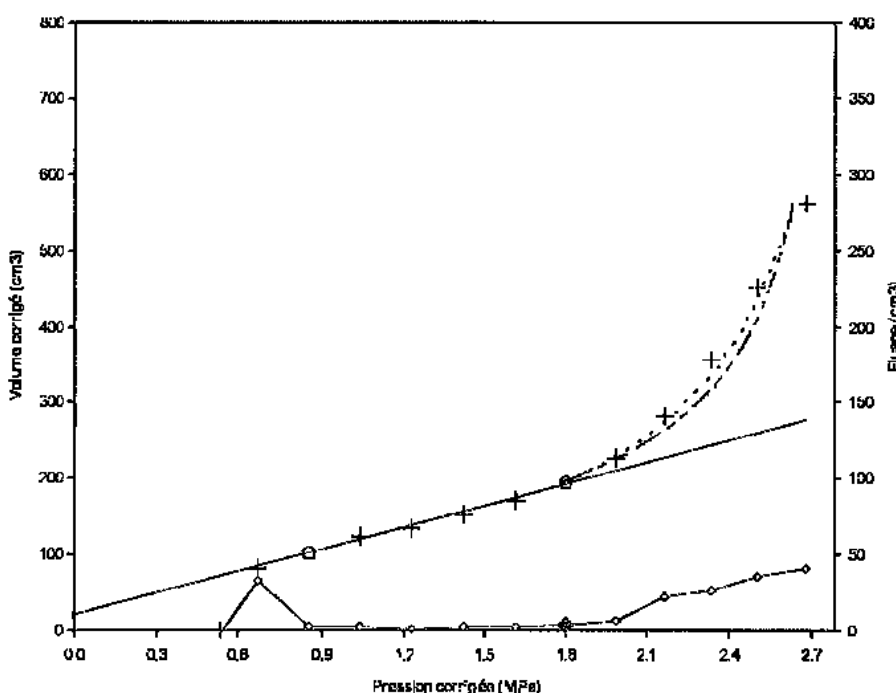
P _l = 3.28	P _{max} = 3.06
P _l (i) = 3.28	P _t = 1.80
P _l (h) = 3.15	P _o = 0.72
P _l (P) = 2.70	

Légende:

- - - : P_l(i)
- - - : P_l(h)
- + : point de mesure
- x : point non pris en compte
- △ : extrémité de la phase linéaire
- ◇ : fluage
- ◆ : P_l

Sondage: MPM2009-01

Profondeur : 54.00 m



Nappe: 2.05 m
K_s (sat):
Masse vol. Sol (t/m³): 1.8 (sat):
Hauteur du pressiomètre: 1.70 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: Toile standard
a = 2.64 cm³/MPa

(valeurs en MPa)

E_M = 19.1

P _l = 2.76	P _{max} = 2.68
P _l (i) = 2.76	P _t = 1.80
P _l (h) = 2.70	P _o = 0.73
P _l (P) = 2.70	

Légende:

- - - : P_l(i)
- - - : P_l(h)
- + : point de mesure
- x : point non pris en compte
- △ : extrémité de la phase linéaire
- ◇ : fluage
- ◆ : P_l

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIXRWELL C

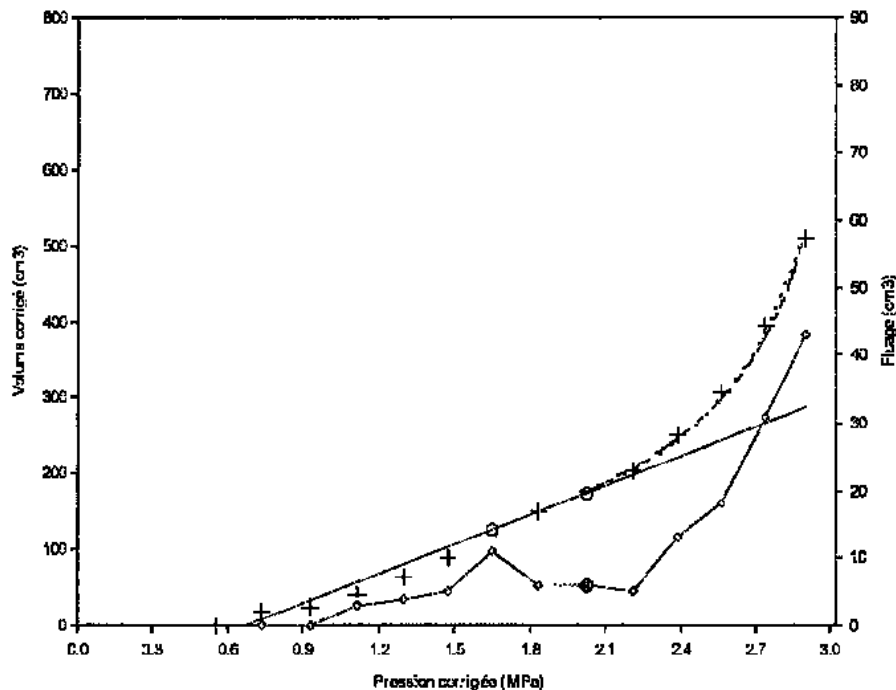
Programme: W-PRESSIO
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTEFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 55.00 m



Nappe: 2.05 m
Ks (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur de pression: 1.96 m

N° de l'inertie: 4

Sonde: STANDARD

Gaine: Toile standard

a = 2.64 cm³/MPa

(valeurs en MPa)

EM = 14.2

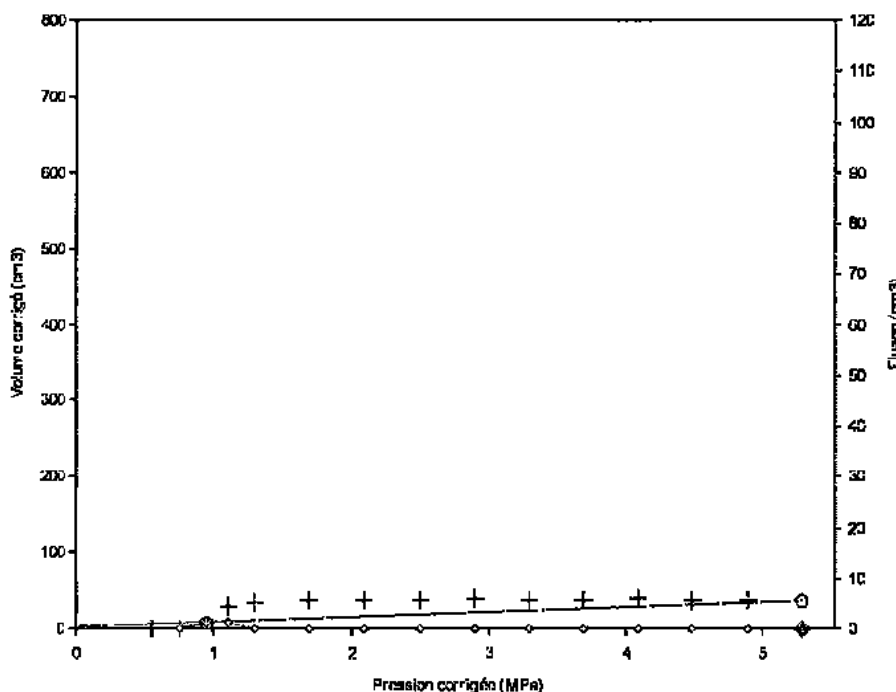
P1 = 3.04	Pmax = 2.90
P1(i) = 3.04	Pf = 2.02
P1(h) = 3.01	Po = 0.75
P1(p) = 3.04	

Légende:

- : P1(t)
- - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P1

Sondage: MPM2009-01

Profondeur : 56.00 m



Nappe: 2.05 m
Ks (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur de pression: 0.93 m

N° de l'inertie: 5

Sonde: STANDARD

Gaine: Toile renforcée

a = 3.48 cm³/MPa

(valeurs en MPa)

EM = 224.3

P1 > 5.28	Pmax = 5.28
	Pf > 5.28
P1(p) > 7.93	Po = 0.76

Légende:

- : P1(t)
- - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P1

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

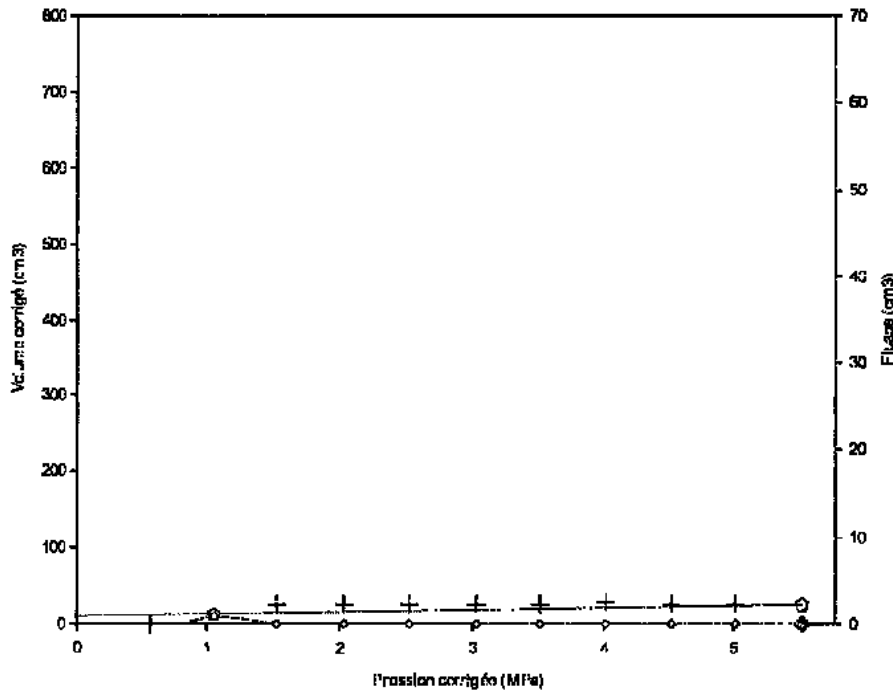
Programme: W-Pressio
Version : 1.1

FONDATEUR:
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P5-pl3
Dernière mise à jour:
21/12/2010 17:00:58

Sondage: MPM2009-01

Profondeur : 57.00 m



Nappe: 2.05 m

K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.30 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Isolée renforcée
 $a = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 533.4$

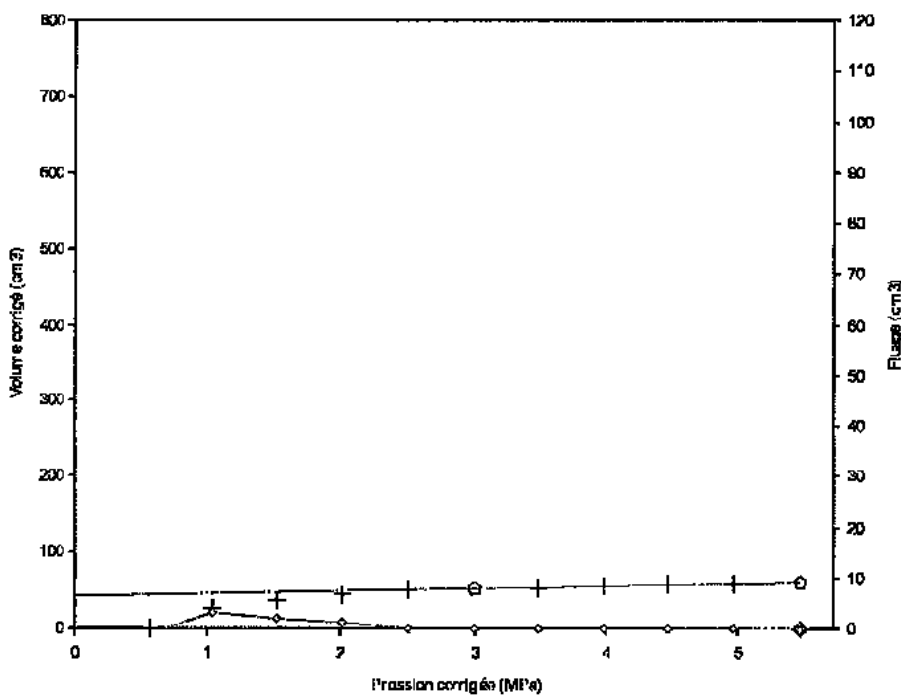
$P_1 > 5.51$ | $P_{max} = 5.51$
 $P_2 > 5.51$
 $P_0 = 0.77$
 $P_1(P_2) > 8.26$

Légende:

- : P1(a) - - - : P1(b)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◇ : filage ◆ : P2

Sondage: MPM2009-01

Profondeur : 58.00 m



Nappe: 2.05 m

K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.30 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Isolée renforcée
 $a = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 532.5$

$P_1 > 5.47$ | $P_{max} = 5.47$
 $P_2 > 5.47$
 $P_0 = 0.79$
 $P_1(P_2) > 8.20$

Légende:

- : P1(a) - - - : P1(b)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◇ : filage ◆ : P2

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOTL MECHANICS - SIZEWELL C

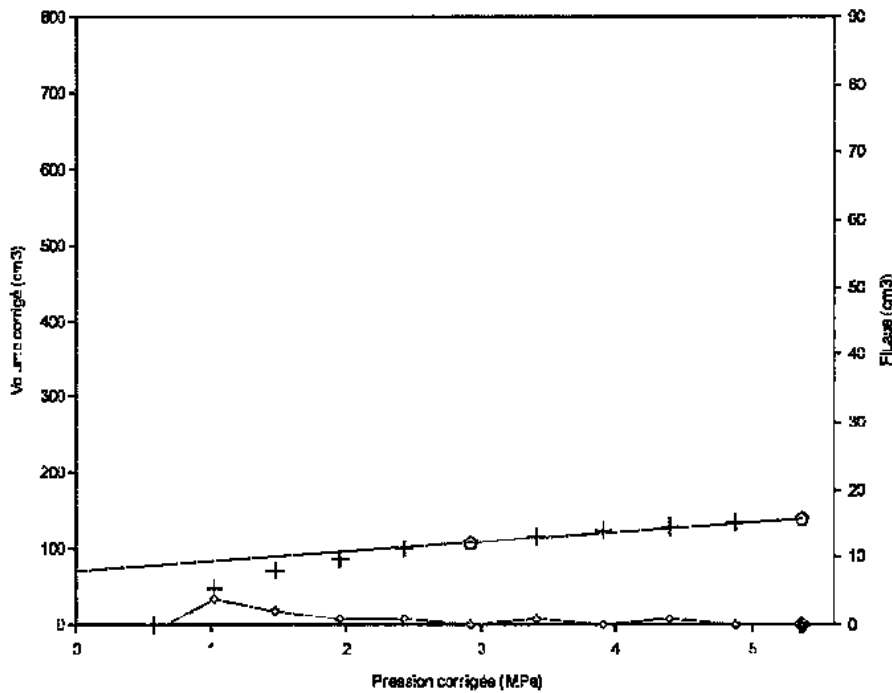
Programme: W-Pressio
Version : 1.1

FONDASOL
29C rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 59.00 m



Nappe: 2.05 m
K₀ (estimé):
K₀ (vol. Sol. (1/23)): 1.8 (estimé)
Hauteur du pressiomètre: 2.98 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilee renforcée
 $\alpha = 3.46 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_M = 137.7

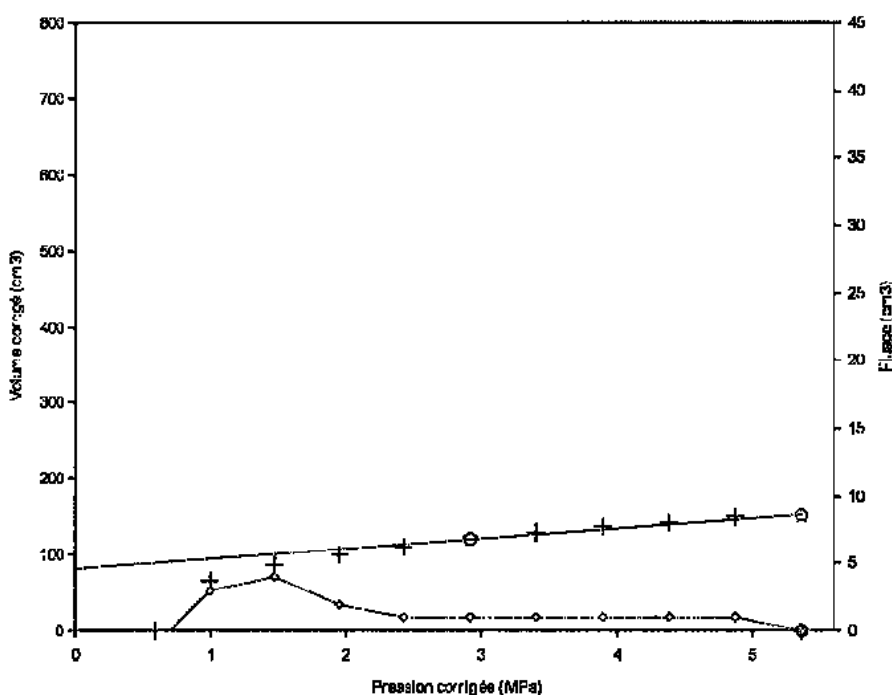
P₁ > 5.38 | P_{max} = 5.38
P_T > 5.38
P₀ = 0.80
P₁ (P_T) > 8.07

Légende:

- : P₁(t)
- : P₂(t)
- +
 : point de mesure
- x
 : point non pris en compte
- ◇
 : extrémité de la phase linéaire
- o
 : fluage
- ◇
 : P_T

Sondage: MPM2009-01

Profondeur : 60.00 m



Nappe: 2.05 m
K₀ (estimé):
K₀ (vol. Sol. (1/23)): 1.8 (estimé)
Hauteur du pressiomètre: 2.98 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilee renforcée
 $\alpha = 3.46 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_M = 136.0

P₁ > 5.38 | P_{max} = 5.38
P_T > 5.38
P₀ = 0.81
P₁ (P_T) > 8.06

Légende:

- : P₁(t)
- : P₂(t)
- +
 : point de mesure
- x
 : point non pris en compte
- ◇
 : extrémité de la phase linéaire
- o
 : fluage
- ◇
 : P_T

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - STREWELL C

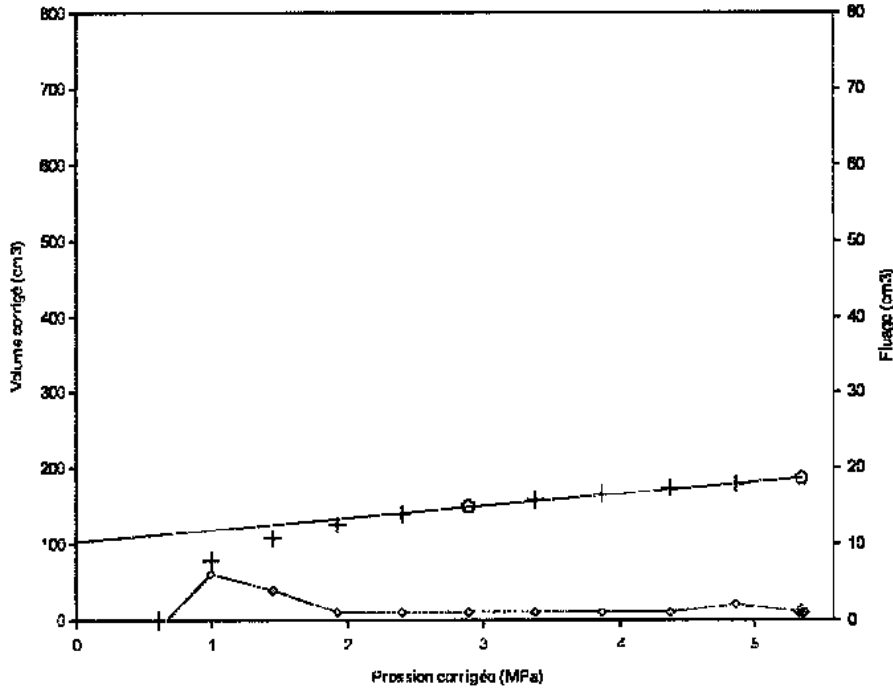
Programme: W-Pressio
Version : 1.1

FONDASOI,
290 rue des Galoubets
B2 765
84140 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 61.00 m



Nappe: 2.05 m
Ks (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

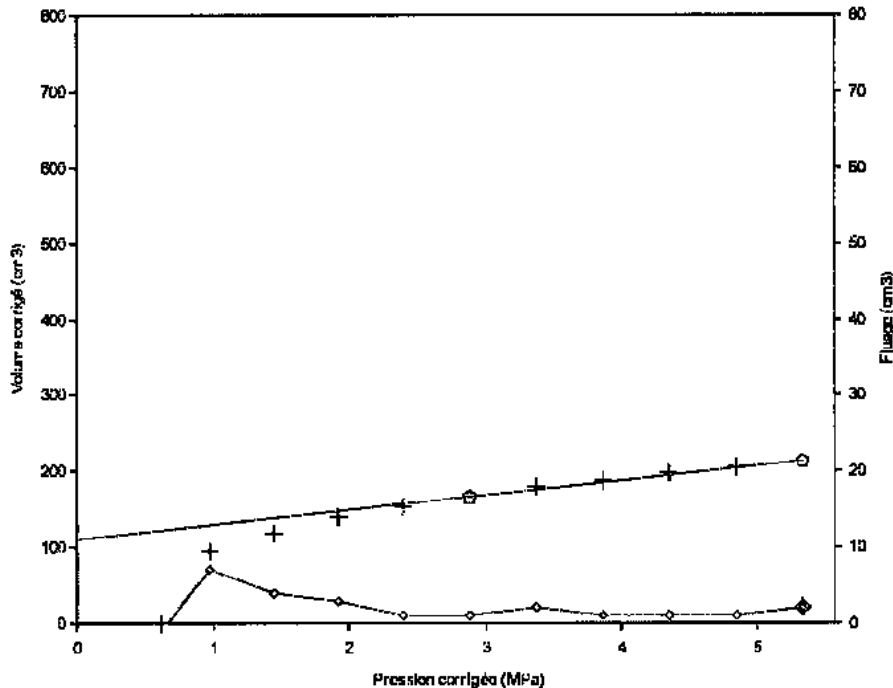
N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 3.45 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 120.1$
PL > 5.36 | Pmax = 5.36
PF > 5.36
Po = 0.83
PL (PF) > 8.03

Légende:
--- : PL (L) - - - : PL (H)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage o : P

Sondage: MPM2009-01

Profondeur : 62.00 m



Nappe: 2.05 m
Ks (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 102.2$
PL > 5.35 | Pmax = 5.35
PF > 5.35
Po = 0.84
PL (PF) > 8.02

Légende:
--- : PL (L) - - - : PL (H)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage o : P

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEMEM C

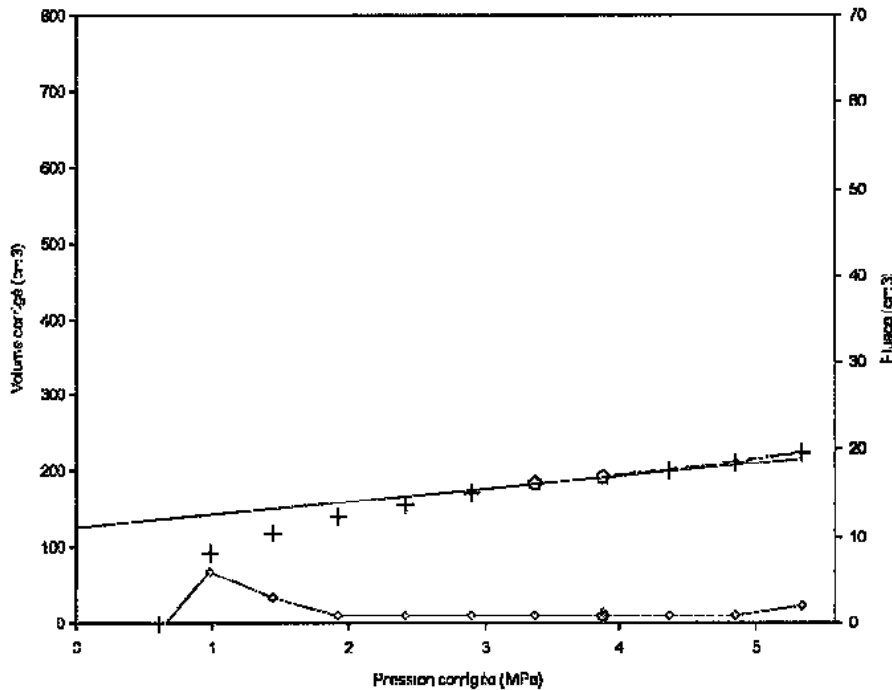
Programme: W-Pressio
Version : 1.1

FONDASOL
29C rue des Galoubets
BP 765
84140 MONTEFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage : MPM2009-01

Profondeur : 63.00 m



Nappe: 2.05 m
K_u (satiné):
Masse vol. Sol (t/m³): 1.8 (satiné)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilee renforcée
a = 3.48 cm³/MPa

(valeurs en MPa)

E_M = 114.6

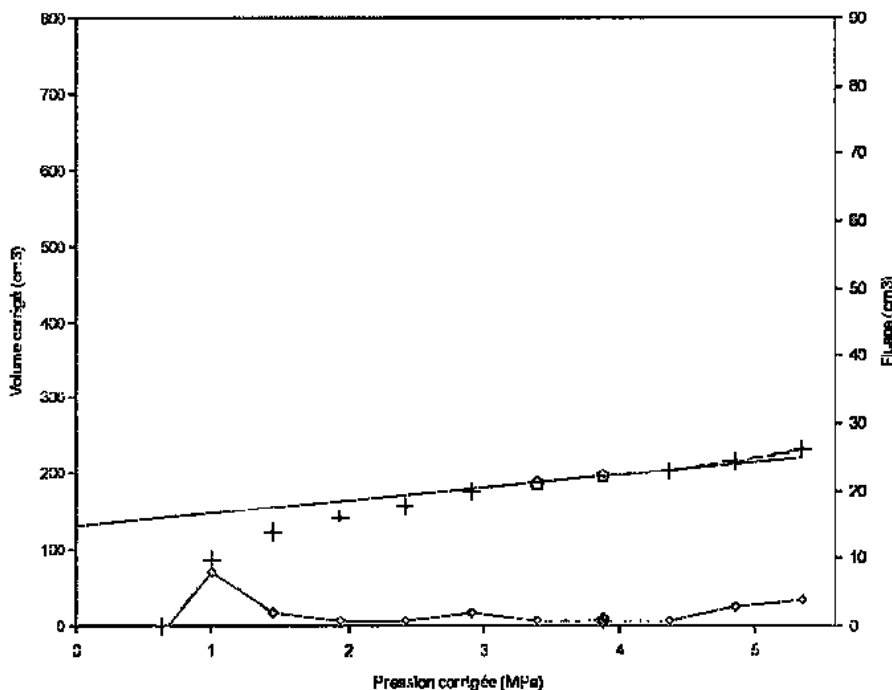
P1 = 11.84	Pmax = 5.35
P1 (i) = 11.84	Pf = 3.88
P1 (h) = 0.93	Po = 0.86
P1 (p) = 5.81	

Légende:

--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
⊙ : extrémité de la phase linéaire
○ : fluage ◆ : P1

Sondage : MPM2009-01

Profondeur : 64.00 m



Nappe: 2.05 m
K_u (satiné):
Masse vol. Sol (t/m³): 1.8 (satiné)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilee renforcée
a = 3.48 cm³/MPa

(valeurs en MPa)

E_M = 115.3

P1 = 11.50	Pmax = 5.35
P1 (i) = 11.50	Pf = 3.88
P1 (h) = 7.79	Po = 0.87
P1 (p) = 5.82	

Légende:

--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
⊙ : extrémité de la phase linéaire
○ : fluage ◆ : P1

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIXFWELL C

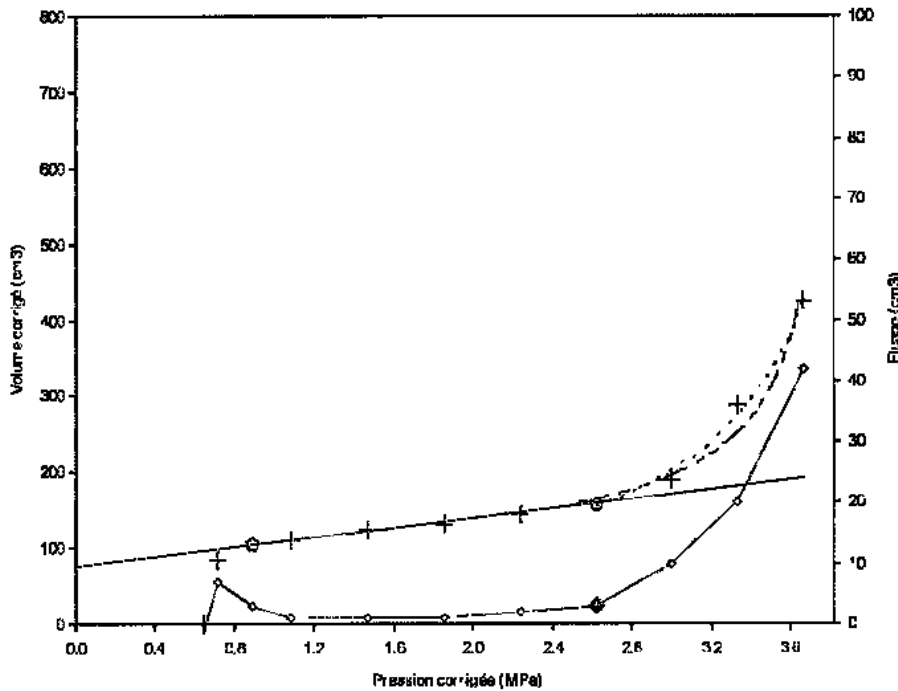
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTEVALET

Fichier : P5-pl3
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 65.00 m



Nappe: 2.05 m
So (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_m = 56.1$

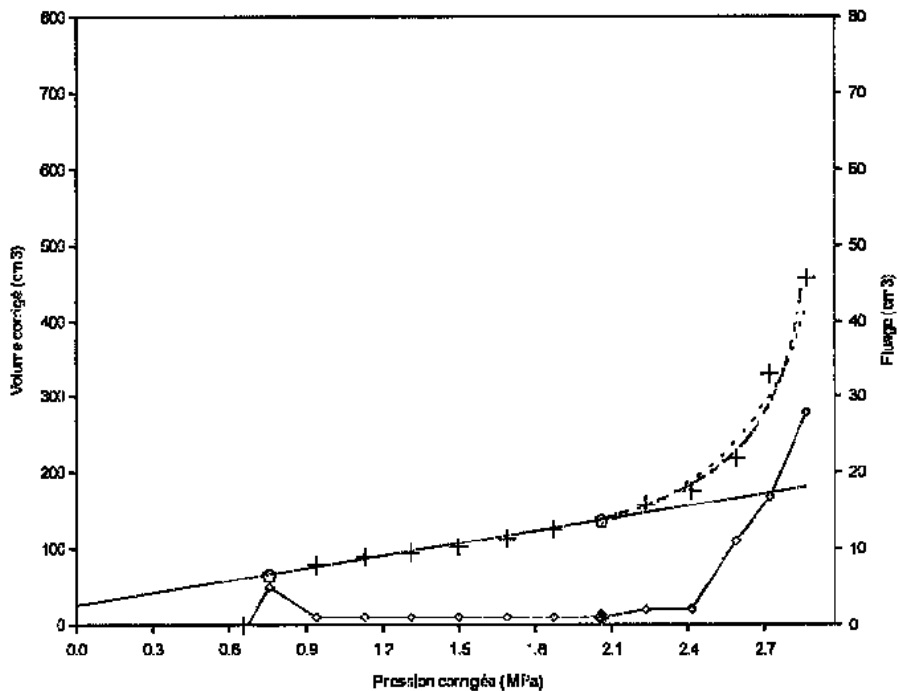
$P1 = 3.94$	$P_{max} = 3.67$
$P1(i) = 3.94$	$Pf = 2.63$
$P1(h) = 3.75$	$Po = 0.88$
$P1(pf) = 3.94$	

Légende:

- - - : P1(i)
- - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- ⊙ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : Pf

Sondage: MPM2009-01

Profondeur : 66.00 m



Nappe: 2.05 m
So (estimé):
Masse vol. Sol (t/m³): 1.6 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 3.45 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_m = 31.0$

$P1 = 3.03$	$P_{max} = 2.87$
$P1(i) = 3.03$	$Pf = 2.06$
$P1(h) = 2.91$	$Po = 0.90$
$P1(pf) = 3.09$	

Légende:

- - - : P1(i)
- - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- ⊙ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : Pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - STERWELL C

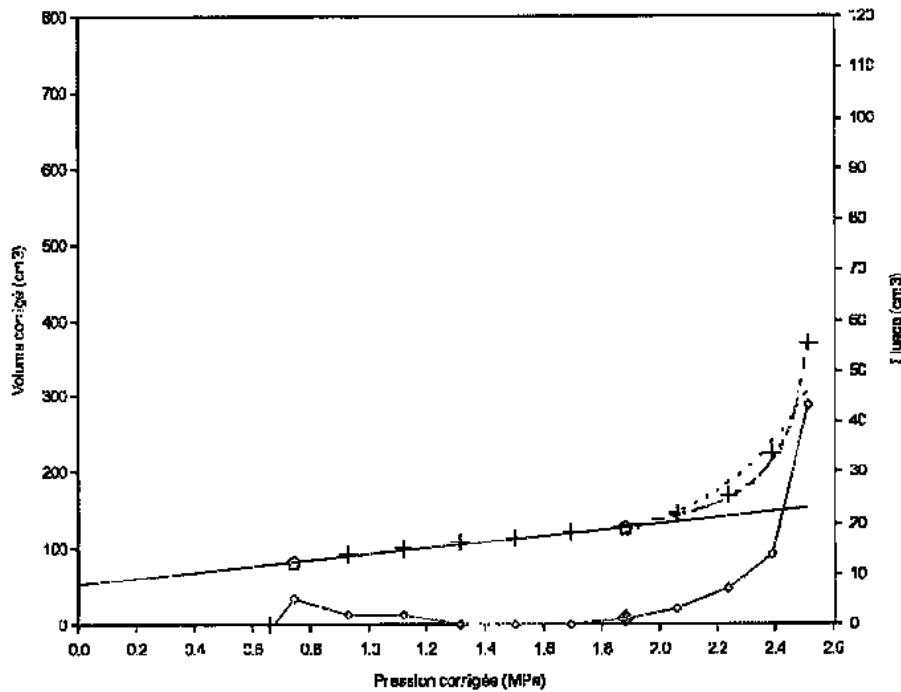
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84160 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 67.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

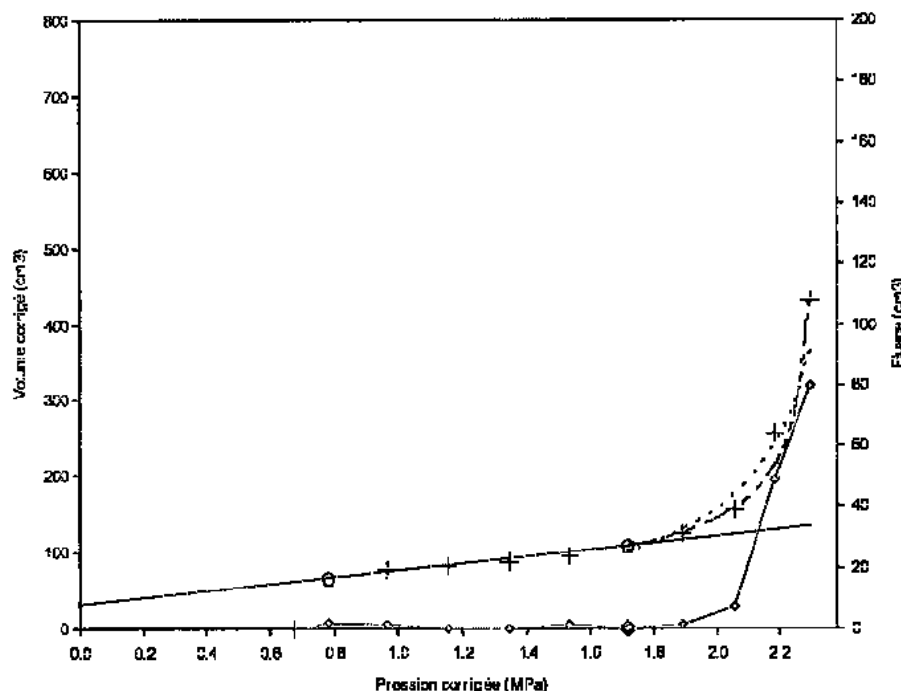
N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_M = 43.1
P₁ = 2.76 | P_{max} = 2.52
P₁ (i) = 2.76 | P_F = 1.88
P₁ (h) = 2.55 | P₀ = 0.91
P₁ (pr) = 2.83

Légende:
--- : P₁(i) - - - : P₁(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : P_F

Sondage: MPM2009-01

Profondeur : 68.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_M = 37.3
P₁ = 2.41 | P_{max} = 2.30
P₁ (i) = 2.41 | P_F = 1.72
P₁ (h) = 2.32 | P₀ = 0.92
P₁ (pr) = 2.58

Légende:
--- : P₁(i) - - - : P₁(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : P_F

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIJ. MECHANICS - STZKWHIL C

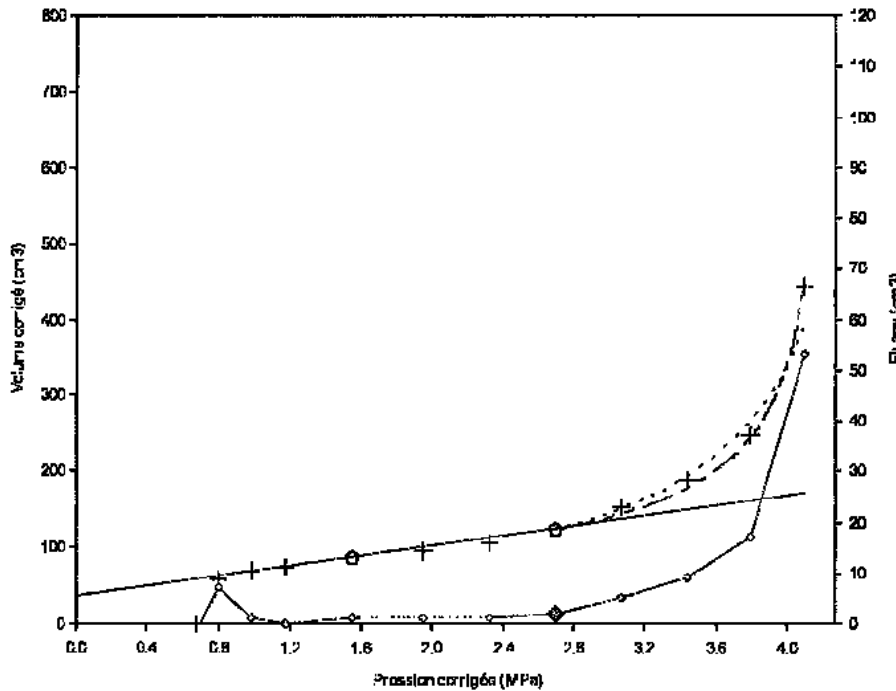
Programme: W-Pressio
Version : 1.1

FONDASOJ,
290 rue des Galubets
BP 765
84140 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 69.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: toilee renforcee
 $\alpha = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_M = 51.7

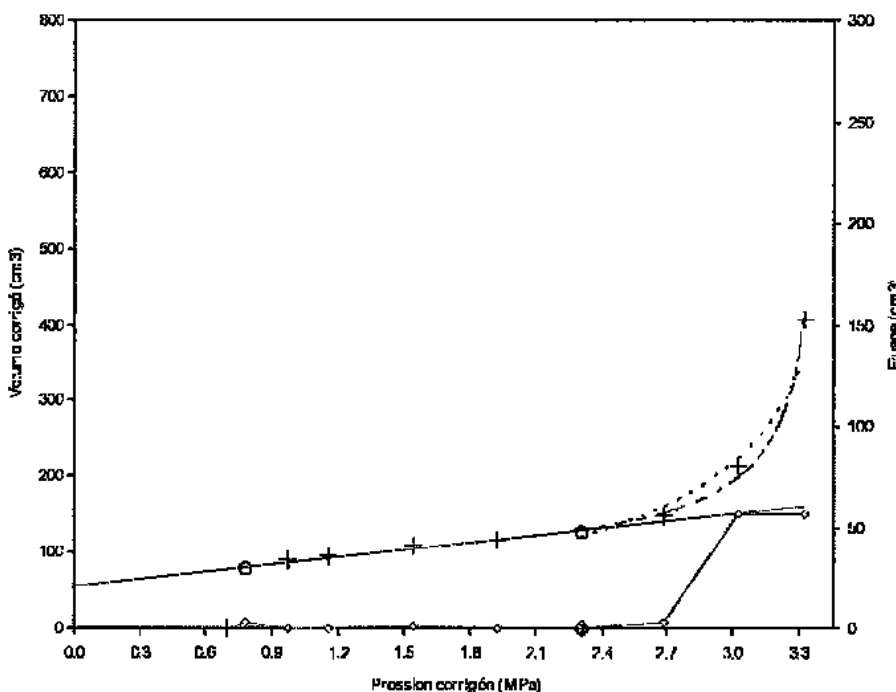
P1 = 4.39	Pmax = 4.10
P1(i) = 4.39	Pf = 2.70
P1(h) = 4.18	Po = 0.94
P1(Pf) = 4.05	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- ◆ : Pf

Sondage: MPM2009-01

Profondeur : 70.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: toilee renforcee
 $\alpha = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_M = 53.6

P1 = 3.61	Pmax = 3.33
P1(i) = 3.61	Pf = 2.31
P1(h) = 3.38	Po = 0.95
P1(Pf) = 3.47	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- ◆ : Pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - STEWELL C

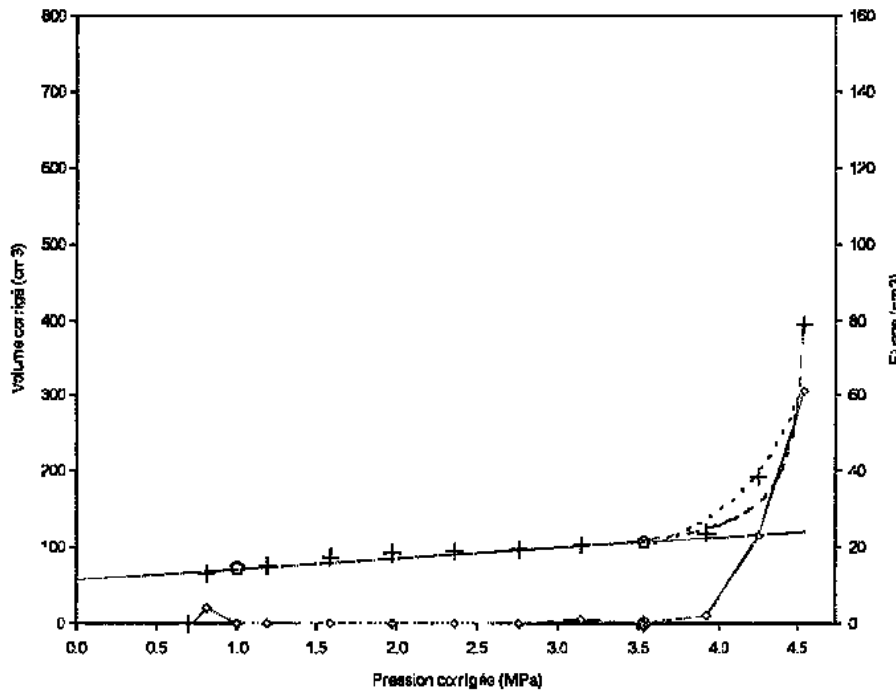
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 71.00 m



Nappe: 2.05 m
K_o (estimé):
Masse vol. Sol (t/m³): 1.8 (max:2.4)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilee renforcée
 $a = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_M = 120.7

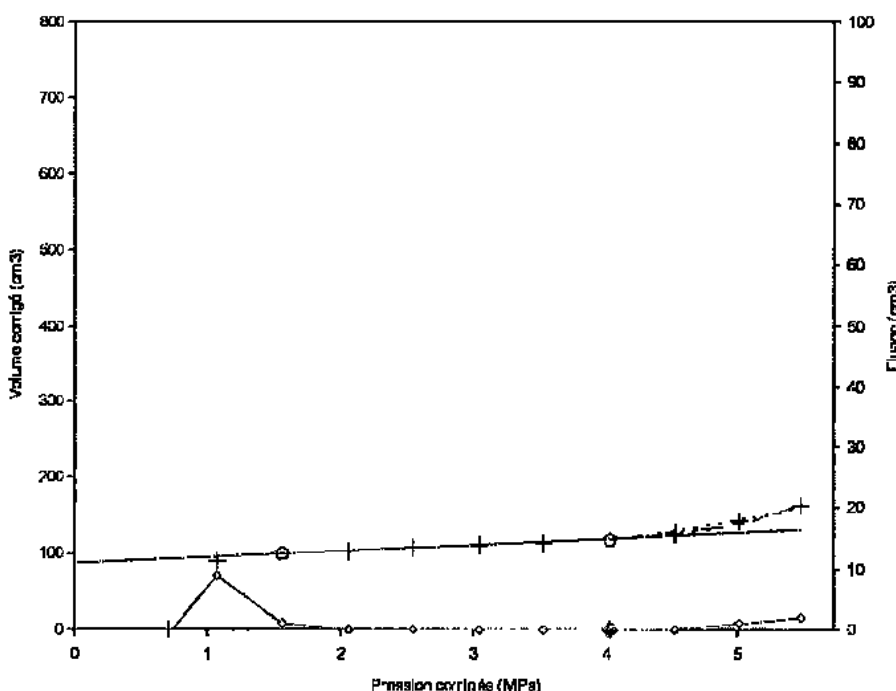
P1 = 4.78	Pmax = 4.84
P1(i) = 4.78	Pf = 3.54
P1(h) = 4.56	Po = 0.97
P1(p) = 5.31	

Légende:

- : P1(i)
- - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : P1
- : fuitage

Sondage: MPM2009-01

Profondeur : 72.00 m



Nappe: 2.05 m
K_o (estimé):
Masse vol. Sol (t/m³): 1.8 (max:2.4)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilee renforcée
 $a = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_M = 208.0

P1 = 8.62	Pmax = 5.48
P1(i) = 8.62	Pf = 4.03
P1(h) = 6.12	Po = 0.98
P1(p) = 6.05	

Légende:

- : P1(i)
- - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : P1
- : fuitage

AFFAIRE N° : ML.100119

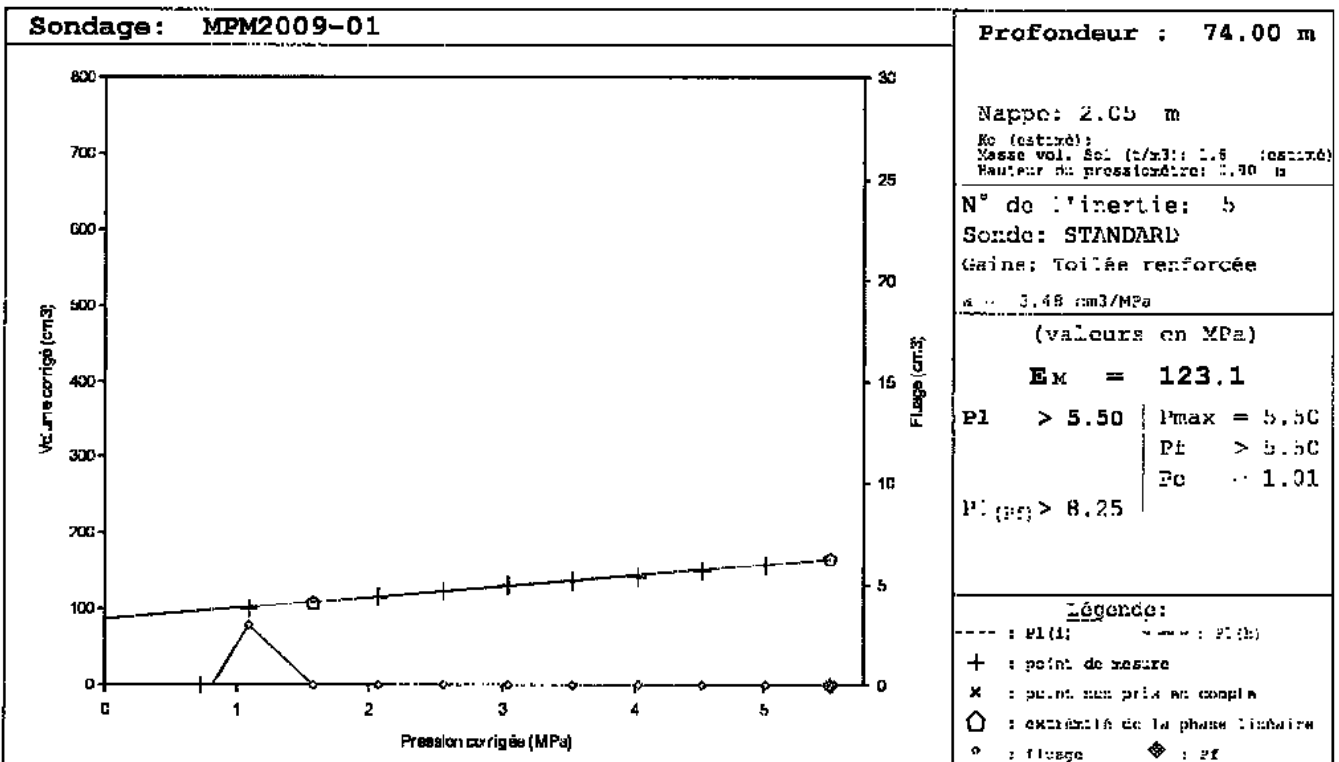
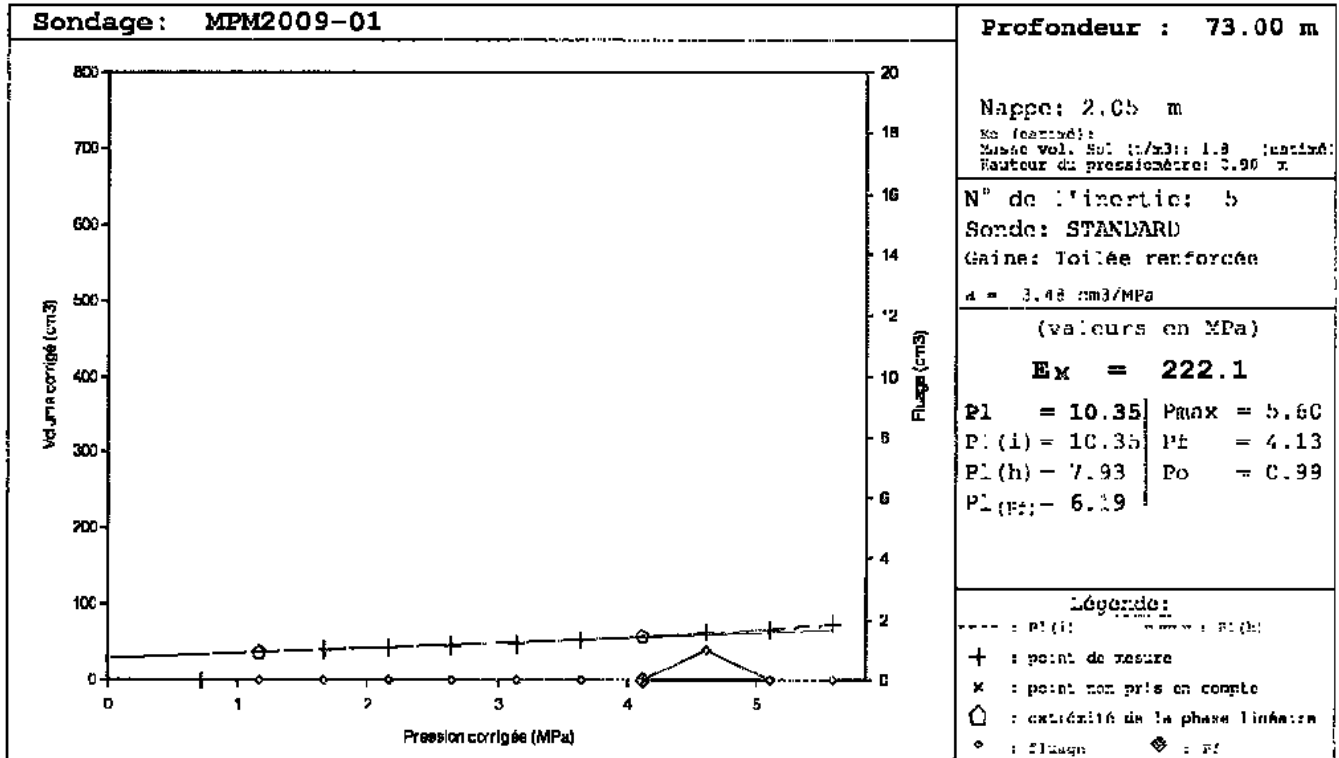
ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOII. MECHANICS - SIZEWELL C

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTEFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50



AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

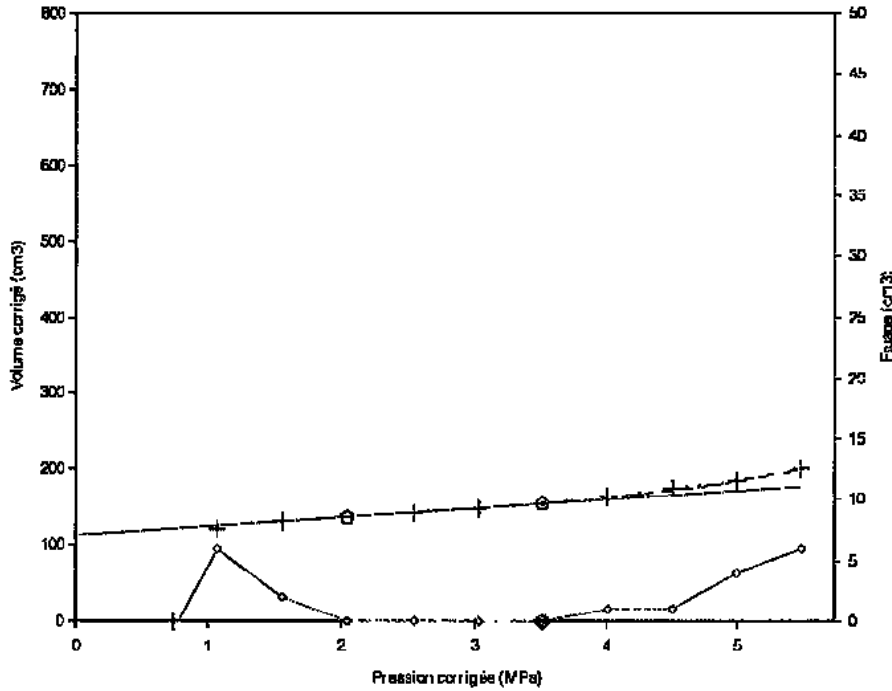
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTEFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 75.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 3.48 cm³/MPa

(valeurs en MPa)

E_x = 159.5

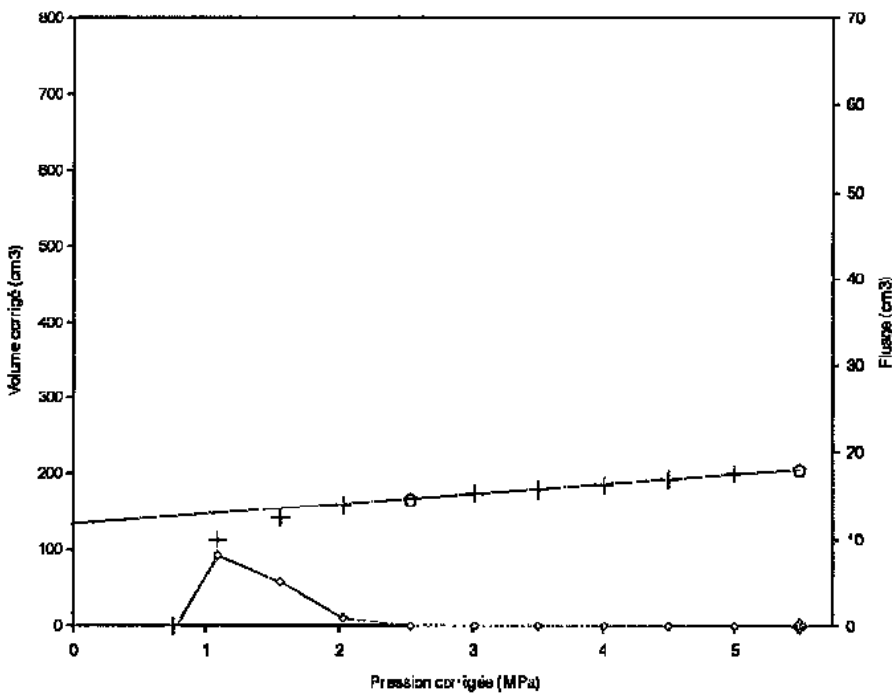
P1 = 10.62	Pmax = 5.48
P1 (h) = 10.62	Pf = 3.53
P1 (p) = 7.54	Po = 1.02
P1 (p1) = 5.29	

Légende:

- : P1(h)
- - - : P1(p)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : Fluage
- ◆ : P1

Sondage: MPM2009-01

Profondeur : 76.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 3.48 cm³/MPa

(valeurs en MPa)

E_x = 147.3

P1 > 5.49	Pmax = 5.49
	Pf > 5.49
	Po = 1.03
P1 (P1) > 8.23	

Légende:

- : P1(h)
- - - : P1(p)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : Fluage
- ◆ : P1

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIXEWELL C

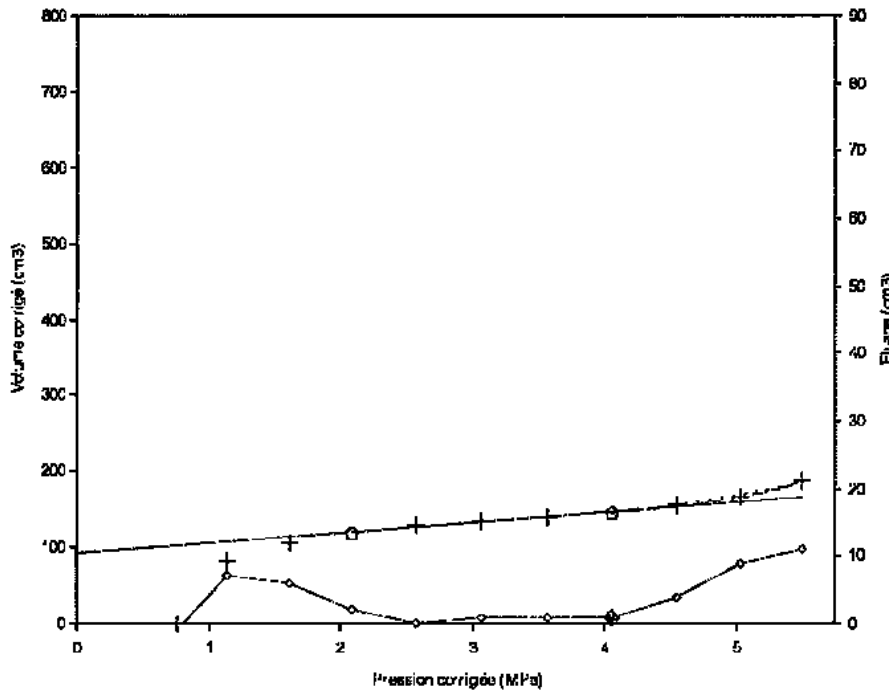
Programme: W-Pressio
Version : 1.1

ONDASCI.
290 rue des Galoubets
B2 765
84140 MONTFAVET

Fichier : P5-pl3
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 77.00 m



Nappe: 2.05 m
Ks (estimé):
Masse vol. Sol (ρ/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.93 m

N° de l'Inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 3.48 cm³/MPa

(valeurs en MPa)

EM = 133.9

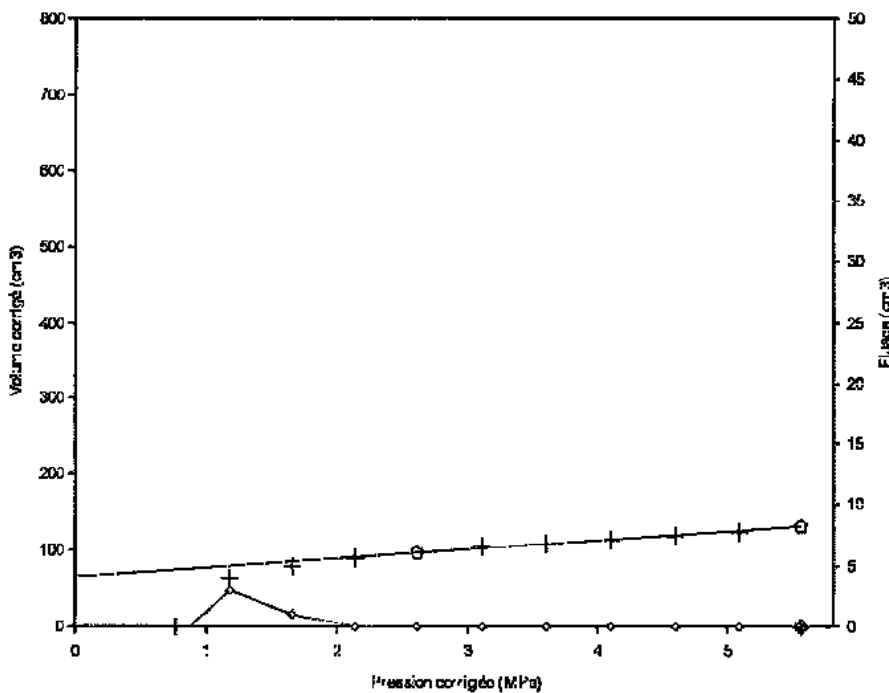
P1 = 9.60	Pmax = 5.51
P1 (h) = 9.60	PC = 4.05
P1 (h) = 6.56	Po = 1.05
P1 (Pf) = 6.08	

Légende:

- : P1(h)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : P1

Sondage: MPM2009-01

Profondeur : 78.00 m



Nappe: 2.05 m
Ks (estimé):
Masse vol. Sol (ρ/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.93 m

N° de l'Inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 3.48 cm³/MPa

(valeurs en MPa)

EM = 147.4

P1 > 5.57	Pmax = 5.57
	PC > 5.57
P1 (Pf) > 8.36	Po = 1.06

Légende:

- : P1(h)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : P1

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

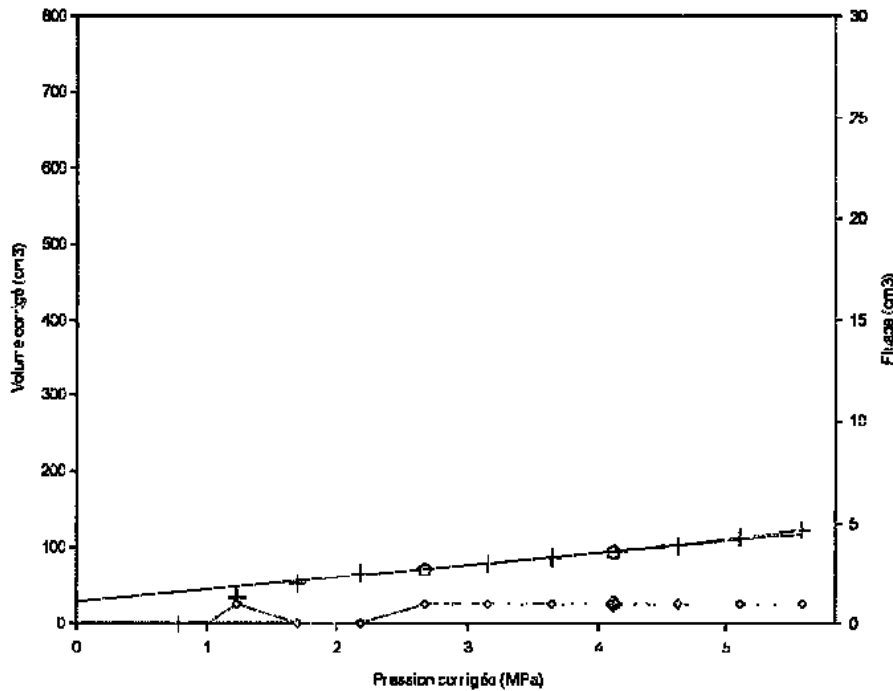
Programme: W-Pressic
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Vichier : 95-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 79.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur de pressiométrie: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilee renforcée
 $\alpha = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_x = 105.4

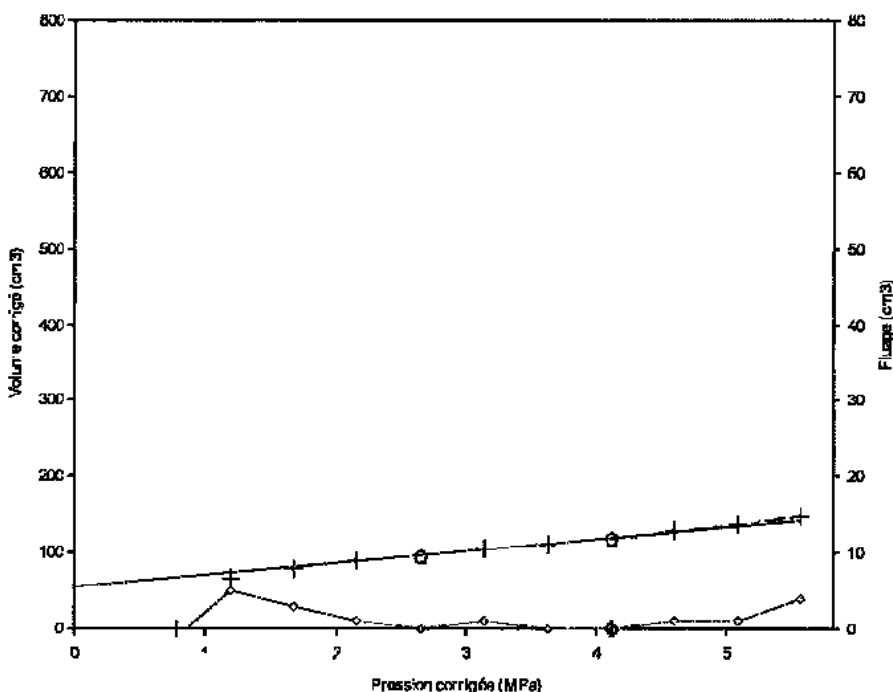
P ₁ = 9.39	P _{max} = 5.59
P _{1(i)} = 9.39	P _f = 4.13
P _{1(h)} = 8.39	P ₀ = 1.07
P _{1(p)} = 6.20	

Légende:

- : P_{1(i)} - - - : P_{1(h)}
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : P_f

Sondage: MPM2009-01

Profondeur : 80.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.6 (estimé)
Hauteur de pressiométrie: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilee renforcée
 $\alpha = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_x = 109.9

P ₁ = 10.66	P _{max} = 5.58
P _{1(i)} = 10.66	P _f = 4.11
P _{1(h)} = 8.82	P ₀ = 1.09
P _{1(p)} = 6.17	

Légende:

- : P_{1(i)} - - - : P_{1(h)}
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOLL. MECHANICS - SIZENWELL C

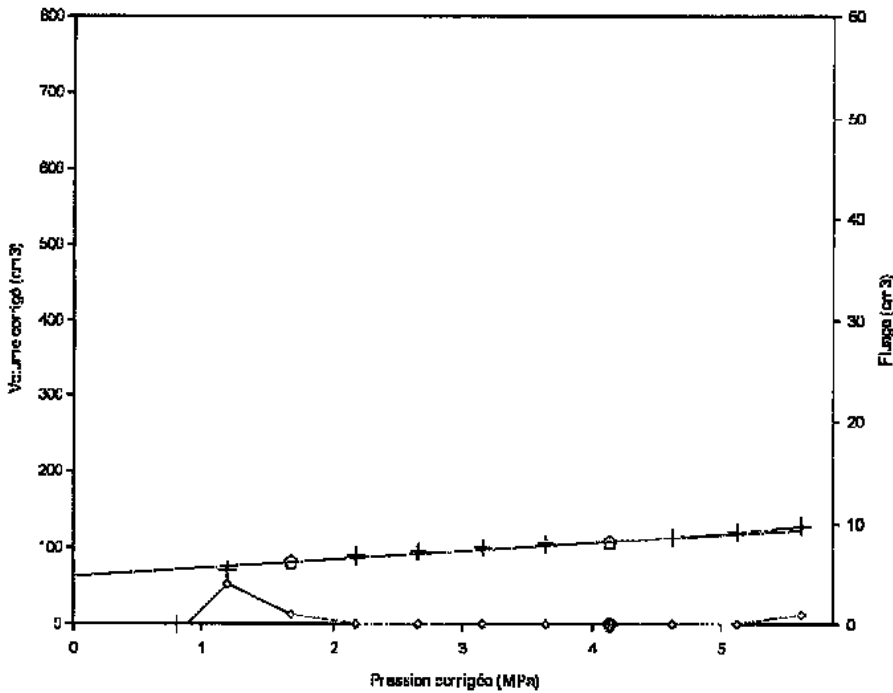
FONDASOL
290 rue des Galoubets
BP 765
84140 MONTEFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:39:50

Sondage: MPM2009-01

Profondeur : 81.00 m



Nappe: 2.05 m
Ks (satimé):
Masse vol. sat (t/m³): 1.8 (satimé)
Hauteur de pression: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_m = 156.4$

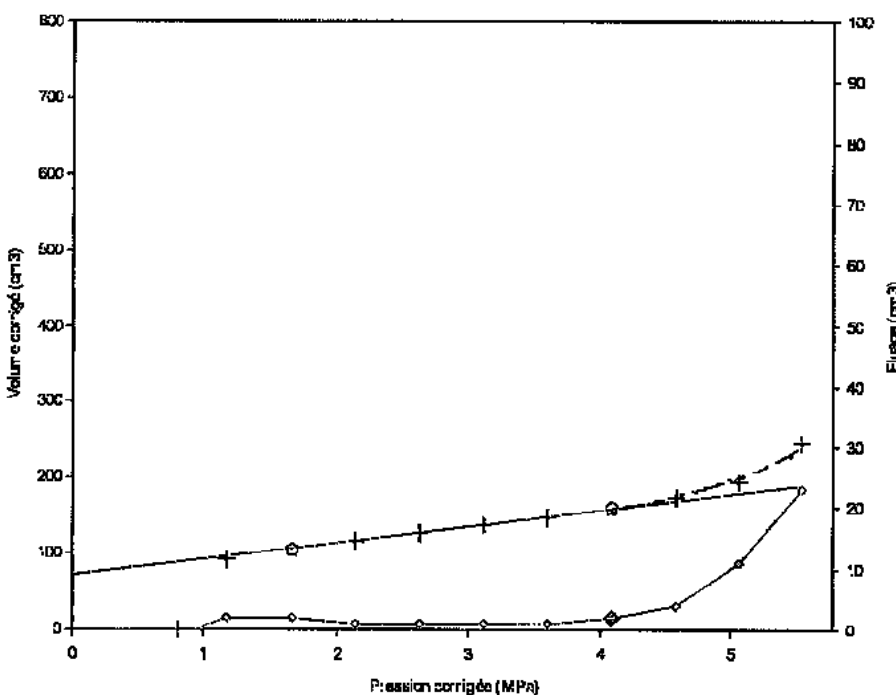
P1 = 12.06	Pmax = 5.60
P1(i) = 12.06	Pf = 4.13
P1(h) = 7.94	Po = 1.10
P1(p1) = 6.20	

Légende:

- : P1(i)
- - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P1

Sondage: MPM2009-01

Profondeur : 82.00 m



Nappe: 2.05 m
Ks (satimé):
Masse vol. sat (t/m³): 1.8 (satimé)
Hauteur de pression: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_m = 81.1$

P1 = 7.55	Pmax = 5.52
P1(i) = 7.55	Pf = 4.09
P1(h) = 6.38	Po = 1.12
P1(p1) = 6.14	

Légende:

- : P1(i)
- - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P1

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

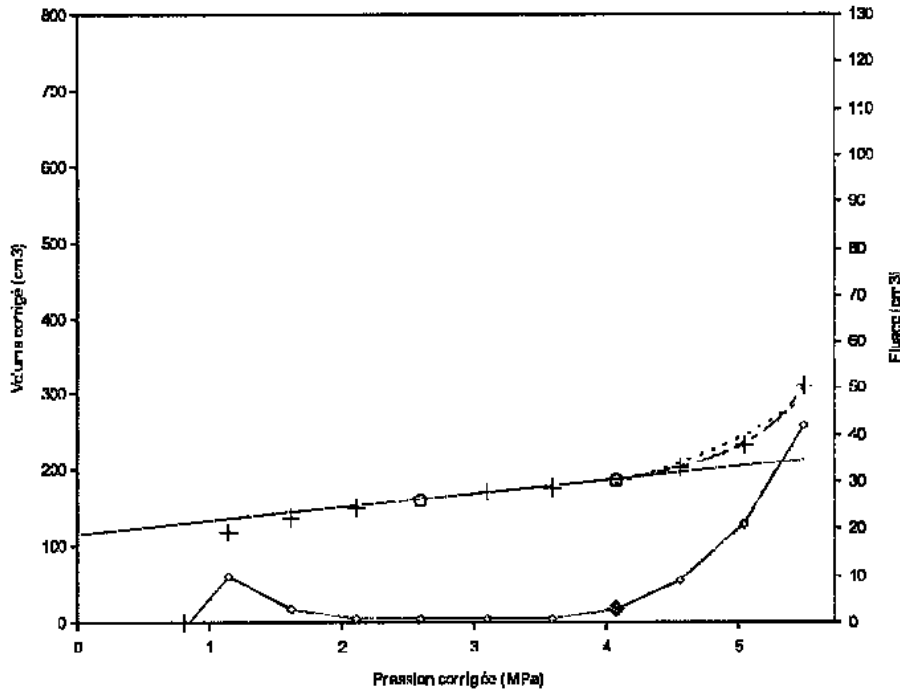
Programme: W-Pressio
Version : 1.1

FONDASOI.
29C rue des Galubets
BP 765
84140 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 83.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.93 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilee renforcée
 $\alpha = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 107.9$

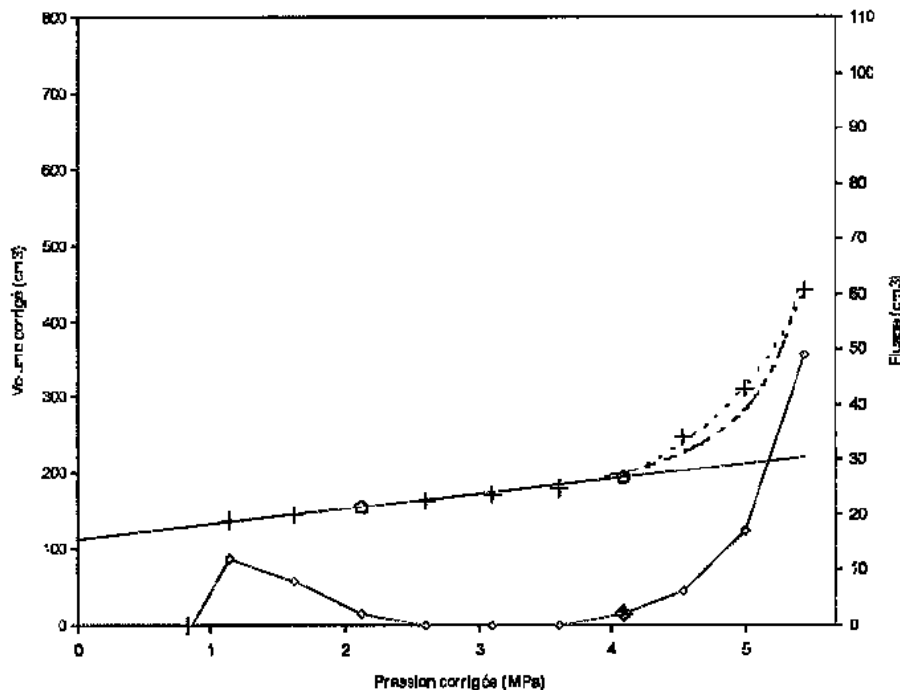
$P_1 = 7.04$	$P_{max} = 5.50$
$P_1(i) = 7.04$	$P_f = 4.08$
$P_1(\bar{n}) = 5.86$	$P_0 = 1.13$
$P_1(P_1) = 6.11$	

Légende:

- : P1(i)
- - - : P1(n)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- ◆ : P1

Sondage: MPM2009-01

Profondeur : 84.00 m



Nappe: 2.05 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.93 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilee renforcée
 $\alpha = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 94.8$

$P_1 = 5.99$	$P_{max} = 5.45$
$P_1(i) = 5.99$	$P_f = 4.08$
$P_1(\bar{n}) = 5.58$	$P_0 = 1.14$
$P_1(P_1) = 6.12$	

Légende:

- : P1(i)
- - - : P1(n)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- ◆ : P1

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIXFHELL C

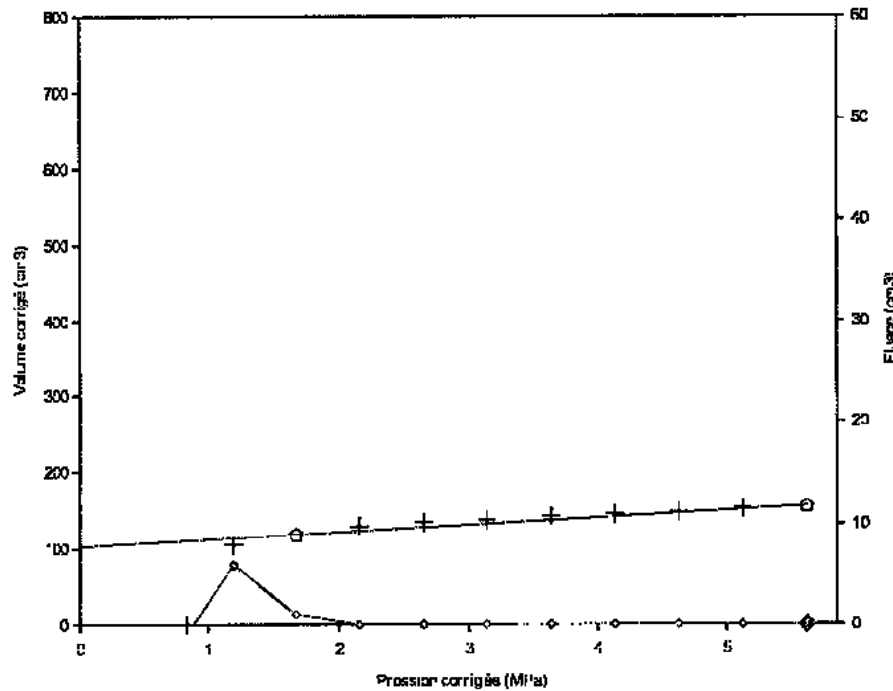
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01

Profondeur : 85.00 m



Nappe: 2.05 m
No (estimé):
Masse Vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: toilée renforcée

$a = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 190.5$

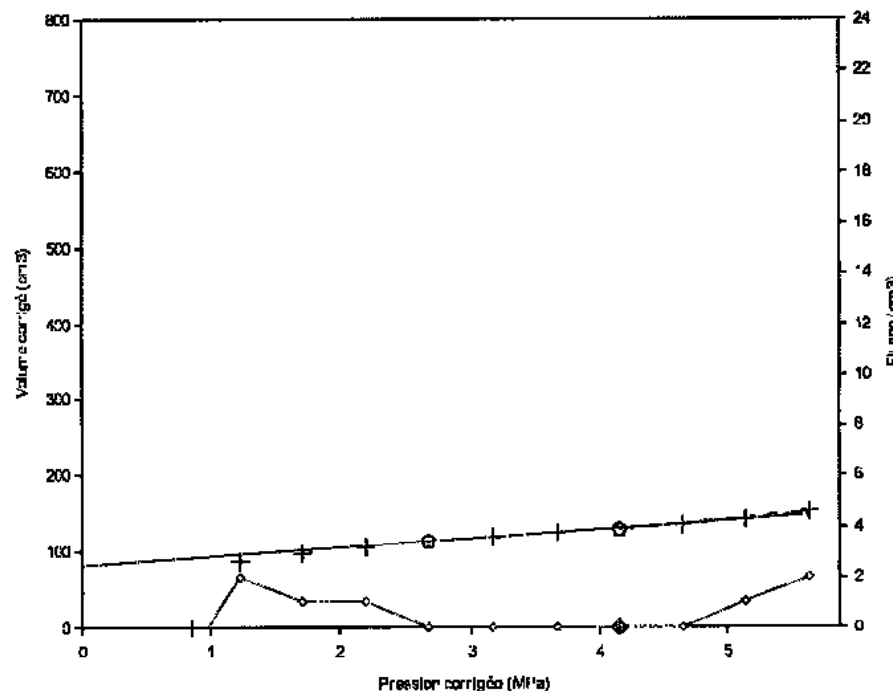
$P_1 > 5.62$ | $P_{max} = 5.62$
 $P_F > 5.62$ | $P_c = 1.16$
 $P_2 (PF) > 8.43$

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- o : fluage ⊙ : PF

Sondage: MPM2009-01

Profondeur : 86.00 m



Type de forage:
Désagrégateur rotation
Nappe: 2.05 m

No (estimé):
Masse Vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: toilée renforcée

$a = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 153.4$

$P_1 = 12.43$ | $P_{max} = 5.63$
 $P_1 (i) = 12.43$ | $P_F = 4.16$
 $P_1 (h) = 9.71$ | $P_c = 1.27$
 $P_2 (PF) = 6.24$

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- o : fluage ⊙ : PF

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

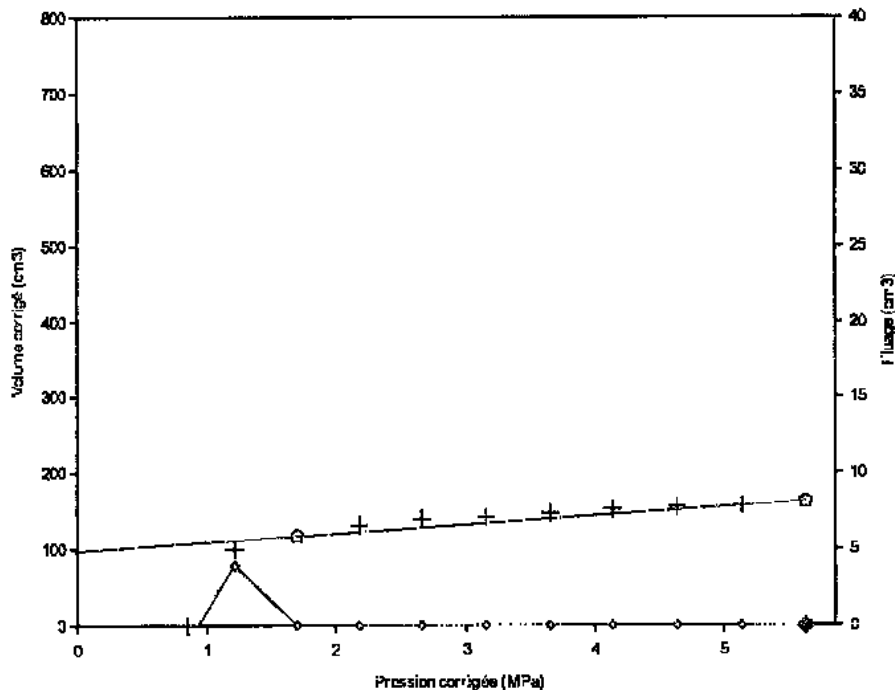
Affaire: SOIL MECHANICS - SIZWELL C

Programme: W-Pressio
Version : 1.1

FONDASOI
29C rue des Galoubets
BP 765
64140 MONTEVALET

Fichier : P5-pl3
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01



Profondeur : 87.00 m

Type de forage:
Désagrégateur rotation
Nappe: 2.05 m

No testiné:
Masse vol. Sol (t/m³): 1.8 (sat. sat)
Sauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toile renforcée

$a = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

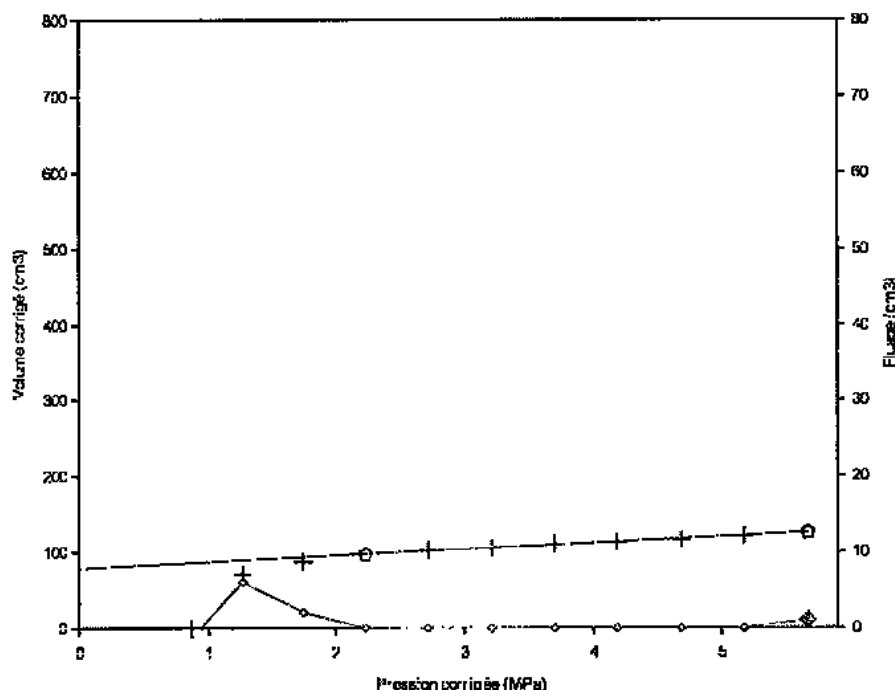
$E_m = 153.5$

$P_1 > 5.63$ | $P_{max} = 5.63$
 $P_f > 5.63$ | $P_c = 1.19$
 $P_1 (P_f) > 8.45$

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : P1

Sondage: MPM2009-01



Profondeur : 88.00 m

Type de forage:
Désagrégateur rotation
Nappe: 2.05 m

No testiné:
Masse vol. Sol (t/m³): 1.8 (sat. sat)
Sauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toile renforcée

$a = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_m = 205.7$

$P_1 > 5.68$ | $P_{max} = 5.68$
 $P_f > 5.68$ | $P_c = 1.20$
 $P_1 (P_f) > 8.52$

Suivant la norme
NFP 94-110-1

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : P1

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

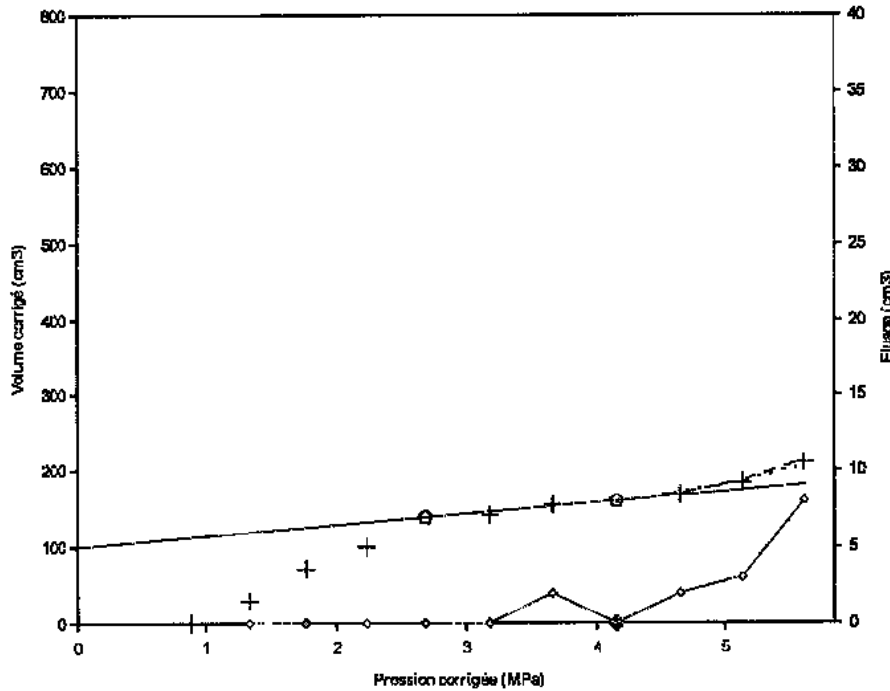
Affaire: SOTL MECHANICS - STÆWELL C

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01



Profondeur : 89.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.05 m
No testinés:
Hauteur vol. Sol (t/m³): 1.8 (testinés)
Hauteur du pressiomètre: 2.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

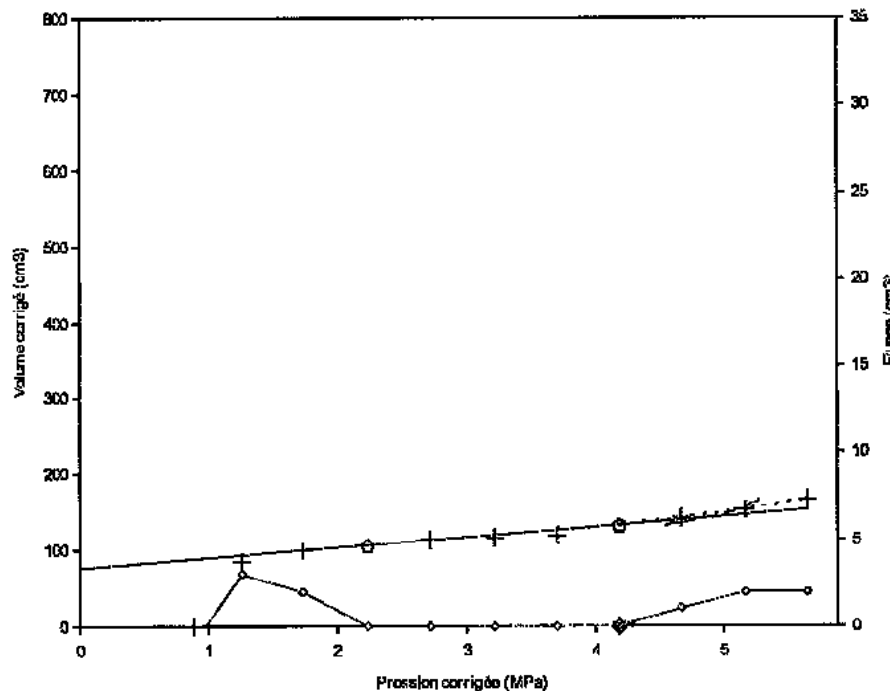
$E_M = 123.2$

$P_1 = 9.20$	$P_{max} = 5.61$
$P_1(i) = 9.20$	$P_f = 4.16$
$P_1(h) = 6.72$	$P_o = 1.23$
$P_1(P_f) = 6.24$	

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

Sondage: MPM2009-01



Profondeur : 90.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.05 m
No testinés:
Hauteur vol. Sol (t/m³): 1.8 (testinés)
Hauteur du pressiomètre: 2.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 131.1$

$P_1 = 10.20$	$P_{max} = 5.66$
$P_1(i) = 10.20$	$P_f = 4.20$
$P_1(h) = 5.83$	$P_o = 1.23$
$P_1(P_f) = 6.29$	

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

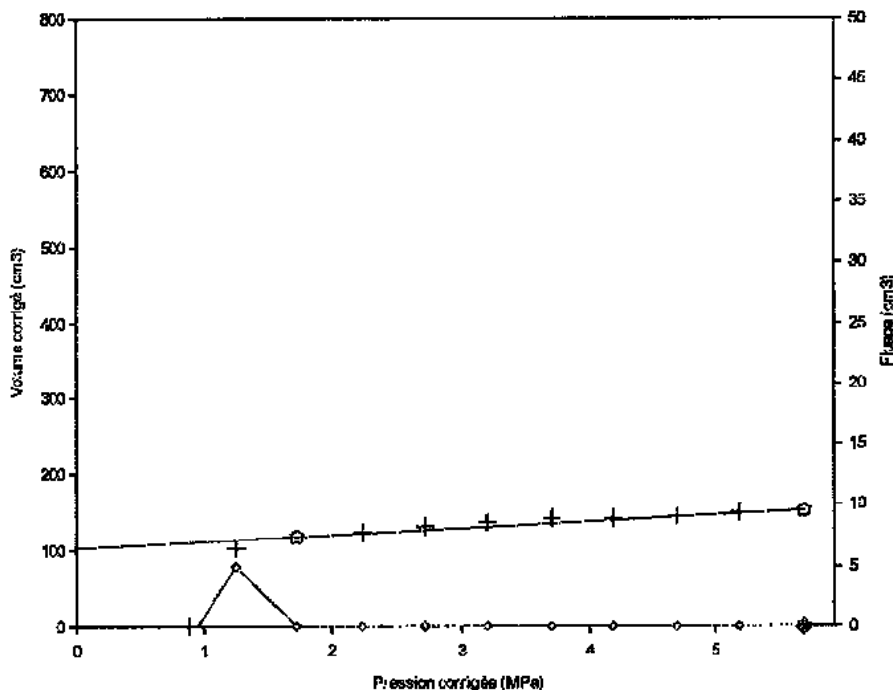
Affaire: SOIL MECHANICS - SIZEWELL C

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01



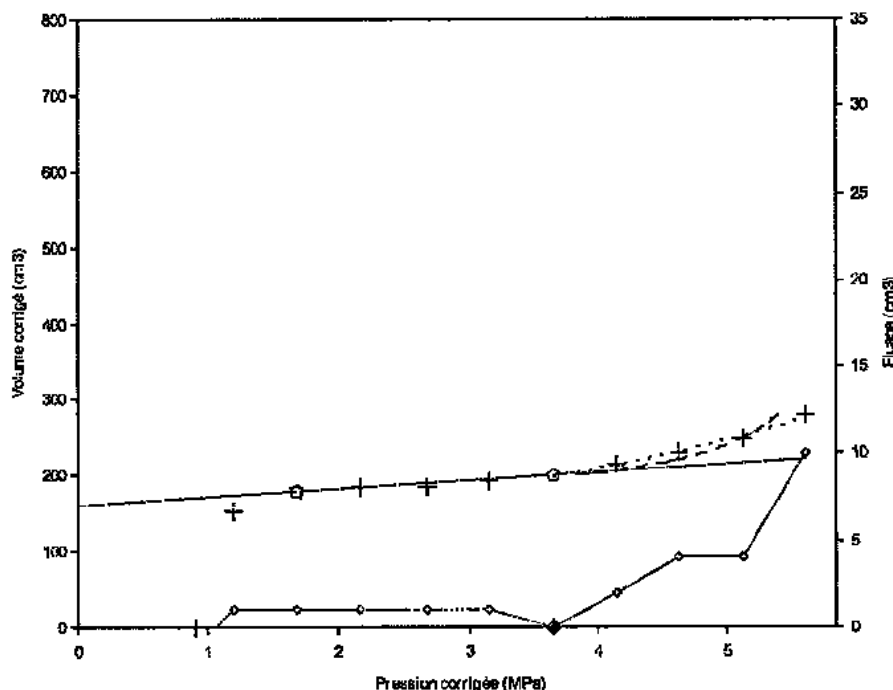
Profondeur : 91.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 200.5$
P_l > 5.68 | P_{max} = 5.68
P_{l(i)} > 5.68 | P_F > 5.68
P_o = 1.24
P_{l(pf)} > 8.52

Légende:
--- : P_{l(i)} - - - : P_{l(h)}
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : P_F

Sondage: MPM2009-01



Profondeur : 92.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 172.8$
P_l = 9.09 | P_{max} = 5.60
P_{l(i)} = 9.09 | P_F = 3.66
P_{l(h)} = 5.95 | P_o = 1.25
P_{l(pf)} = 5.48

Légende:
--- : P_{l(i)} - - - : P_{l(h)}
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : P_F

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

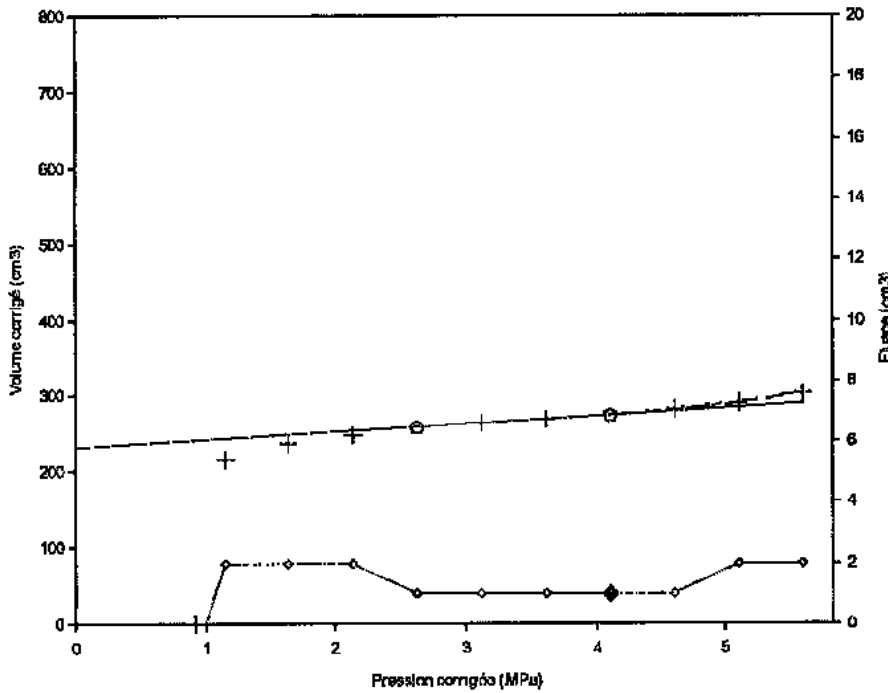
Affaire: SOIL MECHANICS - STZEWELL C

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTEVAUT

Fichier : P5-pl3
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01



Profondeur : 93.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.05 m
No test(n°):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

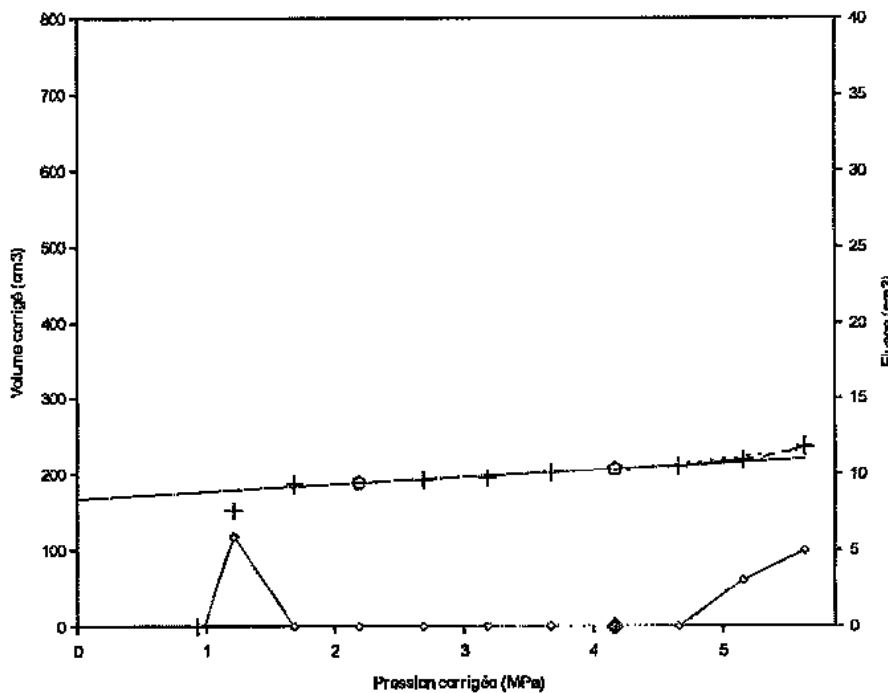
$E_m = 201.0$

$P_1 = 16.42$	$P_{max} = 5.60$
$P_1(i) = 16.42$	$P_f = 4.12$
$P_1(h) = 7.06$	$P_o = 1.27$
$P_1(Pt) = 6.17$	

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : P_f

Sondage: MPM2009-01



Profondeur : 94.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.05 m
No test(n°):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_m = 214.2$

$P_1 = 13.64$	$P_{max} = 5.64$
$P_1(i) = 13.64$	$P_f = 4.17$
$P_1(h) = 6.34$	$P_o = 1.28$
$P_1(Pt) = 6.25$	

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

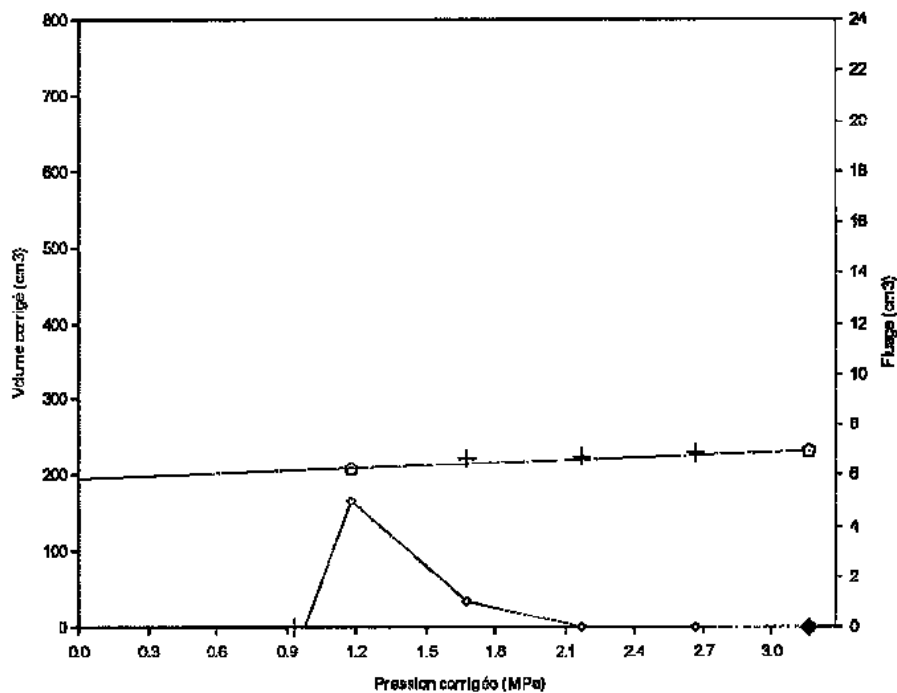
Affaire: SOTL MECHANICS - SIZEWELL C

Programme: W-PRESSIO
Version : 1.1

FONDASOL,
290 rue des Galoubets
BP 765
84140 MONTEVALET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01



Profondeur : 95.00 m

Type de forage:
Désagrégateur rotation

Nappe: 2.05 m

Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 5

Sonde: STANDARD

Gaine: Toilée renforcée

$a = 3.48 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 172.4$

$P_1 > 3.16$ | $P_{max} = 3.16$

$P_f > 3.16$

$P_o = 1.29$

$P_1 (pr) > 4.75$

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$

+ : point de mesure

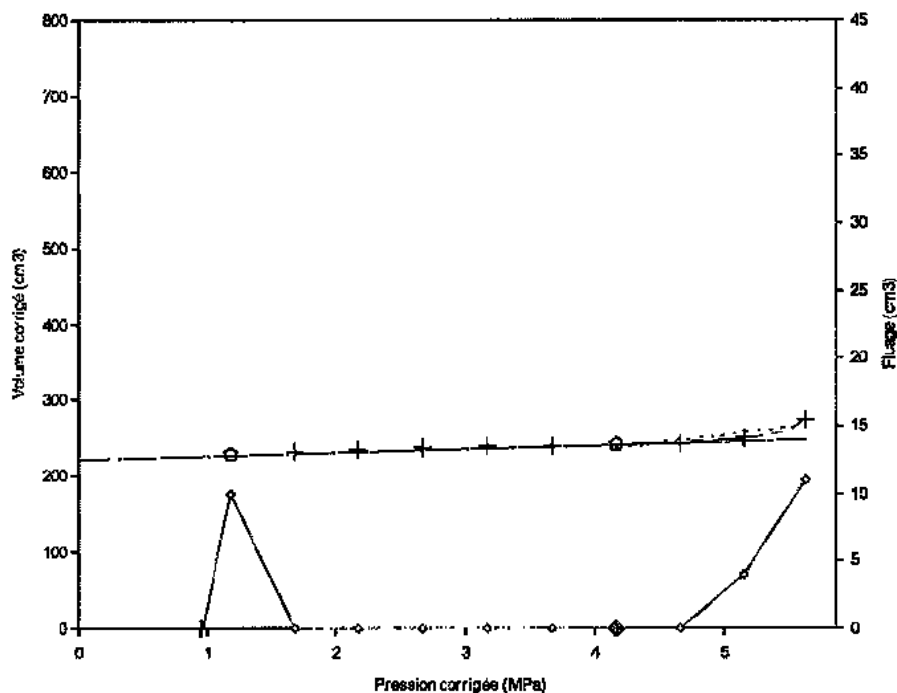
x : point non pris en compte

◻ : extrémité de la phase linéaire

◊ : fluage

◆ : P2

Sondage: MPM2009-01



Profondeur : 96.00 m

Type de forage:
Désagrégateur rotation

Nappe: 2.05 m

Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6

Sonde: TUBE FENDU

Gaine: Toilée renforcée

$a = 3.13 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 464.4$

$P_1 > 5.65$ | $P_{max} = 5.65$

$P_1(i) = 14.17$ | $P_f = 4.17$

$P_1(h) = 5.88$ | $P_o = 1.31$

$P_1 (pr) = 6.25$

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$

+ : point de mesure

x : point non pris en compte

◻ : extrémité de la phase linéaire

◊ : fluage

◆ : P2

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

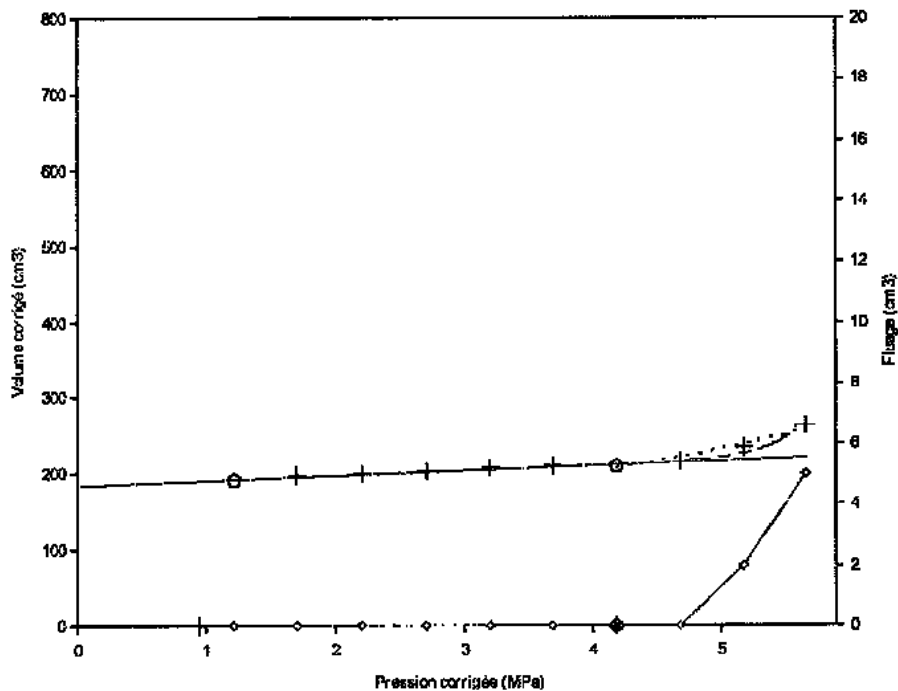
Affaire: SOIL MECHANICS - STÆWELL C

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01



Profondeur : 97.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (est. in situ)
Hauteur du pressiomètre: 2.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: toilée renforcée
 $a = 3.13 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

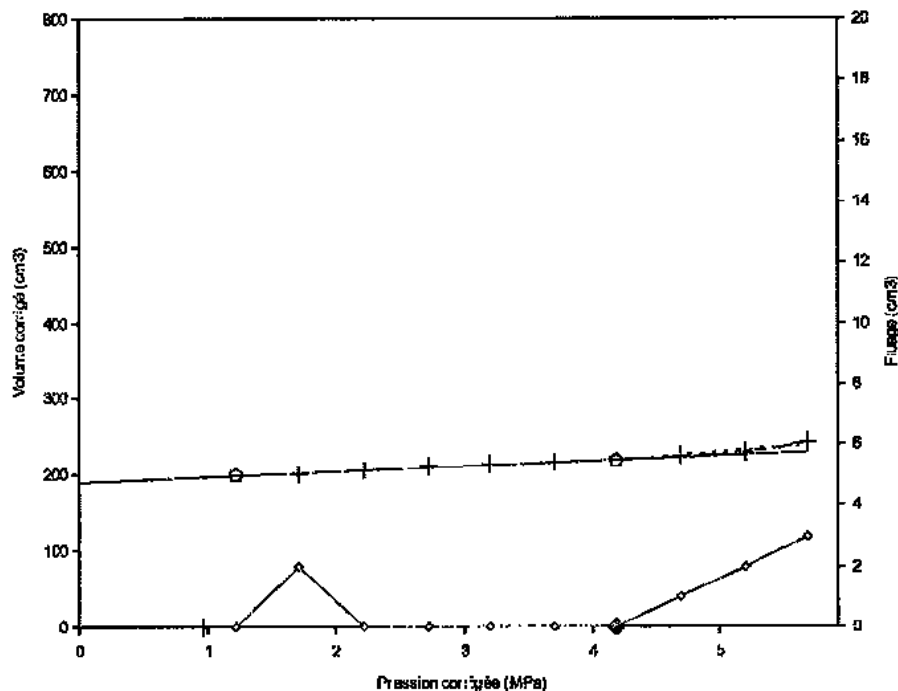
$E_M = 325.0$

$P_1 = 10.07$	$P_{max} = 5.66$
$P_1(i) = 10.07$	$P_f = 4.20$
$P_1(h) = 5.81$	$P_0 = 1.32$
$P_1(P_f) = 6.29$	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◇ : extrémité de la phase linéaire
- : fluage
- ◆ : P_f

Sondage: MPM2009-01



Profondeur : 98.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.05 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (est. in situ)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: toilée renforcée
 $a = 3.13 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 296.1$

$P_1 = 17.18$	$P_{max} = 5.68$
$P_1(i) = 17.18$	$P_f = 4.20$
$P_1(h) = 6.60$	$P_0 = 1.34$
$P_1(P_f) = 6.30$	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◇ : extrémité de la phase linéaire
- : fluage
- ◆ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

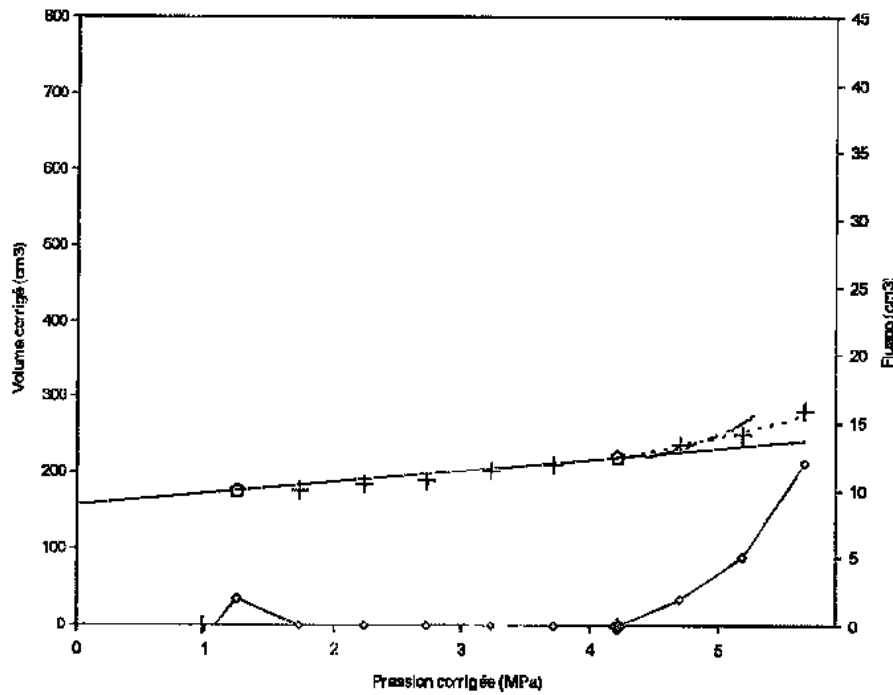
Affaire: SOIL MECHANICS - SIZEWELL C

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P5-p13
Dernière mise à jour:
21/12/2010 17:00:50

Sondage: MPM2009-01



Profondeur : 99.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.05 m
K_a estimé:
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Toilee renforcée
a = 3.13 cm³/MPa

(valeurs en MPa)

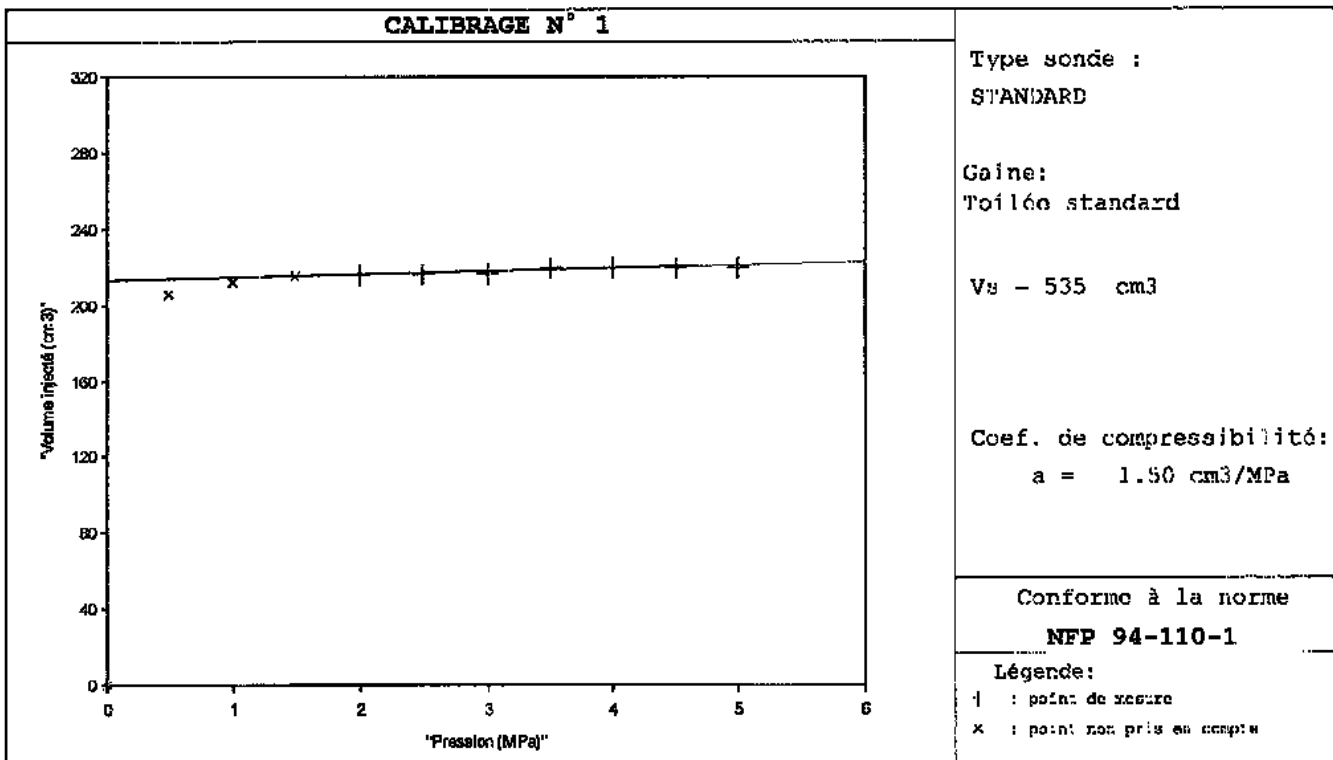
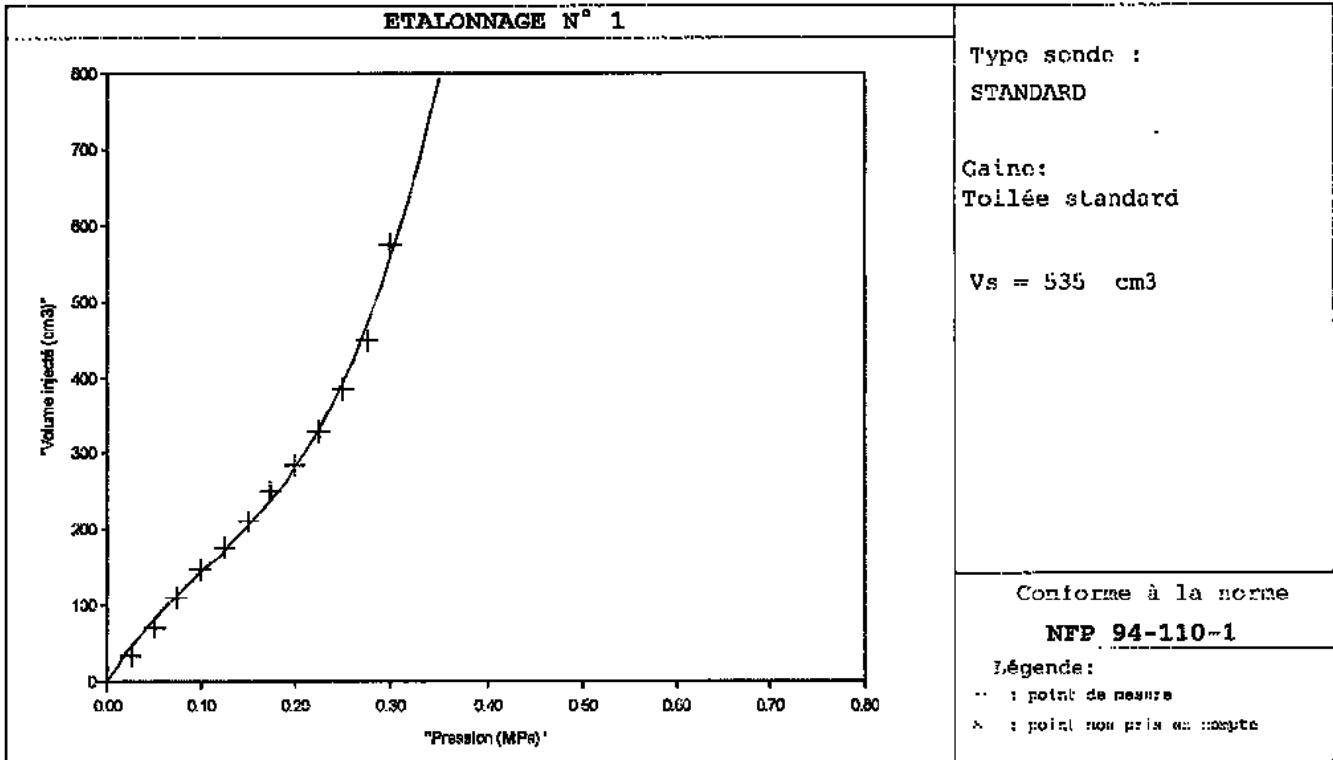
E_M = 134.1

P1 = 9.64	E _{max} = 5.67
P1(i) = 9.64	Pf = 4.21
P1(h) = 6.03	Po = 1.35
P1(Pf) = 6.31	

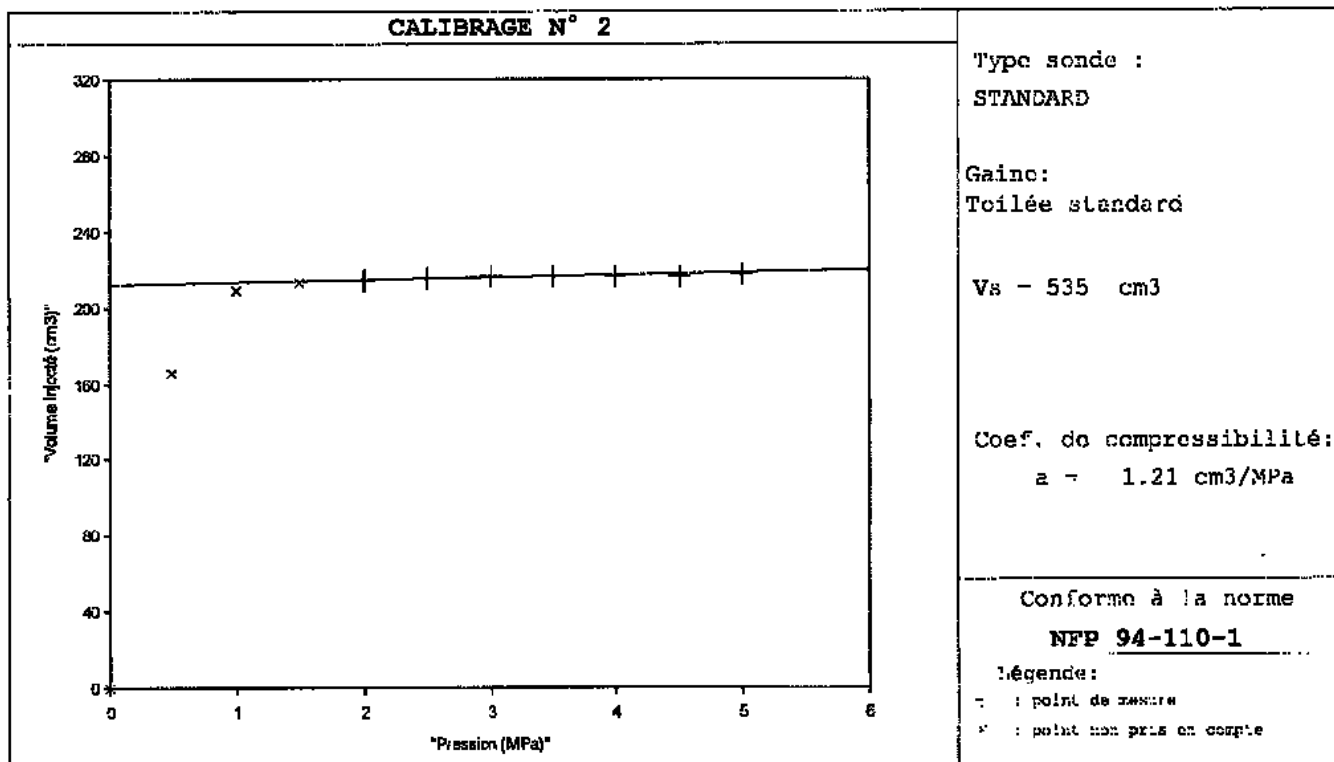
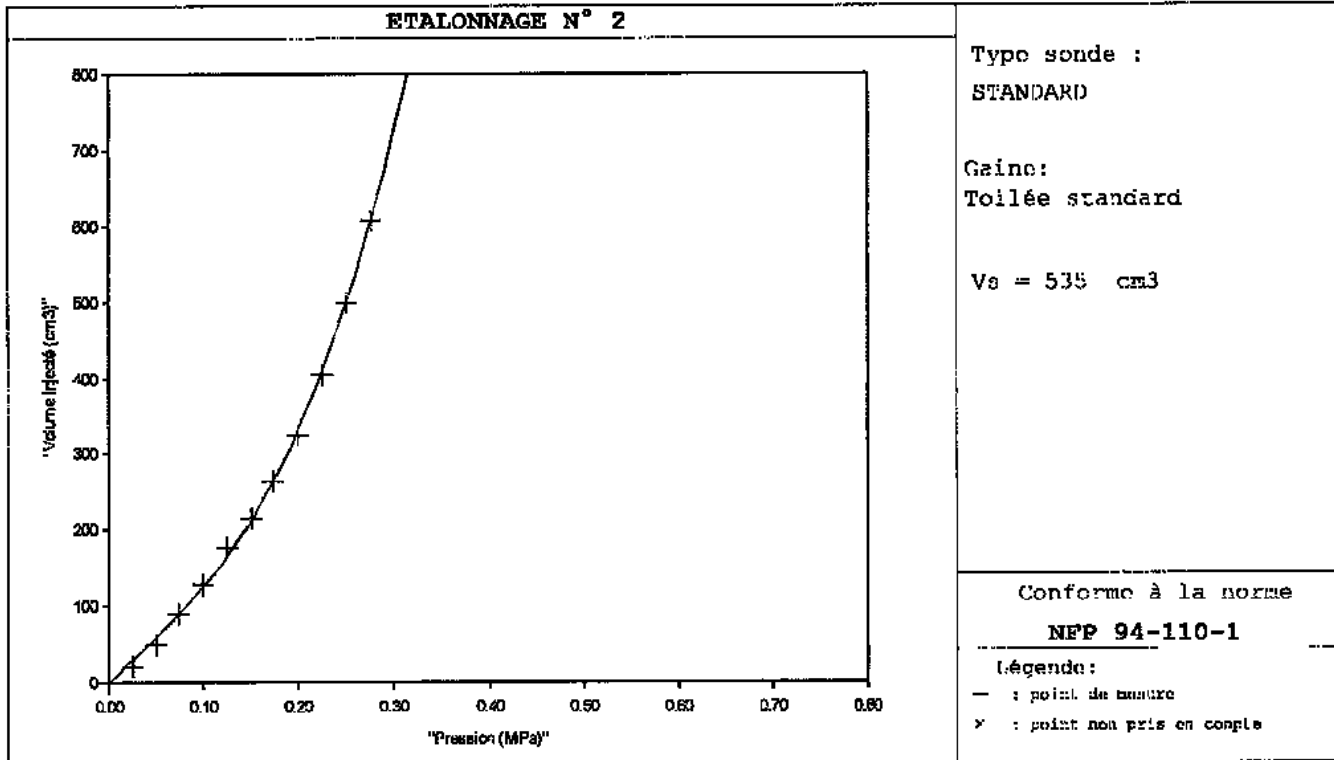
Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : flauge
- o : P1

AFFAIRE N° : ML.100119	ESSAI PRESSIOMETRIQUE (NFP 94-110)
Affaire: SOIL MECHANICS - SIZEWELL C	
FONDASOL 290 rue des Galoubets BP 765 84140 MONTEFAVET	Programme: W-Pressio Version : 1.1 Fichier : P5-p13 Dernière mise à jour: 21/12/2010 17:00:50



AFFAIRE N° : ML.100119	ESSAI PRESSIOMETRIQUE (NFP 94-110)
Affaire: SOIL MECHANICS - SIZEWELL C	
FONDASOL 290 rue des Galoubets HP 765 84140 MONTEVET	Programme: W-Pressio Version : 1.1 Fichier : P5-p13 Dernière mise à jour: 21/12/2010 17:00:50



AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

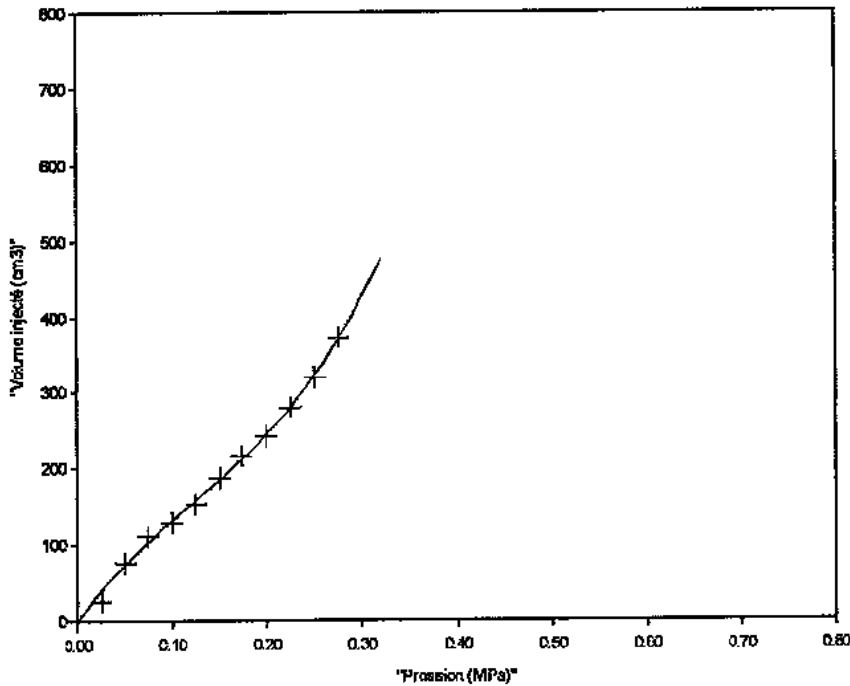
Affaire: SOTI. MECHANICS - SIZWELL C

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : 25-p13
Dernière mise à jour:
21/12/2010 17:00:50

ETALONNAGE N° 3



Type sonde :
STANDARD

Gaine:
Toilée standard

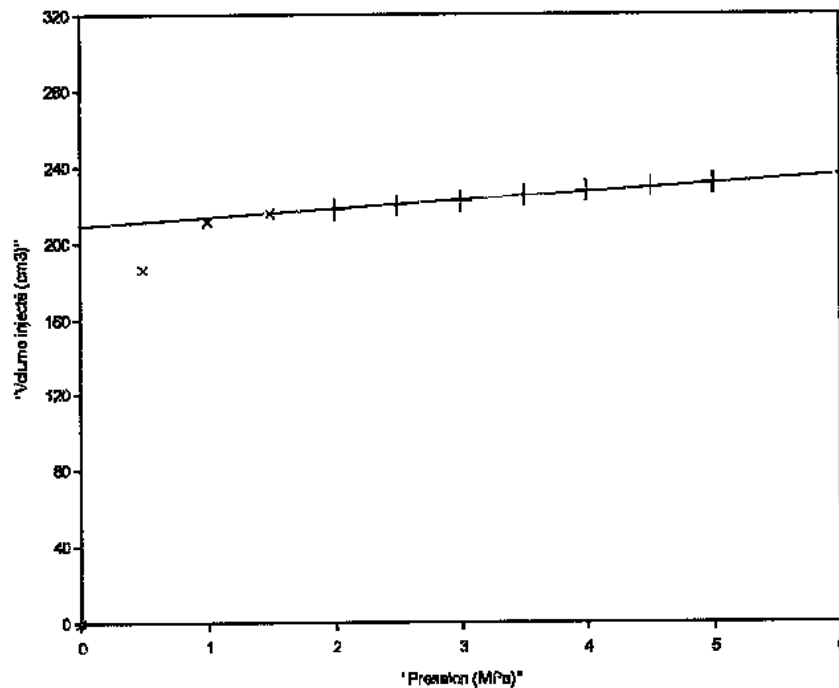
Vs = 535 cm³

Conforme à la norme
NFP 94-110-1

Légende:

- : point de mesure
- x : point non pris en compte

CALIBRAGE N° 3



Type sonde :
STANDARD

Gaine:
Toilée standard

Vs = 535 cm³

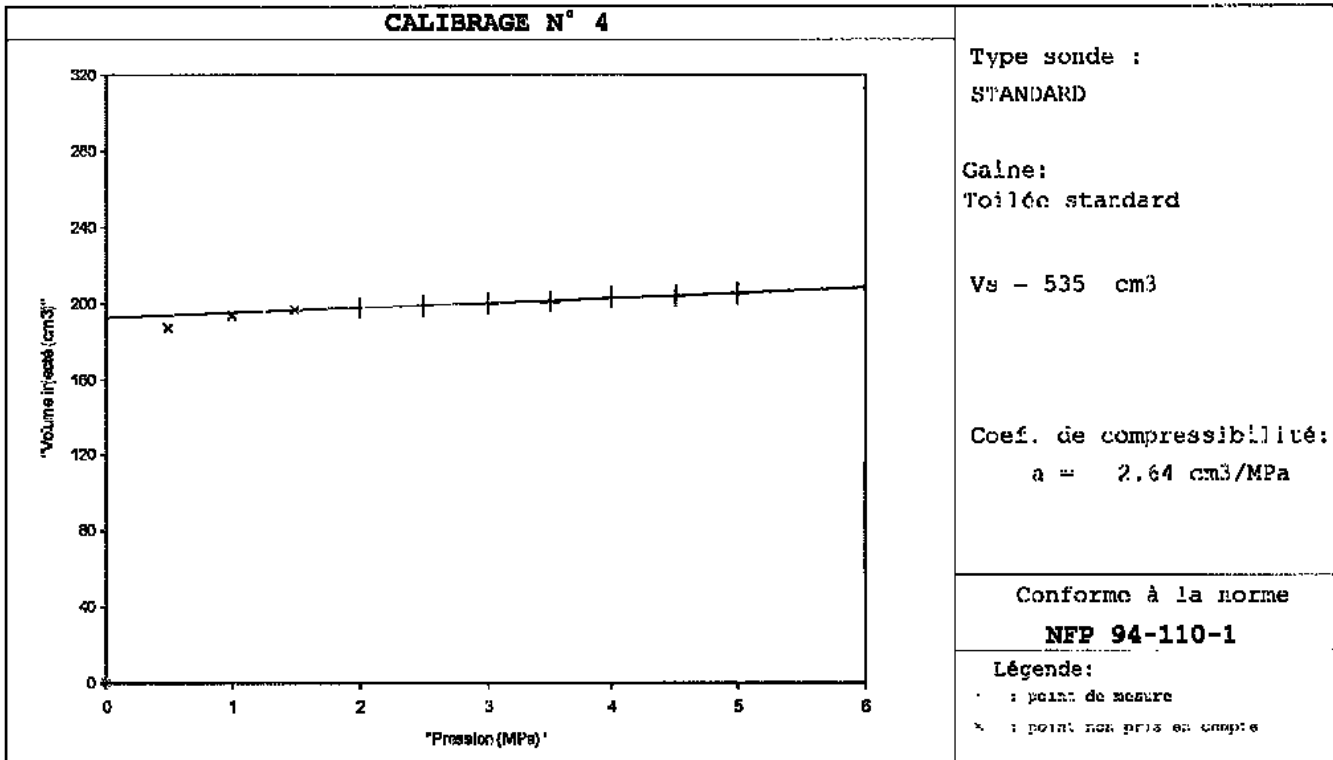
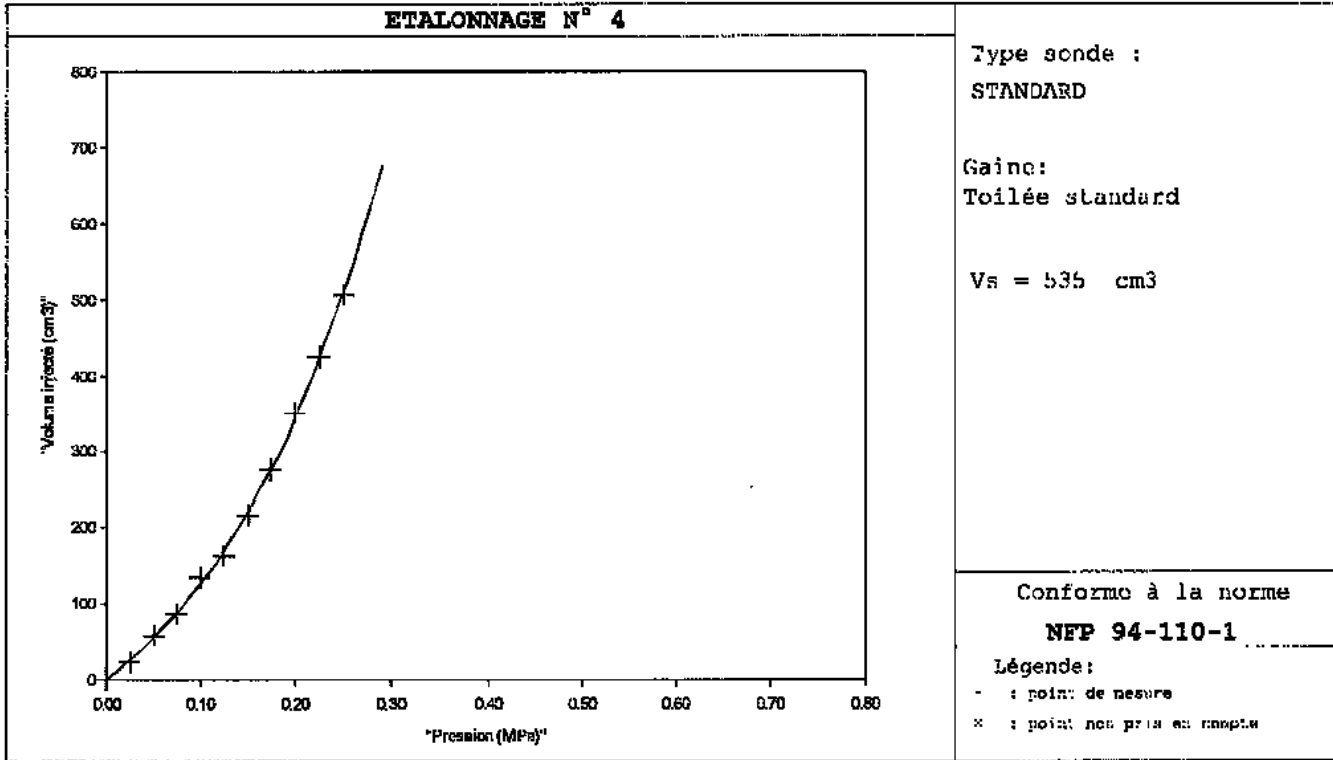
Coef. de compressibilité:
a = 4.43 cm³/MPa

Conforme à la norme
NFP 94-110-1

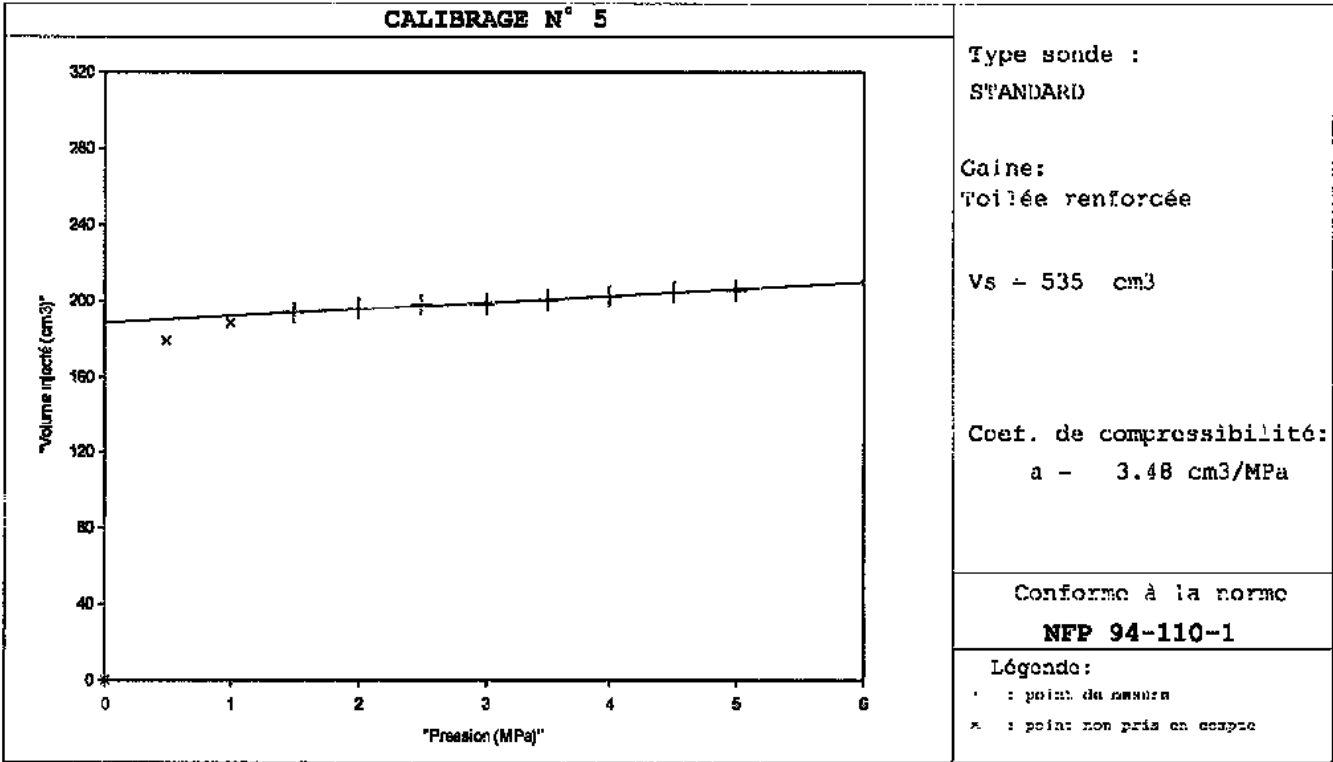
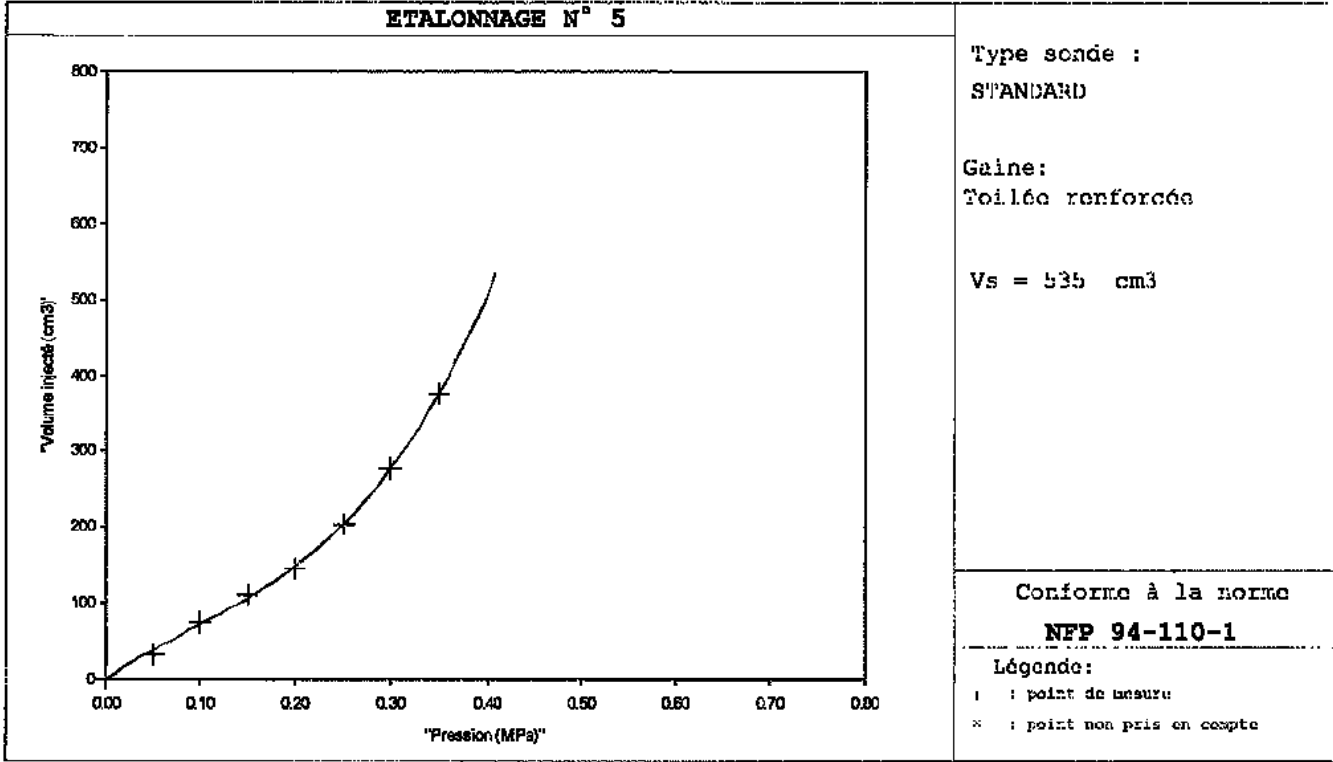
Légende:

- : point de mesure
- x : point non pris en compte

AFFAIRE N° : ML.100119	ESSAI PRESSIOMETRIQUE (NFP 94-110)
Affaire: SOIL MECHANICS - SIZEMWELL C	
FONDASOL 290 rue des Galoubets BP 765 84140 MONTEFAVET	Programme: W-Pressio Version : 1.1 Fichier : F5-p13 Dernière mise à jour: 21/12/2010 17:00:50



AFFAIRE N°: ML.100119	ESSAI PRESSIOMETRIQUE (NFP 94-110)
Affaire: SOIL MECHANICS - SIZEWELL C	
FONDASOL 290 rue des Galoubets BP 765 84140 MONTFAVET	Programme: W-Pressio Version : 1.1 Fichier : P5-p13 Dernière mise à jour: 21/12/2010 17:00:50



AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

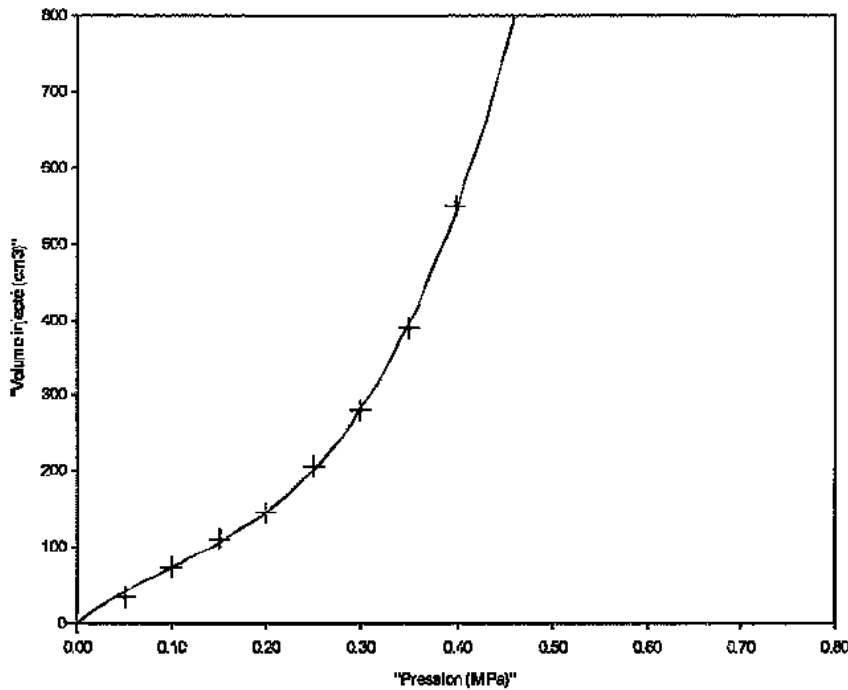
Affaire: SOIL MECHANICS - SIZEWELL C

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : 25-p13
Dernière mise à jour:
21/12/2010 17:00:50

ETALONNAGE N° 6



Type sonde :
TUBE FENDU

Gainc:
Toilée renforcée

Vs = 560 cm³

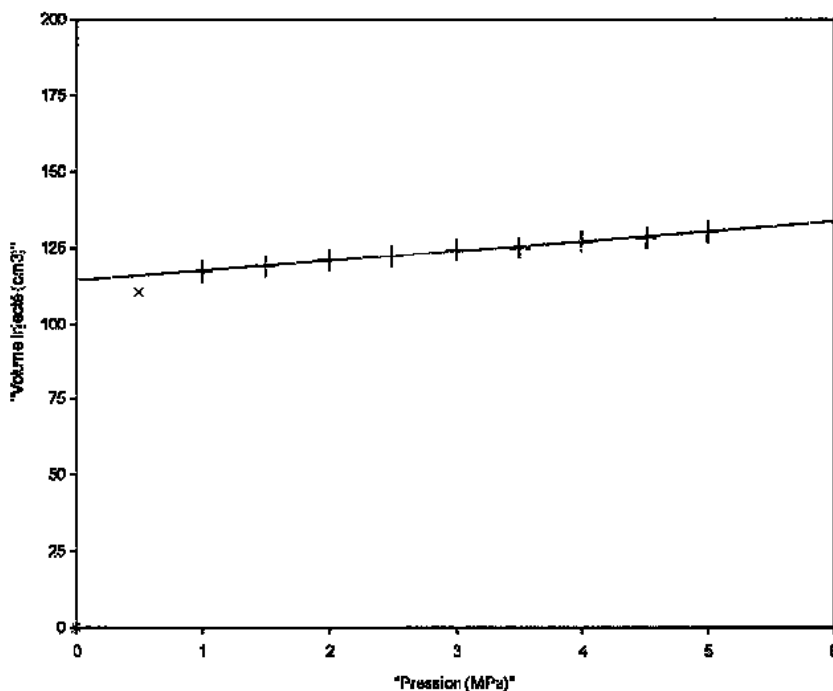
Conforme à la norme

NFP 94-110-1

Légende:

- : point de mesure
- x : point non pris en compte

CALIBRAGE N° 6



Type sonde :
TUBE FENDU

Gainc:
Toilée renforcée

Vs = 560 cm³

Coef. de compressibilité:

a - 3.13 cm³/MPa

Conforme à la norme

NFP 94-110-1

Légende:

- : point de mesure
- x : point non pris en compte

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

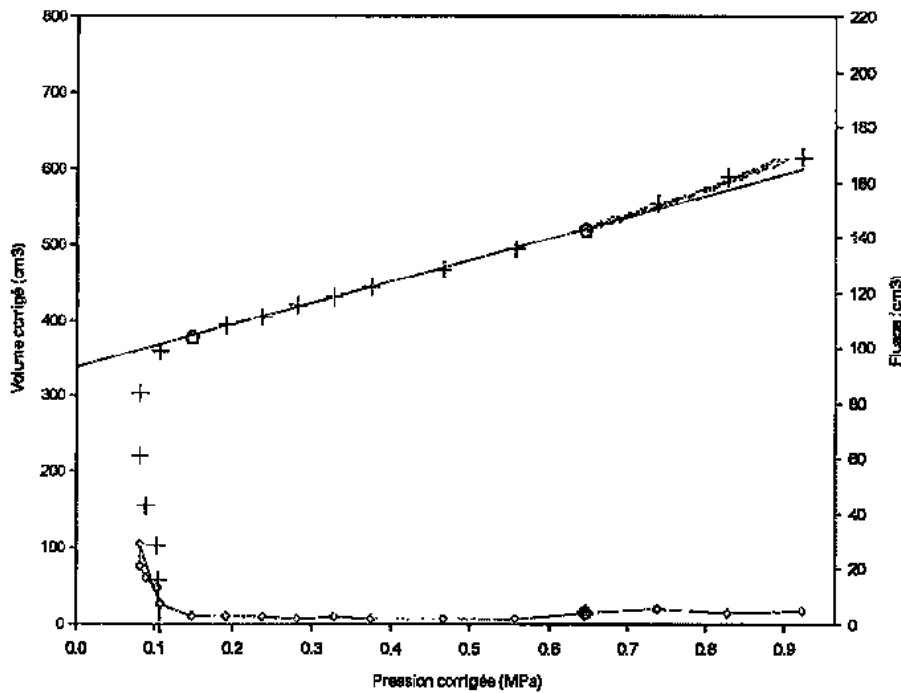
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 10.00 m



Ku (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée standard
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 9.2$

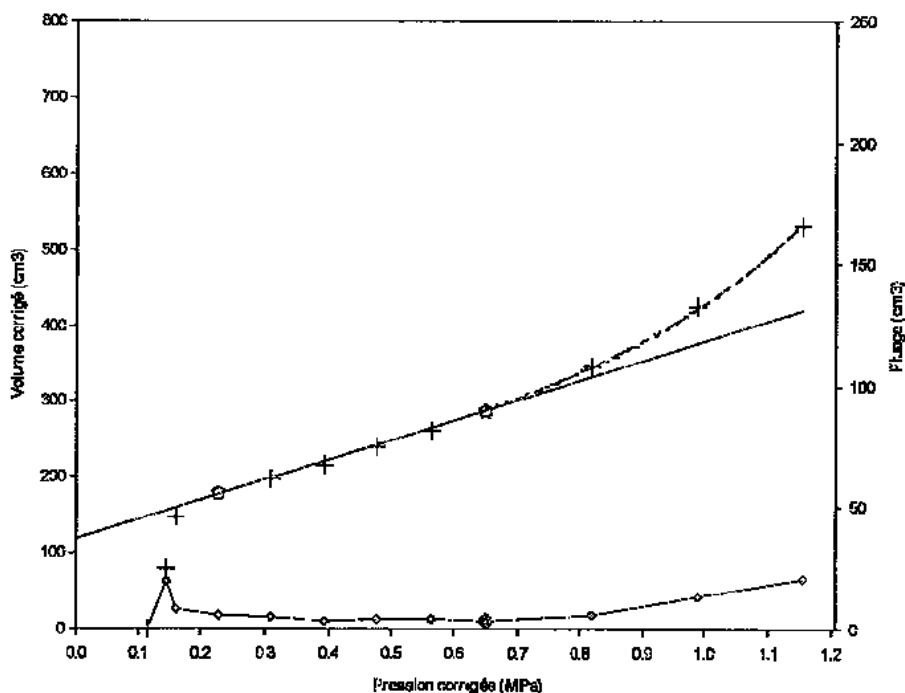
$P_1 = 1.77$ | $P_{max} = 0.92$
 $P_1(i) = 1.77$ | $P_f = 0.65$
 $P_1(h) = 1.49$ | $P_0 = 0.09$
 $P_1(pf) = 0.97$

Légende:

- - - : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluxage
- ◆ : Pf

Sondage: MPM2009-02

Profondeur : 11.00 m



Ku (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée standard
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 7.9$

$P_1 = 1.39$ | $P_{max} = 1.16$
 $P_1(i) = 1.39$ | $P_f = 0.65$
 $P_1(h) = 1.39$ | $P_0 = 0.10$
 $P_1(pf) = 0.97$

Légende:

- - - : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluxage
- ◆ : Pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL, C

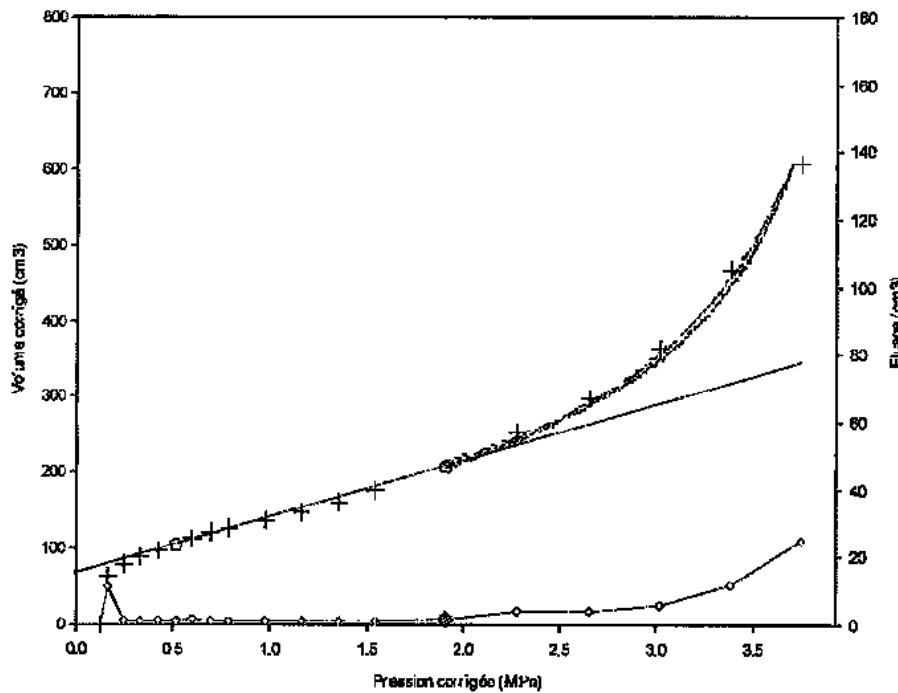
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : 96
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 12.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toile standard
 $a = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 25.0$

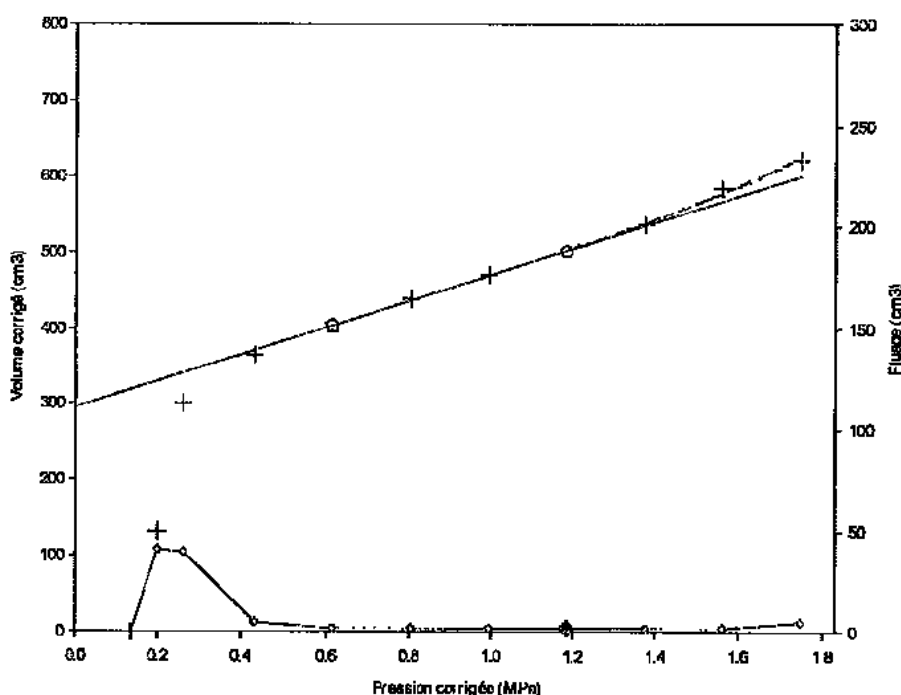
$P_1 = 3.92$	$P_{max} = 3.74$
$P_1(i) = 3.92$	$P_f = 1.91$
$P_1(h) = 3.84$	$P_0 = 0.11$
$P_1(p) = 2.86$	

Légende:

- : $P_1(i)$ --- : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- : Fluage ◆ : P_f

Sondage: MPM2009-02

Profondeur : 13.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toile standard
 $a = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 15.1$

$P_1 = 3.11$	$P_{max} = 1.75$
$P_1(i) = 3.11$	$P_f = 1.18$
$P_1(h) = 2.84$	$P_0 = 0.11$
$P_1(p) = 1.77$	

Légende:

- : $P_1(i)$ --- : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- : Fluage ◆ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOLL. MECHANICS - STREWELL C

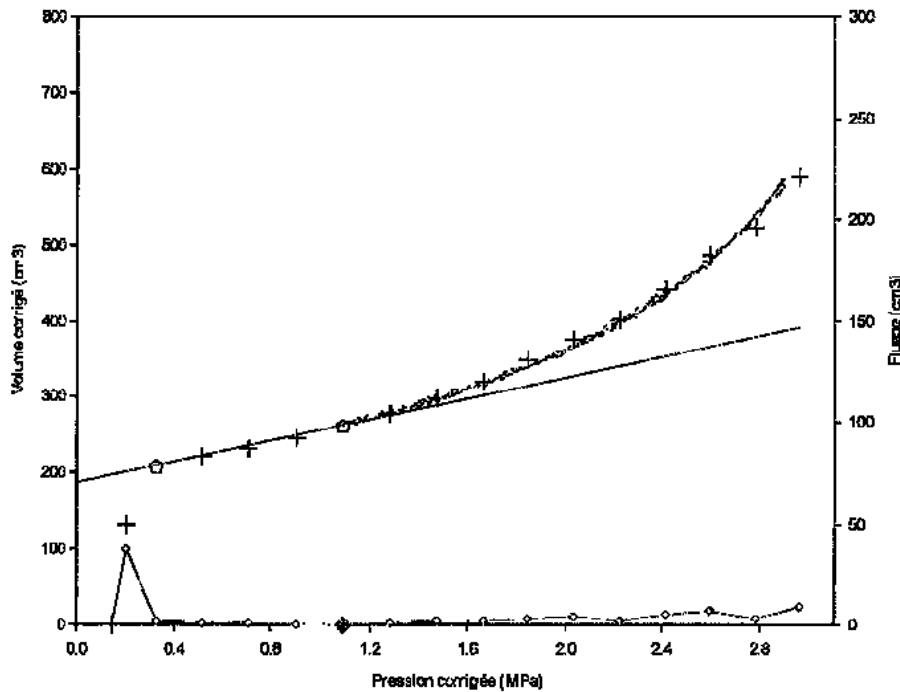
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 14.00 m



Ka (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée standard

$a = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 29.9$

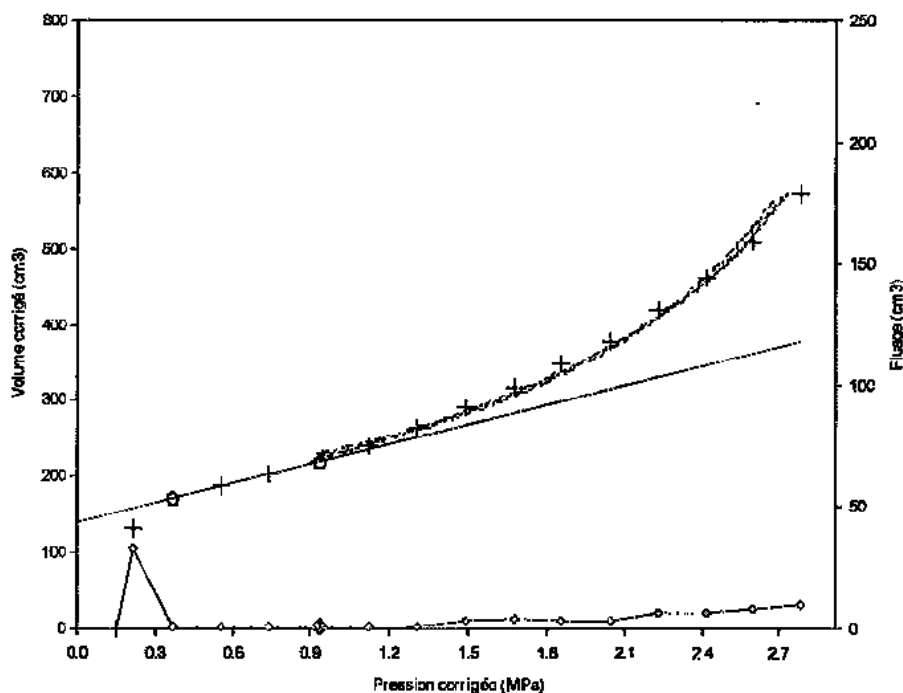
$P_1 = 3.53$	$P_{max} = 2.97$
$P_1(i) = 3.53$	$P_f = 1.09$
$P_1(h) = 3.32$	$P_o = 0.12$
$P_1(pf) = 1.64$	

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fuitage ◆ : P_f

Sondage: MPM2009-02

Profondeur : 15.00 m



Ka (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée standard

$a = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 22.9$

$P_1 = 3.13$	$P_{max} = 2.78$
$P_1(i) = 3.13$	$P_f = 0.93$
$P_1(h) = 3.11$	$P_o = 0.13$
$P_1(pf) = 1.40$	

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fuitage ◆ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NEP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

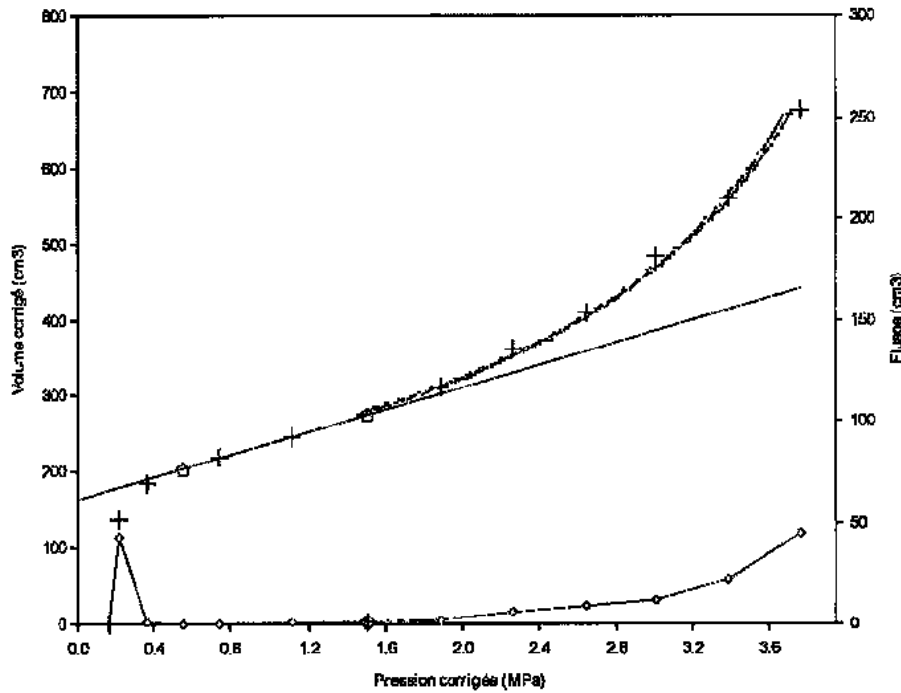
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTEFAVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 16.00 m



Ko estimé:
Masse vol. Sol (t/m³): 1.6 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée standard
 $a = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 27.9$

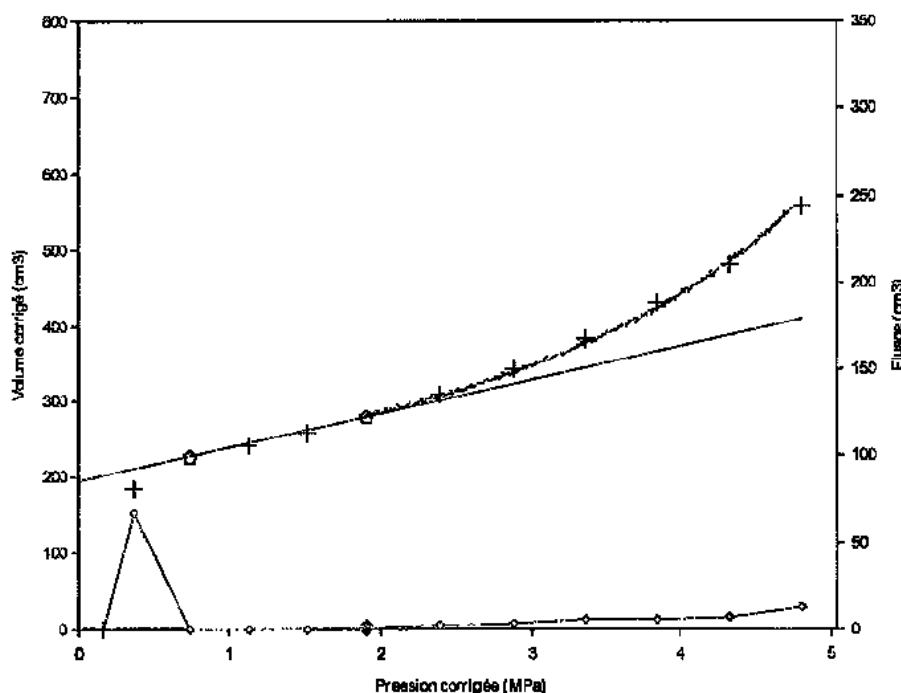
PI = 4.17	Pmax = 3.77
PI(i) = 4.17	Pf = 1.51
PI(h) = 4.11	Po = 0.14
PI(pt) = 2.26	

Légende:

--- : PI(i) - - - : PI(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM2009-02

Profondeur : 17.00 m



Ko estimé:
Masse vol. Sol (t/m³): 1.6 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée standard
 $a = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 47.0$

PI = 6.04	Pmax = 4.81
PI(i) = 6.04	Pf = 1.91
PI(h) = 5.78	Po = 0.15
PI(pt) = 2.87	

Légende:

--- : PI(i) - - - : PI(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Maitre: SOTI MECHANICS - SIZEWELL C

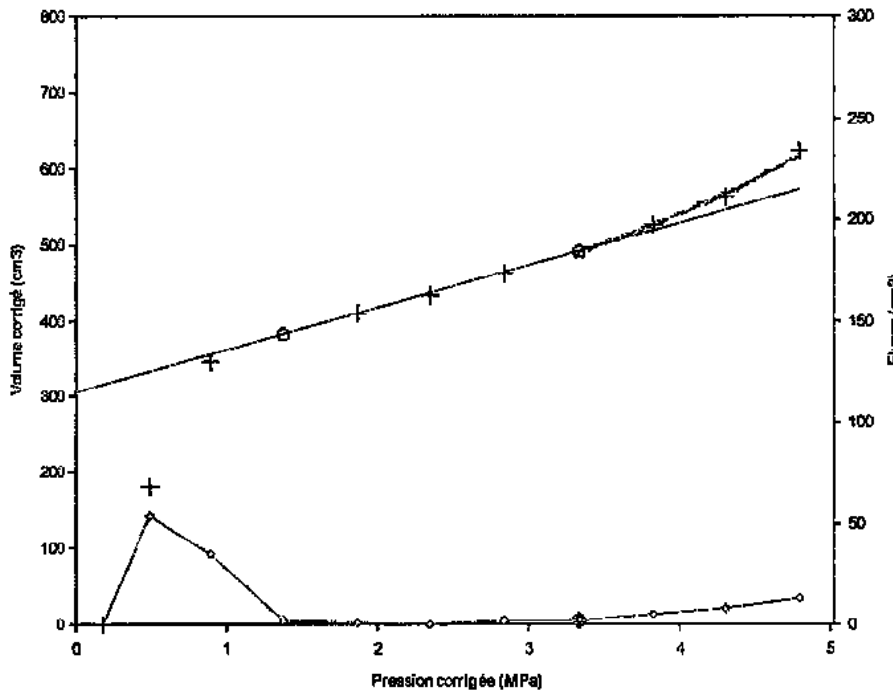
Programme: W-Pressao
Version : 1.1

ONDASOI
29C rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 18.00 m



Ka (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 1

Sonde: STANDARD

Gaine: Toilée standard

a = 3.81 cm³/MPa

(valeurs en MPa)

EM = 46.8

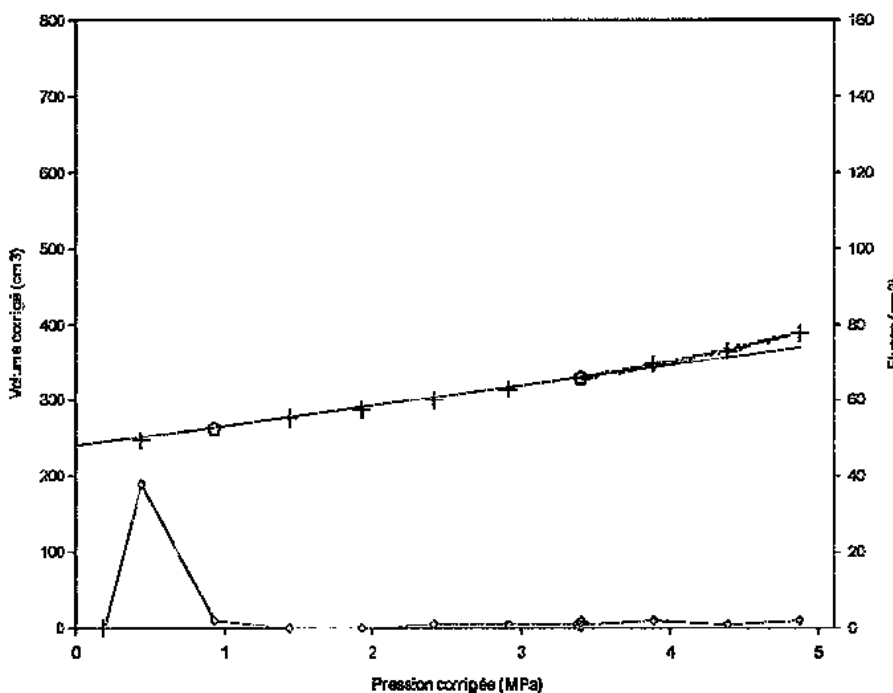
Pl = 7.86	Emax = 4.80
Pl(i) = 7.86	Pf = 3.34
Pl(h) = 7.25	Po = 0.16
Pl(Pl) = 5.00	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM2009-02

Profondeur : 19.00 m



Ka (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 1

Sonde: STANDARD

Gaine: Toilée standard

a = 3.81 cm³/MPa

(valeurs en MPa)

EM = 82.7

Pl = 10.36	Emax = 4.88
Pl(i) = 10.36	Pf = 3.41
Pl(h) = 8.28	Po = 0.17
Pl(Pl) = 5.11	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

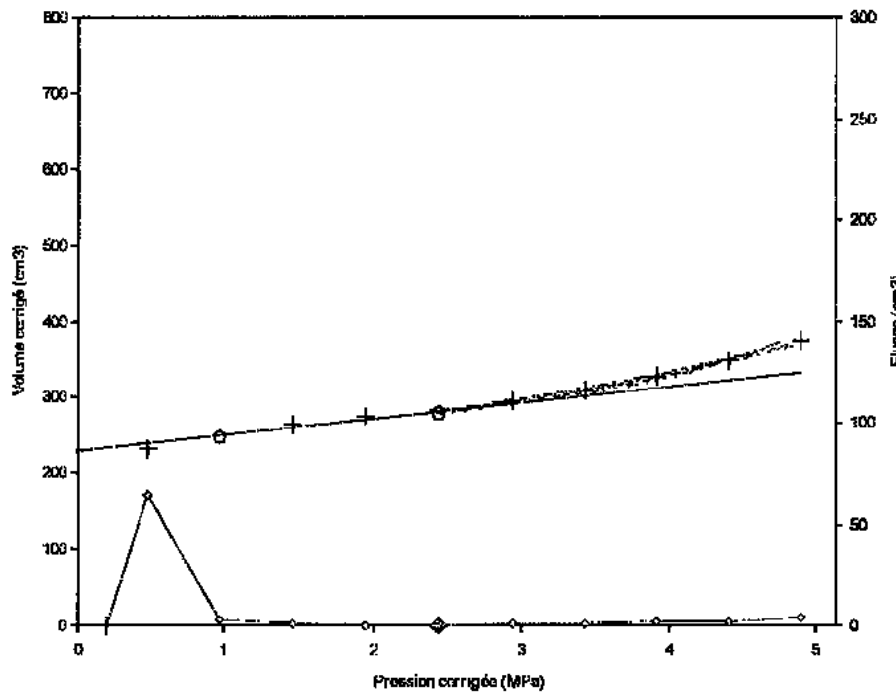
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 20.00 m



K_0 (estimé):
Masse Vol. Sol (t/m³): 1.6 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Tôlée standard

$\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 99.1$

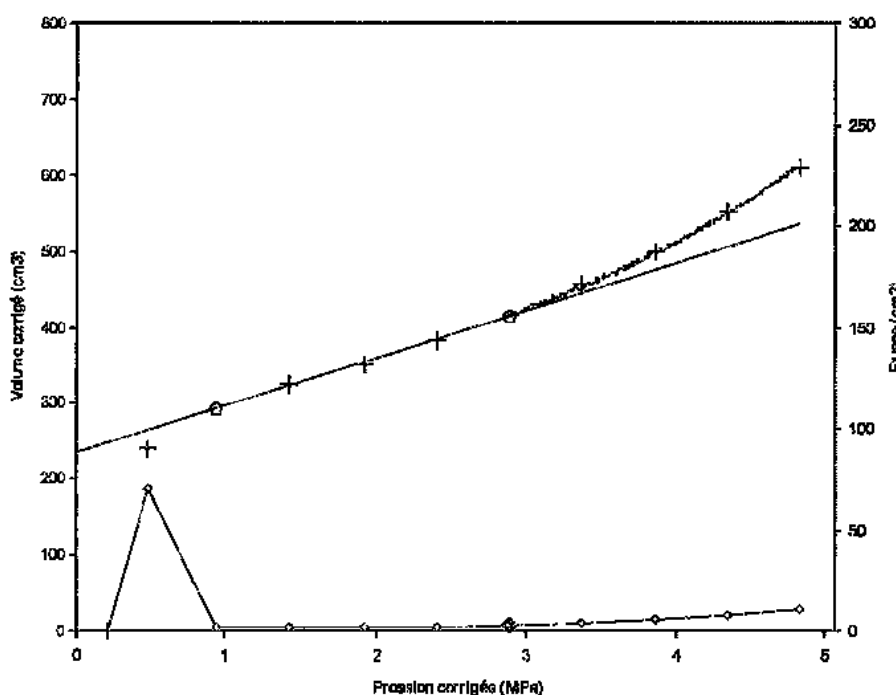
$P_1 = 9.80$	$P_{max} = 4.90$
$P_1(i) = 9.80$	$P_f = 2.44$
$P_1(h) = 6.38$	$P_0 = 0.18$
$P_1(pf) = 3.66$	

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

Sondage: MPM2009-02

Profondeur : 21.00 m



K_0 (estimé):
Masse Vol. Sol (t/m³): 1.6 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Tôlée standard

$\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 37.9$

$P_1 = 6.81$	$P_{max} = 4.83$
$P_1(i) = 6.81$	$P_f = 2.89$
$P_1(h) = 6.60$	$P_0 = 0.19$
$P_1(pf) = 4.34$	

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

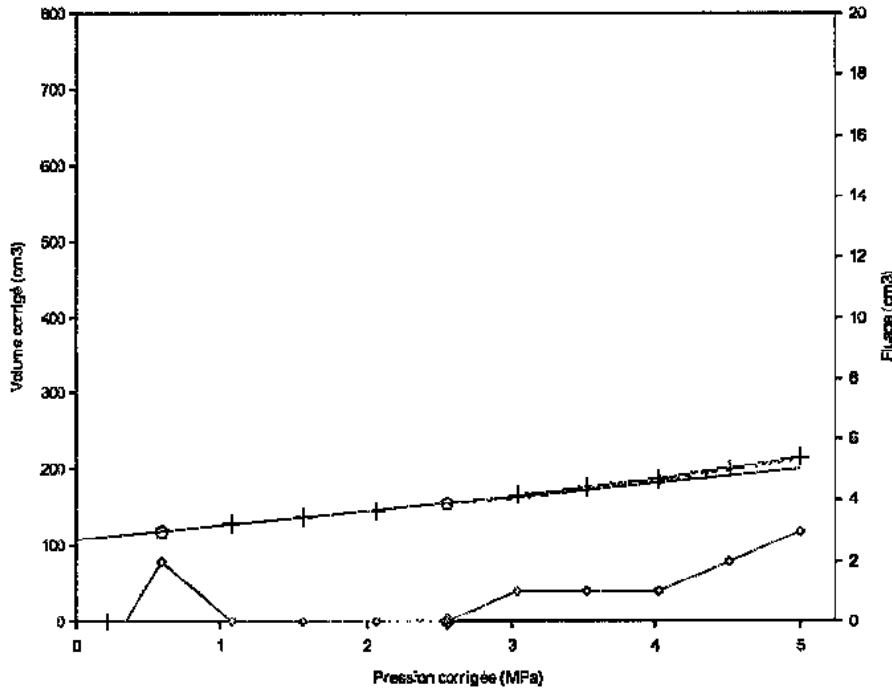
Programme: W-Pressio
Version : 1.1

FONDASOI,
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 22.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.98 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée standard
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

EM = 96.2

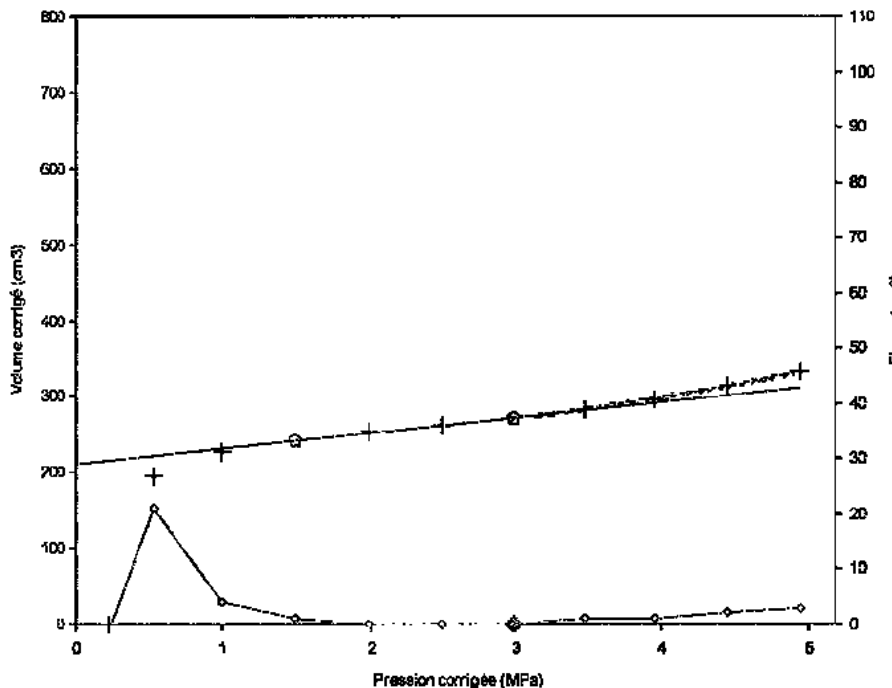
PI = 9.66	Pmax = 5.00
PI(i) = 9.66	PF = 2.56
PI(h) = 9.35	Po = 0.19
PI(p) = 3.83	

Légende:

- : PI(i)
- : PI(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- o : P1

Sondage: MPM2009-02

Profondeur : 23.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.98 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée standard
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

EM = 104.7

PI = 10.82	Pmax = 4.94
PI(i) = 10.82	PF = 2.98
PI(h) = 7.78	Po = 0.20
PI(p) = 4.46	

Légende:

- : PI(i)
- : PI(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- o : P1

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

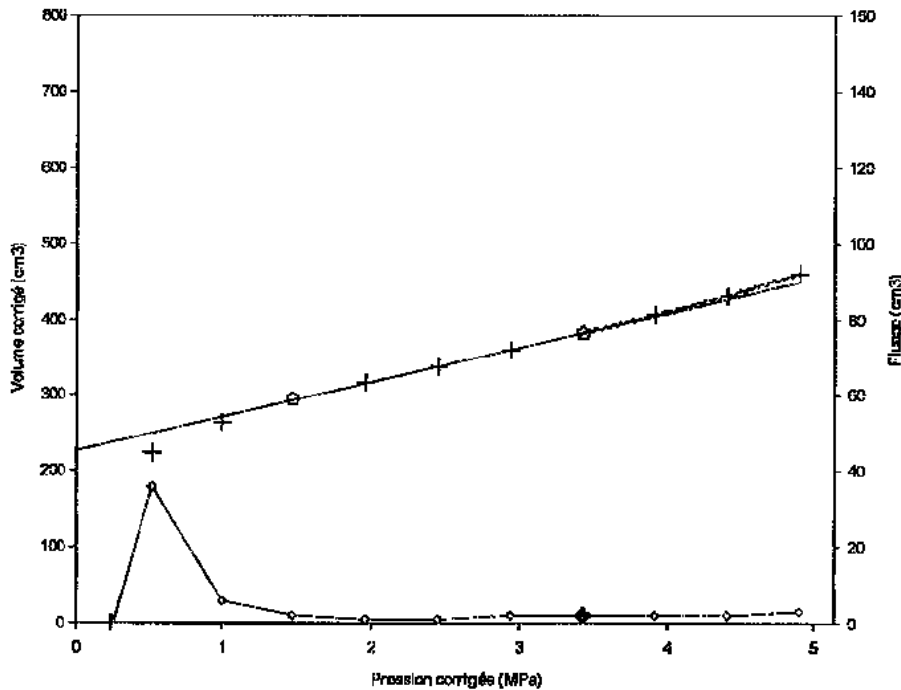
Programme: W-Pressio
Version : 1.1

FONDASOI.
290 rue des Galoubets
BP 765
84140 MONTEVAUST

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 24.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée standard
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 51.5$

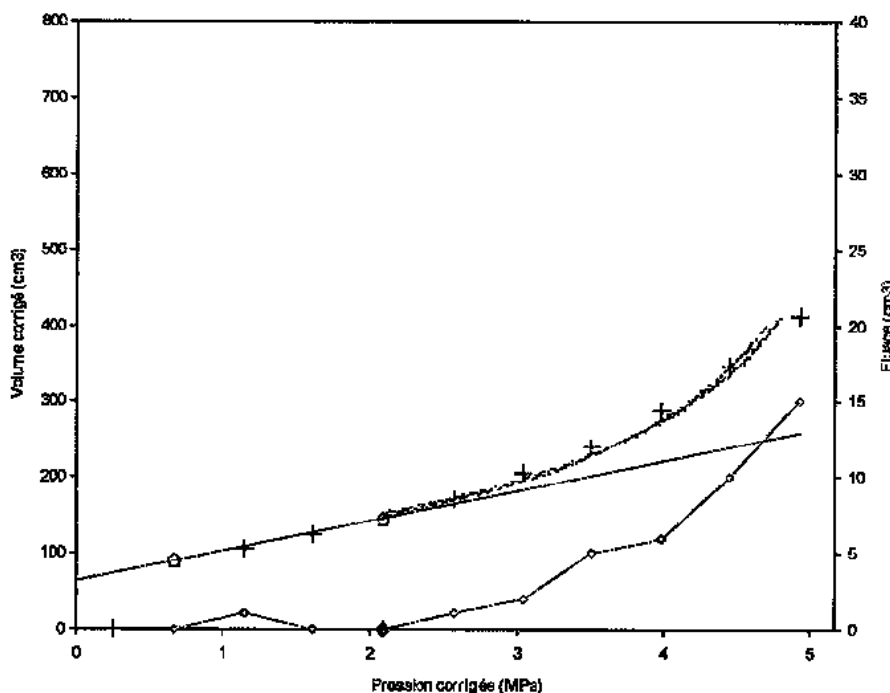
$P_1 = 9.47$	$P_{max} = 4.90$
$P_1(i) = 9.47$	$P_f = 3.43$
$P_1(h) = 10.09$	$P_0 = 0.21$
$P_1(p) = 5.15$	

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
♦ : fluage

Sondage: MPM2009-02

Profondeur : 25.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée standard
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 43.8$

$P_1 = 5.42$	$P_{max} = 4.93$
$P_1(i) = 5.42$	$P_f = 2.10$
$P_1(h) = 5.37$	$P_0 = 0.22$
$P_1(p) = 3.14$	

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
♦ : fluage

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

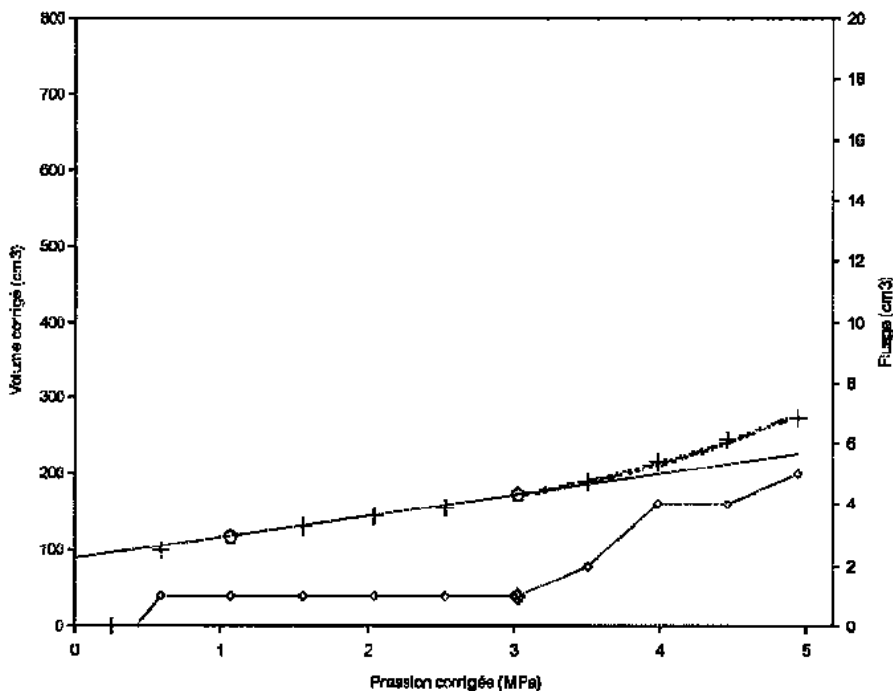
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 26.00 m



Ko (centimés):
Masse vol. Sol (t/m³): 1.8 (centimés)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a 3.00 cm³/MPa

(valeurs en MPa)

EM = 67.6

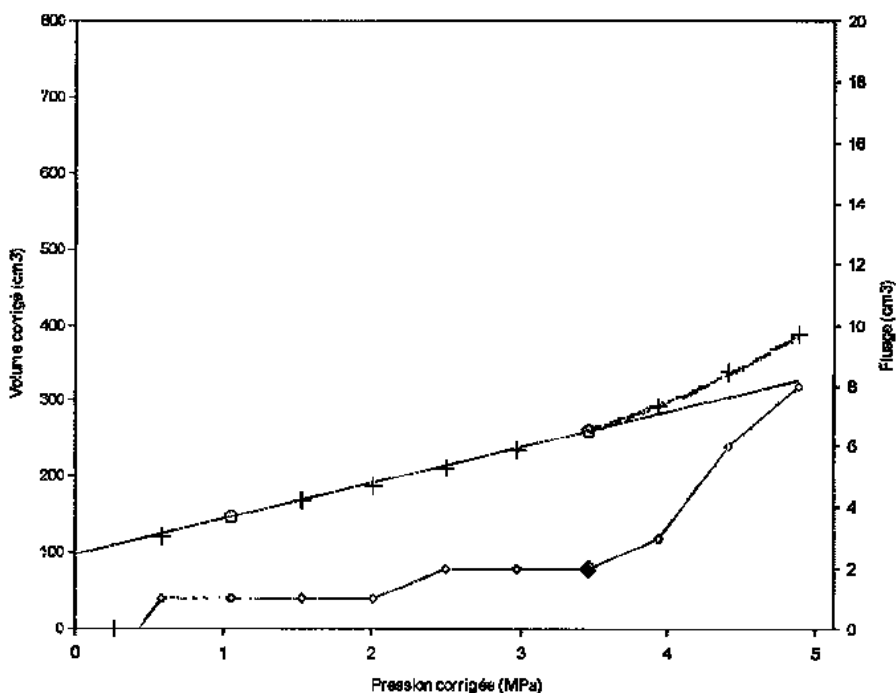
P1 = 7.05	Pmax = 4.94
P1(i) = 7.05	Pf = 3.02
P1(h) = 6.32	Po = 0.23
P1(pi) = 4.53	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : Fluage
- ◆ : P1

Sondage: MPM2009-02

Profondeur : 27.00 m



Ko (centimés):
Masse vol. Sol (t/m³): 1.8 (centimés)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a 3.00 cm³/MPa

(valeurs en MPa)

EM = 43.6

P1 = 6.51	Pmax = 4.90
P1(i) = 6.51	Pf = 3.46
P1(h) = 6.32	Po = 0.24
P1(pi) = 5.20	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : Fluage
- ◆ : P1

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOTL. MCHANICS - SIZEWELL C

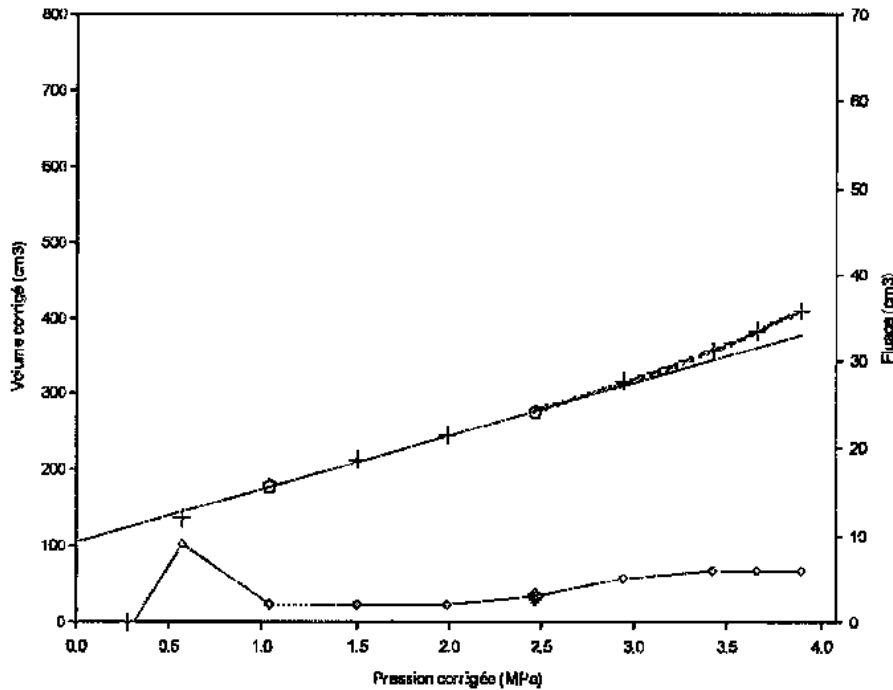
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 28.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $\alpha = 3.00 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 30.1$

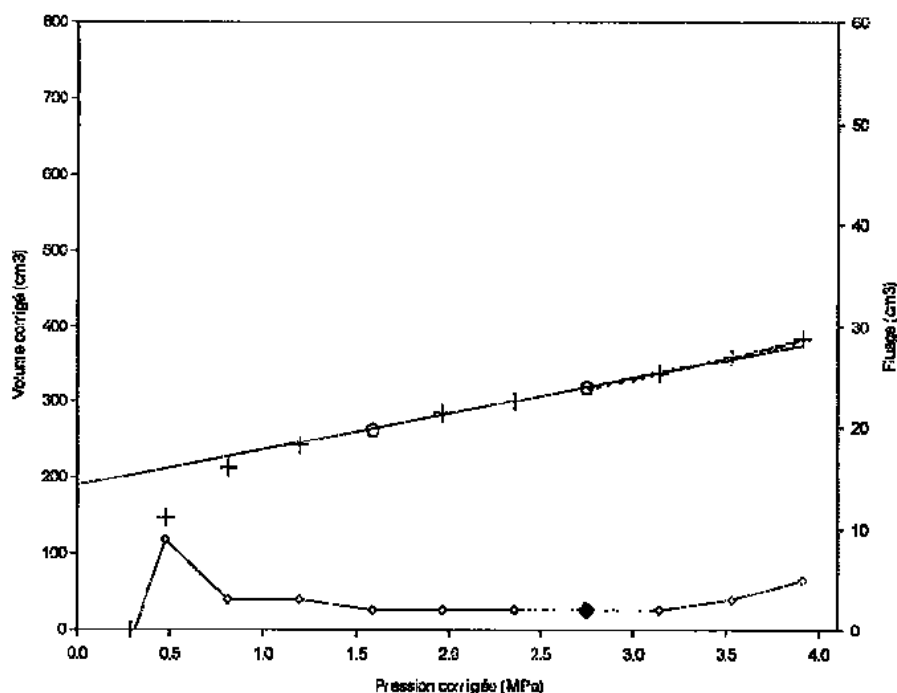
$P_1 = 5.67$	$P_{max} = 3.90$
$P_1(i) = 5.67$	$P_f = 2.47$
$P_1(h) = 5.89$	$P_o = 0.25$
$P_1(p) = 3.70$	

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : flUAGE ◆ : P_f

Sondage: MPM2009-02

Profondeur : 29.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $\alpha = 3.00 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 48.7$

$P_1 = 7.94$	$P_{max} = 3.92$
$P_1(i) = 7.94$	$P_f = 2.75$
$P_1(h) = 7.66$	$P_o = 0.26$
$P_1(p) = 4.13$	

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : flUAGE ◆ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZFWEIL C

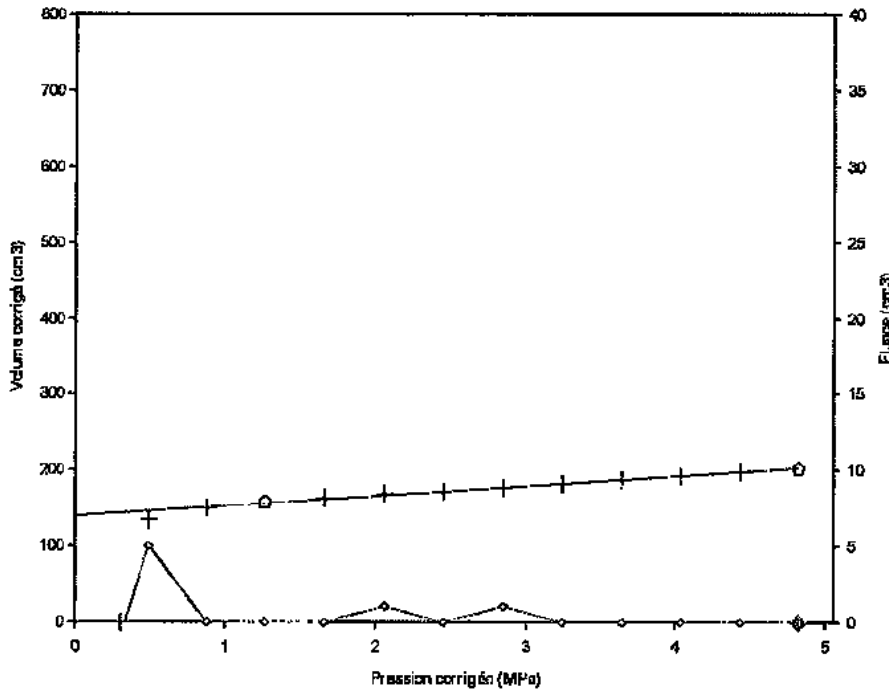
Programme: W-Pressio
Version : 1.1

FONDASOL
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84140 MONTFAVET

Fichier : 96
Dernière mise à jour:
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Sondage: MPM2009-02

Profondeur : 30.00 m



Ko testé:
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur de pression: 0.80 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a 3.00 cm³/MPa

(valeurs en MPa)

$E_M = 154.8$

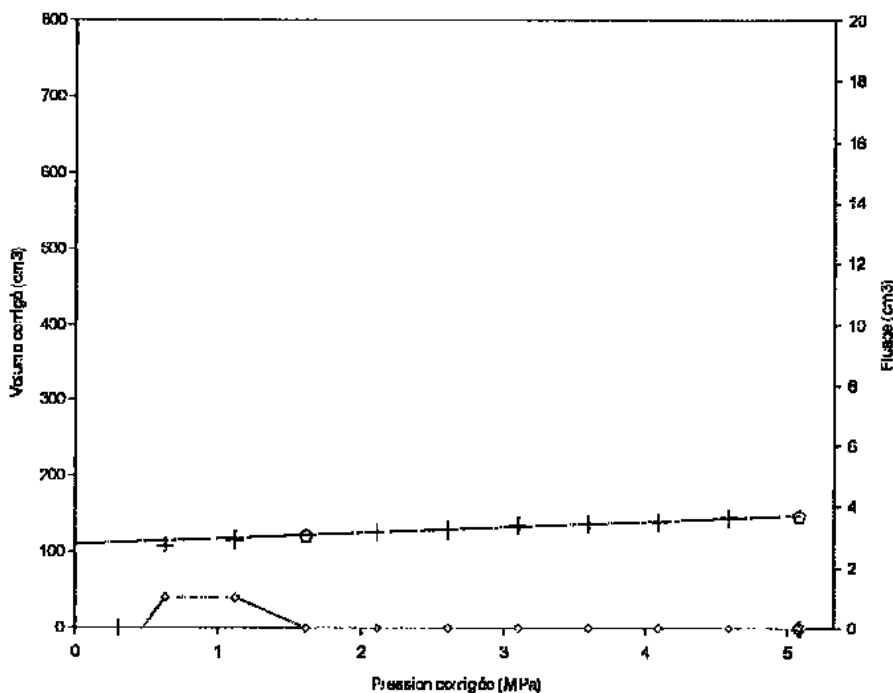
$P_1 > 4.83$ | $P_{max} = 4.83$
 $P_f > 4.83$
 $P_o = 0.26$
 $P_1 (P_f) > 7.24$

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- ◊ : extrémité de la phase linéaire
- : fluage ◆ : P_f

Sondage: MPM2009-02

Profondeur : 31.00 m



Ko testé:
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur de pression: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a 3.00 cm³/MPa

(valeurs en MPa)

$E_M = 251.3$

$P_1 > 5.08$ | $P_{max} = 5.08$
 $P_f > 5.08$
 $P_o = 0.27$
 $P_1 (P_f) > 7.62$

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- ◊ : extrémité de la phase linéaire
- : fluage ◆ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

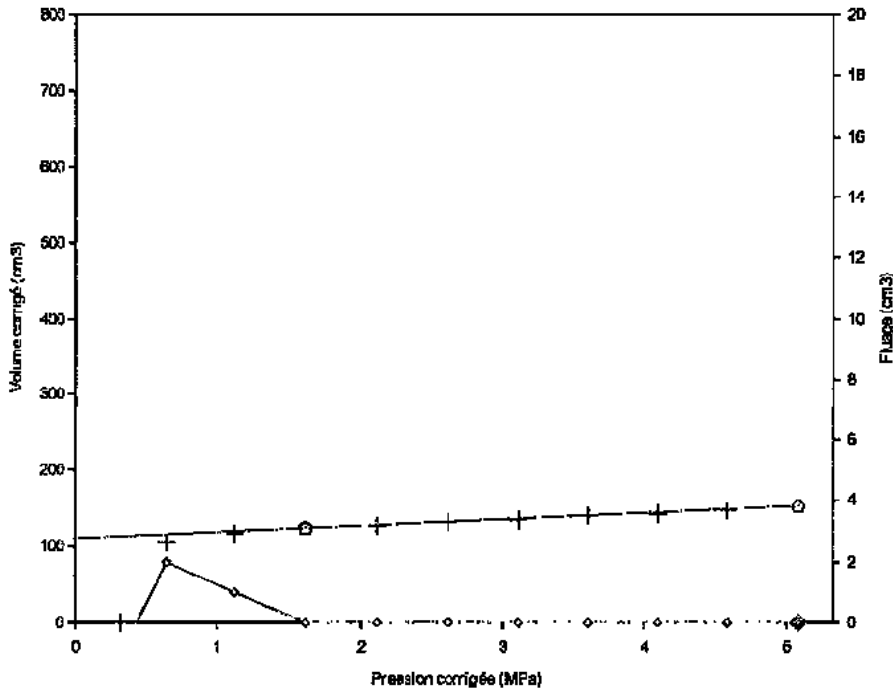
Programme: W-Pressio
Version : 1.1

FONDASOL
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BP 765
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Fichier : P6
Dernière mise à jour:
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Sondage: MPM2009-02

Profondeur : 32.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

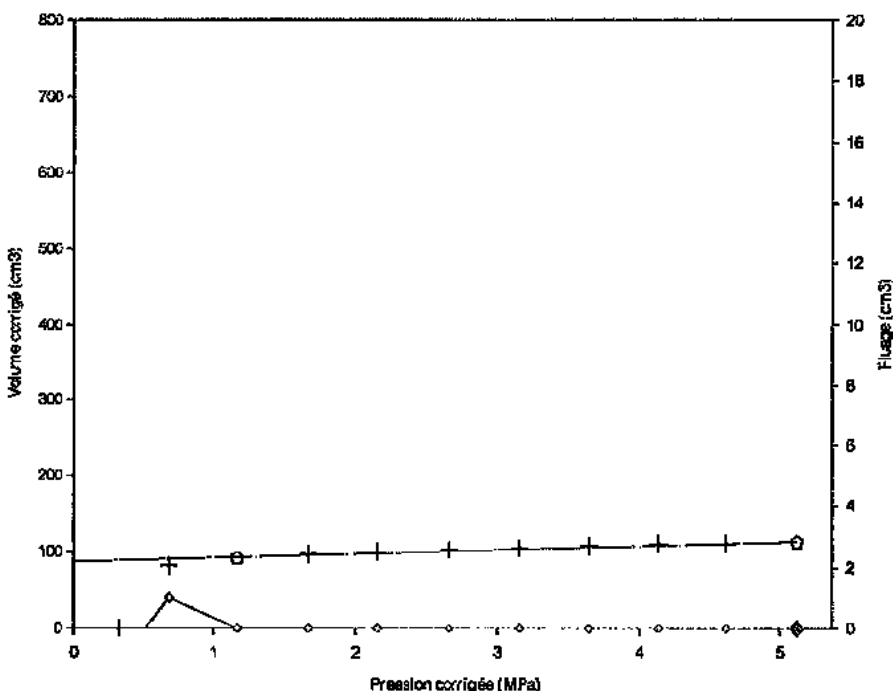
N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a = 3.00 cm³/MPa

(valeurs en MPa)
E_M = 225.5
P_l > 5.09 | E_{max} = 5.09
P_f > 5.09
P_o = 0.28
P_l (P_o) > 7.63

Légende:
- - - : P_l(t) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◇ : extrémité de la phase linéaire
○ : filage ⊙ : P_o

Sondage: MPM2009-02

Profondeur : 33.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a = 3.00 cm³/MPa

(valeurs en MPa)
E_M = 332.9
P_l > 5.14 | P_{max} = 5.14
P_f > 5.14
P_o = 0.29
P_l (P_o) > 7.70

Légende:
- - - : P_l(t) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◇ : extrémité de la phase linéaire
○ : filage ⊙ : P_o

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

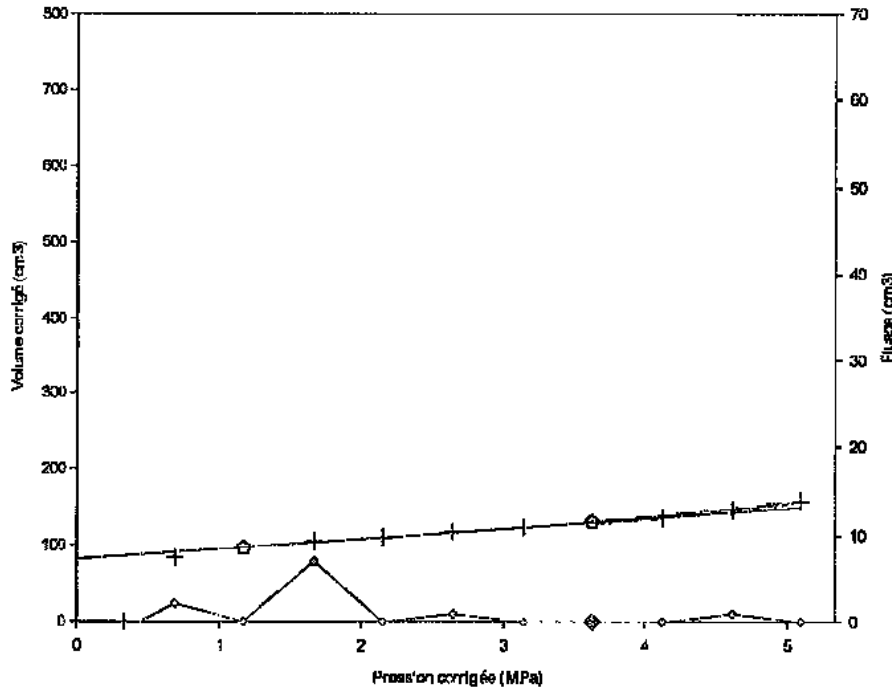
Programme: W-Pressio
Version : 1.1

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Fichier : P6
Dernière mise à jour:
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Sondage: MPM2009-02

Profondeur : 34.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a = 3.00 cm³/MPa

(valeurs en MPa)

E_M = 131.5

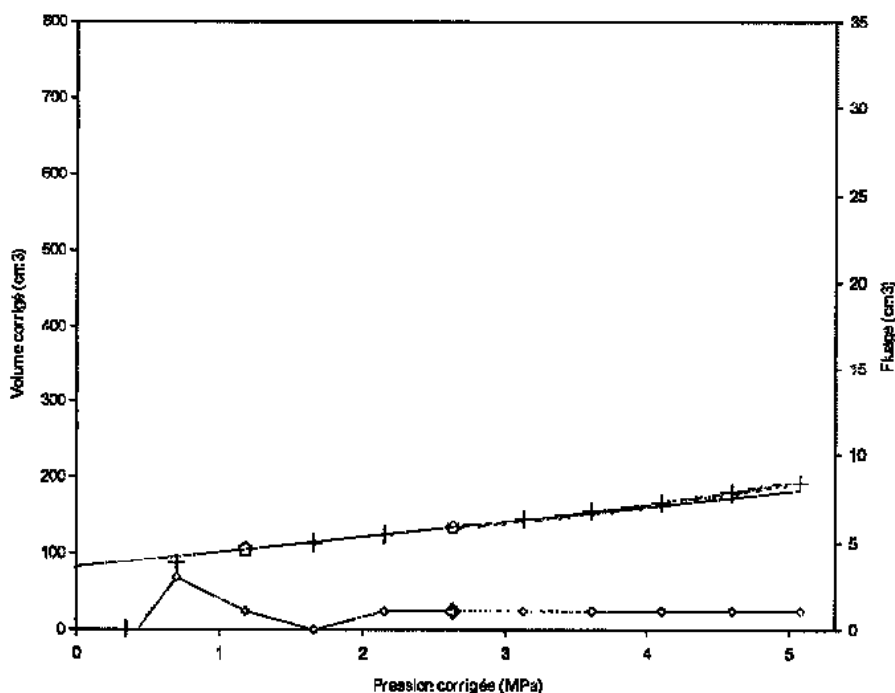
Pl = 10.81	Pmax = 5.10
Pl(i) = 10.81	Pf = 3.63
Pl(h) = 8.75	Po = 0.30
Pl(pf) = 5.45	

Légende:

- : Pl(i)
- : Pl(h)
- +
- x : point non pris en compte
- o : extrémité de la phase linéaire
- ◊ : Filage
- ◊ : Pl

Sondage: MPM2009-02

Profondeur : 35.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a = 3.00 cm³/MPa

(valeurs en MPa)

E_M = 92.8

Pl = 9.16	Pmax = 5.08
Pl(i) = 9.16	Pf = 2.64
Pl(h) = 9.45	Po = 0.31
Pl(pf) = 3.96	

Légende:

- : Pl(i)
- : Pl(h)
- +
- x : point non pris en compte
- o : extrémité de la phase linéaire
- ◊ : Filage
- ◊ : Pl

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - STREWELL C

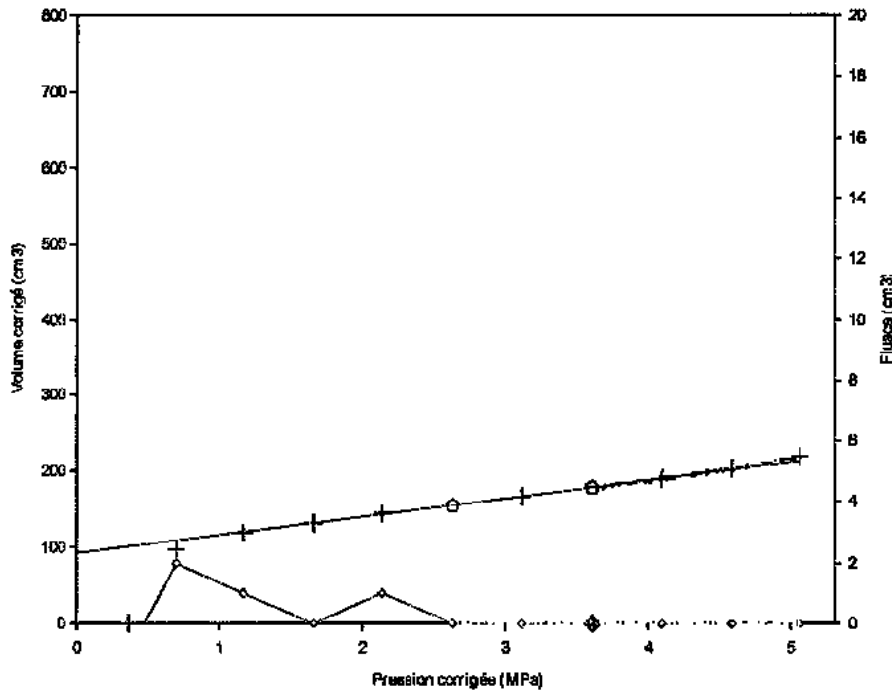
Programme: W-Pressio
Version : 1.1

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Fichier : P6
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Sondage: MPM2009-02

Profondeur : 36.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a = 3.00 cm³/MPa

(valeurs en MPa)

$E_M = 82.2$

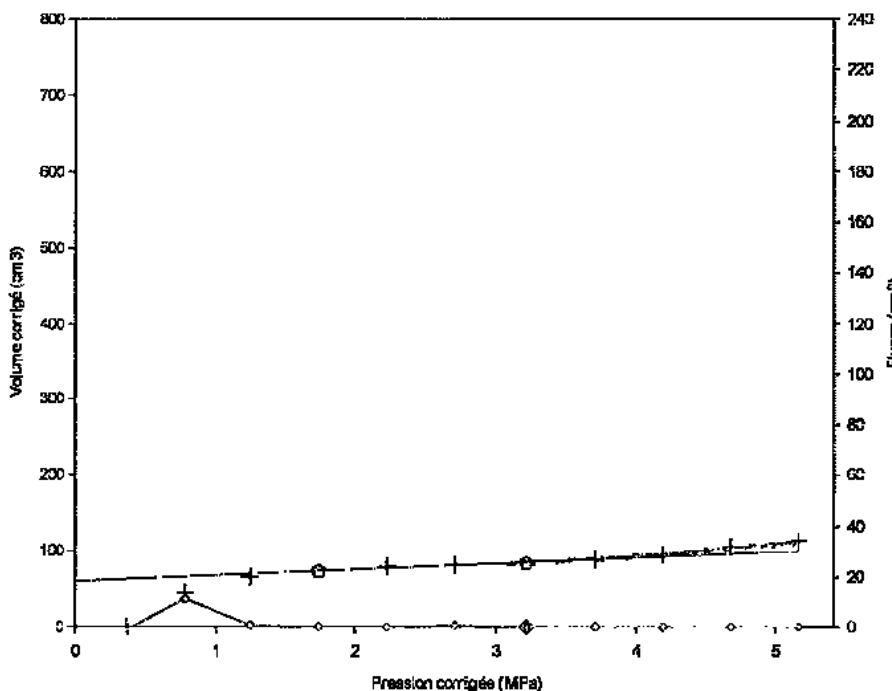
P1 = 10.02	Pmax = 5.08
P1(i) = 10.02	Pf = 3.61
P1(h) = 10.01	Po = 0.32
P1(pf) = 5.41	

Légende:

- : P1(i)
- : P1(h)
- +
- x
- ◻
- ◊

Sondage: MPM2009-02

Profondeur : 37.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a = 3.00 cm³/MPa

(valeurs en MPa)

$E_M = 218.6$

P1 = 10.19	Pmax = 5.18
P1(i) = 10.19	Pf = 3.22
P1(h) = 6.93	Po = 0.33
P1(pf) = 4.82	

Légende:

- : P1(i)
- : P1(h)
- +
- x
- ◻
- ◊

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - STZEWELL C

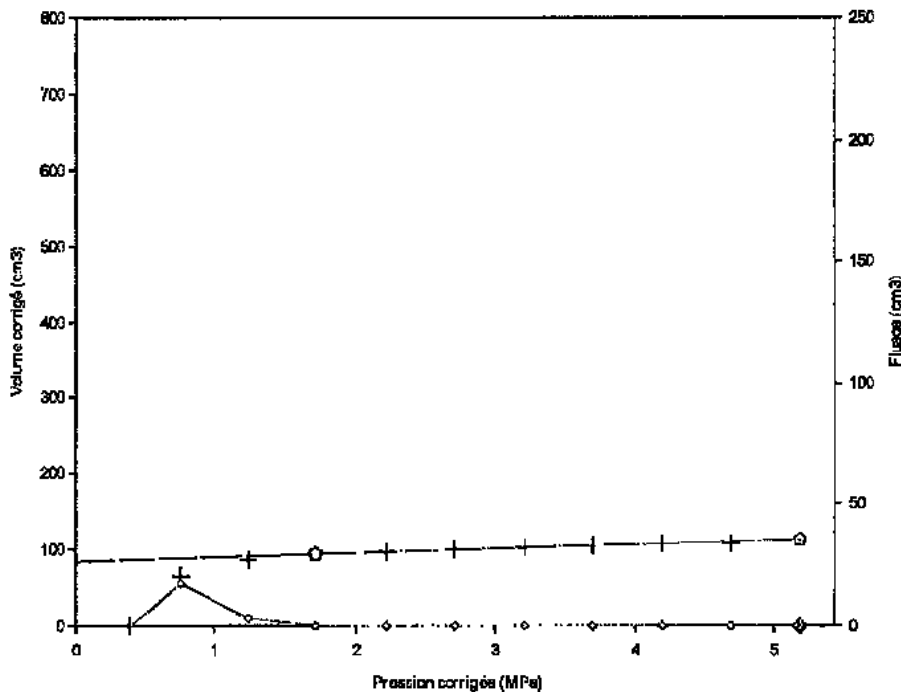
Programme: W-Pressio
Version : 1.1

FONDASOL
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Fichier : P6
Dernière mise à jour:
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Sondage: MPM2009-02

Profondeur : 38.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

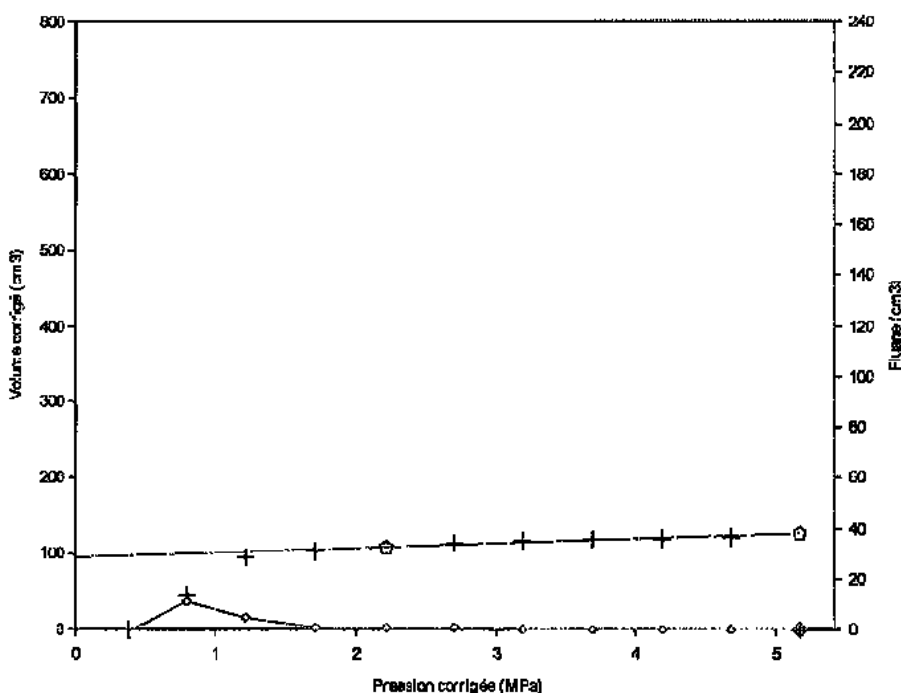
N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a = 3.00 cm³/MPa

(valeurs en MPa)
E_M = 330.8
P_l > 5.19 | P_{max} = 5.19
P_f > 5.19
P_o = 0.34
P_l(P_f) > 7.78

Légende:
--- : P_l(t) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM2009-02

Profondeur : 39.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a = 3.00 cm³/MPa

(valeurs en MPa)
E_M = 297.2
P_l > 5.18 | P_{max} = 5.18
P_f > 5.18
P_o = 0.34
P_l(P_f) > 7.77

Légende:
--- : P_l(t) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

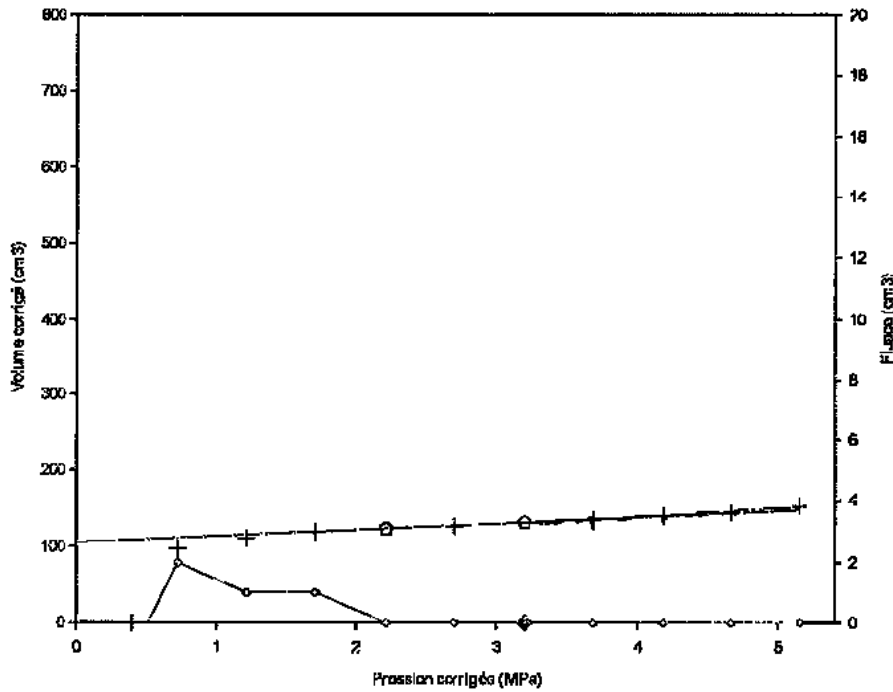
Programme: W-Pressio
Version : 1.1

FONDASOL
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Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 40.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $\alpha = 3.80 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_M = 225.8

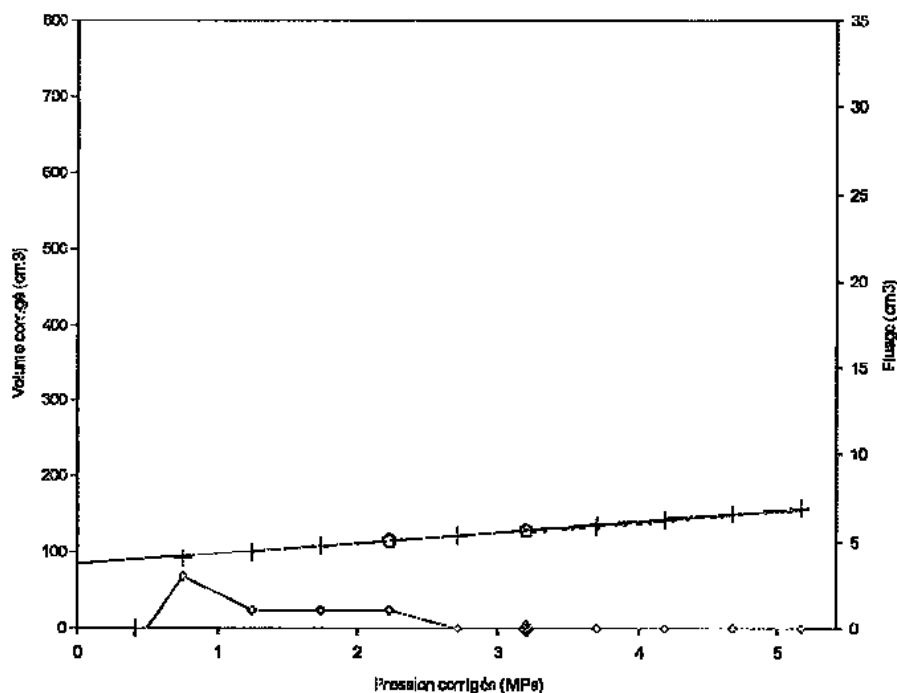
P1 = 15.28	E _{max} = 5.17
P1(l) = 15.28	PF = 3.19
P1(h) = 8.86	Po = 0.35
P1(p ₂) = 4.79	

Légende:

- : P1(l)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : frottement
- d : P₂

Sondage: MPM2009-02

Profondeur : 41.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $\alpha = 3.80 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_M = 127.2

P1 = 11.92	E _{max} = 5.17
P1(l) = 11.92	PF = 3.20
P1(h) = 12.98	Po = 0.36
P1(p ₂) = 4.81	

Légende:

- : P1(l)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : frottement
- d : P₂

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIMONNIN C

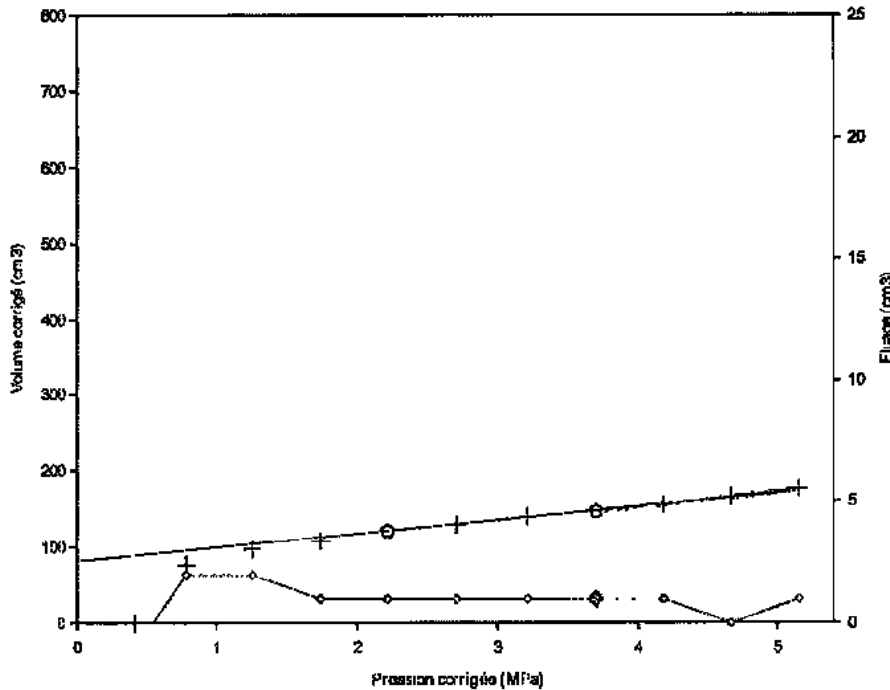
Programme: W-Pressio
Version : 1.1

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Fichier : P6
Dernière mise à jour:
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Sondage: MPM2009-02

Profondeur : 42.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 3.00 \text{ cm}^3/\text{MPa}$

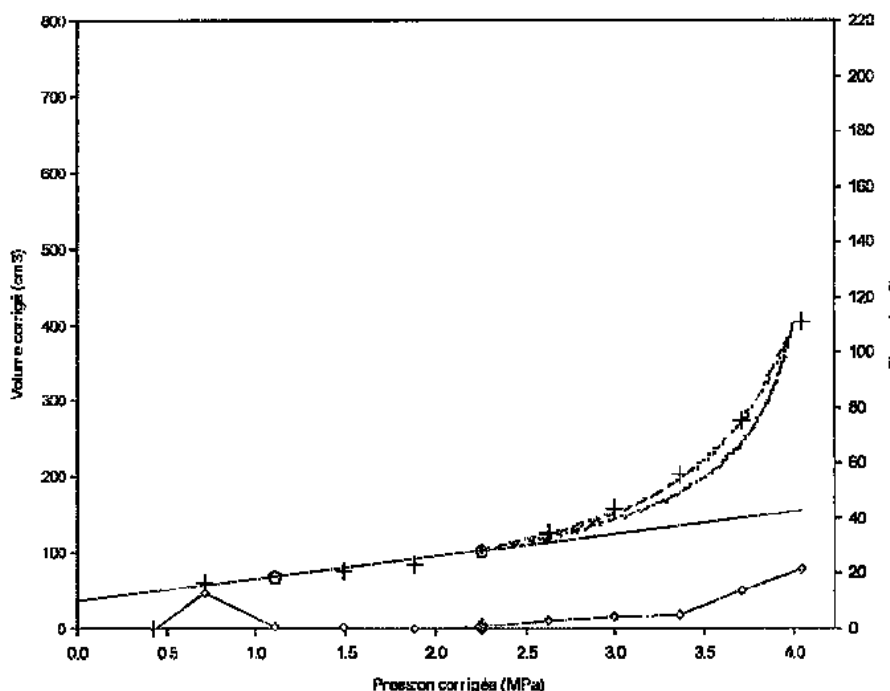
(valeurs en MPa)
 $E_M = 102.4$

$P_L = 10.87$	$P_{max} = 5.17$
$P_L(i) = 10.87$	$P_F = 3.69$
$P_L(h) = 10.18$	$P_o = 0.37$
$P_L(p) = 5.54$	

Légende:
 - - - : $P_L(i)$ - - - : $P_L(h)$
 + : point de mesure
 x : point non pris en compte
 ◻ : extrémité de la phase linéaire
 ◊ : fluage ♦ : P_F

Sondage: MPM2009-02

Profondeur : 43.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 3.30 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 59.2$

$P_L = 4.26$	$P_{max} = 4.05$
$P_L(i) = 4.26$	$P_F = 2.26$
$P_L(h) = 4.12$	$P_o = 0.38$
$P_L(p) = 3.38$	

Légende:
 - - - : $P_L(i)$ - - - : $P_L(h)$
 + : point de mesure
 x : point non pris en compte
 ◻ : extrémité de la phase linéaire
 ◊ : fluage ♦ : P_F

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

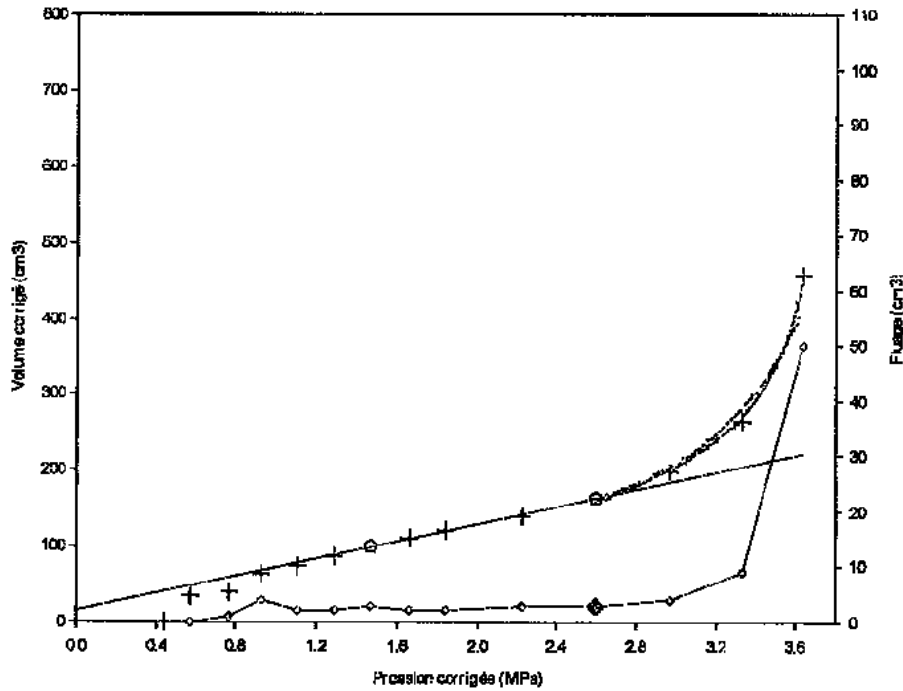
Programme: W-Pressio
Version : 1.1

FONDASOI,
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
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Sondage: MPM2009-02

Profondeur : 44.00 m



Ko testé(s):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gain: Métallique lamelles
a = 3.00 cm³/MPa

(valeurs en MPa)

Em = 32.3

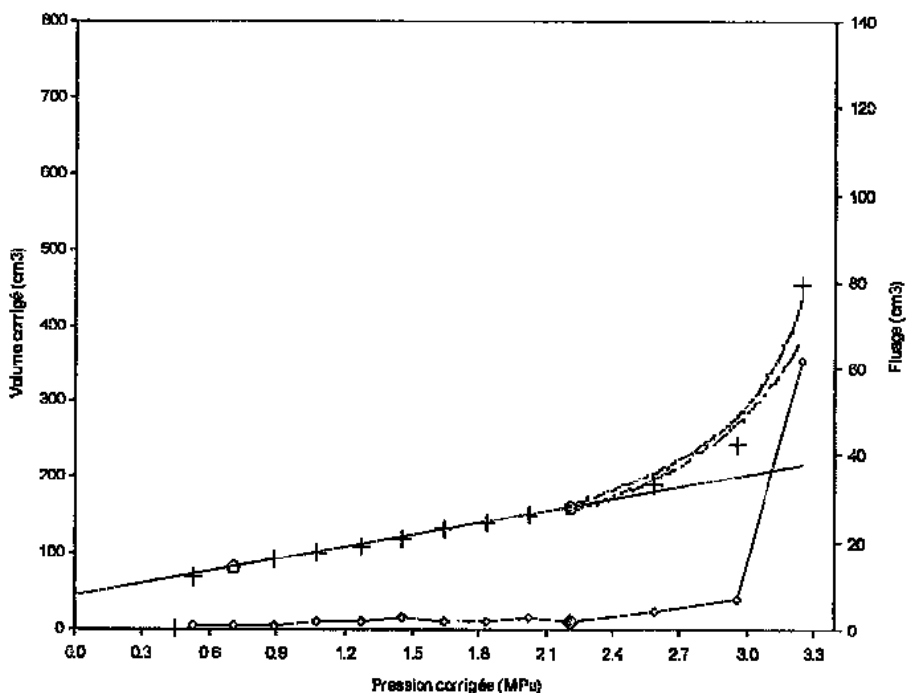
P1 = 3.95	Pmax = 3.64
P1(i) = 3.95	Pf = 2.60
P1(h) = 3.75	Po = 0.39
P1(Pf) = 3.90	

Légende:

- - - : P1(i)
- - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : P_f

Sondage: MPM2009-02

Profondeur : 45.00 m



Ko testé(s):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gain: Métallique lamelles
a = 3.00 cm³/MPa

(valeurs en MPa)

Em = 34.6

P1 = 3.59	Pmax = 3.25
P1(i) = 3.59	Pf = 2.22
P1(h) = 3.39	Po = 0.40
P1(Pf) = 3.32	

Légende:

- - - : P1(i)
- - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

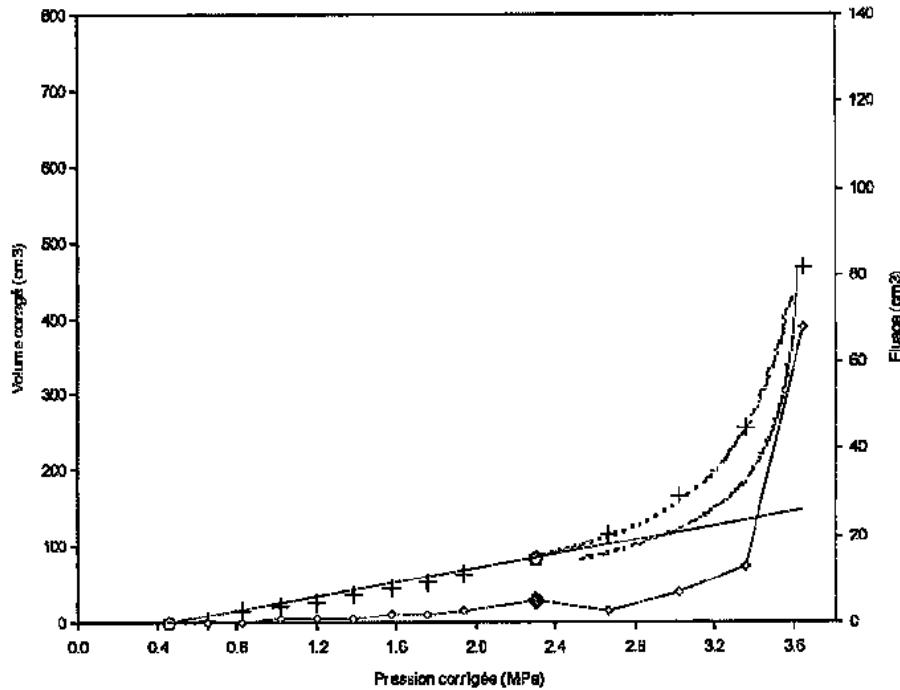
Programme: W-Pressio
Version : 1.1

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Fichier : P6
Dernière mise à jour:
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Sondage: MPM2009-02

Profondeur : 46.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.98 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a = 3.38 cm³/MPa

(valeurs en MPa)

EM = 34.8

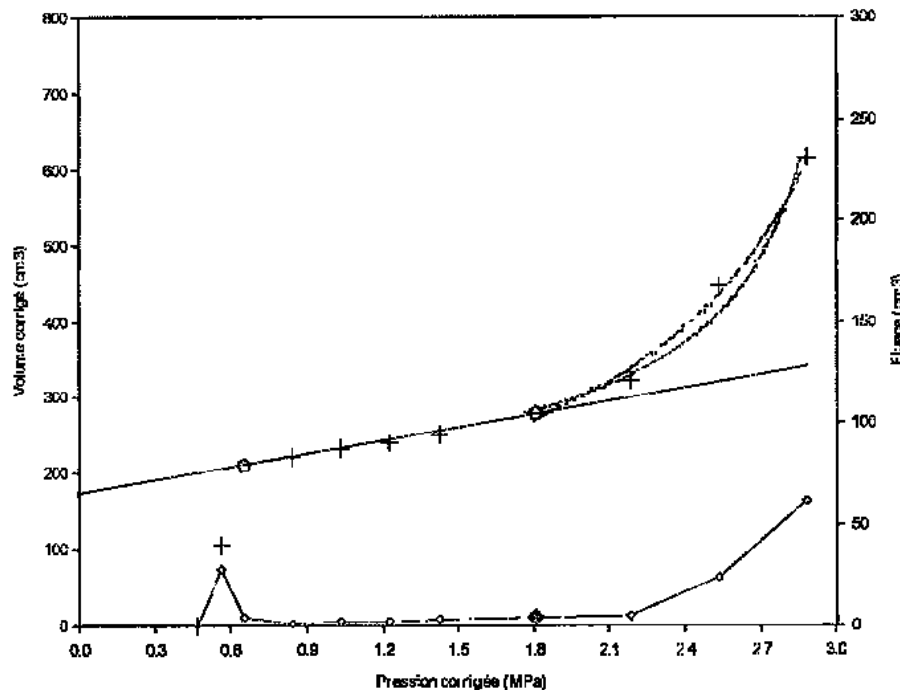
Pl = 3.66	Pmax = 3.65
Pl(i) = 3.66	Pf = 2.31
Pl(h) = 3.64	Po = 0.41
Pl(pf) = 3.46	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
o : fluage ◆ : Pf

Sondage: MPM2009-02

Profondeur : 47.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée standard
a = 0.81 cm³/MPa

(valeurs en MPa)

EM = 35.8

Pl = 3.23	Pmax = 2.89
Pl(i) = 3.23	Pf = 1.81
Pl(h) = 3.01	Po = 0.41
Pl(pf) = 2.71	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
o : fluage ◆ : Pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SFRWELL.C

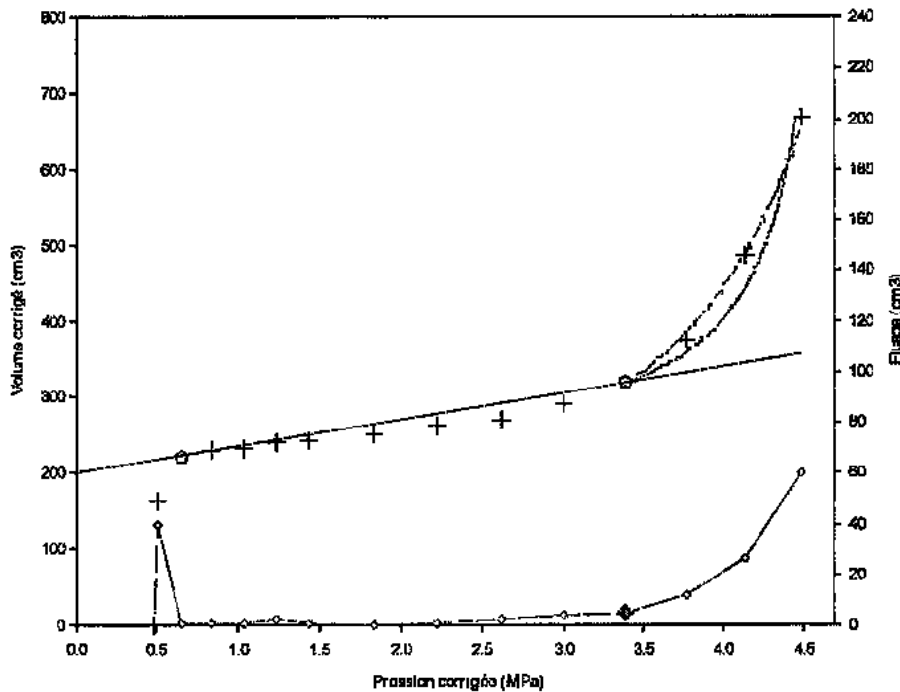
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 48.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.6 (estimé)
Hauteur du pressiomètre: 0.98 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée standard
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_M = 60.8

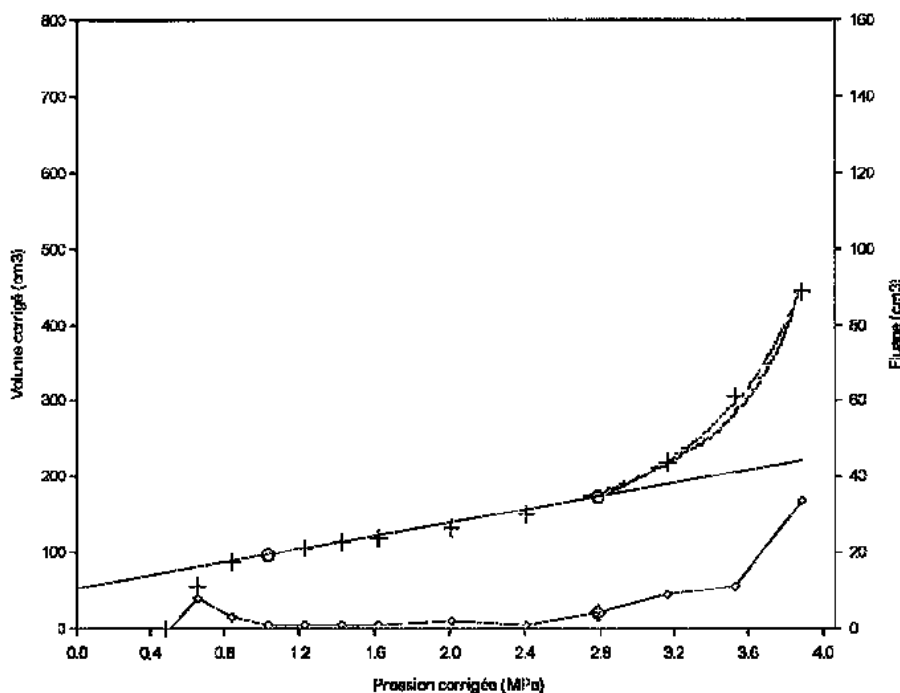
PI = 4.84	P _{max} = 4.48
PI (i) = 4.84	PI = 3.40
PI (h) = 4.55	P ₀ = 0.42
PI (p) = 5.09	

Légende:

- : PI (i)
- : PI (h)
- +
- x
- o
- o
- o

Sondage: MPM2009-02

Profondeur : 49.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.98 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée standard
 $\alpha = 1.71 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_M = 41.4

PI = 4.17	P _{max} = 3.90
PI (i) = 4.17	PI = 2.79
PI (h) = 4.03	P ₀ = 0.43
PI (p) = 4.19	

Légende:

- : PI (i)
- : PI (h)
- +
- x
- o
- o
- o

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOLL MECHANICS - SIZFWELL C

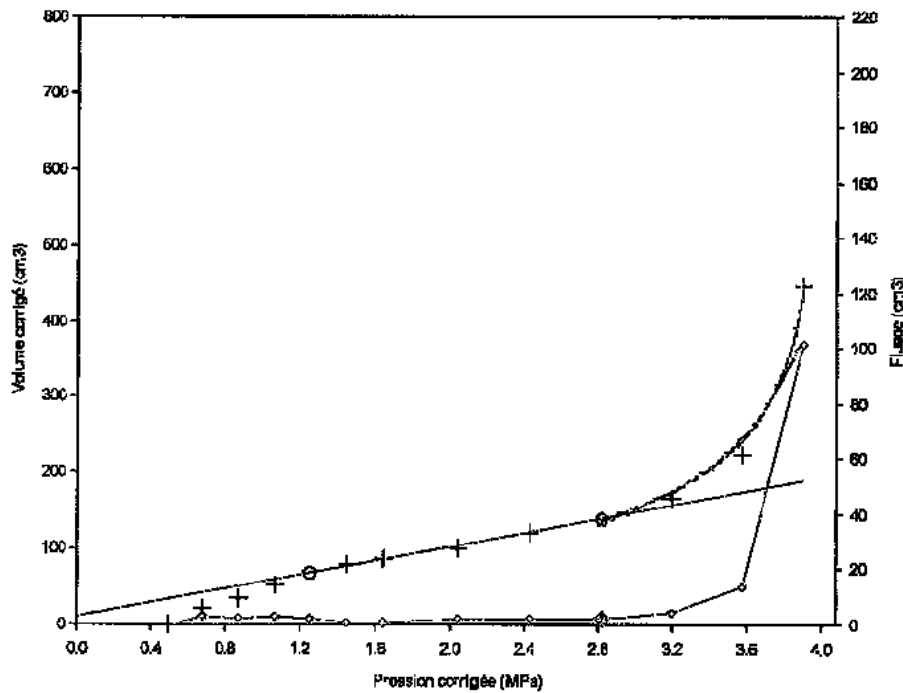
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Caloubets
BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 50.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée standard
a = 1.71 cm³/MPa

(valeurs en MPa)

E_M = 36.7

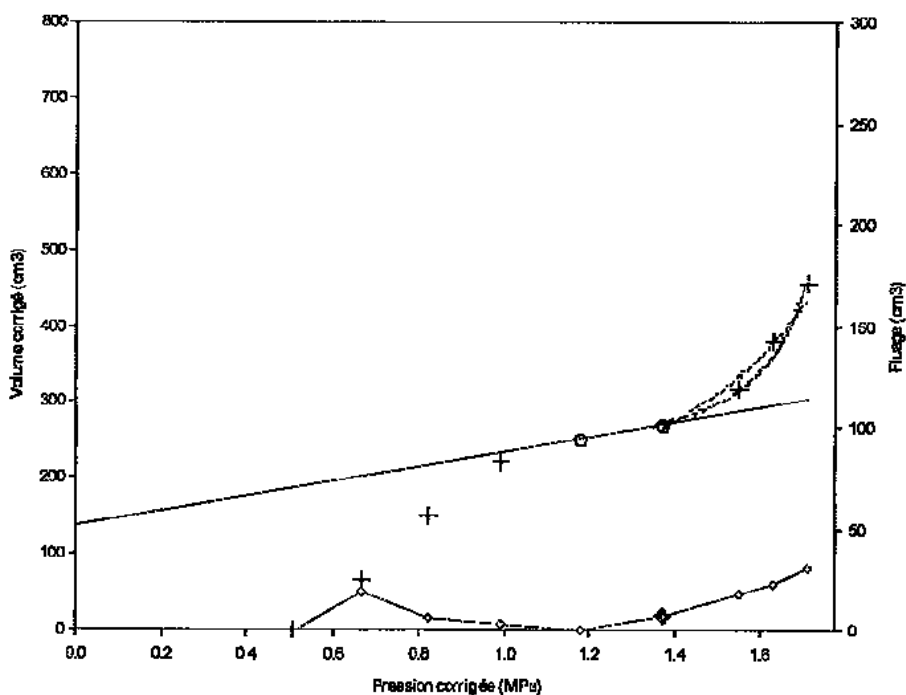
P ₁ = 4.18	P _{max} = 3.91
P _{1(i)} = 4.18	P _f = 2.82
P _{1(h)} = 3.99	P ₀ = 0.44
P _{1(P)} = 4.22	

Légende:

--- : P_{1(i)} - - - : P_{1(h)}
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

Sondage: MPM2009-02

Profondeur : 51.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée standard
a = 1.71 cm³/MPa

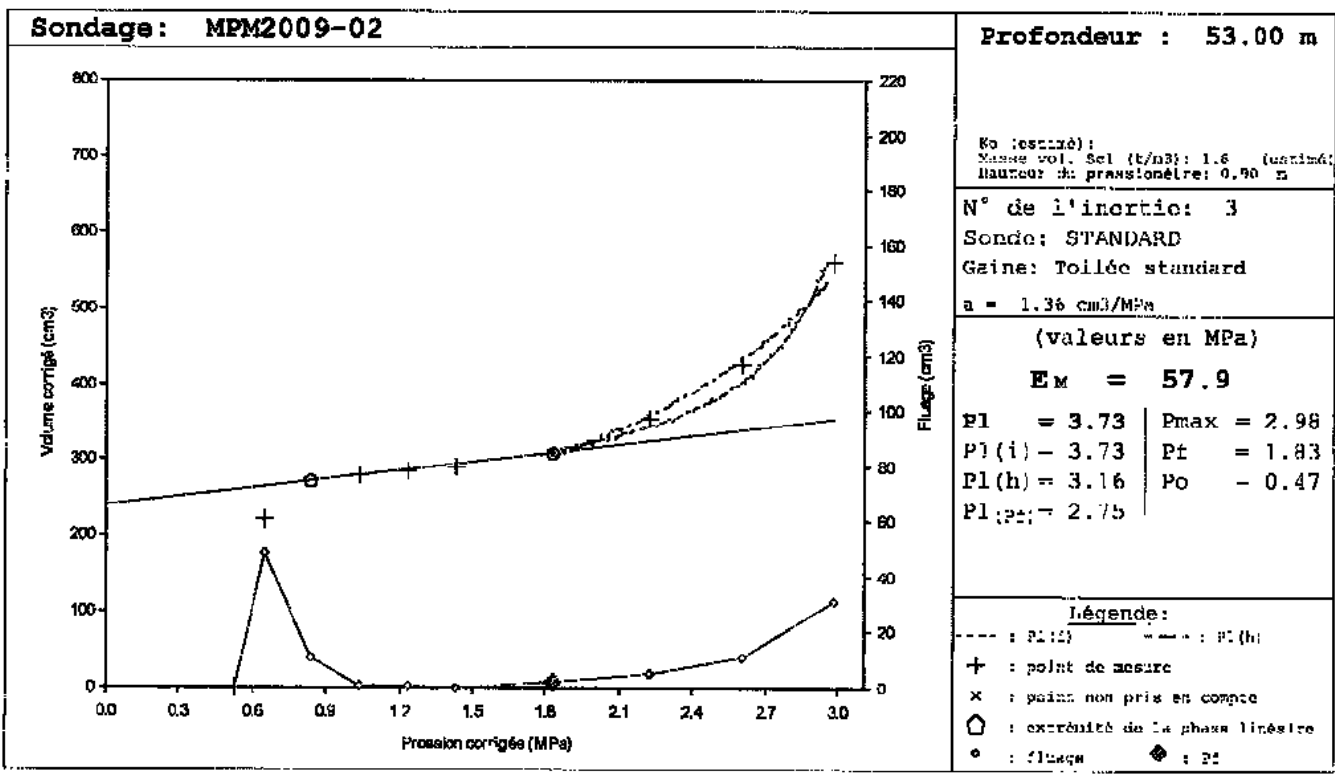
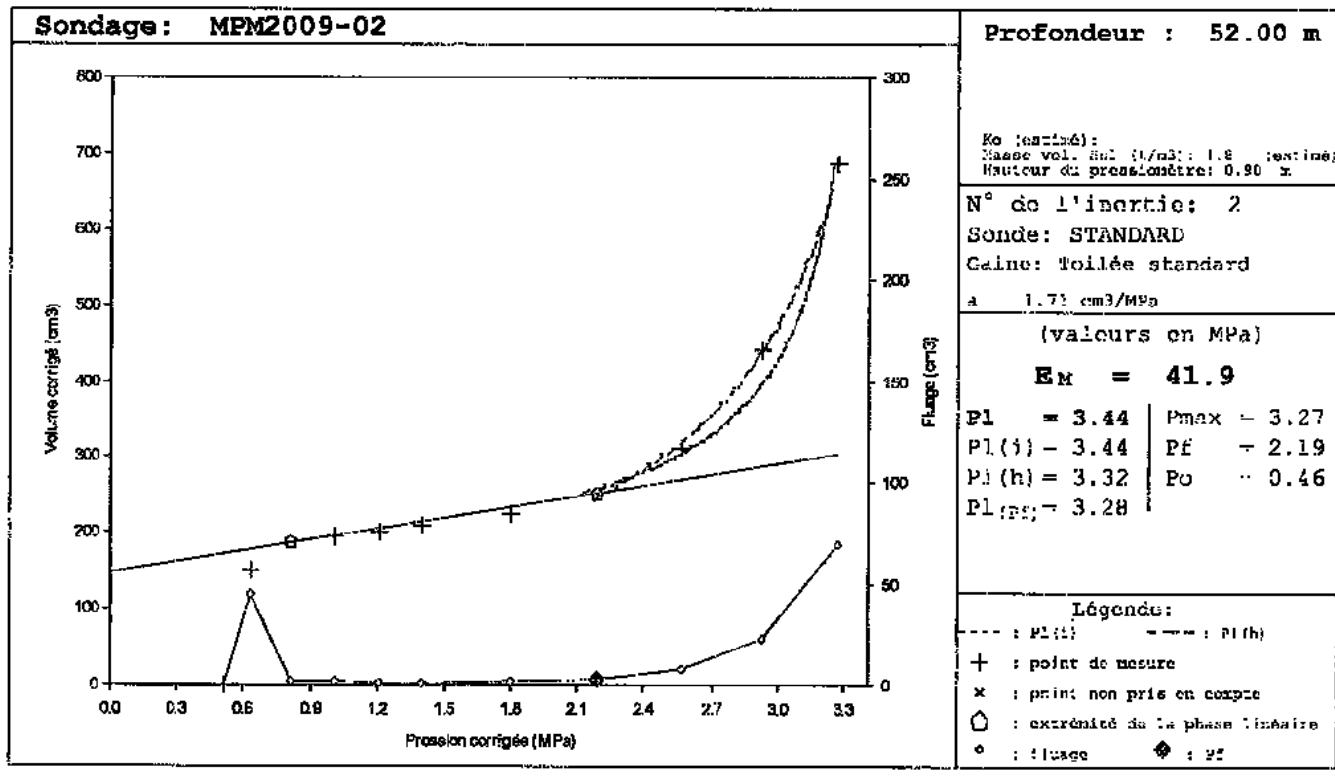
(valeurs en MPa)

E_M = 21.9

P ₁ = 2.01	P _{max} = 1.71
P _{1(i)} = 2.01	P _f = 1.37
P _{1(h)} = 1.77	P ₀ = 0.45
P _{1(P)} = 2.06	

Légende:

--- : P_{1(i)} - - - : P_{1(h)}
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f



AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIT, MECHANICS - STANWELL, C

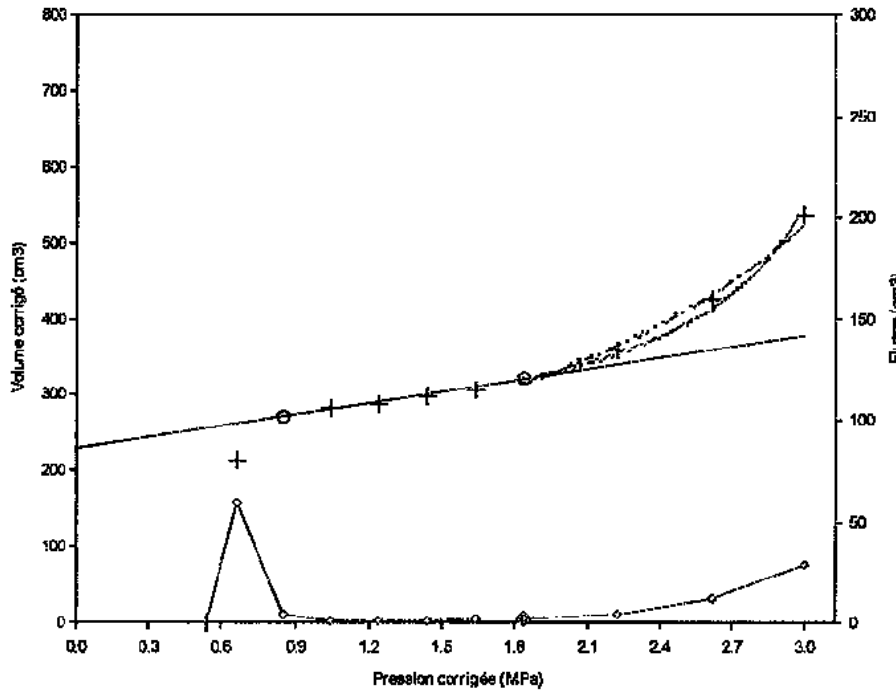
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 54.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: Toilée standard
 $a = 1.36 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

EM = 45.0

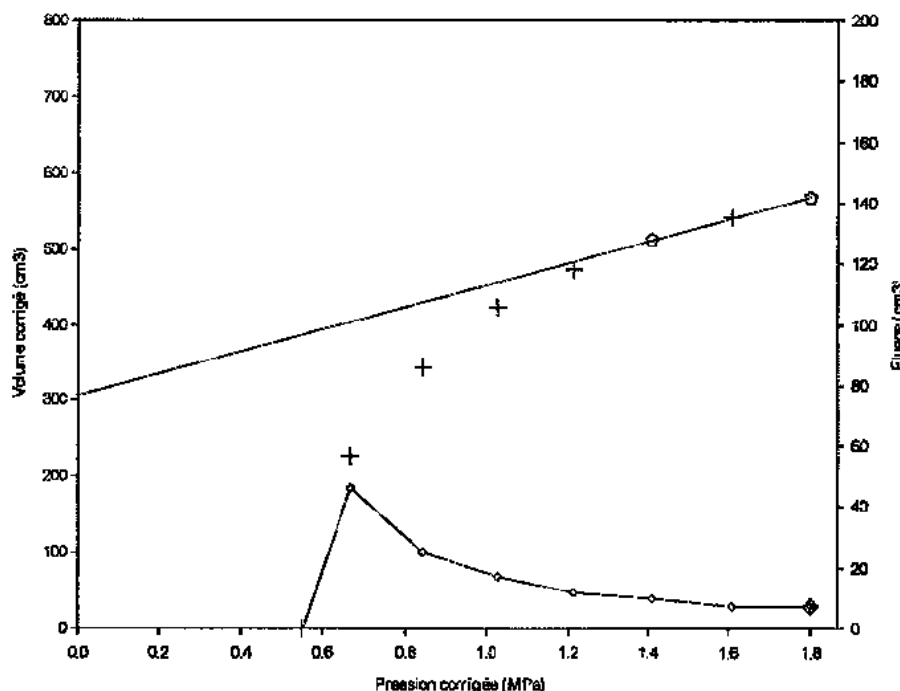
P1 = 3.92	Pmax = 3.00
P1(i) = 3.92	Pf = 1.84
P1(h) = 3.29	Po = 0.48
P1(p) = 2.76	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- o : P1

Sondage: MPM2009-02

Profondeur : 55.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: Toilée standard
 $a = 1.36 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

EM = 19.8

P1 > 1.80	Pmax = 1.80
	Pf > 1.80
	Po = 0.49
P1(P1) > 2.70	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- o : P1

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NEP 94-110)

Affaire: SOIL MECHANICS - SIZWELL C

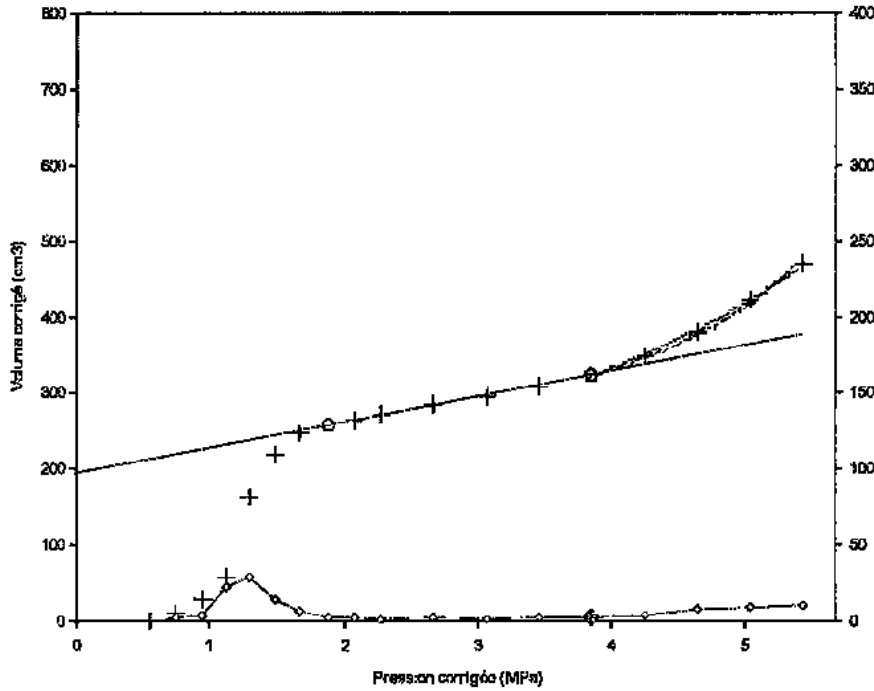
FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage : MPM2009-02

Profondeur : 56.50 m



Ko (satimé):
Masse Vol. Sol (t/m³): 1.8 (satimé)
Hauteur du pressiomètre: 0.98 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: Toilée standard
 $\alpha = 1.36 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 65.8$

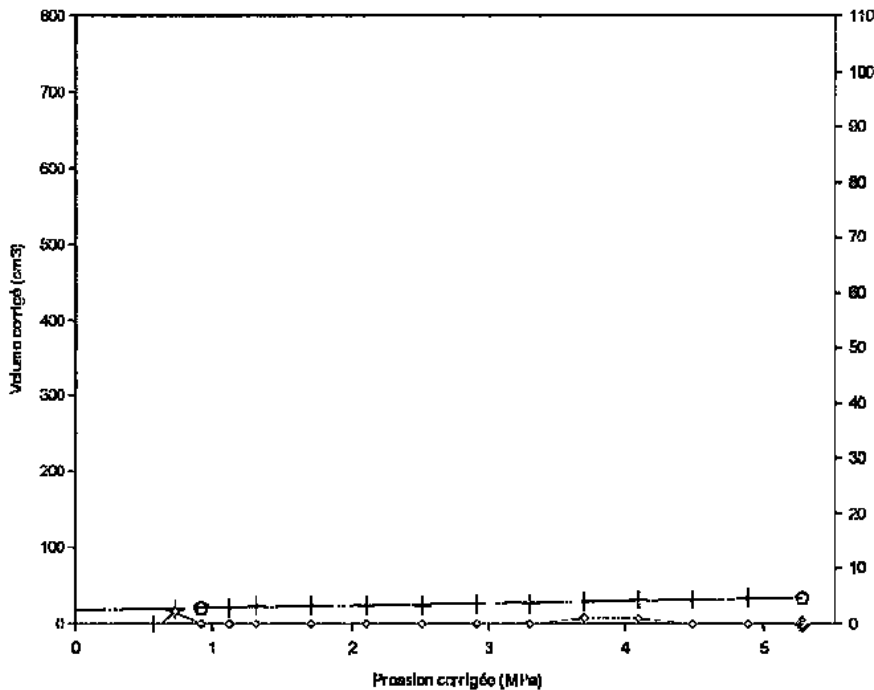
$P_l = 7.42$	$P_{max} = 5.43$
$P_l(i) = 7.42$	$P_f = 3.86$
$P_l(h) = 6.23$	$P_o = 0.50$
$P_l(pf) = 5.79$	

Légende:

- - - : $P_l(i)$
- - - : $P_l(h)$
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage
- ◊ : P_f

Sondage : MPM2009-02

Profondeur : 57.00 m



Ko (satimé):
Masse vol. Sol (t/m³): 1.8 (satimé)
Hauteur du pressiomètre: 0.98 m

N° de l'inertie: 6
Sonde: TUBE PENDU
Gaine: Métallique lamelles
 $\alpha = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 474.2$

$P_l > 5.28$	$P_{max} = 5.28$
	$P_f > 5.28$
$P_l(pf) > 7.92$	$P_o = 0.50$

Légende:

- - - : $P_l(i)$
- - - : $P_l(h)$
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage
- ◊ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL, C

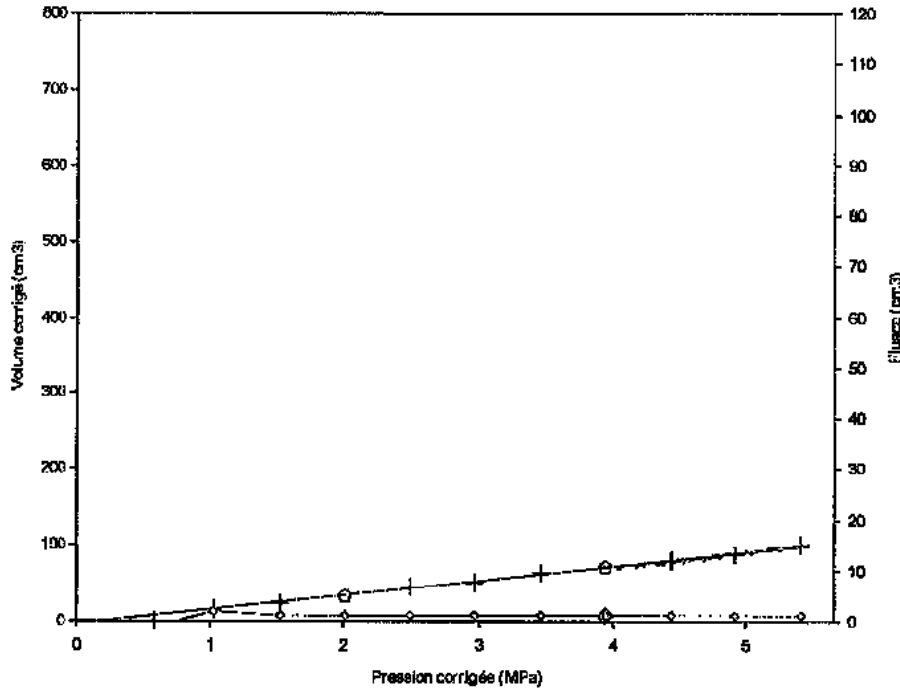
Programme: W-Pressio
Version : 1.1

FONDASOI,
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BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
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Sondage: MPM2009-02

Profondeur : 58.00 m



K_0 (estimé):
Masse vol. Sol (γ/m^3): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

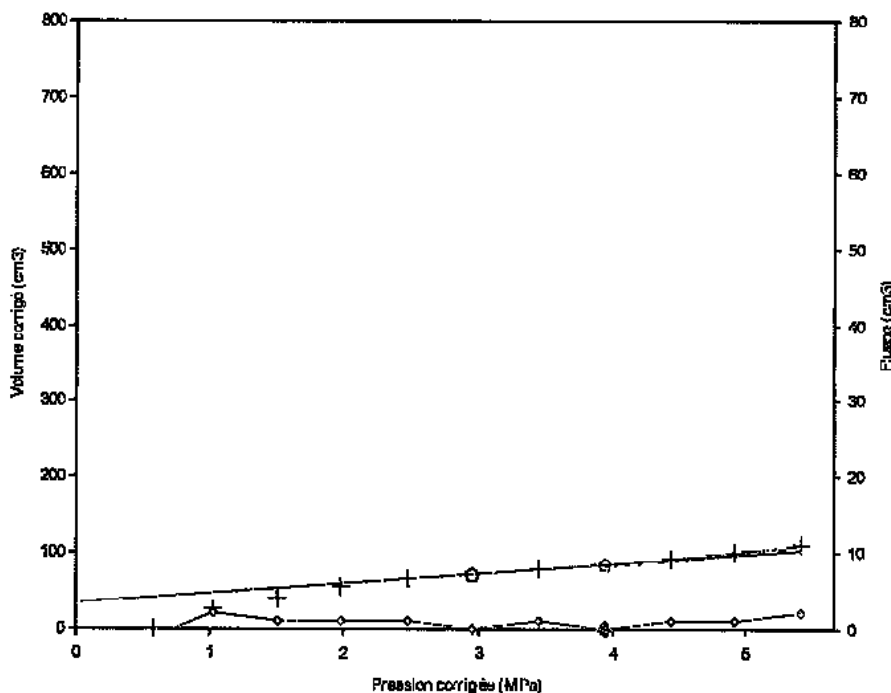
(valeurs en MPa)
 $E_M = 88.7$

$P_1 = 8.42$	$P_{max} = 5.41$
$P_1(i) = 8.42$	$P_f = 3.95$
$P_1(h) = 8.50$	$P_0 = 0.51$
$P_1(pf) = 5.92$	

Légende:
 - - - : $P_1(i)$ - - - : $P_1(h)$
 + : point de mesure
 x : point non pris en compte
 ○ : extrapolation de la phase linéaire
 ◊ : fluage ◆ : P_f

Sondage: MPM2009-02

Profondeur : 59.00 m



K_0 (estimé):
Masse vol. Sol (γ/m^3): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 135.1$

$P_1 = 9.68$	$P_{max} = 5.41$
$P_1(i) = 9.68$	$P_f = 3.94$
$P_1(h) = 7.97$	$P_0 = 0.52$
$P_1(pf) = 5.91$	

Légende:
 - - - : $P_1(i)$ - - - : $P_1(h)$
 + : point de mesure
 x : point non pris en compte
 ○ : extrapolation de la phase linéaire
 ◊ : fluage ◆ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

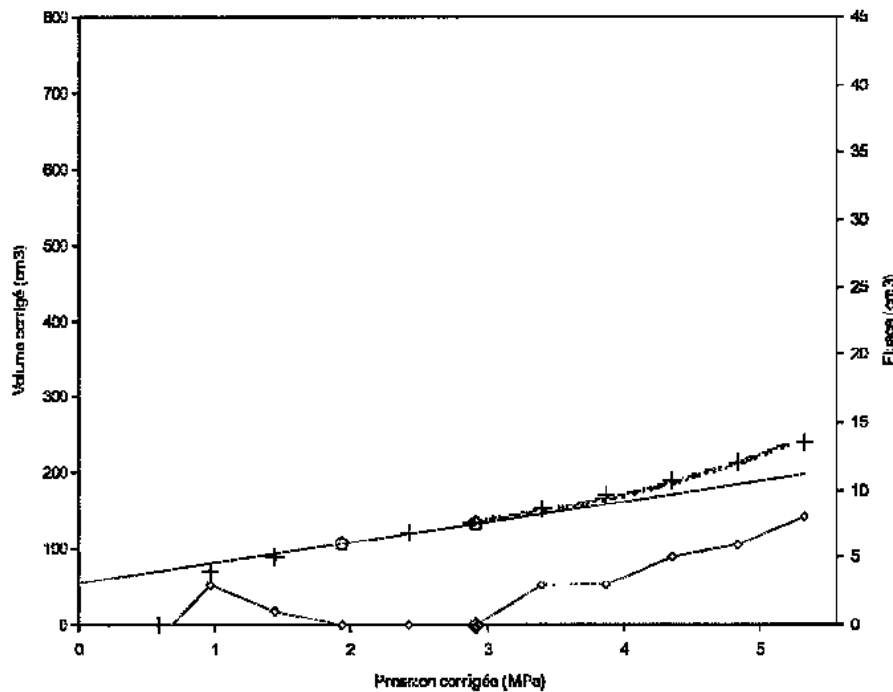
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTEFVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 60.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles

a = 2.64 cm³/MPa

(valeurs en MPa)

EM = 66.9

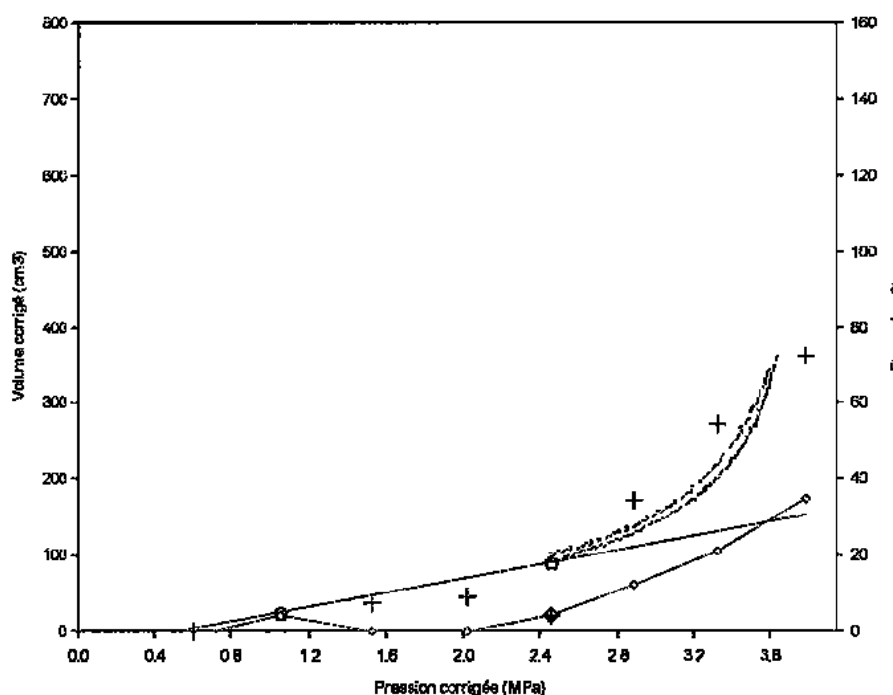
PI = 7.41	Pmax = 5.33
PI(i) = 7.41	Pf = 2.91
PI(h) = 6.98	Po = 0.53
PI(pi) = 4.36	

Légende:

- - - : PI(i)
- - - : PI(h)
- + : point de mesure
- x : point non pris en compte
- ⊕ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P_f

Sondage: MPM2009-02

Profondeur : 61.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles

a = 2.64 cm³/MPa

(valeurs en MPa)

EM = 34.9

PI = 3.82	Pmax = 3.79
PI(i) = 3.82	Pf = 2.46
PI(h) = 3.74	Po = 0.54
PI(pi) = 3.69	

Légende:

- - - : PI(i)
- - - : PI(h)
- + : point de mesure
- x : point non pris en compte
- ⊕ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOTT, MECHANICS - SIZEWELL C

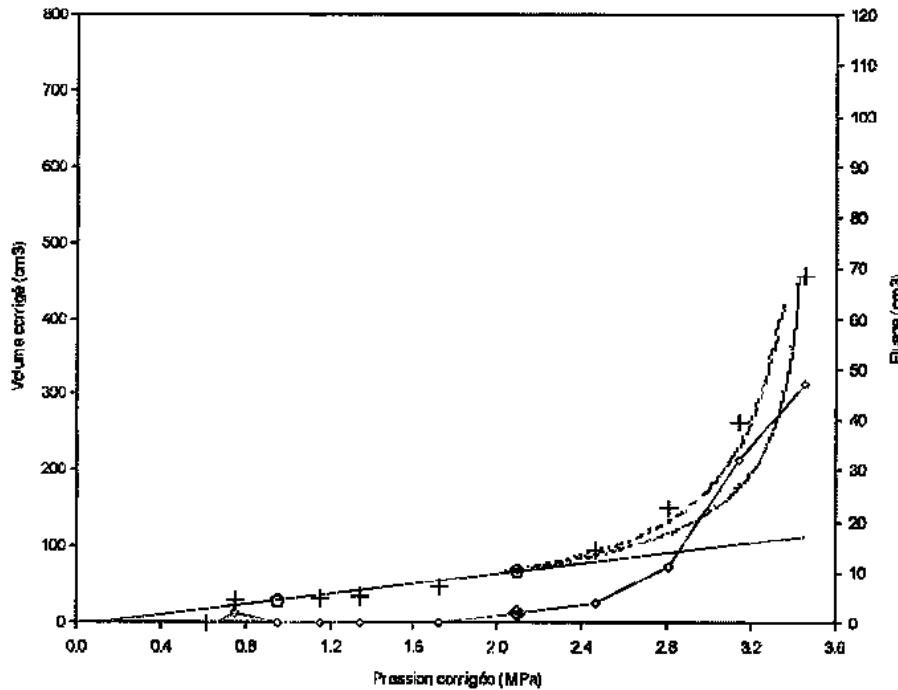
Programme: W-Pressio
Version : 1.1

FONDASOL
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BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 62.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.92 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 47.4$

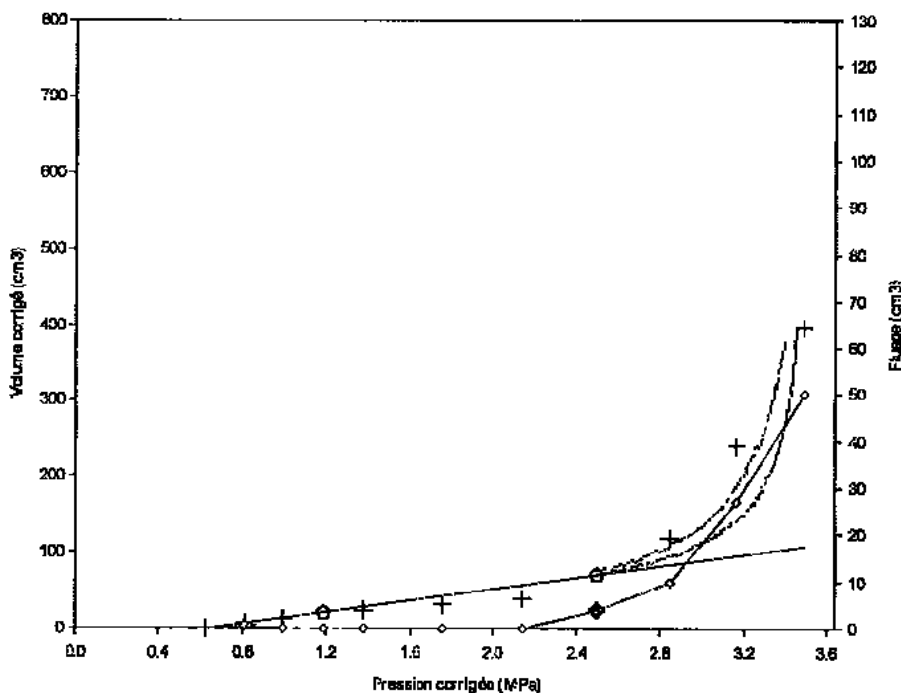
PI = 3.43	Pmax = 3.46
PI(i) = 3.43	Pf = 2.10
PI(h) = 3.45	Po = 0.55
PI(pf) = 3.14	

Légende:

- : PI(i)
- - - : PI(h)
- + : point de mesure
- x : point non pris en compte
- ◊ : extrémité de la phase linéaire
- ◊ : Fluage
- ◆ : PI

Sondage: MPM2009-02

Profondeur : 63.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.9 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 42.2$

PI = 3.47	Pmax = 3.49
PI(i) = 3.47	Pf = 2.50
PI(h) = 3.48	Po = 0.56
PI(pf) = 3.75	

Légende:

- : PI(i)
- - - : PI(h)
- + : point de mesure
- x : point non pris en compte
- ◊ : extrémité de la phase linéaire
- ◊ : Fluage
- ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

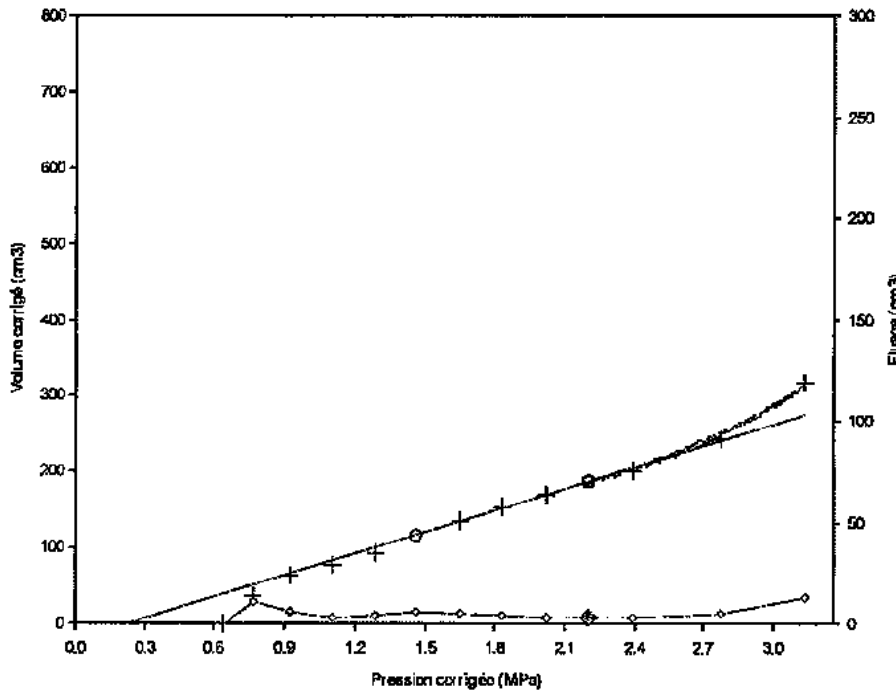
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 64.00 m



Ko testé (à):
Masse vol. Sol (t/m3): 1.8 testé (à):
Hauteur de pression (m): 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 20.2$

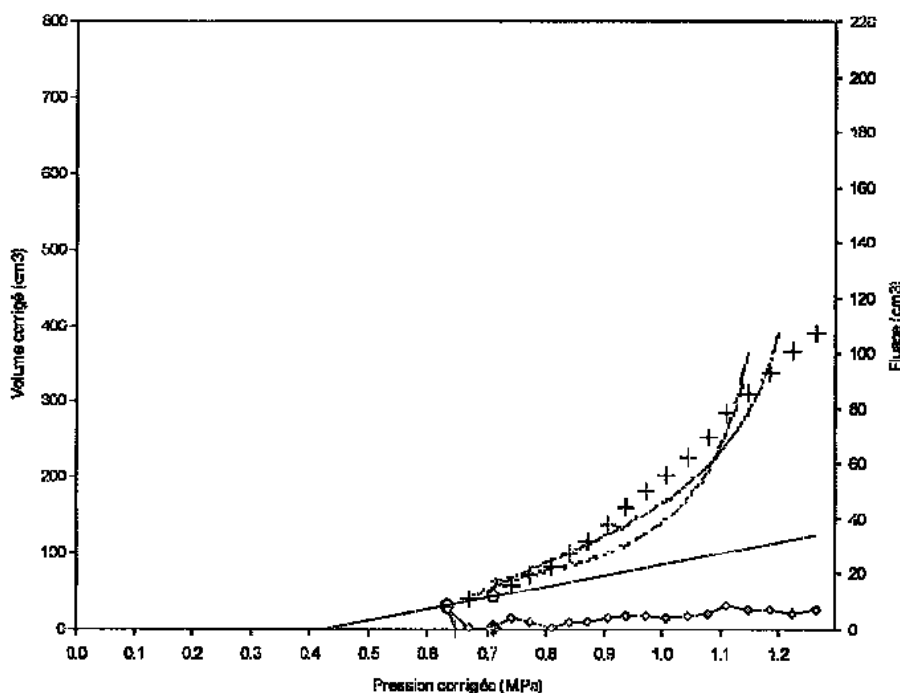
$P_1 = 3.99$	$P_{max} = 3.13$
$P_1(i) = 3.99$	$P_f = 2.21$
$P_1(h) = 3.90$	$P_o = 0.57$
$P_1(P_f) = 3.31$	

Légende:

- - - : $P_1(i)$
- - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- ◆ : P_f

Sondage: MPM2009-02

Profondeur : 65.00 m



Ko testé (à):
Masse vol. Sol (t/m3): 1.8 testé (à):
Hauteur de pression (m): 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 10.9$

$P_1 = 1.19$	$P_{max} = 1.27$
$P_1(i) = 1.19$	$P_f = 0.71$
$P_1(h) = 1.24$	$P_o = 0.57$
$P_1(P_f) = 1.07$	

Légende:

- - - : $P_1(i)$
- - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- ◆ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOLL MECHANICS - STRAWELL, C

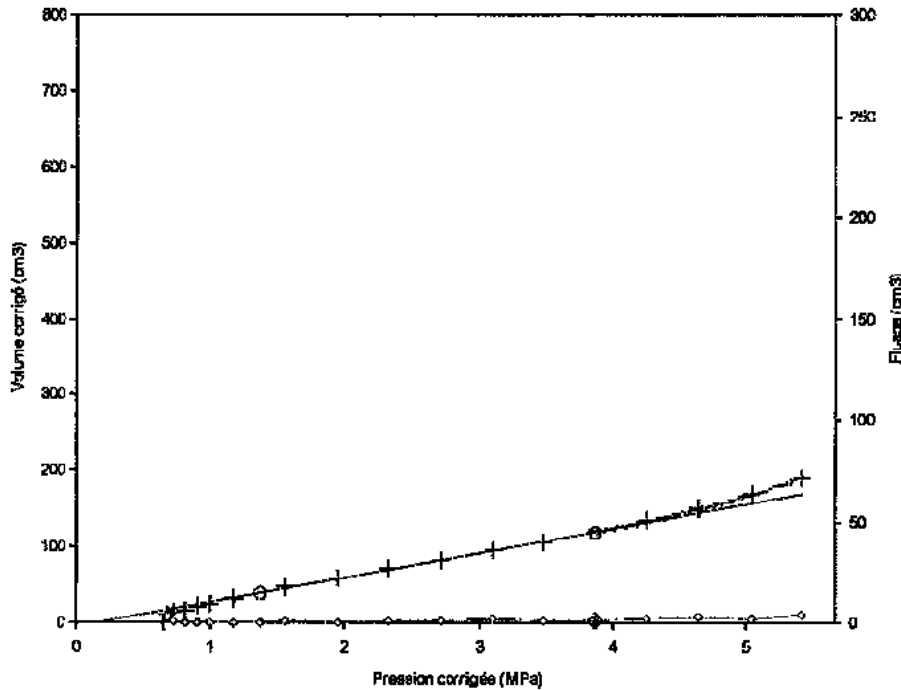
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : 96
Dernière mise à jour:
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Sondage: MPM2009-02

Profondeur : 66.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 53.0$

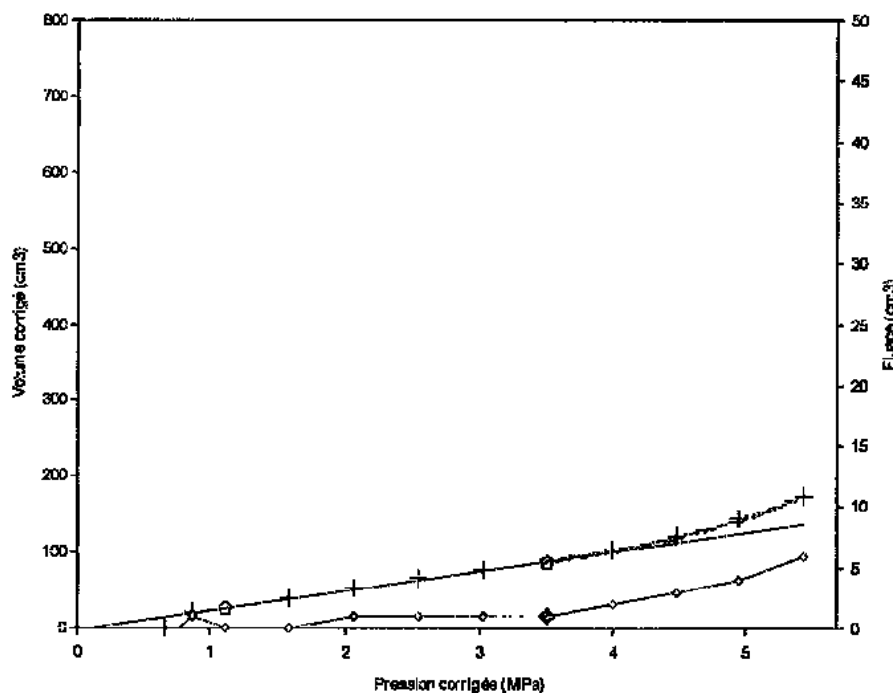
$P_1 = 7.27$	$P_{max} = 5.42$
$P_1(i) = 7.27$	$P_f = 3.88$
$P_1(h) = 7.26$	$P_o = 0.58$
$P_1(pf) = 5.81$	

Légende:

- : $P_1(i)$
- : $P_1(h)$
- +
- x
-
- ◆

Sondage: MPM2009-02

Profondeur : 67.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

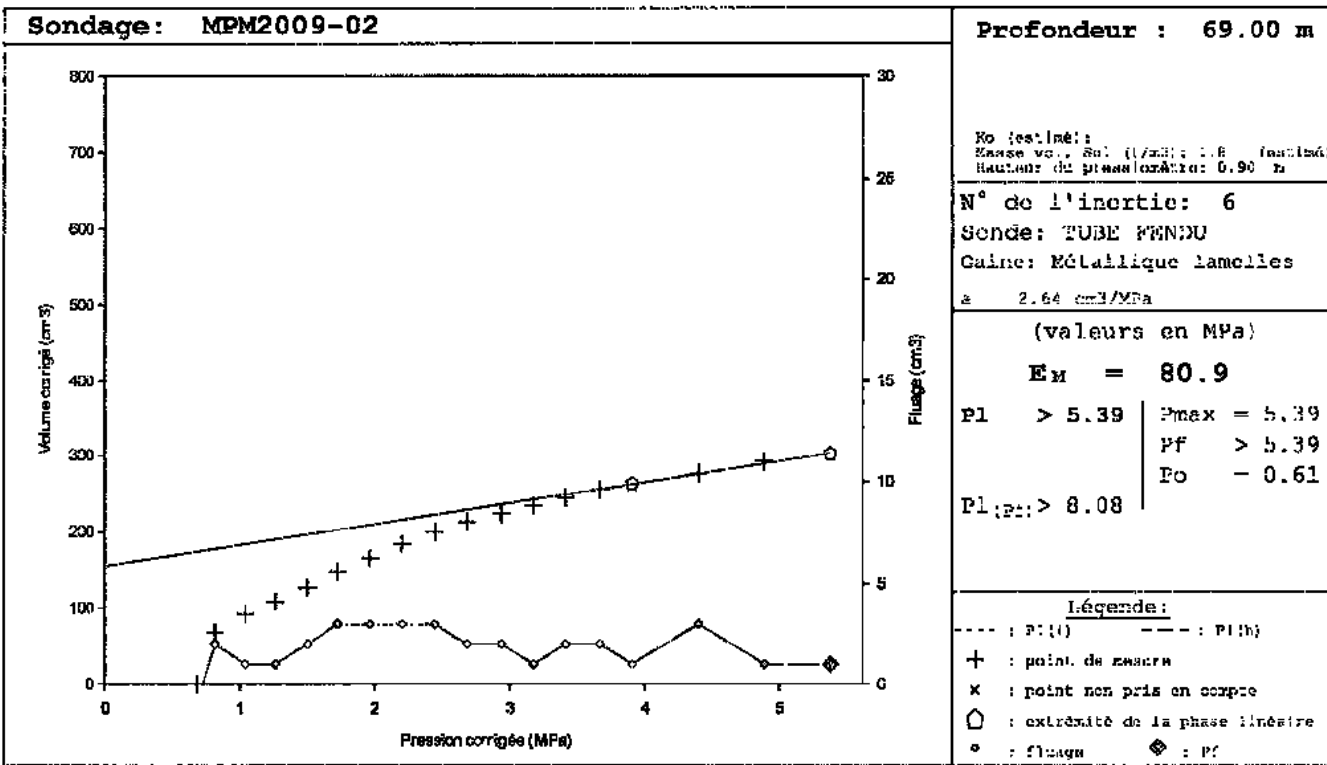
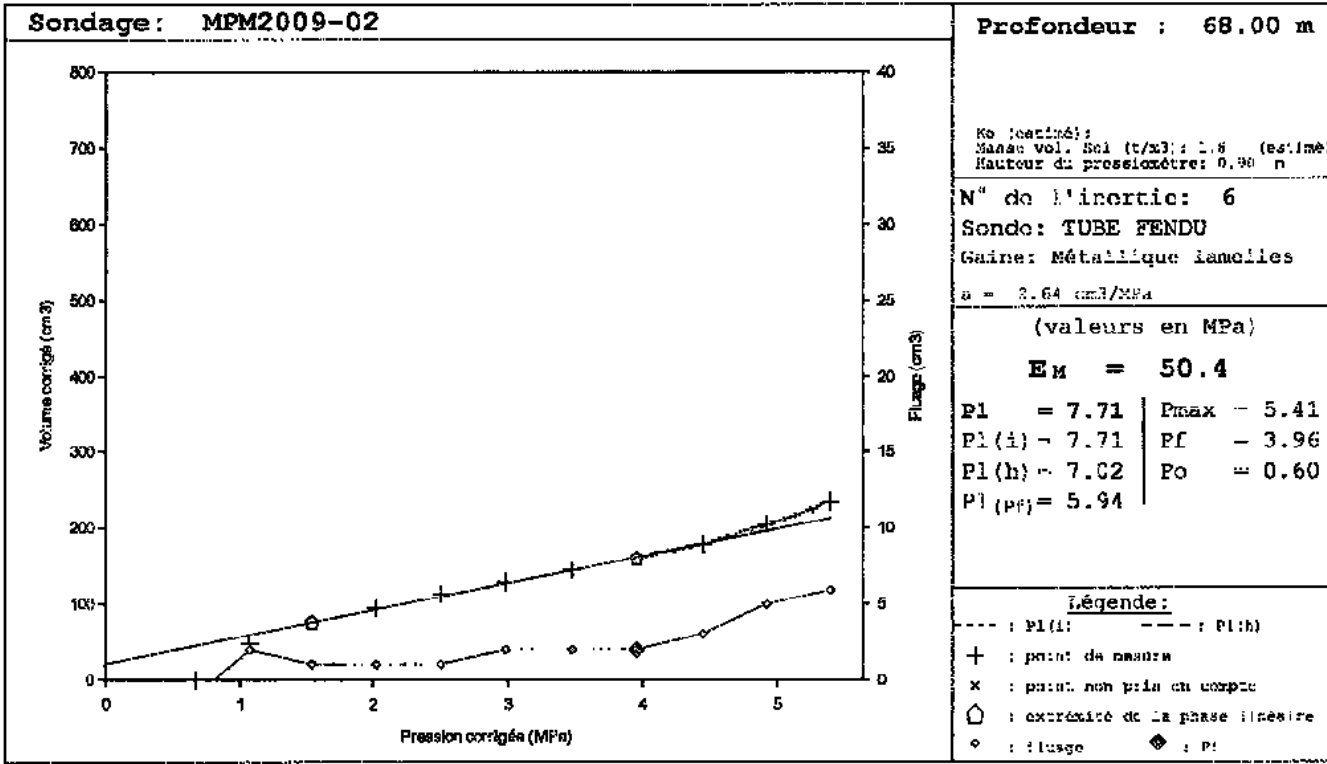
$E_M = 64.4$

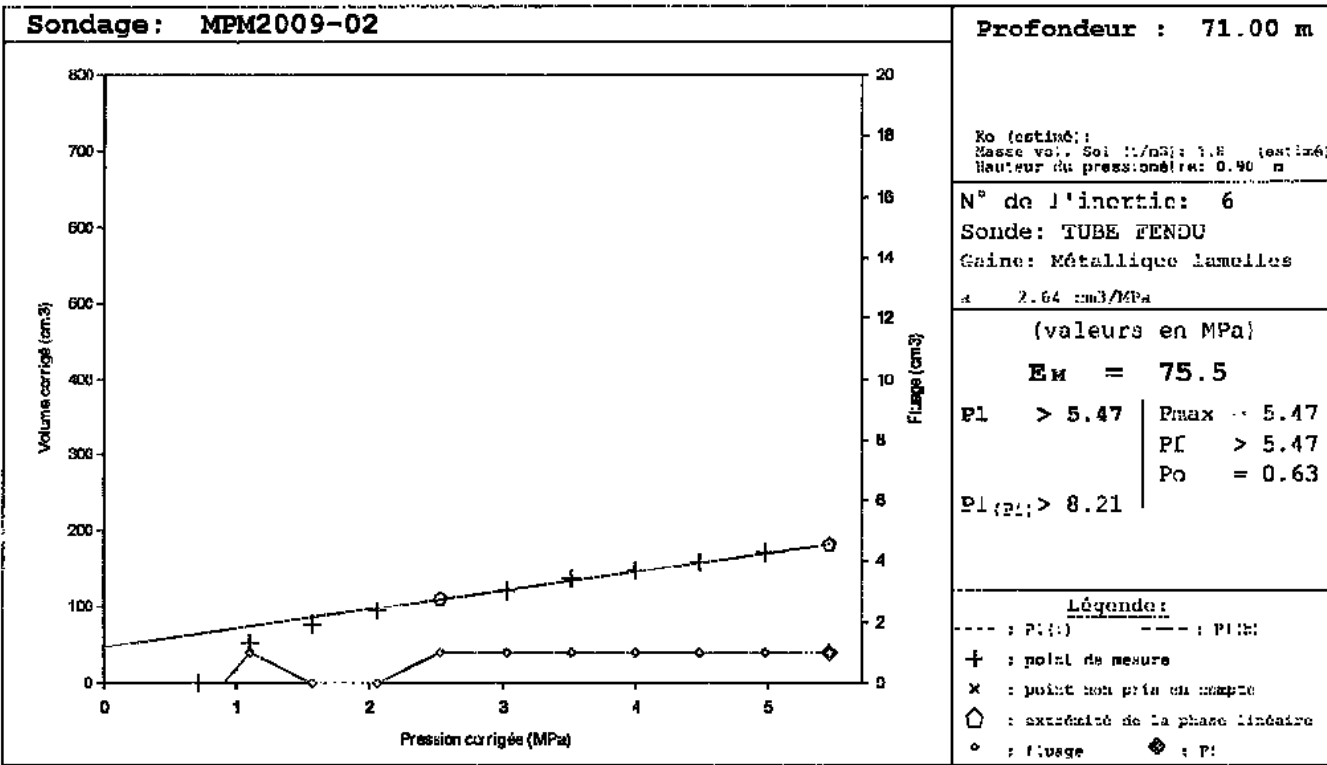
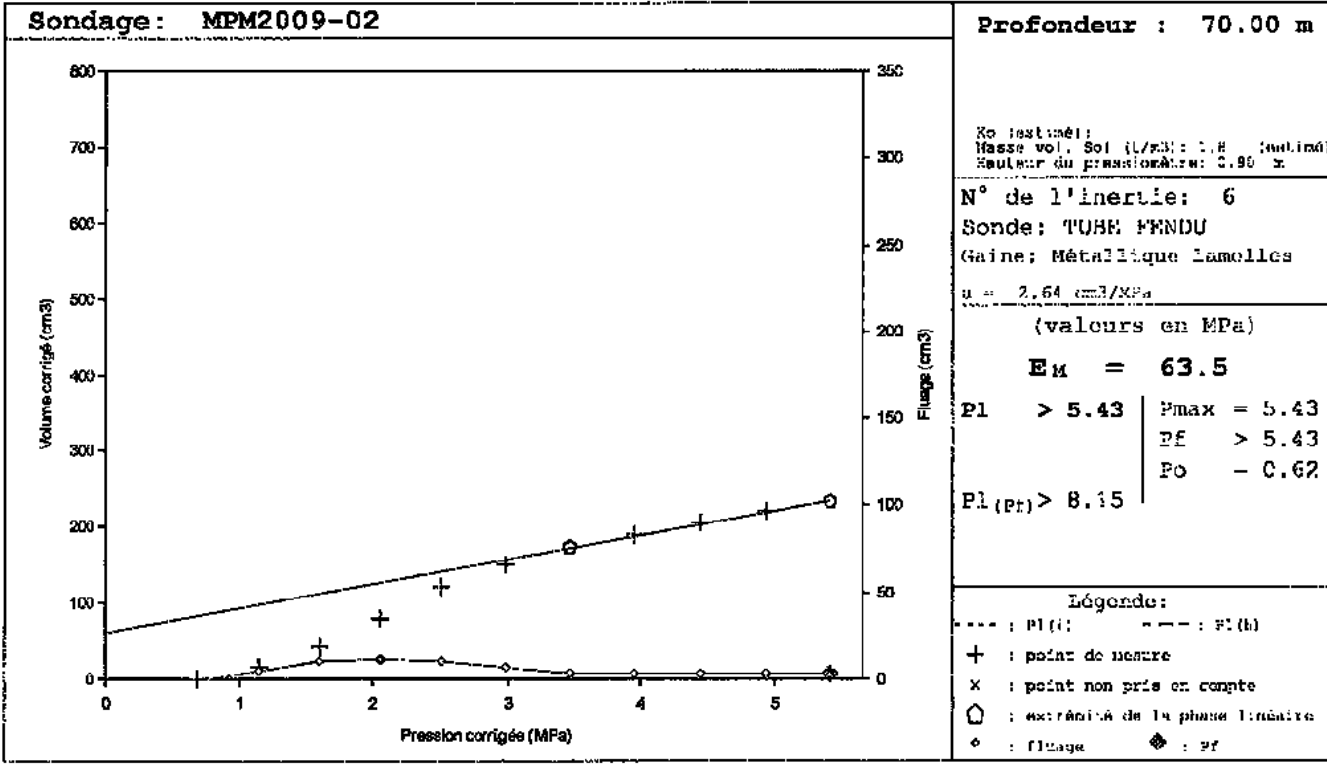
$P_1 = 6.89$	$P_{max} = 5.44$
$P_1(i) = 6.89$	$P_f = 3.52$
$P_1(h) = 6.56$	$P_o = 0.59$
$P_1(pf) = 5.27$	

Légende:

- : $P_1(i)$
- : $P_1(h)$
- +
- x
-
- ◆

AFFAIRE N° : ML.100119	ESSAI PRESSIOMETRIQUE (NFP 94-110)
Affaire: SOTT. MECHANICS - SIZEWELL C	
FONDASOL 290 rue des Galoubets BP 765 84140 MONTFAVET	Programme: W-Pressio Version : 1.1 Fichier : P6 Dernière mise à jour: 22/12/2010 09:43:22





AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZWELL C

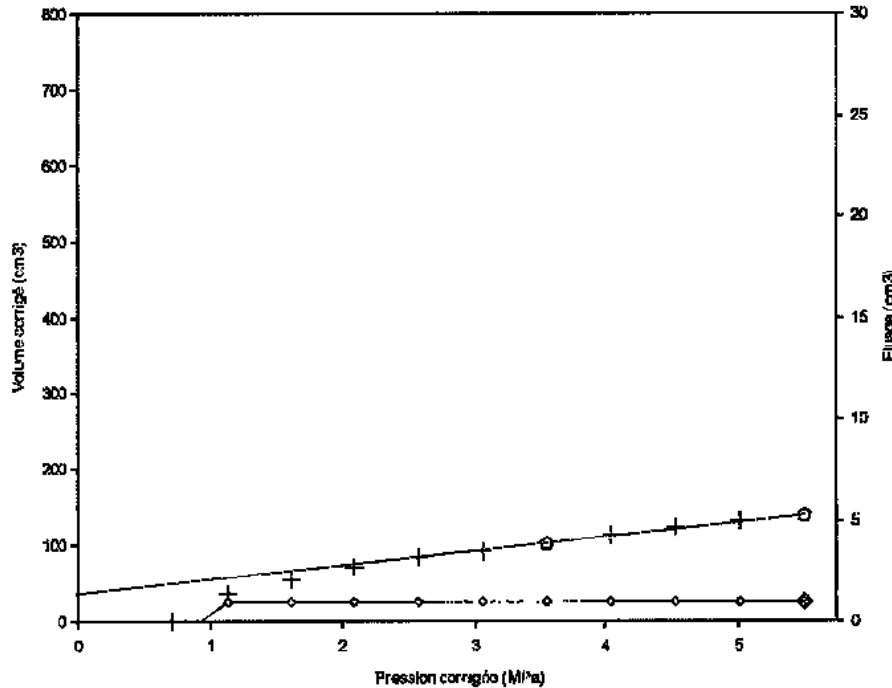
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
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Sondage: MPM2009-02

Profondeur : 72.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.6 (estimé)
Hauteur du pressiomètre: 0.92 m

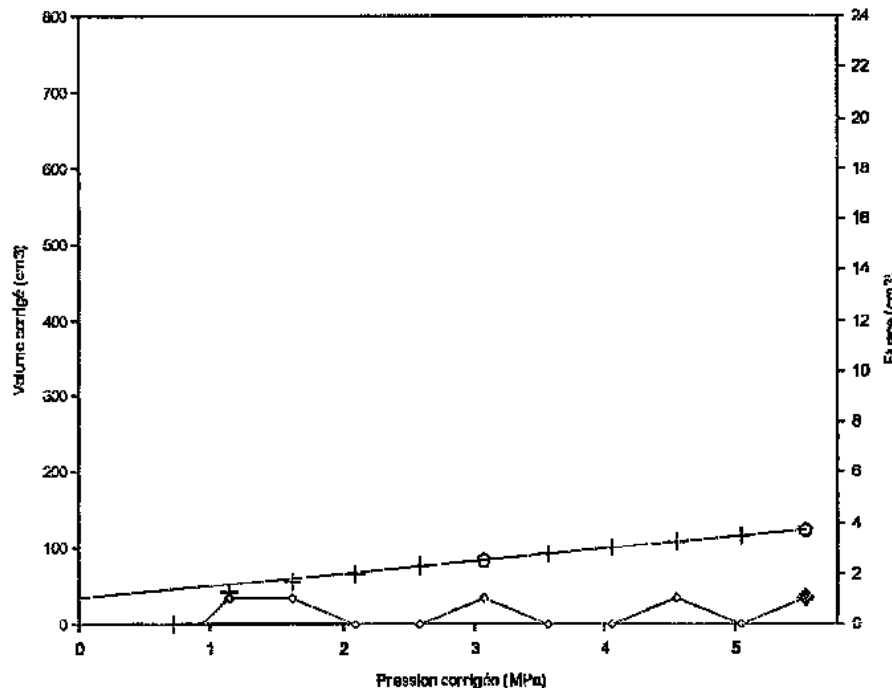
N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles

a 2.64 cm³/MPa
(valeurs en MPa)
EM = 97.1
PI > 5.51 | Pmax = 5.51
PF > 5.51
Po = 0.64
PI (Pt) > 8.27

Légende:
--- : PI (i) - - - : PI (s)
+ : point de mesure
x : point non pris en compte
□ : extrémité de la phase linéaire
◇ : flUAGE ◇ : PF

Sondage: MPM2009-02

Profondeur : 73.00 m

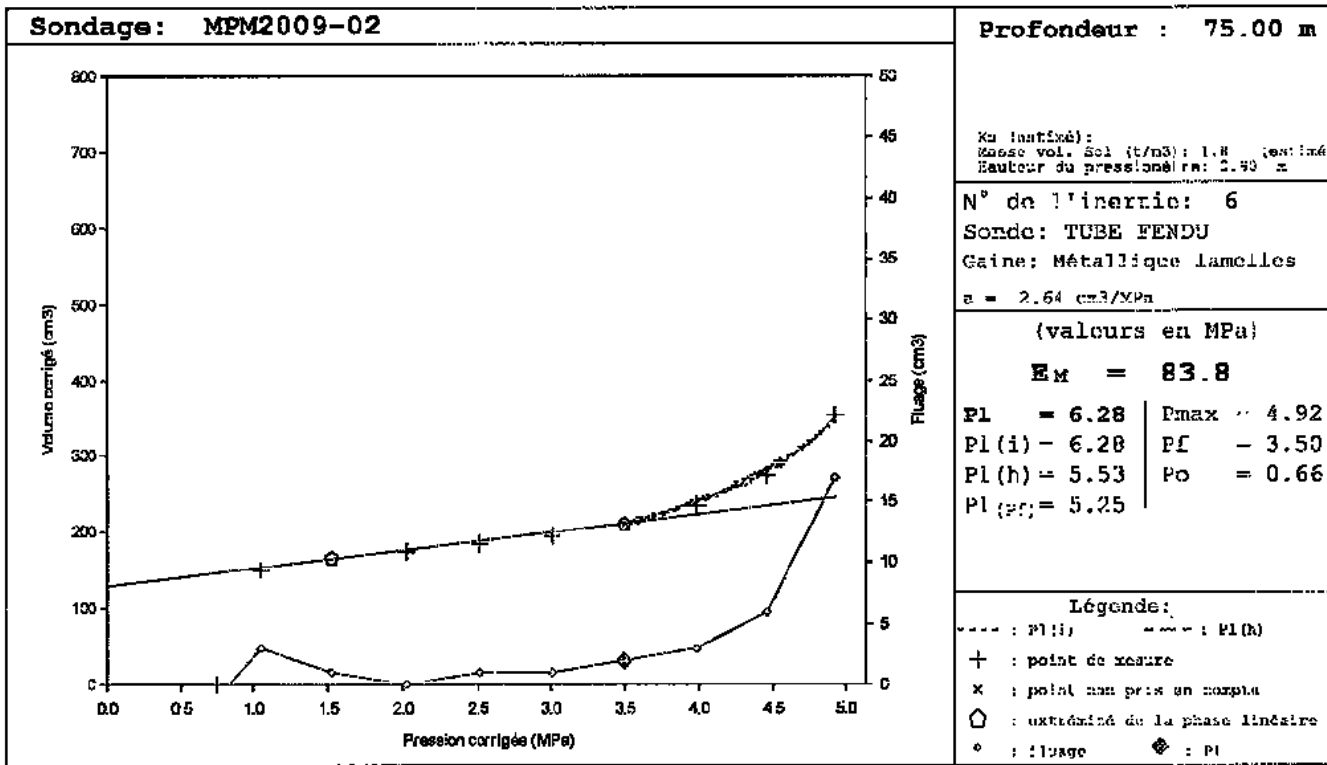
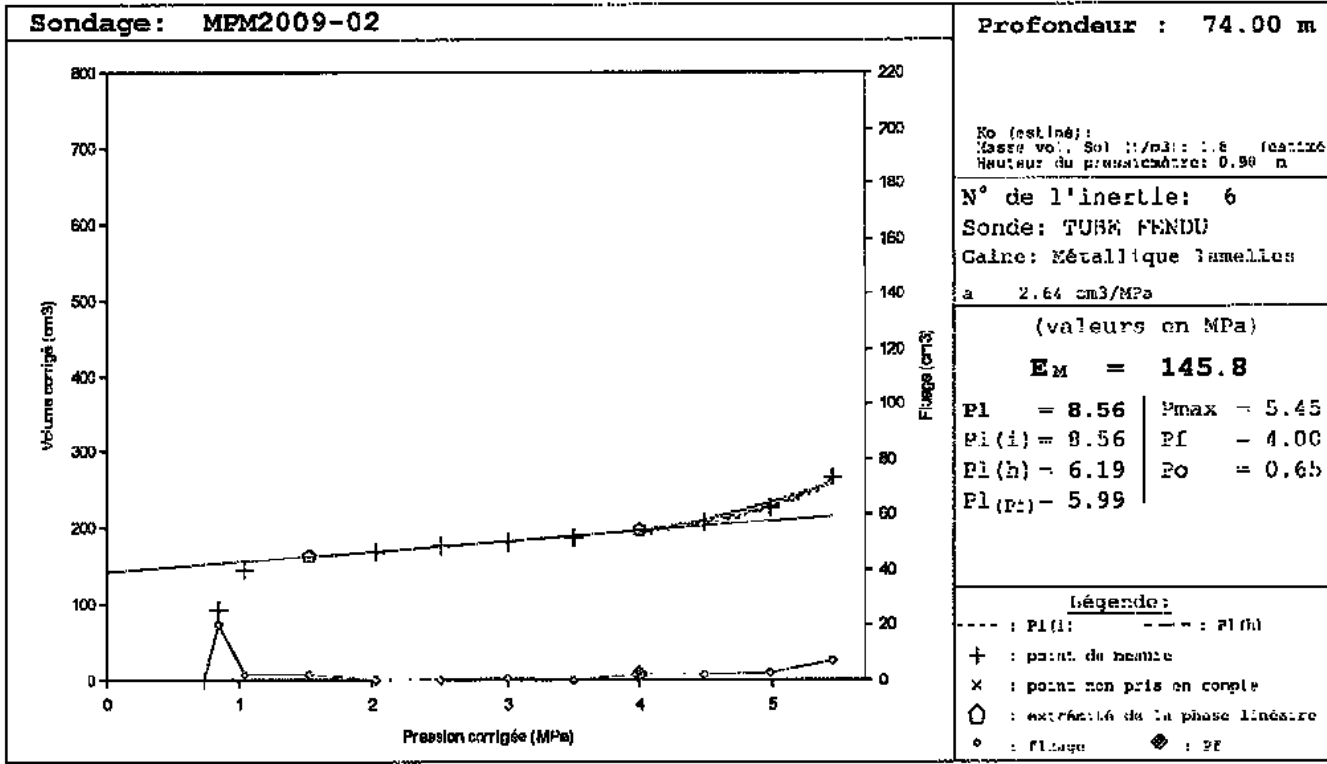


Ko (estimé):
Masse vol. Sol (t/m³): 1.6 (estimé)
Hauteur du pressiomètre: 0.92 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles

a 2.64 cm³/MPa
(valeurs en MPa)
EM = 107.4
PI > 5.54 | Pmax = 5.54
PF > 5.54
Po = 0.64
PI (Pt) > 8.30

Légende:
--- : PI (i) - - - : PI (s)
+ : point de mesure
x : point non pris en compte
□ : extrémité de la phase linéaire
◇ : flUAGE ◇ : PF

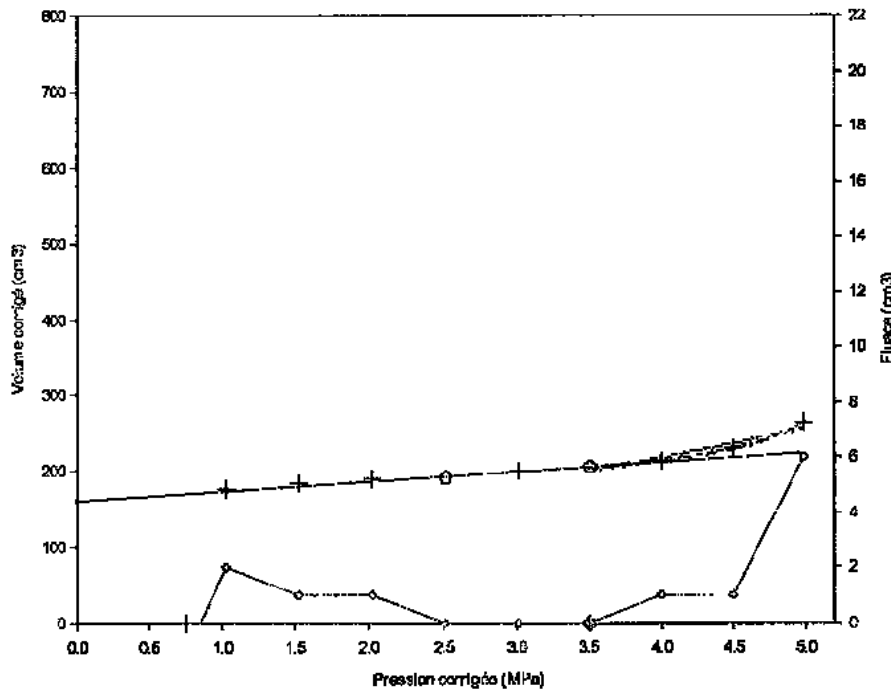


FONDASOL
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84140 MONTEVAULT

Fichier : P6
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Sondage: MPM2009-02

Profondeur : 76.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 2.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $\alpha = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 162.0$

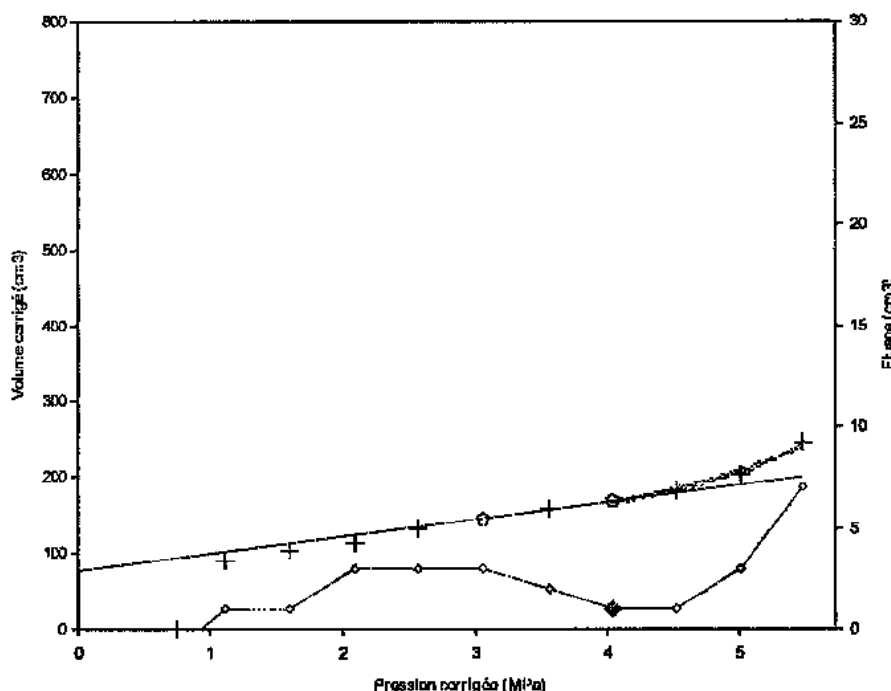
P1 = 8.94	Pmax = 4.98
P1(i) = 8.94	PF = 3.51
P1(h) = 5.58	Po = 0.67
P1(P) = 5.27	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : PF

Sondage: MPM2009-02

Profondeur : 77.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 2.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $\alpha = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 83.8$

P1 = 7.88	Pmax = 5.49
P1(i) = 7.88	PF = 4.04
P1(h) = 6.32	Po = 0.68
P1(P) = 6.07	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : PF

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

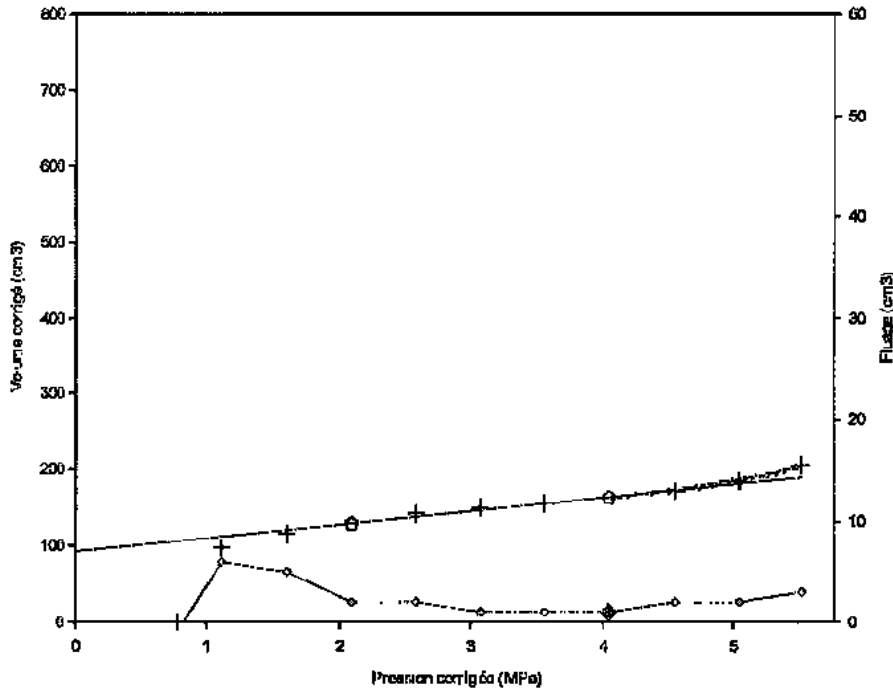
Programme: W-Pressio
Version : 1.1

FONDASOL,
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
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Sondage: MPM2009-02

Profondeur : 78.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.9 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

EM = 106.6

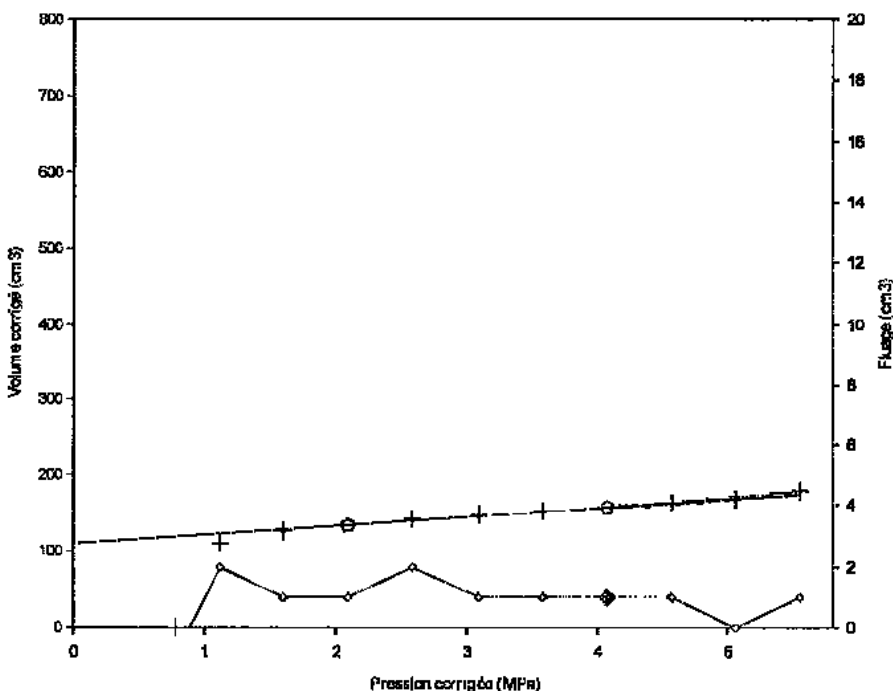
P1 = 10.05	Pmax = 5.53
P1(i) = 10.05	Pf = 4.06
P1(h) = 6.86	Po = 0.69
P1(Pf) = 6.09	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : Pf

Sondage: MPM2009-02

Profondeur : 79.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

EM = 163.6

P1 = 14.07	Pmax = 5.56
P1(i) = 14.07	Pf = 4.07
P1(h) = 8.27	Po = 0.70
P1(Pf) = 6.11	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : Pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

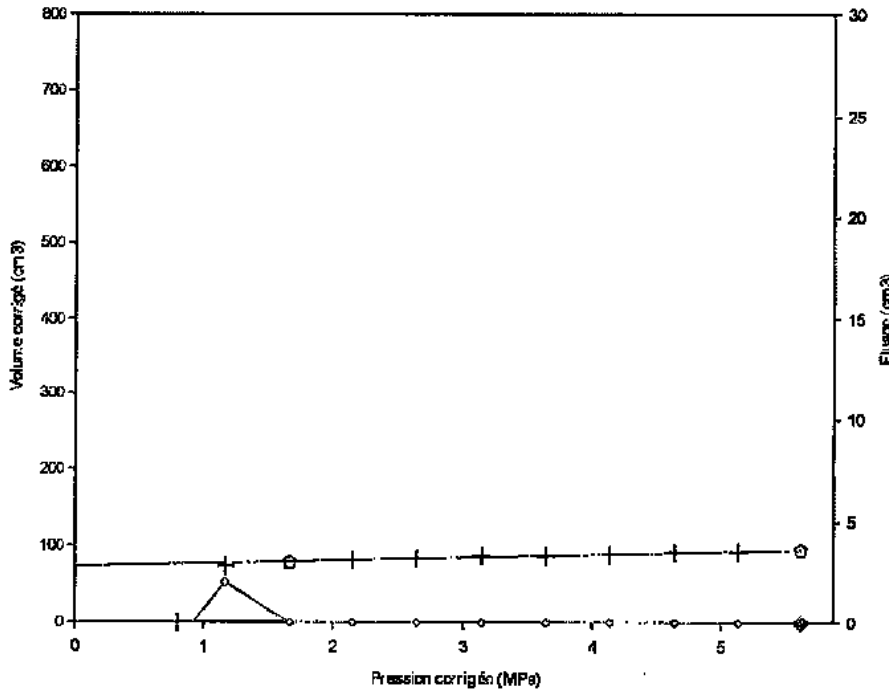
FONDIASOL
290 rue des Galoubets
BP 765
B4140 MONTEFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 80.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur de pressiométrie: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 443.1$

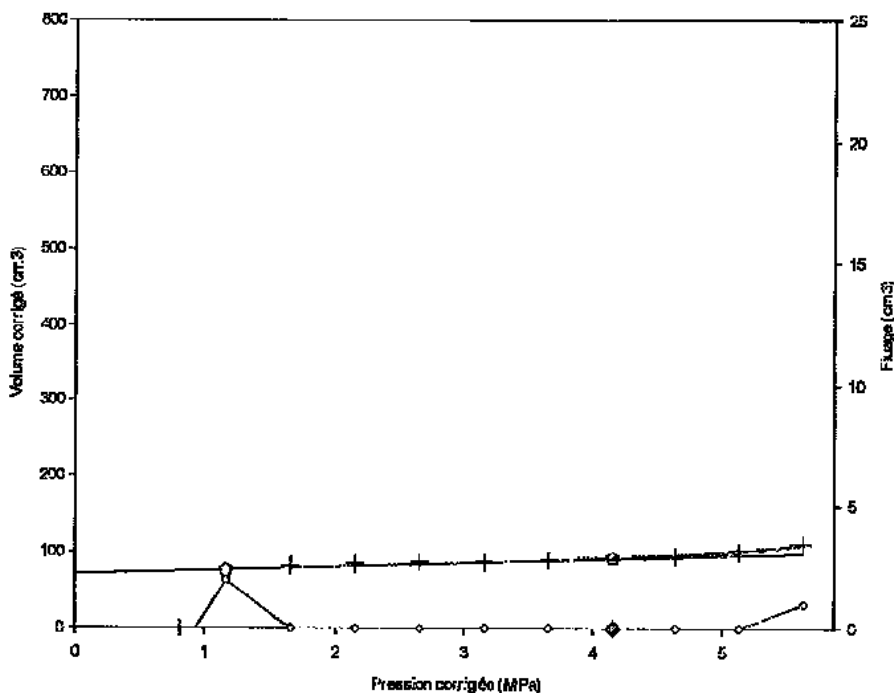
$P_1 > 5.63$ | $P_{max} = 5.63$
 $P_f > 5.63$ | $P_o = 0.71$
 $P_1 (P_f) > 8.45$

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- +
- x : point non pris en compte
- ◇ : extrémité de la phase linéaire
- : fluage ◆ : P_1

Sondage: MPM2009-02

Profondeur : 81.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur de pressiométrie: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 362.6$

$P_1 = 11.81$ | $P_{max} = 5.63$
 $P_1(i) = 11.81$ | $P_f = 4.15$
 $P_1(h) = 6.27$ | $P_o = 0.72$
 $P_1(P_f) = 6.22$

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- +
- x : point non pris en compte
- ◇ : extrémité de la phase linéaire
- : fluage ◆ : P_1

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SI/FWELL C

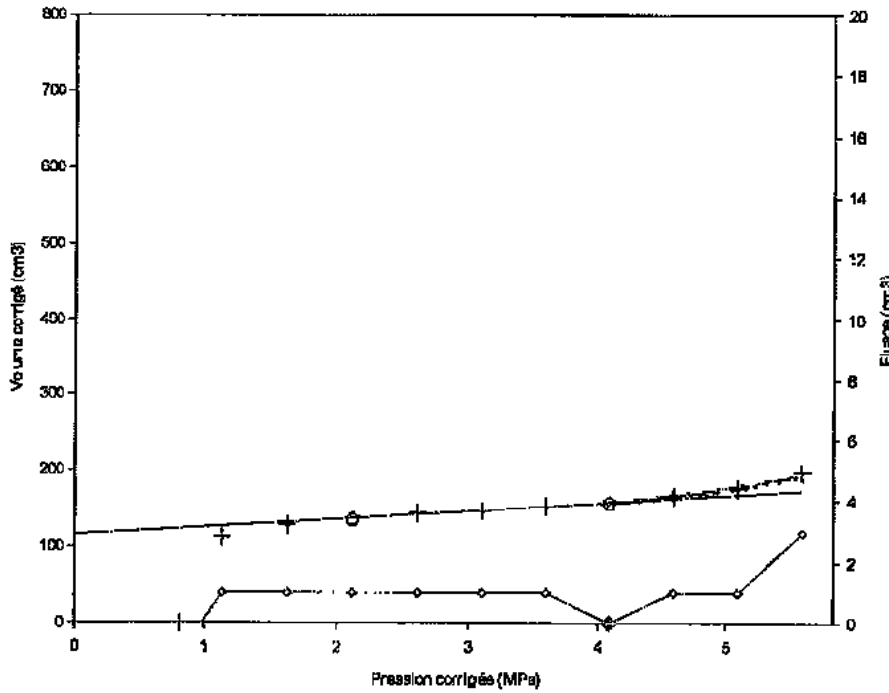
Programme: W-PRESSIO
Version : 1.1

FONDASOI
290 rue des Galoubets
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Fichier : P6
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Sondage: MPM2009-02

Profondeur : 82.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique Lamelles
 $\alpha = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_m = 180.1$

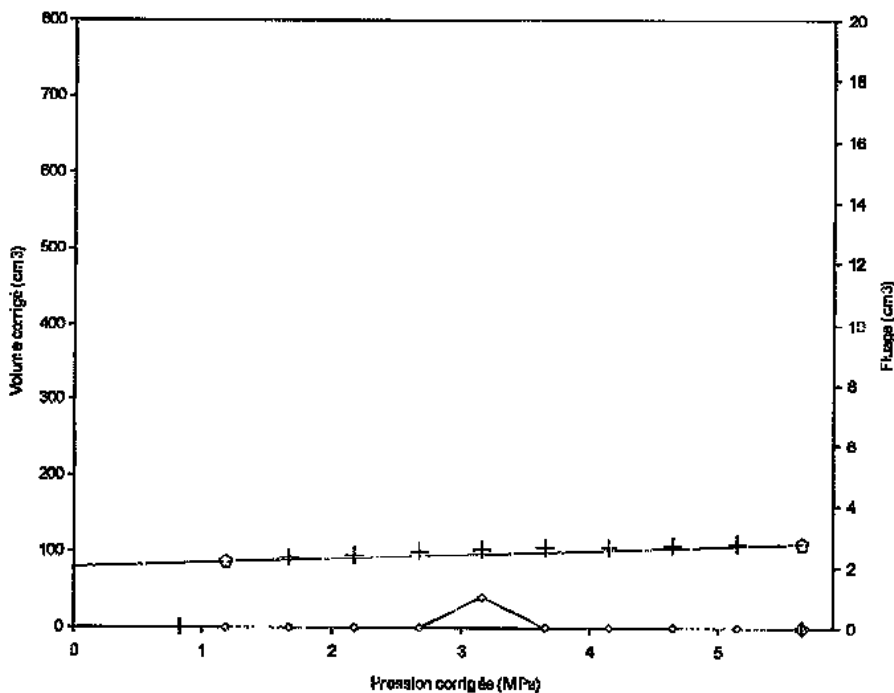
$P_1 = 10.40$	$P_{max} = 5.57$
$P_1(i) = 10.40$	$P_f = 4.10$
$P_1(h) = 6.99$	$P_o = 0.72$
$P_1(P_f) = 6.15$	

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : P_1

Sondage: MPM2009-02

Profondeur : 83.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique Lamelles
 $\alpha = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_m = 311.7$

$P_1 > 5.65$	$P_{max} = 5.65$
	$P_f > 5.65$
	$P_o = 0.73$
$P_1(P_f) > 8.47$	

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : P_1

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

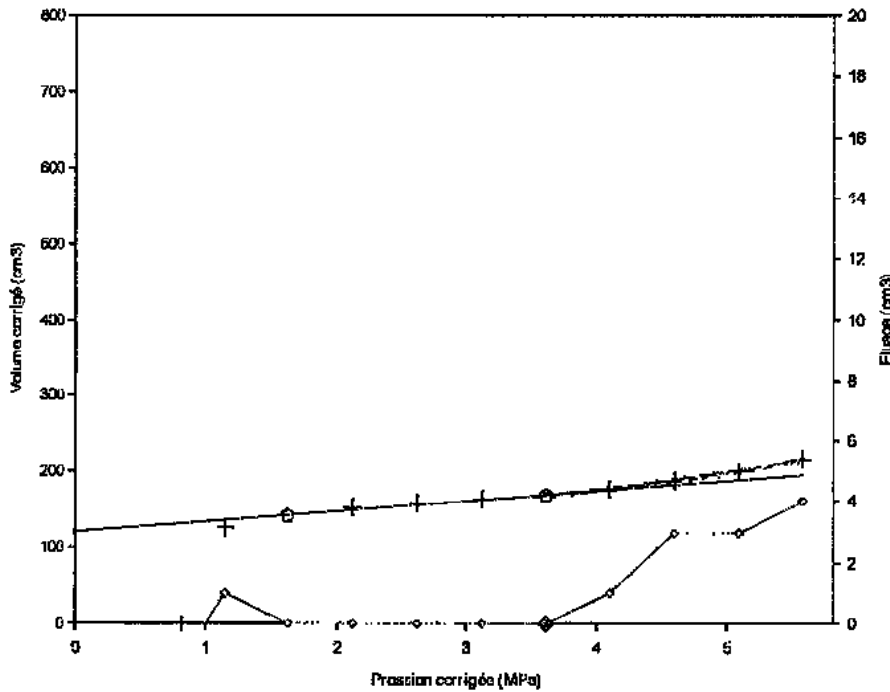
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
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Fichier : P6
Dernière mise à jour:
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Sondage: MPM2009-02

Profondeur : 84.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 3.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a = 2.64 cm³/MPa

(valeurs en MPa)

EM = 141.0

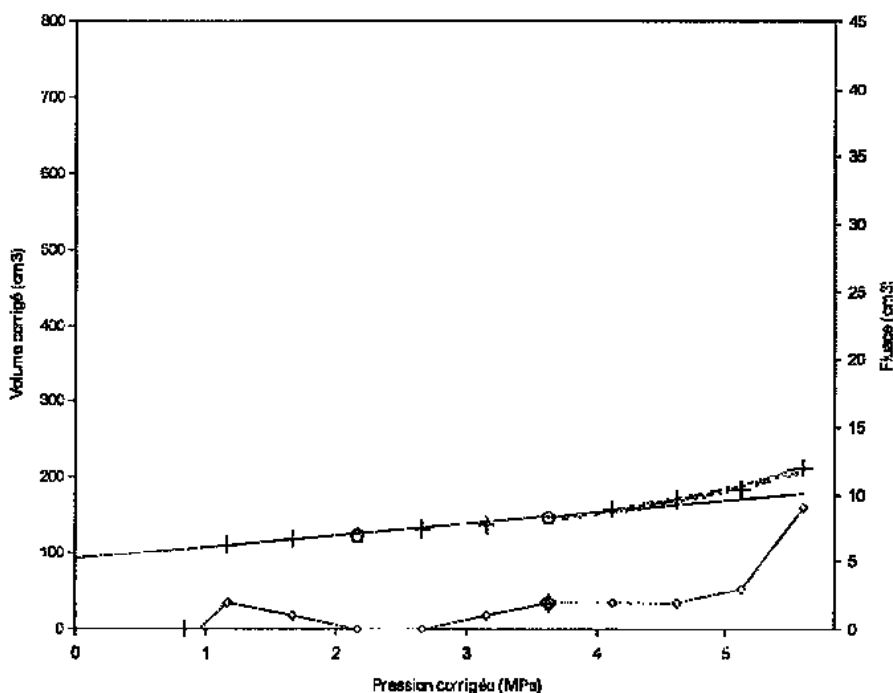
P1 = 10.98	Pmax = 5.58
P1(i) = 10.98	Pf = 3.61
P1(h) = 7.23	Po = 0.74
P1(pf) = 5.42	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◇ : extrémité de la phase linéaire
- ◆ : P1

Sondage: MPM2009-02

Profondeur : 85.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 3.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a = 2.64 cm³/MPa

(valeurs en MPa)

EM = 118.9

P1 = 9.05	Pmax = 5.59
P1(i) = 9.05	Pf = 3.64
P1(h) = 6.87	Po = 0.75
P1(pf) = 5.46	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◇ : extrémité de la phase linéaire
- ◆ : P1

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

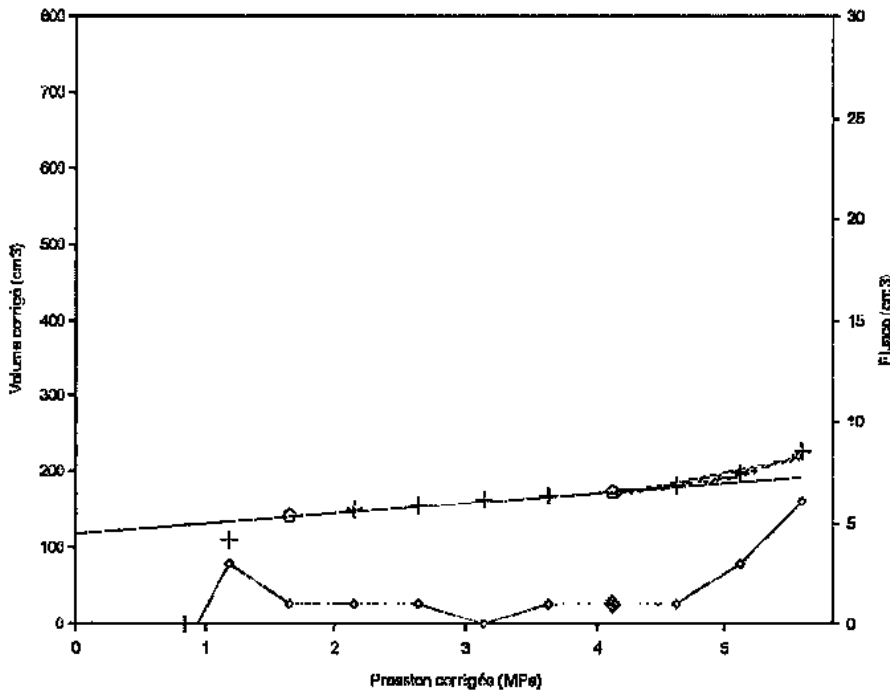
Programme: W-PRESSIO
Version : 1.1

PONDASOL
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Fichier : P6
Dernière mise à jour:
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Sondage: MPM2009-02

Profondeur : 86.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDDJ
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 145.6$

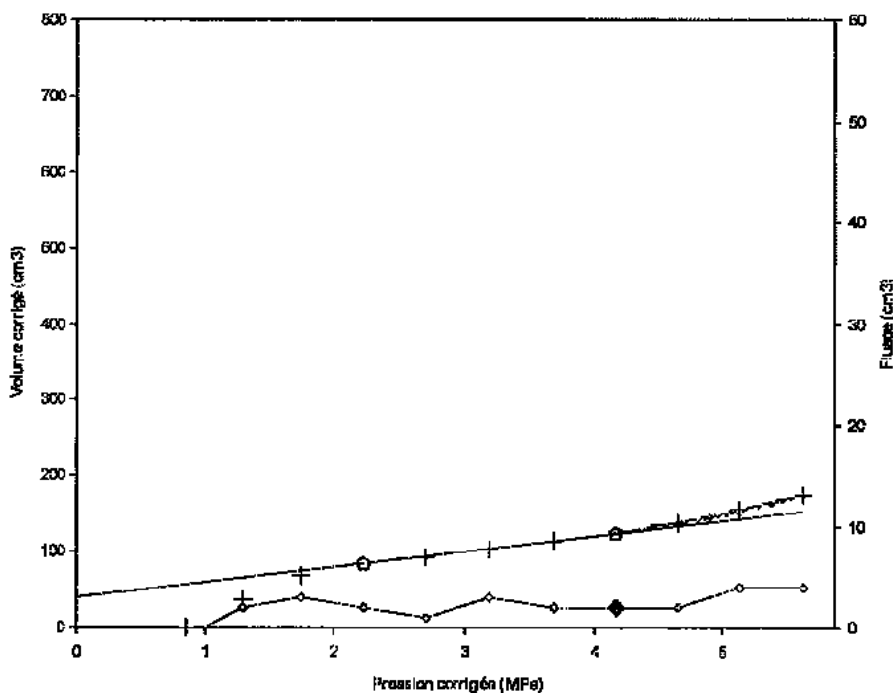
$P_1 = 9.40$	$P_{max} = 5.59$
$P_1(i) = 9.40$	$P_f = 4.13$
$P_1(h) = 6.18$	$P_0 = 0.76$
$P_1(pf) = 6.19$	

Légende:

- : $P_1(i)$
- - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P_f

Sondage: MPM2009-02

Profondeur : 87.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDC
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

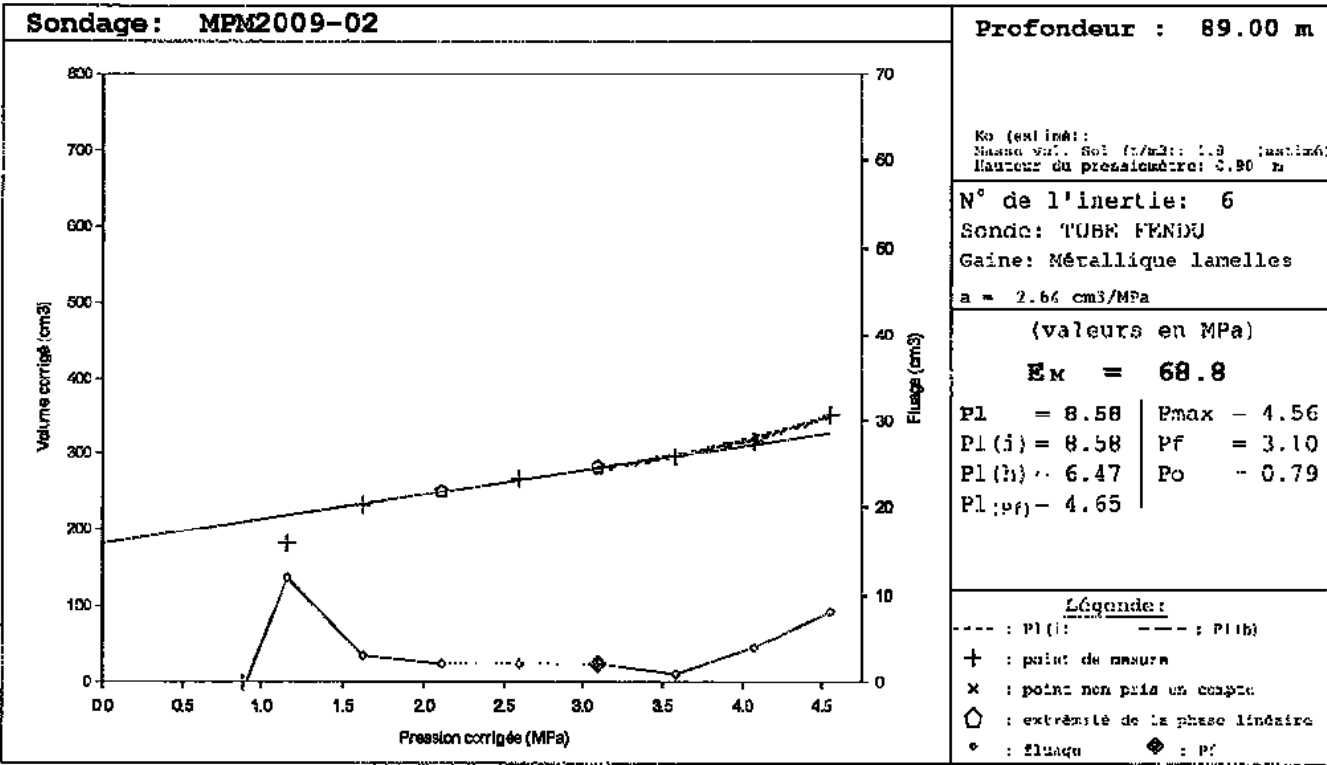
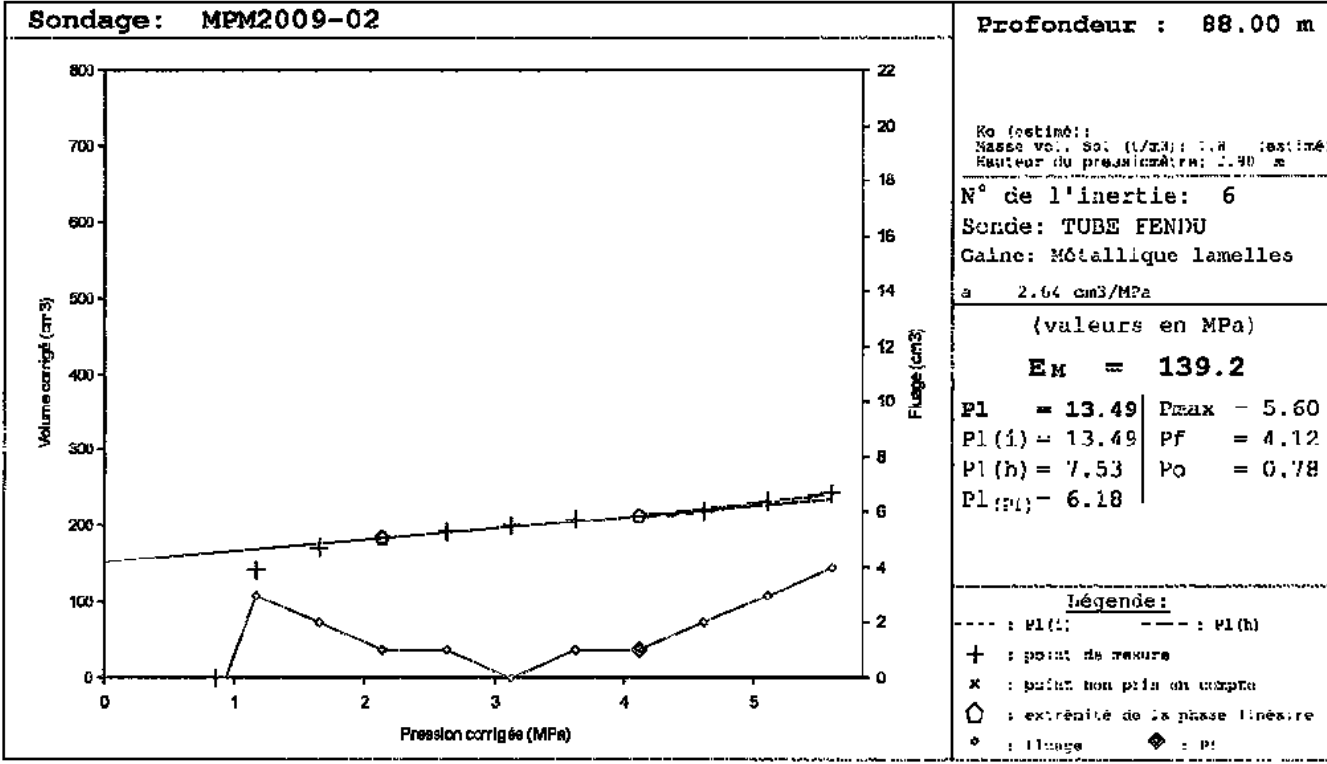
(valeurs en MPa)

