
 STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION	BORING LOG		Boring No.: B-103
	ST. JOHNSBURY BF 7000(20) VT-2B BR-6		Page No.: 1 of 3 Pln No.: 86E048 Checked By: END
Boring Crew: HOOK, DAIGNEAULT Date Started: 6/16/14 Date Finished: 6/18/14 VTSPG NAD83: N 700872.66 ft E 1761696.27 ft Station: 63+25 Offset: -38.60 Ground Elevation: 672.38 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 55 TRACK C = 1.46	Groundwater Observations Date Depth Notes 06/17/14 11.8 While drilling. 06/18/14 11.2 While drilling.	


Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip-seg.)	Core Rec. (RCD %)	Dill Rate (min/ft)	Blow# (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %						
5	[Diagonal Hatching]	A-4, SaSl, brn. Moist. Rec. = 0.4 ft. Cleaned out with roller cone.				WH-WH-1-1 (1)	21.9	3.0	48.3	48.7								
		A-4, ClSl, brn-gry. Moist. Rec. = 1.8 ft. Cleaned out with roller cone.											1-1-1-2 (2)	31.5	3.4	96.6	28	8
		A-6, SlCl, gry. Moist. Rec. = 2.0 ft. Cleaned out with roller cone.											WH-WH-WH-WH (WH)	37.6	0.2	99.8	32	13
		A-6, SlCl, gry. Moist. Rec. = 2.0 ft. Cleaned out with roller cone. Material from Consolidation sample & Triaxial T-208 tube sample "A".												42.4	0.2	99.8	39	19
		A-7-5, Cl, gry. Moist. Material from Triaxial T-208 "B" & "C" tube samples.												49.0	0.8	99.2	47	24
		A-7-5, Cl, gry. Moist. Rec. = 2.0 ft. Material from Consolidation sample & Triaxial T-208 tube sample "A".												45.7	0.9	99.1	45	22
		A-7-5, Cl, gry. Moist. Rec. = 2.0 ft. Material from Consolidation sample & Triaxial T-208 tube sample "A".												48.8	0.5	99.5	50	25
		A-7-5, Cl, gry. Moist. Material from Triaxial T-208 "B" & "C" tube samples.												42.7				
		Visual Description: SlCl, gry. Moist. Rec. = 2.0 ft. Lab Note: Material similar as 12-14 ft.												(WH)				
		A-6, SlCl, gry. Moist. Rec. = 2.0 ft. Cleaned out with roller cone.												(WH)	41.0	0.3	99.7	36
Visual Description: SlCl, gry. Moist. Rec. = 2.0 ft. Lab Note: Material similar as 16-18 ft.	(WH)	40.5																
A-6, SlCl, gry. Moist. Rec. = 2.0 ft. Cleaned out with roller cone.	(WH)	41.3	7.3	0.2	92.5	39	18											
Visual Description: SlCl, gry. Moist. Rec. = 2.0 ft. Lab Note: Material similar as 20-22 ft.	WH-2-2 (4)	34.5																
A-6, SlCl, gry. Moist. Rec. = 2.0 ft	WH-1-1-2 (3)	37.7	0.4	99.6	36	16												
Field Note: Cleaned out with roller cone																		
A-4, ClSl, gry. Moist. Rec. = 2.0 ft	WH-1-1-1 (2)	30.6	0.3	99.7	28	9												

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 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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30	[Wavy Hatching]	Visual Description: Broken Rock with silt & little clay, gry. MTW, Rec. = 0.5 ft. Insufficient sample for testing.				3-5-3-6 (6)	13.2										
		A-4, GrSlSa (HP), gry. Moist. Rec. = 0.3 ft											R@3.5" (R)	8.0	21.7	39.7	38.6
		Field Note: Cleaned out with roller cone															
		A-4, SlSa (HP), gry. Moist. Rec. = 0.3 ft											R@3.5" (R)	8.8	18.2	41.5	40.3
		Field Note: Cleaned out with roller cone															
		A-4, SaSl (HP), gry. Moist. Rec. = 0.9 ft											35-R@5.0" (R)	9.2	14.7	36.2	49.1
		Field Note: Cleaned out with roller cone															
		A-2-4, SaSlGr, gry. Moist. Rec. = 0.7 ft. Lab Note: Broken Rock was within sample.											35-R@2.5" (R)	7.1	41.5	26.4	32.1
		Field Note: Cleaned out with NXDC															

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55	[Diagonal Hatching]	A-4, SaGrSl, gry. Moist. Rec. = 0.4 ft				R@5.0" (R)											
		Field Note: Cleaned out with NXDC															
		A-4, GrSaSl, gry. Moist. Rec. = 1.0 ft. Lab Note: Broken Rock was within sample.											44-46-R@1.0" (R)	8.1	25.1	31.7	43.2
		63.4 ft - 68.4 ft, Bluish-gray, Micaceous siliceous Meta-Limestone, Hard, Unweathered, Good rock, NXMDC, RMR = 72											1 (30)	96 (56)	4		Top of Bedrock @ 63.4 ft
65	[Brick Pattern]	68.4 ft - 73.4 ft, Bluish-gray, Micaceous siliceous Meta-Limestone, Hard, Unweathered, Very good rock, NXMDC, RMR = 94				2 (7)	100 (100)										
75	[Diagonal Hatching]	Remarks: Hole collapsed at 59.2 ft.															

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