



Boring Crew: GEOSEARCH - FITCHBURG, MA, SMC
Date Started: 5/20/11 Date Finished: 5/20/11
VTSPG NAD83: N 611717.98 ft E 1638755.16 ft
Station: 14+26 Offset: -20.00
Ground Elevation: 732.0 ft

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

Groundwater Observations

Date	Depth (ft)	Notes
05/20/11		None observed

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (lip deg.)	Core Rec. (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
2.5		Grass mat/topsoil., Rec. = 0.8 ft, 0.0 ft - 0.2 ft A-1-b, SiSa, gry-brn, Moist, Fill Material				2-3-3-4 (6)	7.5	35.4	47.5	17.1
5.0		SILT, little fine sand, trace fine gravel, gray-brown, loose, moist, Rec. = 0.6 ft, 3.0 ft - 5.0 ft				7-3-2-2 (5)				
10.0		A-4, SiSa, gry-brn, Moist, Rec. = 0.6 ft				1-2-1-2 (3)	27.1	4.3	50.0	45.7
15.0		A-2-4, SiSa, brn, Moist, Rec. = 0.6 ft				8-7-7-5 (14)	17.2		77.8	22.2
18.0		Fine SAND, little silt, brown, medium dense, moist., Rec. = 0.3 ft, 18.0 ft - 20.0 ft				7-8-8-8 (16)				

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 noted. 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, SiSa, brn, Wet				18-60/3" (R)	16.4	2.6	74.8	22.6
25.0		Note: Set casing and began core at 24.5 feet. 24.5 ft - 29.5 ft, Dark gray & white, Meta-Limestone, aphanitic. Hard, Moderately weathered, NXMDC, Joints, low angle to moderately dipping, disintegrated to clayey silt 25 to 26 feet, discolored, close spacing 26 to 29.5 feet, rough, stepped, tight to open.	1	88 (38)	1.5					
27.5					4.5					
30.0		29.5 ft - 34.5 ft, Gray-white, Meta-Limestone, aphanitic. Very hard, NXMDC, Primary joint set low, angle to moderately dipping, close to moderate spacing, rough, stepped, discolored to fresh, tight. Secondary joint set, high angle, wide spacing (36") rough to smooth, planar to undulating, discolored to fresh, tight.	2	100 (93)	4					
32.5					6					
35.0		34.5 ft - 35.5 ft, Meta-Limestone, aphanitic. Very hard, NXMDC	3	100 (100)	6					
37.5		35.5 ft - 39.5 ft, Meta-Limestone, aphanitic. Very hard, NXMDC, Joint, moderately dipping to high angle, very close, intersecting from 36.3 to 37.5 feet, moderately dipping, wide spacing, rough, planar, discolored to fresh.	4	98 (67)	8.5					
					7.5					
					8.5					

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