

PROJECT NAME: WARREN SITE NAME: BR 173 STATION: I+453.40 GROUND EL.: 240.106	PROJECT NUMBER: BRF 013-4 (14) SITE NO.: Vt 100 OFFSET: 8.20 RT G.W. DEPTH:
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BORING CREW CREW CHIEF: YOUNG DRILLER: CHABOT LOGGER: DAVIS ADDITIONAL CREW:	BORING RIG: SKID RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL
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DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS <i>(Description)</i>	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		No sample, (Rip Rap)							
		BXDC, 2.44m-3.96m, Boulders, (Rip Rap)							
5		Visual Classification: A-2-4, SiSa, brn, MTW, Rec. = 0.30m	12	26.1					
		Visual Classification: A-4, SaSi, brn, MTW, Rec. = 0.07m	42	37					
		Visual Classification: A-2-4, SiSa, brn, MTW, Rec. = 0.33m	12	23.9					
		Visual Classification: A-2-4, Sa, brn, MTW, Rec. = 0.30m	10	23					
10		Visual Classification: A-2-4, SiSa, brn, MTW, Rec. = 0.32m	12	24					
		Visual Classification: A-2-4, Sa, brn, MTW, Rec. = 0.40m	18	24.6					
		Visual Classification: A-2-4, Sa, brn, MTW, Rec. = 0.39m	29	21.4					
15		Visual Classification: A-2-4, Sa, brn, MTW, Rec. = 0.40m	13	20.7					
		Visual Classification: A-2-4, Sa, brn, MTW, Rec. = 0.60m	10	21.9					
		A-4, Si, gry, MTW, Rec. = 0.60m	7	32	0.3	4.4	95.3	28	6
20		A-4, Si, gry, MTW, Rec. = 0.45m	7	33		6.3	93.7		
		A-4, Si, gry, MTW, Rec. = 0.47m	5	36.8		2.7	97.3		
		A-4, Si, gry, MTW, Rec. = 0.43m	7	30.4		6.3	93.7		
		A-4, Si, gry, MTW, Rec. = 0.37m	6	33.5		9.4	90.6		
25		A-4, SaSi, gry, MTW, Rec. = 0.58m	4	27.6	2.7	42.6	54.7		
		A-4, SaSi, gry, MTW, Rec. = 0.32m	6	29.7	0.5	40.4	59.1		
		A-2-4, SiSa, brn, MTW, Rec. = 0.31m	7	25.2	0.1	77.5	22.4		

GEOLOGISTS REPORT:

PROJECT NAME: WARREN SITE NAME: BR 173 STATION: I+453.40 GROUND EL.: 240.106	PROJECT NUMBER: BRF 013-4 (14) SITE NO.: Vt 100 OFFSET: 8.2 RT G.W. DEPTH:
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BORING CREW CREW CHIEF: YOUNG DRILLER: CHABOT LOGGER: DAVIS ADDITIONAL CREW:	BORING RIG: SKID RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL
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DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS <i>(Description)</i>	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-2-4, GrSa, brn, Moist, Rec. = 0.37m	29	19.8	26.8	59.4	13.8		
		A-1-b, SaGr, brn, Moist, Rec. = 0.34m	42	12.2	44.8	38.9	16.3		
		A-1-a, SaGr, gry, Moist, Rec. = 0.45m	77	14.5	58.8	27.6	13.6		
35		BXDC, 34.5m-35.9m, Boulders							
		A-4, GrSiSa HP, gry, Dry, Rec. = 0.07m	R	9.6	25.7	38	36.3		
		No Rec.	R						
		A-1-b, Gr, gry, Dry, Rec. = 0.20m	80	5.8	77.2	5.1	17.7		
40		Run #1: BXDC, 39.92m-41.44m, Rec. = 1.05m, See Geologist's Report.	RUN	REC%	RQD%	Dip°			
			1	69	69	60			
		Run #2: BXDC, 41.44m-42.96m, Rec. = 1.36m, See Geologist's Report.	2	89	89	60			
		Hole stopped @ 42.96m							
45									
50									
55									

GEOLOGISTS REPORT:

Run #1: Light gray, Quartz-muscovite-sericite schist, Moderately hard, Unweathered, (Fair RQD and Recovery) - Competent.

