

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

HOLE NO.: B-1
SHEET 1 OF 1
DATE STARTED: 5/20/93
DATE COMPLETED: 5/20/93

PROJECT NAME: POWNAL
SITE NAME: BR-1
STATION: 0+778.20
GROUND EL.: 178.39

PROJECT NUMBER: RS 0107 (8)
SITE NO.: RT-346
OFFSET: -15.24
G.W. DEPTH:

BORING CREW
CREW CHIEF: WILLIS
DRILLER: NELSON
LOGGER:
ADDITIONAL CREW:

BORING RIG: TRUCK
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, brn, Moist, Rec. = 0.12m	11	17.3					
		A-1-a, SaGr, brn, Moist, Rec. = 0.09m	56	38.4					
		No Rec.	16						
		No Rec.	7						
	A_7_6	A-7-6, Clay, brn, Wet, Rec. = 0.06m	6	27.7				51	22
		A-4, Si, brn, Wet, Rec. = 0.12m	8	34.7				34	5
		A-4, Si, brn, Wet, Rec. = 0.15m	4	42.6				33	6
		A-4, Si, gry, Wet, Rec. = 0.30m	5	26.7					
5		A-4, Si, gry, Wet, Rec. = 0.30m	3	39.3				32	3
		A-4, Si, gry, Wet, Rec. = 0.30m	8	30.5				21	0
		A-4, Si, gry, Wet, Rec. = 0.09m	7	37.8					
		A-6, SiCl, gry, Wet, Rec. = 0.15m	6	42.7				40	14
10									
		No Rec.	R	Top of bedrock @ 10.97 m					
		Run #1: BXMDC, 10.97m-12.50m, Rec. = 1.37m, See Geologist's Report.	RUN	REC%	RQD%				
			1	90	7				
		Run #2: BXMDC, 12.50m-14.02m, Rec. = 1.52m, See Geologist's Report.	2	100	16				
			Hole stopped @ 14.02m in bedrock						

GEOLOGISTS REPORT:

Core consists of black, carbonaceous phyllite with numerous quartz lenses.
The rock is moderately soft, unweathered and competent.

Low RQD due to numerous mechanical breaks along foliation planes.
Does not reflect core competency.

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HOLE NO.: B-3
SHEET 1 OF 1
DATE STARTED: 5/19/93
DATE COMPLETED: 5/19/93

PROJECT NAME: POWNAL
SITE NAME: BR-1
STATION: 0+770.50
GROUND EL.: 179.43

PROJECT NUMBER: RS 0107 (8)
SITE NO.: RT-346
OFFSET: 8.23
G.W. DEPTH:

BORING CREW
CREW CHIEF: WILLIS
DRILLER: NELSON
LOGGER:
ADDITIONAL CREW:

BORING RIG: TRUCK
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, brn, Moist, Rec. = 0.03m	7	19.3					
		A-1-a, SaGr, brn, Moist, Rec. = 0.06m	22	9.1					
		No Rec.	44						
		No Rec.	6						
		A-6, SiCl, brn, Wet, Rec. = 0.52m	3	43.4				39	12
		A-4, Si, brn, Wet, Rec. = 0.30m	5	38.6					
		A-4, Si, brn, Wet, Rec. = 0.40m	5	35.7				32	5
		A-6, SiCl, brn, Wet, Rec. = 0.24m	4	38.2				36	12
5									
		A-4, Si, gry, Wet, Rec. = 0.60m	4	40.3				29	5
		A-4, Si, gry, Wet, Rec. = 0.30m	6	32.5				20	0
		A-4, Si, gry, Wet, Rec. = 0.20m	16	26.6					
10		Hole stopped @ 9.75m NLTD							

GEOLOGISTS REPORT: