

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

HOLE NO.: B-19  
SHEET 1 OF 1  
DATE STARTED: 9/5/02  
DATE COMPLETED: 9/1/02

PROJECT NAME: HARTFORD  
SITE NAME: BR #8  
STATION: 32+22.00  
GROUND EL.: 373.40

PROJECT NUMBER: BTN 20040  
SITE NO.: TH #4  
OFFSET: 16.00  
G.W. DEPTH: Drilled in River

BORING CREW  
CREW CHIEF: YOUNG  
DRILLER: YOUNG  
LOGGER: TALLMAN

BORING RIG: SMALL SKID RIG & RAFT  
BORING TYPE: WASH BORE  
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS <i>(described)</i>	BLOWS PER FOOT	MC %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-1-b, Gr-Sa, brn, Moist, Rec. = 1.0'	22	16.3	25.3	64.3	10.4		
10		NXDC, 9.5'-12.5', No sample, Boulders							
		Top of bedrock @					12.5'		
15		Run#1: NXGDC, 12.5'-16.0', Rec. = 1.3', See Geologist's Report.	RUN	REC	RQD	Dip			
			1	37	26	40			
		Run#2: NXGDC, 16.0'-20.0', Rec. = 3.5', See Geologist's Report.	2	88	0	45			
20		Run#3: NXGDC, 20.0'-21.0', Rec. = 0.8'	3	80	0	45			
		Run#4: NXGDC, 21.0'-23.0', Rec. = 1.3'	4	65	0	45			
25		Run#5: NXGDC, 23.0'-26.0', Rec. = 1.75', See Geologist's Report.	5	58	0	45			
		Run#6: NXGDC, 26.0'-27.5', Rec. = 0.75'	6	50	0	45			
		Run#7: NXGDC, 27.5'-28.25', Rec. = 0.65'	7	87	0	45			
30		Run#8: NXGDC, 28.25'-31.45', Rec. = 1.8', See Geologist's Report.	8	56	25	45			
		Run#9: NXGDC, 31.45'-32.45', Rec. = 0.5'	9	50	0	45			
35		Run#10: NXGDC, 32.45'-33.45', Rec. = 1.0', See Geologist's Report.	10	100	0	45			
		Hole stopped @ 33.45'							

GEOLOGIST'S REPORT:

Core barrel plugged on every attempt of coring each Run.  
Run#1: Greenish gray amphibolite meta-volcanic,  
Very hard, Unweathered, May be loose rock (boulder).  
Run#2: 16.0'-17.20' Gray quartz sericite schist, Hard,  
Unweathered, May be loose rock (boulder).  
17.20'-20.0' Greenish gray quartz sericite schist with  
numerous felsic veins. hard to very hard, Unweathered,  
Poor RQD may be due to mechanical breakage during drilling.  
Run#3, to Run#10: Greenish gray quartz sericite schist with  
numerous felsic veins. hard to very hard, Unweathered,  
Poor RQD may be due to mechanical breakage during drilling.

DRILLER'S NOTES: Could not advance casing below 16.0'.  
Fragments of rock would fall in hole and create problems.