



Boring Crew: PORTER, WELLS, STAAB  
Date Started: 3/09/12 Date Finished: 3/30/12  
VTSPG NAD83: N 569466.87 ft E 1469894.40 ft  
Station: 502+96 Offset: -6.70  
Ground Elevation: 262.4 ft

Casing Sampler  
Type: WB SS  
I.D.: 4 in 1.5 in  
Hammer Wt: N.A. 140 lb.  
Hammer Fall: N.A. 30 in.  
Hammer/Rod Type: Auto/AWJ  
Rig: CME 45C SKID C. = 1.33

Groundwater Observations  
Date Depth Notes  
03/21/12 10.0 Boring at 60 ft.  
03/23/12 4.0' above ground.  
03/30/12 3.6' above ground.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
10		A-1-b, SiSaGr, brn, Moist, Rec. = 1.0 ft	WH-6-3-2 (9)	15.3	40.1	39.8	20.1		
		A-2-4, GrSiSa, brn, Moist, Rec. = 0.5 ft	WH-WH-3-4 (3)	14.9	20.8	57.2	22.0		
		A-4, SiSa, brn, Moist, Rec. = 1.3 ft	3-3-3-4 (6)	20.5	6.3	55.9	37.8		
		A-4, SiSa, brn, Moist, Rec. = 1.5 ft	3-4-5-8 (9)	19.8	1.8	60.3	37.9		
		A-1-b, GrSa, brn, Moist, Rec. = 1.3 ft	7-6-7-9 (13)	14.1	35.0	50.7	14.3		
		A-1-a, Gr, Lt/brn, Moist, Rec. = 0.5 ft, Broken rock was within sample.	9-8-5-7 (13)	8.6	80.1	16.4	3.5		
		A-1-a, SaGr, Lt/brn, Moist, Rec. = 1.0 ft	8-5-4-4 (9)	14.7	50.3	45.4	4.3		
		A-1-a, SaGr, Lt/brn, Moist, Rec. = 0.7 ft	6-6-5-9 (11)	9.6	70.1	26.1	3.8		
		A-1-a, Gr, Lt/brn, Moist, Rec. = 0.5 ft	13-2-2-2 (4)	10.9	78.0	19.7	2.3	47	25
		A-7-6, Cl, gry, Moist, Rec. = 0.7 ft		51.1	3.9	12.1	84.0		
20		Cl Shelby Tube, Rec. = 2.0 ft, 18.0 ft - 20.0 ft							
		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft	(WH)	65.3	0.3	99.7	61	36	
30		Visual Description, Cl, gry, Moist, Rec. = 2.0 ft, Material similar as 23-25 ft.	(WH)	78.7					
		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft	(WR)	65.8	0.3	99.7	66	38	
40		Visual Description, Cl, gry, Moist, Rec. = 2.0 ft, Material similar as 33-35 ft.	(WR)	67.4					
		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft	(WR)	66.0	0.3	99.7	59	34	
50		A-7-6, Cl, Dk/gry, Moist, Rec. = 2.0 ft, Shelby Tube sample U2		73.5				77	51
		Visual Description, Cl, gry, Moist, Rec. = 2.0 ft, Material similar as 58-60 ft.	(WR)	67.8					

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
2. N Values have not been corrected for hammer energy. C is the hammer energy correction factor.  
3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.



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60		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft	(WR)	53.8	0.4	99.6	54	29	
		A-6, SiCl, gry, Moist, Rec. = 1.0 ft	(WR)	42.1	1.9	98.1	36	17	
70		A-4, SiSa, gry, Moist, Rec. = 1.9 ft	(WH)	26.2	0.4	52.2	47.4		
		A-4, SiSa, gry, Moist, Rec. = 2.0 ft	6-8-1-1 (9)	18.7	13.5	45.6	40.9		
80		A-2-4, GrSiSa, gry, Moist, Rec. = 1.0 ft, Very hard drilling.	21-18-16-15 (34)	8.5	25.5	46.0	28.5		
		Field Note: Boulders & Cobbles, Started mud drilling to advance casing.							
90		A-1-a, SaGr, gry, Moist, Rec. = 1.5 ft, Very hard drilling. Lots of Broken Rock (Cobbles).	60-74-78 (R)	9.1	58.4	29.4	12.2		
		Field Note: Sleaved down to 3.5" casing and continued mud drilling. Advanced casing and cleaned out. Appears to be cobbles with gravel.							
40		Visual Description, SiGrSa with lots of broken rock pieces, gry, Moist, Rec. = 0.5 ft, Insufficient sample for testing.	R@3.5"						
		Field Note: Boulder							
100		Field Note: SiGrSa with lots of broken rock pieces, gry, Moist, Rec. = 0.5 ft, Insufficient sample for testing.	R@6.0"						
		A-1-a, SaGr, gry, Moist, Rec. = 0.3 ft, Mostly Broken Rock (Cobbles). Hole stopped @ 102.3 ft	R@3.5"	13.0	64.6	32.3	3.1		

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BORING LOG 2 NEW HAVEN BRF 0183(1).GPJ VERMONT AOT.GDT 12/11/13

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