



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

BORING LOG

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

Boring No.: **B-117**

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Pin No.: 96B032

Checked By: CEE

Boring Crew: GARROW, HOOK, NIETO  
 Date Started: 4/01/14 Date Finished: 4/01/14  
 VTSPG NAD83: N 897146.70 ft E 1467483.49 ft  
 Station: 1230+00 Offset: 21.00  
 Ground Elevation: 98.8 ft

Casing H.S.A. Sampler SS  
 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  $C_r = 1.34$

Groundwater Observations

Date	Depth (ft)	Notes
04/01/14	14.0	After drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-4, SaSi with roots & sticks, brn, Moist, Rec. = 0.8 ft, Lab Note: A very small layer of clay was noticeable.	1-1-1-1 (2)	32.1	18.3	35.7	46.0
		A-4, Si, brn, MTW, Rec. = 1.7 ft	WH-WH-WH-WH (WH)	39.1	0.1	14.8	85.1
		A-4, Si, gry-Lt/brn, Wet, Rec. = 1.3 ft, Lab Note: A small layer of clay was noticeable.	2-3-4-5 (7)	24.6		11.4	88.6
		A-4, SaSi, gry, Wet, Rec. = 1.8 ft, Lab Note: Wood & sticks were within sample.	2-3-4-3 (7)	40.5		43.9	56.1
		A-4, SiSa, gry, Wet, Rec. = 1.4 ft, Lab Note: Wood pieces were within sample.	2-2-2-2 (4)	35.5	0.1	54.3	45.6
10		A-3, Sa, gry, Wet, Rec. = 1.8 ft	WH-3-4-2 (7)	24.7		93.5	6.5
15		A-4, Si, gry, Wet, Rec. = 1.3 ft, Lab Note: A very small layer of clay was noticeable.	WH-WH-WH-2 (WH)	34.6		11.9	88.1
20		A-2-4, SiSa, gry, Wet, Rec. = 1.3 ft	WH-WH-WH-WH (WH)	38.3	0.4	75.4	24.2
Hole stopped @ 22.0 ft							
25		Remarks: 1. Hole collapsed at 2.0 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 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