

GZA GeoEnvironmental, Inc. Cornwall, Vermont		Cornwall BRS 0172(6)		Boring No.: B-306					
Contractor: New Hampshire Boring, Inc.		Auger/Casing: HW SS		Sampler: SS					
Foreman: Steve Gorside		Date: 7-19-04 / 7-20-04		Time: Not Measured					
Logged by: Curtis George		I.D.: 102 mm		Depth: 35 mm					
Date Start/Finish: 7-19-04 / 7-20-04		Hammer Wt.: 136.1 kg		63.5 kg					
Boring Location: Sta. 1+178.0, 15.1 mR		Hammer Fall: 0.76 m		0.76 m					
GS Elev.: 43.28m Datum: NAVD 88		Rig Type: CME 550 ATV							
Depth (m)	No.	Pen./Rec. (m)	Depth (m)	Blows (/0.15m)	N Value	Sample Description & Classification	Stratum Desc.	Remarks	Equipment Installed
	S-1	0.61/0.08	0.00-0.61	3-3 4-2	7	Medium stiff, brown, Clayey ORGANIC SILT. (A-8)	ORGANIC SILT		No Equipment Installed
	S-2	0.61/0.08	1.52-2.13	8-4 1-1	5	Medium, brown, CLAY & SILT, trace Organics. (A-6)	CLAY & SILT SLIGHTLY ORGANIC		
	S-3	0.61/0.36	2.13-2.74	WOH		VS = 15 kPa, vane tip at 2.4 m. Very soft, brown, SILT & CLAY, trace Organics. (A-4)		1	
	S-4	0.61/0.03	3.05-3.66	WOH		Very soft, brown, SILT & CLAY, trace Organics. (A-4)		2	
	S-5A/B	0.61/0.51	3.66-4.27	12-13 13-14	26	VS = 6 kPa, vane tip at 4.0 m. Top 0.30 m: Medium stiff, brown, SILT & CLAY, trace Organics. (A-4) Bottom 0.30 m: Medium stiff, CLAY & SILT, some fine Sand. (A-6)			
	S-6	0.61/0.61	4.57-5.18	3-2 1-1	3	Soft, gray, SILT & CLAY with alternating seams of brown, fine Sand. (A-4)	SILT & CLAY		
	U-1	0.61/0.61	5.18-5.79			Gray, SILT & CLAY. (A-4)			
	S-7	0.61/0.48	6.10-6.71	WOR-3 3-8	6	Medium stiff, gray, varved, Silty CLAY with a 152-mm layer of gray, SILT, some fine Sand. (A-4 to A-7-6)			
	U-2	0.61/0.48	6.71-7.32			Gray, varved, Silty CLAY with layers of gray, SILT, some fine Sand. (A-4 to A-7-6)			
	S-8	0.61/0.08	7.62-8.23	2-3 5-5	8	Loose, gray, fine SAND and Silt. (A-4)			
	S-9	0.61/0.61	9.14-9.75	6-6 4-5	10	Loose, gray, fine SAND and Silt, trace Gravel. (A-4)	SILT & SAND		

1. WOH = Weight of Hammer
2. VS = Vane shear test. Split spoon was driven through soil disturbed by VS test.

All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

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	S-10	0.61/0.48	10.67-11.28	4-1 4-1	5	Loose, gray, fine SAND and SILT. (A-4)			
	S-11	0.61/0.36	12.19-12.80	4-5 5-6	10	Loose, gray, fine SAND, some SILT, trace Gravel. (A-2-4)	SILT & SAND		
	S-12A/B	0.61/0.61	13.72-14.33	3-6 5-7	11	Top 0.30 m: Medium dense, gray, fine SAND, some SILT, trace Gravel. (A-2-4) Bottom 0.30 m: Gray, Clayey SILT with fine Sand seams. (A-4)			
						Bottom of boring at 14.3 meters. No refusal.			

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DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83(92)

BORING LOG SHEET 15

PROJECT: CORNWALL	PROJECT NO.: BRS 0172 (6)
DESIGN FILE NAME: z85e042bor logs.dgn	PLOT DATE: 2/5/2010
IPARM FILE NAME:	SURVEY DATE:
SURVEYED BY:	DRAWN BY: C. GEORGE
SQUAD LEADER: C. C. BENDA	SHEET: 83 OF 144
DATE: 03/01	