



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

BORING LOG

Fairlee  
 STP SCR(15)  
 VT 244 Br. #11

Boring No.: B-101  
 Page No.: 1 of 1  
 Pin No.: 16d012  
 Checked By: MLM

Boring Crew: Nieto, Judkins, Emerson  
 Date Started: 7/19/16 Date Finished: 7/20/16  
 VTSPG NAD83: N 503715.33 ft E 1724562.34 ft  
 Station: 122+25 Offset: 17.40  
 Ground Elevation: 497.9 ft

Type: WB Casing SS Sampler  
 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 C<sub>s</sub> = 1.42

Groundwater Observations		
Date	Depth (ft)	Notes
07/20/16	5.0	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 %
0.0 - 2.5		A-2-4, Sa, blk, Moist, Rec. = 0.5 ft, Lab Note: Plant roots were within sample				WH-WH-1-1 (1)	23.7	10.6	74.7	14.7
2.5 - 5.0		Field Note:, NXDC, Cleaned out casing								
5.0 - 6.6		A-2-4, SiGrSa, blk, Moist, Rec. = 0.5 ft, Lab Note: Broken rock was within sample				5-6-R@5" (R)	15.1	34.7	36.0	29.3
6.6 - 10.6		6.6 ft - 10.6 ft, Gray, Pyrite bearing PHYLLITE, with quartz veins. Rust and yellow staining along joints. Moderately hard, Moderately weathered, Poor rock, NX, RMR=26	1 (80)	38 (0)	6 9 7 14					
10.6 - 12.5		Field Note:, NXDC, Cleaned out casing								
12.5 - 14.3		A-1-b, SaGr, gry, Moist, Rec. = 0.4 ft, Lab Note: Broken and weathered rock was within sample				R@5" (R)	13.3	60.7	23.7	15.6
14.3 - 15.0		Field Note:, Appears to be a seam in bedrock								
15.0 - 19.3		14.3 ft - 19.3 ft, Gray, Pyrite bearing PHYLLITE, with quartz veins. Rust and brown staining along joints. Moderately hard, Very slightly weathered, Good rock, NX, RMR=64	2 (80)	100 (95)	4 4 4 3 4	Top of Bedrock @ 14.3 ft				
19.3 - 20.0		Hole stopped @ 19.3 ft								
20.0 - 22.5		Remarks: Hole collapsed at 8.9 feet.								

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
 2. N Values have not been corrected for hammer energy. C<sub>s</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.