



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

BORING LOG

MIDDLESEX
BRF 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.: _____
Casing: WB Sampler: SS
4 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C TRACK C_c = 1.34

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	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
		Visual Classification, SiGrSa, brn, MTW, Rec. = 0.5 ft, Similar material as 19-21 ft. 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
		A-1-b, GrSa, brn, MTW, Rec. = 0.3 ft				8-R@3.5"				
35		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				
		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)	4					
40		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)	12					
		Hole stopped @ 43.8 ft	13		11					
45					6					
					9					

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 BRF 024-1(37).GPJ VERMONT AOT.GDT. 10/28/14



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BORING LOG

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

Boring No.: B-202

Page No.: 1 of 1

Pin No.: 10C220

Checked By: NSM

Boring Crew: GARROW, SALISBURY, PORTER

Date Started: 1/26/12 Date Finished: 1/31/12

VTSPG NAD83: N 660793.58 ft E 1619918.87 ft

Station: 29+46.53 Offset: -21.09

Ground Elevation: 724.0 ft

Type: _____ Casing _____ 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 45C TRACK C = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
01/30/12	29.4	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
10		Field Note:, NXDC, Sand, No Recovery. A-1-b, SaGr, brn, Moist, Rec. = 1.2 ft	1-3-5-4 (8)	15.4	41.4	39.7	18.9		
		Field Note:, NXDC, Gravel, No Recovery. A-1-b, GrSa, brn, Moist, Rec. = 1.5 ft	12-20-19-17 (39)	16.0	36.9	45.4	17.7		
		Field Note:, NXDC, Cobbles A-4, Si, gry, Moist, Rec. = 1.5 ft	3-3-2-3 (5)	40.4	0.3	2.2	97.5	38	6
20		A-4, GrSaSi, brn, Moist, Rec. = 1.5 ft	10-11-14-16 (25)	13.3	23.8	35.5	40.7		
		Field Note:, NXDC, Gravel, No Recovery.	16-19-17-15 (36)						
30		Field Note:, NXDC, Cobbles A-1-b, SiGrSa, gry, Moist, Rec. = 1.0 ft, Broken rock was within sample.	8-16-22-R@2.5"	7.5	38.7	39.9	21.4		
		Field Note:, NXDC, Cobbles							
		Field Note:, NXDC, Cobbles A-2-4, GrSiSa, brn, Moist, Rec. = 0.9 ft	5-5-6-8 (11)	13.1	20.1	46.0	33.9		
40		Field Note:, NXDC, Cobbles							
		Field Note:, NXDC, Cobbles							
		A-2-4, SaSiGr (HP), gry, MTD, Rec. = 1.2 ft	32-40-30-R@0.0"	8.5	36.9	27.8	35.3		
50		Field Note:, NXDC, Gravel, No Recovery.							
		A-4, GrSaSi (HP), gry, MTD, Rec. = 0.5 ft	R@6.0"	9.1	20.0	38.7	41.3		
		Hole stopped @ 48.5 ft No Ledge to Depth.							

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
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