



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

BORING LOG

Williston-Essex
STP SGNL(46)
VT 2A

Boring No.: B-110
Page No.: 1 of 1
Pin No.: 15t017
Checked By: ZMH

Boring Crew: NIETO, GARROW, COLETTI
Date Started: 5/11/16 Date Finished: 5/11/16
VTSPG NAD83: N 732535.09 ft E 1487471.10 ft
Station: 208+79.00 Offset: 44.50
Ground Elevation: 500.8 ft

Casing: WB Sampler: SS
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 = 1.41

Groundwater Observations

Date	Depth (ft)	Notes
05/11/16	4.2	W.T. after drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, SaGr, brn, Moist, Rec. = 8.0 ft, Lab Note: Grass and grass roots were within sample.				2-3-2-2 (5)	10.6	43.7	41.9	14.4
		A-4, GrSaSi, brn-gry, Moist, Rec. = 0.9 ft				2-5-6-6 (11)	13.7	23.5	35.2	41.3
		A-4, GrSaSi, gry-brn, Moist, Rec. = 1.6 ft				5-6-6-7 (12)	12.6	22.0	30.8	47.2
		A-2-4, SaSiGr, Lt/gry-brn, Moist, Rec. = 1.2 ft				7-7-15-35 (22)	11.0	39.6	26.8	33.6
		A-1-b, SaGr, Lt/gry-Lt/brn, Moist, Rec. = 0.4 ft				R@5" (R)	9.4	49.2	33.4	17.4
15		12.5 ft - 17.5 ft, Light green/gray, Phyllite, with quartz veins. Penetrative brown and rust staining on joints. Vugs present from 12.8 to 13.6 ft. Near verticle fractures at 15.4 to 15.7 ft and 16.7 to 16.9 ft. Vuggy section is slightly weathered.. Moderately hard, Slightly weathered, Poor rock, NXMDC, RMR=30.	R-1 (45-50)	98 (14)	2	Top of Bedrock @ 12.5 ft				
					3					
					3					
					8					
20		17.5 ft - 22.5 ft, Light green/gray, Phyllite, with quartz veins. Yellow and rust staining along joints and few slickensides.. Moderately hard, Slightly to moderately weathered, Fair rock, NXMDC, RMR=41	R-2 (45)	76 (29)	4					
					5					
					5					
					5					
25		Hole stopped @ 22.5 ft								
		Remarks: Hole collapsed at 15.6 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.

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