



STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING NUMBER: B-15
SHEET 1 of 2
DATE STARTED: 12/14/09
DATE COMPLETED: 12/23/09

PROJECT NAME: BRATTLEBORO PROJECT NUMBER: IM 091-1(50)
SITE NAME: I-91 SITE NUMBER: BR 6 N&S
STATION: 463+17 GROUND ELEVATION: 351.3 ft
OFFSET: -55.45 GROUNDWATER DEPTH: 18.6 ft 12/16/09
VTSPG NAD83: N 127134.47 ft E 1619298.70 ft PROJECT PIN NUMBER: 02A014

BORING CREW BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
CREW CHIEF: GARROW BORING TYPE: WASH BORE
DRILLER: GARROW SAMPLE TYPE: SPLIT BARREL
LOGGER: MAHMUTOVIC CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
5		A-1-b, GrSa, brn, Moist, Rec. = 0.9 ft	5	15.5	28.7	53.3	18.0
10		A-2-4, GrSiSa, gry, MTW, Rec. = 1.0 ft	4	14.3	23.1	42.8	34.1
10		Field Note:, NXDC, Cobbles					
15		A-4, GrSiSa, gry, MTW, Rec. = 1.5 ft	21	10.4	25.4	38.0	36.6
20		A-2-4, SiGrSa, gry, MTW, Rec. = 1.6 ft	47	9.1	32.0	36.2	31.8
20		A-4, SaSi, gry, MTW, Rec. = 1.6 ft	20	13.1	17.7	34.6	47.7
30		A-4, Si, gry, MTW, Rec. = 1.5 ft	32	15.2	5.9	18.5	75.6
35		A-4, GrSaSi, gry, MTW, Rec. = 1.4 ft	32	13.9	24.4	26.6	49.0
40		Field Note:, No Recovery	50				
45		A-4, SaGrSi, gry, MTW, Rec. = 1.2 ft, Lab Note: (HP)	77	11.7	28.3	27.5	44.2
50		A-4, SaSi, gry, MTW, Rec. = 1.9 ft	39	12.2	14.4	28.3	57.3
55		A-4, SaSi, gry, MTW, Rec. = 2.0 ft	34	10.7	15.5	28.3	56.2
60		A-1-b, SiGrSa, gry, MTW, Rec. = 0.6 ft, Lab Note: Sample was mostly broken rock with sand.	R	12.2	38.9	39.7	21.4
65		A-2-4, SiSa, gry, MTW, Rec. = 1.7 ft	53	16.0	3.7	67.5	28.8
70		Field Note:, No Recovery	68				

LOG OF BORING BRATTLEBORO IM 091-1(50).GPI VT_AOT.GOT 1/21/10



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DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
77		A-1-b, GrSa, gry, MTW, Rec. = 1.1 ft	77	11.7	40.4	43.7	15.9
80		Field Note:, Cored ahead, Boulder & Cobbles					
90		A-1-b, SiGrSa, gry, MTW, Rec. = 1.3 ft	72	13.8	21.6	57.2	21.2
90		A-4, SaSi, gry-brn, Wet, Rec. = 0.4 ft	41	29.4	1.8	25.2	73.0
90		A-2-4, SiSa, brn, Rec. = 1.2 ft		21.7	6.1	63.1	30.8
95		A-2-4, SiGrSa, gry, Wet, Rec. = 0.8 ft, Lab Note: Some broken rock was within sample.	82	15.4	33.0	42.0	25.0
100		Field Note:, NXMDC, Cobbles					
105.0		Top of Bedrock @ 105.0 ft					
105.0		Gray, Meta-Limestone, Not Competent, Hard, Unweathered, NXMDC, 105.0 ft - 107.0 ft, Rec. = 0.8 ft	1	40	0	?	6
107.0		Gray, Meta-Limestone, Not Competent, Hard, Slightly weathered, NXMDC, 107.0 ft - 110.0 ft, Rec. = 1.6 ft	2	53	0	60	6
110.0		Gray, Interbedded Meta-Limestone and Phyllite, Not Competent, Moderately hard, Moderately weathered, NXMDC, 110.0 ft - 112.0 ft, Rec. = 1.8 ft	3	90	0	55	10
112.0		Gray, Interbedded Quartz rich Meta-Limestone and Phyllite, Not Competent, Moderately hard, Moderately to severely weathered, NXMDC, 112.0 ft - 115.0 ft, Rec. = 2.1 ft	4	70	0	55	10
115.0		Gray, Interbedded Quartz rich Meta-Limestone and Phyllite, Quartz vein from 117.6 ft to 118.4 ft, Not Competent, Moderately hard to hard, Moderately to severely weathered, NXMDC, 115.0 ft - 120.0 ft, Rec. = 4.2 ft	5	84	0	70	10
120.0		Gray, Interbedded Quartz rich Meta-Limestone and Phyllite, Quartz vein from 123.7 ft to 124.0 ft, Fair Competency, Hard, Moderately to severely weathered, NXMDC, 120.0 ft - 125.0 ft, Rec. = 4.9 ft	6	98	44	50	10
125.0		Hole stopped @ 125.0 ft					12
130							14
140							14
							16
							14

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