



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

BORING LOG

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

Boring No.: **B-102**

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Pin No.: 87E052

Checked By: _____

Boring Crew: JUDKINS, GARROW, NIETO
 Date Started: 1/17/14 Date Finished: 1/17/14
 VTSPG NAD83: N 716764.62 ft E 1591346.47 ft
 Station: 3+48 Offset: 7.70
 Ground Elevation: 702.41 ft

Casing Type: 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_r = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
01/17/14	2.0	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 %
2.5		A-1-b, SaGr, brn-gry, Moist, Rec. = 1.2 ft, Lab Note: Broken Rock was within sample.				25-11-4-3 (15)	6.9	45.3	36.4	18.3
5.0		A-2-4, SiGrSa, white-brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.				4-3-10-8 (13)	12.8	28.3	49.4	22.3
5.0		A-2-4, GrSiSa, brn-gry, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.				4-2-2-2 (4)	28.3	24.2	42.7	33.1
7.5		A-1-b, SaGr, brn-gry, Moist, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample.				4-10-R@0.0" (R)	15.7	52.8	29.0	18.2
8.0 - 13.0		8.0 ft - 13.0 ft, Grayish green, Chlorite-muscovite-quartz Phyllitic Schist, with quartzofeldspathic layers. Moderately soft, Unweathered, Fair rock, NXMDC, RMR = 58	1 (60)	100 (84)	6	Top of Bedrock @ 8.0 ft				
13.0 - 18.0		13.0 ft - 18.0 ft, Grayish green, Chlorite-muscovite-quartz Phyllitic Schist, with quartzofeldspathic layers. Moderately soft, Unweathered, Fair rock, NXMDC, RMR = 58	2 (60)	100 (80)	3					
18.0	Hole stopped @ 18.0 ft									
20.0	Remarks: 1. Drilling was performed from the bridge deck. 2. Asphalt Pavement depth was 0.15 ft. 3. Concrete depth was 0.67 ft. 4. Hole collapsed at 7.0 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_r 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