$E_M = 87.1$

$P_1 = 8.37$	$P_{max} = 5.64$
$P_1(i) = 8.37$	$P_f = 4.18$
$P_1(h) = 7.71$	$P_0 = 0.77$
$P_1(pf) = 6.26$	

Légende:

- : $P_1(i)$
- - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P_f



AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - STZWELL C

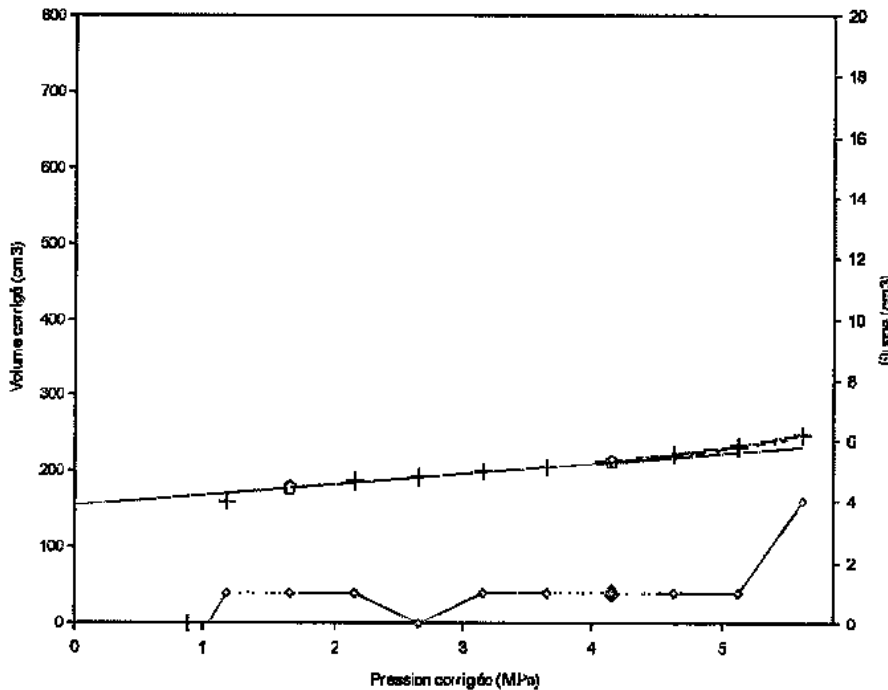
Programme: W-Pressio
Version : 1.1

FONDASOI,
290 rue des Galoubets
BF 765
84140 MONTEFAVET

Fichier : P6
Dernière mise à jour:
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Sondage: MPM2009-02

Profondeur : 90.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_M = 149.0

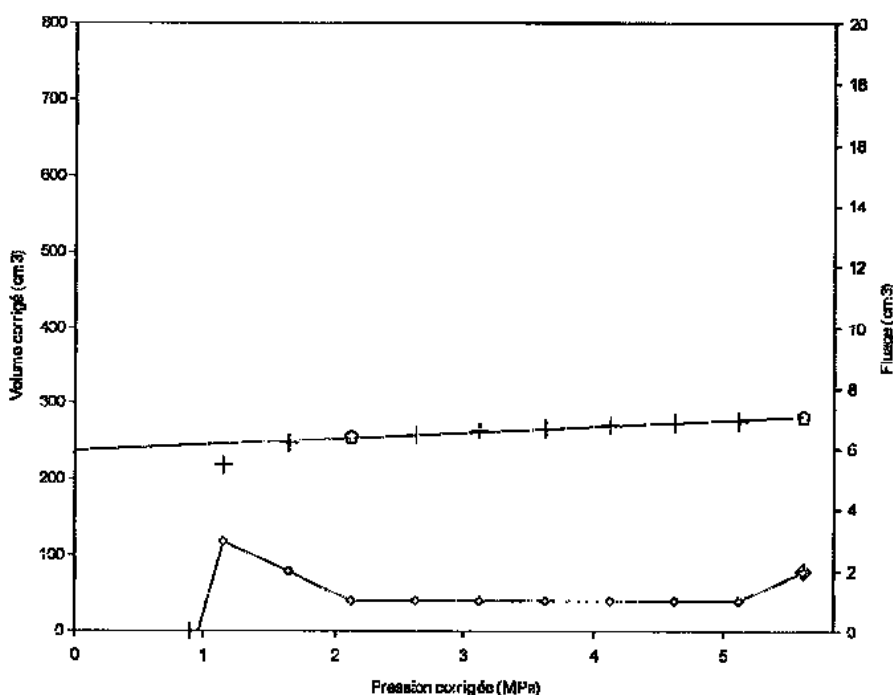
P _l = 12.12	P _{max} = 5.62
P _{l(i)} = 12.12	P _f = 4.14
P _{l(h)} = 9.25	P _o = 0.79
P _{l(pf)} = 6.21	

Légende:

- : P_{l(i)} - - - : P_{l(h)}
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- ♦ : fluage ◆ : P_f

Sondage: MPM2009-02

Profondeur : 91.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_M = 267.1

P _l > 5.61	P _{max} = 5.61
	P _f > 5.61
	P _o = 0.80
P _{l(pf)} > 8.42	

Légende:

- : P_{l(i)} - - - : P_{l(h)}
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- ♦ : fluage ◆ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

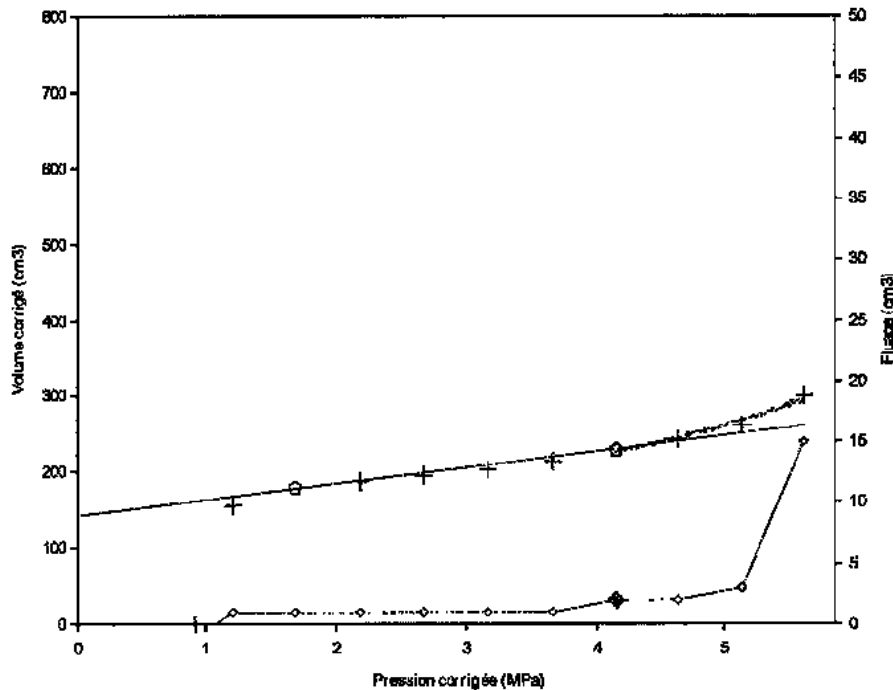
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
91 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 92.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 97.4$

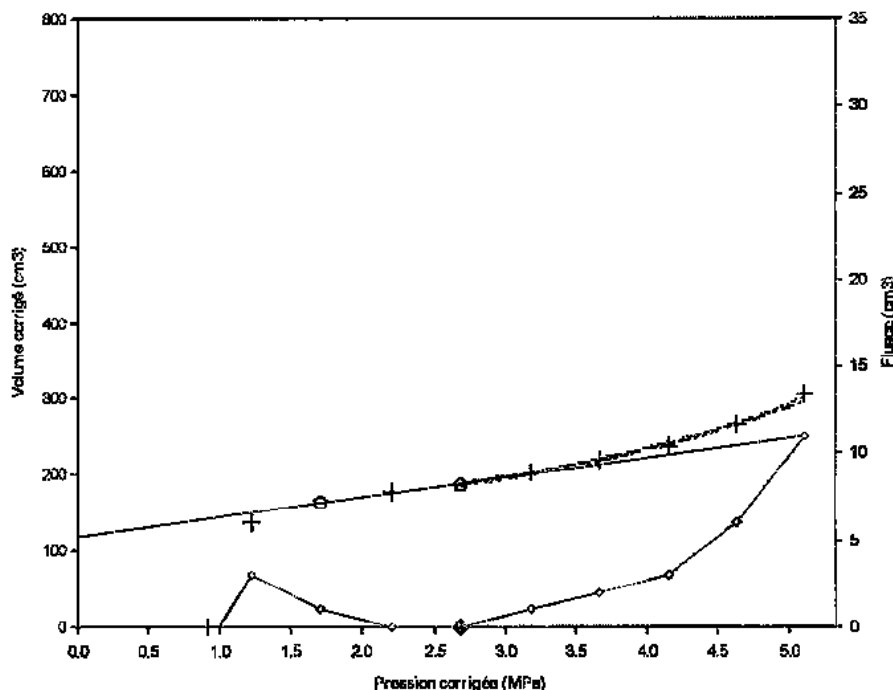
$P1 = 8.93$	$P_{max} = 5.61$
$P1(i) = 8.93$	$P_f = 4.15$
$P1(h) = 7.19$	$P_o = 0.81$
$P1(pf) = 6.23$	

Légende:

--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage o : pf

Sondage: MPM2009-02

Profondeur : 93.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 75.7$

$P1 = 7.89$	$P_{max} = 5.12$
$P1(i) = 7.89$	$P_f = 2.69$
$P1(h) = 6.78$	$P_o = 0.82$
$P1(pf) = 4.04$	

Légende:

--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage o : pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

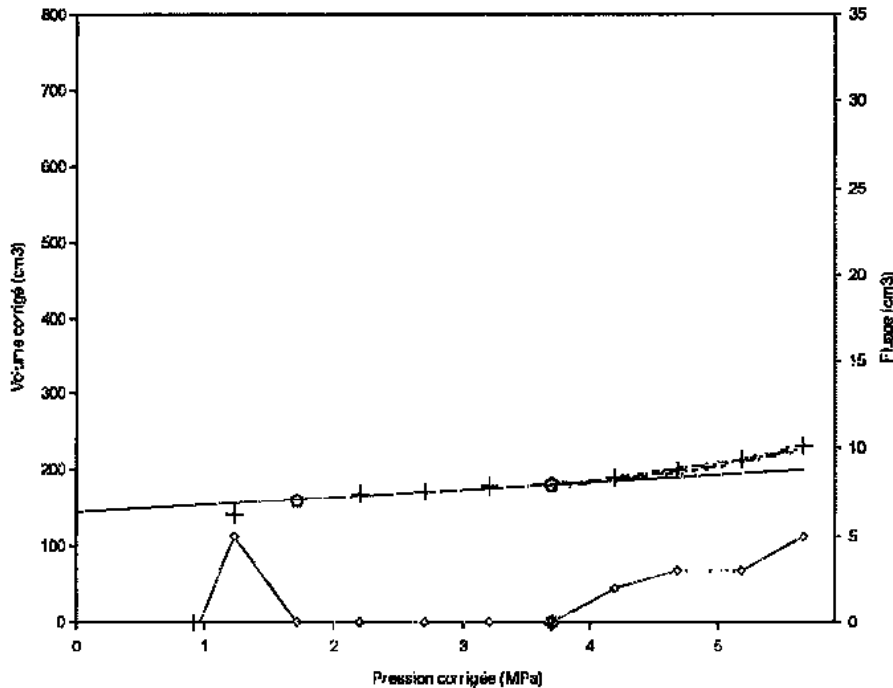
Programme: W-PRESSIO
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 94.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.50 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 195.8$

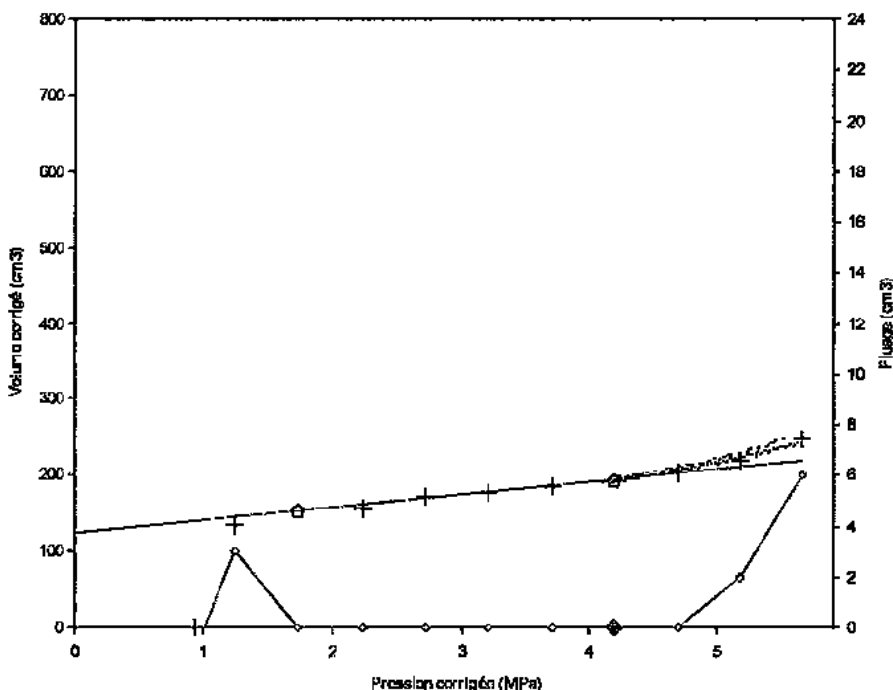
$P_1 = 11.17$	$P_{max} = 5.67$
$P_1(i) = 11.17$	$P_f = 3.70$
$P_1(h) = 6.54$	$P_o = 0.83$
$P_1(pf) = 5.55$	

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

Sondage: MPM2009-02

Profondeur : 95.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 116.2$

$P_1 = 9.43$	$P_{max} = 5.67$
$P_1(i) = 9.43$	$P_f = 4.20$
$P_1(h) = 7.32$	$P_o = 0.84$
$P_1(pf) = 6.31$	

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOLL MECHANICS - SIZEWELL C

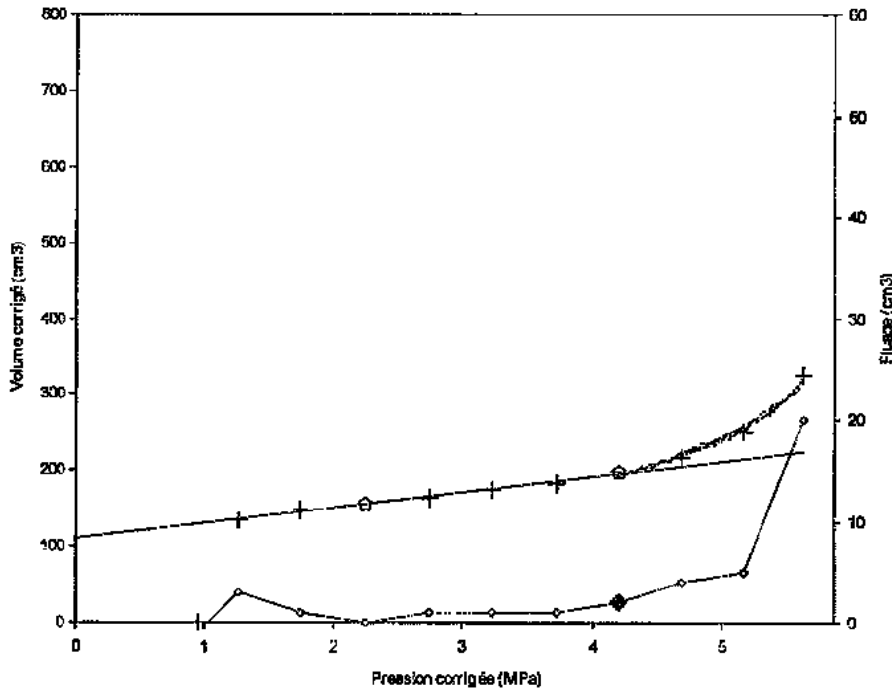
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 96.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.97 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 97.2$

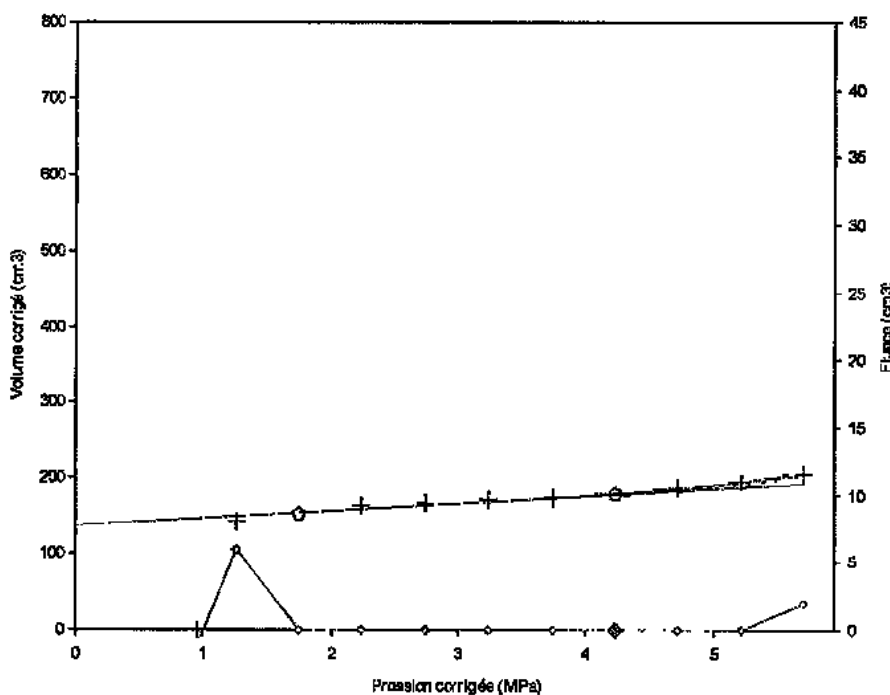
Pl = 7.13	Pmax = 5.64
Pl(i) = 7.13	Pf = 4.21
Pl(h) = 6.22	Po = 0.85
Pl(pf) = 6.32	

Légende:

- : P(i)
- : Pl(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- : filage
- ◆ : Pf

Sondage: MPM2009-02

Profondeur : 97.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.6 (estimé)
Hauteur du pressiomètre: 0.90 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 196.3$

Pl = 13.33	Pmax = 5.71
Pl(i) = 13.33	Pf = 4.23
Pl(h) = 6.82	Po = 0.86
Pl(pf) = 6.35	

Légende:

- : P(i)
- : Pl(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- : filage
- ◆ : Pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL C

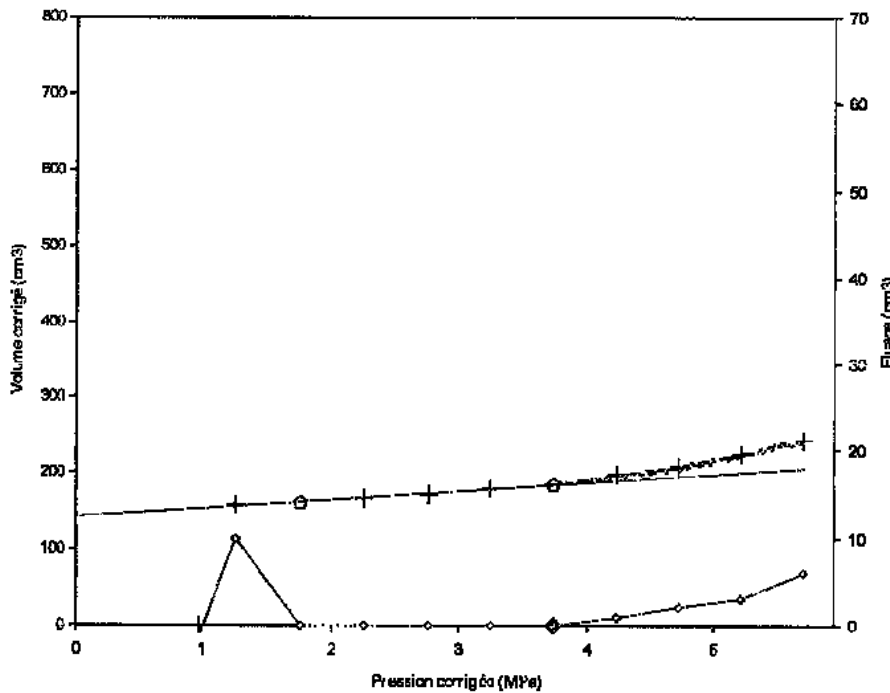
FONDASOL
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Programme: W-Pressio
Version : 1.1

Fichier : P6
Dernière mise à jour:
22/12/2010 09:43:22

Sondage: MPM2009-02

Profondeur : 98.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.96 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 177.9$

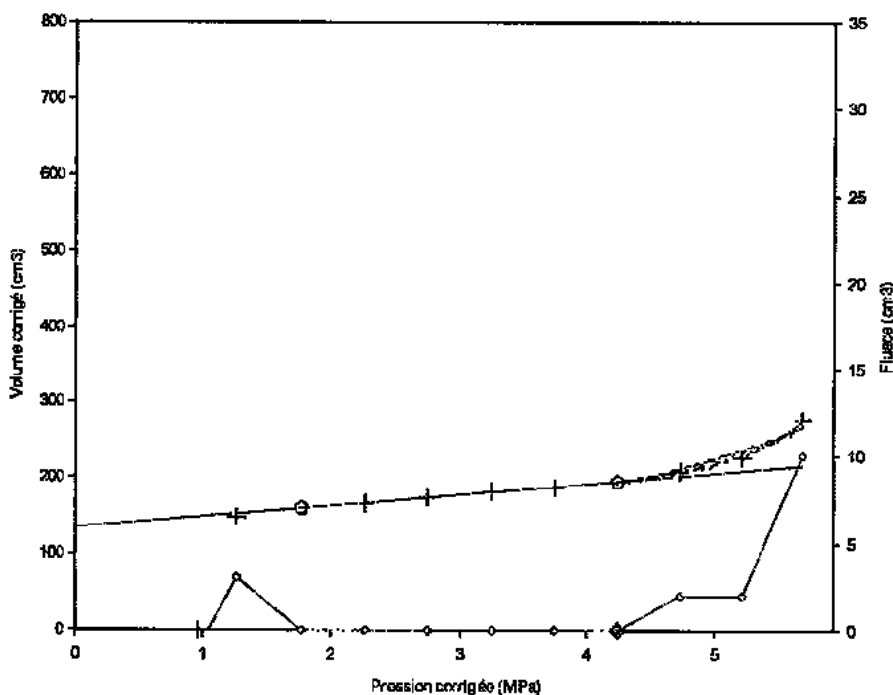
$P_l = 10.31$	$P_{max} = 5.70$
$P_l(i) = 10.31$	$P_f = 3.74$
$P_l(h) = 7.03$	$P_o = 0.87$
$P_l(P_f) = 5.61$	

Légende:

- : $P_l(i)$ - - - : $P_l(h)$
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P_f

Sondage: MPM2009-02

Profondeur : 99.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 0.96 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 137.1$

$P_l = 8.33$	$P_{max} = 5.69$
$P_l(i) = 8.33$	$P_f = 4.24$
$P_l(h) = 6.27$	$P_o = 0.87$
$P_l(P_f) = 6.36$	

Légende:

- : $P_l(i)$ - - - : $P_l(h)$
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

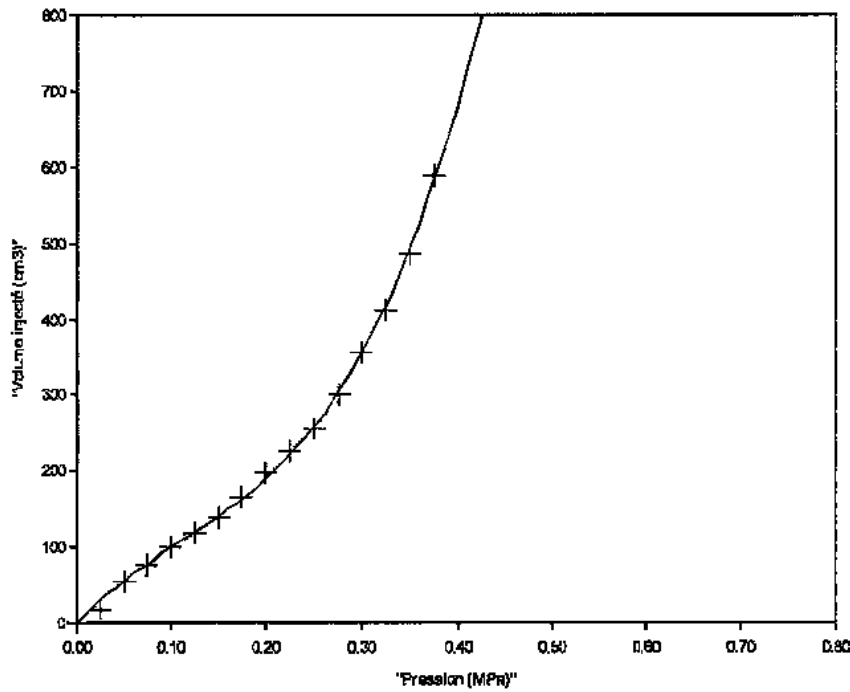
Affaire: SOIL MECHANICS - SIZEWELL C

Programme: W-Pressio
Version : 1.1

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Fichier : P6
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ETALONNAGE N° 1



Type sonde :
STANDARD

Gaine:
Toilée standard

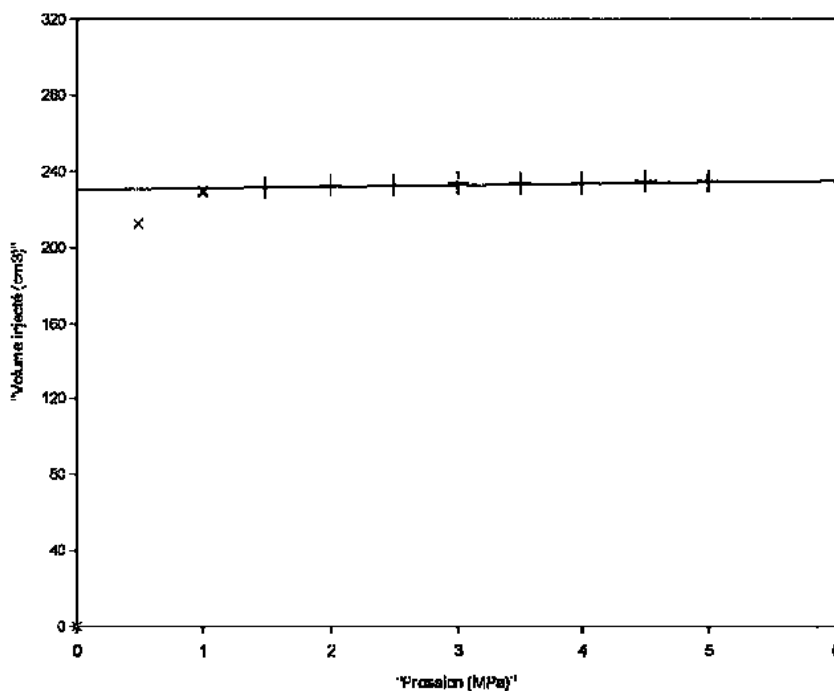
Vs - 535 cm³

Conforme à la norme
NFP 94-110-1

Légende:

. : point de mesure
x : point non pris en compte

CALIBRAGE N° 1



Type sonde :
STANDARD

Gaine:
Toilée standard

Vs - 535 cm³

Coef. de compressibilité:
 $a = 0.81 \text{ cm}^3/\text{MPa}$

Conforme à la norme
NFP 94-110-1

Légende:

. : point de mesure
x : point non pris en compte

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

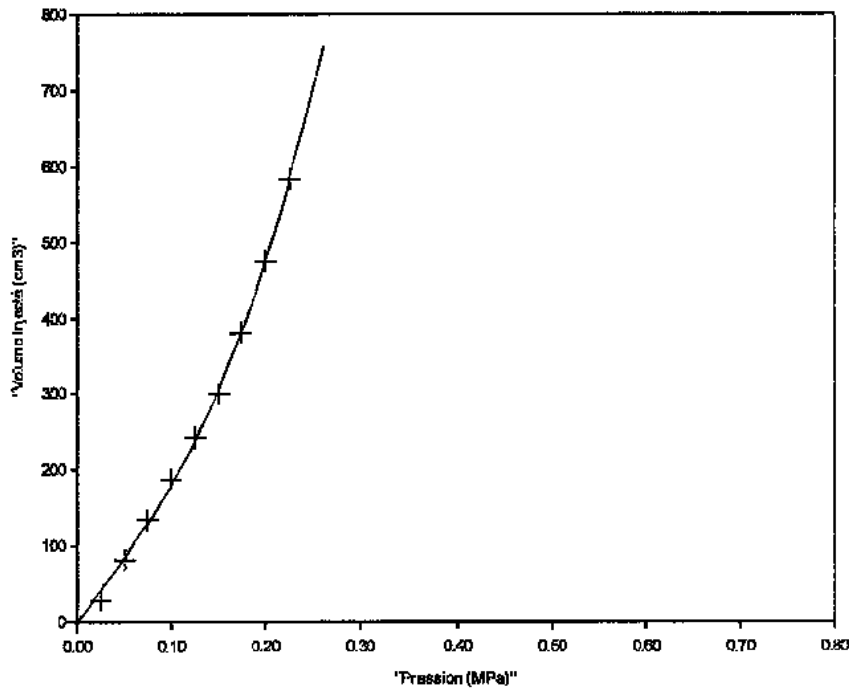
Affaire: SOLL MECHANICS - SIZEWELL C

Programme: W-Pressio
Version : 1.1

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ETALONNAGE N° 2



Type sonde :
STANDARD

Gaine:
Toilée standard

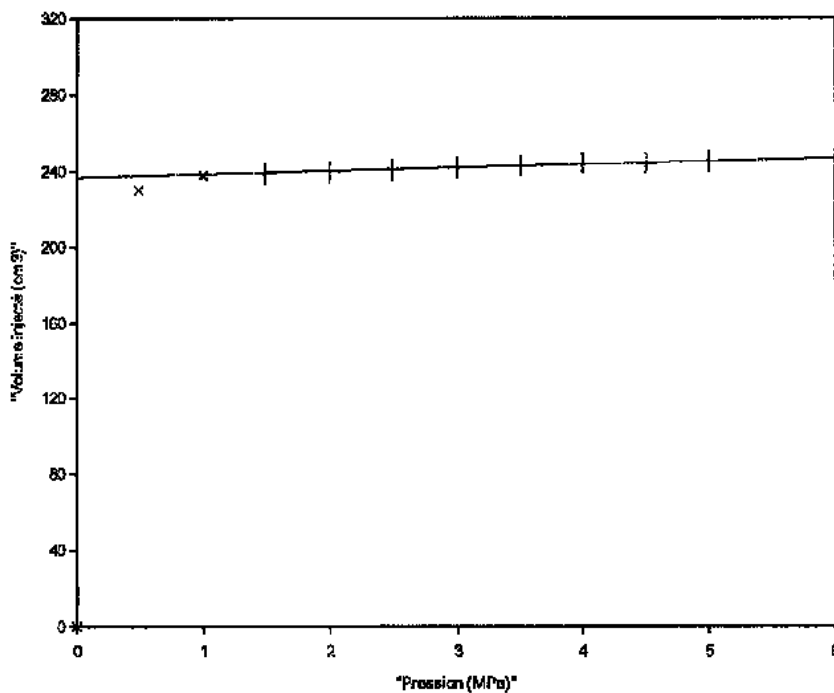
Vs = 535 cm³

Conforme à la norme
NFP 94-110-1

Légende:

- : point de mesure
x : point non pris en compte

CALIBRAGE N° 2



Type sonde :
STANDARD

Gaine:
Toilée standard

Vs = 535 cm³

Coef. de compressibilité:
a = 1.71 cm³/MPa

Conforme à la norme
NFP 94-110-1

Légende:

- : point de mesure
x : point non pris en compte

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

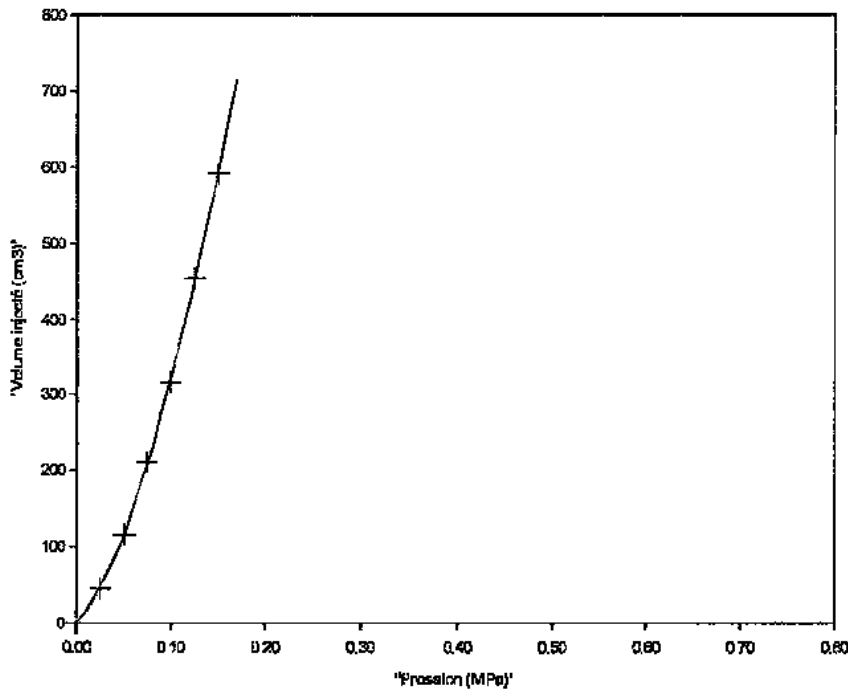
Affaire: SOIL MECHANICS - SIZEWELL C

Programme: W-Pressio
Version : 1.1

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Fichier : P6
Dernière mise à jour:
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ETALONNAGE N° 3



Type sonde :
STANDARD

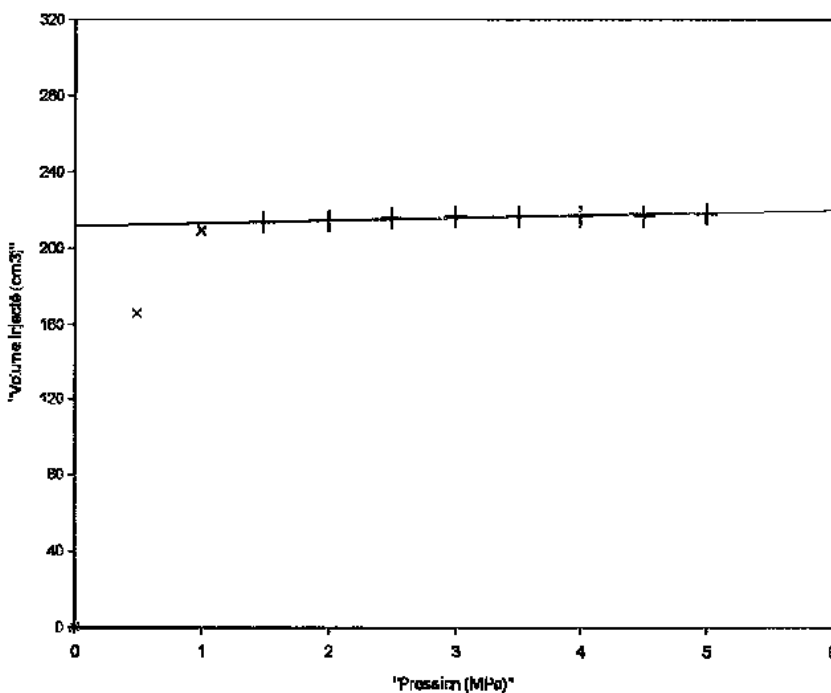
Gaine:
Toilée standard

Vs = 535 cm³

Conforme à la norme
NFP 94-110-1

Légende:
• : point de mesure
x : point non pris en compte

CALIBRAGE N° 3



Type sonde :
STANDARD

Gaine:
Toilée standard

Vs = 535 cm³

Coef. de compressibilité:
a = 1.36 cm³/MPa

Conforme à la norme
NFP 94-110-1

Légende:
• : point de mesure
x : point non pris en compte

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

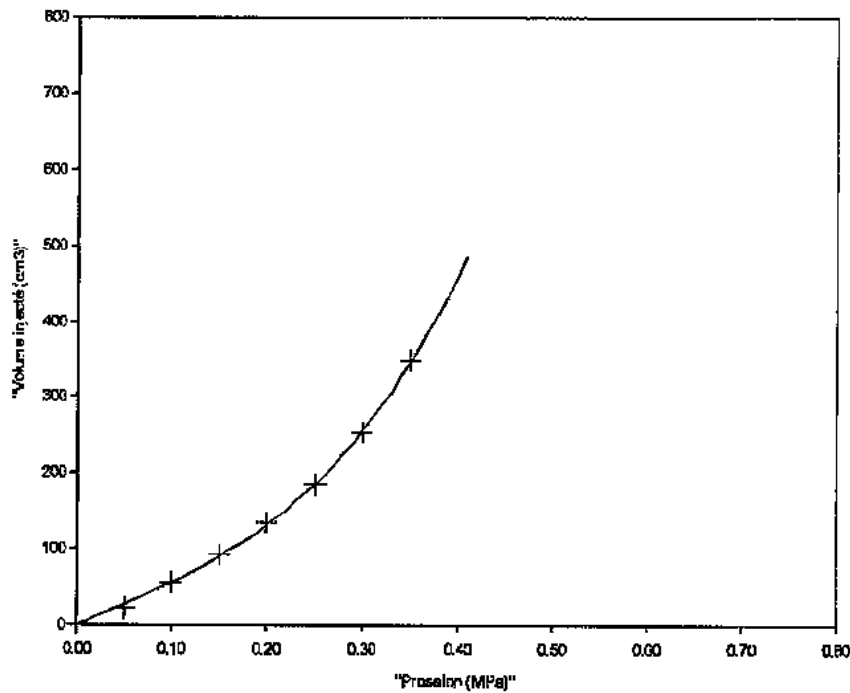
Affaire: SOIL MECHANICS - SIZWELL C

Programme: W-Pressio
Version : 1.1

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BP 765
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Fichier : P6
Dernière mise à jour:
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ETALONNAGE N° 4



Type sonde :
TUBE FENDU

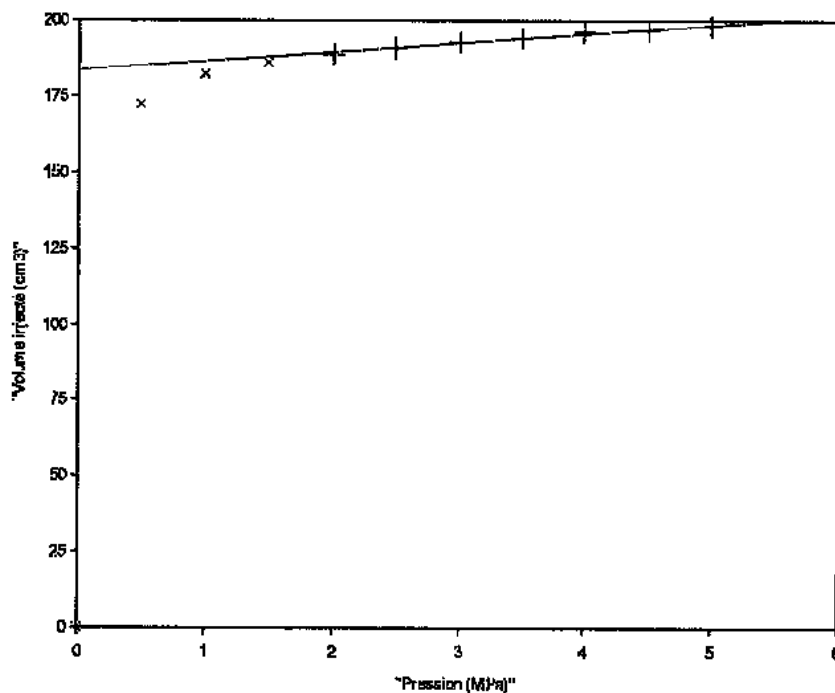
Gaine:
Métallique lamelles

Vs - 560 cm3

Conforme à la norme
NFP 94-110-1

Légende:
+ : point de mesure
x : point non pris en compte

CALIBRAGE N° 4



Type sonde :
TUBE FENDU

Gaine:
Métallique lamelles

Vs - 560 cm3

Coef. de compressibilité:
a = 3.00 cm3/MPa

Conforme à la norme
NFP 94-110-1

Légende:
+ : point de mesure
x : point non pris en compte

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

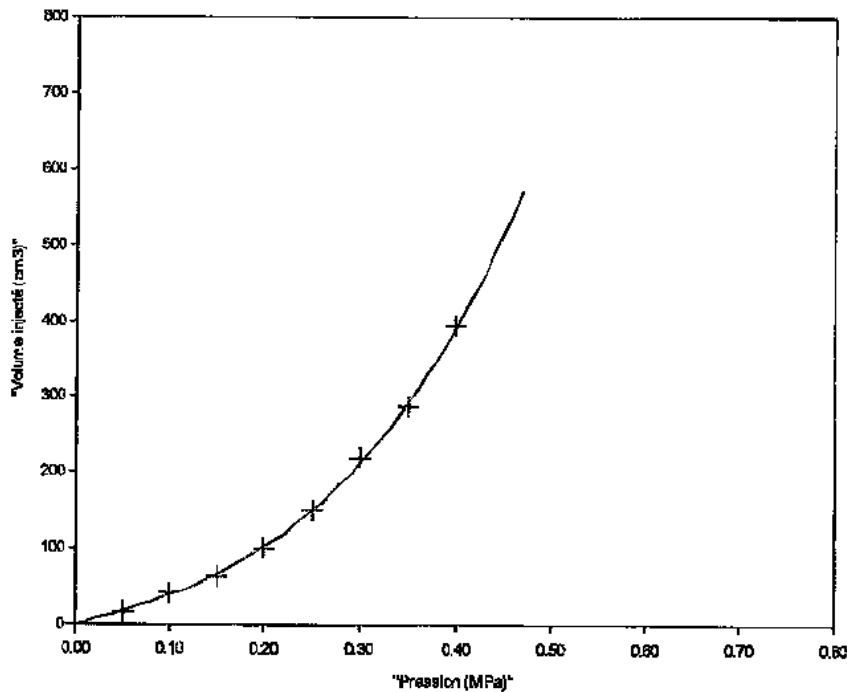
Affaire: SOIL MECHANICS - SIZEWELL, C

Programme: W-Pressio
Version : 1.1

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84140 MONTFAVET

Fichier : P6
Dernière mise à jour:
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ETALONNAGE N° 5



Type sonde :
TUBE FENDU

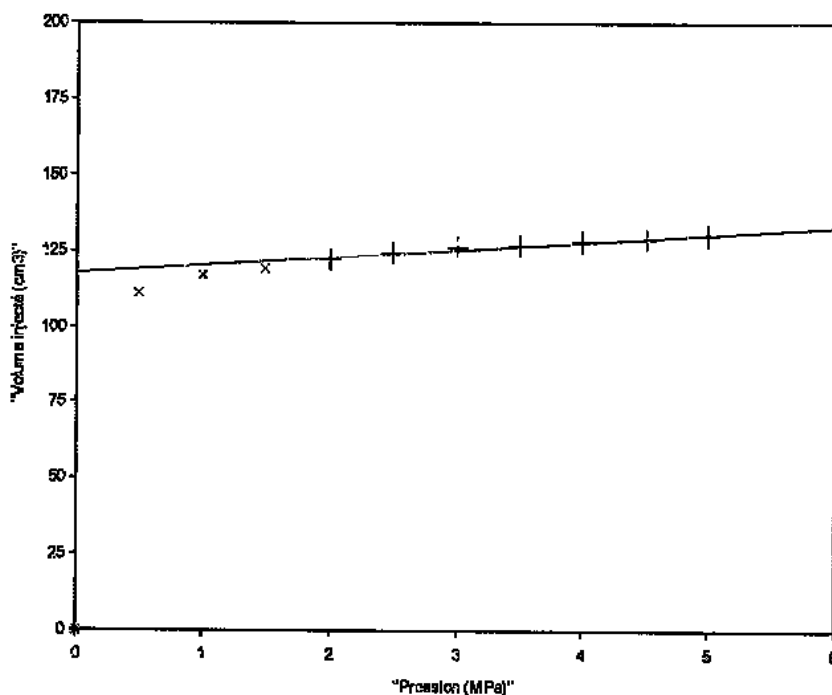
Gaine:
Métallique lamelles

Vs = 560 cm³

Conforme à la norme
NFP 94-110-1

Légende:
· : point de mesure
* : point non pris en compte

CALIBRAGE N° 5



Type sonde :
TUBE FENDU

Gaine:
Métallique lamelles

Vs = 560 cm³

Coef. de compressibilité:
a = 2.57 cm³/MPa

Conforme à la norme
NFP 94-110-1

Légende:
· : point de mesure
* : point non pris en compte

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

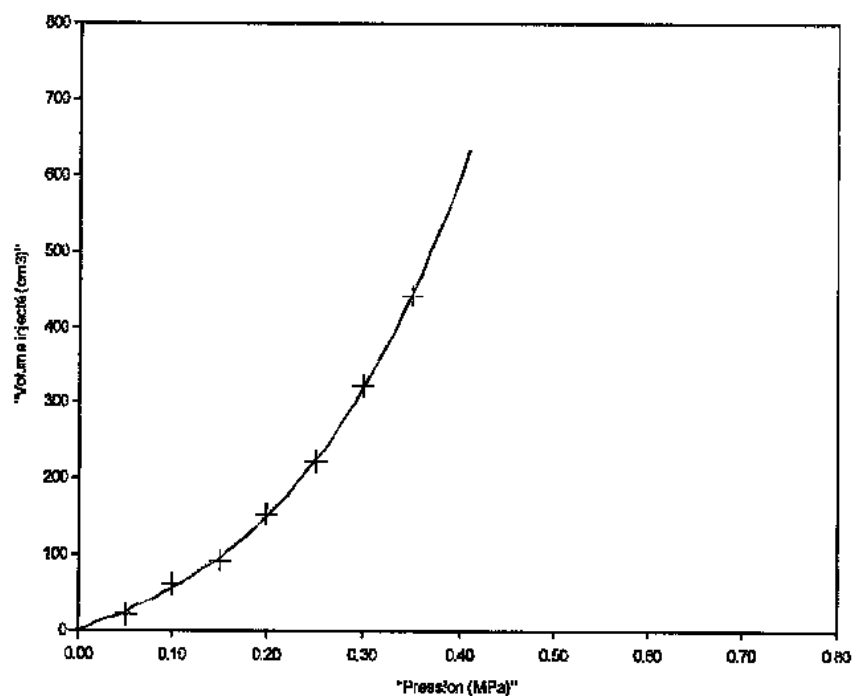
Affaire: SOIL MECHANICS - SIZEWELL C

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Programme: W-Pressio
Version : 1.1

Fichier : P6
Dernière mise à jour:
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ETALONNAGE N° 6



Type sonde :
TUBE FENDU

Gaine:
Métallique lamelles

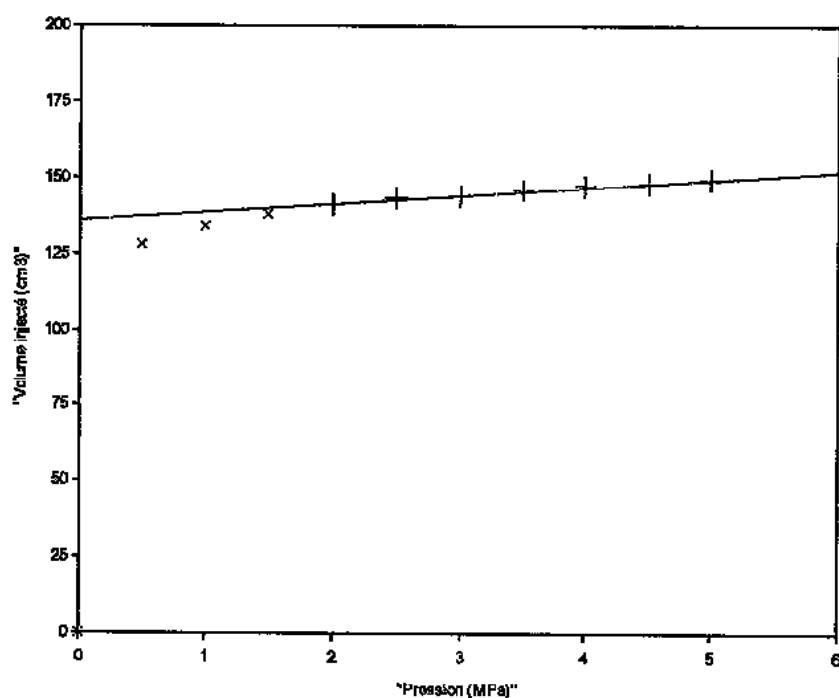
Vs = 560 cm³

Conforme à la norme
NFP 94-110-1

Légende:

• : point de mesure
x : point non pris en compte

CALIBRAGE N° 6



Type sonde :
TUBE FENDU

Gaine:
Métallique lamelles

Vs = 560 cm³

Coef. de compressibilité:
a = 2.64 cm³/MPa

Conforme à la norme
NFP 94-110-1

Légende:

• : point de mesure
x : point non pris en compte

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

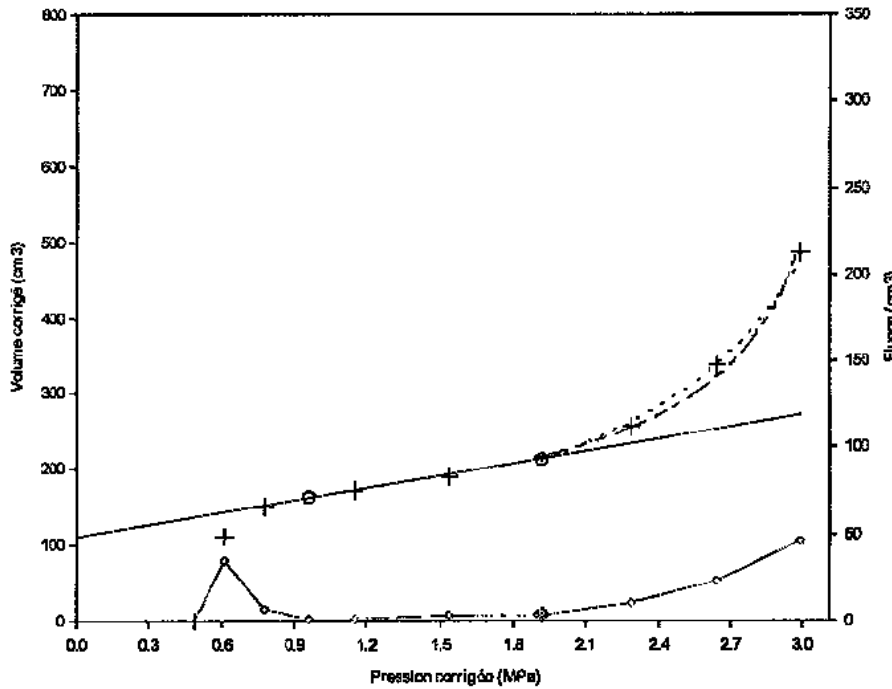
Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-Pressio
Version : 1.1

FONDASOL
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Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: ~~MPM2009-10~~



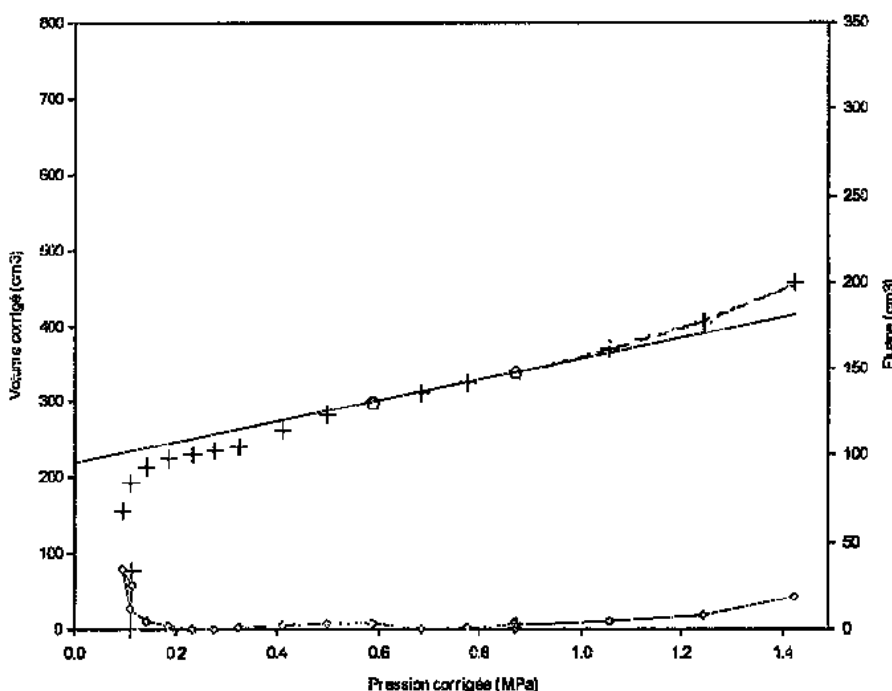
Profondeur : 48.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_M = 36.0
Pl = 3.38 | Pmax = 2.99
Pl(i) = 3.38 | Pf = 1.92
Pl(h) = 3.15 | Po = 0.65
Pl(pf) = 2.87

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
o : fluage ◆ : Pf

Sondage: MPM 2009-03



Profondeur : 10.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_M = 16.5
Pl = 2.41 | Pmax = 1.43
Pl(i) = 2.41 | Pf = 0.87
Pl(h) = 2.10 | Po = 0.12
Pl(pf) = 1.31

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
o : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

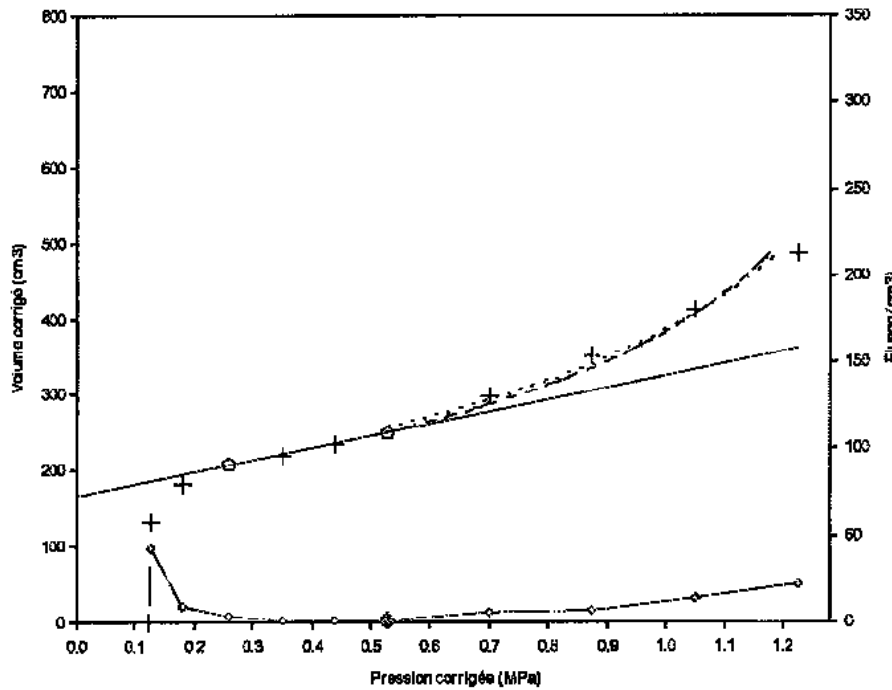
Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-Pressio
Version : 1.1

FONDASOL
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Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM 2009-03



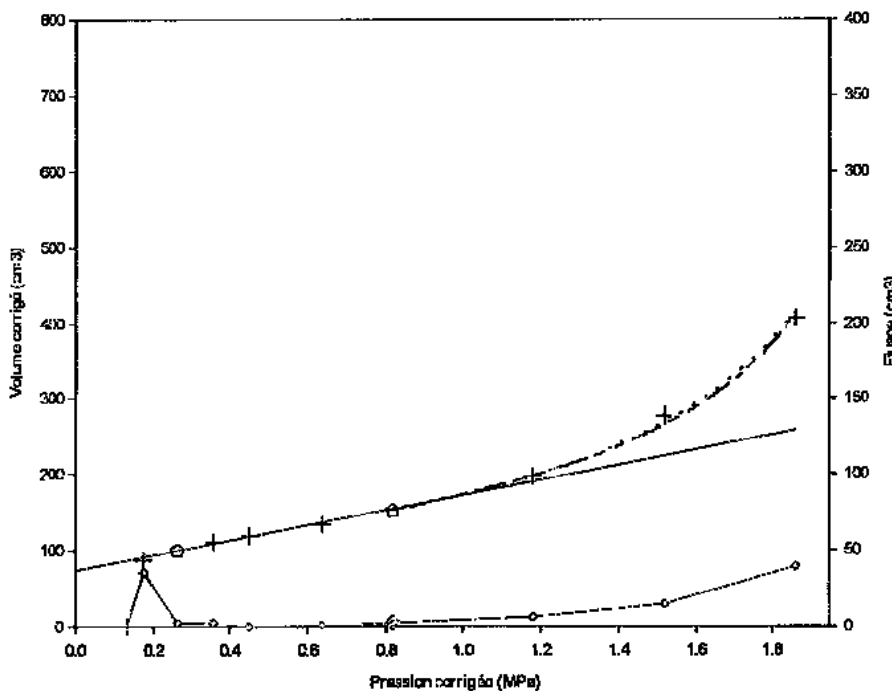
Profondeur : 11.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 12.8
P1 = 1.56 | Pmax = 1.23
P1(i) = 1.56 | Pf = 0.53
P1(h) = 1.43 | Po = 0.14
P1(pf) = 0.79

Légende:
--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM 2009-03



Profondeur : 12.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.9 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 17.8
P1 = 2.15 | Pmax = 1.86
P1(i) = 2.15 | Pf = 0.82
P1(h) = 2.06 | Po = 0.15
P1(pf) = 1.22

Légende:
--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

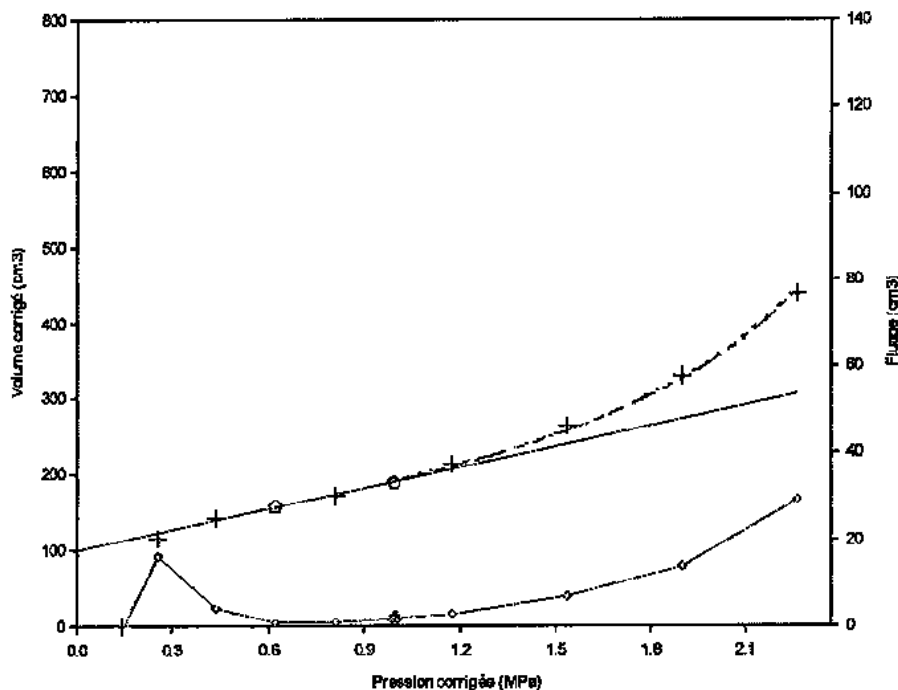
Affaire: SIZEWELL B - GROUND INVESTIGATION

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM 2009-03



Profondeur : 13.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
No testiné:
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{KPa}$

(valeurs en MPa)

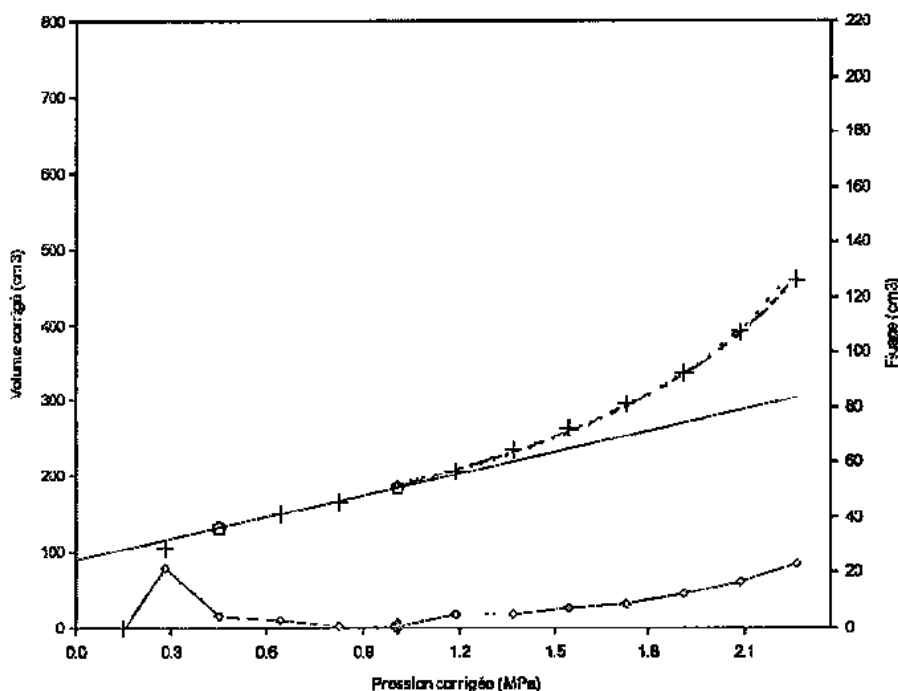
$E_m = 20.7$

$P_1 = 2.72$	$P_{max} = 2.26$
$P_1(i) = 2.72$	$P_f = 0.99$
$P_1(h) = 2.64$	$P_o = 0.16$
$P_1(p_f) = 1.49$	

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

Sondage: MPM 2009-03



Profondeur : 14.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
No (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_m = 19.4$

$P_1 = 2.60$	$P_{max} = 2.26$
$P_1(i) = 2.60$	$P_f = 1.01$
$P_1(h) = 2.58$	$P_o = 0.18$
$P_1(p_f) = 1.51$	

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

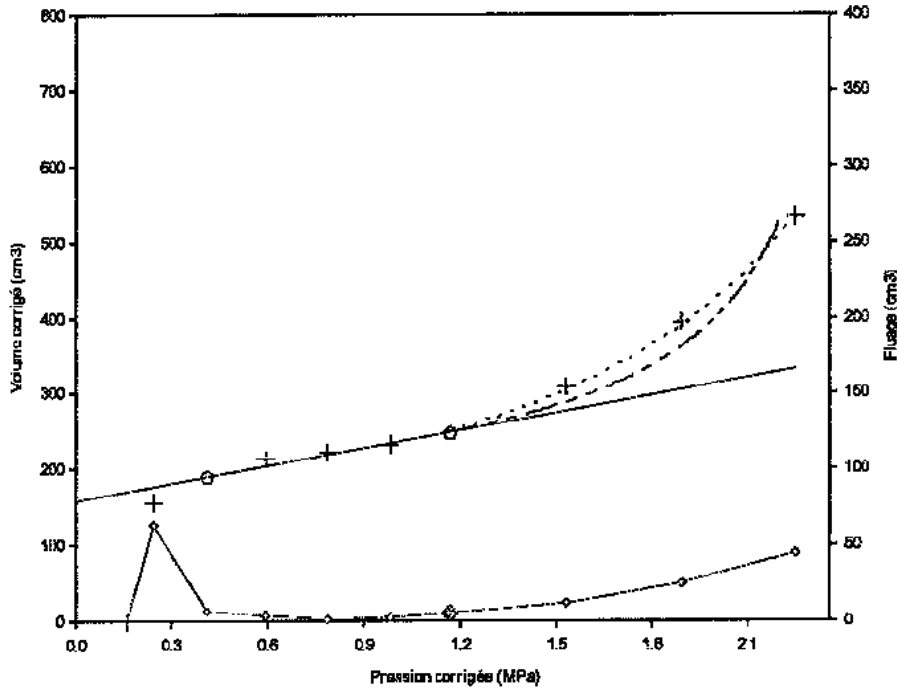
Affaire: SIZEWELL B - GROUND INVESTIGATION

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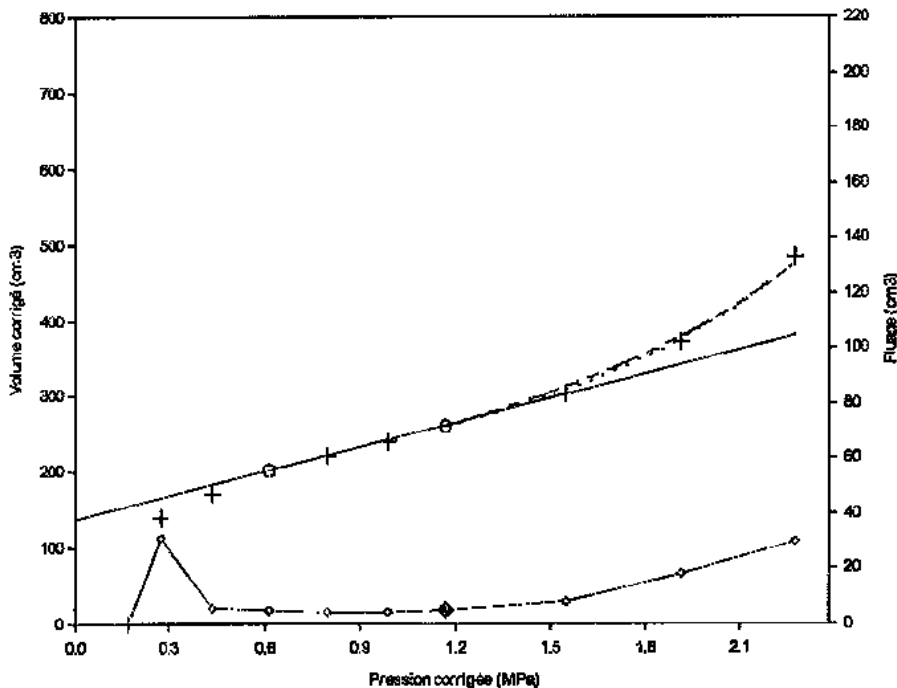
Profondeur : 15.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 26.0
Pl = 2.67 | Pmax = 2.25
Pl(i) = 2.67 | Pf = 1.17
Pl(h) = 2.37 | Po = 0.19
Pl(p_t) = 1.75

Légende:
- - - : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM 2009-03



Profondeur : 16.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 19.1
Pl = 2.93 | Pmax = 2.28
Pl(i) = 2.93 | Pf = 1.17
Pl(h) = 2.88 | Po = 0.21
Pl(p_t) = 1.75

Légende:
- - - : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

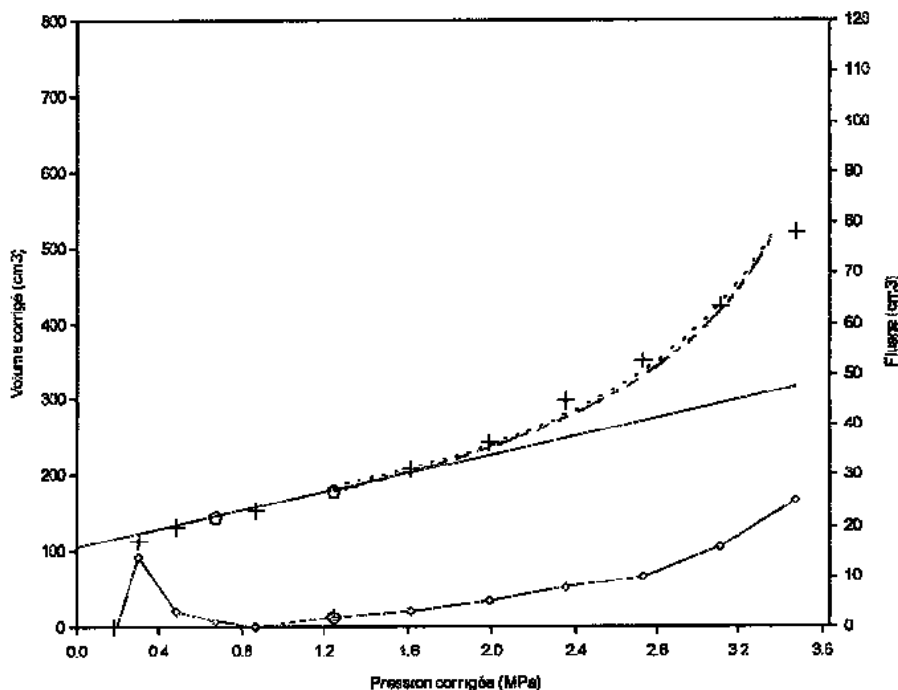
Affaire: SIZEWELL B - GROUND INVESTIGATION

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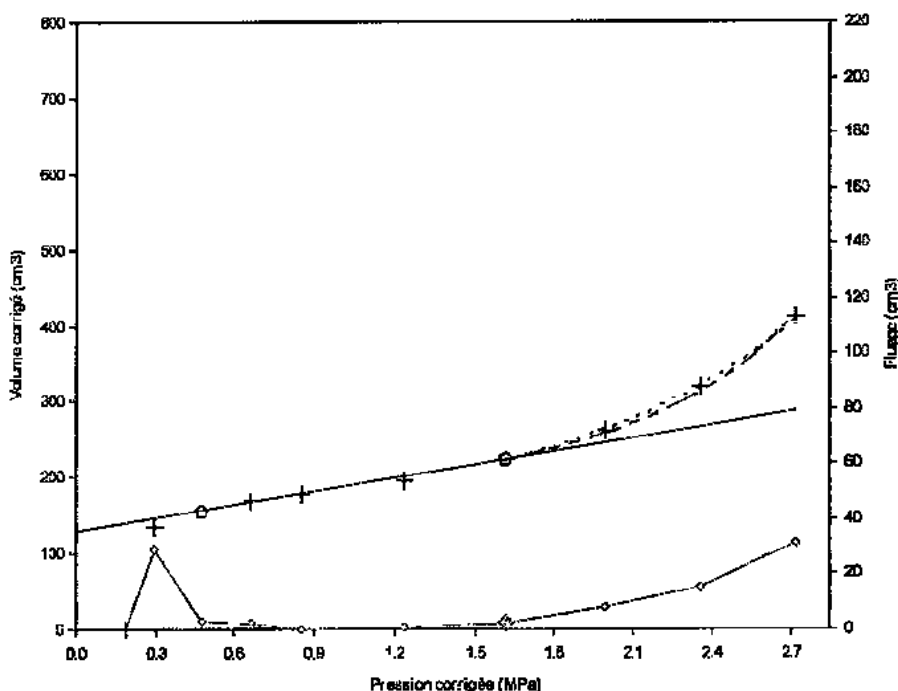
Profondeur : 17.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 30.5
P_l = 3.80 | P_{max} = 3.48
P_l(i) = 3.80 | P_f = 1.24
P_l(h) = 3.69 | P_o = 0.22
P_l(PF) = 1.86

Légende:
- - - : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : PF

Sondage: MPM 2009-03



Profondeur : 18.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 32.9
P_l = 3.42 | P_{max} = 2.72
P_l(i) = 3.42 | P_f = 1.61
P_l(h) = 3.08 | P_o = 0.23
P_l(PF) = 2.42

Légende:
- - - : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : PF

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

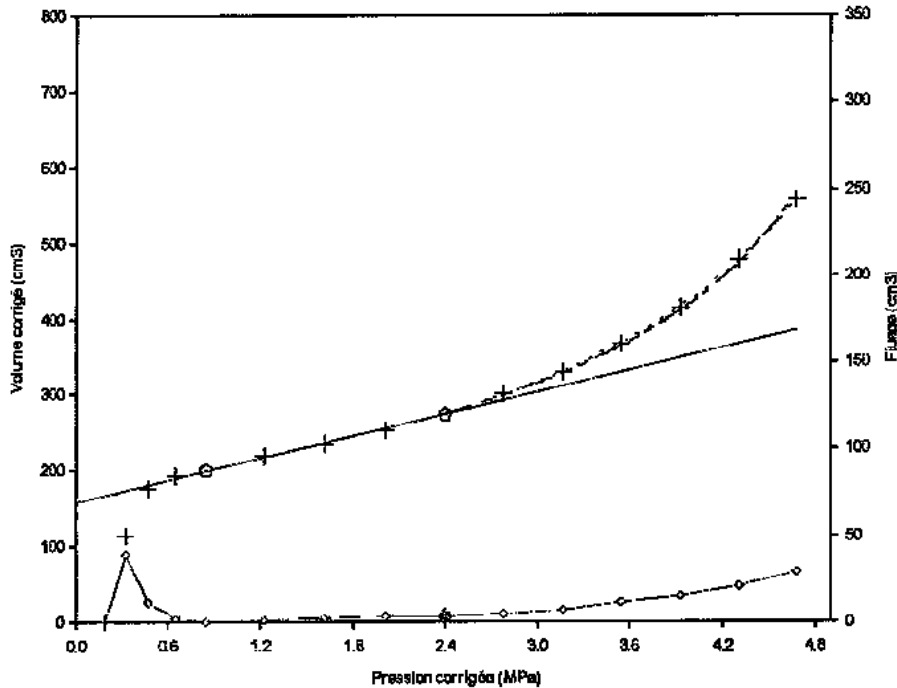
Affaire: SIZEWELL B - GROUND INVESTIGATION

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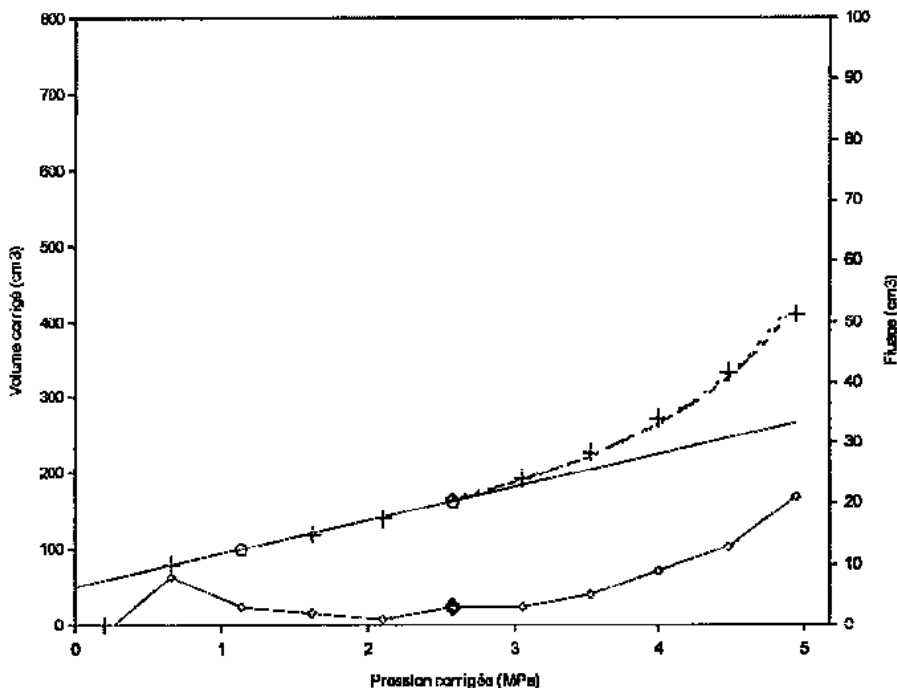
Profondeur : 19.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_m = 42.5
P_l = 5.63 | P_{max} = 4.68
P_l(i) = 5.63 | P_f = 2.39
P_l(h) = 5.29 | P_o = 0.25
P_l(pf) = 3.59

Légende:
- - - : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : pf

Sondage: MPM 2009-03



Profondeur : 20.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_m = 40.7
P_l = 5.55 | P_{max} = 4.94
P_l(i) = 5.55 | P_f = 2.58
P_l(h) = 5.48 | P_o = 0.26
P_l(pf) = 3.88

Légende:
- - - : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : pf

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

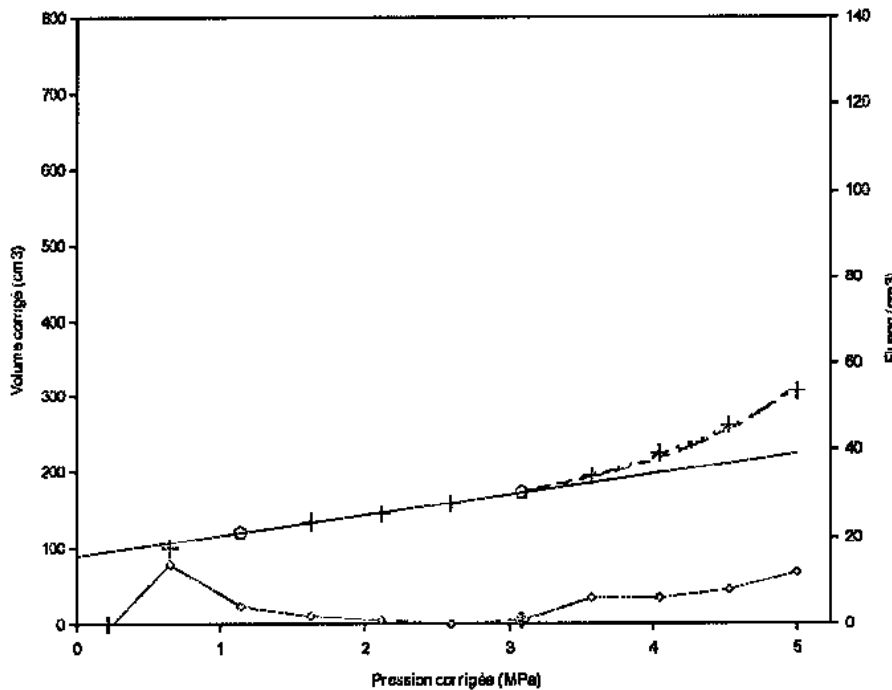
Affaire: SIZEWELL B - GROUND INVESTIGATION

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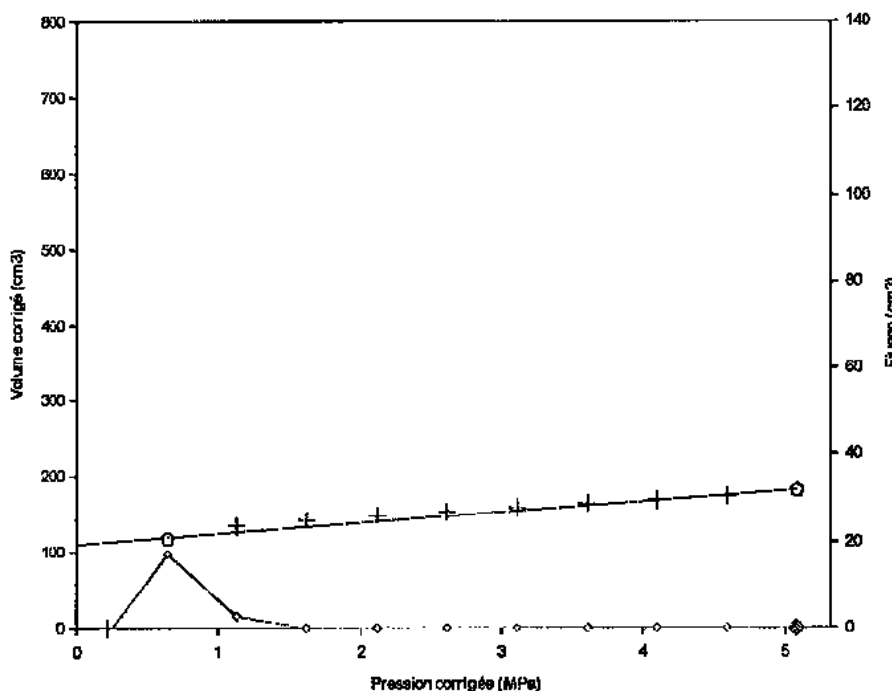
Profondeur : 21.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
 X_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 67.6$
Pl = 6.55 | Pmax = 4.99
Pl(i) = 6.55 | Pf = 3.08
Pl(h) = 5.80 | Po = 0.27
Pl(pf) = 4.63

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
◊ : fluage ♦ : Pf

Sondage: MPM 2009-03



Profondeur : 22.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
 X_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 129.9$
Pl > 5.09 | Pmax = 5.09
Pf > 5.09
Po = 0.29
Pl(pf) > 7.63

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
◊ : fluage ♦ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

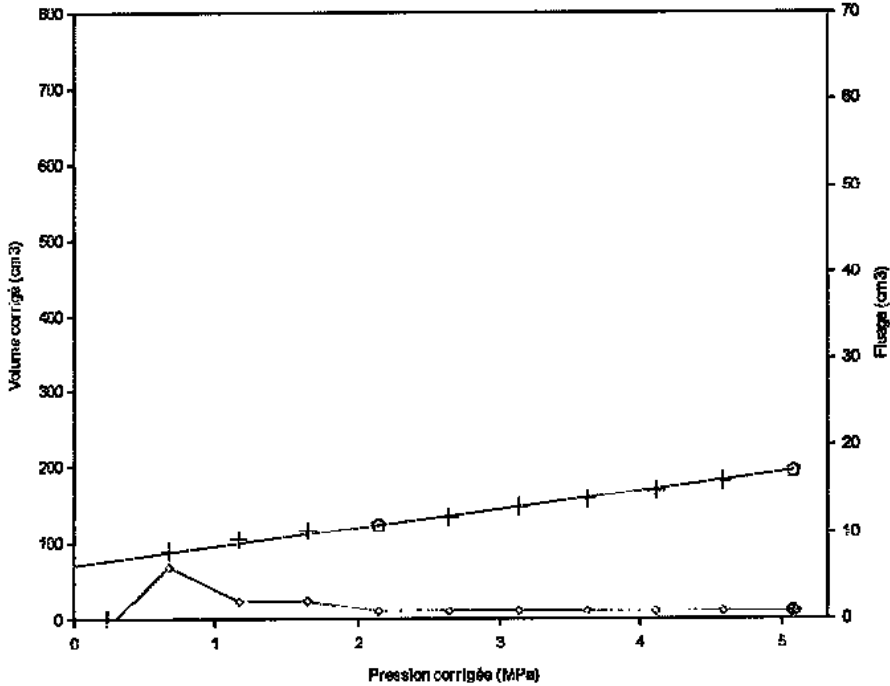
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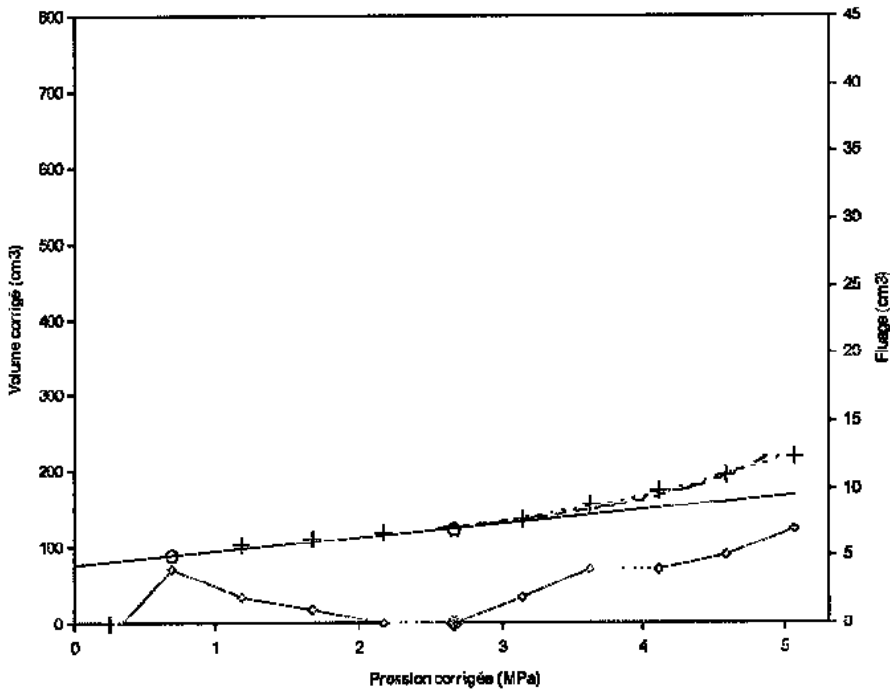
Profondeur : 23.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 75.8$
Pl > 5.08 | Pmax = 5.08
Pf > 5.08
Po = 0.30
Pl (pf) > 7.63

Légende:
--- : Pl(i) - - - : V1(h)
+ : point de mesure
x : point non pris en compte
□ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM 2009-03



Profondeur : 24.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 92.3$
Pl = 7.27 | Pmax = 5.07
Pl (i) = 7.27 | Pf = 2.66
Pl (h) = 5.78 | Po = 0.32
Pl (pf) = 3.99

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
□ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

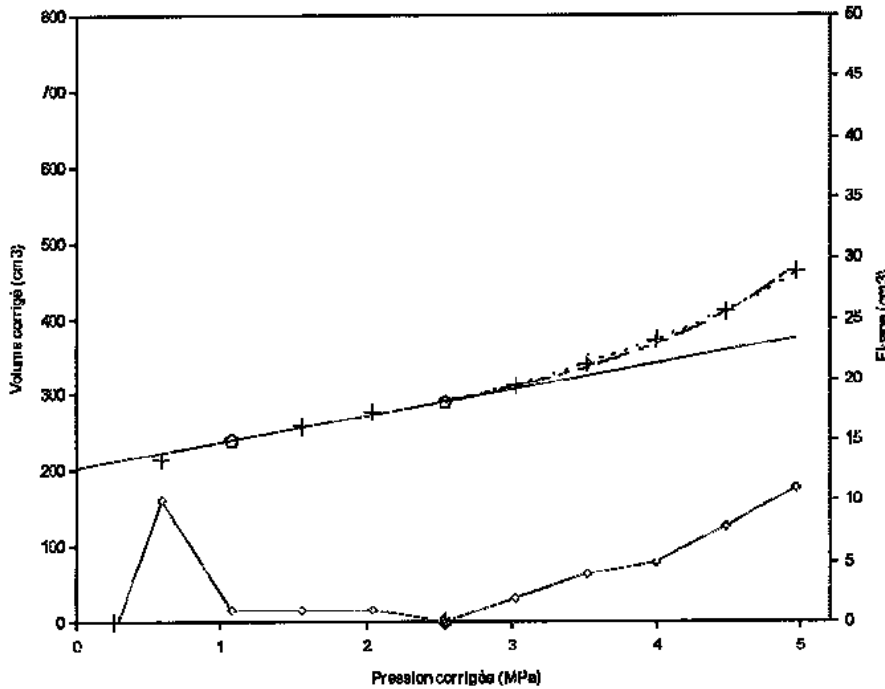
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Profondeur : 25.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)

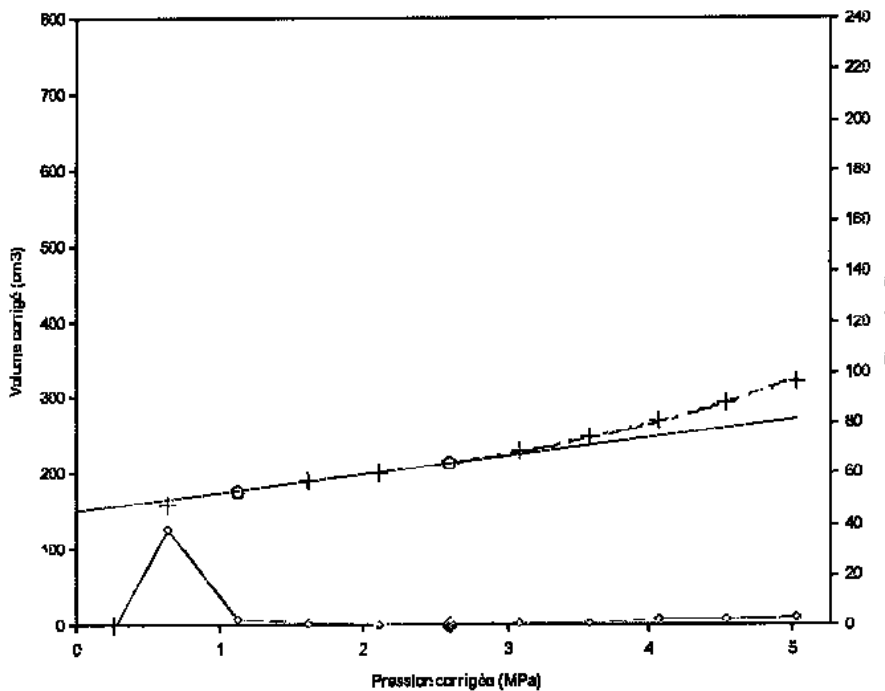
E_M = 61.6

Pl = 7.38	Pmax = 4.97
Pl(i) = 7.38	Pf = 2.54
Pl(h) = 6.10	Po = 0.33
Pl(pf) = 3.81	

Légende:

- : Pl(i)
- - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- ◆ : Pf

Sondage: MPM 2009-03



Profondeur : 26.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)

E_M = 79.7

Pl = 8.08	Pmax = 5.03
Pl(i) = 8.08	Pf = 2.60
Pl(h) = 6.89	Po = 0.34
Pl(pf) = 3.90	

Légende:

- : Pl(i)
- - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- ◆ : Pf

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

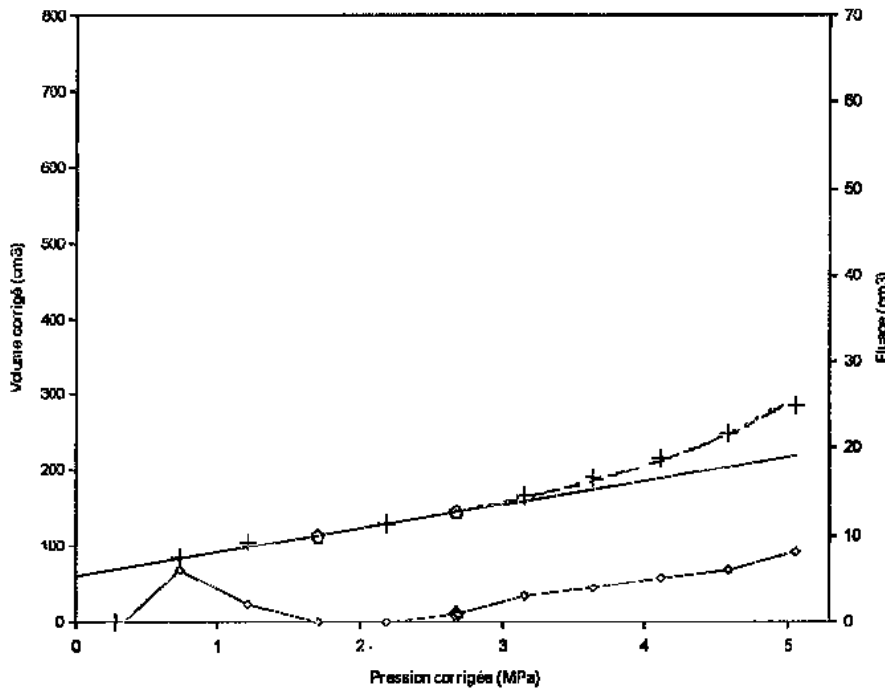
Affaire: SIZEWELL B - GROUND INVESTIGATION

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Profondeur : 27.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)

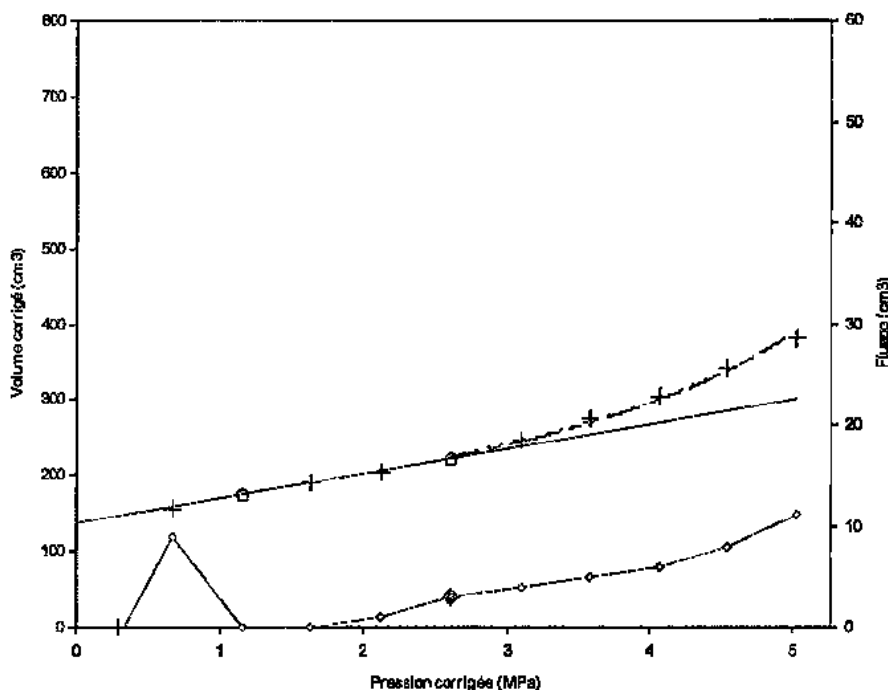
E_M = 56.8

P ₁ = 6.52	P _{max} = 5.06
P ₁ (i) = 6.52	P _F = 2.67
P ₁ (h) = 6.26	P ₀ = 0.36
P ₁ (P _F) = 4.01	

Légende:

- : P₁(i) - - - : P₁(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- ◊ : fluage ◆ : P_F

Sondage: MPM 2009-03



Profondeur : 28.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)

E_M = 59.6

P ₁ = 6.97	P _{max} = 5.03
P ₁ (i) = 6.97	P _F = 2.61
P ₁ (h) = 6.36	P ₀ = 0.37
P ₁ (P _F) = 3.92	

Légende:

- : P₁(i) - - - : P₁(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- ◊ : fluage ◆ : P_F

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

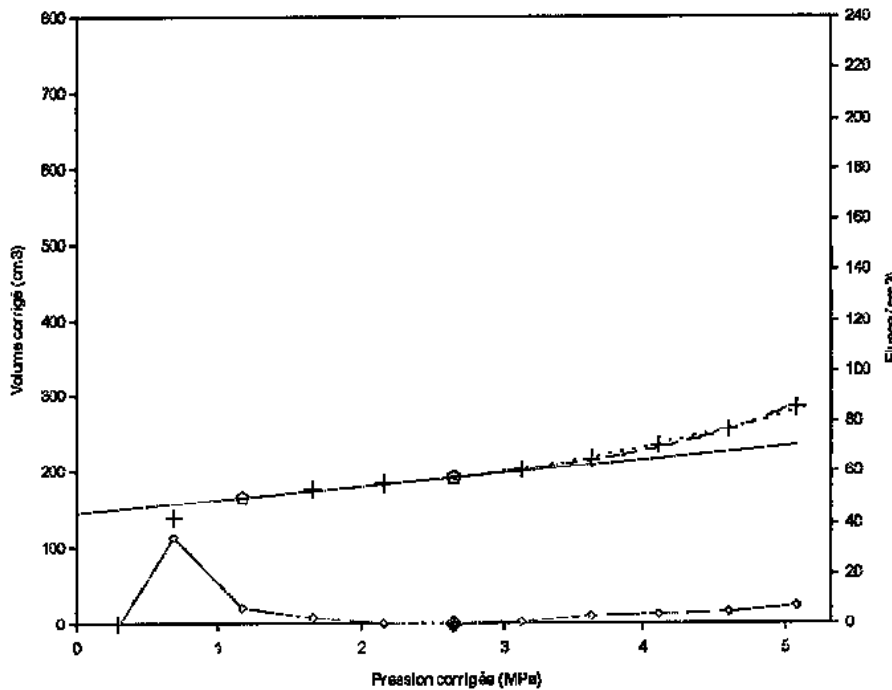
Affaire: SIZEWELL B - GROUND INVESTIGATION

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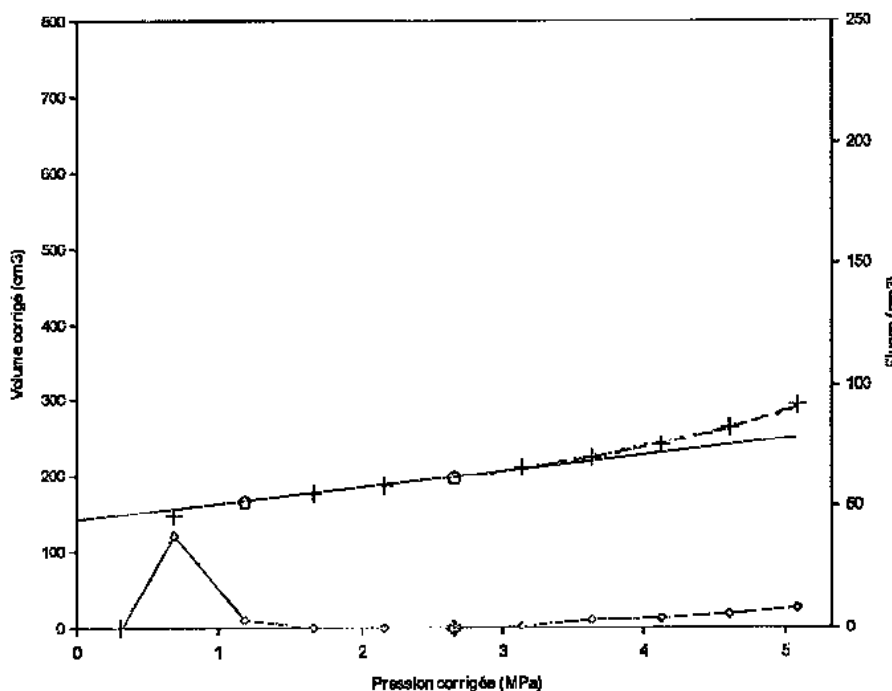
Profondeur : 29.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_M = 104.5
Pl = 8.57 | Pmax = 5.08
Pl (i) = 8.57 | Pf = 2.65
Pl (h) = 6.34 | Po = 0.38
Pl (Pf) = 3.97

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
△ : extrémité de la phase linéaire
◊ : fluage ◆ : P

Sondage: MPM 2009-03



Profondeur : 30.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_M = 88.4
Pl = 8.72 | Pmax = 5.09
Pl (i) = 8.72 | Pf = 2.65
Pl (h) = 7.10 | Po = 0.40
Pl (Pf) = 3.98

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
△ : extrémité de la phase linéaire
◊ : fluage ◆ : P

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

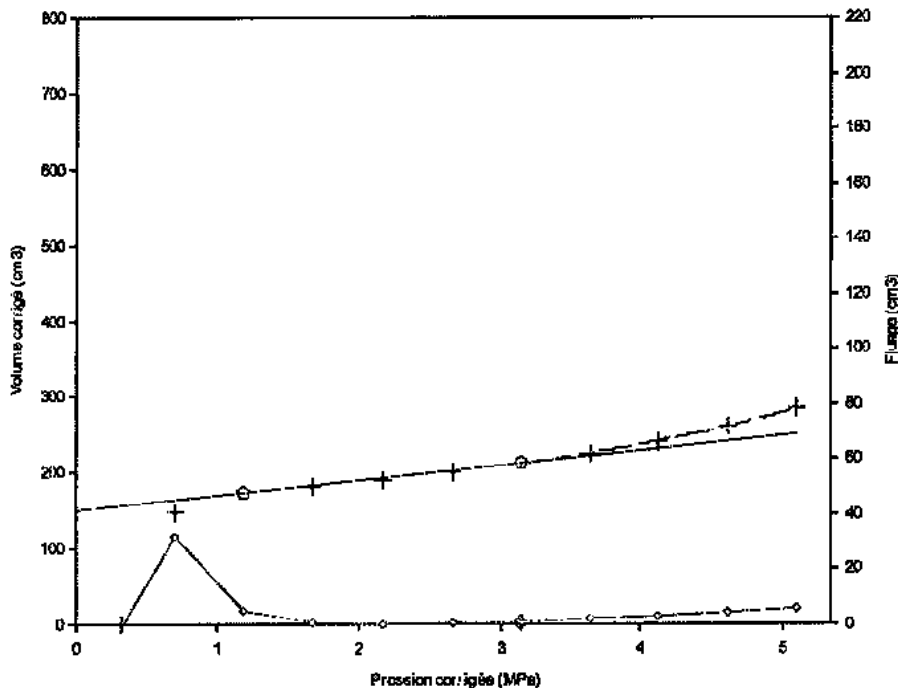
Affaire: SIZEWELL B - GROUND INVESTIGATION

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Profondeur : 31.00 m

Type de forage:
Désagrégateur rotation

Nappe: 2.85 m

K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (est. Lité)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2

Sonde: STANDARD

Gaine: Toilée renforcée

a = 0.81 cm³/MPa

(valeurs en MPa)

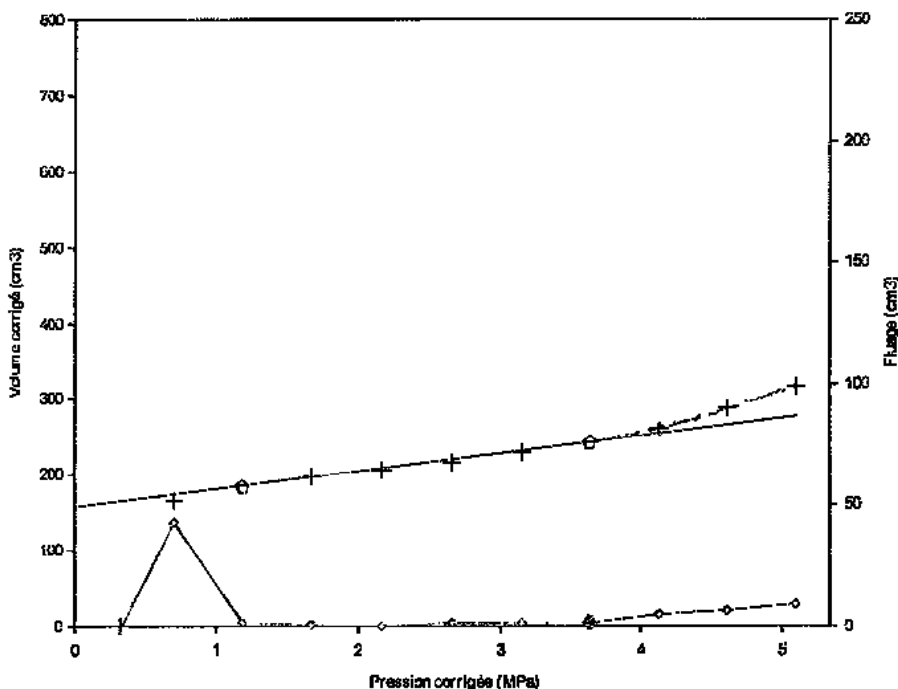
E_M = 96.6

P _l = 9.01	P _{max} = 5.10
P _l (i) = 9.01	P _f = 3.15
P _l (h) = 7.45	P _o = 0.41
P _l (pf) = 4.72	

Légende:

--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

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Profondeur : 32.00 m

Type de forage:
Désagrégateur rotation

Nappe: 2.85 m

K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (est. Lité)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2

Sonde: STANDARD

Gaine: Toilée renforcée

a = 0.81 cm³/MPa

(valeurs en MPa)

E_M = 85.8

P _l = 8.19	P _{max} = 5.09
P _l (i) = 8.19	P _f = 3.64
P _l (h) = 6.58	P _o = 0.43
P _l (pf) = 5.46	

Légende:

--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

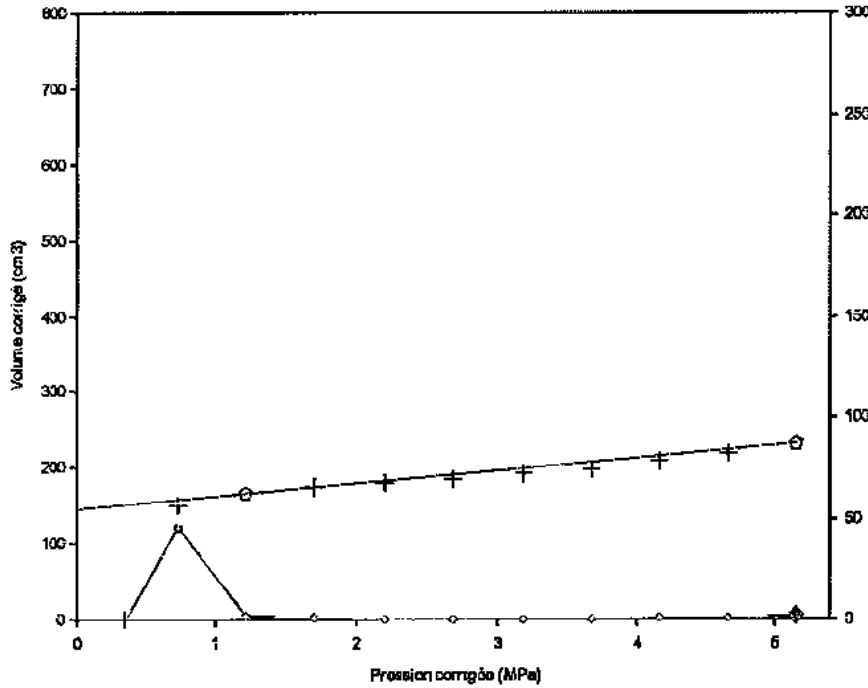
Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM 2009-03



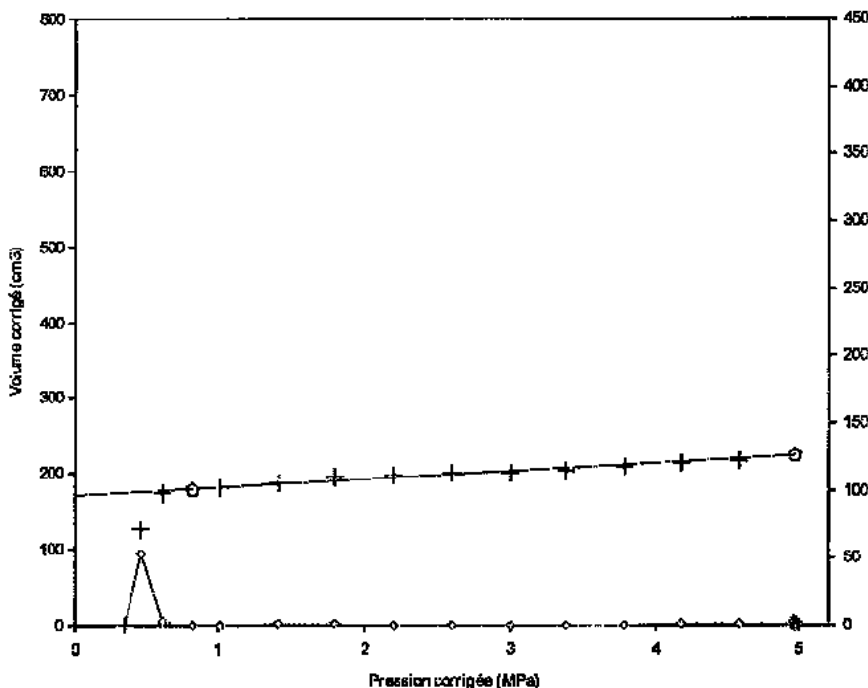
Profondeur : 33.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
Ro (estimé):
Masse vol. Sol (t/m³): 1.6 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 117.1$
Pl > 5.15 | Pmax = 5.15
Pf > 5.15
Po = 0.44
Pl (Pf) > 7.73

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM 2009-03



Profondeur : 34.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
Ro (estimé):
Masse vol. Sol (t/m³): 1.6 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 182.9$
Pl > 4.97 | Pmax = 4.97
Pf > 4.97
Po = 0.45
Pl (Pf) > 7.45

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

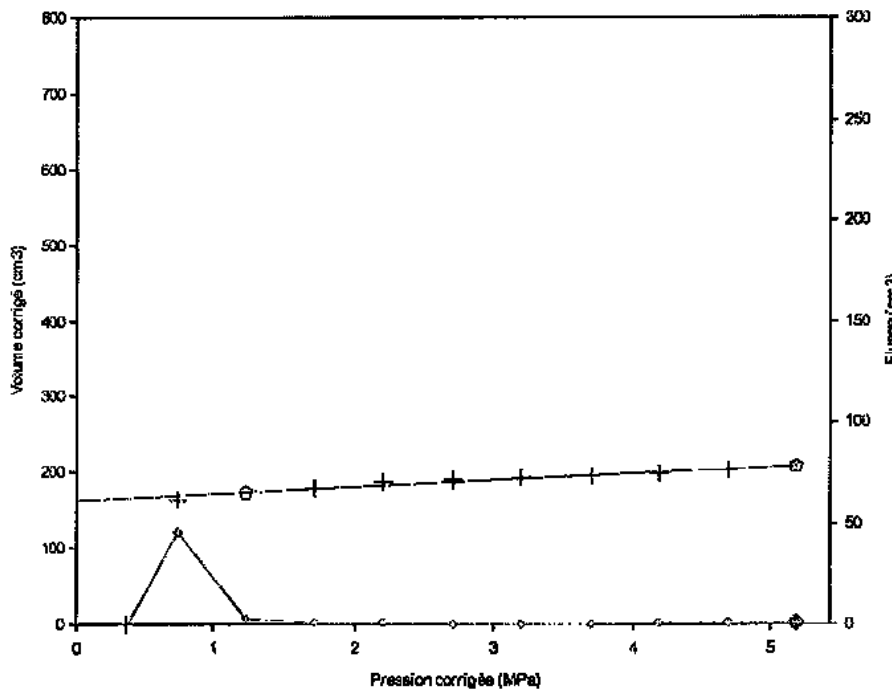
Affaire: SIZEWELL B - GROUND INVESTIGATION

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Sondage: MPM 2009-03



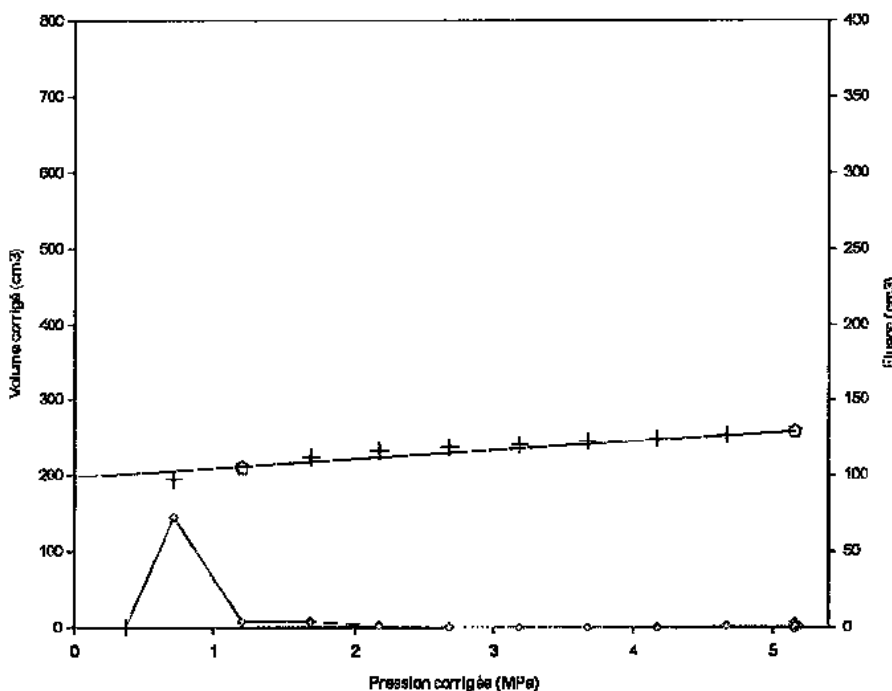
Profondeur : 35.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 227.0
P_l > 5.19 | P_{max} = 5.19
P_f > 5.19
P_o = 0.47
P_l (P_f) > 7.79

Légende:
--- : P_l (l) - - - : P_l (h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

Sondage: MPM 2009-03



Profondeur : 36.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 170.3
P_l > 5.17 | P_{max} = 5.17
P_f > 5.17
P_o = 0.48
P_l (P_f) > 7.75

Légende:
--- : P_l (l) - - - : P_l (h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

AFFAIRE N°: ML.100119

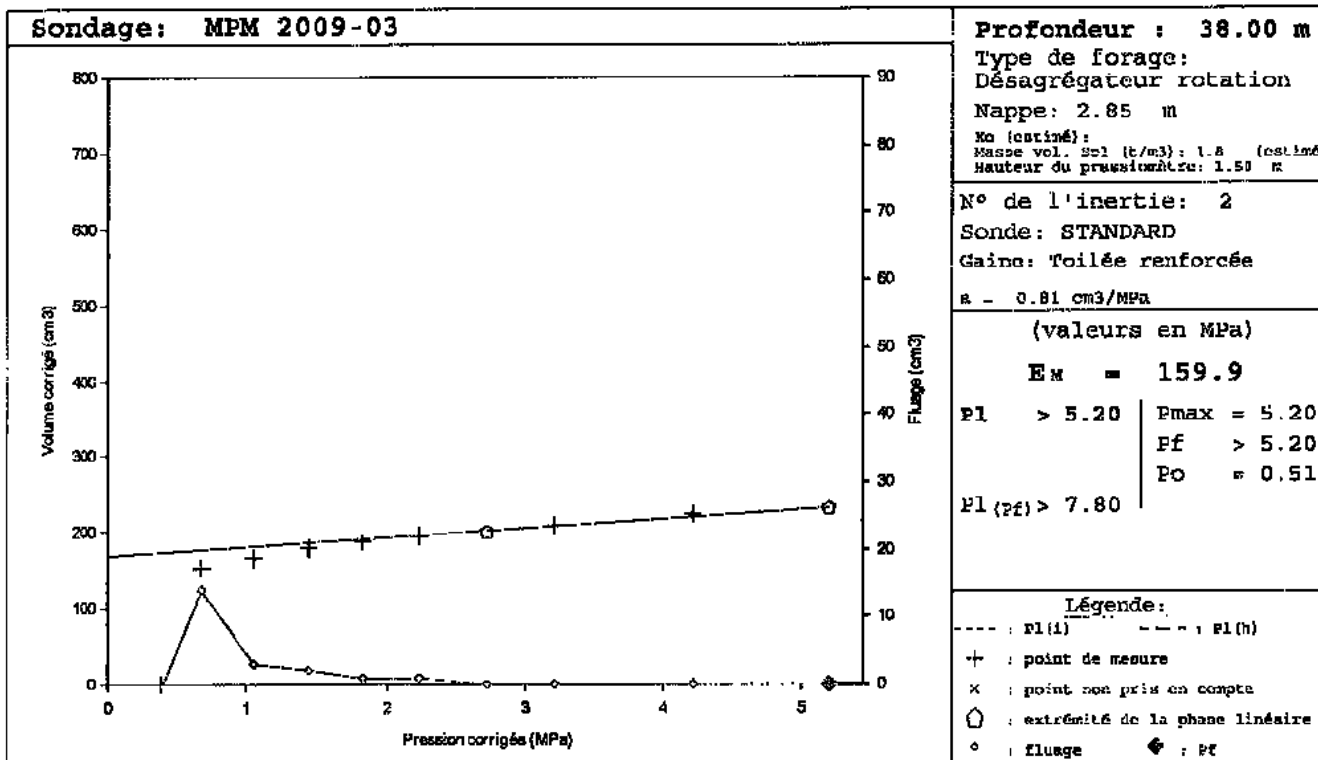
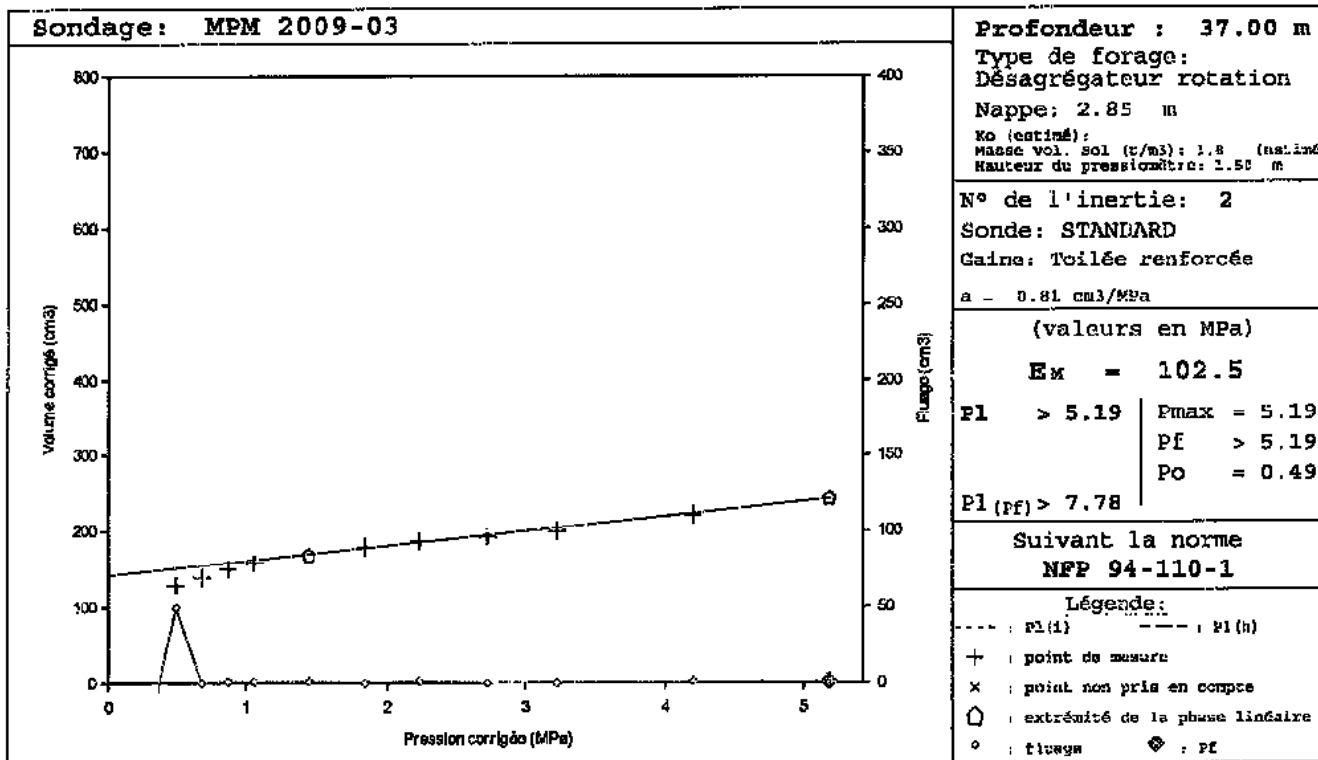
ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-FRASSIO
Version : 1.1

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AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

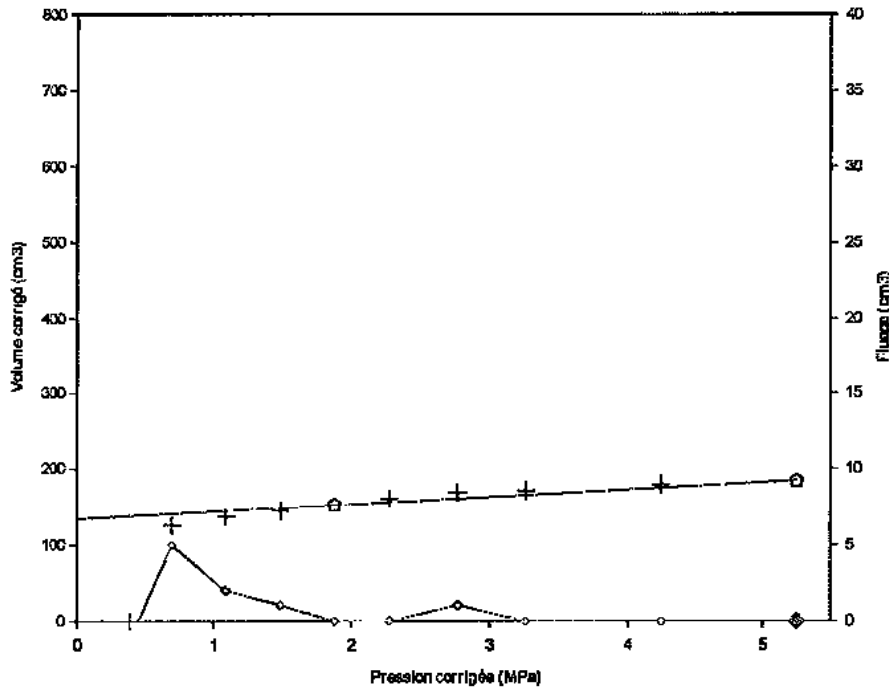
Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-Pressio
Version : 1.1

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Fichier : P9
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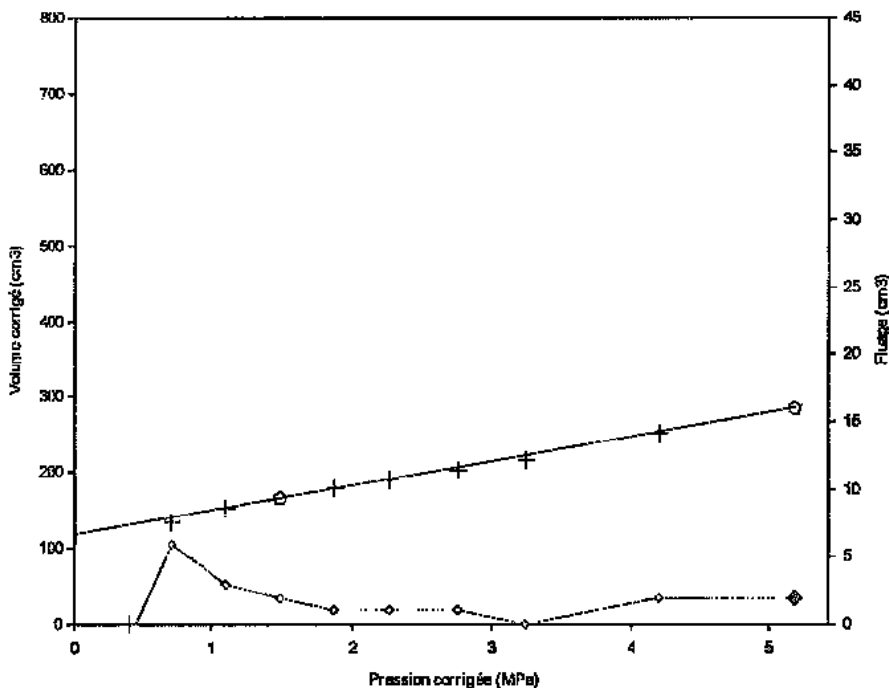
Profondeur : 39.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 195.8
P_l > 5.25 | P_{max} = 5.25
P_f > 5.25
P_o = 0.52
P_l (P_f) > 7.87

Légende:
- - - : P_l(l) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ♦ : P_f

Sondage: MPM 2009-03



Profondeur : 40.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 63.2
P_l > 5.19 | P_{max} = 5.19
P_f > 5.19
P_o = 0.54
P_l (P_f) > 7.78

Légende:
- - - : P_l(l) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ♦ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

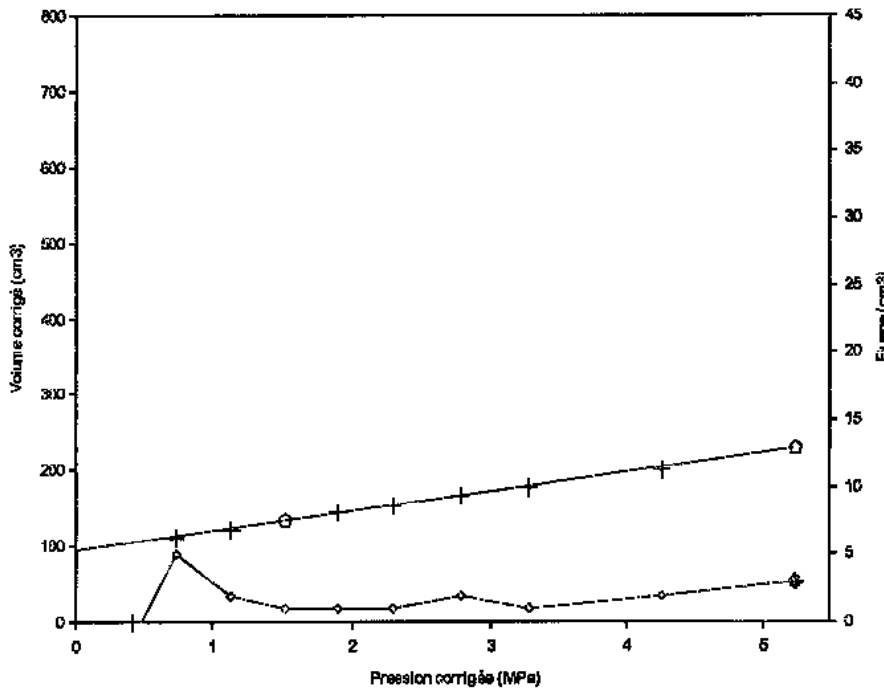
Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-Pressio
Version : 1.1

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Fichier : P9
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Sondage: MPM 2009-03



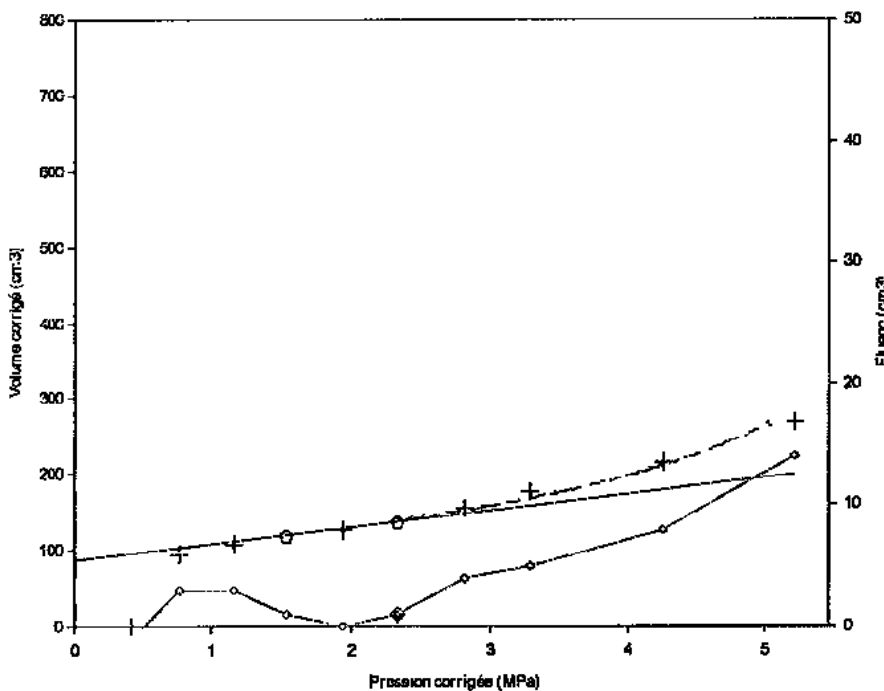
Profondeur : 41.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 6.81 cm³/MPa

(valeurs en MPa)
E_M = 74.6
P₁ > 5.23 | P_{max} = 5.23
P_f > 5.23
P_o = 0.55
P₁(P_f) > 7.85

Légende:
--- : P₁(i) - - - : P₁(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ♦ : P_f

Sondage: MPM 2009-03



Profondeur : 42.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 2.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 79.7
P₁ = 7.10 | P_{max} = 5.22
P₁(i) = 7.10 | P_f = 2.32
P₁(h) = 6.42 | P_o = 0.56
P₁(P_f) = 3.49

Légende:
--- : P₁(i) - - - : P₁(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ♦ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

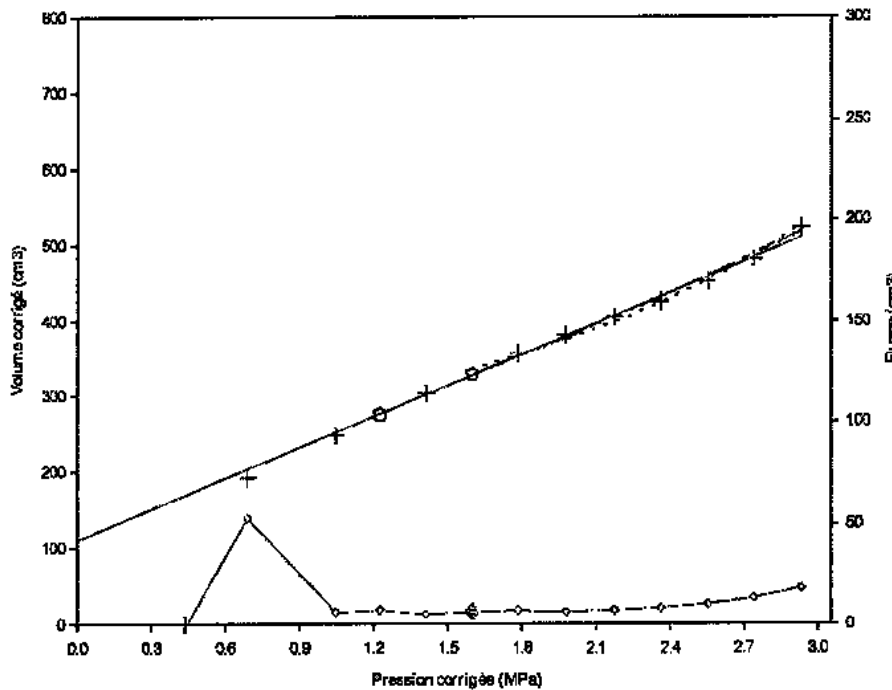
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Programme: W-PRESSIO
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Fichier : P9
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Sondage: MPM 2009-03



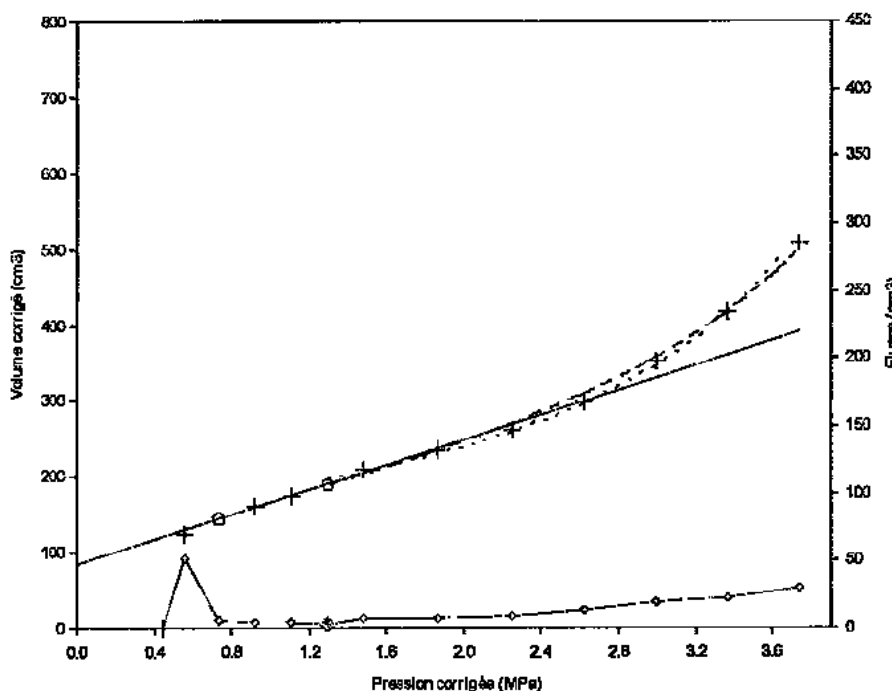
Profondeur : 43.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
No (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.51 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 16.4$
Pl = 4.21 | Pmax = 2.93
Pl(i) = 4.21 | Pf = 1.60
Pl(h) = 4.98 | Po = 0.58
Pl(pf) = 2.40

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
◦ : fluage ◆ : Pf

Sondage: MPM 2009-03



Profondeur : 44.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
No (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.51 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 22.9$
Pl = 4.34 | Pmax = 3.74
Pl(i) = 4.34 | Pf = 1.30
Pl(h) = 4.42 | Po = 0.59
Pl(pf) = 1.95

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
◦ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

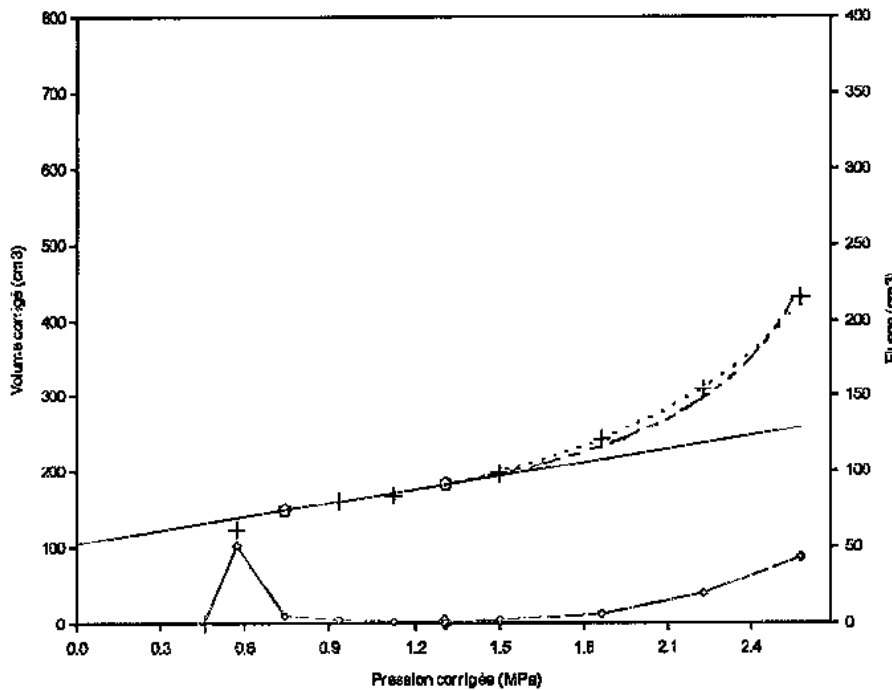
Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-PRESSIO
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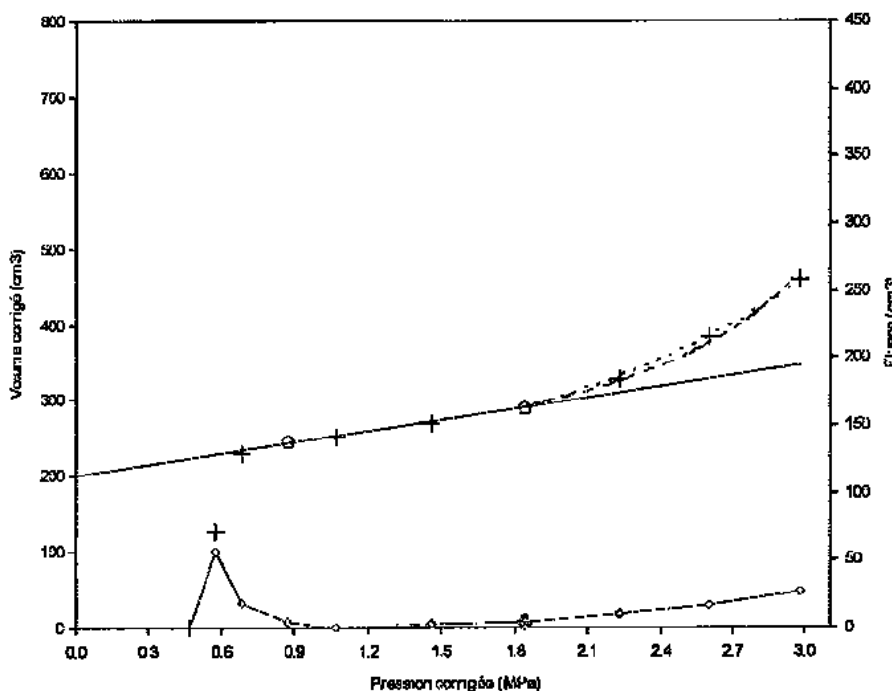
Profondeur : 45.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gain: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 31.7
Pl = 3.06 | Pmax = 2.58
Pl(i) = 3.06 | Pf = 1.31
Pl(h) = 2.78 | Po = 0.60
Pl(p_f) = 1.97

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM 2009-03



Profondeur : 46.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gain: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 44.0
Pl = 4.07 | Pmax = 2.98
Pl(i) = 4.07 | Pf = 1.85
Pl(h) = 3.46 | Po = 0.62
Pl(p_f) = 2.77

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

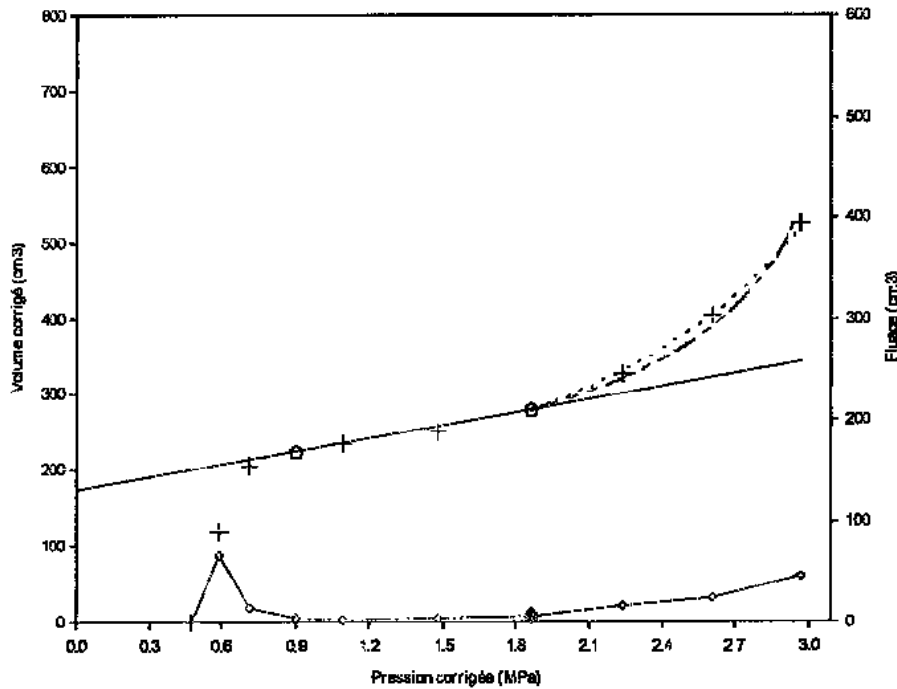
Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-PRESSIO
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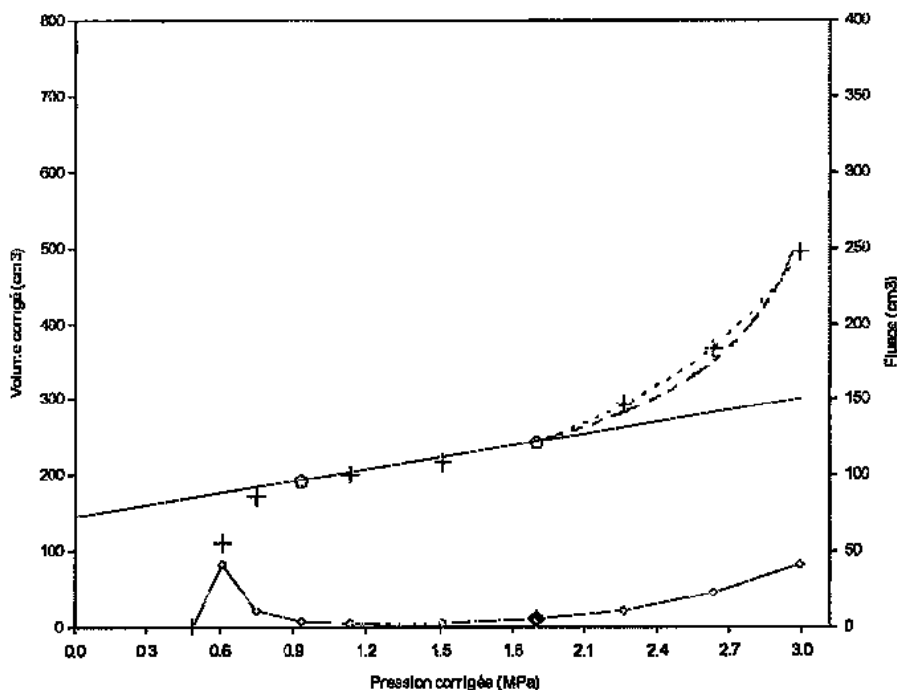
Profondeur : 47.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_M = 36.6
P₁ = 3.58 | P_{max} = 2.97
P₁(i) = 3.58 | P_f = 1.86
P₁(h) = 3.22 | P₀ = 0.63
P₁(zf) = 2.79

Légende:
--- : P₁(i) - - - : P₁(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
◊ : fluage ◆ : PF

Sondage: MPM 2009-03



Profondeur : 48.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_M = 38.4
P₁ = 3.50 | P_{max} = 2.99
P₁(i) = 3.50 | P_f = 1.90
P₁(h) = 3.19 | P₀ = 0.65
P₁(zf) = 2.84

Légende:
--- : P₁(i) - - - : P₁(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
◊ : fluage ◆ : PF

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

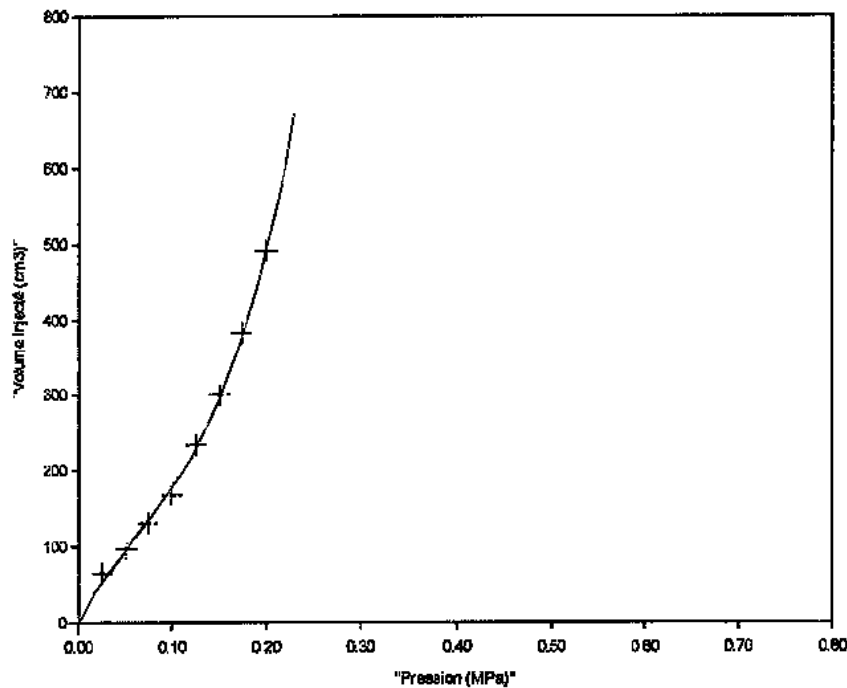
Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-Pressio
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ETALONNAGE N° 1



Type sonde :
STANDARD

Gaine:
1,5 mm

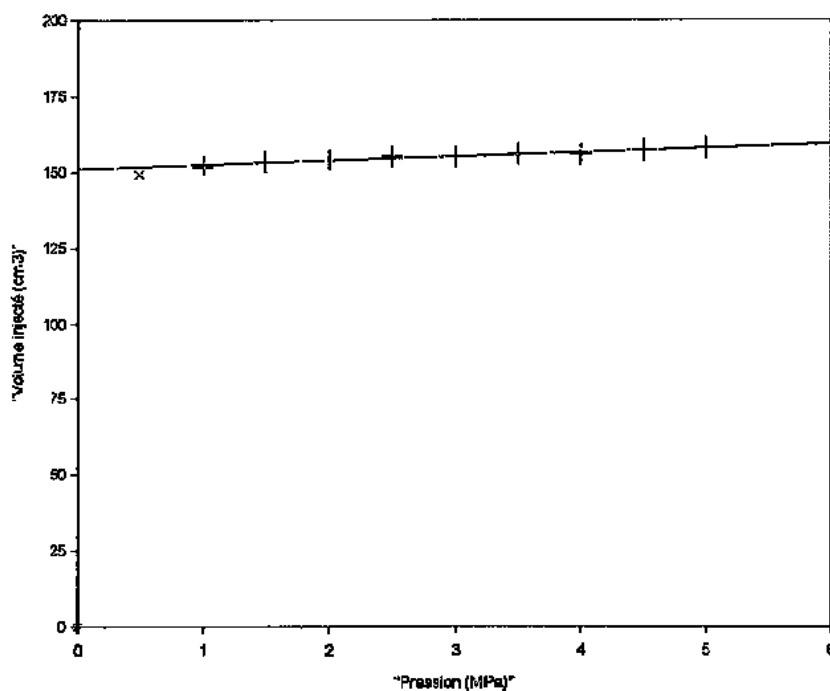
Vs = 535 cm³

Conforme à la norme
NFP 94-110-1

Légende:

! : point de mesure
* : point non pris en compte

CALIBRAGE N° 1



Type sonde :
STANDARD

Gaine:
1,5 mm

Vs = 535 cm³

Coef. de compressibilité:
a = 1.37 cm³/MPa

Conforme à la norme
NFP 94-110-1

Légende:

! : point de mesure
* : point non pris en compte

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

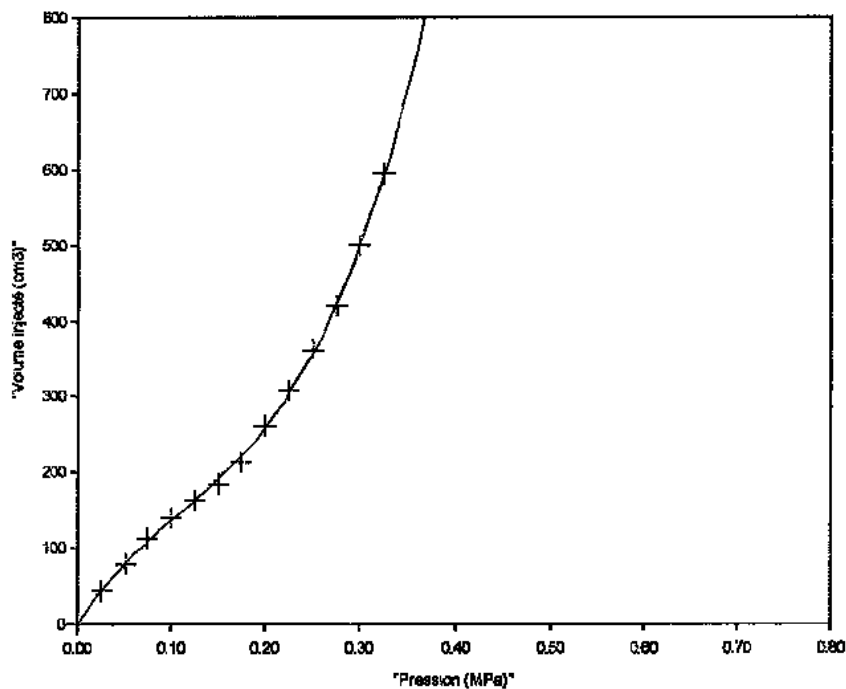
Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-Pressio
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ETALONNAGE N° 2



Type sonde :
STANDARD

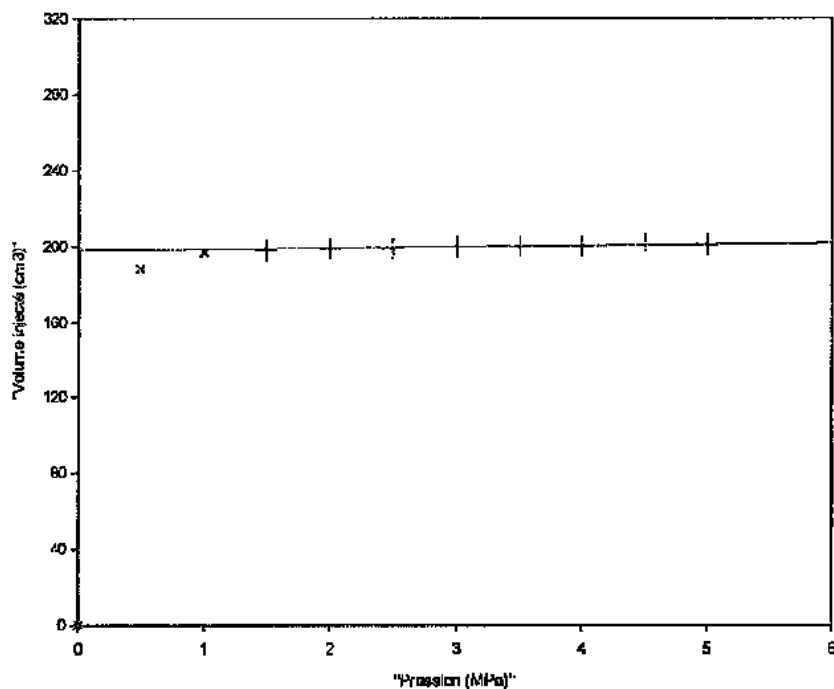
Gaine:
Toilée renforcée

Vs = 535 cm3

Conforme à la norme
NFP 94-110-1

Légende:
.. : point de mesure
x : point non pris en compte

CALIBRAGE N° 2



Type sonde :
STANDARD

Gaine:
Toilée renforcée

Vs = 535 cm3

Coef. de compressibilité:
a = 0.81 cm3/MPa

Conforme à la norme
NFP 94-110-1

Légende:
| : point de mesure
x : point non pris en compte

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

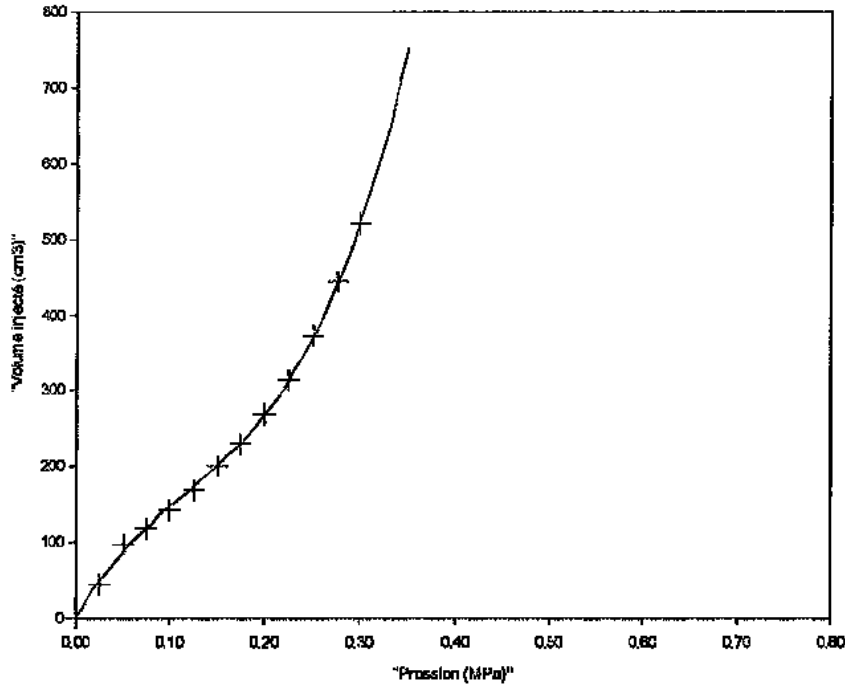
Programme: W-Pressio
Version : 1.1

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ETALONNAGE N° 3

Toile renforcée



Type sonde :
STANDARD

Gaine:
3 mm

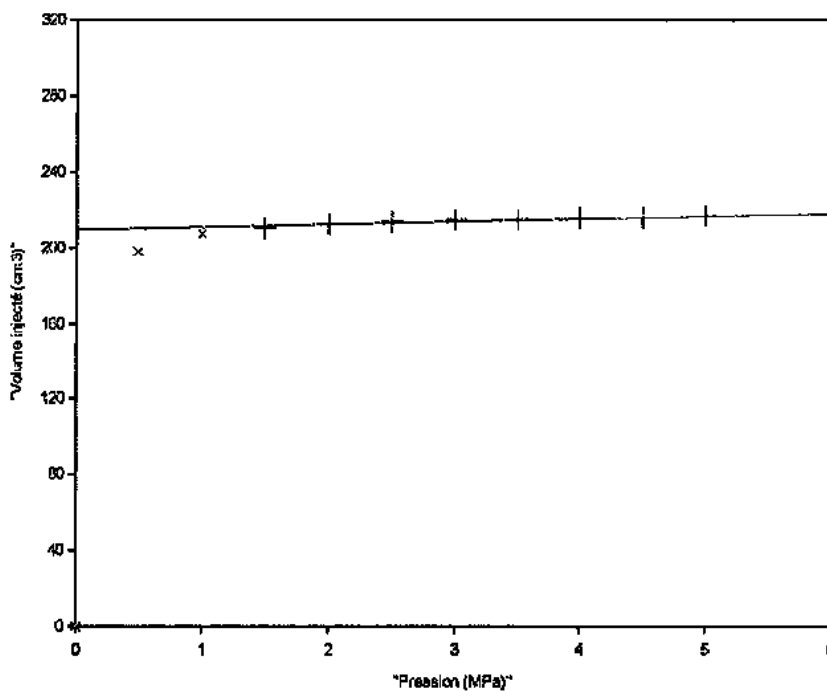
Vs = 535 cm³

Conforme à la norme
NFP 94-110-1

Légende:

- : point de mesure
- x : point non pris en compte

CALIBRAGE N° 3



Type sonde :
STANDARD

Gaine:
3 mm

Vs = 535 cm³

Coef. de compressibilité:
a = 1.50 cm³/MPa

Conforme à la norme
NFP 94-110-1

Légende:

- : point de mesure
- x : point non pris en compte

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

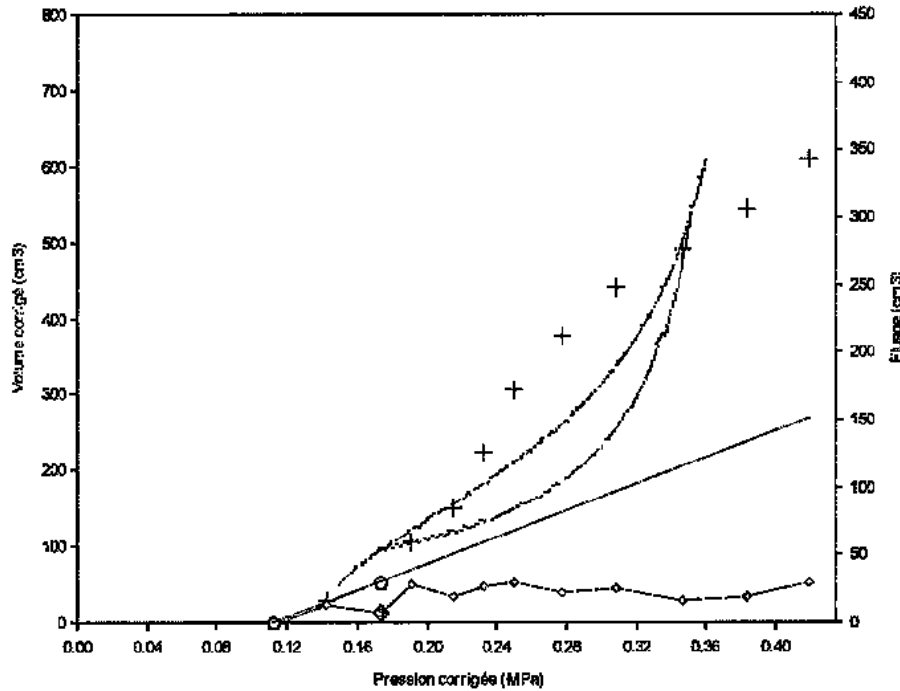
Affaire: SIZEWELL

Programme: W-Pressio
Version : 1.1

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Fichier : P10
Dernière mise à jour:
22/12/2010 16:47:13

Sondage: MPM 2009-4



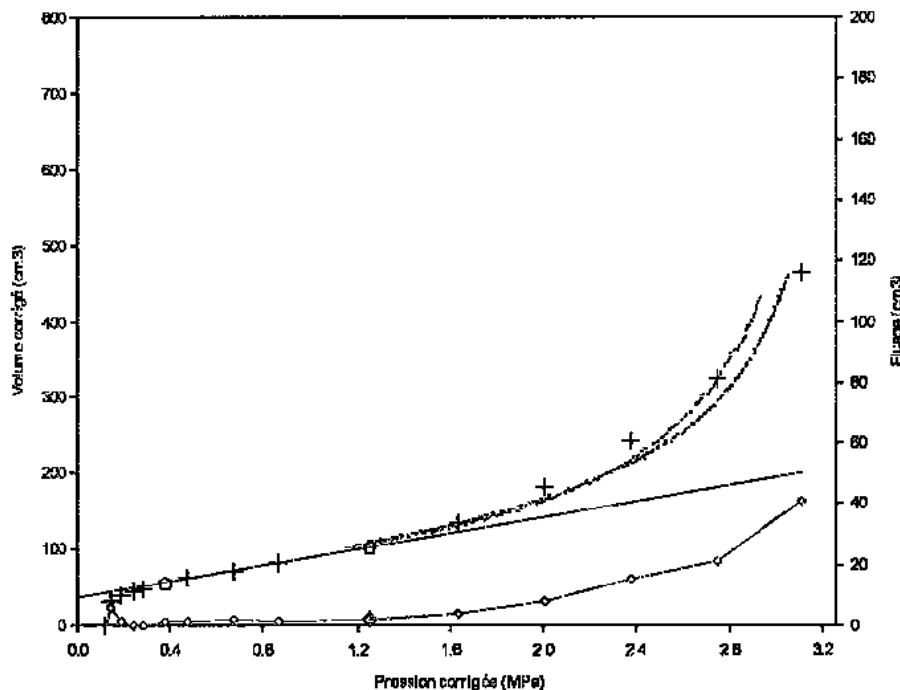
Profondeur : 10.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.6 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
a = 2.00 cm³/MPa

(valeurs en MPa)
E_M = 1.7
PL = 0.36 | E_{max} = 0.42
PL (i) = 0.36 | P_f = 0.17
PL (h) = 0.35 | P₀ = 0.13
PL (pf) = 0.26

Légende:
- - - : PL(i) - - - : PL(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
o : fluage ◊ : P_f

Sondage: MPM 2009-4



Profondeur : 11.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
a = 2.00 cm³/MPa

(valeurs en MPa)
E_M = 30.8
PL = 3.14 | E_{max} = 3.11
PL (i) = 3.14 | P_f = 1.25
PL (h) = 3.17 | P₀ = 0.15
PL (pf) = 1.88

Légende:
- - - : PL(i) - - - : PL(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
o : fluage ◊ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

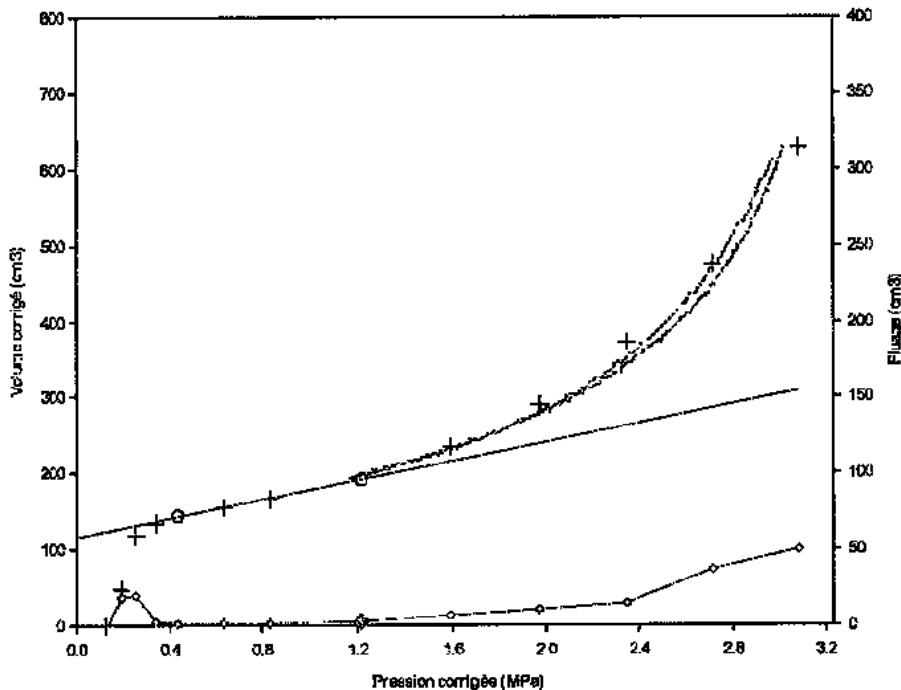
Affaire: SIZEWELL.

