



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

BORING LOG

MORRISTOWN
 STP SGNL(47)
 VT-100 MAST ARMS

Boring No.: **B-104**

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Pin No.: 15T047

Checked By: MJB

Boring Crew: JUDKINS, GARROW, NIETO
 Date Started: 8/31/15 Date Finished: 9/01/15
 VTSPG NAD83: N 750048.84 ft E 1611653.66 ft
 Station: 7+496 Offset: 45.00
 Ground Elevation: 667.0 ft

Casing: 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 TRACK C_r = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
08/31/15	12.8	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, SiGrSa, brn, Moist, Rec. = 0.8 ft, Lab Note: Pieces of Wood were within sample.	2-2-3-3 (5)	26.2	33.4	43.6	23.0
		A-4, SaSi, Lt/brn, Moist, Rec. = 1.5 ft, Cleaned out casing.	4-4-5-6 (9)	18.5	10.3	26.0	63.7
		A-4, SaSi, brn, Moist, Rec. = 1.4 ft	5-12-20-17 (32)	19.9	14.8	42.5	42.7
10		A-2-4, SiSa, brn, Moist, Rec. = 1.0 ft, Cleaned out casing.	12-13-11-14 (24)	15.8	19.5	46.7	33.8
		A-1-b, GrSa, brn, Moist, Rec. = 0.4 ft, Cleaned out casing.	8-10-6-11 (16)	12.1	40.8	41.7	17.5
		A-1-b, SaGr, gry, Moist, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample.	18-40-R@3.5" (R)	10.5	43.7	38.0	18.3
15		Field Note:, Cleaned out casing					
		A-1-b, SaGr, gry, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.	44-40-R@3.5" (R)	8.7	57.0	27.3	15.7
		Field Note:, Cleaned out casing					
20		Field Note:, No Recovery	5-6-5-4 (11)				
25		A-4, SiSa, gry, MTW, Rec. = 1.0 ft	3-4-4-R@2.5" (8)	22.9	3.1	61.2	35.7
		Field Note:, Went down with clean out barrel and broke through at 28.5 ft					
30		Hole stopped @ 28.5 ft					
		Remarks: Hole collapsed at 11.2 ft.					

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 2. N Values have not been corrected for hammer energy. C_r 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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