



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-102**

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Pin No.: 12b596

Checked By: END

Boring Crew: Gomes, Garrow
Date Started: 10/05/16 Date Finished: 10/06/16
VTSPG NAD83: N 394442.36 ft E 1571981.84 ft
Station: 508+00 Offset: -20.00
Ground Elevation: 1252.6 ft

Casing WB Sampler SS
Type: WB 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_s = 1.42

Groundwater Observations

Date	Depth (ft)	Notes
10/06/16		No W.T. recorded

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-2-4, SiGrSa, brn, Moist, Rec. = 0.9 ft, Lab Note: Plant material was within sample				WH-1-2-6 (3)	12.0	25.6	54.2	20.2			
		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft				5-9-10-12 (19)	6.4	41.4	41.4	17.2			
		A-1-b, GrSa, brn, Moist, Rec. = 1.6 ft, Lab Note: Broken rock was within sample				12-18-16-11 (34)	5.8	36.1	44.3	19.6			
		A-1-a, SaGr, brn, Moist, Rec. = 0.3 ft, Lab Note: Broken rock was within sample				9-5-3-5 (8)	4.0	59.5	28.1	12.4			
10		Field Note: NXDC, Cleaned out casing				8-7-5-5 (12)							
		Field Note: NXDC, Cleaned out casing				5-4-4-3 (8)	13.6	32.9	48.4	18.7			
		A-1-b, GrSa, brn, Moist, Rec. = 0.4 ft				5-2-2-1 (4)							
		Field Note: NXDC, Cleaned out casing				3-3-14-11 (17)	11.1	49.1	38.4	12.5			
		Field Note: NXDC, Cleaned out casing											
		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft											
15		Field Note: NXDC, Cleaned out casing											
		16.0 ft - 21.0 ft, Gray, Muscovite-biotite-quartz PHYLLITE, with dolomitic and quartz laminae and rare pyrite. Rust staining along joints. Moderately hard, Slightly weathered, Poor rock, NX, RMR=36				1 (30-40)	78 (14)	5	Top of Bedrock @ 16.0 ft				
					5								
					5								
20					5								
					5								
		21.0 ft - 26.0 ft, Gray, Muscovite-biotite-quartz PHYLLITE, with few dolomitic lenses/laminae and rare pyrite. Rust and brown staining along joints. Moderately hard, Slightly weathered, Fair rock, NX, RMR=53	2 (30-40)	100 (76)	5								
					5								
25					3								
					4								
					5								
30		Hole stopped @ 26.0 ft											
		Remarks: Hole collapsed at 8.8 feet.											
		1. Stone was stuck in end of sampler in 6 foot to 8 foot sample.											

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.