



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-103**

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Pin No.: 12b596

Checked By: END

Boring Crew: Gomes, Judkins, Emerson
Date Started: 10/07/16 Date Finished: 10/18/16
VTSPG NAD83: N 394452.04 ft E 1572018.82 ft
Station: 508+01 Offset: 20.00
Ground Elevation: 1249.9 ft

Casing WB Sampler SS
Type: WB SS
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_s = Unknwn

Groundwater Observations		
Date	Depth (ft)	Notes
10/18/16	11.7	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, Dry, Rec. = 0.8 ft, Lab Note: Plant material was within sample				2-3-3-4 (6)	8.7	40.1	43.3	16.6	
		A-2-4, GrSa, brn, Dry, Rec. = 1.0 ft				5-5-5-4 (10)	7.3	31.9	51.8	16.3	
		A-1-b, GrSa, brn, Dry, Rec. = 0.8 ft					5-4-5-8 (9)	6.4	42.7	44.0	13.3
		A-2-4, SiGrSa, brn, Dry, Rec. = 0.2 ft, Lab Note: Broken rock was within sample					9-6-5-7 (11)	7.2	33.7	42.2	24.1
10		A-1-b, GrSa, brn, Dry, Rec. = 1.5 ft				4-7-9-6 (16)	10.4	39.3	42.1	18.6	
		Field Note:, No Recovery				11-5-2-4 (7)					
		A-1-b, GrSa, brn, Moist, Rec. = 0.4 ft, Lab Note: Large pieces of wood were within sample Field Note:, NXDC, Cleaned out casing					21-R@3.5" (R)	53.4	36.6	49.5	13.9
15		A-2-4, GrSiSa, blk-brn, Moist, Rec. = 0.4 ft, Lab Note: Broken and weathered rock was within sample				18-R@3.5" (R)	15.7	25.1	43.0	31.9	
		14.8 ft - 19.8 ft, Silvery-gray, Carbonaceous muscovite-biotite-quartz-pyrite PHYLLITE, with dolomitic lenses/laminae. Yellow and rust staining along joints. Moderately hard, Unweathered, Poor rock, BX, RMR=36 Low RQD could be due to mechanical breakage	1 (50)	56 (0)	7						
20		19.8 ft - 23.8 ft, Silvery-gray, Carbonaceous muscovite-biotite-quartz-pyrite PHYLLITE, with dolomitic lenses/laminae. Rust and orange staining along joints. Medium to moderately hard, Very slightly weathered, Poor rock, BX, RMR=36 Low RQD could be due to mechanical breakage	2 (40-50)	58 (0)	6						
		23.8 ft - 28.8 ft, Silvery-gray, Carbonaceous muscovite-biotite-quartz-pyrite PHYLLITE, with few dolomitic lenses/laminae. Faint brown and rust staining along joints. Moderately hard, Very slightly weathered, Poor rock, BX, RMR=39 Low RQD could be due to mechanical breakage	3 (40-50)	40 (0)	5						
25					6						
					6						
					5						
					15						
30					4						
					4						
					10						
					6						
30		Hole stopped @ 28.8 ft									
		Remarks: Hole collapsed at 10.6 feet. 1. Top of Bedrock 14.8 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_s 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.