



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

BORING NUMBER: B-304
SHEET 1 of 1
DATE STARTED: 3/29/07
DATE COMPLETED: 4/02/07

PROJECT NAME: BETHEL
SITE NAME: VT-107
STATION: 125+50.00
OFFSET: 25.00
VTSPG: N 483653.89 ft E 1605575.81 ft

PROJECT NUMBER: BRF 022-1(14)
SITE NUMBER: BR-15
GROUND ELEVATION: 530.45 ft
GROUNDWATER DEPTH: 10.0 ft 4/02/07
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)
		A-2-4, Sa, brn, Moist, Rec. = 1.7 ft	6	21.4	11.1	70.0	18.9
		A-2-4, Sa, brn, Moist, Rec. = 1.1 ft	10	16.2	16.9	66.6	16.5
10		A-2-4, GrSiSa, brn, Wet, Rec. = 0.9 ft	27	13.3	25.4	48.7	25.9
		A-2-4, Sa, brn, Wet, Rec. = 1.1 ft	19	18.6	11.6	75.2	13.2
		Field Class: NXDC, Cobbles, Cleaned out casing.					
20		A-1-b, SiGrSa, gry, Wet, Rec. = 0.6 ft Field Note: NXDC, Cleaned out casing.	R	11.9	31.8	47.2	21.0
		A-4, SaSi, gry, Moist, Rec. = 1.7 ft	73	15.8	13.2	37.0	49.8
30		A-4, Si, gry, Moist, Rec. = 1.2 ft	30	21.9	0.9	19.1	80.0
		A-4, SiSa, gry, Moist, Rec. = 1.5 ft	91	18.3	2.1	52.3	45.6
40		A-4, SiSa, gry, Moist, Rec. = 1.0 ft	R	16.2	16.8	44.7	38.5
		Top of Bedrock @ 44.5 ft					
		Field Class: Weathered Rock, Drilled and cored ahead to solid rock.					
		Gray, Biotite Gneiss, Competent, Dip varies from 60 to 85, Very hard, Unweathered, NXMDC, 45.2 ft - 50.2 ft, Rec. = 5.0 ft	1	100	90		8 9 7 7
50		Gray, Biotite Gneiss, Competent, Dip varies from 60 to 85, Very hard, Unweathered, NXMDC, 50.2 ft - 55.2 ft, Rec. = 5.0 ft	2	100	92		7 6 6 5 5 6
		Hole stopped @ 55.2 ft					

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