



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

BORING LOG

Chester  
 BF 0134(50)  
 VT 11 Culv. 51

Boring No.: B-102  
 Page No.: 1 of 1  
 Pin No.: 16b069  
 Checked By: SPM

Boring Crew: Garro, Judkins, Emerson  
 Date Started: 9/15/16 Date Finished: 9/15/16  
 VTSPG NAD83: N 282684.97 ft E 1622088.88 ft  
 Station: 359+00 Offset: 25.00  
 Ground Elevation: 714.3 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 55 TRACKER <<SUB>> = 1.41

Groundwater Observations		
Date	Depth (ft)	Notes
09/15/16	11.7	W.T. after 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				1-2-4-3 (6)	2.5	30.3	57.8	11.9
		A-1-b, SiGrSa, brn, Moist, Rec. = 1.2 ft, Lab Note: Broken rock was within sample				3-3-6-3 (9)	6.2	31.1	47.0	21.9
		A-2-4, GrSiSa, brn, Moist, Rec. = 0.9 ft				6-5-4-3 (9)	6.6	22.0	54.2	23.8
		A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken rock was within sample				3-6-8-8 (14)	3.9	43.6	44.6	11.8
		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft, Lab Note: Broken rock was within sample				7-7-R@2.5" (R)	5.8	35.0	52.2	12.8
10		Field Note: NXDC, Cleaned out casing								
		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft, Lab Note: Broken rock was within sample				25-17-20-20 (37)	11.5	47.8	38.0	14.2
		Field Note: NXDC, Cleaned out casing								
15		A-1-b, GrSa, brn-gry, Moist, Rec. = 0.4 ft, Lab Note: Broken rock was within sample				R@5" (R)	13.9	41.1	42.4	16.5
		Field Note: NXDC, Cleaned out casing								
		A-1-b, SaGr, gry-blk, Moist, Rec. = 0.7 ft				17-22-28-R@1" (50)	9.1	54.0	30.7	15.3
		Field Note: NXDC, Cleaned out casing								
		Field Note: No Recovery								
20		Field Note: NXDC, Cleaned out casing								
		18.0 ft - 23.0 ft, White to gray, Biotite-muscovite-quartz-plagioclase GNEISS, with brown staining on joints. Seam noted during drilling 20.7 feet to 21.5 feet. Hard, Very slightly weathered, Good rock, NX, RMR=66	1 (40)	80 (78)	2	Top of Bedrock @ 18.0 ft				
25		23.0 ft - 28.0 ft, White to gray, Biotite-muscovite-quartz-plagioclase GNEISS, with faint brown/tan staining along joints. Hard, Unweathered, Good rock, NX, RMR=74	2 (50)	100 (100)	3					
					2					
					2					
					2					
					2					
30		Hole stopped @ 28.0 ft								
		Remarks: Hole collapsed at 10.5 feet.								

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
 <<SUB>><<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 2 GILLESPIE DRIVE VERMONT PROJ. SET 10/17/16