Run #2: Light gray, Quartz-muscovite-sericite schist, Moderately hard, Unweathered, Competent.

PROJECT NAME: WARREN
SITE NAME: BR 173
STATION: I+467.30
GROUND EL.: 239.798

PROJECT NUMBER: BRF 013-4 (14)
SITE NO.: Vt 100
OFFSET: -8.20 LT
G.W. DEPTH:

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

BORING RIG: 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
		No Sample (Rip Rap)							
		No Sample (Rip Rap)							
5		A-2-4, SiSa, brn, MTW, Rec. = 0.22m	14	25.3	9.8	62.6	27.6		
		A-4, SaSi, brn, MTW, Rec. = 0.38m	15	24.6		39	61		
		A-2-4, SiSa, brn, MTW, Rec. = 0.41m	34	20.8	0.2	74.7	25.1		
		A-2-4, Sa, brn, MTW, Rec. = 0.41m	29	21.9		89.5	10.5		
10		A-2-4, Sa, brn, MTW, Rec. = 0.30m	19	24.2	0.2	86.9	12.9		
		A-3, Sa, brn, Moist, Rec. = 0.37m	27	19.1	0.5	89.2	10.3		
		A-4, Si, gry, MTW, Rec. = 0.33m	9	33.9	0.2	4.8	95		
15		A-4, Si, gry, MTW, Rec. = 0.38m	14	31.6	0.9	3.9	95.2		
		A-4, Si, gry, MTW, Rec. = 0.42m	18	30.9		8.5	91.5		
		A-4, SaSi, gry, MTW, Rec. = 0.27m	30	24	2	42.5	55.5		
20		A-2-4, SiSa, gry, MTW, Rec. = 0.21m	21	24.3	4.1	61.3	34.7		
		A-3, Sa, brn, MTW, Rec. = 0.36m	42	25.3		93	7		
		A-1-b, SaGr, brn, Moist, Rec. = 0.18m	37	14.1	46.6	39.1	14.3		
25		No Rec., Stone in bit.	44						
		A-1-b, SaGr, brn, Moist, Rec. = 0.30m	41	10.9	48.9	37	14.1		
		A-1-a, SaGr, brn, Dry, Rec. = 0.20m	22	9.8	63.5	27.4	9.1		
		BXDC, 28.5m-30.02m, Boulders							

GEOLOGISTS REPORT:

PROJECT NAME: WARREN
SITE NAME: BR 173
STATION: I+467.30
GROUND EL.: 239.798

PROJECT NUMBER: BRF 013-4 (14)
SITE NO.: Vt 100
OFFSET: -8.20 LT
G.W. DEPTH:

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

BORING RIG: 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
		BXDC, 30.02m-31.50m, Boulders							
		No Rec., Broken stone in bit.	R						
		BXDC, 33.1m-33.86m, Rec. = 0.53m, Boulders							
35		No Rec., Stone in bit.	R						
		BXDC, 35.0m-36.0m, Boulders							
		A-2-4, SiSa, gry, Dry, Rec. = 0.17m	R	9.8	16.8	58.8	24.4		
		Visual Class: Broken Rock	R						
		No sample							
40		A-1-b, SaGr, gry-brn, Moist, Rec. = 0.12m	R	15.4	46.7	37.6	15.7		
		Run #1: BXDC, 41.45m-41.60m, Rec. = 0.13m, See Geologist's Report.	RUN	REC%	RQD%	Dip°			
		Run #2: BXDC, 41.60m-42.97m, Rec. = 1.20m, See Geologist's Report.	1	87	87	60			
		Run #3: BXDC, 42.97m-44.49m, Rec. = 1.48m, See Geologist's Report.	2	88	58	60			
			3	97	97	60			
45		Hole stopped @ 44.49m							
50									
55									

GEOLOGISTS REPORT:

- Run #1: Light gray, Quartz-muscovite-sericite schist, Moderately hard, Unweathered, Insufficient length of Run to comment on competency.
- Run #2: Light gray, Quartz-muscovite-sericite schist, Moderately hard, Unweathered, Competent.
- Run #3: Light gray, Quartz-muscovite-sericite schist, Moderately hard, Unweathered, Competent.

