



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

BORING LOG

DUXBURY
BF 013-4(47)
VT 100 Br. #193

Boring No.: **B-101**

Page No.: 1 of 1

Pin No.: 16b001

Checked By: MLM

Boring Crew: WHITLOCK, JUDKINS, NIETO
 Date Started: 4/18/16 Date Finished: 4/18/16
 VTSPG NAD83: N 664052.37 ft E 1572920.80 ft
 Station: 20+50.3 Offset: -11.30
 Ground Elevation: 504.4 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 55 TRACK C = 1.41

Groundwater Observations		
Date	Depth (ft)	Notes
04/18/16	12.9	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 %
5		A-1-b, SiSaGr, brn, Moist, Rec. = 0.8 ft, Lab Note: Broken rock and plant material was within sample. Field Note: NXDC, cleaned out casing				1-5-12-28 (17)	14.1	41.4	38.5	20.1
		A-2-4, GrSa, brn-Lt/brn, Moist, Rec. = 1.1 ft, Lab Note: Broken rock was within sample.				6-4-3-4 (7)	13.2	29.1	56.5	14.4
5		A-2-4, Sa, Lt/brn, Moist, Rec. = 1.0 ft Field Note: NXDC, cleaned out casing				4-4-3-2 (7)	10.6	4.3	83.6	12.1
		A-2-4, Sa, Lt/brn, Moist, Rec. = 0.5 ft				3-3-3-2 (6)	18.5	10.1	79.3	10.6
10		A-1-b, SaGr, Lt/brn, Moist, Rec. = 0.6 ft				4-3-4-5 (7)	13.4	48.8	33.1	18.1
		A-1-b, GrSa, brn, Moist, Rec. = 0.9 ft Field Note: NXDC, cleaned out casing				9-5-17-9 (22)	12.4	36.3	50.6	13.1
15		A-1-a, SaGr, gry-brn, Moist, Rec. = 1.0 ft, Lab Note: Broken rock was within sample. Field Note: NXDC, cleaned out casing				6-43-20-9 (63)	10.5	60.2	27.9	11.9
		A-1-a, SaGr, gry-brn, Moist, Rec. = 1.1 ft, Lab Note: A lot of broken and weathered rock was within sample. Field Note: NXDC, cleaned out casing				12-12-18-39 (30)	12.4	61.6	28.4	10.0
15		A-1-b, SaGr, gry-Dk/gry, Moist, Rec. = 0.7 ft, Lab Note: A lot of broken and weathered rock was within sample. Field Note: NXDC, cleaned out casing				25-R@3.5" (R)	12.2	44.3	38.0	17.7
		A-1-b, SiSaGr, Dk/gry, Moist, Rec. = 0.4 ft, Lab Note: Sample consisted entirely of weathered rock.				25-R@5.0" (R)	11.0	48.7	30.4	20.9
20		18.4 ft - 23.4 ft, Dark gray to black, Pyrite bearing graphitic PHYLLITE, with siliceous laminae. Slight rust staining on joints. Hard, Very slightly weathered, Fair rock, NX, RMR=41	1 (75-80)	100 (44)	5					
		23.4 ft - 28.4 ft, Dark gray to black, Slightly vuggy pyrite bearing graphitic PHYLLITE, with siliceous laminae. Very faint rust staining and some calcification on joints. Moderately hard, Very slightly weathered, Fair rock, NX, RMR=46	2 (75-80)	100 (53)	6					
25					7					
					7					
30		Hole stopped @ 28.4 ft			9					
		Remarks: Top of Bedrock at 18.4 feet. Hole collapsed at 12.6 feet.			10					

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.