



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-101
Page No.: 1 of 2
Pin No.: 928283
Checked By: CEE

Boring Crew: PORTER, GARROW
Date Started: 5/21/12 Date Finished: 5/25/12
VTSPG NAD83: N 193418.70 ft E 1546472.50 ft
Station: 122+08 Offset: -20.00
Ground Elevation: 1417.6 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
05/24/12	17.0	AM
05/25/12		2.5' Above ground

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
10		A-2-4, SiGrSa, brn, Moist, Rec. = 1.2 ft	3-2-2-6 (4)	9.0	27.0	46.7	26.3
		A-1-b, SaGr, brn, Moist, Rec. = 1.1 ft	6-8-2-2 (10)	9.9	44.3	42.9	12.8
		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft, Broken (Cobbles) Rock were within sample.	2-3-3-3 (6)	6.9	44.1	47.4	8.5
		A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft, Broken (Cobbles) Rock were within sample.	7-10-R06.0" R02.5"	15.5	34.6	49.9	15.5
		Field Note: NXDC, Cobbles Field Note: No Recovery Field Note: NXDC, Boulder & Cobbles					
20		A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft	7-8-R04.5"	8.7	58.5	31.8	9.7
		Field Note: NXDC, Cobbles Field Note: NXDC, Silt					
		A-4, GrSaSi (Lab Note: HP), gry, Moist, Rec. = 0.5 ft	5-R02.5"	11.9	20.9	36.8	42.3
		Field Note: NXDC, Cobbles A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.3 ft	9-11-15 (17)	9.9	19.3	36.8	43.9
		A-4, GrSaSi (Lab Note: HP), gry, Moist, Rec. = 1.2 ft A-4, GrSaSi (Lab Note: HP), gry, Moist, Rec. = 1.2 ft	11-15-15 (26) 11-15-15 (30)	9.7 9.8	27.2 22.4	33.8 35.7	39.0 41.9
30		A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.3 ft	10-20-13-20 (33)	9.9	18.0	36.9	45.1
		A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.4 ft	11-11-30-15 (41)	10.2	16.2	38.2	45.6
		A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.6 ft	13-17-17-17 (34)	10.6	17.7	37.5	44.8
40		A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.6 ft	9-10-14-15 (24)	10.6	17.7	37.5	44.8
		A-4, GrSaSi (Lab Note: HP), gry, Moist, Rec. = 1.4 ft	11-16-16-14 (32)	11.1	30.0	32.5	37.5
50		No Recovery, 49.0 ft - 51.0 ft, Stone in end of sampler.	13-14-16-40 (30)				
		A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.8 ft	8-10-15-30 (25)	12.9	9.4	28.7	61.9
60		A-4, GrSaSi (Lab Note: HP), gry, Moist, Rec. = 1.6 ft	12-13-27-27 (40)	10.8	21.0	39.0	40.0

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.



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-101
Page No.: 2 of 2
Pin No.: 928283
Checked By: CEE

Boring Crew: PORTER, GARROW
Date Started: 5/21/12 Date Finished: 5/25/12
VTSPG NAD83: N 193418.70 ft E 1546472.50 ft
Station: 122+08 Offset: -20.00
Ground Elevation: 1417.6 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
05/24/12	17.0	AM
05/25/12		2.5' Above ground

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
70		A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.4 ft	11-14-15-20 (29)	11.0	13.0	39.2	47.8
		A-4, SaSi (Lab Note: HP), gry, Moist, Rec. = 1.6 ft	15-20-38-40 (58)	11.5	15.4	31.8	52.8
		A-4, GrSaSi (Lab Note: HP), gry, Moist, Rec. = 1.0 ft Field Note: Changed drill rigs, Sleaved casing down to 3.0 inch	20-32-50-R00.0"	10.2	20.8	34.3	44.9
		A-4, SaSi, gry, Moist, Rec. = 1.6 ft, Lab Note: Not as Hard Packed	13-16-20-30 (36)	18.2	14.2	38.5	47.3
		A-2-4, SaSiGr (Lab Note: HP), gry, Moist, Rec. = 0.4 ft	R05.0"	9.7	45.4	26.6	28.0
90		A-4, SaSi, gry, Moist, Rec. = 1.5 ft, Lab Note: Not as Hard Packed	18-33-35-35 (68)	17.6	12.6	26.1	61.3
		A-4, Si, gry, Moist, Rec. = 1.2 ft	10-35-R06.0"	18.2	18.7	18.2	63.1
100		A-4, GrSiSa (Lab Note: HP), gry, Moist, Rec. = 0.9 ft	35-R05.0"	11.1	22.3	41.0	36.7
		A-2-4, SaSiGr, gry, Moist, Rec. = 0.5 ft, Broken Rock was within sample.	R06.0"	13.0	37.0	28.6	34.4
110		A-1-b, SiSaGr, gry, Moist, Rec. = 0.5 ft, Broken Rock was within sample.	R06.0"	9.3	44.2	34.6	21.2
		Field Note: BXDC, Cobbles A-1-b, SiSaGr, gry, Moist, Rec. = 0.5 ft, Broken Rock was within sample. Hole stopped @ 114.5 ft	R06.0"	10.2	46.6	33.0	20.4
120							

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.

BORING LOG 2 WARDSBORO BRF 013-1(15) GP1 VERMONT NOT.GOV 9/7/12

BORING LOG 2 WARDSBORO BRF 013-1(15) GP1 VERMONT NOT.GOV 9/7/12