Programme: W-Pressio
Version : 1.1

FONDASOL
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BP 765
64140 MONTEVET

Fichier : P10
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Sondage: MPM 2009-4



Profondeur : 12.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ estimé:
Masse vol. Sol: (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
 $a = 2.00 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

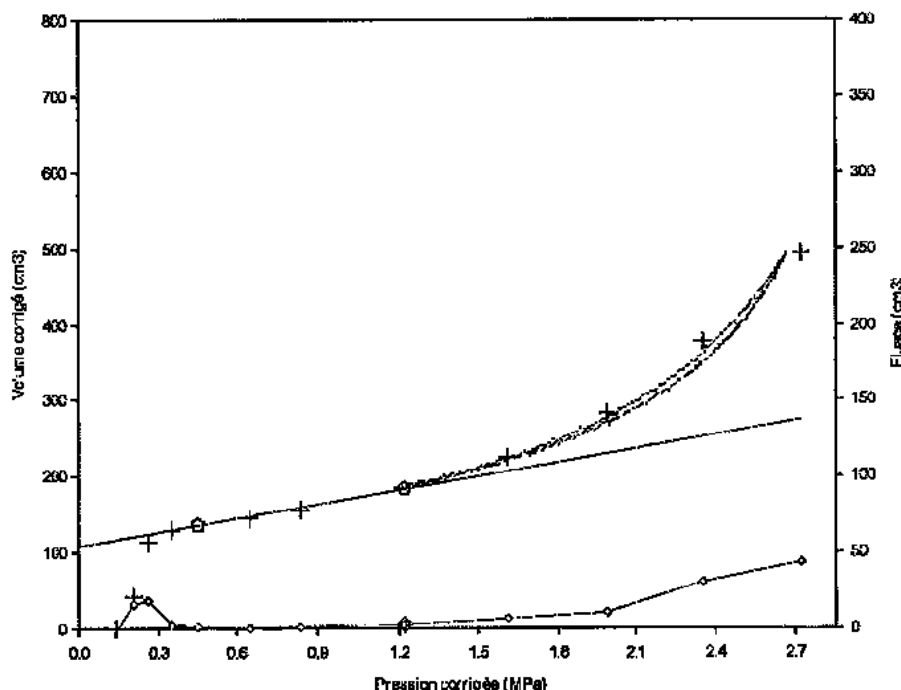
$E_m = 30.0$

$P_1 = 3.21$	$P_{max} = 3.08$
$P_1(i) = 3.21$	$P_f = 1.21$
$P_1(h) = 3.16$	$P_0 = 0.16$
$P_1(pf) = 1.82$	

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- ◇ : extrémité de la phase linéaire
- : fluage ◆ : P_f

Sondage: MPM 2009-4



Profondeur : 13.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ estimé:
Masse vol. Sol: (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
 $a = 2.00 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_m = 30.2$

$P_1 = 3.01$	$P_{max} = 2.72$
$P_1(i) = 3.01$	$P_f = 1.23$
$P_1(h) = 2.89$	$P_0 = 0.18$
$P_1(pf) = 1.84$	

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- ◇ : extrémité de la phase linéaire
- : fluage ◆ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

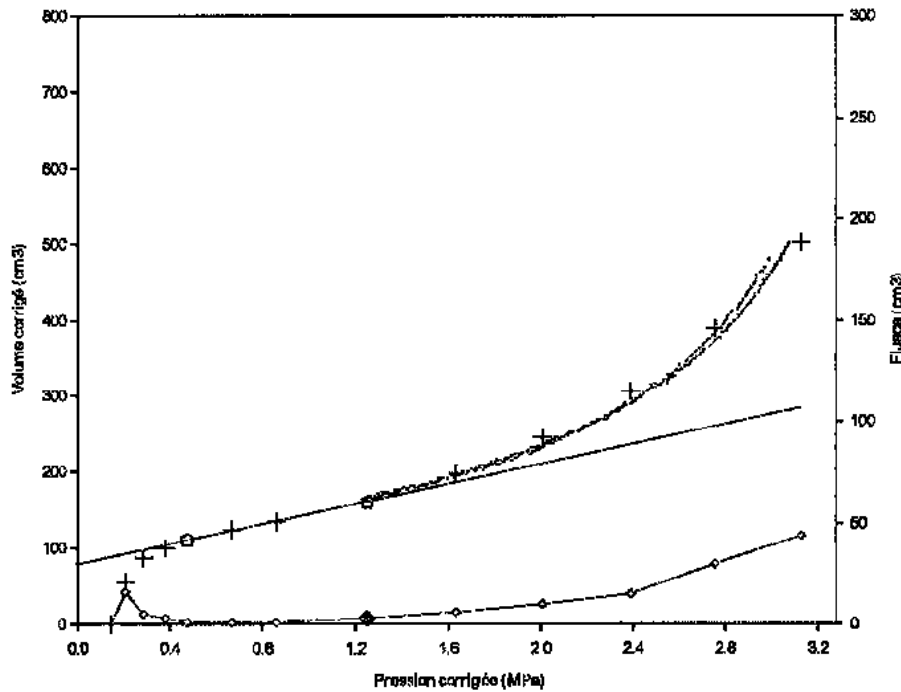
Affaire: SIZEWELL

Programme: W-Pressio
Version : 1.1

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Fichier : #10
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Sondage: MPM 2009-4



Profondeur : 14.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ testé:
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
 $\alpha = 2.00 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

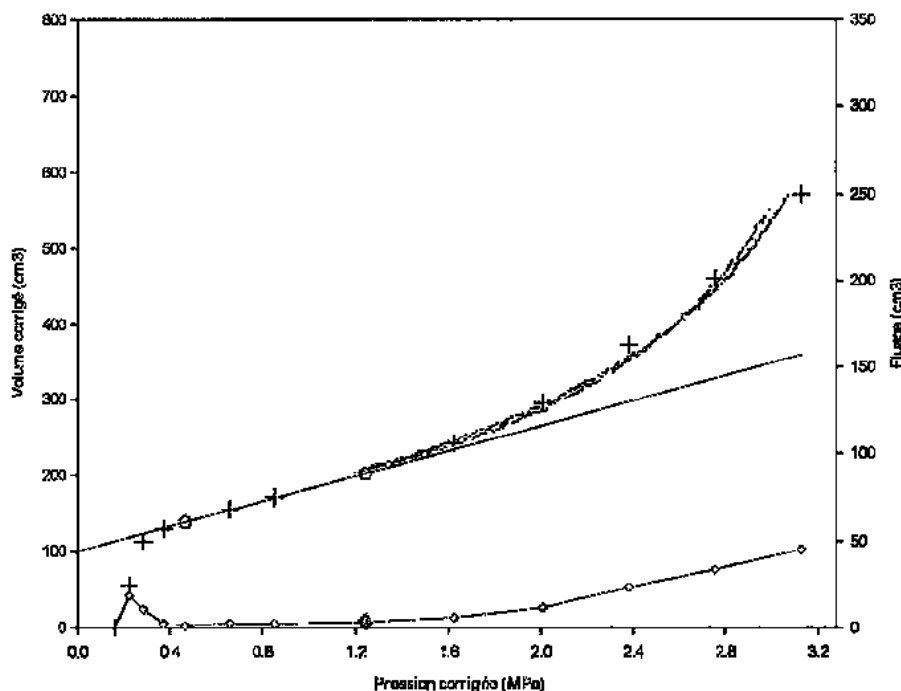
$E_M = 27.4$

PL = 3.36	Pmax = 3.13
PL(i) = 3.36	Pf = 1.25
PL(h) = 3.34	Po = 0.19
PL(pf) = 1.87	

Légende:

--- : PL(i) - - - : PL(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : PF

Sondage: MPM 2009-4



Profondeur : 15.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ testé:
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
 $\alpha = 2.00 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 22.8$

PL = 3.39	Pmax = 3.13
PL(i) = 3.39	Pf = 1.24
PL(h) = 3.37	Po = 0.20
PL(pf) = 1.86	

Légende:

--- : PL(i) - - - : PL(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : PF

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NEP 94-110)

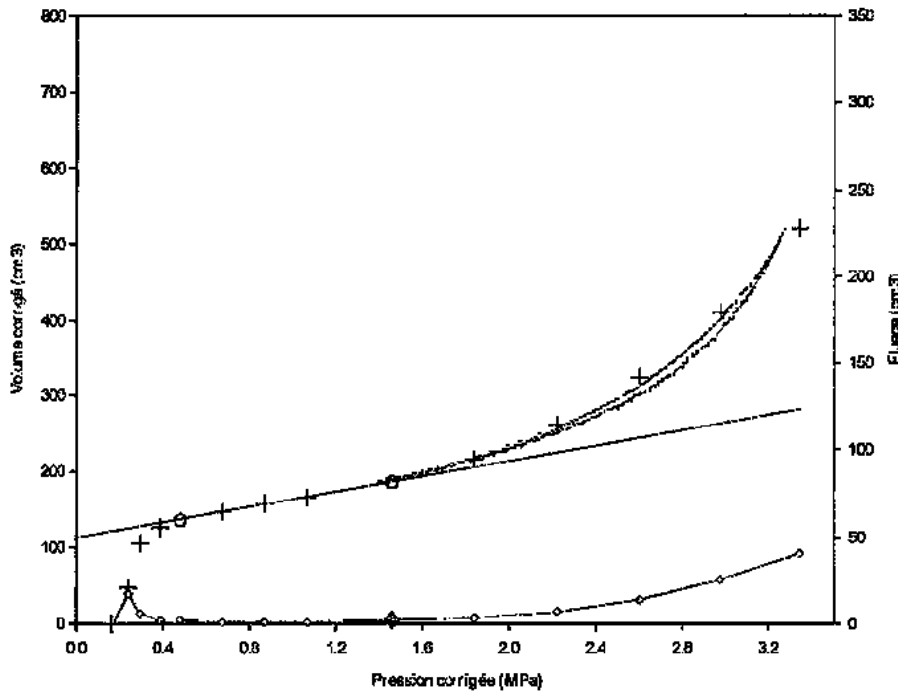
Affaire: SIZEWELL

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Version : 1.1

Fichier : P10
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Sondage: MPM 2009-4



Profondeur : 16.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
a = 2.00 cm³/MPa

(valeurs en MPa)

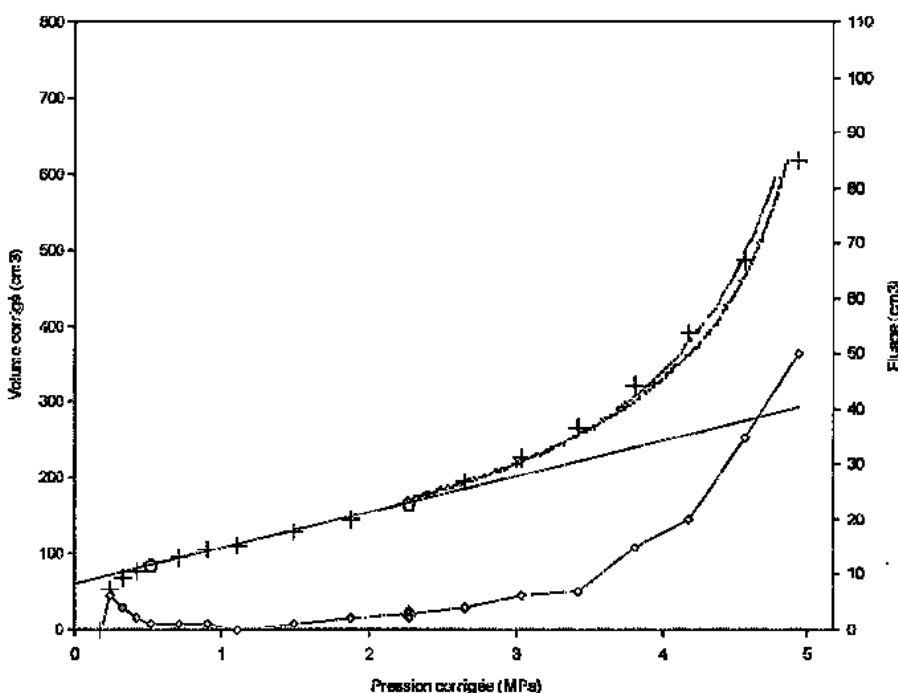
E_m = 36.9

P1 = 3.69	Pmax = 3.35
P1(i) = 3.69	PF = 1.46
P1(h) = 3.51	Po = 0.22
P1(PF) = 2.18	

Légende:

--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : P1

Sondage: MPM 2009-4



Profondeur : 17.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
a = 2.00 cm³/MPa

(valeurs en MPa)

E_m = 37.4

P1 = 4.98	Pmax = 4.93
P1(i) = 4.98	PF = 2.27
P1(h) = 4.95	Po = 0.23
P1(PF) = 3.41	

Légende:

--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : P1

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

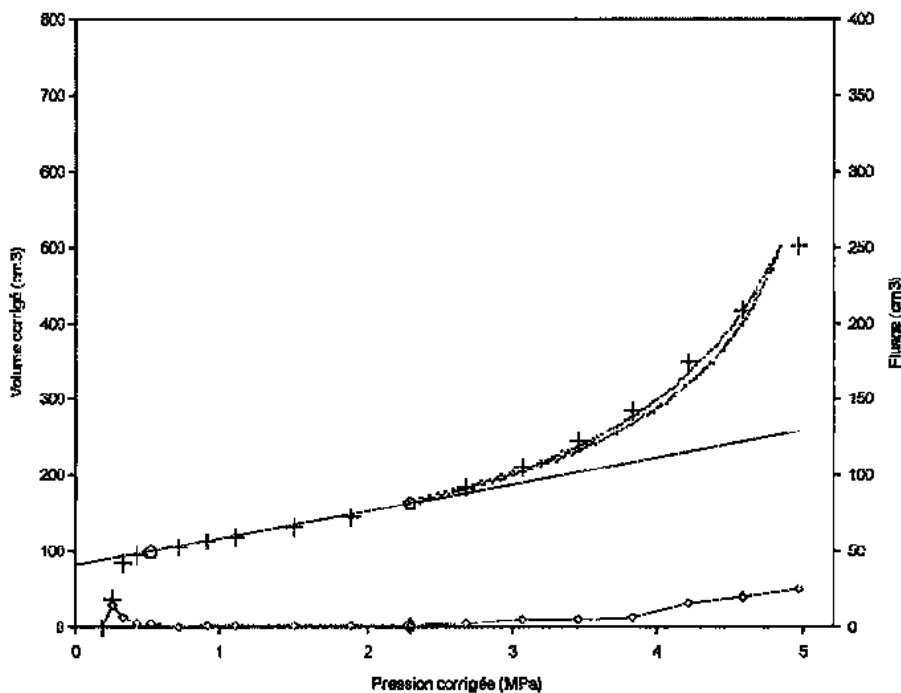
Affaire: SIZEWELL

Programme: W-Pressio
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Sondage: MPM 2009-4



Profondeur : 18.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm

a = 2.00 cm³/MPa

(valeurs en MPa)

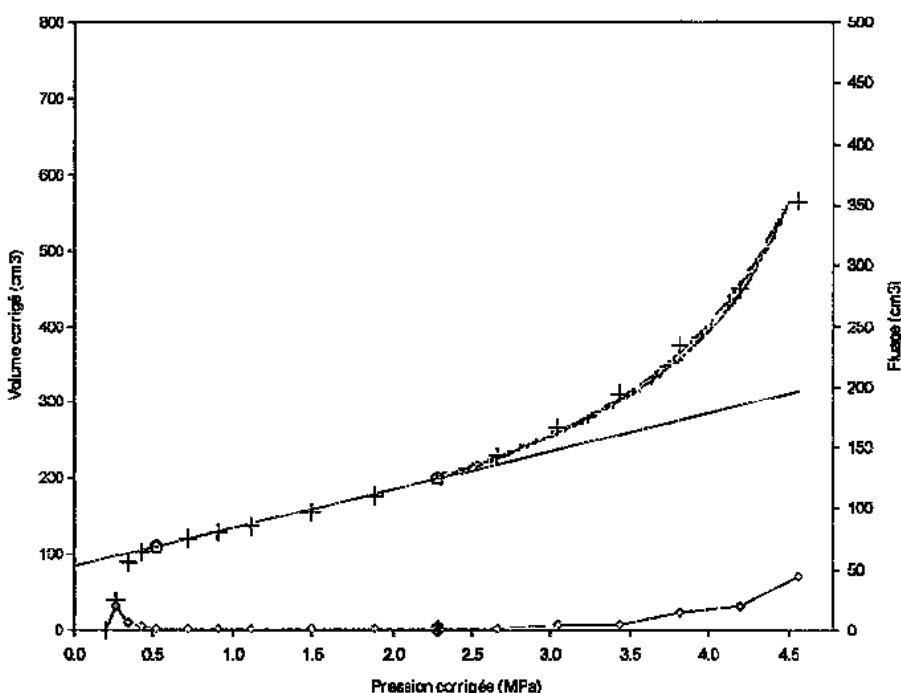
E_m = 50.1

P1 = 5.28	P _{max} = 4.97
P1(i) = 5.28	P _f = 2.29
P1(h) = 5.11	P ₀ = 0.24
P1(pf) = 3.43	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- O : extrémité de la phase linéaire
- ◇ : fléage
- ◆ : Pf

Sondage: MPM 2009-4



Profondeur : 19.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm

a = 2.00 cm³/MPa

(valeurs en MPa)

E_m = 36.4

P1 = 4.86	P _{max} = 4.57
P1(i) = 4.86	P _f = 2.28
P1(h) = 4.75	P ₀ = 0.26
P1(pf) = 3.42	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- O : extrémité de la phase linéaire
- ◇ : fléage
- ◆ : Pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

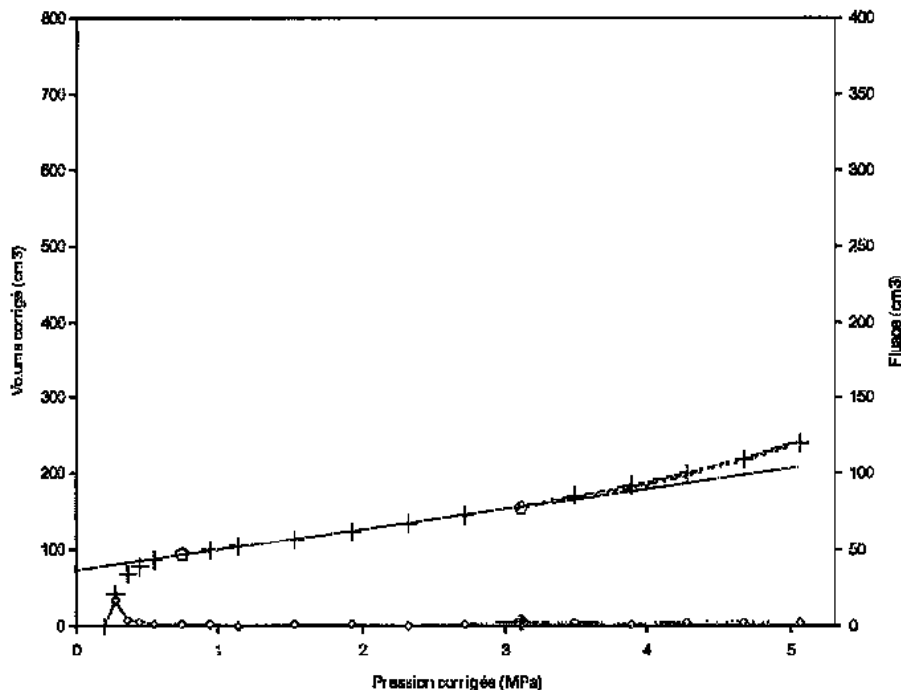
Affaire: STZFWRT.L

Programme: W-Pressio
Version : 1.1

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Fichier : P10
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Sondage: MPM 2009-4



Profondeur : 20.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
 $a = 2.28 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

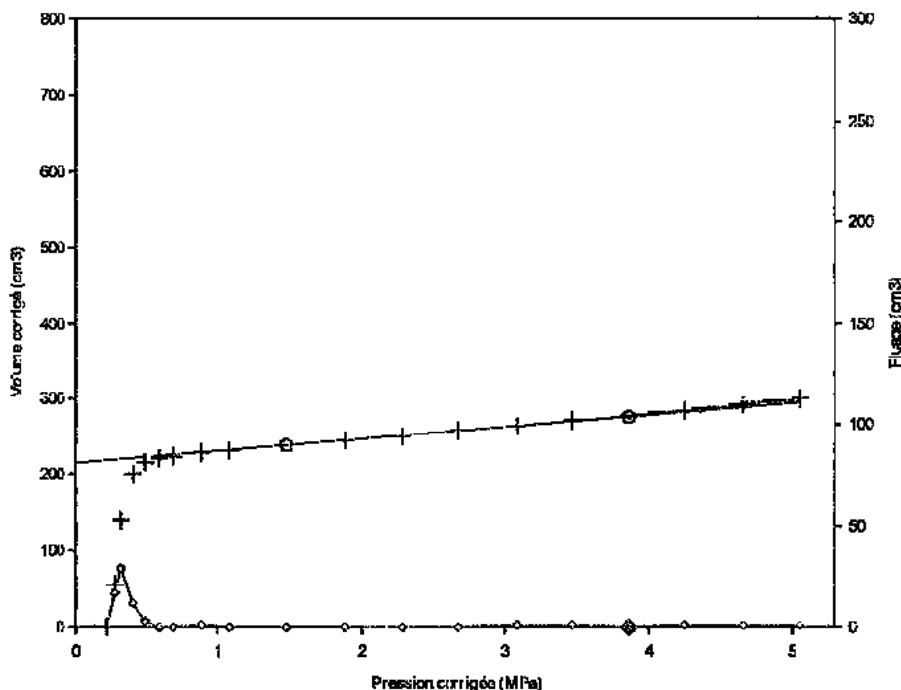
$E_m = 66.8$

$P_l = 7.56$	$P_{max} = 5.07$
$P_l(i) = 7.56$	$P_f = 3.11$
$P_l(h) = 7.14$	$P_o = 0.27$
$P_l(p_f) = 4.66$	

Légende:

- : $P_l(i)$
- - - : $P_l(h)$
- +
- x : point non pris en compte
- ⊕ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P_f

Sondage: MPM 2009-4



Profondeur : 21.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
 $a = 2.50 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

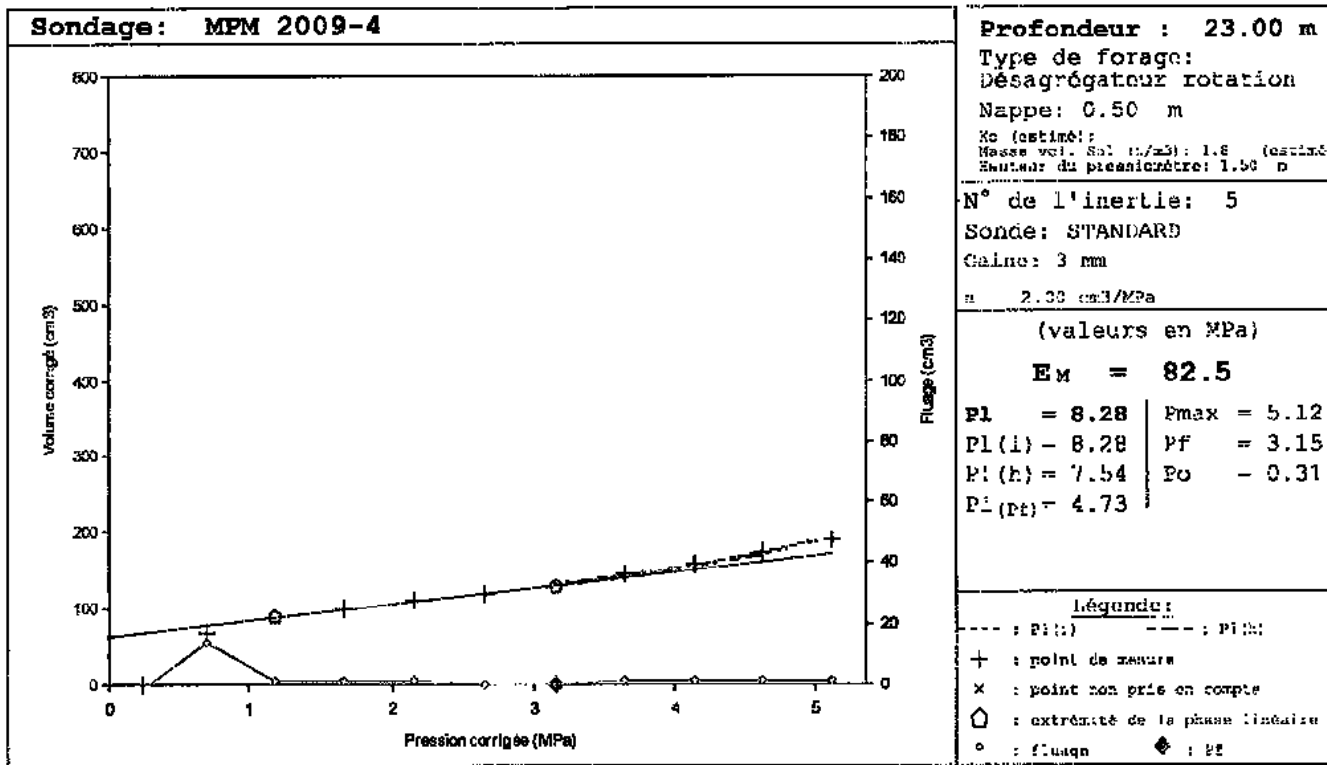
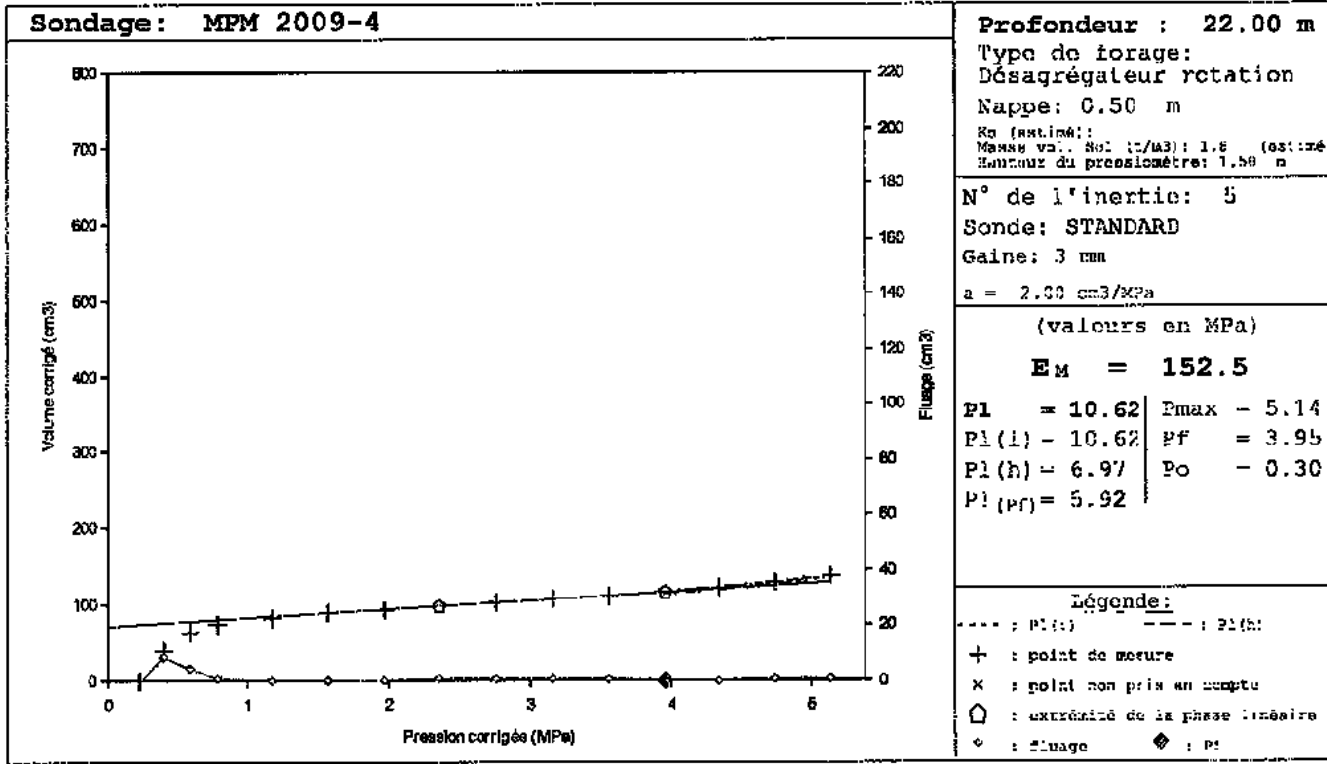
$E_m = 135.3$

$P_l = 15.46$	$P_{max} = 5.06$
$P_l(i) = 15.46$	$P_f = 3.87$
$P_l(h) = 11.69$	$P_o = 0.29$
$P_l(p_f) = 5.80$	

Légende:

- : $P_l(i)$
- - - : $P_l(h)$
- +
- x : point non pris en compte
- ⊕ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P_f

AFFAIRE N° : ML.100119	ESSAI PRESSIOMETRIQUE (NFP 94-110)
Affaire: SIZEWELL	
FONDASOI, 290 rue des Galoubets BP 765 84140 MONTFAVET	Programme: W-Pressio Version : 1.1 Richier : P10 Dernière mise à jour: 22/12/2010 16:47:13



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ESSAI PRESSIOMETRIQUE (NFP 94-110)

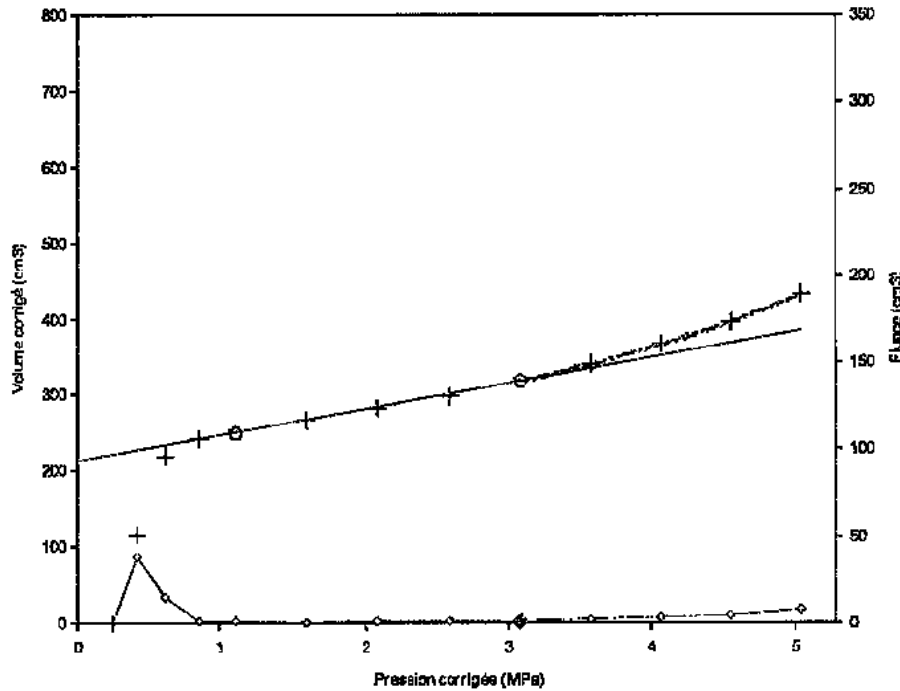
Affaire: SIXEWELL

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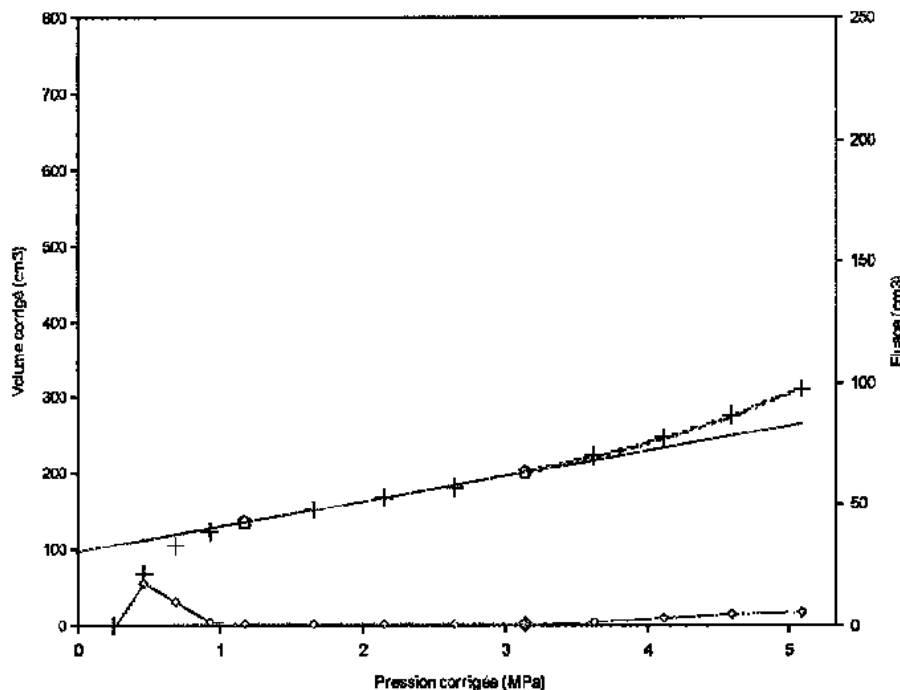
Profondeur : 24.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD)
Gaine: 3 mm
a = 2.30 cm³/MPa

(valeurs en MPa)
E_M = 64.3
P₁ = 8.33 | P_{max} = 5.05
P₁(i) = 8.33 | P_f = 3.08
P₁(h) = 7.40 | P₀ = 0.33
P₁(Pf) = 4.62

Légende:
- - - : P₁(i) - - - : P₁(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
o : fluage ◆ : Pf

Sondage: MPM 2009-4



Profondeur : 25.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
a = 2.00 cm³/MPa

(valeurs en MPa)
E_M = 56.7
P₁ = 7.39 | P_{max} = 5.09
P₁(i) = 7.39 | P_f = 3.14
P₁(h) = 6.84 | P₀ = 0.34
P₁(Pf) = 4.70

Légende:
- - - : P₁(i) - - - : P₁(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
o : fluage ◆ : Pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

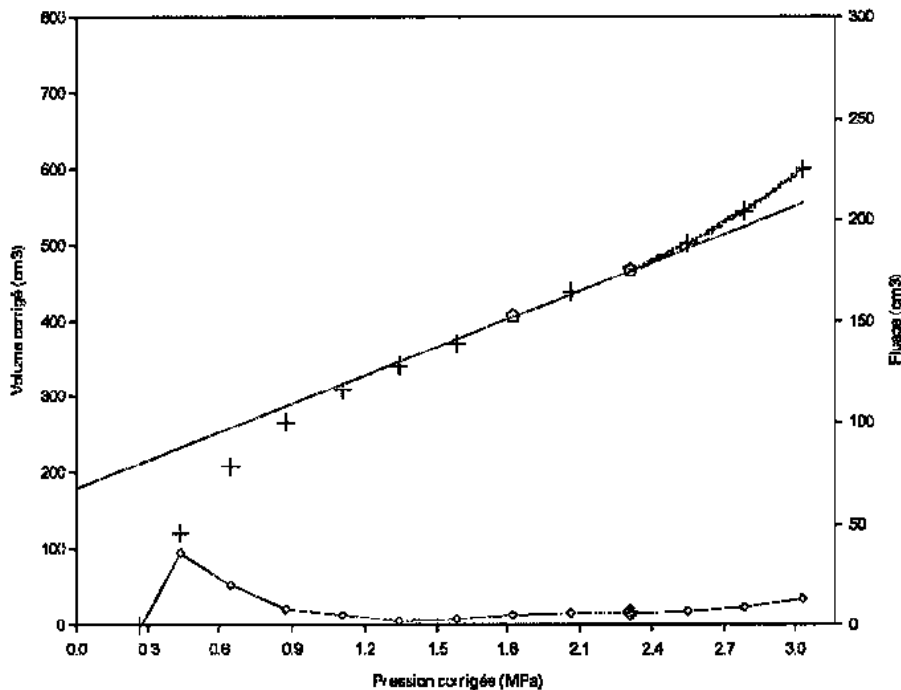
Affaire: SIZEWELL

Programme: W-Pressio
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Sondage: MPM 2009-4



Profondeur : 26.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm

$a = 2.38 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

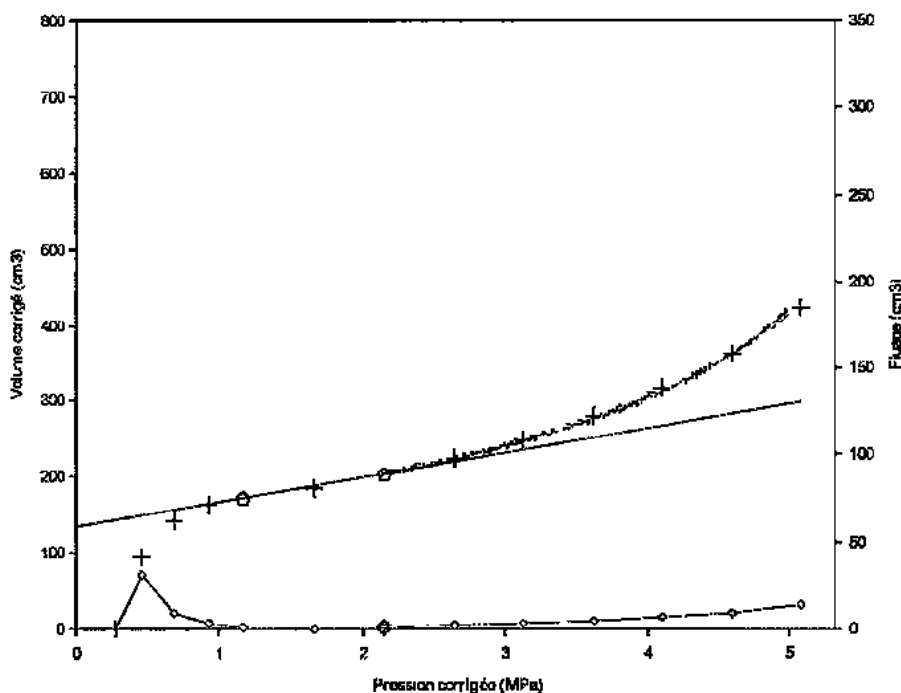
$E_M = 20.8$

PI = 4.48	Pmax = 3.03
PI(i) = 4.48	PI = 2.31
PI(h) = 3.97	PO = 0.35
PI(pi) = 3.46	

Légende:

--- : PI(i) - - - : PI(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◆ : P1

Sondage: MPM 2009-4



Profondeur : 27.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm

$a = 2.38 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 59.2$

PI = 6.46	Pmax = 5.08
PI(i) = 6.46	PI = 2.16
PI(h) = 5.98	PO = 0.37
PI(pi) = 3.23	

Légende:

--- : PI(i) - - - : PI(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◆ : P1

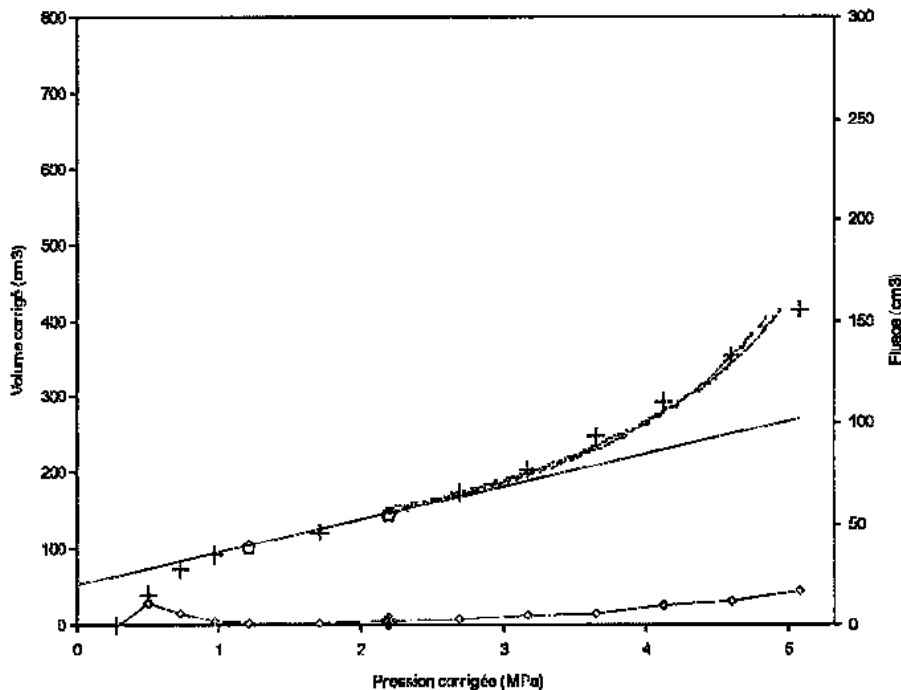
Affaire: SIZEWELL

Programme: W-Pressio
Version : 1.1

FONDASOL
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Fichier : P10
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Sondage: MPM 2009-4



Profondeur : 28.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
a = 2.00 cm³/MPa

(valeurs en MPa)

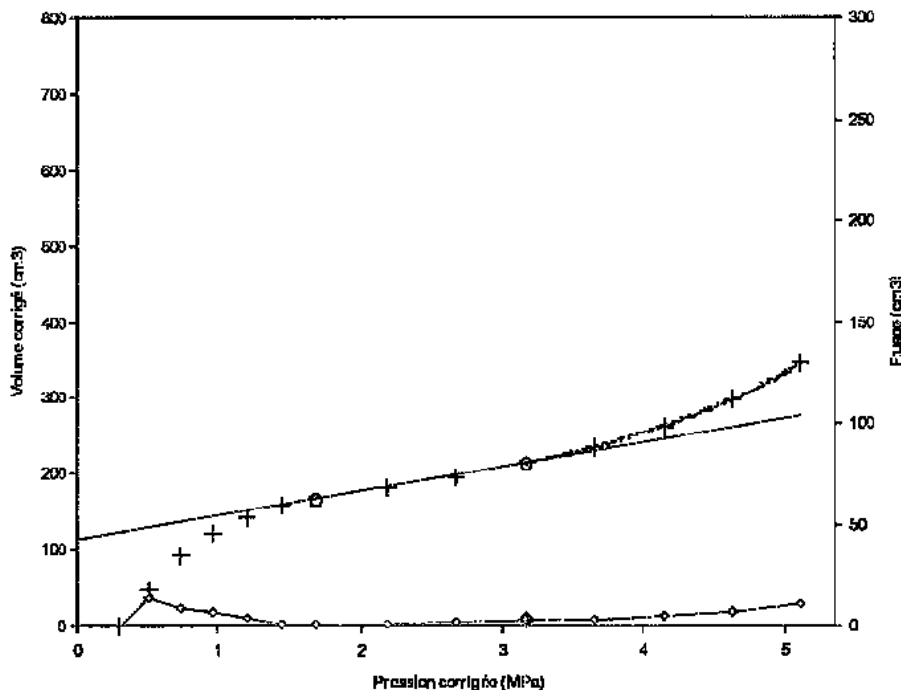
E_m = 40.8

PI = 5.58	P _{max} = 5.09
PI(i) = 5.58	PI = 2.19
PI(h) = 5.59	P _o = 0.38
PI(pf) = 3.29	

Légende:

- - - : PI(l)
- - - : PI(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- o : Pf

Sondage: MPM 2009-4



Profondeur : 29.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
a = 2.00 cm³/MPa

(valeurs en MPa)

E_m = 60.7

PI = 7.04	P _{max} = 5.12
PI(i) = 7.04	PI = 3.17
PI(h) = 6.49	P _o = 0.40
PI(pf) = 4.76	

Légende:

- - - : PI(l)
- - - : PI(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- o : Pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

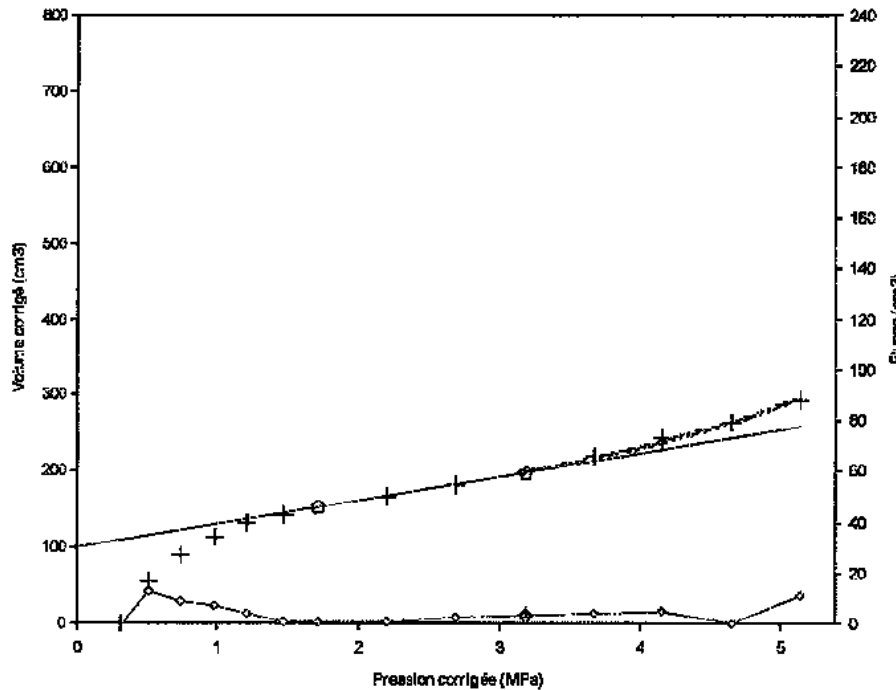
Affaire: SIZEWELL

Programme: W-Pressio
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Sondage: MPM 2009-4



Profondeur : 30.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.9 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
a = 2.00 cm³/MPa

(valeurs en MPa)

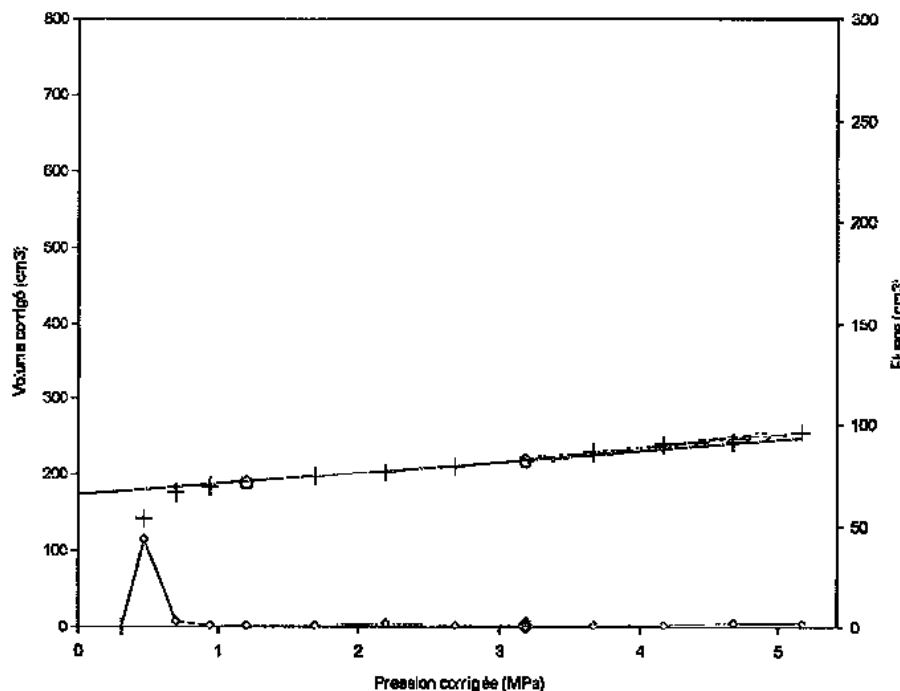
EM = 62.0

P1 = 7.80	Pmax = 5.15
P1(i) = 7.80	Pf = 3.19
P1(h) = 7.53	Po = 0.41
P1(Pf) = 4.78	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : Pf

Sondage: MPM 2009-4



Profondeur : 31.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.9 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
a = 2.00 cm³/MPa

(valeurs en MPa)

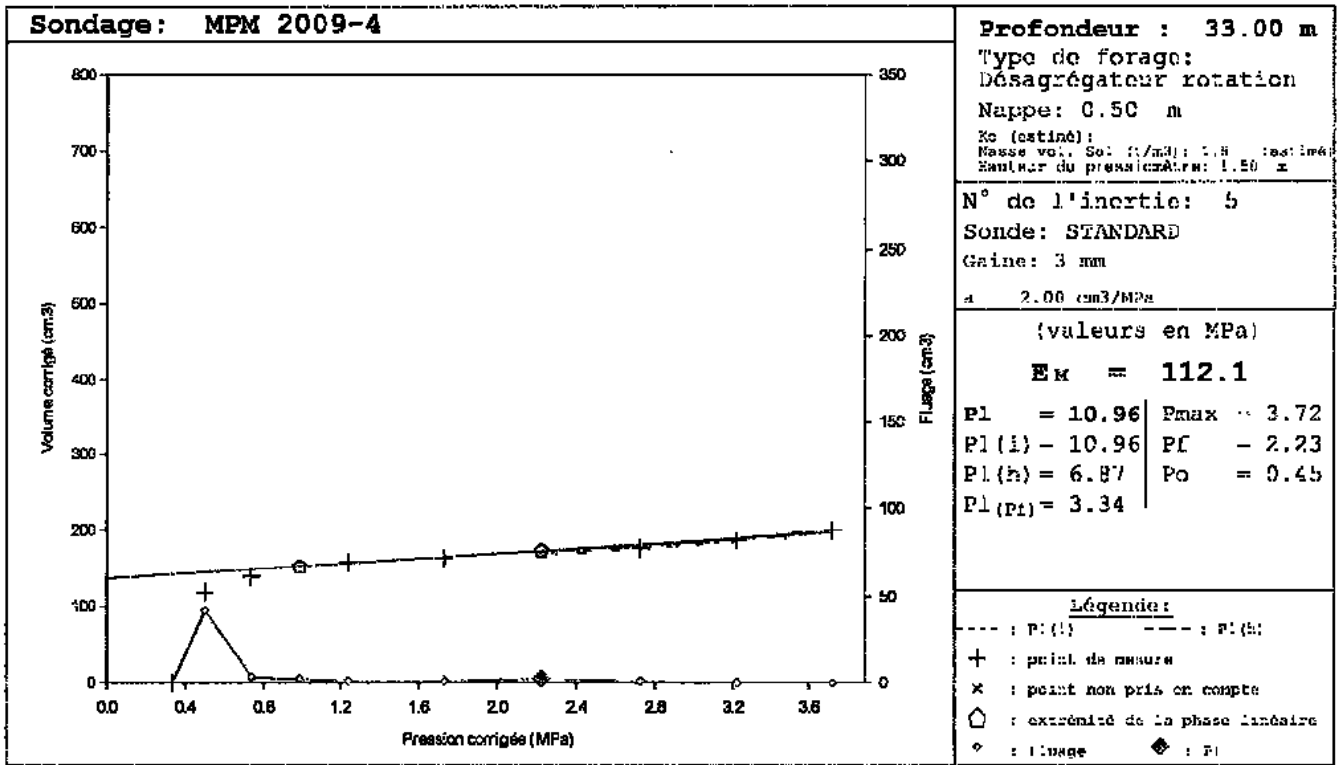
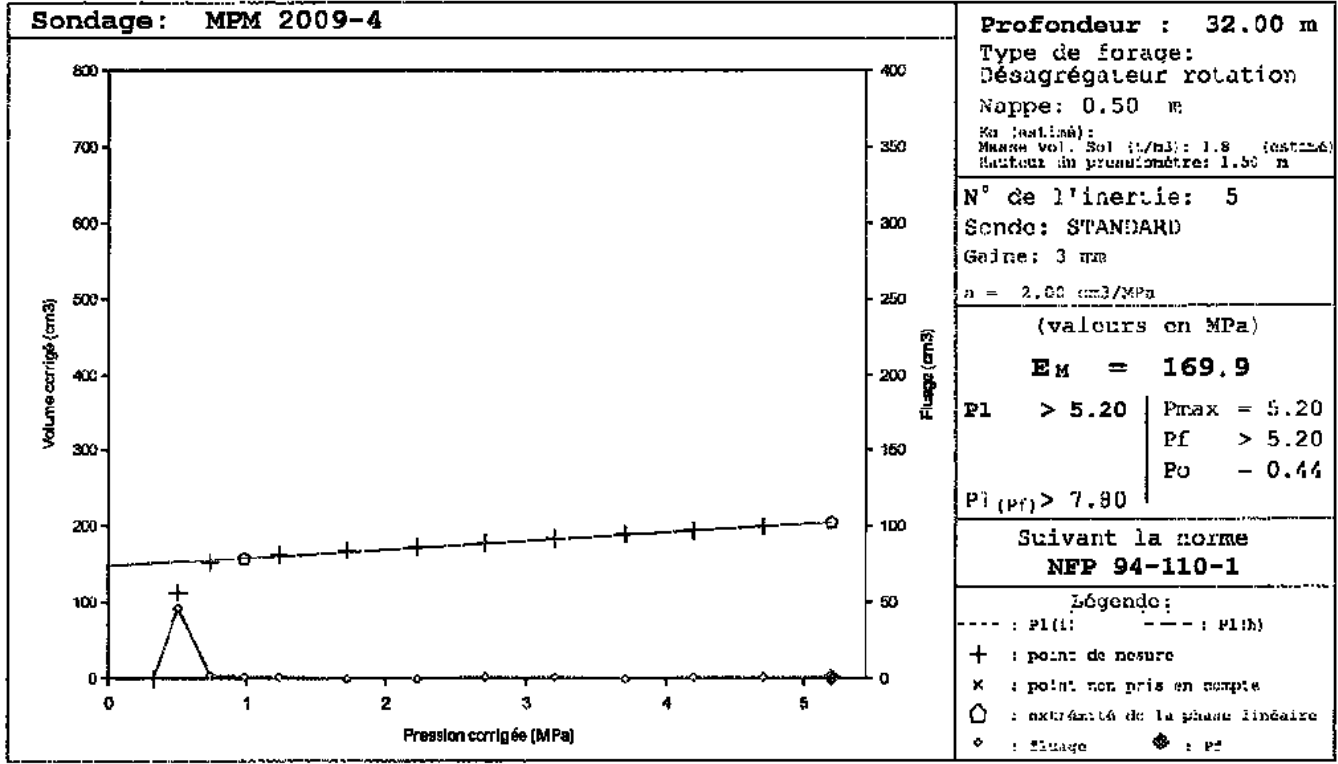
EM = 134.9

P1 = 14.26	Pmax = 5.17
P1(i) = 14.26	Pf = 3.19
P1(h) = 9.01	Po = 0.42
P1(Pf) = 4.78	

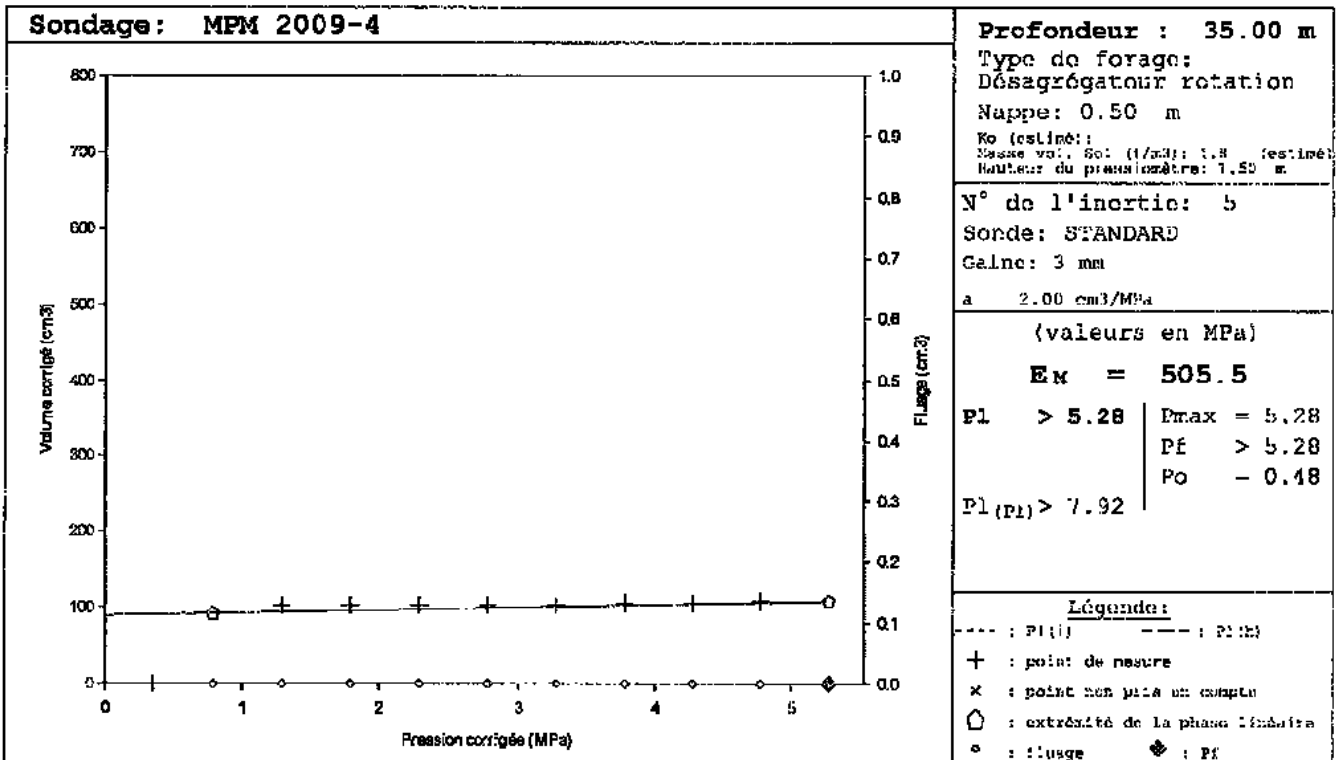
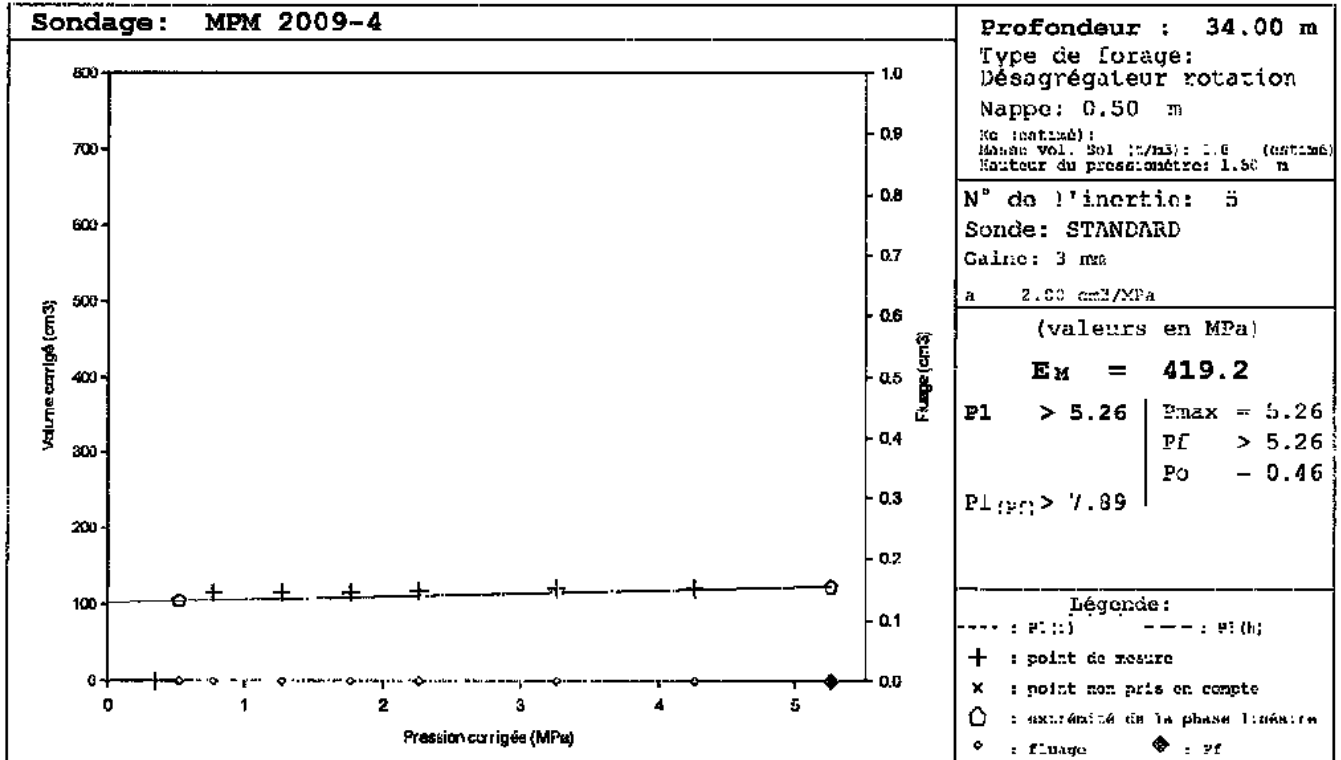
Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : Pf

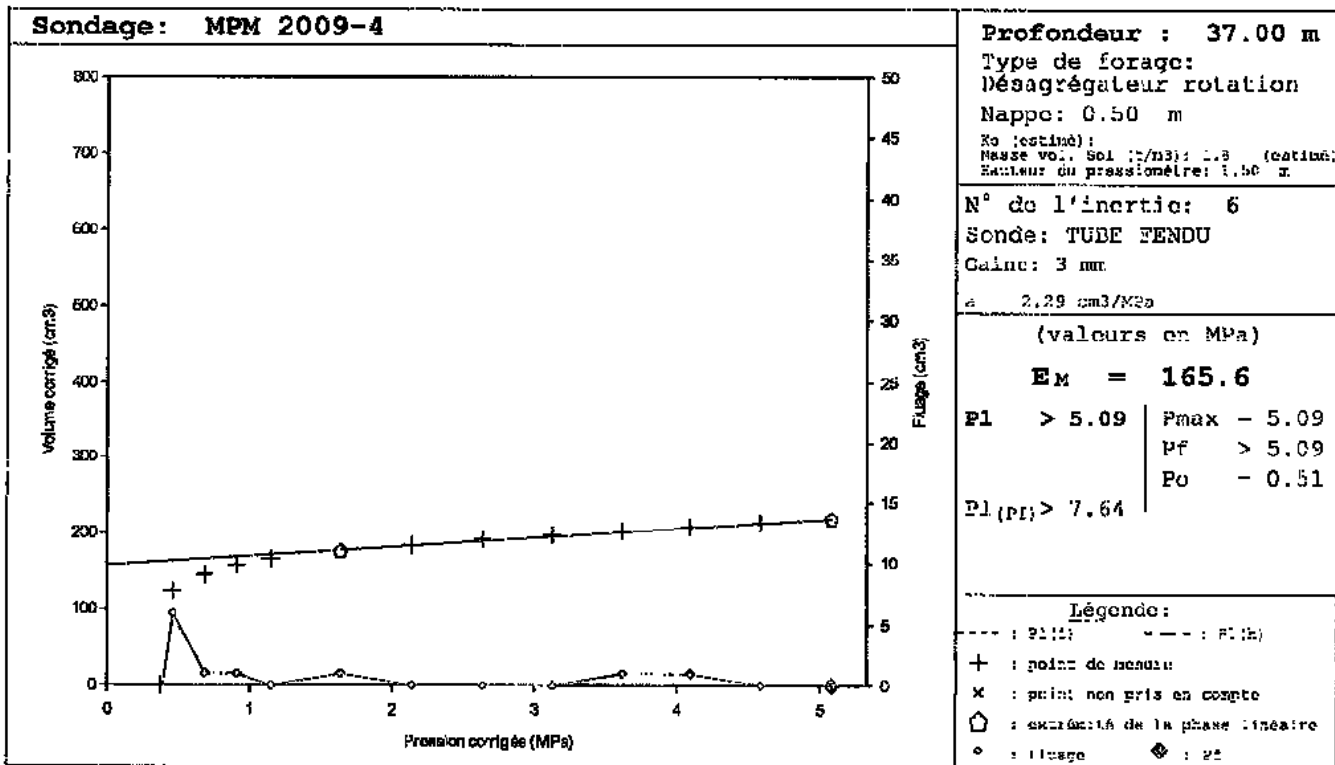
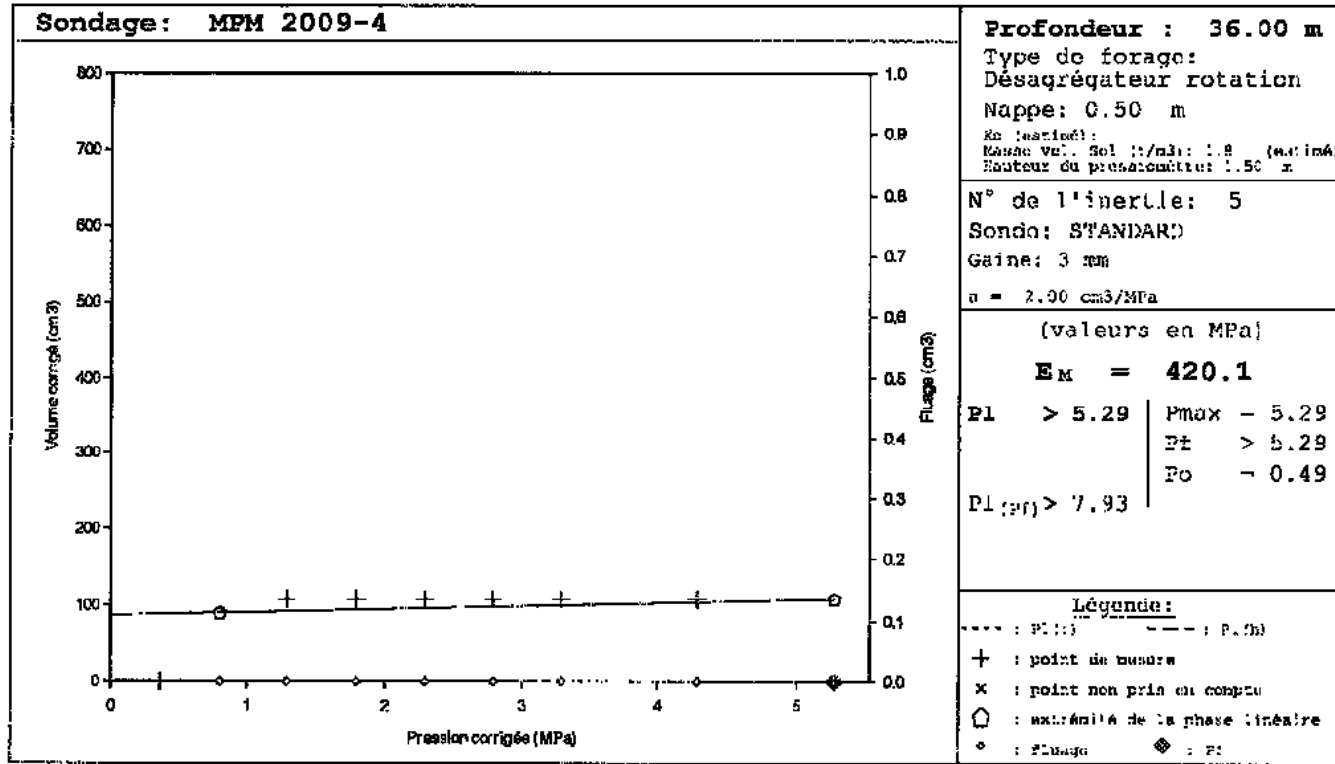
AFFAIRE N° : ML.100119	ESSAI PRESSIOMETRIQUE (NFP 94-110)
Affaire: SIZEWELL	
FONDASOL 290 rue des Galoubets BP 765 84140 MONTFAVET	Programme: W-Pressio Version : 1.1 Fichier : P10 Dernière mise à jour: 22/12/2010 16:47:13



AFFAIRE N° : ML.100119	ESSAI PRESSIOMETRIQUE (NFP 94-110)
Affaire: SIZEWELL	
FONDASOL 290 rue des Galoubets BP 765 84140 MONTFAVET	Programme: W-Pressao Version : 1.1 Fichier : P10 Dernière mise à jour: 22/12/2010 16:47:13



AFFAIRE N° : ML.100119	ESSAI PRESSIOMETRIQUE (NFP 94-110)
Affaire: SIZEWELL	
FONDASOL, 290 rue des Galoubets BP 765 84140 MONTFAVEY	Programme: W-Pressio Version : 1.1 Fichier : P10 Dernière mise à jour: 22/12/2010 16:47:13



AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

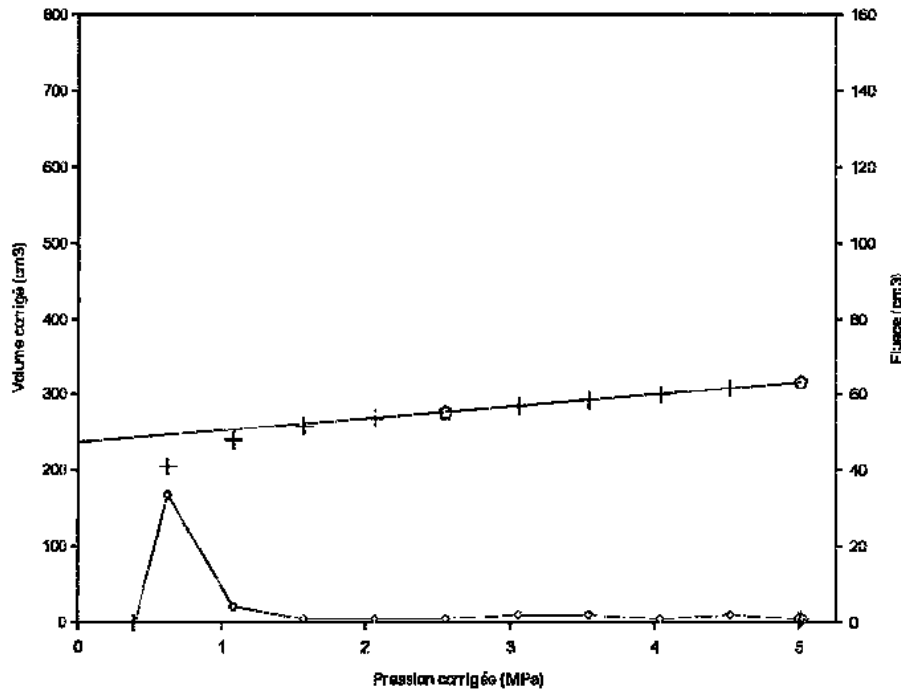
Affaire: SIZEWELL

PONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P10
Dernière mise à jour:
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Sondage: MPM 2009-4



Profondeur : 38.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ testé:
Masse vol. SOL (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: 3 mm

a = 2.29 cm³/MPa

(valeurs en MPa)

E_M = 143.3

P₁ > 5.03 | P_{max} = 5.03

P_f > 5.03

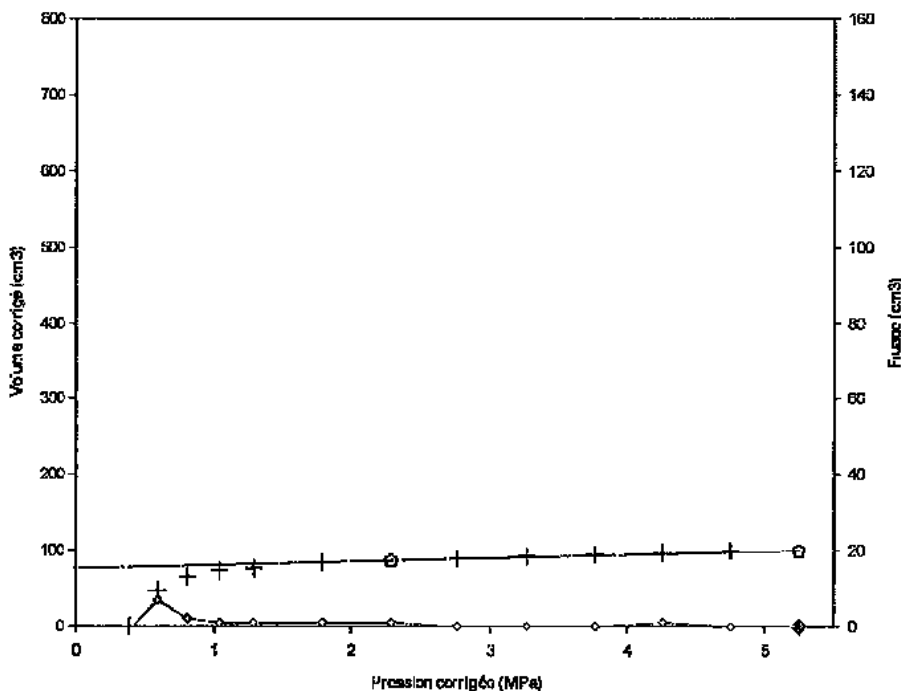
P₀ = 0.52

P₁ (P₁) > 7.54

Légende:

- : P₁(t)
- - - : P₁(B)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P_f

Sondage: MPM 2009-4



Profondeur : 39.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ testé:
Masse vol. SOL (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: 3 mm

a = 2.29 cm³/MPa

(valeurs en MPa)

E_M = 365.7

P₁ > 5.25 | P_{max} = 5.25

P_f > 5.25

P₀ = 0.53

P₁ (P₁) > 7.86

Légende:

- : P₁(t)
- - - : P₁(B)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

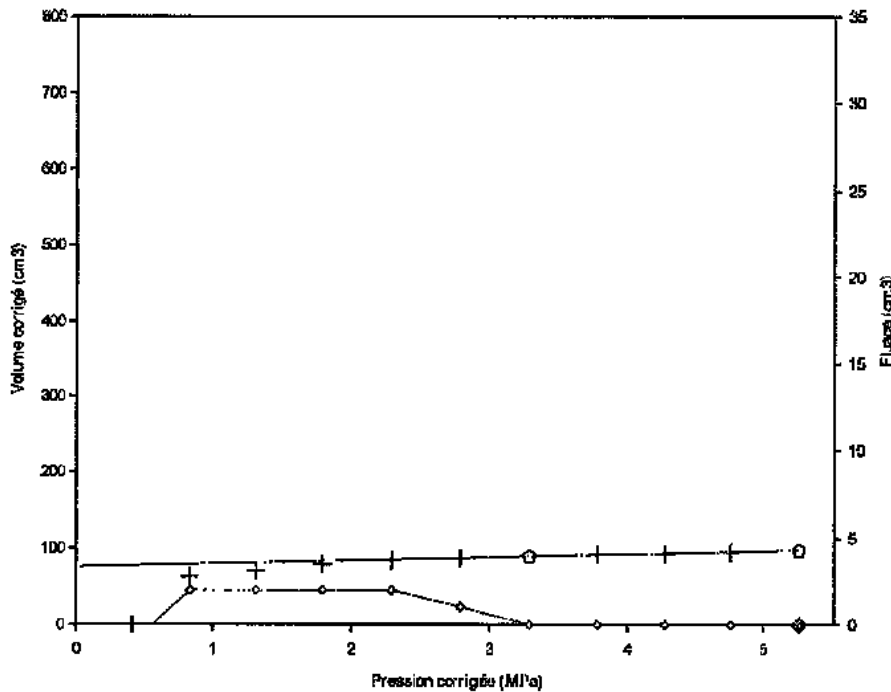
Affaire: SIZEWELL

Programme: W-Pressio
Version : 1.1

FONDASOL
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BP 765
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Fichier : P10
Dernière mise à jour:
22/12/2010 16:47:13

Sondage: MPM 2009-4

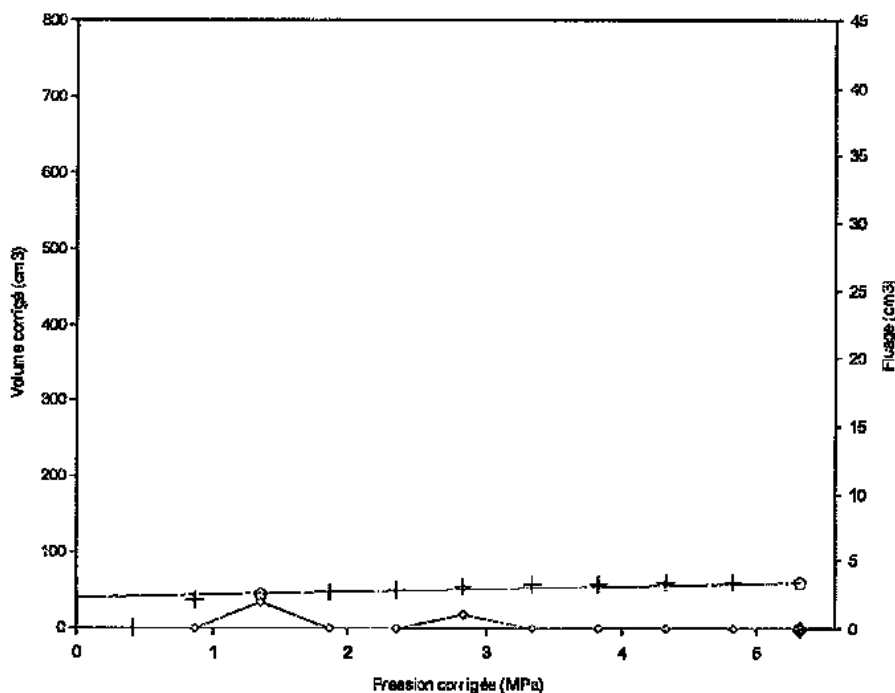


Profondeur : 40.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: 3 mm
a = 2.29 cm³/MPa
(valeurs en MPa)
E_M = 463.7
P1 > 5.27 | Pmax = 5.27
P1 > 5.27 | Pf > 5.27
P1 > 5.27 | Po = 0.55
P1(P2) > 7.90

Légende:
--- : P1(a) -.- : P1(b)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
◊ : fluage ◆ : P1

Sondage: MPM 2009-4



Profondeur : 41.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: 3 mm
a = 2.29 cm³/MPa
(valeurs en MPa)
E_M = 408.4
P1 > 5.33 | Pmax = 5.33
P1 > 5.33 | Pf > 5.33
P1 > 5.33 | Po = 0.56
P1(P2) > 7.99

Légende:
--- : P1(a) -.- : P1(b)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
◊ : fluage ◆ : P1

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

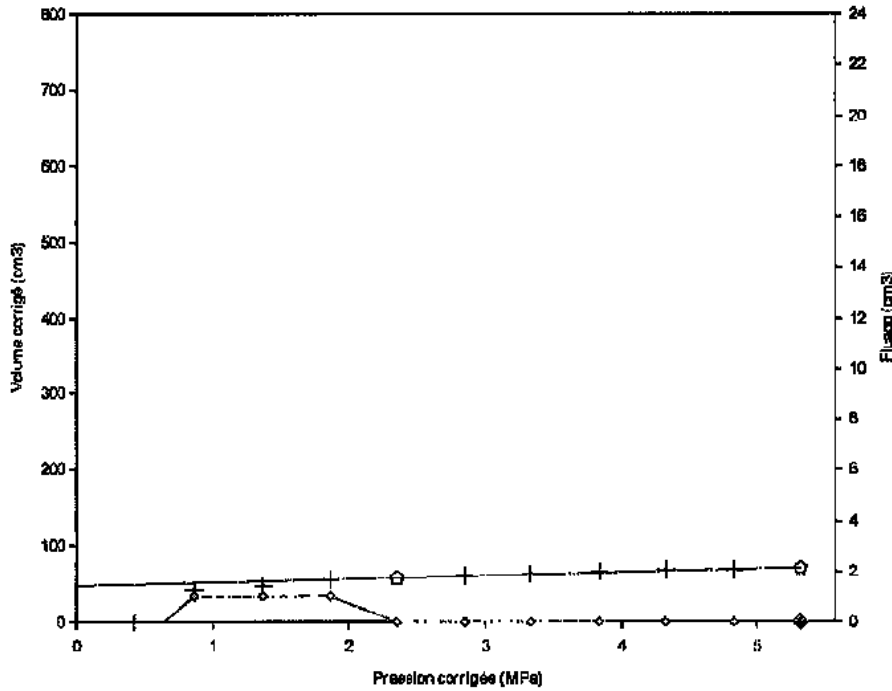
Affaire: SIXEWELL

Programme: W-Pressio
Version : 1.1

FONDASOI,
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P10
Dernière mise à jour:
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Sondage: MPM 2009-4



Profondeur : 42.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
Ko (estimé):
Masse Vol. Sol (t/m³): 1.4 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 6

Sonde: TUBE FENDU

Gaine: 3 mm

a = 2.29 cm³/MPa

(valeurs en MPa)

EM = 406.9

Pl > 5.33 | Pmax = 5.33

Pf > 5.33

Ko = 0.57

Pl (Pt) > 7.99

Légende:

--- : Pl(i) --- : Pl(h)

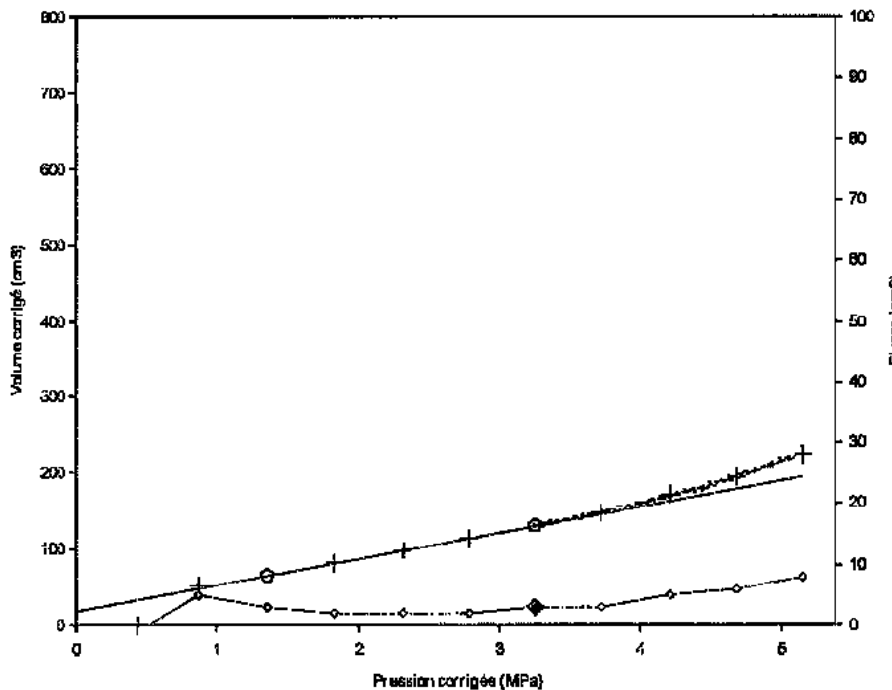
+ : point de mesure

x : point non pris en compte

⊠ : extrémité de la phase linéaire

○ : fluage ◆ : Pf

Sondage: MPM 2009-4



Profondeur : 43.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
Ko (estimé):
Masse Vol. Sol (t/m³): 1.3 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 6

Sonde: TUBE FENDU

Gaine: 3 mm

a = 2.29 cm³/MPa

(valeurs en MPa)

EM = 51.0

Pl = 6.88 | Pmax = 5.15

Pl (i) = 6.88 | Pf = 3.26

Pl (h) = 7.06 | Ko = 0.59

Pl (Pt) = 4.89

Légende:

--- : Pl(i) --- : Pl(h)

+ : point de mesure

x : point non pris en compte

⊠ : extrémité de la phase linéaire

○ : fluage ◆ : Pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

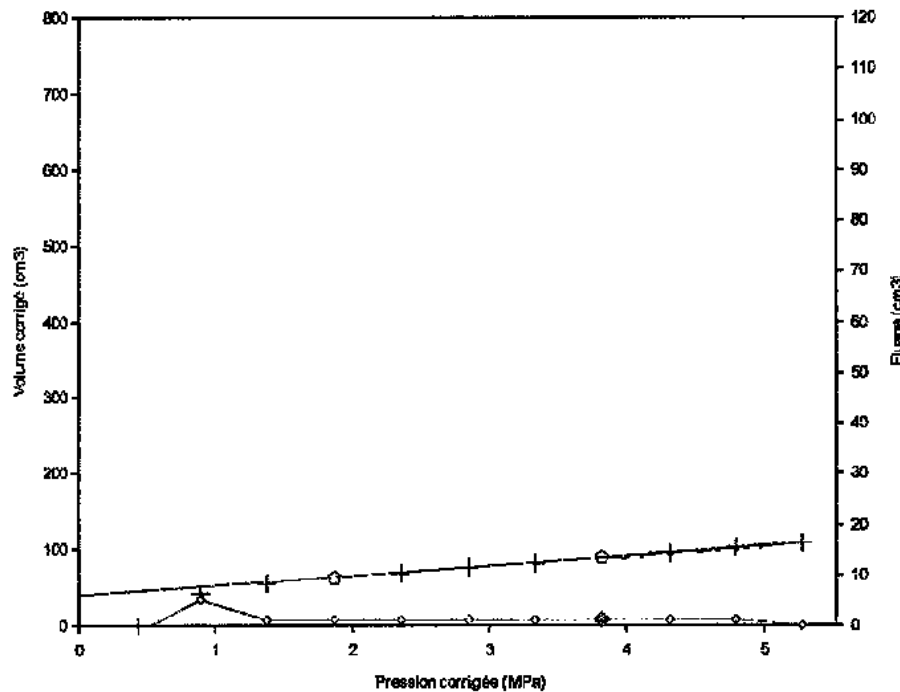
Affaire: STAEWELL

Programme: W-PRESSIC
Version : 1.1

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Fichier : P10
Dernière mise à jour:
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Sondage: MPM 2009-4



Profondeur : 44.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ testiné):
Masse vol. Sol (t/m³): 1.9 (testiné)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: 3 mm

a = 2.29 cm³/MPa

(valeurs en MPa)

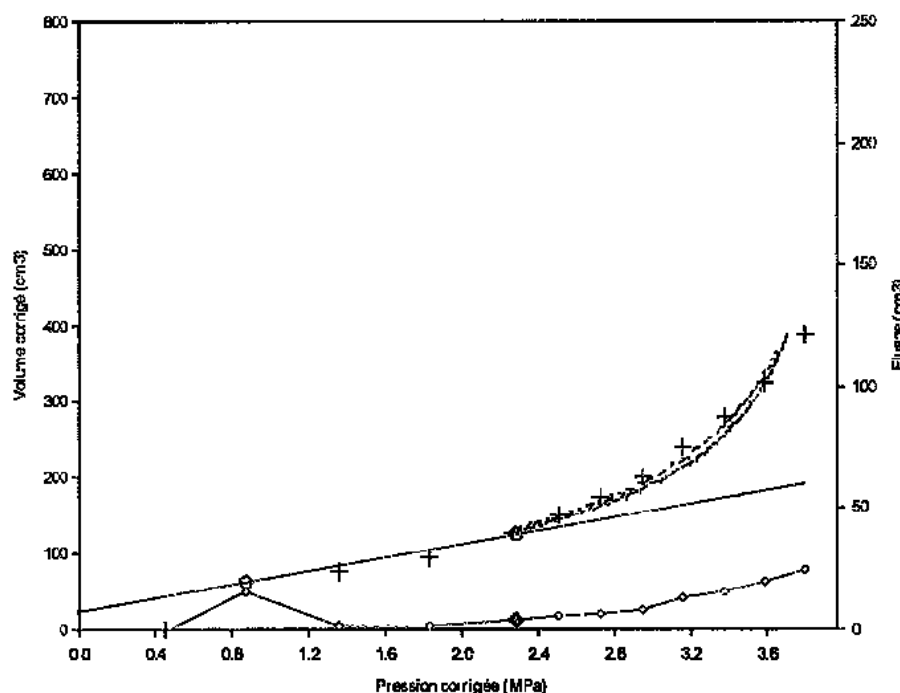
E_M = 130.4

P _l = 10.87	P _{max} = 5.29
P _l (i) = 10.87	P _f = 3.82
P _l (h) = 12.36	P ₀ = 0.60
P _l (pf) = 5.74	

Légende:

- : P_l(i) - - - : P_l(h)
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- o : fluage ⊙ : P_f

Sondage: MPM 2009-4



Profondeur : 45.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ testiné):
Masse vol. Sol (t/m³): 1.9 (testiné)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 6
Sonde: TUBE FENDU
Gaine: 3 mm

a = 2.29 cm³/MPa

(valeurs en MPa)

E_M = 39.2

P _l = 4.03	P _{max} = 3.80
P _l (i) = 4.03	P _f = 2.29
P _l (h) = 3.91	P ₀ = 0.62
P _l (pf) = 3.43	

Légende:

- : P_l(i) - - - : P_l(h)
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- o : fluage ⊙ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

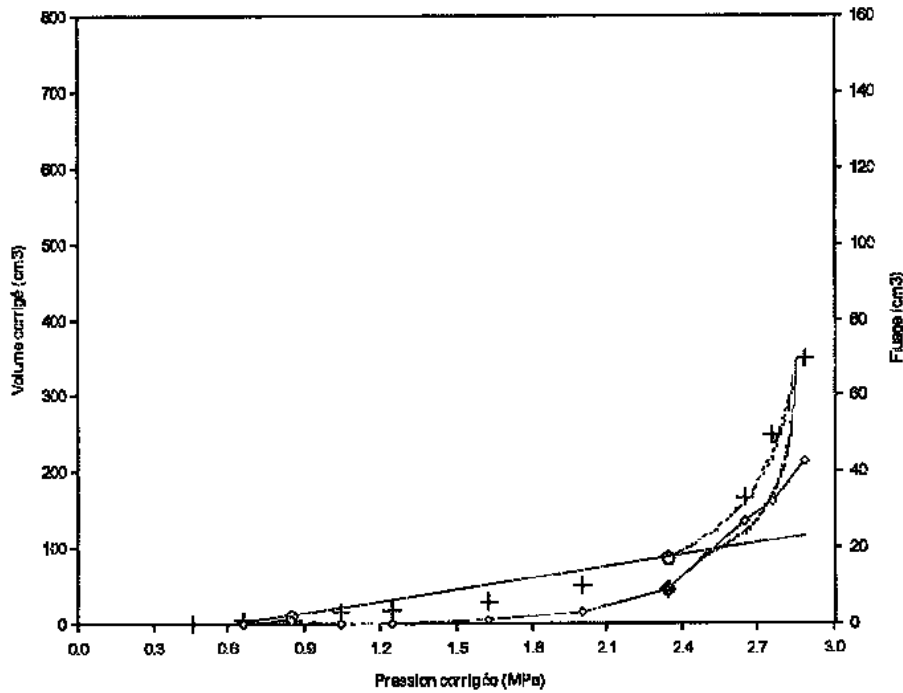
Affaire: SIZEWELG

Programme: W-PRESSIO
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P10
Dernière mise à jour:
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Sondage: MPM 2009-4



Profondeur : 46.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.9 (estimé)
Hauteur de pressiométrie: 1.50 m

N° de l'inertie: 6
Sonde: TUBE FINOU
Gaine: 3 mm

a = 2.29 cm³/MPa

(valeurs en MPa)

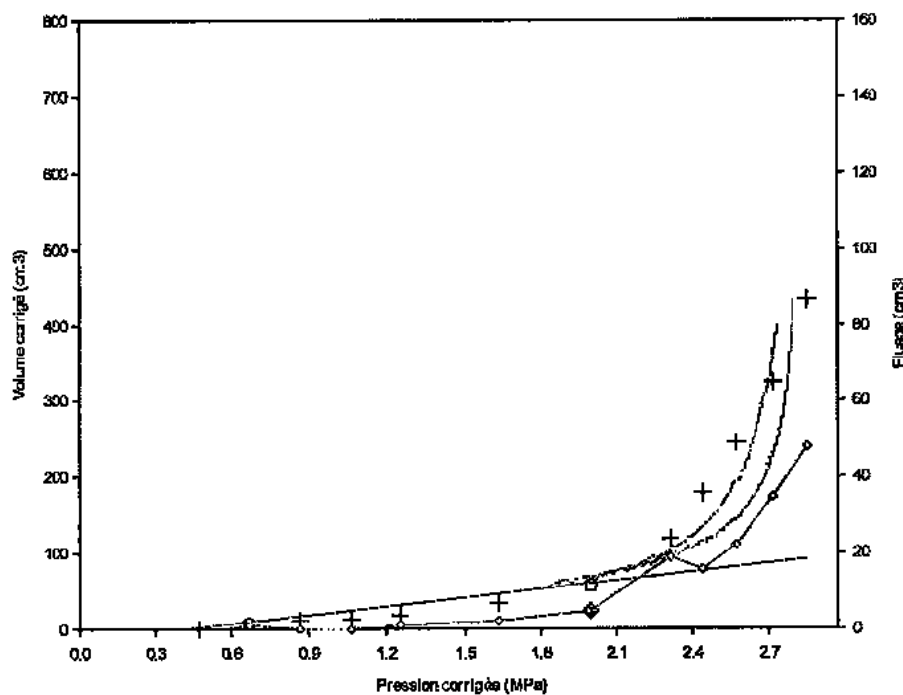
E_M = 31.4

P ₁ = 2.93	P _{max} = 2.89
P _{1(i)} = 2.93	P _f = 2.35
P _{1(h)} = 2.88	P ₀ = 0.63
P _{1(p)} = 3.52	

Légende:

--- : P_{1(i)} --- : P_{1(h)}
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : usage ◆ : P₁

Sondage: MPM 2009-4



Profondeur : 47.00 m
Type de forage:
Désagrégateur rotation
Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.9 (estimé)
Hauteur de pressiométrie: 1.50 m

N° de l'inertie: 6
Sonde: TUBE FINOU
Gaine: 3 mm

a = 2.29 cm³/MPa

(valeurs en MPa)

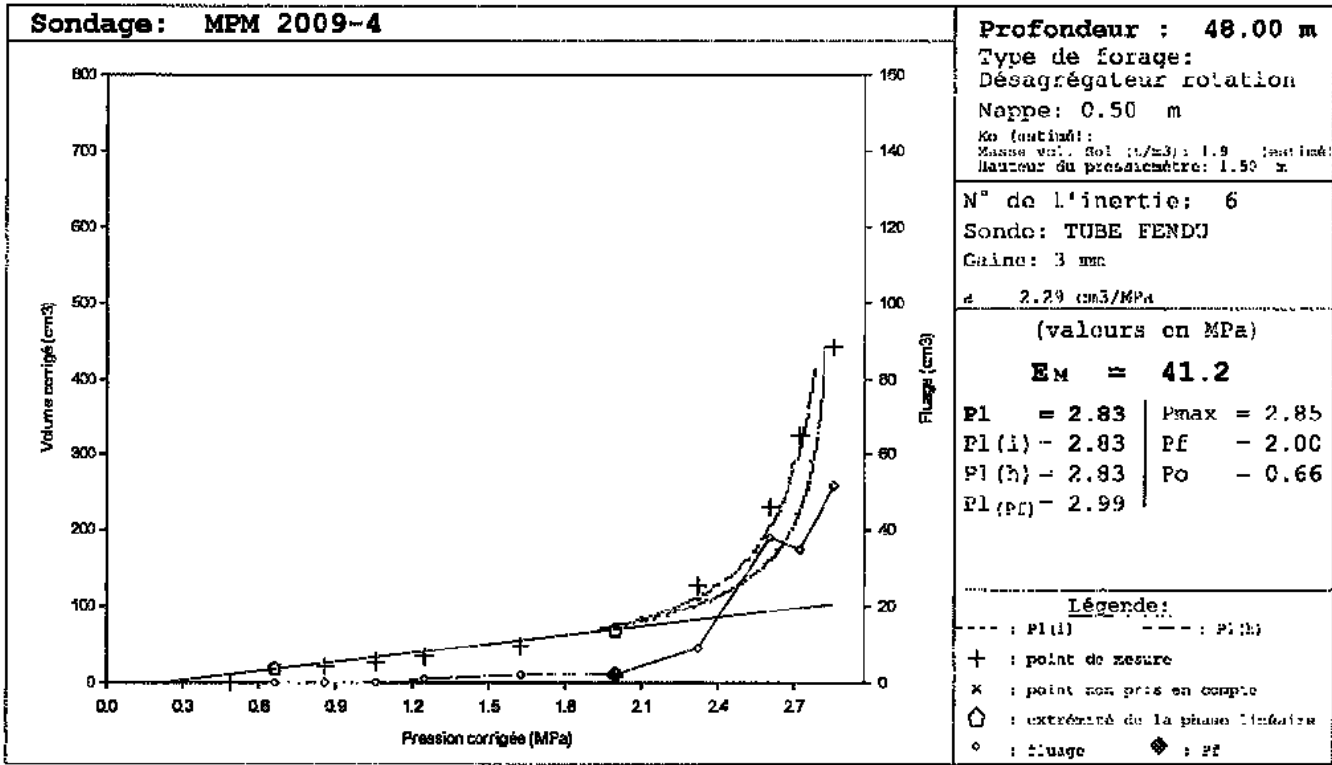
E_M = 41.5

P ₁ = 2.77	P _{max} = 2.85
P _{1(i)} = 2.77	P _f = 2.00
P _{1(h)} = 2.81	P ₀ = 0.64
P _{1(p)} = 3.00	

Légende:

--- : P_{1(i)} --- : P_{1(h)}
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : usage ◆ : P₁

AFFAIRE N° : ML.100119	ESSAI PRESSIOMETRIQUE (NFP 94-110)
Affaire: SIZEWELL	
FONDASOL 290 rue des Galoubets BP 765 84140 MONTEFVET	Programme: W-Pressio Version : 1.7 Fichier : P10 Dernière mise à jour: 22/12/2010 16:47:13



AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

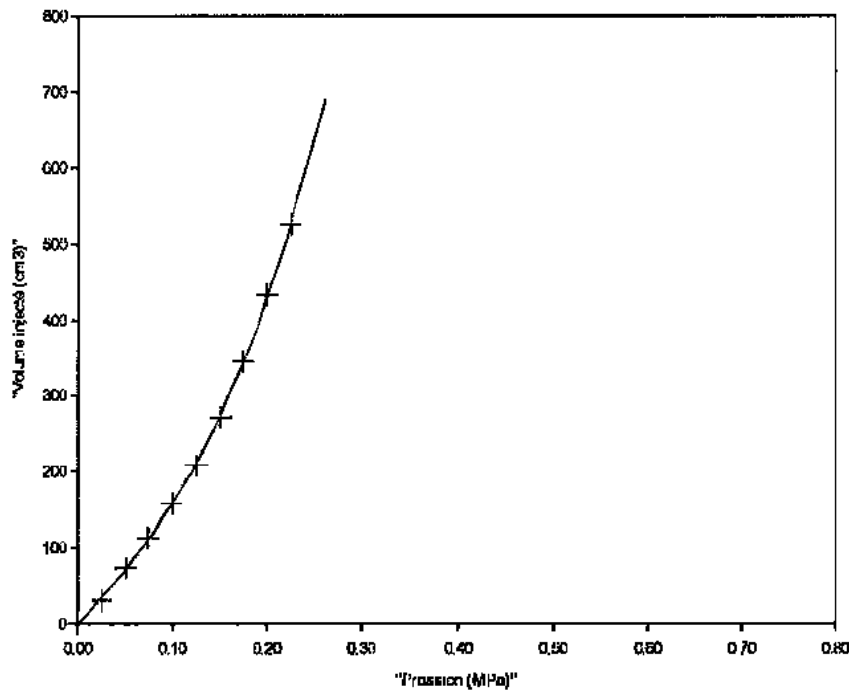
Affaire: SIZEWELL

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94140 MONTFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P10
Dernière mise à jour:
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ETALONNAGE N° 5



Type sonde :
STANDARD

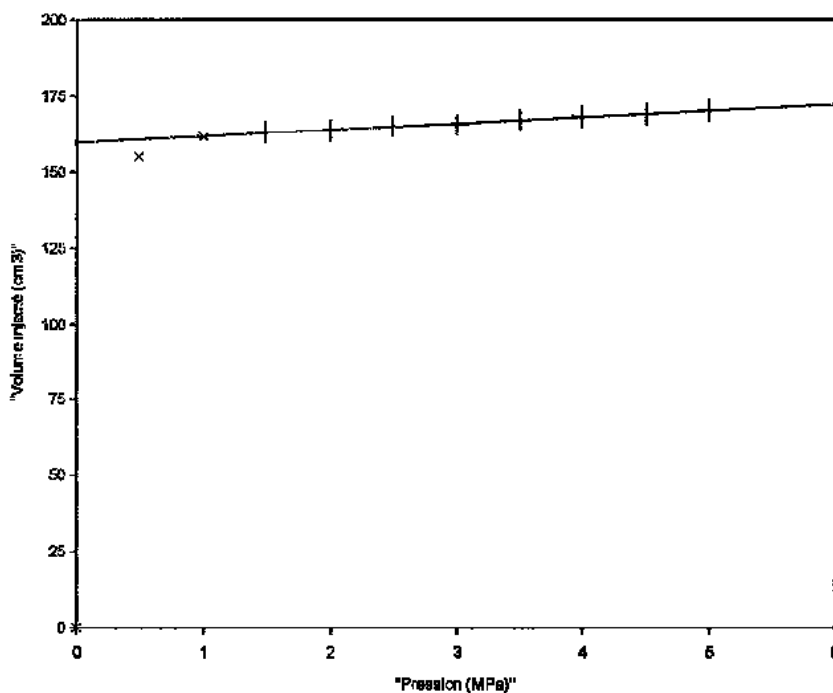
Gaine:
3 mm

Vs = 535 cm³

Conforme à la norme
NFP 94-110-1

Légende:
+ : point de mesure
x : point non pris en compte

CALIBRAGE N° 5



Type sonde :
STANDARD

Gaine:
3 mm

Vs = 535 cm³

Coef. de compressibilité:
a = 2.00 cm³/MPa

Conforme à la norme
NFP 94-110-1

Légende:
+ : point de mesure
x : point non pris en compte

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

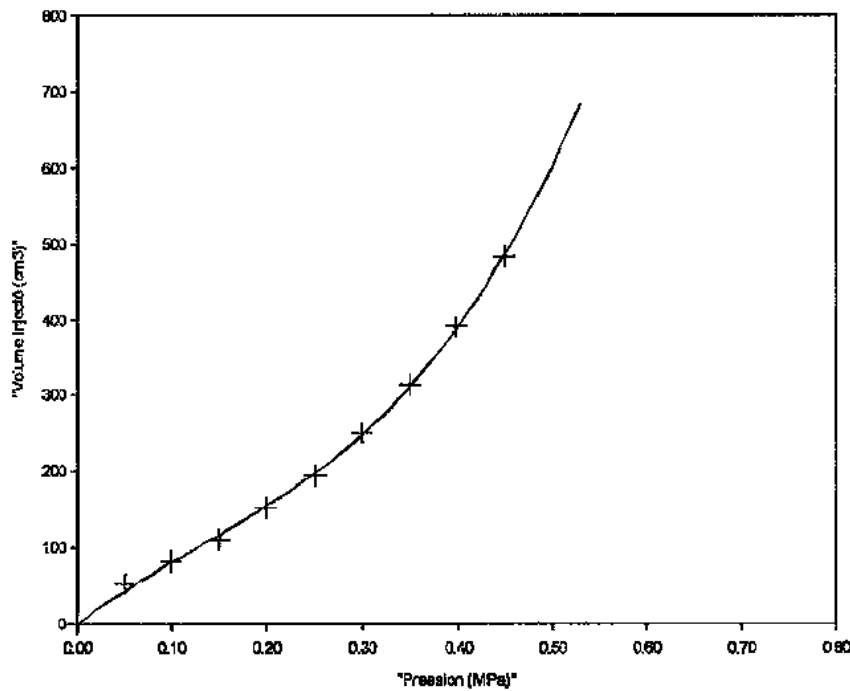
Affaire: SIZEWELL

Programme: W-Pressio
Version : 1.1

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Fichier : PIC
Dernière mise à jour:
22/12/2010 16:47:13

ETALONNAGE N° 6



Type sonde :
TUBE FENDU

Gaine:
3 mm

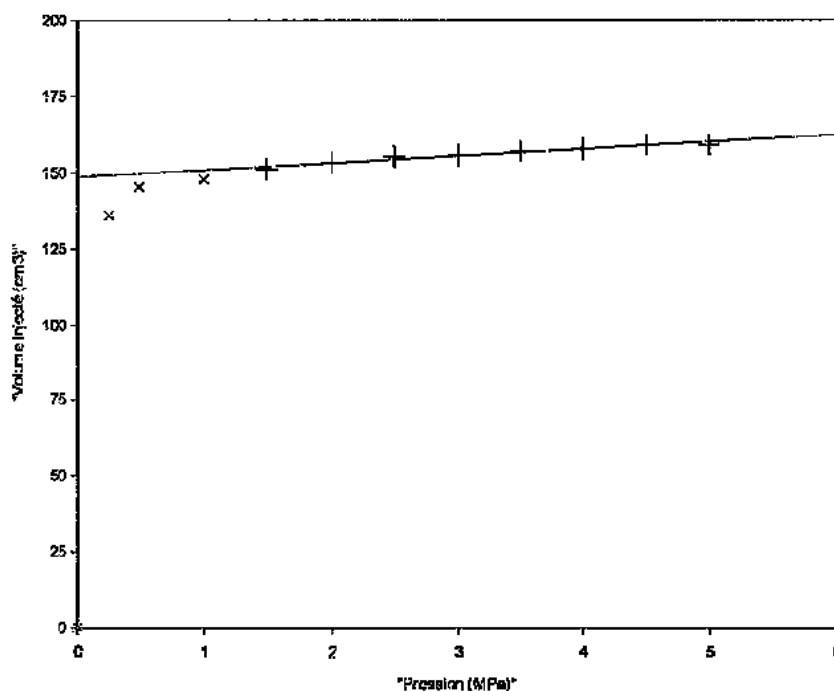
Vs = 560 cm³

Conforme à la norme
NFP 94-110-1

Légende:

• : point de mesure
x : point non pris en compte

CALIBRAGE N° 6



Type sonde :
TUBE FENDU

Gaine:
3 mm

Vs = 560 cm³

Coef. de compressibilité:
a = 2.29 cm³/MPa

Conforme à la norme
NFP 94-110-1

Légende:

• : point de mesure
x : point non pris en compte

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

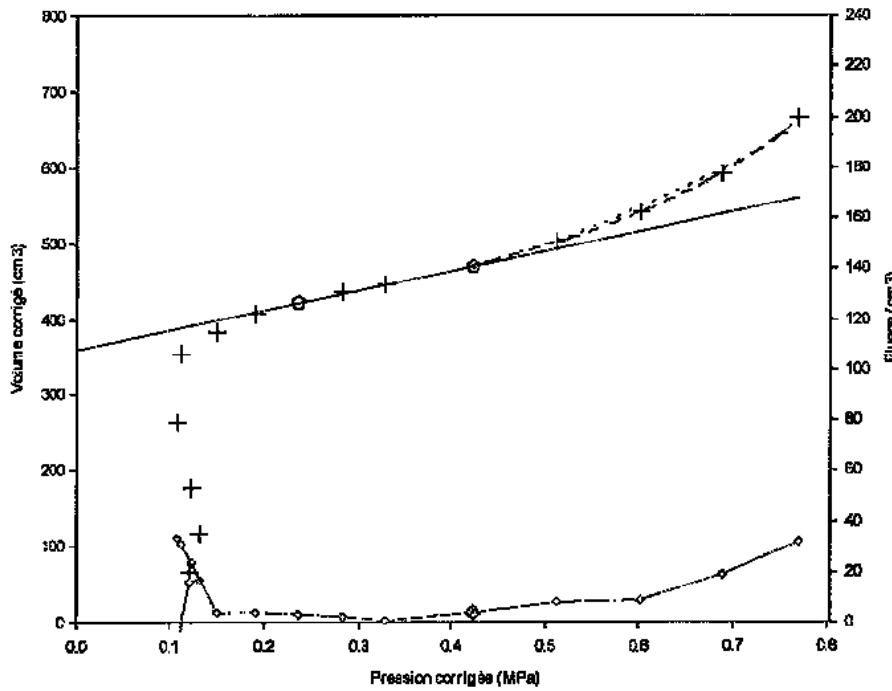
Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-Pressio
Version : 1.1

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BP 765
84140 MONTFAVET

Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM 2009-6



Profondeur : 10.00 m
Type de forage:
Tarière hélic. cont.
Nappe: 2.50 m
No (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

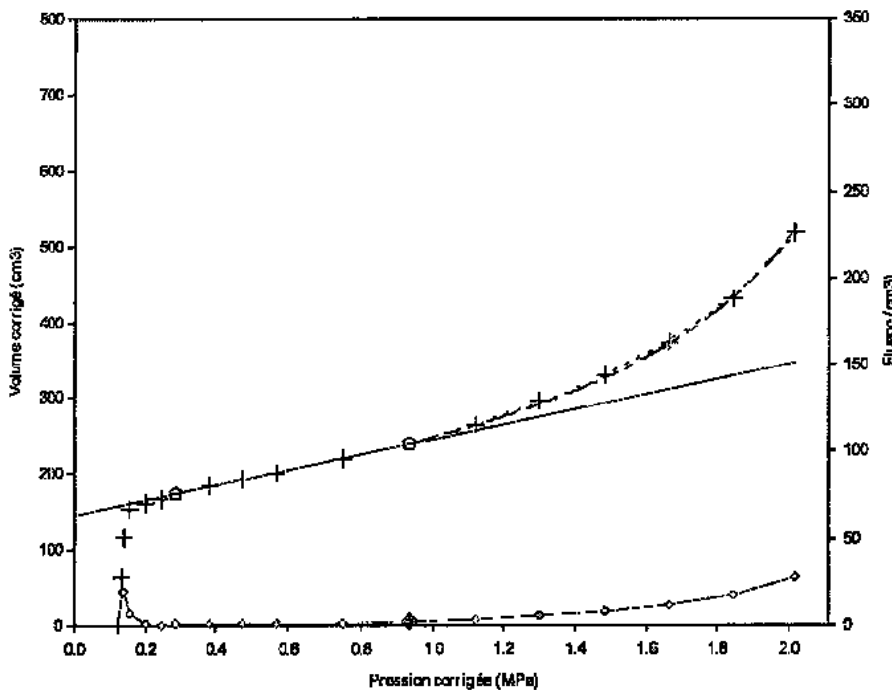
(valeurs en MPa)
 $E_M = 10.0$

Pl = 1.23	Pmax = 0.77
Pl(l) = 1.23	Pf = 0.42
Pl(h) = 1.00	Po = 0.13
Pl(pf) = 0.63	

Légende:

- : Pl(l) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- o : fluage ♦ : Pf

Sondage: MPM 2009-6



Profondeur : 11.00 m
Type de forage:
Tarière hélic. cont.
Nappe: 2.50 m
No (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 19.9$

Pl = 2.43	Pmax = 2.02
Pl(l) = 2.43	Pf = 0.94
Pl(h) = 2.29	Po = 0.14
Pl(pf) = 1.40	

Légende:

- : Pl(l) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- o : fluage ♦ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

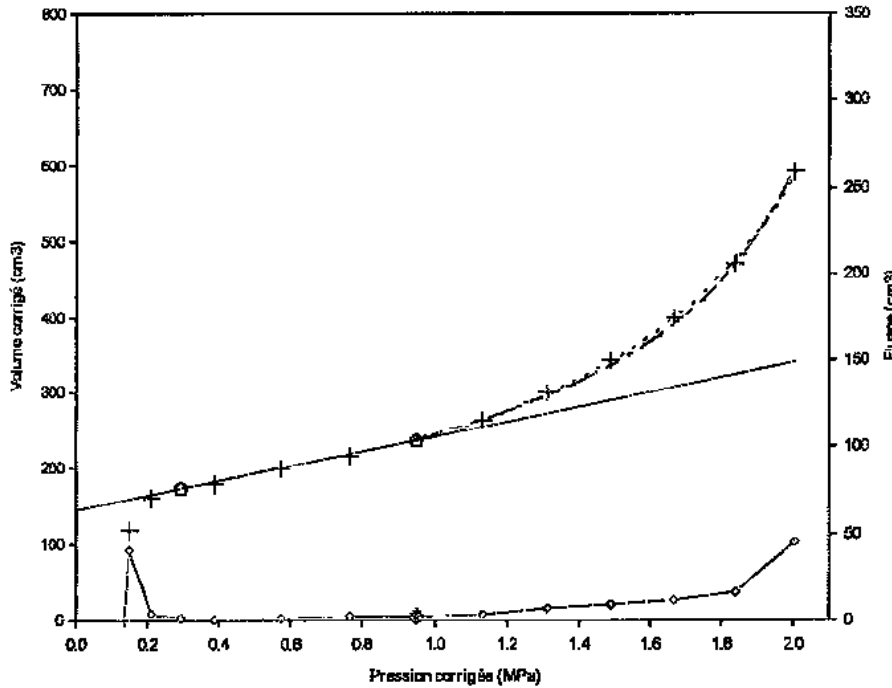
Affaire: SIZEWELL B - GROUND INVESTIGATION

FONDASOL
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84140 MONTFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM 2009-6



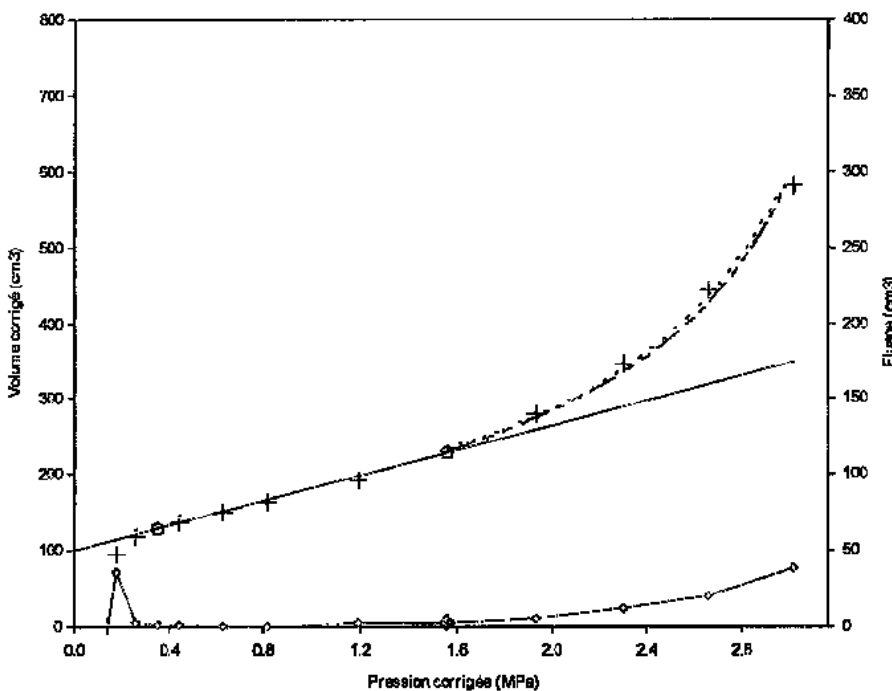
Profondeur : 12.00 m
Type de forage:
Tarière hélic. cont.
Nappe: 2.50 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_m = 20.1
P_l = 2.25 | P_{max} = 2.01
P_l(i) = 2.25 | P_f = 0.95
P_l(h) = 2.16 | P_o = 0.15
P_l(P_f) = 1.42

Légende:
--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◊ : P_f

Sondage: MPM 2009-6



Profondeur : 13.00 m
Type de forage:
Tarière hélic. cont.
Nappe: 2.50 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_m = 23.0
P_l = 3.26 | P_{max} = 3.02
P_l(i) = 3.26 | P_f = 1.56
P_l(h) = 3.18 | P_o = 0.17
P_l(P_f) = 2.34

Légende:
--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◊ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

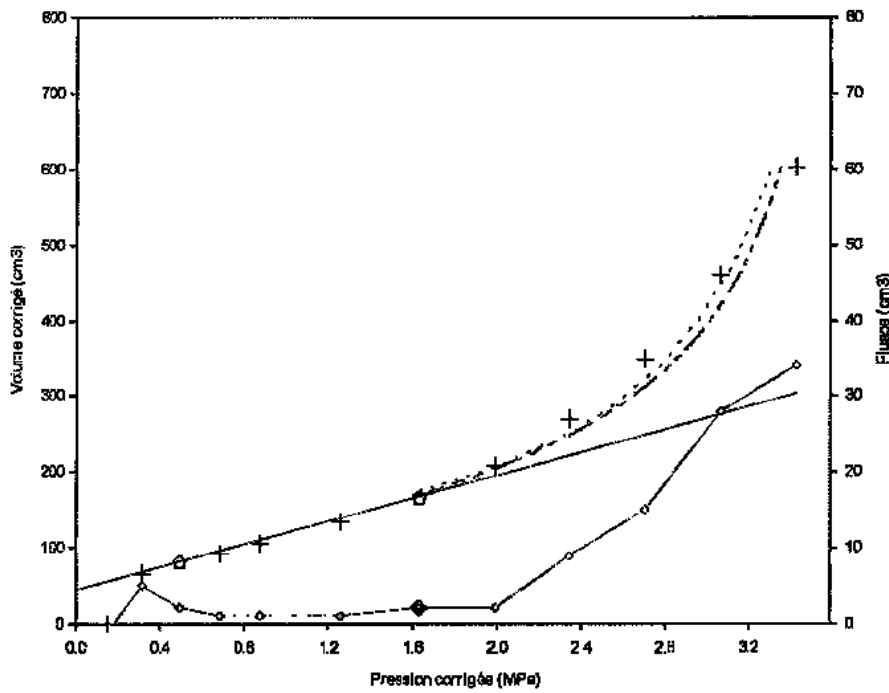
Affaire: SIZEWELL B - GROUND INVESTIGATION

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Sondage: MPM 2009-6



Profondeur : 14.00 m
Type de forage:
Tarière hélic. cont.
Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

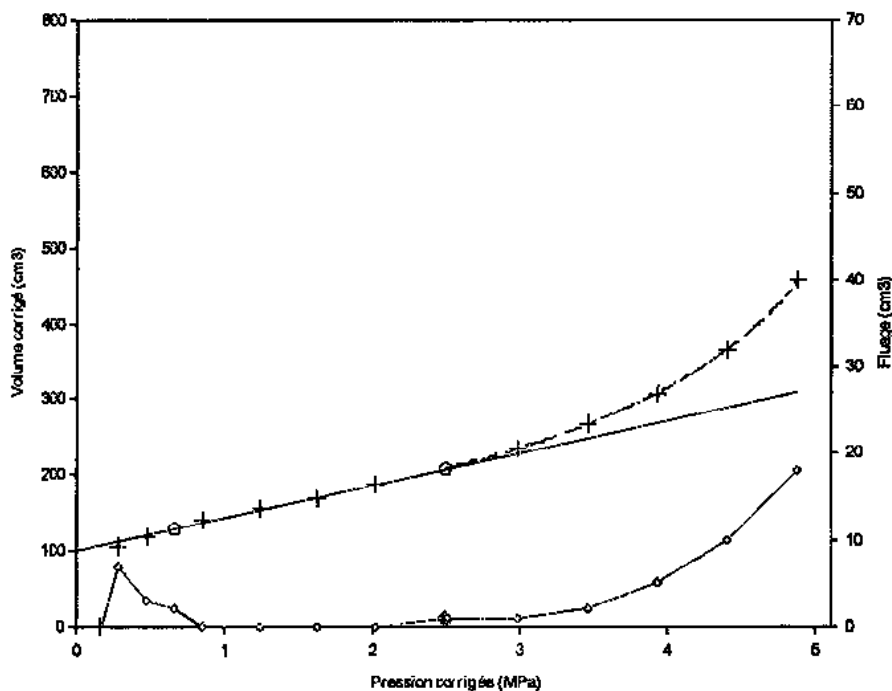
E_x = 23.2

P ₁ = 3.40	P _{max} = 3.42
P ₁ (i) = 3.40	P _f = 1.62
P ₁ (h) = 3.42	P ₀ = 0.18
P ₁ (PF) = 2.43	

Légende:

--- : P₁(i) - - - : P₁(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage

Sondage: MPM 2009-6



Profondeur : 15.00 m
Type de forage:
Tarière hélic. cont.
Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_x = 43.6

P ₁ = 5.83	P _{max} = 4.87
P ₁ (i) = 5.83	P _f = 2.50
P ₁ (h) = 5.54	P ₀ = 0.19
P ₁ (PF) = 3.75	

Légende:

--- : P₁(i) - - - : P₁(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

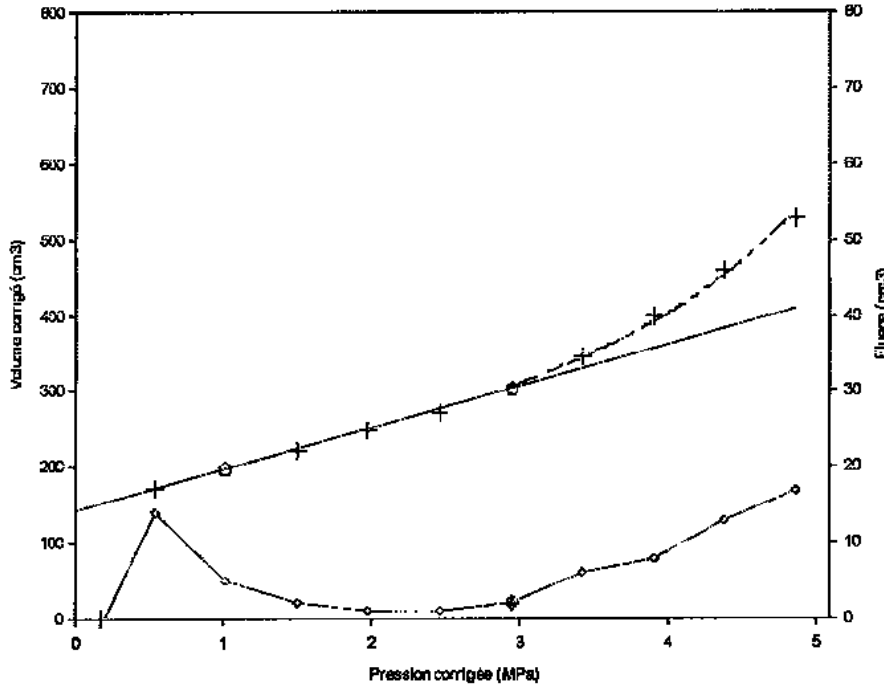
Affaire: SIZEWELL B - GROUND INVESTIGATION

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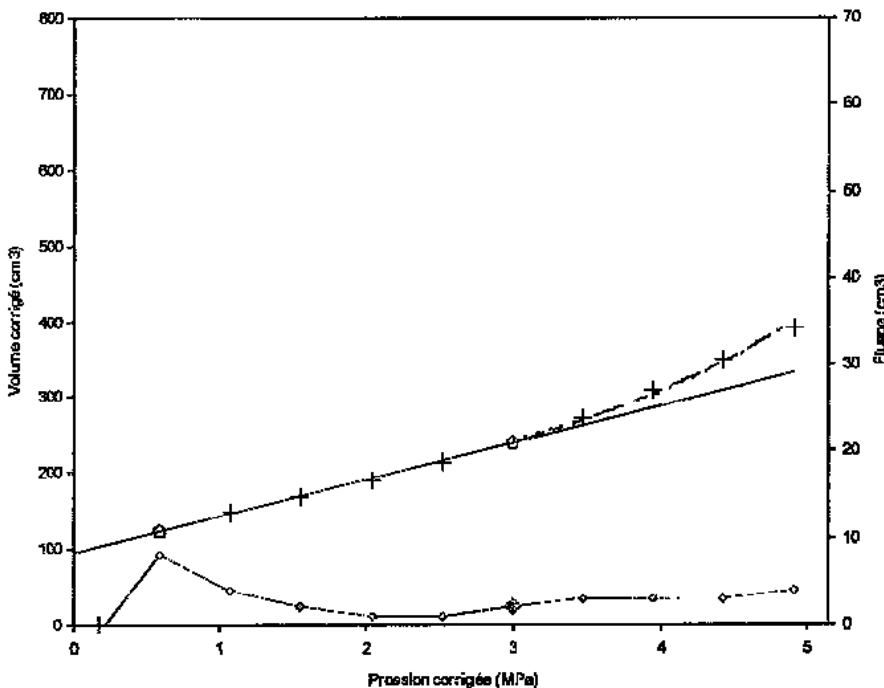
Profondeur : 16.00 m
Type de forage:
Tarière hélic. cont.
Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_M = 37.9
Pl = 6.00 | P_{max} = 4.86
Pl(i) = 6.00 | P_f = 2.94
Pl(h) = 5.75 | P_o = 0.21
Pl(P_f) = 4.42

Légende:
- - - : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ◇ : P_f

Sondage: MPM 2009-6



Profondeur : 17.00 m
Type de forage:
Tarière hélic. cont.
Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_M = 39.4
Pl = 6.52 | P_{max} = 4.92
Pl(i) = 6.52 | P_f = 2.99
Pl(h) = 6.27 | P_o = 0.22
Pl(P_f) = 4.49

Légende:
- - - : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ◇ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

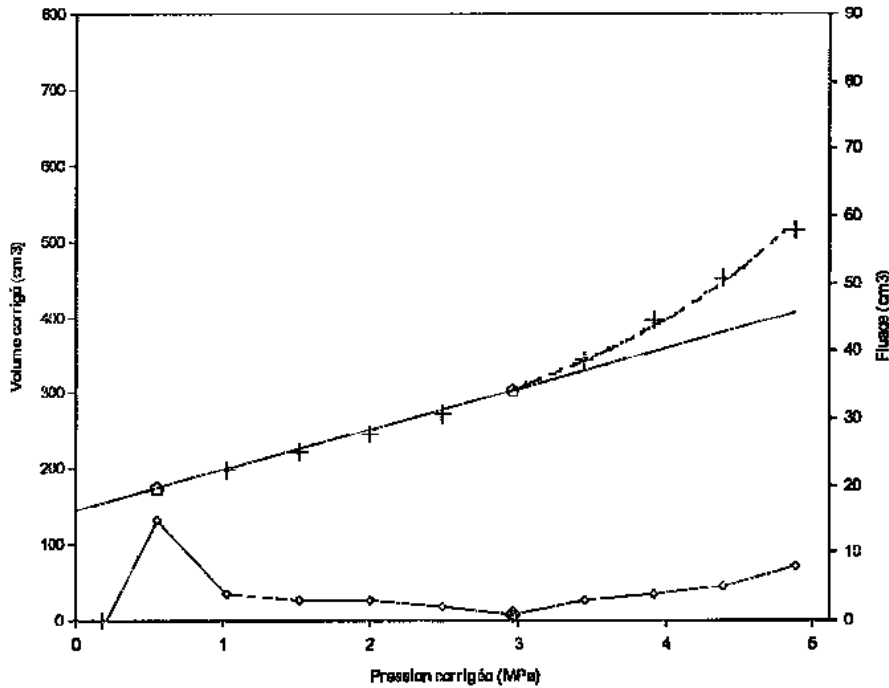
Affaire: SIZEWELL B - GROUND INVESTIGATION

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Profondeur : 18.00 m
Type de forage:
Tarière hélic. cont.
Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)

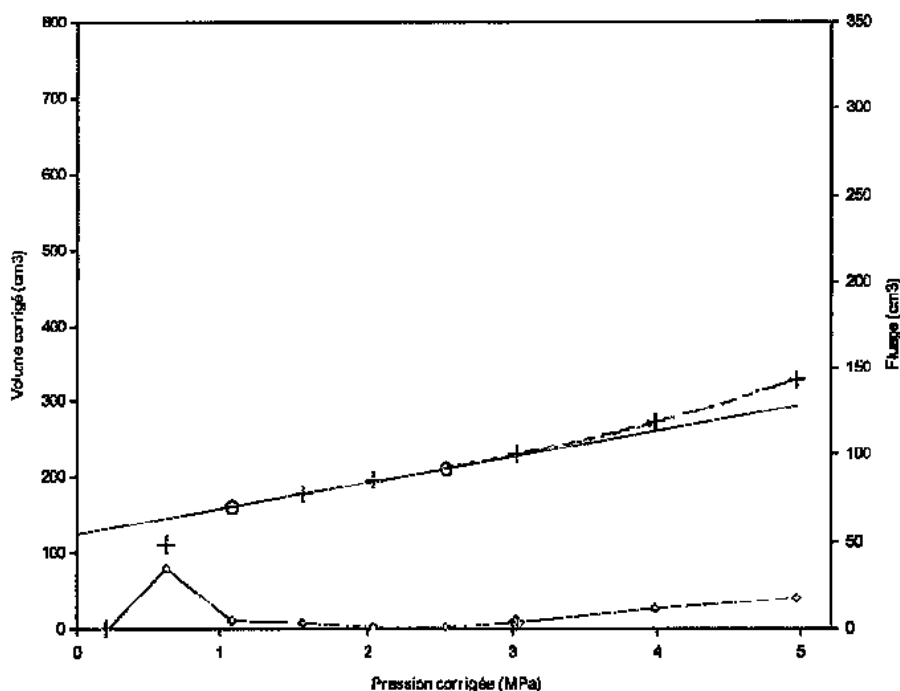
E_M = 38.5

P1 = 6.12	Pmax = 4.99
P1(i) = 6.12	Pf = 2.96
P1(h) = 5.78	Po = 0.23
P1(pf) = 4.45	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- o : Pf

Sondage: MPM 2009-6



Profondeur : 19.00 m
Type de forage:
Tarière hélic. cont.
Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)

E_M = 56.1

P1 = 7.76	Pmax = 4.96
P1(i) = 7.76	Pf = 3.02
P1(h) = 7.67	Po = 0.25
P1(pf) = 4.53	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- o : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

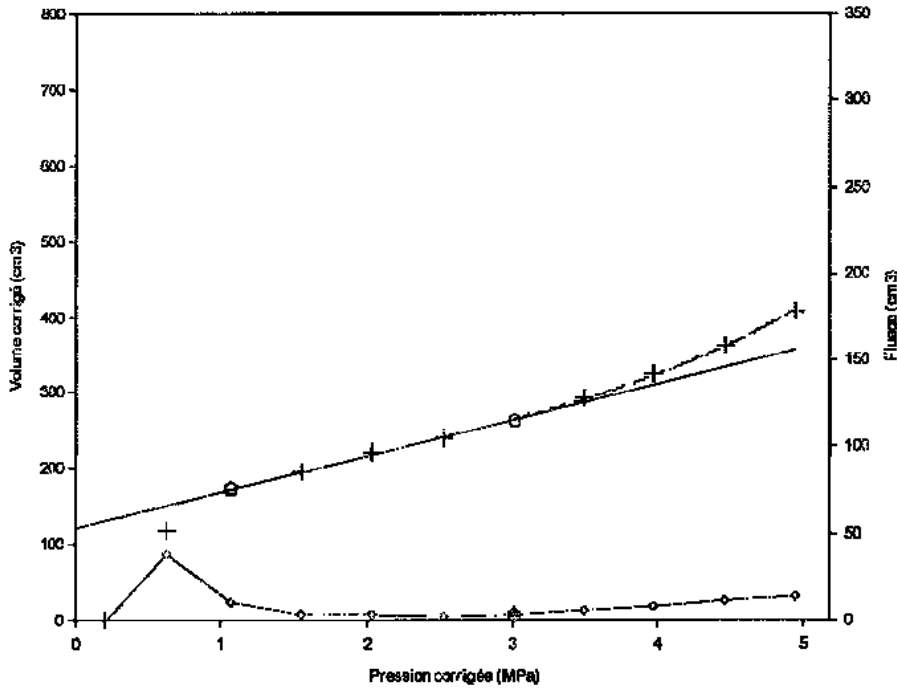
Affaire: SIZEWELL B - GROUND INVESTIGATION

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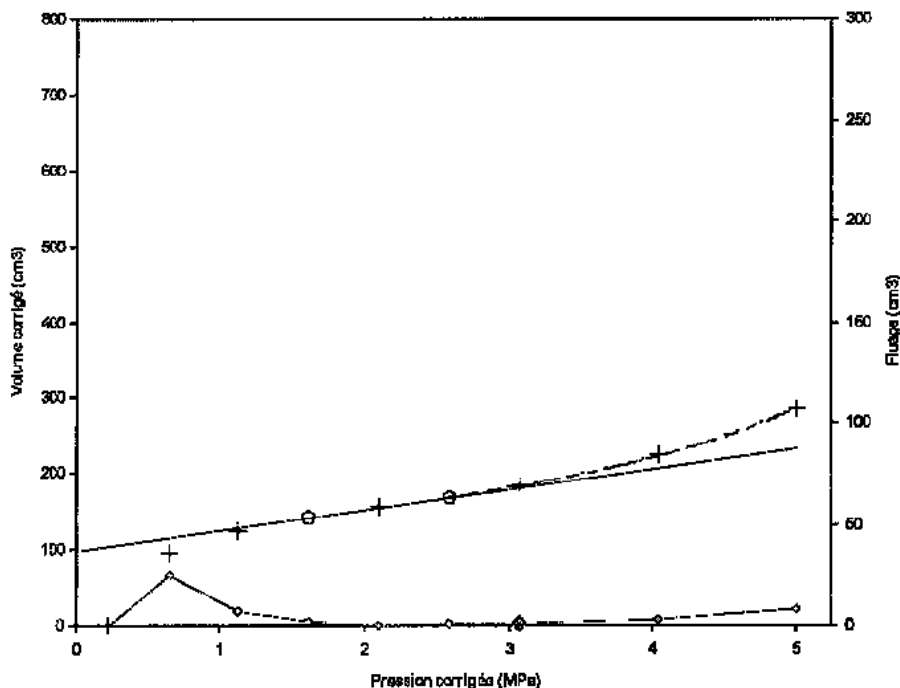
Profondeur : 20.00 m
Type de forage:
Tarière hélic. cont.
Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 42.3
P₁ = 7.05 | P_{max} = 4.94
P₁(i) = 7.05 | P_f = 3.01
P₁(h) = 6.56 | P_o = 0.26
P₁(pf) = 4.51

Légende:
- - - : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
o : fluage ♦ : Pf

Sondage: MPM 2009-6



Profondeur : 21.00 m
Type de forage:
Tarière hélic. cont.
Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 68.3
P₁ = 7.31 | P_{max} = 5.00
P₁(i) = 7.31 | P_f = 3.08
P₁(h) = 6.59 | P_o = 0.28
P₁(pf) = 4.61

Légende:
- - - : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
o : fluage ♦ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

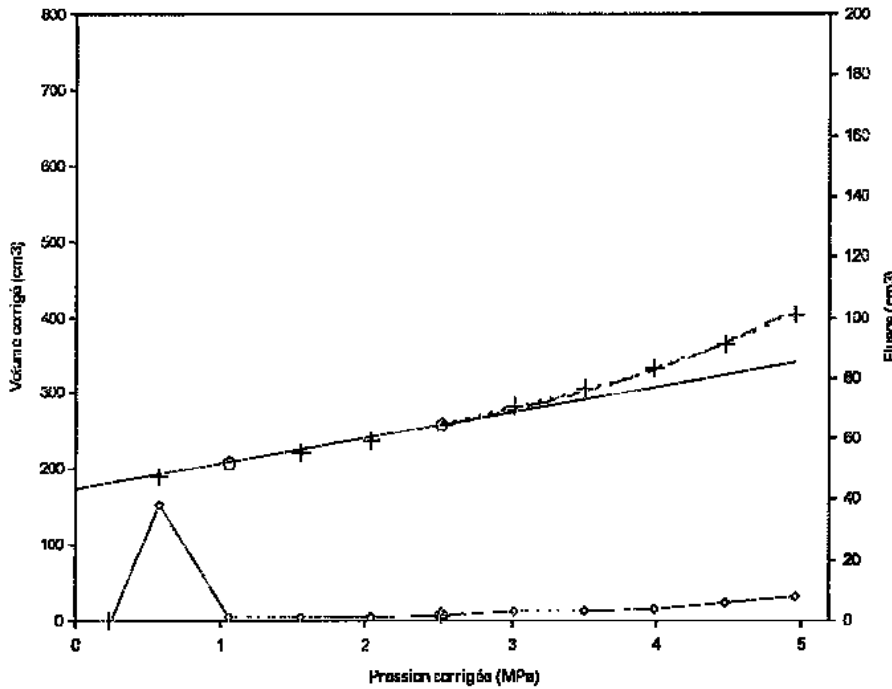
Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-Pressio
Version : 1.1

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Sondage: MPM 2009-6



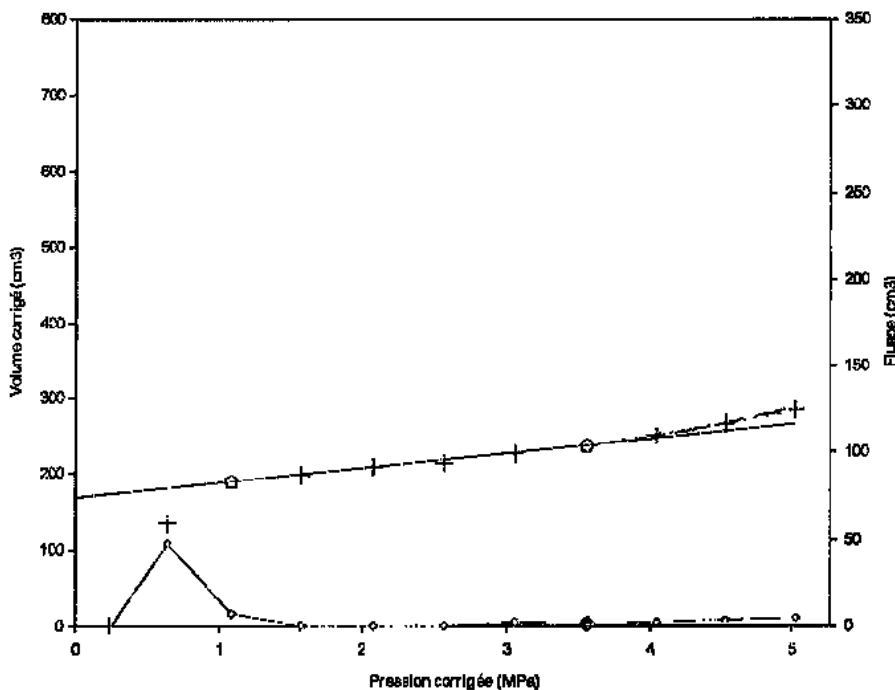
Profondeur : 22.00 m
Type de forage:
Tarière hélic. cont.
Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 60.2
Pl = 7.47 | E_{max} = 4.96
Pl(i) = 7.47 | Pf = 2.53
Pl(h) = 6.71 | Po = 0.29
Pl(Pf) = 3.79

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
△ : extrémité de la phase linéaire
o : fluage ◆ : Pf

Sondage: MPM 2009-6



Profondeur : 23.00 m
Type de forage:
Tarière hélic. cont.
Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 102.2
Pl = 10.17 | E_{max} = 5.02
Pl(i) = 10.17 | Pf = 3.55
Pl(h) = 7.43 | Po = 0.30
Pl(Pf) = 5.33

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
△ : extrémité de la phase linéaire
o : fluage ◆ : Pf

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

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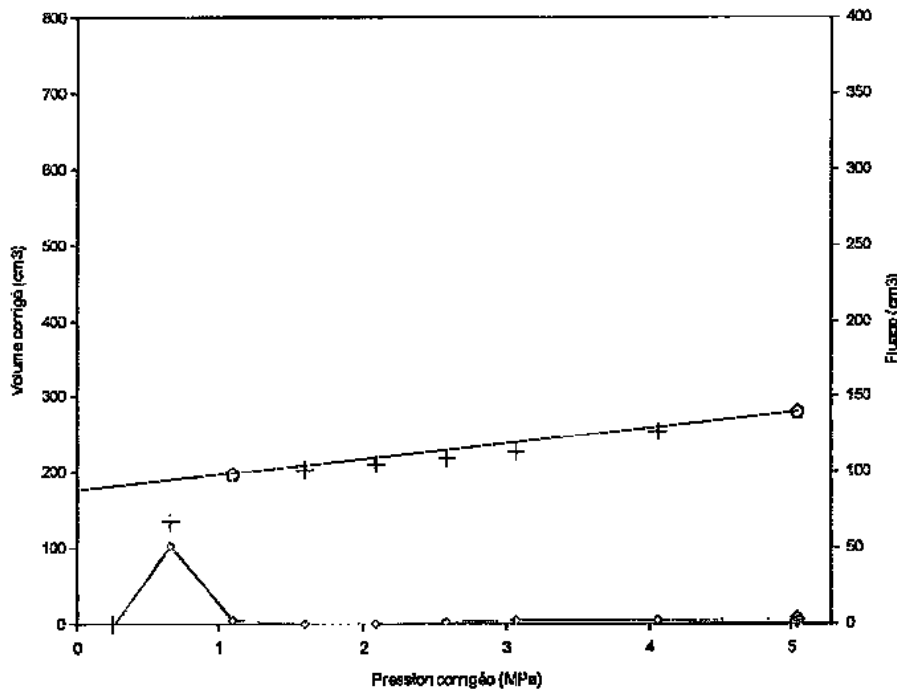
Programme: W-Pressio
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Profondeur : 24.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

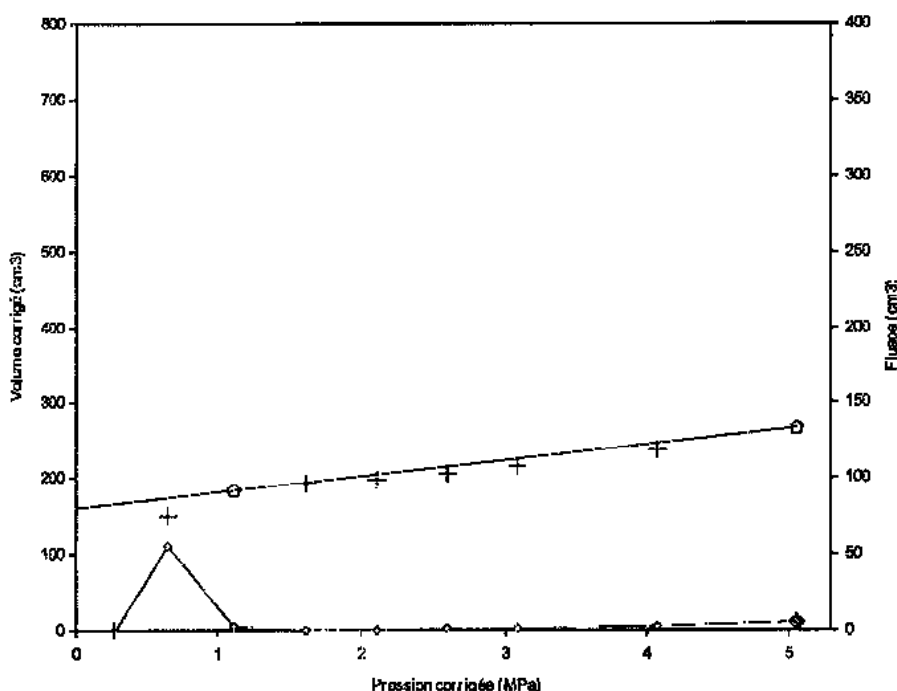
N° de l'inertie: 2
Sonde: STANDARD
Gain: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 99.4
P_l > 5.04 | P_{max} = 5.04
P_f > 5.04 | P_o = 0.32
P_l (vf) > 7.55

Légende:
- - - : P_l (l) - - - : P_l (h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage o : Pf

Sondage: MPM 2009-6

Profondeur : 25.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gain: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 98.7
P_l > 5.05 | P_{max} = 5.05
P_f > 5.05 | P_o = 0.33
P_l (vf) > 7.58

Légende:
- - - : P_l (l) - - - : P_l (h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage o : Pf

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

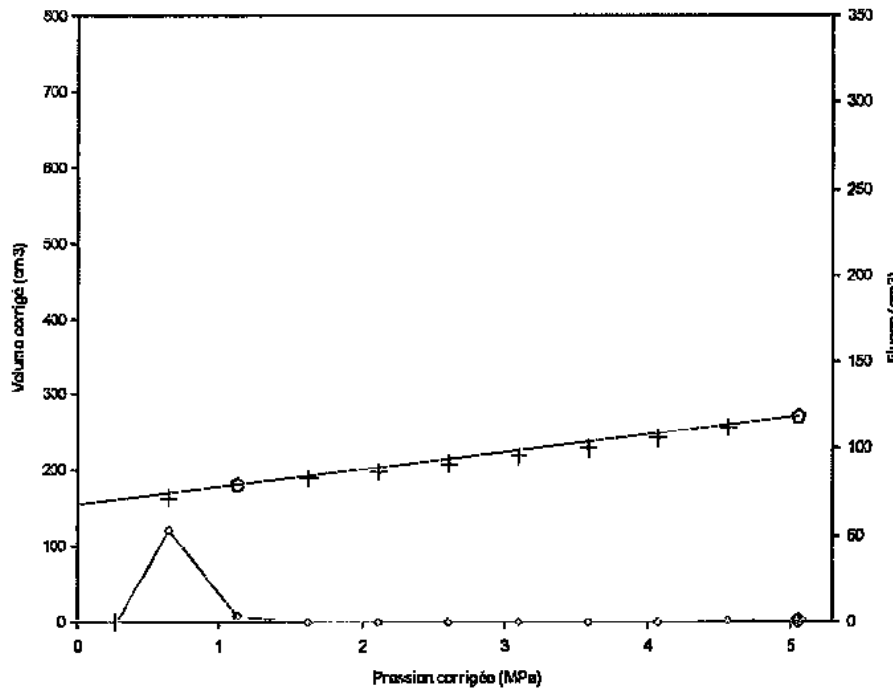
Affaire: SIZEWELL B - GROUND INVESTIGATION

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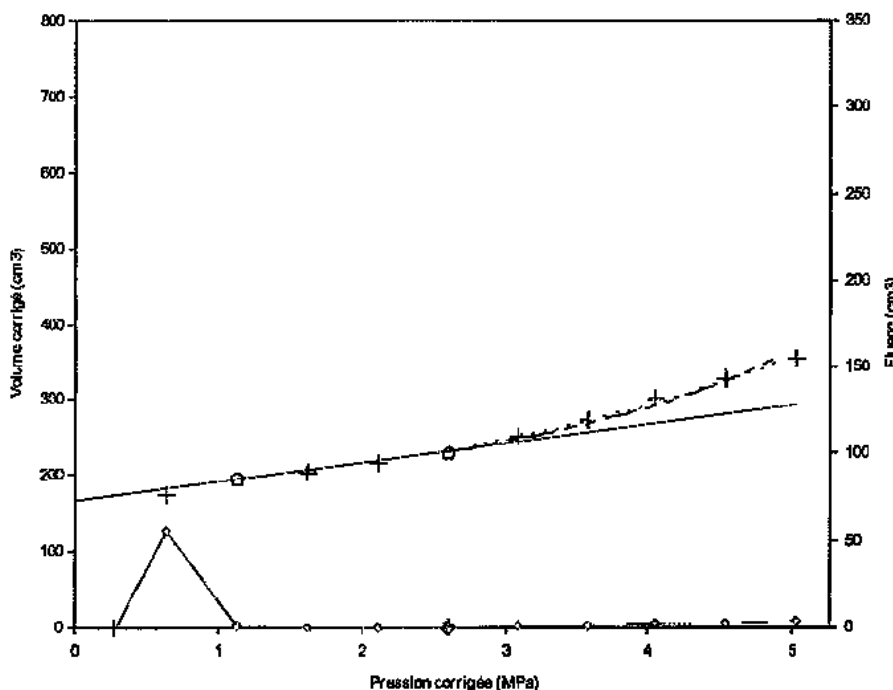
Profondeur : 26.00 m
Type de forage:
Tarière hélic. cont.
Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 89.8$
P1 > 5.06 | Pmax = 5.06
Pf > 5.06
Po = 0.34
P1 (Pf) > 7.59

Légende:
--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
o : fluage ◆ : Pf

Sondage: MPM 2009-6



Profondeur : 27.00 m
Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 79.5$
P1 = 7.75 | Pmax = 5.03
P1(i) = 7.75 | Pf = 2.60
P1(h) = 6.51 | Po = 0.36
P1 (Pf) = 3.90

Légende:
--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
o : fluage ◆ : Pf

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

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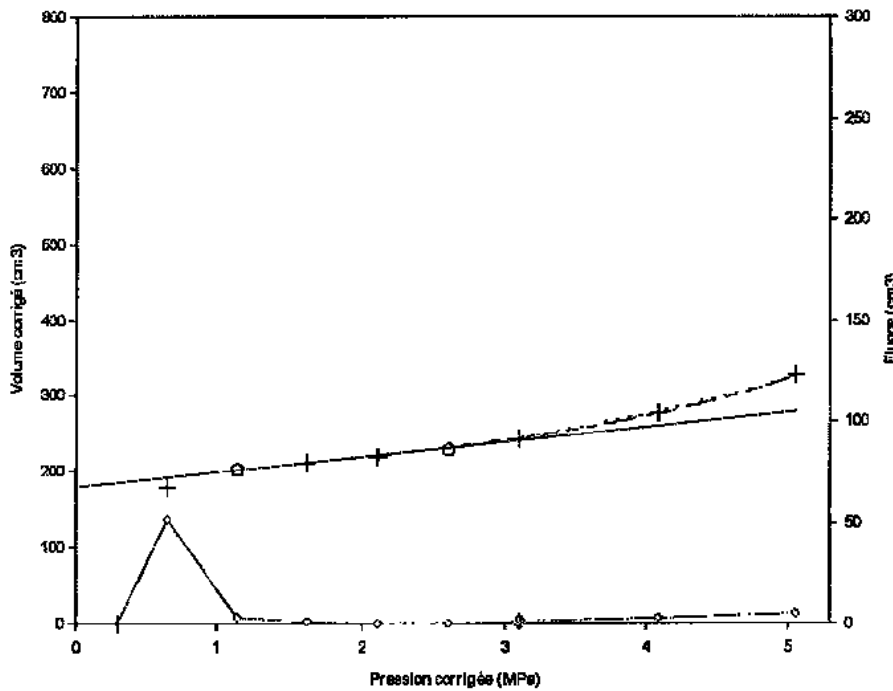
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Profondeur : 28.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

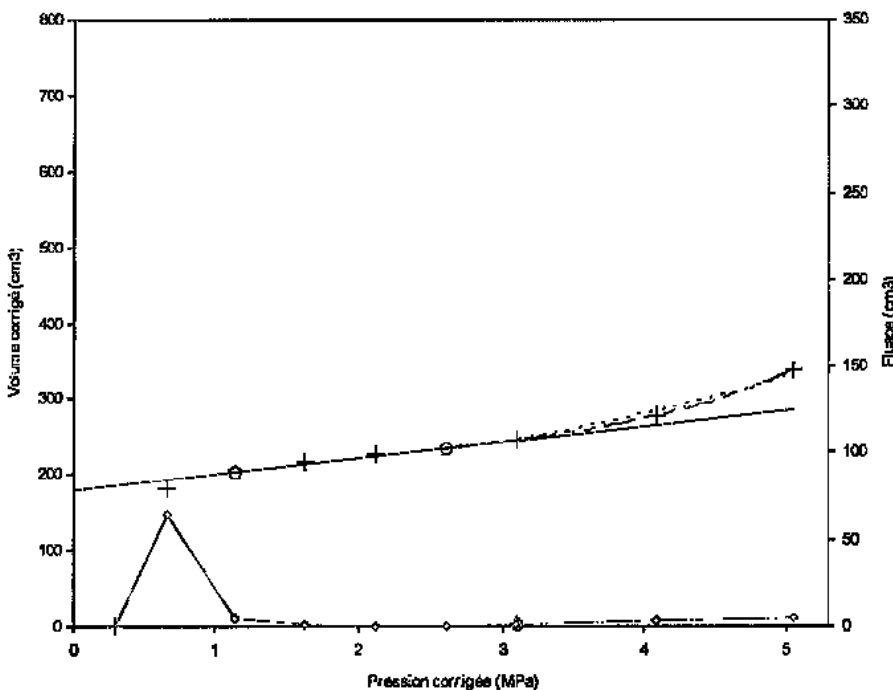
N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 102.6
P_l = 8.92 | P_{max} = 5.05
P_l(i) = 8.92 | P_f = 3.10
P_l(h) = 7.27 | P_o = 0.37
P_l(P_f) = 4.65

Légende:
- - - : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
△ : extrémité de la phase linéaire
o : fluage ◆ : P_f

Sondage: MPM 2009-6

Profondeur : 29.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 96.2
P_l = 8.80 | P_{max} = 5.06
P_l(i) = 8.80 | P_f = 3.11
P_l(h) = 6.38 | P_o = 0.39
P_l(P_f) = 4.66

Légende:
- - - : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
△ : extrémité de la phase linéaire
o : fluage ◆ : P_f

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

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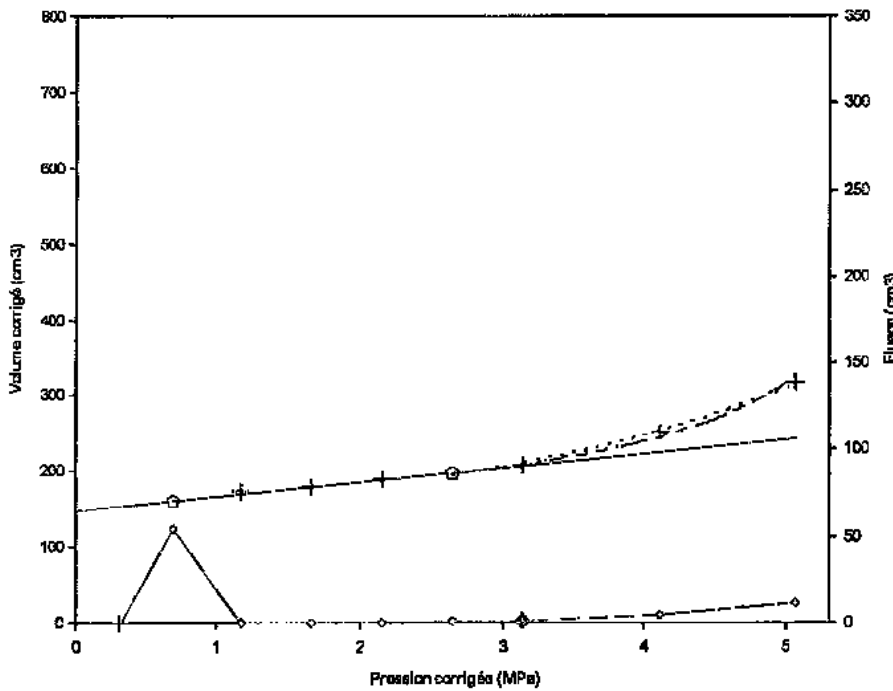
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Sondage: MPM 2009-6

Profondeur : 30.00 m



Nappe: 2.50 m
Ks (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

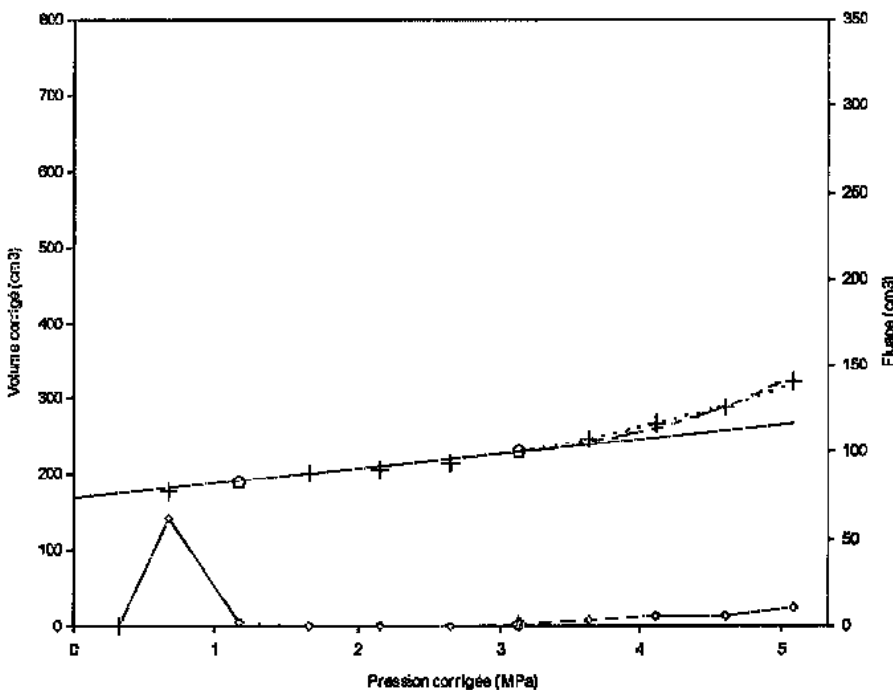
N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
Em = 99.9
P1 = 7.62 | Pmax = 5.07
P1(i) = 7.62 | Pf = 3.14
P1(h) = 5.99 | Po = 0.40
P1(Pf) = 4.71

Légende:
- - - : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
△ : extrémité de la phase linéaire
o : fluage ◆ : Pf

Sondage: MPM 2009-6

Profondeur : 31.00 m



Nappe: 2.50 m
Ks (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
Em = 101.7
P1 = 8.34 | Pmax = 5.08
P1(i) = 8.34 | Pf = 3.14
P1(h) = 6.16 | Po = 0.41
P1(Pf) = 4.71

Légende:
- - - : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
△ : extrémité de la phase linéaire
o : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

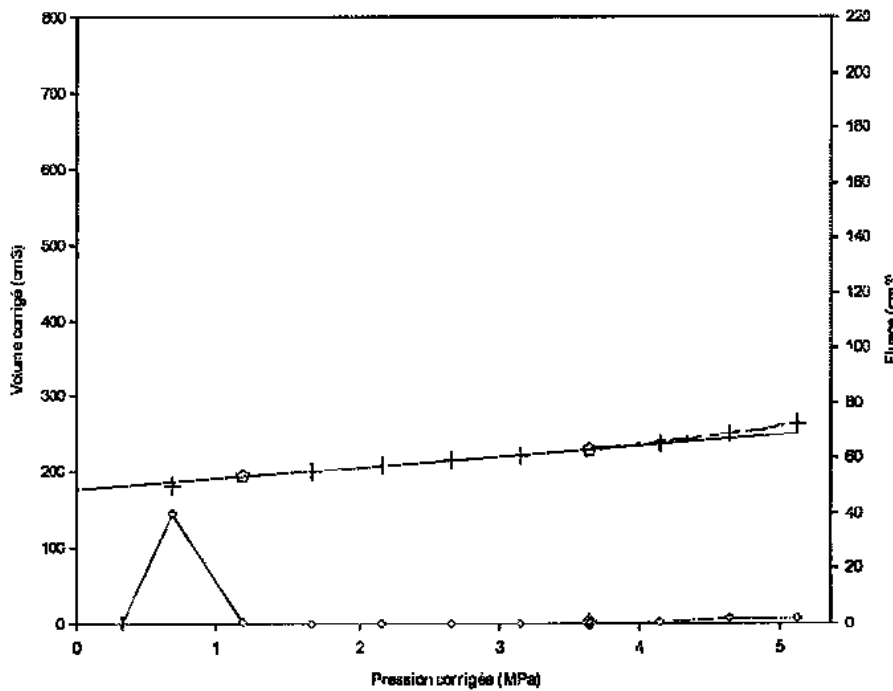
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVEY

Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM 2009-6

Profondeur : 32.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

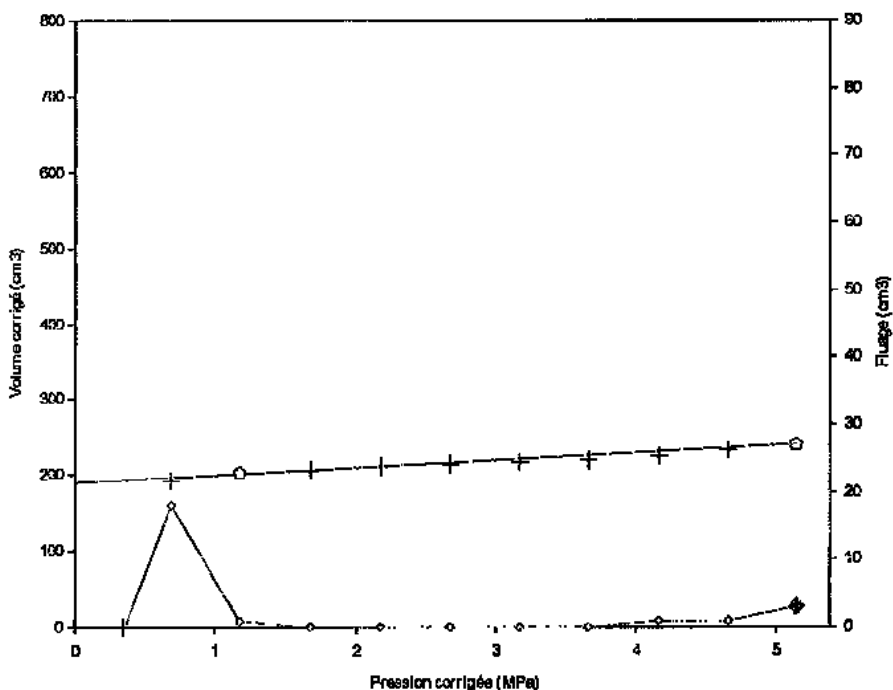
N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 136.5
PI = 12.36 | Pmax = 5.12
PI(i) = 12.36 | PF = 3.65
PI(h) = 8.04 | Po = 0.43
PI(pf) = 5.47

Légende:
- - - : PI(i) - - - : PI(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
○ : fluage ◆ : PF

Sondage: MPM 2009-6

Profondeur : 33.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 206.1
PI > 5.15 | Pmax = 5.15
PF > 5.15
Po = 0.44
PI(pf) > 7.72

Légende:
- - - : PI(i) - - - : PI(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
○ : fluage ◆ : PF

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

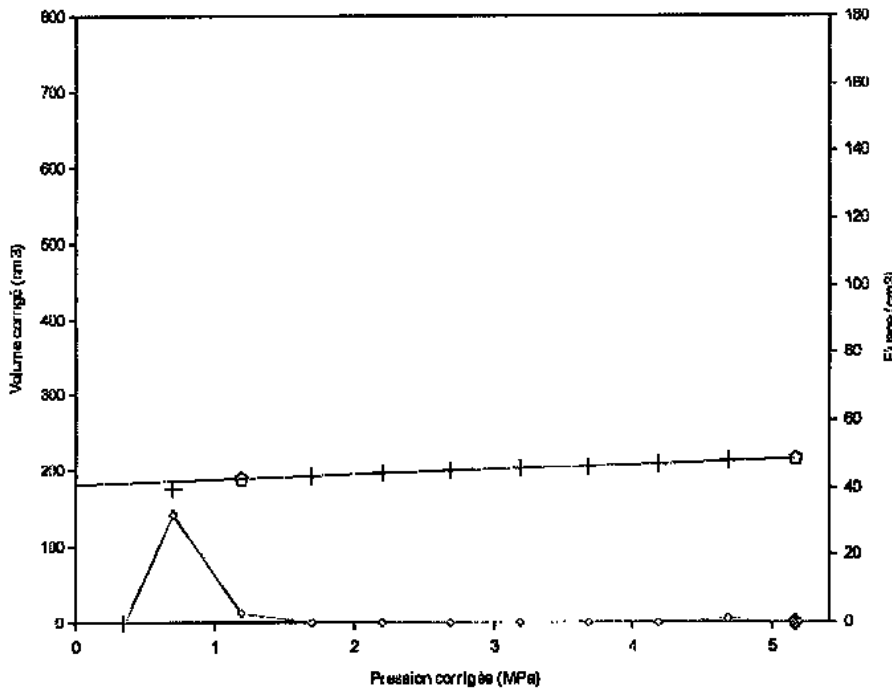
Affaire: SIZEWELL B - GROUND INVESTIGATION

FONDASOL
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BP 765
84140 MONTFAVRT

Programme: W-Pressio
Version : 1.1

Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM 2009-6



Profondeur : 34.00 m

Nappe: 2.50 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

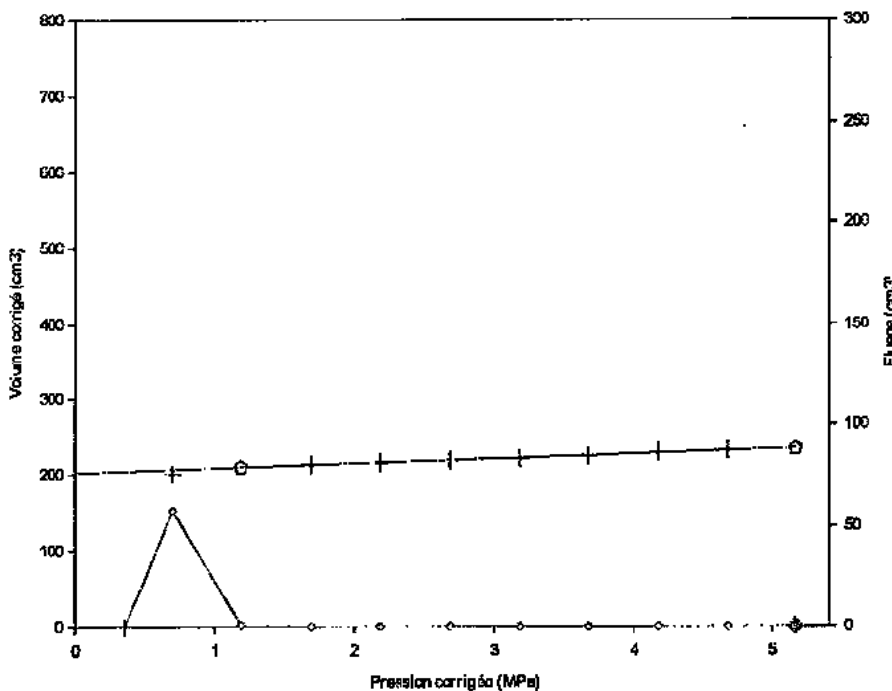
N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 291.5$
P1 > 5.18 | Pmax = 5.18
Pf > 5.18
Po = 0.45
P1 (Pf) > 7.76

Suivant la norme
NFP 94-110-1

Légende:
--- : P1 (i) - - - : P1 (ii)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
◊ : fluage ◊ : Pf

Sondage: MPM 2009-6



Profondeur : 35.00 m

Nappe: 2.50 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 311.4$
P1 > 5.17 | Pmax = 5.17
Pf > 5.17
Po = 0.47
P1 (Pf) > 7.76

Suivant la norme
NFP 94-110-1

Légende:
--- : P1 (i) - - - : P1 (ii)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
◊ : fluage ◊ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

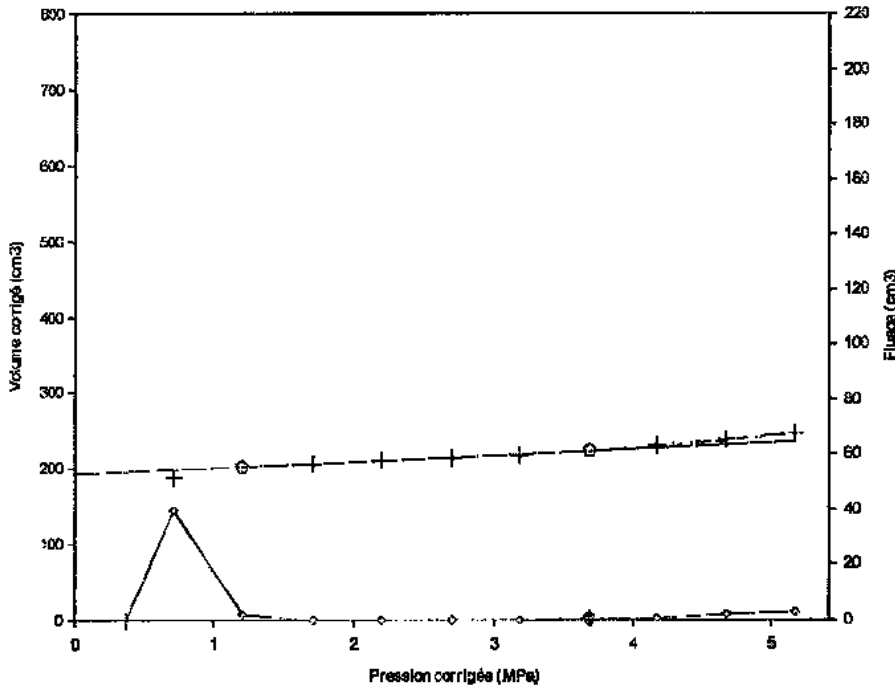
Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-Pressio
Version : 1.1

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Fichier : P9
Dernière mise à jour:
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Sondage: MPM 2009-6



Profondeur : 36.00 m
Type de forage:
Tarière hélic. cont.
Nappe: 2.50 m

No (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

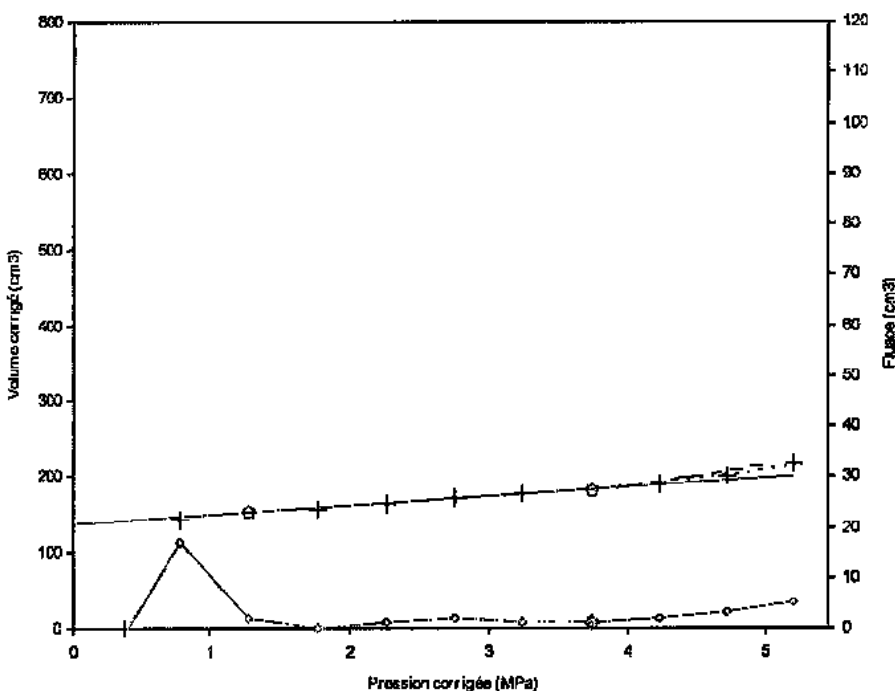
$E_M = 235.3$

Pl = 16.02	Pmax = 5.17
Pl(i) = 16.02	Pf = 3.69
Pl(h) = 7.43	Po = 0.48
Pl(Pf) = 5.54	

Légende:

- : Pl(i)
- : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ◊ : extrémité de la phase linéaire
- o : fluage
- ◆ : Pf

Sondage: MPM 2009-6



Profondeur : 37.00 m

Nappe: 2.50 m

No (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
 $\alpha = 1.50 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 152.5$

Pl = 11.38	Pmax = 5.21
Pl(i) = 11.38	Pf = 3.74
Pl(h) = 7.25	Po = 0.50
Pl(Pf) = 5.61	

Légende:

- : Pl(i)
- : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ◊ : extrémité de la phase linéaire
- o : fluage
- ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

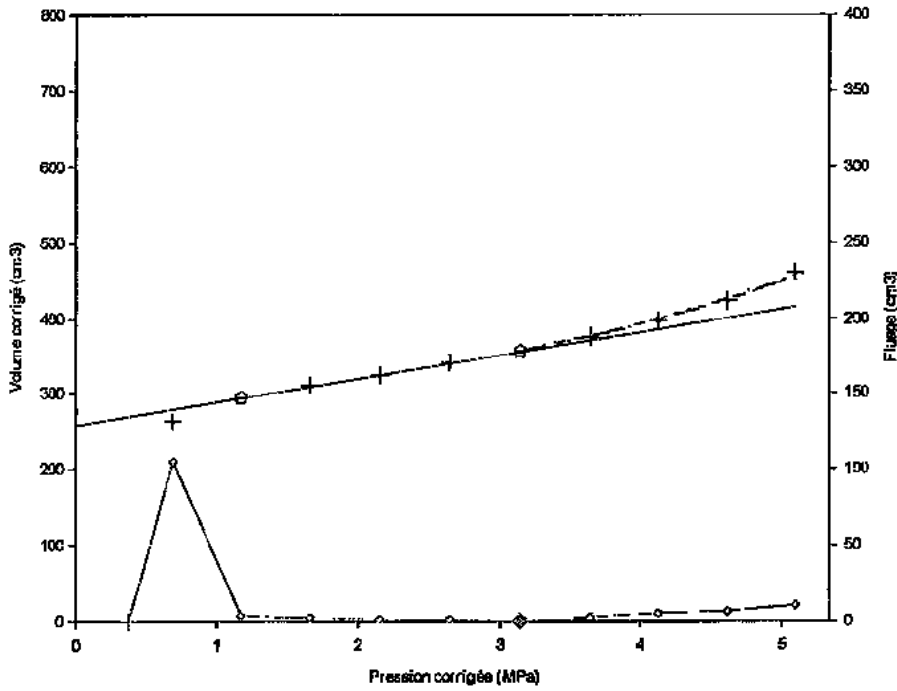
Programme: W-Pressio
Version : 1.1

FONDASOL
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84140 MONTFAVET

Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM 2009-6

Profondeur : 38.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_x = 75.2

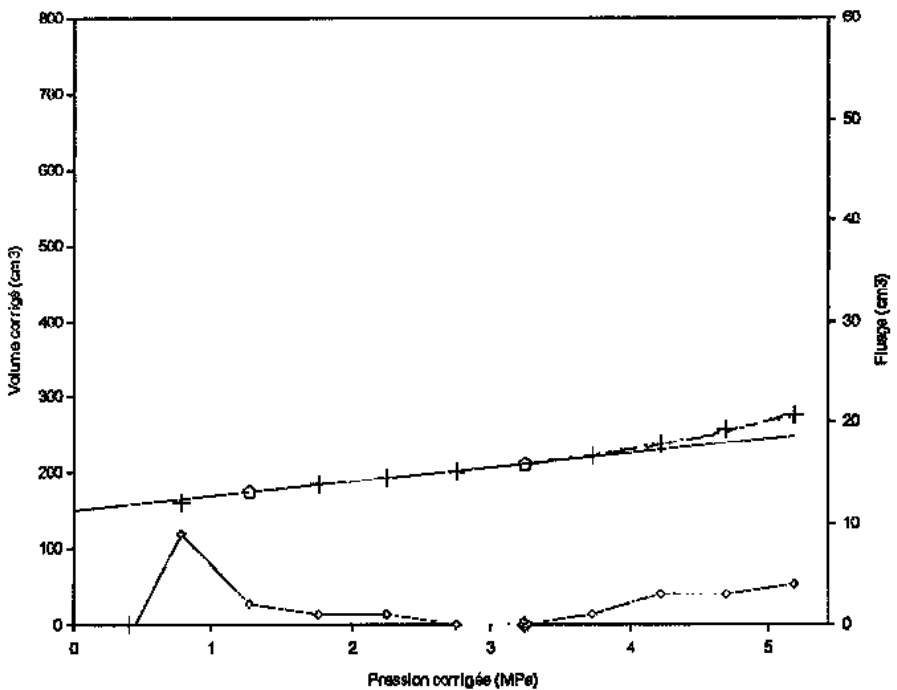
P1 = 9.27	Pmax = 5.10
P1(i) = 9.27	Pf = 3.14
P1(h) = 7.81	Po = 0.51
P1(pf) = 4.71	

Légende:

- : P1(i)
- - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- o : fluage
- ◆ : P1

Sondage: MPM 2009-6

Profondeur : 39.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_x = 102.8

P1 = 9.76	Pmax = 5.19
P1(i) = 9.76	Pf = 3.23
P1(h) = 7.07	Po = 0.52
P1(pf) = 4.85	

Légende:

- : P1(i)
- - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- o : fluage
- ◆ : P1

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

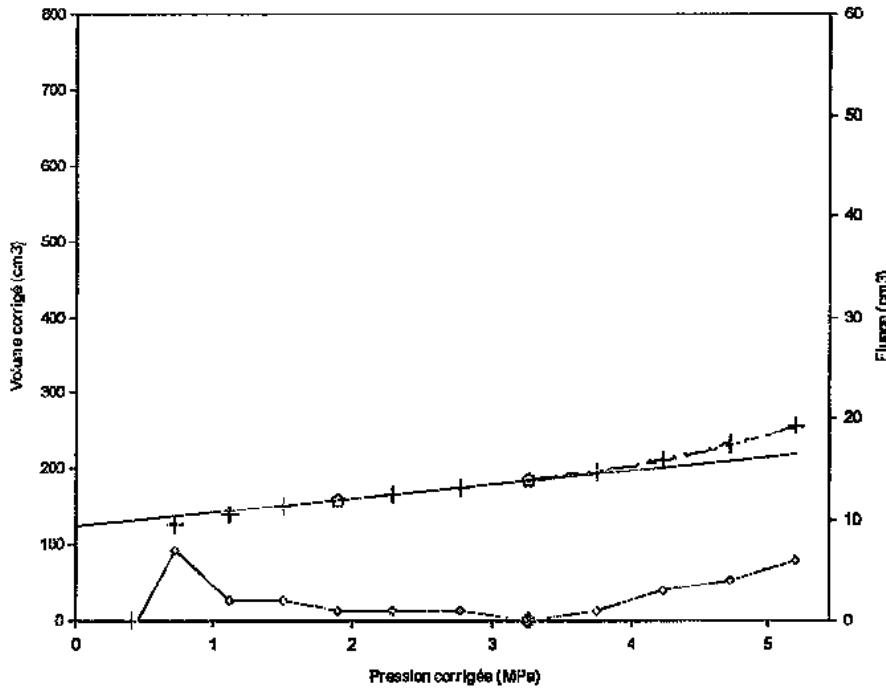
Programme: W-Pressio
Version : 1.1

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Fichier : P9
Dernière mise à jour:
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Sondage: MPM 2009-6

Profondeur : 40.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 103.8

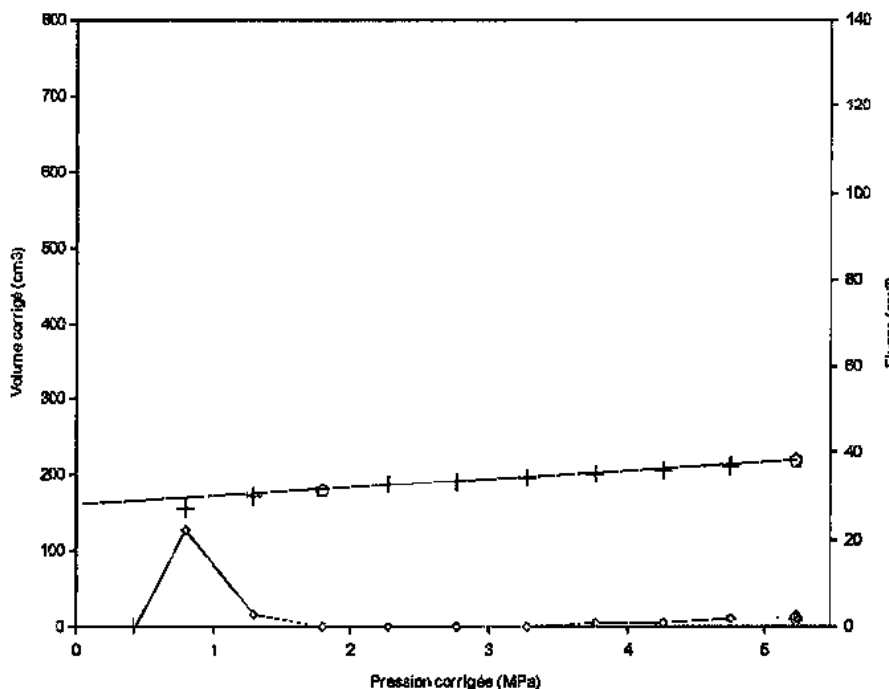
P _l = 8.74	P _{max} = 5.21
P _{l(i)} = 8.74	P _f = 3.27
P _{l(h)} = 6.89	P _o = 0.54
P _{l(pf)} = 4.90	

Légende:

- : P_{l(i)} - - - : P_{l(h)}
- + : point de mesure
- x : point non pris en compte
- ◊ : extrémité de la phase linéaire
- ◊ : filtrage ◆ : P_f

Sondage: MPM 2009-6

Profondeur : 41.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 174.7

P _l > 5.25	P _{max} = 5.25
	P _f > 5.25
	P _o = 0.55
P _{l(P_f)} > 7.87	

Légende:

- : P_{l(i)} - - - : P_{l(h)}
- + : point de mesure
- x : point non pris en compte
- ◊ : extrémité de la phase linéaire
- ◊ : filtrage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

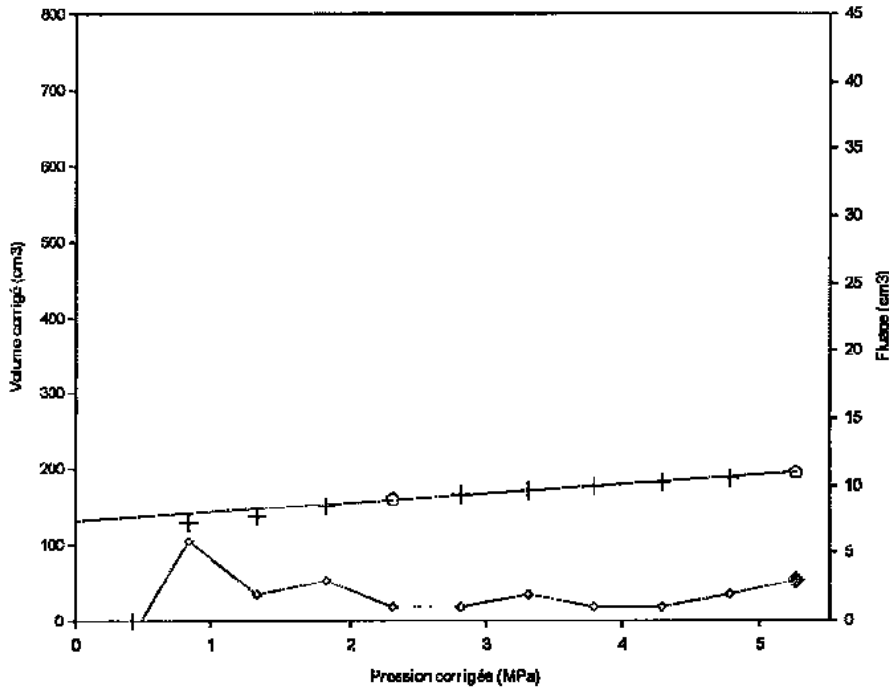
Programme: W-Pressio
Version : 1.1

FONDASOL
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BP 765
84140 MONTFAVET

Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM 2009-6

Profondeur : 42.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

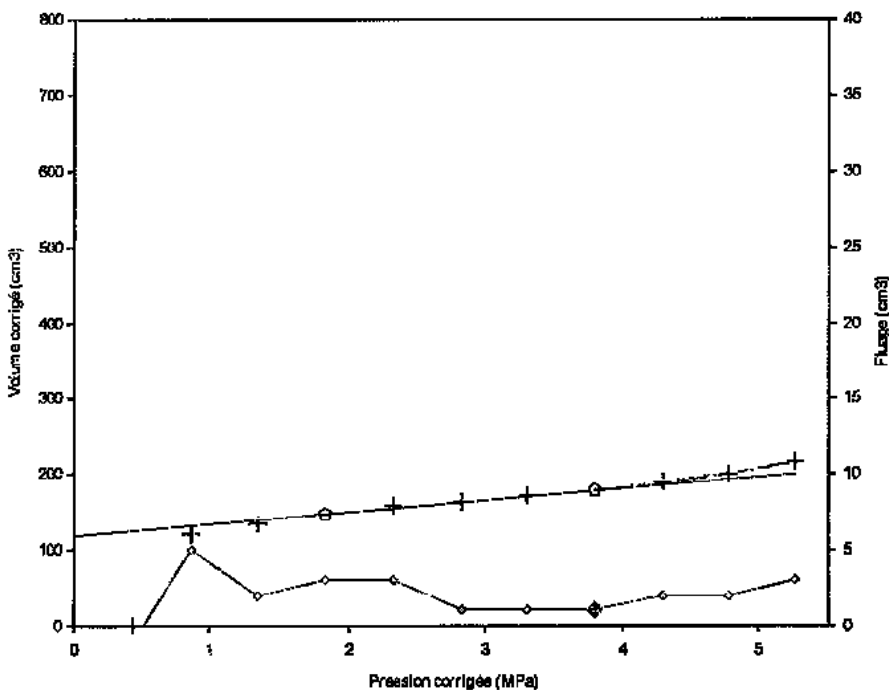
N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)
E_M = 158.3
Pl > 5.27 | Pmax = 5.27
Pf > 5.27
Po = 0.56
Pl (pf) > 7.91

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ◆ : Pf

Sondage: MPM 2009-6

Profondeur : 43.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)
E_M = 117.9
Pl = 10.60 | Pmax = 5.27
Pl (i) = 10.60 | Pf = 3.80
Pl (h) = 7.37 | Po = 0.58
Pl (pf) = 5.70

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

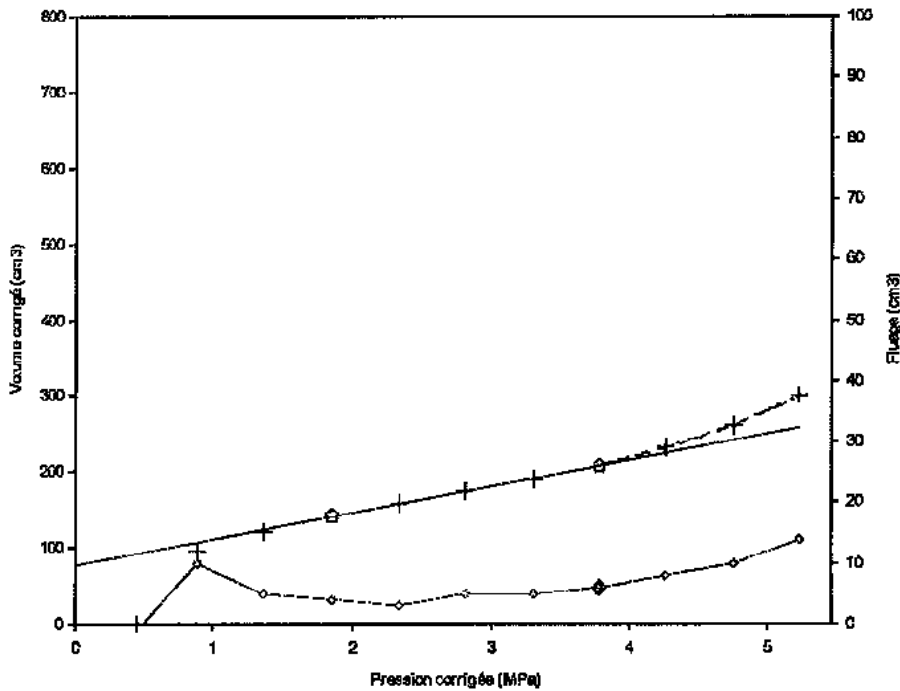
FONDASOL
290 rue des Galoubets
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Programme: W-Pressio
Version : 1.1

Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM 2009-6

Profondeur : 44.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3

Sonde: STANDARD

Gain: 3 mm

a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 54.6

Pl = 7.39 | Pmax = 5.22

Pl(i) = 7.39 | Pf = 3.79

Pl(h) = 6.76 | Po = 0.59

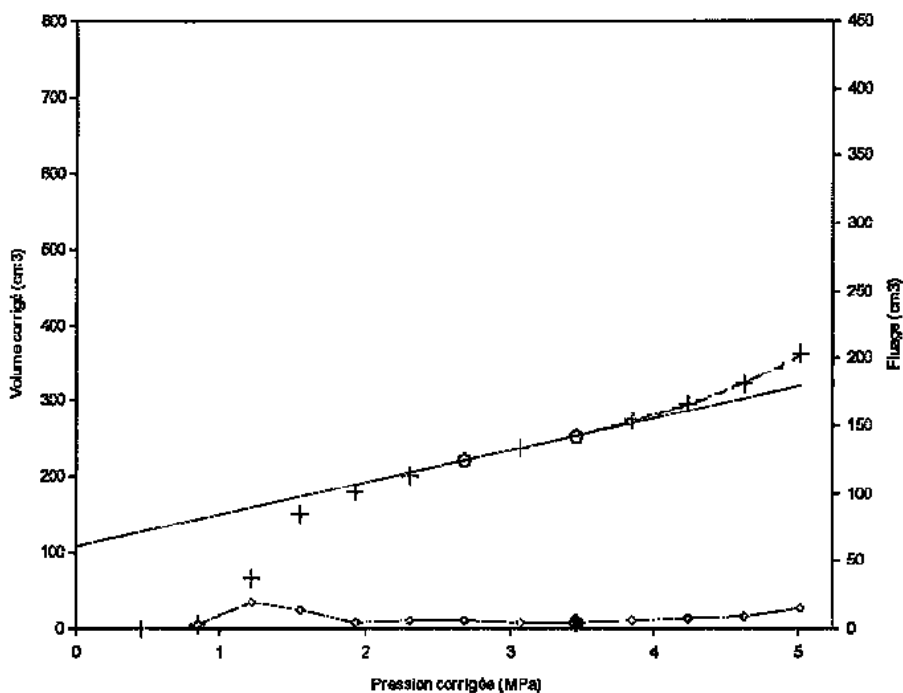
Pl(pf) = 5.68

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ◇ : extrémité de la phase linéaire
- ◊ : fluage ● : Pf

Sondage: MPM 2009-6

Profondeur : 45.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3

Sonde: STANDARD

Gain: 3 mm

a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 48.6

Pl = 7.45 | Pmax = 5.01

Pl(i) = 7.45 | Pf = 3.46

Pl(h) = 6.48 | Po = 0.61

Pl(pf) = 5.19

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ◇ : extrémité de la phase linéaire
- ◊ : fluage ● : Pf

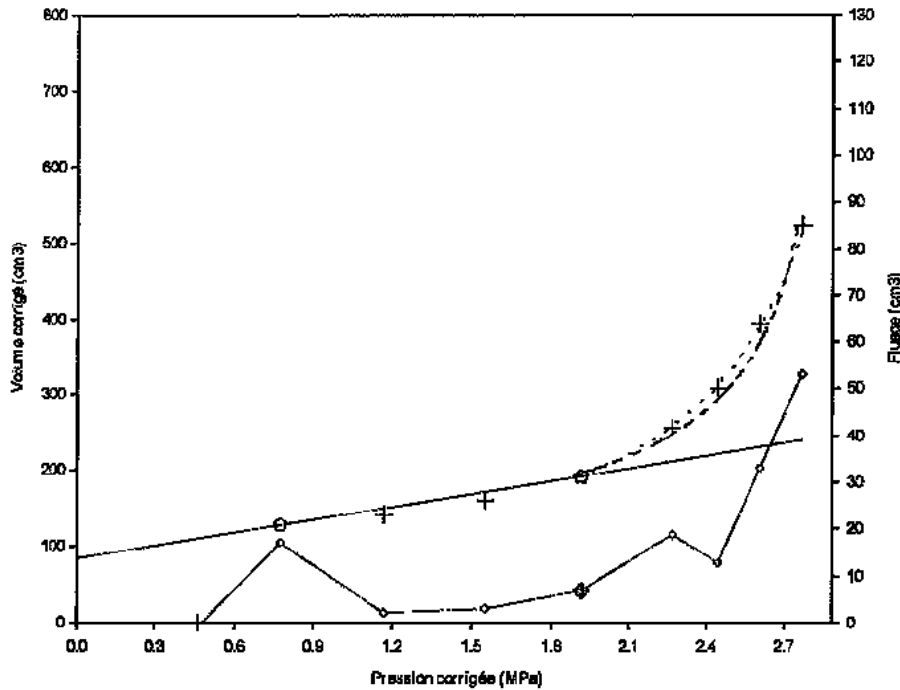
FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM 2009-6

Profondeur : 46.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 32.9

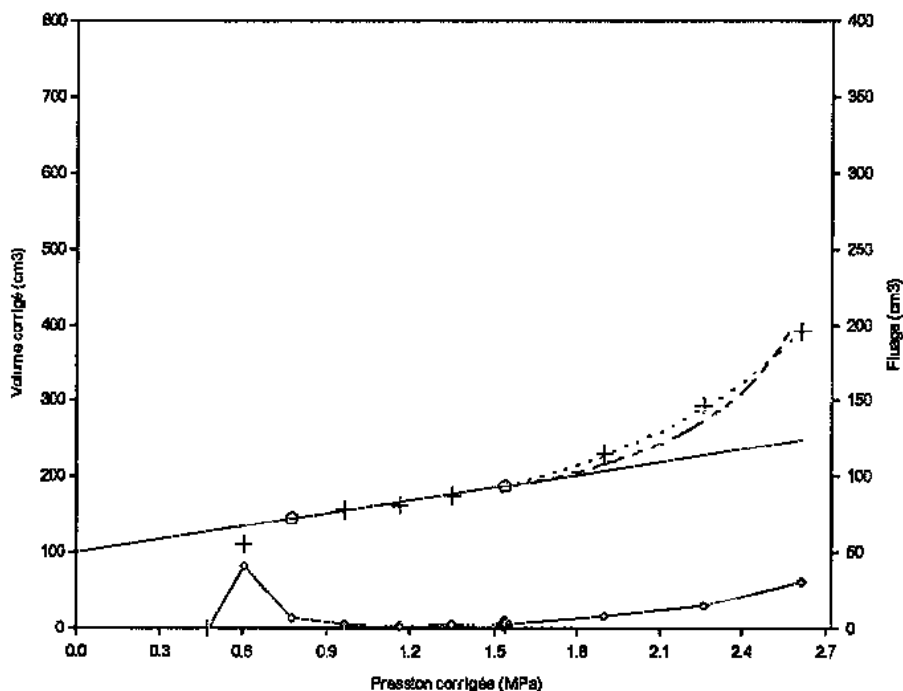
Pl = 2.94	Pmax = 2.77
Pl(i) = 2.94	Pf = 1.92
Pl(h) = 2.83	Po = 0.62
Pl(pf) = 2.88	

Légende:

- : Pl(i)
- - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : Pf

Sondage: MPM 2009-6

Profondeur : 47.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 33.0

Pl = 3.14	Pmax = 2.62
Pl(i) = 3.14	Pf = 1.54
Pl(h) = 2.79	Po = 0.63
Pl(pf) = 2.30	

Légende:

- : Pl(i)
- - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

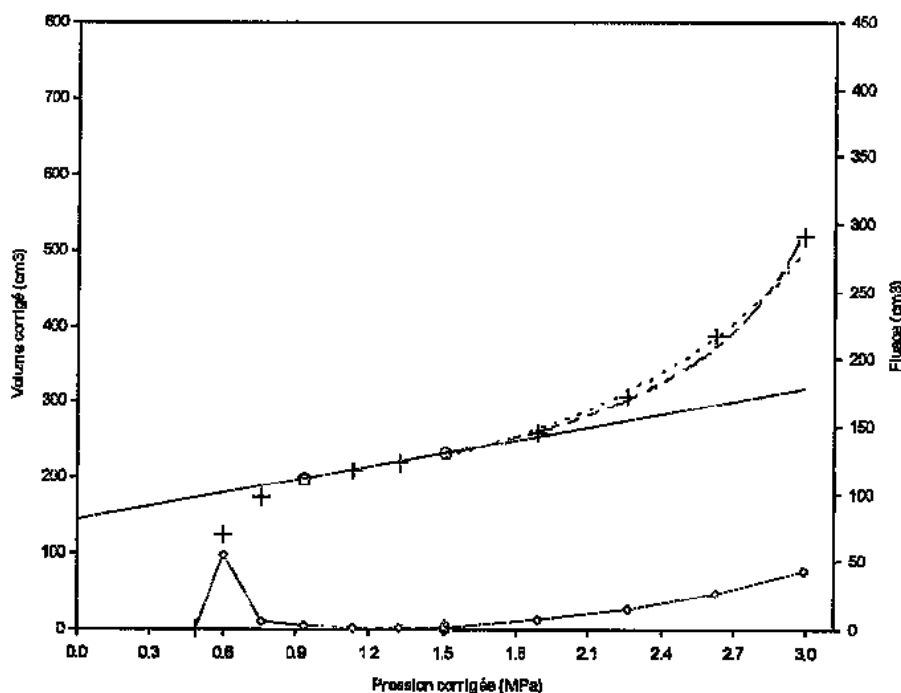
FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM 2009-6

Profondeur : 48.00 m



Nappe: 2.50 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 34.5

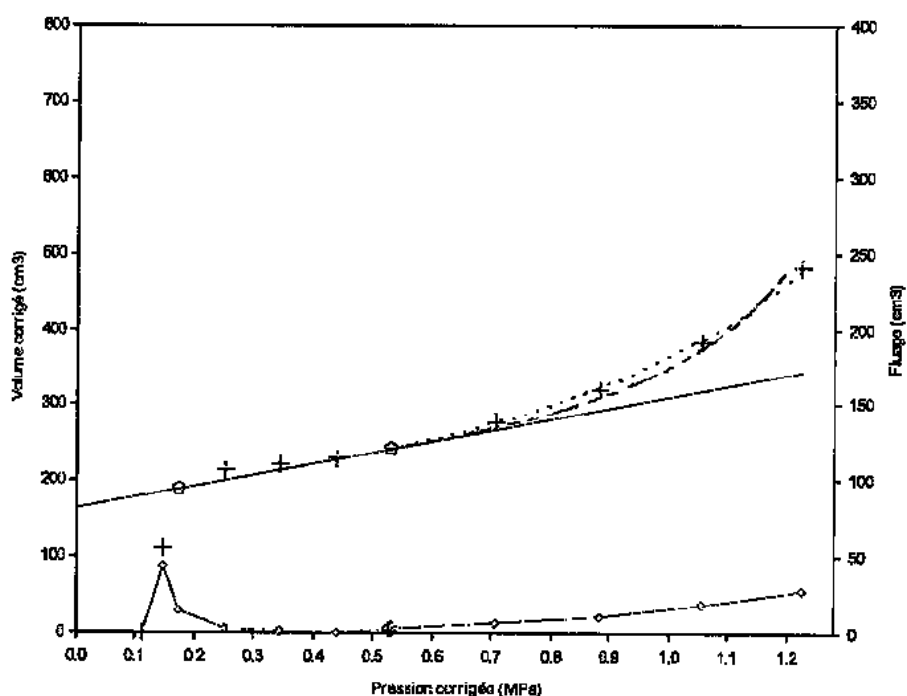
Pl = 3.57	Pmax = 2.99
Pl(i) = 3.57	Pf = 1.51
Pl(h) = 3.23	Po = 0.65
Pl(Pf) = 2.26	

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ◇ : extrémité de la phase linéaire
- o : fluage ◆ : Pf

Sondage: MPM 2009-5

Profondeur : 10.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 13.6

Pl = 1.59	Pmax = 1.22
Pl(i) = 1.59	Pf = 0.53
Pl(h) = 1.36	Po = 0.13
Pl(Pf) = 0.79	

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ◇ : extrémité de la phase linéaire
- o : fluage ◆ : Pf

AFFAIRE N°: ML.100119

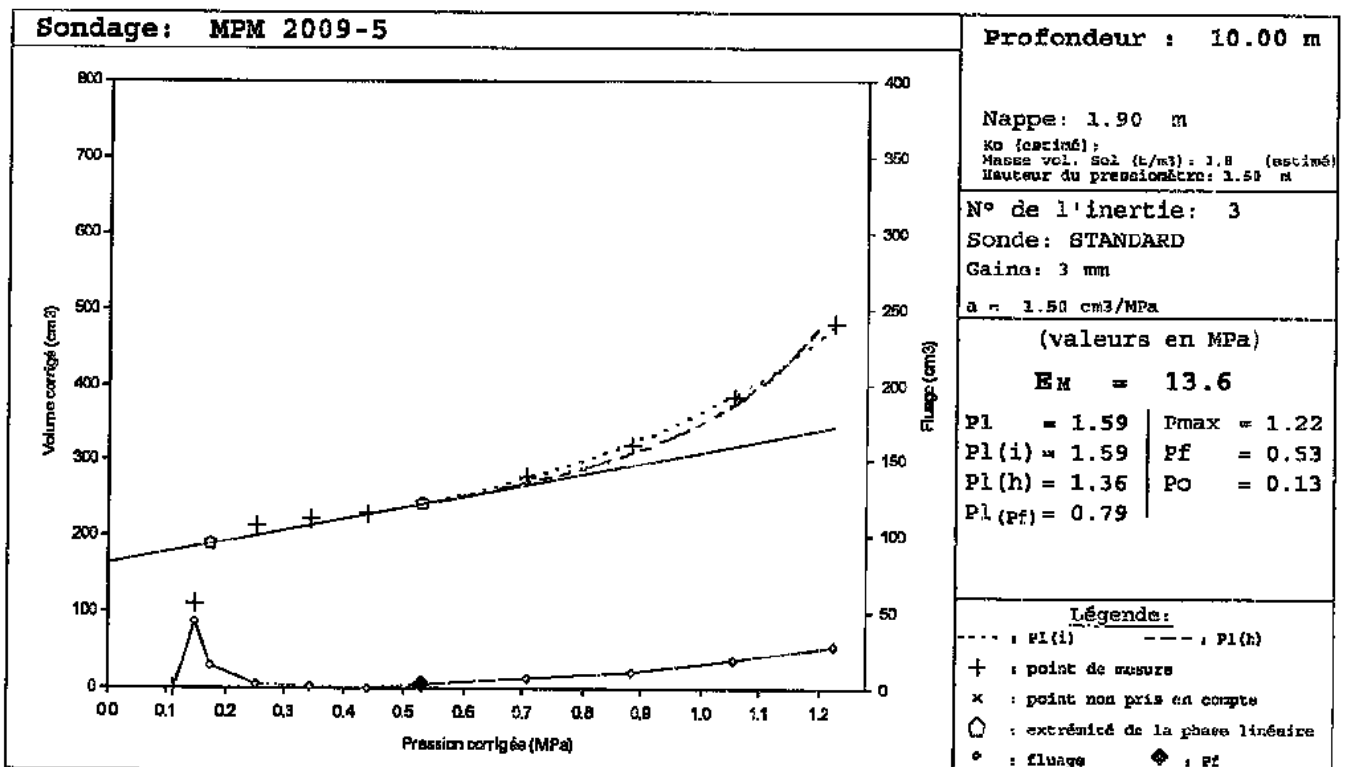
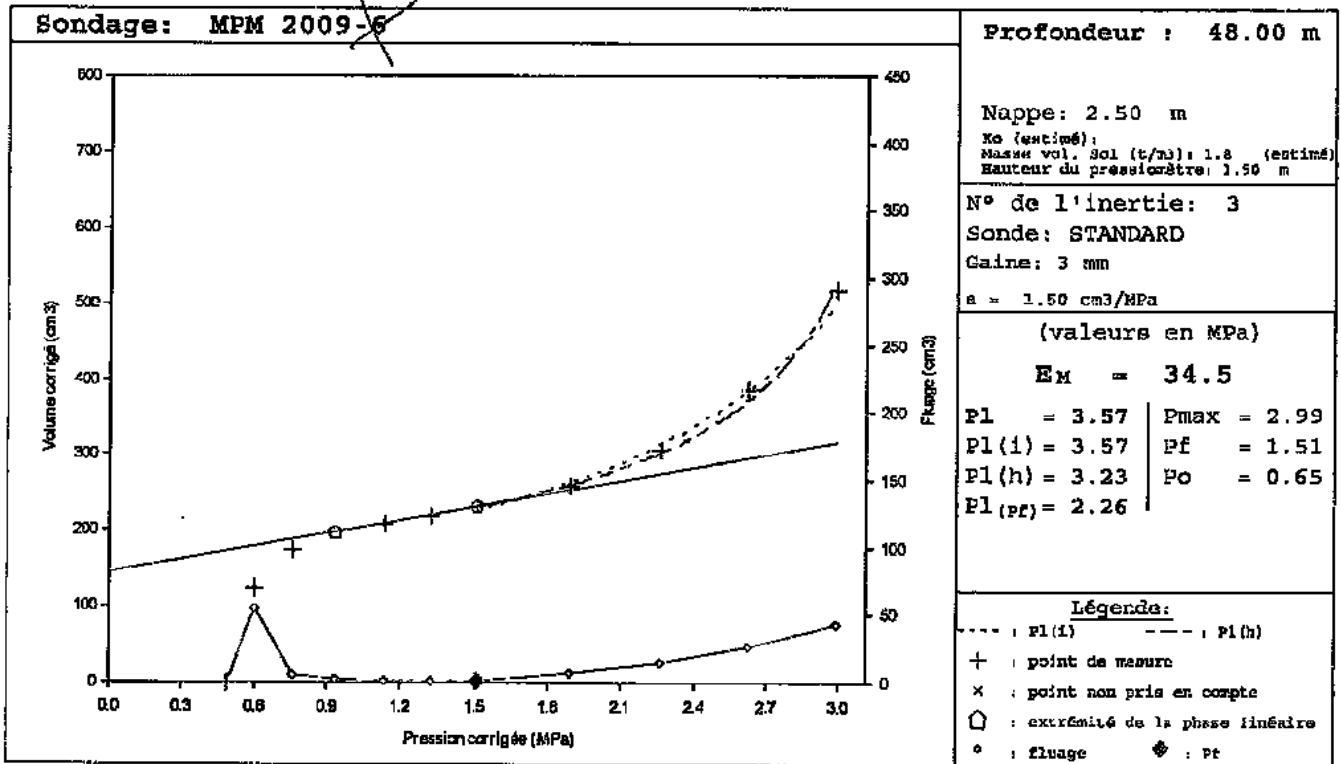
ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTEFAVET

Fichier : P9
Dernière mise à jour:
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AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

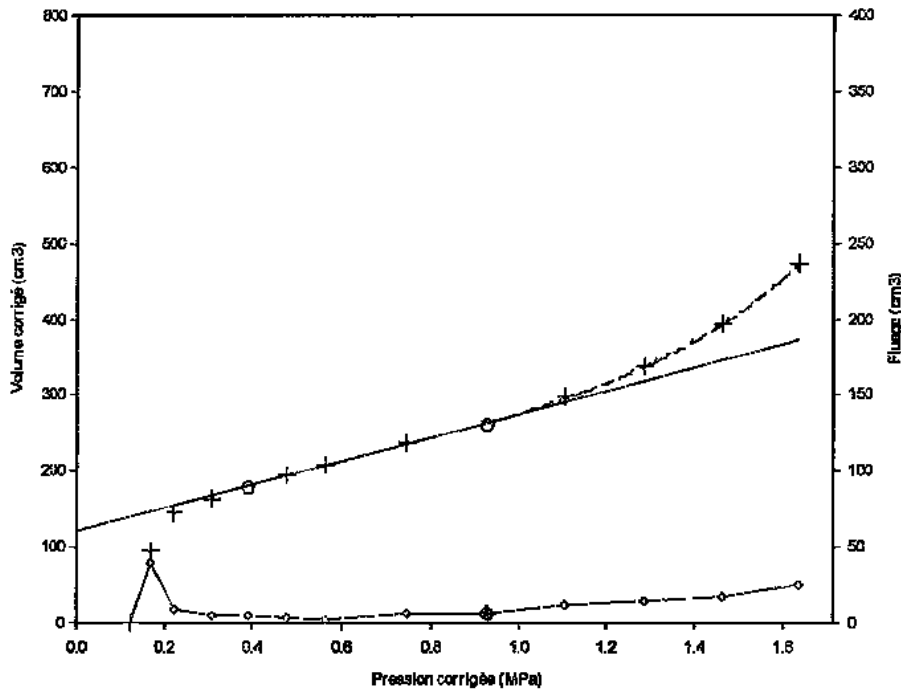
Programme: W-Pressio
Version : 1.1

FONDASOL
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BP 765
84140 MONTFAVET

Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM 2009-5

Profondeur : 11.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

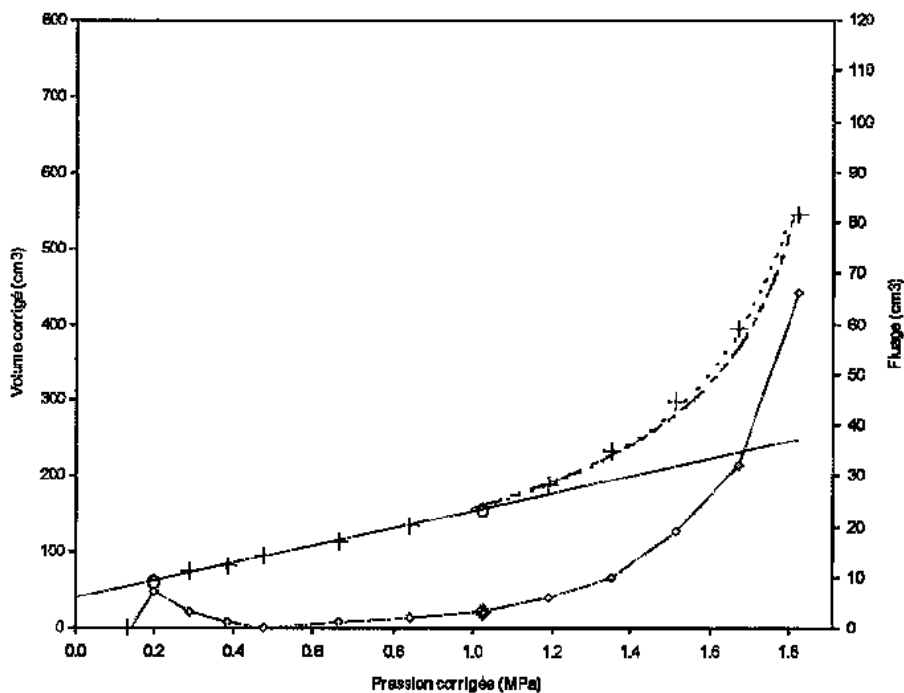
N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)
E_M = 13.1
P_l = 2.11 | P_{max} = 1.64
P_l(i) = 2.11 | P_f = 0.93
P_l(h) = 1.95 | P_o = 0.14
P_l(P_f) = 1.39

Légende:
--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◇ : extrémité de la phase linéaire
○ : fluage ◆ : P_f

Sondage: MPM 2009-5

Profondeur : 12.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)
E_M = 14.9
P_l = 1.87 | P_{max} = 1.83
P_l(i) = 1.87 | P_f = 1.02
P_l(h) = 1.85 | P_o = 0.16
P_l(P_f) = 1.53

Légende:
--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◇ : extrémité de la phase linéaire
○ : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

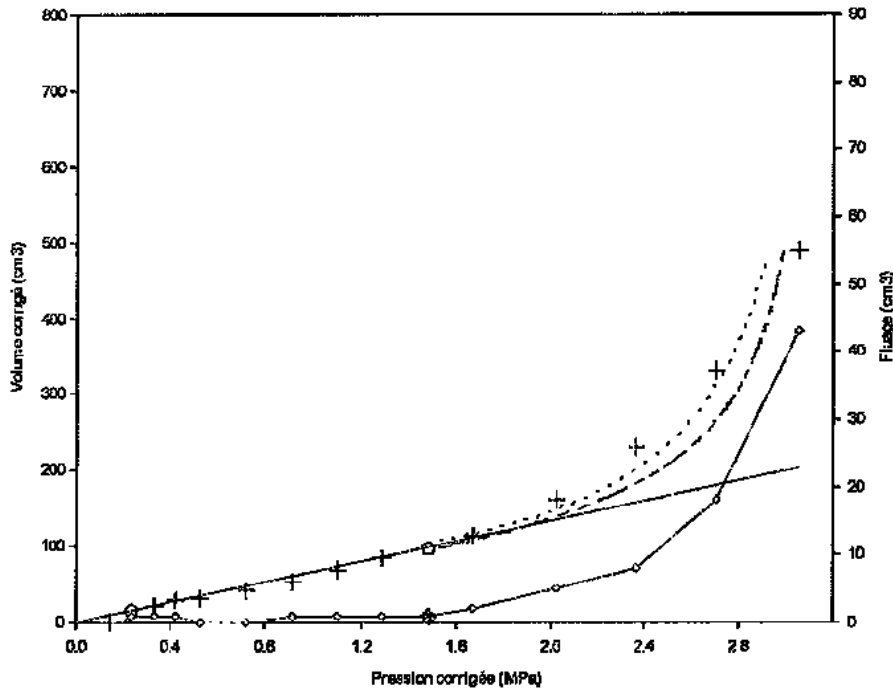
Programme: W-Pressio
Version : 1.1

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Fichier : P9
Dernière mise à jour:
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Sondage: MPM 2009-5

Profondeur : 13.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3

Sonde: STANDARD

Gaine: 3 mm

a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 23.6

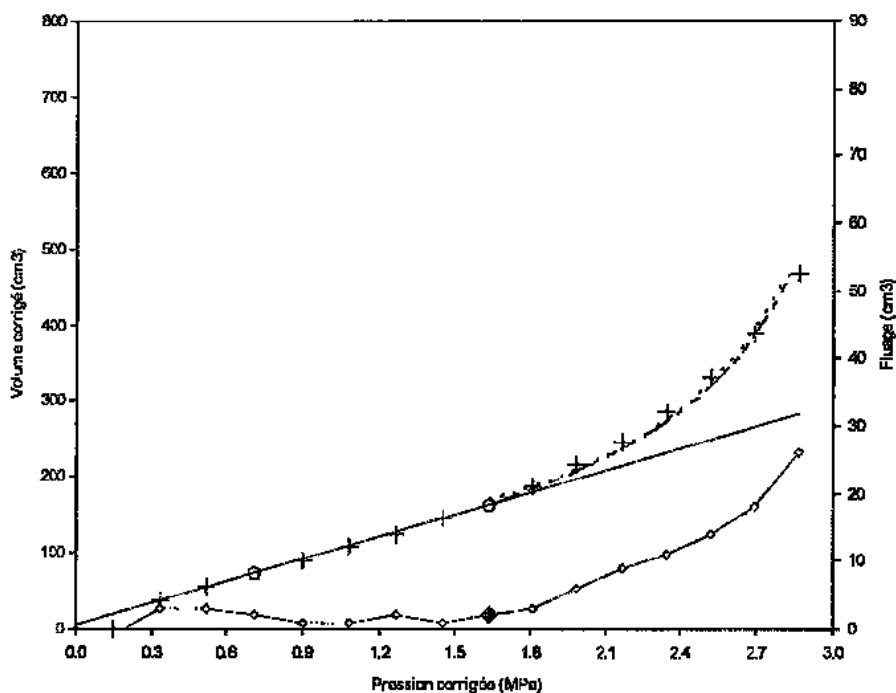
P1 = 2.99	Pmax = 3.05
P1(i) = 2.99	Pf = 1.48
P1(h) = 3.02	Po = 0.17
P1(pf) = 2.22	

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

Sondage: MPM 2009-5

Profondeur : 14.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3

Sonde: STANDARD

Gaine: 3 mm

a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 18.0

P1 = 3.03	Pmax = 2.87
P1(i) = 3.03	Pf = 1.63
P1(h) = 3.00	Po = 0.18
P1(pf) = 2.45	

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

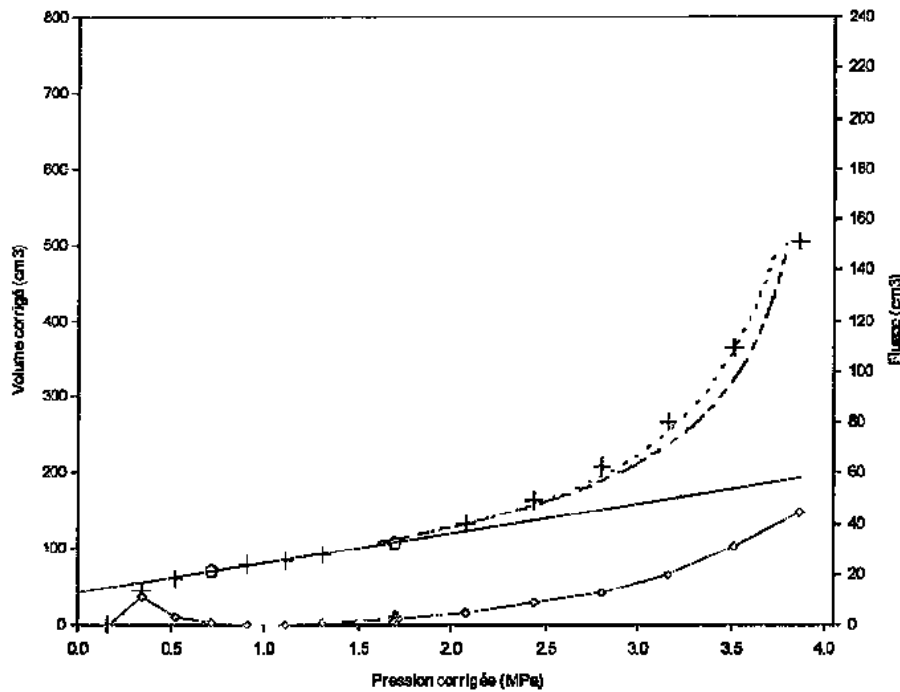
Programme: W-PRESSIO
Version : 1.1

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Fichier : P9
Dernière mise à jour:
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Sondage: MPM 2009-5

Profondeur : 15.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.9 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 43.1

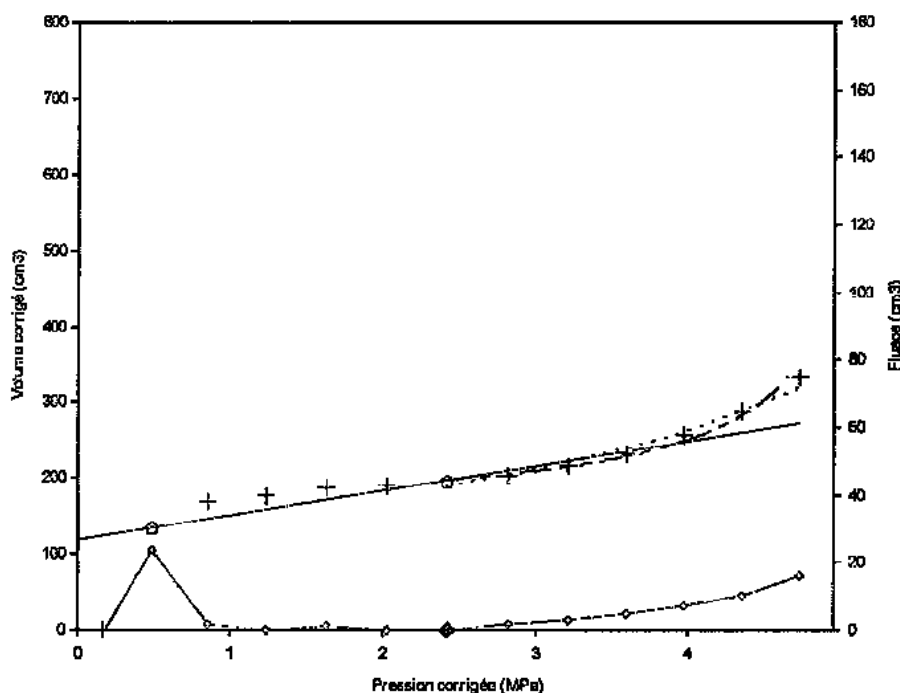
Pl = 3.91	Pmax = 3.87
Pl(i) = 3.91	Pf = 1.69
Pl(h) = 3.90	Po = 0.20
Pl(Pf) = 2.54	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM 2009-5

Profondeur : 16.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 57.3

Pl = 6.94	Pmax = 4.73
Pl(i) = 6.94	Pf = 2.42
Pl(h) = 5.16	Po = 0.21
Pl(Pf) = 3.63	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

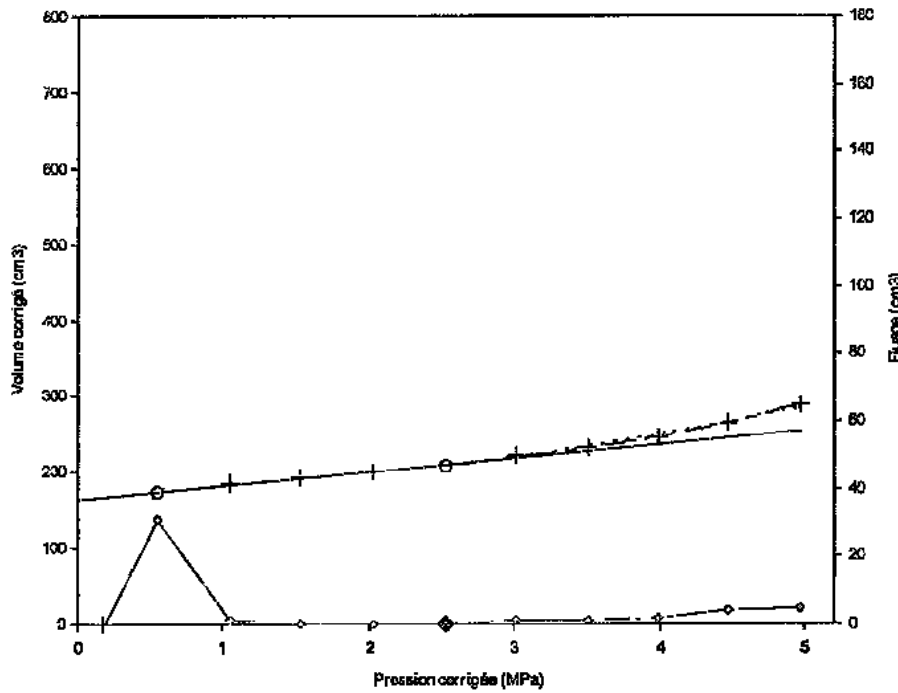
Programme: W-Pressio
Version : 1.1

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Fichier : P9
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Sondage: MPM 2009-5

Profondeur : 17.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

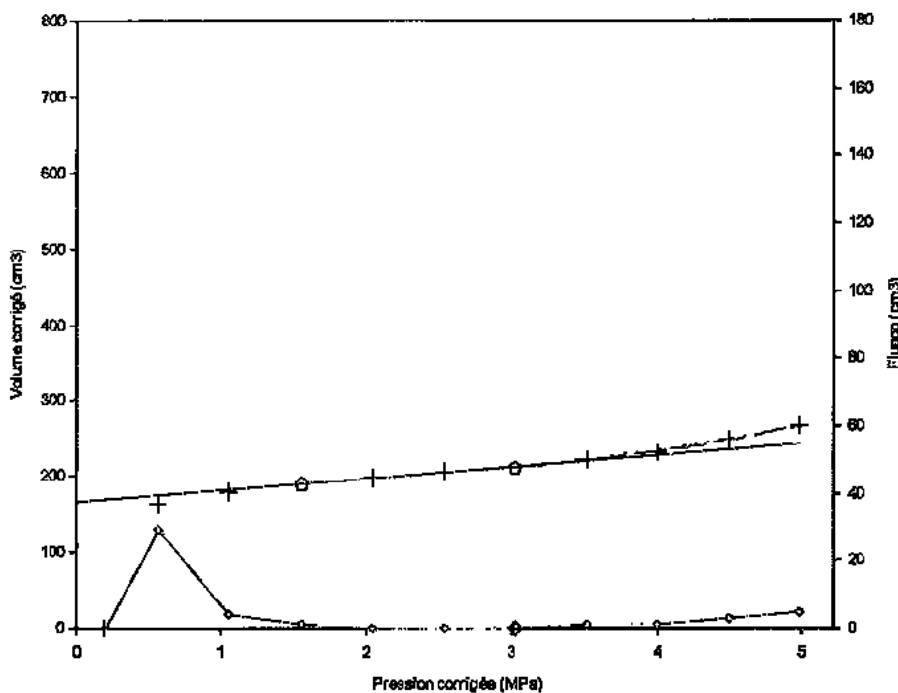
N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)
Em = 108.6
Pl = 9.55 | Pmax = 4.97
Pl(i) = 9.55 | Pf = 2.52
Pl(h) = 7.11 | Po = 0.22
Pl(pf) = 3.78

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
o : fluage ◆ : Pf

Sondage: MPM 2009-5

Profondeur : 18.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)
Em = 127.3
Pl = 10.49 | Pmax = 4.99
Pl(i) = 10.49 | Pf = 3.03
Pl(h) = 6.91 | Po = 0.24
Pl(pf) = 4.54

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
o : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

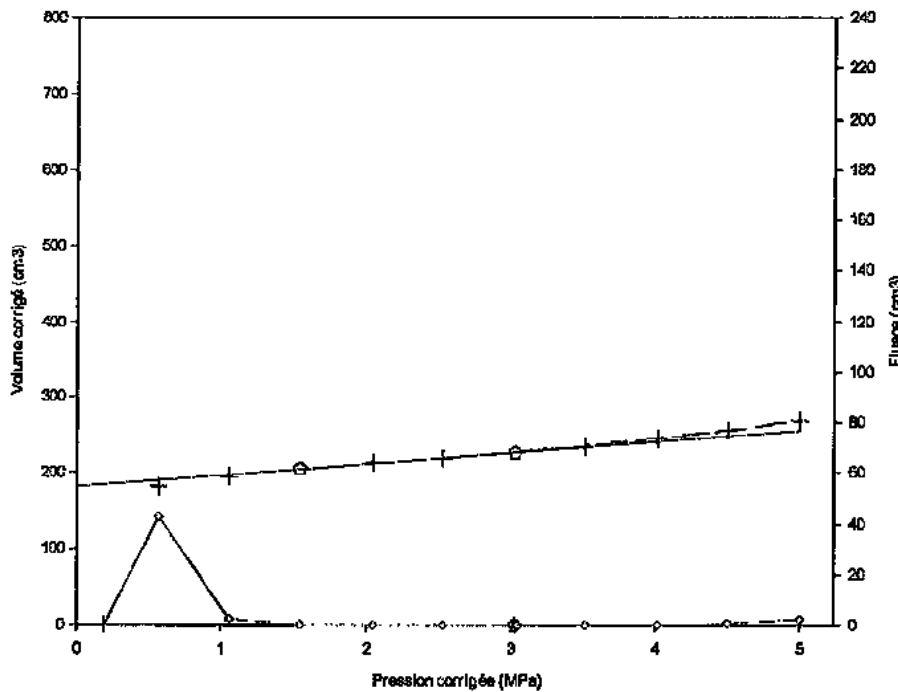
Programme: W-Pressio
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Fichier : P9
Dernière mise à jour:
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Sondage: MPM 2009-5

Profondeur : 19.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 136.1

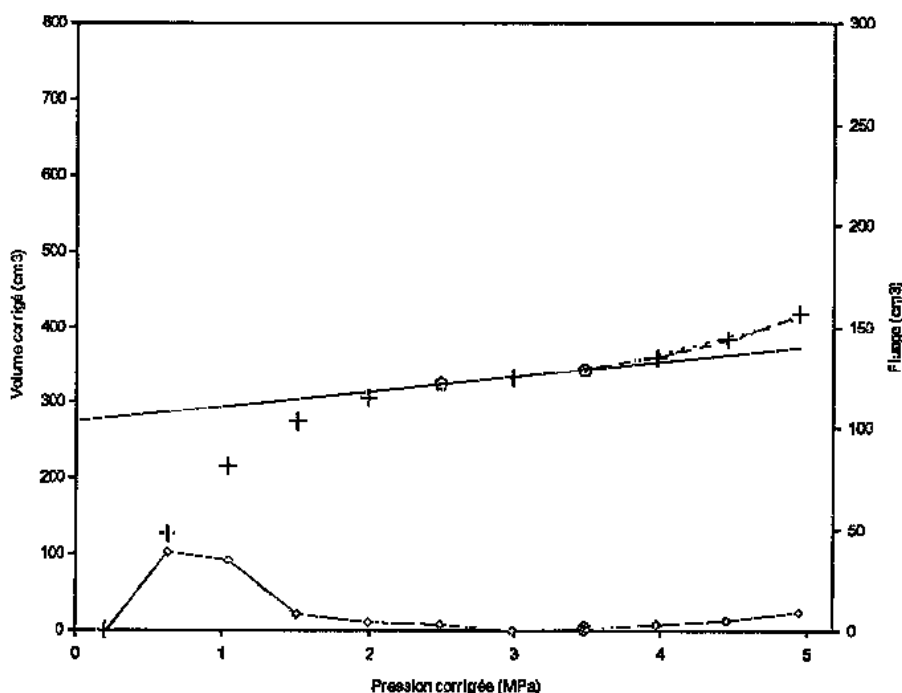
Pl = 12.68	Pmax = 5.00
Pl(i) = 12.68	Pf = 3.03
Pl(h) = 8.61	Po = 0.25
Pl(Pf) = 4.54	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : Fluage ◊ : Pf

Sondage: MPM 2009-5

Profondeur : 20.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 117.4

Pl = 9.51	Pmax = 4.94
Pl(i) = 9.51	Pf = 3.47
Pl(h) = 6.26	Po = 0.27
Pl(Pf) = 5.20	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : Fluage ◊ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

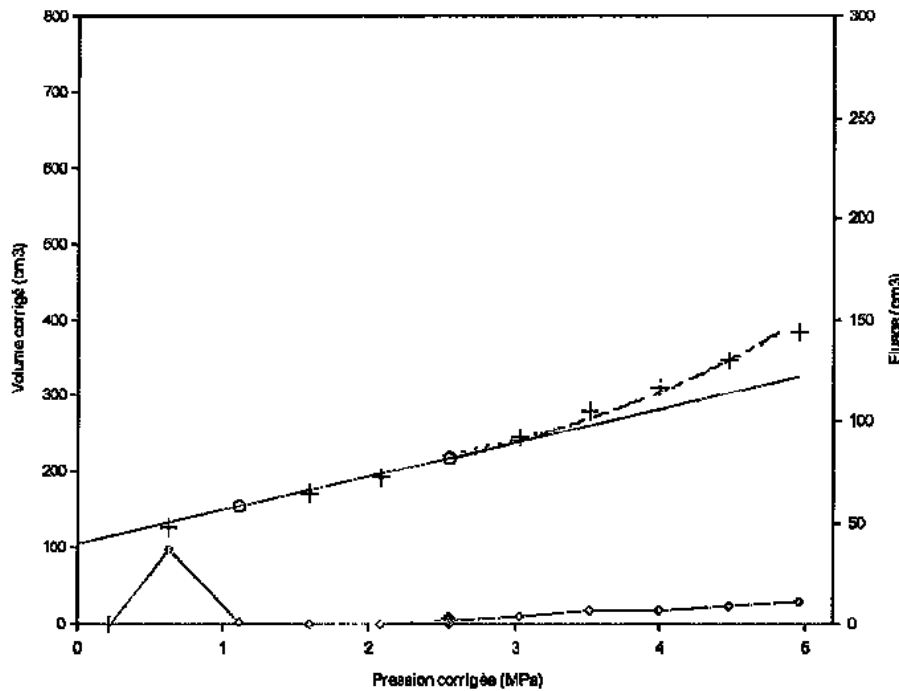
Programme: W-Pressio
Version : 1.1

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Fichier : P9
Dernière mise à jour:
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Sondage: MPM 2009-5

Profondeur : 21.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3

Sonde: STANDARD

Gaine: 3 mm

a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 43.4

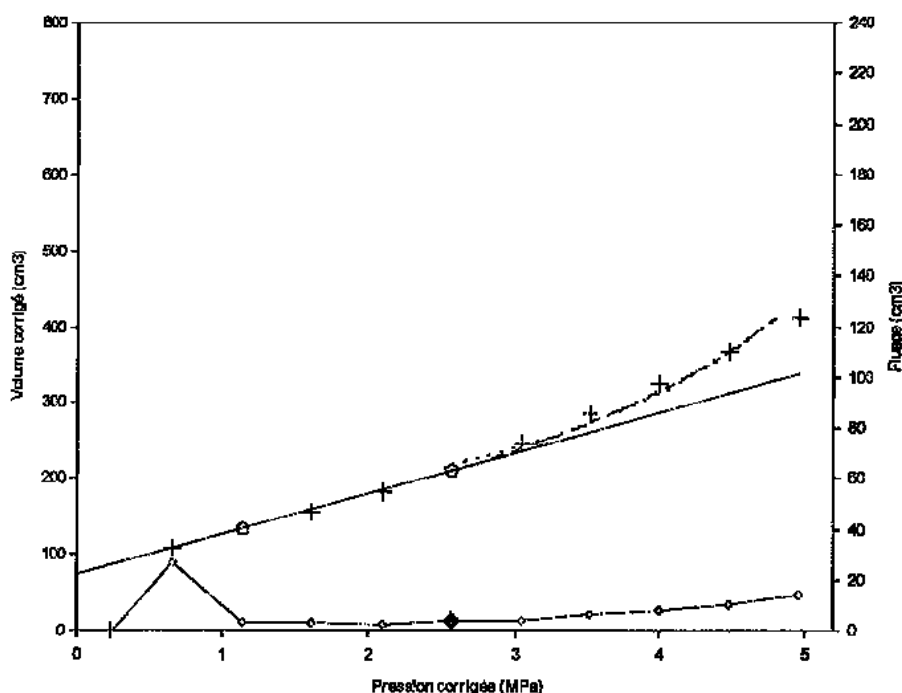
P1 = 6.58	Pmax = 4.96
P1(i) = 6.58	Pf = 2.55
P1(h) = 6.39	Po = 0.28
P1(pf) = 3.83	

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- o : fluage ◆ : Pf

Sondage: MPM 2009-5

Profondeur : 22.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3

Sonde: STANDARD

Gaine: 3 mm

a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 35.5

P1 = 6.03	Pmax = 4.96
P1(i) = 6.03	Pf = 2.57
P1(h) = 5.99	Po = 0.29
P1(pf) = 3.85	

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- o : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

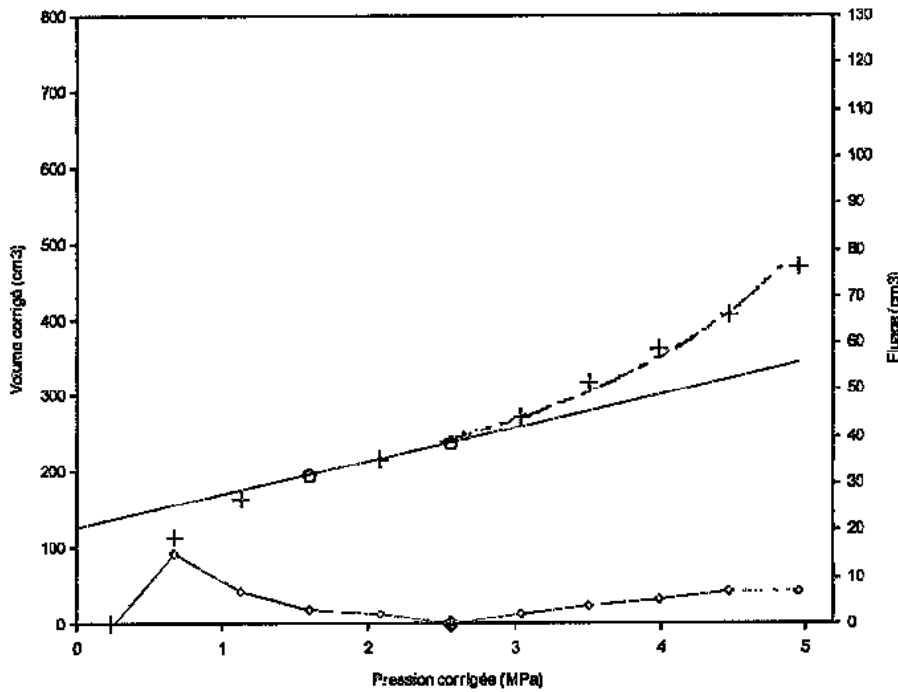
Programme: W-Pressio
Version : 1.1

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Sondage: MPM 2009-5

Profondeur : 23.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3

Sonde: STANDARD

Gaine: 3 mm

a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 45.4

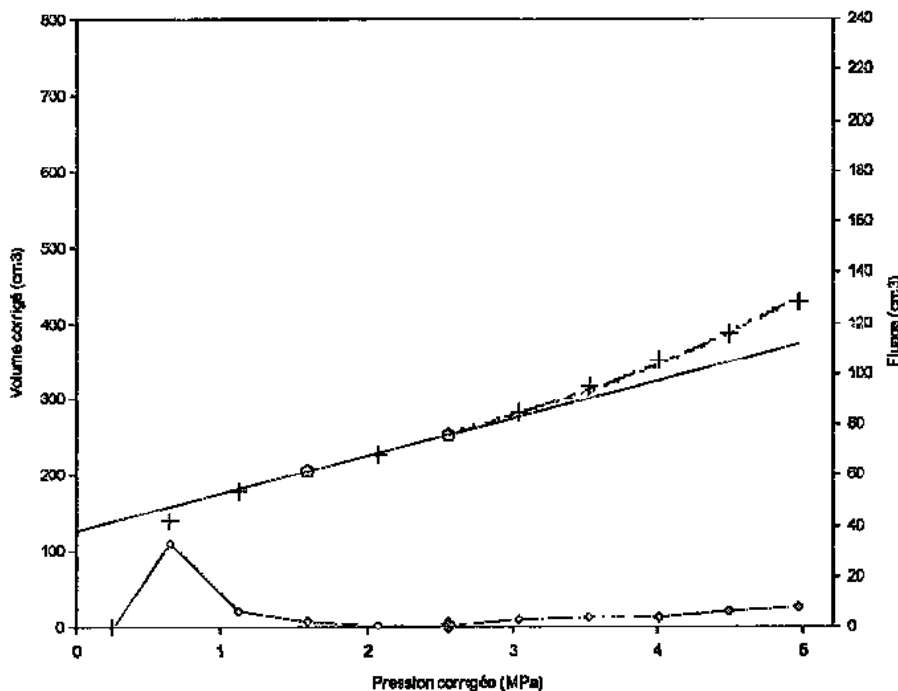
P ₁ = 6.12	P _{max} = 4.95
P ₁ (i) = 6.12	P _f = 2.56
P ₁ (h) = 5.79	P ₀ = 0.31
P ₁ (Pf) = 3.84	

Légende:

- : P₁(i) - - - : P₁(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : P_f

Sondage: MPM 2009-5

Profondeur : 24.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3

Sonde: STANDARD

Gaine: 3 mm

a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 41.2

P ₁ = 6.81	P _{max} = 4.98
P ₁ (i) = 6.81	P _f = 2.56
P ₁ (h) = 7.03	P ₀ = 0.32
P ₁ (Pf) = 3.84	

Légende:

- : P₁(i) - - - : P₁(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

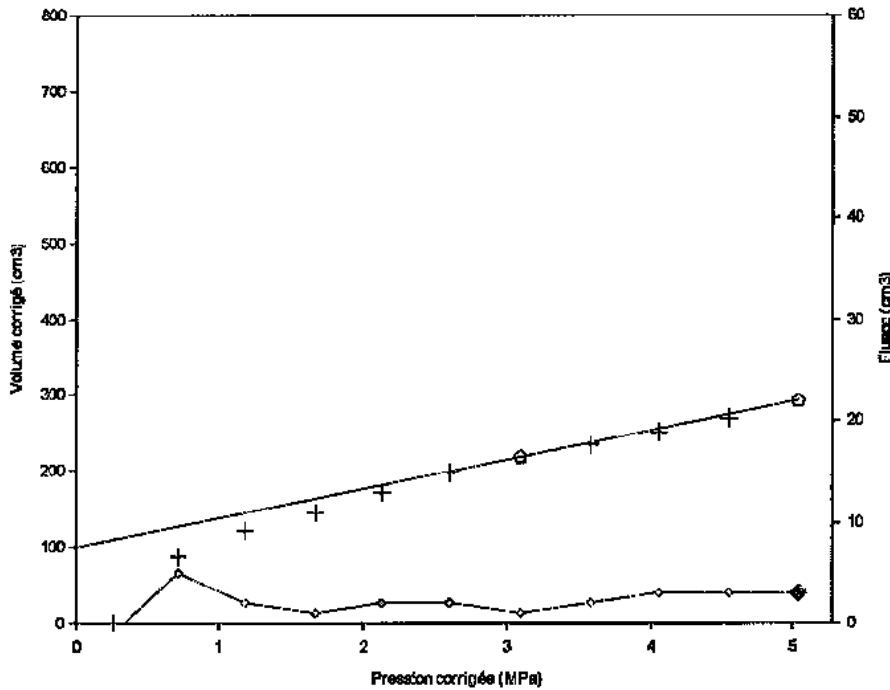
Programme: W-Pressio
Version : 1.1

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Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM 2009-5

Profondeur : 25.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
 $\alpha = 1.50 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_M = 54.7

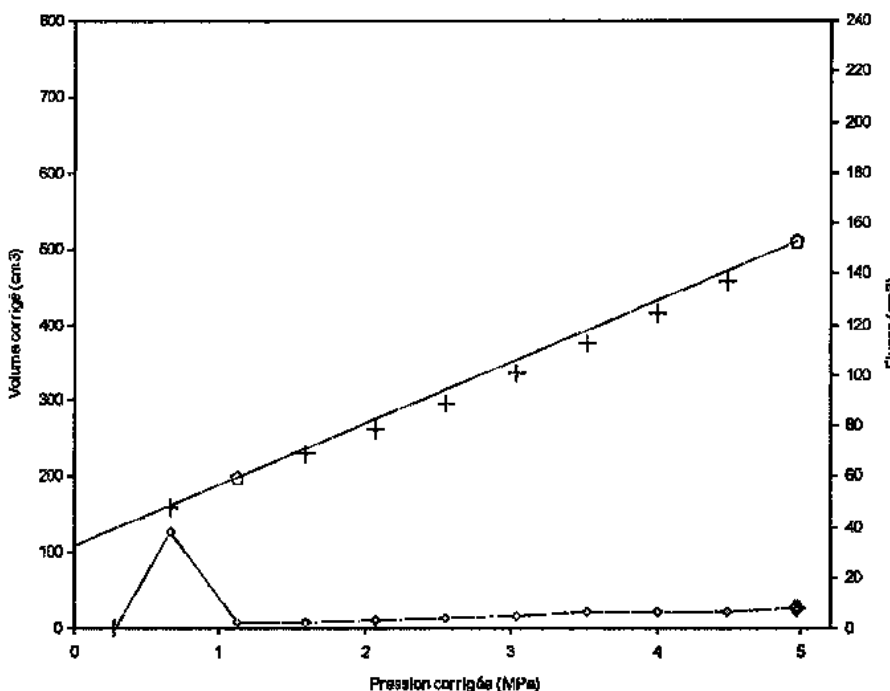
Pl > 5.04 | Pmax = 5.04
Pf > 5.04
Po = 0.33
Pl (Pf) > 7.56

Légende:

--- : Pl(l) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◇ : fluage ◆ : Pf

Sondage: MPM 2009-5

Profondeur : 26.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
 $\alpha = 1.50 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_M = 29.3

Pl > 4.97 | Pmax = 4.97
Pf > 4.97
Po = 0.35
Pl (Pf) > 7.46

Légende:

--- : Pl(l) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◇ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

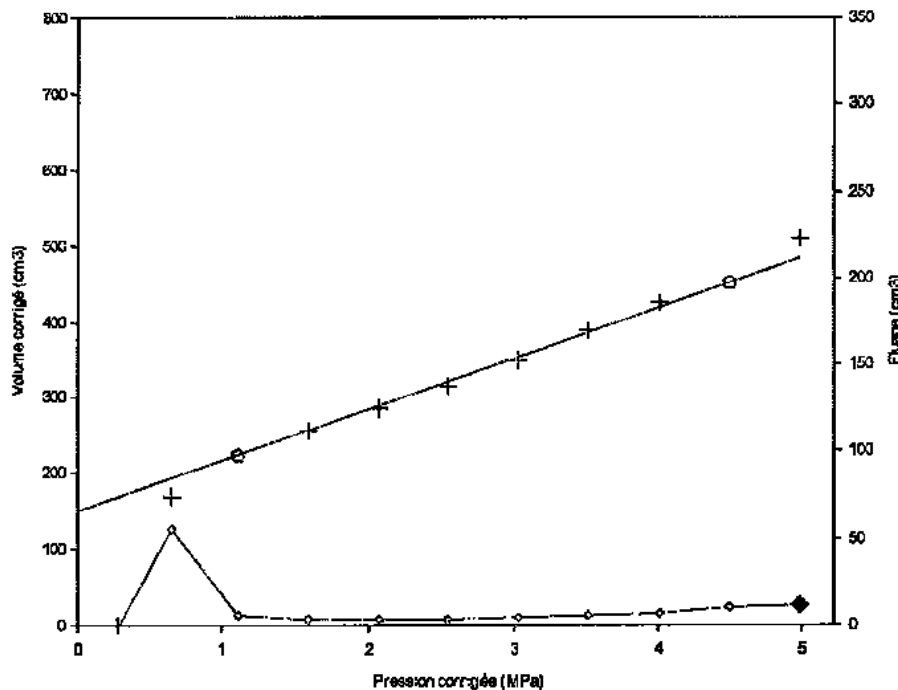
Programme: W-Pressio
Version : 1.1

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Dernière mise à jour:
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Sondage: MPM 2009-5

Profondeur : 27.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_m = 34.8

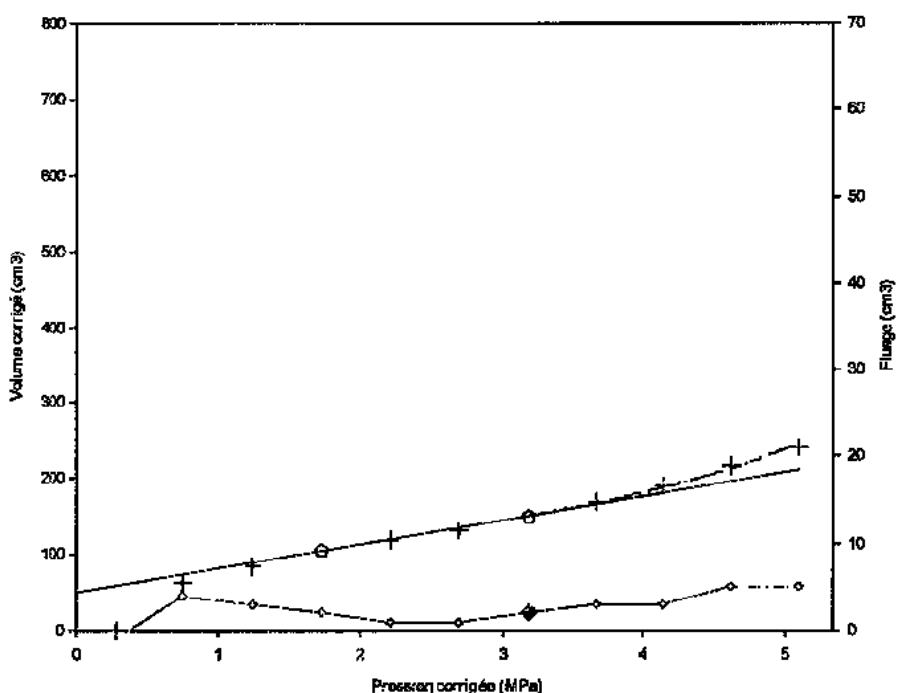
Pl > 4.98	Pmax = 4.98
	Pf > 4.98
	Po = 0.36
Pl (Pf) > 7.47	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
o : fluage ◆ : Pf

Sondage: MPM 2009-5

Profondeur : 28.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_m = 56.2

Pl = 7.22	Pmax = 5.10
Pl(i) = 7.22	Pf = 3.18
Pl(h) = 6.88	Po = 0.38
Pl (Pf) = 4.77	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
o : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

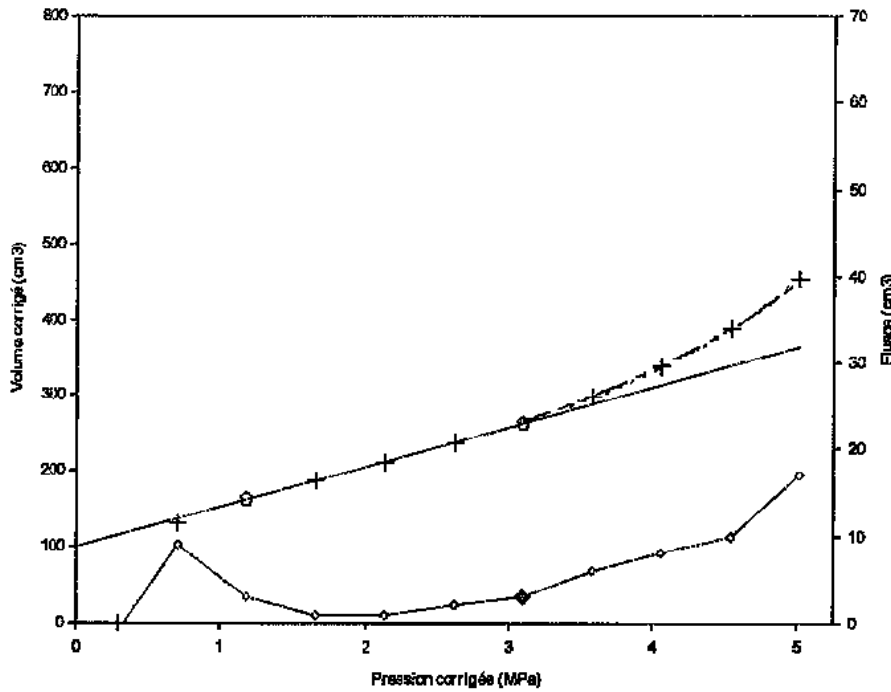
Programme: W-PRESSIO
Version : 1.1

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Sondage: MPM 2009-5

Profondeur : 29.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
 $\alpha = 1.50 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 37.8$

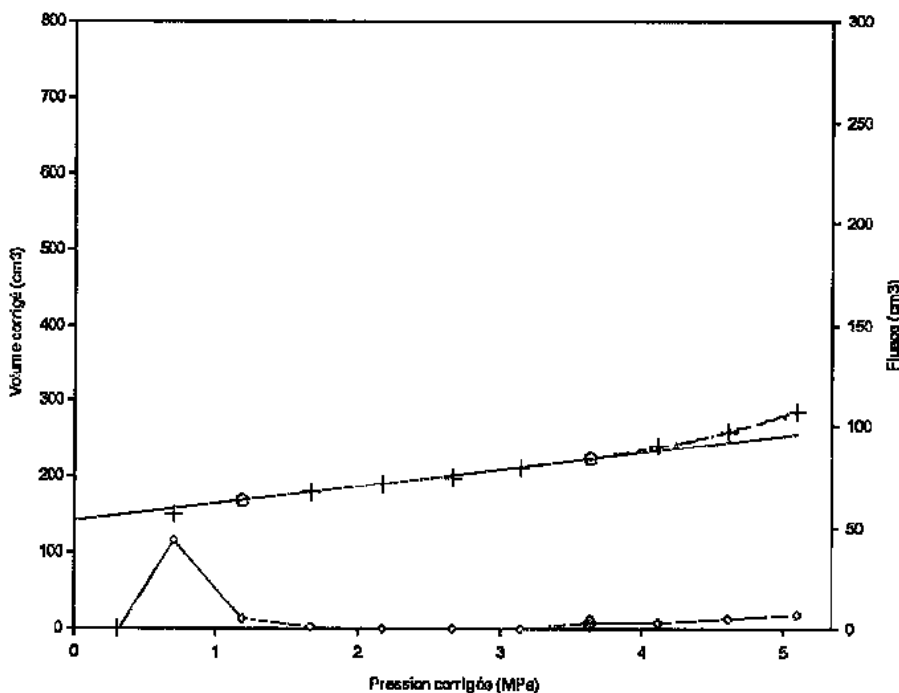
Pl = 6.35	Pmax = 5.02
Pl(i) = 6.35	Pf = 3.10
Pl(h) = 6.28	Po = 0.39
Pl(pf) = 4.65	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM 2009-5

Profondeur : 30.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
 $\alpha = 1.50 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 87.9$

Pl = 8.84	Pmax = 5.10
Pl(i) = 8.84	Pf = 3.64
Pl(h) = 6.92	Po = 0.40
Pl(pf) = 5.45	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

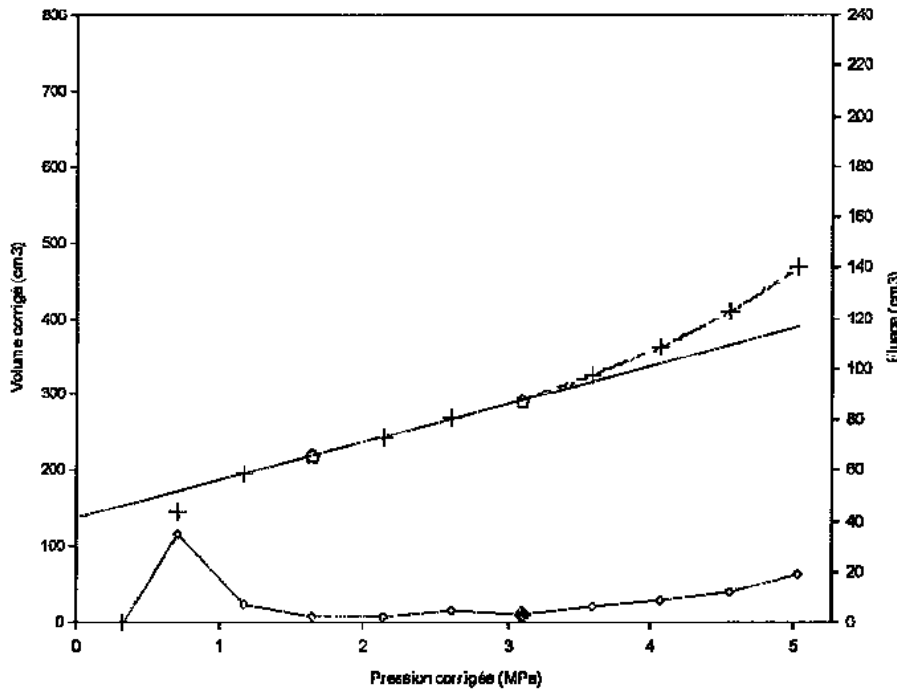
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Fichier : P9
Dernière mise à jour:
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Sondage: MPM 2009-5

Profondeur : 31.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 42.5

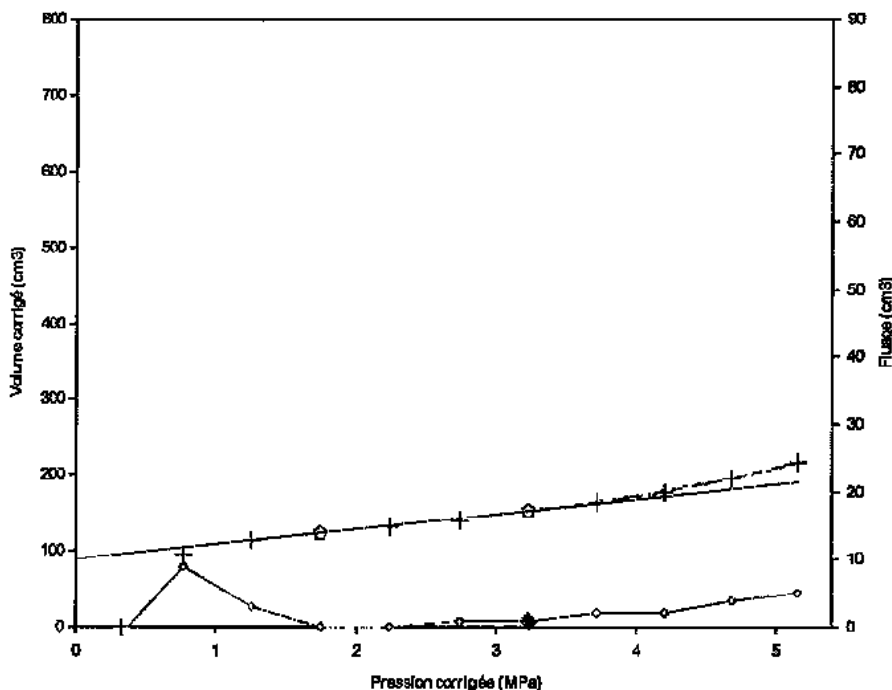
Pl = 6.68	Pmax = 5.03
Pl(i) = 6.68	Pf = 3.10
Pl(h) = 6.57	Po = 0.42
Pl(pf) = 4.65	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
o : fluage ⊙ : pf

Sondage: MPM 2009-5

Profondeur : 32.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 91.7

Pl = 8.56	Pmax = 5.16
Pl(i) = 8.56	Pf = 3.22
Pl(h) = 7.20	Po = 0.43
Pl(pf) = 4.83	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
o : fluage ⊙ : pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

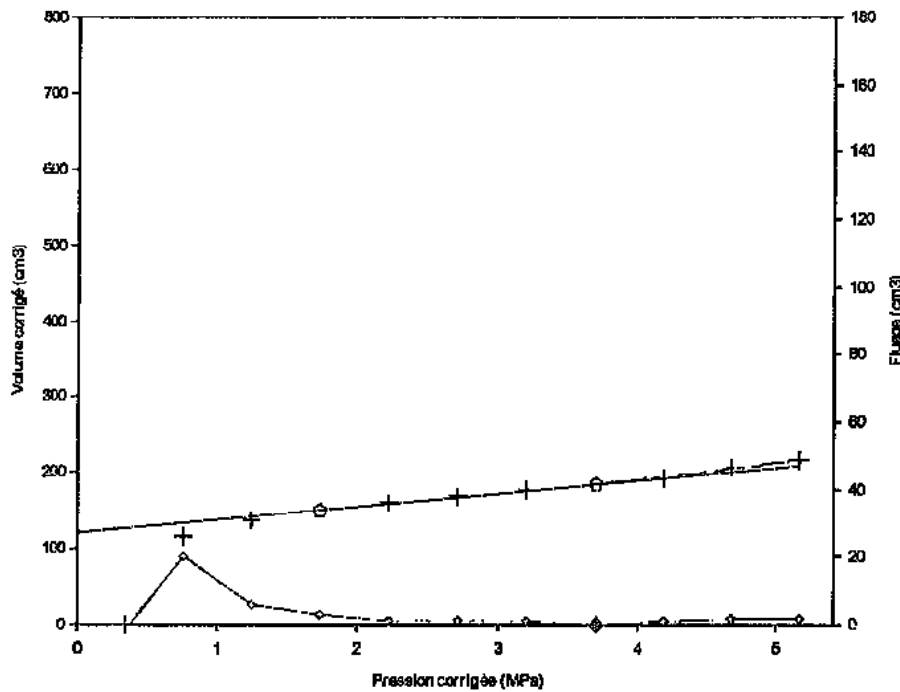
Programme: W-PRASSIO
Version : 1.1

FONDASOL
290 rue des Galoubets
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Sondage: MPM 2009-5

Profondeur : 33.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

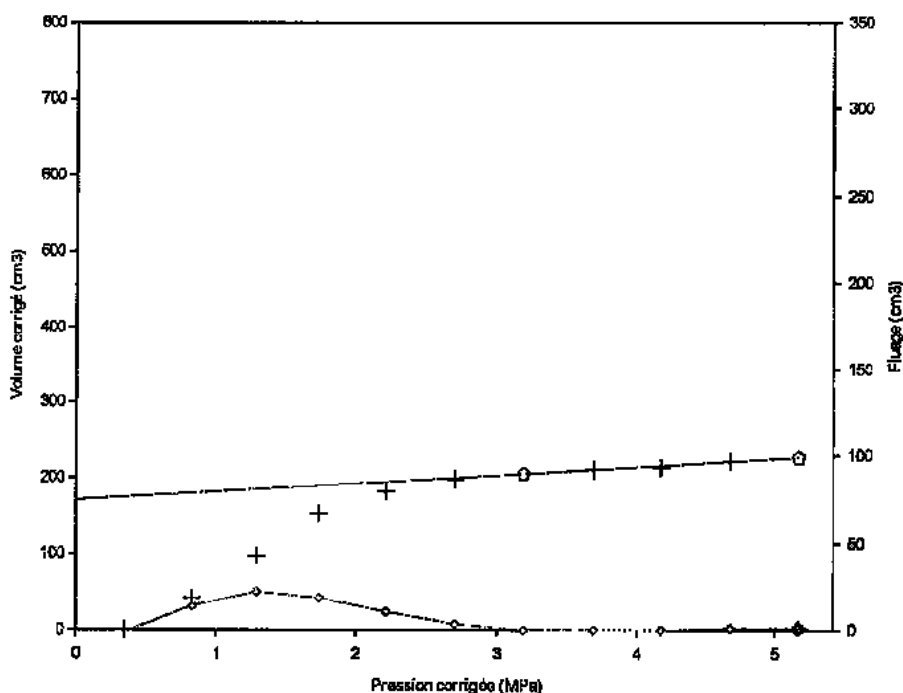
N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)
E_M = 111.5
Pl = 11.42 | Pmax = 5.17
Pl (i) = 11.42 | PF = 3.70
Pl (h) = 7.85 | Po = 0.44
Pl (Et) = 5.55

Légende:
--- : Pl (i) - - - : Pl (h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
o : fluage ◊ : PF

Sondage: MPM 2009-5

Profondeur : 34.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)
E_M = 188.7
Pl > 5.17 | Pmax = 5.17
PF > 5.17
Po = 0.46
Pl (PF) > 7.76

Légende:
--- : Pl (i) - - - : Pl (h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
o : fluage ◊ : PF

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

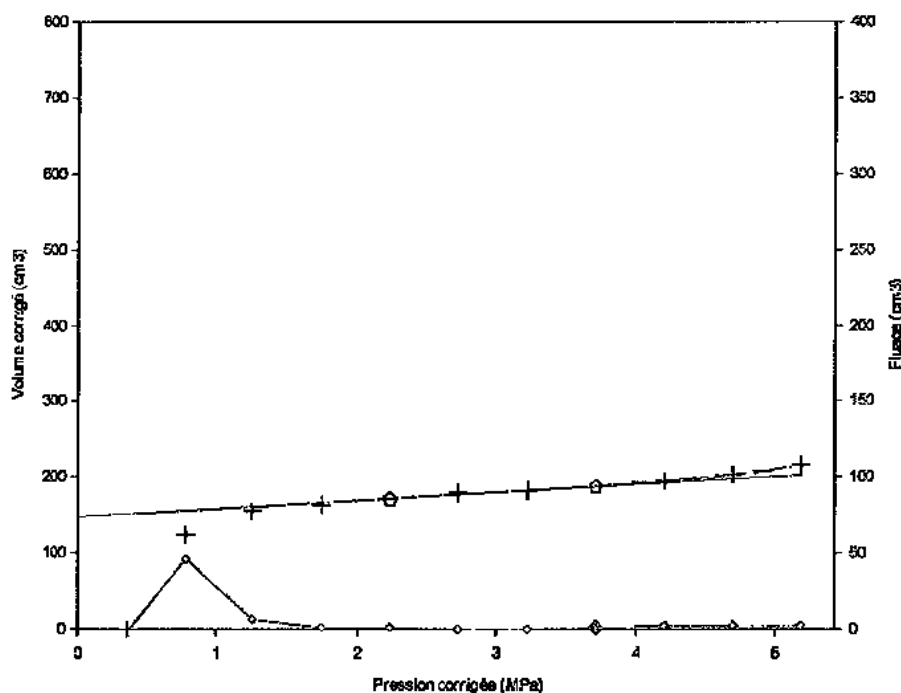
Programme: W-Pressio
Version : 1.1

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Fichier : P9
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Sondage: MPM 2009-5

Profondeur : 35.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3

Sonde: STANDARD

Gaine: 3 mm

a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 179.1

Pl = 12.77 | Pmax = 5.19

Pl(i) = 12.77 | Pf = 3.71

Pl(h) = 7.19 | Po = 0.47

Pl(pf) = 5.57

Légende:

--- : Pl(i) - - - : Pl(h)

+ : point de mesure

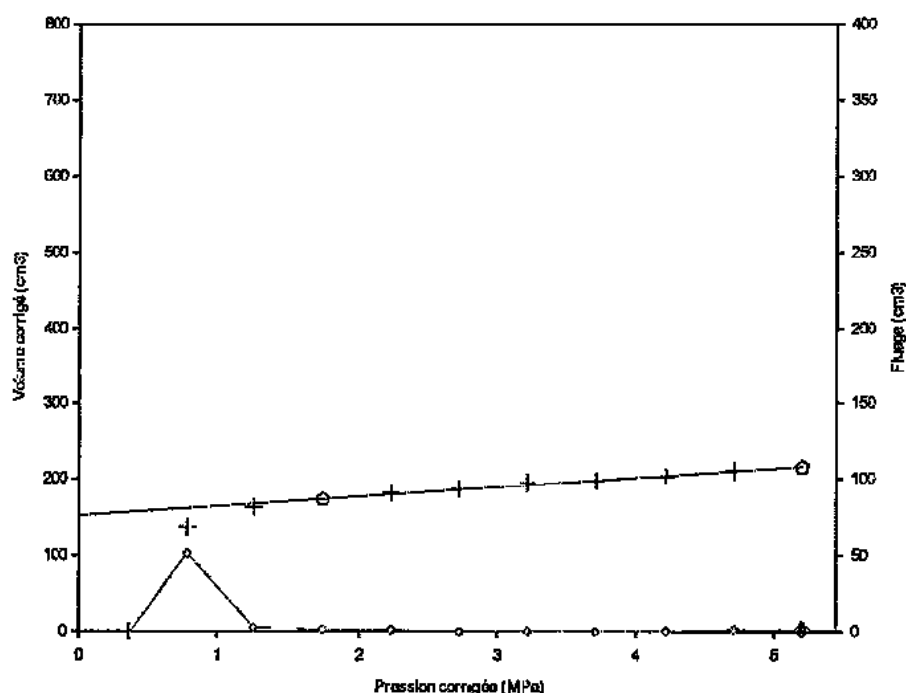
x : point non pris en compte

⊕ : extrémité de la phase linéaire

○ : filage ◆ : Pf

Sondage: MPM 2009-5

Profondeur : 36.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3

Sonde: STANDARD

Gaine: 3 mm

a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 157.1

Pl > 5.20 | Pmax = 5.20

Pf > 5.20

Po = 0.49

Pl(pf) > 7.80

Légende:

--- : Pl(i) - - - : Pl(h)

+ : point de mesure

x : point non pris en compte

⊕ : extrémité de la phase linéaire

○ : filage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

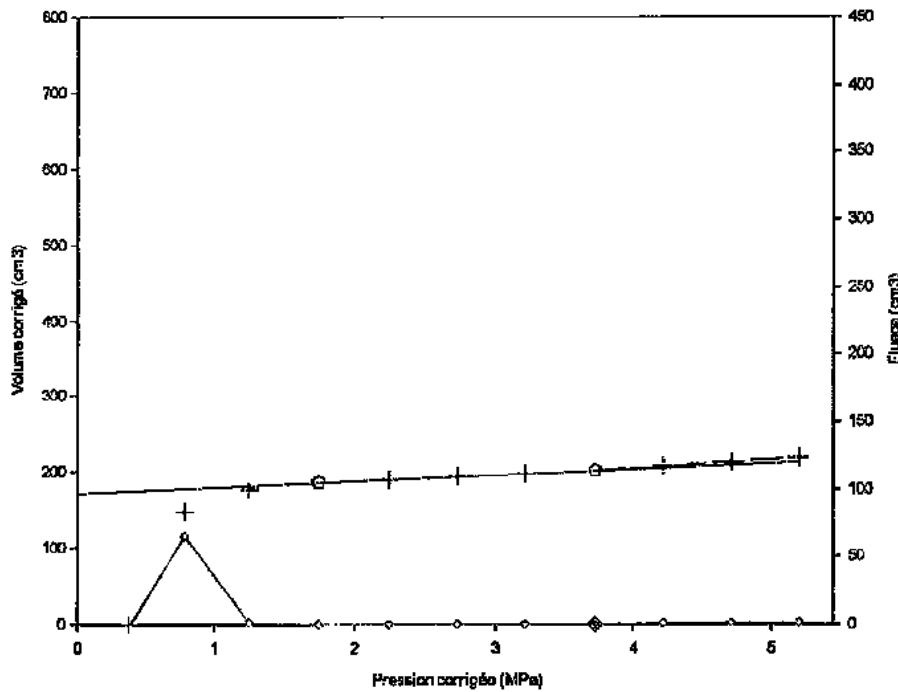
Programme: W-PRESSIO
Version : 1.1

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Sondage: MPM 2009-5

Profondeur : 37.00 m



Nappe: 1.90 m
K₀ (estimé)
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
 $\alpha = 1.50 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_x = 240.6

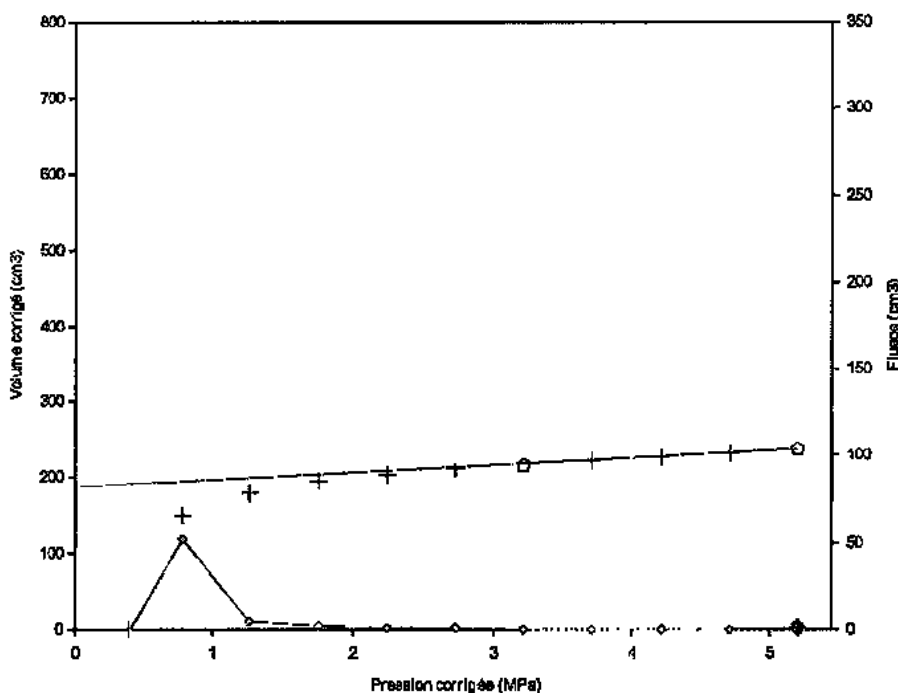
P _l = 19.18	P _{max} = 5.21
P _{l(i)} = 19.18	P _f = 3.72
P _{l(h)} = 10.50	P _o = 0.50
P _{l(pf)} = 5.58	

Légende:

--- : P_{l(i)} - - - : P_{l(h)}
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
o : fluage ◆ : P_f

Sondage: MPM 2009-5

Profondeur : 38.00 m



Nappe: 1.90 m
K₀ (estimé)
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
 $\alpha = 1.50 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

E_x = 211.6

P _l > 5.20	P _{max} = 5.20
	P _f > 5.20
	P _o = 0.51
P _{l(pf)} > 7.81	

Légende:

--- : P_{l(i)} - - - : P_{l(h)}
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
o : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

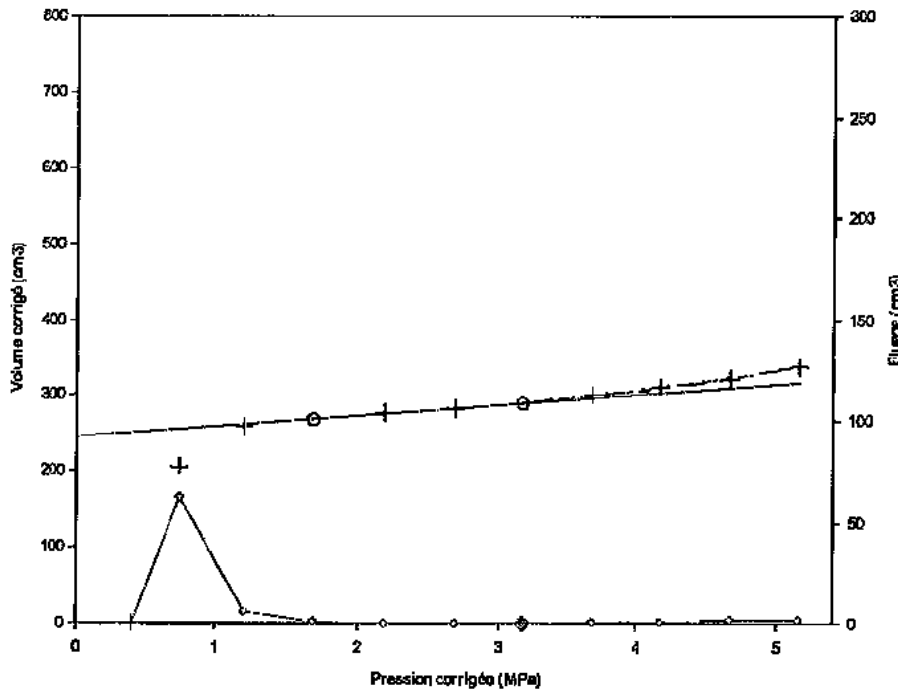
Programme: W-Pressio
Version : 1.1

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Sondage: MPM 2009-5

Profondeur : 39.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3

Sonde: STANDARD

Gaine: 3 mm

a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 155.4

Pl = 13.59 | Pmax = 5.16

Pl(i) = 13.59 | Pf = 3.18

Pl(h) = 8.02 | Po = 0.53

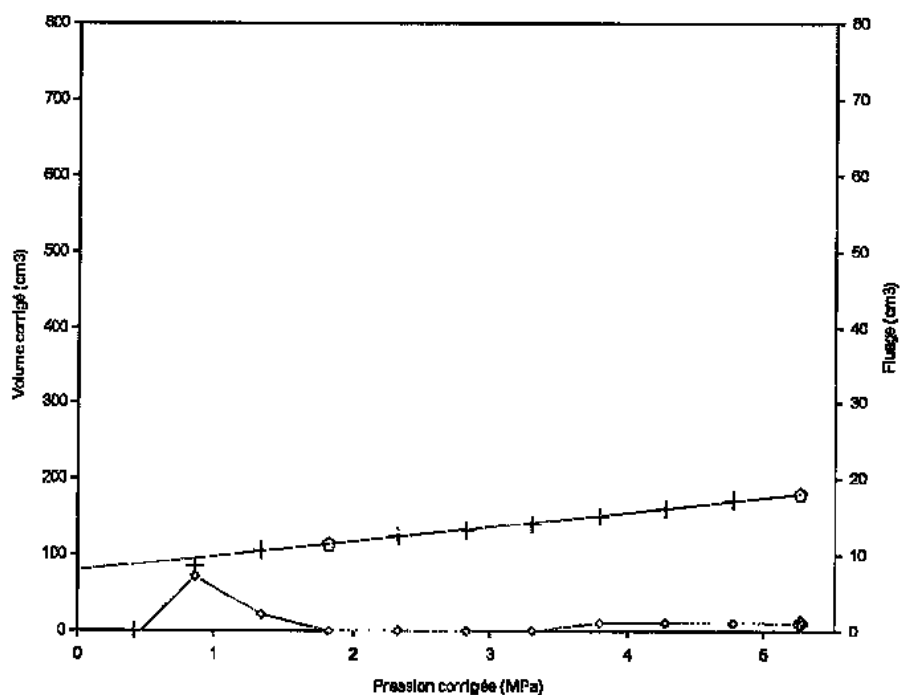
Pl(pf) = 4.77

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
o : fluage ◊ : Pf

Sondage: MPM 2009-5

Profondeur : 40.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3

Sonde: STANDARD

Gaine: 3 mm

a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 94.9

Pl > 5.27 | Pmax = 5.27

Pf > 5.27

Po = 0.54

Pl(pf) > 7.90

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
o : fluage ◊ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

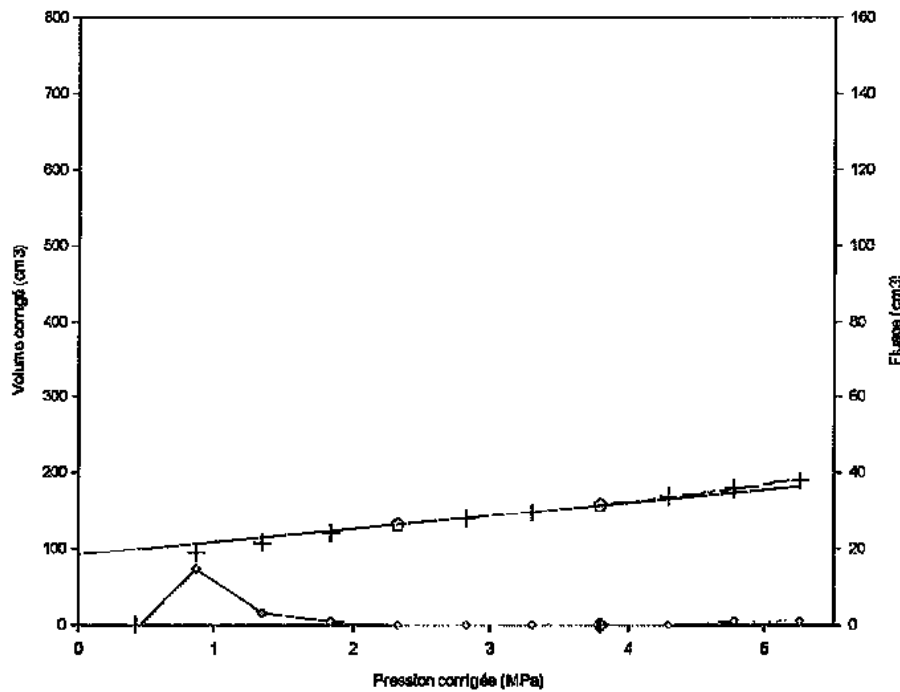
Programme: W-Pressio
Version : 1.1

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Sondage: MPM 2009-5

Profondeur : 41.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 103.5

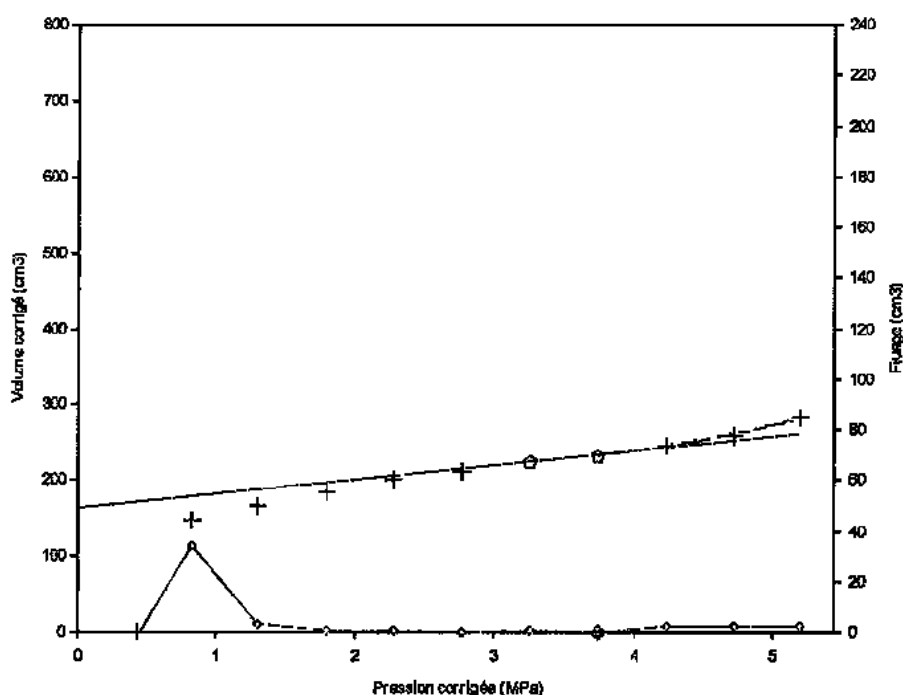
Pl = 10.62 | Pmax = 5.27
Pl(i) = 10.62 | Pf = 3.80
Pl(h) = 9.12 | Po = 0.55
Pl(Pf) = 5.70

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage o : Pf

Sondage: MPM 2009-5

Profondeur : 42.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 108.1

Pl = 10.16 | Pmax = 5.21
Pl(i) = 10.16 | Pf = 3.75
Pl(h) = 6.97 | Po = 0.57
Pl(Pf) = 5.62

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage o : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

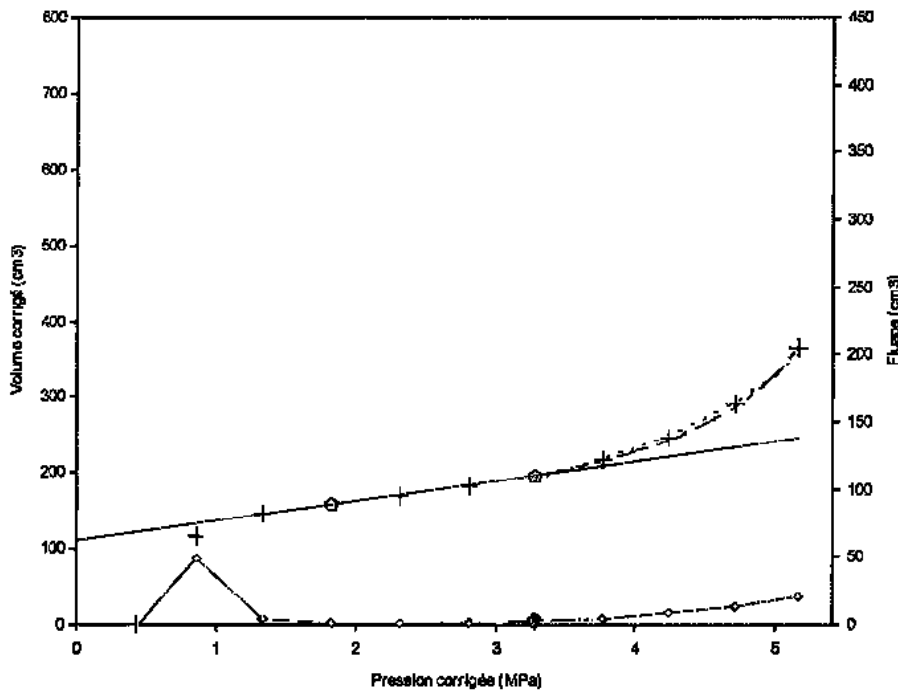
Programme: W-Pressio
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Fichier : P9
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Sondage: MPM 2009-5

Profondeur : 43.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3

Sonde: STANDARD

Gaine: 3 mm

a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 73.5

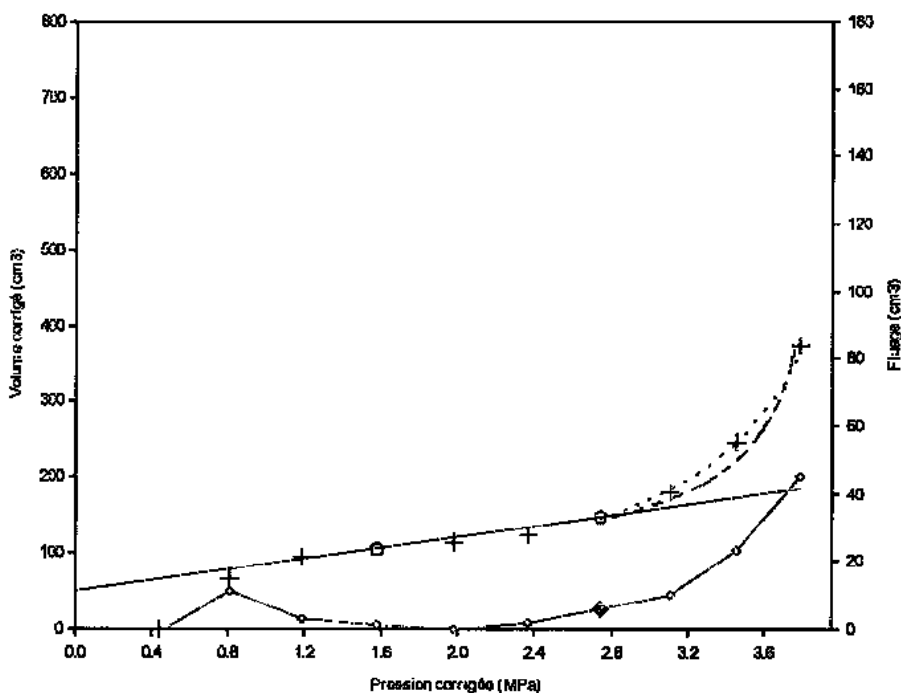
P _l = 6.54	P _{max} = 5.19
P _l (i) = 6.54	P _f = 3.29
P _l (h) = 5.75	P ₀ = 0.58
P _l (pf) = 4.93	

Légende:

--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
o : fluage ◊ : P_f

Sondage: MPM 2009-5

Profondeur : 44.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3

Sonde: STANDARD

Gaine: 3 mm

a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 49.7

P _l = 4.15	P _{max} = 3.79
P _l (i) = 4.15	P _f = 2.74
P _l (h) = 3.89	P ₀ = 0.59
P _l (pf) = 4.11	

Légende:

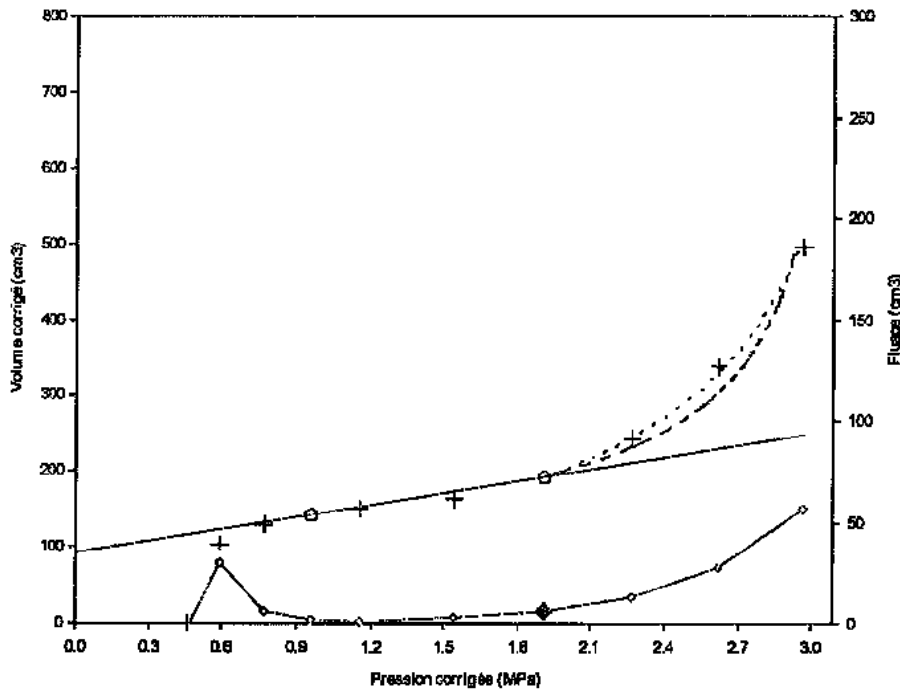
--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
o : fluage ◊ : P_f

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Sondage: MPM 2009-5



Profondeur : 45.00 m

Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
 $\alpha = 1.50 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

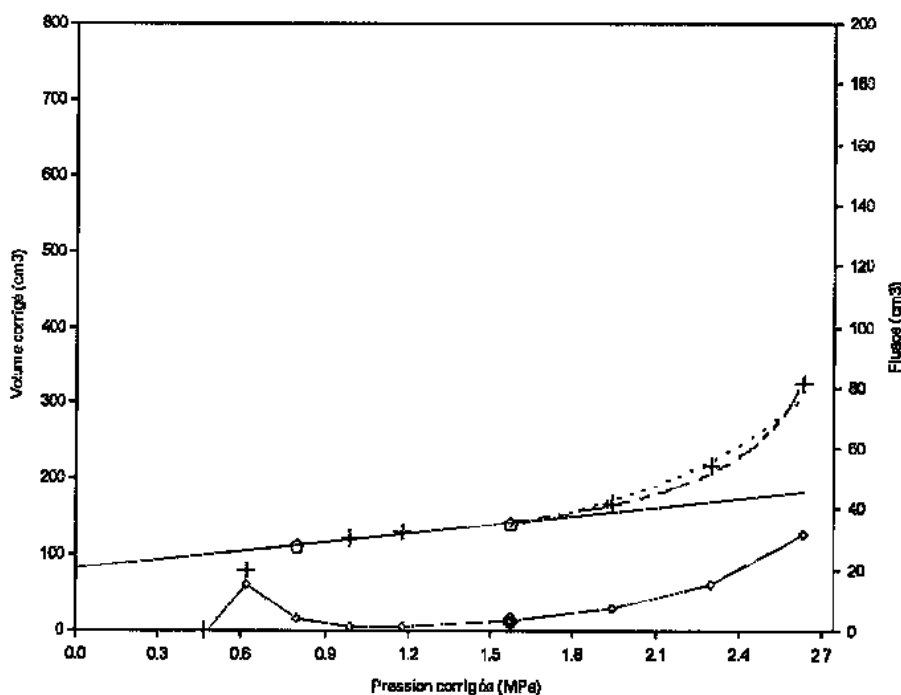
$E_M = 36.0$

PI = 3.21	Pmax = 2.96
PI(i) = 3.21	Pf = 1.91
PI(h) = 3.05	Po = 0.61
PI(Pf) = 2.87	

Légende:

--- : PI(i) - - - : PI(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
o : fluage ◆ : Pf

Sondage: MPM 2009-5



Profondeur : 46.00 m

Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: 3 mm
 $\alpha = 1.50 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 45.6$

PI = 3.16	Pmax = 2.63
PI(i) = 3.16	Pf = 1.57
PI(h) = 2.79	Po = 0.62
PI(Pf) = 2.35	

Légende:

--- : PI(i) - - - : PI(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
o : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SIZEWELL B - GROUND INVESTIGATION

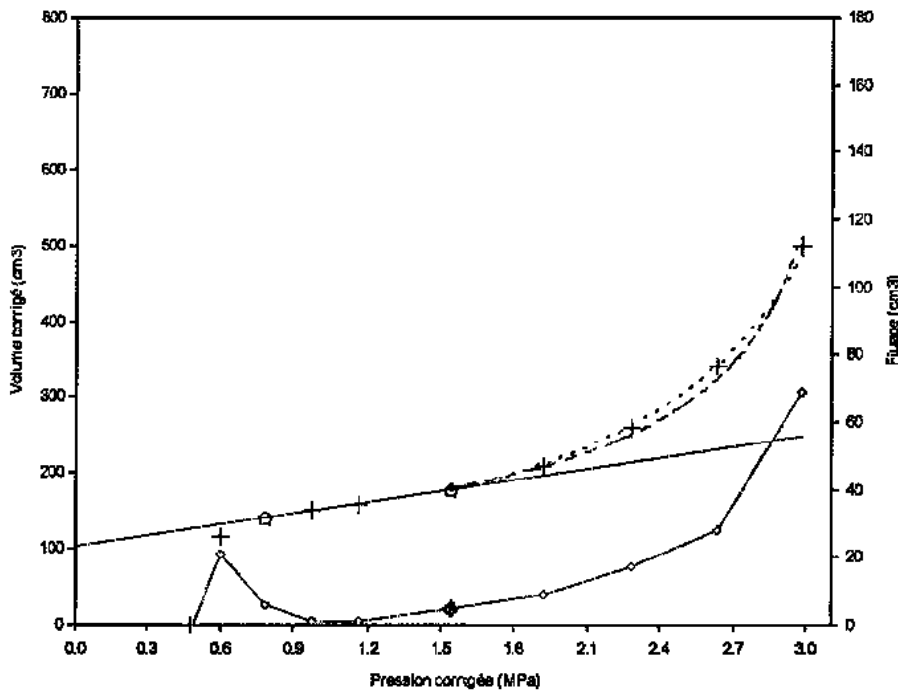
Programme: W-Pressio
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Sondage: MPM 2009-5

Profondeur : 47.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3

Sonde: STANDARD

Gaine: 3 mm

a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 37.3

Pl = 3.32 | Pmax = 2.98

Pl(i) = 3.32 | Pf = 1.54

Pl(h) = 3.12 | Po = 0.64

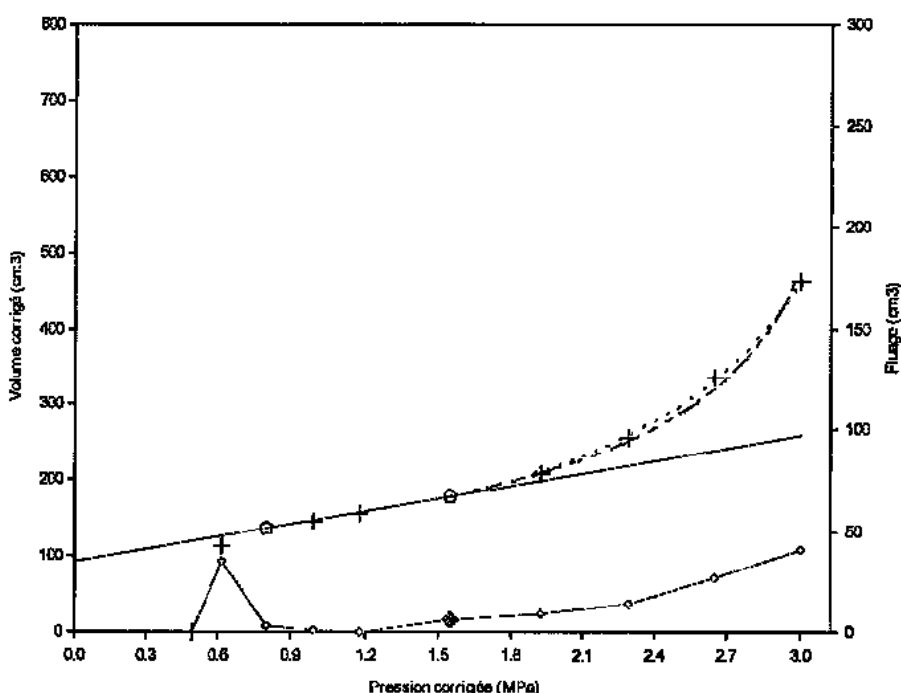
Pl(pf) = 2.32

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

Sondage: MPM 2009-5

Profondeur : 48.00 m



Nappe: 1.90 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3

Sonde: STANDARD

Gaine: 3 mm

a = 1.50 cm³/MPa

(valeurs en MPa)

E_M = 33.5

Pl = 3.39 | Pmax = 3.00

Pl(i) = 3.39 | Pf = 1.55

Pl(h) = 3.21 | Po = 0.65

Pl(pf) = 2.33

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

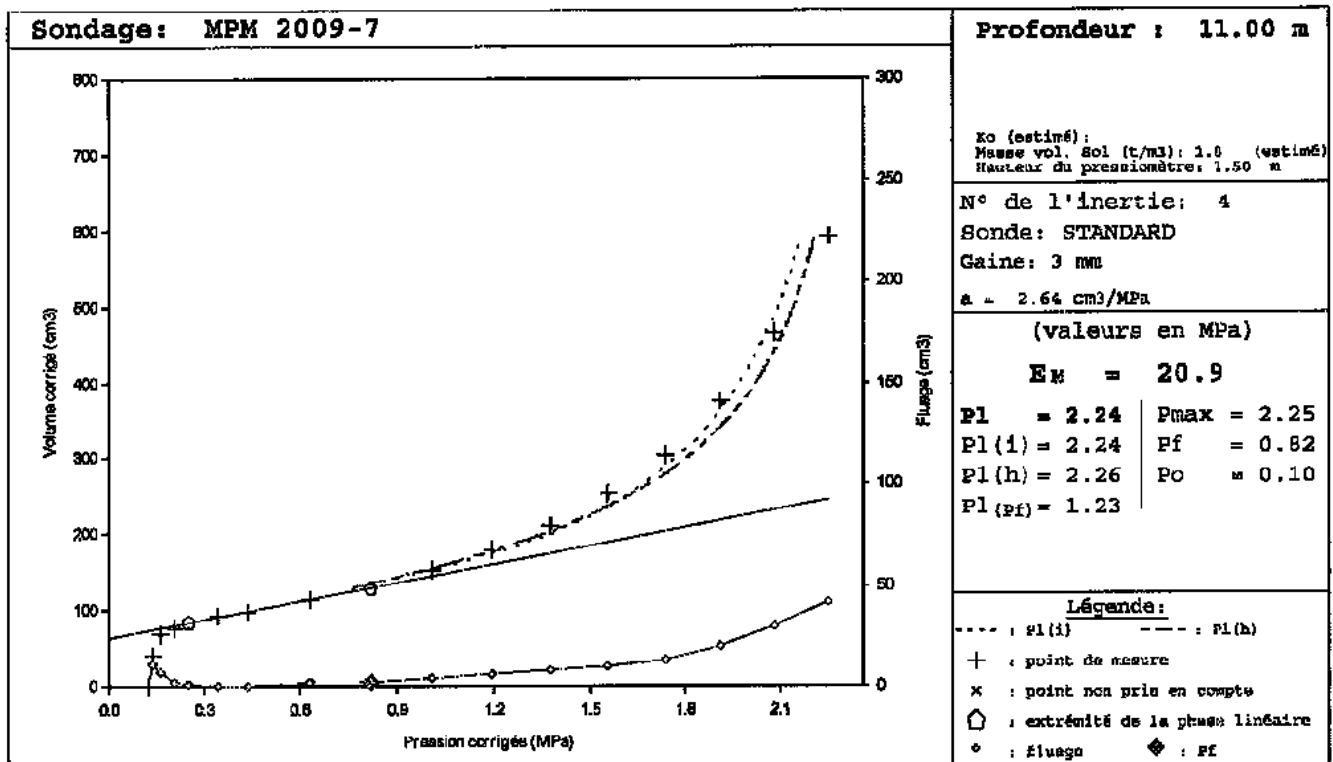
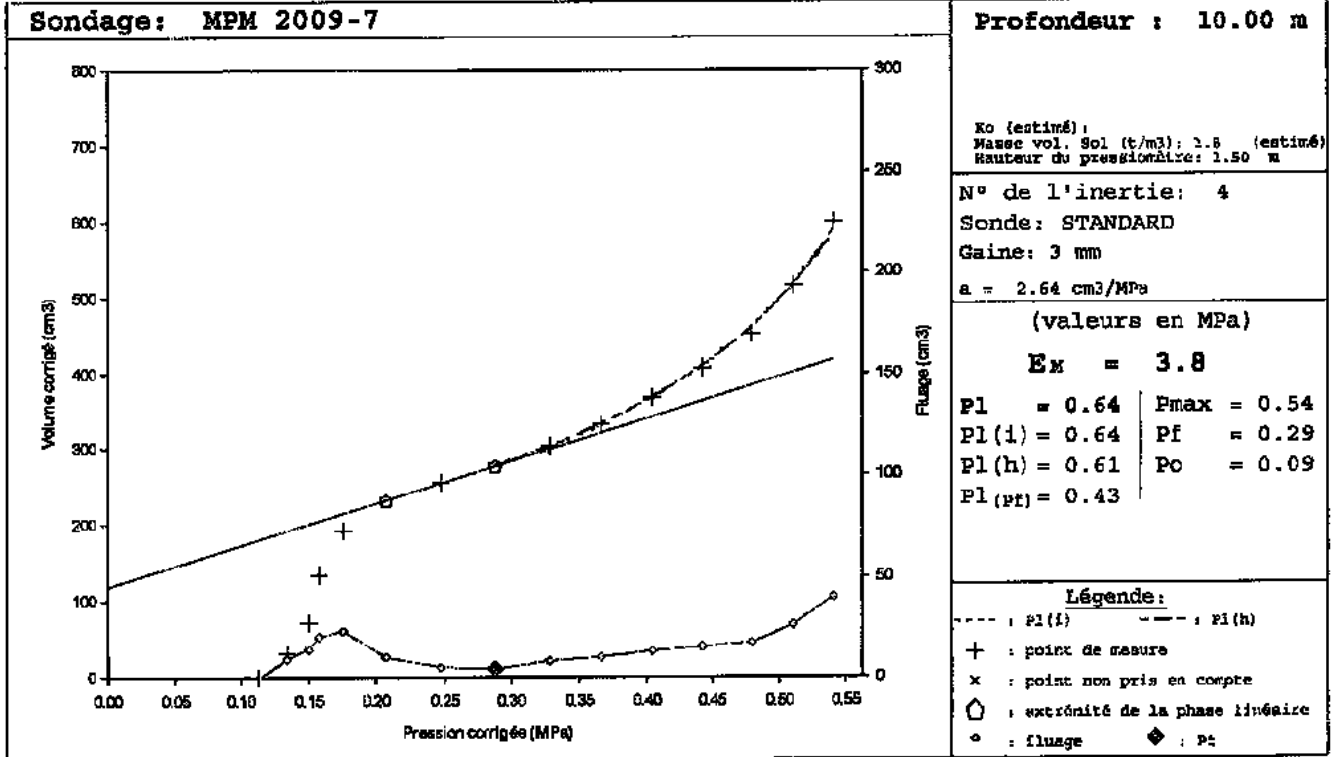
ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

Programme: W-Pressio
Version : 1.1

FONDASOL
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84140 MONTFAVET

Fichier : P8
Dernière mise à jour:
19/10/2010 09:00:09



AFFAIRE N°: ML.100119

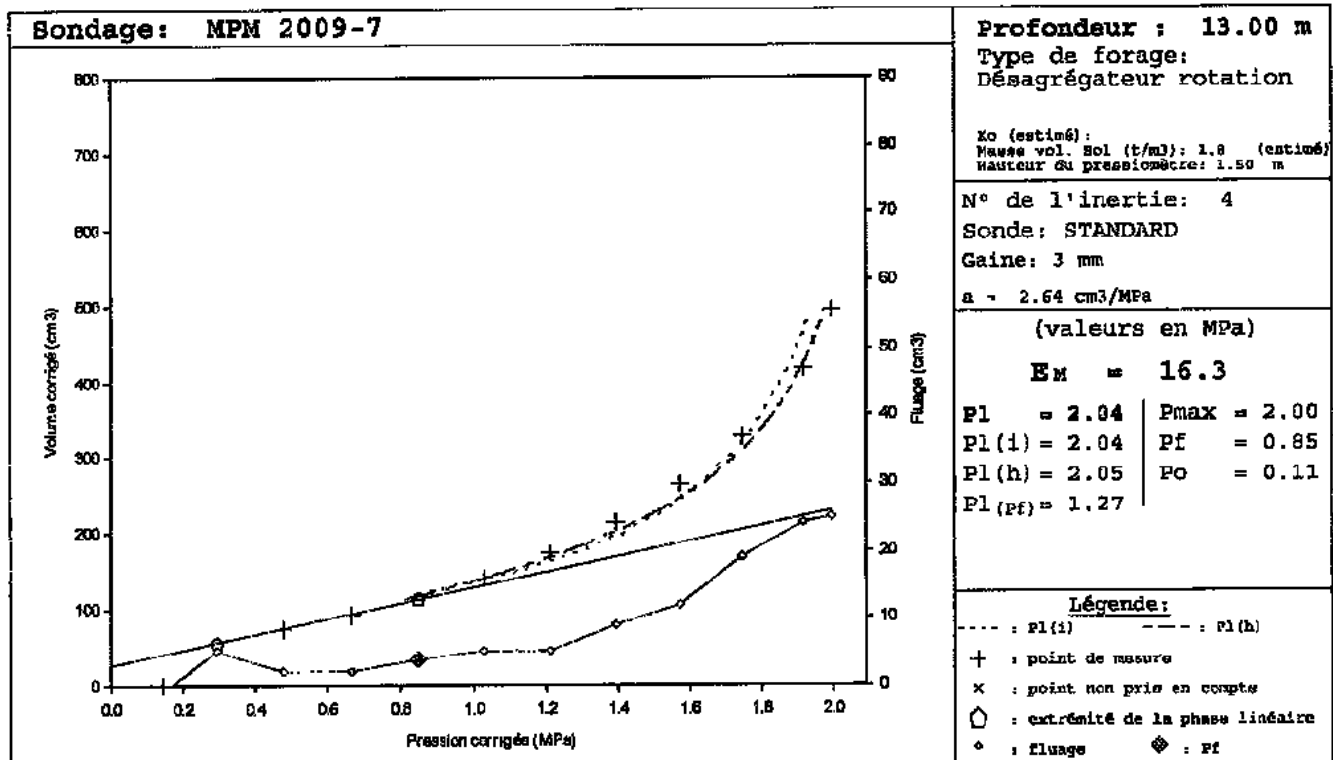
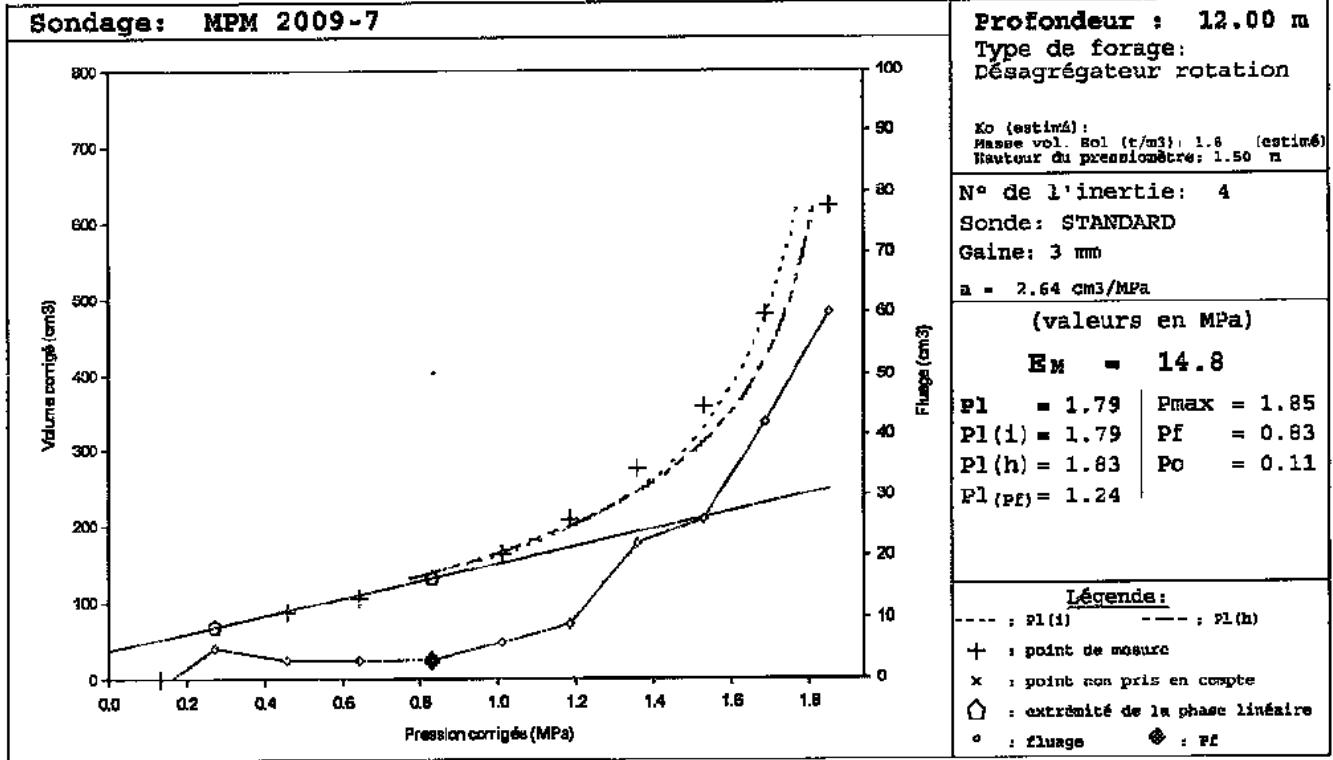
ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

Programme: W-Pressio
Version : 1.1

FONDASOL
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Fichier : P8
Dernière mise à jour:
19/10/2010 09:00:09



AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

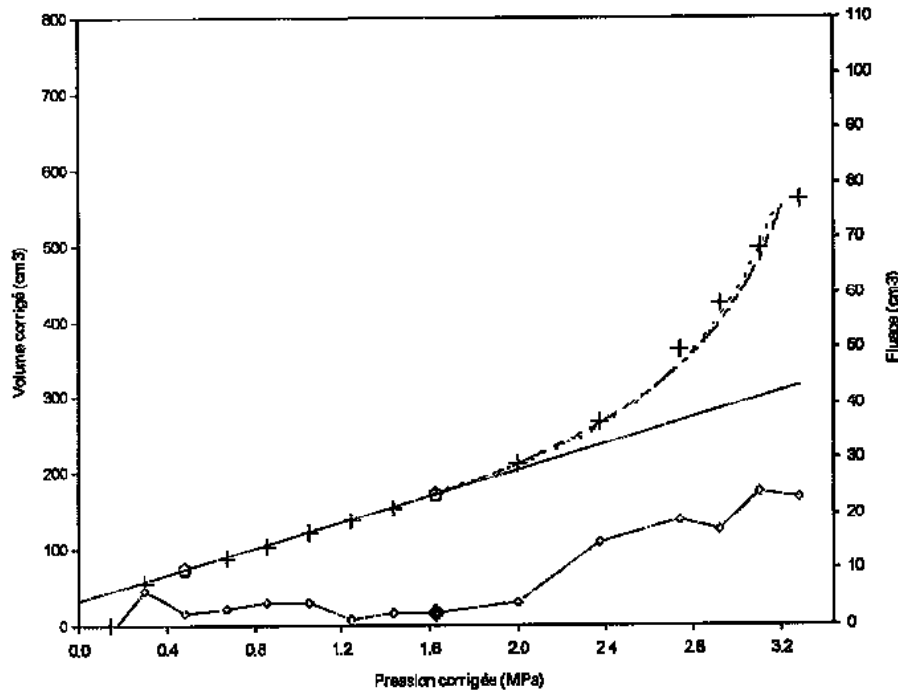
Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

Programme: W-Pressio
Version : 1.1

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Sondage: MPM 2009-7



Profondeur : 14.00 m
Type de forage:
Désagrégateur rotation

Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.20 m

N° de l'inertie: 4

Sonde: STANDARD

Gaine: 3 mm

a = 2.64 cm³/MPa

(valeurs en MPa)

E_M = 20.3

P1 = 3.32 | Pmax = 3.28

P1(i) = 3.32 | Pf = 1.62

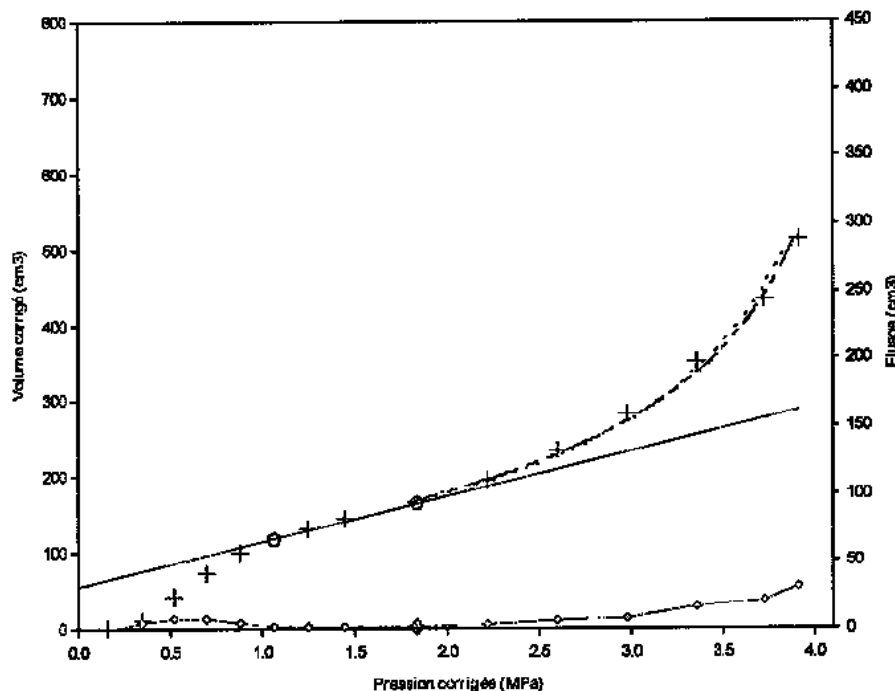
P1(h) = 3.33 | Po = 0.12

P1(Pf) = 2.43

Légende:

- : P1(i) -.- : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage ♦ : Pf

Sondage: MPM 2009-7



Profondeur : 15.00 m
Type de forage:
Désagrégateur rotation

Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.20 m

N° de l'inertie: 4

Sonde: STANDARD

Gaine: 3 mm

a = 2.64 cm³/MPa

(valeurs en MPa)

E_M = 30.3

P1 = 4.24 | Pmax = 3.91

P1(i) = 4.24 | Pf = 1.83

P1(h) = 4.15 | Po = 0.13

P1(Pf) = 2.75

Légende:

- : P1(i) -.- : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage ♦ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

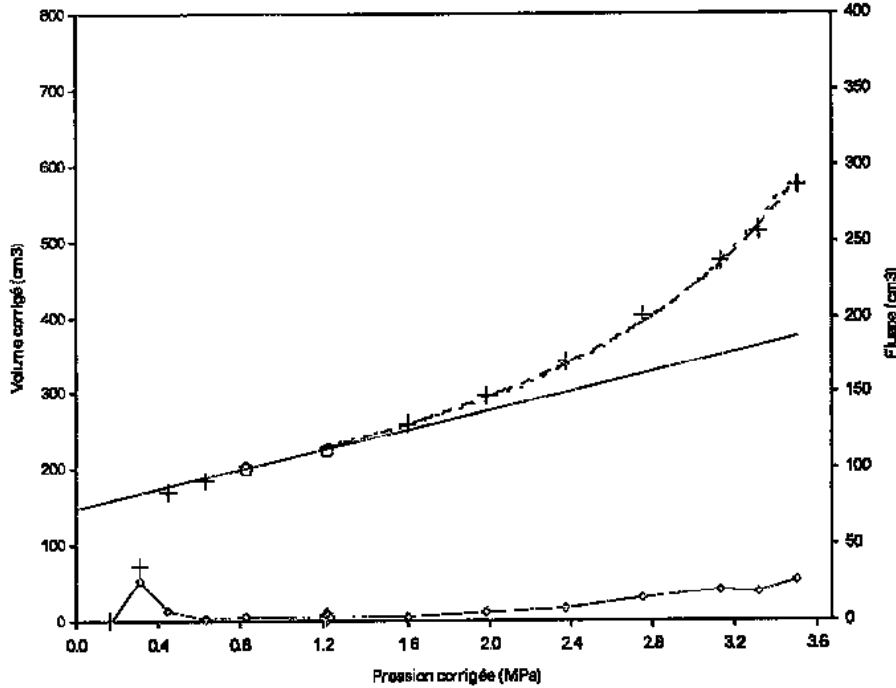
Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

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FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P8
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Sondage: MPM 2009-7



Profondeur : 16.00 m
Type de forage:
Désagrégateur rotation

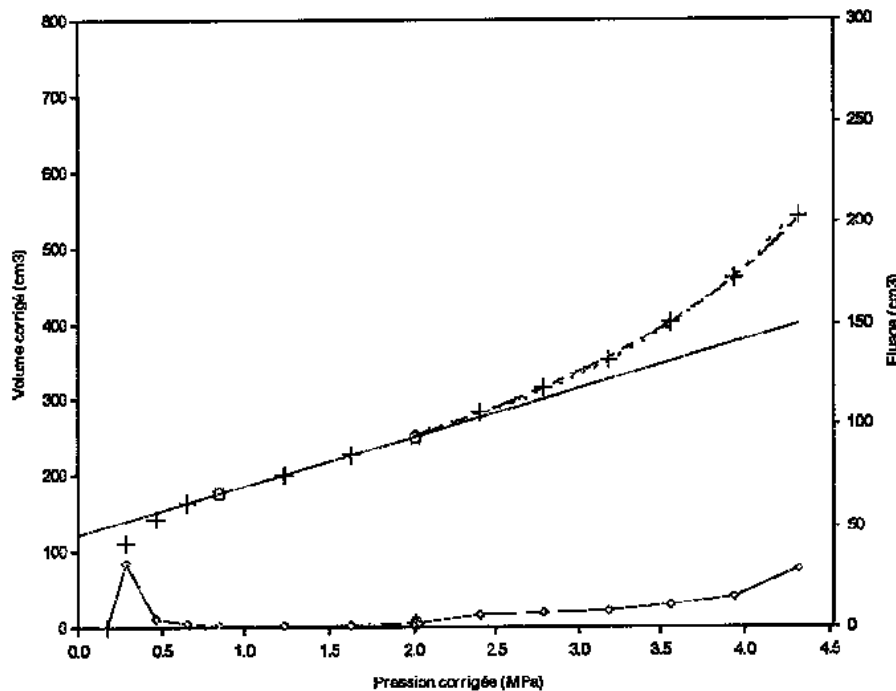
K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.20 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: 3 mm
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 30.9$
 $Pl = 4.03$ | $P_{max} = 3.50$
 $Pl(i) = 4.03$ | $P_f = 1.22$
 $Pl(h) = 3.98$ | $P_0 = 0.14$
 $Pl(Pf) = 1.82$

Légende:
--- : $Pl(i)$ - - - : $Pl(h)$
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM 2009-7



Profondeur : 17.00 m
Type de forage:
Désagrégateur rotation

K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: 3 mm
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 31.0$
 $Pl = 5.08$ | $P_{max} = 4.32$
 $Pl(i) = 5.08$ | $P_f = 2.02$
 $Pl(h) = 5.11$ | $P_0 = 0.15$
 $Pl(Pf) = 3.02$

Légende:
--- : $Pl(i)$ - - - : $Pl(h)$
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

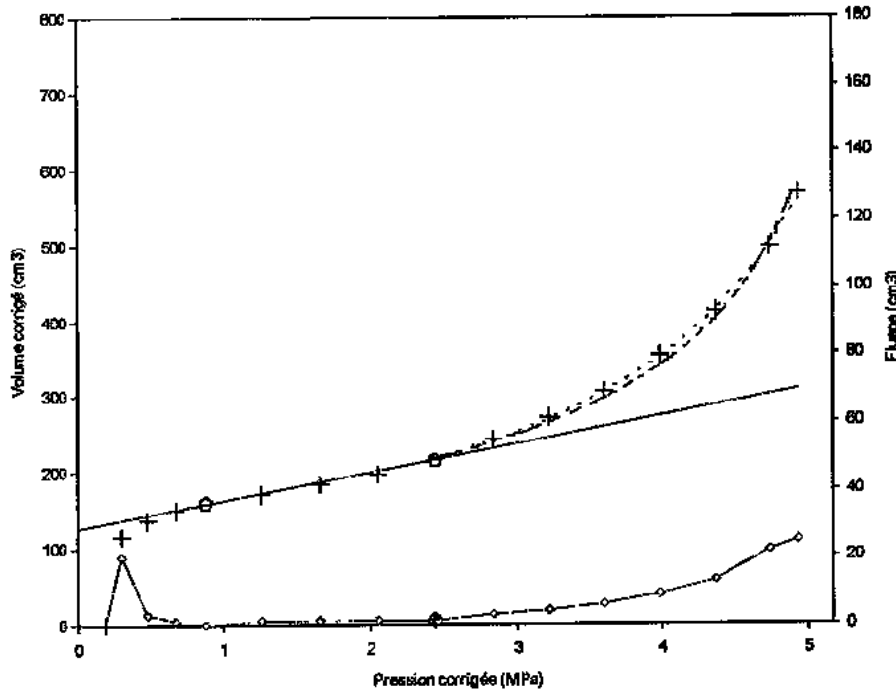
Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

Programme: W-Pressio
Version : 1.1

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19/10/2010 09:00:09

Sondage: MPM 2009-7



Profondeur : 18.00 m
Type de forage:
Désagrégateur rotation

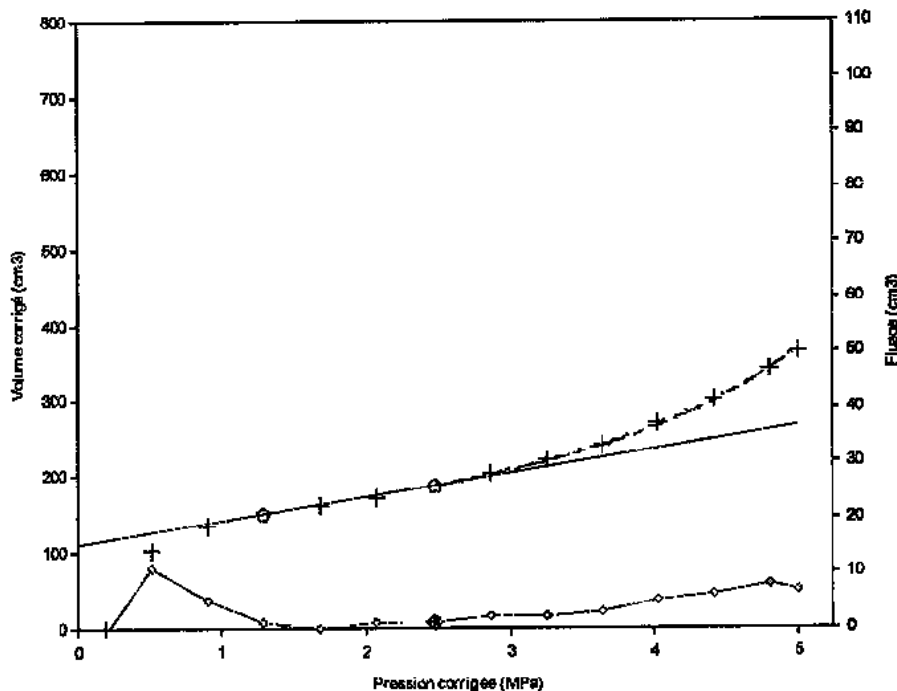
Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: 3 mm
a = 2.64 cm³/MPa

(valeurs en MPa)
EM = 52.3
P1 = 5.50 | Pmax = 4.92
P1(i) = 5.50 | Pf = 2.44
P1(h) = 5.20 | Po = 0.16
P1(Pf) = 3.66

Légende:
- - - : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
○ : fluage ◆ : Pf

Sondage: MPM 2009-7



Profondeur : 19.00 m
Type de forage:
Désagrégateur rotation

Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: 3 mm
a = 2.64 cm³/MPa

(valeurs en MPa)
EM = 59.9
P1 = 6.52 | Pmax = 4.99
P1(i) = 6.52 | Pf = 2.46
P1(h) = 6.00 | Po = 0.17
P1(Pf) = 3.70

Légende:
- - - : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
○ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

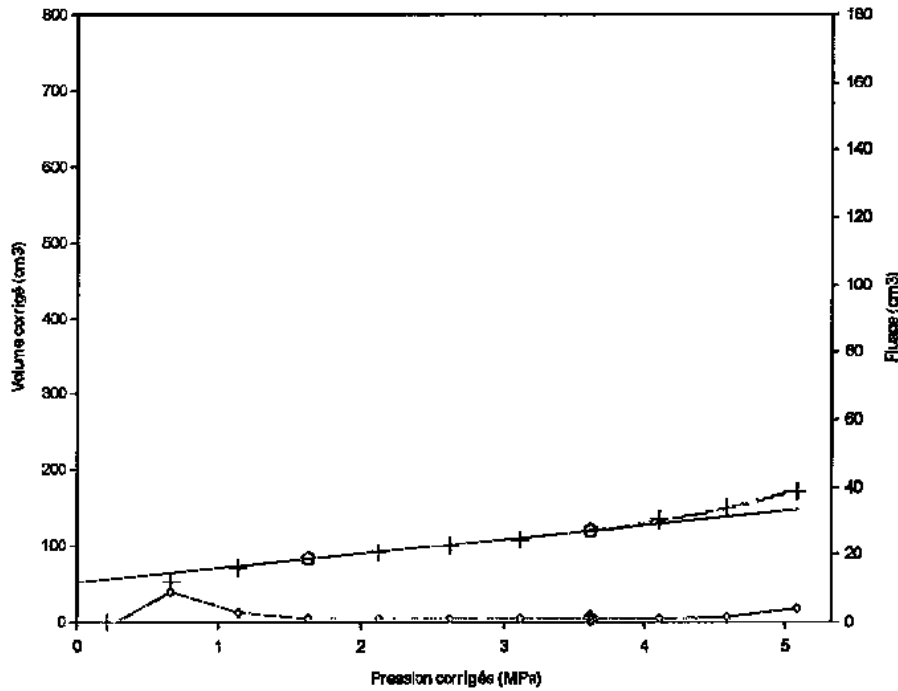
Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

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Version : 1.1

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Dernière mise à jour:
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Sondage: MPM 2009-7



Profondeur : 20.00 m
Type de forage:
Désagrégateur rotation

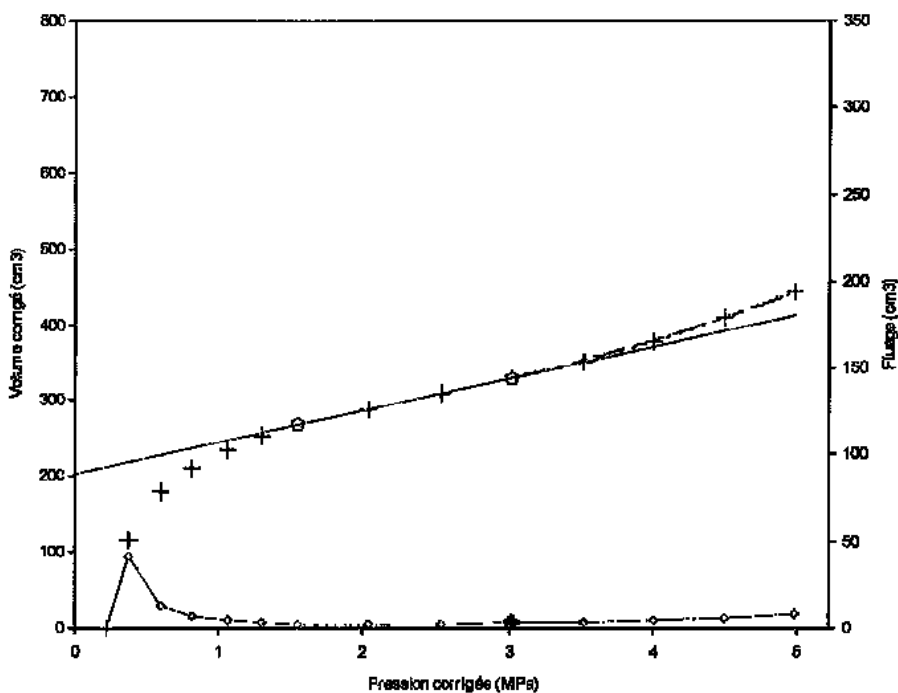
Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: 3 mm
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 91.1$
Pl = 7.70 | Pmax = 5.08
Pl(i) = 7.70 | Pf = 3.61
Pl(h) = 6.42 | Po = 0.18
Pl(pf) = 5.41

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage

Sondage: MPM 2009-7



Profondeur : 21.00 m
Type de forage:
Désagrégateur rotation

Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: 3 mm
 $a = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 52.8$
Pl = 8.30 | Pmax = 4.99
Pl(i) = 8.30 | Pf = 3.02
Pl(h) = 8.50 | Po = 0.19
Pl(pf) = 4.54

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

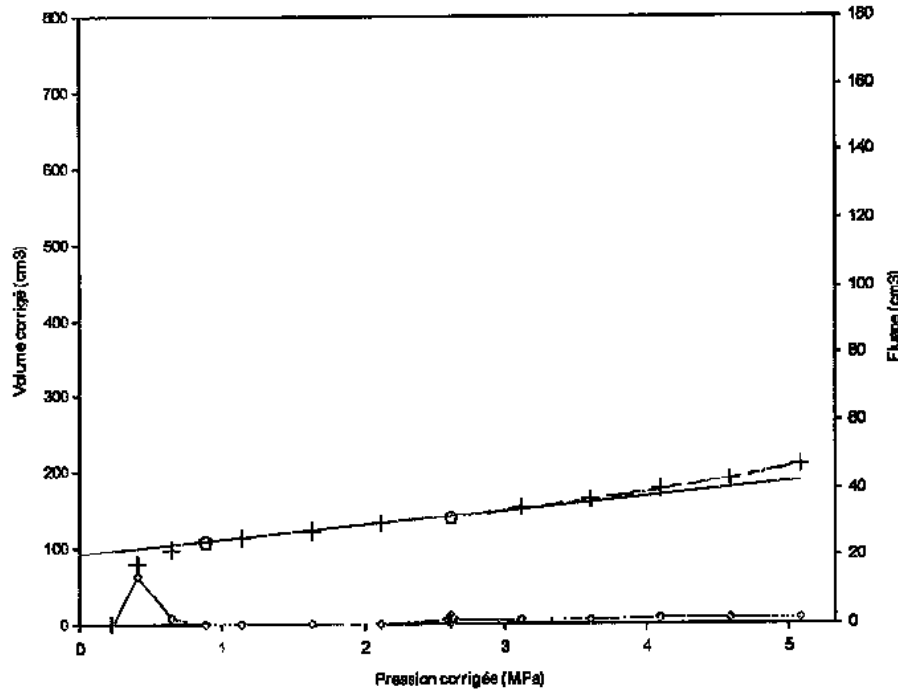
Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

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Sondage: MPM 2009-7



Profondeur : 22.00 m
Type de forage:
Désagrégateur rotation

Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4

Sonde: STANDARD

Gaine: 3 mm

a = 2.64 cm³/MPa

(valeurs en MPa)

EM = 93.6

Pl = 8.87 | Pmax = 5.08

Pl(i) = 8.87 | Pf = 2.62

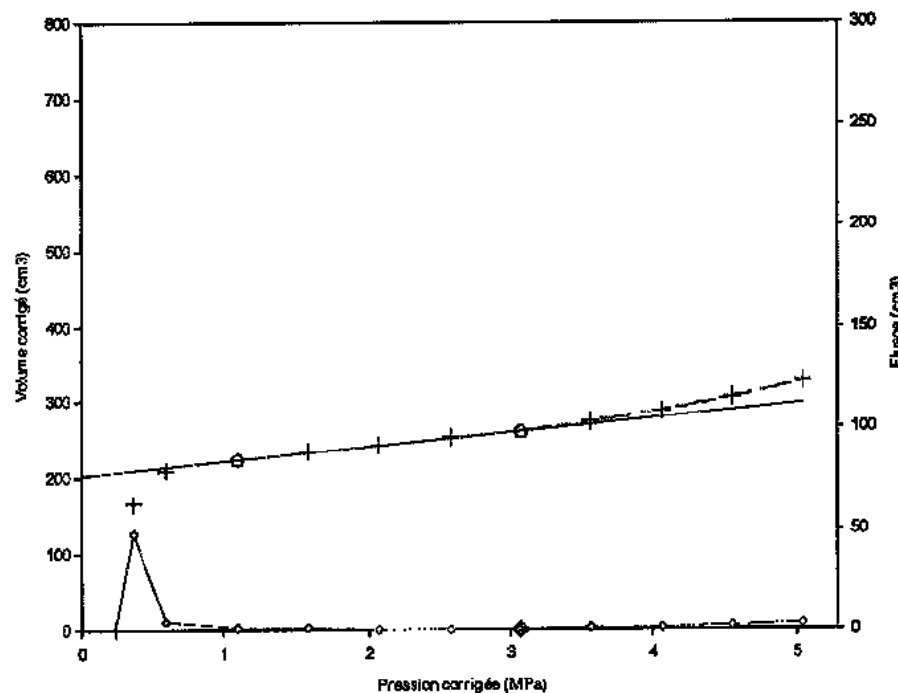
Pl(h) = 7.94 | Po = 0.19

Pl(Pf) = 3.93

Légende:

- - - : Pl(i)
- : Pl(h)
- + : point de mesure
- x : point non pris en compte
- O : extrémité de la phase linéaire
- o : fluage
- ◆ : Pf

Sondage: MPM 2009-7



Profondeur : 23.00 m
Type de forage:
Désagrégateur rotation

Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.80 m

N° de l'inertie: 4

Sonde: STANDARD

Gaine: 3 mm

a = 2.64 cm³/MPa

(valeurs en MPa)

EM = 108.8

Pl = 10.45 | Pmax = 5.04

Pl(i) = 10.45 | Pf = 3.07

Pl(h) = 7.76 | Po = 0.20

Pl(Pf) = 4.60

Légende:

- - - : Pl(i)
- : Pl(h)
- + : point de mesure
- x : point non pris en compte
- O : extrémité de la phase linéaire
- o : fluage
- ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

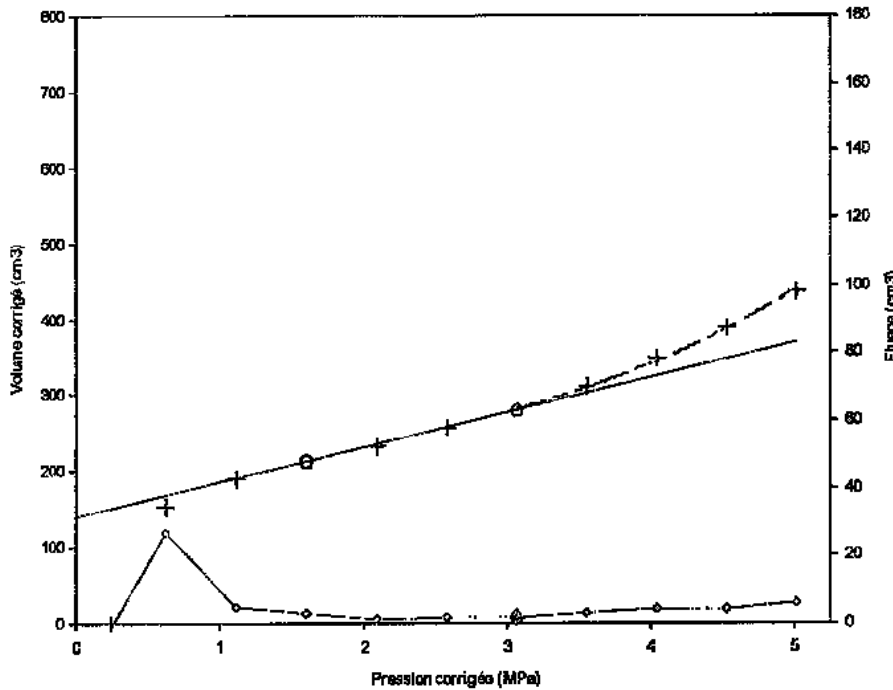
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Profondeur : 24.00 m
Type de forage:
Désagrégateur rotation

K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.20 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: 3 mm
a = 2.64 cm³/MPa

(valeurs en MPa)

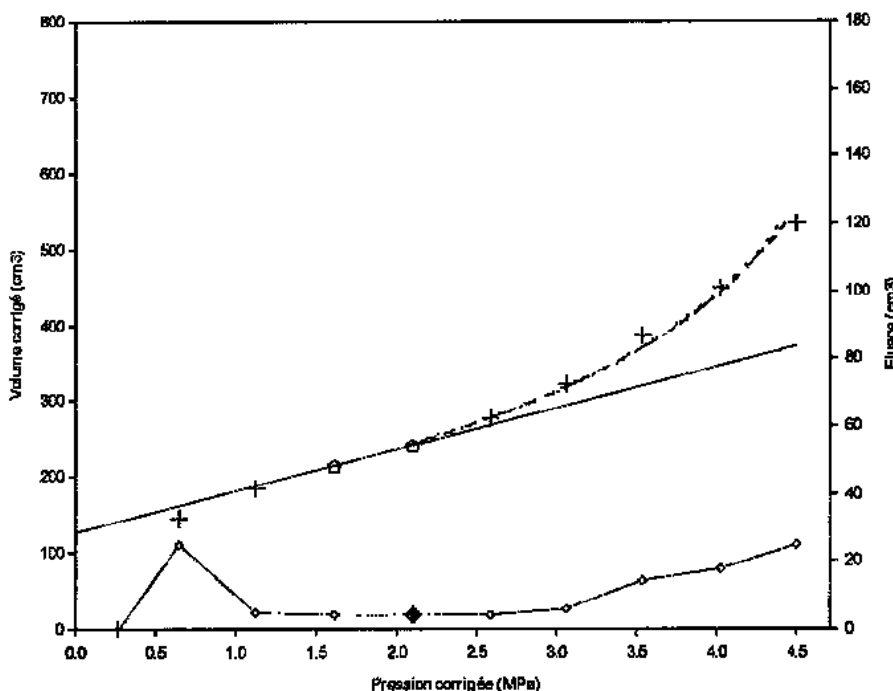
E_M = 45.6

Pl = 6.90	Pmax = 5.01
Pl(i) = 6.90	Pf = 3.07
Pl(h) = 6.60	Po = 0.21
Pl(pf) = 4.60	

Légende:

- : Pl(i)
- : Pl(h)
- + : point de mesure
- x : point non pris en compte
- O : extrémité de la phase linéaire
- o : fluage
- ◆ : Pf

Sondage: MPM 2009-7



Profondeur : 25.00 m
Type de forage:
Désagrégateur rotation

K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.20 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: 3 mm
a = 2.64 cm³/MPa

(valeurs en MPa)

E_M = 37.1

Pl = 5.28	Pmax = 4.50
Pl(i) = 5.28	Pf = 2.10
Pl(h) = 5.16	Po = 0.22
Pl(pf) = 3.14	

Légende:

- : Pl(i)
- : Pl(h)
- + : point de mesure
- x : point non pris en compte
- O : extrémité de la phase linéaire
- o : fluage
- ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

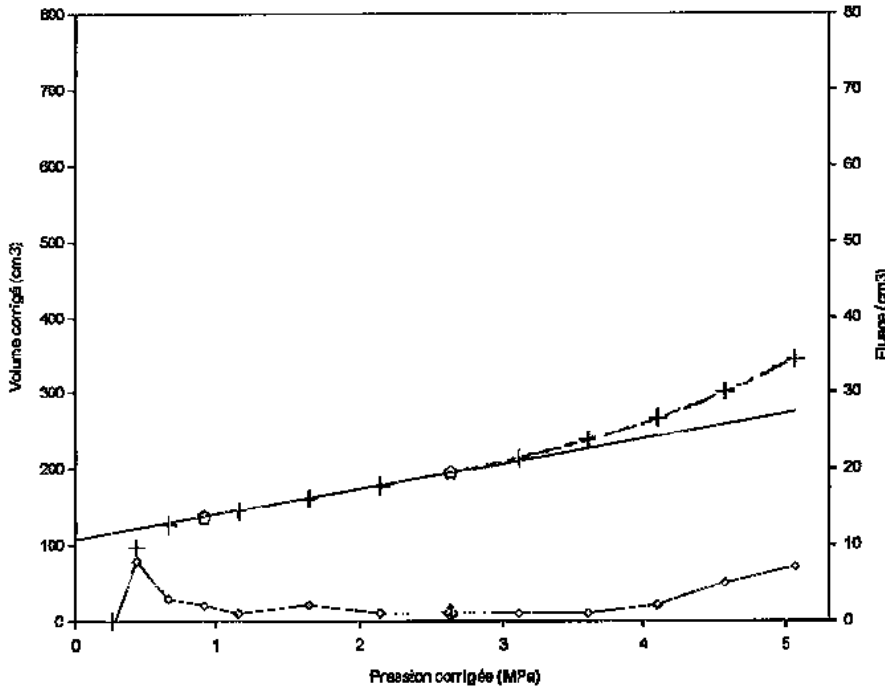
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Sondage: MPM 2009-7



Profondeur : 26.00 m
Type de forage:
Désagrégateur rotation

K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.20 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: 3 mm
 $\alpha = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

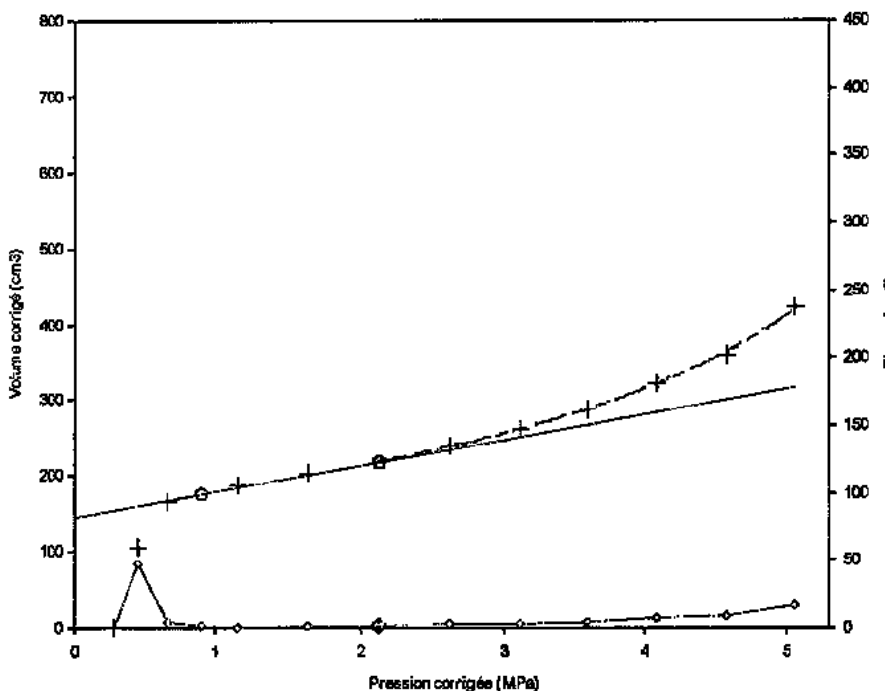
$E_M = 56.8$

$P_l = 6.95$	$P_{max} = 5.06$
$P_l(i) = 6.95$	$P_f = 2.63$
$P_l(h) = 6.59$	$P_o = 0.23$
$P_l(pf) = 3.94$	

Légende:

--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : P_f

Sondage: MPM 2009-7



Profondeur : 27.00 m
Type de forage:
Désagrégateur rotation

K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: 3 mm
 $\alpha = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 57.4$

$P_l = 6.79$	$P_{max} = 5.05$
$P_l(i) = 6.79$	$P_f = 2.13$
$P_l(h) = 6.36$	$P_o = 0.24$
$P_l(pf) = 3.19$	

Légende:

--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

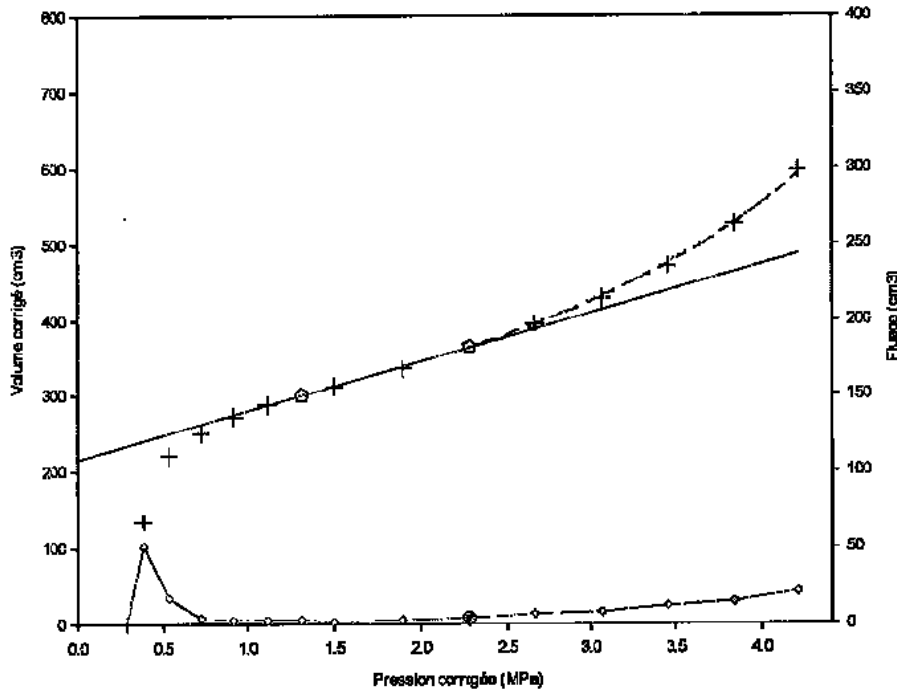
Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

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Profondeur : 28.00 m
Type de forage:
Désagrégateur rotation

Ko (estimé):
Masse vol. Sol (t/m3): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: 3 mm
 $\alpha = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

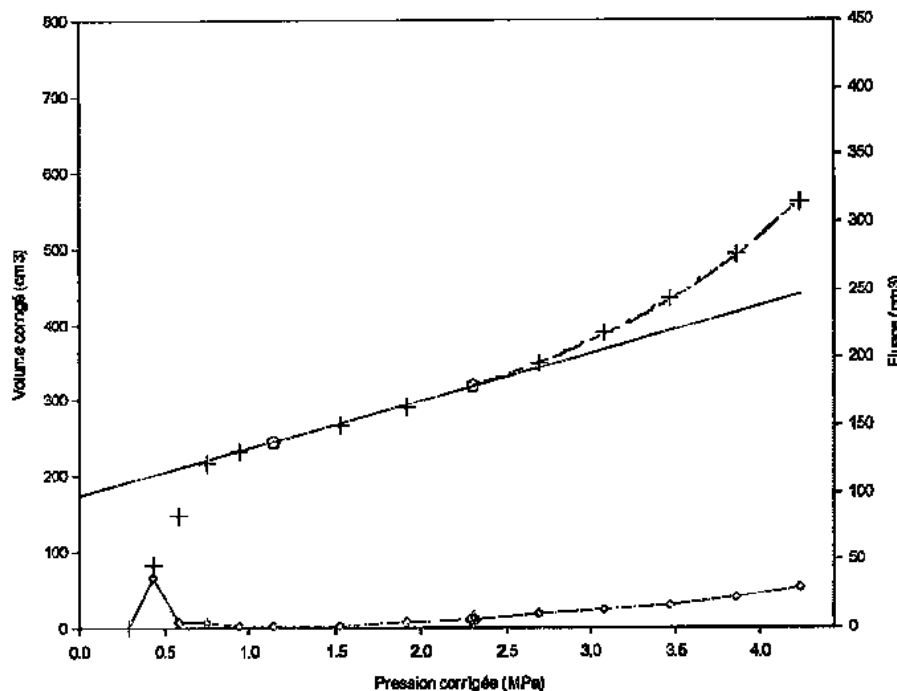
$E_M = 36.1$

Pl = 5.67	Pmax = 4.21
Pl(i) = 5.67	Pf = 2.28
Pl(h) = 5.41	Po = 0.25
Pl(Pf) = 3.42	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : filage ♦ : Pf

Sondage: MPM 2009-7



Profondeur : 29.00 m
Type de forage:
Désagrégateur rotation

Ko (estimé):
Masse vol. Sol (t/m3): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: 3 mm
 $\alpha = 2.64 \text{ cm}^3/\text{MPa}$

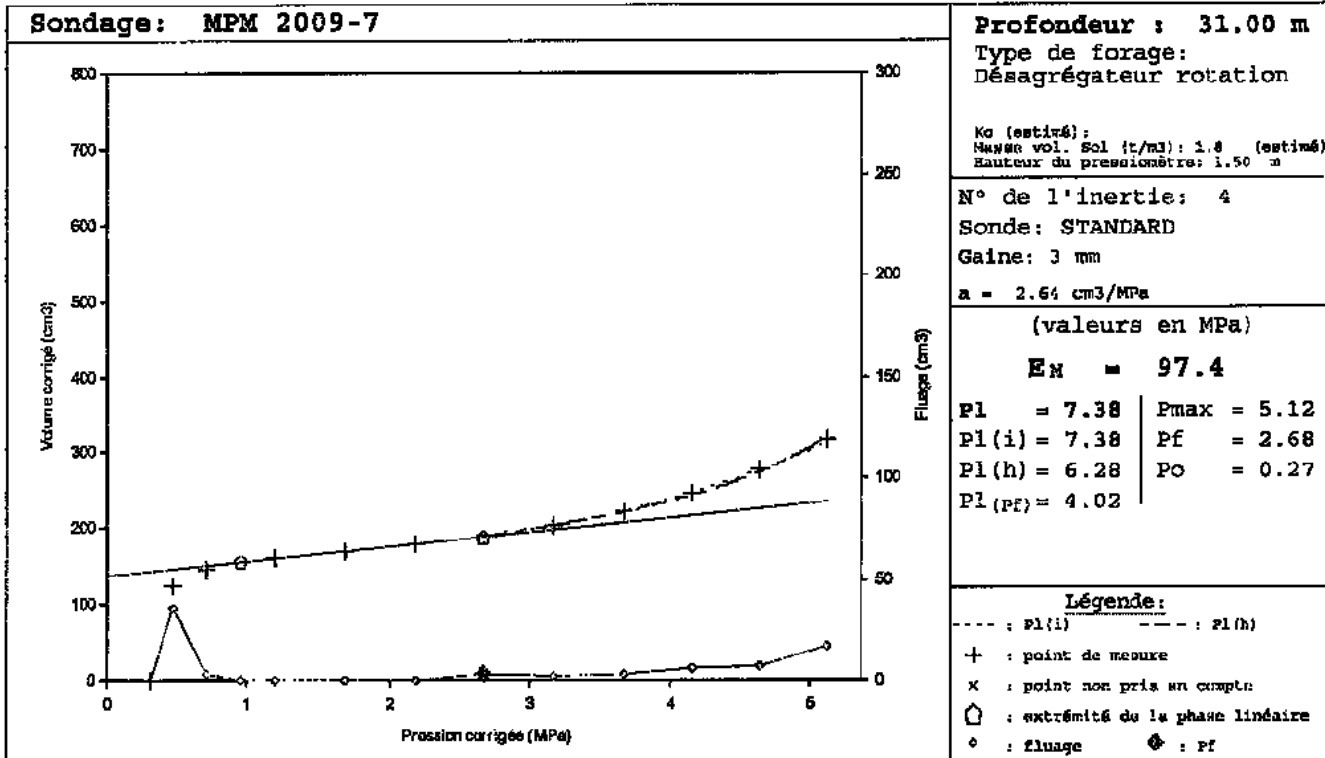
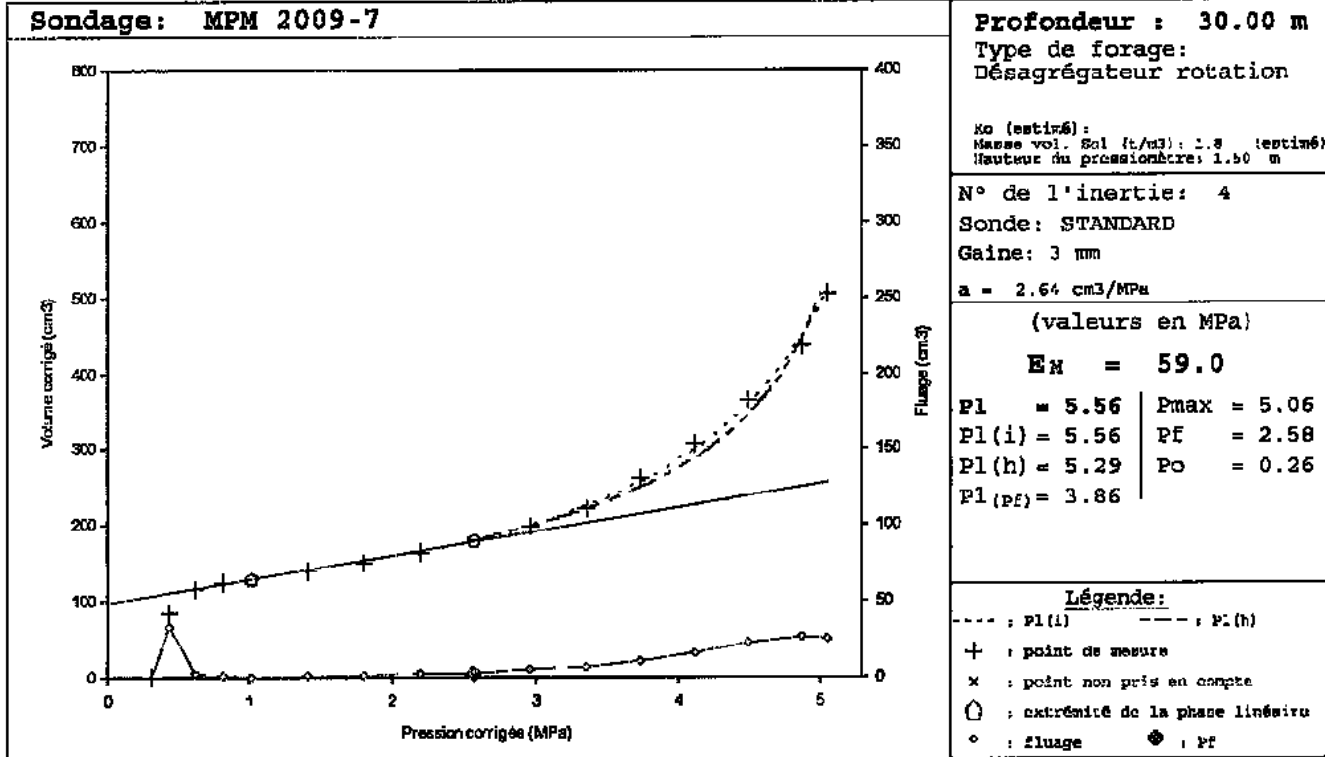
(valeurs en MPa)

$E_M = 34.9$

Pl = 5.36	Pmax = 4.23
Pl(i) = 5.36	Pf = 2.31
Pl(h) = 5.14	Po = 0.26
Pl(Pf) = 3.46	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : filage ♦ : Pf



AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

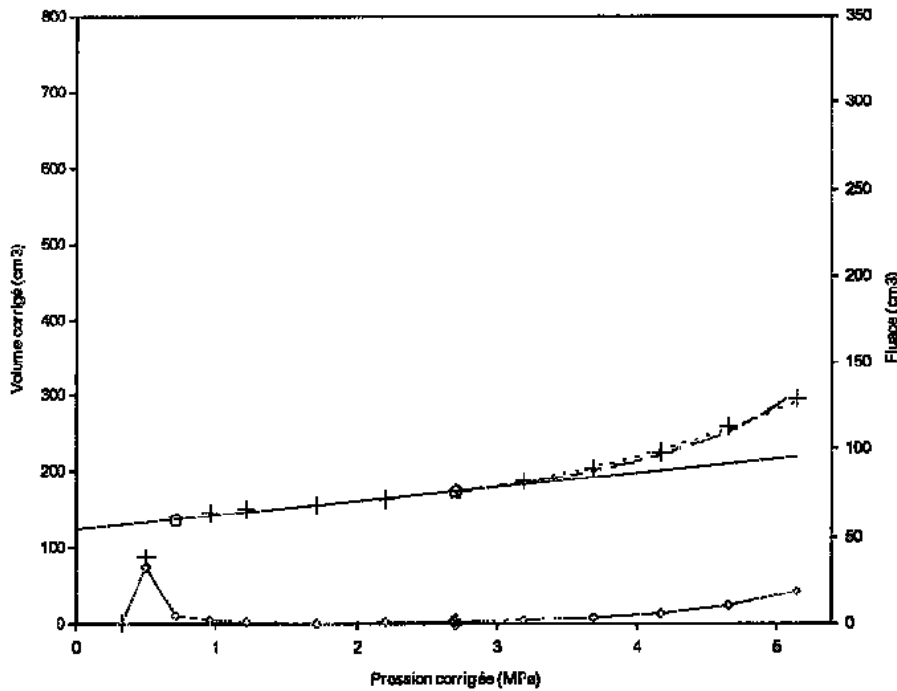
Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

