

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




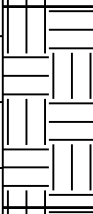

HOLE NO.: B-02
SHEET 1 OF 1
DATE STARTED: 5/31/01
DATE COMPLETED: 5/31/01

PROJECT NAME: ROXBURY
SITE NAME: BR 15
STATION: I+046.00
GROUND EL.: 267.645

PROJECT NUMBER: BRS 0187(5)S
SITE NO.: RT 12A
OFFSET: 6.00
G.W. DEPTH:

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

BORING RIG: LARGE 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-4, SiSa, brn, MTW, Rec. = 0.33m	2	39.8	14	43.3	42.7		
		A-1-a, Gr, brn-gry, Moist, Rec. = 0.30m	12	13.1	70	16.3	13.7		
				Top of bedrock @ 4.26 m					
5		Run#1: BXDC, 4.26m-5.78m, Rec. = 0.68m, See Geologist's Report.	RUN	REC%	RQD%	Dip°			
			1	45	0	85			
		Run#2: BXDC, 5.78m-7.30m, Rec. = 1.33m, See Geologist's Report.	2	88	75	85			
		Run#3: BXDC, 7.3m-7.90m, Rec. = 0.60m, See Geologist's Report.	3	100	100	85			
			Hole stopped @ 7.90m						
10									

GEOLOGISTS REPORT:

Run #1: Gray-green quartz sericite chlorite schist, Moderately hard, Unweathered, Poor RQD may be result of difficulty drilling.
Run #2: Same as Run #1.
Run #3: Same as Run #1.

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HOLE NO.: B-06
SHEET 1 OF 1
DATE STARTED: 5/24/01
DATE COMPLETED: 5/24/01

PROJECT NAME: ROXBURY
SITE NAME: BR 15
STATION: I+074.00
GROUND EL.: 267.160

PROJECT NUMBER: BRS 0187(5)S
SITE NO.: RT 12A
OFFSET: 8.00
G.W. DEPTH:

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

BORING RIG: LARGE 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
				Top of bedrock @ 0.91 m					
		Run#1: BXDC, 0.91m-2.43m, Rec. = 0.94m, See Geologist's Report.	RUN	REC%	RQD%	Dip°			
			1	62	62	85			
		Run#2: BXDC, 2.43m-3.34m, Rec. = 0.58m, See Geologist's Report.	2	64	64	85			
		Run#3: BXDC, 3.34m-4.86m, Rec. = 1.05m, See Geologist's Report.	3	69	69	85			
5		Hole stopped @ 4.86m							
		DRILLER'S NOTES: Soft rock plugged barrel on Run#2.							
10									

GEOLOGISTS REPORT:

Run #1: Green quartz chlorite sericite schist, Moderately hard, Unweathered, Fair to poor RQD due to mechanical breakage.

Run #2: Same as Run #1.

Run #3: Same as Run #1.

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
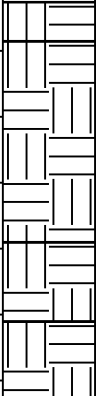
HOLE NO.: B-08
SHEET 1 OF 1
DATE STARTED: 6/5/01
DATE COMPLETED: 6/6/01

PROJECT NAME: ROXBURY
SITE NAME: BR 15
STATION: I+084.00
GROUND EL.: 264.620

PROJECT NUMBER: BRS 0187(5)S
SITE NO.: RT 12A
OFFSET: -4.00
G.W. DEPTH:

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
		1.5m-2.0m, Boulders, No Sample							
				Top of bedrock @ 2.13 m					
		Run#1: BXMDC, 2.13m-2.43m, Rec. = 0.30m, See Geologist's Report.	RUN	REC%	RQD%	Dip°			
		Run#2: BXMDC, 2.43m-3.95m, Rec. = 1.45m, See Geologist's Report.	1	100	33	85			
			2	95	95	85			
		Run#3: BXMDC, 3.95m-4.55m, Rec. = 0.60m, See Geologist's Report.	3	100	100	85			
5		Run#4: BXMDC, 4.55m-5.15m, Rec. = 0.58m, See Geologist's Report.	4	97	97	85			
			Hole stopped @ 5.15m						
10									

GEOLOGISTS REPORT:

- Run #1: Greenstone (massive), Hard, Unweathered, Poor competency.
- Run #2: Same as Run #1, Competent.
- Run #3: Same as Run #1, Competent.
- Run #4: Same as Run #1, Competent.

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

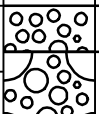

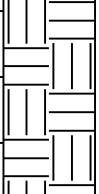
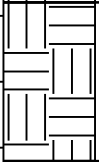
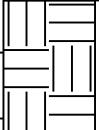

HOLE NO.: B-10
SHEET 1 OF 1
DATE STARTED: 5/23/01
DATE COMPLETED: 5/24/01

PROJECT NAME: ROXBURY
SITE NAME: BR 15
STATION: I+105.00
GROUND EL.: 267.188

PROJECT NUMBER: BRS 0187(5)S
SITE NO.: RT 12A
OFFSET: -1.30
G.W. DEPTH:

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

BORING RIG: LARGE 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	
		Visual Class: Broken Rock, Rec. = 0.29m	20	9.6						
		Visual Class: Broken Rock, Rec. = 0.10m	23	9.8						
5		Visual Class: Broken Rock, Rec. = 0.19m 4.85m-5.35, BXDC, Boulder, Rec. = 0.44m	R	10.1						
		Visual Class: 6.00m-6.07m, Broken Rock	R							
		Run#1: BXDC, 6.40m-7.90m, Rec. = 0.36m, See Geologist's Report.	RUN	REC%	RQD%	Dip°				
		Run#2: BXDC, 7.90m-9.10m, Rec. = 0.53m, Barrel plugged. See Geologist's Report.	1	24	0	85				
		Run#3: BXDC, 9.10m-10.16m, Rec. = 1.05m, Barrel plugged. See Geologist's Report.	2	44	44	85				
10		Run#4: BXDC, 10.16m-10.61m, Rec. = 0.26m, See Geologist's Report.	3	99	99	85				
			4	58	25	85				
			Hole stopped @ 10.61m							

GEOLOGISTS REPORT:

- Run #1: Gray quartz sericite chlorite schist, Moderately hard, Unweathered, Poor RQD.
- Run #2: Same as Run #1, Rock is competent.
- Run #3: Same as Run #1, Competent.
- Run #4: Same as Run #1, Poor RQD and recovery due to mechanical breakage.

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HOLE NO.: B-12
SHEET 1 OF 1
DATE STARTED: 5/21/01
DATE COMPLETED: 5/22/01

PROJECT NAME: ROXBURY
SITE NAME: BR 15
STATION: I+135.00
GROUND EL.: 267.011

PROJECT NUMBER: BRS 0187(5)S
SITE NO.: RT 12A
OFFSET: -4.00
G.W. DEPTH:

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
		Visual Class: A-1-a, Gr with Asphalt in sample, brn, Moist, Rec. = 0.12m	13	12					
		Visual Class: Stones & Wood, Rec. = 0.05m	20						
		A-1-a, SaGr, Lt/gry, Moist, Rec. = 0.43m	14	11.6	57.1	32	10.9		
		A-1-b, Sa, brn-gry, Moist, Rec. = 0.33m	9	19.6	19.3	72.7	8		
5		A-2-4, SiSa, gry, MTW, Rec. = 0.19m	R	22.3	9.2	61.1	29.7		
		Run#1: BXMDC, 5.28m-6.80m, Rec. = 1.22m, See Geologist's Report.	RUN	REC%	RQD%	Dip°			
		Run#2: BXMDC, 6.80m-8.32m, Rec. = 1.52m, See Geologist's Report.	1	80	65	85			
			2	100	100	85			
		Hole stopped @ 8.32m							
10									

GEOLOGISTS REPORT:

Run #1: Gray quartz sericite chlorite schist, Moderately hard, Unweathered, Competent.

Run #2: Same as Run #1, Competent.