



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

BORING NUMBER: B-302
SHEET 1 of 1
DATE STARTED: 3/23/07
DATE COMPLETED: 3/28/07

PROJECT NAME: BETHEL
SITE NAME: VT-107
STATION: 124+76.00
OFFSET: 25.00
VTSPG: N 483592.22 ft E 1605543.83 ft

PROJECT NUMBER: BRF 022-1(14)
SITE NUMBER: BR-15
GROUND ELEVATION: 529.19 ft
GROUNDWATER DEPTH: 7.5 ft 3/28/07
PROJECT PIN NUMBER: 78F161

BORING CREW
CREW CHIEF: PORTER
DRILLER: PORTER
LOGGER: WERNER

BORING RIG: LAG TRACK 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)
		No Recovery, 0.0 ft - 2.0 ft	2				
		A-2-4, SiSa, brn, Wet, Rec. = 0.8 ft	4	23.4	10.2	61.5	28.3
		A-1-b, SaGr, brn, Wet, Rec. = 1.0 ft	7	16.7	45.6	42.5	11.9
		Field Class., No Sample, In Cobbles					
		A-1-b, SiGrSa, brn, Wet, Rec. = 1.6 ft	15	15.7	29.1	50.7	20.2
10		A-2-4, SiSa, brn, Wet, Rec. = 0.3 ft, Stone in end of sampler.	25	18.9	19.2	57.1	23.7
		A-4, SaSi, brn, Wet, Rec. = 1.4 ft	20	24.3	2.8	41.7	55.5
		A-4, GrSaSi, brn, Wet, Rec. = 1.7 ft	36	18.4	21.2	37.0	41.8
		A-2-4, SiGrSa, brn, Wet, Rec. = 1.4 ft	28	16.4	33.1	34.6	32.3
		A-2-4, GrSiSa, brn, Wet, Rec. = 1.2 ft	17	20.5	20.2	58.5	21.3
20		A-2-4, GrSiSa, brn, Wet, Rec. = 1.4 ft	34	16.3	27.3	39.6	33.1
		A-1-b, SiSaGr, gry, Wet, Rec. = 1.6 ft	73	12.1	46.1	31.2	22.7
		Field Class., Boulder					
30		Field Note:, Seam					
		Field Class., Boulder					
		A-2-4, SiSaGr, gry, Wet, Rec. = 0.8 ft	R	12.6	36.8	34.7	28.5
			R	9.3	33.9	38.5	27.6
40		A-2-4, SiSaGr, gry, Wet, Rec. = 0.3 ft	1	95	80	60	8
		Gray, Biotite Gneiss, Competent, Very hard, Unweathered, NXMDC, 40.3 ft - 45.3 ft, Rec. = 4.75 ft					9
							7
							7
							7
		Gray, Biotite Gneiss, with occasional amphibolite stringers. Competent. Lost bottom 1.3' of core run in hole. RQD value may be misleading. Drilling rate indicates bottom 1.3' of core run is probably competent., Very hard, Unweathered, NXMDC, 45.3 ft - 50.3 ft, Rec. = 3.6 ft	2	72	70	60	7
50							6
							7
		Drilling break., 46.5 ft - 46.8 ft					20
		Hole stopped @ 50.3 ft					10

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