

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

HOLE NO.: B-02  
SHEET 1 OF 1  
DATE STARTED: 12/10/02  
DATE COMPLETED: 12/12/02

PROJECT NAME: BURKE  
SITE NAME: BR 16  
STATION: 2+145.50  
GROUND EL.: 292.08

PROJECT NUMBER: BRZ 1447(15)  
SITE NO.: TH 7  
OFFSET: -6.00  
G.W. DEPTH: 1.20 12/12/02

BORING CREW  
CREW CHIEF: YOUNG  
DRILLER: YOUNG  
LOGGER: RUSSELL  
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
		BXDC, 1.20m-1.70m, Boulder, Cleaned out casing.							
		BXDC, 2.74m-3.00m, Cleaned out casing.	R	5.7	62	20.3	17.7		
		A-1-b, SaGr with Broken Rock gry, Moist, Rec. = 0.08m							
		BXDC, 4.26m-4.70m, Boulder, Cleaned casing.							
5		BXDC, 5.75m-6.00m, Cleaned out casing.	R	9.1	14.3	48.5	37.2		
		A-4, SiSa, gry, Moist, Rec. = 0.07m							
		A-4, SaSi, gry, Moist, Rec. = 0.20m	R	12.8	13.1	42.9	44		
		BXDC, 8.75m-9.00m, Cleaned out casing.	R	10.5	16.3	41.3	42.4		
		A-4, SaSi, gry, Moist, Rec. = 0.08m							
10		A-1-b, SiGrSa, gry, Moist, Rec. = 0.08m	R	8.6	38.5	40.9	20.6		
		BXDC, 11.88m-12.50m, Boulder, Cleaned casing.							
		Hole stopped @ 12.50m							
		DRILLER'S NOTES: 1. Moved hole 1.5m from brook.							

GEOLOGISTS REPORT:

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HOLE NO.: B-08  
SHEET 1 OF 1  
DATE STARTED: 12/2/02  
DATE COMPLETED: 12/6/02

PROJECT NAME: BURKE  
SITE NAME: BR 16  
STATION: 2+153.00  
GROUND EL.: 291.99

PROJECT NUMBER: BRZ 1447(15)  
SITE NO.: TH 7  
OFFSET: 6.00  
G.W. DEPTH: 1.49 12/06/02

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, 1.13m-1.50m, Cleaned casing							
		A-1-b, SiSaGr with some weathered rock, brn-gry, Moist, Rec. = 0.32m	38	10.3	41	37.2	21.8		
		BXDC, 2.65m-3.0m, Cleaned casing							
		A-2-4, SaSiGr, gry, Moist, Rec. = 0.10m	R	9.1	42.1	28.9	29		
5		A-2-4, GrSiSa, gry, Moist, Rec. = 0.09m	R	8.5	30.9	36.4	32.7		
		BXDC, 5.00m-6.30m, Boulders, Cleaned casing.							
		BXDC, 7.31m-7.50m, Cleaned casing							
		A-4, GrSiSa, gry, Moist, Rec. = 0.10m	R	10.1	21.7	42.6	35.7		
		BXDC, 8.83m-9.00m, Cleaned casing							
		A-4, SiSa, gry, Moist, Rec. = 0.28m	R	17	13.1	44.9	42		
10		BXDC, 10.2m-10.5m, Cleaned casing							
		A-1-b, SiGrSa, gry, Moist, Rec. = 0.15m	R	10.2	34.4	41.3	24.3		
		BXDC, 11.75m-12.m, Cleaned casing							
		A-1-b, SiSaGr, gry, Moist, Rec. = 0.13m	R	11.5	41.9	37.7	20.4		
Hole stopped @ 12.25m									

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HOLE NO.: B-14  
SHEET 1 OF 1  
DATE STARTED: 11/18/02  
DATE COMPLETED: 11/19/02

