

Borehole Log

BHT1-1-13

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Project Name: BRIDLINGTON rBWD GROUND INVESTIGATION Project No: A1031-11

Borehole ID: BHT1-1-13

Location: Bridlington Co-ords (British National Grid): 517944.98 - 466769.9 Level: 10.41

Hole Type: CP+RC Logged By: Dates: 2011-05-26 - 2011-06-20

Client: Yorkshire Water Services Limited Contractor: SOIL MECHANICS Project Engineer:

Plant Used: SPT Hammer Serial No:

Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
		Depth (m)	Type						
		0.0 - 1.2	B	N=6 (1,1/1,1,2,2)				Macadam Foreman s description MADE GROUND	
		0.35	ES		0.35	10.06			
					0.55	9.86		Concrete Foreman s description MADE GROUND	0.5
		0.8	ES						
		1.0	ES		1.00	9.41		Brick and concrete FILL Foreman s description MADE GROUND	1.0
		1.5 - 1.95 1.5 - 2.0	D B		1.50	8.91		Dark brown slightly clayey slightly gravelly fine to coarse SAND Gravel is angular to subrounded fine to coarse of brick chalk sandstone and other various lithologies MADE GROUND	1.5
		2.0	ES					2.0	
		2.4 2.5 - 2.95	ES D U		2.40	8.01		Soft to firm brown mottled dark brown slightly gravelly silty CLAY Gravel is angular to subrounded fine to coarse of brick chalk sandstone and other various lithologies MADE GROUND	2.5
		3.0	D					3.0	
		3.5 - 3.95 3.5 - 4.0	D B		3.50	6.91		Firm brown slightly gravelly silty CLAY Gravel is angular to subrounded fine to coarse of sandstone and chalk GLACIAL TILL	3.5
		4.5 - 4.95	U					Soft to firm brown slightly sandy CLAY Sand is fine GLACIAL TILL	4.5

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		Depth (m)	Type						
		5.0	D	N=21 (1,4/4,5,6,6)				Soft to firm brown slightly sandy CLAY Sand is fine GLACIAL TILL	5.0
		6.0 - 6.45 6.0 - 6.5	D B						5.5
									6.0
									6.5
									7.0
		7.5 - 7.95	U	N=18 (2,3/3,4,5,6)					7.5
									8.0
									8.5
									9.0
									9.5

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		Depth (m)	Type						
		10.5 - 10.95	U					Soft to firm brown slightly sandy CLAY Sand is fine GLACIAL TILL	10.5
		11.0	D						11.0
		12.0 - 12.45 12.0 - 12.5	D B	N=21 (3,3/4,5,6,6)					12.0
									12.5
		13.5 - 13.95	U						13.5
		14.0	D						14.0
									14.5

N=22 (2,3/4,4,7,7)

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Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
		Depth (m)	Type						
		15.0 - 15.45 15.0 - 15.5	D B	N=22 (2,3/4,4,7,7)				Soft to firm brown slightly sandy CLAY Sand is fine GLACIAL TILL	15.5
		16.0	D						16.0
		16.5 - 16.95	U					Dense light creamish white and multicoloured sandy angular to subrounded and tabular fine to coarse GRAVEL of chalk flint and occasional mudstone and sandstone GLACIAL SAND AND GRAVEL	16.5
		17.0	D		16.95	-6.54			17.0
		18.0 - 18.45 18.0 - 18.5	D B	N=43 (3,6/9,11,13,10)					17.5
								Structureless CHALK recovered as very stiff light orangish brown gravelly CLAY Gravel is angular to subrounded of weak cream chalk FLAMBOROUGH CHALK GRADE Dm	18.0
									18.5
		19.5 - 19.95 19.5 - 20.0	D B	58 (5,7/8,13,17,20 for 30mm)	19.50	-9.09			19.0
									19.5

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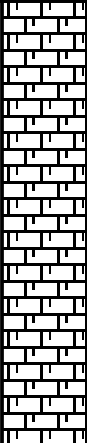
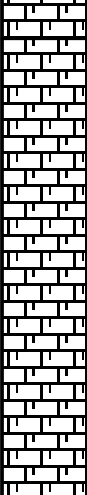
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Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
		Depth (m)	Type						
		21.0 - 21.45 21.0 - 21.5	D B	50 (5,11/13,17,20 for 10mm)	21.50	-11.09		Structureless CHALK recovered as very stiff light orangish brown gravelly CLAY Gravel is angular to subrounded of weak cream chalk FLAMBOROUGH CHALK GRADE Dm	20.5 21.0
		21.9	CS					Structureless CHALK composed of uncompact cream and light brown gravelly silt with occasional cobbles Gravel and cobbles are weak to medium density with some staining and no speckling FLAMBOROUGH CHALK GRADE Dm	21.5 22.0
		22.6	CS						22.5 23.0
		23.5	CS		22.98	-12.57		Weak to medium density locally very weak becoming high density from 29 00m cream and white CHALK with no staining or speckling Fractures are vertical to 70deg planar and occasionally undulating rough with grey discolouration on fracture surfaces FLAMBOROUGH CHALK GRADE B3	23.5 24.0
		24.5	CS						24.5

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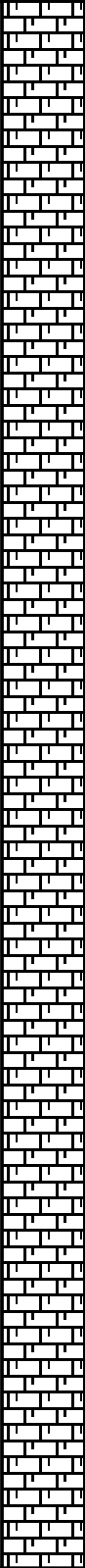
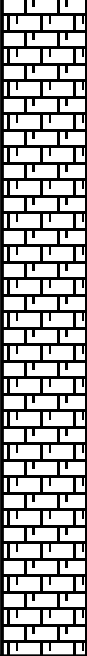
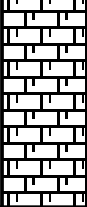
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		Depth (m)	Type						
		25.2	CS					Weak to medium density locally very weak becoming high density from 29 00m cream and white CHALK with no staining or speckling Fractures are vertical to 70deg planar and occasionally undulating rough with grey discolouration on fracture surfaces FLAMBOROUGH CHALK GRADE B3	25.5
									26.0
									26.5
		27.0	CS						27.0
		27.5	CS						27.5
									28.0
		28.27	CS						28.5
									29.0
		29.4	CS						29.5

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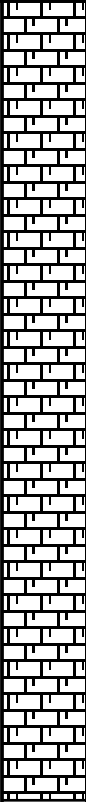
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		Depth (m)	Type						
		30.53	CS					Weak to medium density locally very weak becoming high density from 29 00m cream and white CHALK with no staining or speckling Fractures are vertical to 70deg planar and occasionally undulating rough with grey discolouration on fracture surfaces FLAMBOROUGH CHALK GRADE B3	30.5
		31.3	CS						31.0
		32.43	CS		32.50	-22.09			31.5
									32.0
									32.5
									33.0
									33.5
									34.0
									34.5

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GENERAL REMARKS

SPT Hammer ID: SM36. SPT Rod type: B