



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

BORING LOG
Williston-Essex
STP SGNL(46)
VT 2A

Boring No.: **B-102**
Page No.: **1 of 1**
Pin No.: **15t017**
Checked By: **ZMH**

Boring Crew: JUDKINS, GARROW
Date Started: 4/07/16 Date Finished: 4/11/16
VTSPG NAD83: N 732034.63 ft E 1486760.79 ft
Station: 20+06.80 Offset: -30.50
Ground Elevation: 497.4 ft

Type: WB Casing SS Sampler
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 55 TRACK CE = 1.41

Groundwater Observations		
Date	Depth (ft)	Notes
04/11/16		No W.T. to depth

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 %	LL %	PI %
		Asphalt Pavement, 0.0 ft - 0.42 ft										
		A-1-a, SaGr, gry, Moist, Rec. = 1.2 ft, Lab Note: A lot of broken rock and some asphalt pavement was within sample. Field Note:, Cleaned out casing				15-18-13-16 (31)	5.4	72.5	21.1	6.4		
		A-1-a, SaGr, gry, Moist, Rec. = 0.5 ft, Lab Note: A lot of broken rock was within sample.				16-13-10-10 (23)	6.7	69.1	23.2	7.7		
5		A-3, Sa, brn, Moist, Rec. = 0.8 ft Field Note:, Cleaned out casing				7-3-3-4 (6)	6.1	3.4	87.3	9.3		
		A-3, Sa, gry, MTW, Rec. = 1.0 ft Field Note:, Cleaned out casing					15.3	6.0	87.3	6.7		
		A-1-b, SaGr, gry, Moist, Rec. = 0.5 ft, Lab Note: Broken rock was within sample. Field Note:, Cleaned out casing				4-8-12-18 (20)	8.4	55.0	38.2	6.8		
10		A-1-a, Gr, gry, Moist, Rec. = 0.5 ft, Lab Note: Sample consisted entirely of clean broken rock. Field Note:, Cleaned out casing				10-8-9-10 (17)	6.4	91.3	8.3	0.4		
		A-1-a, Gr, gry, Moist, Rec. = 0.9 ft, Lab Note: A lot of broken rock and asphalt pavement was within sample.				11-15-8-R@3.5" (23)	6.8	88.1	10.9	1.0		
		Field Note:, Cleaned out casing										
15		A-6, SiCl, gry, Moist, Rec. = 1.2 ft, Lab Note: Wood fibers were within sample. Field Note:, Pushed Shelby Tube, gry, Moist				2-3-5-5 (5)	30.3	0.7	19.0	80.3	39	16
		Field Note:, Cleaned out casing										
20		A-4, GrSaSi, brn, Moist, Rec. = 0.8 ft, Lab Note: Sample tested non-plastic.				5-6-R@2.5" (R)	11.7	28.4	33.6	38.0		
		21.6 ft - 26.2 ft, Light gray/green, Phyllite, with quartz veins. Rust staining on joints. Moderately hard, Very slightly weathered, Fair rock, NX, RMR=41	1 (40-45)	90 (36)	5							
					8							
					5							
25					5							
		26.2 ft - 31.2 ft, Light gray/green, Phyllite, with quartz veins. Massive quartz vein at 28.8 to 29.25 feet. Rust staining along joints. Moderately hard, Very slightly weathered, Poor rock, NX, RMR=36	2 (40-45)	92 (21)	5							
					3							
					3							
30					5							
					4							
Hole stopped @ 31.2 ft												

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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