



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

BORING LOG

SWANTON  
 NH 036-1(9)  
 VT-78 ROADWAY

Boring No.: **B-111**

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Pin No.: 96B032

Checked By: CEE

Boring Crew: GARROW, NIETO  
 Date Started: 3/05/14 Date Finished: 3/05/14  
 VTSPG NAD83: N 898391.89 ft E 1466422.26 ft  
 Station: 1213+42 Offset: -18.00  
 Ground Elevation: 98.9 ft

Casing H.S.A. Sampler SS & TUBE  
 I.D.: 3.25 in 1.5 in  
 Hammer Wt: N.A. 140 lb.  
 Hammer Fall: N.A. 30 in.  
 Hammer/Rod Type: Auto/AWJ  
 Rig: CME 45C TRACK C<sub>r</sub> = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
03/05/14	14.4	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Visual Description:, Broken Rock (Limestone), gry, Moist, Rec. = 0.3 ft	45-R@1.0" (R)	6.3			
		Field Note:, No Recovery	14-8-8-7 (16)				
5		A-1-a, SaGr, brn, Moist, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample.	2-4-4-4 (8)	19.6	53.8	34.3	11.9
		A-2-4, SaSiGr, gry, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.	1-2-3-3 (5)	16.7	42.2	28.2	29.6
		Field Note:, SiCl Shelby Tube, Moist, Rec. = 1.9 ft					
10		A-4, Si, gry, MTW, Rec. = 0.5 ft, Lab Note: A very small section of clay was noticeable.	1-2-1-1 (3)	28.6	0.9	13.3	85.8
		A-4, SaSi, gry, MTW, Rec. = 1.1 ft, Lab Note: A very small section of clay was noticeable.		29.7		25.9	74.1
15		A-3, Sa, Lt/gry, Wet, Rec. = 1.6 ft	1-1-1-1 (2)	23.4	0.4	96.7	2.9
20		A-4, Si, gry, Wet, Rec. = 1.3 ft, Sample tested: Trace of Organics (2.3%)	WR-WR-WH-1 (WH)	36.7	0.2	11.6	88.2
		Hole stopped @ 22.0 ft					
25		Remarks: 1. Hole collapsed at 4.0 ft. 2. Moved hole due to utilities.					

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 SWANTON NH 036-1(9).GPJ VERMONT AOT.GDT 8/4/14