

Borehole Log

BH2

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Project Name: STOCKLEY WTW, PALTERTON Project No: A1083-11

Borehole ID: BH2

Location: Stockley WTW, Palterton Co-ords (British National Grid): 445991 - 367927 Level: 77.67


Hole Type: CP+RC Logged By: Dates: 2011-10-31 - 2011-11-10

Client: ETM 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						
		0.2	ES		0.18	77.49		Grey sandy subangular to rounded fine to coarse GRAVEL of various lithologies including sandstone concrete and quartzite MADE GROUND	0.5
		0.5 0.5 - 0.8	ES B						
		1.0	ES						
		1.2 - 1.65	U		1.20	76.47		Stiff mottled orangish brown light grey and brown CLAY	1.5
		1.65 - 1.85	D	N=20 (3,4/4,5,5,6)					
		1.85 - 2.3	D				Firm brown and grey slightly gravelly locally slightly sandy CLAY Gravel is subangular to subrounded fine to coarse of sandstone and mudstone	2.0	
		2.3 - 2.5	B						
		2.5 - 2.95	U		2.50	75.17	Stiff brown slightly gravelly CLAY Gravel is subangular to rounded fine to coarse of mudstone	2.5	
		2.95 - 3.15	D	N=44 (6,7/8,10,11,15)					
		3.15 - 3.6	D		3.20	74.47	Extremely weak grey MUDSTONE Recovered as gravelly clay	3.5	
		4.2 - 4.34	D	50 (25/50 for 50mm)					
					4.55	73.12	Very weak locally extremely weak thinly laminated grey silty MUDSTONE Fractures are subhorizontal very closely to closely spaced planar smooth	4.5	

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									5.5									
																	6.0	
																	6.5	
																	7.0	
																	7.5	
																	8.0	
																	8.5	
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	Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
			Depth (m)	Type						
									Very weak locally extremely weak thinly laminated grey silty MUDSTONE Fractures are subhorizontal very closely to closely spaced planar smooth	10.5
						11.40	66.27		Very weak thinly laminated dark grey carbonaceous MUDSTONE Predominantly recovered as NI	11.0
						12.00	65.67		Extremely weak thinly laminated light grey MUDSTONE Fractures are subhorizontal closely spaced planar rough	12.0
						12.50	65.17	X X X X X X X X X X X X X X X X X X X X	Medium strong locally weak thinly laminated grey SILTSTONE Fractures are subhorizontal closely to medium spaced planar smooth	12.5
						14.10	63.57	+ + +	Weak thinly laminated grey MUDSTONE Fractures are subhorizontal closely spaced planar smooth	13.5
						14.60	63.07	* * * *	Medium strong thinly laminated grey fine grained SANDSTONE Fractures are subhorizontal closely to medium spaced planar smooth	14.5

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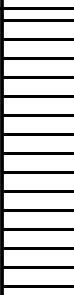
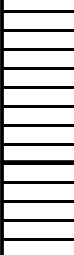
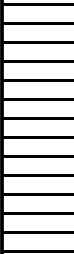


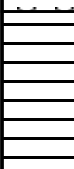

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		Depth (m)	Type						
								Very weak locally extremely weak thinly laminated grey silty MUDSTONE Fractures are subhorizontal very closely to closely spaced planar smooth	10.5
								Very weak thinly laminated dark grey carbonaceous MUDSTONE Predominantly recovered as NI	11.0
								Extremely weak thinly laminated light grey MUDSTONE Fractures are subhorizontal closely spaced planar rough	12.0
	Medium strong locally weak thinly laminated grey SILTSTONE Fractures are subhorizontal closely to medium spaced planar smooth	12.5							
	Weak thinly laminated grey MUDSTONE Fractures are subhorizontal closely spaced planar smooth	13.5							
	Medium strong thinly laminated grey fine grained SANDSTONE Fractures are subhorizontal closely to medium spaced planar smooth	14.0							
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		Depth (m)	Type						
<div></div>					20.45	57.22	<div></div>	Medium strong thinly laminated dark grey carbonaceous MUDSTONE with occasional fossil shell fragments Fractures are closely to medium spaced planar smooth	20.5
					23.25	54.42	<div></div>	Weak thinly laminated dark grey carbonaceous MUDSTONE with occasional light brown bands Fractures are subhorizontal very closely to closely spaced planar smooth	22.0
24.20	53.47	<div></div>	Very weak black vitreous COAL	23.5					
		<div></div>	Weak locally medium strong thinly laminated grey SILTSTONE Fractures are subhorizontal closely to medium spaced planar smooth	24.0					

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Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
		Depth (m)	Type						
					30.40	47.27	<div><div>✕ ✕ ✕ ✕</div><div>✕ ✕ ✕ ✕</div><div>✕ ✕ ✕ ✕</div><div>✕ ✕ ✕ ✕</div></div>	Medium strong thinly laminated light grey fine grained SANDSTONE Fractures are subhorizontal medium spaced planar smooth	30.5
					32.00	45.67		Weak thinly laminated grey silty MUDSTONE Fractures are subhorizontal very closely to closely spaced planar smooth	32.0
					32.50	45.17			32.5
								Weak thinly laminated dark grey carbonaceous MUDSTONE Recovered as NI	34.0

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GENERAL REMARKS

SPT: hammer ID IS02, rods B.