

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

BORING NUMBER: B-4  
 SHEET 1 of 1  
 DATE STARTED: 7/16/03  
 DATE COMPLETED: 7/18/03

PROJECT NAME: EAST MONTPELIER  
 SITE NAME: BR 74  
 STATION: I+312.00  
 OFFSET: -11.65

PROJECT NUMBER: BR 028-3 (36)  
 SITE NUMBER: US 2  
 GROUND ELEVATION: 202.67 m  
 GROUNDWATER DEPTH: 2.60 m 7/18/03

BORING CREW  
 CREW CHIEF: YOUNG  
 DRILLER: YOUNG  
 LOGGER: SOMERS

BORING RIG: LAG TRACK RIG  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE:  
 CHECKED BY: DLG

DEPTH (m)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 300mm				
			RUN	REC (°)	ROD (°)	Dip (deg)	Drill Rate (m/min)
No sampling was performed on this hole, 0.00 m - 34.10 m							
2							
4							
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							
26							
28							
30							
32							
34							
34		Dark gray, interbedded quartzite and slate with biotite porphyroblasts, Poor RQD, Moderately hard, Unweathered, BXDC, 34.10 m - 35.30 m, Rec. = 0.71 m	1	59	38	50	
36		Dark gray, interbedded quartzite and slate with biotite porphyroblasts, Poor RQD, Moderately hard, Unweathered, BXDC, 35.30 m - 36.50 m, Rec. = 0.70 m	2	58	0	50	
38		Dark gray, Slate, Poor RQD, Moderately hard, Unweathered, BXDC, 36.50 m - 38.00 m, Rec. = 0.63 m	3	42	0	50	
40		Hole stopped @ 38.00 m					

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

BORING NUMBER: B-6  
 SHEET 1 of 1  
 DATE STARTED: 6/04/03  
 DATE COMPLETED: 6/06/03

PROJECT NAME: EAST MONTPELIER  
 SITE NAME: BR 74  
 STATION: I+309.00  
 OFFSET: 8.00

PROJECT NUMBER: BR 028-3 (36)  
 SITE NUMBER: US 2  
 GROUND ELEVATION: 204.40 m  
 GROUNDWATER DEPTH: 3.55 m 6/09/03

BORING CREW  
 CREW CHIEF: YOUNG  
 DRILLER: YOUNG  
 LOGGER: SOMERS

BORING RIG: LAG TRACK RIG  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE: SPLIT BARREL  
 CHECKED BY: DLG

DEPTH (m)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 300mm				
			RUN	REC (°)	ROD (°)	Dip (deg)	Drill Rate (m/min)
No sampling was performed on this hole, 0.00 m - 34.10 m							
2		A-2-4, Sa, brn, Moist, Rec. = 0.33 m	3	19.8	2.7	79.8	17.5
2		A-2-4, SiSa, brn, Moist, Rec. = 0.35 m	3	27.6	0.2	64.7	35.1
4		A-4, SaSi, brn, Wet, Rec. = 0.60 m	1	36.1	0.1	40.3	59.6
4		A-4, SiSa with Wood material, brn-gry, Moist, Rec. = 0.47 m	3	42.6	0.0	52.4	47.6
6		A-4, SaSi, gry, Moist, Rec. = 0.37 m	9	22.4	19.2	33.2	47.6
6		A-4, Si, gry, Moist, Rec. = 0.50 m	10	33.9	0.0	0.5	99.5
8		A-4, Si, gry, Moist, Rec. = 0.43 m	9	34.0	0.1	1.3	98.6
8		A-4, Si, gry, Moist, Rec. = 0.44 m	12	31.2	0.0	1.8	98.2
10		A-4, Si, gry, Moist, Rec. = 0.48 m	11	35.1	0.0	1.9	98.1
10		A-4, Si, gry, Moist, Rec. = 0.59 m	9	35.5	0.0	0.9	99.1
12		A-4, Si, gry, Moist, Rec. = 0.60 m	9	35.6	0.0	1.4	98.6
12		A-4, Si, gry, Moist, Rec. = 0.60 m	9	34.5	0.0	0.8	99.2
14		A-4, Si, gry, Moist, Rec. = 0.55 m	9	27.2	0.1	13.2	86.7
16		A-4, SaSi, gry, Moist, Rec. = 0.56 m	7	25.7	0.0	27.1	72.9
18		A-4, SiSa, gry, Moist, Rec. = 0.55 m	21	24.3	0.0	55.7	44.3
18		A-2-4, SiSa, gry, Moist, Rec. = 0.55 m	29	21.7	0.3	67.3	32.4
20		A-2-4, SiSa, gry, Moist, Rec. = 0.60 m	31	21.0	0.0	78.1	21.9
22		A-2-4, Sa, gry, Moist, Rec. = 0.33 m	29	21.4	0.0	80.4	19.6
24		A-1-b, Sa, gry, Moist, Rec. = 0.33 m	21	17.7	0.4	91.8	7.8
24		A-2-4, Sa, gry, Moist, Rec. = 0.30 m	23	17.1	0.4	83.1	16.5
26		A-2-4, Sa, gry, Moist, Rec. = 0.29 m	25	18.4	0.4	87.5	12.1
28		A-1-b, Sa, gry, Moist, Rec. = 0.28 m	40	14.3	3.7	87.8	8.5
28		A-4, SaSi, gry, Moist, Rec. = 0.30 m	23.7	2.2	33.4	64.4	
28		A-1-b, GrSa, gry, Moist, Rec. = 0.41 m	29	11.0	34.8	55.6	9.6
30		A-4, SiSa, gry, Moist, Rec. = 0.43 m	62	18.8	0.1	63.1	36.8
32		Light gray, Meta-Limestone, Top 0.2m may be softer than rest of core, Massively bedded, Unable to determine dip of rock, Competent, Hard, Unweathered, NXGDC, 31.25 m - 32.75 m, Rec. = 1.49 m	1	99	85		
34		Light gray, Meta-Limestone, Top 0.2m may be softer than rest of core, Massively bedded, Unable to determine dip of rock, Competent, Hard, Unweathered, NXGDC, 32.75 m - 34.25 m, Rec. = 1.36 m	2	91	91		
36		Hole stopped @ 34.25 m					