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION			HOLE NO.: B-10 SHEET 1 OF 2 DATE STARTED: 5/23/00 DATE COMPLETED: 6/1/00						
PROJECT NAME: WARREN SITE NAME: BR 173 STATION: I+495.20 GROUND EL.: 237.487			PROJECT NUMBER: BRF 013-4 (14) SITE NO.: V+ 100 OFFSET: 5.20 G.W. DEPTH:						
BORING CREW CREW CHIEF: MCGLYNN DRILLER: CHABOT LOGGER: YOUNG ADDITIONAL CREW:			BORING RIG: TRACTOR 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
5.6		A-2-4, SiSa, DK/brn, MTW, Rec. = 0.14m	R	41.3	4.7	68.6	26.7		
		BXDC, 2.55m-3.00m, Boulders							
		A-2-4, SiSa, brn, MTW, Rec. = 0.37m	13	28.7	7.3	71.4	21.3		
5		A-2-4, SiSa, brn, MTW, Rec. = 0.23m	12	26.3	2.8	71.3	25.9		
		A-2-4, SiSa, brn, MTW, Rec. = 0.27m	9	24.6	3.8	75.6	20.6		
		A-2-4, SiSa, brn, MTW, Rec. = 0.35m	14	23.8	1.6	77.4	21		
		A-2-4, Sa, brn, MTW, Rec. = 0.42m	21	24.3	1.1	85.9	13		
10		A-3, Sa, brn, MTW, Rec. = 0.31m	16	23.2	1.3	91.4	7.3		
		A-4, Si, gry, MTW, Rec. = 0.05m		28.1	0.2	14.1	85.7		
		A-4, Si, gry, MTW, Rec. = 0.30m	14	28.5	1	10.4	88.6		
		A-4, Si, gry, MTW, Rec. = 0.29m	18	36.6	0.3	1.8	97.9		
15		A-4, Si, gry, MTW, Rec. = 0.32m	14	31.4		8	92		
		A-4, Si, gry, MTW, Rec. = 0.61m	13	33.9		4.7	95.3		
		A-4, SaSi, gry, MTW, Rec. = 0.31m	17	28.4	2	20.3	77.7		
20		A-4, Si, gry, MTW, Rec. = 0.34m	19	28.9	10.1	10.2	79.7		
		A-4, Si, gry, MTW, Rec. = 0.31m	19	21.9	13	10	77		
		A-4, SaSi, gry, MTW, Rec. = 0.36m	32	23.6	13.3	28.7	58		
		No Sample, Cored ahead							
25		A-2-4, SiSa, brn, MTW, Rec. = 0.60m	24	23	0.2	67.2	32.6		
		A-2-4, Sa, brn, MTW, Rec. = 0.60m	33	22.4	0.1	80.6	19.3		
		A-4, SaSi, brn, MTW, Rec. = 0.60m	20	26.3	6.4	37.2	56.4		

GEOLOGISTS REPORT:

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION			HOLE NO.: B-10 SHEET 2 OF 2 DATE STARTED: 5/23/00 DATE COMPLETED: 6/1/00						
PROJECT NAME: WARREN SITE NAME: BR 173 STATION: I+495.20 GROUND EL.: 237.487			PROJECT NUMBER: BRF 013-4 (14) SITE NO.: V+ 100 OFFSET: 5.20 G.W. DEPTH:						
BORING CREW CREW CHIEF: MCGLYNN DRILLER: CHABOT LOGGER: YOUNG ADDITIONAL CREW:			BORING RIG: TRACTOR 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 HP, gry, Moist, Rec. = 0.28m	R	10.3	52.8	37.2	10		
		BXDC 30.90m-31.50m, Boulders							
		A-2-4, GrSa, gry, Moist, Rec. = 0.15m	43	10.3	22.5	60.2	17.3		
		A-2-4, GrSiSa, gry, Moist, Rec. = 0.24m	R	12.2	24.1	47.4	28.5		
35		A-3, Sa, gry, MTW, Rec. = 0.15m	R	22.9	0.2	94.1	5.7		
		A-1-a, SaGr HP, gry, Dry, Rec. = 0.12m	R	9.2	61	31.9	7.1		
		A-3, Sa, gry, Moist, Rec. = 0.25m	R	16.2	15.9	76.3	7.8		
		No Rec., Boulders	R						
		Top of bedrock @ 39.6 m							
40		Run #1: BXDC, 39.60m-41.07m, Rec. = 1.42m, See Geologist's Report.	RUN	REC%	RQD%	Dip°			
			1	97	90	60			
		Run #2: BXDC, 41.07m-42.44m, Rec. = 1.08m, See Geologist's Report.	2	79	28	60			
		Hole stopped @ 42.44m							
45									
50									
55									

