



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

BORING LOG

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

Boring No.: B-101

Page No.: 1 of 1

Pin No.: 08J096

Checked By: CAA

Boring Crew: PORTER, GARROW, WELLS
Date Started: 5/27/10 Date Finished: 6/02/10
VTSPG NAD83: N 402148.07 ft E 1507184.27 ft
Station: 7+45 Offset: -11.50
Ground Elevation: 517.0 ft

Casing Type: WB I.D.: 4 in
Sampler Type: SS I.D.: 1.5 in
Hammer Wt: N.A. Hammer Fall: N.A.
Hammer/Rod Type: Auto/AWJ
Rig: CME 55 TRACK CE = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
06/01/10	7.9	Prior to drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-b, SaGr, brn, Moist, Rec. = 0.7 ft, Broken rock was within sample.	WH-4-6 (4)	16.5	43.0	42.6	14.4
		A-1-b, SaGr, white, Moist, Rec. = 0.8 ft, Sample was mostly broken rock (Marble).	10-4-7-10 (11)	12.1	59.3	30.0	10.7
5		A-1-a, SaGr, brn, Moist, Rec. = 0.9 ft, Concrete & Broken rock (Quartzite) were within sample.	5-5-4-4 (9)	17.6	69.0	22.1	8.9
		A-2-4, SiSa, brn, MTW, Rec. = 0.5 ft	4-2-2-3 (4)	29.6	0.8	64.6	34.6
		A-4, SaSi, brn-gry, MTW, Rec. = 1.3 ft	2-1-1-2 (2)	31.0		28.6	71.4
10		A-4, SiSa, brn-gry, MTW, Rec. = 1.7 ft, A small amount of decayed wood pieces were within sample.	1-1-1-1 (2)	37.7		56.4	43.6
		A-4, SaSi, gry, MTW, Rec. = 1.3 ft, A small amount of decayed wood pieces were within sample.	WH-8-10-18 (18)	31.1	14.4	41.6	44.0
15		Field Note: NXDC, Cobbles					
		A-2-4, SiGrSa, gry, Moist, Rec. = 1.0 ft	6-8-8-18 (16)	13.2	30.0	49.2	20.8
		Field Note: NXDC, Cobbles					
20		Field Note: NXDC, Cobbles, Cleaned out casing.					
		Field Note: No recovery, Appears to be Broken Rock	R/6" (R)				
25		Field Note: Boulder					
		Field Note: NXDC, Advanced casing to 28.0 ft., Cleaned out casing.					
		A-2-4, SiSa, brn, Moist, Rec. = 1.4 ft	4-22-32-36 (54)	18.5	8.4	62.7	28.9
30							
		A-1-b, SiSaGr, gry, MTW, Rec. = 0.9 ft, Broken rock was within sample.	18-39-40 (79)	9.2	54.8	24.2	21.0
35		Field Note: Advanced and cleaned out casing	R/1.5" (79)				
		A-4, SaSi, gry, Moist, Rec. = 1.5 ft	20-24-45-50 (69)	16.3	11.7	20.2	68.1
40		Hole stopped @ 40.0 ft Casing broke off at 35.0 ft.					
45							

BORING LOG 2 RUTLAND CITY BRF 3000(19).GPJ VERMONT AOT.GDT 11/8/10

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.