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Profondeur : 32.00 m
Type de forage:
Désagrégateur rotation

Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.20 m

N° de l'inertie: 4

Sonde: STANDARD

Gaine: 3 mm

a = 2.64 cm³/MPa

(valeurs en MPa)

Em = 98.8

Pl = 7.41 | Pmax = 5.14

Pl(i) = 7.41 | Pf = 2.70

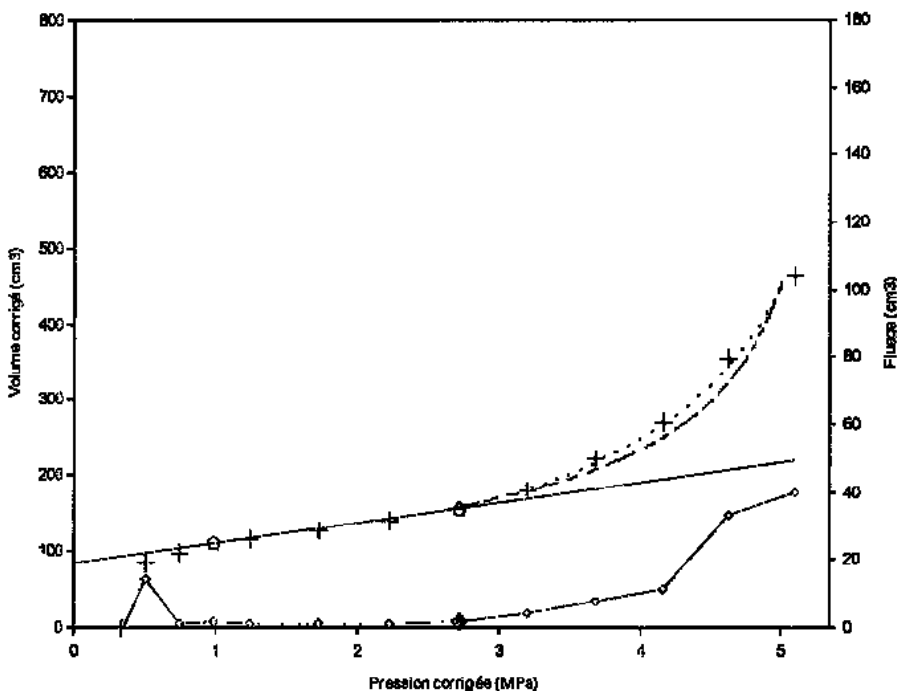
Pl(h) = 5.97 | Po = 0.28

Pl(Pf) = 4.04

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

Sondage: MPM 2009-7



Profondeur : 33.00 m
Type de forage:
Désagrégateur rotation

Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.20 m

N° de l'inertie: 4

Sonde: STANDARD

Gaine: 3 mm

a = 2.64 cm³/MPa

(valeurs en MPa)

Em = 67.3

Pl = 5.51 | Pmax = 5.10

Pl(i) = 5.51 | Pf = 2.71

Pl(h) = 5.25 | Po = 0.29

Pl(Pf) = 4.07

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

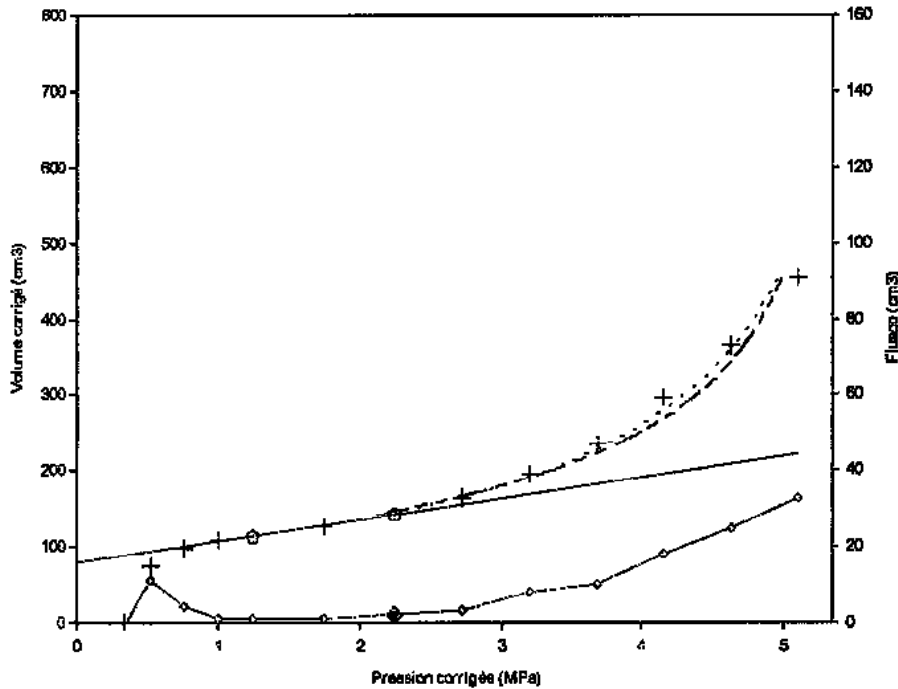
Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

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Profondeur : 34.00 m
Type de forage:
Désagrégateur rotation

K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.20 m

N° de l'inertie: 4

Sonde: STANDARD

Gaine: 3 mm

a = 2.64 cm³/MPa

(valeurs en MPa)

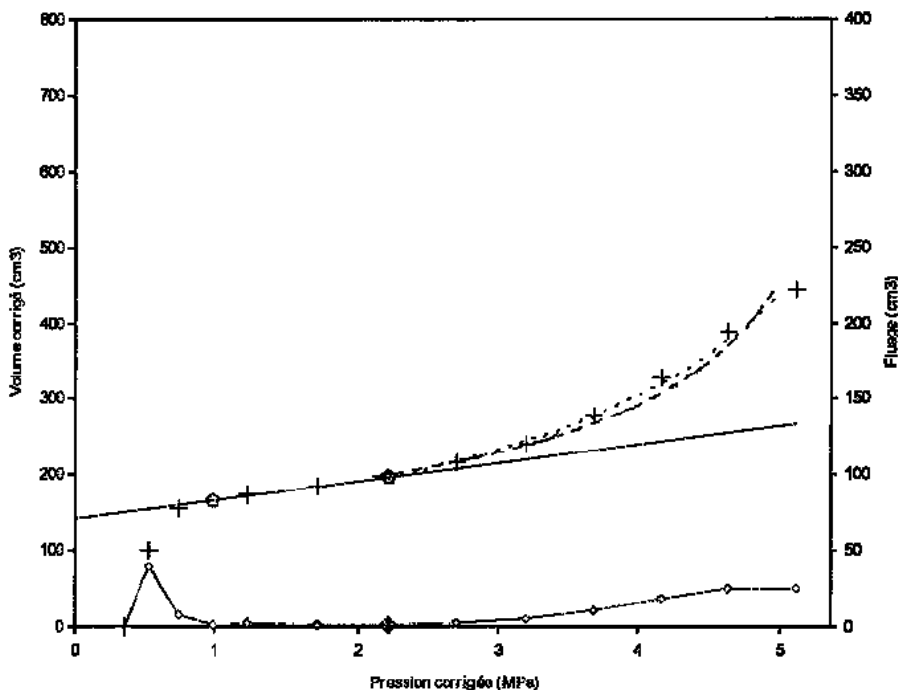
E_M = 63.3

Pl = 5.49	Pmax = 5.11
Pl(i) = 5.49	Pf = 2.23
Pl(h) = 5.33	Po = 0.30
Pl(Pf) = 3.35	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM 2009-7



Profondeur : 35.00 m
Type de forage:
Désagrégateur rotation

K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.20 m

N° de l'inertie: 4

Sonde: STANDARD

Gaine: 3 mm

a = 2.64 cm³/MPa

(valeurs en MPa)

E_M = 79.2

Pl = 6.15	Pmax = 5.12
Pl(i) = 6.15	Pf = 2.21
Pl(h) = 5.53	Po = 0.31
Pl(Pf) = 3.32	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

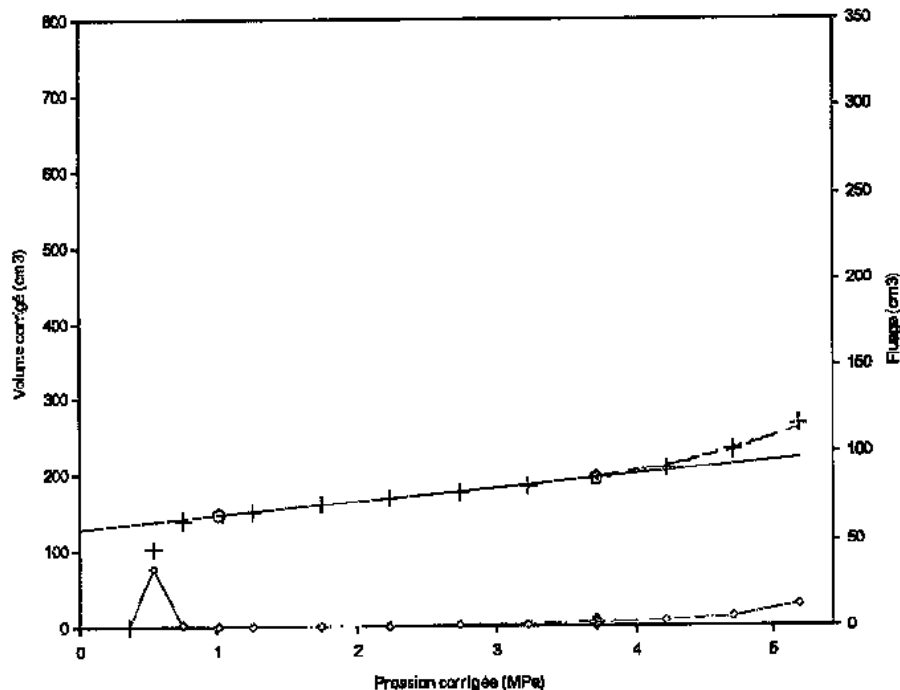
Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

Programme: W-Pressio
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84140 MONTFAVET

Fichier : P8
Dernière mise à jour:
19/10/2010 09:00:09

Sondage: MPM 2009-7



Profondeur : 35.00 m
Type de forage:
Désagrégateur rotation

K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.20 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: 3 mm
a = 2.64 cm³/MPa

(valeurs en MPa)

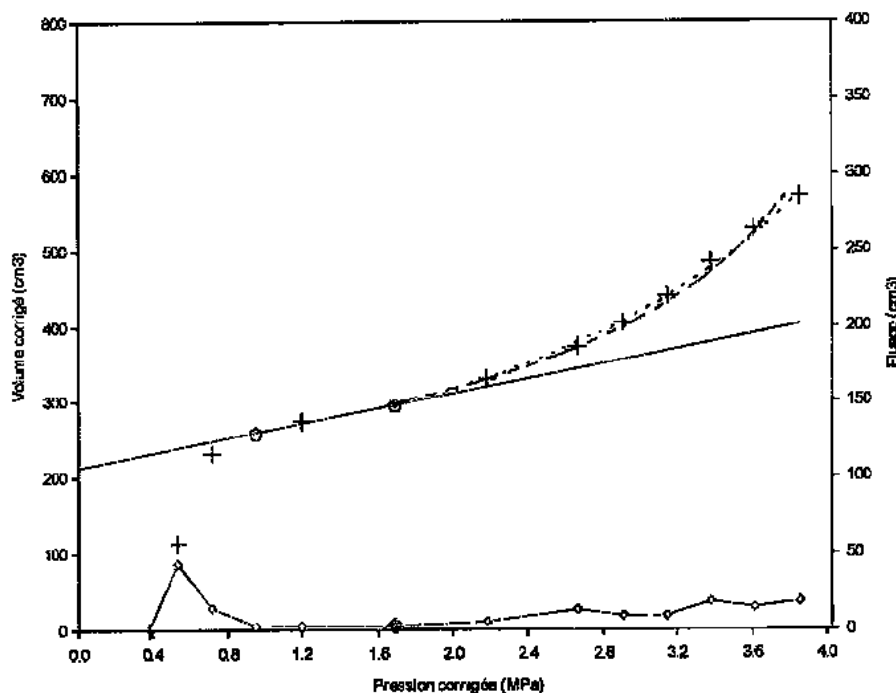
E_m = 107.0

Pl = 8.02	Pmax = 5.19
Pl (i) = 8.02	Pf = 3.72
Pl (h) = 6.58	Po = 0.32
Pl (Pf) = 5.58	

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

Sondage: MPM 2009-7



Profondeur : 37.00 m
Type de forage:
Désagrégateur rotation

K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.20 m

N° de l'inertie: 4
Sonde: STANDARD
Gaine: 3 mm
a = 2.64 cm³/MPa

(valeurs en MPa)

E_m = 44.1

Pl = 4.92	Pmax = 3.86
Pl (i) = 4.92	Pf = 1.69
Pl (h) = 4.40	Po = 0.33
Pl (Pf) = 2.54	

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

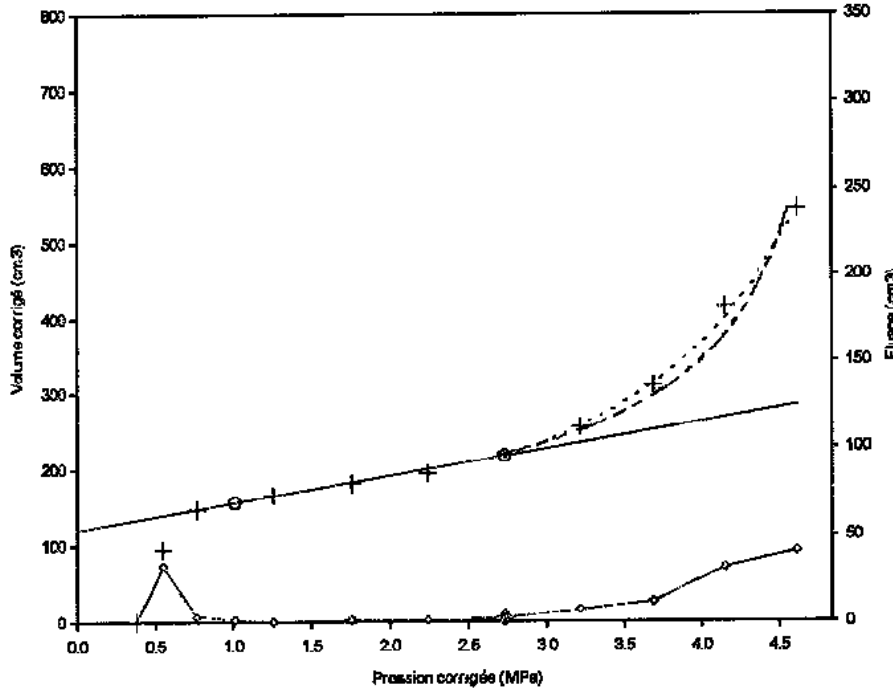
Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P8
Dernière mise à jour:
19/10/2010 09:00:09

Sondage: MPM 2009-7



Profondeur : 38.00 m
Type de forage:
Désagrégateur rotation

K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.20 m

N° de l'inertie: 4

Sonde: STANDARD

Gaine: 3 mm

$\alpha = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

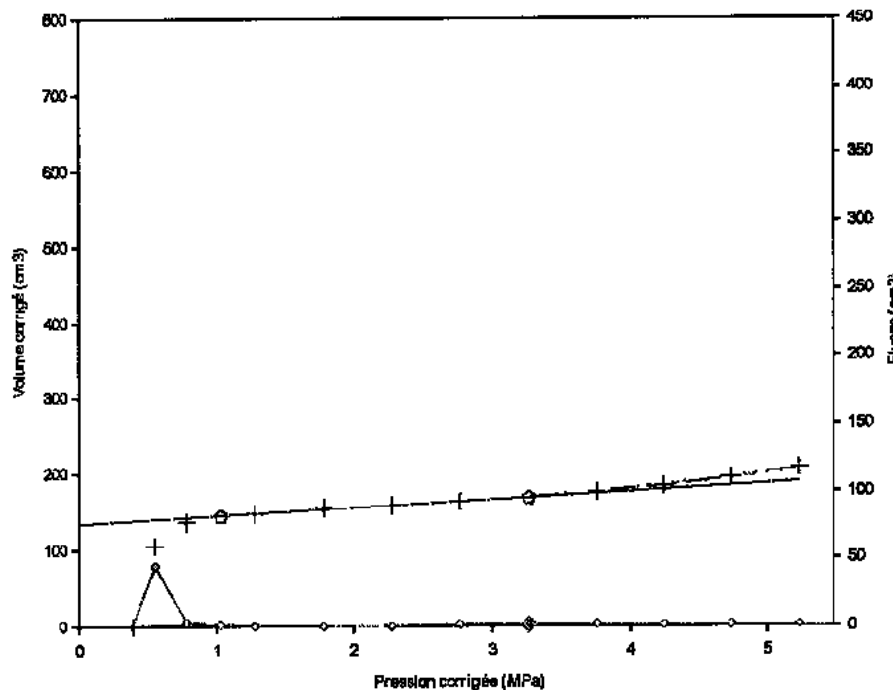
$E_M = 54.7$

$P_1 = 5.09$	$P_{max} = 4.62$
$P_1(i) = 5.09$	$P_f = 2.73$
$P_1(h) = 4.78$	$P_0 = 0.34$
$P_1(Pf) = 4.10$	

Légende:

- - - : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

Sondage: MPM 2009-7



Profondeur : 39.00 m
Type de forage:
Désagrégateur rotation

K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.20 m

N° de l'inertie: 4

Sonde: STANDARD

Gaine: 3 mm

$\alpha = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 171.2$

$P_1 = 11.97$	$P_{max} = 5.24$
$P_1(i) = 11.97$	$P_f = 3.27$
$P_1(h) = 7.67$	$P_0 = 0.34$
$P_1(Pf) = 4.90$	

Légende:

- - - : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

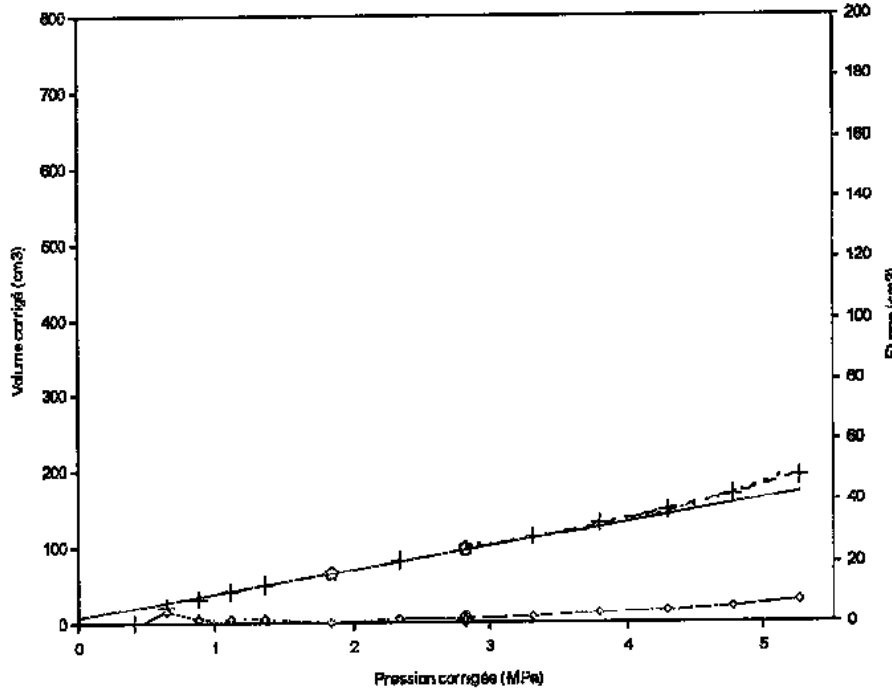
Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P8
Dernière mise à jour:
19/10/2010 09:00:09

Sondage: MPM 2009-7



Profondeur : 40.00 m
Type de forage:
Désagrégateur rotation

K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4

Sonde: STANDARD

Gaine: 3 mm

a = 2.64 cm³/MPa

(valeurs en MPa)

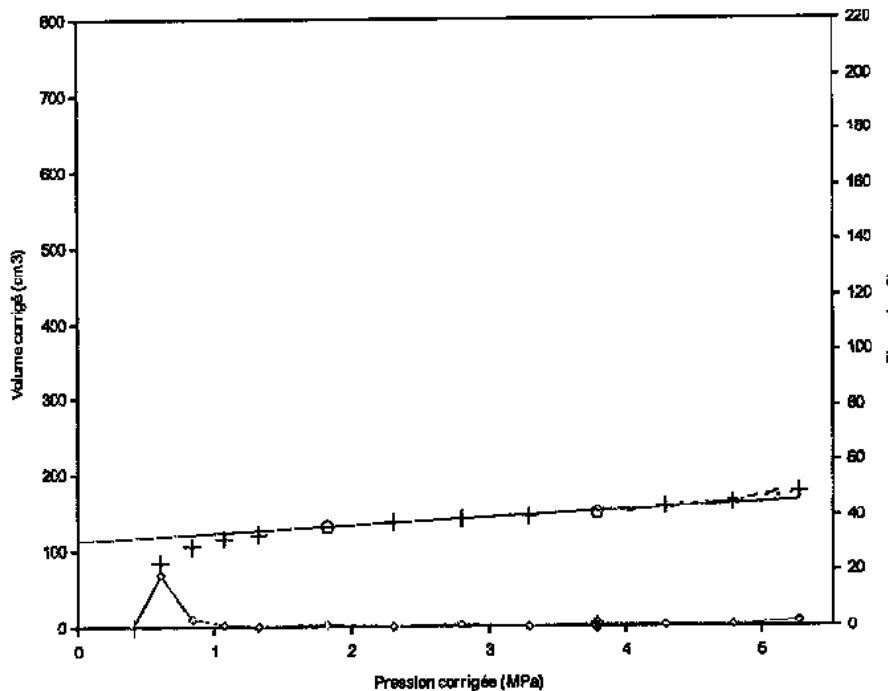
E_M = 52.7

P _l = 6.88	P _{max} = 5.26
P _l (i) = 6.88	P _f = 2.82
P _l (h) = 7.47	P ₀ = 0.35
P _l (pf) = 4.23	

Légende:

--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
o : fluage ◆ : P_f

Sondage: MPM 2009-7



Profondeur : 41.00 m
Type de forage:
Désagrégateur rotation

K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4

Sonde: STANDARD

Gaine: 3 mm

a = 2.64 cm³/MPa

(valeurs en MPa)

E_M = 181.4

P _l = 12.55	P _{max} = 5.28
P _l (i) = 12.55	P _f = 3.80
P _l (h) = 6.27	P ₀ = 0.36
P _l (pf) = 5.70	

Légende:

--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
o : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

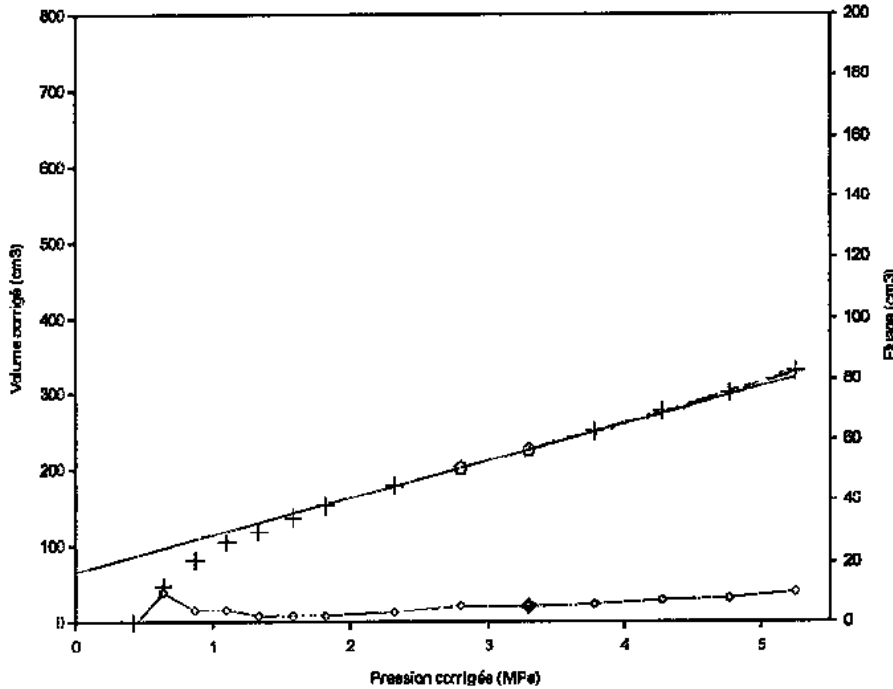
Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTPAVET

Fichier : P8
Dernière mise à jour:
19/10/2010 09:00:09

Sondage: MPM 2009-7



Profondeur : 42.00 m
Type de forage:
Désagrégateur rotation

K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5

Sonde: STANDARD

Gaine: 3 mm

$a = 2.00 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

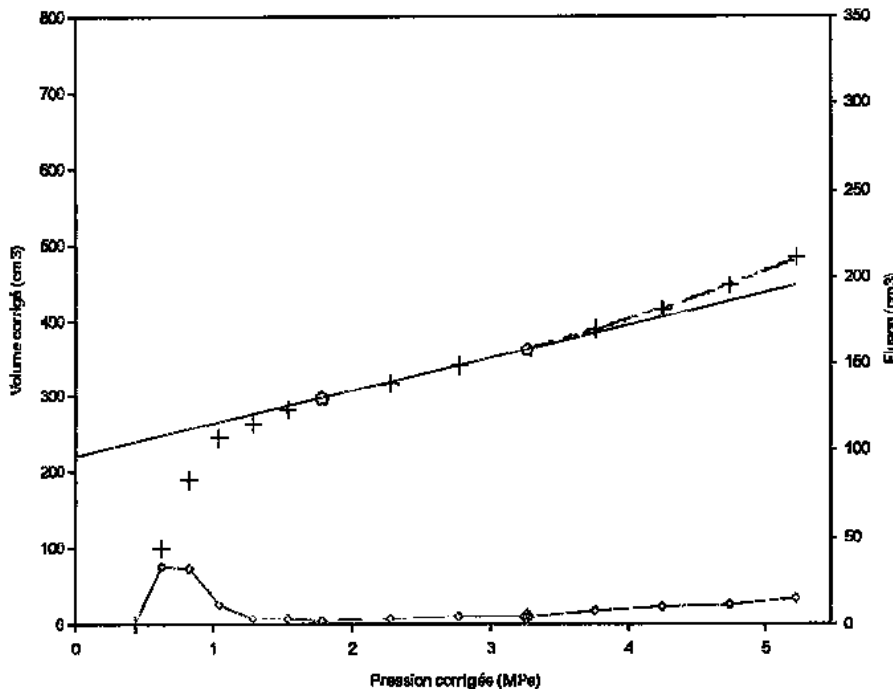
$E_M = 40.7$

$P_l = 8.02$	$P_{max} = 5.25$
$P_l(i) = 8.02$	$P_f = 3.29$
$P_l(h) = 10.20$	$P_o = 0.37$
$P_l(pf) = 4.94$	

Légende:

--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM 2009-7



Profondeur : 43.00 m
Type de forage:
Désagrégateur rotation

K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5

Sonde: STANDARD

Gaine: 3 mm

$a = 2.00 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 53.1$

$P_l = 8.59$	$P_{max} = 5.22$
$P_l(i) = 8.59$	$P_f = 3.25$
$P_l(h) = 8.64$	$P_o = 0.38$
$P_l(pf) = 4.88$	

Légende:

--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

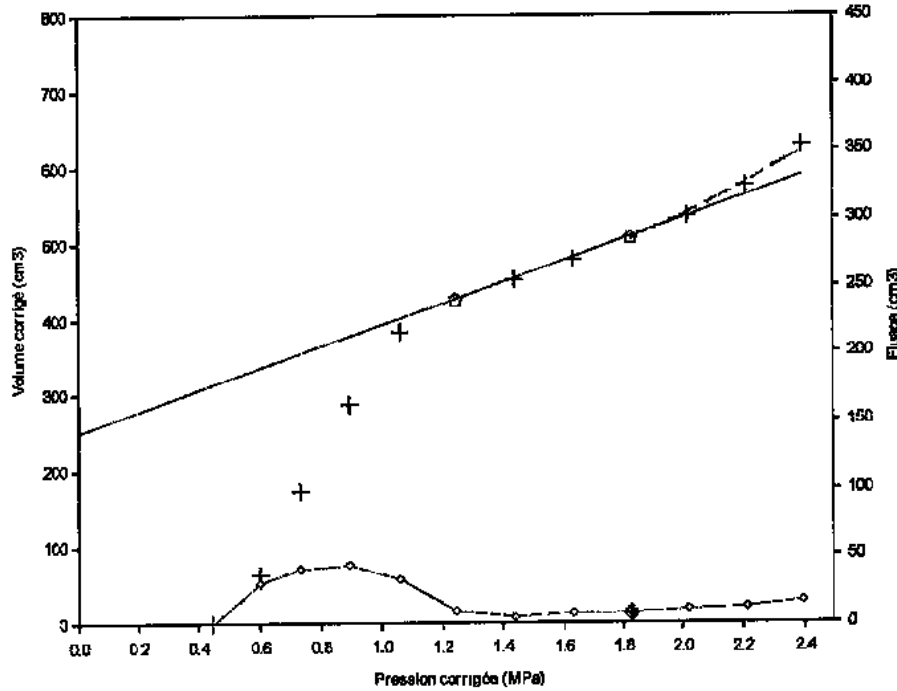
Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

Programme: W-Pressio
Version : 1.1

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290 rue des Galoubets
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Fichier : P8
Dernière mise à jour:
19/10/2010 09:00:09

Sondage: MPM 2009-7



Profondeur : 44.00 m
Type de forage:
Désagrégateur rotation

K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
 $a = 2.00 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

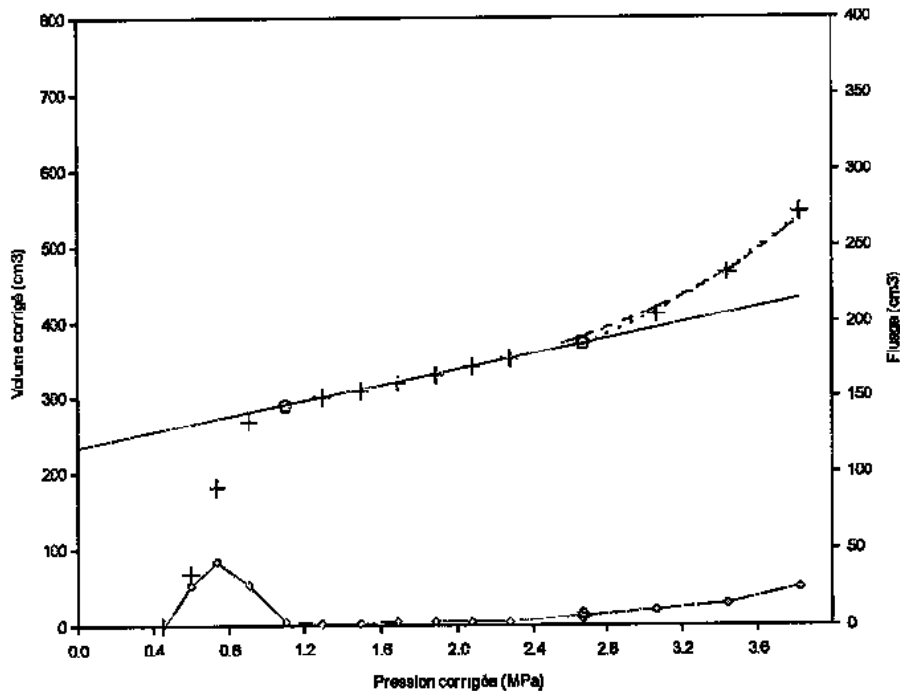
$E_M = 18.8$

$P_l = 3.79$	$P_{max} = 2.40$
$P_l(i) = 3.79$	$P_f = 1.83$
$P_l(h) = 3.46$	$P_o = 0.39$
$P_l(P_f) = 2.74$	

Légende:

--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
o : fluage ◊ : P_f

Sondage: MPM 2009-7



Profondeur : 45.00 m
Type de forage:
Désagrégateur rotation

K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: 3 mm
 $a = 2.00 \text{ cm}^2/\text{MPa}$

(valeurs en MPa)

$E_M = 44.9$

$P_l = 5.15$	$P_{max} = 3.83$
$P_l(i) = 5.15$	$P_f = 2.67$
$P_l(h) = 4.74$	$P_o = 0.40$
$P_l(P_f) = 4.01$	

Légende:

--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
o : fluage ◊ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

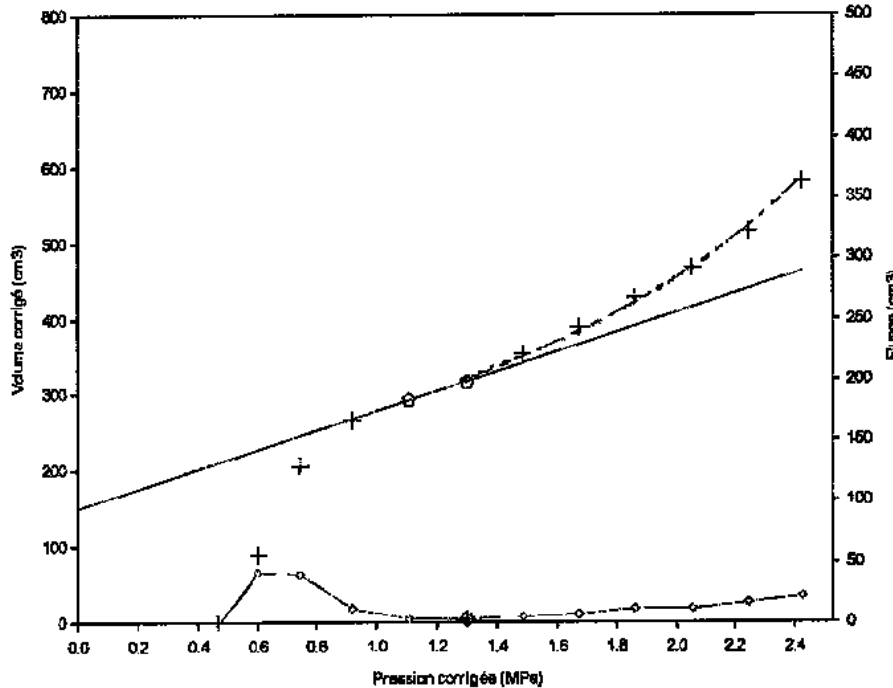
Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
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Fichier : P8
Dernière mise à jour:
19/10/2010 09:00:09

Sondage: MPM 2009-7



Profondeur : 46.00 m
Type de forage:
Désagrégateur rotation

K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5

Sonde: STANDARD

Gaine: 3 mm

a = 2.00 cm³/MPa

(valeurs en MPa)

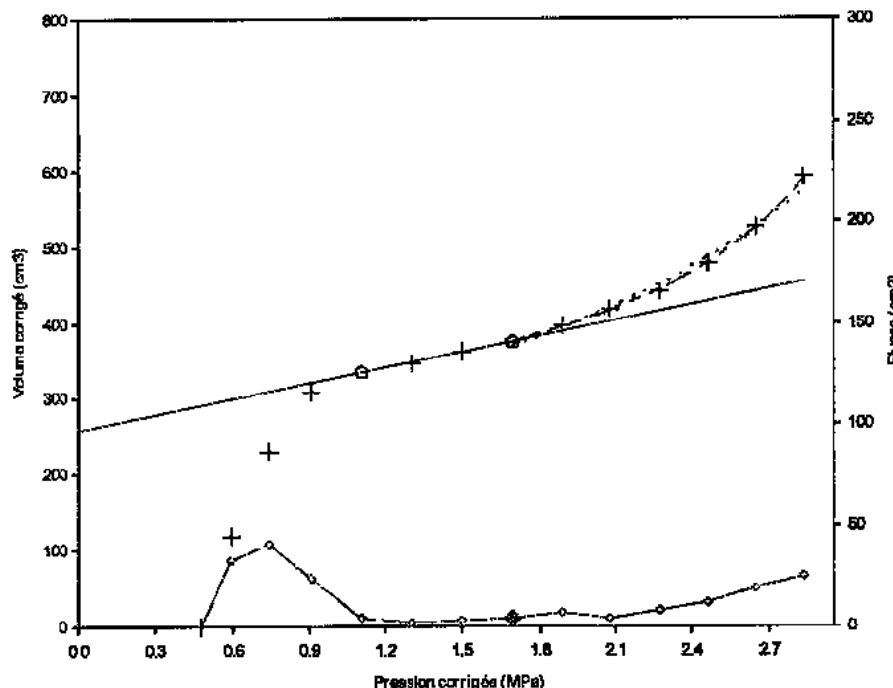
E_M = 17.4

P1 = 3.08	Pmax = 2.43
P1(i) = 3.08	Pf = 1.30
P1(h) = 3.04	Po = 0.41
P1(Pf) = 1.95	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◊ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : Pf

Sondage: MPM 2009-7



Profondeur : 47.00 m
Type de forage:
Désagrégateur rotation

K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5

Sonde: STANDARD

Gaine: 3 mm

a = 2.00 cm³/MPa

(valeurs en MPa)

E_M = 34.0

P1 = 3.94	Pmax = 2.84
P1(i) = 3.94	Pf = 1.69
P1(h) = 3.35	Po = 0.41
P1(Pf) = 2.54	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◊ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B - LEISTON

Programme: W-Pressio
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FONDASOL
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Fichier : P8
Dernière mise à jour:
19/10/2010 09:00:09

Sondage: MPM 2009-7

Profondeur : 48.00 m
Type de forage:
Désagrégateur rotation

K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.20 m

N° de l'inertie: 5

Sonde: STANDARD

Gain: 3 mm

a = 2.00 cm³/MPa

(valeurs en MPa)

E_x = 24.6

P_l = 3.94 | P_{max} = 2.44

P_{l(i)} = 3.94 | P_f = 1.48

P_{l(h)} = 3.29 | P_o = 0.42

P_{l(pf)} = 2.22

Légende:

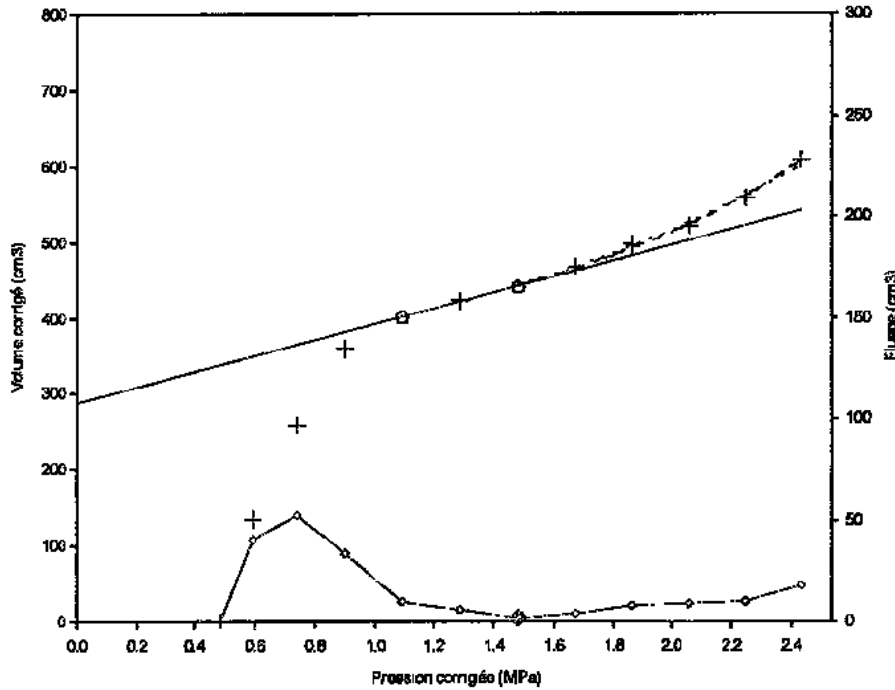
--- : P_{l(i)} - - - : P_{l(h)}

+ : point de mesure

x : point non pris en compte

◻ : extrémité de la phase linéaire

◊ : fluage ⊙ : P_t



AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

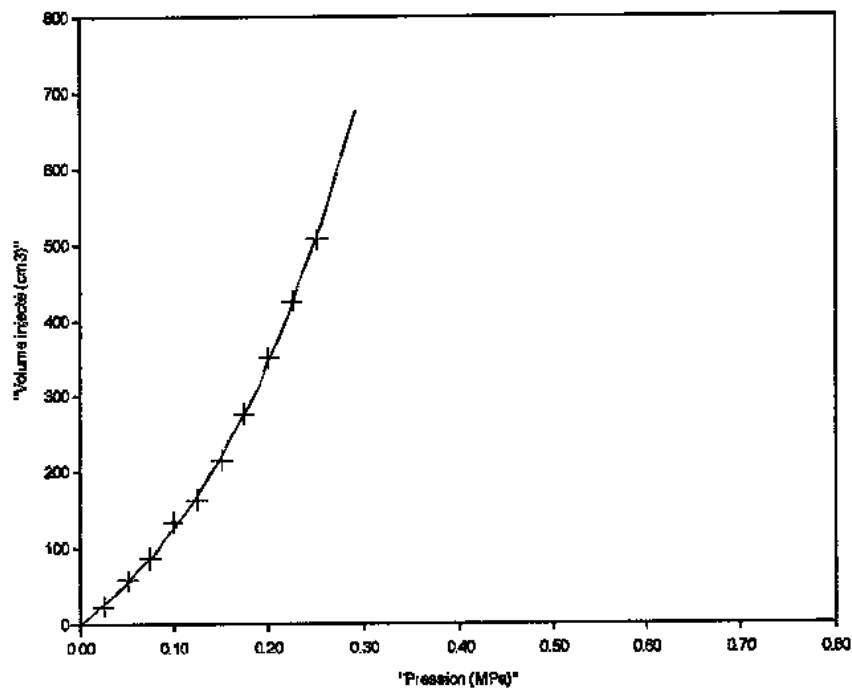
Affaire: SOIL MECHANICS - SIZEWELL B - LEISTON

Programme: W-Pressio
Version : 1.1

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BP 765
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Fichier : P8
Dernière mise à jour:
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ETALONNAGE N° 4



Type sonde :
STANDARD

Gaine:
3 mm

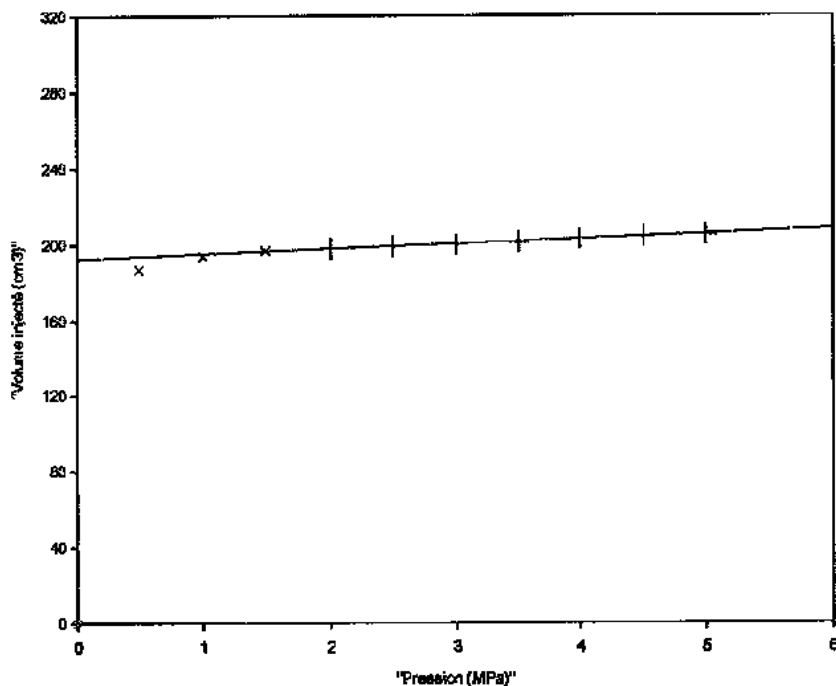
Vs = 535 cm³

Conforme à la norme
NFP 94-110-1

Légende:

| : point de mesure
x : point non pris en compte

CALIBRAGE N° 4



Type sonde :
STANDARD

Gaine:
3 mm

Vs = 535 cm³

Coef. de compressibilité:
a = 2.64 cm³/MPa

Conforme à la norme
NFP 94-110-1

Légende:

| : point de mesure
x : point non pris en compte

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

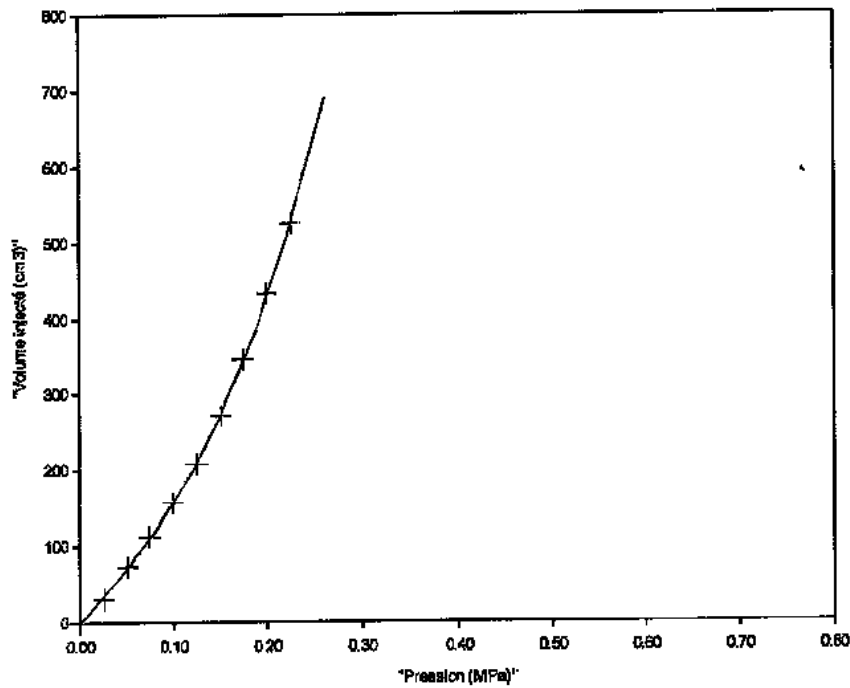
Affaire: SOIL MECHANICS -SIZEWELL B - LEISTON

Programme: W-Pressio
Version : 1.1

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Fichier : P8
Dernière mise à jour:
19/10/2010 09:00:09

ETALONNAGE N° 5



Type sonde :
STANDARD

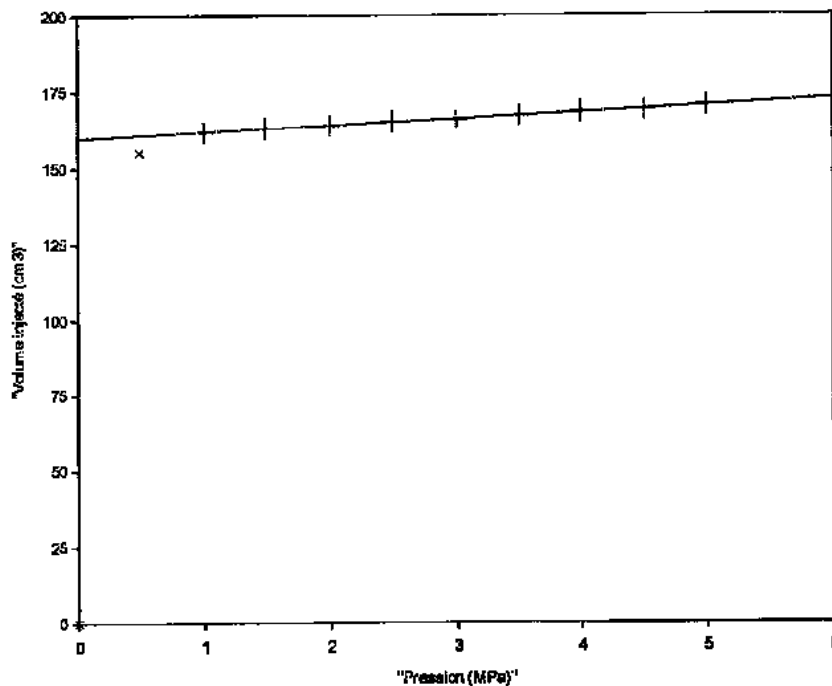
Gaine:
3 mm

Vs = 535 cm³

Conforme à la norme
NFP 94-110-1

Légende:
+ : point de mesure
* : point non pris en compte

CALIBRAGE N° 5



Type sonde :
STANDARD

Gaine:
3 mm

Vs = 535 cm³

Coef. de compressibilité:
a = 2.00 cm³/MPa

Conforme à la norme
NFP 94-110-1

Légende:
+ : point de mesure
* : point non pris en compte

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics - Sizewell C, Leiston IP 16

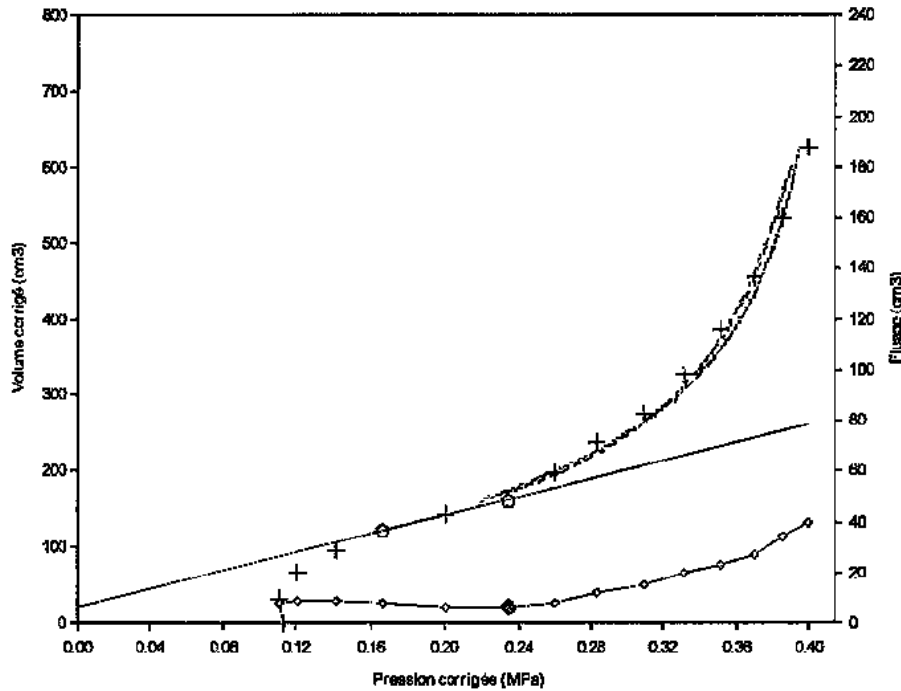
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTEVET

Fichier : P12
Dernière mise à jour:
22/12/2010 18:01:32

Sondage: MPM2009-8

Profondeur : 10.00 m



Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (est. liné)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 2.71 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 3.0$

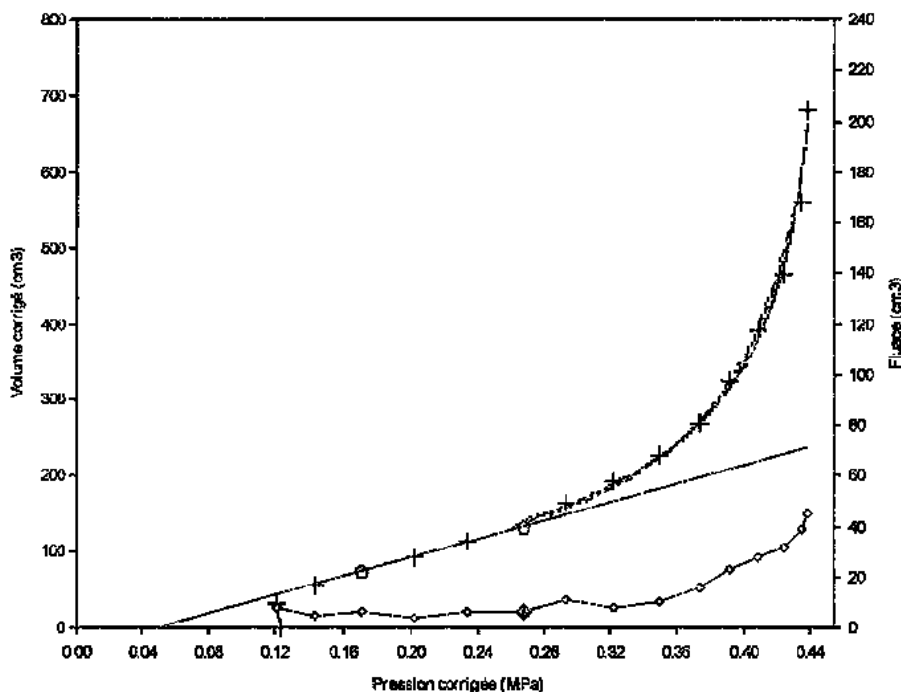
PI = 0.40	Pmax = 0.40
PI(i) = 0.40	PI = 0.23
PI(h) = 0.40	Po = 0.13
PI(pf) = 0.35	

Légende:

--- : PI(i) - - - : PI(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : PI

Sondage: MPM2009-8

Profondeur : 11.00 m



Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (est. liné)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 2.71 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 2.8$

PI = 0.45	Pmax = 0.44
PI(i) = 0.45	PI = 0.27
PI(h) = 0.44	Po = 0.15
PI(pf) = 0.40	

Légende:

--- : PI(i) - - - : PI(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : PI

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics - Sizewell C, Leiston TP 16

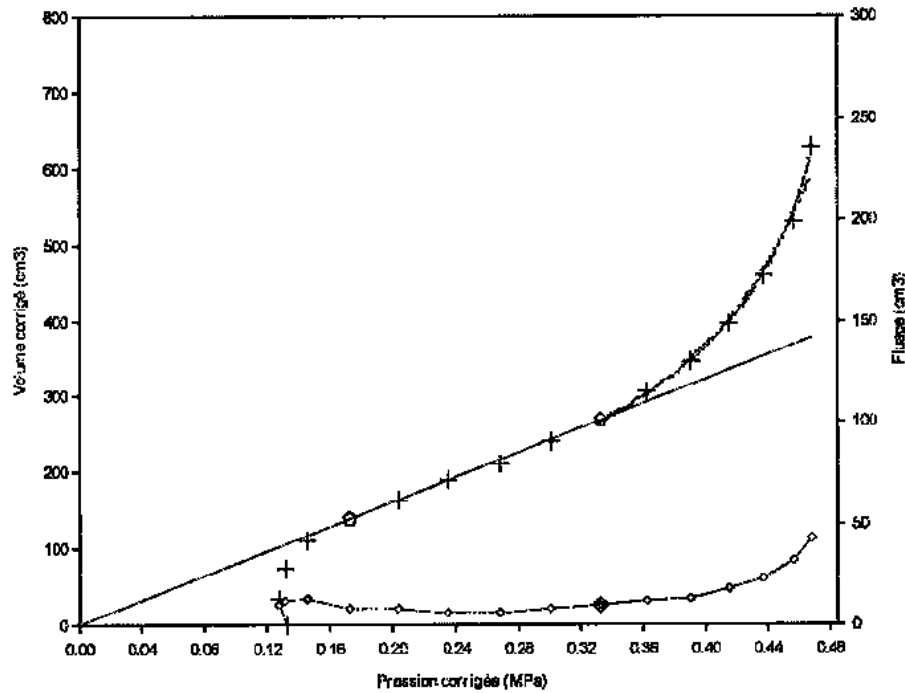
Programme: W-PRESSIO
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTEVET

Fichier : P12
Dernière mise à jour:
22/12/2010 18:01:32

Sondage: MPM2009-8

Profondeur : 12.00 m



Nappe: 0.50 m
K₀ (estimé):
Masse Vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
a = 2.71 cm³/MPa

(valeurs en MPa)

E_m = 2.4

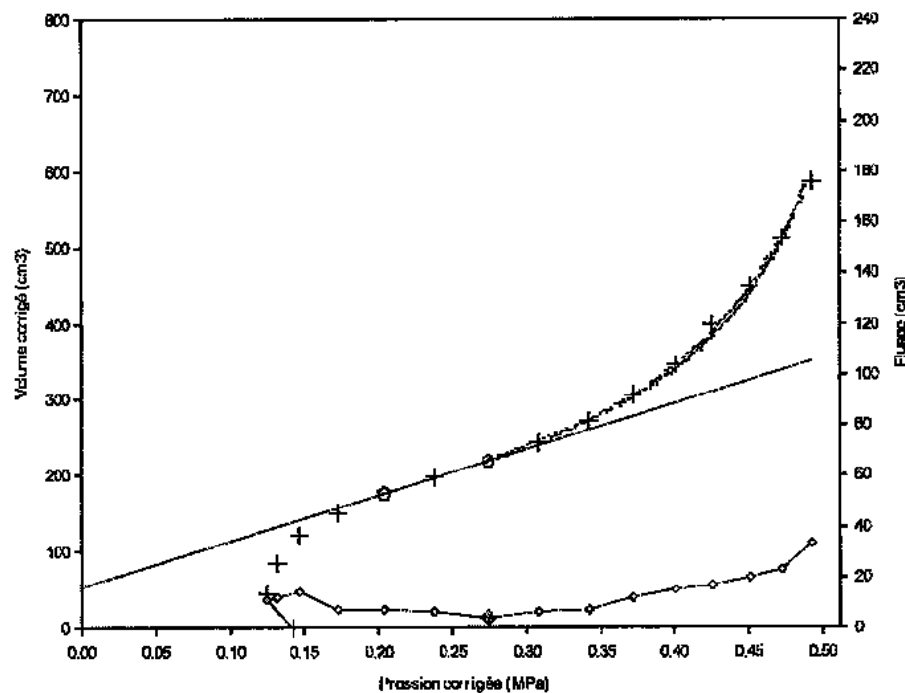
P1 = 0.51	Pmax = 0.47
P1(i) = 0.51	Pf = 0.33
P1(h) = 0.49	Po = 0.16
P1(pf) = 0.50	

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- o : fluage ◆ : P1

Sondage: MPM2009-8

Profondeur : 13.00 m



Nappe: 0.50 m
K₀ (estimé):
Masse Vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
a = 2.71 cm³/MPa

(valeurs en MPa)

E_m = 3.2

P1 = 0.54	Pmax = 0.49
P1(i) = 0.54	Pf = 0.27
P1(h) = 0.52	Po = 0.18
P1(pf) = 0.41	

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- o : fluage ◆ : P1

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics - Sizewell C, Leiston TP 16

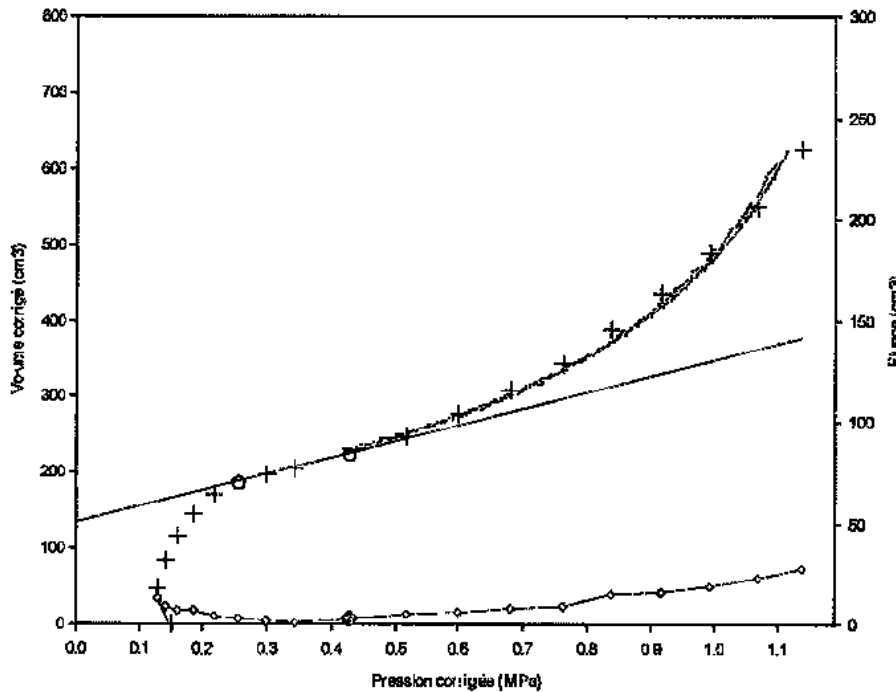
Programme: W-Pressio
Version : 1.1

FONDASOL
29C rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P12
Dernière mise à jour:
22/12/2010 18:01:32

Sondage: MPM2009-8

Profondeur : 14.00 m



Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gain: Toilée renforcée
a = 2.71 cm³/MPa

(valeurs en MPa)

E_M = 9.2

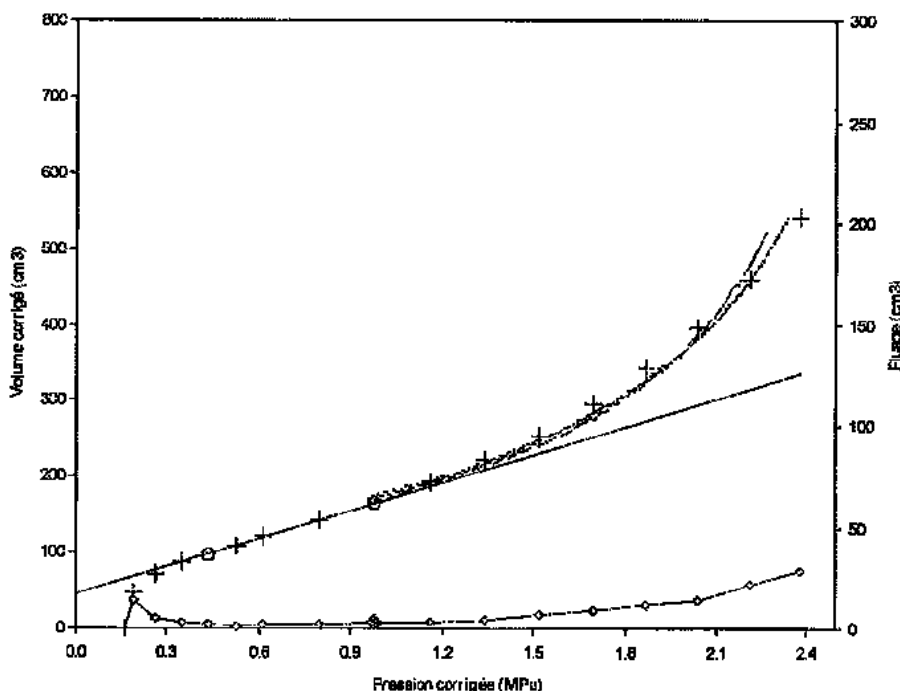
Pl = 1.24	Pmax = 1.14
Pl(i) = 1.24	Pf = 0.43
Pl(h) = 1.22	Po = 0.19
Pl:pt = 0.64	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : E

Sondage: MPM2009-8

Profondeur : 15.00 m



Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gain: Toilée renforcée
a = 2.71 cm³/MPa

(valeurs en MPa)

E_M = 14.5

Pl = 2.45	Pmax = 2.38
Pl(i) = 2.45	Pf = 0.98
Pl(h) = 2.49	Po = 0.20
Pl:pt = 1.47	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : E

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics - Sizewell C, Leiston IP 16

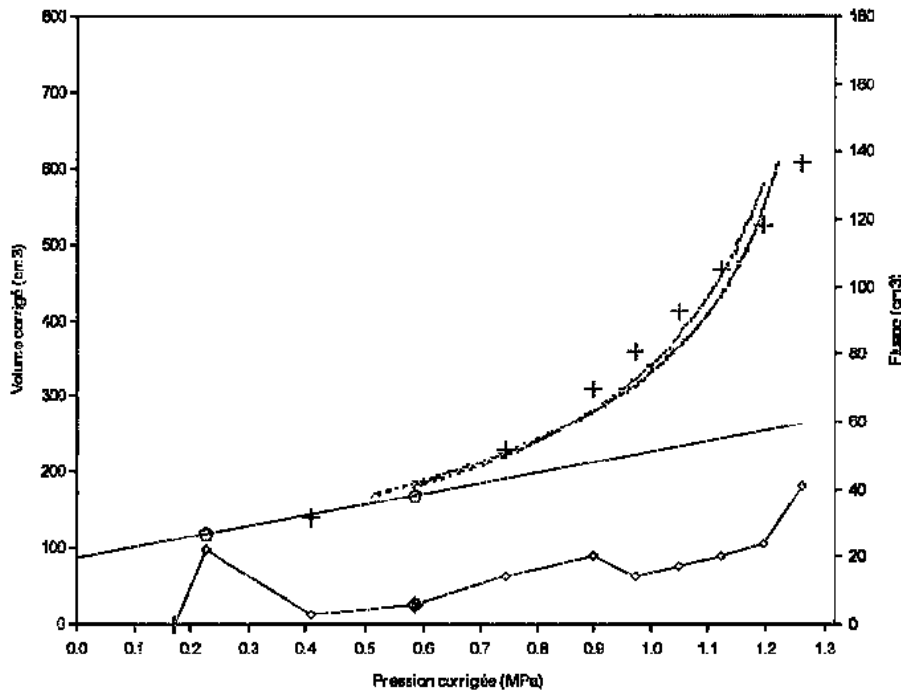
Programme: W-Pressio
Version : 1.1

FONDASOL
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BP 765
84140 MONTEAVET

Fichier : P12
Dernière mise à jour:
22/12/2010 18:01:32

Sondage : MPM2009-8

Profondeur : 16.00 m



Nappe: 0.50 m
K₀ (estimé):
Masse vol.: Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

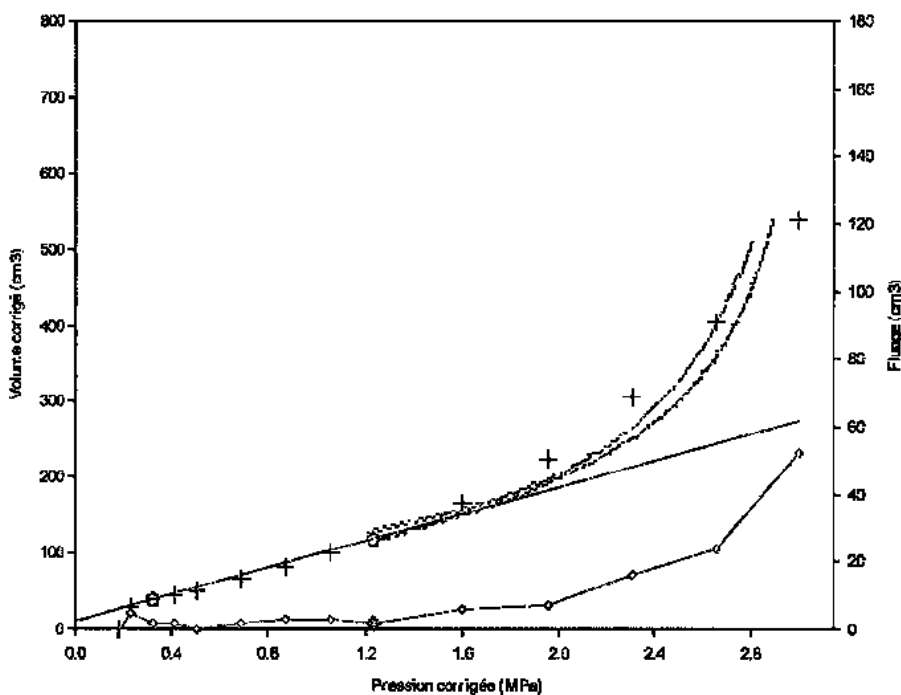
N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 2.92 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_m = 13.0
P_l = 1.27 | P_{max} = 1.26
P_{l(i)} = 1.27 | P_F = 0.59
P_{l(h)} = 1.26 | P₀ = 0.22
P_{l(p)} = 0.88

Légende:
--- : P1(i) -.- : P1(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : P_F

Sondage : MPM2009-8

Profondeur : 17.00 m



Nappe: 0.50 m
K₀ (estimé):
Masse vol.: Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 2.71 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_m = 18.6
P_l = 2.90 | P_{max} = 3.00
P_{l(i)} = 2.90 | P_F = 1.24
P_{l(h)} = 2.94 | P₀ = 0.23
P_{l(p)} = 1.85

Légende:
--- : P1(i) -.- : P1(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : P_F

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NEP 94-110)

Affaire: Soil Mechanics - Sizewell C, Histon IP 16

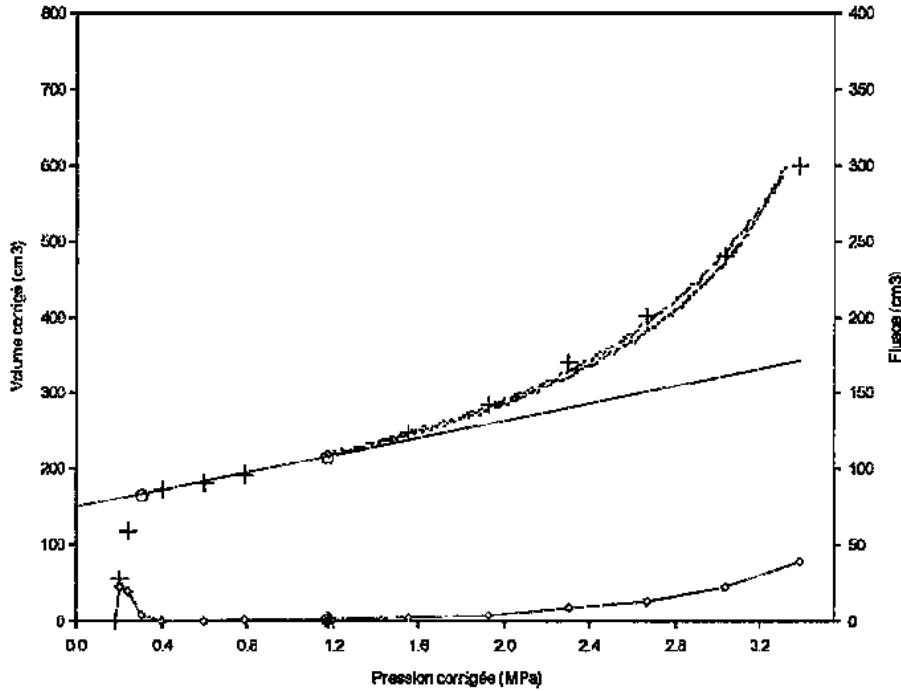
FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P12
Dernière mise à jour:
22/12/2010 18:01:32

Sondage: MPM2009-8

Profondeur : 18.00 m



Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 2.71 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 33.7$

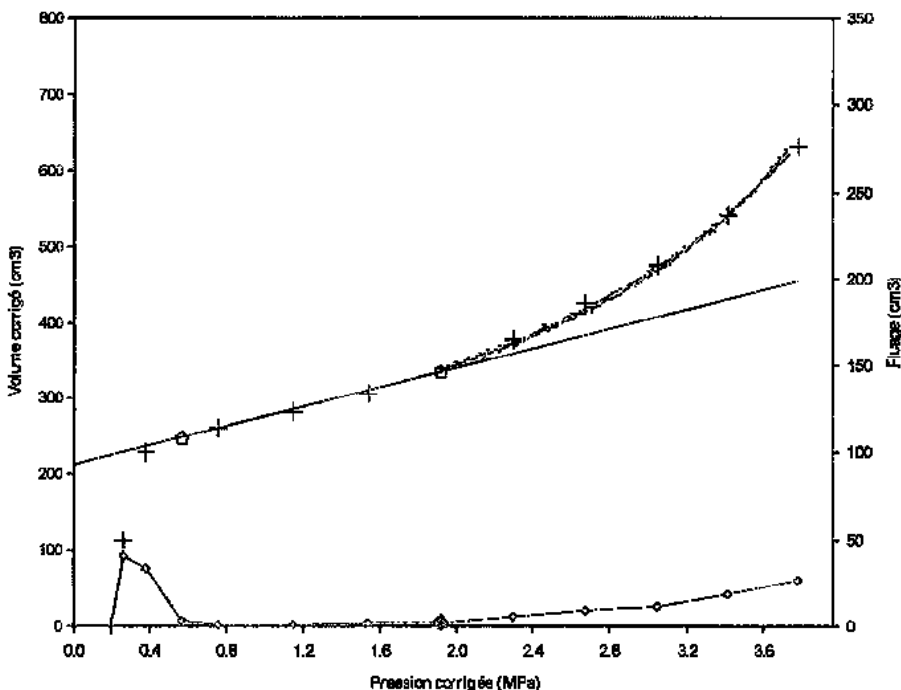
Pl = 3.73	P _{max} = 3.39
Pl (i) = 3.73	Pf = 1.17
Pl (h) = 3.59	Po = 0.24
Pl (Pf) = 1.76	

Légende:

- : Pl (i) - - - : Pl (h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

Sondage: MPM2009-8

Profondeur : 19.00 m



Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 2.71 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 34.5$

Pl = 4.63	P _{max} = 3.78
Pl (i) = 4.63	Pf = 1.91
Pl (h) = 4.35	Po = 0.26
Pl (Pf) = 2.87	

Légende:

- : Pl (i) - - - : Pl (h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NEP 94-110)

Affaire: Soil Mechanics - Sizewell C, Leiston IP 16

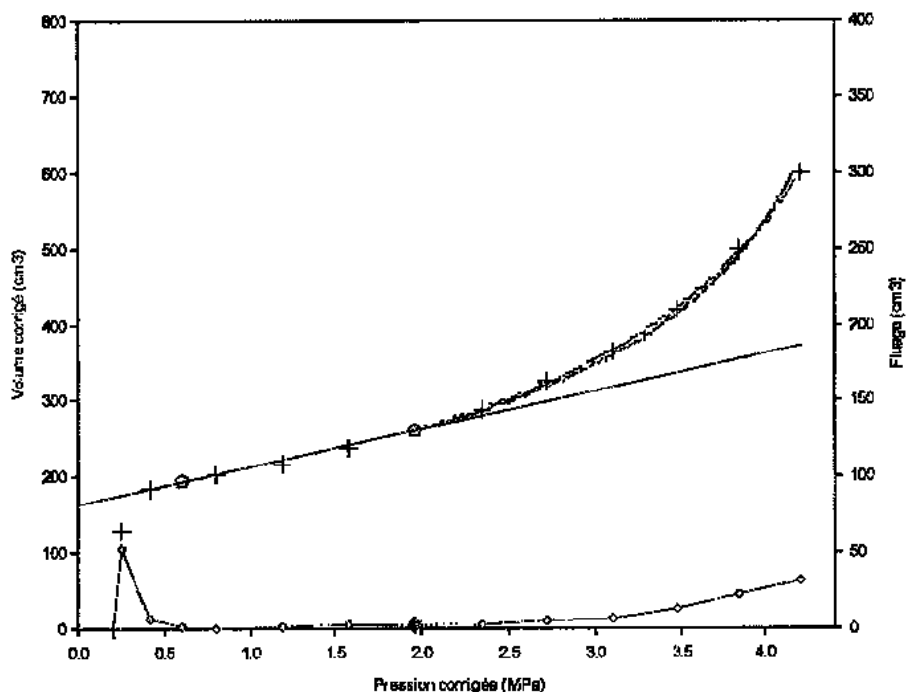
Programme: W-PRESSIO
Version : 1.1

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84340 MONTEVET

Fichier : P12
Dernière mise à jour:
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Sondage: MPM2009-8

Profondeur : 20.00 m



Nappe: 0.50 m
No testiné:
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 2.71 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 40.9$

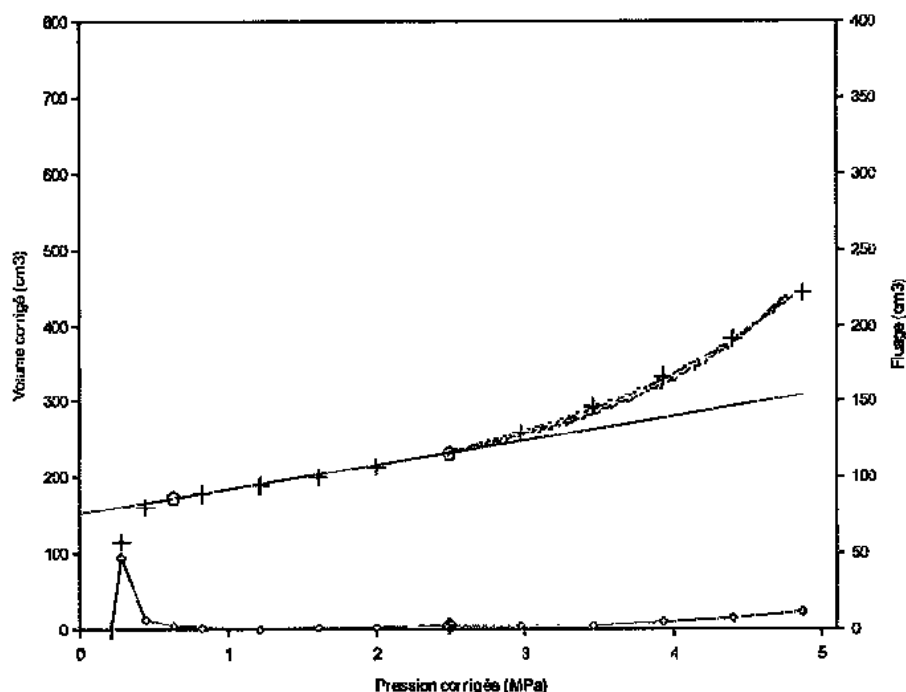
Pl = 4.84	Pmax = 4.20
Pl(i) = 4.84	Pf = 1.96
Pl(h) = 4.56	Po = 0.27
Pl(pf) = 2.95	

Légende:

- : Pl(i) --- : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- o : fluage ◊ : pf

Sondage: MPM2009-8

Profondeur : 21.00 m



Nappe: 0.50 m
No testiné:
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 2.71 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 61.9$

Pl = 6.15	Pmax = 4.88
Pl(i) = 6.15	Pf = 2.49
Pl(h) = 5.53	Po = 0.29
Pl(pf) = 3.74	

Légende:

- : Pl(i) --- : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- o : fluage ◊ : pf

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics - Sizewell C, Leiston IP 16

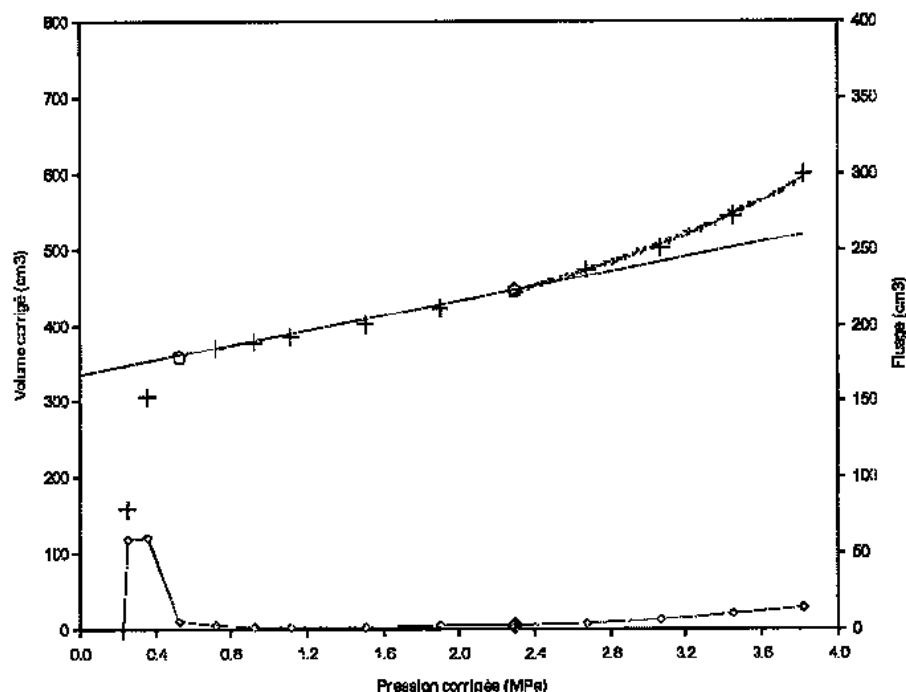
Programme: W-Pressio
Version : 1.1

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Fichier : P12
Dernière mise à jour:
22/12/2010 19:01:32

Sondage: MPM2009-8

Profondeur : 22.00 m



Nappe: 0.50 m
K₀ (estimé):
Masse Vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

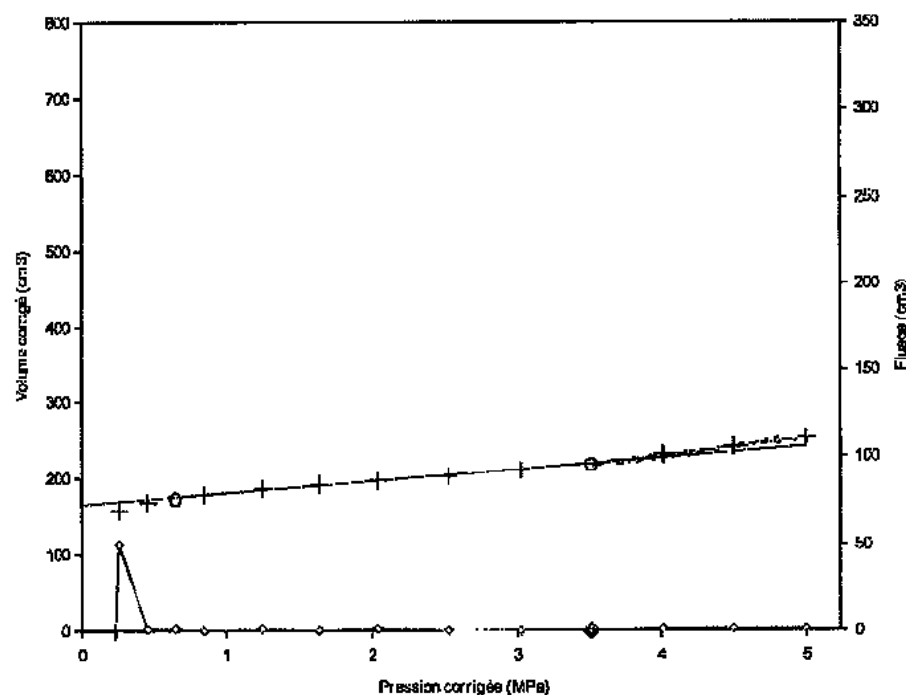
N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
a = 2.71 cm³/MPa

(valeurs en MPa)
E_M = 51.5
P_l = 6.23 | P_{max} = 3.82
P_l(i) = 6.23 | P_f = 2.29
P_l(h) = 5.34 | P_c = 0.30
P_l(pr) = 3.43

Légende:
--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◇ : extrémité de la phase linéaire
○ : fluage ◆ : P_c

Sondage: MPM2009-8

Profondeur : 23.00 m



Nappe: 0.50 m
K₀ (estimé):
Masse Vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
a = 2.72 cm³/MPa

(valeurs en MPa)
E_M = 126.5
P_l = 11.98 | P_{max} = 4.99
P_l(i) = 11.98 | P_f = 3.52
P_l(h) = 6.81 | P_c = 0.31
P_l(pr) = 5.28

Légende:
--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◇ : extrémité de la phase linéaire
○ : fluage ◆ : P_c

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics - Sizewell C, Leiston TP 16

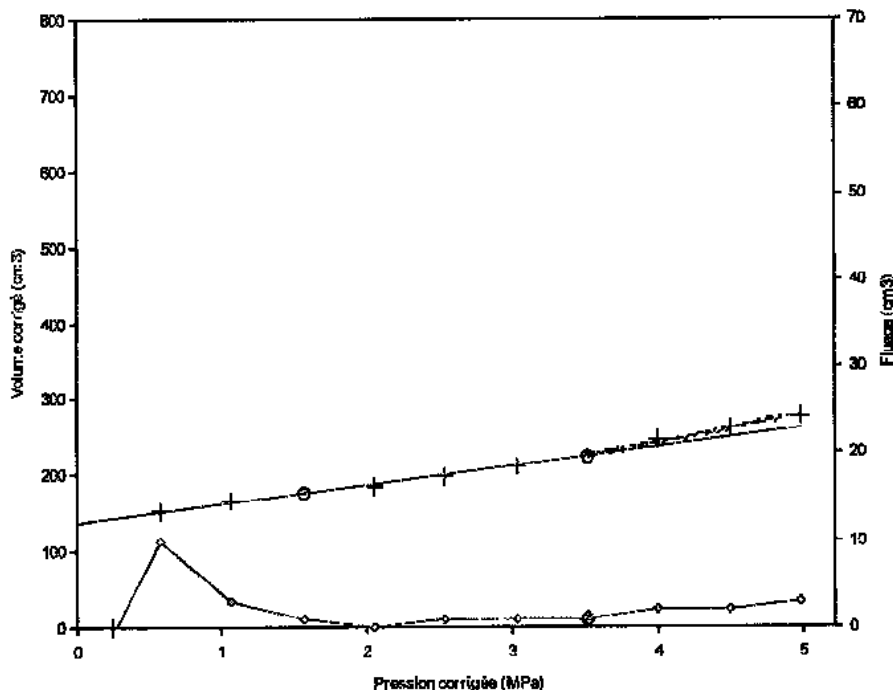
Programme: W-PRESSIO
Version : 1.1

FONDASOL
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Fichier : P12
Dernière mise à jour:
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Sondage: MPM2009-8

Profondeur : 24.00 m



Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
a : 2.71 cm³/MPa

(valeurs en MPa)
E_M = 77.5

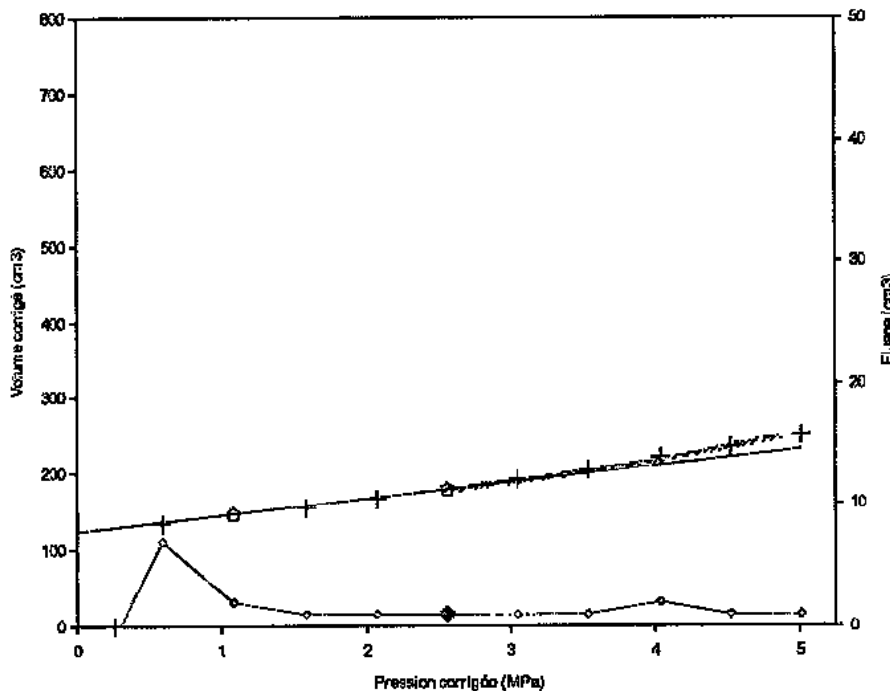
P1 = 9.29	Pmax = 4.99
P1(i) = 9.29	Pf = 3.52
P1(h) = 7.77	Po = 0.33
P1(pf) = 5.28	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P2

Sondage: MPM2009-8

Profondeur : 25.00 m



Nappe: 0.50 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
a : 2.71 cm³/MPa

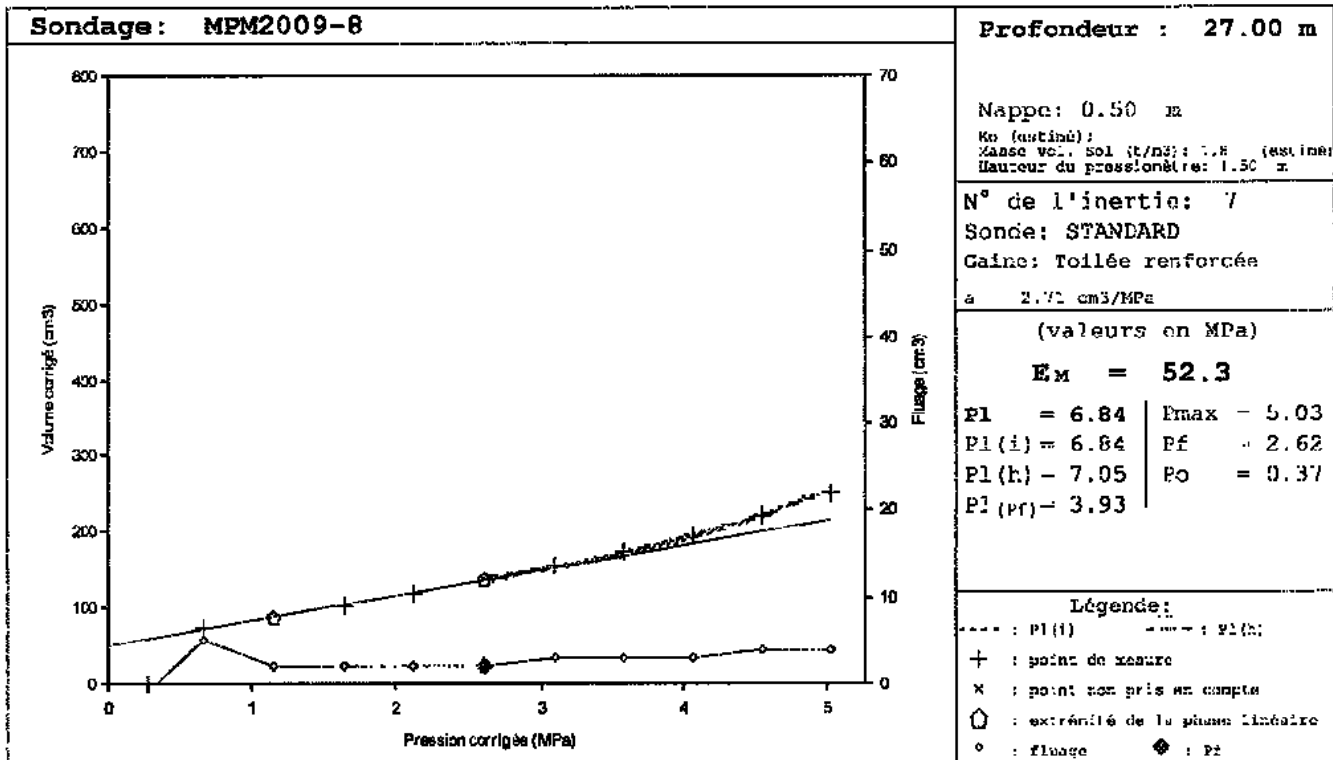
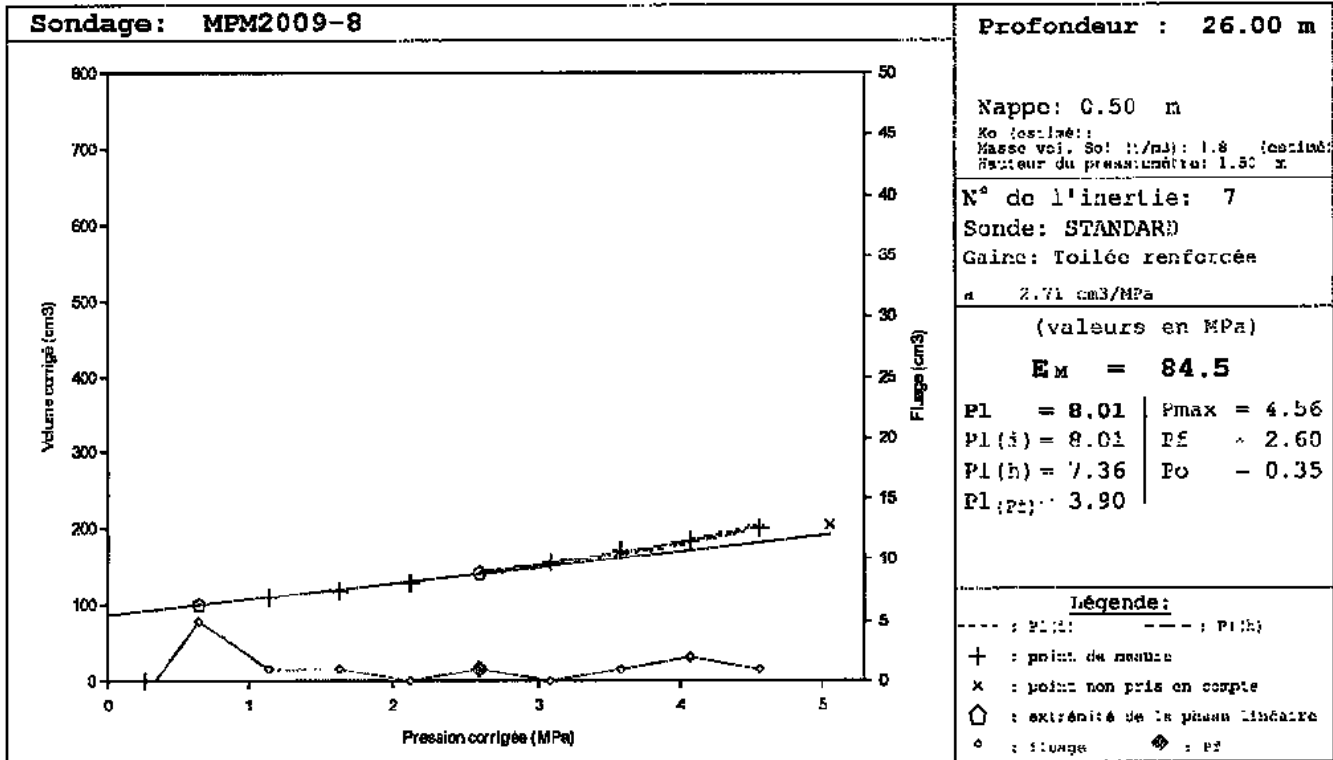
(valeurs en MPa)
E_M = 85.7

P1 = 9.20	Pmax = 5.01
P1(i) = 9.20	Pf = 2.57
P1(h) = 8.12	Po = 0.34
P1(pf) = 3.85	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P2

AFFAIRE N°: ML.100119	ESSAI PRESSIOMETRIQUE (NFP 94-110)
Affaire: Soil Mechanics - Sizewell C, Leiston IP 16	
FONDASOI, 290 rue des Galoubets BP 765 84140 MONTEFAVET	Programme: W-PRESSIO Version : 1.1 Fichier : P12 Dernière mise à jour: 22/12/2010 18:01:32



AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics - Sizewell C, Leiston IP 16

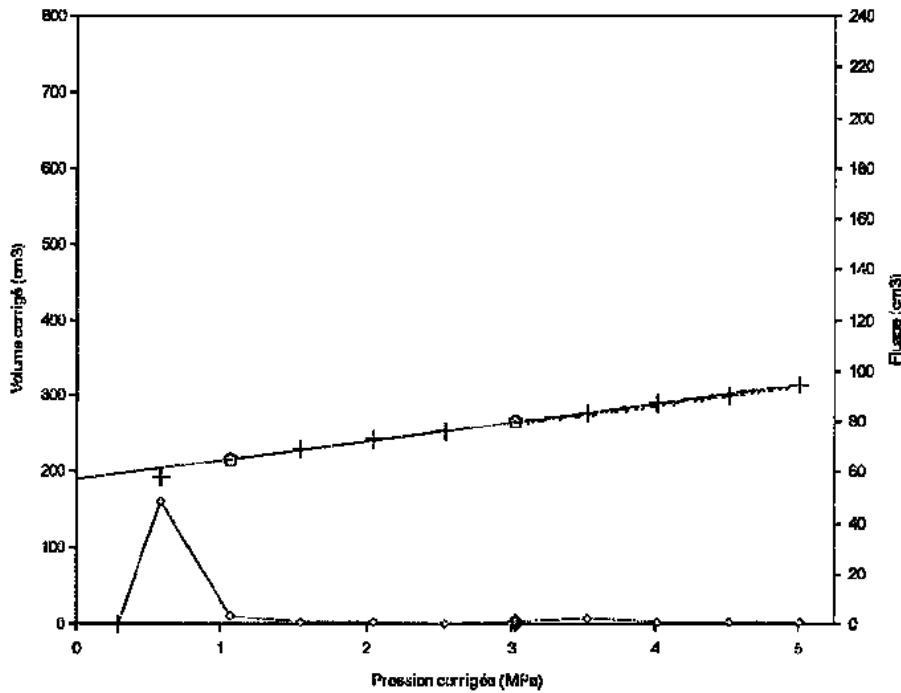
Programme: W-Pressio
Version : 1.1

FONDASOL
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Fichier : P12
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Sondage : MPM2009-8

Profondeur : 28.00 m



Nappe: 0.50 m
Ko (estimé):
Masse vol. Sol (t/m³): 1.9 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 2.71 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

EM = 83.6

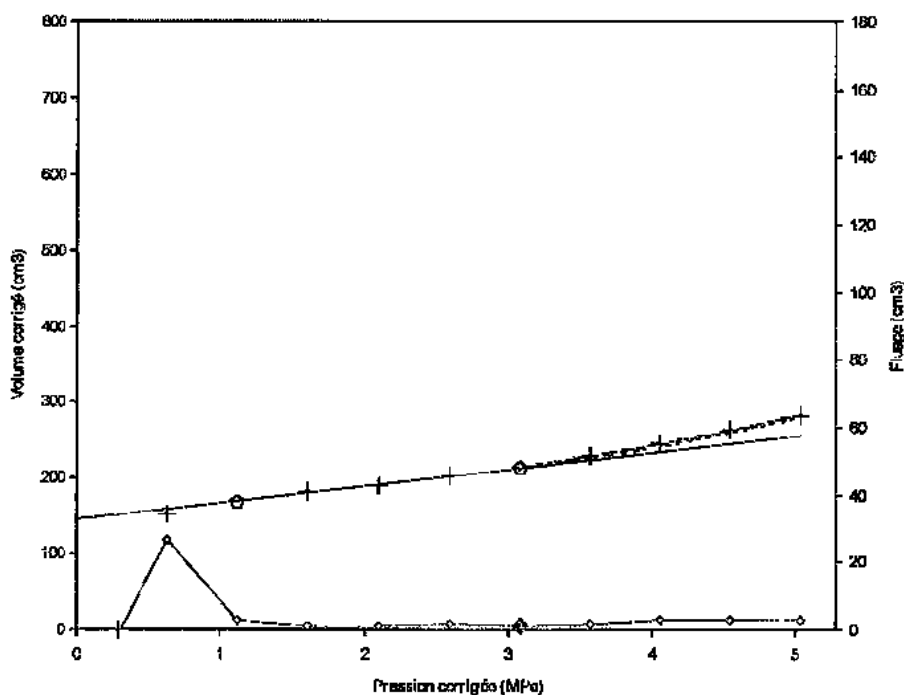
PI = 12.45	Pmax = 5.01
PI (i) = 12.46	Pf = 3.04
PI (h) = 12.97	Po = 0.38
PI (pr) = 4.56	

Légende:

--- : PI (i) - - - : PI (h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : PI

Sondage : MPM2009-8

Profondeur : 29.00 m



Nappe: 0.50 m
Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 2.71 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

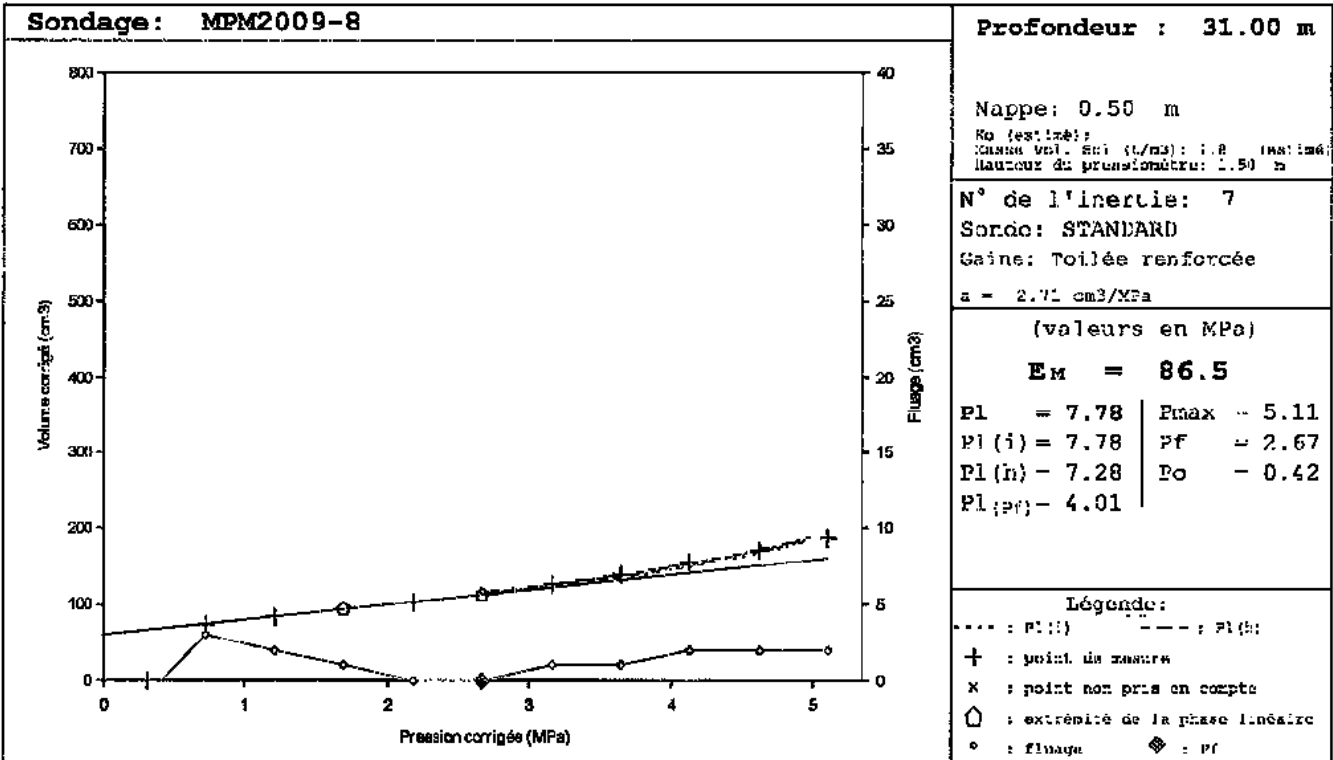
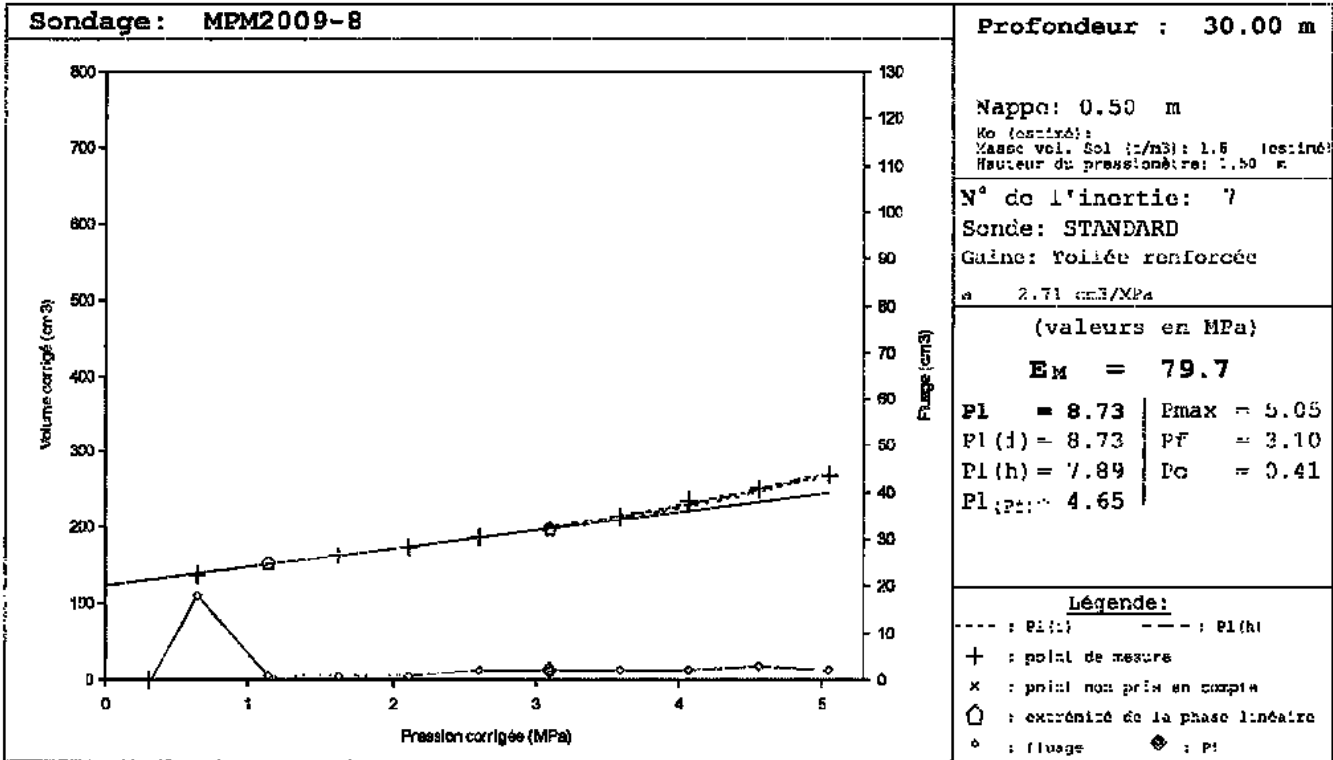
EM = 87.3

PI = 9.26	Pmax = 5.04
PI (i) = 9.26	Pf = 3.08
PI (h) = 7.99	Po = 0.40
PI (pr) = 4.62	

Légende:

--- : PI (i) - - - : PI (h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : PI

AFFAIRE N° : ML.100119	ESSAI PRESSIOMETRIQUE (NFP 94-110)
Affaire: Soil Mechanics - Sizewell C, Leiston TP 16	
FONDASOL 290 rue des Galoubets BP 765 84140 MONTFAVET	Programme: W-Pressio Version : 1.1 Fichier : P12 Dernière mise à jour: 22/12/2010 18:01:32



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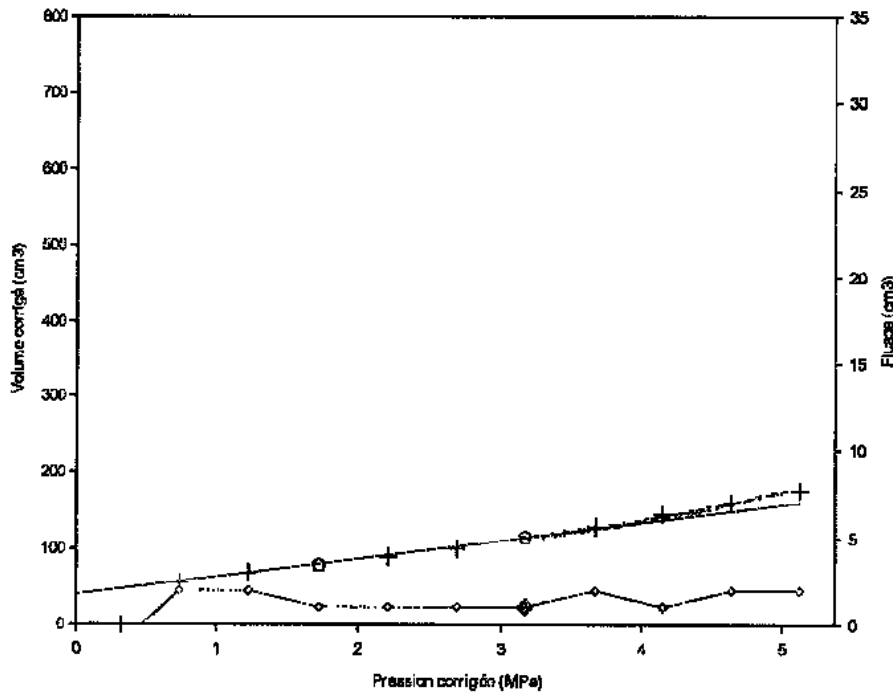
Affaire: Soil Mechanics - Sizewell C, Leiston IP 16

FONDASOL
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Fichier : #12
Dernière mise à jour:
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Sondage: MPM2009-8



Profondeur : 32.00 m

Nappe: 0.50 m

K_0 (estimé):
Masse Vol. Sol (t/m³): 1.8 (estimé)
Hauteur de pression d'eau: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 2.71 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

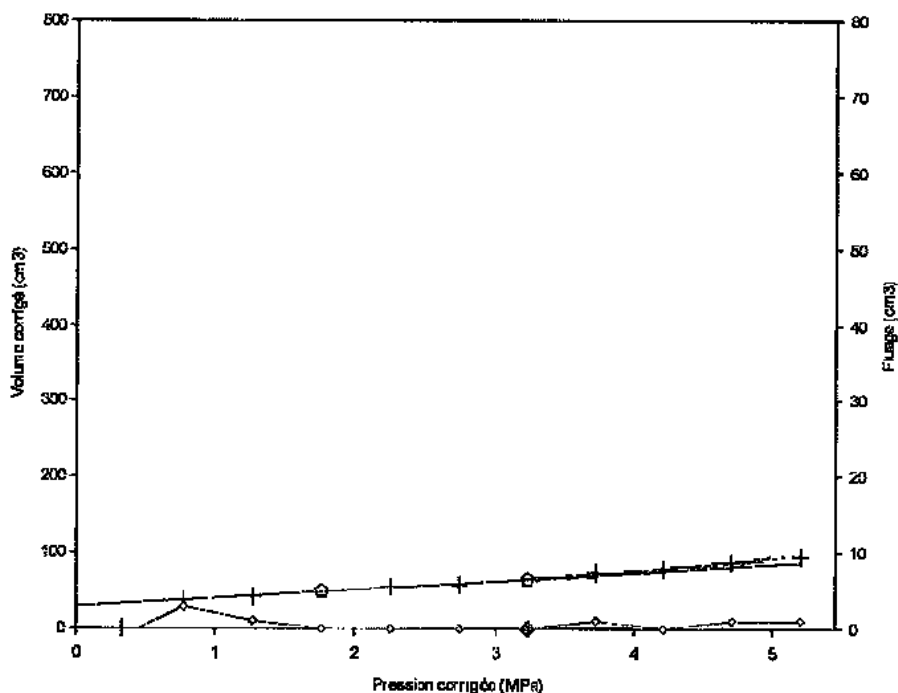
$E_M = 70.5$

$P_1 = 7.73$	$P_{max} = 5.13$
$P_1(i) = 7.73$	$P_f = 3.18$
$P_1(h) = 7.34$	$P_0 = 0.44$
$P_1(P_f) = 4.77$	

Légende:

- : $P_1(i)$
- : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : P_f

Sondage: MPM2009-8



Profondeur : 33.00 m

Nappe: 0.50 m

K_0 (estimé):
Masse Vol. Sol (t/m³): 1.8 (estimé)
Hauteur de pression d'eau: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 2.71 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 137.5$

$P_1 = 8.97$	$P_{max} = 5.20$
$P_1(i) = 8.97$	$P_f = 3.24$
$P_1(h) = 7.78$	$P_0 = 0.45$
$P_1(P_f) = 4.86$	

Légende:

- : $P_1(i)$
- : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics - Sizewell C, Leiston IP 16

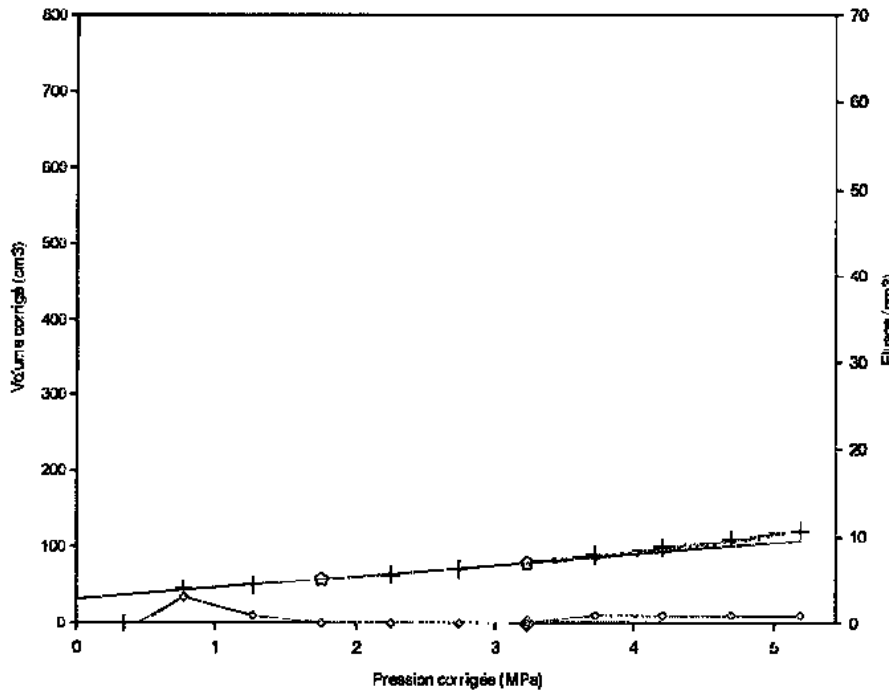
Programme: W-Pressio
Version : 1.1

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Fichier : P12
Dernière mise à jour:
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Sondage: MPM2009-8

Profondeur : 34.00 m



Nappe: 0.50 m

K_0 (estimé):
Masse vol. Sol (γ): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7

Sonde: STANDARD

Gaine: Toilée renforcée

$a = 2.71 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 107.7$

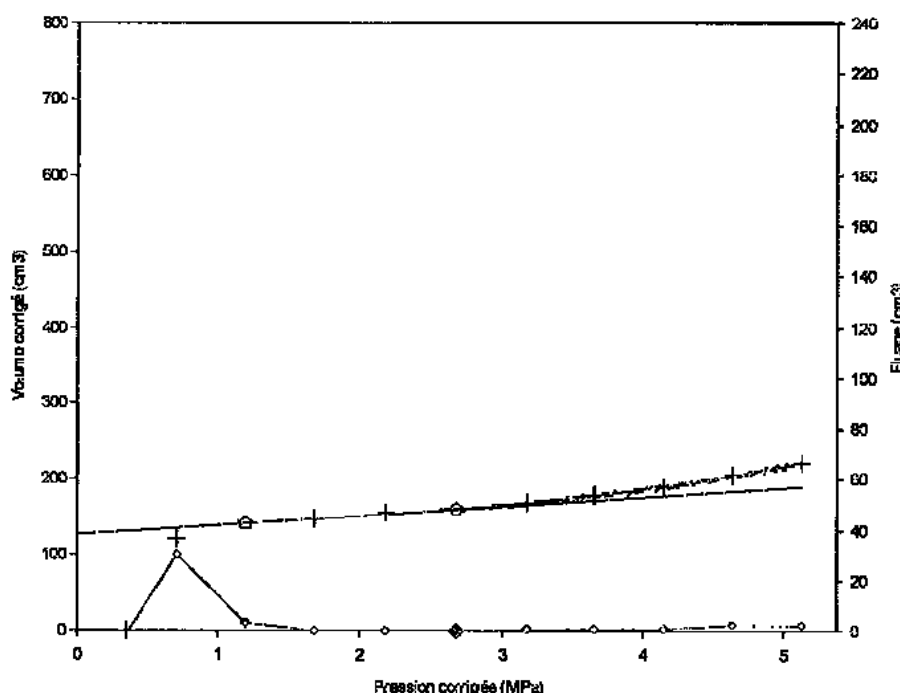
$P_1 = 8.13$	$P_{max} = 5.19$
$P_1(i) = 8.13$	$P_f = 3.23$
$P_1(h) = 7.85$	$P_0 = 0.46$
$P_1(p) = 4.85$	

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

Sondage: MPM2009-8

Profondeur : 35.00 m



Nappe: 0.50 m

K_0 (estimé):
Masse vol. Sol (γ): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7

Sonde: STANDARD

Gaine: Toilée renforcée

$a = 2.71 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 151.0$

$P_1 = 9.89$	$P_{max} = 5.13$
$P_1(i) = 9.89$	$P_f = 2.68$
$P_1(h) = 6.88$	$P_0 = 0.48$
$P_1(p) = 4.02$	

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics - Sizewell C, Leiston IP 16

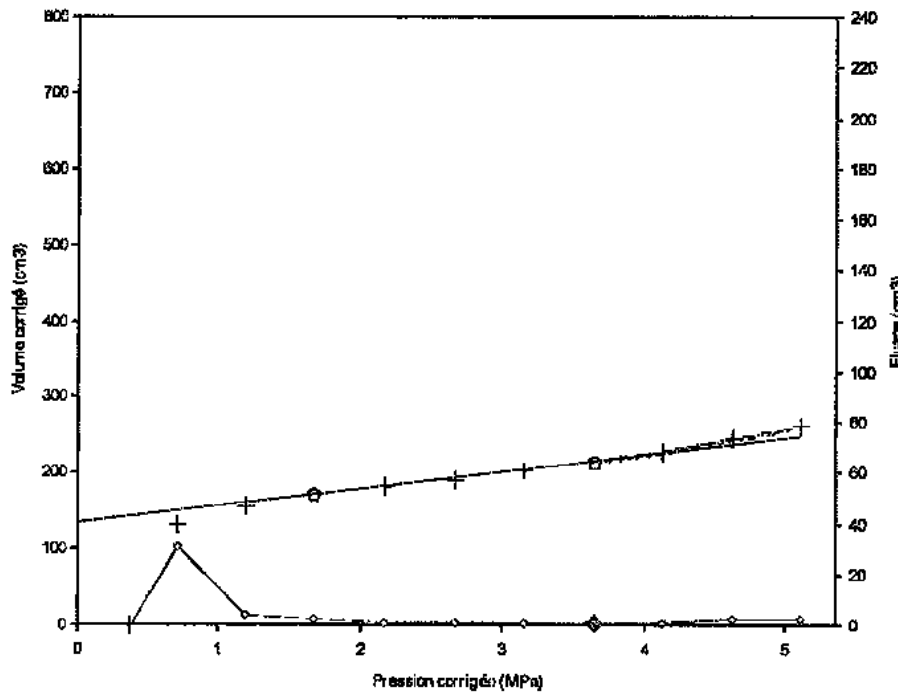
Programme: W-Pressio
Version : 1.1

FONDASOL
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84140 MONTFAVET

Fichier : P12
Dernière mise à jour:
22/12/2010 18:01:32

Sondage: MPM2009-8

Profondeur : 36.00 m



Nappe: 0.50 m
K₀ (estimé):
Masse Vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilee renforcée
a = 2.71 cm³/MPa

(valeurs en MPa)

E_M = 87.4

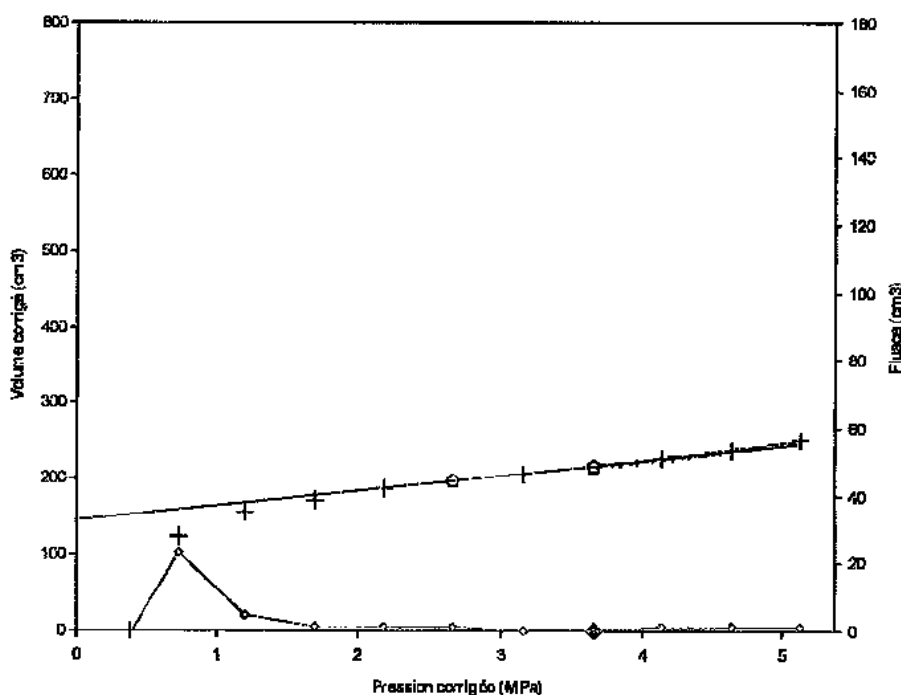
P _l = 9.83	P _{max} = 5.12
P _{l(i)} = 9.83	P _F = 3.65
P _{l(h)} = 8.58	P _o = 0.49
P _{l(PF)} = 5.47	

Légende:

--- : P_{l(i)} - - - : P_{l(h)}
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ♦ : P_F

Sondage: MPM2009-8

Profondeur : 37.00 m



Nappe: 0.50 m
K₀ (estimé):
Masse Vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 7
Sonde: STANDARD
Gaine: Toilee renforcée
a = 2.71 cm³/MPa

(valeurs en MPa)

E_M = 100.8

P _l = 12.05	P _{max} = 5.13
P _{l(i)} = 12.05	P _F = 3.66
P _{l(h)} = 10.63	P _o = 0.51
P _{l(PF)} = 5.48	

Légende:

--- : P_{l(i)} - - - : P_{l(h)}
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ♦ : P_F

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

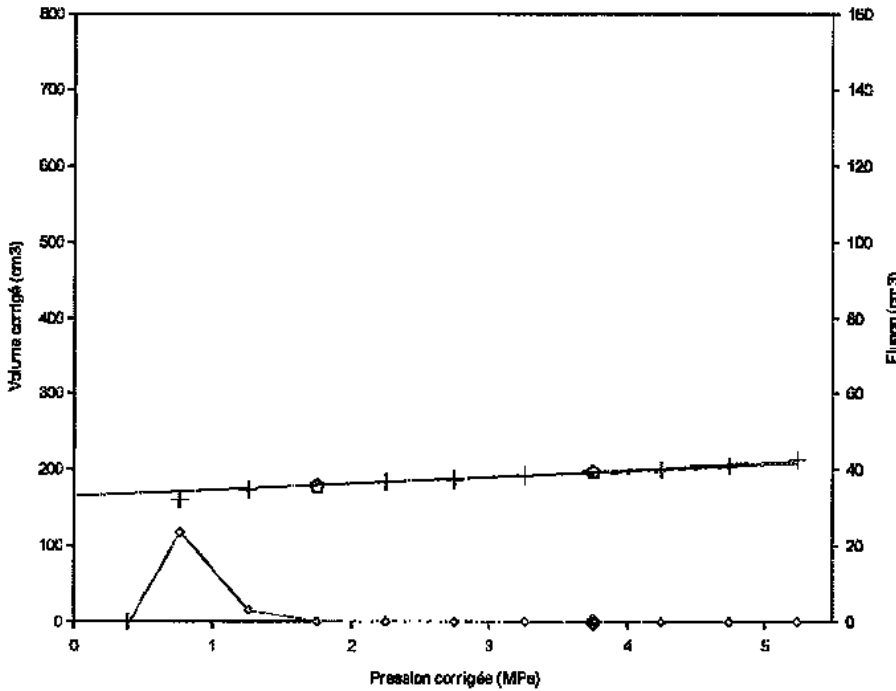
Affaire: Soil Mechanics - Sizewell C, Leiston IP 16

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Programme: W-Pressio
Version : 1.1

Fichier : P12
Dernière mise à jour:
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Sondage: MPM2009-8



Profondeur : 38.00 m

Nappe: 0.50 m
K₀ testiné):
Masse vol. Sol (t/m³): 1.8 (extrémé):
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 8
Sonde: STANDARD
Gaine: 3 mm

a = 2.64 cm³/MPa

(valeurs en MPa)

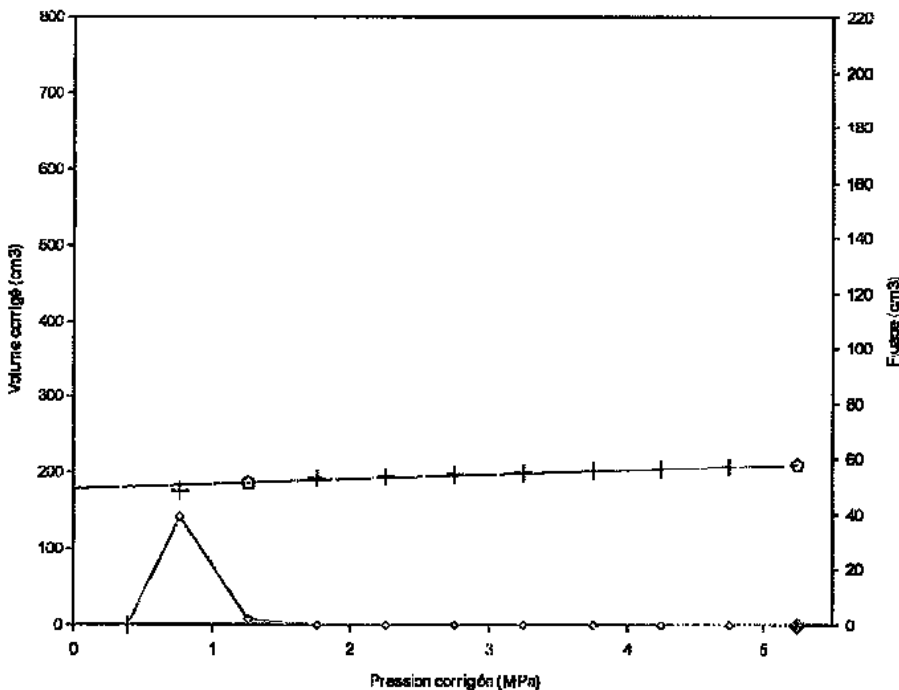
E_m = 229.0

P ₁ = 19.17	P _{max} = 5.24
P ₁ (i) = 19.17	P _F = 3.75
P ₁ (h) = 10.06	P ₀ = 0.52
P ₁ (P ₁) = 5.62	

Légende:

- : P₁(i)
- : P₁(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◇ : fluage
- ◆ : P₁

Sondage: MPM2009-8



Profondeur : 39.00 m

Nappe: 0.50 m
K₀ testiné):
Masse vol. Sol (t/m³): 1.8 (extrémé):
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 8
Sonde: STANDARD
Gaine: 3 mm

a = 2.64 cm³/MPa

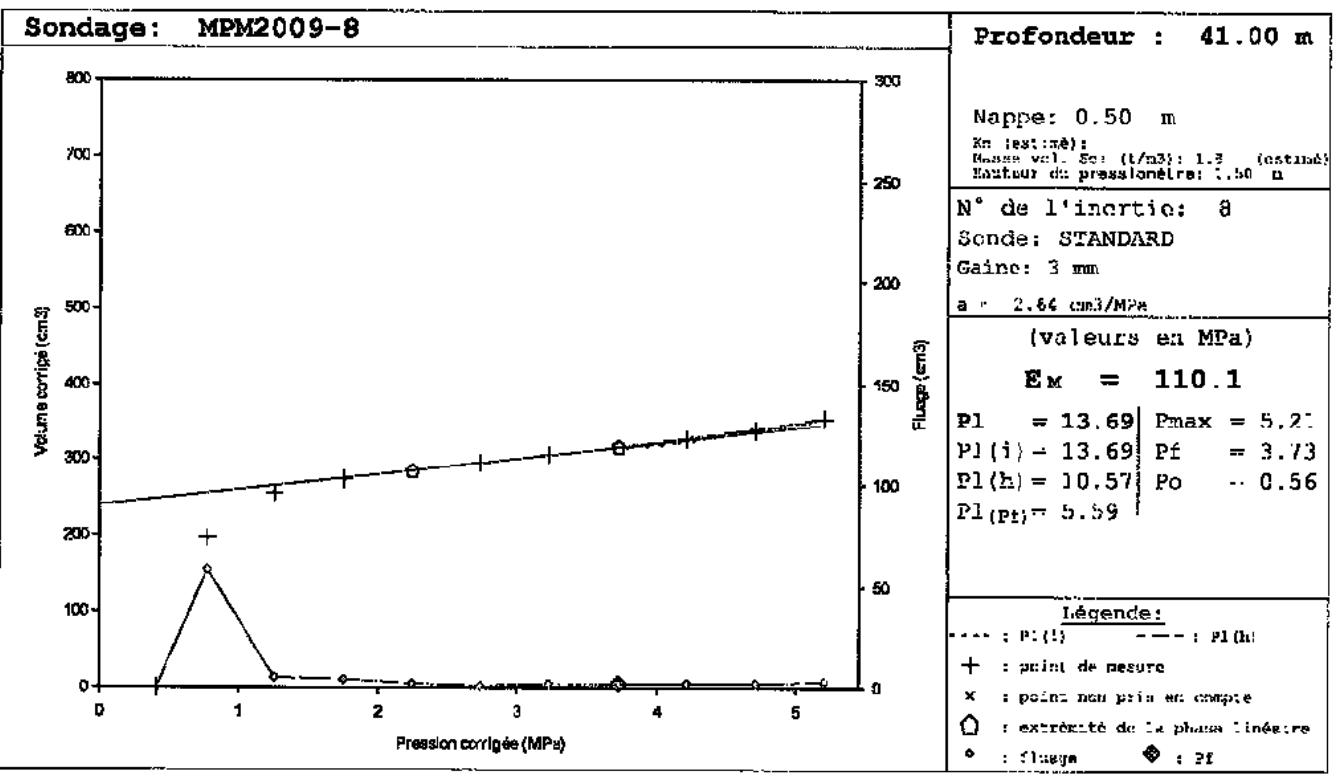
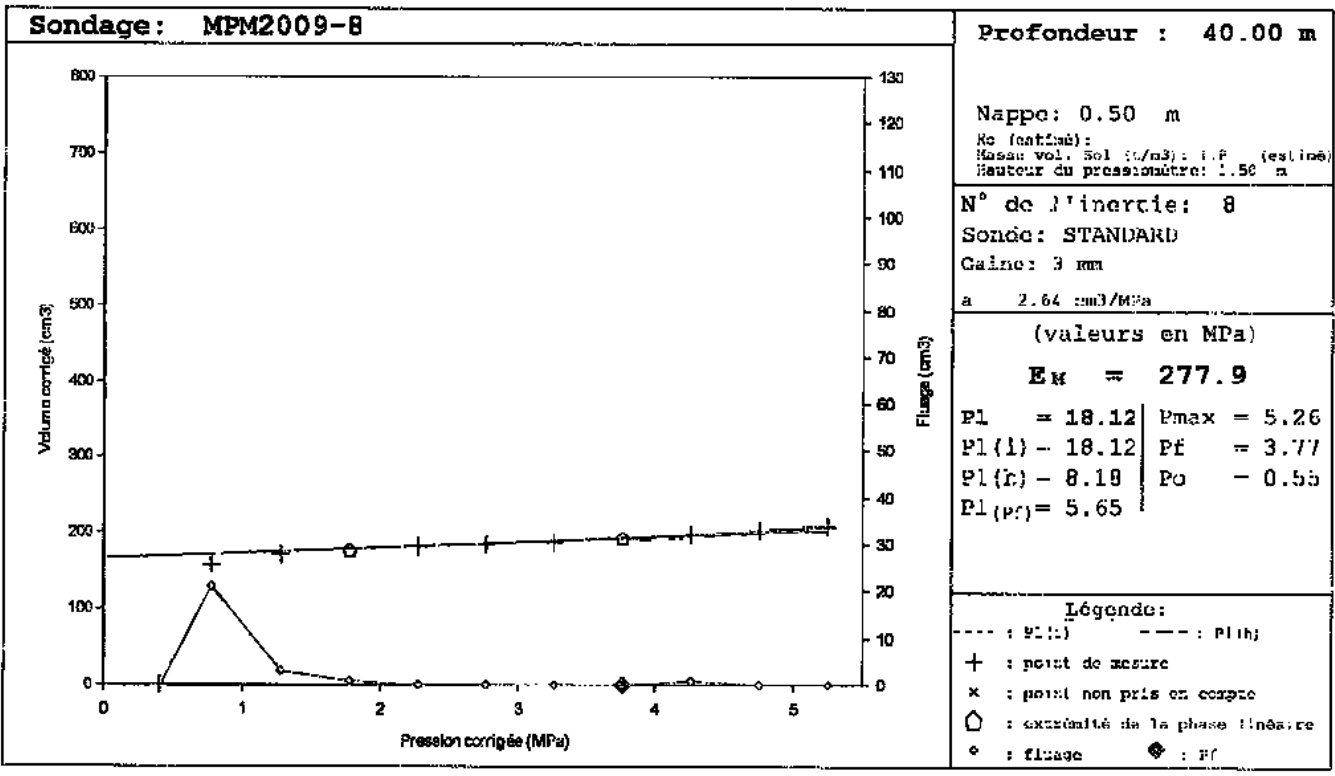
(valeurs en MPa)

E_m = 318.6

P ₁ > 5.25	P _{max} = 5.25
	P _F > 5.25
	P ₀ = 0.53
P ₁ (P ₁) > 7.87	

Légende:

- : P₁(i)
- : P₁(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◇ : fluage
- ◆ : P₁



AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics - Sizwell C, Leiston TP 16

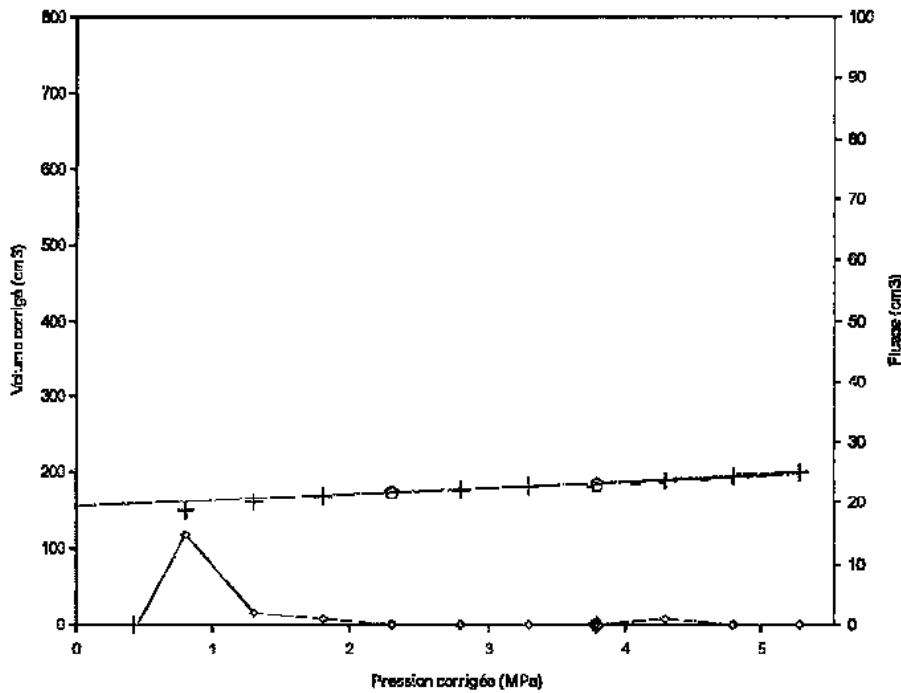
Programme: W-Pressio
Version : 1.1

FONDASOL
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Fichier : P12
Dernière mise à jour:
22/12/2010 18:01:32

Sondage: MPM2009-8

Profondeur : 42.00 m



Nappe: 0.50 m
Kc (estiré):
Masse vol. Sol (t/m³): 1.6 (estiré)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 8
Sonde: STANDARD
Gaine: 3 mm

$\alpha = 2.64 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 235.7$

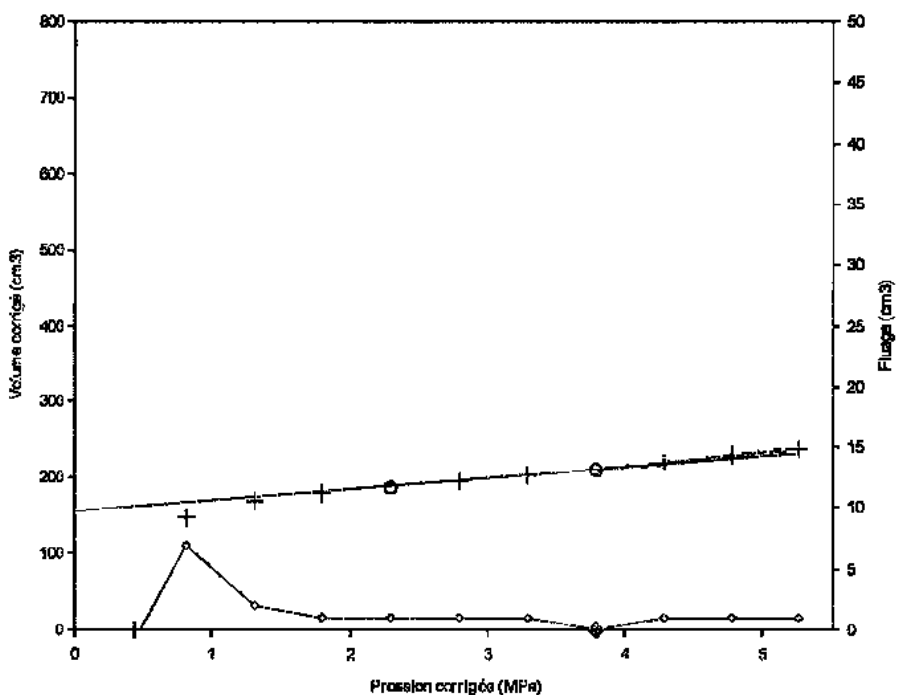
$P1 = 19.65$	$P_{max} = 5.28$
$P1(i) = 19.65$	$Pf = 3.79$
$P1(h) = 10.99$	$Po = 0.57$
$P1(Pf) = 5.69$	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- ⬠ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : Pf

Sondage: MPM2009-8

Profondeur : 43.00 m



Nappe: 0.50 m
Kc (estiré):
Masse vol. Sol (t/m³): 1.8 (estiré)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 8
Sonde: STANDARD
Gaine: 3 mm

$\alpha = 2.64 \text{ cm}^3/\text{MPa}$

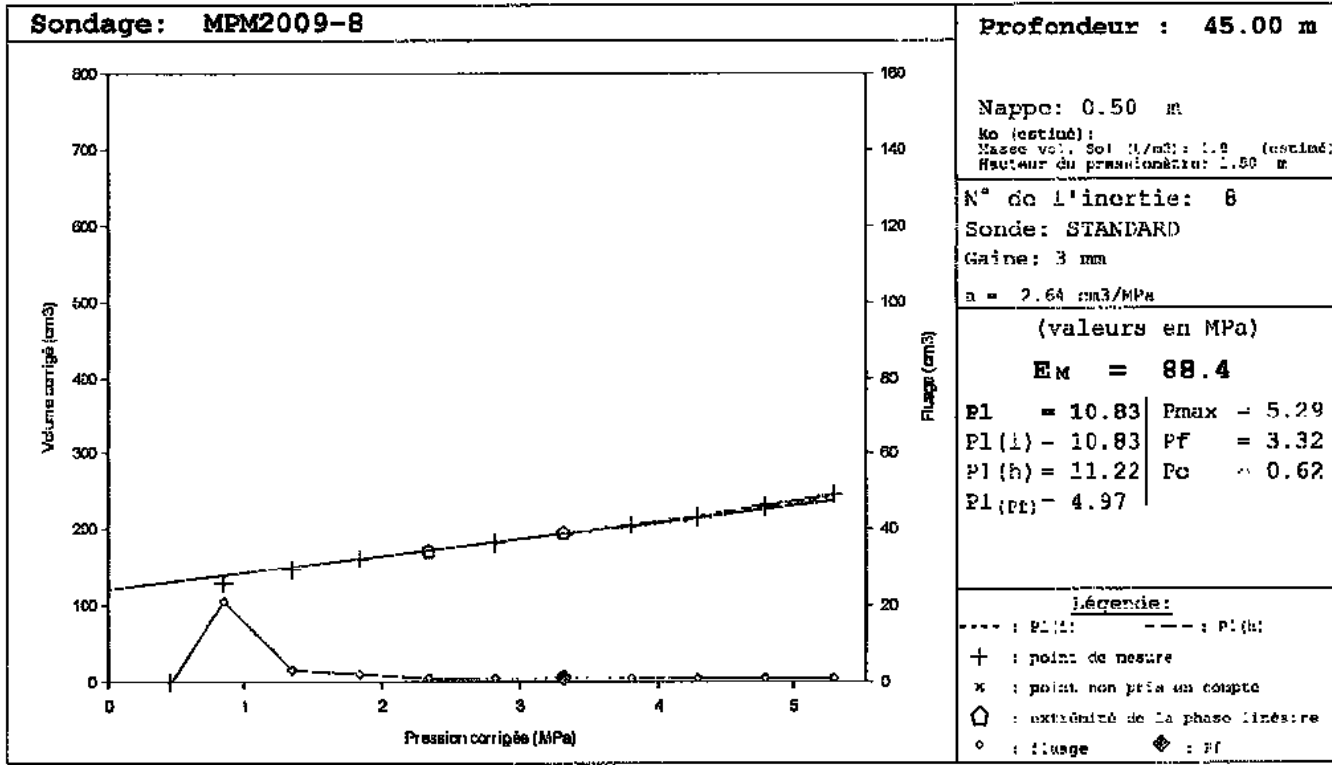
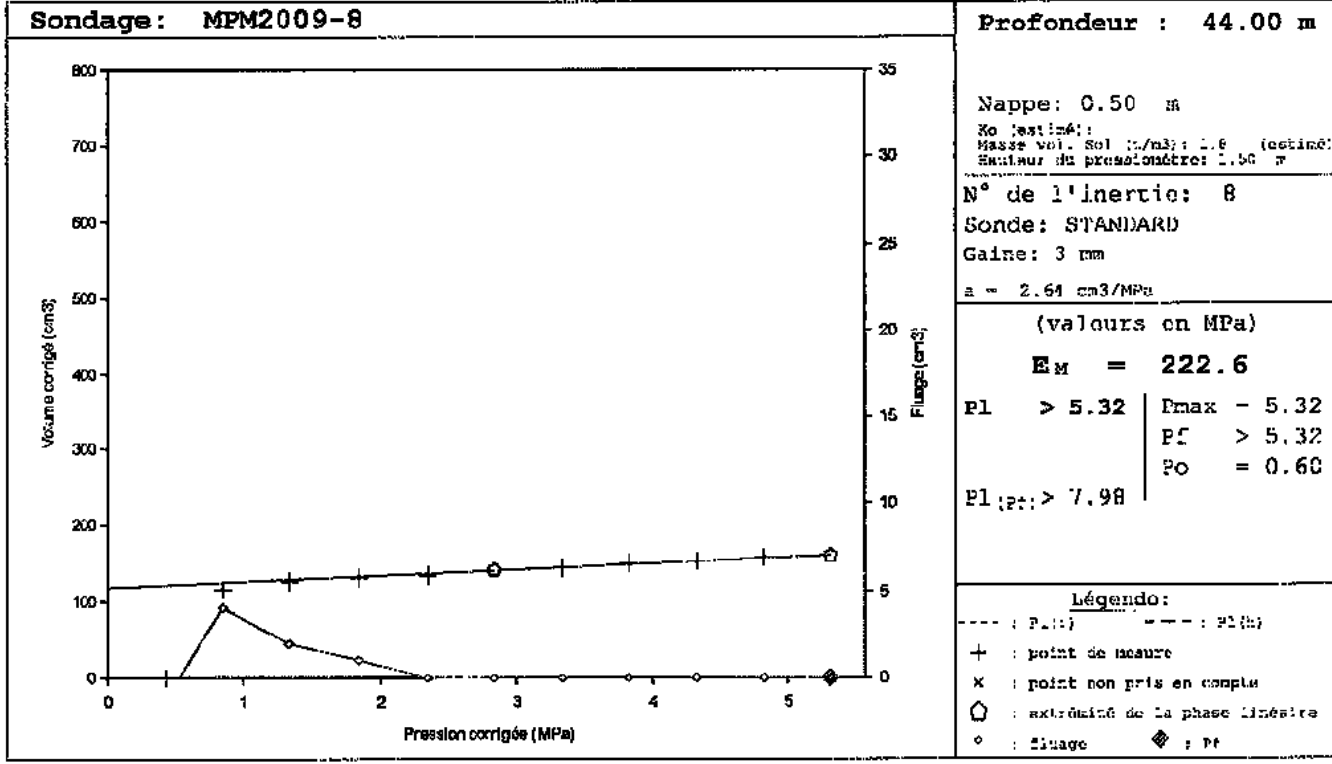
(valeurs en MPa)

$E_M = 131.9$

$P1 = 13.85$	$P_{max} = 5.27$
$P1(i) = 13.85$	$Pf = 3.79$
$P1(h) = 11.25$	$Po = 0.59$
$P1(Pf) = 5.68$	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- ⬠ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : Pf



AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics - Sizewell C, Leiston IP 16

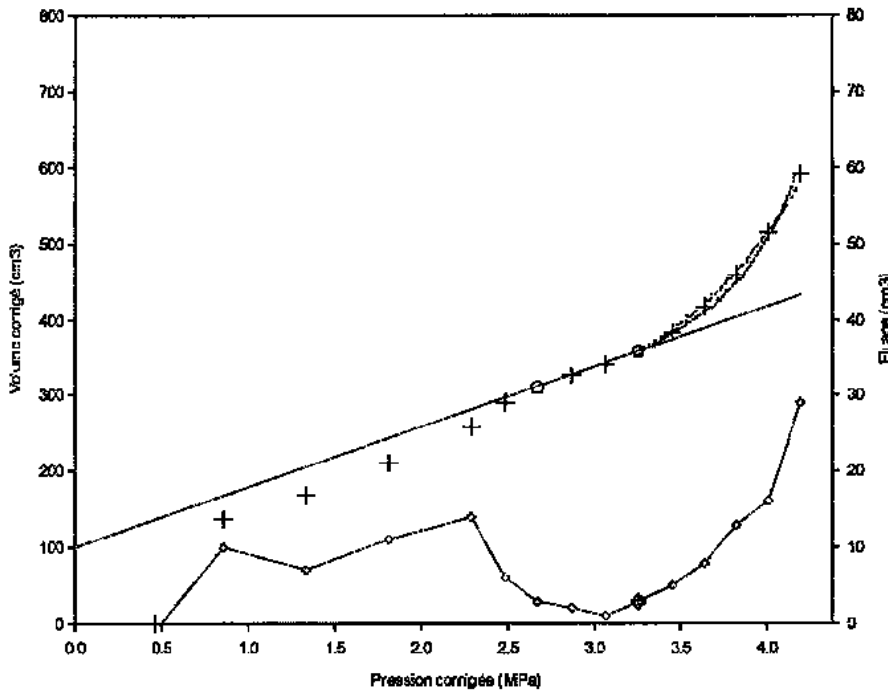
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290 rue des Galoubets
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84140 MONTFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P12
Dernière mise à jour:
22/12/2010 18:01:32

Sondage: MPM2009-8

Profondeur : 46.00 m



Nappe: 0.50 m
No testinés:
Masse vol. Sol (t/m³): 1.6 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 8

Sonde: STANDARD

Gaine: 3 mm

a = 2.64 cm³/MPa

(valeurs en MPa)

EM = 29.2

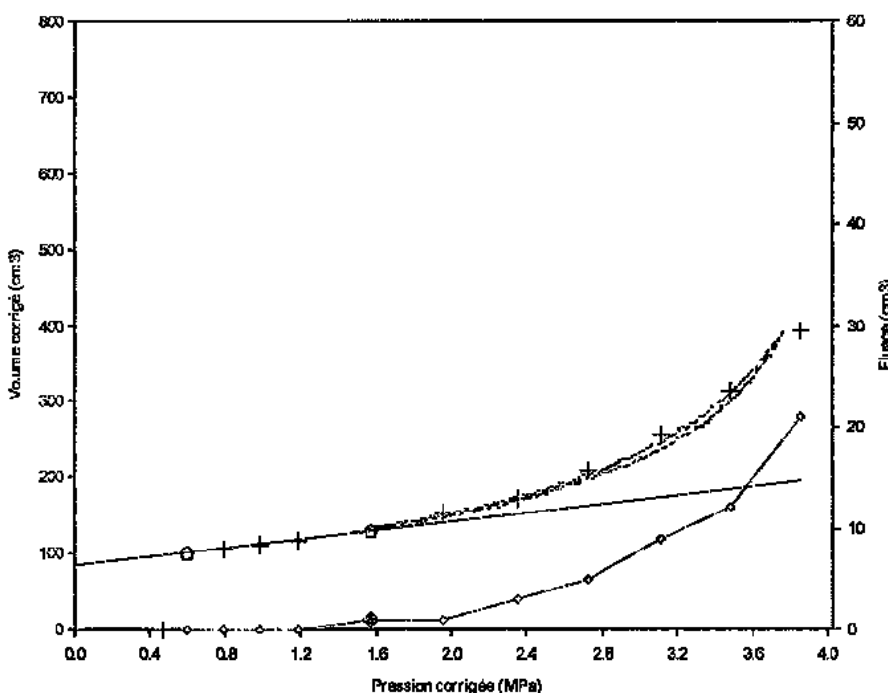
P1 = 4.96	Pmax = 4.20
P1 (i) = 4.96	PF = 3.26
P1 (h) = 4.47	P0 = 0.63
P1 (pf) = 4.89	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◊ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P1

Sondage: MPM2009-8

Profondeur : 47.00 m



Nappe: 0.50 m
No testinés:
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 8

Sonde: STANDARD

Gaine: 3 mm

a = 2.64 cm³/MPa

(valeurs en MPa)

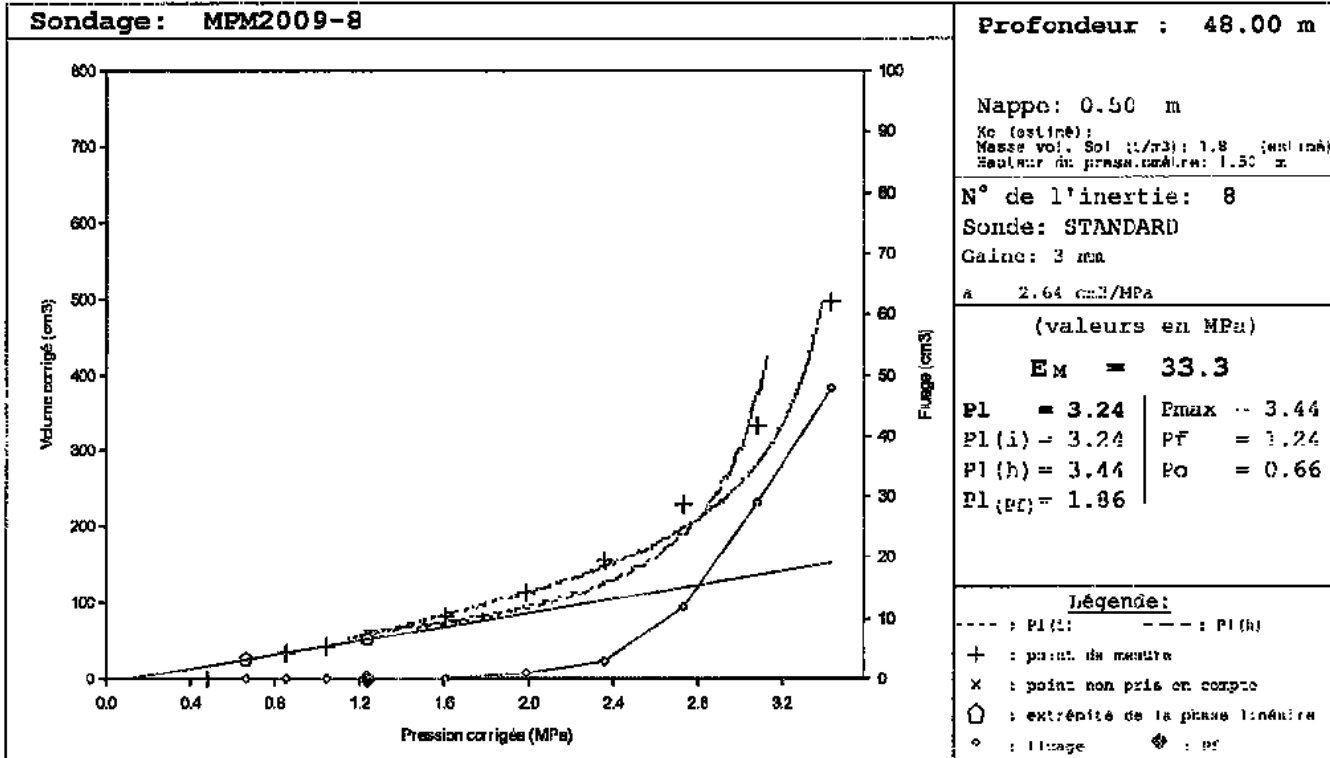
EM = 59.7

P1 = 4.31	Pmax = 3.86
P1 (i) = 4.31	PF = 1.57
P1 (h) = 4.08	P0 = 0.64
P1 (pf) = 2.36	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◊ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P1

AFFAIRE N° : ML.100119	ESSAI PRESSIOMETRIQUE (NFP 94-110)
Affaire: Soil Mechanics - Sizewell C, Leiston IP 16	
FONDASOI: 290 rue des Galoubets BP 765 84140 MONTFAVET	Programme: W-Pressio Version : 1.1 Fichier : P12 Dernière mise à jour: 22/12/2010 18:01:32



AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

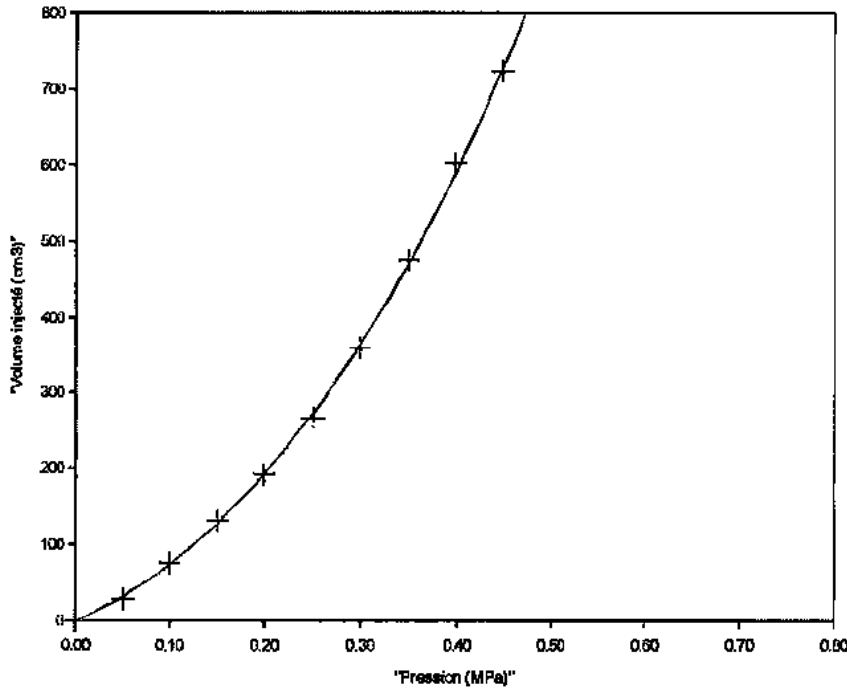
Affaire: Soil Mechanics - Sizewell C, Leiston IP 16

Programme: W-Pressio
Version : 1.1

FONDASOL
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Fichier : P12
Dernière mise à jour:
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ETALONNAGE N° 7



Type sonde :
STANDARD

Gaine:
Toilée renforcée

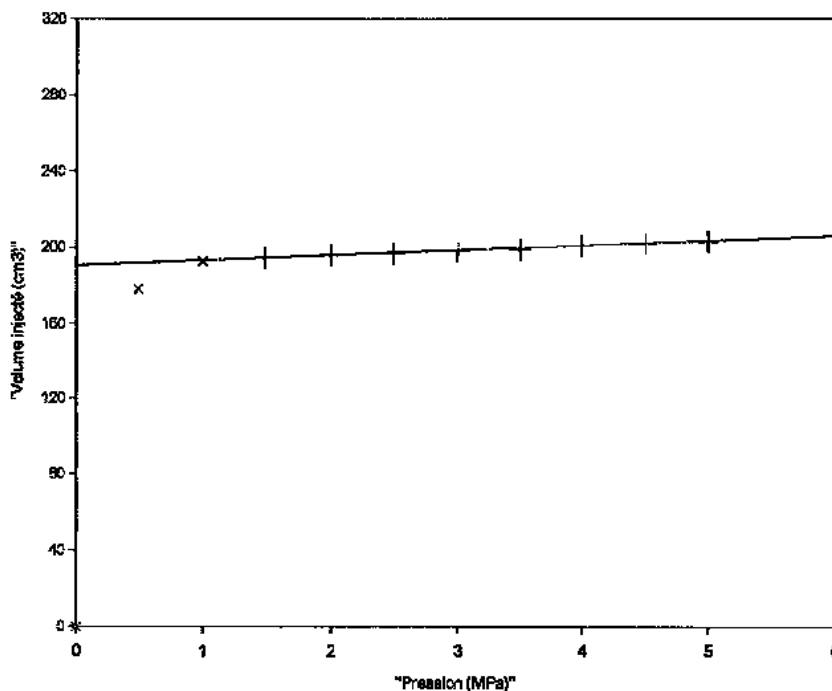
Vs = 535 cm³

Conforme à la norme
NFP 94-110-1

Légende:

· : point de mesure
x : point non pris en compte

CALIBRAGE N° 7



Type sonde :
STANDARD

Gaine:
Toilée renforcée

Vs = 535 cm³

Coef. de compressibilité:
a = 2.71 cm³/MPa

Conforme à la norme
NFP 94-110-1

Légende:

· : point de mesure
x : point non pris en compte

AFFAIRE N° : ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

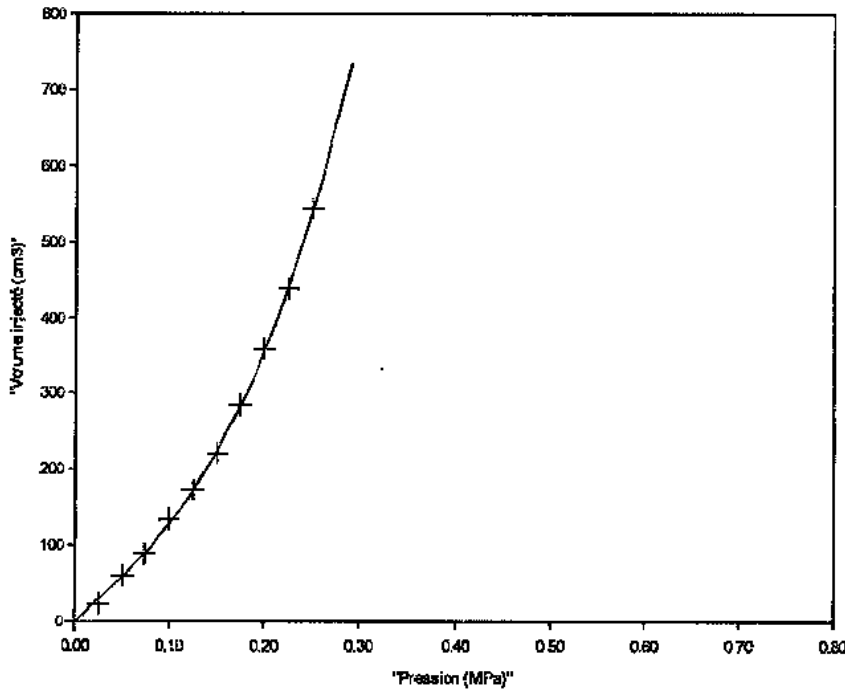
Affaire: Soil Mechanics - Sizewell C, Leiston IP 16

Programme: W-Pressio
Version : 1.1

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290 rue des Galoubets
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Fichier : P12
Dernière mise à jour:
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ETALONNAGE N° 8



Type sonde :
STANDARD

Gaine:
3 mm

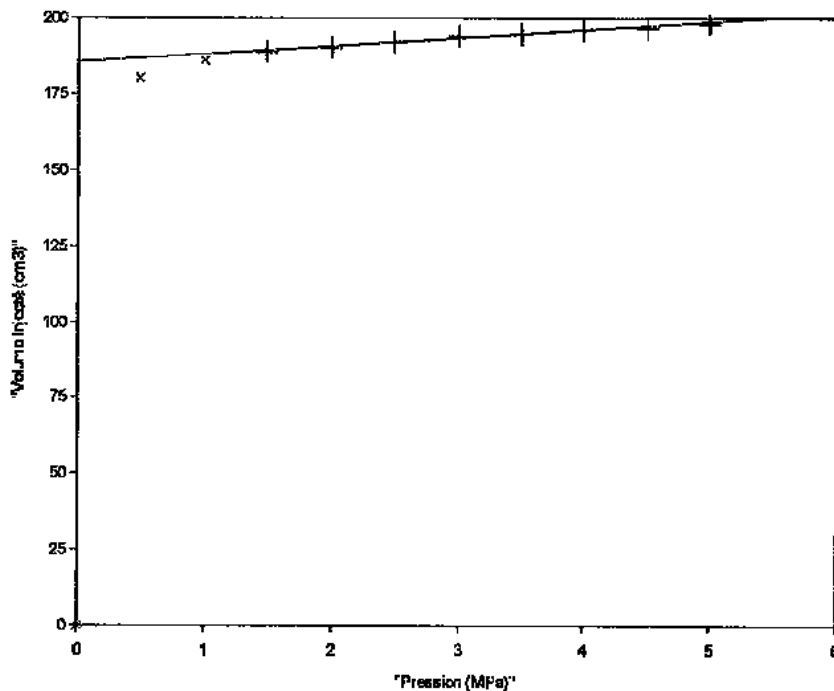
Vs = 535 cm³

Conforme à la norme
NFP 94-110-1

Légende:

- : point de mesure
- x : point non pris en compte

CALIBRAGE N° 8



Type sonde :
STANDARD

Gaine:
3 mm

Vs = 535 cm³

Coef. de compressibilité:
a = 2.64 cm³/MPa

Conforme à la norme
NFP 94-110-1

Légende:

- : point de mesure
- x : point non pris en compte

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

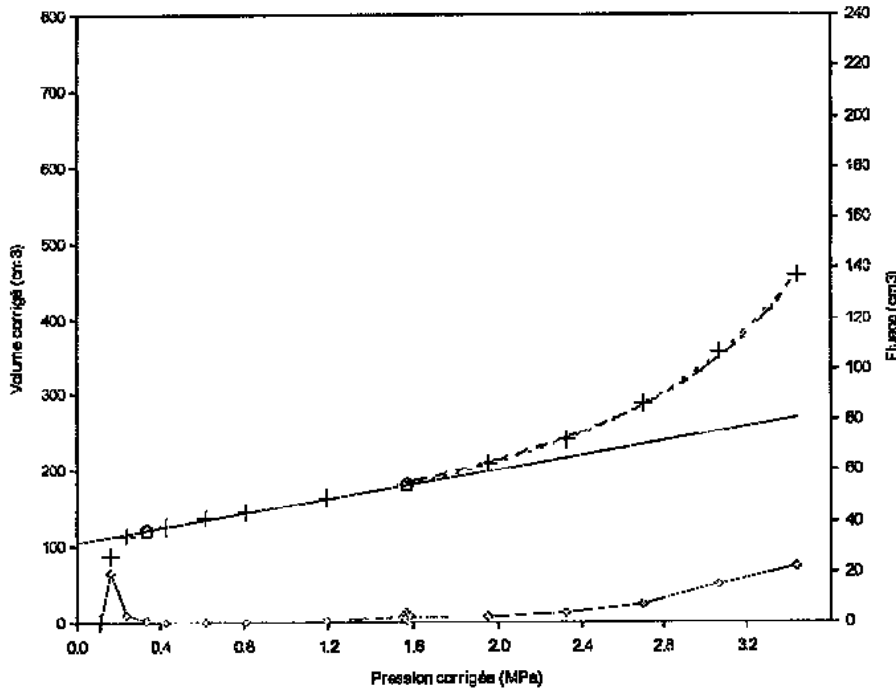
Programme: W-PRASSIO
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTEFAVET

Fichier : P3
Dernière mise à jour:
01/09/2010 18:15:53

Sondage: MPM2009-09

Profondeur : 10.00 m



Nappe: 2.80 m
No (estimé):
Masse vol. sol (γ/m^3): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 1.21 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 38.2$

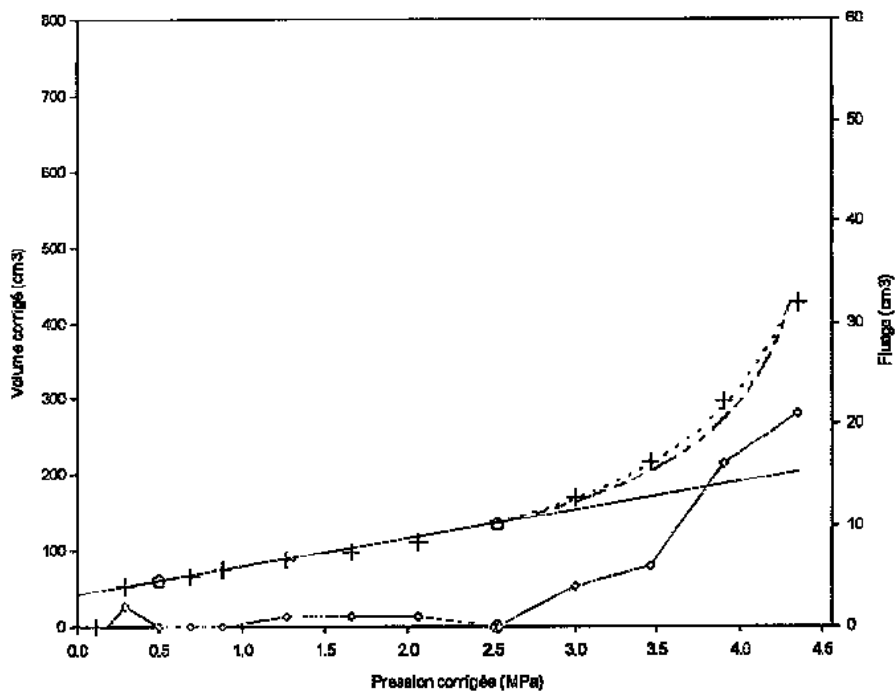
Pl = 3.93	Pmax = 3.43
Pl(i) = 3.93	Pf = 1.58
Pl(h) = 3.80	Po = 0.12
Pl(Pf) = 2.37	

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

Sondage: MPM2009-09

Profondeur : 11.00 m



Nappe: 2.80 m
No (estimé):
Masse vol. sol (γ/m^3): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 1.21 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 45.5$

Pl = 4.64	Pmax = 4.35
Pl(i) = 4.64	Pf = 2.53
Pl(h) = 4.49	Po = 0.14
Pl(Pf) = 3.80	

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

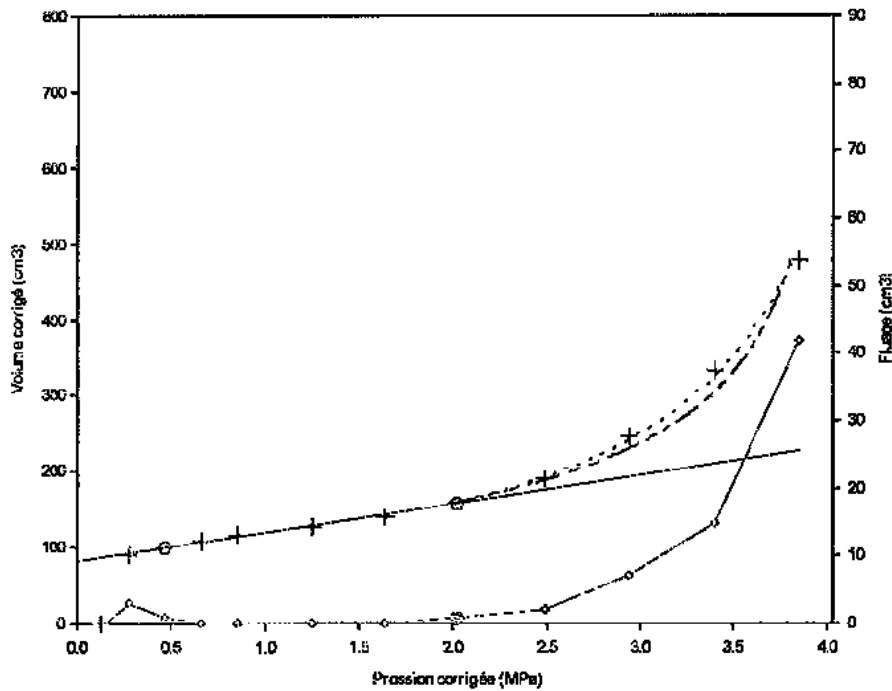
Programme: W-Pressio
Version : 1.1

FONDASOL
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Fichier : P3
Dernière mise à jour:
01/09/2010 18:15:53

Sondage: MPM2009-09

Profondeur : 12.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.21 cm³/MPa

(valeurs en MPa)

E_m = 47.0

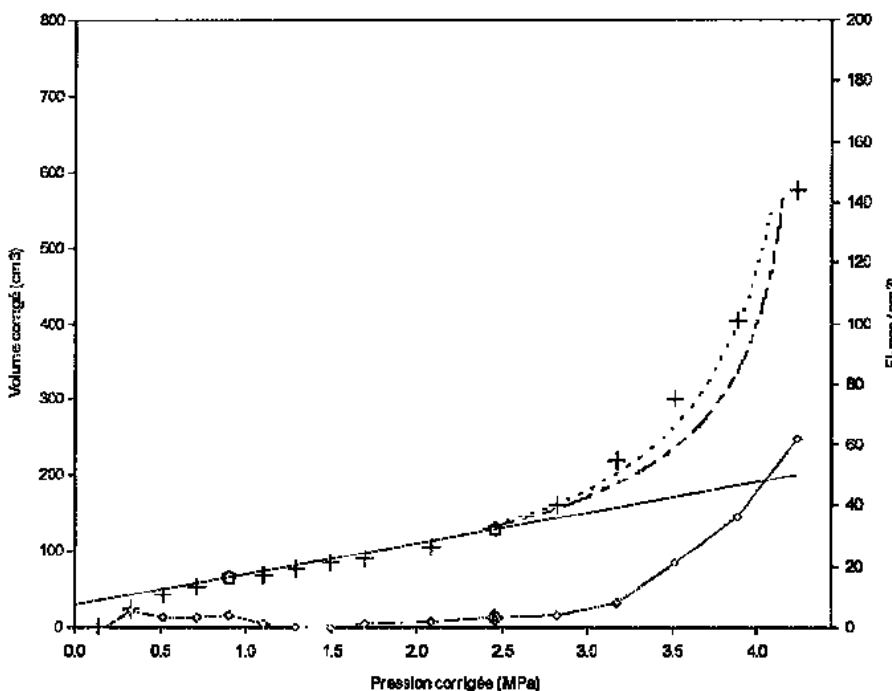
P1 = 4.16	Pmax = 3.84
P1(i) = 4.16	Pf = 2.02
P1(h) = 3.97	Po = 0.15
P1(pf) = 3.03	

Légende:

--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM2009-09

Profondeur : 13.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.21 cm³/MPa

(valeurs en MPa)

E_m = 41.3

P1 = 4.17	Pmax = 4.23
P1(i) = 4.17	Pf = 2.46
P1(h) = 4.19	Po = 0.16
P1(pf) = 3.69	

Légende:

