



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

BORING LOG
WARDSBORO
BRF 013-1(15)
VT-100 BR-68
Boring No.: B-103
Page No.: 1 of 2
Pin No.: 92B283
Checked By: CEE

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: WB 4 in, SS 1.5 in
Sampler: SS 140 lb, 30 in
Type: WB
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: 05/31/12 Depth: 12.9 Notes: 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 %
10		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					
		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-R@2.5"	10.3	59.7	29.1	11.2
		Field Note:, NXDC, Boulder					
20		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft	14-R@6.0"	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-R@6.0"	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-R@6.0"	8.5	31.4	32.3	36.3
30		Field Note:, NXDC, Appears to be GrSaSi					
		A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.6 ft	20-28-33-R@2.5" (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
40		Field Note:, NXDC, Appears to be SaSi					
		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
50		Field Note:, Roller Coned ahead. Appears to be SaSi					
		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.

ABUT NO 2
BOTTOM CAP
ELEV 1407.00

BORING LOG 2 WARDSBORO BRF 013-1(15).GPJ VERMONT AOT.GDT 9/7/12



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VT-100 BR-68
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Checked By: CEE

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05/31/12 2.5' Above ground

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
70		Field Note:, Roller Coned ahead. Appears to be SaSi					
		Field Note:, No Recovery					
80		Field Note:, Roller Coned ahead. Appears to be GrSaSi					
		A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.6 ft	28-30-35-R@5.0" (65)	12.2	17.8	37.4	44.8
90		Field Note:, NXDC, Appears to be GrSaSi					
		A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.1 ft	25-32-35-R@2.0" (67)	14.2	10.9	29.0	60.1
100		Field Note:, Roller Coned ahead. Appears to be GrSiSa					
		Field Note:, No Recovery					
110		NXDC, Appears to be GrSiSa, 107.0 ft - 108.0 ft					
		A-1-b, GrSa, gry, Moist, Rec. = 0.5 ft, Lab Note: Broken Weathered Rock was within sample		8.6	37.4	46.2	16.4
		Hole stopped @ 108.5 ft Sand was locking up the casing.					

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EST PILE TIP
ELEV 1332.00

BORING LOG 2 WARDSBORO BRF 013-1(15).GPJ VERMONT AOT.GDT 9/7/12

PROJECT NAME: WARDSBORO
PROJECT NUMBER: BRF 013-1(15)
FILE NAME: s92b283bor_log.dgn PLOT DATE: 15-JUL-2015
PROJECT LEADER: C. CARLSON DRAWN BY: R. PELLETT
DESIGNED BY: MATERIALS & RESEARCH CHECKED BY: D. PETERSON
BORING LOGS 2 SHEET 23 OF 51