

BORING LOG		Boring No.: B-102	
STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		Page No.: 1 of 3	
BRUNSWICK BF 0271(23) VT-102 BR-6		Pln No.: 13C056	
Checked By: END		Checked By: END	
Boring Crew: GARROW, HOOK, NIETO		Type: Casing WB Sampler SS	
Date Started: 9/09/14 Date Finished: 9/17/14		L.D.: 4 in 1.5 in	
VTSPG NAD83: N 801914,92 ft E 1873682,66 ft		Hammer Wt: N.A. 140 lb.	
Station: 13+77 Offset: 18,00		Hammer Fall: N.A. 30 in.	
Ground Elevation: 875,85 ft		Hammer/Rod Type: Auto/AWJ	
Rlg: CME 55 TRACK		C: 1.46	
Groundwater Observations		Date	
Notes		Depth (ft)	
		09/10/14 11.4 After 14 hrs.	
		09/11/14 5.6 After 12 hrs.	
		09/11/14 137.0 Aquifer, See Remark	
CLASSIFICATION OF MATERIALS (Description)		Run (Dip deg.)	
		Core Rec. % (ROD %)	
		Dip Rate (min/sect)	
		Blow # (N Value)	
		Moisture Content %	
		Gravel %	
		Sand %	
		Fines %	
Field Note: Fill material was added for drill rig platform, Fill material was Broken Rock, Gravel, and Sand.		2-4-2-1 (6)	
		2-1-1-3 (2)	
		3-4-9-6 (19)	
		3-4-5-4 (9)	
		5-2-4-4 (5)	
		13-13-22-30 (36)	
		9-29-35-26 (64)	
A-2-4, SiSa, gry, MTW, Rec. = 0,9 ft		47-15-12-5 (28)	
A-2-4, Sa, gry, MTW, Rec. = 0,9 ft		24,1 0,4 85,9 13,7	
A-4, SiSa, gry, MTW, Rec. = 1,0 ft		6-3-3-3 (6)	
		1-2-1-2 (3)	
		WH-1-2-2 (3)	
A-3, Sa, gry, MTW, Rec. = 0,7 ft		1-3-3-3 (6)	
Field Note: Open hole drilling. Sampled with NWJ rod		20,6 5,2 91,3 3,5	
A-2-4, Sa, gry, MTW, Rec. = 1,0 ft		5-6-6-8 (11)	
		20,6 0,4 81,5 18,1	
A-1-b, Sa, gry, Molst, Rec. = 2,0 ft		1-5-9-11 (14)	
		16,7 5,1 87,9 7,0	
A-2-4, Sa, gry, MTW, Rec. = 1,1 ft		2-6-10-9 (16)	
		20,1 1,4 82,9 15,7	

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
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		Core Rec. % (ROD %)	
		Dip Rate (min/sect)	
		Blow # (N Value)	
		Moisture Content %	
		Gravel %	
		Sand %	
		Fines %	
A-2-4, SiSa, gry, MTW, Rec. = 1,5 ft		7-8-9-9 (17)	
		22,1 0,1 78,3 21,5	
A-4, Si, gry, MTW, Rec. = 1,6 ft		6-6-7-10 (13)	
		30,3 16,6 83,4	
Field Note: No Recovery, Appears to be Silty Sand		5-5-8-10 (13)	
		22,3 0,2 71,4 28,4	
A-2-4, SiSa, gry, MTW, Rec. = 1,3 ft		2-4-6-10 (10)	
		22,3 0,2 71,4 28,4	
A-2-4, SiSa, gry, MTW, Rec. = 0,6 ft		5-9-12-36 (20)	
		21,6 1,5 71,8 26,7	
Field Note: Cleaned out with roller cone		10-14-13-15 (27)	
A-4, SiSa, gry, MTW, Rec. = 1,9 ft		61,0 39,0	
A-4, SaSi, gry, MTW, Rec. = 1,5 ft		14-20-17-22 (37)	
		20,5 3,8 44,1 52,1	
Field Note: Aquifer at 137,0 ft.			

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		Moisture Content %	
		Gravel %	
		Sand %	
		Fines %	
A-4, Si, brn, MTW, Rec. = 1,0 ft		8-10-16-21 (26)	
		24,0 18,2 3,7 52,9 43,4	
Field Note: Sleaved 3.0 inch casing. Sampling with AWJ rod			
A-4, SiSa, Litbrn, MTW, Rec. = 1,0 ft		7-13-16-20 (29)	
		18,2 3,7 52,9 43,4	
A-4, SiSa, brn-gry, MTW, Rec. = 1,4 ft		11-42-27-80,5,0* (69)	
		18,5 7,0 54,2 38,8	
Field Note: Cleaned out with roller cone			
Visual Description: G-Sa with Broken Rock, brn-gry, Moist. Rec. = 0,1 ft. Insufficient sample for testing.		13-19-28-29 (47)	
Field Note: Pulled 3,0 inch casing and changed bit. Advanced to 175,0 ft.			
Field Note: Pulled 3,0 inch casing and changed bit. Advanced to 179,0 ft.			
A-2-4, SiG/Sa, Litbrn, Moist. Rec. = 0,4 ft. Lab Note: Broken Rock was within sample.		6-4-8-12 (12)	
		14,3 35,8 39,6 24,6	
182,9 ft - 183,9 ft. White to dark-gray to pink, medium to coarse-grained Granite, with close to very closely spaced horizontal jointing, Very hard. Unweathered, Falr rock, BXDC, RMR = 42		1 100 5	
183,9 ft - 185,9 ft. White to dark-gray to pink, medium to coarse-grained Granite, with close to very closely spaced horizontal jointing. Very hard. Unweathered, Falr rock, BXGDC, RMR = 42		2 12 24	
185,9 ft - 188,9 ft. White to dark-gray to pink, medium to coarse-grained Granite, with close to very closely spaced horizontal jointing. Very hard. Unweathered, Falr rock, BXGDC, RMR = 42		3 96 24	
188,9 ft - 183,9 ft. White to dark-gray to pink, medium to coarse-grained Granite, with close to very closely spaced horizontal jointing, Very hard. Unweathered, Falr rock, BXGDC, RMR = 42		4 90 7	
193,9 ft - 197,9 ft. White to dark-gray to pink, medium to coarse-grained Granite, with close to very closely spaced horizontal jointing, Very hard. Unweathered, Falr rock, BXGDC, RMR = 42		5 5 6 6 6	
Hole stopped @ 197,9 ft			
Remarks: 1. Aquifer at 137,0 feet. Water overflowed with 12,0 feet of pipe attached to the top of casing. 2. The Ground Elevation was taken on top of the fill material that was added for a drill rig platform.			

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