



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

BORING NUMBER: B-306  
 SHEET 1 of 1  
 DATE STARTED: 3/27/07  
 DATE COMPLETED: 3/30/07

PROJECT NAME: BETHEL  
 SITE NAME: VT-107  
 STATION: 128+02.00  
 OFFSET: 25.00  
 VTSPG: N 483867.63 ft E 1605709.31 ft

PROJECT NUMBER: BRF 022-1(14)  
 SITE NUMBER: BR-15  
 GROUND ELEVATION: 531.81 ft  
 GROUNDWATER DEPTH: Hole Caved In  
 PROJECT PIN NUMBER: 78F161

BORING CREW  
 CREW CHIEF: GARROW  
 DRILLER: GARROW  
 LOGGER: CARRIERE

BORING RIG: SMALL SKID RIG  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE: SPLIT BARREL  
 CHECKED BY: DLG

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
		A-1-b, GrSa, brn, Moist, Rec. = 1.4 ft	20	34.1	31.7	53.5	14.8
		Visual Class.: SiSaGr, brn, Moist, Rec. = 0.5 ft, Insufficient sample for testing. Field Note: NXDC, Cleaned out casing.	R				
		Visual Class.: Broken Rock, Rec. = 0.7 ft	25				
		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft	8	12.9	53.0	32.5	14.5
10		A-2-4, SiGrSa, gry, Moist, Rec. = 0.8 ft	21	15.7	33.9	37.6	28.5
		A-2-4, Sa, brn, Moist, Rec. = 0.4 ft	10	24.7	12.7	72.1	15.2
		A-4, SiSa, gry, Moist, Rec. = 1.0 ft	17	30.6	6.1	49.5	44.4
		A-2-4, SiSa, brn, MTW, Rec. = 0.5 ft	13	32.9	1.2	71.2	27.6
		Field Note: No Sample	R				
20		Field Note: No Sample	56				
		A-1-b, SiSaGr, gry, Moist, Rec. = 1.2 ft	38	9.6	41.7	36.3	22.0
30		Field Note: NXMDC, Cleaned out casing.					
		Top of Bedrock @ 35.0 ft					
		Light gray, Quartz-biotite gneiss, Competent, Very hard, Unweathered, NXMDC, 35.0 ft - 40.0 ft, Rec. = 4.2 ft	1	84	76	50	22 13 14 16 25
40		Light gray, Quartz-biotite gneiss, Competent, Very hard, Unweathered, NXMDC, 40.0 ft - 41.8 ft, Rec. = 1.8 ft	2	100	100	50	25
		Light gray, Quartz-biotite gneiss, with quartz veins. Competent. Moderately weathered zone at 44.4 ft., Very hard, Unweathered, NXMDC, 41.8 ft - 45.0 ft, Rec. = 3.1 ft	3	97	93	60	31 23 21 18
		Hole stopped @ 45.0 ft					
50		DRILLER'S NOTES: 1. Water table on .3/29/07 was around 12.4 ft.					

LOG OF BORING - BETHEL - BRF 022-1(14).GRJ - VT.AOT.GDT - 5/23/07