



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-103**

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Pin No.: 16b069

Checked By: SPM

Boring Crew: Judkins, Garrow, Gomes
Date Started: 9/14/16 Date Finished: 9/14/16
VTSPG NAD83: N 282710.14 ft E 1622038.97 ft
Station: 359+25 Offset: -25.00
Ground Elevation: 713.0 ft

Type: 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 = 1.41

Groundwater Observations		
Date	Depth (ft)	Notes
09/14/16	8.1	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, Dry, Rec. = 0.6 ft, Lab Note: Pieces of wood and plant material were within sample				WH-WH-2-2 (2)	6.7	32.4	55.5	12.1	
		A-2-4, GrSiSa, brn, Moist, Rec. = 1.3 ft				3-4-3-4 (7)	8.7	26.4	43.5	30.1	
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.5 ft, Lab Note: Asphalt pavement was within sample				3-5-10-4 (15)	11.3	30.9	38.5	30.6	
		A-2-4, GrSiSa, brn, Moist, Rec. = 0.6 ft				7-2-3-5 (5)	13.6	28.6	40.3	31.1	
10		Field Note:, NXDC, Cleaned out casing									
		A-1-b, SaGr, brn, Moist, Rec. = 0.2 ft, Lab Note: Broken rock was within sample				3-4-14-5 (18)	16.4	53.4	37.8	8.8	
		A-2-4, GrSa, Dk/brn, Moist, Rec. = 0.2 ft, Lab Note: Some organic material was within sample. Insufficient sample size for organic testing						43.0	30.4	54.9	14.7
		A-1-b, GrSa, Dk/brn, Moist, Rec. = 0.4 ft, Lab Note: Decomposing wood was within sample						38.6	33.0	57.6	9.4
		Field Note:, NXDC, Cleaned out casing									
		A-1-a, SaGr, gry, Moist, Rec. = 0.7 ft, Lab Note: A lot of broken rock was within sample						21-28-16-10 (44)	11.9	59.2	32.5
15		Field Note:, NXDC, Cleaned out casing									
		A-4, SiSa, gry, Moist, Rec. = 1.2 ft				9-15-14-9 (29)	18.3	11.2	45.0	43.8	
		A-2-4, GrSa, brn-gry, Moist, Rec. = 0.4 ft, Lab Note: Broken and weathered rock was within sample									
		Field Note:, NXDC, Cleaned out casing				R@5" (R)	7.7	29.1	51.7	19.2	
20		18.0 ft - 23.0 ft, White to dark gray, Biotite-muscovite-quartz-plagioclase GNEISS, with brown and orange staining along joints. Moderately hard, Slightly weathered, Fair rock, NX, RMR=49	1 (50)	86 (42)	4						
25		23.0 ft - 28.0 ft, White to dark gray, Biotite-muscovite-quartz-plagioclase GNEISS, with brown staining along joints and micaceous foliation. GREENSTONE inclusion at 25.8 feet to 26.0 feet. Medium hard, Slightly weathered, Fair rock, NX, RMR=42	2 (50)	78 (15)	4						
30		Hole stopped @ 28.0 ft									
		Remarks: Hole collapsed at 28.0 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 Z:\CHESLER\BF0134(50).GPF VERMONT.AOT.GDI 10/17/16