



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

BORING LOG

Boring No.: B-103  
Page No.: 1 of 2  
Pin No.: 92B283  
Checked By: CEE

WARDSBORO  
BRF 013-1(15)  
VT-100 BR-68

Boring Crew: PORTER, GARROW  
Date Started: 5/30/12 Date Finished: 6/01/12  
VTSPG NAD83: N 193479.90 ft E 1546421.80 ft  
Station: 122+89 Offset: -16.00  
Ground Elevation: 1419.5 ft

Casing Sampler  
Type: WB SS  
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 CE = 1.34

Groundwater Observations		
Date	Depth (ft)	Notes
05/31/12	12.9	AM
05/31/12		2.5' Above ground

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft	1-1-2-8 (3)	9.9	38.6	52.2	9.2
		A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft	3-4-6-11 (10)	9.1	57.8	36.1	6.1
		Field Note: NXDC, Cobbles					
10		A-1-a, SaGr, brn, Moist, Rec. = 1.1 ft, Broken (Cobbles) Rock were within sample.	18-33-18-21 (51)	8.7	60.7	31.0	8.3
		Field Note: NXDC, Boulder					
		A-1-b, GrSa, brn, Moist, Rec. = 1.5 ft, Broken (Cobbles) Rock were within sample.	9-12-20-16 (32)	9.6	38.6	47.1	14.3
		A-1-a, SaGr, brn, Moist, Rec. = 1.0 ft	11-22-11-22 (61)	10.3	59.7	29.1	11.2
		Field Note: NXDC, Boulder					
20		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft	14-14-14-14 (61)	11.2	41.4	40.6	18.0
		Field Note: NXDC, Cobbles					
		A-4, GrSaSi (Lab Note: HP), gry, Moist, Rec. = 0.8 ft	30-30-30-30 (61)	10.2	24.4	35.2	40.4
		Field Note: NXDC, Appears to be GrSaSi					
		A-4, GrSaSi (Lab Note: HP), gry, Moist, Rec. = 1.3 ft	26-40-26-40 (61)	8.5	31.4	32.3	36.3
		Field Note: NXDC, Appears to be GrSaSi					
30		A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.6 ft	20-28-33-33 (61)	9.5	17.6	37.7	44.7
		Field Note: NXDC, Appears to be GrSaSi					
		A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.7 ft	21-30-25-28 (55)	9.8	17.6	37.9	44.5
		Field Note: NXDC, Appears to be SaSi					
40		A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.8 ft	15-22-26-30 (48)	10.0	15.0	38.7	46.3
		Field Note: NXDC, Appears to be SaSi					
		A-4, GrSaSi, gry, Moist, Rec. = 1.6 ft	8-13-17-33 (30)	11.6	21.8	29.0	49.2
		Field Note: Roller Coned ahead. Appears to be SaSi					
50		Visual Description: SaSi, gry, Moist, Rec. = 0.2 ft, Insufficient sample for testing.	7-14-17-20 (31)	14.6			
		Field Note: Roller Coned ahead. Appears to be GrSa					
		A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.7 ft	6-10-16-22	14.5	12.0	30.9	57.1

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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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 CE = 1.34

Groundwater Observations		
Date	Depth (ft)	Notes
05/31/12	12.9	AM
05/31/12		2.5' Above ground

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
			(26)				
		Field Note: Roller Coned ahead. Appears to be SaSi					
		Field Note: No Recovery					
70			R01.0°				
		Field Note: Roller Coned ahead. Appears to be GrSaSi					
80		A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.6 ft	28-30-35-35 (65)	12.2	17.8	37.4	44.8
		Field Note: NXDC, Appears to be GrSaSi					
90		A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.1 ft	25-32-35-35 (67)	14.2	10.9	29.0	60.1
		Field Note: NXDC, Appears to be GrSaSi					
		Field Note: Roller Coned ahead. Appears to be GrSaSi					
		Field Note: No Recovery					
100			R06.0°				
		NXDC, Appears to be GrSaSi, 107.0 ft - 108.0 ft					
110		A-1-b, GrSa, gry, Moist, Rec. = 0.5 ft, Lab Note: Broken Weathered Rock was within sample	R06.0°	8.6	37.4	46.2	16.4
		Hole stopped @ 108.5 ft Sand was locking up the casing.					

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BORING LOG 2 WARDSBORO BRF 013-1(15) GRU VERMONT AOT/CAT 9/7/12

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