



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

BORING LOG

CHELSEA
BHF 0169(9)
VT-110 BR-9

Boring No.: **B-103**

Page No.: **1 of 1**

Pin No.: **12C150**

Checked By: **MLM**

Boring Crew: JUDKINS, NIETO, DIAGNAULT
Date Started: 4/27/15 Date Finished: 4/28/15
VTSPG NAD83: N 541675.72 ft E 1654067.21 ft
Station: 146+20.0 Offset: -4.10
Ground Elevation: 812.5 ft

Casing Type: WB Sampler: SS
I.D.: 5 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_r = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
04/28/15	10.2	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 - 1.4	Asphalt	Asphalt Pavement, 0.0 ft - 1.4 ft								
1.4 - 1.7	A-1-b	A-1-b, GrSa, brn-Lt/brn, Moist, Rec. = 0.7 ft, Cleaned out with Roller cone.				9-8-9 (17)	13.0	29.4	54.6	16.0
1.7 - 1.9	A-1-a	A-1-a, SaGr, brn, Moist, Rec. = 0.2 ft, Lab Note: Broken Rock was within sample. Cleaned out with Roller cone.				7-7-6-6 (13)	11.2	67.8	25.9	6.3
1.9 - 2.3	A-1-b	A-1-b, GrSa, brn, Moist, Rec. = 0.4 ft, Cleaned out with Roller cone.				5-5-5-6 (10)	13.1	36.4	49.4	14.2
2.3 - 2.7	A-1-a	A-1-a, SaGr, brn, Moist, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample. Cleaned out with Roller cone.				11-7-15-14 (22)	9.8	61.0	32.7	6.3
2.7 - 3.0	A-1-b	A-1-b, GrSa, Dk/brn, Moist, Rec. = 0.3 ft, NXDC, Cleaned out casing.				10-8-10-13 (18)	14.9	36.0	46.7	17.3
3.0 - 3.6	A-1-a	A-1-a, SaGr, brn-white, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample. NXDC, Cleaned out casing.				9-15-22-33 (37)	14.1	55.6	35.6	8.8
3.6 - 14.4	Field Note	Field Note: No Recovery				28-14-10-9 (24)				
14.4 - 15.0	A-1-a	A-1-a, SaGr, brn, Moist, Rec. = 0.3 ft, Lab Note: Broken Rock was within sample. NXDC, Cleaned out casing.				R@3.5" (R)	8.7	58.3	31.0	10.7
15.0 - 16.0	Field Note	Field Note: Drilled a 4 inch diameter Concrete Core, Rec. = 1.6 ft								
16.0 - 17.0	Field Note	Field Note: NXDC, Appears to be Boulder & Cobbles								
17.0 - 18.4	A-1-a	A-1-a, SaGr, Dk/gry, Moist, Rec. = 0.4 ft, Lab Note: Broken & some Weathered Rock pieces were within sample.				18-R@5.0" (R)	7.8	60.9	26.2	12.9
18.4 - 23.4	Bedrock	18.4 ft - 23.4 ft, Gray, Meta-limestone and dark gray phyllitic mica-schist with some Quartz veins. Hard, Very slightly weathered, Good rock, NXMDC, RMR = 62, Notes: 18.4'-19.5' Meta-Limestone, 19.5'-23.4' Schist with Quartz veins. Some brown discoloration along joints.	1 (55)	100 (62)	4	Top of Bedrock @ 18.4 ft				
23.4 - 26.0	Bedrock	23.4 ft - 26.0 ft, Gray, Meta-limestone and gray phyllitic mica-schist with some Quartz veins. Hard, Slightly weathered, Poor rock, NXMDC, RMR = 39, Notes: Brown and yellow staining along Quartz joint at 24.0'-24.75'.	2 (60)	52 (0)	4					
26.0 - 28.4	Bedrock	26.0 ft - 28.4 ft, Alternating gray meta-limestone and dark gray phyllitic mica-schist Hard, Slightly weathered, Fair rock, NXMDC, RMR = 54, Notes: Yellow/brown discoloration along joints.	3 (45-55)	48 (60)	5					
28.4 - 28.4	Hole stopped @ 28.4 ft									

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.

BORING LOG 2 CHELSEA BHF 0169(9).GPJ VERMONT AOT.GDT 6/18/15