



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-101  
 Page No.: 1 of 1  
 Pin No.: 12b596  
 Checked By: END

Boring Crew: Emerson, Garrow, Gomes  
 Date Started: 10/04/16 Date Finished: 10/05/16  
 VTSPG NAD83: N 394406.50 ft E 1571990.99 ft  
 Station: 507+65 Offset: -20.00  
 Ground Elevation: 1253.8 ft

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 45C SKID C<sub>e</sub> = 1.42

Groundwater Observations		
Date	Depth (ft)	Notes
10/05/16	12.5	W.T. before 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 %								
5		A-1-b, GrSa, brn, Moist, Rec. = 0.4 ft, Lab Note: Plant material was within sample				WH-1-2-1 (3)	10.5	34.8	46.6	18.6								
		A-1-b, GrSa, brn, Moist, Rec. = 1.3 ft				2-6-6-5 (12)	6.4	34.3	46.9	18.8								
		A-1-b, SiGrSa, brn, Moist, Rec. = 1.4 ft				8-8-8-8 (16)	7.4	31.7	44.1	24.2								
		Field Note:., Rollercone, cleaned out casing				7-15-7-7 (22)	12.9	47.1	24.8	28.1								
10		A-2-4, SaSiGr, brn, Moist, Rec. = 0.3 ft																
		Field Note:., Rollercone, cleaned out casing									5-5-8-9 (13)	13.2	32.1	45.6	22.3			
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.6 ft									12-13-9-6 (22)							
		Field Note:., No Recovery									3-1-1-1 (2)							
15		A-2-4, SiSa, Dk/brn, Moist, Rec. = 0.9 ft, Lab Note: Decomposing wood was within sample																
		A-1-b, SaGr, brn, Moist, Rec. = 0.4 ft, Lab Note: A small amount of decomposing wood was within sample									WH-3-R@3.5" (R)	16.1	52.8	34.2	13.0			
		Field Note:., NXDC, cleaned out casing									5-17-R@3.5" (R)	13.3	39.7	38.3	22.0			
		A-1-b, SiSaGr, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken and weathered rock was within sample																
20		17.7 ft - 21.7 ft, Gray, Carbonaceous muscovite-biotite-quartz PHYLLITE, with dolomitic laminae and rare pyrite. Rust staining along joints. Moderately hard, Slightly weathered, Poor rock, NX, RMR=39	1 (50)	85 (23)	6													
25		21.7 ft - 26.7 ft, Gray, Carbonaceous muscovite-biotite-quartz PHYLLITE, with dolomitic laminae and rare pyrite. Faint brown staining along joints. Moderately hard, Unweathered, Fair rock, NX, RMR=51	2 (50)	92 (68)	3													
30		26.7 ft - 27.7 ft, Gray, Carbonaceous muscovite-biotite-quartz PHYLLITE, with dolomitic laminae and rare pyrite. Rust and brown staining along joints. Moderately hard, Unweathered, Fair rock, NX, RMR=44	3 (40-50)	100 (40)	5													
		Hole stopped @ 27.7 ft																
Remarks: Hole collapsed at 8.5 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<sub>e</sub> 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 - Z PLYMOUTH BF 013-3(13).GPJ VERMONT AOTI.GDT 11/2/16