

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








HOLE NO.: B-1  
SHEET 1 OF 1  
DATE STARTED: 7/31/00  
DATE COMPLETED: 8/1/00

PROJECT NAME: SUNDERLAND  
SITE NAME: BR 14  
STATION: 3+625.00  
GROUND EL.: 283.441

PROJECT NUMBER: BRF 0114 (2)  
SITE NO.: TH 3  
OFFSET: -8.00  
G.W. DEPTH: 1.7

BORING CREW  
CREW CHIEF: YOUNG  
DRILLER: YOUNG  
LOGGER: CHABOT  
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
▽		No Sample, Boulders							
		No Sample, Boulders							
		BXDC, 3.95m-4.25m, Boulders							
5		No Sample, Boulders	R						
		BXDC, 5.70m-6.00m, Boulders							
		A-1-b, SaGr HP, brn-yel, Dry, Rec. = 0.15m	R	8.4	46.5	33.9	19.6		
		A-1-a, Gr HP, brn, Dry, Rec. = 0.08m	R	3.8	70.7	19.6	9.7		
			R						
		Hole stopped @ 9.00m							
10		<p>Drillers Notes:</p> <p>No water return through-out drilling operation.</p> <p>4.25m - Changed casing bit.</p> <p>7.22m - Changed casing bit.</p>							

GEOLOGISTS REPORT:

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HOLE NO.: B-3  
SHEET 1 OF 1  
DATE STARTED: 7/27/00  
DATE COMPLETED: 7/28/00

PROJECT NAME: SUNDERLAND  
SITE NAME: BR 14  
STATION: 3+624.00  
GROUND EL.: 284.313

PROJECT NUMBER: BRF 0114 (2)  
SITE NO.: TH 3  
OFFSET: 6.00  
G.W. DEPTH:

BORING CREW  
CREW CHIEF: YOUNG  
DRILLER: YOUNG  
LOGGER: CHABOT  
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
		No Sample, Boulders							
		BXDC, 3.0m-3.6m, No Sample, Boulders							
5		BXDC, 4.5m-5.4m, No Sample, Boulders							
		BXDC, 6.0m-6.6m, No Sample, Boulders	R						
		BXDC, 7.5m-7.8m, No Sample, Boulders							
		BXDC, 8.1m-9.5m, No Sample, Boulders							
10		Hole stopped @ 9.50m							
		Drillers Notes:  6.80m - Changed casing bit.  No water return through-out drilling operation.							

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HOLE NO.: B-6  
SHEET 1 OF 2  
DATE STARTED: 6/20/00  
DATE COMPLETED: 6/22/00

PROJECT NAME: SUNDERLAND  
SITE NAME: BR 14  
STATION: 3+656.00  
GROUND EL.: 284.861

PROJECT NUMBER: BRF 014 (2)  
SITE NO.: TH 3  
OFFSET: 5.50  
G.W. DEPTH: 3.1

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

BORING RIG: TRUCK  
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, 1.5m-4.5m, Boulders							
		No Rec.	R						
5		BXDC, 5.18m-7.65m, Boulders							
		A-4, SiSa, brn, Moist, Rec. = 0.17m	64	20.4	17.4	45	37.6		
		BXDC, 9.00m-9.78m, Boulders							
10		A-2-4, GrSiSa, yel-brn, Moist, Rec. = 0.11m	R	15	21.7	49.3	29		
		BXDC, 10.20m-11.04m, Boulders							
		A-4, SiSa, yel, MTW, Rec. = 0.30m	R	22.8	11.5	49.9	38.6		
		BXDC, 11.70m-12.58m, Boulders, No sample							
		A-4, SaGrSi, yel, Moist, Rec. = 0.09m	R	15.1	33.8	24.9	41.3		

GEOLOGISTS REPORT:

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HOLE NO.: B-6  
SHEET 2 OF 2  
DATE STARTED: 6/20/00  
DATE COMPLETED: 6/22/00

PROJECT NAME: SUNDERLAND  
SITE NAME: BR 14  
STATION: 3+656.00  
GROUND EL.: 284.861

PROJECT NUMBER: BRF 014 (2)  
SITE NO.: TH 3  
OFFSET: 5.50  
G.W. DEPTH: 3.1

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

BORING RIG: TRUCK  
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
		No Sample, Boulders, (stone in end of sampler)	R						
		No Sample, Boulders, (stone in end of sampler)	R						
		No Rec.	R						
20		BXDC, 19.50m-19.65m, No Rec. Core barrel bit broke							
		BXDC, 20.13m-21.65m, Boulders							
Hole stopped @ 21.65m									
Drillers Notes:									
Changed casing bit at 5.85m.									
No water return though-out drilling operation.									

GEOLOGISTS REPORT: