



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

BORING LOG

WARDSBORO  
 BF 013-1(21)  
 VT-100 BR-70

Boring No.: B-101  
 Page No.: 1 of 1  
 Pin No.: 13B072  
 Checked By: TDE

Boring Crew: DAIGNEAULT, JUDKINS, HOOK  
 Date Started: 12/06/13 Date Finished: 12/06/13  
 VTSPG NAD83: N 193304.08 ft E 1550611.56 ft  
 Station: 175+24.2 Offset: -16.60  
 Ground Elevation: 1291.0 ft

Casing Type: WB Sampler: 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 55 TRACK C = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
12/06/13	5.9	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-a, SaGr, Dk/brn, Moist, Rec. = 1.0 ft, Lab Note: Lots of Broken Rock was within sample	7-8-5-16 (13)	9.3	58.4	31.5	10.1
		A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft, Lab Note: Lots of Broken Rock was within sample. Cleaned out casing with roller cone.	8-7-9-10 (16)	4.4	55.9	34.4	9.7
		A-1-b, GrSa, brn, MTW, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample. NXDC, Cleaned out casing.	4-3-12-14 (15)	11.6	38.9	51.8	9.3
		No Recovery, 6.0 ft - 6.2 ft Field Note: NXDC, Cleaned out casing	R@2.5"				
10		A-1-b, SaGr, brn-gry, MTW, Rec. = 0.6 ft, Lab Note: Lots of Broken Rock was within sample. NXDC, Cleaned out casing.	11-12-11-16 (23)	12.5	55.3	32.7	12.0
		A-1-b, SiSaGr, brn, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample. NXDC, Cleaned out casing.	27-48-R@6.0" (R)	10.6	38.1	37.3	24.6
15		A-4, SaSi, Lt/brn, MTW, Rec. = 1.1 ft	17-17-21-23 (38)	19.4	6.1	39.3	54.6
		A-2-4, SiSa, brn, MTW, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample. Cleaned out casing with roller cone.	17-17-16-18 (33)	16.6	16.5	56.3	27.2
		A-2-4, GrSiSa, Lt/brn, Moist, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample.	9-33-45-R@2.5" (78)	12.2	24.0	42.0	34.0
		A-2-4, SiGrSa, Lt/brn, MTW, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample. NXDC, Cleaned out casing.	C34-41-R@5.0" (R)	10.5	31.2	45.5	23.3
20		A-4, SaSi, Lt/brn, MTW, Rec. = 1.2 ft, Lab Note: Broken Rock was within sample. Cleaned out casing with roller cone.	25-19-25-25 (44)	17.4	12.8	39.1	48.1
		A-4, SiSa, Lt/brn, MTW, Rec. = 1.1 ft	21-24-22-25 (46)	17.8	6.1	53.1	40.8
		A-2-4, Sa, Lt/brn, MTW, Rec. = 0.7 ft	6-18-23-22 (41)	16.8	12.7	70.3	17.0
		Hole stopped @ 26.0 ft					
		Remarks: 1. Hole collapsed at 4.6 ft.					

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 WARDBORO BF 013-1(21).GPJ VERMONT AOT.GDT 12/16/13



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BORING LOG

WARDSBORO  
 BF 013-1(21)  
 VT-100 BR-70

Boring No.: **B-102**

Page No.: 1 of 1

Pin No.: 13B072

Checked By: TDE

Boring Crew: GARROW, JUDKINS  
 Date Started: 12/10/13 Date Finished: 12/10/13  
 VTSPG NAD83: N 193261.92 ft E 1550623.19 ft  
 Station: 175+57.5 Offset: 11.50  
 Ground Elevation: 1296.0 ft

Casing WB Sampler 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 55 TRACK C<sub>r</sub> = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
12/10/13	8.9	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, GrSa, DK/brn, Moist, Rec. = 0.7 ft	11-10-39-18 (49)	13.1	27.9	56.5	15.6
		A-1-b, SaGr, white-brn, Moist, Rec. = 0.7 ft, Lab Note: Lots of Broken & Pulverized Rock (Granite) were within sample. Cleaned out casing with roller cone.		1.0	54.3	29.6	16.1
		A-1-b, SaGr, brn, Moist, Rec. = 0.6 ft, Lab Note: Lots of Broken Rock was within sample.	4-7-8-10 (15)	11.8	44.3	44.0	11.7
		A-1-b, GrSa, brn, Moist, Rec. = 0.5 ft, Lost water return at 4.0 feet. Lab Note: Lots of Broken & Pulverized Rock (Granite) w	6-3-2-3 (5)	12.2	41.4	48.0	10.6
10		Field Note: No Recovery, Cleaned out casing with roller cone.	7-4-4-2 (8)				
		Field Note: No Recovery	1-WH-1-1 (1)				
		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft, Lab Note: Lots of Broken Rock was within sample.	30-11-11-19 (22)	10.7	49.8	34.9	15.3
15		A-1-b, SiSaGr, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample. NXDC, Cleaned out casing.	35-R@5.0" (R)	9.2	41.2	34.5	24.3
		A-4, SiSa, brn, MTW, Rec. = 1.2 ft	17-23-21-22 (44)	18.1	9.3	52.2	38.5
		A-2-4, SiSa, brn, MTW, Rec. = 1.5 ft	13-30-30-R@5.0" (60)	14.3	12.0	52.9	35.1
		A-2-4, SiGrSa, brn, MTW, Rec. = 1.5 ft, Lab Note: Broken Rock was within sample.	25-24-22-23 (46)	11.9	27.9	46.2	25.9
20		A-2-4, GrSiSa, brn, MTW, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.	17-31-36-R@2.5" (67)	13.0	24.2	42.8	33.0
25		A-2-4, SiGrSa, brn, MTW, Rec. = 1.3 ft	17-23-30-R@2.5" (53)	16.1	25.0	54.3	20.7
		Hole stopped @ 26.7 ft					

Remarks:  
 1. Hole collapsed at 10.5 ft.

- 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.