



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

BORING NUMBER: B-303  
SHEET 1 of 1  
DATE STARTED: 2/01/07  
DATE COMPLETED: 2/12/07

PROJECT NAME: BETHEL  
SITE NAME: VT-107  
STATION: 125+50.00  
OFFSET: -25.00  
VTSPG: N 483680.35 ft E 1605533.39 ft

PROJECT NUMBER: BRF 022-1(14)  
SITE NUMBER: BR-15  
GROUND ELEVATION: 531.66 ft  
GROUNDWATER DEPTH: 16.0 ft 2/17/07  
PROJECT PIN NUMBER: 78F161

BORING CREW  
CREW CHIEF: HOLT  
DRILLER: PORTER  
LOGGER: SINGLETON

BORING RIG: LARGE SKID RIG w/AUTO HAMMER  
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-2-4, Sa, brn, Moist, Rec. = 1.8 ft	9	18.9	0.6	80.0	19.4
		A-3, Sa, Lt/brn, Moist, Rec. = 1.1 ft	3	16.0	10.4	80.6	9.0
		A-3, Sa, brn, Moist, Rec. = 0.9 ft	R	14.8	8.1	82.8	9.1
		Field Class: Boulder, 7.0 ft - 8.0 ft, Refusal at 7.0 ft, Cored ahead					
		A-3, Sa, brn, Moist, Rec. = 1.1 ft	6	14.5	11.2	78.6	10.2
10		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft	12	11.0	27.8	63.3	8.9
		A-1-b, SiSaGr, gry-brn, MTW, Rec. = 0.9 ft	31	9.2	45.1	34.7	20.2
		A-1-b, SaGr, Lt/brn, Moist, Rec. = 1.2 ft	44	9.1	47.8	39.8	12.4
		A-2-4, Sa, brn, MTW, Rec. = 1.1 ft	14	24.9	4.7	81.3	14.0
		Field Note: No sample, Trace of Sa Si	6				
20		A-4, SaSi, gry, MTW, Rec. = 1.0 ft	6	23.8	0.8	19.9	79.3
		A-4, SaSi, gry, MTW, Rec. = 1.5 ft	20	19.4	7.5	29.7	62.8
		Field Class: Boulder, 24.0 ft - 26.0 ft, No sample, Cored ahead					
		A-2-4, GrSiSa, gry, Moist, Rec. = 1.4 ft	36	15.2	29.3	37.3	33.4
		A-4, GrSiSa, brn, Wet, Rec. = 1.3 ft	14	17.4	20.0	41.7	38.3
30		A-2-4, SiSa, brn, Wet, Rec. = 1.5 ft	7	23.6	9.6	63.1	27.3
		A-2-4, SiSa, brn, Moist, Rec. = 1.0 ft	42	19.9	3.5	71.2	25.3
		A-4, SiSa, gry, Moist, Rec. = 1.0 ft		16.9	6.6	49.6	43.8
		Classification: A-2-4, Si Sa with Broken Rock, gry, Moist, Rec. = 0.4 ft, Insufficient sample for testing.	R	8.0			
		Field Note: Difficult drilling in flowing sand, Used bentonite mud and continued.					
40		Classification: A-4, Sa Si with Broken Rock, gry, Moist, Rec. = 0.5 ft, Insufficient sample for testing.	R	12.2			
		Greenish gray, Biotite Gneiss, with some Amphibolite. Poor RQD., Very hard, Unweathered, NXDC, 42.3 ft - 44.3 ft, Rec. = 1.6 ft	1	80	25	60	9
		Greenish gray, Biotite Gneiss, Competent, Very hard, Unweathered, NXMDC, 44.3 ft - 48.3 ft, Rec. = 3.5 ft	2	88	69	60	12
		Greenish gray, Biotite Gneiss, Competent, Very hard, Unweathered, NXMDC, 48.3 ft - 52.3 ft, Rec. = 4.0 ft	3	100	85	60	5
50							13
							14
							5
							6
							5
							4
							5
		Hole stopped @ 52.3 ft					

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

Top of Bedrock @ 42.3 ft