

Borehole Log

BH7-1-03

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

Borehole ID: BH7-1-03

Location: Bridlington Co-ords (British National Grid): 519037.46 - 467450.79 Level: 8.85

Hole Type: CP+RC Logged By: Dates: 2011-05-19 - 2011-05-26

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	D		0.05	8.80		Macadam Foreman s description MADE GROUND	0.0
		0.3	D		0.30	8.55			
		0.5 - 1.0	B						0.5
		1.0	D		1.00	7.85		Ash FILL Foreman s description MADE GROUND	1.0
		1.2 - 1.65	U		1.20	7.65			1.5
		1.65 - 1.85	D					Soft mottled orange brown and grey slightly silty CLAY GLACIAL TILL	
		2.0 - 2.45	B	N=18 (2,3/4,4,5,5)					2.0
		3.0 - 3.45	B	N=21 (3,5/5,5,6,5)				Soft orange brown slightly silty slightly gravelly CLAY Gravel is subangular to subrounded fine to coarse of various lithologies including chalk and sandstone ALLUVIUM	2.5
		4.0 - 4.45	B	N=20 (3,4/5,6,5,4)				Medium dense orange brown fine to coarse gravelly SAND Gravel is angular to subrounded fine to coarse of chalk and occasional flint Possible ALLUVIUM	4.0
				N=22 (2,3/4,5,6,7)					4.5

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		Depth (m)	Type						
		5.0 - 5.45	B	N=22 (2,3/4,5,6,7)	6.30	2.55		Medium dense orange brown fine to coarse gravelly SAND Gravel is angular to subrounded fine to coarse of chalk and occasional flint Possible ALLUVIUM	5.5
		5.7	W						
		6.0	D						6.0
		6.3	D						
		6.5 - 6.95	U						6.5
		6.95 - 7.15	D		8.30	0.55		Soft dark brown silty slightly gravelly CLAY Gravel is angular to subrounded fine and medium of chalk Possible ALLUVIUM	7.0
		7.5	D						7.5
		8.0 - 8.45	D B	N=17 (2,2/2,4,5,6)					8.0
		9.0	D						9.0
		9.5 - 9.95	U						9.5
		9.95 - 10.15	D						

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Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
		Depth (m)	Type						
				N=20 (2,3/4,4,5,7)				Firm dark brown silty slightly gravelly CLAY Gravel is angular to subrounded fine and medium of chalk and flint GLACIAL TILL	
		10.5	D						10.5
		11.0 - 11.45	B D						11.0
									11.5
		12.0	D						12.0
		12.5 - 12.95	U						12.5
		12.95 - 13.15	D						13.0
		13.5	D						13.5
		14.0 - 14.45	B D						14.0
									14.5

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Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m		
		Depth (m)	Type								
		15.0	D	N=18 (3,4/4,3,5,6)	15.30	-6.45		Firm dark brown silty slightly gravelly CLAY Gravel is angular to subrounded fine and medium of chalk and flint GLACIAL TILL	15.5		
		15.3	W D								
		15.5 - 15.95	B								
		15.8	D	N=24 (3,4/5,6,6,7)	15.80	-6.95		White and dark brown slightly clayey GRAVEL Gravel is subangular to rounded fine and medium of chalk and flint GLACIAL SAND AND GRAVEL	16.0		
		16.5	D								
		17.0 - 17.45	B								
		18.0	D								
		18.5 - 18.95	B								
		18.8	D			-9.95			Medium dense white and cream clayey sandy GRAVEL Gravel is angular to subrounded fine to coarse of chalk and flint GLACIAL SAND AND GRAVEL	17.5	
		19.4	D								
19.4	D	N=22 (4,5/5,5,6,6)	18.80	-9.95		Soft light grey and cream slightly gravelly CLAY Gravel is subangular to subrounded fine to coarse of chalk and flint GLACIAL TILL	18.5				
18.8	D										
19.4	D	N=22 (4,5/5,5,6,6)	18.80	-10.55		White and cream GRAVEL Gravel is subangular to subrounded fine to coarse of chalk and flint FLAMBOROUGH CHALK Possible GRADE Dc	19.5				
19.4	D										
19.4	D	N=22 (4,5/5,5,6,6)	18.80	-11.15		White and cream GRAVEL Gravel is subangular to subrounded fine to coarse of chalk and flint FLAMBOROUGH CHALK Possible GRADE Dc	19.5				
19.4	D										



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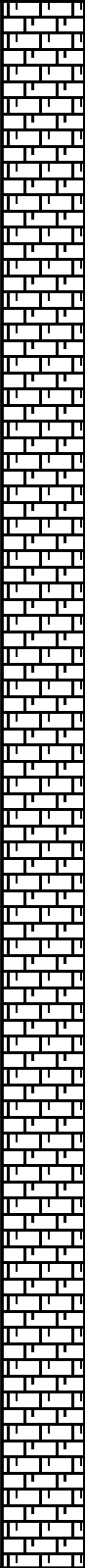
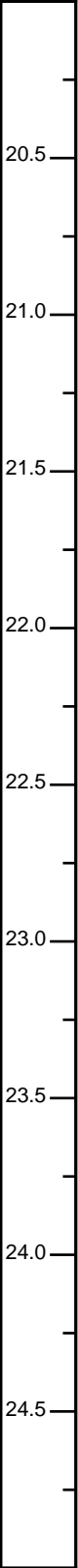
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Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
		Depth (m)	Type						
		20.0 - 20.2 20.0 - 20.37	B D	50 (11,12/13,17,20 for 70mm)				Weak to medium strong medium density cream beige and white CHALK with no staining or speckling Fracture sets are 1 No fractures are 10 45deg closely to medium spaced planar rough with orange brown staining on fracture surfaces 2 No fractures are vertical to 80deg planar rough with orange brown staining on fracture surfaces FLAMBOROUGH CHALK GRADE C2	
		20.49	CS						
		21.5	CS						
		22.67	CS						
		23.75	CS						
		24.03 - 24.23	CS						
		24.81	CS						

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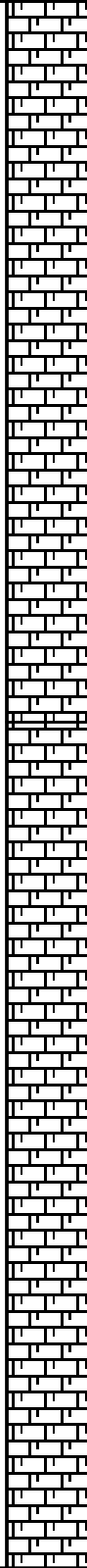


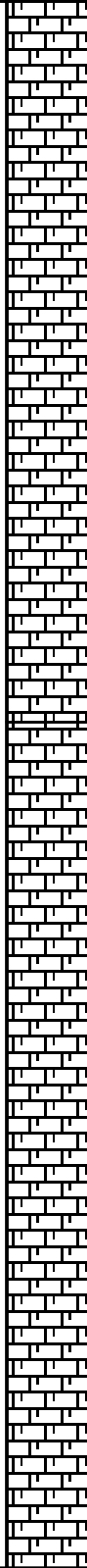


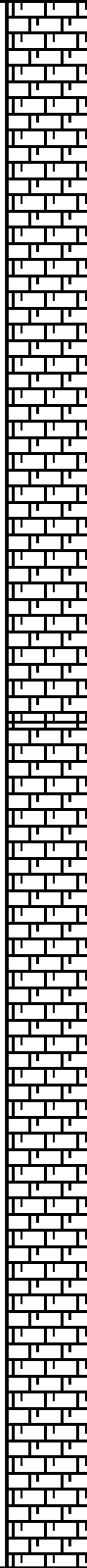
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		Depth (m)	Type						
		25.8	CS		27.30	-18.45		Weak to medium strong medium density cream beige and white CHALK with no staining or speckling Fracture sets are 1 No fractures are 10 45deg closely to medium spaced planar rough with orange brown staining on fracture surfaces 2 No fractures are vertical to 80deg planar rough with orange brown staining on fracture surfaces FLAMBOROUGH CHALK GRADE C2	25.5
									26.0
		26.92	CS						26.5
									27.0
		27.94	CS		27.30	-18.45		Medium strong high density cream and white CHALK with no staining or speckling Fractures are vertical to 70deg planar undulating with orange brown staining on fracture surfaces FLAMBOROUGH CHALK GRADE A2	27.5
									28.0
		29.03	CS						28.5
					27.30	-18.45			29.0
									29.5

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
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		Depth (m)	Type						
		30.24	CS		30.30	-21.45		Medium strong high density cream and white CHALK with no staining or speckling Fractures are vertical to 70deg planar undulating with orange brown staining on fracture surfaces FLAMBOROUGH CHALK GRADE A2	30.5 31.0 31.5 32.0 32.5 33.0 33.5 34.0 34.5

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GENERAL REMARKS

SPT Hammer ID: DC1. SPT Rod type: BW.