



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-104**
Page No.: 1 of 1
Pin No.: 12b596
Checked By: **END**

Boring Crew: Emerson, Garrow, Gomes
Date Started: 10/03/16 Date Finished: 10/04/16
VTSPG NAD83: N 394488.95 ft E 1572000.76 ft
Station: 508+42 Offset: 9.80
Ground Elevation: 1249.2 ft

Casing: 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_s = 1.42

Groundwater Observations

Date	Depth (ft)	Notes
10/04/16	11.4	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 %
		Asphalt Pavement, 0.0 ft - 1.0 ft								
		A-1-b, GrSa, brn, Moist, Rec. = 1.3 ft				8-13-15-14 (28)	7.1	36.2	46.8	17.0
		A-2-4, SiSa, brn, Moist, Rec. = 1.7 ft				12-9-8-9 (17)	8.6	19.0	60.3	20.7
5		A-2-4, SiSa, brn, Moist, Rec. = 1.5 ft				6-6-4-4 (10)	11.1	14.0	64.5	21.5
		Field Note:, Rollercone, cleaned out casing								
		A-1-b, GrSa, brn, Moist, Rec. = 0.3 ft				4-4-4-4 (8)	15.4	34.8	48.4	16.8
10		Field Note:, No Recovery				4-2-1-WH (3)				
		Field Note:, Rollercone, cleaned out casing								
		A-1-a, SaGr, brn-blk, Moist, Rec. = 1.2 ft, Lab Note: Broken rock and a small amount of asphalt pavement was within sample				14-5-13-18 (18)	12.8	54.7	34.4	10.9
		Field Note:, NXDC, cleaned out casing								
		Field Note:, Cobbles and Boulder								
15										
		A-1-b, GrSa, Lt/brn, Moist, Rec. = 0.7 ft, Lab Note: A small amount of broken rock was within sample				13-13-R@3.5" (R)	13.9	39.1	41.3	19.6
		Field Note:, NXDC, cleaned out casing								
20		20.0 ft - 25.0 ft, Gray, Carbonaceous muscovite-biotite-quartz-pyrite PHYLLITE, with dolomitic laminae. Rust and brown staining along joints. Moderately hard, Very slightly weathered, Fair rock, NX, RMR=46	1 (50)	96 (56)	5 3 3 3	Top of Bedrock @ 20.0 ft				
25		25.0 ft - 30.0 ft, Gray, Carbonaceous muscovite-biotite-quartz-pyrite PHYLLITE, with dolomitic laminae. Faint brown staining along joints. Moderately hard, Unweathered, Fair rock, NX, RMR=54	2 (50)	96 (72)	3 3 3 4 3					
30		Hole stopped @ 30.0 ft								
		Remarks: Hole Collapsed at 7.1 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.