



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-102

Page No.: 1 of 1

Pin No.: 16b001

Checked By: MLM

Boring Crew: WHITLOCK, JUDKINS, GARROW
Date Started: 4/13/16 Date Finished: 4/14/16
VTSPG NAD83: N 664065.35 ft E 157061.03 ft
Station: 21+88.5 Offset: 15.00
Ground Elevation: 497.4 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 55 TRACK C = 1.41

Groundwater Observations		
Date	Depth (ft)	Notes
04/14/16	6.4	W.T. before drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-2-4, GrSiSa, brn, Moist, Rec. = 0.5 ft, Lab Note: Broken rock and plant material was within sample.				1-1-2-4 (3)	19.1	25.5	43.6	30.9
		Field Note: No Recovery, Stone in end of sampler.				1-2-3-3 (5)				
10		A-3, GrSa, brn, MTW, Rec. = 1.0 ft				2-3-2-WH (5)	16.3	24.2	67.6	8.2
		A-2-4, Sa, brn, Wet, Rec. = 1.0 ft Field Note: Cleaned out casing				2-2-4-8 (6)	20.7	17.6	69.7	12.7
15		A-1-b, SaSiGr, gry, MTW, Rec. = 0.7 ft, Lab Note: Broken rock, pieces of wood, and wood fibers were within sample. A small amount of clay was within sample. Sample tested non-plastic. Field Note: Cleaned out casing				3-5-10-20 (15)	12.8	53.2	22.2	24.6
		A-1-b, SaGr, gry-brn, Moist, Rec. = 0.8 ft Field Note: Cleaned out casing				18-18-15-8 (33)	12.1	47.8	35.4	16.8
		A-4, SaSi, brn, Moist, Rec. = 0.8 ft				3-4-4-5 (8)	25.5	2.8	44.9	52.3
20		A-4, Si, gry, Moist, Rec. = 0.6 ft				8-8-6-6 (14)	30.0	0.8	10.4	88.8
		A-2-4, SiSa, brn, Moist, Rec. = 0.7 ft				24.3	13.2	55.3	31.5	
25		A-4, SaSi, gry, MTW, Rec. = 1.2 ft				7-6-9-9 (15)	26.0	9.8	30.2	60.0
		A-2-4, SiSaGr, gry, Moist, Rec. = 1.1 ft, Lab Note: A lot of broken and weathered rock was within sample.				8-8-12-22 (20)	14.7	41.6	29.9	28.5
		A-1-b, SiSaGr, gry, Moist, Rec. = 1.0 ft, Lab Note: A lot of broken and weathered rock was within sample.				30-28-R@1.0"	12.4	47.1	31.5	21.4
30		21.1 ft - 26.1 ft, Dark gray, Vuggy pyrite bearing graphitic PHYLLITE, with siliceous laminae. Extensive rust staining on joints. Medium to soft, Moderately weathered, Poor rock, NX, RMR=30	1 (80)	60 (0)	4					
		26.1 ft - 27.2 ft, Dark brown, PHYLLITE, and silty gravel. Very soft, Very severely weathered, Poor rock, NX, RMR=36	2 (78)	56 (20)	2					
35		27.2 ft - 30.1 ft, Dark gray, Pyrite bearing graphitic PHYLLITE, with siliceous laminae. Minor rust staining on joints. Hard, Very slightly weathered, Poor rock, RMR=36			6					
		30.1 ft - 35.1 ft, Dark gray to black, Pyrite bearing graphitic PHYLLITE, with siliceous laminae. Clean joints. Hard, Unweathered, Good rock, NX, RMR=61	3 (78)	90 (100)	4					
		Hole stopped @ 35.1 ft			7					
		Remarks: Top of Bedrock 21.1 feet. Hole collapsed at 8.9 feet.			5					

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.