



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

BORING LOG

Williston-Essex
 STP SGNL(46)
 VT 2A

Boring No.: B-109
 Page No.: 1 of 1
 Pin No.: 15t017
 Checked By: ZMH

Boring Crew: JUDKINS, GARROW, COLETTI
 Date Started: 5/10/16 Date Finished: 5/16/16
 VTSPG NAD83: N 732589.46 ft E 1487410.01 ft
 Station: 207+59.70 Offset: 74.30
 Ground Elevation: 497.2 ft

Type: _____
 I.D.: _____
 Hammer Wt: _____
 Hammer Fall: _____
 Hammer/Rod Type: _____
 Rig: _____

Casing: WB
 Sampler: SS
4 in 1.5 in
N.A. 140 lb.
N.A. 30 in.
Auto/AWJ
CME 45C TRACK CE = 1.41

Groundwater Observations		
Date	Depth (ft)	Notes
05/11/16	1.8	W.T. before drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-4, GrSaSi, brn-gry, Moist, Rec. = 1.2 ft	2-3-4-5 (7)	17.6	21.2	36.2	42.6
		A-4, SaSi, Lt/brn-gry, Moist, Rec. = 1.3 ft	6-7-7-9 (14)	12.3	13.1	34.8	52.1
		A-4, SaSi, Lt/brn-gry, Moist, Rec. = 1.3 ft	10-R@3.5" (R)	12.6	15.2	29.2	55.6
10		A-4, SaSi, Lt/brn-Lt/gry, Moist, Rec. = 1.2 ft, Lab Note: Broken rock was within sample	21-13-14-19 (27)	12.4	18.9	35.2	45.9
		A-4, GrSaSi, Lt/brn-Lt/gry, Moist, Rec. = 1.3 ft, Lab Note: Broken rock was within sample	13-11-17-R@1" (28)	12.8	23.0	24.8	52.2
		Field Note: NXDC, through boulder					
15		Field Note: NXDC, cleaned out casing					
		A-2-4, SiGrSa, Lt/brn-Lt/gry, Moist, Rec. = 1.3 ft, Lab Note: Broken rock was within sample	22-31-27-R@3.5" (58)	10.9	39.9	33.8	26.3
		Field Note: NXDC, cleaned out casing					
20		A-1-b, SiSaGr, brn-gry, Moist, Rec. = 0.9 ft, Lab Note: Broken and weathered rock was within sample.	48-R@5" (R)	15.2	42.0	33.5	24.5
		Field Note: NXDC, cleaned out casing					
		Field Note: NXDC, cleaned out casing					
25		Visual Description: Broken and weathered rock, gry, Moist, Rec. = 0.1 ft, Lab Note: Insufficient sample size for testing. Hole stopped @ 25.1 ft Remarks: Hole Collapsed at 15.9 feet.	R@1"				

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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