



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING LOG

MIDDLESEX
 BR# 024-1(37)
 VT-12 BR-77

Boring No.: **B-201**

Page No.: 1 of 1

Pin No.: 10C220

Checked By: NSM

Boring Crew: GARROW, SALISBURY, PORTER

Date Started: 1/18/12 Date Finished: 1/25/12

VTSPG NAD83: N 660731.08 ft E 1619938.77 ft

Station: 28+97.41 Offset: 22.39

Ground Elevation: 724.0 ft

Type: _____
 I.D.: _____
 Hammer Wt: _____
 Hammer Fall: _____
 Hammer/Rod Type: _____
 Rig: CME 45C TRACK C_c = 1.34

Casing WB Sampler SS

4 in 1.5 in

N.A. 140 lb.

N.A. 30 in.

Auto/AWJ

Groundwater Observations

Date	Depth (ft)	Notes
01/24/12	33.2	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Groundwater Observations				
						Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-2-4, GrSa, brn, Moist, Rec. = 0.8 ft				WH-2-3-R (5)	16.6	26.8	55.1	18.1
		Field Note:, NXDC, Cobbles Field Note:, No Recovery. Stone in sampler				8-5-2-2 (7)				
10		A-2-4, GrSiSa, brn, Moist, Rec. = 1.5 ft				9-16-19-22 (35)	13.9	27.8	38.7	33.5
		Field Note:, NXDC, Cobbles								
15		A-1-b, SiSaGr, brn, Moist, Rec. = 0.6 ft				10-27-52-41 (79)	8.0	53.5	26.3	20.2
		Field Note:, NXDC, Boulder								
20		A-1-b, SiGrSa, brn, MTW, Rec. = 1.1 ft				4-10-18-17 (28)	10.8	38.5	38.9	22.6
		Field Note:, NXDC, Boulder								
25		Visual Classification, SiGrSa, brn, MTW, Rec. = 0.5 ft, Similar material as 19-21 ft.				R@6.0"	11.0			
		Field Note:, NXDC, Boulder								
30		A-1-b, SiGrSa, brn, MTW, Rec. = 1.2 ft				13-23-25-22 (48)	10.8	35.9	39.5	24.6
		Field Note:, NXDC, Boulder								
35		A-1-b, GrSa, brn, MTW, Rec. = 0.3 ft				8-R@3.5"	11.3	36.5	48.5	15.0
		33.8 ft - 35.2 ft, Grayish green, Chlorite-plagioclase-quartz-muscovite Schist, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 79	1 (75)	100 (100)	6	Top of Bedrock @ 33.8 ft				
40		35.2 ft - 38.8 ft, Grayish green, Chlorite-plagioclase-quartz-muscovite Schist, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 79	2 (75)	94 (94)	12					
		38.8 ft - 43.8 ft, Grayish green, Chlorite-plagioclase-quartz-muscovite Schist, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 76	3 (75)	92 (74)	13					
45		Hole stopped @ 43.8 ft			11					
					6					

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 MIDDLESEX BR# 024-1(37).GPJ VERMONT AOT.GDT. 10/28/14