



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: <b>DAIGNEAULT, GARROW, SALISBURY</b>	Casing Type: <b>WB</b>	Sampler: <b>SS</b>	Groundwater Observations		
Date Started: <b>3/27/13</b> Date Finished: <b>3/27/13</b>	I.D.: <b>4 in</b>	I.D.: <b>1.5 in</b>	Date	Depth (ft)	Notes
VTSPG NAD83: <b>N 672240.06 ft E 1575065.88 ft</b>	Hammer Wt: <b>N.A.</b>	Hammer Fall: <b>140 lb.</b>	03/27/13	3.1	Casing was pulled.
Station: <b>27+10</b> Offset: <b>-41.00</b>	Hammer/Rod Type: <b>Auto/AWJ</b>	Rig: <b>CME 55 TRACK</b>			
Ground Elevation: <b>497.3 ft</b>		<b>C<sub>r</sub> = 1.46</b>			

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
0.0 - 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	
2.5 - 5.0		A-2-4, GrSiSa, Dk/brn, Moist, Rec. = 0.4 ft				3-10-R@6.0" (R)	15.1	27.6	42.9	29.5	
5.0 - 7.0		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			2.4						50.8
7.0 - 9.0		7.0 ft - 9.0 ft, Laminated dark-gray to black, Carbonaceous to highly graphitic Phyllite, and white quartz. Moderately hard, Unweathered, Poor (70) rock, BXMDC, RMR = 36	1	85 (0)	6						
9.0 - 14.0		9.0 ft - 14.0 ft, Laminated dark-gray to black, Carbonaceous to highly graphitic Phyllite, and white quartz. Moderately hard, Unweathered, Poor (70) rock, BXMDC, RMR = 36	2	38 (0)	6						
14.0 - 15.0		Hole stopped @ 14.0 ft									
15.0 - 17.5		Remarks: Hole collapsed at 5.4 ft.									

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<sub>r</sub> 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) GP1 VERMONT AOT.GDT 4/15/13

PROJECT NAME: <b>WATERBURY</b>	PLOT DATE: <b>12/31/2013</b>
PROJECT NUMBER: <b>NHG SGNL(43)</b>	DRAWN BY: <b>I. DEGUTIS</b>
FILE NAME: <b>+13b018geo.dgn</b>	CHECKED BY: <b>M. LACROIX</b>
PROJECT LEADER: <b>P. COBURN</b>	SHEET <b>4</b> OF <b>17</b>
DESIGNED BY: <b>I. DEGUTIS</b>	
BORING DATA SHEET <b>2</b>	