

VTrans Working to Get You There
 STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: B-01
 SHEET 1 of 3
 DATE STARTED: 2/23/06
 DATE COMPLETED: 3/15/06

PROJECT NAME: EAST MONTPELIER
 SITE NAME: RT-14
 STATION: 127+87
 OFFSET: -26.00
 VTSFG: N 644317.5276 ft E 1643393.8366 ft

PROJECT NUMBER: BRF 037-1(7)
 SITE NUMBER: BR-68
 GROUND ELEVATION: 663.26 ft
 GROUNDWATER DEPTH: 8.0 ft 3/16/06
 PROJECT PIN NUMBER: 98B252

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

BORING CREW
 CREW CHIEF: TALLMAN
 DRILLER: TALLMAN
 LOGGER: PORTER

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)					
								RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
5		A-4, SiSa with Wood & small roots, brn, Moist, Rec. = 0.6 ft	7	32.9	6.8	54.3	38.9					
		A-4, SaSi, brn, Moist, Rec. = 1.9 ft	6	22.9	2.7	44.9	52.4					
		A-4, Si, brn, Moist, Rec. = 1.9 ft	8	29.9	2.7	19.2	78.1					
		No Recovery, 6.0 ft - 8.0 ft	5									
10		A-2-4, SiGrSa, brn, Moist, Rec. = 1.6 ft	35	15.2	34.8	36.5	28.7					
		A-2-4, GrSiSa, brn, Moist, Rec. = 1.3 ft	35	16.1	25.9	44.0	30.1					
		A-1-b, SiGrSa, brn, Moist, Rec. = 1.1 ft	32	14.5	34.7	41.9	23.4					
15		A-2-4, GrSiSa, brn, Moist, Rec. = 1.1 ft	27	14.6	27.4	40.6	32.0					
		A-1-b, SiSaGr, gry, Moist, Rec. = 0.6 ft, Cleaned out casing.	21	8.0	48.2	31.0	20.8					
20		A-4, Si, gry, Moist, Rec. = 1.5 ft, Cleaned out casing.	31	18.0	0.9	14.2	84.9					
		A-4, Si, gry, Moist, Rec. = 1.65 ft, Cleaned out casing.	68	17.3	2.4	8.6	89.0					
		A-4, SaSi, gry, Moist, Rec. = 1.0 ft, Cleaned out casing.	R	13.2	9.3	20.1	70.6					
25		A-4, SaSi, gry, Moist, Rec. = 0.5 ft, Cleaned out casing.	R	9.7	16.2	24.7	59.1					
		A-4, SaSi, gry, Moist, Rec. = 0.65 ft, Cleaned out casing.	R	9.7	13.3	24.1	62.6					
		A-4, SaGrSi, gry, Moist, Rec. = 0.35 ft, Cleaned out casing.	R	8.7	23.4	23.4	53.2					
30		A-4, SaSi, gry, Moist, Rec. = 1.0 ft, Cleaned out casing.	R	10.0	8.8	27.3	63.9					
35		A-4, SaSi, gry, Moist, Rec. = 0.7 ft, Cleaned out casing.	R	10.6	10.7	25.0	64.3					
40		A-4, SaGrSi, gry, Moist, Rec. = 0.75 ft, Cleaned out casing.	R	9.2	30.7	28.0	41.3					
45		A-4, SaSi, gry, Moist, Rec. = 0.5 ft	R	10.0	15.3	25.0	59.7					

LOG OF BORING EAST MONTPELIER BRF 037-1(7) (S&P) VT_A07.001 5/24/06

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								RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
55		A-4, SaSi, gry, Moist, Rec. = 1.75 ft, Cleaned out casing.	75	10.1	17.4	21.8	60.8					
60												
65		A-4, SaSi, gry, Moist, Rec. = 0.5 ft, Cleaned out casing.	R	10.7	7.6	24.4	68.0					
70												
75		A-4, SaSi, gry, Moist, Rec. = 0.7 ft, Cleaned out casing.	R	10.5	10.8	25.7	63.5					
80												
85		A-4, SaSi, gry, Moist, Rec. = 1.2 ft, Cleaned out casing.	85	11.2	10.5	25.2	64.3					
90												
95		No Sample, Stone in the end of sample barrel, 95.0 ft - 97.0 ft										

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105		Field Note: Cobbles, No sample, Cleaned out casing.										
110												
115		A-4, GrSi, gry, Moist, Rec. = 1.45 ft	60	11.1	25.9	17.8	56.3					
120												
125		A-4, SaSi, gry, Moist, Rec. = 1.6 ft	70	10.7	19.4	23.3	57.3					
130												
135		Dark gray, Carbonaceous Slate, with calcite and quartz veins, Competent, Moderately soft, Unweathered, NXMDC, 133.0 ft - 138.0 ft, Rec. = 5.0 ft	1	100	74	65	9					
							9					
							15					
							13					
							9					
							12					
							13					
							9					
							10					
							9					
140		Dark gray, Carbonaceous Slate, with calcite and quartz veins, Competent, Last part of core while pulling it up the casing. Tried retrieving but couldn't, Moderately soft, Unweathered, NXMDC, 138.0 ft - 143.0 ft, Rec. = 2.7 ft	2	54	54	65	12					
							13					
							9					
							10					
							9					
145		Hole stopped @ 143.0 ft										

LOG OF BORING EAST MONTPELIER BRF 037-1(7) (S&P) VT_A07.001 5/24/06

SCALE: 3/16" = 1'-0"
 1 0 2 4 6 8



PROJECT NAME: EAST MONTPELIER
 PROJECT NUMBER: BF EWP2(1)

FILE NAME: z98b252bor_logs-ER.dgn PLOT DATE: 5/26/2016
 PROJECT LEADER: T. KNIGHT DRAWN BY: J. SOTER
 DESIGNED BY: VTRANS CHECKED BY: T. KNIGHT
 BORING LOG BOR 2 SHEET 22 OF 42