



PROJECT NAME: BRATTLEBORO
SITE NAME: I-91
STATION: 463+13
OFFSET: 52.38
VTPG NAD83: N 127181.42 ft E 1619395.86 ft

PROJECT NUMBER: IM 091-1(50)
SITE NUMBER: BR 6 N&S
GROUND ELEVATION: 346.03 ft
GROUNDWATER DEPTH: 14.7 ft 1/12/10
PROJECT PIN NUMBER: 02A014

BORING CREW
CREW CHIEF: GARROW
DRILLER: GARROW
LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		A-1-b, GrSa, brn, Moist, Rec. = 0.8 ft		7	10.8	31.0	53.0	16.0
		A-1-a, SaGr, brn, MTW, Rec. = 0.6 ft		17	10.4	49.9	34.5	15.6
10		A-1-b, SaGr, gry, MTW, Rec. = 0.5 ft		13	10.6	52.6	32.2	15.2
		A-2-4, GrSiSa, gry, MTW, Rec. = 0.8 ft		10	13.2	20.4	47.7	31.9
20		NXDC, Cobbles, 19.5 ft - 21.0 ft, Cleaned out casing.						
		NXDC, Cobbles, 24.3 ft - 25.0 ft, Cleaned out casing.		43	13.8	25.9	29.6	44.5
		A-4, GrSaSi, gry, MTW, Rec. = 0.6 ft						
30		A-4, SaSi, gry, MTW, Rec. = 1.9 ft		34	12.5	11.0	33.3	55.7
		Field Note: NXDC, Cleaned out casing						
		A-4, SaSi, gry, MTW, Rec. = 1.6 ft		43	12.5	8.3	37.6	54.1
40		A-2-4, SiSaGr, gry, MTW, Rec. = 1.1 ft, Broken rock (Granite) was within sample.		R	11.0	41.0	31.0	28.0
		A-1-b, SiSaGr, gry, MTW, Rec. = 0.6 ft, Broken rock was within sample.		R	8.5	56.0	23.8	20.2
50		A-1-a, SaGr, gry, MTW, Rec. = 1.0 ft, Broken rock was within sample.		R	11.5	52.8	34.1	13.1
		A-2-4, SiGrSa, gry, MTW, Rec. = 1.6 ft		42	16.6	25.6	51.3	23.1
60		A-2-4, SiGrSa, gry, MTW, Rec. = 1.8 ft		68	18.2	24.8	51.7	23.5
		A-4, SaSi, gry, MTW, Rec. = 1.5 ft		49	24.2	1.2	22.9	75.9

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		A-2-4, GrSiSa, gry, MTW, Rec. = 0.7 ft, Broken rock was within sample.		R	19.1	25.9	46.5	27.6
		A-1-a, SaGr, gry, MTW, Rec. = 0.6 ft		R	8.6	54.3	33.8	11.9
80		NXDC, Cobbles, 79.4 ft - 81.0 ft, Cleaned out casing.						
		A-4, SaSi, gry, MTW, Rec. = 1.0 ft		36	29.0	0.0	32.1	67.9
		A-4, SiSa, brn, MTW, Rec. = 0.6 ft			25.6	2.0	54.1	43.9
90		A-2-4, SiSa, brn, MTW, Rec. = 1.7 ft		49	26.4	2.0	65.8	32.2
		A-2-4, SiSa, brn, MTW, Rec. = 1.8 ft		48	20.4	2.7	73.9	23.4
100		Visual Classification, Broken Rock, gry, Rec. = 0.3 ft		R				
		NXMDC, Boulder & part of Run #1, 101.0 ft - 102.3 ft						
		Gray, Phyllitic Schist, Not Competent, Soft, Moderately to severely weathered, NXMDC, 102.3 ft - 106.0 ft, Rec. = 2.7 ft		1	73	0	?	10 15 15 17
		Gray, Meta-Limestone, Hard, Unweathered, NXMDC, 106.0 ft - 107.7 ft, Rec. = 3.9 ft		2	78	0	80	10 10 10 10
		Dark gray, Phyllitic Schist, with massive Quartz vein. Fair competency, Unweathered, 107.7 ft - 111.0 ft						
		Continuation of Quartz vein. Core barrel plugged, resulting in a short run., NXMDC, 111.0 ft - 112.0 ft, Rec. = 0.5 ft		3	50	0	?	10 15
		Massive Quartz, with phyllitic schist. Low RQD may be due to mechanical breakage during core retrieval. Competent, Very hard, Unweathered, NXMDC, 112.0 ft - 115.0 ft, Rec. = 2.7 ft		4	90	0	80	20 20 20
		Massive Quartz, with phyllitic schist grading to meta-limestone and phyllite. Competent, Hard to moderately hard, Unweathered, NXMDC, 115.0 ft - 119.0 ft, Rec. = 3.8 ft		5	95	50	75	20 20 20
120		Hole stopped @ 119.0 ft						15 15 15 16
		DRILLER'S NOTES: 1. Installed Monitoring well to 22.7 ft. 2. There is 1.9 ft. of well casing above ground level.						
		GROUND WATER DEPTHS: a. 18.1 ft on 12/30/09 (drilled to 60.0' on 12/29/09) b. 17.6 ft on 01/04/10 (hole depth at 60.0') c. 16.6 ft. on 01/12/10, measured from top of well casing.						
130								

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