

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

HOLE NO.: B-1  
SHEET 1 OF 1  
DATE STARTED: 5/12/03  
DATE COMPLETED: 5/14/03

PROJECT NAME: MIDDLESEX  
SITE NAME: BR 78  
STATION: 2000+054  
GROUND EL.: 207.625

PROJECT NUMBER: BRF 0241(32)SC  
SITE NO.: VT 12  
OFFSET: -5.0  
G.W. DEPTH: 9.10 05/14/03

BORING CREW  
CREW CHIEF: TALLMAN  
DRILLER: TALLMAN  
LOGGER: RUSSELL  
ADDITIONAL CREW:

BORING RIG: SMALL SKID RIG  
BORING TYPE: WASH BORE  
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS <i>(Description)</i>	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-1-b, SiGrSa, gry, Moist Rec. = 0.15m	4	15.8	33.9	45	21.1		
		A-4, GrSiSa, gry, Moist Rec. = 0.23m	11	12.3	25.4	38.6	36		
5		No Rec.	43						
		A-1-b, GrSa, gry, Moist Rec. = 0.30m	21	6.8	39.3	50.2	10.5		
		A-1-b, GrSa, gry, Moist Rec. = 0.30m	17	14.1	37.7	43.8	18.5		
10		A-2-4, GrSiSa with Trace of Organics, gry, Moist, Rec. = 0.35m Sample tested 4.9% Organic	12	70.9	27.3	38.4	34.3		
		A-4, Si, gry, Moist Rec. = 0.50m	6	31.5	2.2	5.1	92.7		
		A-4, SaSi, orange-brown, Moist Rec. = 0.23m	R Top	31.2 of bedrock	1.4	21.5 @ 12.50m	77.1		
		Run#1: BXMDC, 12.50m-14.02m Rec. = 1.50m See Geologist's Report.	RUN	REC%	RQD%	Dip'			
		Run#2: BXGDC, 14.02m-14.93m Rec. = 0.45m See Geologist's Report.	1	99	86	85-90			
		Run#3: BXMDC, 14.93m-15.53m No Rec. Could not retrieve core See Geologist's Report.	2	50	0	85-90			
15		Run#3: BXMDC, 14.93m-15.53m No Rec. Could not retrieve core See Geologist's Report.	3	0	0	-			
Hole stopped @ 15.53m									

**GEOLOGISTS REPORT:**

Run#1: Light gray phyllite, Moderately soft, Slightly weathered to unweathered, Competent.  
Run#2: Quartzite with metavolcanic and phyllitic zones, Hard, Slightly to moderately weathered, Competent.  
Run#3: No recovery.

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HOLE NO.: B-2  
SHEET 1 OF 1  
DATE STARTED: 5/19/03  
DATE COMPLETED: 5/20/03

PROJECT NAME: MIDDLESEX  
SITE NAME: BR 78  
STATION: 2000+053  
GROUND EL.: 207.662

PROJECT NUMBER: BRF 0241(32)SC  
SITE NO.: VT 12  
OFFSET: 5.0  
G.W. DEPTH: 10.36 05/20/03

BORING CREW  
CREW CHIEF: TALLMAN  
DRILLER: TALLMAN  
LOGGER: RUSSELL  
ADDITIONAL CREW:

BORING RIG: SMALL SKID RIG  
BORING TYPE: WASH BORE  
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS <i>(Description)</i>	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-1-b, SaGr, brn, Moist Rec. = 0.15m	9	13.3	41.2	39.3	19.5		
		A-2-4, GrSiSa, brn, Moist Rec. = 0.23m	11	15	27.7	41.7	30.6		
5		A-4, SaSi, brn, Moist Rec. = 0.15m	27	11.5	18.1	40.7	41.2		
		A-2-4, SiSa, brn, Moist Rec. = 0.22m	16	18.9	14	65.8	20.2		
		A-2-4, SiSa, brn, Moist Rec. = 0.28m	18	17.9	6.6	61.8	31.6		
		A-1-b, SiSaGr with Wood, brn, Moist, Rec. = 0.24m	77	15.9	41.6	33.8	24.6		
10		Wood, 10.36m-10.50m							
		BXMDC, 10.50m-10.97m, Boulder							
		Top of bedrock @ 11.27m							
		Run#1: BXMDC, 11.27m-11.87m Rec. = 0.60m See Geologist's Report.	RUN	REC%	RQD%	Dip°			
			1	100	0	70			
		Run#2: BXMDC, 11.87m-13.39m Rec. = 1.52m See Geologist's Report.	2	100	100	70			
		Run#3: BXMDC, 13.39m-14.29m Rec. = 0.90m See Geologist's Report.	3	100	100	70			
		Hole stopped @ 14.29m							
15									

**GEOLOGISTS REPORT:**

- Run#1: Greenish gray phyllite with quartz veins, Moderately soft to hard, Unweathered, Competent.
- Run#2: Greenish gray phyllite with quartz veins, Moderately soft, Unweathered, Competent.
- Run#3: Greenish gray phyllite with quartz veins, Moderately soft, Unweathered, Competent.

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HOLE NO.: B-3  
SHEET 1 OF 1  
DATE STARTED: 5/22/03  
DATE COMPLETED: 5/23/03

PROJECT NAME: MIDDLESEX  
SITE NAME: BR 78  
STATION: 2000+098  
GROUND EL.: 207.939

PROJECT NUMBER: BRF 0241(32)SC  
SITE NO.: VT 12  
OFFSET: -5.0  
G.W. DEPTH: 10.35 05/23/03

BORING CREW  
CREW CHIEF: TALLMAN  
DRILLER: TALLMAN  
LOGGER: RUSSELL  
ADDITIONAL CREW:

BORING RIG: SMALL SKID 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-2-4, SiSa, gry, Moist Rec. = 0.30m	7	15.1	10	64.5	25.5		
		A-2-4, SiSa, gry, Moist Rec. = 0.10m	9	22.1	9.1	68	22.9		
5		A-2-4, SiSa, gry, Moist Rec. = 0.15m	15	22.6	3.4	73.6	23		
		A-2-4, Sa, gry, Moist Rec. = 0.20m	14	14.7	19.3	69.6	11.1		
		BXDC, 6.85m-6.90m, Steel							
		A-2-4, GrSa, brn-gry, Moist Rec. = 0.30m	8	13.1	21	63	16		
		A-2-4, SiSa, gry, Moist Rec. = 0.35m	31	20.5	17.9	57.1	25		
10									
		A-1-a, SaGr, gry, Moist Rec. = 0.40m	21 Broken	10.3	61.8	33	5.2		
		Run#1; BXMDC, 11.27m-12.79m Rec. = 1.40m See Geologist's Report.	RUN	REC%	RQD%	Dip'			
			1	92	66	80			
		Run#2; BXMDC, 12.79m-14.31m Rec. = 1.44m See Geologist's Report.	2	95	85	80			
		Hole stopped @ 14.31m							
15									

**GEOLOGISTS REPORT:**

Run#1: Light gray phyllite, Moderately soft, Slight weathering along joint surfaces, Competent.

Run#2: Light gray phyllite, Moderately soft, Slight weathering along joint surfaces, Competent.

