



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

BORING LOG

Ripton  
 ER STP 0174(19)  
 VT 125

Boring No.: **B-201**

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Pin No.: 12c414

Checked By: AKF

Boring Crew: Olden, Judkins, Mazzei  
 Date Started: 6/20/17 Date Finished: 6/20/17  
 VTSPG NAD83: N 536795.41 ft E 1494165.81 ft  
 Station: 8+60 Offset: -10.00  
 Ground Elevation: 892.1 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 45C SKID CE = 1.42

Groundwater Observations		
Date	Depth (ft)	Notes
06/20/17	2.0	W.T. after 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 %
0.0 - 0.38		Asphalt Pavement, 0.0 ft - 0.38 ft								
2.5		A-1-b, SaGr, brn, Wet, Rec. = 0.8 ft Field Note:, NXDC, Cleaned out casing				3-3-10-4 (13)	11.4	47.8	38.5	13.7
5.0		A-1-a, Gr, gry, Moist, Rec. = 0.4 ft, Lab Note: A lot of broken rock was within sample				29-10-1-8 (11)	2.3	90.1	9.7	0.2
7.5		Field Note:, NXDC, Cleaned out casing, Boulder 6.5 - 9.5 feet								
10.0		Field Note:, No Recovery								
12.5		11.3 ft - 12.8 ft, Black and white, Quartz-biotite GNEISS, The fabric is banded mm wide zones of granular quartz and mm wide zones of vertically oriented biotite +/- muscovite and concentrations of carbonate. Joints have slight orange staining on them and are rough. Hard, Slightly weathered, Fair rock, NX, RMR=57	1 (85)	87 (73)	4					
15.0		12.8 ft - 16.3 ft, Black and white, Quartz-biotite GNEISS, The fabric is banded cm wide zones of biotite +/- muscovite and concentrations of carbonate with cm wide zones of quartz comingled with biotite and sulfides. Joints have slight orange staining on them and are rough. Hard, Slightly weathered, Fair rock, NX, RMR=52	2 (85)	106 (35)	7					
17.5		Hole stopped @ 16.3 ft								
		Remarks: Hole collapsed at 13.0 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.