



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

BORING LOG

Ripton  
 ER STP 0174(19)  
 VT 125

Boring No.: B-103

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Pin No.: 12c414

Checked By: MLM

Boring Crew: Judkins, Gomes  
 Date Started: 8/24/16 Date Finished: 8/24/16  
 VTSPG NAD83: N 537479.08 ft E 1495003.16 ft  
 Station: 19+50 Offset: -8.60  
 Ground Elevation: 927.0 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 SKT<SUB>><<SUB>> = 1.42

Groundwater Observations		
Date	Depth (ft)	Notes
08/24/16	18.0	W.T. during drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 0.48		Asphalt Pavement, 0.0 ft - 0.48 ft A-1-a, SaGr, white, Moist, Rec. = 0.9 ft, Lab Note: Broken rock was within sample				--42-26-16 (68)	10.4	60.0	27.4	12.6
5.0 - 5.5		Field Note:, BXDC, Cleaned out casing								
5.5 - 10.0		A-1-a, SaGr, gry, Moist, Rec. = 1.4 ft, Lab Note: Broken and weathered rock was within sample				3-8-R@5" (R)	7.2	65.6	23.9	10.5
10.0 - 10.5		Field Note:, BXDC, Cleaned out casing								
10.5 - 11.0		Field Note:, No Recovery				5-4-5-3 (9)				
11.0 - 15.0		Field Note:, BXDC, Cleaned out casing								
15.0 - 15.5		Field Note:, No Recovery				R@0" (R)				
15.5 - 20.0		Field Note:, BXDC, Cleaned out casing								
20.0 - 20.5		Field Note:, No Recovery Field Note:, BXDC, Cleaned out casing (boulder)				R@0" (R)				
22.4 - 27.4		22.4 ft - 27.4 ft, Gray to white, Muscovite-biotite-quartz-plagioclase GNEISS, with orange and rust staining along joints. Hard, Very slightly weathered, Poor rock, BX, RMR=28	1 (55)	42 (0)	2					
27.4 - 28.1		27.4 ft - 28.1 ft, Blue gray, Rusty weathering SCHIST, Medium hard, Slightly weathered, BX	2 (40)	24 (0)	2					
28.1 - 30.4		28.1 ft - 30.4 ft, Gray to white, MICACEOUS-QUARTZITE, Hard, Very slightly weathered, Poor rock, RMR=31			2					
30.4		Hole stopped @ 30.4 ft			4					
		Remarks: Hole Collapsed at 8.1 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 RIPTON ER STP0174(19).GPJ VERMONT AOT.GDI 9/14/16