

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-301 SHEET 1 of 1 DATE STARTED: 2/22/07 DATE COMPLETED: 2/26/07					
PROJECT NAME: BETHEL SITE NAME: VT-107 STATION: 124+80.00 OFFSET: -20.50 VTSPG: N 483613.40 ft E 1605502.24 ft		PROJECT NUMBER: BR-15 SITE NUMBER: BR-15 GROUND ELEVATION: 532.83 ft GROUNDWATER DEPTH: Hole Caved In PROJECT PIN NUMBER: 78F161					
BORING CREW CREW CHIEF: PORTER DRILLER: PORTER LOGGER: WERNER		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)
10		A-2-4, GrSiSa, brn, Moist, Rec. = 0.7 ft, Broken rock was within sample. Field Note: Cobbles, Cored ahead. Field Note: Cored ahead.	R	20.3	24.4	48.8	26.8
10		A-1-b, GrSa, brn, Wet, Rec. = 0.9 ft, Broken rock was within sample.	13	17.5	32.2	56.6	11.2
20		A-2-4, Sa, brn, Wet, Rec. = 1.1 ft, Added bentonite due to flowing sand.	6	27.1	1.1	82.8	16.1
20		A-2-4, SiSa, brn, Wet, Rec. = 1.3 ft, Added bentonite due to flowing sand.	5	25.0	3.7	70.5	25.8
30		A-4, GrSiSa, gry, Wet, Rec. = 1.3 ft, Broken rock was within sample. Field Note: Cored ahead and cleaned out casing.	27	16.9	24.6	39.0	36.4
30		A-2-4, SiGrSa, gry, Wet, Rec. = 0.7 ft, Broken rock was within sample.	12	17.3	23.8	54.7	21.5
40		A-4, SiSa, gry, Moist, Rec. = 1.3 ft Field Note: No Recovery	75	14.9	18.7	41.1	40.2
40		Field Note: No Recovery	R				
50		Dark gray, Amphibolite-Biotite Gneiss, Competent, Dip varies from 60 to 90, Very hard, Unweathered, NXMDC, 44.7 ft - 49.7 ft, Rec. = 4.8 ft	1	96	96		6 6 6 6 7 6 7 8
50		Dark gray, Amphibolite-Biotite Gneiss, Competent, Dip varies from 60 to 90, Very hard, Unweathered, NXMDC, 49.7 ft - 54.7 ft, Rec. = 5.0 ft Hole stopped @ 54.7 ft	2	100	96		7 7 6 7 8
		Top of Bedrock @ 44.7 ft					

ABUTMENT #1
ELEV. 523.00

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: BR-15 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					
10		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
20		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
30		A-1-b, SiSaGr, gry, Wet, Rec. = 1.6 ft	73	12.1	46.1	31.2	22.7
30		Field Class: Boulder					
30		Field Note: Seam					
30		Field Class: Boulder					
40		A-2-4, SiSaGr, gry, Wet, Rec. = 0.8 ft	R	12.6	36.8	34.7	28.5
40		A-2-4, SiSaGr, gry, Wet, Rec. = 0.3 ft	R	9.3	33.9	38.5	27.6
40		Gray, Biotite Gneiss, Competent, Very hard, Unweathered, NXMDC, 40.3 ft - 45.3 ft, Rec. = 4.75 ft	1	95	80	60	8 9 7 7 7 7 7 6 7 7
50		Gray, Biotite Gneiss, with occasional amphibolite stringers. Competent. Last 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 7 7 7 7 7 7 6 7 7
50		Drilling break., 46.5 ft - 46.8 ft Hole stopped @ 50.3 ft					20 10

LOG OF BORING BETHEL BR-15(14)GJL VT AOT:GOT 5/23/07

ABUTMENT #1
ELEV. 523.00

BORING LOG SHEET 1

PROJECT NAME: BETHEL
PROJECT NUMBER: BR-15(14)

FILE NAME: sfi6bor.dgn
PROJECT LEADER: M. EVANS-MONGEON
DESIGNED BY: S. SCRIBNER
BORING LOG SHEET 1

PLOT DATE: 20-MAY-2011
DRAWN BY: G. ROKES
CHECKED BY: S. SCRIBNER
SHEET 55 OF 148

BOTTOM OF FOOTING