



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

BORING LOG

Ripton
 ER STP 0174(19)
 VT 125

Boring No.: B-101

Page No.: 1 of 1

Pin No.: 12c414

Checked By: MLM

Boring Crew: Judkins, Gomes
 Date Started: 8/25/16 Date Finished: 8/25/16
 VTSPG NAD83: N 536928.50 ft E 1494356.43 ft
 Station: 11+00 Offset: -8.80
 Ground Elevation: 900.0 ft

Casing: WB Sampler: SS
 I.D.: 3 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 SUB>><<SUB>> = 1.42

Groundwater Observations		
Date	Depth (ft)	Notes
08/25/16	19.1	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 %
		Asphalt Pavement, 0.0 ft - 1.89 ft								
		A-1-b, SaGr, brn, Moist, Rec. = 0.4 ft				4-4-5-6 (9)	9.4	54.3	29.8	15.9
5		A-1-a, SaGr, brn, Moist, Rec. = 0.2 ft, Lab Note: Broken rock was within sample				7-21-11-4 (32)	15.1	61.4	26.2	12.4
		Field Note:, BXDC, Cleaned out casing (boulder)								
10		A-1-b, GrSa, Lt/brn, Moist, Rec. = 1.1 ft				9-7-8-8 (15)	12.9	40.7	49.6	9.7
		Field Note:, BXDC, Cleaned out casing								
15		Field Note:, No Recovery				4-4-4-4 (8)				
		Field Note:, BXDC, Cleaned out casing								
20		Field Note:, No Recovery								
		20.2 ft - 24.2 ft, Gray, Biotite-muscovite-quartz-plagioclase SCHIST, with rare pyrite. Rust staining along joints. Moderately hard, Slightly weathered, Poor rock, BX, RMR=26	1 (80)	28 (0)	5	R@2.5" (R)				
					5					
					6					
					6					
25		24.2 ft - 28.2 ft, Gray to white, Biotite-muscovite-quartz-plagioclase GNEISS, with faint brown staining along joints. Moderately hard, Very slightly weathered, Fair rock, BX, RMR=57	2 (80)	78 (77)	6					
					4					
					5					
					5					
30		Hole stopped @ 28.2 ft								
		Remarks: Hole collapsed at 5.5 feet.								
		1.Top of Bedrock @ 20.2 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 RIP-10N ER STP0174(19).GFGJ - VERMONT AOT.GDT - 9/14/16