GEOLOGISTS REPORT:

Run #1: Gray, Quartz-sericite-chlorite schist, Moderately hard, Unweathered, Competent, Fracturing of core sample due to mechanical breakage.

Run #2: Gray, Quartz-sericite-chlorite schist, Moderately hard, Unweathered, Poor RQD, Numerous closely spaced joints.

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION			HOLE NO.: B-II SHEET 1 OF 2 DATE STARTED: 5/23/00 DATE COMPLETED: 6/1/00						
PROJECT NAME: WARREN SITE NAME: BR 173 STATION: I+497.10 GROUND EL.: 237.445			PROJECT NUMBER: BRF 013-4 (14) SITE NO.: Vt 100 OFFSET: 9.70 G.W. DEPTH:						
BORING CREW CREW CHIEF: YOUNG DRILLER: CHABOT LOGGER: TALLMAN ADDITIONAL CREW:			BORING RIG: TRACTOR 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-2-4, SiSa, brn, MTW, Rec. = 0.32m	9	26	13.4	58.4	28.2		
		No Rec.	6						
5		A-2-4, SiSa, brn, MTW, Rec. = 0.34m	6	28.4		75.9	24.1		
		A-2-4, Sa, brn, MTW, Rec. = 0.25m	8	25.8	0.2	81.6	18.2		
		A-2-4, Sa, brn, MTW, Rec. = 0.24m	13	28.3		80.2	19.8		
		No Rec.	14						
10		A-4, Si, gry, MTW, Rec. = 0.60m	14	32.9	0.1	6.4	93.5		
		A-4, Si, gry, MTW, Rec. = 0.50m	12	33.6		7.2	92.8		
		A-4, Si, gry, MTW, Rec. = 0.49m	9	33.1		9.5	90.5		
15		A-4, SaSi, gry, MTW, Rec. = 0.45m	9	30.4		22.1	77.9		
		A-4, Si, gry, MTW, Rec. = 0.41m	12	32.7		10.7	89.3		
		A-4, SaSi, gry, MTW, Rec. = 0.46m	20	26		42.3	57.7		
20		A-4, Si, gry, MTW, Rec. = 0.44m	16	30.5		12	88		
		A-2-4, SiSa, gry, Moist, Rec. = 0.51m	38	18.3	0.7	75	24.3		
		A-2-4, SiSa, brn-gry, MTW, Rec. = 0.54m	17	22.2	4.7	70.5	24.8		
		A-2-4, Sa, brn-gry, MTW, Rec. = 0.29m	12	22.8	5.2	76.4	18.4		
25		A-4, SaSi, brn-gry, MTW, Rec. = 0.34m	25	26.7	1.4	42.6	56		
		A-4, SiSa, brn, MTW, Rec. = 0.29m	32	25.2	6.4	46.9	46.7		
		No sample							

GEOLOGISTS REPORT:

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION			HOLE NO.: B-II SHEET 2 OF 2 DATE STARTED: 5/23/00 DATE COMPLETED: 6/1/00						
PROJECT NAME: WARREN SITE NAME: BR 173 STATION: I+497.10 GROUND EL.: 237.445			PROJECT NUMBER: BRF 013-4 (14) SITE NO.: Vt 100 OFFSET: 9.70 G.W. DEPTH:						
BORING CREW CREW CHIEF: YOUNG DRILLER: CHABOT LOGGER: TALLMAN ADDITIONAL CREW:			BORING RIG: TRACTOR 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-2-4, Sa, gry, Moist, Rec. = 0.28m	R	15.4	12.1	70.4	17.5		
		A-2-4, SiSa, gry, Moist, Rec. = 0.09m	R	11	13.9	58.9	27.2		
		Visual Class: Broken Rock, Rec. = 0.30m	R						
35		Top of bedrock @ 35.36 m							
		Run #1: BXDC, 35.36m-36.88m, Rec. = 1.36m, See Geologist's Report.	RUN	REC%	RQD%	Dip°			
			1	89	89	72			
		Run #2: BXDC, 36.88m-38.09m, Rec. = 0.76m, See Geologist's Report.	2	63	0	72			
		Hole stopped @ 38.09m Plugged and Bit Broke							
40		Notes: At 35.36m-36.88m very seamy							
45									
50									
55									

