



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-102**

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Pin No.: 16d012

Checked By: MLM

Boring Crew: Garrow, Judkins, Gomes  
Date Started: 7/15/16 Date Finished: 7/15/16  
VTSPG NAD83: N 503714.54 ft E 1724575.29 ft  
Station: 122+36 Offset: 11.00  
Ground Elevation: 498.4 ft

Casing: WB Sampler: SS  
Type: WB 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
07/15/16	6.0	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 %
		Asphalt Pavement, 0.0 ft - 0.88 ft								
5		A-1-b, SiGrSa, gry-brn, Moist, Rec. = 1.2 ft, Lab Note: A small amount of asphalt pavement was within sample				11-8-6-6 (14)	11.4	26.0	52.5	21.5
		A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken rock was within sample Field Note:, Rollercone, cleaned out casing				6-6-5-10 (11)	13.4	41.6	42.6	15.8
		A-1-b, SaGr, brn, Moist, Rec. = 0.7 ft Field Note:, NXDC, Cleaned out casing				7-7-13-12 (20)	16.5	50.7	37.2	12.1
		A-1-a, SaGr, brn, Moist, Rec. = 0.4 ft, Lab Note: Broken rock was within sample Field Note:, NXDC, Cleaned out casing				8-7-11-3 (18)	12.3	52.3	37.0	10.7
10		Field Note:, No Recovery				4-1-5-10 (6)				
		A-1-b, SaGr, gry, Moist, Rec. = 1.1 ft, Lab Note: Broken and weathered rock was within sample Field Note:, NXDC, Cleaned out casing				4-11-20-17 (31)	11.0	47.4	34.7	17.9
		A-1-b, SaGr, gry, Moist, Rec. = 1.3 ft, Lab Note: Broken and weathered rock was within sample Field Note:, NXDC, Cleaned out casing				12-10-13-R@3.5" (23)	12.0	52.3	31.7	16.0
15		A-1-a, SaGr, gry, Moist, Rec. = 1.1 ft, Lab Note: Broken and weathered rock was within sample				30-16-7-R@3.5" (23)	14.7	59.6	27.8	12.6
20		16.9 ft - 21.9 ft, Gray, Pyrite bearing PHYLLITE, with quartz veins. Rust and brown staining along joints. Moderately hard, Very slightly weathered, Fair rock, NX, RMR=50	1 (70)	96 (79)	7					
					7					
					6					
					8					
					8					
25		21.9 ft - 26.9 ft, Gray, Pyrite bearing PHYLLITE, with quartz veins. Massive quartz vein at 23.3-25.1 feet. Slight rust and brown staining along joints. Moderately hard, Unweathered, Good rock, NX, RMR=63	2 (70)	100 (87)	7					
					8					
					9					
					7					
					6					
		Hole stopped @ 26.9 ft								
30		Remarks: Hole collapsed at 11.9 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 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.