



STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

BORING LOG

Ferrisburgh
RREW001D
Milepost 99.1

Boring No.: B-101
Page No.: 1 of 1
Pin No.: 13g526
Checked By: MLM

Boring Crew: New England Boring Contractors, DuBois & King
Date Started: 12/01/16 Date Finished: 12/01/16
VTSPG NAD83: N 608989.25 ft E 1450769.72 ft
Station: 5235+47.62 Offset: 0.00
Ground Elevation: 246.93 ft

Casing: WB Sampler: SS
Type: WB I.D.: 4 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. N.A.
Hammer/Rod Type: Auto/NWJ
Rig: Volvo D53 CE = Unknown

Groundwater Observations

Date	Depth (ft)	Notes

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
5									
10		A-2-4, GrSiSa, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken rock and some clay was within sample. Sample tested non-plastic	12-7-6-7 (13)	15.4	23.0	52.3	24.7		
12		A-6, SiCl, brn, Moist, Rec. = 1.3 ft, Lab Note: Decomposing wood and wood fibers were within sample	6-4-9-16 (13)	28.2	12.2	32.9	54.9	34	15
14		A-7-6, Cl, Dk/gry, Moist, Rec. = 1.3 ft, Lab Note: Similar Atterberg limits to 15-17 foot sample	8-8-11-13 (19)	30.4	15.1	31.7	53.2		
16		A-7-6, Cl, Dk/gry, Moist, Rec. = 1.7 ft	4-7-9-10 (16)	34.7	2.3	20.0	77.7	56	31
18		A-7-6, Cl, Lt/brn-gry, Moist, Rec. = 2.0 ft, Lab Note: Pieces of decomposing wood and wood fibers were within sample. Similar Atterberg limits to 15-17 foot sample	8-9-11-10 (20)	28.9	11.1	34.6	54.3		
20		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft, Lab Note: Material from Unconfined Compressive Strength T-208 tube sample "A"		36.9	0.1	1.0	98.9	48	22
22		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft, Lab Note: Pieces of wood and wood fibers were within sample. Similar Atterberg limits to 20-22 foot sample	4-8-9-8 (17)	25.1	14.6	13.7	71.7		
24		Visual Description:, Cl, gry, Moist, Rec. = 2.0 ft, Lab Note: Similar properties and characteristics to 22-24 foot sample							
26		A-4, SaSi, gry, Moist, Rec. = 0.5 ft, Lab Note: Some Clay was within sample. Sample tested non-plastic	5-R@6" (R)	16.5	15.7	26.7	57.6		
30		Visual Description:, SaSi, gry, Moist, Rec. = 1.3 ft, Lab Note: Similar characteristics and properties to 26-27 foot sample	16-26-30-30 (56)	19.2					
32		Hole stopped @ 32.0 ft							
35		Remarks: 1. 20 and 24 foot samples were 3x30 inch Shelby Tube undisturbed samples.							

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 <<SUB>><<SUB>> 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.



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Boring No.: B-102
 Page No.: 1 of 1
 Pin No.: 13g526
 Checked By: MLM

Boring Crew: New England Boring Contractors, DuBois & King
 Date Started: 12/01/16 Date Finished: 12/01/16
 VTSPG NAD83: N 608993.85 ft E 1450760.84 ft
 Station: 5235+57.62 Offset: 0.00
 Ground Elevation: 246.85 ft

Type: WB Sampler SS
 I.D.: 4 in 1.5 in
 Hammer Wt: N.A. 140 lb.
 Hammer Fall: N.A. N.A.
 Hammer/Rod Type: Auto/NWJ
 Rig: Volvo D53 CE = Unknown

Groundwater Observations

Date	Depth (ft)	Notes

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
5									
10		A-4, SaSi, Lt/brn-gry, Moist, Rec. = 0.9 ft, Lab Note: Broken rock and some clay was within sample. Sample tested non-plastic	6-6-6-7 (12)	25.7	17.2	35.1	47.7		
		A-4, SaSi, Dk/gry, Moist, Rec. = 1.5 ft, Lab Note: Some clay was within sample. Sample tested non-plastic	4-5-7-8 (12)	29.6	2.6	45.9	51.5		
		A-4, SaSi with layer of organics, brn, Moist, Rec. = 2.0 ft, Lab Note: Some clay was within sample. Sample tested non-plastic	6-8-9-7 (17)	24.4	7.3	49.2	43.5		
15		A-7-6, Cl, brn-gry, Moist, Rec. = 1.0 ft, Lab Note: Broken rock was within sample	3-7-7-5 (14)	31.0	6.7	43.2	50.1	47	21
		A-7-6, Cl, gry, Moist, Rec. = 2.0 ft, Lab Note: Similar Atterberg limits to 15-17 foot sample	8-9-9-9 (18)	31.0	4.8	35.6	59.6		
20		A-7-6, Cl, Lt/gry, Moist, Rec. = 2.0 ft	2-5-5-7 (10)	39.9	8.0	12.6	79.4	56	31
		A-7-6, Cl, Lt/gry-brn, Moist, Rec. = 2.0 ft, Lab Note: Similar Atterberg limits to 20-22 foot sample	6-9-13-11 (22)	37.6	9.8	25.3	64.9		
25		A-4, GrSaSi, Lt/gry, Moist, Rec. = 2.0 ft, Lab Note: Broken rock and some clay was within sample. Sample tested non-plastic	4-4-3-2 (7)	14.2	21.7	32.5	45.8		
		A-4, SaSi, Lt/gry, Moist, Rec. = 2.0 ft, Lab Note: Broken rock and some clay was within sample. Sample tested non-plastic	1-5-2-4 (7)	20.5	19.9	25.2	54.9		
		A-4, Si, gry, Moist, Rec. = 2.0 ft, Lab Note: Some clay was within sample. Sample tested non-plastic	4-8-13-18 (21)	24.4	8.8	17.5	73.7		
30		Visual Description:, Si, gry, Moist, Rec. = 1.5 ft, Lab Note: A small amount of clay was within sample. Sample tested non-plastic	11-25-26-31 (51)	21.3					
35		Visual Description:, SaSi, Dk/gry, Moist, Rec. = 1.0 ft, Lab Note: A very small amount of clay was within sample. Sample tested non-plastic	39-44-41-38 (85)	19.1					
40		Visual Description:, Si, Dk/gry, Moist, Rec. = 1.3 ft, Lab Note: Sample tested non-plastic	32-36-37-30 (73)	20.0					
		Hole stopped @ 42.0 ft							
45									

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
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BORING LOG 2-FERRISBURGH RREW001D.GPJ VERMONT | AOT.GDT 12/22/16