

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION				HOLE NO.: B-1 SHEET 1 OF 1 DATE STARTED: 3/12/96 DATE COMPLETED: 3/13/96					
PROJECT NAME: ROYALTON SITE NAME: TH 1 STATION: 104+20.00 GROUND EL.: 464.77		PROJECT NUMBER: BRZ 1444(22) SITE NO.: BRIDGE 3 OFFSET: -24.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: KELLEY LOGGER:		BORING RIG: TRUCK BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-4, SiSa, Moist, br, Rec. = 0.5'	18	32	2.2	57.5	40.3		
10		No recovery.	15						
15		A-1-b, SaGr, Moist, br, Rec. = 0.6'	67	15	54.6	32.6	12.8		
20		No recovery.	66						
25		Top of bedrock @ 25.0'							
		Run 1: BXMDC 25.0' - 30.0', Rec. = 4.4'		DIP (d)	REC %	ROD %			
				45	88	80			
30		Run 2: BXMDC 30.0' - 35.0', Rec. = 5.0'							
				40	100	100			
35		Geologist's Report							
		Hole stopped @ 35.0'							
40		Run #1: Gray recrystallized limestone with increasing biotite at bottom of run. Some quartz veins.							
		Unweathered - medium hard Rock is competent							
45		Run #2: Gray recrystallized limestone with biotite grading to phyllitic schist with porphyroblasts of garnet.							
		Unweathered - medium hard. Rock is competent.							

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION				HOLE NO.: B-2 SHEET 1 OF 1 DATE STARTED: 3/13/96 DATE COMPLETED: 3/14/96					
PROJECT NAME: ROYALTON SITE NAME: TH 1 STATION: 104+37.00 GROUND EL.: 463.57		PROJECT NUMBER: BRZ 1444(22) SITE NO.: BRIDGE 3 OFFSET: -25.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: KELLEY LOGGER:		BORING RIG: TRUCK BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-4, SiSa, Moist, br, Rec. = 0.4'	20	55.2	7.5	53.1	39.4		
10		A-1-b, SaGr, Moist, br, Rec. = 0.5'	59	11	55.1	33.4	11.5		
15		No recovery.	R						
20		Top of bedrock @ 20.0'							
		Run 1: BXMDC 20.0' - 25.0', Rec. = 4.4'		DIP (d)	REC %	ROD %			
				25	88	63			
25		Run 2: BXMDC 25.0' - 30.0', Rec. = 4.9'							
				25	98	78			
30		Geologist's Report							
		Hole stopped @ 30.0'							
35		Run #1: Gray recrystallized limestone. Unweathered - medium hard							
		Rock is competent							
40		Run #2: Same as Run #1							

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION				HOLE NO.: B-3 SHEET 1 OF 1 DATE STARTED: 3/11/96 DATE COMPLETED: 3/12/96					
PROJECT NAME: ROYALTON SITE NAME: TH 1 STATION: 104+34.00 GROUND EL.: 463.95		PROJECT NUMBER: BRZ 1444(22) SITE NO.: BRIDGE 3 OFFSET: -7.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: KELLEY LOGGER:		BORING RIG: TRUCK BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-2-4, SiSa, Moist, br, Rec. = 0.5'	8	25.8	10.2	69.7	20.1		
10		A-1-a, SaGr, Moist, br, Rec. = 0.8'	9	13.4	52	37.4	10.6		
15		A-1-b, GrSa, Moist, br, Rec. = 1.0'	35	11.8	42.5	44.6	12.9		
20		No recovery	61						
		Top of bedrock @ 22.0'							
		Run #1: BXMDC 22.0' - 27.0', Rec. = 4.6'		DIP (d)	REC %	ROD %			
					92	85			
25		Run #2: BXMDC 27.0' - 32.0', Rec. = 4.6'							
					92	92			
30		Geologist's Report							
		Hole stopped @ 32.0'							
35		Run #1: Gray recrystallized limestone. Unweathered - medium hard							
		Rock is competent							
40		Run #2: Same as Run #1							

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION				HOLE NO.: B-4 SHEET 1 OF 1 DATE STARTED: 2/28/96 DATE COMPLETED: 3/1/96					
PROJECT NAME: ROYALTON SITE NAME: TH 1 STATION: 104+31.00 GROUND EL.: 463.74		PROJECT NUMBER: BRZ 1444(22) SITE NO.: BRIDGE 3 OFFSET: 25.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: KELLEY LOGGER:		BORING RIG: TRUCK BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-2-4, SiSa, Moist, gy, Rec. = 1.5'	54	30.6	0.3	73.8	25.9		
		A-2-4, SiSa, Moist, gy, Rec. = 0.65'	7	34.2	0.4	77.3	22.3		
		A-2-4, GrSa, Wet, gy, Rec. = 1.0'	20	16.7	25.3	55.7	19		
		A-1-a, SaGr, Wet, br, Rec. = 0.85'	49	10.4	71.7	22.2	6.1		
		A-1-a, SaGr, Wet, br, Rec. = 0.25'	42	12.6	50	43.4	6.6		
10		No sample, boulder.	28						
		No recovery.							
15		A-1-b, SaGr, Wet, br, Rec. = 1.0'	26	16.3	47	43.1	9.9		
		A-1-b, GrSa, Wet, br, Rec. = 0.85'	35	11.1	33.5	52.7	13.8		
		No recovery	50						
20		A-1-b, GrSa, Wet, br, Rec. = 0.5'	16	22.4	23.3	71.6	5.1		
		A-1-b, GrSa, Wet, br, Rec. = 1.0'	R	17.4	31	62.3	6.7		
25		No sample, boulder							
		BXMDC, Rec. = 1.5'. Boulder.							
30		A-1-b, GrSa, Wet, br, Rec. = 1.5'	63	12.3	29.6	61.1	9.3		
		A-1-b, GrSa, Wet, br, Rec. = 1.0'	R	17.1	41.4	50.4	8.2		
		Run #1: BXMDC 33.5' - 38.5', Rec. = 4.5'		DIP (d)	REC %	ROD %			
					90	65			
		Top of bedrock @ 33.5'							
40		Run #2: BXMDC 38.5' - 43.5', Rec. = 4.4'							
					40	88	62		
45		Geologist's Report							
		Hole stopped @ 43.5'							
		Run #1: Gray phyllitic schist with porphyroblasts of garnet and biotite. Unweathered - medium hard Rock is competent							
		Run #2: Same as Run #1							

Note: all distances in feet.

SURVEYED BY R. GILMAN DATE 09/91
 DRAWN BY S. COENYE DATE 09/96
 SQUAD LEADER C. BENDA
 DESIGN FILE NO. 891099/Structures/sj099bor.dgn
 IPARM FILE sj099bor.i DATE PLOTTED 25-SEP-2000
 PROJ. NAME ROYALTON
 PROJ. NO. BRZ 1444(22)
 SHEET 18 OF 118
 BORING HOLE CHARTS 1 - 4