



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

BORING LOG
Mount Holly
Bf 0133(12)
VT 155 Culv. 7

Boring No.: **B-104**
Page No.: 1 of 2
Pin No.: 12c594
Checked By: SPM

Boring Crew: Garrow, Judkins, Emerson
Date Started: 9/19/16 Date Finished: 9/23/16
VTSPG NAD83: N 327911.67 ft E 1552737.07 ft
Station: 179+95 Offset: 14.40
Ground Elevation: 1619.9 ft

Type: I.D.:	Casing	WB	SS
	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>>	

Groundwater Observations		
Date	Depth (ft)	Notes
09/21/16	13.2	W.T. before drilling
09/22/16	11.8	W.T. before drilling
09/23/16	11.6	W.T. before drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.6 ft								
		A-1-a, Gr, brn, Moist, Rec. = 0.4 ft, Lab Note: A lot of broken rock was within sample				11-20-10 (30)	3.8	86.2	8.8	5.0
		A-1-a, SaGr, brn, Moist, Rec. = 0.6 ft, Lab Note: A lot of broken rock was within sample				8-8-16 (24)	4.8	58.3	31.1	10.6
		Field Note:, NXDC, Cleaned out casing				R@5" (R)	7.4	79.2	20.8	
		A-1-a, SaGr, blk-brn, Moist, Rec. = 0.3 ft, Lab Note: Sample consisted of clean broken rock				7-6-4-4 (10)	4.6	71.7	20.2	8.1
		Field Note:, NXDC, Cleaned out casing				7-6-21-19 (27)	9.1	65.0	29.4	5.6
		A-1-a, SaGr, brn-blk, Moist, Rec. = 0.8 ft, Lab Note: Broken rock was within sample				4-2-2-2 (4)	28.1	7.0	72.6	20.4
		Field Note:, NXDC, Cleaned out casing				1-2-5-5 (7)				
		Field Note:, No Recovery				19-23-14-14 (37)	6.6	81.5	15.2	3.3
		A-1-a, Gr, gry, Moist, Rec. = 0.2 ft, Lab Note: Broken rock was within sample				8-33-26-29 (59)	10.6	21.0	29.0	50.0
		Field Note:, NXDC, Cleaned out casing				19-29-R@5" (R)	10.4	28.3	32.9	38.8
		A-4, GrSaSi, gry, Moist, Rec. = 1.5 ft				R@5" (R)				
		Field Note:, NXDC, Cleaned out casing				R@5" (R)				
		Field Note:, No Recovery								
		Field Note:, NXDC, Cleaned out casing								
		Field Note:, NXDC, Cleaned out casing								
		Field Note:, No Recovery				R@0" (R)				
		Field Note:, NXDC, Cleaned out casing								
		Field Note:, No Recovery				R@2.5" (R)				
		Field Note:, NXDC, Cleaned out casing								
		A-4, SaSi, brn, Moist, Rec. = 0.9 ft				15-R@5" (R)	17.9	3.5	47.0	49.5

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. <<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.



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40		Field Note:, NXDC, Cleaned out casing				R@5" (R)	13.1	20.9	48.3	30.8
		A-2-4, GrSiSa, brn, MTD, Rec. = 0.4 ft								
		Field Note:, NXDC, Cleaned out casing				R@1" (R)	10.6	25.3	46.8	27.9
		A-2-4, GrSiSa, brn-white, Moist, Rec. = 0.1 ft				R@0" (R)				
		Field Note:, NXDC, Cleaned out casing				R@0" (R)				
		Field Note:, No Recovery								
		Field Note:, NXDC, Cleaned out casing								
		A-4, SaSi, Lt/brn, MTD, Rec. = 0.4 ft				R@5" (R)	13.2	7.0	43.7	49.3
		Field Note:, NXDC, Cleaned out casing								
		Field Note:, No Recovery				R@0" (R)				
		62.7 ft - 67.7 ft, Light gray, Muscovite-biotite-quartz-plagioclase GNEISS, with a near vertical joint at 64.7 feet to 65.2 feet. Brown staining along joints. Hard, Very slightly weathered, Good rock, NX, RMR=66	1 (30)	72 (75)	5					Top of Bedrock @ 62.7 ft
		67.7 ft - 71.2 ft, Light gray & white, Quartzose biotite-muscovite-plagioclase GNEISS, Hard, Unweathered, Fair rock, NX, RMR=60	2 (60)	96 (79)	6					
		71.2 ft - 72.7 ft, Dark gray, Micaceous plagioclase GNEISS, Moderately hard, Unweathered			7					
		Hole stopped @ 72.7 ft			6					
		Remarks: Hole collapsed at 6.5 feet.			5					

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