GEOLOGISTS REPORT:

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

Run #2: Gray, Quartz-sericite-chlorite schist, Moderately hard, Unweathered, contains numerous closely spaced joints, Very Poor RQD.

PROJECT NAME: WARREN
SITE NAME: BR 173
STATION: I+506.60
GROUND EL.: 238.118

PROJECT NUMBER: BRF 013-4 (14)
SITE NO.: Vt 100
OFFSET: -6.00
G.W. DEPTH:

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

BORING RIG: 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
35.6		A-1-b, SaGr, gry, Moist, Rec. = 0.28m	19	12.3	49.8	37.4	12.8		
		No Rec.	18						
5		A-2-4, Sa, brn, MTW, Rec. = 0.30m	16	24.2	0.7	82.7	16.6		
		A-2-4, Sa, brn, MTW, Rec. = 0.33m	21	21.3	2.4	85.5	12.1		
		A-2-4, SiSa, brn, MTW, Rec. = 0.33m	24	27.5	6.1	60.2	33.7		
10		A-3, Sa, brn, MTW, Rec. = 0.31m	14	22.4		90.9	9.1		
		A-2-4, SiSa, gry, Moist, Rec. = 0.45m	13	20.4	3	68.2	28.8		
		A-4, Si, gry, MTW, Rec. = 0.60m	6	38		8.3	91.7		
		A-4, Si, gry, MTW, Rec. = 0.60m	6	32		7	93		
15		A-4, Si, gry, MTW, Rec. = 0.43m	11	28.6		17.9	82.1		
		A-4, Si, gry, MTW, Rec. = 0.30m	12	34.5	0.2	4.3	95.5		
		A-4, SaSi, gry, MTW, Rec. = 0.28m	13	24.8	1.9	41.4	56.7		
20		A-4, Si, gry, MTW, Rec. = 0.30m	12	29.6		13.7	86.3		
		A-4, SaSi, gry, Moist, Rec. = 0.52m	14	19.9	2.1	41.5	56.4		
		A-4, SiSa, gry, MTW, Rec. = 0.55m	13	29.1	1.5	62.9	35.6		
25		A-2-4, Sa, gry, Moist, Rec. = 0.60m	29	18.2	4.2	79.4	16.4		
		No Sample							
		No Sample							
		No Sample							
		BXDC, 29.24m-29.70m,							

GEOLOGISTS REPORT:

PROJECT NAME: WARREN
SITE NAME: BR 173
STATION: I+506.60
GROUND EL.: 238.118

PROJECT NUMBER: BRF 013-4 (14)
SITE NO.: Vt 100
OFFSET: -6.00
G.W. DEPTH:

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

BORING RIG: 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
		A-1-b, Sa, gry, MTW, Rec. = 0.60m	73	23.5	10.4	88.5	1.1		
35		A-3, Sa, gry, Moist, Rec. = 0.10m	R	20.4	1.1	91.7	7.2		
		A-1-b, SiGrSa HP, gry, Moist, Rec. = 0.12m	R	10.6	37.2	42.5	20.3		
		Top of bedrock @ 37.9 m							
		Run #1: BXDC, 37.90m-39.42m, Rec. = 1.40m, See Geologist's Report.	RUN	REC%	RQD%	Dip°			
			1	92	92	60			
40		Run #2: BXDC, 39.42m-40.94m, Rec. = 1.30m, See Geologist's Report.	2	86	86	60			
		Hole stopped @ 40.94m							
45									
50									
55									

GEOLOGISTS REPORT:

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

Run #2: Gray, Quartz-sericite-chlorite schist, Moderately hard, Unweathered, Competent.

