



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-101
Page No.: 1 of 1
Pin No.: 16b069
Checked By: MLM

Boring Crew: Garrow, Judkins, Emerson
Date Started: 9/13/16 Date Finished: 9/13/16
VTSPG NAD83: N 282685.36 ft E 1622038.88 ft
Station: 359+00 Offset: -25.00
Ground Elevation: 712.5 ft

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 55 TRACKER = 1.41

Groundwater Observations		
Date	Depth (ft)	Notes
09/13/16	11.2	W.T. during 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. = 0.8 ft				1-1-1-3 (2)	5.0	41.2	50.9	7.9	
		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft				2-3-4-8 (7)	4.2	48.8	39.4	11.8	
10		A-4, SiSa, brn, Moist, Rec. = 1.3 ft				5-4-9-4 (13)	9.1	14.7	49.1	36.2	
		Field Note:, NXDC, Cleaned out casing									
		A-4, SiSa, brn, Moist, Rec. = 1.3 ft Field Note:, NXDC, Cleaned out casing					19-4-5-6 (9)	13.6	18.3	42.3	39.4
		A-4, SaSi, gry, Moist, Rec. = 1.1 ft					10-5-6-8 (11)	15.3	8.6	39.2	52.2
15		Field Note:, NXDC, Cleaned out casing									
		A-4, SaSi, gry, Moist, Rec. = 1.2 ft, Lab Note: Pieces of wood and broken rock were within sample Field Note:, NXDC, Cleaned out casing					9-5-7-9 (12)	14.3	18.6	38.6	42.8
		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft					10-10-14- R@1" (24)	11.0	43.6	45.0	11.4
		Field Note:, NXDC, Cleaned out casing, Boulder									
20		Field Note:, NXDC, Cleaned out casing									
		A-1-b, SaGr, white-brn, Moist, Rec. = 0.5 ft, Lab Note: Broken rock was within sample Field Note:, NXDC, Cleaned out casing					R@6" (R)	10.5	50.3	37.5	12.2
		20.0 ft - 25.0 ft, White/light gray, Biotite-muscovite-quartz-plagioclase GNEISS, with brown/tan staining along joints. Hard, Very slightly weathered, Fair rock, NX, RMR=57	1 (50)	88 (41)	4	Top of Bedrock @ 20.0 ft					
25											
30		25.0 ft - 27.1 ft, White/light gray to dark gray, Biotite-muscovite-quartz-plagioclase GNEISS, with brown staining along joints. Hard, Very slightly weathered, Fair rock, NX, RMR=50	2 (50)	66 (55)	3						
		27.1 ft - 30.0 ft, White/light gray to dark gray, Biotite-muscovite-quartz-plagioclase GNEISS, with brown staining along joints. Medium hard, Moderately weathered, Fair rock, RMR=50			4						
					2						
Hole stopped @ 30.0 ft											
Remarks: Hole collapsed at 16.3 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.