



STATE OF VERMONT  
 AGENCY OF TRANSPORTATION  
 CONSTRUCTION AND  
 MATERIALS BUREAU  
 CENTRAL LABORATORY

**BORING LOG**

**Plymouth  
 BF 013-3(13)  
 VT-100 Culv. 115**

Boring No.: **B-105**

Page No.: **1 of 1**

Pin No.: **12b596**

Checked By: **END**

Boring Crew: Emerson, Judkins, Gomes  
 Date Started: 10/18/16 Date Finished: 10/19/16  
 VTSPG NAD83: N 394422.55 ft E 1571981.50 ft  
 Station: 507+83 Offset: -24.30  
 Ground Elevation: 1252.6 ft

Type: WB Casing SS Sampler  
 I.D.: 3 in 1.5 in  
 Hammer Wt: N.A. 140 lb.  
 Hammer Fall: N.A. 30 in.  
 Hammer/Rod Type: Auto/AWJ  
 Rig: Diedrich 25 C<sub>r</sub> = Unkown

Groundwater Observations		
Date	Depth (ft)	Notes
10/19/16		No W.T. observed

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, brn, Dry, Rec. = 0.7 ft, Lab Note: Plant material was within sample				3-3-5-8 (8)	6.4	53.7	34.6	11.7
		A-1-b, GrSa, brn, Dry, Rec. = 1.0 ft				4-3-4-7 (7)	7.1	41.2	44.5	14.3
		A-1-b, GrSa, brn, Dry, Rec. = 1.5 ft				9-9-7-7 (16)	5.8	28.2	53.0	18.8
		A-1-b, GrSa, brn, Dry, Rec. = 1.6 ft				6-7-5-7 (12)	6.3	32.5	47.9	19.6
10		A-2-4, SiSa, brn, Dry, Rec. = 0.6 ft				7-7-6-6 (13)	8.3	17.9	56.3	25.8
		Field Note:, No Recovery				6-9-9-7 (18)				
		Field Note:, BXDC, cleaned out casing								
15		A-1-b, SaGr, brn, Moist, Rec. = 0.6 ft				5-3-3-5 (6)	13.4	42.8	39.8	17.4
		Field Note:, Rollercone, cleaned out casing								
		A-1-b, SaGr, gry-brn, Moist, Rec. = 0.9 ft, Lab Note: Sample was rust colored				8-8-19-R@2.5" (27)	12.2	43.0	37.7	19.3
		Field Note:, BXDC, cleaned out casing								
20		A-1-b, SiSaGr, gry-brn, Moist, Rec. = 0.8 ft, Lab Note: Broken rock and a lot of weathered rock was within sample. Sample was rust colored	1 (40-50)	55 (0)	4	35-R@3.5" (R)				
		16.8 ft - 20.8 ft, Silvery-gray to light gray, Carbonaceous muscovite-biotite-quartz-pyrite PHYLLITE, with dolomitic laminae and rare magnetite. Brown staining along joints. Moderately hard, Unweathered, Fair rock, BX, RMR=44 Low RQD could be due to mechanical breakage			3					
					4					
					6					
25		20.8 ft - 25.8 ft, Silvery-gray to light gray, Carbonaceous muscovite-biotite-quartz PHYLLITE, with dolomitic lenses/laminae and rare magnetite. Faint rust staining along joints. Moderately hard, Unweathered, Fair rock, BX, RMR=49	2 (30)	80 (42)	3					
					3					
					4					
					4					
30		Hole stopped @ 25.8 ft								
		Remarks: Hole collapsed at 12.5 feet.  1. Top of Bedrock 16.8 feet.								

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.