--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

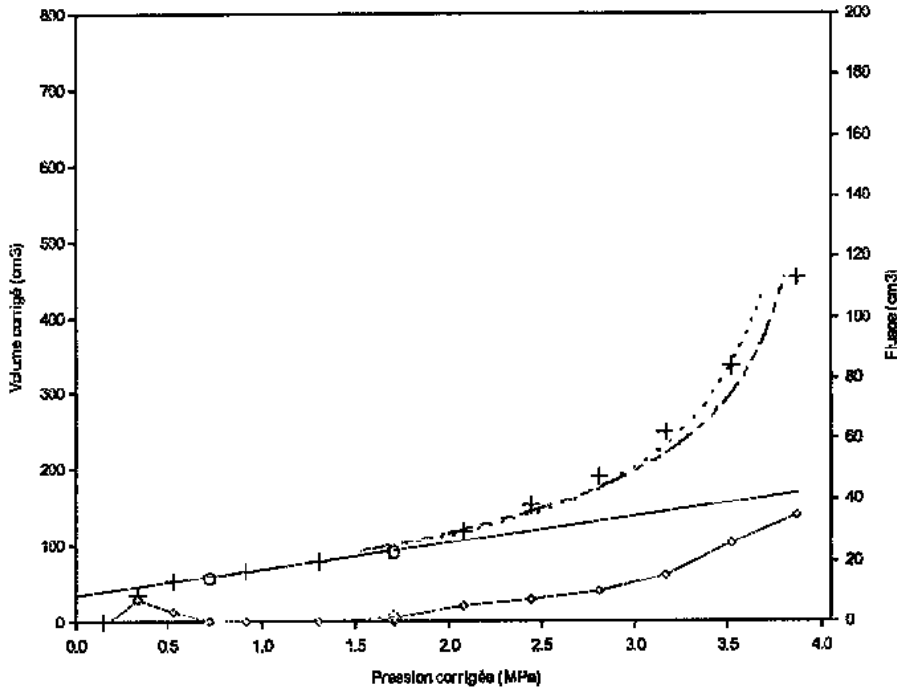
Programme: W-Pressio
Version : 1.1

FONDASOL
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Fichier : P3
Dernière mise à jour:
01/09/2010 18:15:53

Sondage: MPM2009-09

Profondeur : 14.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.21 cm³/MPa

(valeurs en MPa)

E_m = 47.0

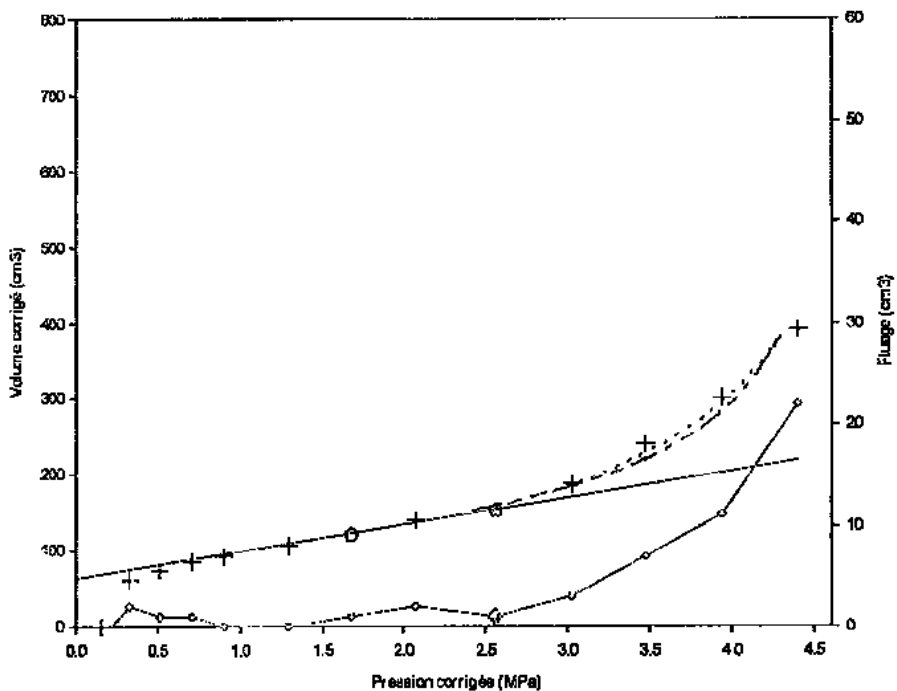
P1 = 3.90	Pmax = 3.87
P1(i) = 3.90	Pf = 1.70
P1(h) = 3.93	Po = 0.18
P1(pf) = 2.54	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◇ : extrémité de la phase linéaire
- : fluage
- ◆ : Pf

Sondage: MPM2009-09

Profondeur : 15.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 3
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.21 cm³/MPa

(valeurs en MPa)

E_m = 50.4

P1 = 4.94	Pmax = 4.40
P1(i) = 4.94	Pf = 2.55
P1(h) = 4.64	Po = 0.19
P1(pf) = 3.83	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- ◇ : extrémité de la phase linéaire
- : fluage
- ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

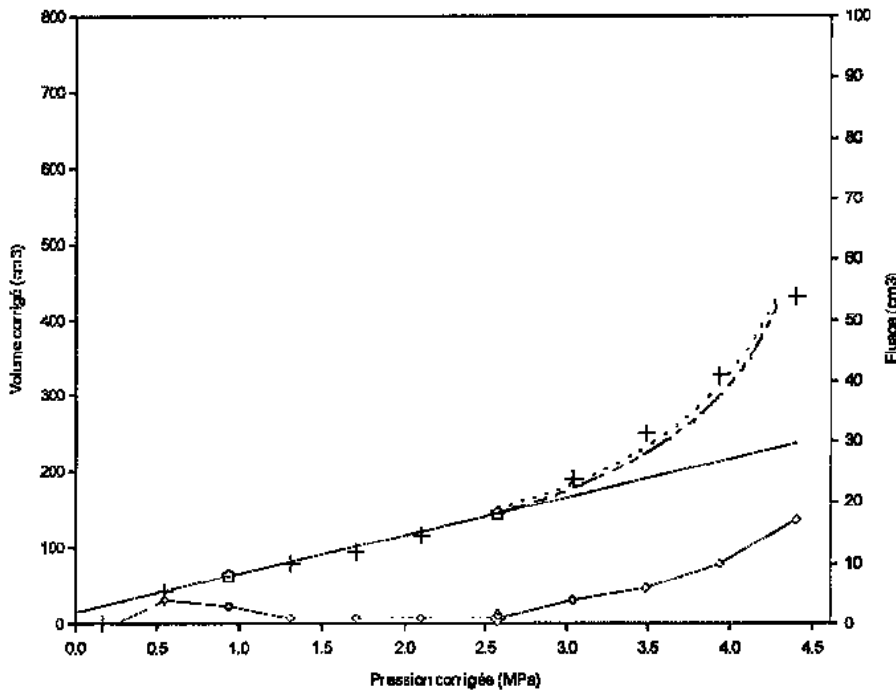
FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Programme: W-PRESSIO
Version : 1.1

Fichier : P3
Dernière mise à jour:
01/09/2010 18:15:53

Sondage: MPM2009-09

Profondeur : 16.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

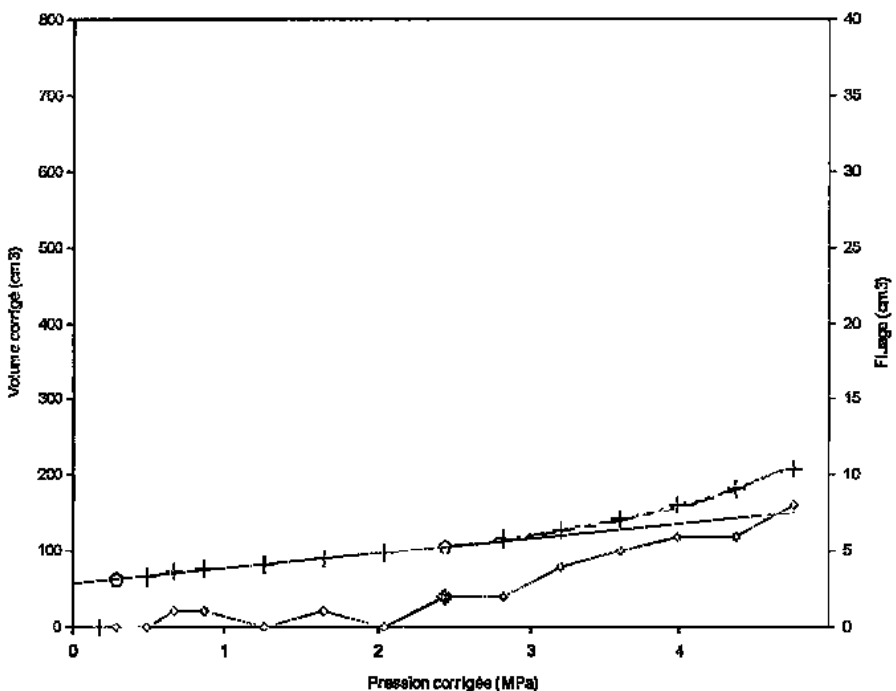
N° de l'inertie: 3
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.21 cm³/MPa

(valeurs en MPa)
E_M = 33.9
P₁ = 4.51 | P_{max} = 4.40
P₁(i) = 4.61 | P_f = 2.57
P₁(h) = 4.54 | P₀ = 0.21
P₁(P_f) = 3.86

Légende:
- - - : P₁(i) - - - : P₁(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

Sondage: MPM2009-09

Profondeur : 17.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a = 2.00 cm³/MPa

(valeurs en MPa)
E_M = 86.2
P₁ = 6.37 | P_{max} = 4.74
P₁(i) = 6.37 | P_f = 2.43
P₁(h) = 5.66 | P₀ = 0.22
P₁(P_f) = 3.65

Légende:
- - - : P₁(i) - - - : P₁(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

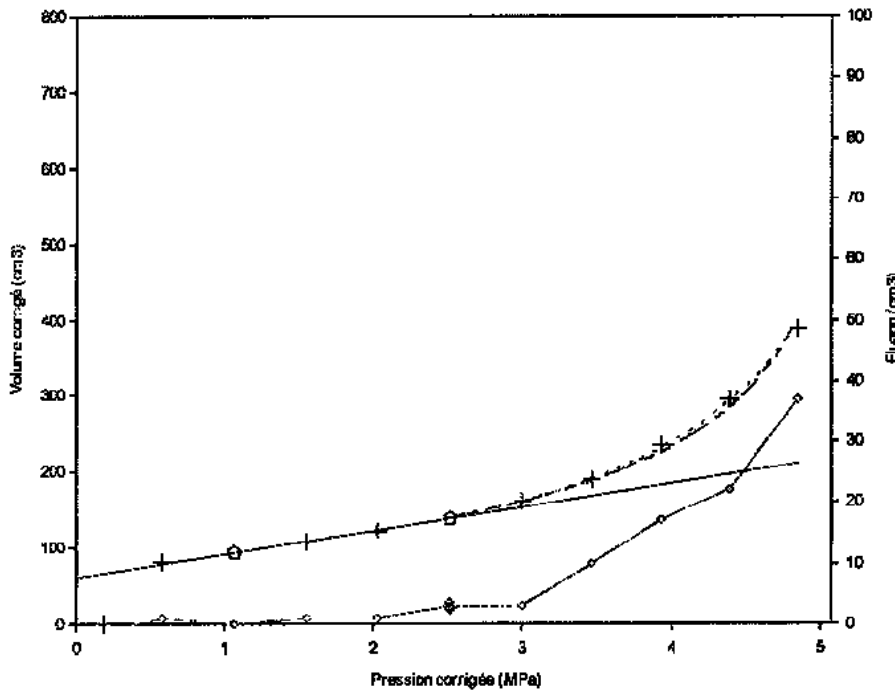
FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P3
Dernière mise à jour:
01/09/2010 18:15:53

Sondage: MPM2009-09

Profondeur : 18.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

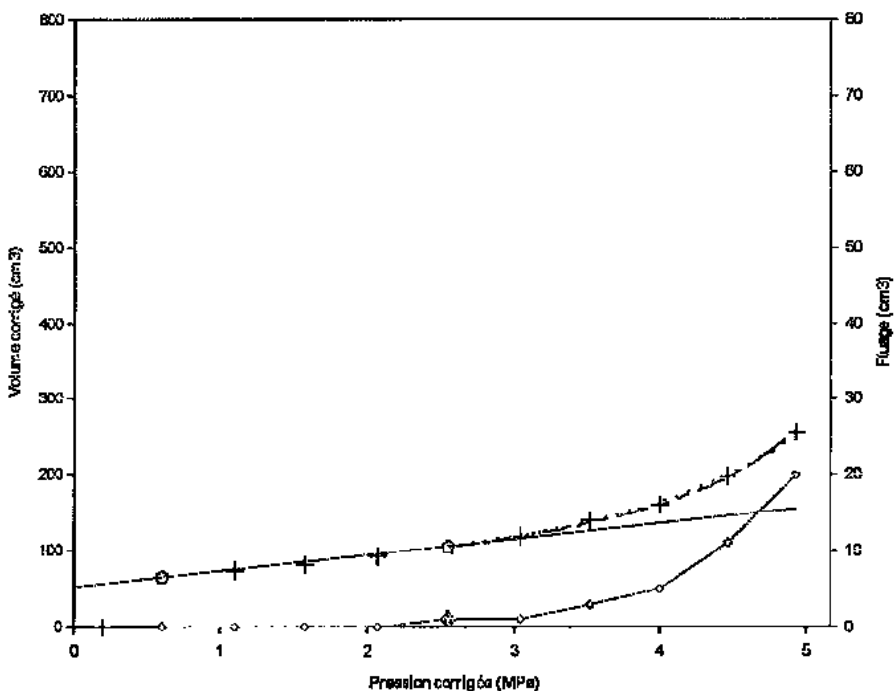
N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a = 2.00 cm³/MPa

(valeurs en MPa)
EM = 58.0
P1 = 5.44 | Pmax = 4.85
P1(i) = 5.44 | PF = 2.51
P1(h) = 5.22 | Po = 0.23
P1(pf) = 3.77

Légende:
- - - : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : Fluage ◆ : Pf

Sondage: MPM2009-09

Profondeur : 19.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a = 2.00 cm³/MPa

(valeurs en MPa)
EM = 81.5
P1 = 6.02 | Pmax = 4.93
P1(i) = 6.02 | PF = 2.55
P1(h) = 5.52 | Po = 0.25
P1(pf) = 3.83

Légende:
- - - : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : Fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

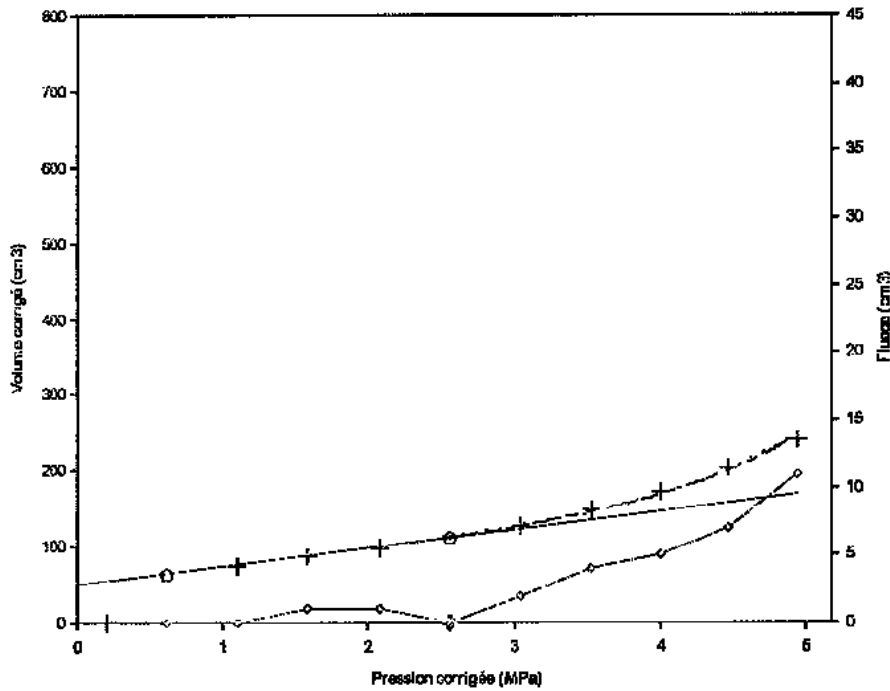
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Programme: W-Pressio
Version : 1.1

Fichier : P3
Dernière mise à jour:
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Sondage: MPM2009-09

Profondeur : 20.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a = 2.00 cm³/MPa

(valeurs en MPa)

E_M = 71.1

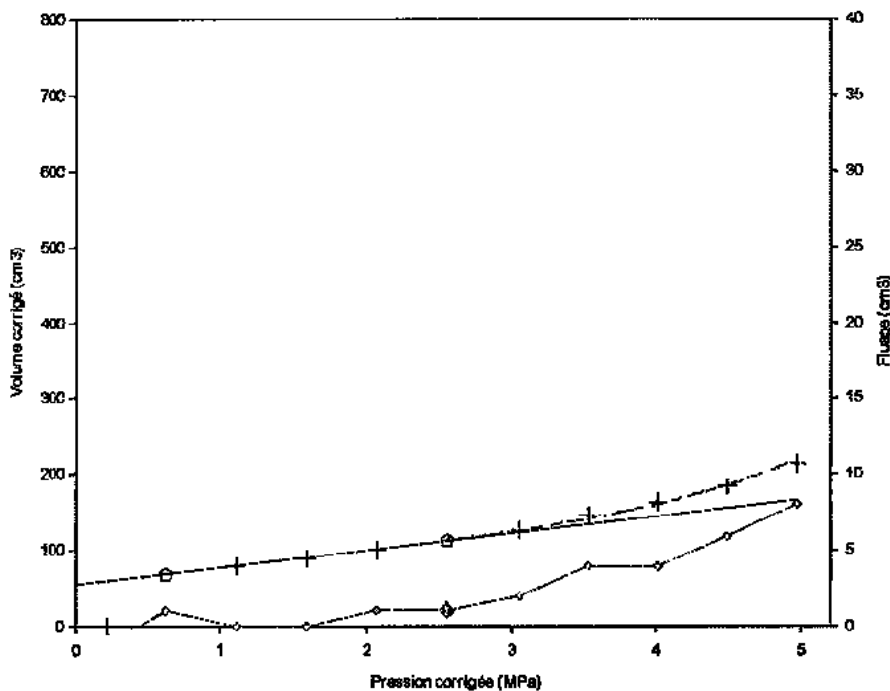
P1 = 6.26	Pmax = 4.95
P1(i) = 6.26	Pf = 2.56
P1(h) = 5.90	Po = 0.26
P1(rf) = 3.84	

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- : fluage ⊙ : Pf

Sondage: MPM2009-09

Profondeur : 21.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
a = 2.00 cm³/MPa

(valeurs en MPa)

E_M = 76.5

P1 = 6.78	Pmax = 4.98
P1(i) = 6.78	Pf = 2.56
P1(h) = 6.36	Po = 0.27
P1(rf) = 3.85	

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- : fluage ⊙ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

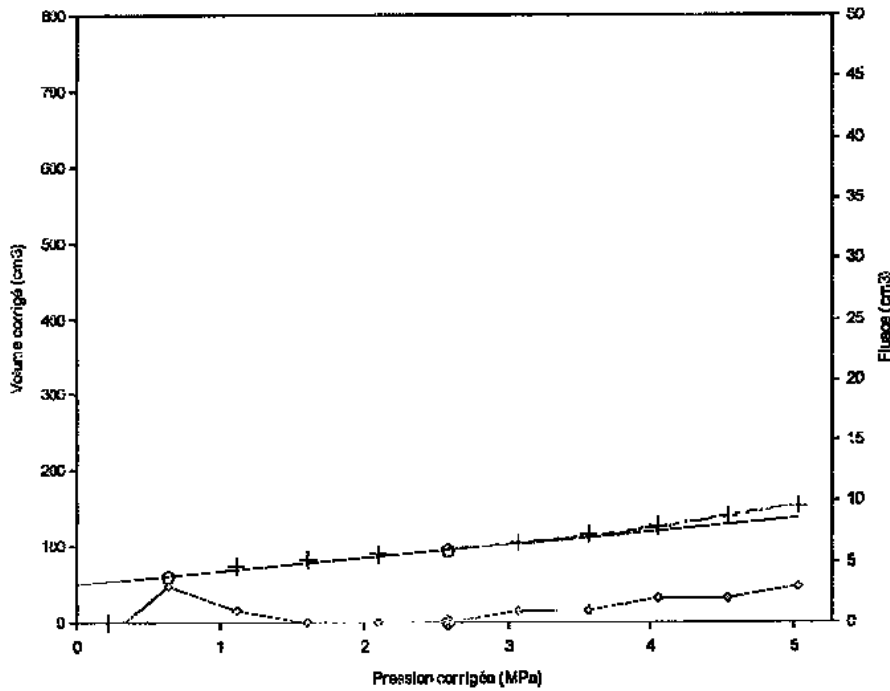
Programme: W-Pressio
Version : 1.1

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Fichier : P3
Dernière mise à jour:
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Sondage: MPM2009-09

Profondeur : 22.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. sol (t/m³): 2.8 (estimé)
Hauteur du pressiomètre: 1.50 m

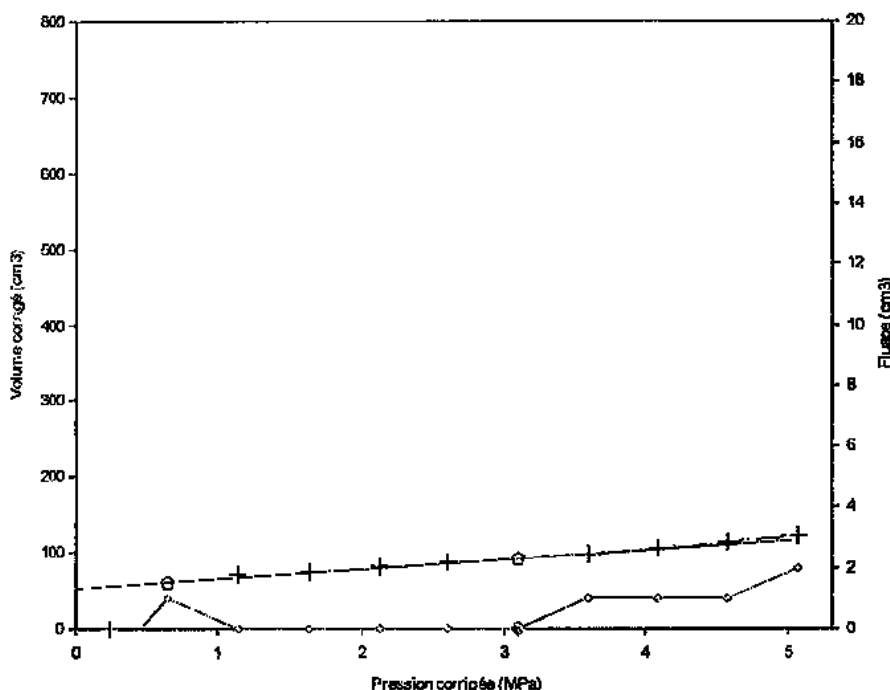
N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $\alpha = 2.00 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 97.7$
Pl = 8.18 | Pmax = 5.03
Pl(i) = 8.18 | Pf = 2.59
Pl(h) = 7.29 | Po = 0.29
Pl(pf) = 3.89

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
○ : fluage ◆ : pf

Sondage: MPM2009-09

Profondeur : 23.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $\alpha = 2.00 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 134.1$
Pl = 10.06 | Pmax = 5.07
Pl(i) = 10.06 | Pf = 3.11
Pl(h) = 7.95 | Po = 0.30
Pl(pf) = 4.66

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
○ : fluage ◆ : pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

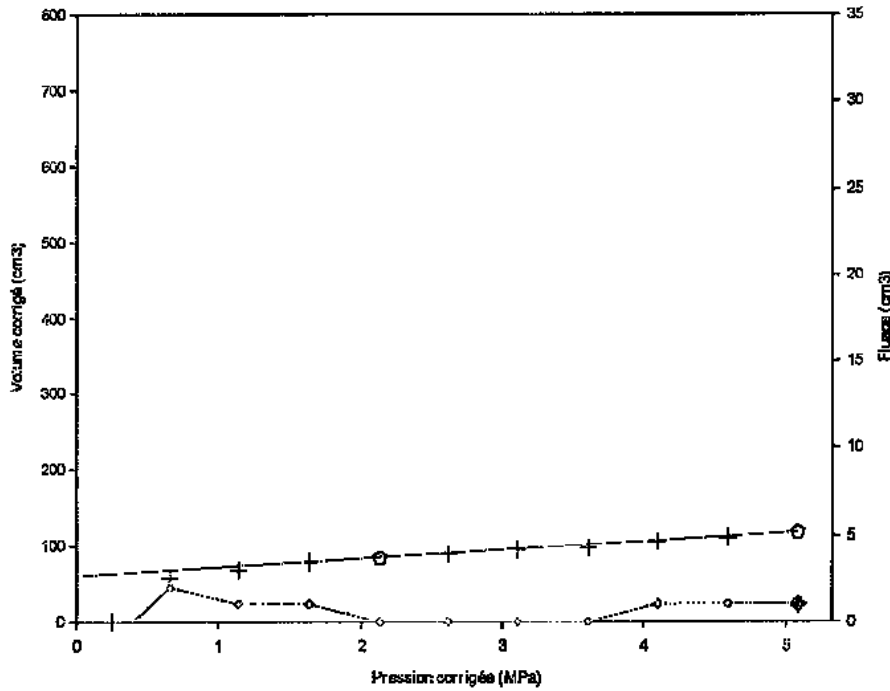
Programme: W-Pressio
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Fichier : P3
Dernière mise à jour:
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Sondage: MPM2009-09

Profondeur : 24.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

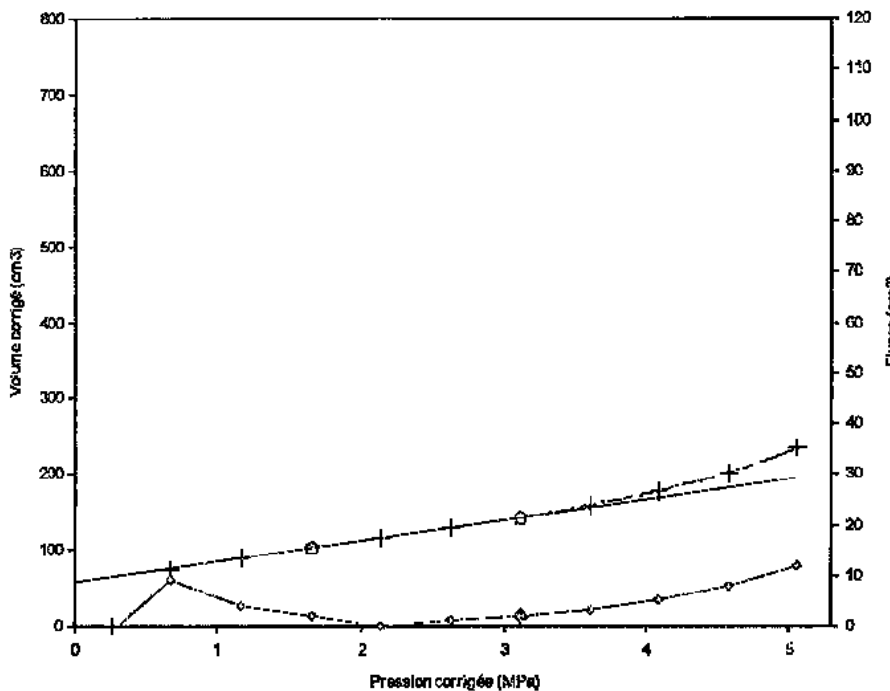
N° de l'inertie: 4
Sonde: TUBE FENDU
Gaine: Métallique lamelles
 $\alpha = 2.00 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_M = 152.9
Pl > 5.08 | Pmax = 5.08
Pf > 5.08
Po = 0.32
Pl (Pl) > 7.63

Légende:
--- : Pl(i) --- : Pl(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
o : fluage ◆ : Pf

Sondage: MPM2009-09

Profondeur : 25.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_M = 63.7
Pl = 7.20 | Pmax = 5.05
Pl (i) = 7.20 | Pf = 3.11
Pl (h) = 6.70 | Po = 0.33
Pl (re) = 4.67

Légende:
--- : Pl(i) --- : Pl(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
o : fluage ◆ : Pf

AFFAIRE N°: ML.100119

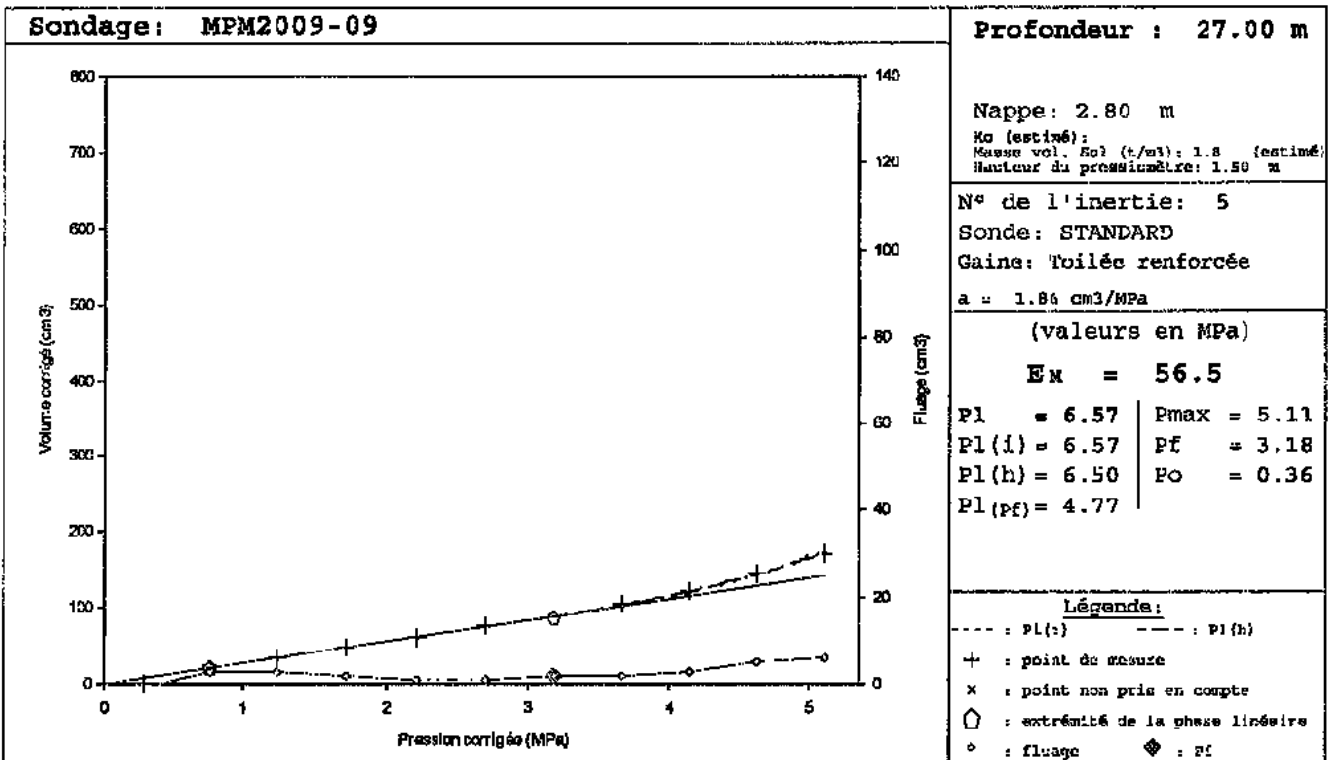
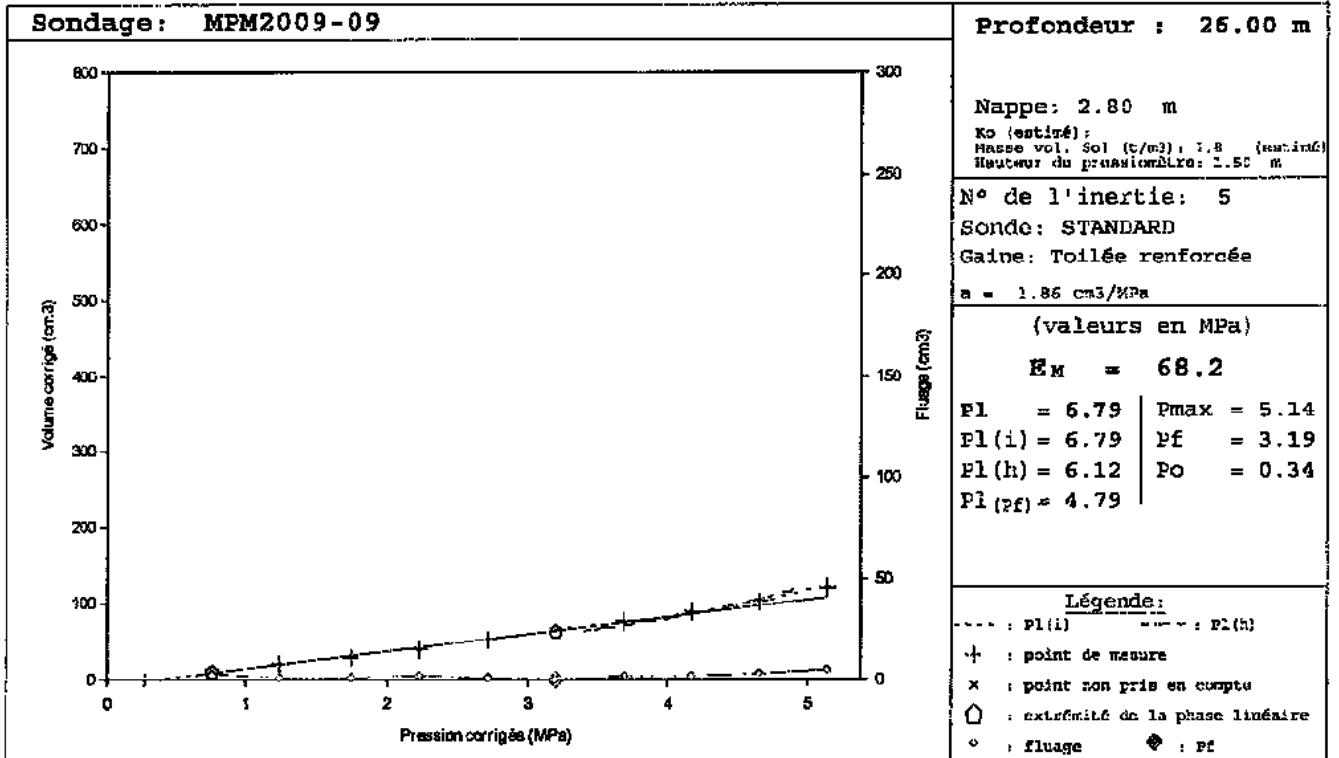
ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

Programme: W-Pressio
Version : 1.1

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

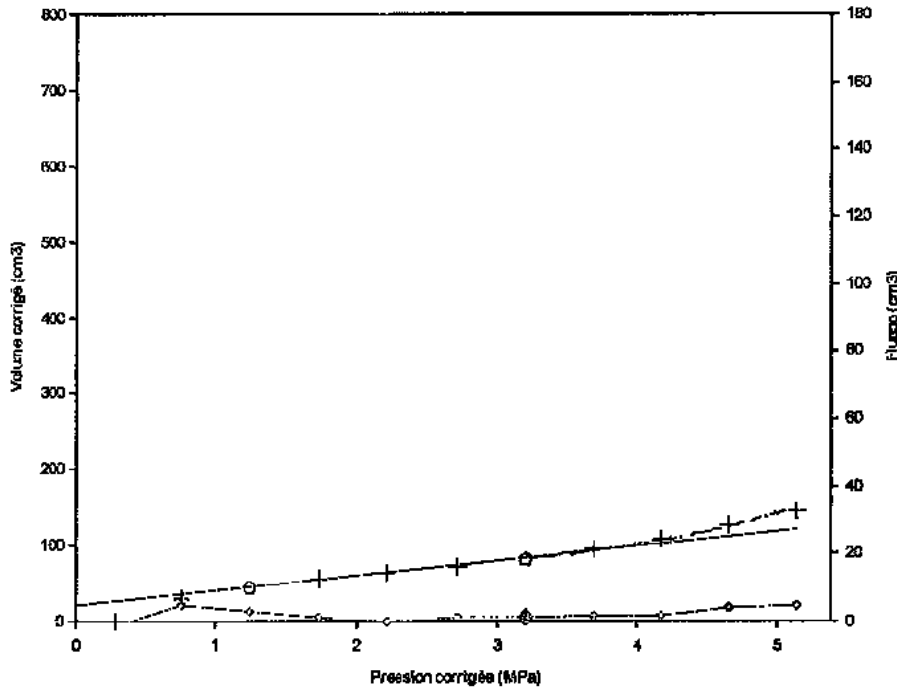
Programme: W-Pressio
Version : 1.1

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Fichier : P3
Dernière mise à jour:
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Sondage: MPM2009-09

Profondeur : 28.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

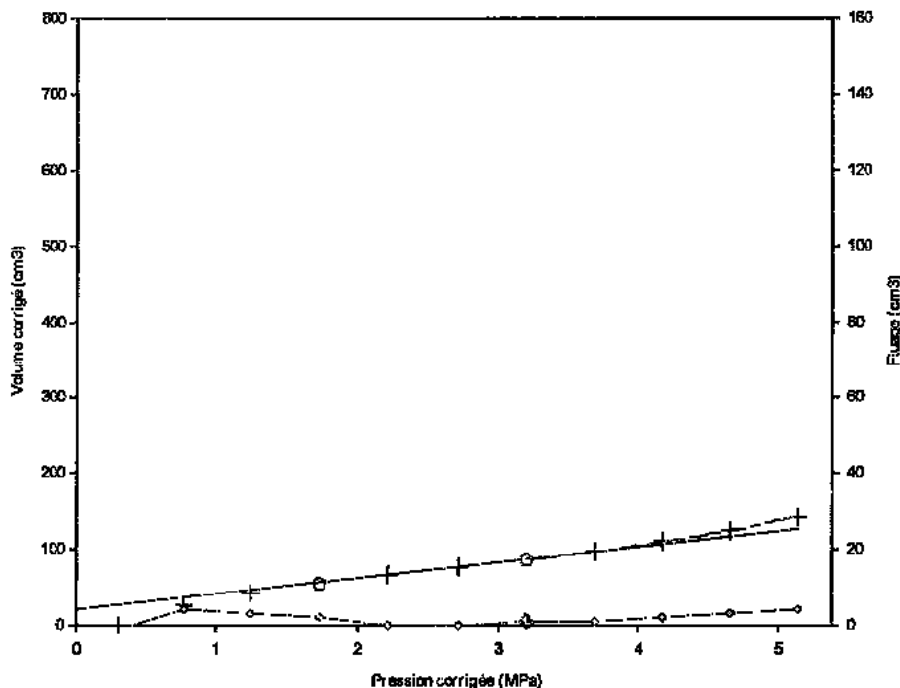
N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)
E_M = 81.4
Pl = 7.06 | P_{max} = 5.14
Pl(i) = 7.06 | P_f = 3.19
Pl(h) = 6.45 | P_o = 0.37
Pl(P_z) = 4.79

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

Sondage: MPM2009-09

Profondeur : 29.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)
E_M = 78.3
Pl = 7.47 | P_{max} = 5.15
Pl(i) = 7.47 | P_f = 3.20
Pl(h) = 7.37 | P_o = 0.38
P_z(P_f) = 4.80

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

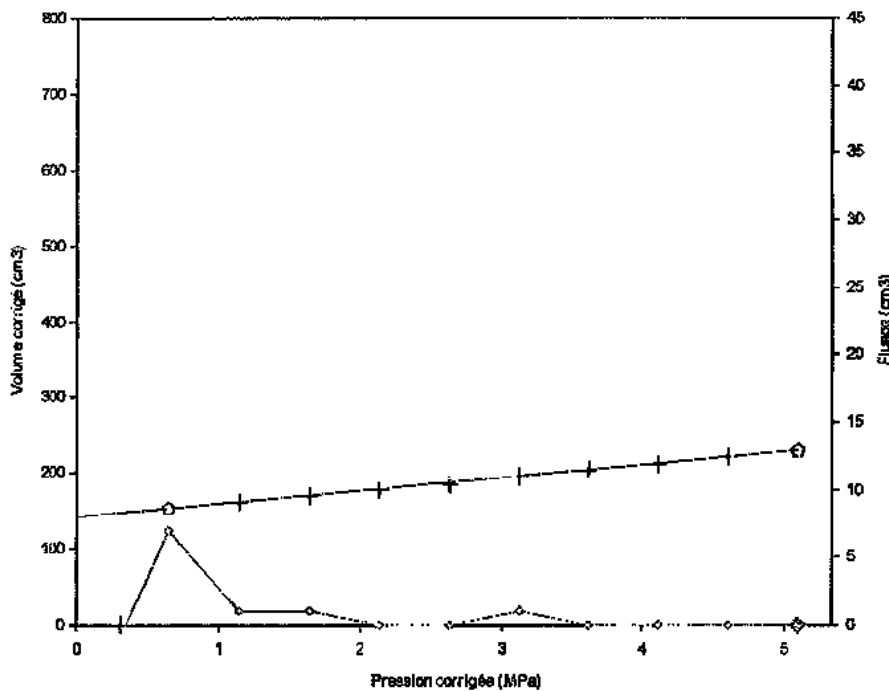
Programme: W-PRESSIO
Version : 1.1

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Fichier : P3
Dernière mise à jour:
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Sondage: MPM2009-09

Profondeur : 30.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 2.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

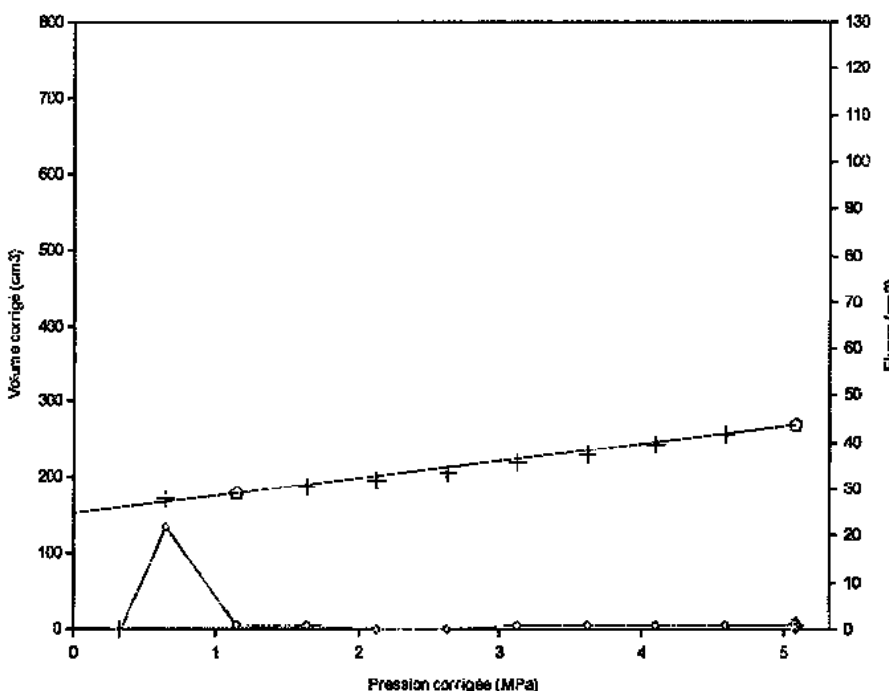
(valeurs en MPa)
E_M = 112.0
P_l > 5.10 | P_{max} = 5.10
P_f > 5.10
P₀ = 0.40
P_l(P_f) > 7.65

Suivant la norme
NFP 94-110-1

Légende:
- - - : P_l(i) - - - : P_l(n)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◊ : P_f

Sondage: MPM2009-09

Profondeur : 31.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)
E_M = 88.8
P_l > 5.09 | P_{max} = 5.09
P_f > 5.09
P₀ = 0.41
P_l(P_f) > 7.63

Légende:
- - - : P_l(i) - - - : P_l(n)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◊ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

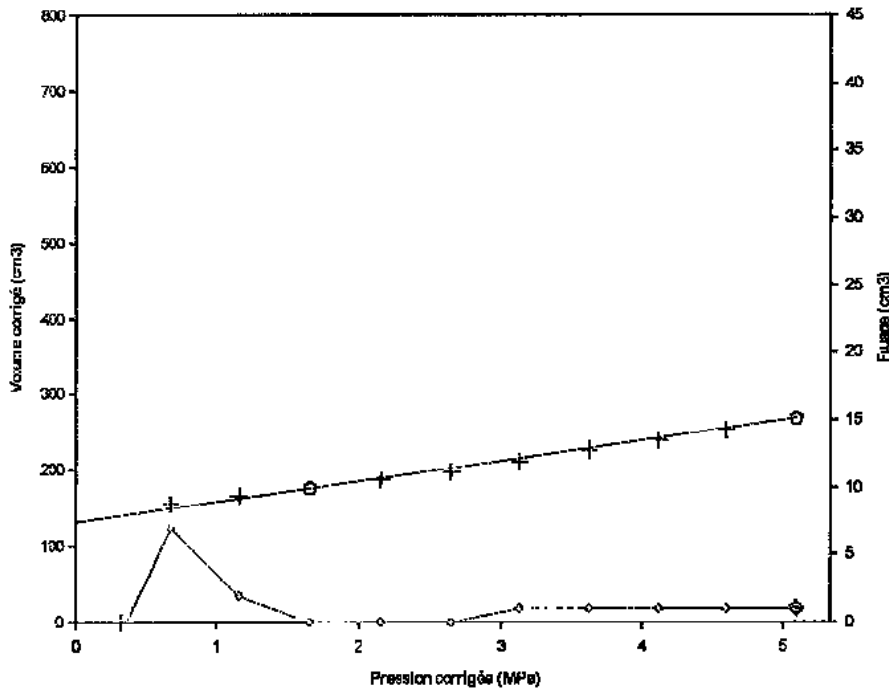
Programme: W-PRESSIO
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BP 765
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Fichier : P3
Dernière mise à jour:
01/09/2010 18:15:53

Sondage: MPM2009-09

Profondeur : 32.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

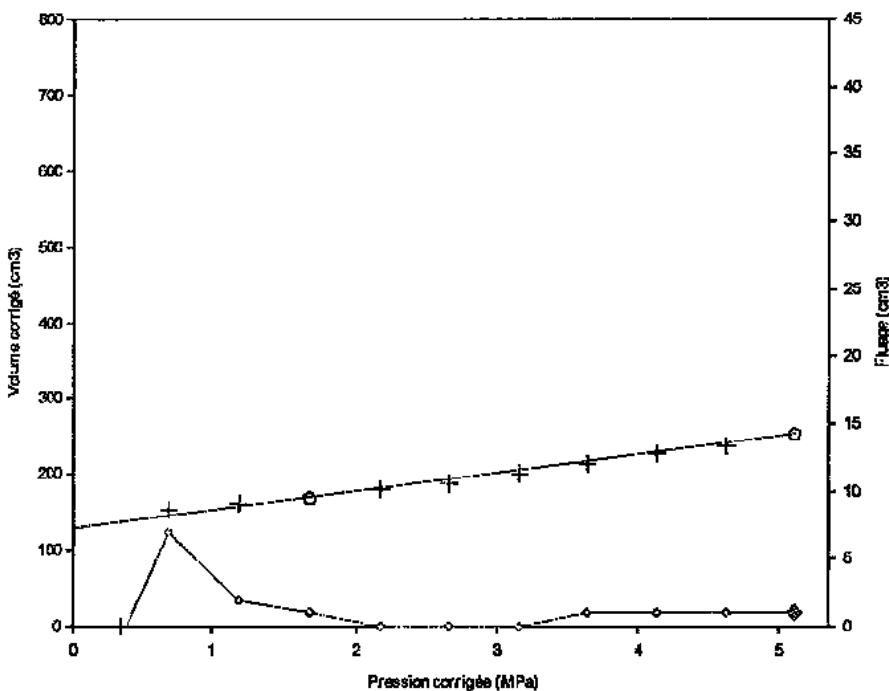
N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 74.1$
P_l > 5.10 | P_{max} = 5.10
P_f > 5.10 | P_o = 0.43
P_{l(st)} > 7.65

Légende:
--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ♦ : P_f

Sondage: MPM2009-09

Profondeur : 33.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 82.9$
P_l > 5.12 | P_{max} = 5.12
P_f > 5.12 | P_o = 0.44
P_{l(st)} > 7.67

Légende:
--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ♦ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

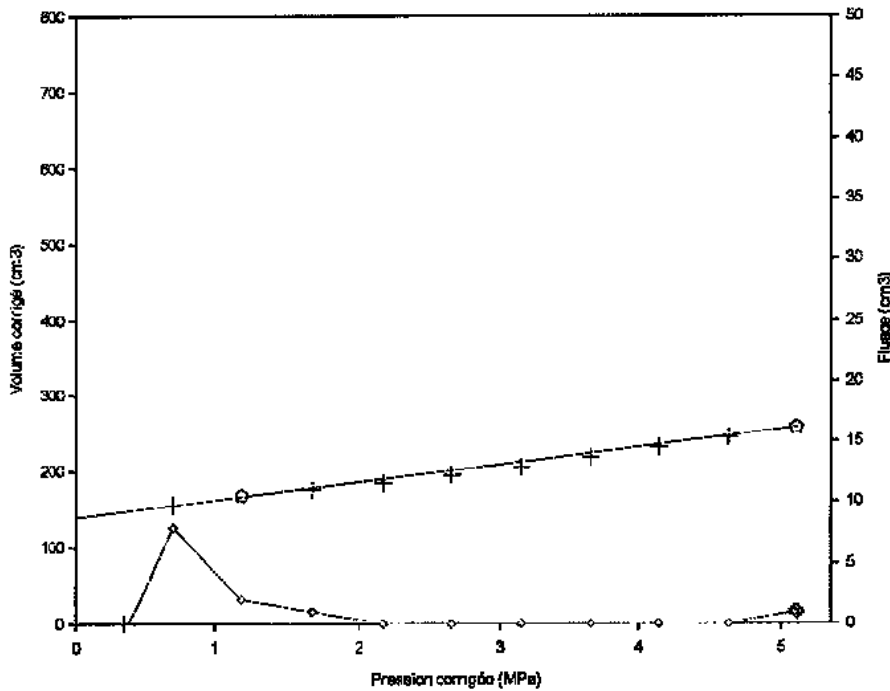
Programme: W-Pressio
Version : 1.1

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Fichier : P3
Dernière mise à jour:
01/09/2010 18:15:53

Sondage: MPM2009-09

Profondeur : 34.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

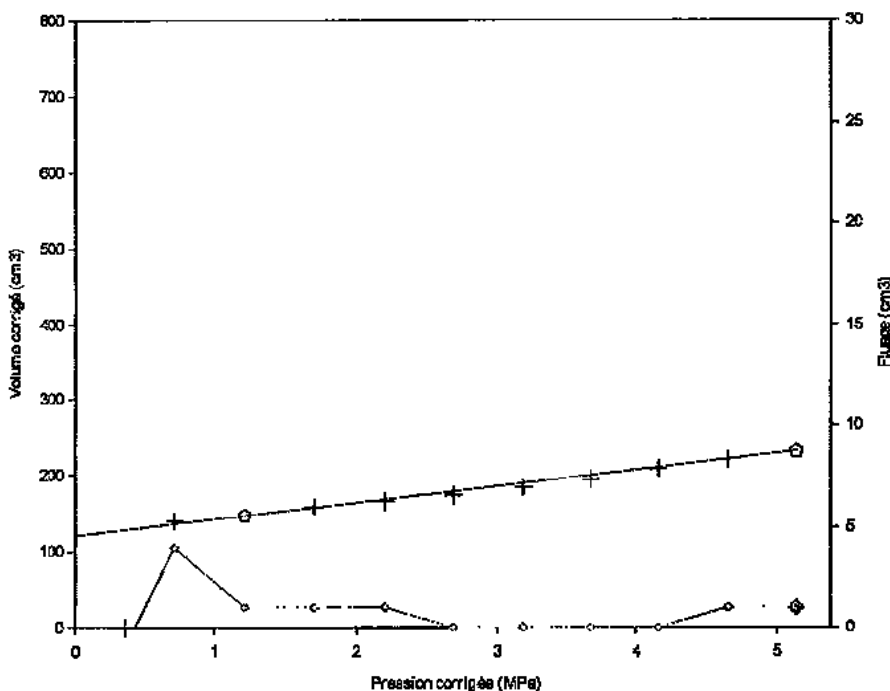
N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)
E_M = 85.7
P_l > 5.12 | P_{max} = 5.12
P_f > 5.12
P₀ = 0.45
P_l (pf) > 7.68

Légende:
--- : Fl (h) - - - : Fl (n)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
◊ : fluage ◆ : pf

Sondage: MPM2009-09

Profondeur : 35.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)
E_M = 89.8
P_l > 5.15 | P_{max} = 5.15
P_f > 5.15
P₀ = 0.47
P_l (pf) > 7.72

Légende:
--- : Fl (h) - - - : Fl (n)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
◊ : fluage ◆ : pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

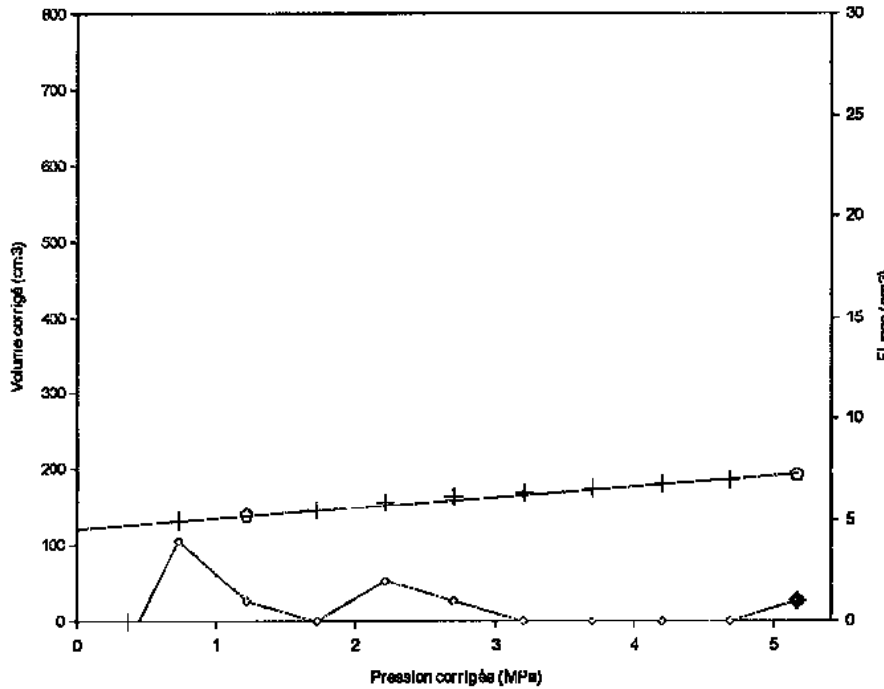
Programme: W-PRESSIO
Version : 1.1

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BP 765
61140 MONTFAVET

Fichier : P3
Dernière mise à jour:
01/09/2010 18:15:53

Sondage: MPM2009-09

Profondeur : 36.00 m



Nappe: 2.80 m
No (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 137.7$

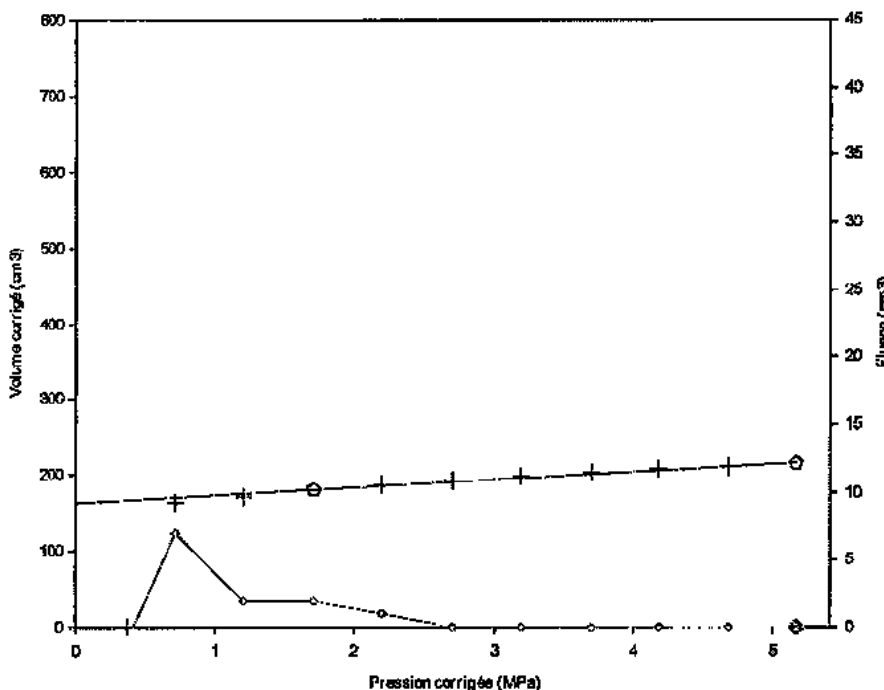
Pl > 5.18 | Pmax = 5.18
Pf > 5.18
Po = 0.48
Pl (Pf) > 7.77

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

Sondage: MPM2009-09

Profondeur : 37.00 m



Nappe: 2.80 m
No (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 185.8$

Pl > 5.18 | Pmax = 5.18
Pf > 5.18
Po = 0.49
Pl (Pf) > 7.76

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

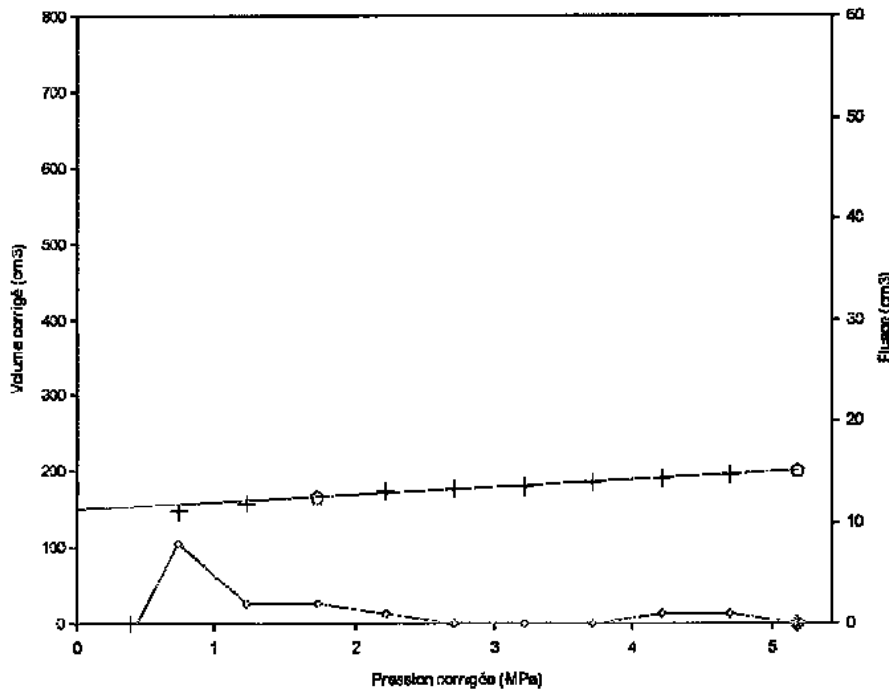
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P3
Dernière mise à jour:
01/09/2010 18:15:53

Sondage: MPM2009-09

Profondeur : 38.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

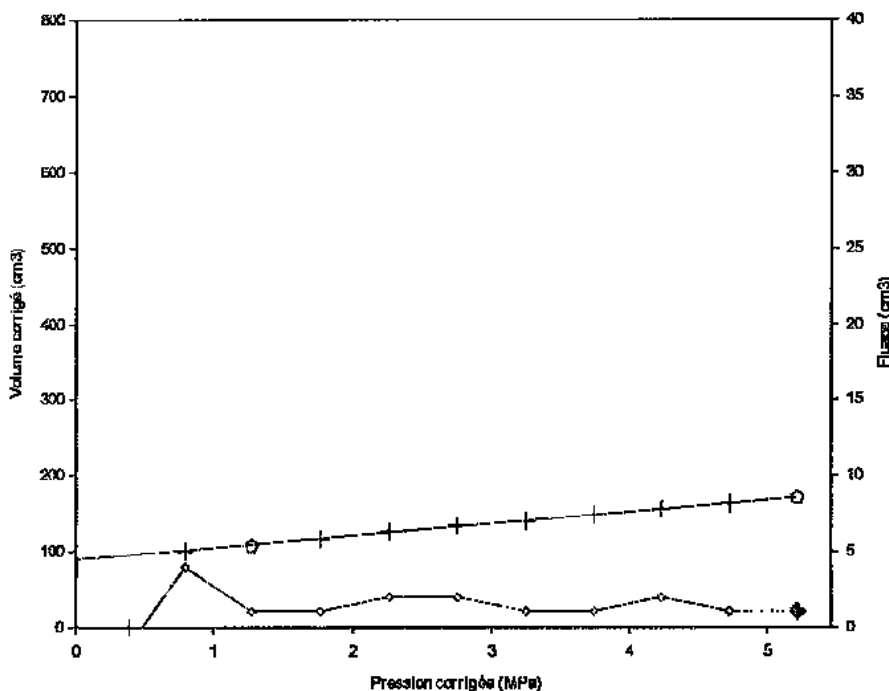
N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)
E_M = 198.2
P_l > 5.20 | P_{max} = 5.20
P_f > 5.20
P₀ = 0.51
P_l (EF) > 7.80

Légende:
--- : P_l(h) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◇ : extrémité de la phase linéaire
○ : fluage ◆ : P_f

Sondage: MPM2009-09

Profondeur : 39.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)
E_M = 111.5
P_l > 5.23 | P_{max} = 5.23
P_f > 5.23
P₀ = 0.52
P_l (PE) > 7.84

Légende:
--- : P_l(h) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◇ : extrémité de la phase linéaire
○ : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

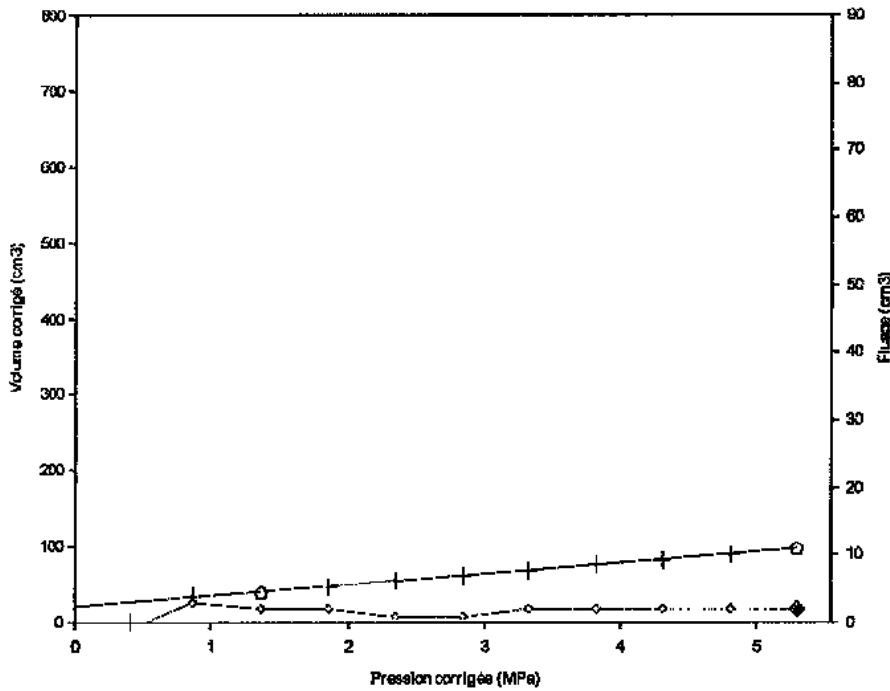
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Programme: W-PRESSIO
Version : 1.1

Fichier : P3
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Sondage: MPM2009-09

Profondeur : 40.00 m



Nappe: 2.80 m
E₀ (estimé):
Masse vol. Sol (t/m³): 1.6 (estimé)
Hauteur du pressiomètre: 1.50 m

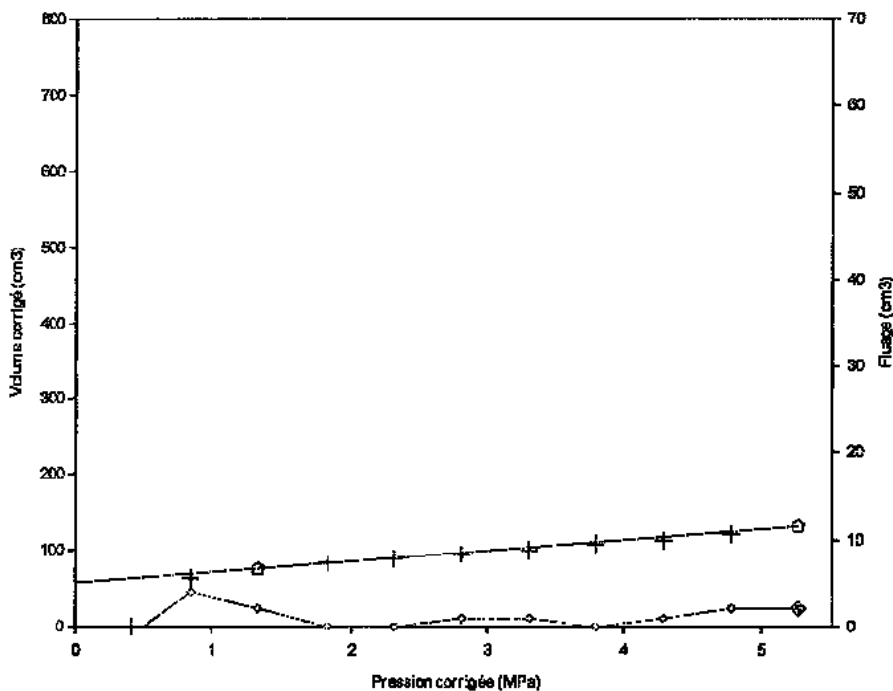
N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)
E_M = 111.7
Pl > 5.30 | P_{max} = 5.30
P_f > 5.30
P₀ = 0.54
Pl (P_f) > 7.94

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : Fluage ◆ : P_f

Sondage: MPM2009-09

Profondeur : 41.00 m



Nappe: 2.80 m
E₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)
E_M = 125.2
Pl > 5.28 | P_{max} = 5.28
P_f > 5.28
P₀ = 0.55
Pl (P_f) > 7.92

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : Fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

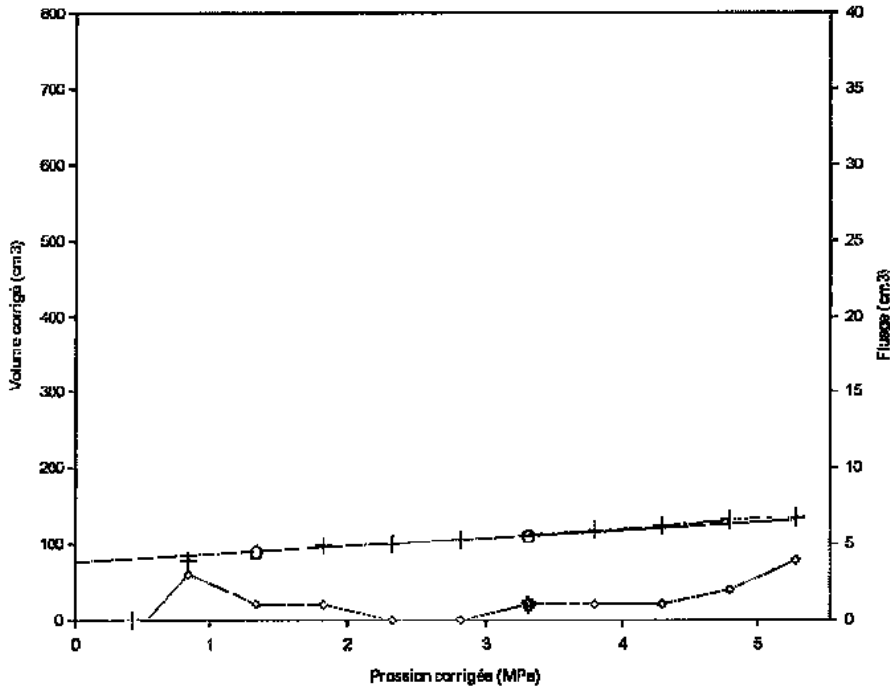
Affaire: Soil Mechanics Sizewell B, Leiston IP 16

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Programme: W-Pressio
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Fichier : P3
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Sondage: MPM2009-09



Profondeur : 42.00 m

Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)

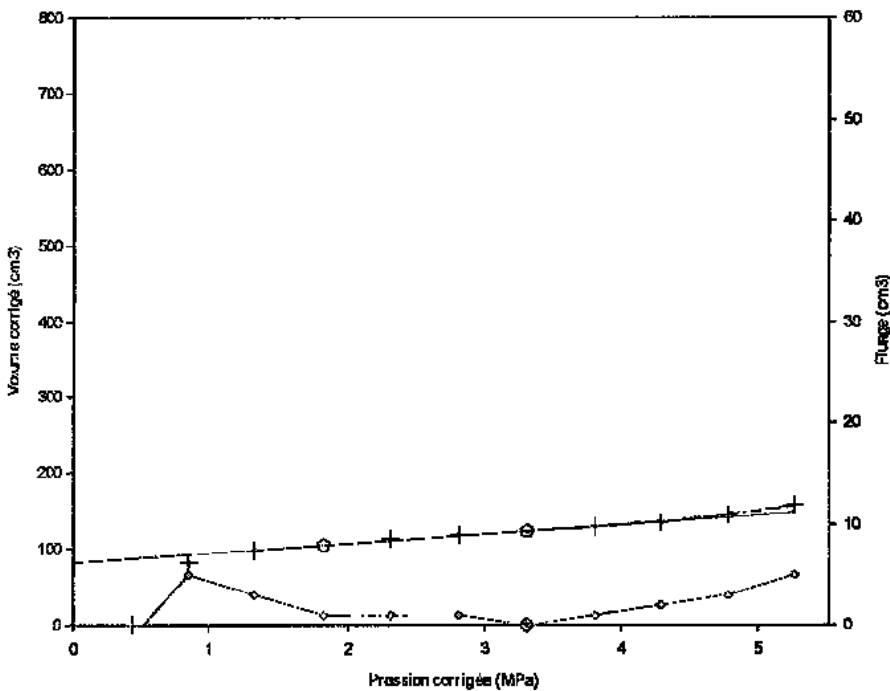
E_M = 157.1

P1 = 12.22	Pmax = 5.28
P1(i) = 12.22	Pf = 3.31
P1(h) = 9.15	Po = 0.56
P1(pf) = 4.96	

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage ♦ : Pf

Sondage: MPM2009-09



Profondeur : 43.00 m

Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)

E_M = 140.5

P1 = 10.82	Pmax = 5.27
P1(i) = 10.82	Pf = 3.31
P1(h) = 7.29	Po = 0.58
P1(pf) = 4.96	

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage ♦ : Pf

AFFAIRE N°: ML.100119

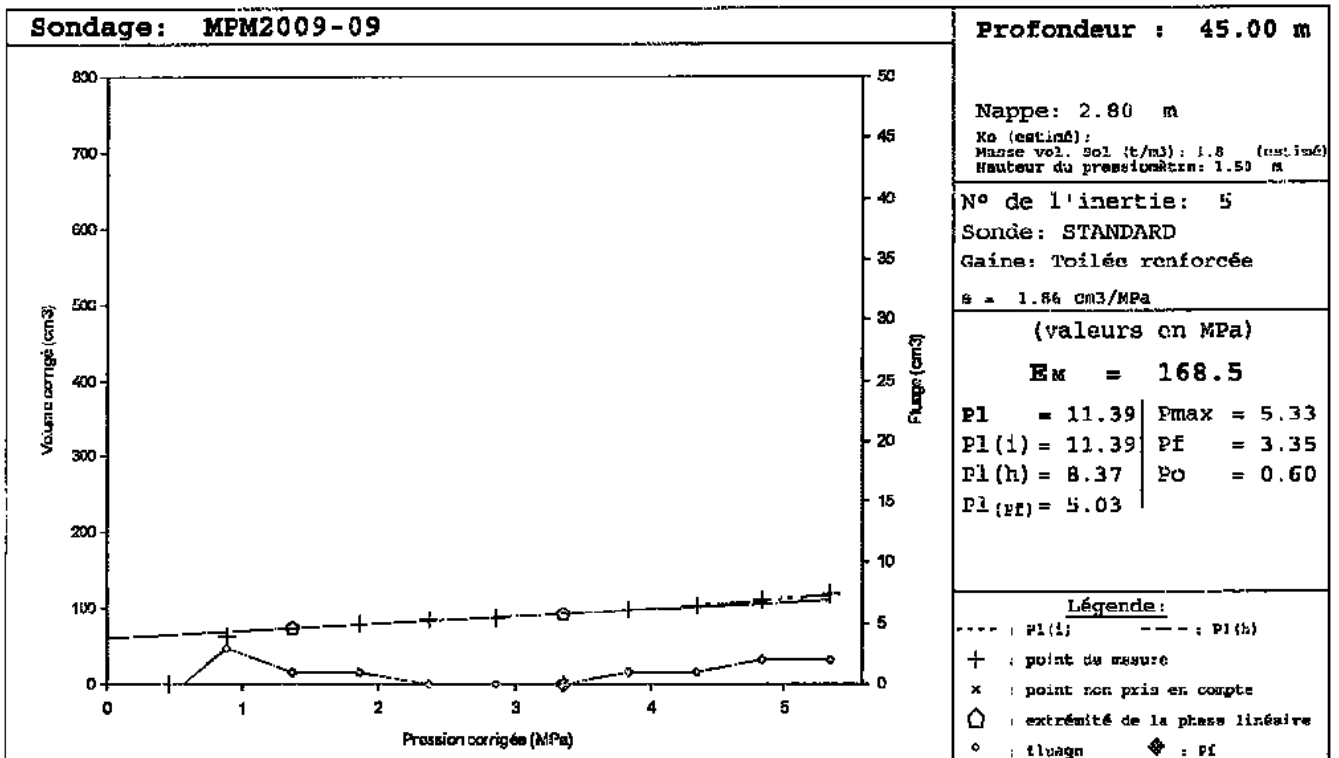
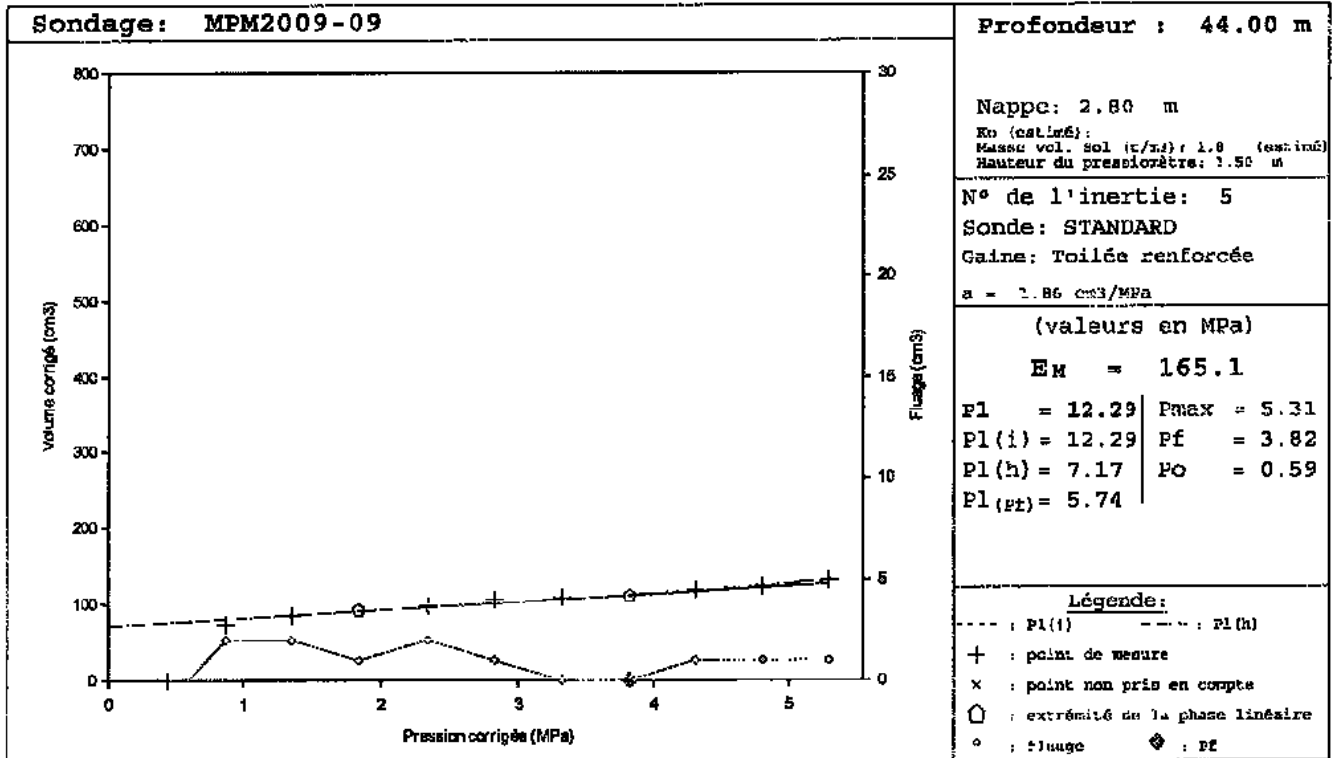
ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

Programme: W-Pressio
Version : 1.1

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

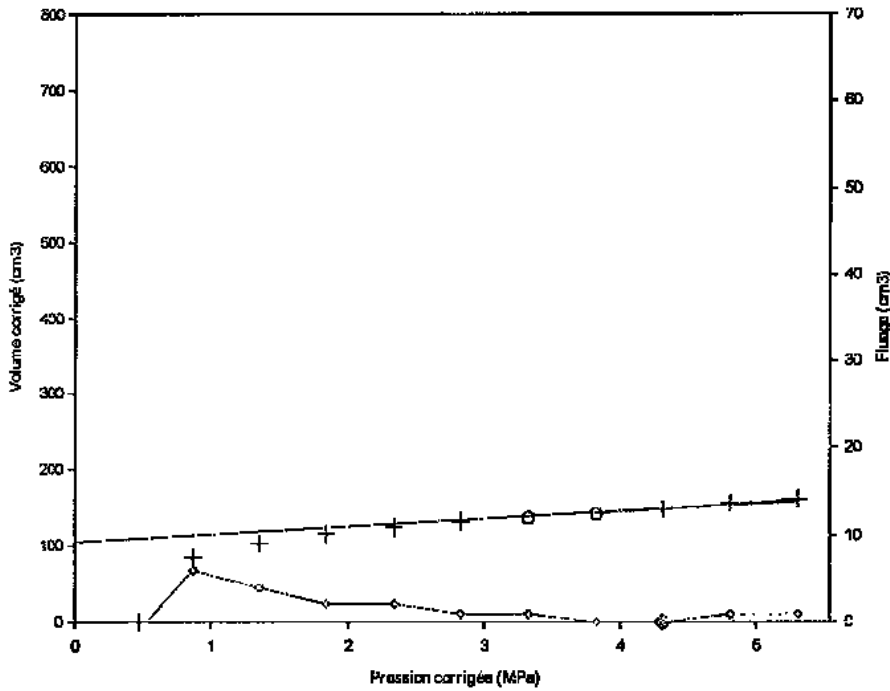
Programme: W-PRESSIO
Version : 1.1

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Sondage: MPM2009-09

Profondeur : 46.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.53 m

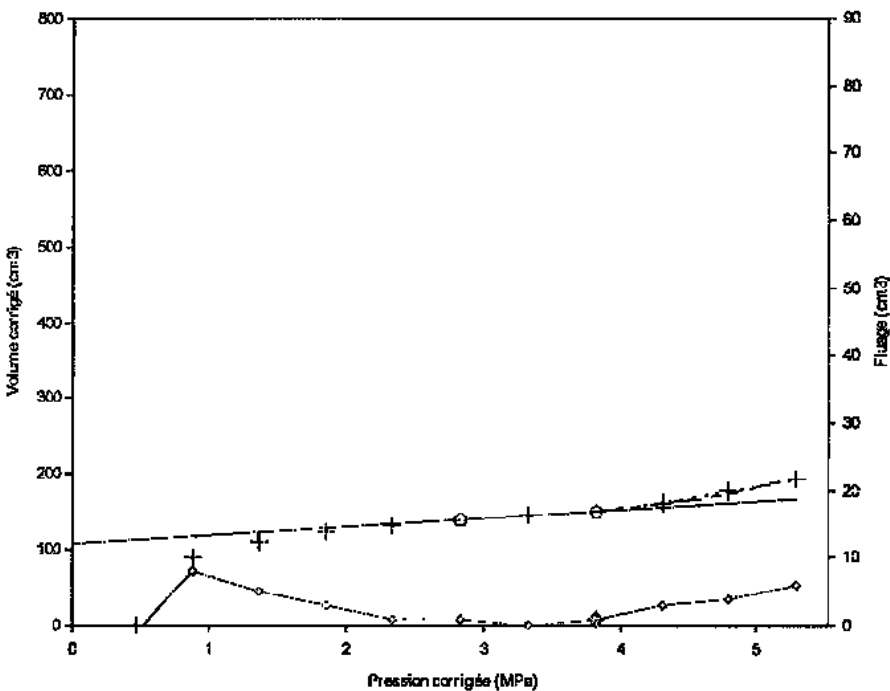
N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)
E_M = 175.6
P_l = 14.52 | P_{max} = 5.30
P_{l(i)} = 14.52 | P_f = 4.31
P_{l(h)} = 8.86 | P_o = 0.62
P_{l(pf)} = 6.47

Légende:
--- : P_{l(i)} - - - : P_{l(h)}
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ♦ : P_f

Sondage: MPM2009-09

Profondeur : 47.00 m



Nappe: 2.80 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.58 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)
E_M = 160.7
P_l = 9.20 | P_{max} = 5.29
P_{l(i)} = 9.20 | P_f = 3.82
P_{l(h)} = 6.42 | P_o = 0.63
P_{l(pf)} = 5.73

Légende:
--- : P_{l(i)} - - - : P_{l(h)}
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ♦ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: Soil Mechanics Sizewell B, Leiston IP 16

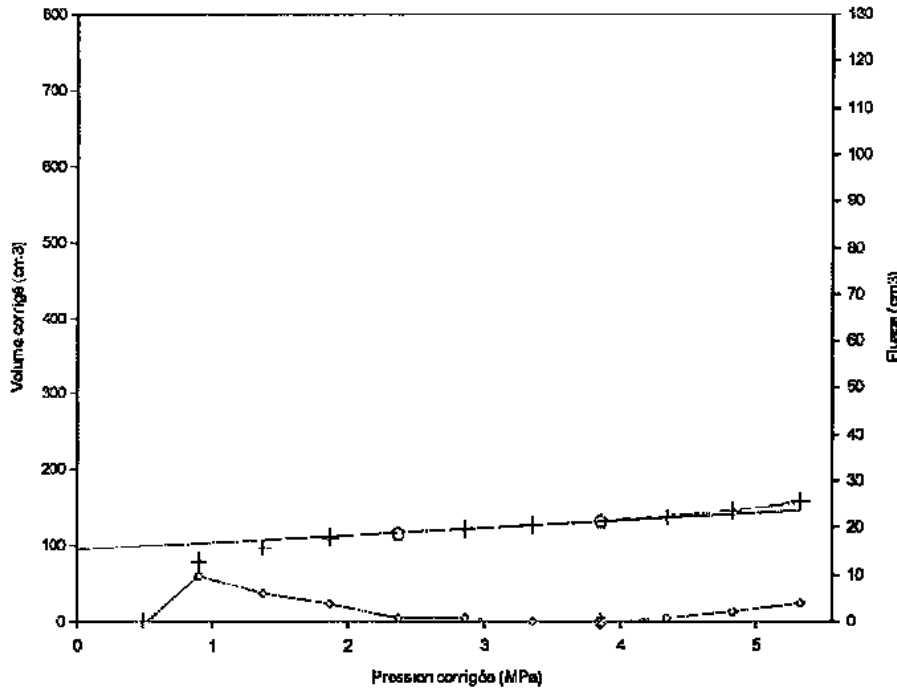
Programme: W-PRESSIO
Version : 1.1

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Fichier : F3
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Sondage: MPM2009-09

Profondeur : 48.00 m



Nappe: 2.80 m
Ro (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 2.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 183.3$

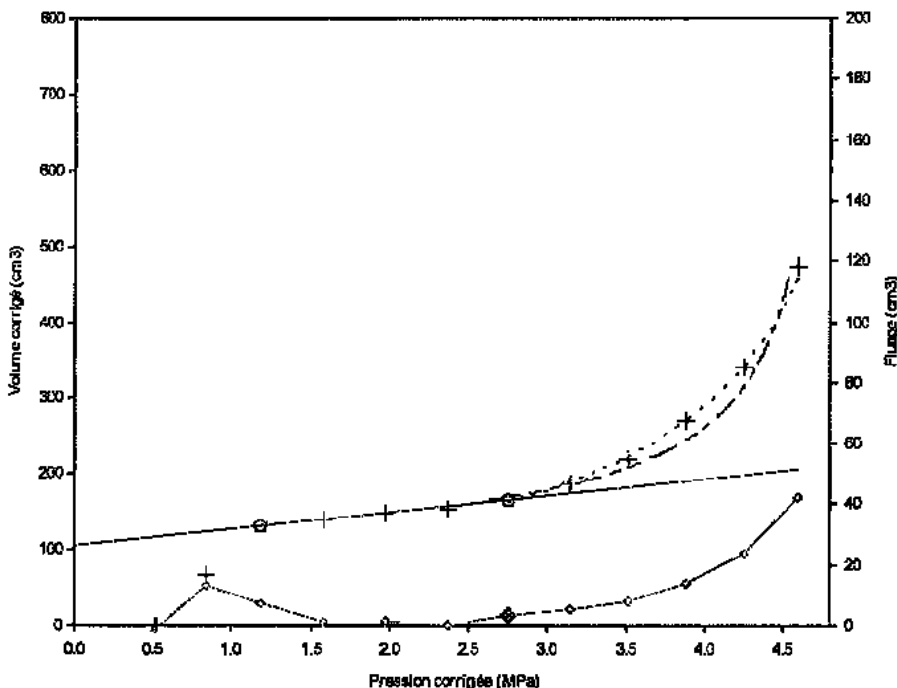
P1 = 11.33	Pmax = 5.32
P1(i) = 11.33	Pf = 3.85
P1(h) = 7.33	Po = 0.65
P1(Pf) = 5.77	

Légende:

--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ⊗ : Pf

Sondage: MPM2009-09

Profondeur : 51.50 m



Nappe: 2.80 m
Ro (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 84.0$

P1 = 5.05	Pmax = 4.60
P1(i) = 5.05	Pf = 2.76
P1(h) = 4.70	Po = 0.69
P1(Pf) = 4.13	

Légende:

--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ⊗ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

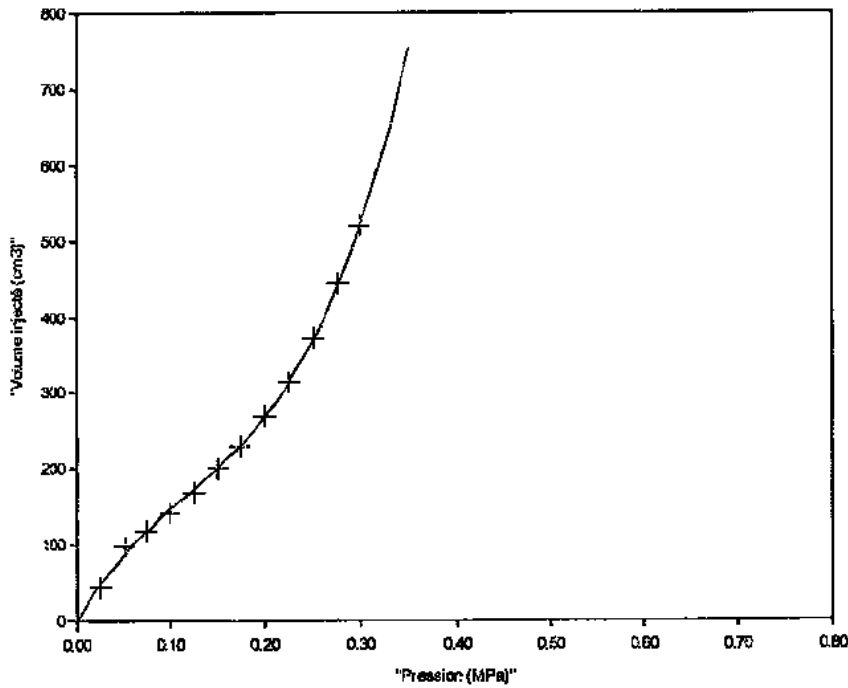
Affaire: Soil Mechanics Sizewell B, Leiston IP 16

Programme: W-Pressio
Version : 1.1

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Fichier : F3
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ETALONNAGE N° 3



Type sonde :
STANDARD

Gaine:
Toilée renforcée

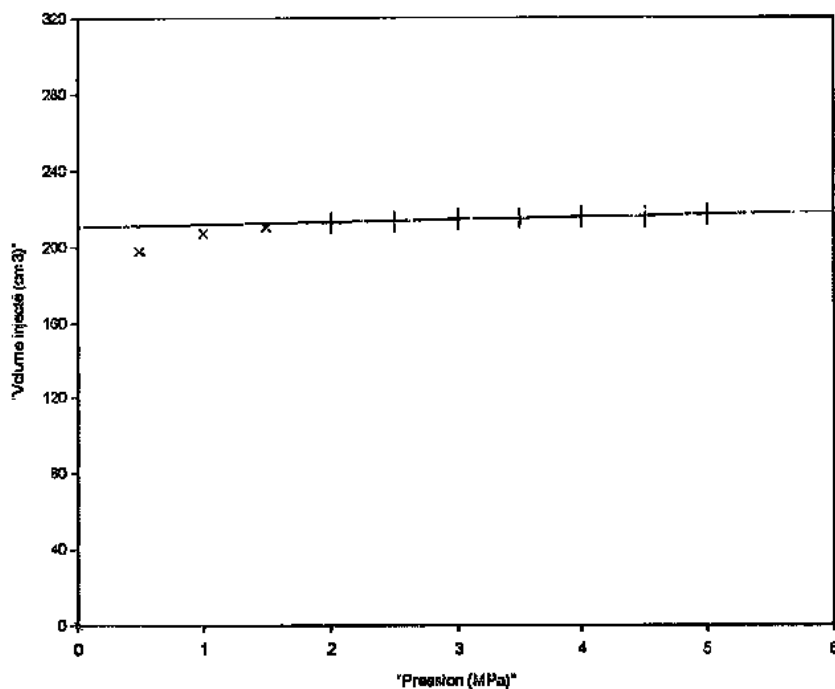
Vs = 535 cm3

Conforme à la norme
NFP 94-110-1

Légende:

· : point de mesure
x : point non pris en compte

CALIBRAGE N° 3



Type sonde :
STANDARD

Gaine:
Toilée renforcée

Vs = 535 cm3

Coef. de compressibilité:
a = 1.21 cm3/MPa

Conforme à la norme
NFP 94-110-1

Légende:

· : point de mesure
x : point non pris en compte

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

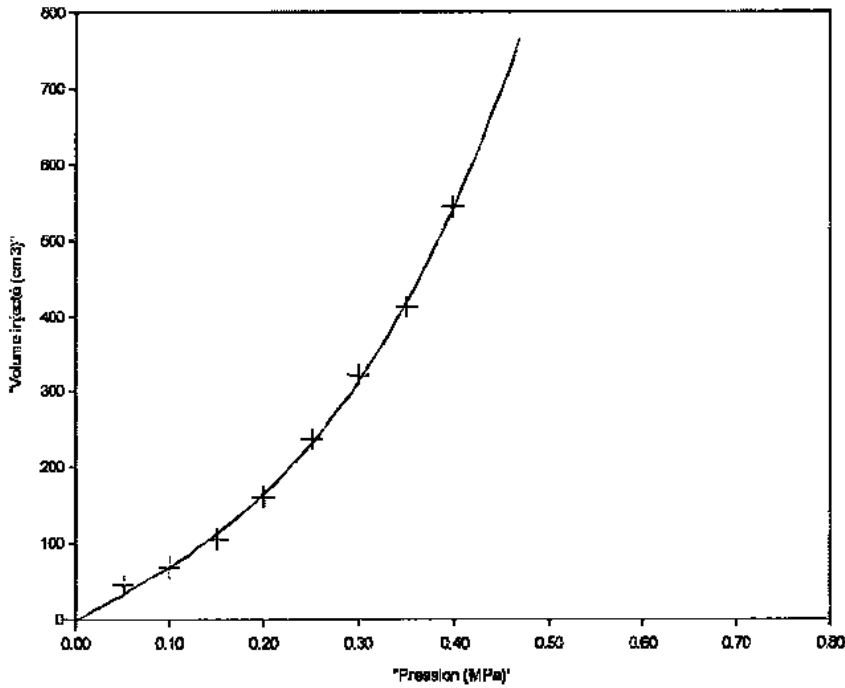
Affaire: Soil Mechanics Sizewell B, Leiston IP 16

Programme: W-Pressio
Version : 1.1

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84240 MONTFAVET

Fichier : P3
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ETALONNAGE N° 4



Type sonde :
TUBE FENDU

Gaine:
Métallique lamelles

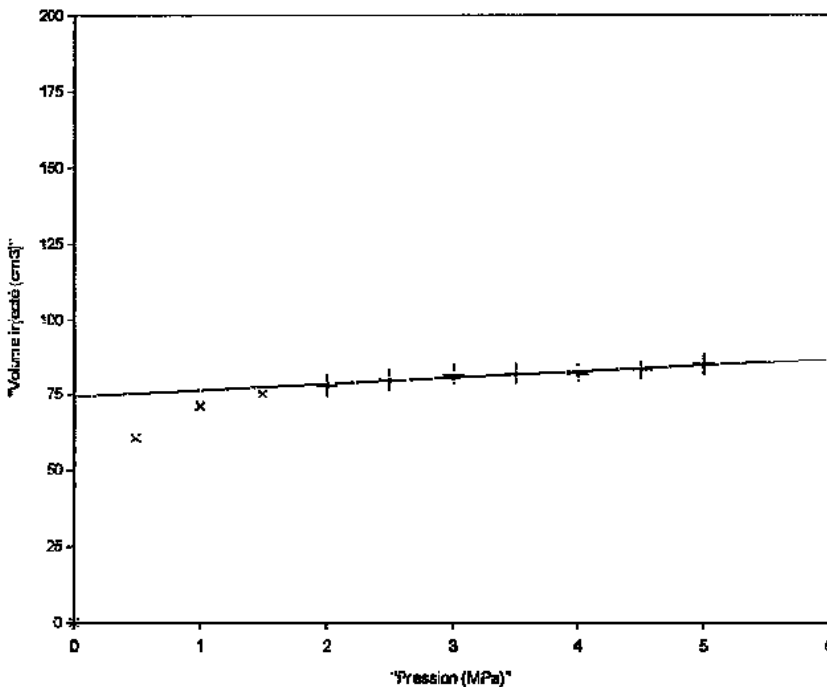
Vs = 560 cm³

Conforme à la norme
NFP 94-110-1

Légende:

• : point de mesure
x : point non pris en compte

CALIBRAGE N° 4



Type sonde :
TUBE FENDU

Gaine:
Métallique lamelles

Vs = 560 cm³

Coef. de compressibilité:
a = 2.00 cm³/MPa

Conforme à la norme
NFP 94-110-1

Légende:

• : point de mesure
x : point non pris en compte

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

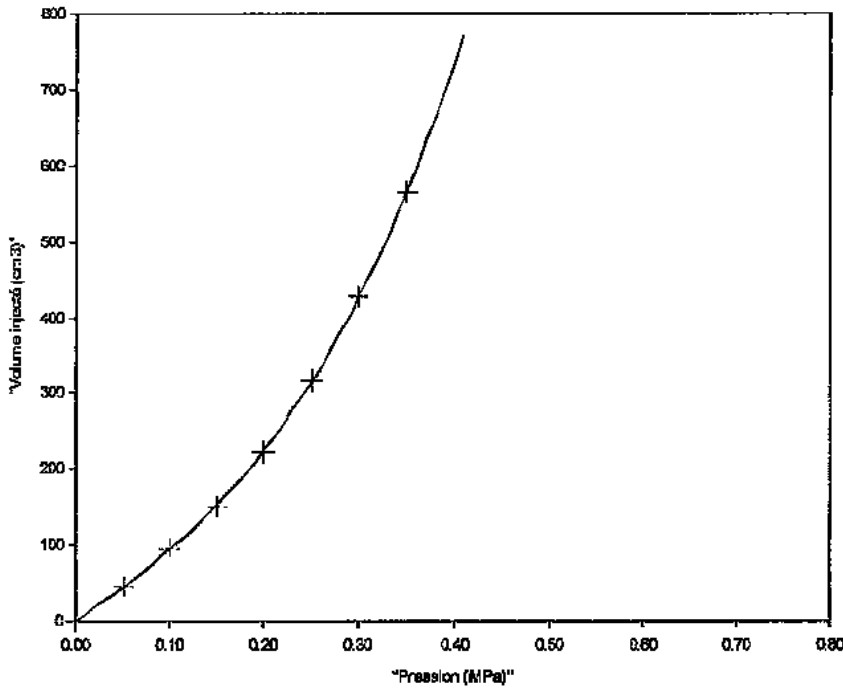
Affaire: Soil Mechanics Sizewell B, Leiston IP 16

Programme: W-Pressio
Version : 1.1

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Fichier : F3
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ETALONNAGE N° 5



Type sonde :
STANDARD

Gaine:
Toilée renforcée

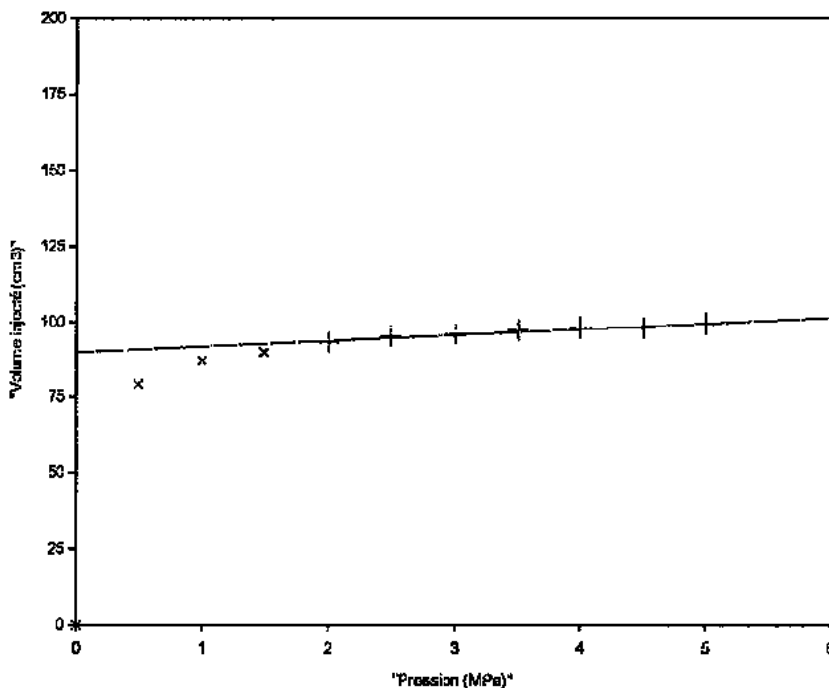
Vs = 535 cm³

Conforme à la norme
NFP 94-110-1

Légende:

* : point de mesure
x : point non pris en compte

CALIBRAGE N° 5



Type sonde :
STANDARD

Gaine:
Toilée renforcée

Vs = 535 cm³

Coef. de compressibilité:
a = 1.86 cm³/MPa

Conforme à la norme
NFP 94-110-1

Légende:

* : point de mesure
x : point non pris en compte

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

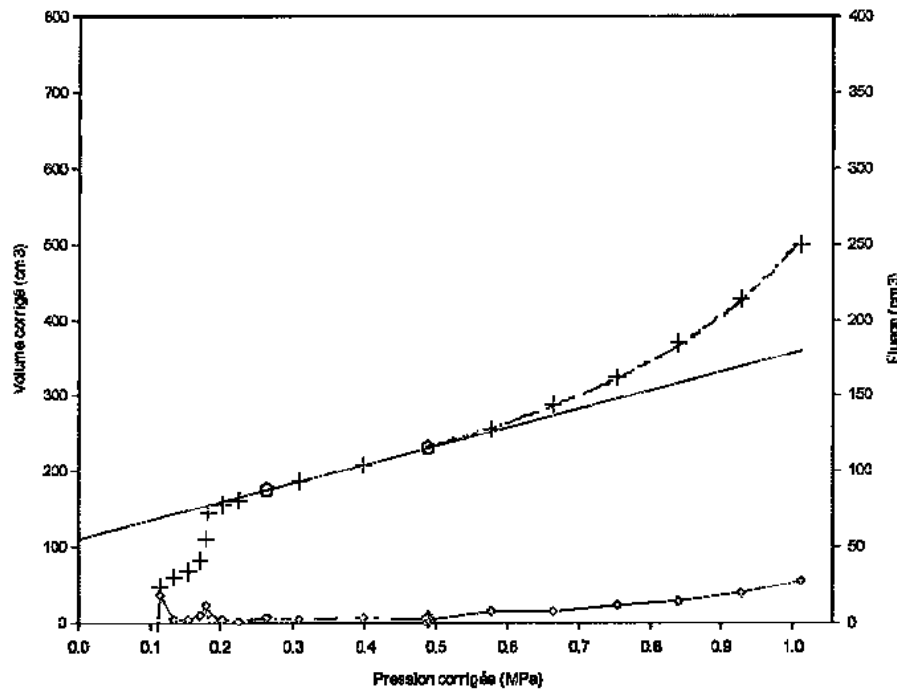
Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-Pressio
Version : 1.1

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Fichier : F9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM2009-10



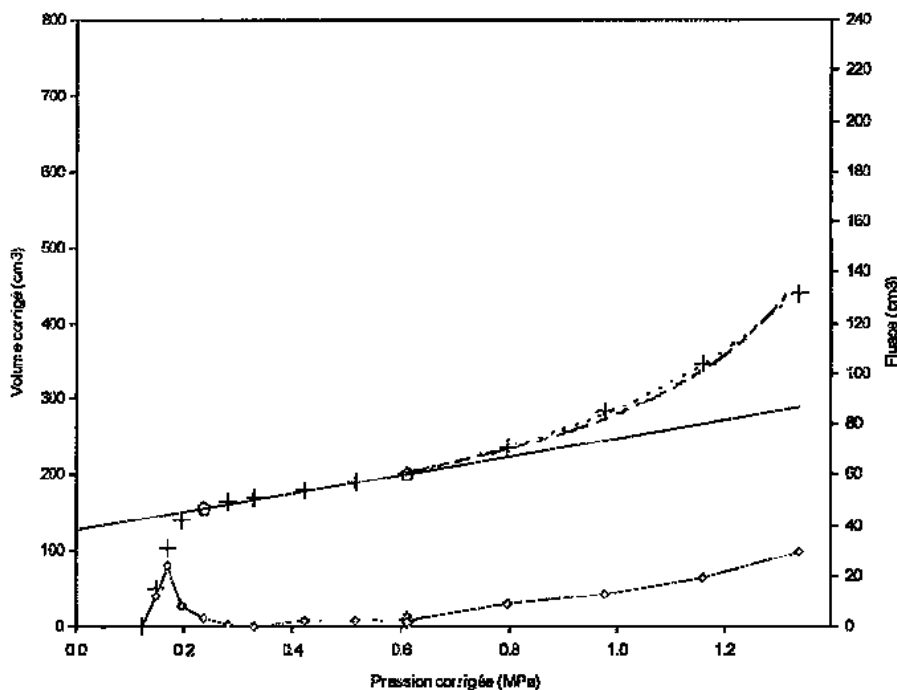
Profondeur : 10.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: 1,5 mm
a = 1.37 cm³/MPa

(valeurs en MPa)
E_M = 8.0
Fl = 1.21 | Pmax = 1.01
Fl(i) = 1.21 | Pf = 0.49
Fl(h) = 1.17 | Po = 0.13
Fl(EF) = 0.73

Légende:
--- : Fl(i) - - - : Pf(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
o : fluage ◊ : Pf

Sondage: MPM2009-10



Profondeur : 11.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: 1,5 mm
a = 1.37 cm³/MPa

(valeurs en MPa)
E_M = 15.7
Fl = 1.65 | Pmax = 1.33
Fl(i) = 1.65 | Pf = 0.61
Fl(h) = 1.49 | Po = 0.15
Fl(EF) = 0.92

Légende:
--- : Fl(i) - - - : Fl(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
o : fluage ◊ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

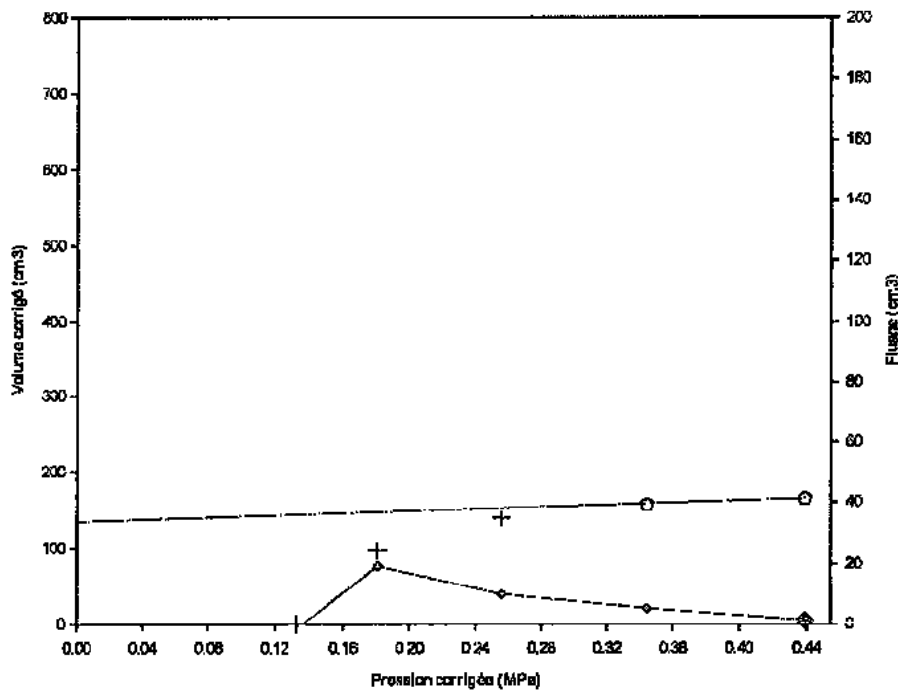
Affaire: SIZEWELL B - GROUND INVESTIGATION

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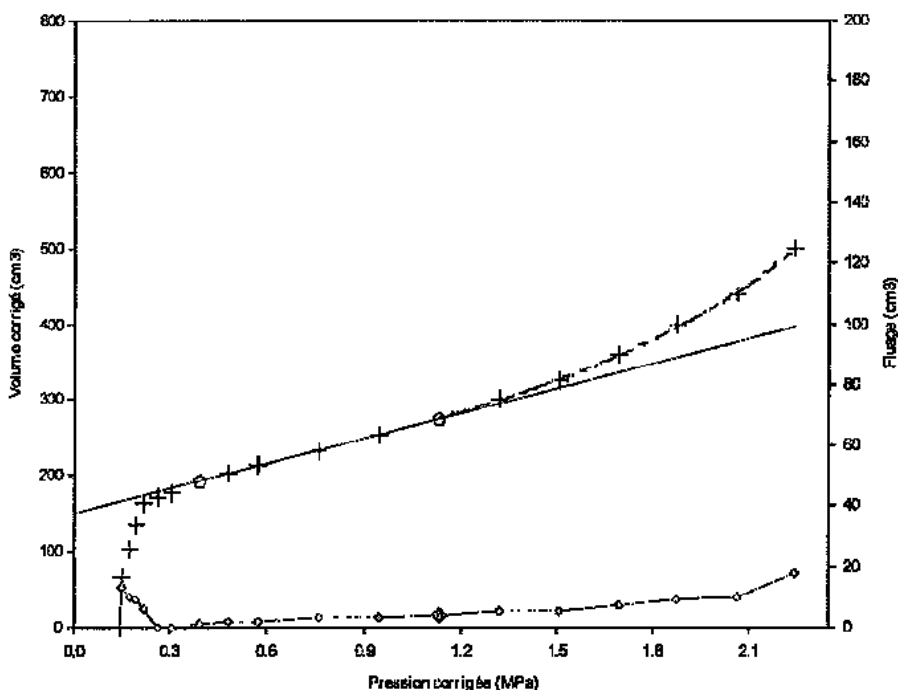
Profondeur : 12.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: 1,5 mm
 $\alpha = 1.37 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 25.9$
Pl > 0.44 | Pmax = 0.44
Pf > 0.44
Po = 0.16
Pl (PF) > 0.66

Légende:
--- : Pl(i) --- : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◊ : Pf

Sondage: MPM2009-10



Profondeur : 13.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 18.7$
Pl = 2.89 | Pmax = 2.24
Pl (i) = 2.89 | Pf = 1.13
Pl (h) = 2.83 | Po = 0.17
Pl (PF) = 1.70

Légende:
--- : Pl(i) --- : Pl(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◊ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

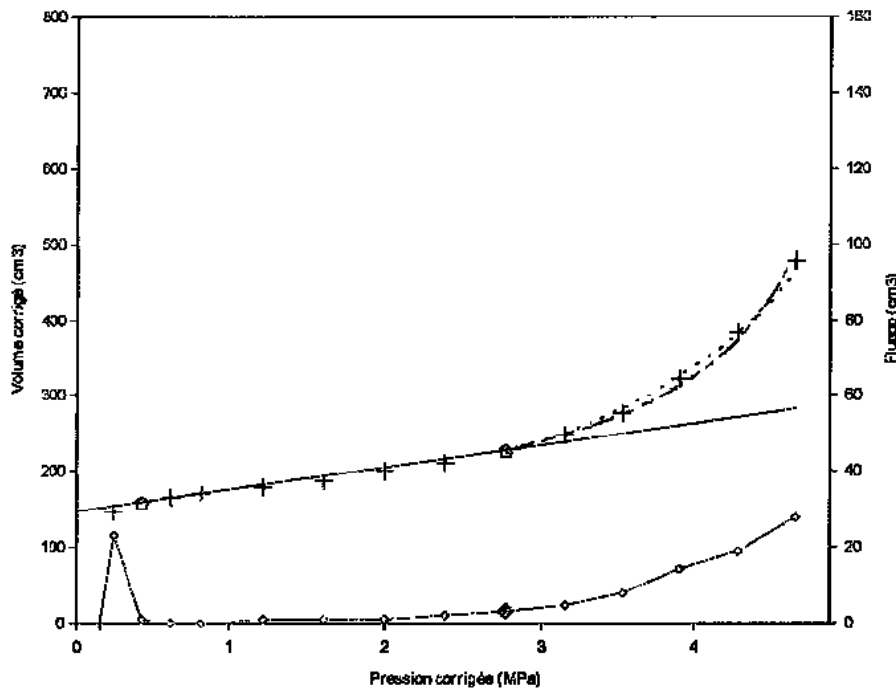
Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-Pressio
Version : 1.1

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Fichier : P9
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Sondage: MPM2009-10



Profondeur : 14.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 2.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

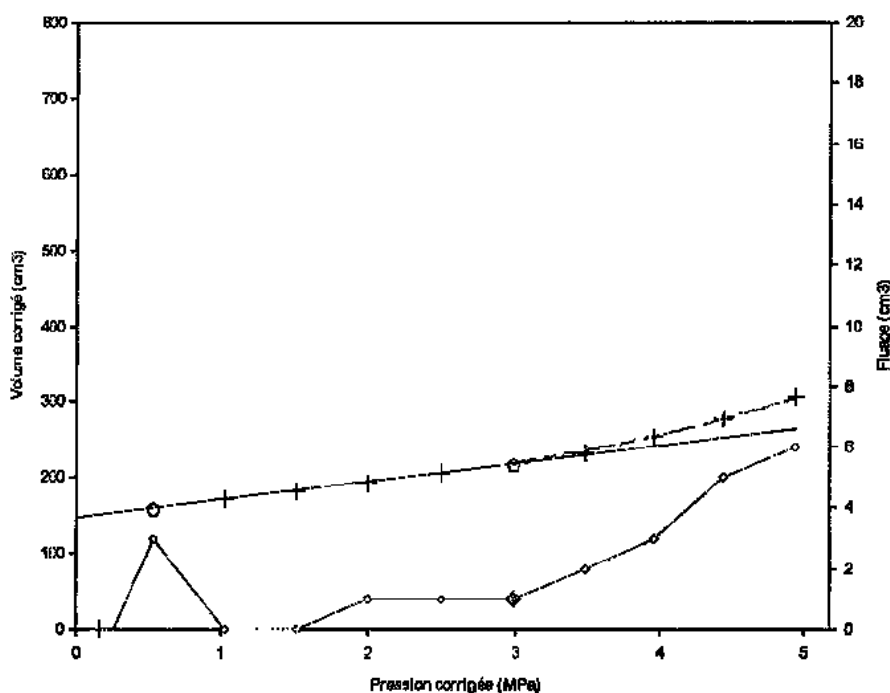
$E_M = 66.7$

Pl = 5.51	Pmax = 4.66
Pl(1) = 5.51	Pf = 2.77
Pl(h) = 4.99	Po = 0.19
Pl(2f) = 4.16	

Légende:

--- : Pl(1) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
□ : extrémité de la phase linéaire
○ : fluage ◆ : Pf

Sondage: MPM2009-10



Profondeur : 15.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 2.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 81.3$

Pl = 7.99	Pmax = 4.93
Pl(1) = 7.99	Pf = 2.99
Pl(h) = 7.30	Po = 0.20
Pl(2f) = 4.48	

Légende:

--- : Pl(1) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
□ : extrémité de la phase linéaire
○ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

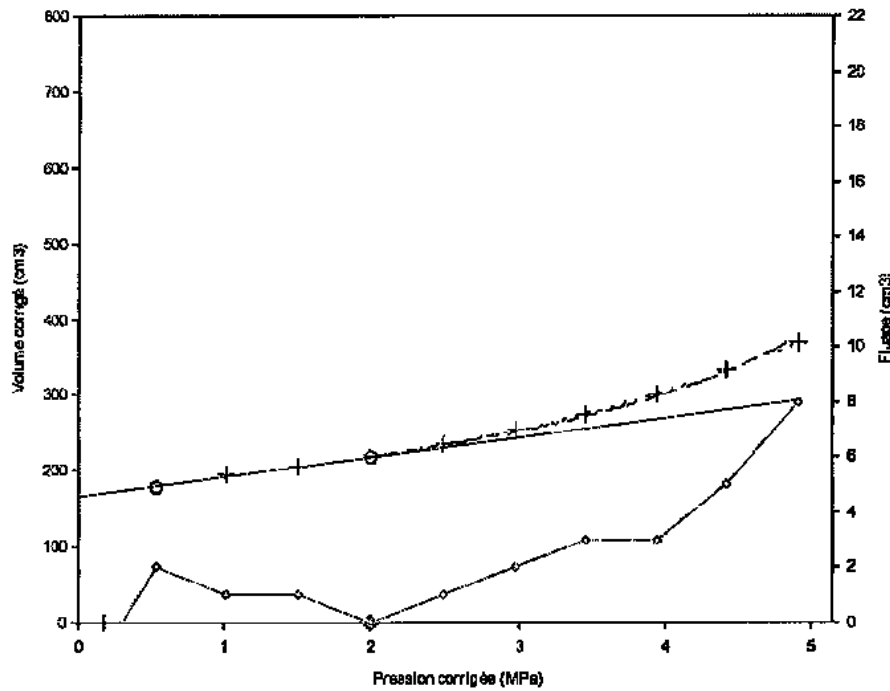
Affaire: SIZEWELL B - GROUND INVESTIGATION

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Sondage: MPM2009-10



Profondeur : 16.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)

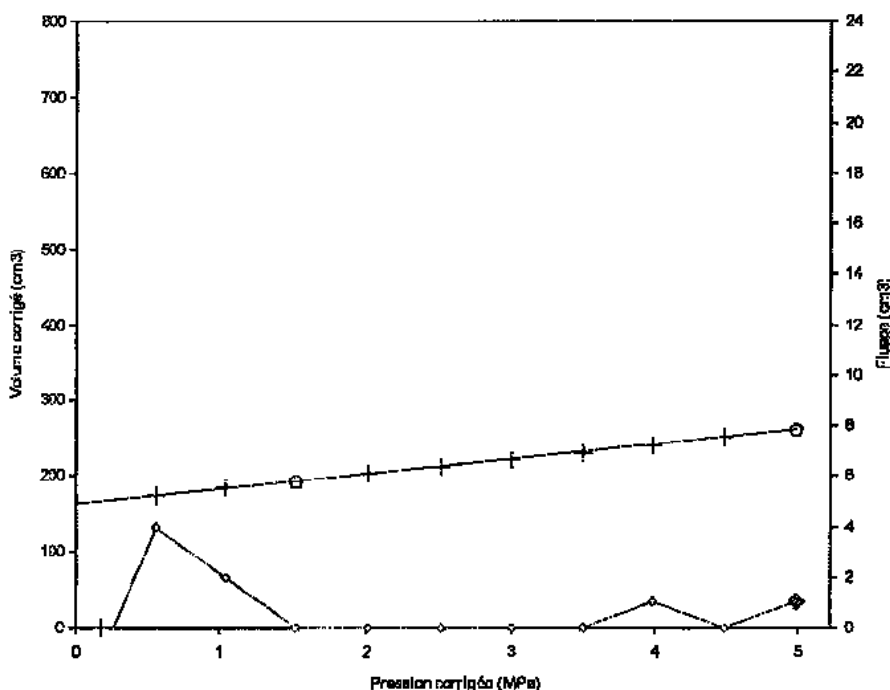
E_m = 75.9

Pl = 7.47	Pmax = 4.91
Pl(i) = 7.47	Pf = 2.00
Pl(h) = 6.33	Po = 0.21
Pl(pf) = 3.00	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM2009-10



Profondeur : 17.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)

E_m = 102.7

Pl > 4.98	Pmax = 4.98
	Pf > 4.98
	Po = 0.23
Pl(pf) > 7.47	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

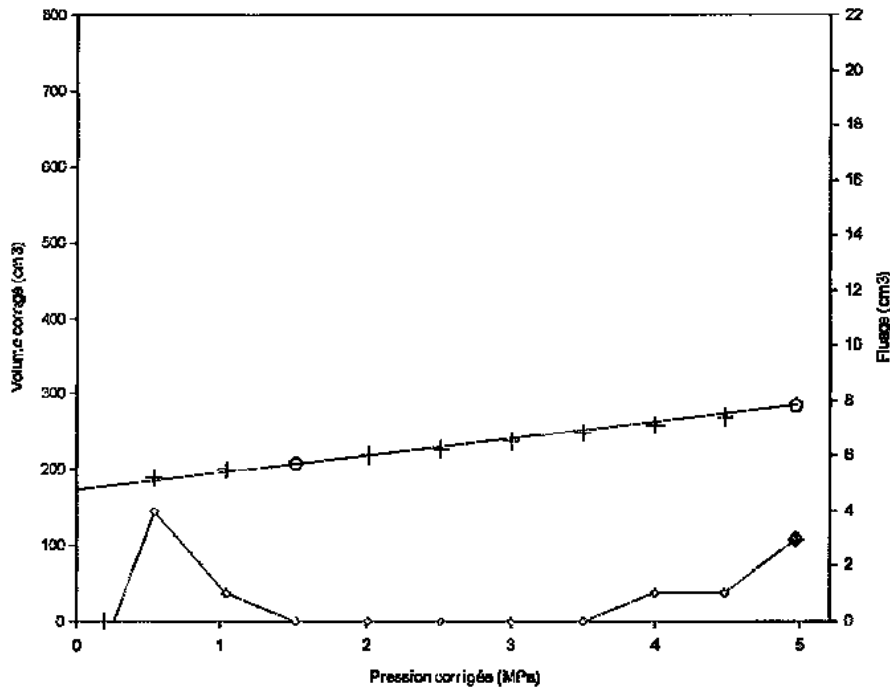
Affaire: SIZEWELL B - GROUND INVESTIGATION

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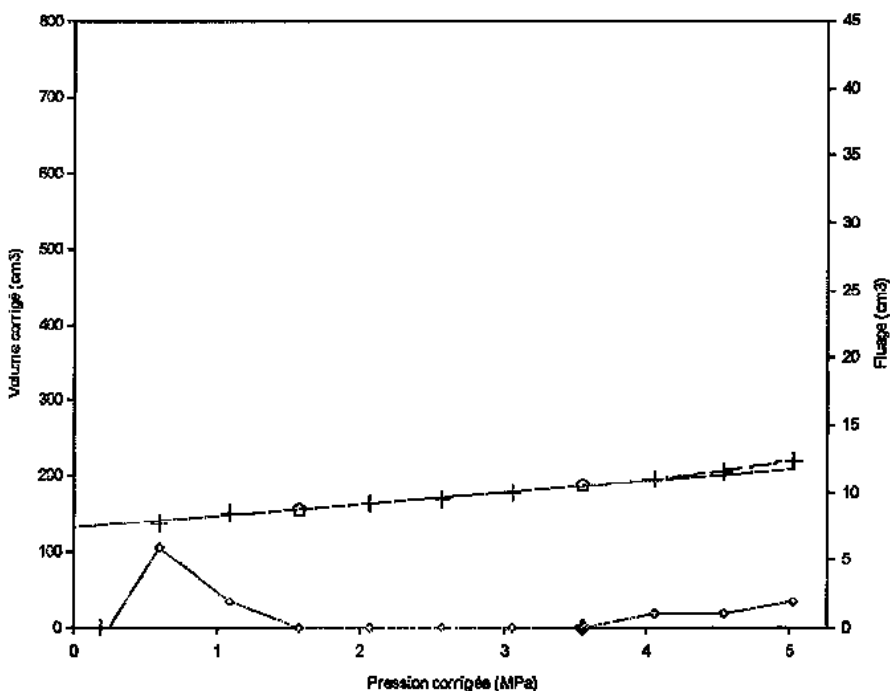
Profondeur : 18.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
No (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 94.1$
Pl > 4.97 | Pmax = 4.97
PF > 4.97
Po = 0.24
Pl (P2) > 7.46

Légende:
- - - : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM2009-10



Profondeur : 19.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
No (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 126.1$
Pl = 11.12 | Pmax = 5.03
Pl(i) = 11.12 | Pf = 3.55
Pl(h) = 7.71 | Po = 0.26
Pl (Pf) = 5.33

Légende:
- - - : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

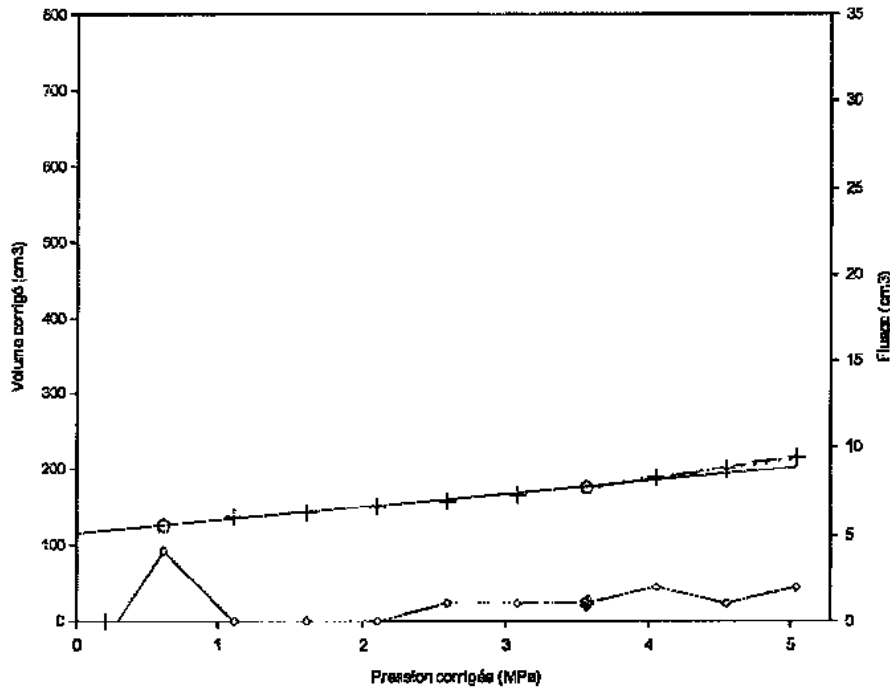
Affaire: SIZEWELL B - GROUND INVESTIGATION

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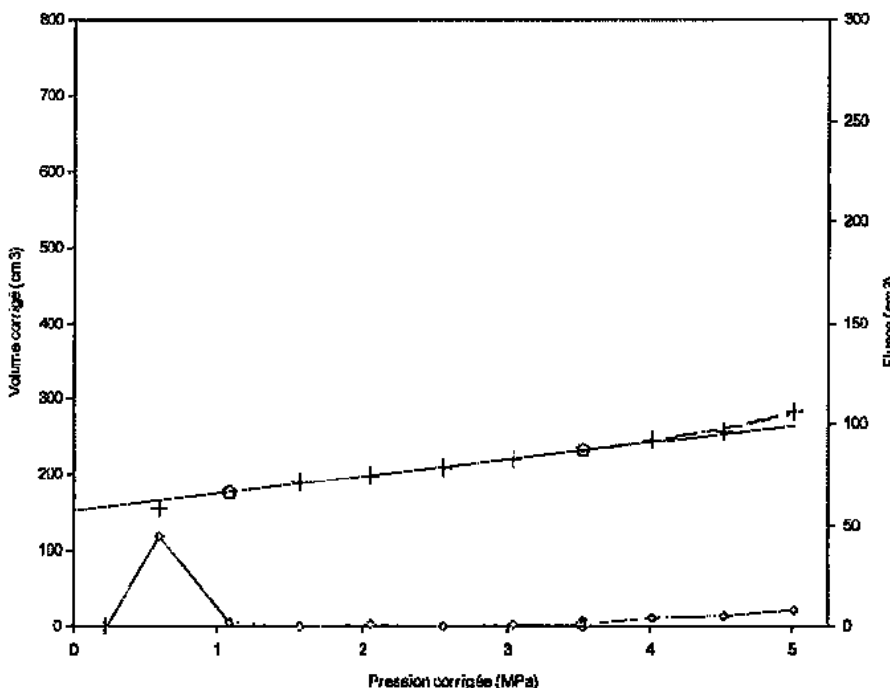
Profondeur : 20.00 m
Type de forage: Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.55 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.01 cm³/MPa

(valeurs en MPa)
E_M = 106.6
Pl = 9.99 | Pmax = 5.04
Pl(i) = 9.99 | Pf = 3.57
Pl(h) = 7.71 | Po = 0.27
Pl(Pf) = 5.36

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
o : fluage ◆ : Pf

Sondage: MPM2009-10



Profondeur : 21.00 m
Type de forage: Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.01 cm³/MPa

(valeurs en MPa)
E_M = 89.4
Pl = 9.95 | Pmax = 5.01
Pl(i) = 9.95 | Pf = 3.54
Pl(h) = 8.05 | Po = 0.28
Pl(Pf) = 5.31

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
o : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

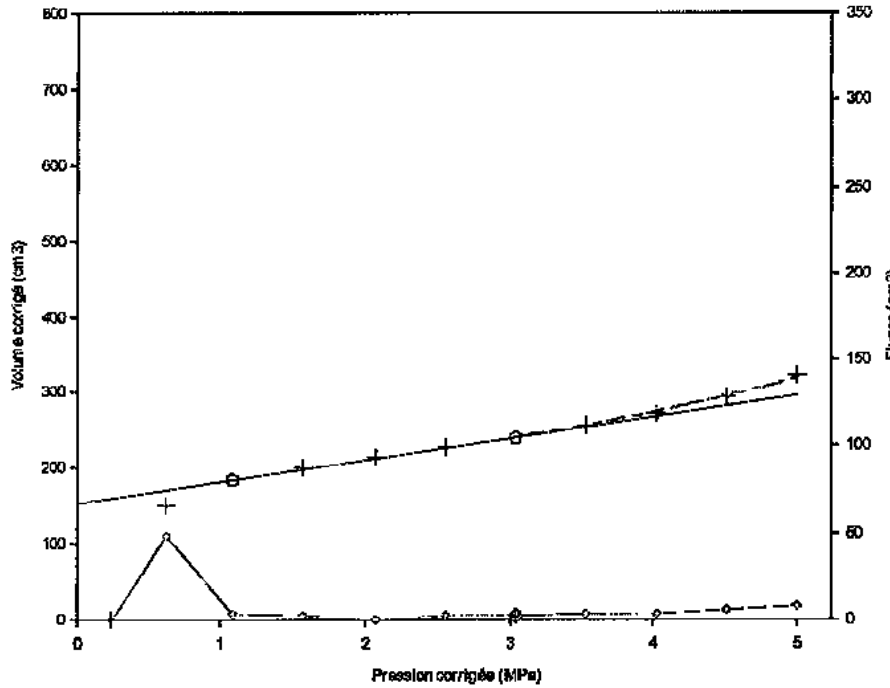
Affaire: SIZEWELL B - GROUND INVESTIGATION

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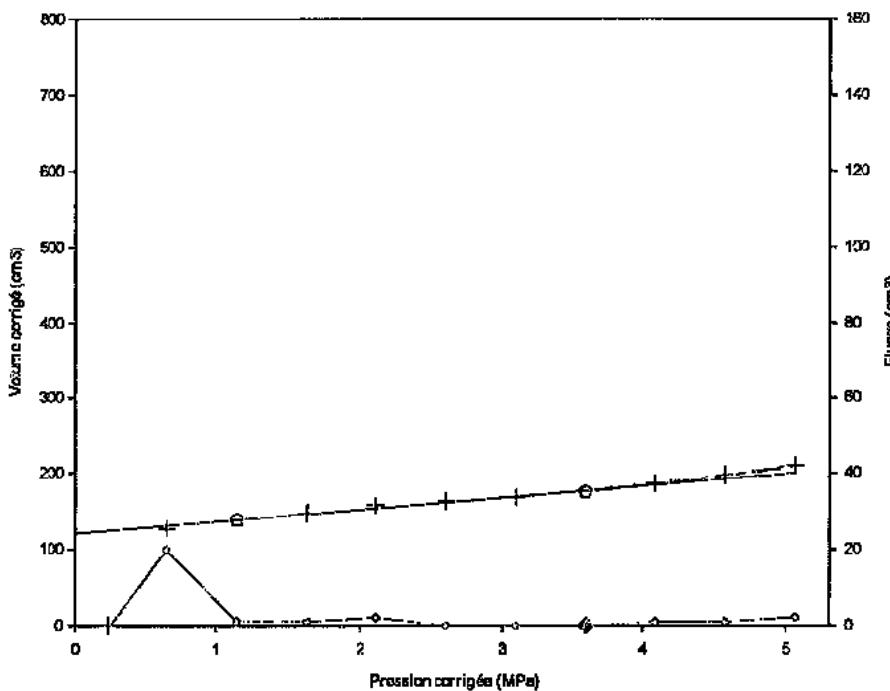
Profondeur : 22.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_M = 68.9
Fl = 8.86 | P_{max} = 4.99
Fl(i) = 8.86 | P_f = 3.04
Fl(h) = 8.42 | P₀ = 0.30
Fl(pf) = 4.56

Légende:
--- : Fl(i) - - - : Fl(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM2009-10



Profondeur : 23.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_M = 119.8
Fl = 11.33 | P_{max} = 5.07
Fl(i) = 11.33 | P_f = 3.60
Fl(h) = 7.36 | P₀ = 0.31
Fl(pf) = 5.40

Légende:
--- : Fl(i) - - - : Fl(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

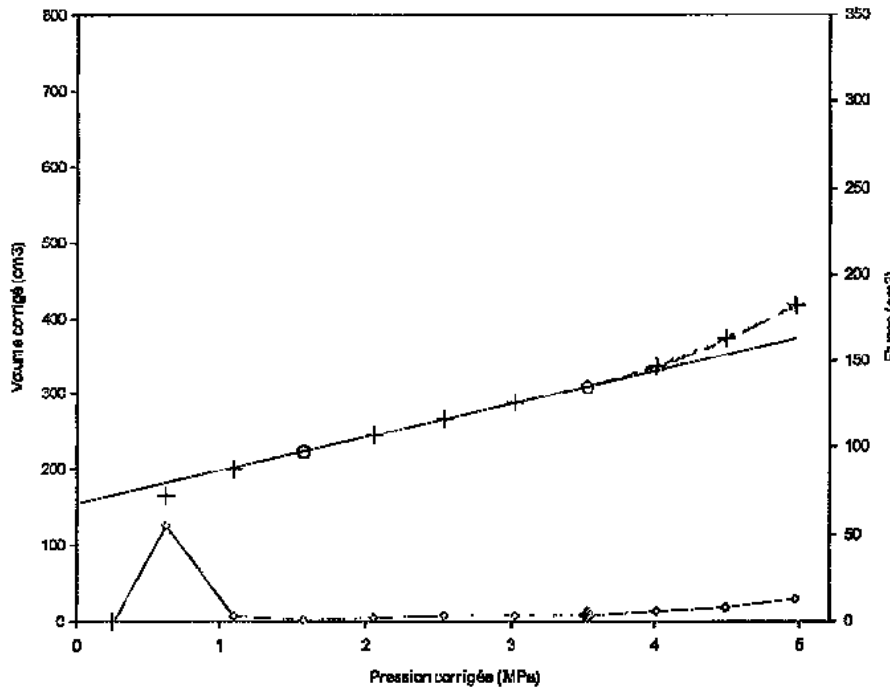
Affaire: SIZEWELL B - GROUND INVESTIGATION

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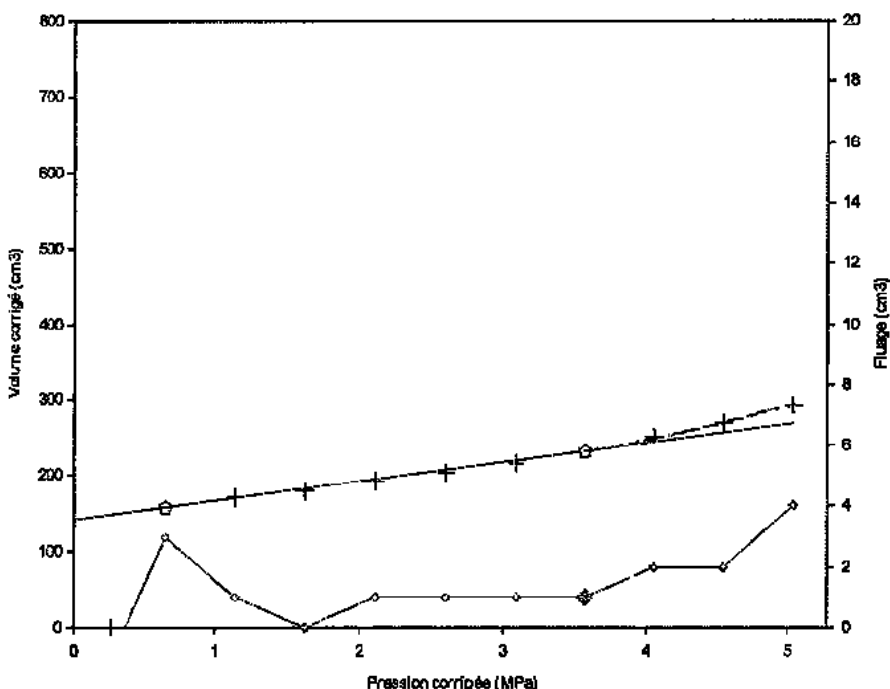
Profondeur : 24.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
s = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 49.2
Pl = 7.57 | Pmax = 4.98
Pl (i) = 7.57 | Pf = 3.52
Pl (h) = 6.35 | Po = 0.32
Pl (pf) = 5.28

Légende:
- - - : Pl (i) - - - : Pl (h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM2009-10



Profondeur : 25.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
s = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 78.7
Pl = 8.77 | Pmax = 5.04
Pl (i) = 8.77 | Pf = 3.58
Pl (h) = 7.50 | Po = 0.34
Pl (pf) = 5.36

Légende:
- - - : Pl (i) - - - : Pl (h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

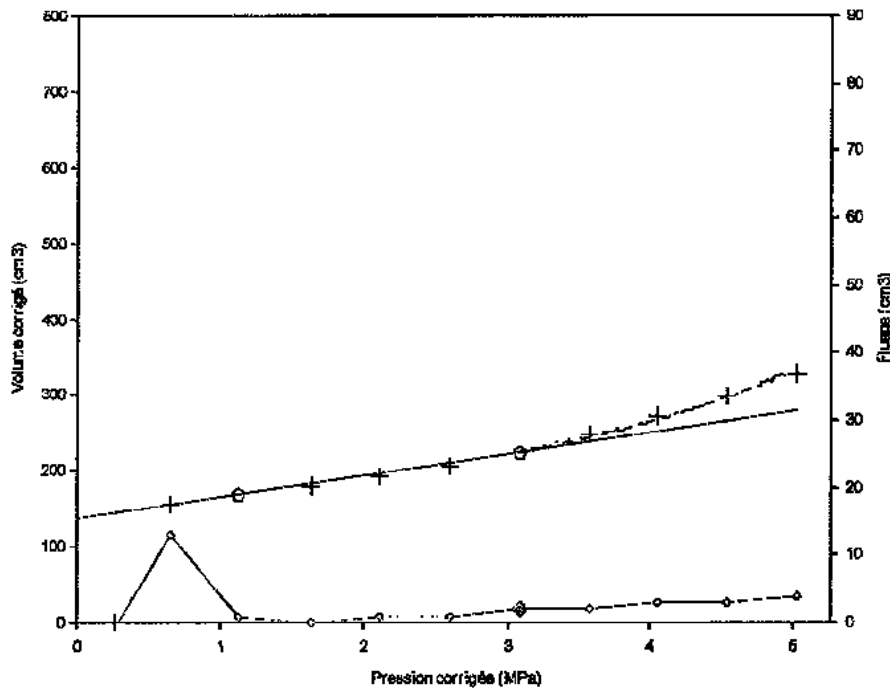
Affaire: SIZEWELL B - GROUND INVESTIGATION

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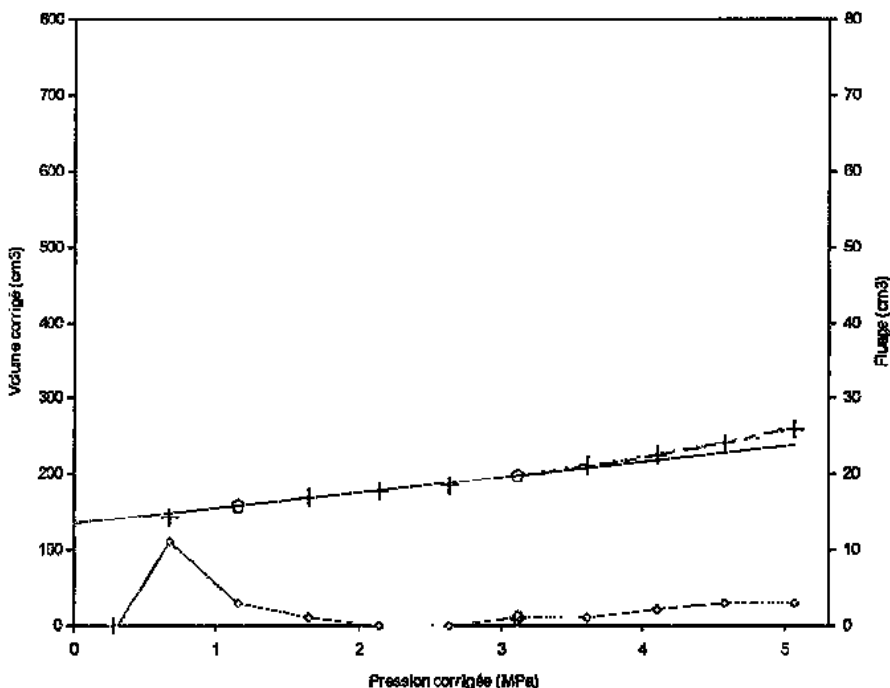
Profondeur : 26.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 68.6
Pl = 7.64 | Pmax = 5.03
Pl(i) = 7.64 | Pf = 3.09
Pl(h) = 6.69 | Po = 0.35
Pl(eg) = 4.64

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
O : extrémité de la phase linéaire
o : fluage ◆ : Pf

Sondage: MPM2009-10



Profondeur : 27.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 94.7
Pl = 9.62 | Pmax = 5.08
Pl(i) = 9.62 | Pf = 3.12
Pl(h) = 7.66 | Po = 0.36
Pl(eg) = 4.68

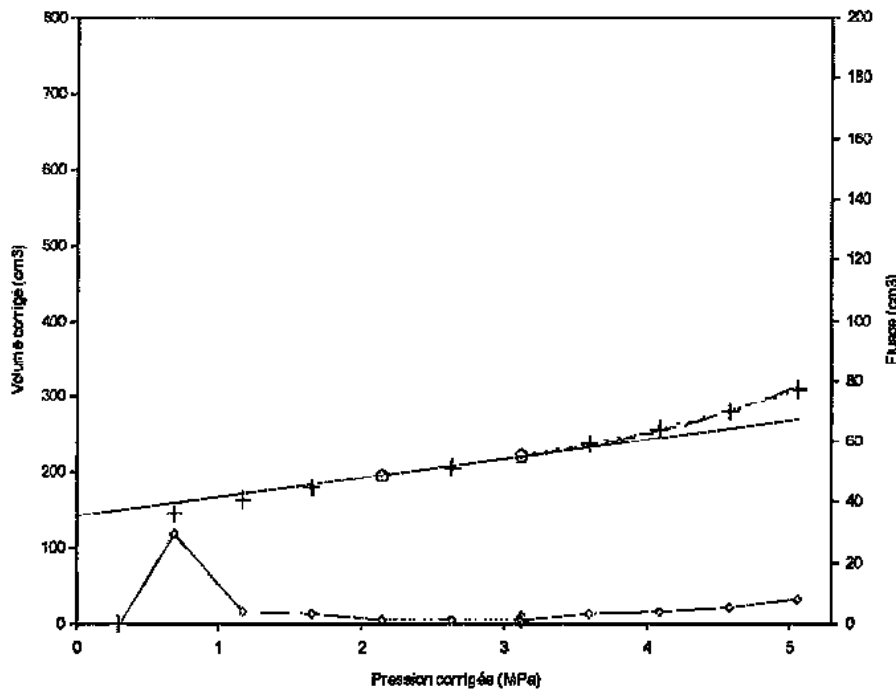
Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
O : extrémité de la phase linéaire
o : fluage ◆ : Pf

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Profondeur : 28.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K_s (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

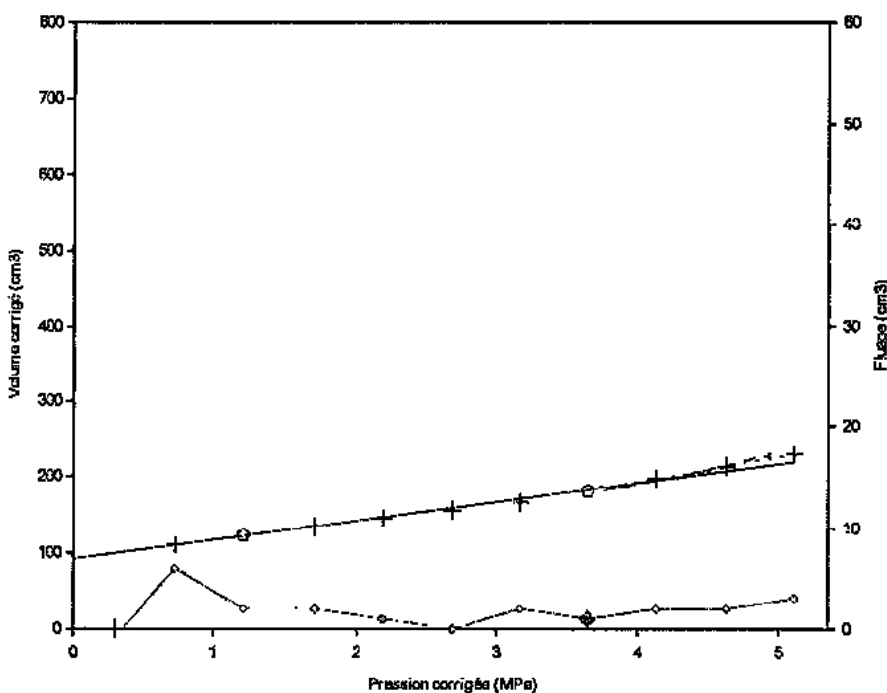
$E_M = 80.1$

P1 = 8.33	Pmax = 5.06
P1(i) = 8.33	Pf = 3.11
P1(h) = 6.64	Po = 0.38
P1(pf) = 4.67	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : Pf

Sondage: MPM2009-10



Profondeur : 29.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K_s (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 74.6$

P1 = 9.17	Pmax = 5.12
P1(i) = 9.17	Pf = 3.65
P1(h) = 7.10	Po = 0.39
P1(pf) = 5.48	

Légende:

- : P1(i)
- : P1(h)
- + : point de mesure
- x : point non pris en compte
- : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : Pf

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

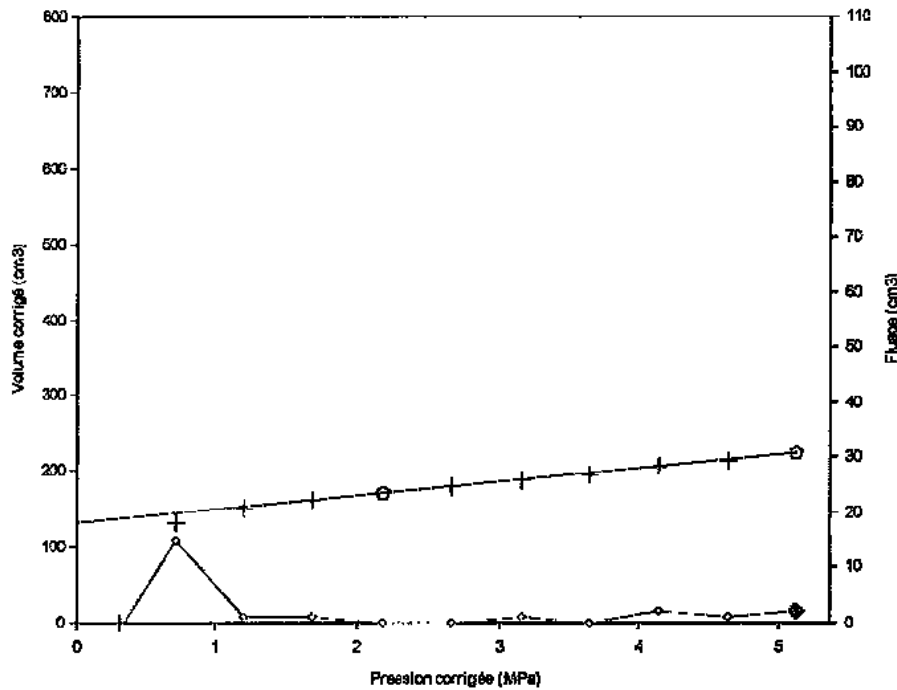
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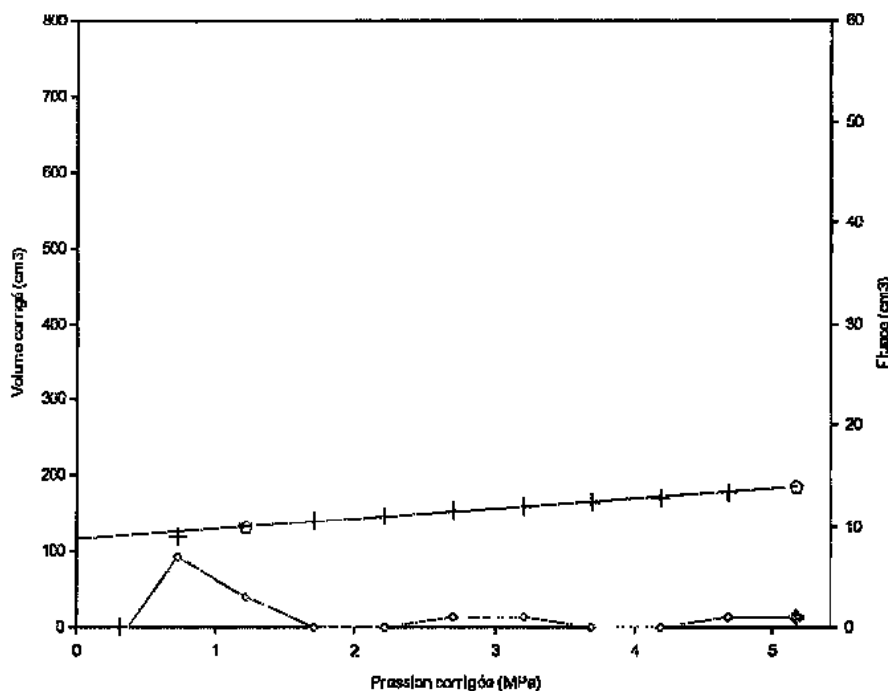
Profondeur : 30.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 107.5
P_l > 5.13 | P_{max} = 5.13
P_f > 5.13 | P_o = 0.41
P_l (pf) > 7.69

Légende:
- - - : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
⬠ : extrémité de la phase linéaire
o : fluage ♦ : P_f

Sondage: MPM2009-10



Profondeur : 31.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 138.1
P_l > 5.17 | P_{max} = 5.17
P_f > 5.17 | P_o = 0.42
P_l (pf) > 7.76

Suivant la norme
NFP 94-110-1
Légende:
- - - : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
⬠ : extrémité de la phase linéaire
o : fluage ♦ : P_f

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

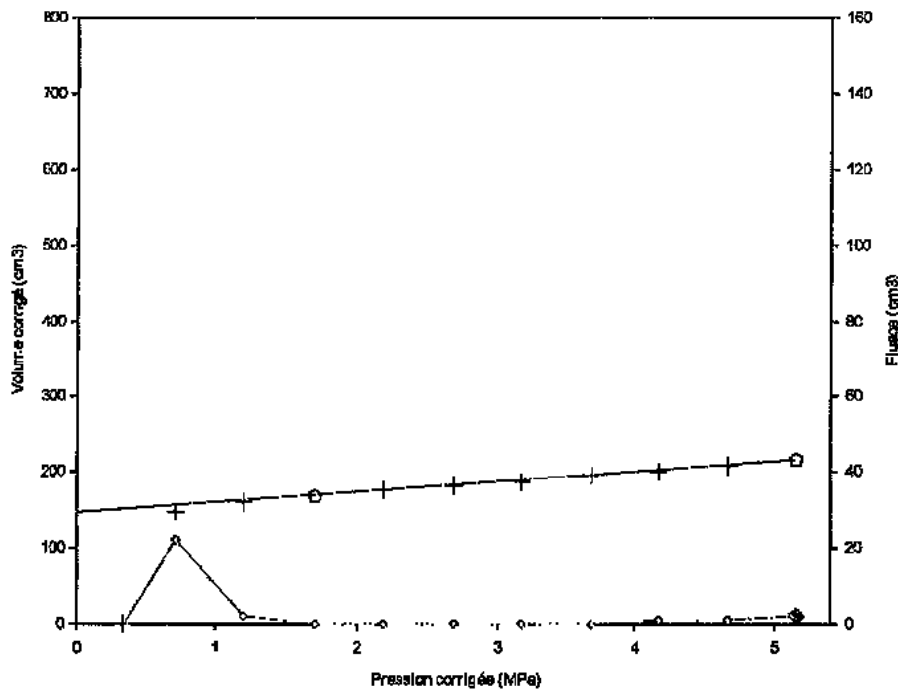
Affaire: SIZEWELL B - GROUND INVESTIGATION

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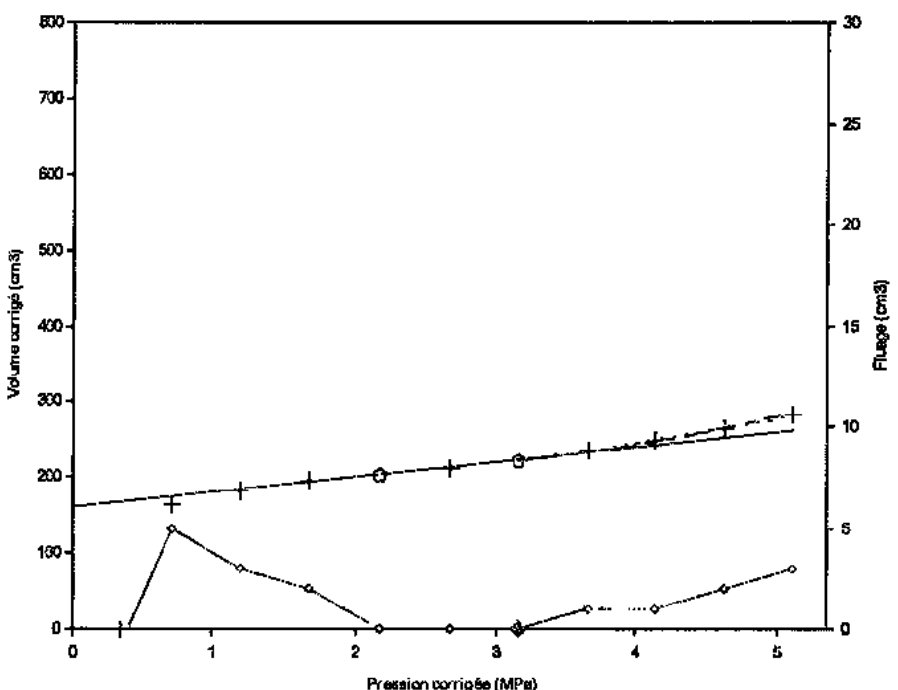
Profondeur : 32.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_x = 142.1
P_l > 5.16 | P_{max} = 5.16
P_f > 5.16
P₀ = 0.43
P_l (P_f) > 7.73

Légende:
--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
◊ : fluage ◊ : P_f

Sondage: MPM2009-10



Profondeur : 33.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_x = 102.1
P_l = 10.29 | P_{max} = 5.12
P_l(i) = 10.29 | P_f = 3.16
P_l(h) = 7.43 | P₀ = 0.45
P_l(P_f) = 4.74

Légende:
--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
◊ : fluage ◊ : P_f

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

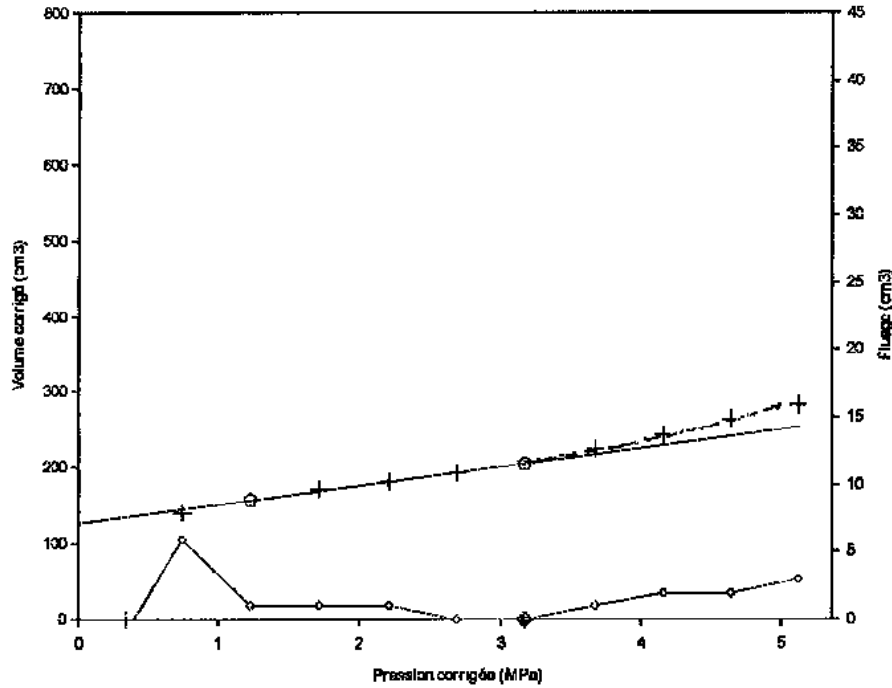
Affaire: SIZEWELL B - GROUND INVESTIGATION

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FONDASOL
290 rue des Galoubets
BP 765
84140 MONTEFVET

Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM2009-10



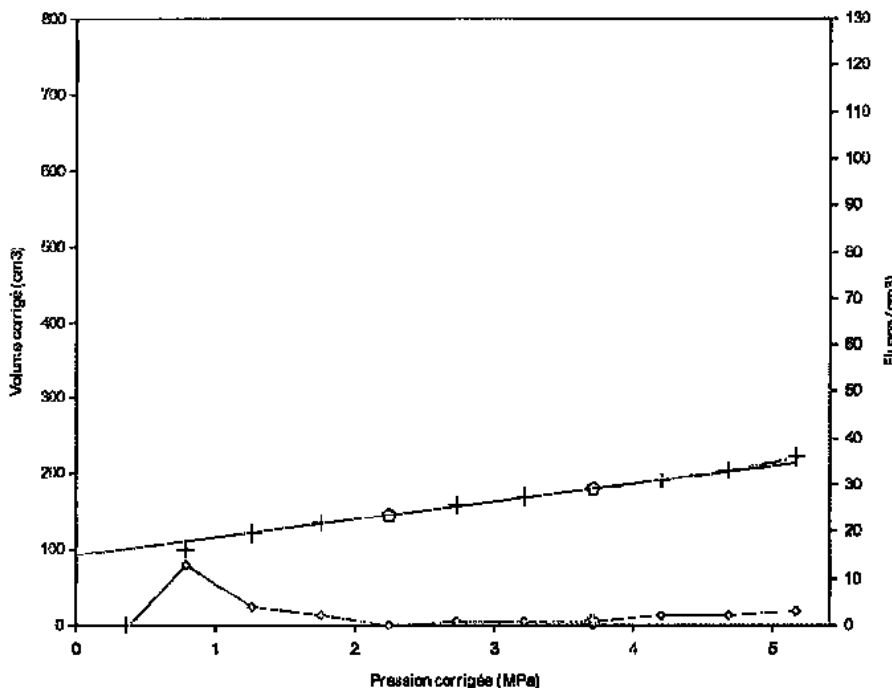
Profondeur : 34.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_M = 77.2
P_l = 8.63 | P_{max} = 5.13
P_l(i) = 8.63 | P_f = 3.18
P_l(h) = 7.17 | P_o = 0.46
P_l(BT) = 4.78

Légende:
--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ♦ : P_f

Sondage: MPM2009-10



Profondeur : 35.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
E_M = 80.6
P_l = 9.89 | P_{max} = 5.18
P_l(i) = 9.89 | P_f = 3.72
P_l(h) = 7.89 | P_o = 0.47
P_l(BT) = 5.57

Légende:
--- : P_l(i) - - - : P_l(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ♦ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

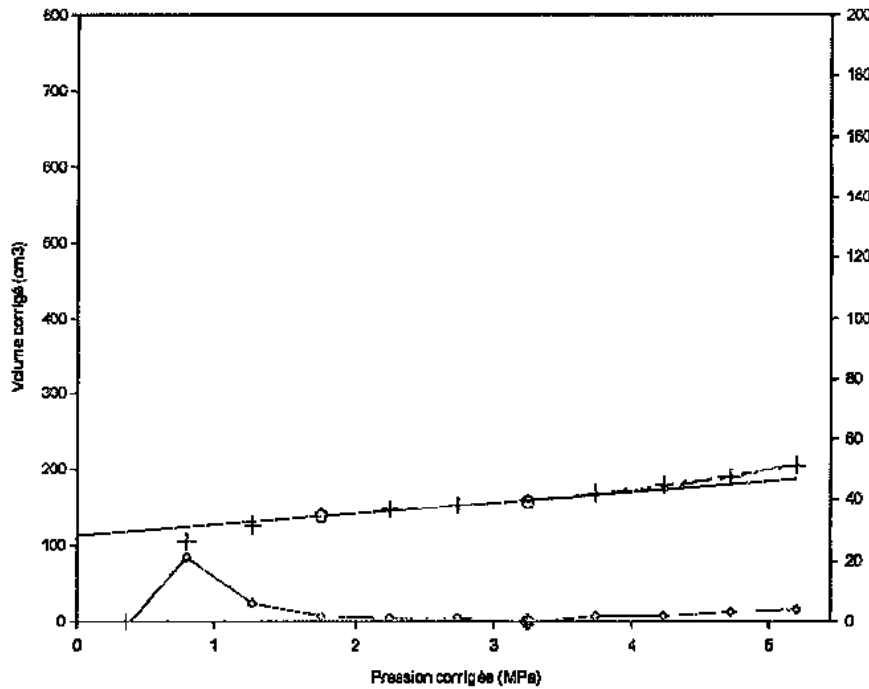
Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-Pressio
Version : 1.1

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Sondage: MPM2009-10



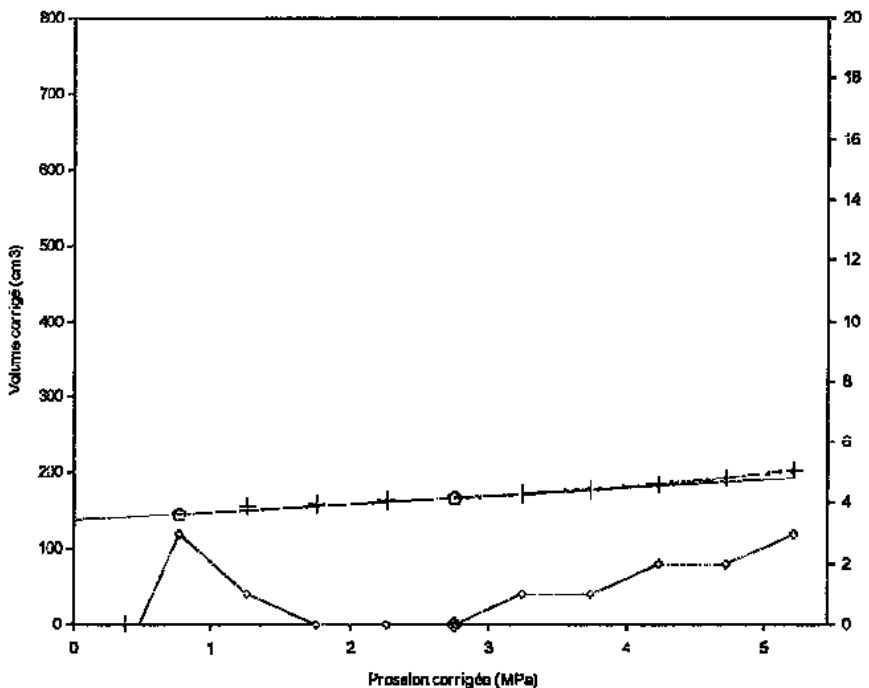
Profondeur : 36.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
α = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 129.5
Pl = 10.21 | Pmax = 5.20
Pl(i) = 10.21 | Pf = 3.24
Pl(h) = 6.80 | Po = 0.49
Pl(pf) = 4.87

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM2009-10



Profondeur : 37.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
α = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 169.9
Pl = 13.56 | Pmax = 5.21
Pl(i) = 13.56 | Pf = 2.75
Pl(h) = 7.39 | Po = 0.50
Pl(pf) = 4.12

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

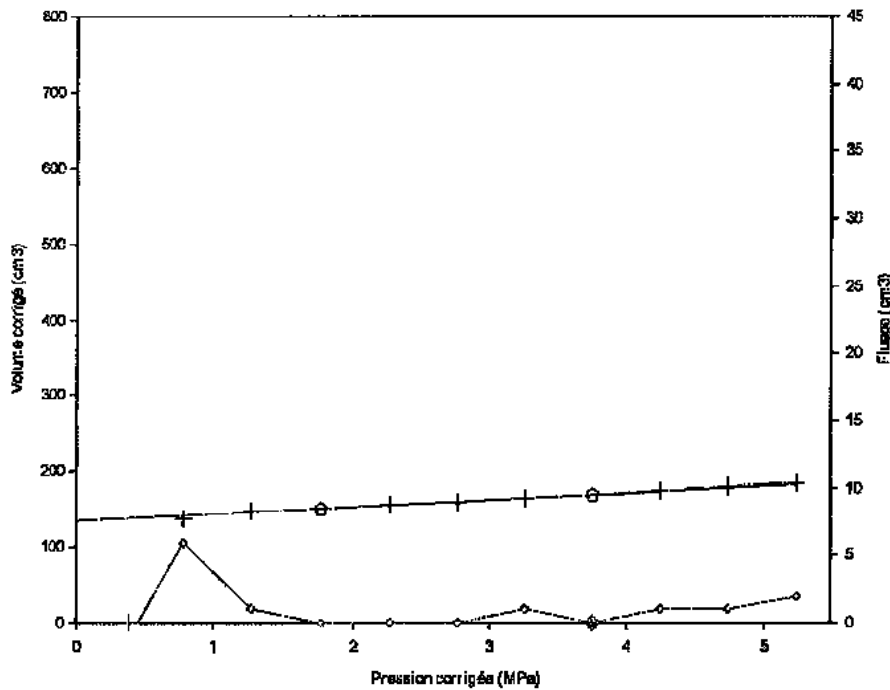
Affaire: SIZEWELL B - GROUND INVESTIGATION

Programme: W-PRASSIO
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Sondage: MPM2009-10

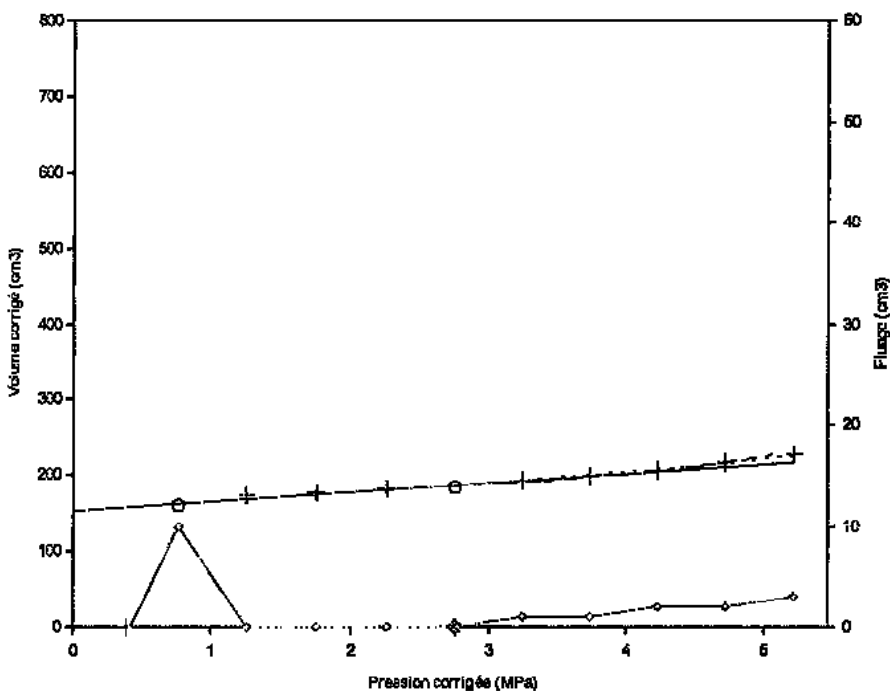


Profondeur : 38.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m
N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 210.7
P_l = 16.25 | P_{max} = 5.24
P_{l(i)} = 16.25 | P_f = 3.76
P_{l(h)} = 9.81 | P_o = 0.52
P_{l(Pf)} = 5.63

Légende:
- - - : P_{l(i)} - - - : P_{l(h)}
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

Sondage: MPM2009-10



Profondeur : 39.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m
N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 152.9
P_l = 13.70 | P_{max} = 5.22
P_{l(i)} = 13.70 | P_f = 2.75
P_{l(h)} = 7.14 | P_o = 0.53
P_{l(Pf)} = 4.13

Légende:
- - - : P_{l(i)} - - - : P_{l(h)}
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

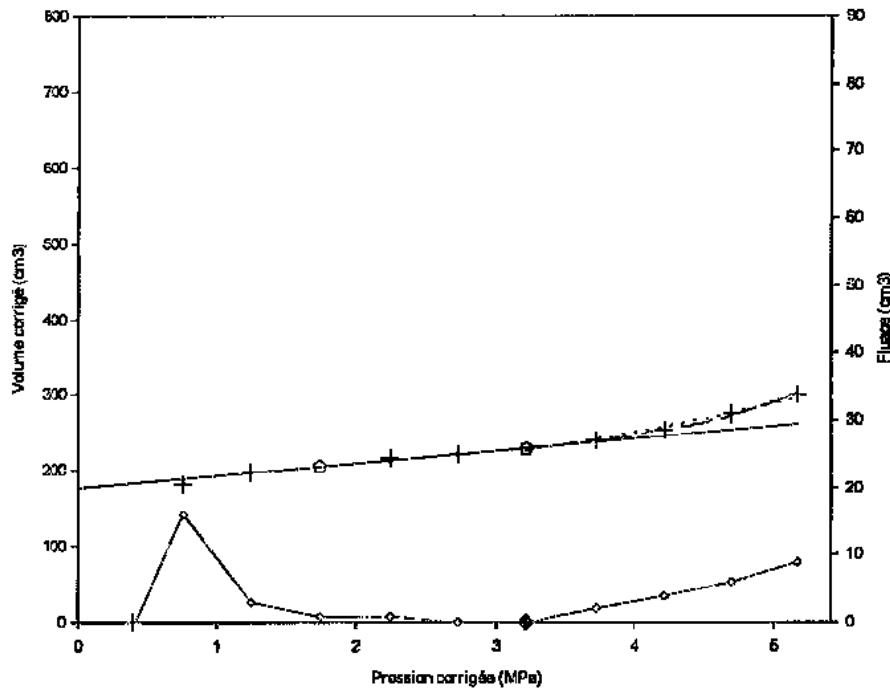
Affaire: SIZEWELL B - GROUND INVESTIGATION

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FONDASOL
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Sondage: MPM2009-10



Profondeur : 40.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

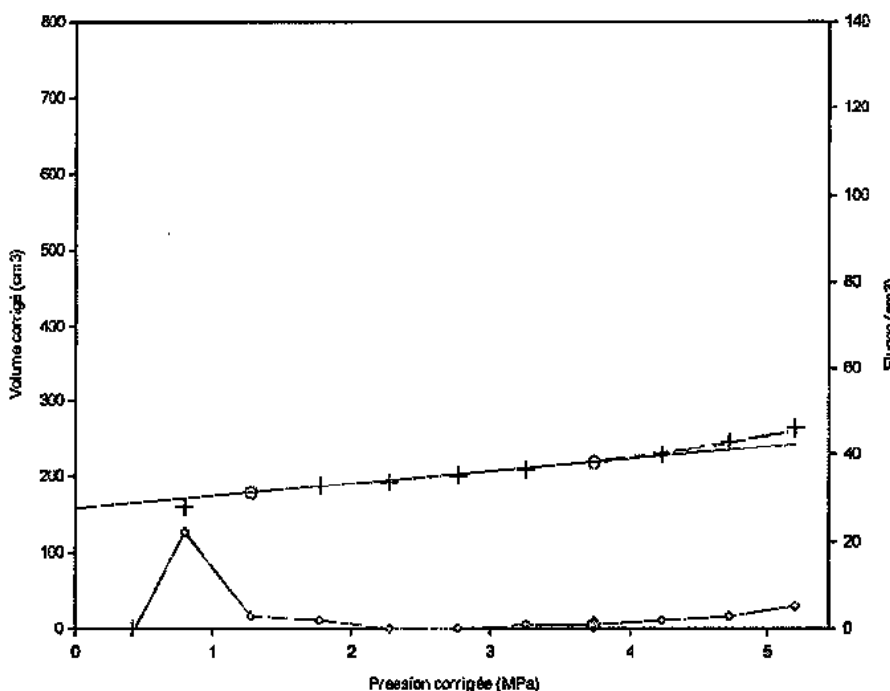
$E_M = 124.7$

Pl = 9.67	Pmax = 5.18
Pl(i) = 9.67	Pf = 3.23
Pl(h) = 6.26	Po = 0.54
Pl(Pf) = 4.84	

Légende:

- : Pl(i)
- - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : Pf

Sondage: MPM2009-10



Profondeur : 41.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 120.4$

Pl = 10.46	Pmax = 5.21
Pl(i) = 10.46	Pf = 3.74
Pl(h) = 8.12	Po = 0.56
Pl(Pf) = 5.61	

Légende:

- : Pl(i)
- - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ◻ : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

