



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

BORING LOG

Waterbury-Stowe
 STP 2945(1)
 VT-100 Mast Arms

Boring No.: B-203

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Pin No.: 11b342

Checked By: END

Boring Crew: Emerson, Garrow, Mazzei

Date Started: 7/17/17 Date Finished: 7/17/17

VTSPG NAD83: N 676543.30 ft E 1578809.72 ft

Station: 87+17 Offset: 23.70

Ground Elevation: 580.2 ft

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 45C SKID CE = 1.42

Groundwater Observations

Date	Depth (ft)	Notes
07/17/17	5.0	W.T. during drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, GrSa, brn, Moist, Rec. = 1.7 ft			2-3-2-3 (5)	11.7	21.5	65.6	12.9
		A-2-4, GrSiSa, brn, Moist, Rec. = 1.2 ft			1-2-2-3 (4)	20.1	20.9	44.5	34.6
		A-4, SaSi, brn, Moist, Rec. = 0.9 ft			3-1-3-1 (4)	24.2	10.6	36.2	53.2
		A-4, SaSi, gry, Moist, Rec. = 2.0 ft, Lab Note: A small amount of clay was within sample. Sample tested non-plastic			1-1-1-1 (2)	31.3	1.9	36.3	61.8
10		Field Note:, No Recovery			WH-WH-1-1 (1)				
15		A-1-b, SiSaGr, gry, Moist, Rec. = 0.6 ft, Lab Note: Broken rock was within sample			4-7-9-8 (16)	17.8	44.3	35.6	20.1
		Field Note:, NXDC, Cleaned out casing							
		A-4, Si, gry, Moist, Rec. = 0.2 ft, Lab Note: Insufficient sample size to perform Atterberg limit tests			1-2-3-2 (5)	29.1	18.9	13.2	67.9
20		A-1-b, SiGrSa, gry, Moist, Rec. = 0.5 ft, Lab Note: Some clay was within sample. Sample tested non-plastic			2-2-2-2 (4)	34.4	38.1	41.6	20.3
25		A-4, GrSi, gry, Moist, Rec. = 0.2 ft, Lab Note: Broken rock was within sample	1 (70-80)	90 (90)	R@2-5" (R)	14.2	25.6	0.5	73.9
30		25.2 ft - 30.2 ft, Black-light gray, -green graphitic PHYLLITE, consisting of zones with very fine-grained black minerals that are graphitic and host sulfides, interbedded with "sandy" light gray-green zones of muscovite-biotite-chlorite-quartz. Joints are moderately rough with bright orange oxidation. Moderately hard, Moderately weathered, Fair rock, NX, RMR=53			Top of Bedrock @ 25.2 ft				
Hole stopped @ 30.2 ft									
Remarks: Hole collapsed at 18.4 feet.									

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.

BORING LOG - WATERBURY-STOWE STP2945(1) - VERMONT ROUTE 302 - 03/17