



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

**BORING LOG**

**Ripton**  
**ER STP 0174(19)**  
**VT 125**

Boring No.: **B-102**

Page No.: **1 of 1**

Pin No.: **12c414**

Checked By: **MLM**

Boring Crew: Emerson, Judkins, Gomes

Date Started: 8/24/16 Date Finished: 8/25/16

VTSPG NAD83: N 537392.58 ft E 1494881.49 ft

Station: 18+00 Offset: -8.70

Ground Elevation: 917.5 ft

Type: 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 SKIDSUB>><<SUB>> = 1.42

**Groundwater Observations**

Date	Depth (ft)	Notes
08/25/16	7.9	W.T. before 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 - 1.17 ft								
2.5		A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft				7-8-13-10 (21)	5.5	53.8	38.4	7.8
		Field Note:, BXDC, Cleaned out casing								
5.0		A-1-b, GrSa, brn, Moist, Rec. = 0.6 ft				3-4-2-14 (6)	15.1	29.5	55.7	14.8
7.5		Field Note:, BXDC, Cleaned out casing								
10.0		A-2-4, SiSaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Broken and weathered rock was within sample				42-R@5" (R)	9.2	38.7	35.3	26.0
12.5		10.9 ft - 15.9 ft, Gray, Biotite-muscovite-quartz-plagioclase SCHIST, with rare pyrite. Tan/brown staining along joints. Moderately hard, Very slightly weathered, Good rock, BX, RMR=66	1 (70)	96 (100)	5	Top of Bedrock @ 10.9 ft				
					3					
					4					
					4					
					4					
15.0										
		Hole stopped @ 15.9 ft								
17.5		Remarks: Hole collapsed at 6.6 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.