

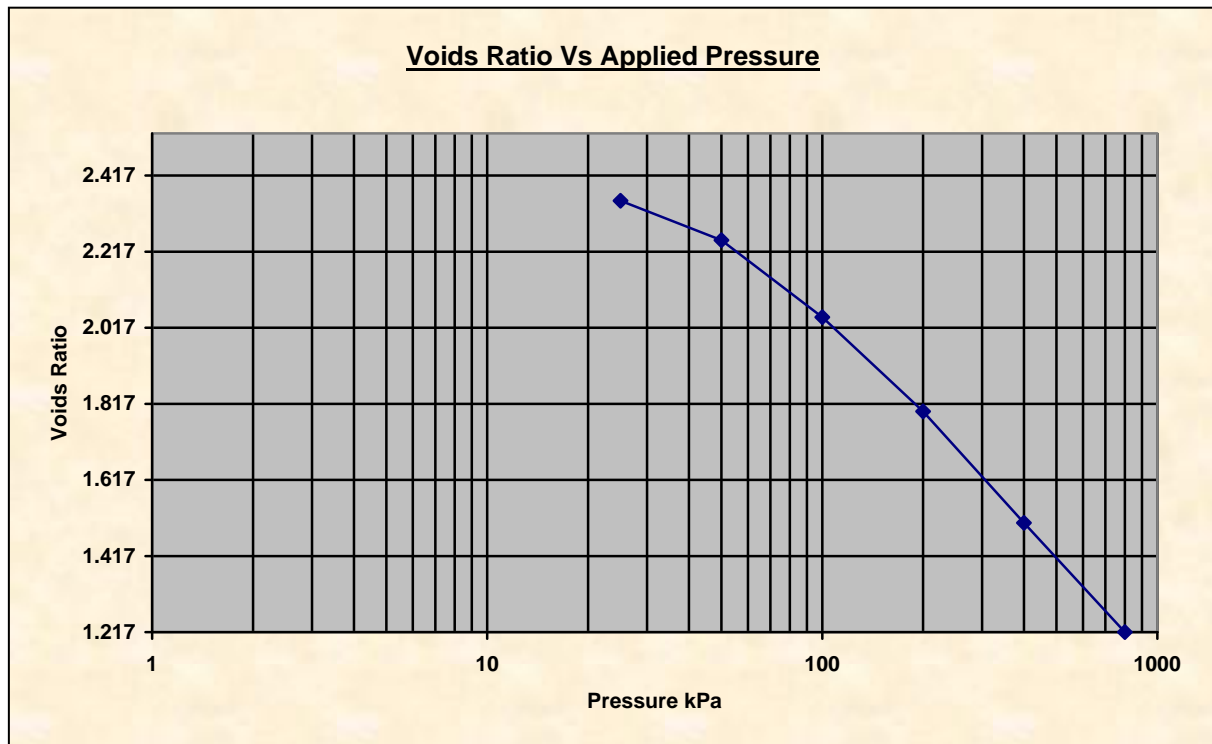
One Dimensional Consolidation Properties (Oedometer)

Client	GC-1712	Lab Ref	
Project	Provision of Laboratory Testing	Job	
Borehole	BH-200	Sample	

Test Details			
Standard	BS 1377: Part 5 : 1990 : Clause 3	Particle Density	2.74 Mg/m ³
Sample Type	Undisturbed sample - open drive	Lab Temperature	20.0 deg.C
Sample Depth	3.10 m		
Sample Description	Slightly sandy, slightly clayey, very highly plastic SILT		
Variations from Procedure	None		

Specimen Details			
Specimen Reference	A	Description	
Depth within Sample	600.00 mm	Orientation within Sample	
Specimen Mass	58.65 g	Condition	Inundated
Specimen Height	20.00 mm	Preparation	
Comments			

Test Apparatus			
Ring Number	12	Ring Diameter	50.00 mm
Ring Height	20.00 mm	Ring Weight	69.45 g
Lever Ratio	10.00 : 1		



Height of Solid Particles	5.67 mm	Swelling Pressure	0.0 kPa
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One Dimensional Consolidation Properties (Oedometer)

Client	GC-1712	Lab Ref	
Project	Provision of Laboratory Testing	Job	
Borehole	BH-200	Sample	

Initial Moisture Content*	92.3 %	Final Moisture Content	41.7 %
Initial Bulk Density	1.49 Mg/m3	Final Bulk Density	1.75 Mg/m3
Initial Dry Density	0.78 Mg/m3	Final Dry Density	1.24 Mg/m3
Initial Void Ratio	2.536	Final Void Ratio	1.2171
Initial Degree of Saturation	99.760%	Final Degree of Saturation	93.97 %

* Calculated from initial and dry weights of whole specimen

[illegible]

Method of Time Fitting Used	Log Time
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Tested By and Date:	T. Gorgidze-23.05.2017
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One Dimensional Consolidation Properties (Oedometer)

Client	GC-1712	Lab Ref	
Project	Provision of Laboratory Testing	Job	
Borehole	BH-200	Sample	

Test Details

Standard	BS 1377: Part 5 : 1990 : Clause 3	Particle Density	2.75 Mg/m ³
Sample Type	Undisturbed sample - open drive	Lab Temperature	20.0 deg.C
Sample Depth	14.20 m		
Sample Description	Slightly sandy, slightly gravelly, slightly clayey, very highly plastic SILT (FEAT)		
Variations from Procedure	None		

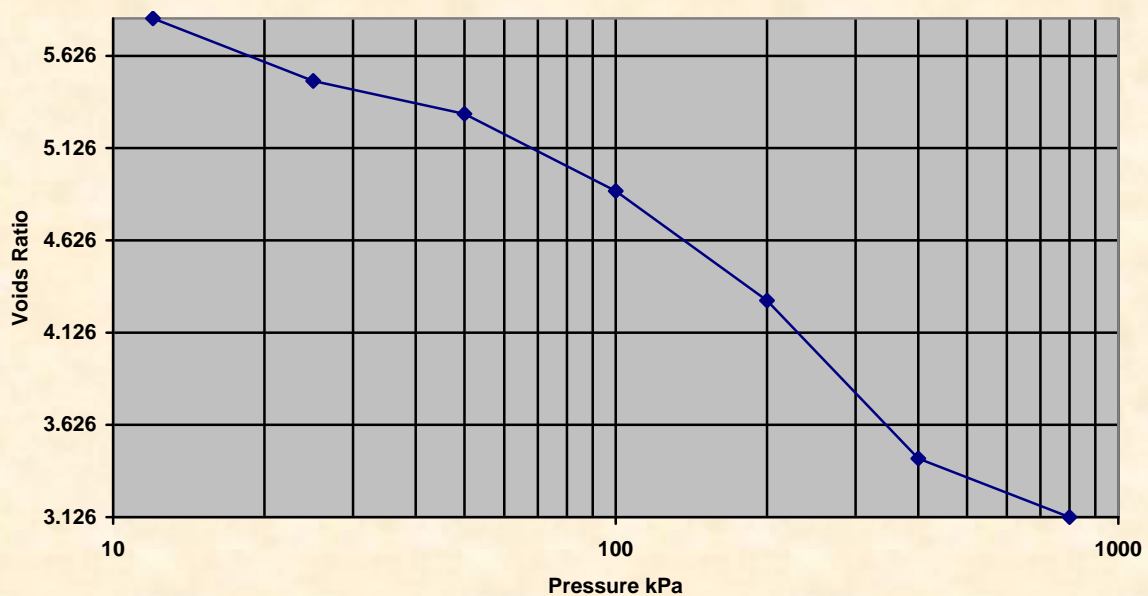
Specimen Details

Specimen Reference	A	Description	
Depth within Sample	300.00 mm	Orientation within Sample	
Specimen Mass	103.43 g	Condition	Inundated
Specimen Height	20.00 mm	Preparation	
Comments			

Test Apparatus

Ring Number	10	Ring Diameter	75.00 mm
Ring Height	20.00 mm	Ring Weight	111.10 g
Lever Ratio	9.00 : 1		

Voids Ratio Vs Applied Pressure



Height of Solid Particles	2.93 mm	Swelling Pressure	12.0 kPa
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One Dimensional Consolidation Properties (Oedometer)

Client	GC-1712	Lab Ref	
Project	Provision of Laboratory Testing	Job	
Borehole	BH-200	Sample	

Initial Moisture Content*	190.7 %	Final Moisture Content	103.3 %
Initial Bulk Density	1.17 Mg/m3	Final Bulk Density	1.36 Mg/m3
Initial Dry Density	0.40 Mg/m3	Final Dry Density	0.67 Mg/m3
Initial Void Ratio	5.8292	Final Void Ratio	3.1260
Initial Degree of Saturation	89.96%	Final Degree of Saturation	90.92 %

* Calculated from initial and dry weights of whole specimen

[illegible]

