

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

HOLE NO.: B-1  
SHEET 1 OF 2  
DATE STARTED: 5/19/03  
DATE COMPLETED: 5/22/03

PROJECT NAME: EAST MONTPELIER  
SITE NAME: BR 69  
STATION: 1+337.5  
GROUND EL.: 205.77

PROJECT NUMBER: STP-EGC-FEGC 037-2(4)S  
SITE NO.: VT 14  
OFFSET: -8.0  
G.W. DEPTH: 0.75

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

BORING RIG: LAG TRACK RIG  
BORING TYPE: WASH BORE  
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
▽									
		BXDC, 1.12m-1.5m, Cleaned casing	19						
		Not enough recovery, Appears to be SaGr							
		A-4, SaSi HP, gry, Moist Rec. = 0.12m	R	10.6	13.8	28.3	57.9		
		BXDC, 4.1m-4.5m, Cleaned casing	98	10.3	17.1	25.3	57.6		
5		A-4, SaSi HP, gry, Moist Rec. = 0.50m							
		A-4, SaSi HP, gry, Moist Rec. = 0.60m	R	10.3	13.2	24.3	62.5		
		BXDC, 7.28m-7.50m, Cleaned casing	R	9.1	24.4	26.6	49		
		A-4, GrSaSi HP, gry, Moist Rec. = 0.56m							
		A-4, SaSi HP, gry, Moist Rec. = 0.60m	80	9.9	17.8	24.9	57.3		
10		A-4, SaSi HP, gry, Moist Rec. = 0.52m	62	10.7	19.6	24.2	56.2		
		A-4, SaGrSi HP, gry, Moist Rec. = 0.51m	R	9.1	32.3	21	46.7		
		A-4, SaGrSi HP, gry, Moist Rec. = 0.54m	R	8	31.3	29.4	39.3		
15									

GEOLOGISTS REPORT:

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HOLE NO.: B-1  
SHEET 2 OF 2  
DATE STARTED: 5/19/03  
DATE COMPLETED: 5/22/03

PROJECT NAME: EAST MONTPELIER  
SITE NAME: BR 69  
STATION: 1+337.5  
GROUND EL.: 205.77

PROJECT NUMBER: STP-EGC-FEGC 037-2(4)S  
SITE NO.: VT 14  
OFFSET: -8.0  
G.W. DEPTH: 0.75

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

BORING RIG: LAG TRACK RIG  
BORING TYPE: WASH BORE  
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-4, GrSiSa HP, gry, Moist Rec. = 0.51m	R	9.2	22.7	40	37.3		
		A-2-4, SiSaGr, gry, Moist Rec. = 0.43m	90	11	36.9	39.3	21.1		
		A-2-4, SiSa, gry, Moist Rec. = 0.60m	36	14.2	18.1	54.9	27		
		A-2-4, SiSa, gry, Moist Rec. = 0.60m	28	16	12.7	58.5	28.8		
20		A-4, SiSa, gry, Moist Rec. = 0.60m	26	16.2	9.9	53.4	36.7		
		A-2-4, GrSiSa, gry, Moist Rec. = 0.56m	R	13.4	30.4	35.8	33.8		
		A-2-4, GrSiSa, gry, Moist Rec. = 0.48m	50	14	29	38.7	32.3		
25		A-2-4, GrSiSa, gry, Moist Rec. = 0.59m	32	16.5	20.9	51	28.1		
		A-4, SiSa, gry, Moist Rec. = 0.56m	37	19.4	5	50.1	44.9		
		A-2-4, Sa, gry, M, Rec. = 0.33m	37	16.7	3.6	78.8	17.6		
		A-4, SaSi, gry, M, Rec. = 0.27m							
		A-2-4, GrSiSa, gry, Moist Rec. = 0.13m	R	12.2	24.8	41.6	33.6		
30									

Hole stopped @ 30.13m

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HOLE NO.: B- 4  
SHEET 1 OF 2  
DATE STARTED: 5/14/03  
DATE COMPLETED: 5/19/03

PROJECT NAME: EAST MONTPELIER  
SITE NAME: BR 69  
STATION: 1+344.5  
GROUND EL.: 205.06

PROJECT NUMBER: STP-EGC-FEGC 037-2(4)S  
SITE NO.: VT 14  
OFFSET: 9.0  
G.W. DEPTH: 0.0 Ground Level

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

BORING RIG: LAG TRACK RIG  
BORING TYPE: WASH BORE  
SAMPLE TYPE: SPLIT BARREL

DEPTH ▽	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-4, SaSi with Trace of Organics brn-gry, Moist, Rec. = 0.42m	7	31.7	17.1	27.7	55.2		
		A-4, Si, gry, Moist Rec. = 0.36m	4	29.2	0.1	1.9	98		
		A-4, Si, gry, Moist Rec. = 0.30m	5	33.5	0.6	3.1	96.3		
		NXDC, 2.43m-2.89m, Boulder							
		A-4, SaGrSi, gry, Moist Rec. = 0.30m	6	11.4	33.1	24.1	42.8		
		A-4, SaSi, gry, Moist Rec. = 0.36m	17	11.7	18.2	27.7	54.1		
		A-4, SaGrSi, gry, Moist Rec. = 0.42m	14	12.6	23.9	23.7	52.4		
5		A-4, GrSaSi HP, gry, Moist Rec. = 0.45m	23	12.4	21.5	25	53.5		
		A-4, SaGrSi HP, Rec. = 0.24m	R	9.3	36.6	22.8	40.6		
		NXDC, 5.86m-6.0m, Cleaned out							
		A-4, SaGrSi HP, gry, Moist Rec. = 0.55m	R	10.4	28.8	25	46.2		
		NXDC, 7.23m-7.60m, Cleaned out							
		A-4, SaSi HP, gry, Moist Rec. = 0.59m	88	10.9	15.5	35.5	49		
		NXDC, 8.9m-9.1m, Cleaned out							
		A-4, SaSi HP, gry, Moist Rec. = 0.58m	77	10.2	18.7	34.5	46.8		
10		A-4, GrSaSi HP, gry, Moist Rec. = 0.48m	58	10	21.8	30.8	47.4		
		A-4, GrSaSi HP, gry, Moist Rec. = 0.60m	88	9.1	27.3	33.2	39.5		
		A-4, GrSaSi HP, gry, Moist Rec. = 0.60m	77	8.9	21.8	37.8	40.4		

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HOLE NO.: B- 4  
SHEET 2 OF 2  
DATE STARTED: 5/14/03  
DATE COMPLETED: 5/19/03

PROJECT NAME: EAST MONTPELIER  
SITE NAME: BR 69  
STATION: 1+344.5  
GROUND EL.: 205.06

PROJECT NUMBER: STP-EGC-FEGC 037-2(4)S  
SITE NO.: VT 14  
OFFSET: 9.0  
G.W. DEPTH: 0.0 Ground Level

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

BORING RIG: LAG TRACK RIG  
BORING TYPE: WASH BORE  
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-4, GrSaSi, gry, Moist Rec. = 0.52m	R	9.7	21.1	30.6	48.3		
		A-4, GrSaSi, gry, Moist Rec. = 0.25m	R	9.3	21	26.4	52.6		
		BXDC, 17.8m-18.5m, Boulders, Cleaned out casing & cored ahead.							
20		NXDC, 19.2m-20.1m, Boulders, Cleaned out casing & cored ahead.							
		NXDC, 20.6m-21.36m, Boulders, Cleaned out casing & cored ahead, Encountered various seams							
Hole stopped @ 21.36m									

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