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

HOLE NO.: B-13
SHEET 1 OF 2
DATE STARTED: 5/23/00
DATE COMPLETED: 6/1/00

PROJECT NAME: WARREN
SITE NAME: BR 173
STATION: I+517.00
GROUND EL.: 239.289

PROJECT NUMBER: BRF 013-4 (14)
SITE NO.: Vt 100
OFFSET: -10.50
G.W. DEPTH:

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: CHABOT
LOGGER: MCGLYNN
ADDITIONAL CREW:

BORING RIG: 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
		A-1-a, SaGr, gry-brn, Moist, Rec. = 0.36m	20	9.7	51.7	37.1	11.2		
		A-1-a, Gr, gry-brn, Dry, Rec. = 0.08m	16	4.4	85.2	11.6	3.2		
5		A-2-4, SiSa, brn, MTW, Rec. = 0.32m	9	27.4		77.9	22.1		
		A-2-4, Sa, brn, MTW, Rec. = 0.37m	12	25.4	0.5	83	16.5		
		A-2-4, SiSa, Lt/gry, MTW, Rec. = 0.42m	13	29	0.6	66.7	32.7		
		A-3, Sa, Lt/gry, MTW, Rec. = 0.46m	18	20.6	0.7	89.8	9.5		
10		A-4, Cisi, gry, MTW, Rec. = 0.53m	1	31.6	0.2	6	93.8	30	7
		A-4, Si, gry, MTW, Rec. = 0.45m	3	35.1		10.3	89.7		
		A-4, Si, gry, MTW, Rec. = 0.42m	6	31.5		13.7	86.3		
15		A-4, Si, gry, MTW, Rec. = 0.38m	7	29.7		17.7	82.3		
		A-2-4, SiSa, gry, Moist, Rec. = 0.60m	23	16.7		74.3	25.7		
		A-2-4, Sa, gry, Moist, Rec. = 0.57m	22	20	0.4	81.5	18.1		
20		A-2-4, SiSa, gry, MTW, Rec. = 0.30m	24	21.9	0.5	69.3	30.2		
		A-2-4, SiSa, gry, MTW, Rec. = 0.30m	21	21		79.8	20.2		
		A-2-4, Sa, gry, Moist, Rec. = 0.21m	9	18.9		89.4	10.6		
		No Sample, Flowing Sand							
25		No Sample, Flowing Sand							
		No Sample, Flowing Sand							
		A-2-4, Sa, brn, Moist, Rec. = 0.24m	20	19.8	3.1	78.4	18.5		

GEOLOGISTS REPORT:

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

HOLE NO.: B-13
SHEET 2 OF 2
DATE STARTED: 5/23/00
DATE COMPLETED: 6/1/00

PROJECT NAME: WARREN
SITE NAME: BR 173
STATION: I+517.00
GROUND EL.: 239.289

PROJECT NUMBER: BRF 013-4 (14)
SITE NO.: Vt 100
OFFSET: -10.50
G.W. DEPTH:

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: CHABOT
LOGGER: MCGLYNN
ADDITIONAL CREW:

BORING RIG: SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

208.6

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-4, Si, gry, MTW, Rec. = 0.38m	27	22.1	4.5	17.4	78.1		
		Visual Classification: Broken Rock, Rec. = 0.10m	R						
		Visual Classification: Broken Rock, Rec. = 0.07m	R						
35		BXDC, 35.40m-36.92m, Boulder, Rec. = 0.13m							
		BXDC, 37.50m-39.00m, Boulder, No Rec.							
		Top of bedrock @ 39.34 m							
40		Run #1: BXDC, 39.34m-40.86m, Rec. = 1.30m, See Geologist's Report.	RUN	REC%	RQD%	Dip°			
		Run #2: BXDC, 40.86m-42.38m, Rec. = 1.50m, See Geologist's Report.	1	86	86	60			
			2	99	99	60			
		Hole stopped @ 42.38m							
45									
50									
55									

GEOLOGISTS REPORT:

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

Run #2: Gray, Quartz-sericite-chlorite schist, Moderately hard, Unweathered, Competent.