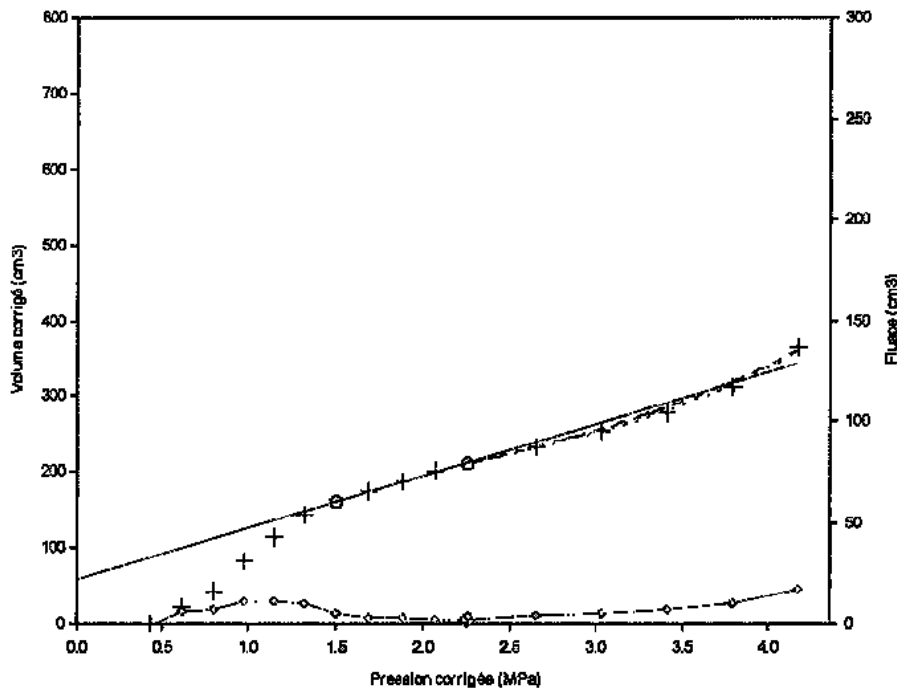
Affaire: SIZEWELL B - GROUND INVESTIGATION

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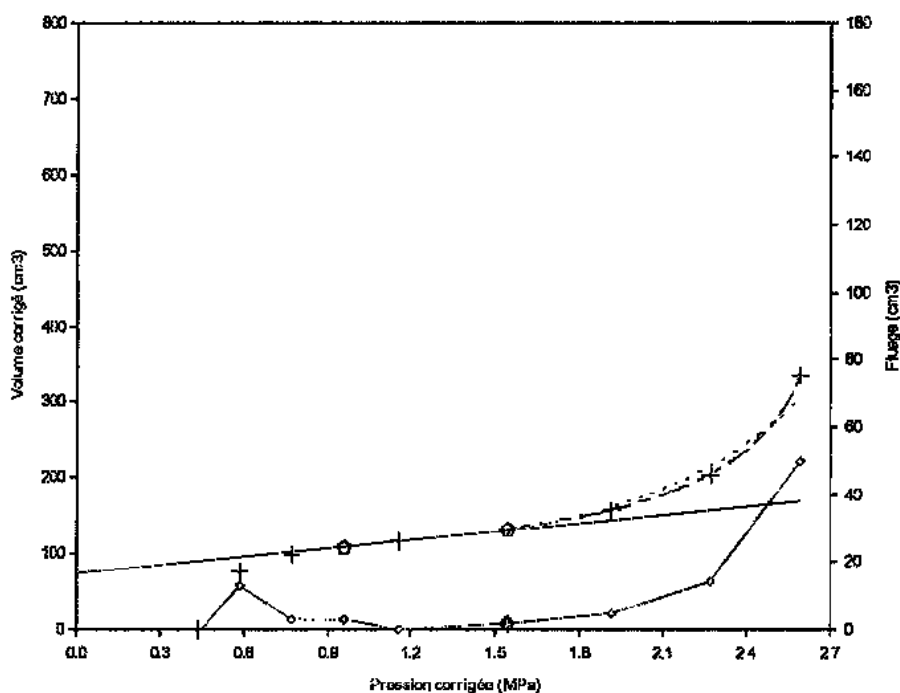
Profondeur : 42.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (est:06)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 28.2
P₁ = 5.90 | P_{max} = 4.17
P₁(i) = 5.90 | P_f = 2.26
P₁(h) = 5.68 | P₀ = 0.57
P₁(pf) = 3.39

Légende:
--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM2009-10



Profondeur : 43.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 47.0
P₁ = 3.04 | P_{max} = 2.60
P₁(i) = 3.04 | P_f = 1.54
P₁(h) = 2.75 | P₀ = 0.58
P₁(pf) = 2.31

Légende:
--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

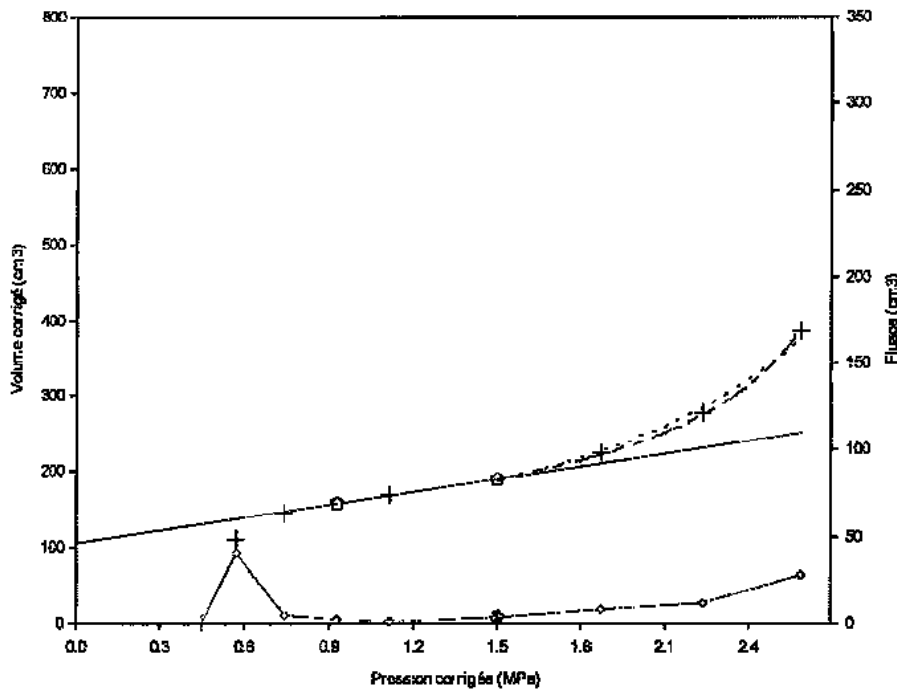
Affaire: SIZEWELL B - GROUND INVESTIGATION

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Sondage: MPM2009-10



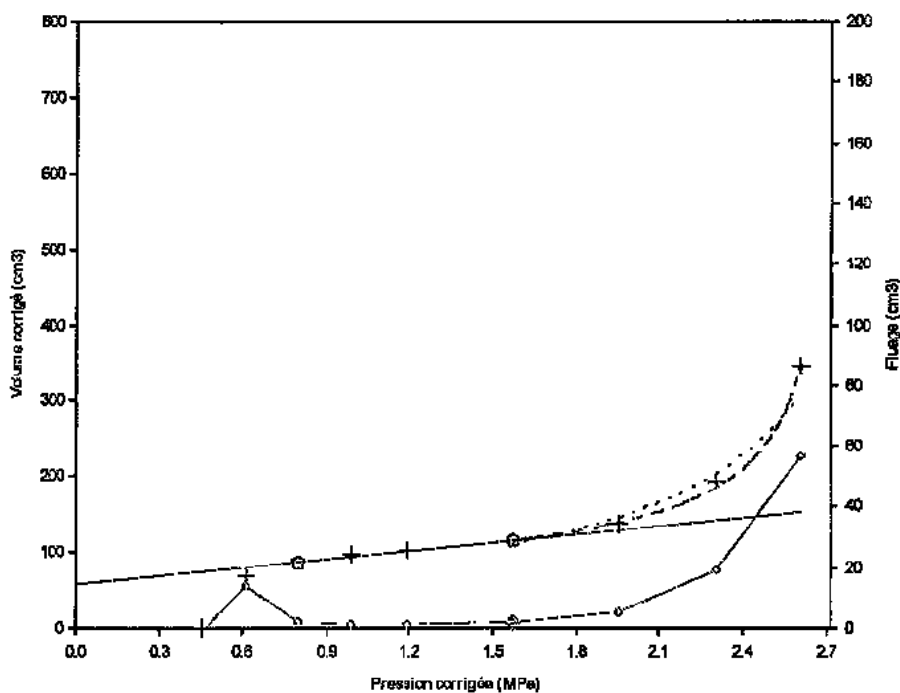
Profondeur : 44.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
Ks (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 33.1
P₁ = 3.20 | P_{max} = 2.58
P₁(i) = 3.20 | P_f = 1.50
P₁(h) = 2.86 | P₀ = 0.60
P₁(pf) = 2.25

Légende:
--- : P₁(i) - - - : P₁(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

Sondage: MPM2009-10



Profondeur : 45.00 m
Type de forage:
Roto-percussion
Nappe: 1.20 m
Ks (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.81 cm³/MPa

(valeurs en MPa)
E_M = 46.3
P₁ = 2.94 | P_{max} = 2.61
P₁(i) = 2.94 | P_f = 1.57
P₁(h) = 2.70 | P₀ = 0.61
P₁(pf) = 2.36

Légende:
--- : P₁(i) - - - : P₁(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

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ESSAI PRESSIOMETRIQUE (NFP 94-110)

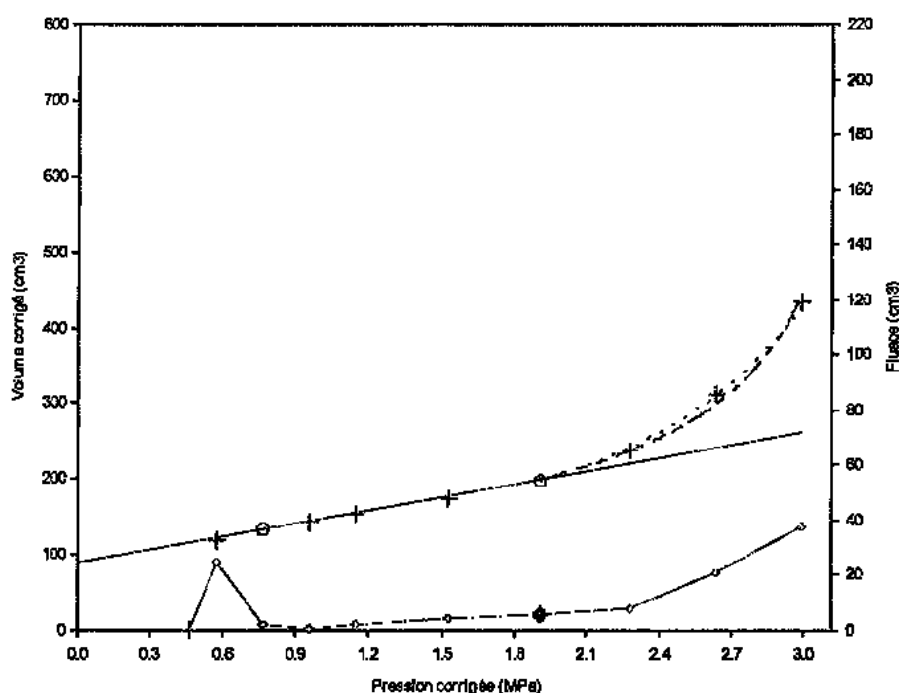
Affaire: SIZEWELL B - GROUND INVESTIGATION

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Sondage: MPM2009-10



Profondeur : 46.00 m

Type de forage:
Désagrégateur rotation

Nappe: 1.20 m

K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2

Sonde: STANDARD

Gaine: Toilée renforcée

a = 0.81 cm³/MPa

(valeurs en MPa)

E_M = 32.7

Pl = 3.44 | Pmax = 2.99

Pl (i) = 3.44 | Pf = 1.91

Pl (h) = 3.21 | Po = 0.63

Pl (pf) = 2.86

Légende:

--- : Fl (i) - - - : Fl (h)

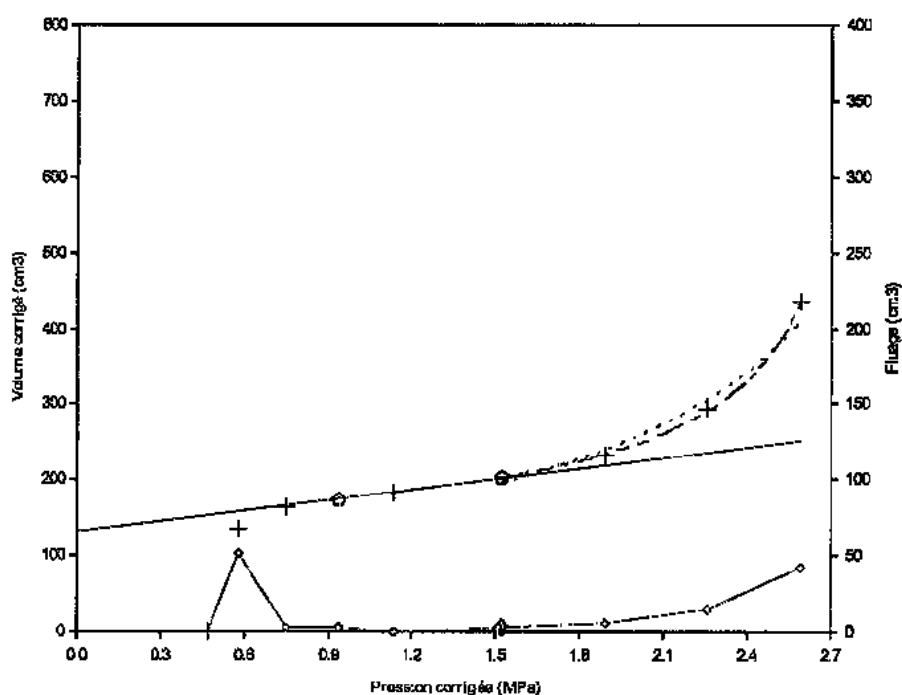
+ : point de mesure

x : point non pris en compte

◻ : extrémité de la phase linéaire

○ : fluage ◆ : Pf

Sondage: MPM2009-10



Profondeur : 47.00 m

Type de forage:
Désagrégateur rotation

Nappe: 1.20 m

K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2

Sonde: STANDARD

Gaine: Toilée renforcée

a = 0.81 cm³/MPa

(valeurs en MPa)

E_M = 41.9

Pl = 3.12 | Pmax = 2.60

Pl (i) = 3.12 | Pf = 1.52

Pl (h) = 2.78 | Po = 0.64

Pl (pf) = 2.27

Légende:

--- : Fl (i) - - - : Fl (h)

+ : point de mesure

x : point non pris en compte

◻ : extrémité de la phase linéaire

○ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

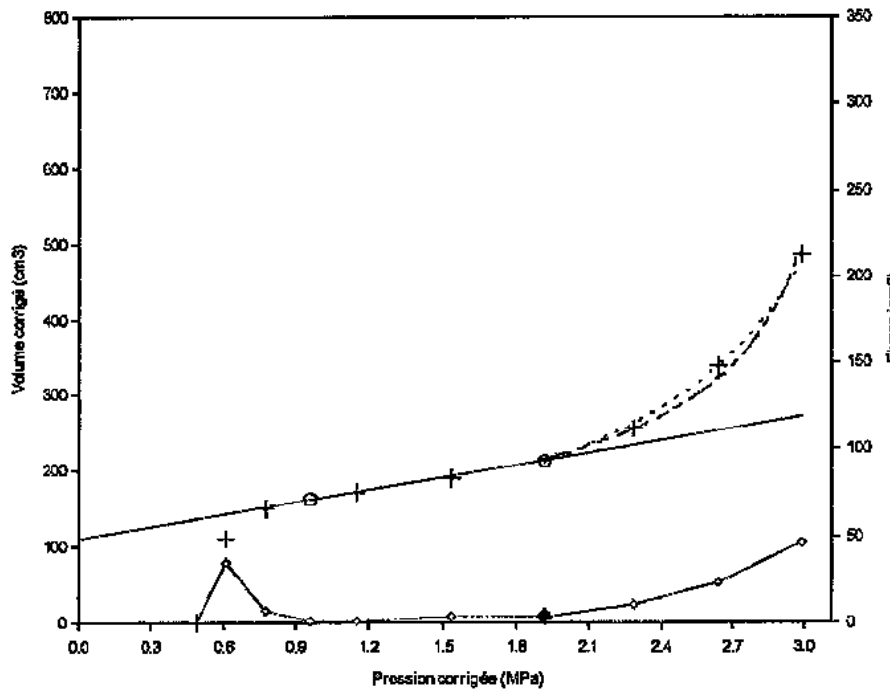
Affaire: SIZEWELL B - GROUND INVESTIGATION

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Fichier : P9
Dernière mise à jour:
25/08/2010 08:41:53

Sondage: MPM2009-10



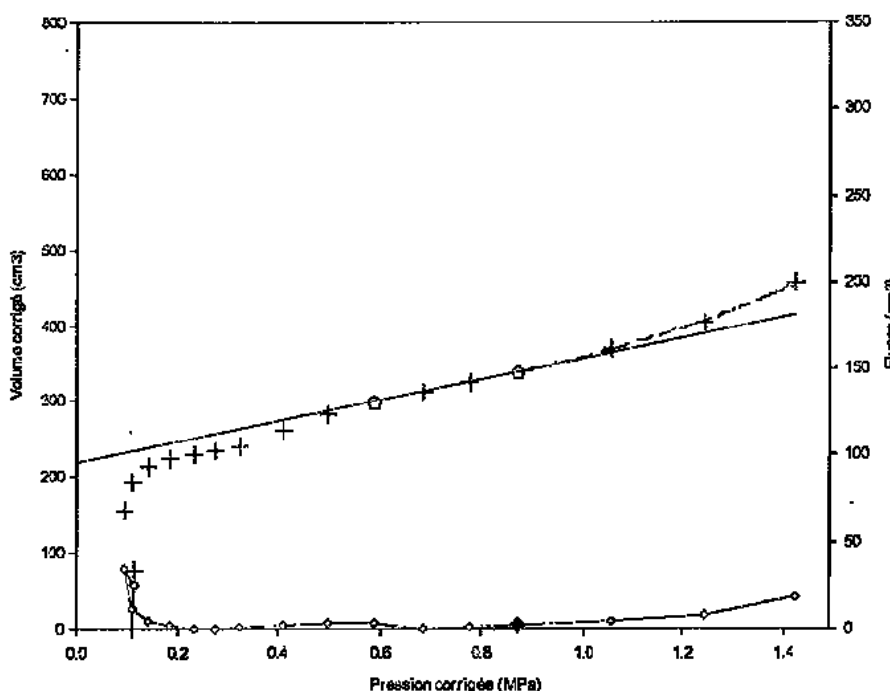
Profondeur : 48.00 m
Type de forage:
Désagrégateur rotation
Nappe: 1.20 m
Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 36.0$
P1 = 3.38 | Pmax = 2.99
P1(i) = 3.38 | Pf = 1.92
P1(h) = 3.15 | Po = 0.65
P1(pf) = 2.87

Légende:
--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ♦ : Pf

Sondage: MPM 2009-03



Profondeur : 10.00 m
Type de forage:
Désagrégateur rotation
Nappe: 2.85 m
Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 2
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.81 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 16.5$
P1 = 2.41 | Pmax = 1.43
P1(i) = 2.41 | Pf = 0.87
P1(h) = 2.10 | Po = 0.12
P1(pf) = 1.31

Légende:
--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ♦ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

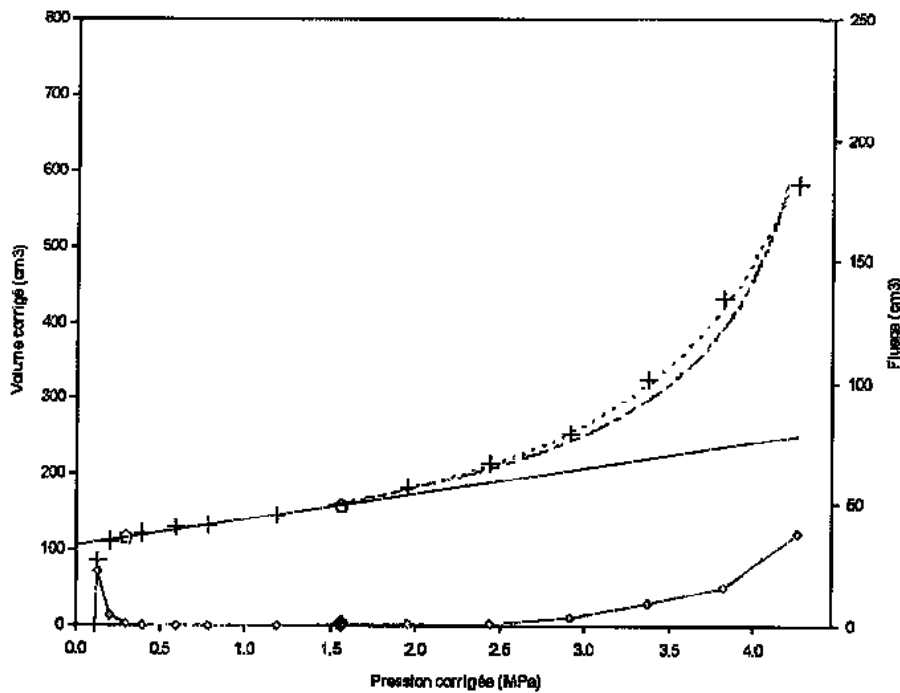
Programme: W-Pressio
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Fichier : P7
Dernière mise à jour:
06/10/2010 10:58:37

Sondage: MPM2009-11

Profondeur : 10.00 m



K_0 (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 53.0$

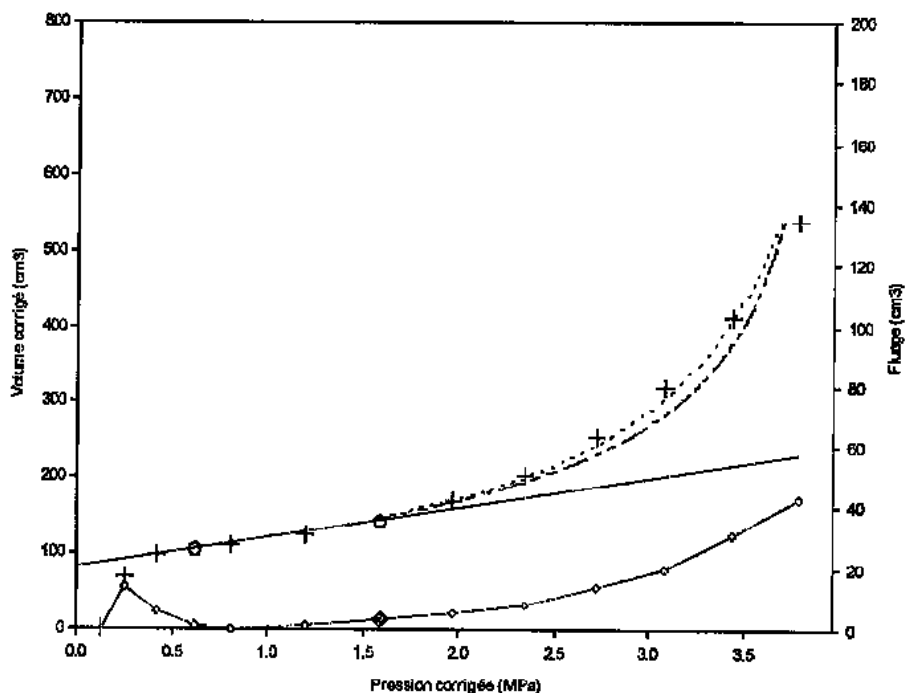
Pl = 4.48	Pmax = 4.26
Pl (i) = 4.48	Pf = 1.57
Pl (h) = 4.33	Po = 0.09
Pl (Pf) = 2.35	

Légende:

--- : Pl (i) - - - : Pl (h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM2009-11

Profondeur : 11.00 m



K_0 (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 44.7$

Pl = 3.91	Pmax = 3.78
Pl (i) = 3.91	Pf = 1.59
Pl (h) = 3.83	Po = 0.10
Pl (Pf) = 2.38	

Légende:

--- : Pl (i) - - - : Pl (h)
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

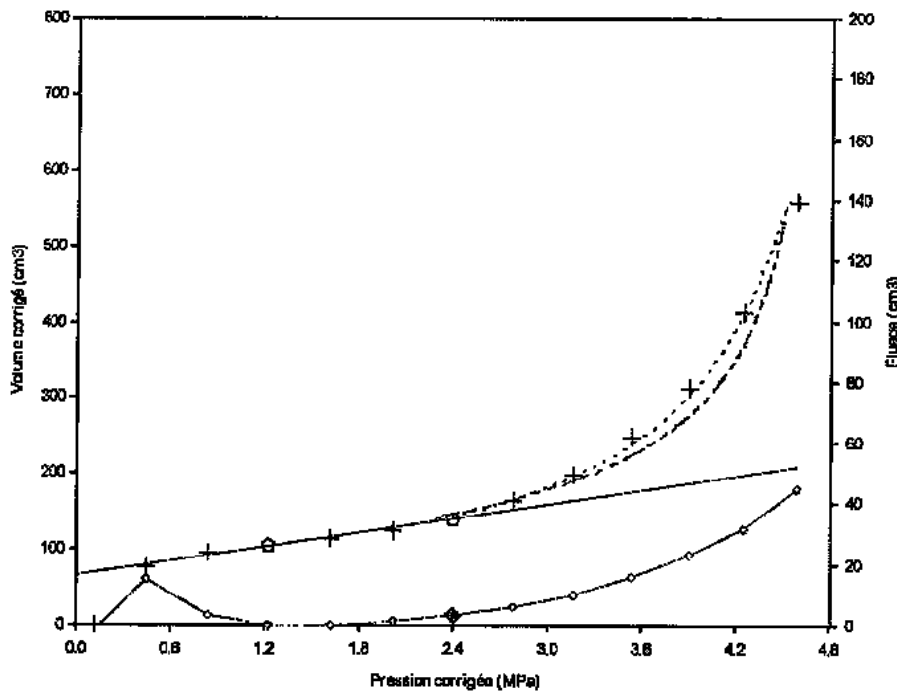
FONDASOL
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Programme: W-Pressio
Version : 1.1

Fichier : P7
Dernière mise à jour:
06/10/2010 10:58:37

Sondage: MPM2009-11

Profondeur : 12.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 57.1$

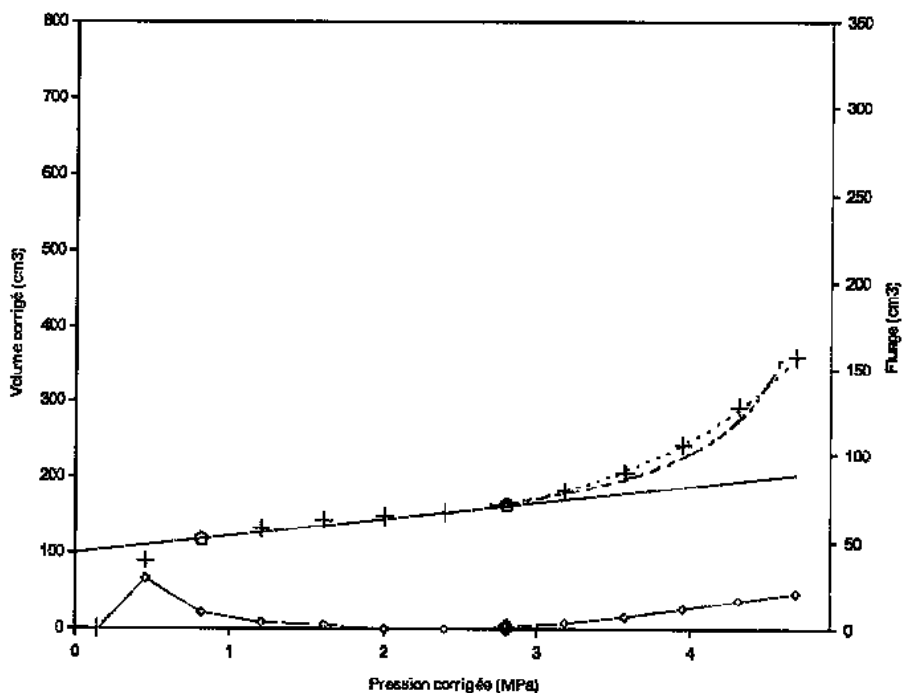
$P_l = 4.70$	$P_{max} = 4.58$
$P_l(i) = 4.70$	$P_f = 2.40$
$P_l(h) = 4.62$	$P_o = 0.11$
$P_l(pf) = 3.60$	

Légende:

- : $P_l(i)$ - - - : $P_l(h)$
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage ♦ : Pf

Sondage: MPM2009-11

Profondeur : 13.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 81.8$

$P_l = 5.56$	$P_{max} = 4.68$
$P_l(i) = 5.56$	$P_f = 2.80$
$P_l(h) = 4.89$	$P_o = 0.11$
$P_l(pf) = 4.19$	

Légende:

- : $P_l(i)$ - - - : $P_l(h)$
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage ♦ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

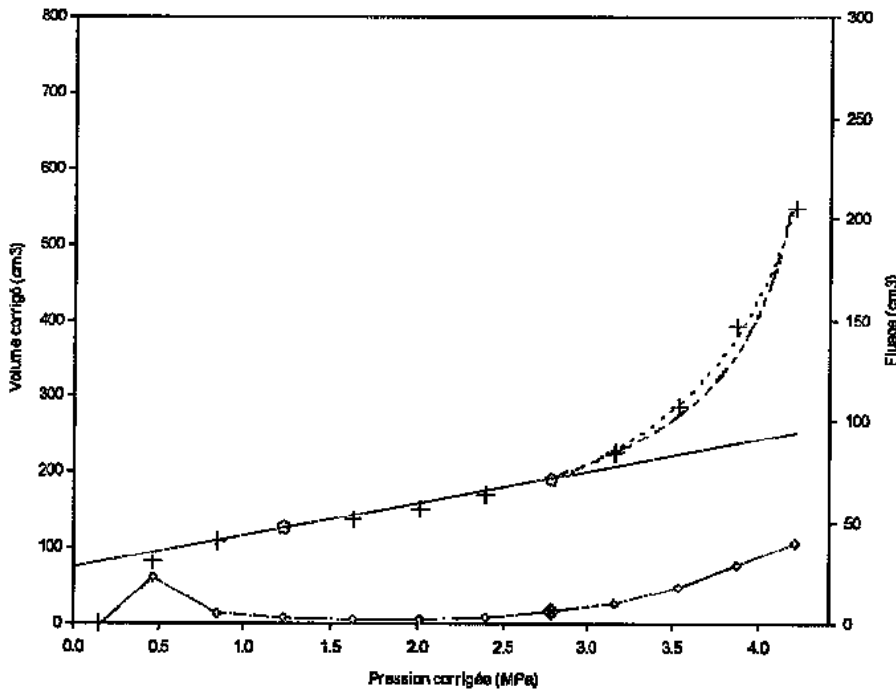
FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P7
Dernière mise à jour:
06/10/2010 10:58:37

Sondage: MPM2009-11

Profondeur : 14.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_N = 44.4$

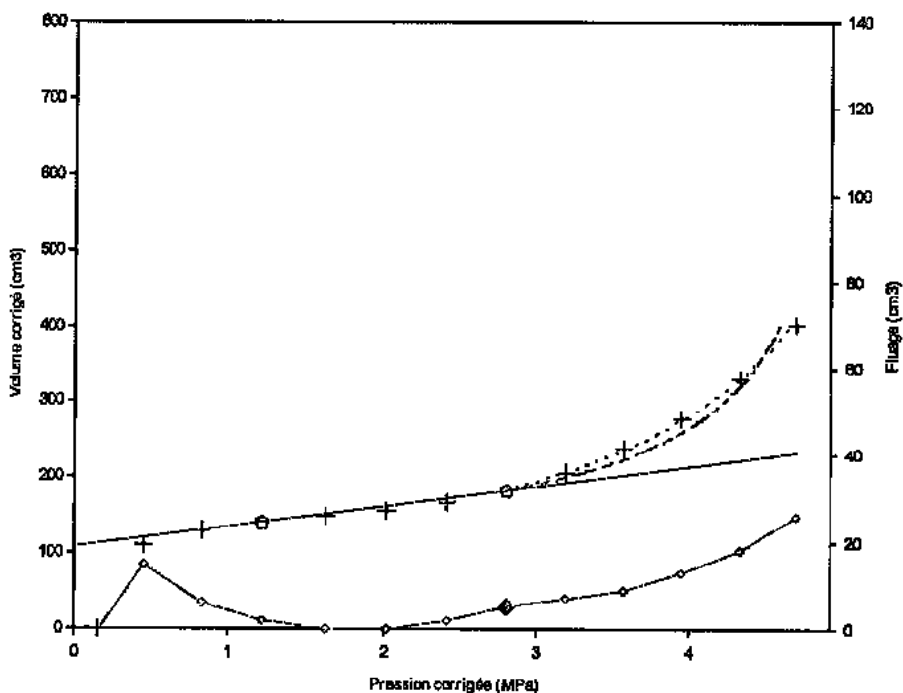
$P_l = 4.43$	$P_{max} = 4.21$
$P_l(i) = 4.43$	$P_f = 2.79$
$P_l(h) = 4.30$	$P_o = 0.12$
$P_l(pf) = 4.18$	

Légende:

- : $P_l(i)$ - - - : $P_l(h)$
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- o : fluage ◆ : P_f

Sondage: MPM2009-11

Profondeur : 15.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_N = 70.0$

$P_l = 5.47$	$P_{max} = 4.68$
$P_l(i) = 5.47$	$P_f = 2.80$
$P_l(h) = 4.92$	$P_o = 0.13$
$P_l(pf) = 4.20$	

Légende:

- : $P_l(i)$ - - - : $P_l(h)$
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- o : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

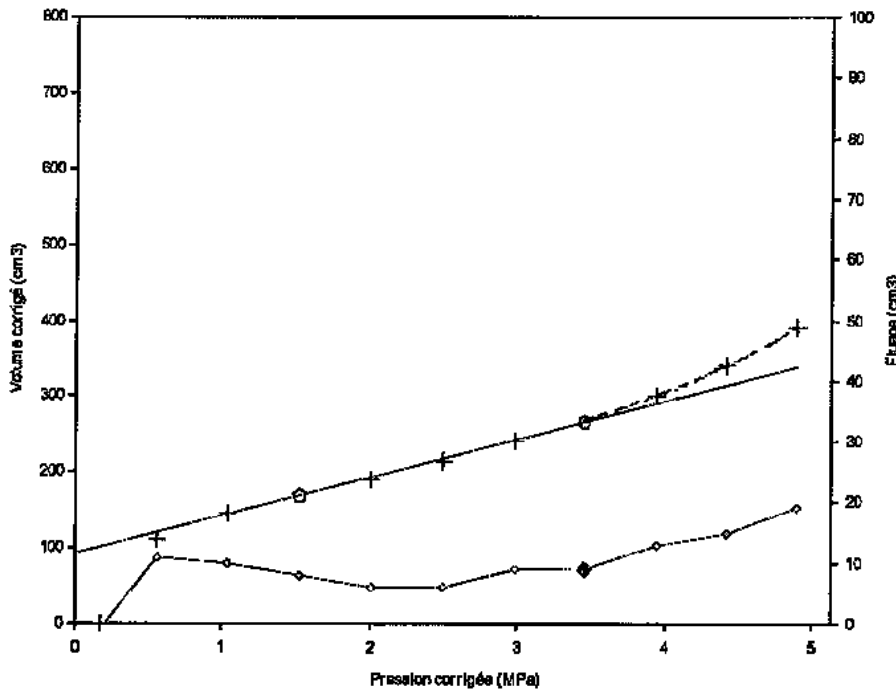
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Programme: W-Pressio
Version : 1.1

Fichier : P7
Dernière mise à jour:
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Sondage: MPM2009-11

Profondeur : 16.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 40.0$

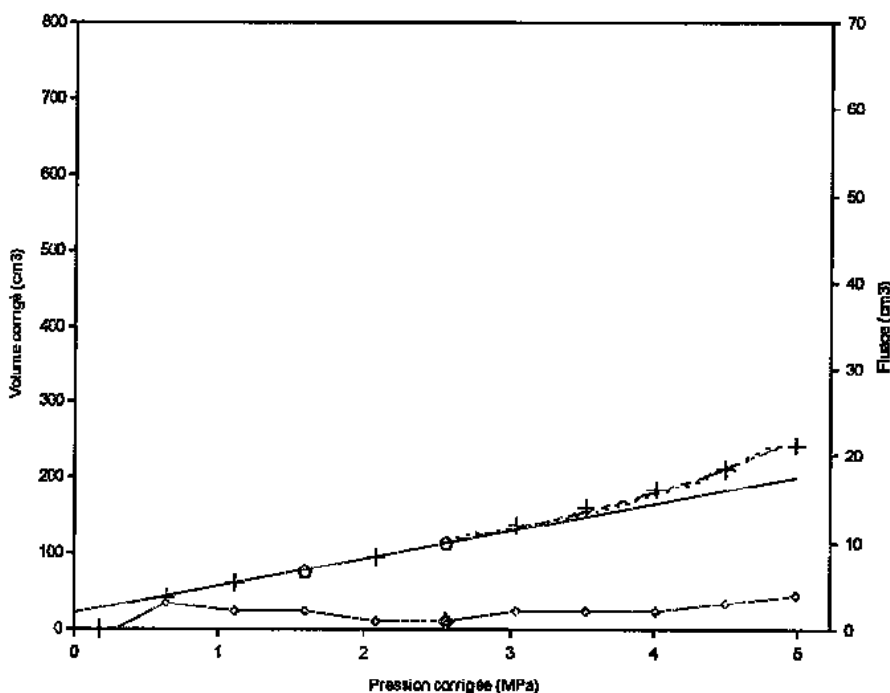
$P_l = 6.62$	$P_{max} = 4.90$
$P_l(i) = 6.62$	$P_f = 3.46$
$P_l(h) = 6.60$	$P_o = 0.14$
$P_l(pf) = 5.19$	

Légende:

--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

Sondage: MPM2009-11

Profondeur : 17.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 46.3$

$P_l = 6.23$	$P_{max} = 4.98$
$P_l(i) = 6.23$	$P_f = 2.57$
$P_l(h) = 6.44$	$P_o = 0.15$
$P_l(pf) = 3.85$	

Légende:

--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

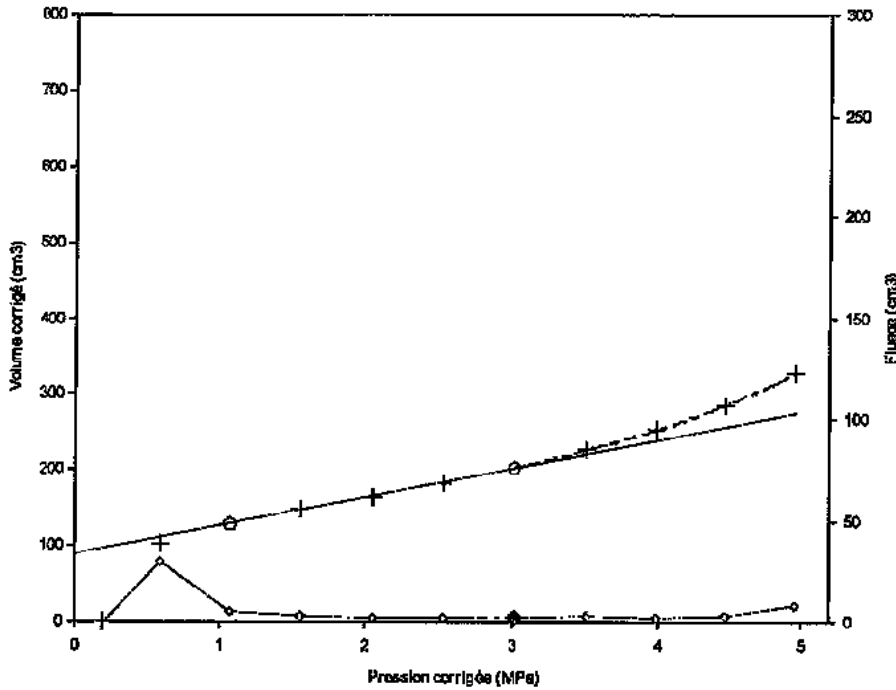
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Programme: W-PRESSIO
Version : 1.1

Fichier : P7
Dernière mise à jour:
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Sondage: MPM2009-11

Profondeur : 18.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.86 cm³/MPa

(valeurs en MPa)

E_M = 50.3

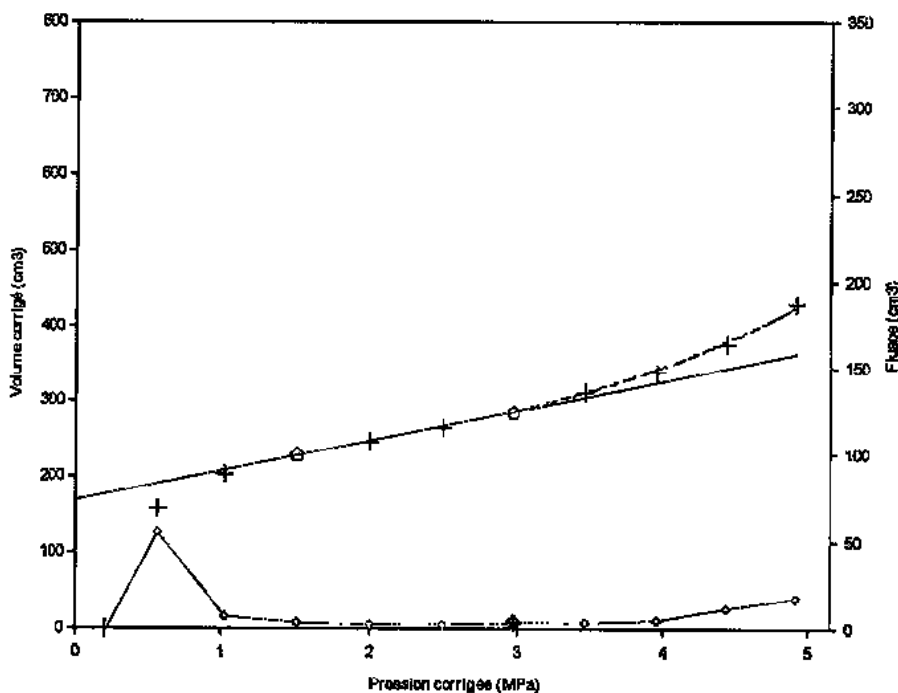
Pl = 6.86	Pmax = 4.95
Pl(i) = 6.86	Pf = 3.02
Pl(h) = 6.66	Po = 0.16
Pl(pf) = 4.53	

Légende:

--- : PL(i) - - - : PL(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ♦ : Pf

Sondage: MPM2009-11

Profondeur : 19.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.86 cm³/MPa

(valeurs en MPa)

E_M = 53.6

Pl = 7.20	Pmax = 4.91
Pl(i) = 7.20	Pf = 2.98
Pl(h) = 6.72	Po = 0.17
Pl(pf) = 4.47	

Légende:

--- : PL(i) - - - : PL(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ♦ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

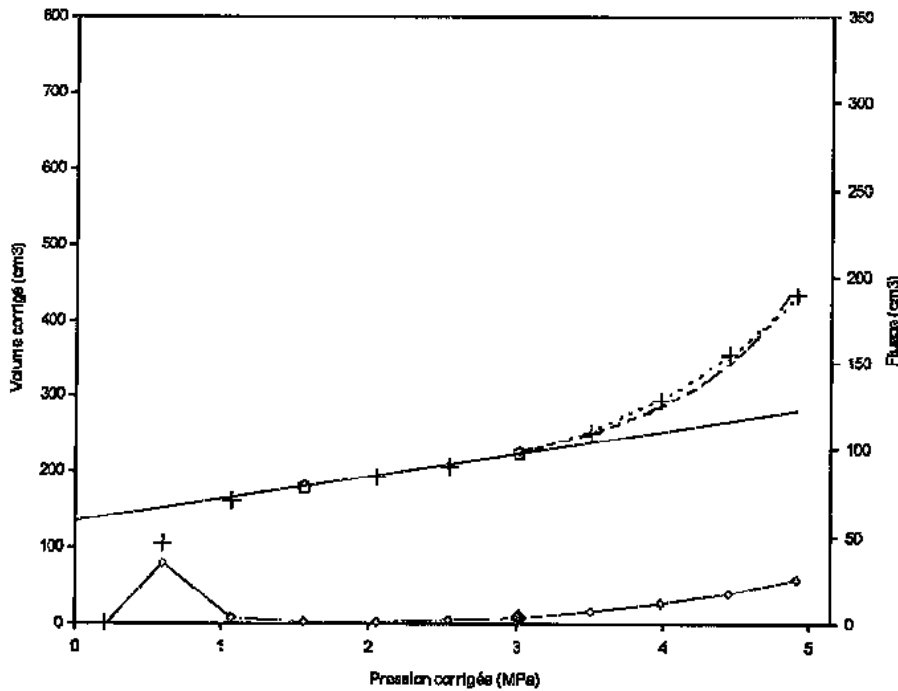
Programme: W-Pressio
Version : 1.1

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Sondage: MPM2009-11

Profondeur : 20.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 66.1$

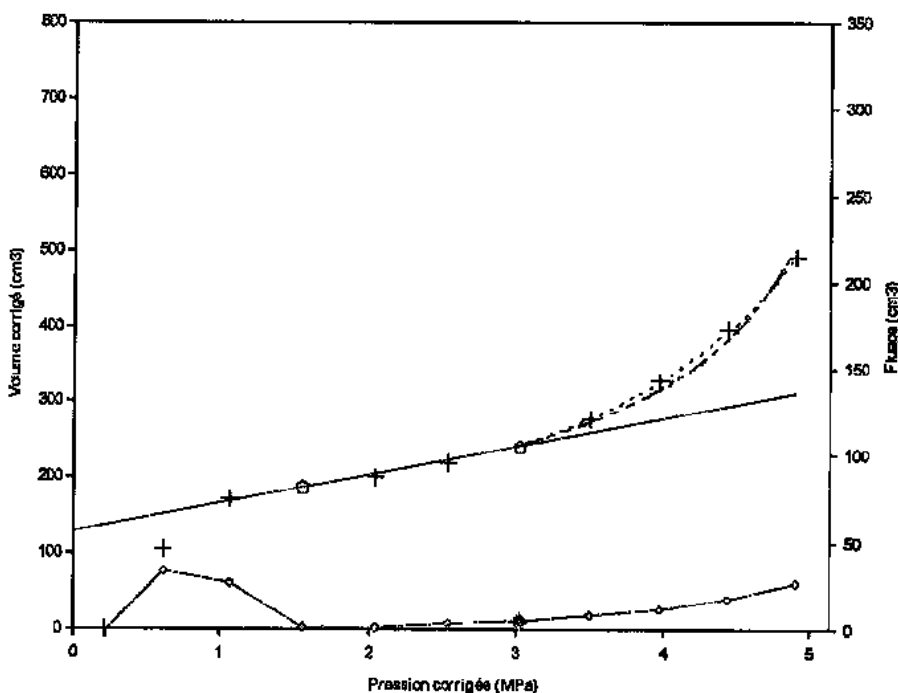
$P_l = 5.96$	$P_{max} = 4.92$
$P_l(i) = 5.96$	$P_f = 3.02$
$P_l(h) = 5.37$	$P_o = 0.18$
$P_l(P_f) = 4.54$	

Légende:

--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ◆ : P_f

Sondage: MPM2009-11

Profondeur : 21.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 53.4$

$P_l = 5.73$	$P_{max} = 4.90$
$P_l(i) = 5.73$	$P_f = 3.02$
$P_l(h) = 5.31$	$P_o = 0.19$
$P_l(P_f) = 4.54$	

Légende:

--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

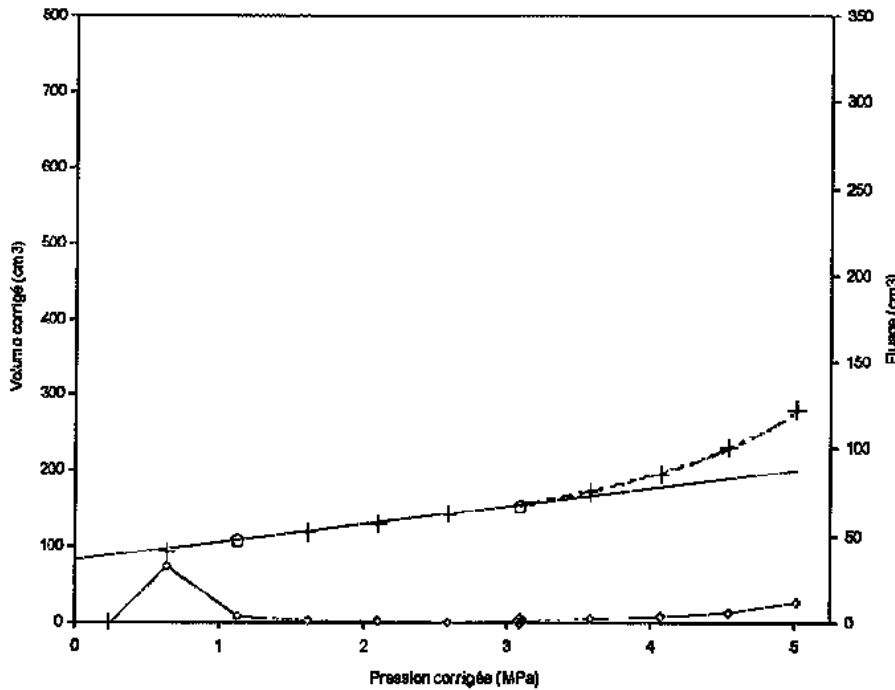
Programme: W-Pressio
Version : 1.1

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Sondage: MPM2009-11

Profondeur : 22.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_k = 75.3$

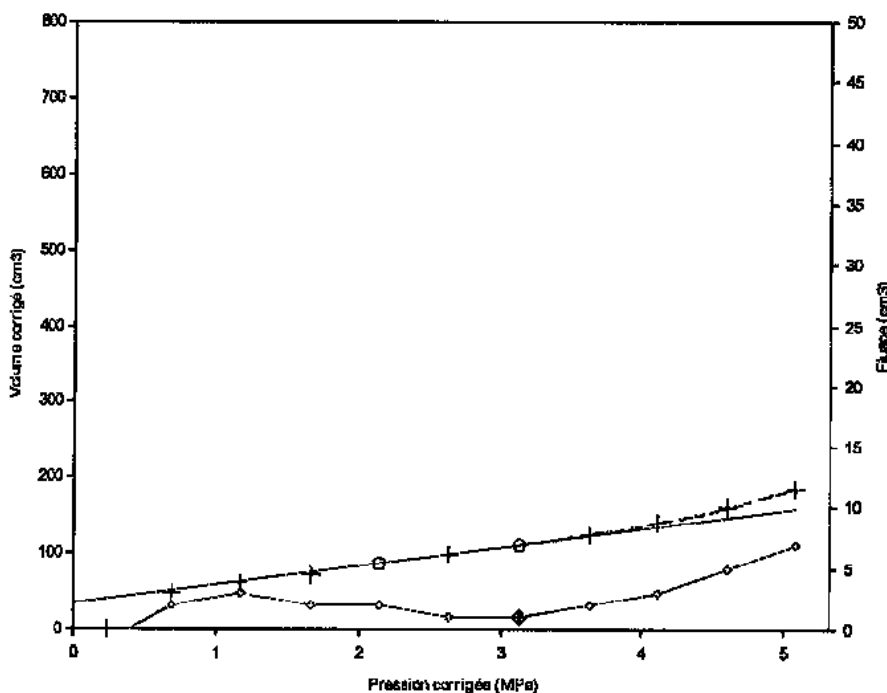
Pl = 6.55	Pmax = 5.01
Pl(i) = 6.55	Pf = 3.09
Pl(h) = 5.95	Po = 0.19
Pl(Pf) = 4.63	

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

Sondage: MPM2009-11

Profondeur : 23.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_k = 68.4$

Pl = 7.22	Pmax = 5.08
Pl(i) = 7.22	Pf = 3.13
Pl(h) = 6.81	Po = 0.20
Pl(Pf) = 4.70	

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- ◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

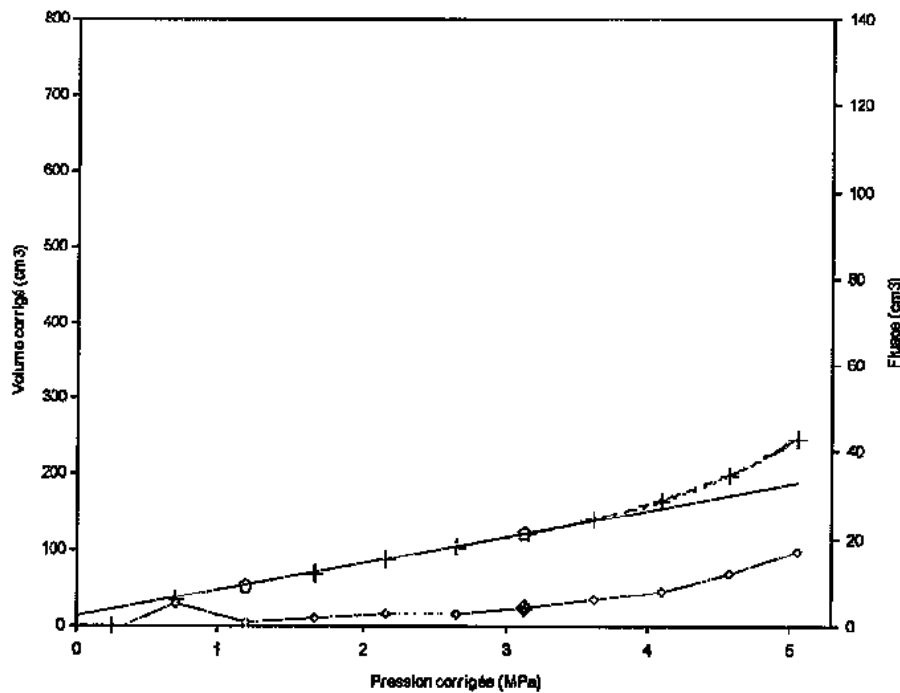
FONDASOL
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Programme: W-Pressio
Version ; 1.1

Fichier : P7
Dernière mise à jour:
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Sondage: MPM2009-11

Profondeur : 24.00 m



K_0 (estimé):
Masse vol. sol (γ/m^3): 2.5 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 47.8$

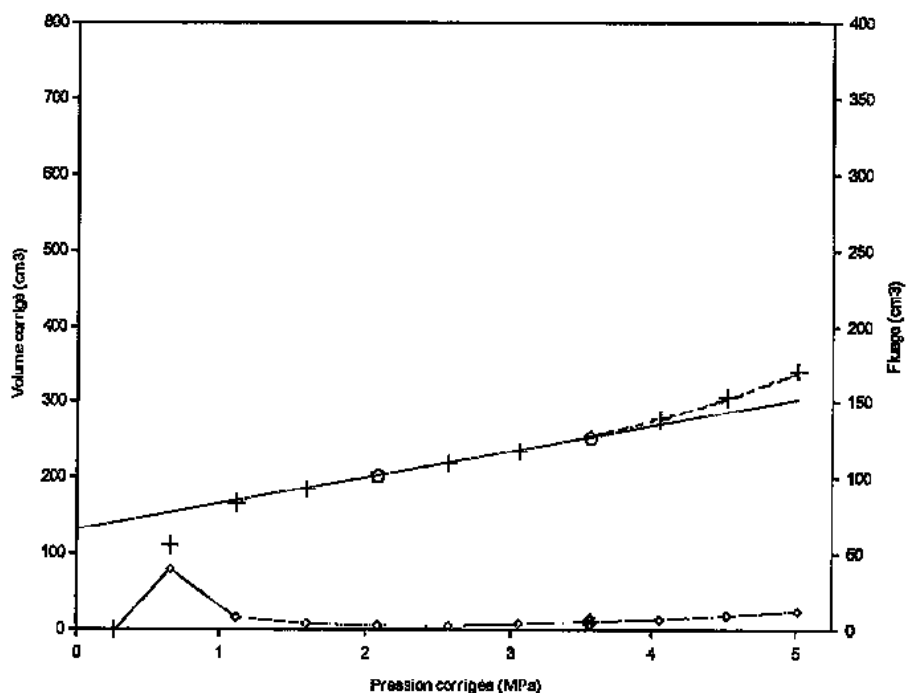
$P_l = 6.15$	$P_{max} = 5.05$
$P_l(i) = 6.15$	$P_f = 3.13$
$P_l(h) = 6.06$	$P_o = 0.21$
$P_l(P_f) = 4.70$	

Légende:

--- : $P_l(i)$ --- : $P_l(h)$
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

Sondage: MPM2009-11

Profondeur : 25.00 m



K_0 (estimé):
Masse vol. sol (γ/m^3): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 58.9$

$P_l = 7.76$	$P_{max} = 5.01$
$P_l(i) = 7.76$	$P_f = 3.56$
$P_l(h) = 7.23$	$P_o = 0.22$
$P_l(P_f) = 5.34$	

Légende:

--- : $P_l(i)$ --- : $P_l(h)$
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

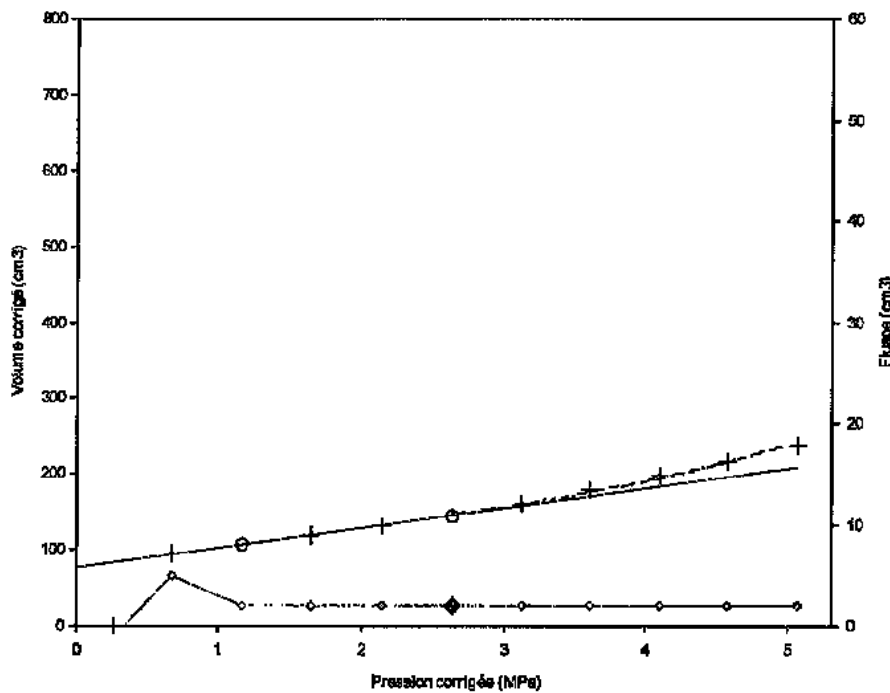
Programme: W-Pressio
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Dernière mise à jour:
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Sondage: MPM2009-11

Profondeur : 26.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_x = 68.6$

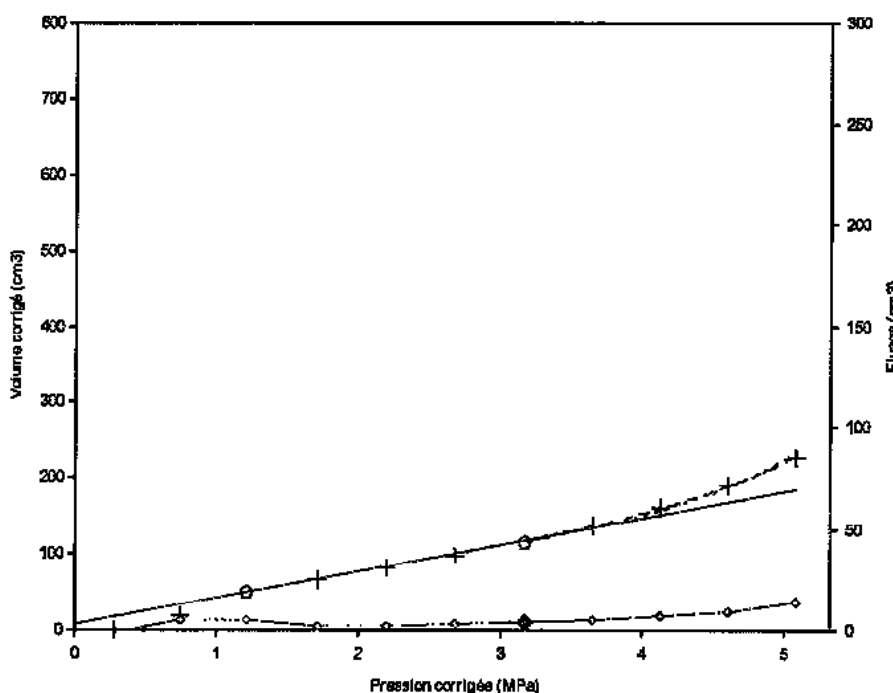
$P_l = 7.58$	$P_{max} = 5.08$
$P_l(i) = 7.58$	$P_f = 2.63$
$P_l(h) = 7.51$	$P_o = 0.23$
$P_l(pf) = 3.95$	

Légende:

--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
⊞ : extrémité de la phase linéaire
o : fluage ◆ : P_f

Sondage: MPM2009-11

Profondeur : 27.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_x = 47.5$

$P_l = 6.40$	$P_{max} = 5.09$
$P_l(i) = 6.40$	$P_f = 3.16$
$P_l(h) = 6.35$	$P_o = 0.24$
$P_l(pf) = 4.75$	

Légende:

--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
⊞ : extrémité de la phase linéaire
o : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

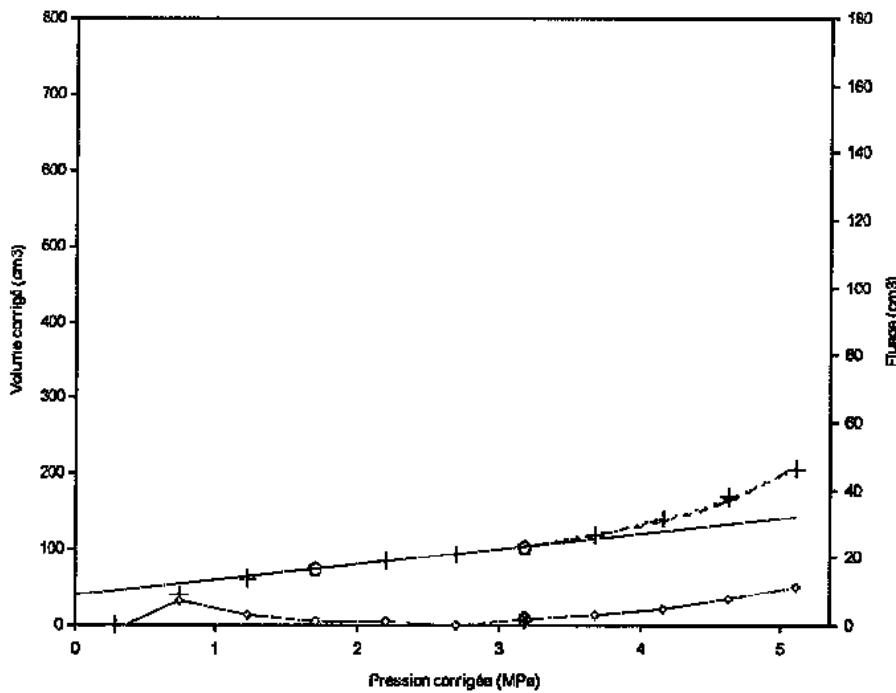
Programme: W-Pressio
Version : 1.1

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Fichier : P7
Dernière mise à jour:
06/10/2010 10:58:37

Sondage: MPM2009-11

Profondeur : 28.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 82.3$

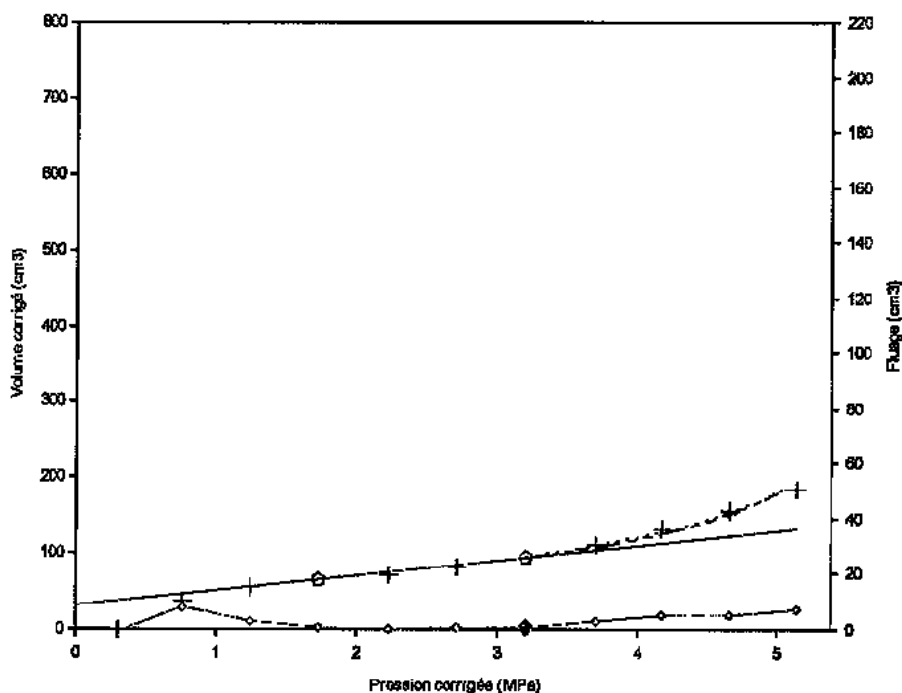
$P_1 = 6.45$	$P_{max} = 5.11$
$P_1(i) = 6.45$	$P_f = 3.18$
$P_1(h) = 5.84$	$P_o = 0.25$
$P_1(P_f) = 4.78$	

Légende:

--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ♦ : P_f

Sondage: MPM2009-11

Profondeur : 29.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 84.0$

$P_1 = 6.51$	$P_{max} = 5.14$
$P_1(i) = 6.51$	$P_f = 3.20$
$P_1(h) = 5.87$	$P_o = 0.26$
$P_1(P_f) = 4.80$	

Légende:

--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ♦ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

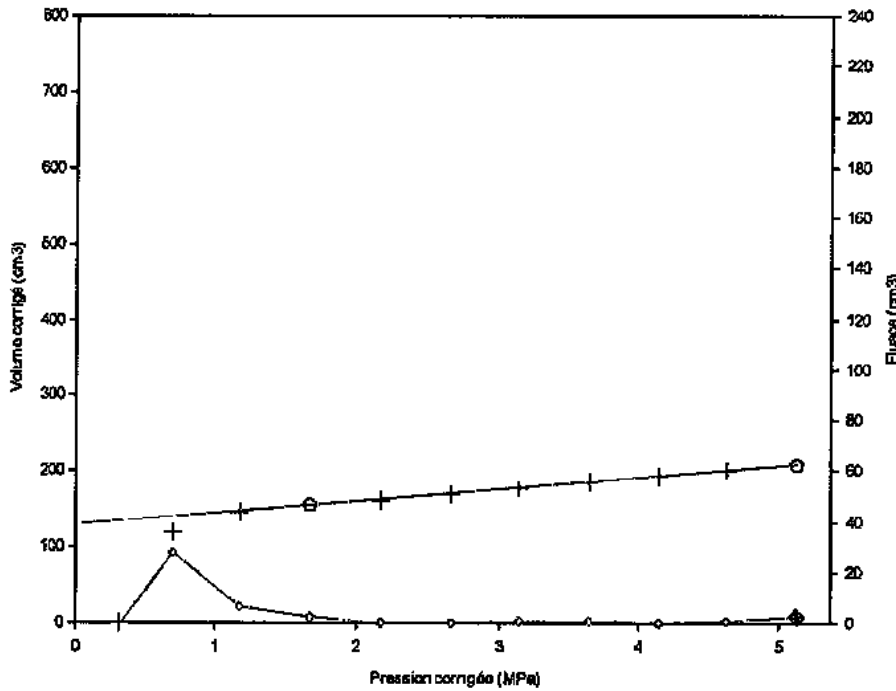
FONDASOL
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BP 765
84140 MONTFAVET

Programme: W-PRASSIO
Version : 1.1

Fichier : P7
Dernière mise à jour:
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Sondage: MPM2009-11

Profondeur : 30.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 120.1$

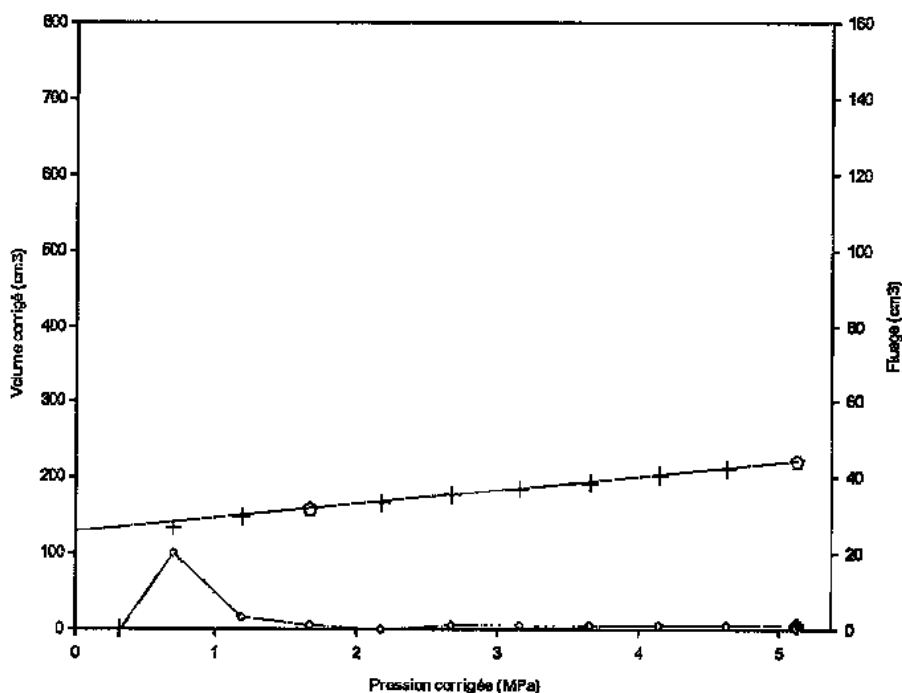
Pl > 5.13 | Pmax = 5.13
Pf > 5.13
Po = 0.26
Pl (pf) > 7.70

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM2009-11

Profondeur : 31.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 107.6$

Pl > 5.13 | Pmax = 5.13
Pf > 5.13
Po = 0.27
Pl (pf) > 7.70

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

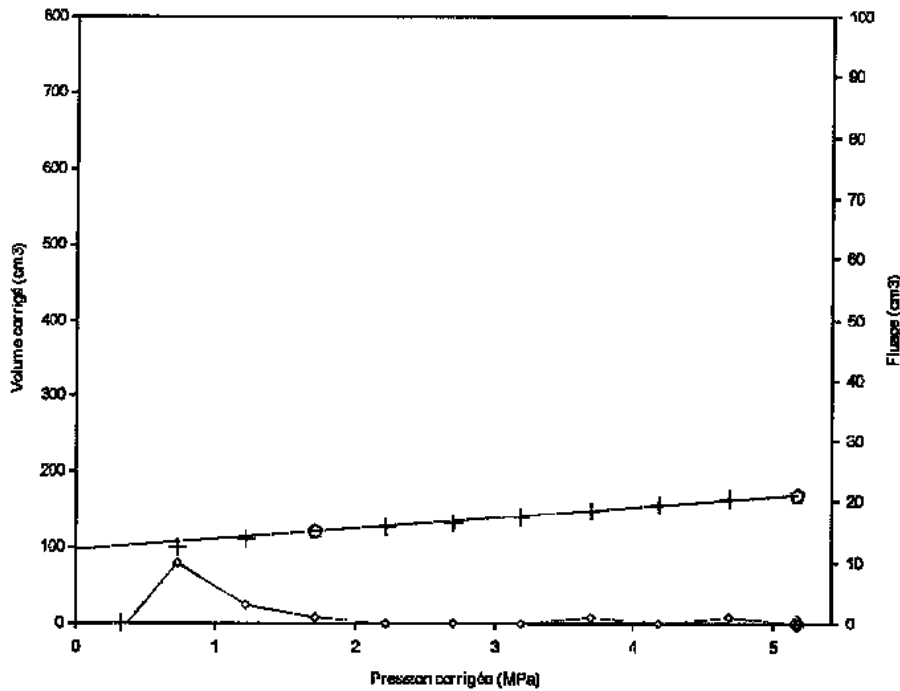
FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P7
Dernière mise à jour:
06/10/2010 10:58:37

Sondage: MPM2009-11

Profondeur : 32.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 127.9$

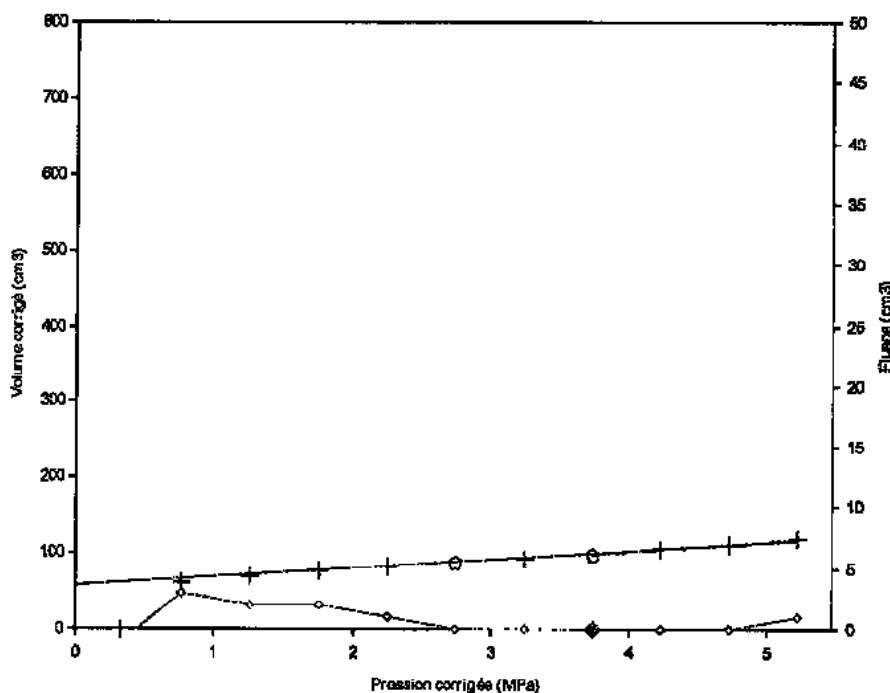
$P_l > 5.18$	$P_{max} = 5.18$
	$P_f > 5.18$
	$P_o = 0.28$
$P_l (Pf) > 7.76$	

Légende:

--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

Sondage: MPM2009-11

Profondeur : 33.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 148.6$

$P_l = 11.88$	$P_{max} = 5.22$
$P_l(i) = 11.88$	$P_f = 3.74$
$P_l(h) = 11.73$	$P_o = 0.29$
$P_l (Pf) = 5.60$	

Légende:

--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
⊠ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

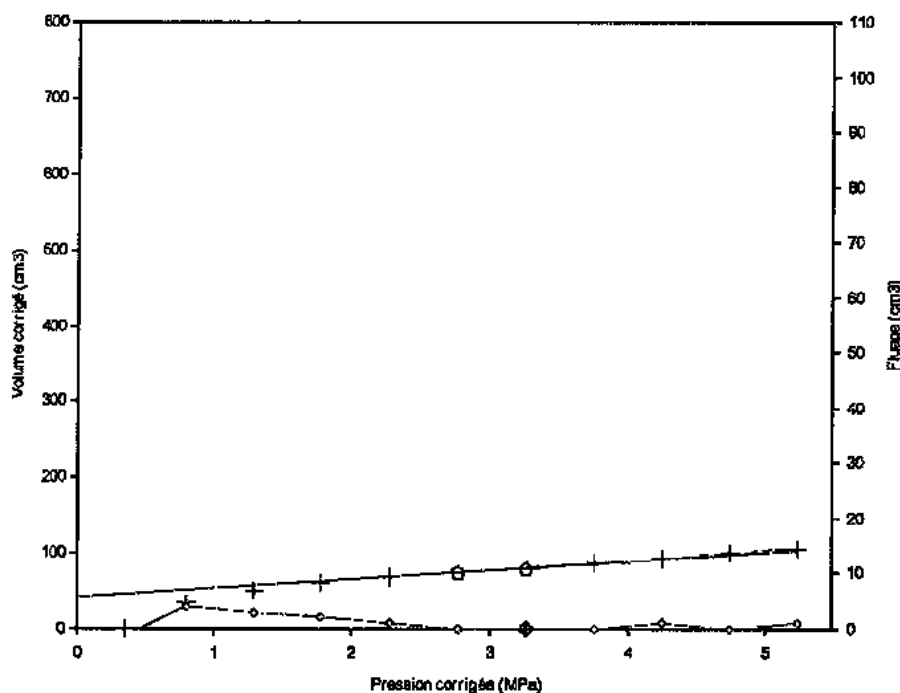
FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P7
Dernière mise à jour:
06/10/2010 10:58:37

Sondage: MPM2009-11

Profondeur : 34.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 144.5$

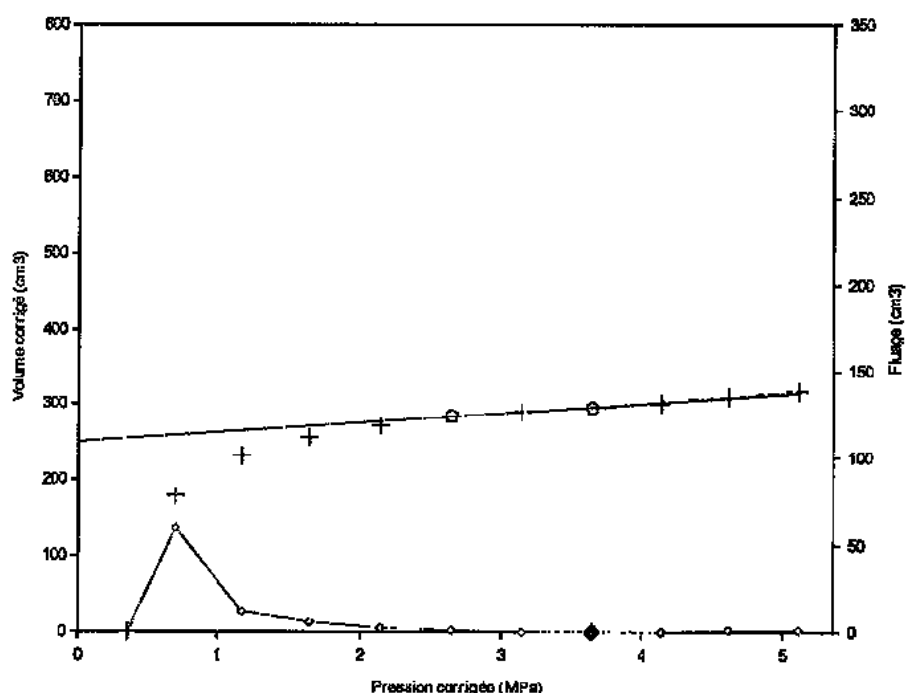
Pl = 10.09	Pmax = 5.24
Pl(i) = 10.09	Pf = 3.26
Pl(h) = 10.29	Po = 0.30
Pl(pf) = 4.89	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
o : fluage ◊ : Pf

Sondage: MPM2009-11

Profondeur : 35.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 179.4$

Pl = 19.58	Pmax = 5.12
Pl(i) = 19.58	Pf = 3.63
Pl(h) = 9.62	Po = 0.31
Pl(pf) = 5.45	

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
o : fluage ◊ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

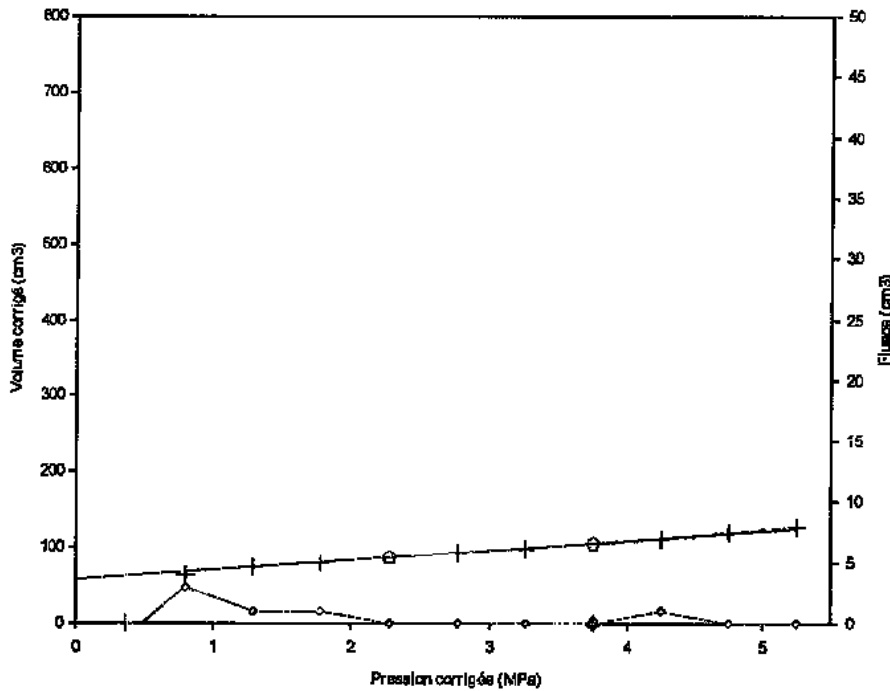
FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P7
Dernière mise à jour:
06/10/2010 10:58:37

Sondage: MPM2009-11

Profondeur : 36.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.86 cm³/MPa

(valeurs en MPa)

E_M = 133.0

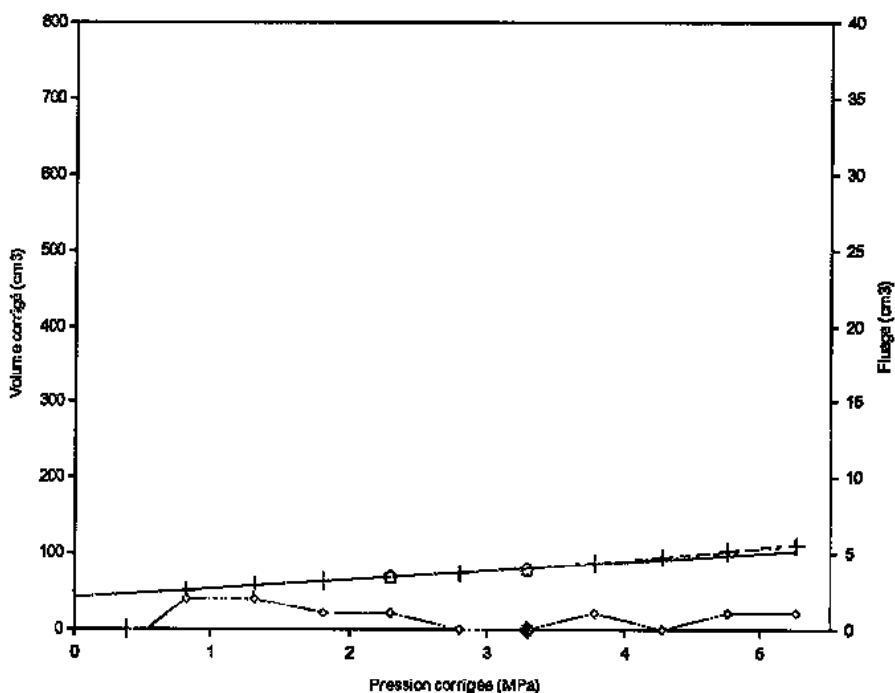
Pl = 11.09	Pmax = 5.24
Pl(i) = 11.09	Pf = 3.76
Pl(h) = 10.72	Po = 0.32
Pl(Pf) = 5.64	

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- : fluage ◆ : Pf

Sondage: MPM2009-11

Profondeur : 37.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
a = 0.86 cm³/MPa

(valeurs en MPa)

E_M = 144.1

Pl = 9.60	Pmax = 5.27
Pl(i) = 9.60	Pf = 3.29
Pl(h) = 8.63	Po = 0.33
Pl(Pf) = 4.94	

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- ⊠ : extrémité de la phase linéaire
- : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

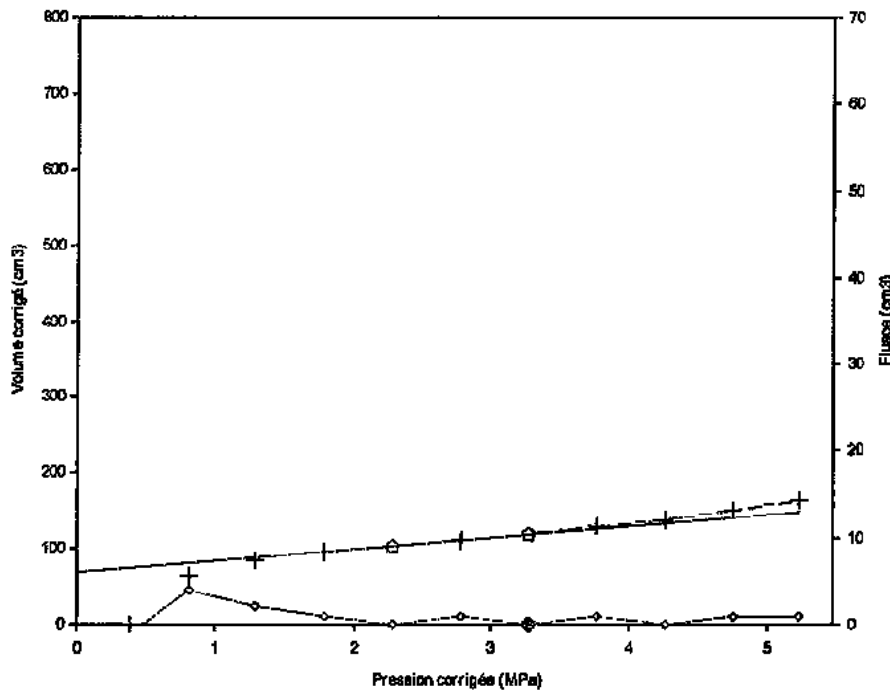
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P7
Dernière mise à jour:
06/10/2010 10:58:37

Sondage: MPM2009-11

Profondeur : 38.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 112.1$

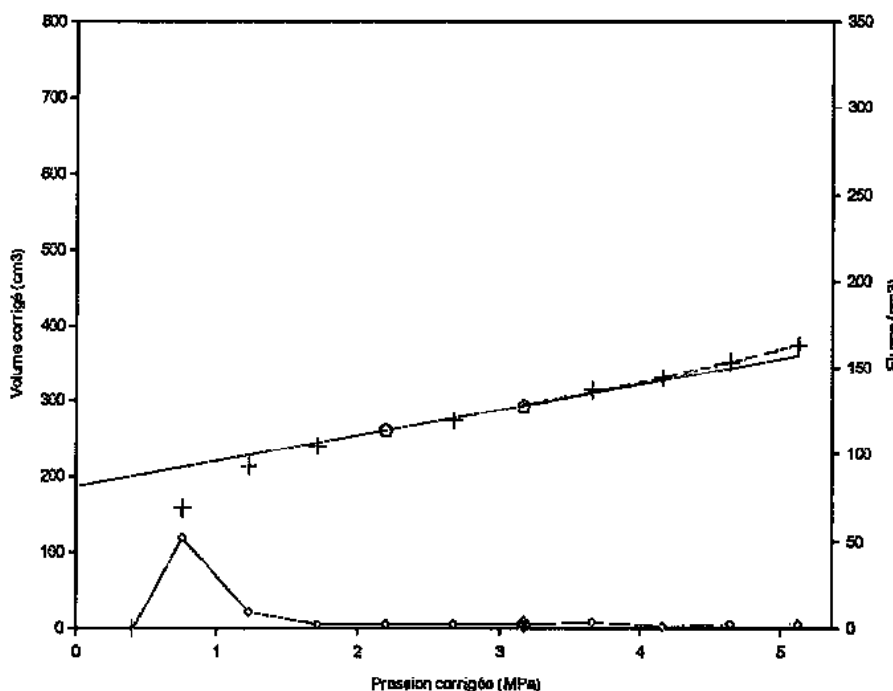
PL = 9.38	Pmax = 5.24
PL(i) = 9.38	Pf = 3.27
PL(h) = 8.24	Po = 0.34
PL(pf) = 4.91	

Légende:

- : PL(i)
- : PL(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- o : PF

Sondage: MPM2009-11

Profondeur : 39.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 63.9$

PL = 9.88	Pmax = 5.13
PL(i) = 9.88	Pf = 3.17
PL(h) = 10.08	Po = 0.34
PL(pf) = 4.76	

Légende:

- : PL(i)
- : PL(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage
- o : PF

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

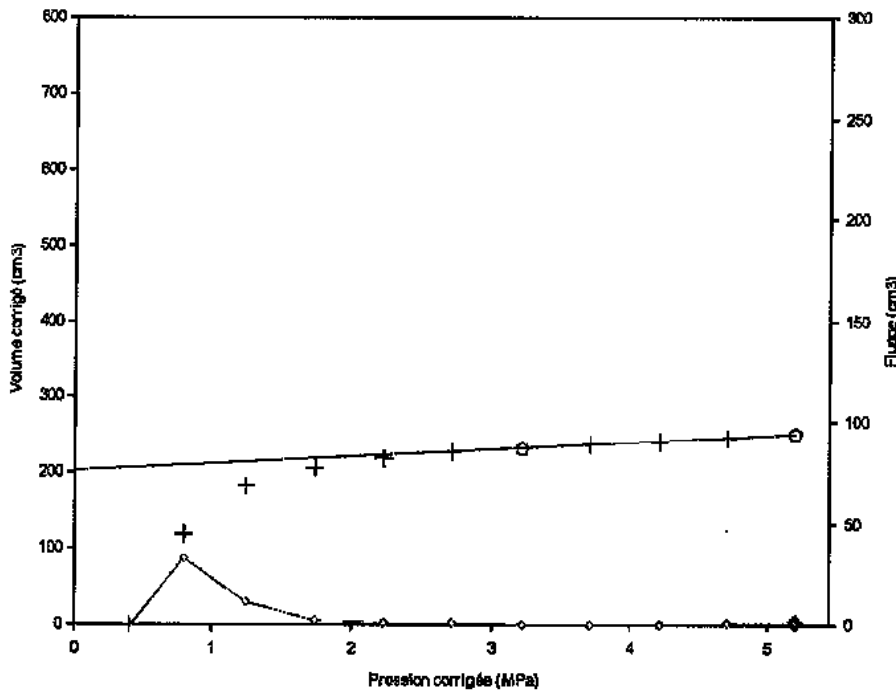
FONDASOL
290 rue des Galoubets
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84140 MONTFAVET

Programme: W-PRASSIO
Version : 1.1

Fichier : P7
Dernière mise à jour:
06/10/2010 10:58:37

Sondage: MPM2009-11

Profondeur : 40.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_K = 224.9$

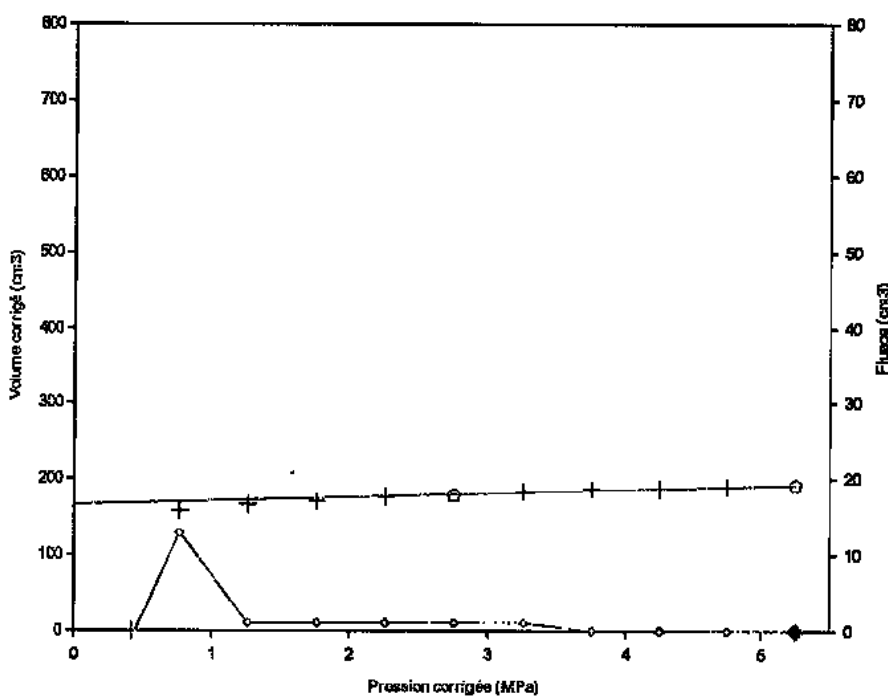
Pl > 5.20 | Pmax = 5.20
Pf > 5.20
Po = 0.35
Pl (Pf) > 7.81

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
◊ : fluage ◊ : Pf

Sondage: MPM2009-11

Profondeur : 41.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_K = 372.2$

Pl > 5.25 | Pmax = 5.25
Pf > 5.25
Po = 0.36
Pl (Pf) > 7.87

Légende:

--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
◊ : extrémité de la phase linéaire
◊ : fluage ◊ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

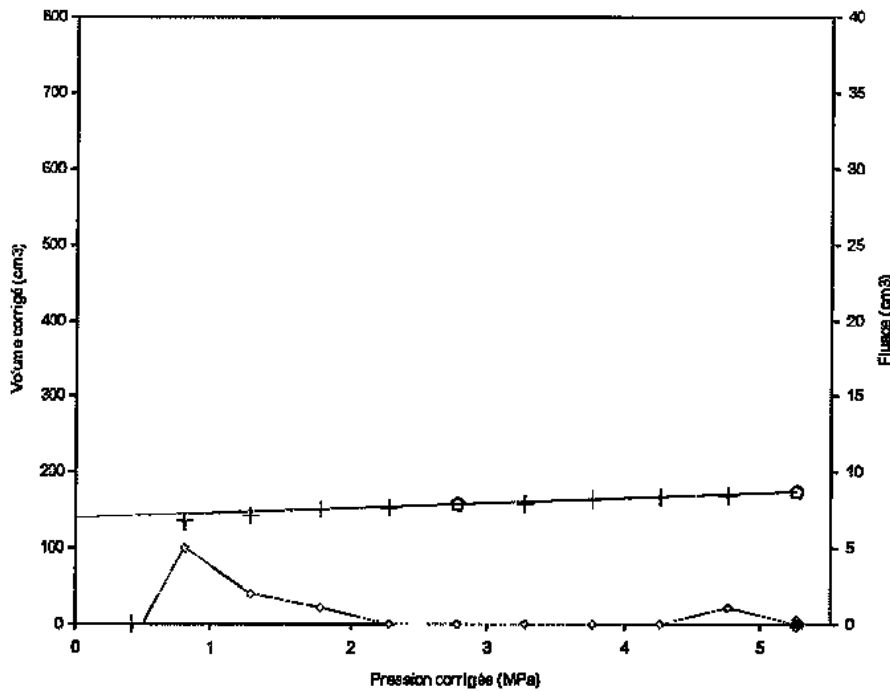
Programme: W-Pressio
Version : 1.1

FONDASOL
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BP 765
84140 MONTFAVET

Fichier : P7
Dernière mise à jour:
06/10/2010 10:58:37

Sondage: MPM2009-11

Profondeur : 42.00 m



K_0 (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcés
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 292.5$

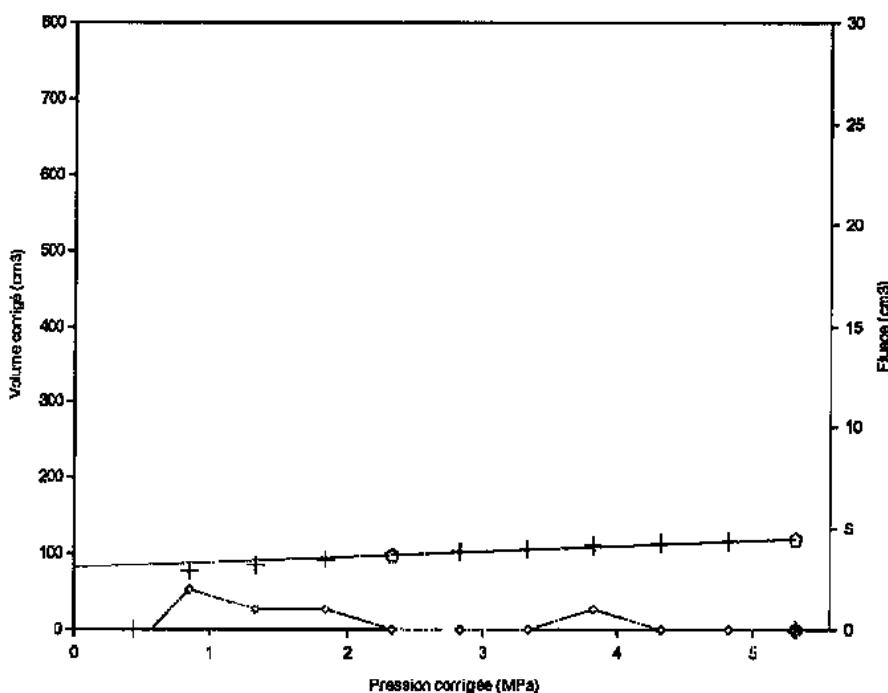
$P_l > 5.27$ | $P_{max} = 5.27$
 $P_f > 5.27$ | $P_o = 0.37$
 $P_l (P_f) > 7.91$

Légende:

--- : $P_l(i)$ --- : $P_l(h)$
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM2009-11

Profondeur : 43.00 m



K_0 (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 238.4$

$P_l > 5.32$ | $P_{max} = 5.32$
 $P_f > 5.32$ | $P_o = 0.38$
 $P_l (P_f) > 7.98$

Légende:

--- : $P_l(i)$ --- : $P_l(h)$
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

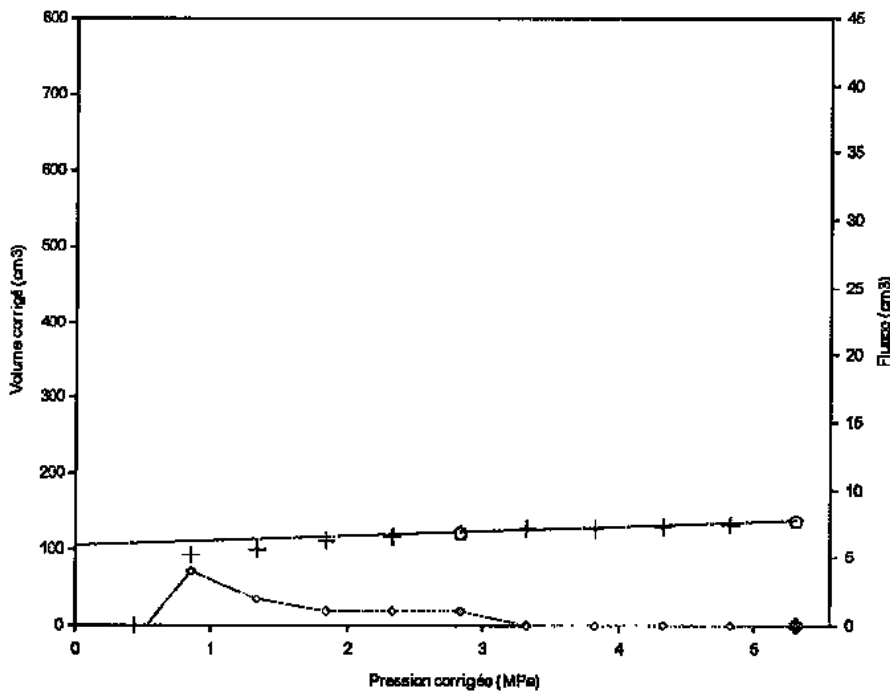
FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P7
Dernière mise à jour:
06/10/2010 10:58:37

Sondage: MPM2009-11

Profondeur : 44.00 m



E_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 295.9$

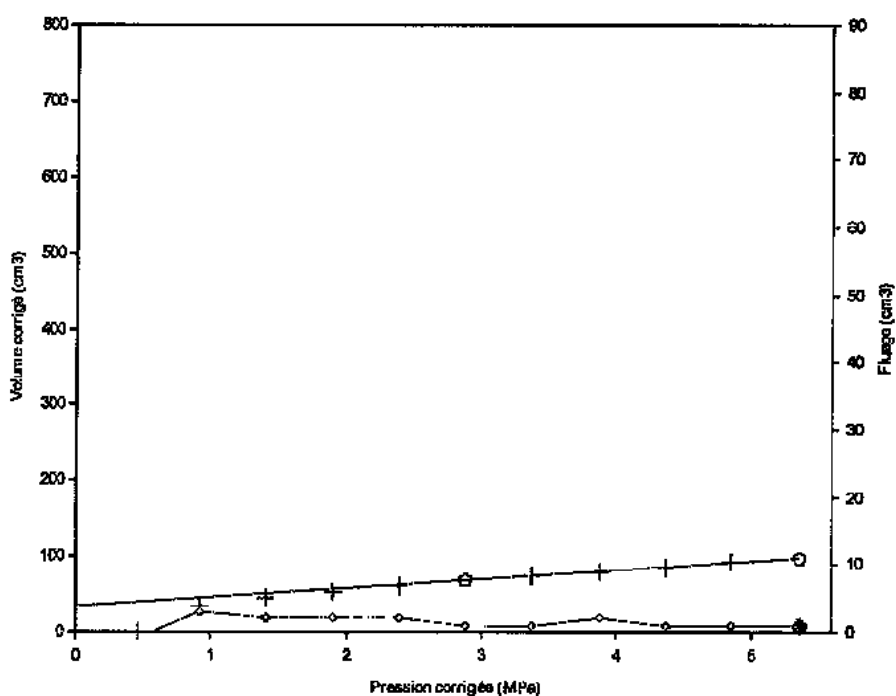
$P_1 > 5.32$ | $P_{max} = 5.32$
 $P_f > 5.32$ | $P_o = 0.39$
 $P_1(P_f) > 7.97$

Légende:

--- : $P_1(i)$ --- : $P_1(h)$
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

Sondage: MPM2009-11

Profondeur : 45.00 m



E_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 140.8$

$P_1 > 5.36$ | $P_{max} = 5.36$
 $P_f > 5.36$ | $P_o = 0.40$
 $P_1(P_f) > 8.03$

Légende:

--- : $P_1(i)$ --- : $P_1(h)$
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

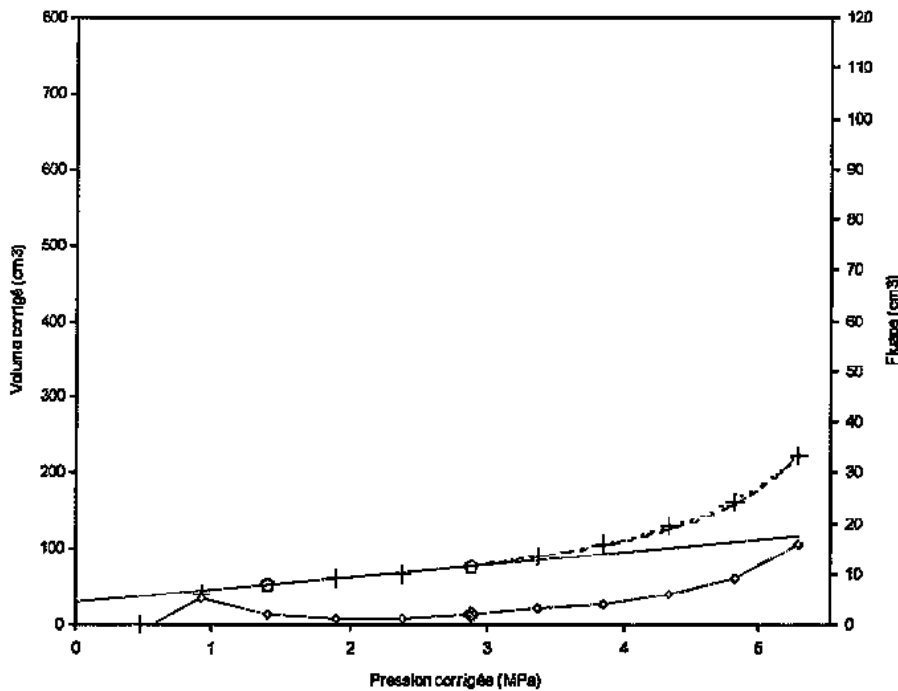
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P7
Dernière mise à jour:
06/10/2010 10:58:37

Sondage: MPM2009-11

Profondeur : 46.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1

Sonde: STANDARD

Gaine: Toilée renforcée

$a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 95.3$

Pl = 6.14 | Pmax = 5.28

Pl(i) = 6.14 | Pf = 2.88

Pl(h) = 5.73 | Po = 0.41

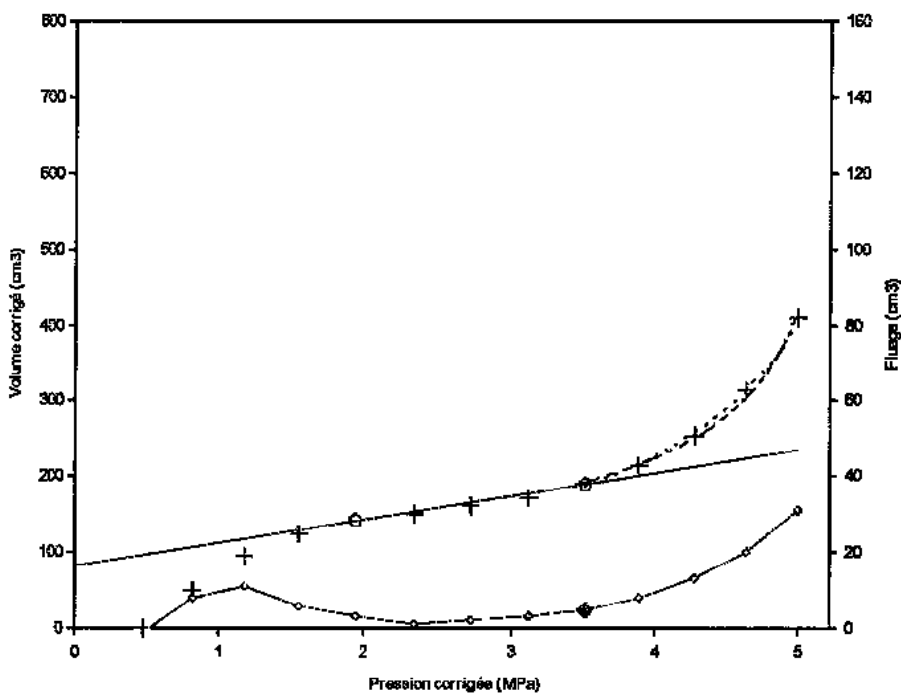
Pl(pf) = 4.32

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- O : extrémité de la phase linéaire
- o : fluage ◆ : pf

Sondage: MPM2009-11

Profondeur : 47.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1

Sonde: STANDARD

Gaine: Toilée renforcée

$a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 61.3$

Pl = 5.65 | Pmax = 4.99

Pl(i) = 5.65 | Pf = 3.51

Pl(h) = 5.29 | Po = 0.41

Pl(pf) = 5.27

Légende:

- : Pl(i) - - - : Pl(h)
- + : point de mesure
- x : point non pris en compte
- O : extrémité de la phase linéaire
- o : fluage ◆ : pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS - SIZEWELL B

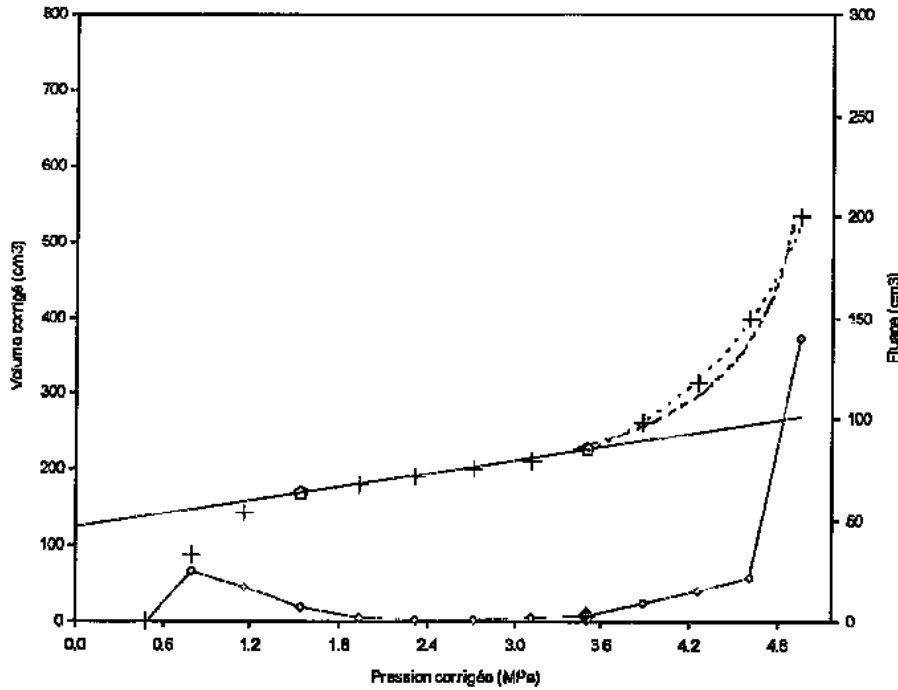
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P7
Dernière mise à jour:
06/10/2010 10:58:37

Sondage: MPM2009-11

Profondeur : 48.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 1
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 0.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_x = 65.7$

$P_l = 5.42$	$P_{max} = 4.95$
$P_l(i) = 5.42$	$P_f = 3.50$
$P_l(h) = 5.08$	$P_o = 0.42$
$P_l(pf) = 5.25$	

Légende:

--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

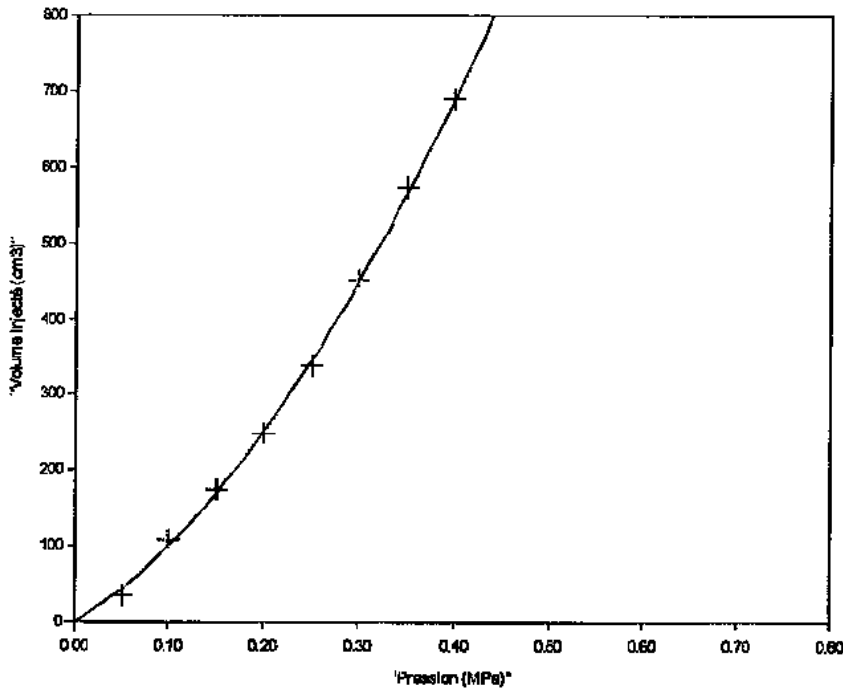
Affaire: SOIL MECHANICS - SIZEWELL B

Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galubets
BP 765
84140 MONTFAVET

Fichier : P7
Dernière mise à jour:
06/10/2010 10:58:37

ETALONNAGE N° 1



Type sonde :
STANDARD

Gaine:
Toilée renforcée

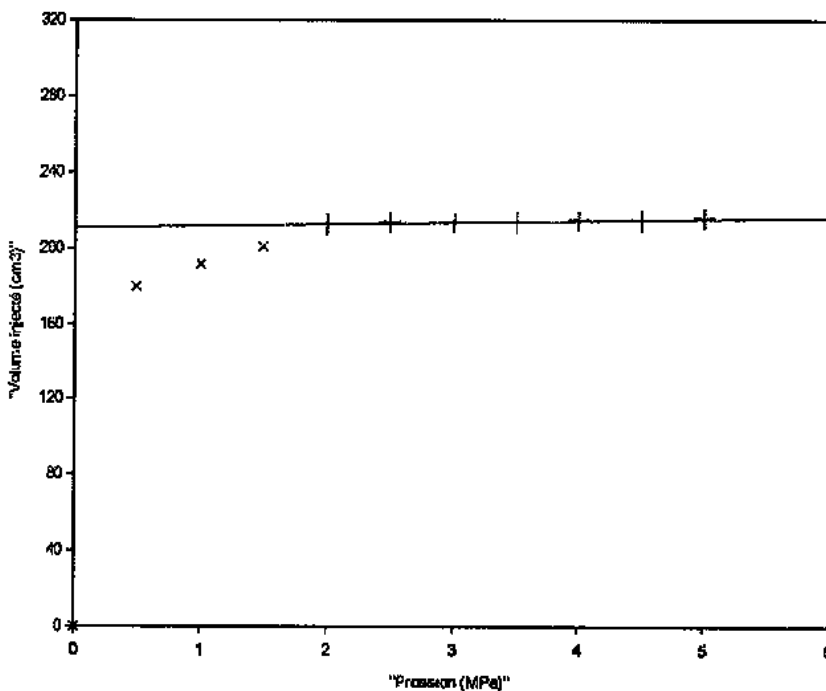
Vs = 535 cm³

Conforme à la norme
NFP 94-110-1

Légende:

• : point de mesure
x : point non pris en compte

CALIBRAGE N° 1



Type sonde :
STANDARD

Gaine:
Toilée renforcée

Vs = 535 cm³

Coef. de compressibilité:
a = 0.86 cm³/MPa

Conforme à la norme
NFP 94-110-1

Légende:

- : point de mesure
x : point non pris en compte

Affaire: SOIL MECHANICS SIZEWELL B, LEISTON IP16

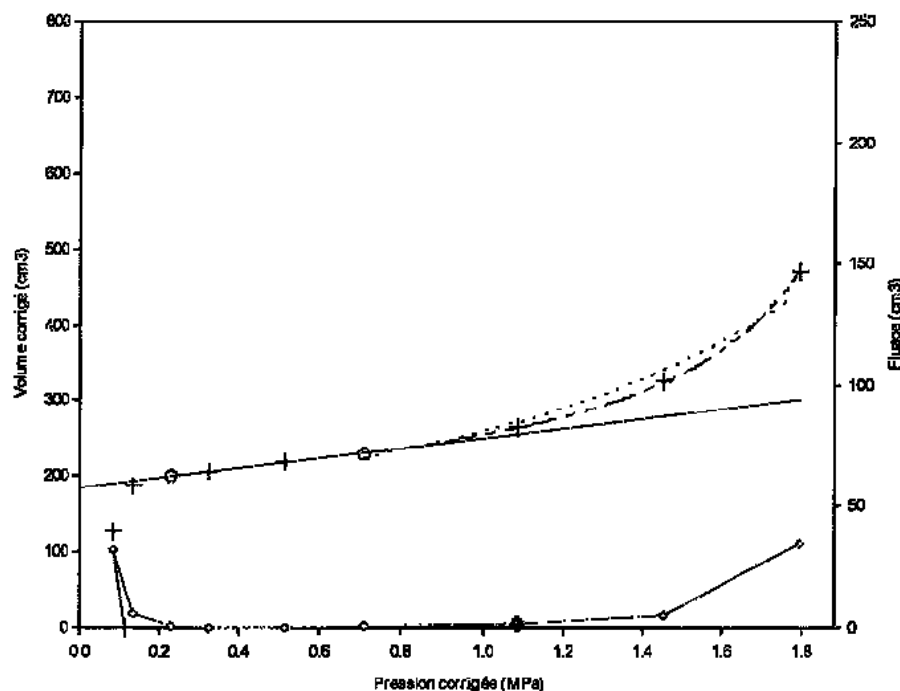
FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Programme: W-Pressio
Version : 1.1

Fichier : P4
Dernière mise à jour:
21/09/2010 14:06:47

Sondage: MPM 2009-12

Profondeur : 10.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

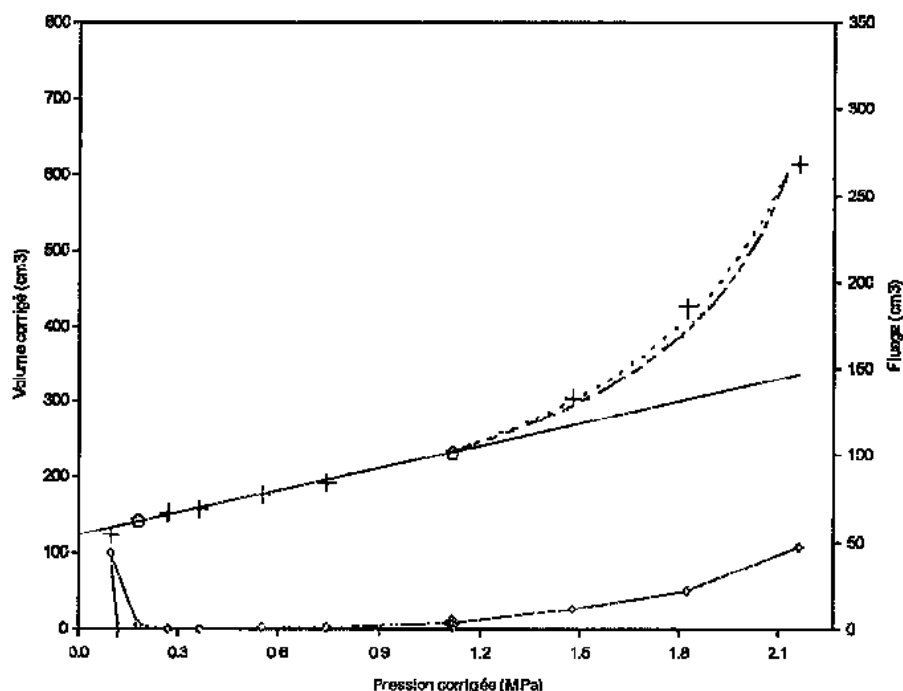
N° de l'inertie: 9
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)
E_M = 30.8
P_l = 2.40 | P_{max} = 1.79
P_{l(i)} = 2.40 | P_f = 1.09
P_{l(h)} = 2.00 | P_o = 0.09
P_{l(pf)} = 1.63

Légende:
--- : P_{l(i)} - - - : P_{l(h)}
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

Sondage: MPM 2009-12

Profondeur : 11.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 2.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)
E_M = 19.7
P_l = 2.30 | P_{max} = 2.16
P_{l(i)} = 2.30 | P_f = 1.12
P_{l(h)} = 2.24 | P_o = 0.10
P_{l(pf)} = 1.67

Légende:
--- : P_{l(i)} - - - : P_{l(h)}
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS SIZEWELL B, LEISTON IP16

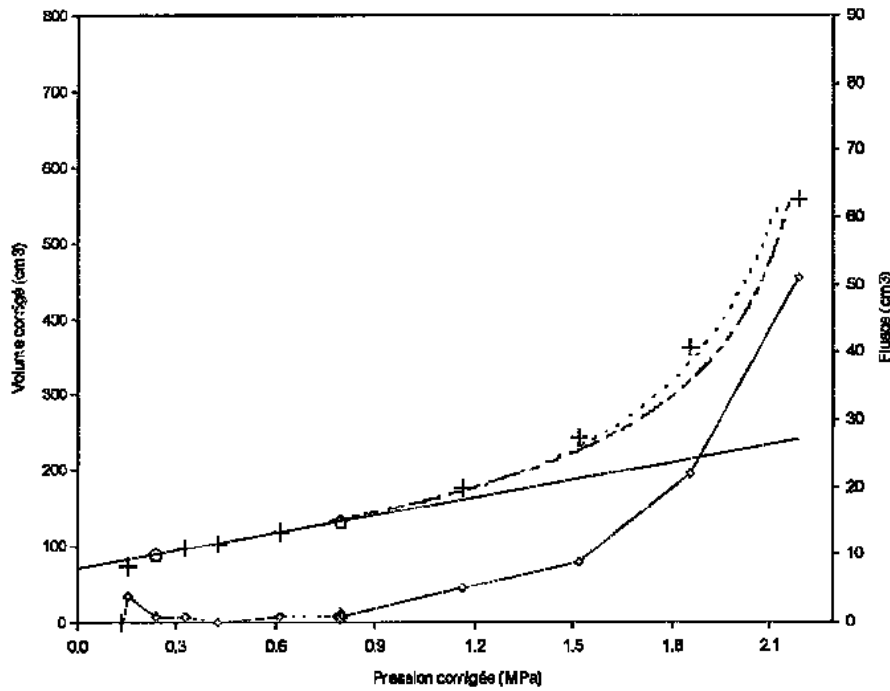
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P4
Dernière mise à jour:
21/09/2010 14:06:47

Sondage: MPM 2009-12

Profondeur : 12.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur de pressiomètre: 1.50 m

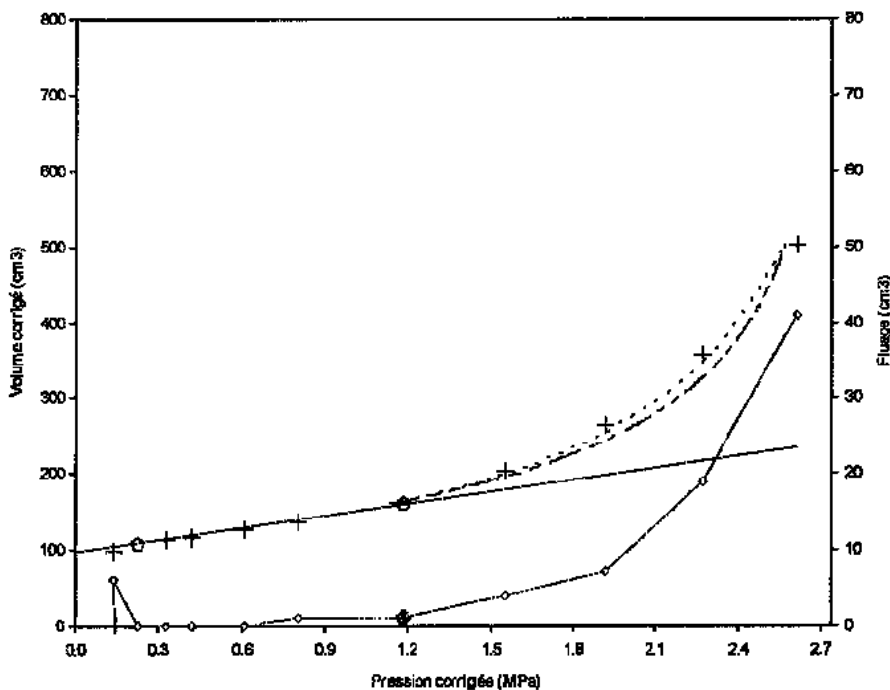
N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)
E_M = 21.9
P1 = 2.23 | Pmax = 2.18
P1(i) = 2.23 | Pf = 0.80
P1(h) = 2.22 | Po = 0.11
P1(pf) = 1.20

Légende:
--- : P1(i) -.- : P1(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ♦ : P1

Sondage: MPM 2009-12

Profondeur : 13.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur de pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)
E_M = 33.3
P1 = 2.71 | Pmax = 2.61
P1(i) = 2.78 | Pf = 1.18
P1(h) = 2.71 | Po = 0.11
P1(pf) = 1.78

Légende:
--- : P1(i) -.- : P1(h)
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage ♦ : P1

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS SIZEWELL B, LEISTON IP16

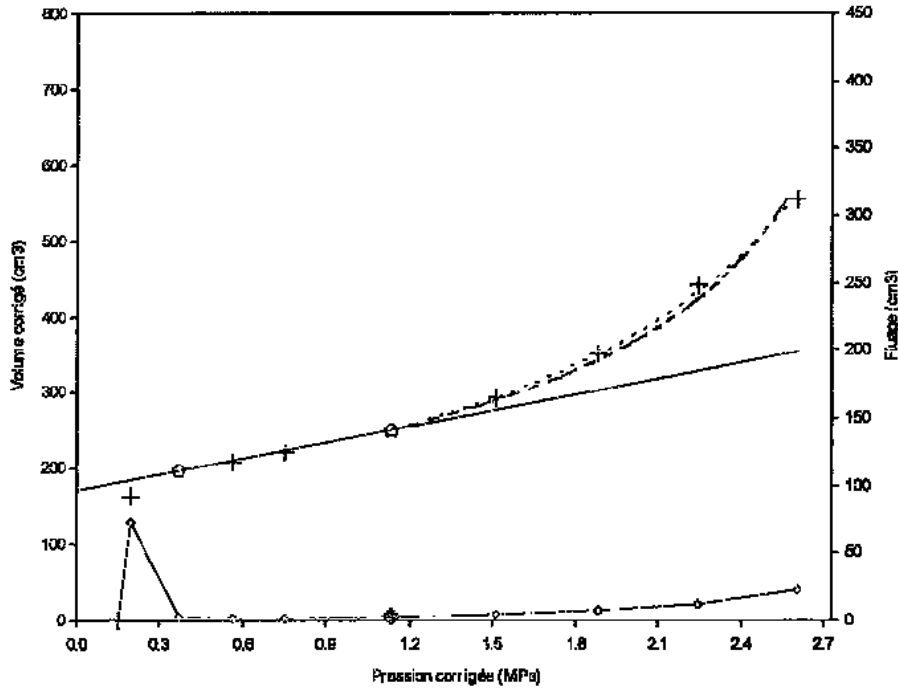
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BF 765
84140 MONTFAVET

Fichier : P4
Dernière mise à jour:
21/09/2010 14:06:47

Sondage: MPM 2009-12

Profondeur : 14.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

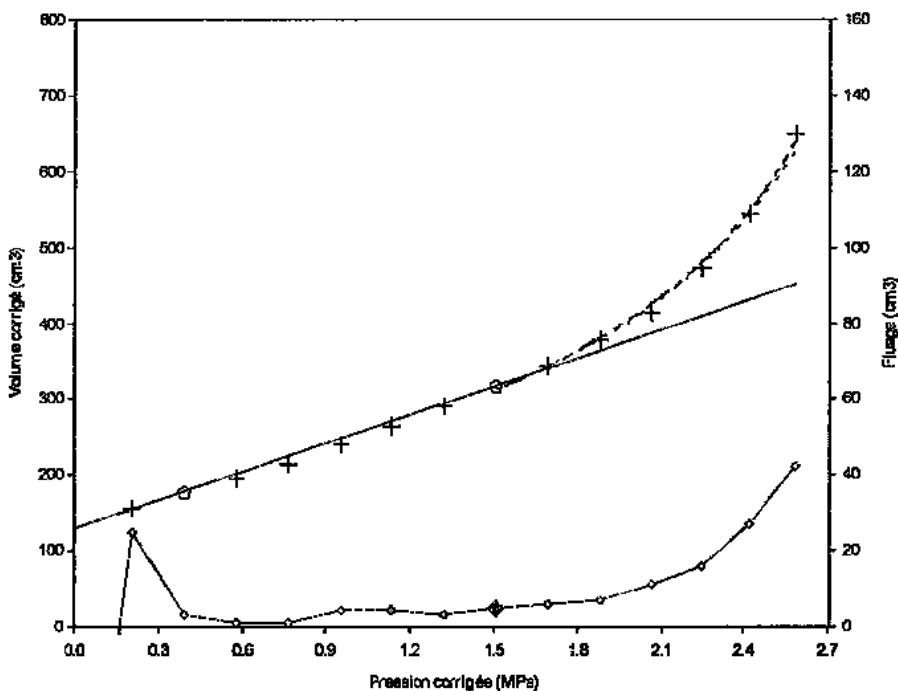
N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 28.9$
 $P_l = 3.08$ | $P_{max} = 2.60$
 $P_{l(i)} = 3.08$ | $P_f = 1.14$
 $P_{l(h)} = 2.88$ | $P_o = 0.12$
 $P_{l(PF)} = 1.70$

Légende:
--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : PF

Sondage: MPM 2009-12

Profondeur : 15.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 16.6$
 $P_l = 2.89$ | $P_{max} = 2.58$
 $P_{l(i)} = 2.89$ | $P_f = 1.51$
 $P_{l(h)} = 2.83$ | $P_o = 0.13$
 $P_{l(PF)} = 2.26$

Légende:
--- : $P_l(i)$ - - - : $P_l(h)$
+ : point de mesure
x : point non pris en compte
◻ : extrémité de la phase linéaire
◊ : fluage ◆ : PF

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS SIZEWELL B, LEISTON IP16

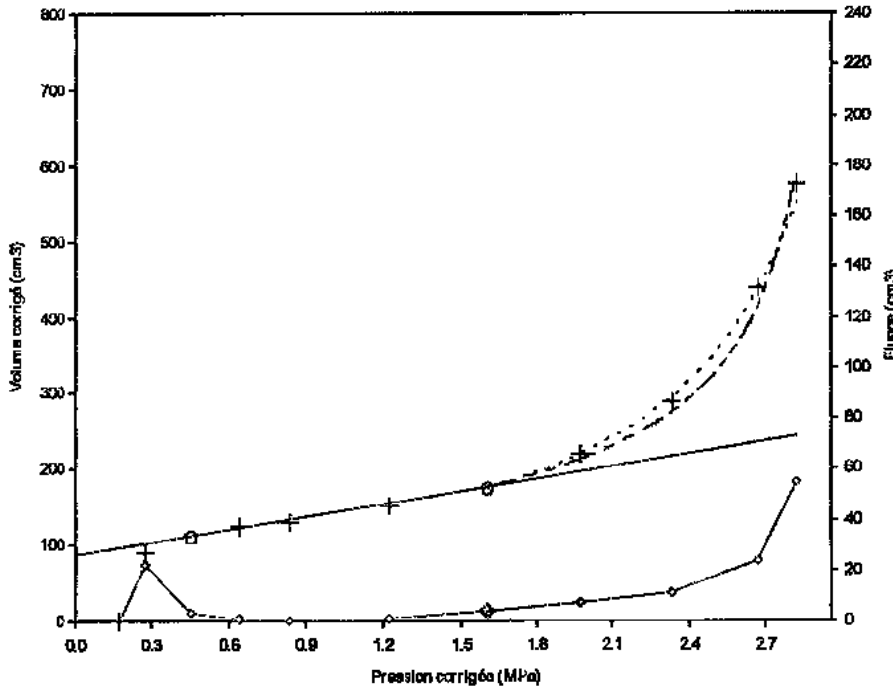
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P4
Dernière mise à jour:
21/09/2010 14:06:47

Sondage: MPM 2009-12

Profondeur : 16.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)

E_M = 32.5

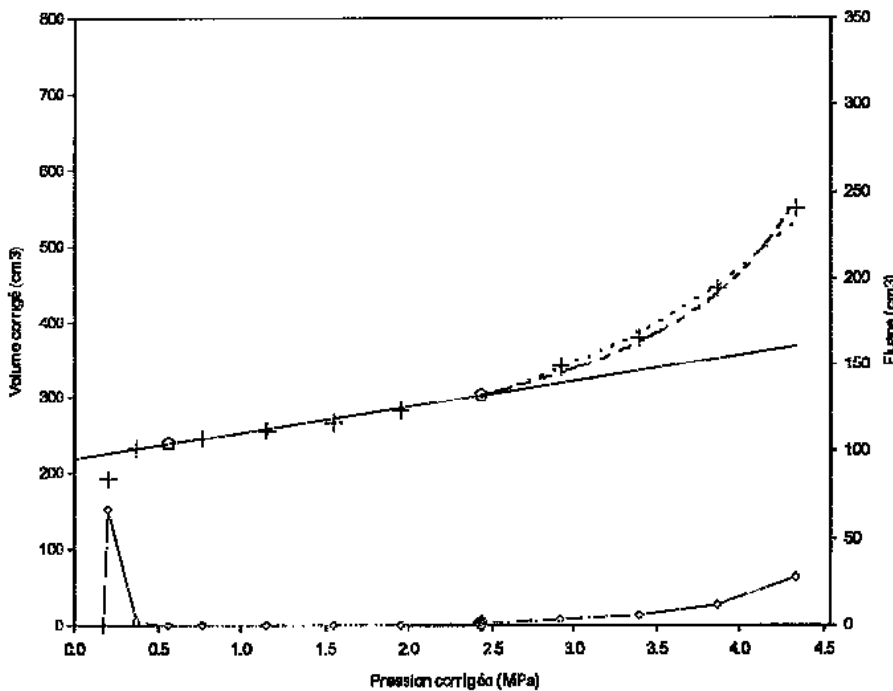
P _l = 2.98	P _{max} = 2.82
P _{l(i)} = 2.98	P _f = 1.60
P _{l(h)} = 2.87	P _o = 0.14
P _{l(Pf)} = 2.40	

Légende:

--- : P_{l(i)} - - - : P_{l(h)}
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage

Sondage: MPM 2009-12

Profondeur : 17.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)

E_M = 63.0

P _l = 5.54	P _{max} = 4.33
P _{l(i)} = 5.54	P _f = 2.43
P _{l(h)} = 4.80	P _o = 0.15
P _{l(Pf)} = 3.65	

Légende:

--- : P_{l(i)} - - - : P_{l(h)}
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
◊ : fluage

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS SIZEWELL B, LEISTON IP16

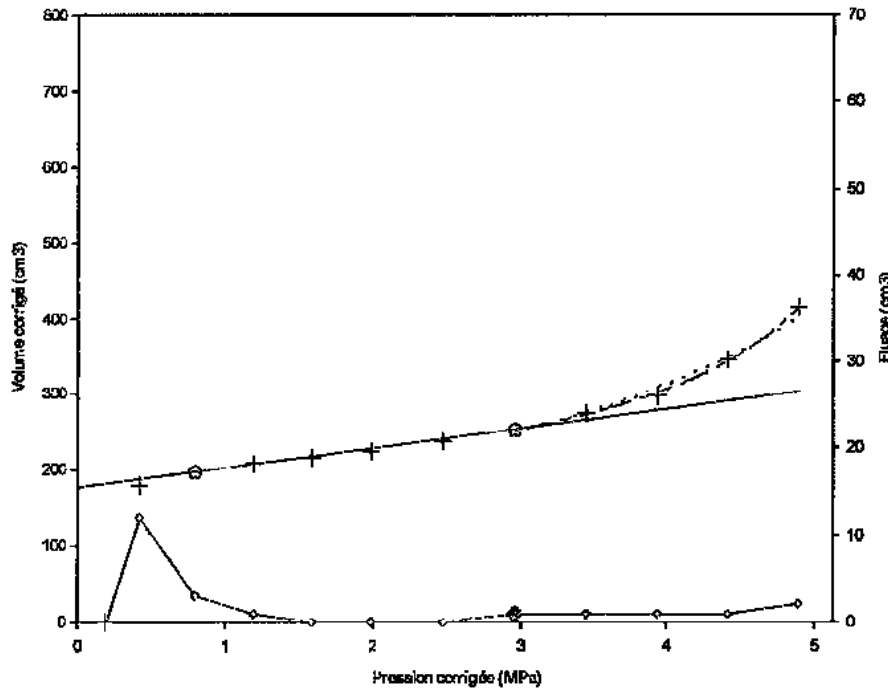
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BF 765
84140 MONTFAVET

Fichier : P4
Dernière mise à jour:
21/09/2010 14:06:47

Sondage: MPM 2009-12

Profondeur : 19.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 78.4$

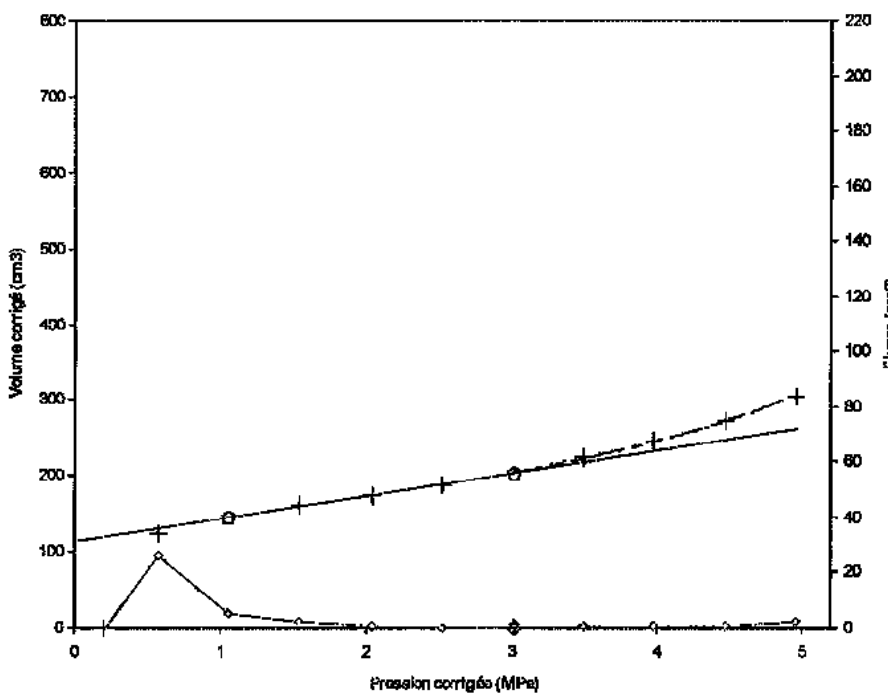
$P_1 = 6.75$	$P_{max} = 4.89$
$P_1(i) = 6.75$	$P_f = 2.97$
$P_1(h) = 5.68$	$P_0 = 0.16$
$P_1(pf) = 4.46$	

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage x : Pé

Sondage: MPM 2009-12

Profondeur : 19.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 63.4$

$P_1 = 7.59$	$P_{max} = 4.95$
$P_1(i) = 7.59$	$P_f = 3.01$
$P_1(h) = 6.75$	$P_0 = 0.17$
$P_1(pf) = 4.52$	

Légende:

--- : $P_1(i)$ - - - : $P_1(h)$
+ : point de mesure
x : point non pris en compte
o : extrémité de la phase linéaire
o : fluage x : Pé

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS SIZEWELL B, LEISTON IP16

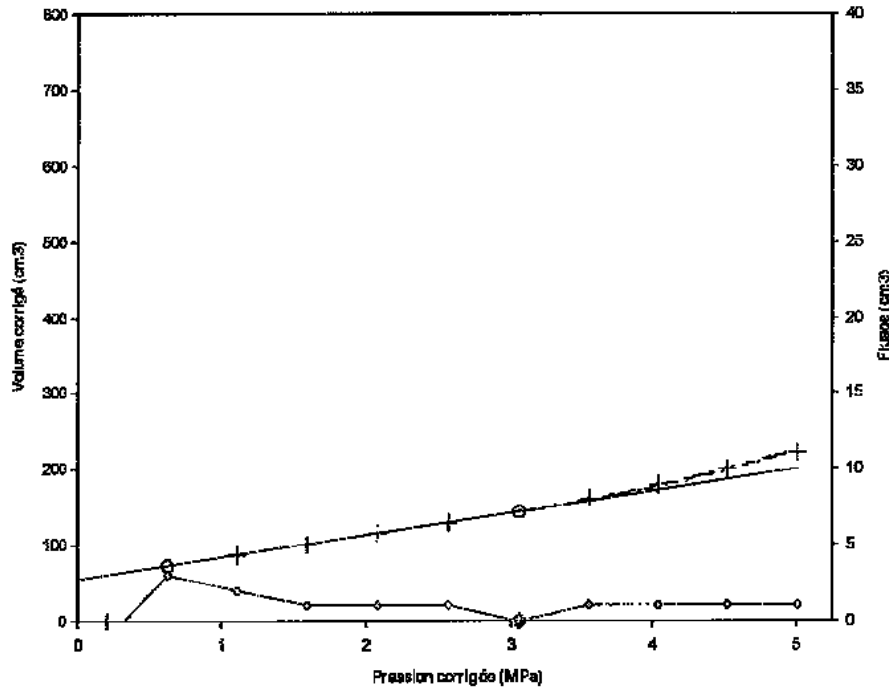
Programme: M-PRESSIO
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P4
Dernière mise à jour:
21/09/2010 14:06:47

Sondage: MPM 2009-12

Profondeur : 20.00 m



E_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 59.3$

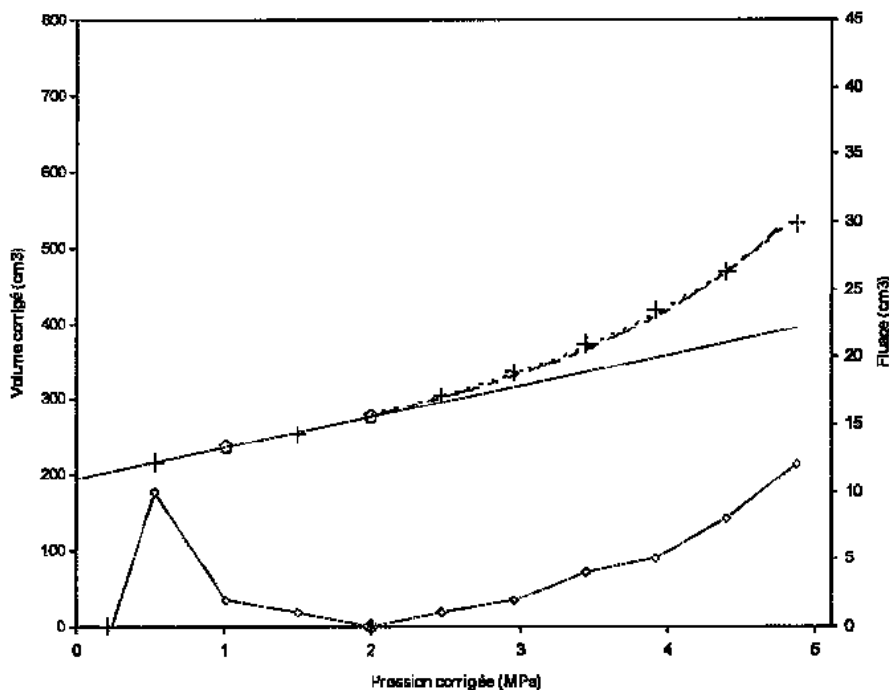
$P_1 = 7.40$	$P_{max} = 5.01$
$P_1(i) = 7.40$	$P_f = 3.06$
$P_1(h) = 7.39$	$P_0 = 0.18$
$P_1(P_f) = 4.59$	

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- ◊ : fluage ◆ : P_f

Sondage: MPM 2009-12

Profondeur : 21.00 m



E_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 52.6$

$P_1 = 6.30$	$P_{max} = 4.88$
$P_1(i) = 6.30$	$P_f = 1.99$
$P_1(h) = 5.86$	$P_0 = 0.19$
$P_1(P_f) = 2.98$	

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- ◊ : fluage ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS SIZEWELL B, LEISTON IP16

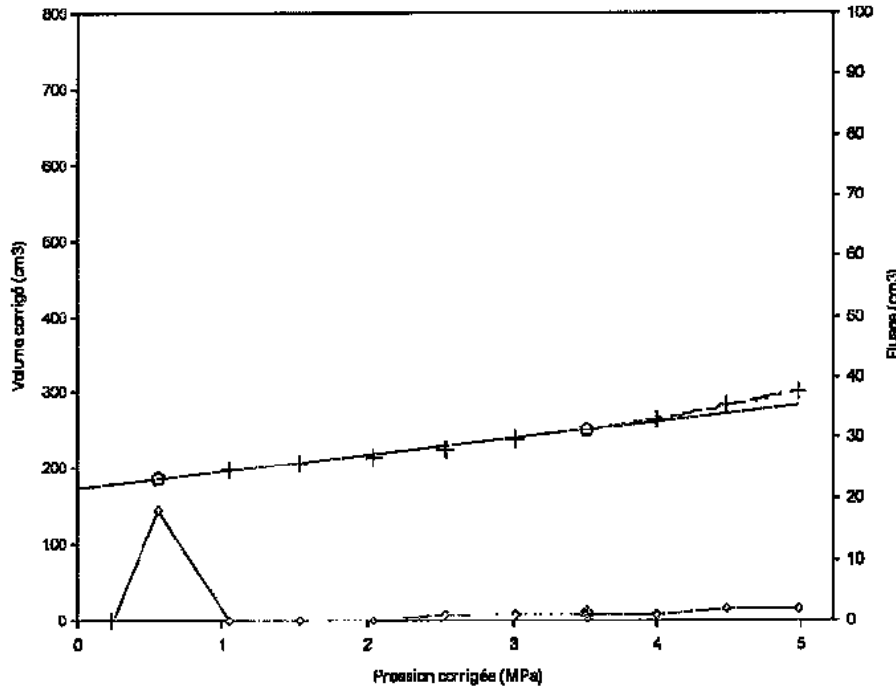
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTEFAVET

Fichier : P4
Dernière mise à jour:
21/09/2010 14:06:47

Sondage: MPM 2009-12

Profondeur : 22.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.5 (estimé)
Hauteur du pressiomètre: 1.50 m

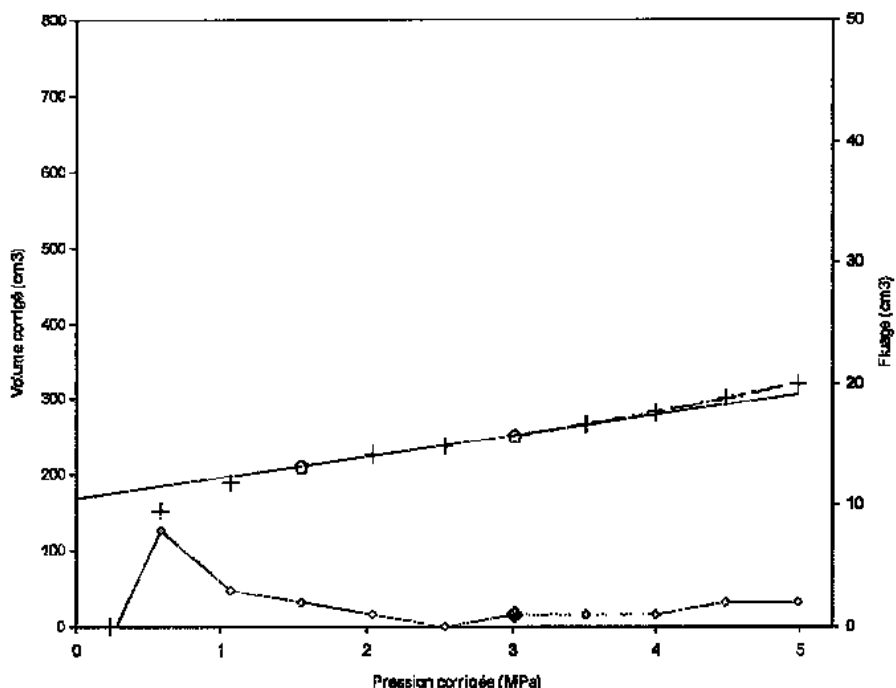
N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 93.5$
Pl = 9.94 | Pmax = 4.98
Pl(i) = 9.94 | Pf = 3.51
Pl(h) = 8.07 | Po = 0.19
Pl(Pf) = 5.27

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

Sondage: MPM 2009-12

Profondeur : 23.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.5 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)
 $E_M = 74.7$
Pl = 9.84 | Pmax = 4.98
Pl(i) = 9.84 | Pf = 3.02
Pl(h) = 8.90 | Po = 0.20
Pl(Pf) = 4.53

Légende:
--- : Pl(i) - - - : Pl(h)
+ : point de mesure
x : point non pris en compte
○ : extrémité de la phase linéaire
◊ : fluage ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS SIZEWELL B, LEISTON IP16

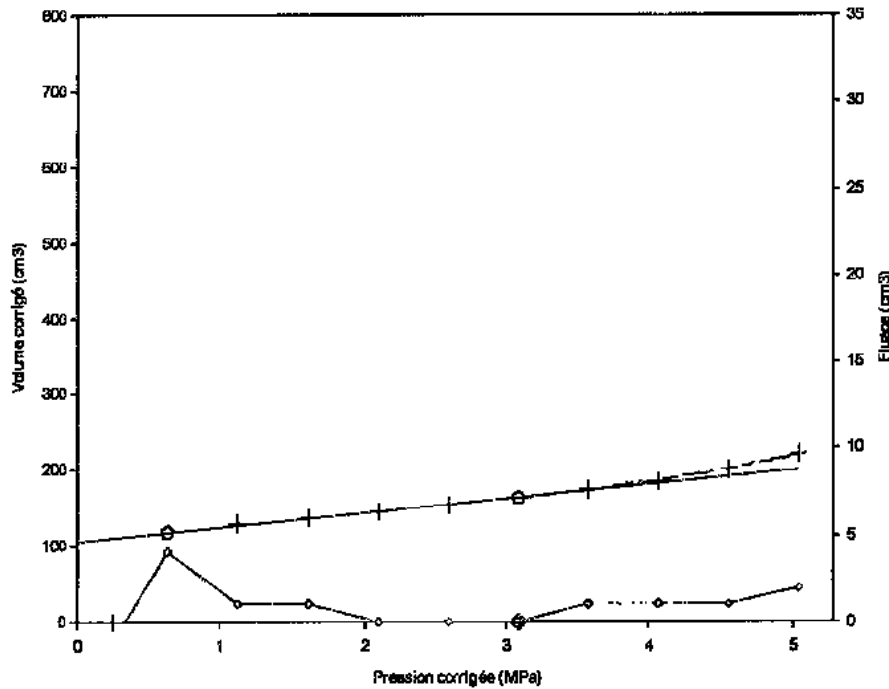
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MORTFAVET

Fichier : P4
Dernière mise à jour:
21/09/2010 14:06:47

Sondage: MPM 2009-12

Profondeur : 24.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 2.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)

E_M = 97.5

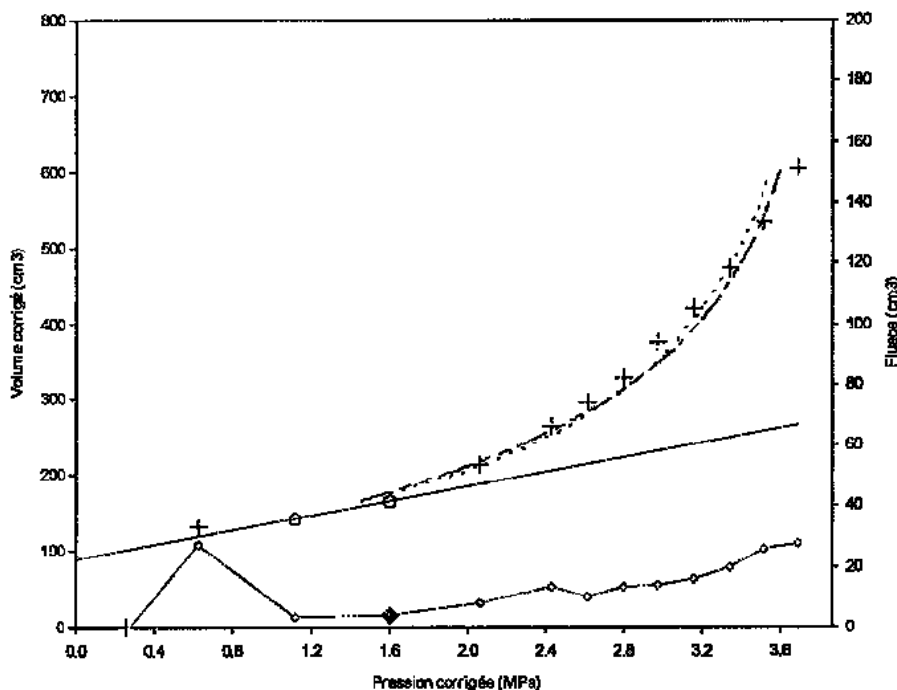
P _l = 9.20	P _{max} = 5.05
P _{l(i)} = 9.20	P _f = 3.09
P _{l(h)} = 7.61	P _o = 0.21
P _{l(Pf)} = 4.63	

Légende:

- : P_{l(i)} - - - : P_{l(h)}
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage ♦ : P_f

Sondage: MPM 2009-12

Profondeur : 25.00 m



K₀ (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)

E_M = 38.3

P _l = 3.77	P _{max} = 3.70
P _{l(i)} = 3.77	P _f = 1.60
P _{l(h)} = 3.78	P _o = 0.22
P _{l(Pf)} = 2.40	

Légende:

- : P_{l(i)} - - - : P_{l(h)}
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage ♦ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS SIZEWELL B, LEISTON IP16

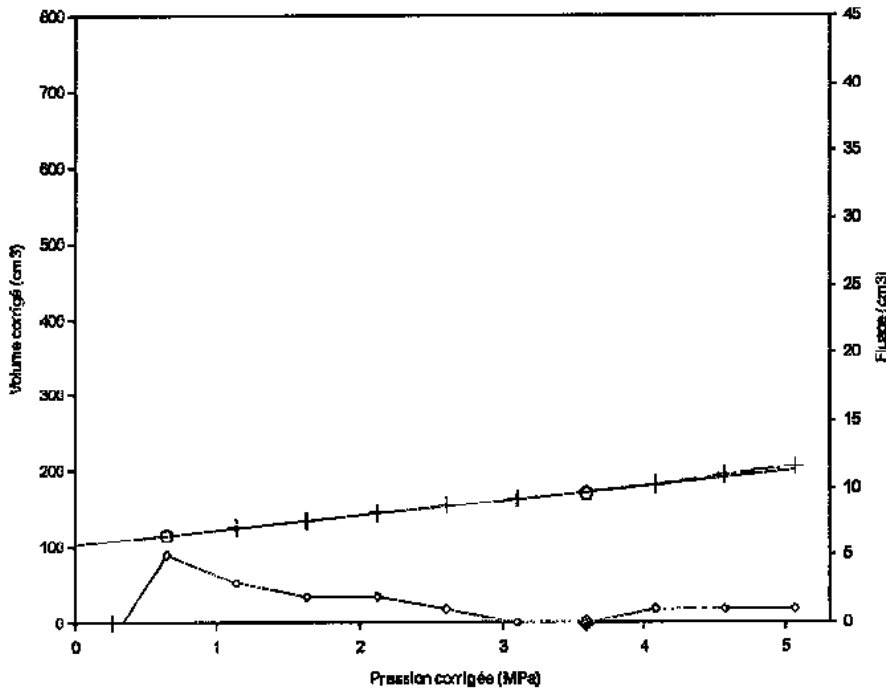
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTPAVET

Fichier : P4
Dernière mise à jour:
21/09/2010 14:06:47

Sondage: MPM 2009-12

Profondeur : 26.00 m



K_0 (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 94.5$

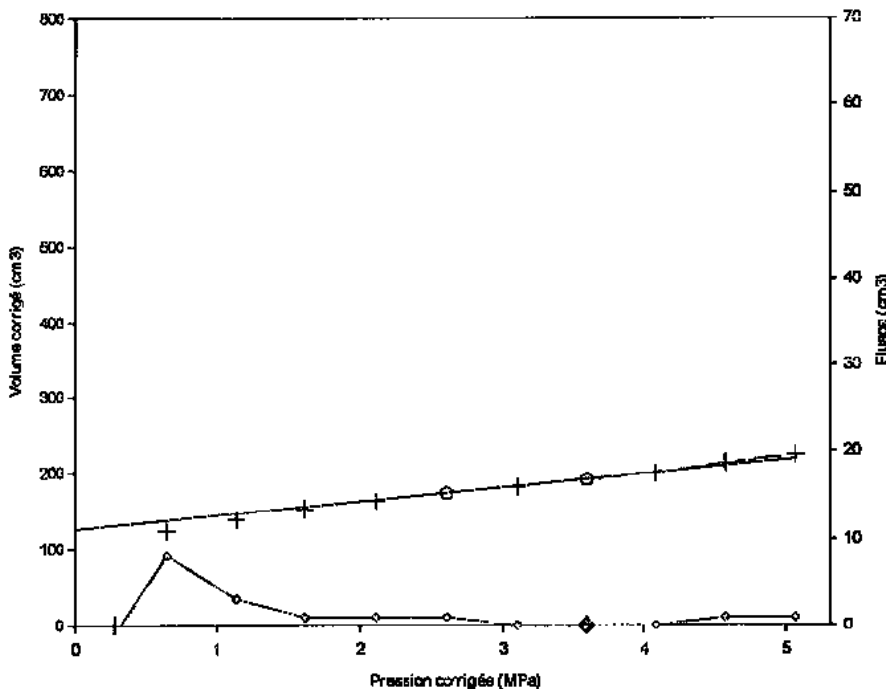
$P_1 = 10.69$	$P_{max} = 5.08$
$P_1(i) = 10.69$	$P_f = 3.60$
$P_1(h) = 8.03$	$P_0 = 0.23$
$P_1(P_f) = 5.40$	

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P_f

Sondage: MPM 2009-12

Profondeur : 27.00 m



K_0 (estimé):
Masse vol. sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 103.9$

$P_1 = 11.44$	$P_{max} = 5.07$
$P_1(i) = 11.44$	$P_f = 3.60$
$P_1(h) = 8.82$	$P_0 = 0.24$
$P_1(P_f) = 5.39$	

Légende:

- : $P_1(i)$ - - - : $P_1(h)$
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- ◊ : fluage
- ◆ : P_f

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS SIZEWELL B, LEISTON IP16

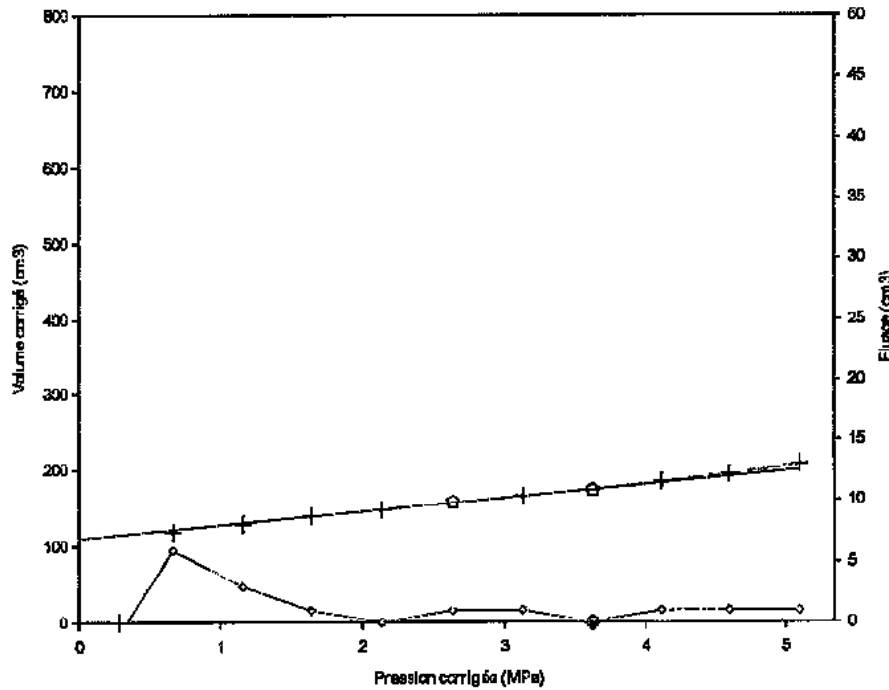
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P4
Dernière mise à jour:
21/09/2010 14:06:47

Sondage: MPM 2009-12

Profondeur : 28.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)

$E_M = 107.3$

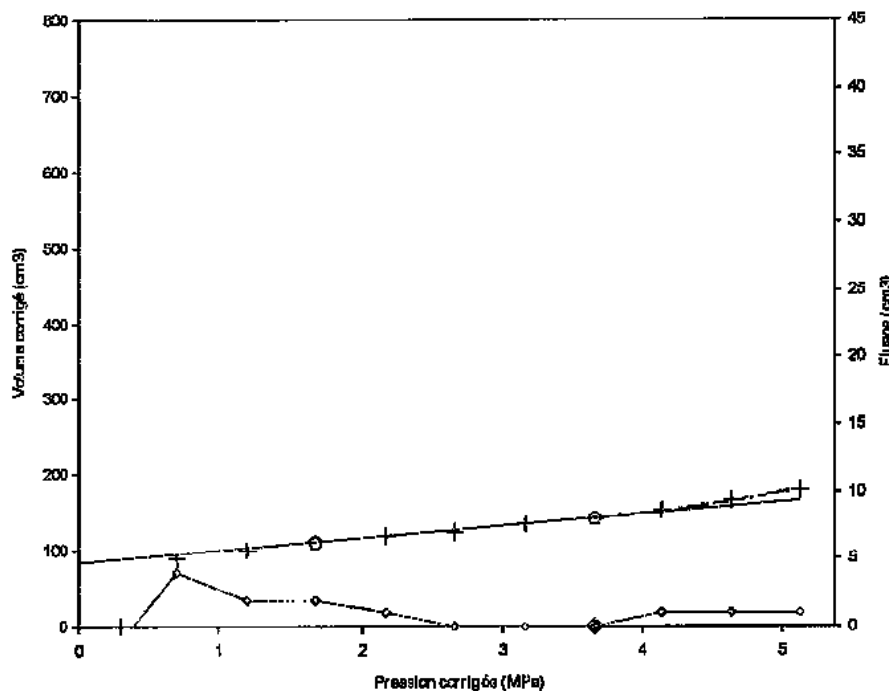
P1 = 10.98	Pmax = 5.09
P1(i) = 10.98	Pf = 3.62
P1(h) = 8.49	Po = 0.25
P1(Pf) = 5.43	

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage ♦ : Pf

Sondage: MPM 2009-12

Profondeur : 29.00 m



Ko (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
a = 1.86 cm³/MPa

(valeurs en MPa)

$E_M = 110.9$

P1 = 9.45	Pmax = 5.12
P1(i) = 9.45	Pf = 3.65
P1(h) = 7.41	Po = 0.26
P1(Pf) = 5.48	

Légende:

- : P1(i) - - - : P1(h)
- + : point de mesure
- x : point non pris en compte
- o : extrémité de la phase linéaire
- o : fluage ♦ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS SIZEWELL B, LEISTON IP16

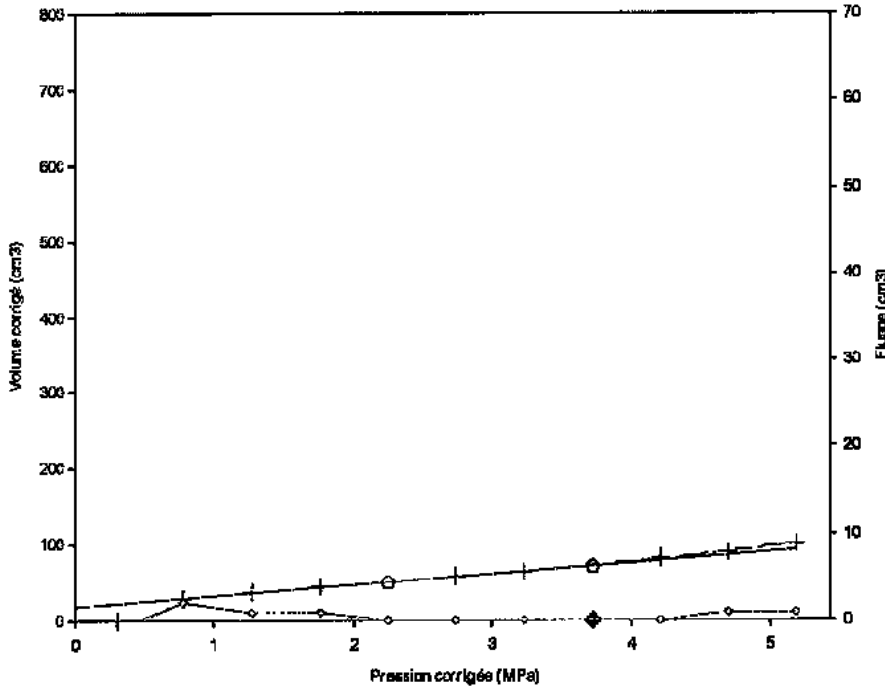
Programme: W-Pressio
Version : 1.1

FONDASOL
290 rue des Galoubets
BP 765
84140 MONTFAVET

Fichier : P4
Dernière mise à jour:
21/09/2010 14:06:47

Sondage: MPM 2009-12

Profondeur : 30.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a_v = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 110.4$

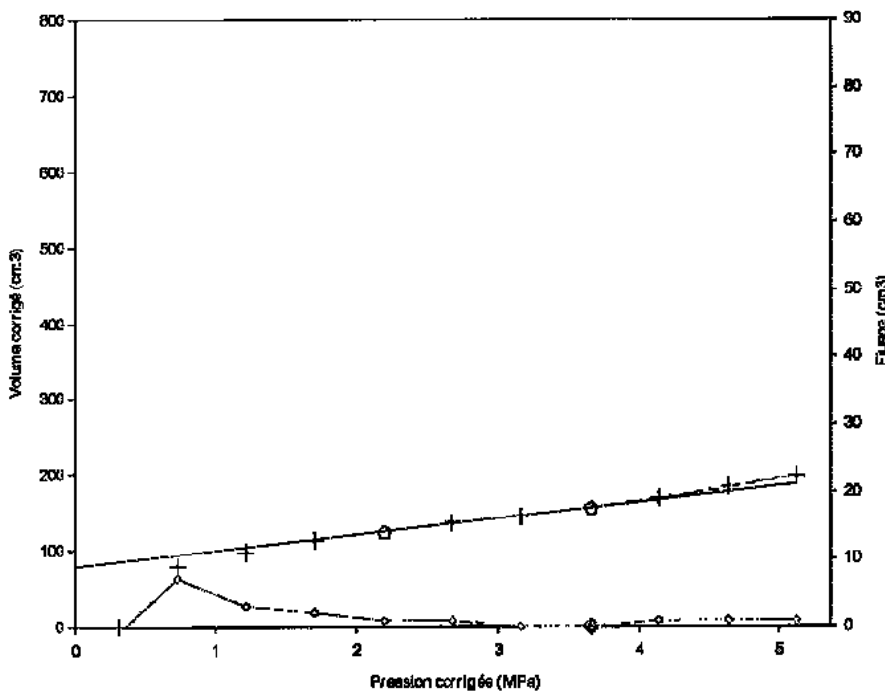
P1 = 8.32	Pmax = 5.19
P1(i) = 8.32	Pf = 3.72
P1(h) = 7.83	Po = 0.26
P1(pf) = 5.58	

Légende:

--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
o : flUAGE ◆ : Pf

Sondage: MPM 2009-12

Profondeur : 31.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $a_v = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 84.8$

P1 = 9.25	Pmax = 5.13
P1(i) = 9.25	Pf = 3.66
P1(h) = 7.91	Po = 0.27
P1(pf) = 5.49	

Légende:

--- : P1(i) - - - : P1(h)
+ : point de mesure
x : point non pris en compte
⊕ : extrémité de la phase linéaire
o : flUAGE ◆ : Pf

AFFAIRE N°: ML.100119

ESSAI PRESSIOMETRIQUE (NFP 94-110)

Affaire: SOIL MECHANICS SIZEWELL B, LEISTON IP16

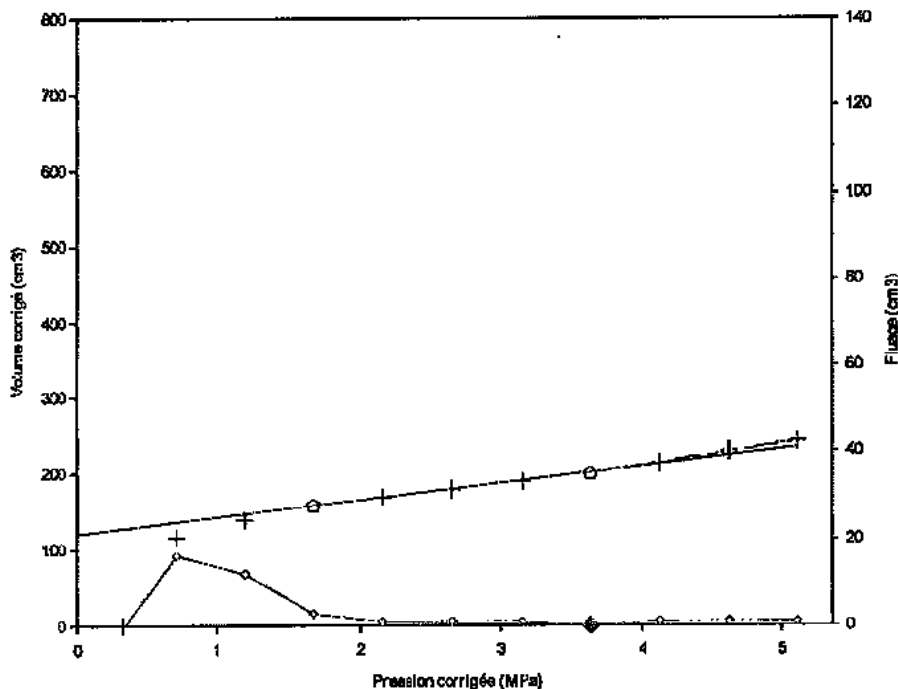
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21/09/2010 14:06:47

Sondage: MPM 2009-12

Profondeur : 32.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 86.4$

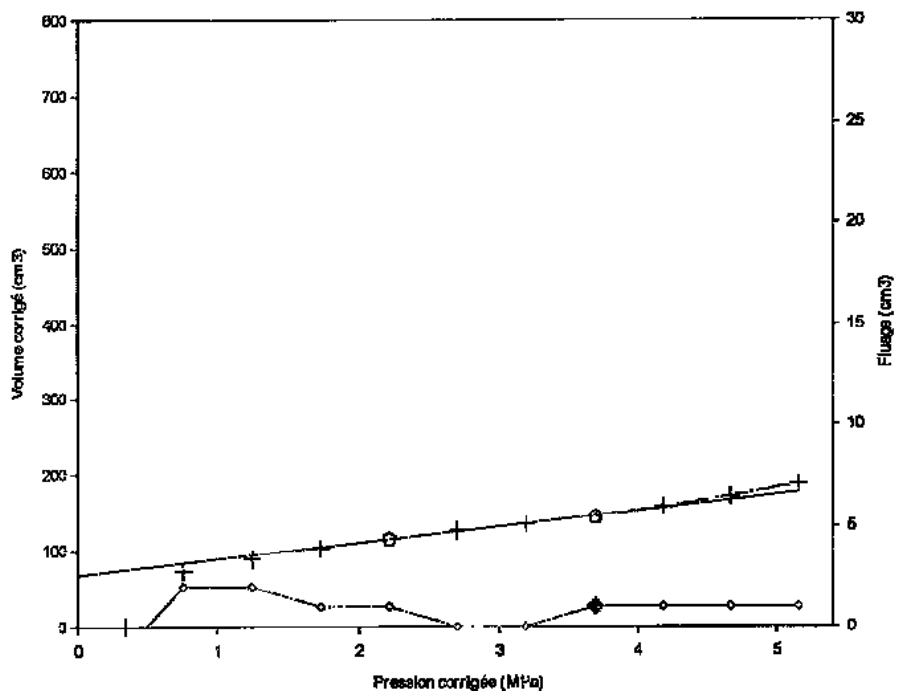
$P_l = 10.11$	$P_{max} = 5.11$
$P_l(i) = 10.11$	$P_f = 3.64$
$P_l(h) = 10.51$	$P_o = 0.29$
$P_l(pf) = 5.46$	

Légende:

- : $P_l(i)$ - - - : $P_l(h)$
- + : point de mesure
- x : point non pris en compte
- ◇ : extrémité de la phase linéaire
- ◊ : fluage ◆ : P_f

Sondage: MPM 2009-12

Profondeur : 33.00 m



K_0 (estimé):
Masse vol. Sol (t/m³): 1.8 (estimé)
Hauteur du pressiomètre: 1.50 m

N° de l'inertie: 5
Sonde: STANDARD
Gaine: Toilée renforcée
 $\alpha = 1.86 \text{ cm}^3/\text{MPa}$

(valeurs en MPa)

$E_M = 83.5$

$P_l = 9.20$	$P_{max} = 5.16$
$P_l(i) = 9.20$	$P_f = 3.69$
$P_l(h) = 8.18$	$P_o = 0.29$
$P_l(pf) = 5.53$	

Légende:

- : $P_l(i)$ - - - : $P_l(h)$
- + : point de mesure
- x : point non pris en compte
- ◇ : extrémité de la phase linéaire
- ◊ : fluage ◆ : P_f