Method of Time Fitting Used	Log Time
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Tested By and Date:	T. Gorgidze-23.05.2017
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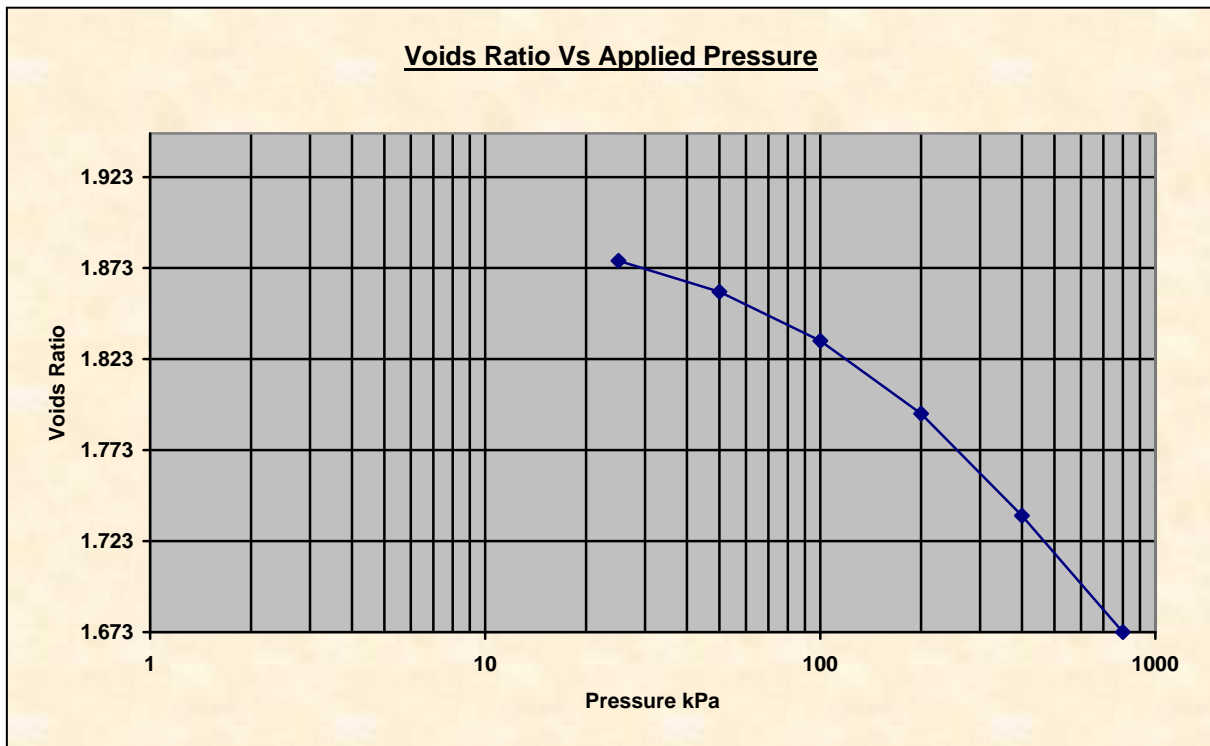
One Dimensional Consolidation Properties (Oedometer)

Client	GC-1712	Lab Ref	
Project	Provision of Laboratory Testing	Job	
Borehole	BH-201	Sample	

Test Details			
Standard	BS 1377: Part 5 : 1990 : Clause 3	Particle Density	2.66 Mg/m ³
Sample Type	Undisturbed sample - open drive	Lab Temperature	20.0 deg.C
Sample Depth	15.00 m		
Sample Description	Slightly clayey, silty, medium grained SAND		
Variations from Procedure	None		

Specimen Details			
Specimen Reference	A	Description	
Depth within Sample	600.00 mm	Orientation within Sample	
Specimen Mass	61.00 g	Condition	Inundated
Specimen Height	20.00 mm	Preparation	
Comments			

Test Apparatus			
Ring Number	14	Ring Diameter	50.00 mm
Ring Height	20.00 mm	Ring Weight	69.69 g
Lever Ratio	10.00 : 1		



Height of Solid Particles	6.79 mm	Swelling Pressure	0.0 kPa
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One Dimensional Consolidation Properties (Oedometer)

Client	GC-1712	Lab Ref	
Project	Provision of Laboratory Testing	Job	
Borehole	BH-201	Sample	

Initial Moisture Content*	72.1 %	Final Moisture Content	56.4 %
Initial Bulk Density	1.55 Mg/m3	Final Bulk Density	1.56 Mg/m3
Initial Dry Density	0.90 Mg/m3	Final Dry Density	1.00 Mg/m3
Initial Void Ratio	1.9466	Final Void Ratio	1.6733
Initial Degree of Saturation	98.49%	Final Degree of Saturation	89.69 %

* Calculated from initial and dry weights of whole specimen

[illegible]

Method of Time Fitting Used	Log Time
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Tested By and Date:	T-Gorgidze-11.05.2017
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One Dimensional Consolidation Properties (Oedometer)

Client	GC-1712	Lab Ref	
Project	Provision of Laboratory Testing	Job	
Borehole	BH-202	Sample	

Test Details

Standard	BS 1377: Part 5 : 1990 : Clause 3	Particle Density	2.75 Mg/m ³
Sample Type	Undisturbed sample - open drive	Lab Temperature	20.0 deg.C
Sample Depth	13.20 m		
Sample Description	Slightly sandy, slightly gravelly, slightly clayey, very highly plastic SILT (FEAT)		
Variations from Procedure	None		

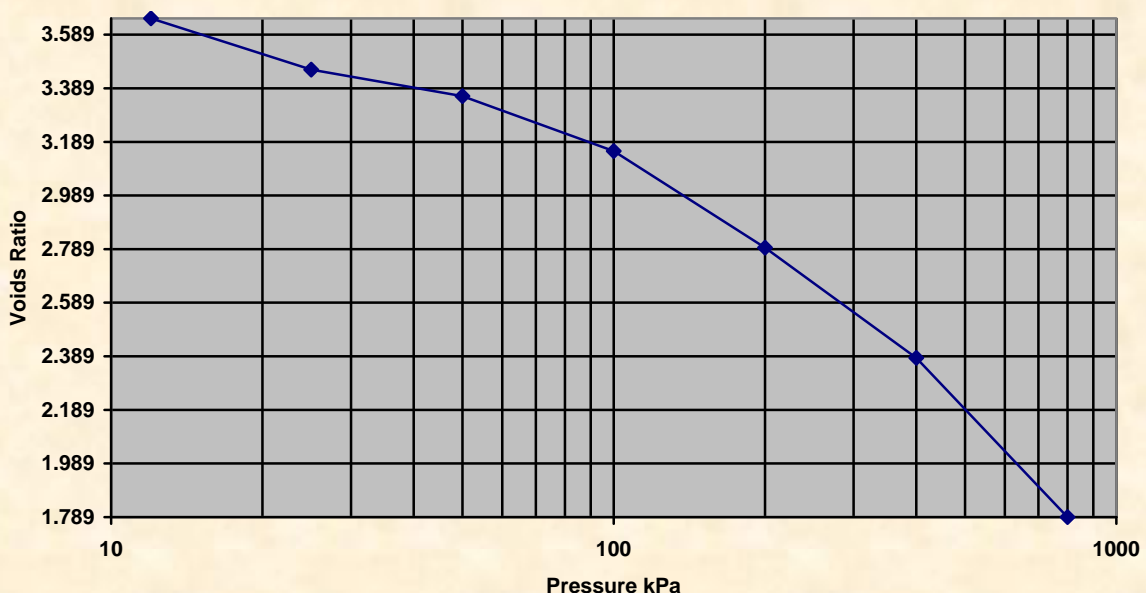
Specimen Details

Specimen Reference	A	Description	
Depth within Sample	400.00 mm	Orientation within Sample	
Specimen Mass	109.62 g	Condition	Inundated
Specimen Height	20.00 mm	Preparation	
Comments			

Test Apparatus

Ring Number	15	Ring Diameter	75.00 mm
Ring Height	20.00 mm	Ring Weight	109.72 g
Lever Ratio	9.00 : 1		

Voids Ratio Vs Applied Pressure



Height of Solid Particles	4.30 mm	Swelling Pressure	12.0 kPa
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One Dimensional Consolidation Properties (Oedometer)

Client	GC-1712	Lab Ref	
Project	Provision of Laboratory Testing	Job	
Borehole	BH-202	Sample	

Initial Moisture Content*	109.8 %	Final Moisture Content	63.1 %
Initial Bulk Density	1.24 Mg/m3	Final Bulk Density	1.61 Mg/m3
Initial Dry Density	0.59 Mg/m3	Final Dry Density	0.99 Mg/m3
Initial Void Ratio	3.6504	Final Void Ratio	1.7888
Initial Degree of Saturation	82.72%	Final Degree of Saturation	97.04 %

* Calculated from initial and dry weights of whole specimen

[illegible]

Method of Time Fitting Used	Log Time
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Tested By and Date:	T. Gorgidze-21.05.2017
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