



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

BORING LOG

Boring No.: B-106
Page No.: 1 of 2
Pin No.: 08J096
Checked By: CAA

RUTLAND CITY
BRF 3000(19)
TH-10 BR-17

Boring Crew: PORTER, GARROW
Date Started: 6/16/10 Date Finished: 6/17/10
VTSPG NAD83: N 401991.83 ft E 1507359.30 ft
Station: 9+78 Offset: 17.50
Ground Elevation: 519.3 ft

Casing: WB
Sampler: SS
Type: WB
I.D.: 4 in
Hammer Wt: N.A.
Hammer Fall: N.A.
Hammer/Rod Type: Auto/AWJ
Rig: CME 55 TRACK
Date: 06/17/10
Depth (ft): 11.6
Notes: Prior to drilling.

Groundwater Observations	
Date	Notes
06/17/10	Prior to drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
5		A-2-4, SiGrSa, brn, Moist, Rec. = 0.7 ft, Broken rock (Marble) was within sample. Visual Classification, Broken rock (Marble) with sand, brn-white, Moist, Rec. = 0.4 ft Visual Classification, Broken rock (Marble) with sand, brn-white, Moist, Rec. = 0.6 ft Visual Classification, Broken rock (Marble) with sandy silt, brn-white, Moist, Rec. = 1.0 ft Visual Classification, Broken rock (Marble), white, Moist, Rec. = 0.4 ft				1-2-8-3 (10) 1-2-2-3 (4) 2-3-5-6 (8) 5-5-3-4 (8) 2-3-7-5 (10)	13.7 3.8 4.7 3.7	35.8	43.8	20.4		
10		Field Note: No Recovery				3-3-2-3 (5)						
15		A-4, SaSi with Trace of Organics (6.3%), gry, Moist, Rec. = 1.6 ft A-1-b, GrSa, gry, Moist, Rec. = 1.0 ft, Some Wood particles were within sample.				1-1-2-3 (3) 4-3-3-3 (6)	54.1 29.1	1.4	39.4	59.2		
20		A-2-4, GrSiSa, gry, Wet, Rec. = 0.4 ft A-1-b, SiGrSa, brn, Wet, Rec. = 0.7 ft, Sample was very rusty colored.				1-1-5-3 (6) 9-5-3-3 (8)	31.8 21.8	21.0	44.5	34.5		
25		A-3, Sa, gry, MTW, Rec. = 2.0 ft				WR-WR-WH-WH (0)	24.9	0.4	93.2	6.4		
30		Field Note: No Recovery, Appears to be Fine Sand.				1-1-1-1 (2)						
35		A-2-4, Sa, gry, MTW, Rec. = 1.0 ft				1-2-2-2 (4)	21.4	0.1	85.8	14.1		

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

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40		A-4, GrSaSi, gry, MTW, Rec. = 1.0 ft				1-1-7-14 (8)	14.5	25.6	36.8	37.6		
45		A-2-4, SaSiGr, gry, MTW, Rec. = 1.4 ft				18-13-11-18 (24)	9.6	45.7	21.4	32.9		
50		Field Note: NXDC, 3.0"+ Gravel A-4, Si (HP), gry, MTW, Rec. = 1.5 ft				15-45-33-R/3.5" (78)	11.8	17.8	16.7	65.5		
55		NXDC, Cobbles, 52.3 ft - 53.0 ft A-4, SaSi (HP), gry, MTW, Rec. = 1.4 ft				15-50-60-R (R)	9.4	17.4	25.5	57.1		
60		Field Note: NXDC, 3.0"+ Gravel A-4, SaSi (HP), gry, MTW, Rec. = 1.8 ft				15-45-35-R/3.5" (80)	10.5	19.6	22.3	58.1	21	4
65		60.0 ft - 62.0 ft, Light gray, Quartzite, Core very broken up and iron stained jointing. Moderately hard, Moderately to severely weathered, Fair rock, NXMDC 62.0 ft - 67.0 ft, Dull white, Quartzite, with closely spaced iron stained jointing.. Moderately hard, Moderately weathered, Poor rock, NXMDC	1 (?) 2 (?)	60 (0) 100 (0)	15 6 5 6 9							
70		67.0 ft - 67.5 ft, Dull white, Quartzite, with closely spaced iron stained jointing.. Moderately hard, Moderately weathered, Poor rock, NXMDC 67.5 ft - 70.0 ft, Dull green, Metavolcanic, Very soft, Severely weathered, Poor rock Hole stopped @ 70.0 ft	3 (?)	50 (0)	10 14 20							

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