



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

BORING LOG

STOWE
BHF 0235(15)
VT-108 BR-3

Boring No.: **B-104**

Page No.: 1 of 1

Pin No.: 88C190

Checked By: MLM

Boring Crew: DAIGNEAULT, JUDKINS
Date Started: 8/21/13 Date Finished: 8/22/13
VTSPG NAD83: N 718957.36 ft E 1586495.57 ft
Station: 16+26 Offset: 20.00
Ground Elevation: 745.5 ft

Type: WB 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_s = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
08/22/13	19.5	While drilling.

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 %	
		A-2-4, SiGrSa, brn, Moist, Rec. = 0.6 ft				1-1-4-3 (5)	4.8	26.1	49.9	24.0	
		A-2-4, SiGrSa, brn, Moist, Rec. = 0.8 ft				3-3-4-3 (7)	6.3	25.4	50.2	24.4	
10		Visual Description: Lots of Broken Rock with Sand, brn, Moist, Rec. = 0.2 ft				4-6-7-5 (13)	5.7				
		A-2-4, SiSaGr, brn, Moist, Rec. = 0.4 ft				6-5-5-5 (10)	14.2	36.3	33.2	30.5	
		A-2-4, GrSiSa, brn, Moist, Rec. = 0.7 ft, Some Broken Rock was within sample.				6-5-22-R (27)	14.2	25.6	43.4	31.0	
		Visual Description: Broken Rock with Silty Sand, brn-gry, Moist, Rec. = 0.2 ft				12-7-5-5 (12)	8.9				
		A-1-b, SiSaGr, brn, Moist, Rec. = 0.4 ft				2-4-6-9 (10)	9.1	51.7	26.6	21.7	
		Field Note: No Recovery				9-7-7-9 (14)					
20		Visual Description: SaGr with Broken Rock, gry, MTW, Rec. = 0.4 ft, Insufficient sample for testing.				7-7-15-15 (22)	8.9				
		A-1-b, SiSaGr, brn, MTW, Rec. = 0.3 ft				8-6-7-5 (13)	10.5	43.8	30.7	25.5	
		A-4, Si, brn, Wet, Rec. = 0.8 ft				5-2-3-3 (5)	30.8	1.9	8.7	89.4	
		A-4, Si, gry, Wet, Rec. = 1.2 ft				2-2-3-3 (5)	29.6		6.2	93.8	
30		A-4, SaSi, gry, Wet, Rec. = 1.0 ft				4-6-5-4 (11)	24.1	2.0	25.2	72.8	
		Visual Description: Broken Rock with Silty Sand, gry, MTW, Rec. = 0.4 ft				11-7-6-8 (13)	7.0				
40		38.5 ft - 39.5 ft, Dark gray & black, Carbonaceous, graphitic, biotite-muscovite-quartz Phyllite, with silicic laminae. Moderately hard, Unweathered, Poor rock, NXDC, Low RQD may be due to mechanical breakage along foliation planes. RMR = 39	1 (45)	80 (0)	3	Top of Bedrock @ 38.5 ft					
		39.5 ft - 44.5 ft, Dark gray & black, Carbonaceous, graphitic, biotite-muscovite-quartz Phyllite, with silicic laminae. Moderately hard, Unweathered, Poor rock, NXDC, Low RQD may be due to mechanical breakage along foliation planes. RMR = 39	2 (45)	100 (0)	4						
		44.5 ft - 49.5 ft, Dark gray & black, Carbonaceous, graphitic, biotite-muscovite-quartz Phyllite, with silicic laminae. Moderately hard, Unweathered, Poor rock, NXDC, Low RQD may be due to mechanical breakage along foliation planes. RMR = 39	3 (45)	100 (20)	3						
		Hole stopped @ 49.5 ft			4						
50		Remarks: 1. Hole collapsed at 13.8 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 STOWE BHF 0235(15), GPJ VERMONT AOT.GDT 9/30/13