



Boring Crew: GEOSEARCH - FITCHBURG, MA, SMC
Date Started: 5/18/11 Date Finished: 5/19/11
VTSPG NAD83: N 611710.35 ft E 1638751.79 ft
Station: 14+24 Offset: -8.00
Ground Elevation: 731.5 ft

Casing Sampler
Type: WB SS
I.D.: 1.38 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/MWJ
Rig: CME 75 Truck CE =

Groundwater Observations		
Date	Depth (ft)	Notes
05/18/11		None observed
05/18/11	27.65	10 hours later

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt, 0.0 ft - 0.85 ft							
2.5		A-1-b, SiSaGr, Dark brown, Moist., Rec. = 1.5 ft, 1.0 ft - 3.0 ft, Fill Material			15-16-14-10 (50)	4.1	53.2	31.6	15.2
		Visual Classification, Fine SAND and silt, trace coarse gravel, moist, loose, brown., Rec. = 1.5 ft			5-3-5-4 (8)				
5.0		A-4, SaSi, brown, Moist., Rec. = 1.3 ft, 5.0 ft - 7.0 ft			4-3-3-4 (6)	17.8	8.2	21.9	69.9
7.5		Visual Classification, Similar to S-3., Rec. = 1.3 ft			2-2-5-6 (7)				
10.0		No recovery., 9.0 ft - 11.0 ft			3-3-2-2 (5)				
12.5		A-4, SaSi, brown, Moist., Rec. = 1.5 ft, 11.0 ft - 13.0 ft			2-2-3-3 (5)	20.9	3.6	41.6	54.8
15.0		Visual Classification, Similar to S-6., Rec. = 1.8 ft			2-2-2-2 (4)				
17.5		A-4, SaSi, brown, Moist., Rec. = 1.3 ft, 15.0 ft - 17.0 ft			1-1-1-1 (2)	32.0	4.7	47.1	48.2
		Visual Classification, Fine SAND and silt, loose brown, moist., Rec. = 1.2 ft			3-3-2-2 (5)				
		Visual Classification, Medium to fine SAND, some silt, trace coarse to fine gravel, loose, brown, moist., Rec. = 1.5 ft			2-2-3-3 (5)				

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor.
3. 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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22.5		A-2-4, SaSi, tan, Moist., Rec. = 1.5 ft, 21.0 ft - 23.0 ft			2-3-2-2 (5)	8.1	3.2	76.5	20.3
		Visual Classification, Fine sand, little silt, loose tan, moist., Rec. = 1.5 ft			2-2-2-2 (4)				
25.0		Visual Classification, Fine SAND, little silt, loose tan/orange, moist, mottling/iron staining observed, weathered rock at tip of sampler., Rec. = 1.3 ft			5-4-6-6 (10)				
27.5		Note: Drill action suggests cobbles/bedrock at 27 feet. Auger refusal at 28 feet. Advanced NX roller bit to 28.5 feet to seat casing.							
30.0		28.5 ft - 33.5 ft, Gray, Meta-Limestone, NXMD, Joint sets high angle, close, rough, undulating, fresh, moderately open.	1	100 (88)					
35.0		33.5 ft - 38.5 ft, Gray, Meta-Limestone, NXMD, Joint sets high angle, close, rough, undulating, fresh, moderately open.	2	100 (69)					
		Hole stopped @ 38.5 ft							

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BORING LOG: 2 BARRE TOWN BRF 6100(7).JET.DWG.DWG VERMONT AOT.GIT 7/15/11

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