PROJECT NAME: BURKE  
SITE NAME: BR 17  
STATION: 2+329.00  
GROUND EL.: 299.79

PROJECT NUMBER: BRZ 1447(15)  
SITE NO.: TH 7  
OFFSET: 4.00  
G.W. DEPTH: 2.13 11/19/02

BORING CREW  
CREW CHIEF: YOUNG  
DRILLER: YOUNG  
LOGGER: RUSSELL  
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
	CONCRE	BXDC, 1.06m-1.67m, Into Concrete, Cleaned out casing.							
▽									
		BXDC, 2.05m-3.00m, Cleaned out casing.							
		A-2-4, GrSiSa HP, gry, Moist, Rec. = 0.25m	R	10.9	28.5	38.5	33		
5		BXDC, 4.30m-4.50m, Cleaned casing							
		A-2-4, GrSiSa, gry, Moist, Rec. = 0.20m	R	10.7	27.1	40.7	32.2		
		A-4, GrSaSi, brn-gry, Moist Rec. = 0.54m	55	19.5	23.1	26.6	50.3		
		A-4, GrSaSi, gry, Moist, Rec. = 0.55m	83	16.5	27.7	28.7	43.6		
		A-4, GrSaSi, gry, Moist, Rec. = 0.40m	81	18.5	23.1	37.7	39.2		
10									
		A-2-4, SiGrSa, gry-brn, Moist, Rec. = 0.08m	R	14.5	30.9	38.9	30.2		
			Hole stopped @ 10.60m						

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HOLE NO.: B-15  
SHEET 1 OF 1  
DATE STARTED: 11/15/02  
DATE COMPLETED: 11/18/02

PROJECT NAME: BURKE  
SITE NAME: BR 17  
STATION: 2+330.50  
GROUND EL.: 299.48

PROJECT NUMBER: BRZ 1447(15)  
SITE NO.: TH 7  
OFFSET: 6.00  
G.W. DEPTH: No water found, Hole caved in.

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-b, GrSa, brn, Moist, Rec. = 0.18m	7	13.4	40.4	46	13.6		
		A-1-b, GrSa, brn, Moist, Rec. = 0.17m	17	13.8	35.1	47.4	17.5		
		A-1-b, GrSa with Concrete, brn, Moist, Rec. = 0.38m	39	20.1	28.1	60.5	11.4		
		BXDC, 2.40m-2.88m, Concrete & Boulders							
		A-2-4, SiGrSa, gry, Moist, Rec. = 0.15m	R	10	35	38.3	26.7		
		A-1-b, SiSaGr, gry, Moist, Rec. = 0.13m	R	8.2	46.2	31.6	22.2		
		A-2-4, SiGrSa, gry, Moist, Rec. = 0.22m	R	11.3	25.1	50.1	24.8		
5		A-4, SiSa, gry, Moist, Rec. = 0.15m	R	10.6	10.7	48.5	40.8		
		BXDC, 5.2m-5.4m, Cleaned out	R	11.2	15	46.7	38.3		
		A-4, SiSa, gry, Moist, Rec. = 0.35m	R	14.2	33	21.6	45.4		
		A-4, SaGrSi, brn, Moist, Rec. = 0.50m							
		Visual Class: Broken Weathered Rock, gry, Moist, Rec. = 0.12m	R	11.9					
		BXDC, 8.07m-9.29m, Various Boulders							
10	Hole stopped @ 9.29m								

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HOLE NO.: B-16  
SHEET 1 OF 1  
DATE STARTED: 11/21/02  
DATE COMPLETED: 11/22/02

PROJECT NAME: BURKE  
SITE NAME: BR 17  
STATION: 2+329.50  
GROUND EL.: 299.17

PROJECT NUMBER: BRZ 1447(15)  
SITE NO.: TH 7  
OFFSET: -6.00  
G.W. DEPTH: 1.22 11/22/02

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. = 0.38m	64	12.1	55.6	34.4	10		
		BXDC, 2.85m-3.00m, Cleaned casing							
		A-1-b, GrSa, brn-gry, Moist, Rec. = 0.47m	97	13.9	32.2	48.5	19.3		
		BXDC, 4.47m-4.50m, Cleaned out	R	12.5	49.1	32.7	18.2		
5		A-1-b, SaGr, brn-gry, Moist, Rec. = 0.23m							
		BXDC, 5.78m-6.00m, Cleaned casing							
		A-1-b, SaGr, brn, Moist, Rec. = 0.31m	R	8.8	47.4	32.8	19.8		
		BXDC, 7.35m-7.50m, Cleaned casing							
		A-4, GrSaSi, brn, Moist, Rec. = 0.18m	R	16.3	24.6	35.9	39.5		
		A-4, GrSaSi, brn, Moist, Rec. = 0.20m	R	15.4	22	25.1	52.9		
10		Visual Class: Broken Weathered Rock, brn, Moist Rec. = 0.19m	R	16.2					
			Hole stopped @ 10.69m						

GEOLOGISTS REPORT: