

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

HOLE NO.: B-1  
SHEET 1 OF 1  
DATE STARTED: 3/28/02  
DATE COMPLETED: 3/28/02

PROJECT NAME: CHITTENDEN  
SITE NAME: BR 20  
STATION: I+217.00  
GROUND EL.: 500.15

PROJECT NUMBER: TH3 9617  
SITE NO.: TH 23  
OFFSET: -5.20  
G.W. DEPTH: NA

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 <i>(Description)</i>	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		Boulder, No sample, Advanced casing							
		BXDC, 1.75m-2.0m, Cleaned casing	11						
		No sample, Stone in end of sampler, Appears to be SiSa, Advanced casing.							
		A-2-4, SiSaGr, brn, Moist, Rec. = 0.13m, Casing broke off around 3.50m							
5		Hole stopped @ 3.50m							
		DRILLER'S NOTES: Casing broke off at around 3.50m.							
10									

GEOLOGISTS REPORT:

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HOLE NO.: B-1A  
SHEET 1 OF 1  
DATE STARTED: 3/29/02  
DATE COMPLETED: 4/1/02

PROJECT NAME: CHITTENDEN  
SITE NAME: BR 20  
STATION: I+216.65  
GROUND EL.: 500.16

PROJECT NUMBER: TH3 9617  
SITE NO.: TH 23  
OFFSET: -5.50  
G.W. DEPTH: NA

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-1-a, SaGr, brn, Moist, Rec. = 0.26m	37	10.4	57.9	30.9	11.2		
		BXDC, 1.77m-2.00m, Cleaned casing 2.0m-2.6m, Not enough recovery for a sample, Appears to be SaGr	9						
		A-2-4, SiGrSa, brn, Moist, Rec. = 0.40m	R	10.4	33.1	37.1	29.8		
		BXDC, 3.42m-4.10m, Cleaned out casing.							
		A-2-4, SiGrSa, brn, Moist, Rec. = 0.30m	R	10.7	31	39.1	29.9		
5		BXDC, 4.65m-5.00m, Cleaned casing							
		A-2-4, SiGrSa, brn, Moist, Rec. = 0.30m	R	12.2	32	42	26		
		A-1-b, SiSaGr, brn, Moist, Rec. = 0.20m	R	11.3	38.8	36.6	24.6		
		BXDC, 7.75m-8.00m, Cleaned casing							
		A-1-b, SiSaGr, brn, Moist, Rec. = 0.15m	R	11	40.9	36.8	22.3		
		BXDC, 8.94m-9.14m, Cleaned casing	R						
10		Not enough recovery for a sample, Appears to be moist brown SiSaGr.	Hole stopped @ 9.22m						

GEOLOGISTS REPORT:

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SUBSURFACE INFORMATION**

HOLE NO.: B-6  
SHEET 1 OF 1  
DATE STARTED: 4/3/02  
DATE COMPLETED: 4/3/02

PROJECT NAME: CHITTENDEN  
SITE NAME: BR 20  
STATION: I+233.00  
GROUND EL.: 501.09

PROJECT NUMBER: TH3 9617  
SITE NO.: TH 23  
OFFSET: 4.50  
G.W. DEPTH: NA

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 <i>(Description)</i>	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		0.70m-1.45m, BXDC, Cleaned out casing, Boulder at 1.00m.							
		BXDC, 1.65m-2.0m, Cleaned casing							
		A-1-b, SaGr, brn, Moist, Rec. = 0.29m	R	10.6	47	34.4	18.6		
		BXDC, 2.75m-3.0m, Cleaned casing							
		A-1-b, SiSaGr, brn, Moist, Rec. = 0.32m	R	12.5	43.4	31.2	25.4		
		BXDC, 3.85m-4.0m, Cleaned casing							
		A-1-b, SiSaGr, brn-gry, Moist, Rec. = 0.10m	R	10.4	40.4	36.3	23.3		
5		BXDC, 4.87m-5.78m, Cleaned out casing, Boulder at 5.00m							
		BXDC, 6.35m-6.50m, Cleaned casing							
		A-1-b, SiSaGr, brn-gry, Moist, Rec. = 0.19m	R	10.5	39.9	36.8	23.3		
		BXDC, 7.55m-8.40m, Cleaned out casing, Boulder at 8.00m.							
		BXDC, 8.54m-9.14m, Cleaned out casing							
		A-2-4, SiSa, brn-gry, Moist, Rec. = 0.11m	R	14.6	16.3	52	31.7		
10			Hole stopped @ 9.25m						

GEOLOGISTS REPORT: