



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

BORING LOG

STOWE  
BHF 0235(11)  
VT-108 BR-2

Boring No.: **B-103**

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Pin No.: 87E052

Checked By: \_\_\_\_\_

Boring Crew: JUDKINS, GARROW, NIETO  
Date Started: 1/13/14 Date Finished: 1/14/14  
VTSPG NAD83: N 716867.87 ft E 1591265.66 ft  
Station: 4+78 Offset: -9.30  
Ground Elevation: 704.81 ft

Casing: 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 = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
01/14/14	2.7	While drilling.
01/14/14	1.1	Hole collapsed.

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 %
5		A-1-b, SaGr, gry, Moist, Rec. = 1.3 ft, Lab Note: Mostly Broken Rock pieces (Phyllite).				30-17-5-2 (22)	14.1	52.1	29.6	18.3
		A-1-a, SaGr, brn-gry, Moist, Rec. = 0.7 ft, Lab Note: Mostly Broken Rock pieces (Phyllite).				3-10-8-7 (18)	10.1	56.5	31.9	11.6
		A-4, SaSi, gry-Lt/brn, Moist, Rec. = 1.3 ft				3-4-5-6 (9)	18.4	6.3	39.0	54.7
		A-4, GrSaSi, gry-Lt/brn, Moist, Rec. = 1.2 ft, Lab Note: Broken Rock pieces (Phyllite) were within sample.				5-6-8-R@1.0" (14)	16.7	22.1	35.2	42.7
		A-1-b, SiSaGr, gry-rust, Moist, Rec. = 0.3 ft, Lab Note: Broken & Weathered Rock pieces (Phyllite) were within sample.				R@3.5"	14.4	39.2	36.9	23.9
10		A-4, SaSi, gry, Moist, Rec. = 1.2 ft, Lab Note: Broken Rock pieces (Phyllite) were within sample.				9-7-7-7 (14)	22.3	10.4	42.0	47.6
		A-4, GrSaSi, gry, Moist, Rec. = 1.5 ft, Lab Note: Broken Rock pieces (Phyllite) were within sample.				4-5-8-14 (13)	16.4	30.5	33.5	36.0
		A-1-b, SaGr, gry, Moist, Rec. = 1.4 ft, Lab Note: Broken Rock pieces (Phyllite) were within sample.				32-36-R@5.0" (R) R@1.0"	11.9	50.9	31.9	17.2
20		Visual Description: Broken Rock pieces (Phyllite), gry, Moist, Rec. = 0.1 ft	1 (60)	80 (0)	5					
		16.1 ft - 21.1 ft, Dark gray, Carbonaceous biotite-muscovite-quartz Phyllite, with quartz laminae. Moderately soft, Fair rock, NXMDC, Upper part of Run was Unweathered. Lower part of Run was Moderately Weathered. RMR = 44								
25		21.1 ft - 26.1 ft, Dark gray, Carbonaceous biotite-muscovite-quartz Phyllite, with quartz laminae. Moderately soft, Unweathered, Fair rock, NXMDC, RMR = 54	2 (60)	100 (60)	4					
					5					
					6					
					5					
					6					
Hole stopped @ 26.1 ft										
30		Remarks: 1. Drilling was performed from the bridge deck. 2. Asphalt Pavement depth was 0.13 ft. 3. Concrete depth was 0.97 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(11).GPJ VERMONT AOT.GDT 1/31/14