



STATE OF VERMONT  
 AGENCY OF TRANSPORTATION  
 MATERIALS & RESEARCH SECTION  
 SUBSURFACE INFORMATION

BORING LOG

**WATERBURY  
 NHG SGNL(43)  
 I-89 & VT-100 EXIT #10**

Boring No.: B-103  
 Page No.: 1 of 1  
 Pin No.: 13B018  
 Checked By: LAR

Boring Crew: DAIGNEAULT, GARROW, SALISBURY  
 Date Started: 3/27/13 Date Finished: 3/27/13  
 VTSPG NAD83: N 672240.06 ft E 1575065.88 ft  
 Station: 27+10 Offset: -41.00  
 Ground Elevation: 497.3 ft

Casing Type: WB Sampler: 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 55 TRACK C<sub>s</sub> = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
03/27/13	3.1	Casing was pulled.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (FCD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
2.5		A-1-b, SiGrSa, Dk/brn, Moist, Rec. = 0.8 ft				WH-1-2-1 (3)	16.1	33.2	44.6	22.2
		A-2-4, GrSiSa, Dk/brn, Moist, Rec. = 0.4 ft								
		A-1-b, SaGr, gry, Moist, Rec. = 0.7 ft, Lab Note: Sample was mostly Broken & Pulverized Rock. Field Note:, NXDC Field Note:, NXDC, Possible Ledge Cut Fill								
7.5		7.0 ft - 9.0 ft, Laminated dark-gray to black, Carbonaceous to highly graphitic Phyllite, and white quartz. Moderately hard, Unweathered, Poor rock, BXMDC, RMR = 36	1	85 (0)	6					
10.0		9.0 ft - 14.0 ft, Laminated dark-gray to black, Carbonaceous to highly graphitic Phyllite, and white quartz. Moderately hard, Unweathered, Poor rock, BXMDC, RMR = 36	2	38 (0)	6					
12.5					5					
					6					
					9					
15.0	Hole stopped @ 14.0 ft									
17.5	Remarks: Hole collapsed at 5.4 ft.									
20.0										
22.5										

Notes:  
 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
 2. N Values have not been corrected for hammer energy. 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.

BORING LOG 2 WATERBURY NHG SGNL(43).GPJ VERMONT AOT.GDT 4/15/13