



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

BORING LOG

Ripton
 ER STP 0174(19)
 VT 125

Boring No.: B-204

Page No.: 1 of 1

Pin No.: 12c414

Checked By: AKF

Boring Crew: Emerson, Garrow, Mazzei
 Date Started: 7/11/17 Date Finished: 7/11/17
 VTSPG NAD83: N 537128.37 ft E 1494580.49 ft
 Station: 14+00 Offset: -8.30
 Ground Elevation: 900.3 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 55 TRACK CE = 1.42

Groundwater Observations		
Date	Depth (ft)	Notes
07/11/17	8.5	W.T. during 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 - 0.4		Asphalt Pavement, 0.0 ft - 0.4 ft								
0.4 - 1.0		Reclaimed Asphalt, 0.4 ft - 1.0 ft								
1.0 - 5.0		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft				18-18-19-25 (37)	8.6	45.9	38.7	15.4
5.0 - 10.0		Field Note:, NXDC, Cleaned out casing A-2-4, SiGrSa, brn, Moist, Rec. = 0.5 ft, Lab Note: Decomposing plant material and broken rock was within sample				5-3-R@2.5" (R)	22.4	28.8	49.3	21.9
10.0 - 15.0		Field Note:, NXDC, Cleaned out casing, Boulder A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft				25-21-11-6 (32)	10.5	59.9	32.1	8.0
15.0 - 20.0		Field Note:, NXDC, Cleaned out casing A-2-4, SaSiGr, brn, Moist, Rec. = 0.8 ft				3-3-15-R@5" (R)	13.9	40.8	24.7	34.5
20.0 - 25.0		Field Note:, NXDC, Cleaned out casing Field Note:, No Recovery				R@1" (R)				
25.0 - 30.0		Field Note:, NXDC, Cleaned out casing Field Note:, No Recovery				R@0" (R)				
30.0 - 31.5		26.5 ft - 31.5 ft, Light gray, Quartz-biotite GNEISS, Fabric is banded mm wide zones of disjunct quartz and mm wide zones of biotite. Sub-hedral crystals of cm size microcline are sporadically strewn throughout. Joints have slight orange staining on them and are rough. Very hard, Slightly weathered, Good rock, NX, RMR=62	1 (50)	100 (70)	6	Top of Bedrock @ 26.5 ft				
31.5 - 31.5		Hole stopped @ 31.5 ft								
		Remarks: Hole collapsed at 10.8 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.