



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

BORING NUMBER: B-1
SHEET 1 of 1
DATE STARTED: 9/27/05
DATE COMPLETED: 10/06/05

PROJECT NAME: EAST HAVEN
SITE NAME: VT.114
STATION: 97+12
OFFSET: 16.00
VTSPG: N 789689.4158 ft E 1799586.2334 ft

PROJECT NUMBER: BRF 0296(11)S
SITE NUMBER: BR.18
GROUND ELEVATION: 1018.39 ft
GROUNDWATER DEPTH: 7.7 ft 10/05/05
PROJECT PIN NUMBER: OOC162

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: PORTER

BORING RIG: LAG TRACK RIG w/AUTO HAMMER
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: CAA

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	ROD (%)	Dip (deg)	Drill Rate (min/ft)
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.8 ft, Sod was within sample.	3	10.9	36.2	43.4	20.4
		Boulders, 2.0 ft - 8.0 ft					
10		A-1-b, GrSa, blk, Moist, Rec. = 0.6 ft	11	33.9	24.8	58.1	17.1
		A-1-a, SaGr, blk, Moist, Rec. = 0.6 ft	43	10.1	66.1	27.1	6.8
		A-2-4, Sa, brn-gry, Moist, Rec. = 1.2 ft	18	15.5	19.1	61.8	19.1
		A-2-4, GrSiSa, brn, Moist, Rec. = 0.9 ft	18	15.1	24.9	46.1	29.0
		A-2-4, SiSa, brn, Moist, Rec. = 1.0 ft	58	17.1	19.2	55.8	25.0
20		A-2-4, GrSiSa, brn, Moist, Rec. = 1.5 ft	43	14.0	22.4	52.1	25.5
		A-1-b, GrSa, brn, Moist, Rec. = 2.0 ft	18	13.5	35.4	56.3	8.3
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.7 ft	36	13.5	31.4	47.4	21.2
		A-1-b, GrSiSa, brn, Moist, Rec. = 0.6 ft	22	18.1	20.5	57.7	21.8
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.6 ft	25	13.3	25.4	51.0	23.6
30		A-4, SaSi, brn, Moist, Rec. = 1.4 ft	15	24.8	0.7	36.2	63.1
		No Recovery, 30.0 ft - 32.0 ft	17				
		A-4, SiSa, brn, Moist, Rec. = 1.4 ft	18	18.4	11.0	49.8	39.2
40		Boulder, 38.0 ft - 40.0 ft					
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.7 ft	38	10.4	34.5	43.6	21.9
		Boulders, 42.0 ft - 46.0 ft					
		Top of Bedrock @ 46.0 ft					
50		Light gray, Micaceous Quartzite, Fair recovery, Very hard, Unweathered, NXMDC, 46.0 ft - 51.0 ft, Rec. = 3.0 ft	1	60	27		6 6 6 6
		Light gray, Micaceous Quartzite, Competent, Very hard, Unweathered, NXMDC, 51.0 ft - 56.0 ft, Rec. = 5.0 ft	2	100	92		5 5 6 5 6
		Hole stopped @ 56.0 ft					

LOG OF BORING EAST HAVEN BRF0296(11)S.GPJ VT.AOT.GDT 4/7/06



STATE OF VERMONT
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BORING NUMBER: B-2
 SHEET 1 of 1
 DATE STARTED: 10/10/05
 DATE COMPLETED: 10/12/05

PROJECT NAME: EAST HAVEN
 SITE NAME: VT.114
 STATION: 97+82
 OFFSET: -30.00
 VTSPG: N 789771.6832 ft E 1799571.7869 ft

PROJECT NUMBER: BRF 0296(11)S
 SITE NUMBER: BR.18
 GROUND ELEVATION: 1016.1 ft
 GROUNDWATER DEPTH: 5.0 ft 10/12/05
 PROJECT PIN NUMBER: OOC162

BORING CREW
 CREW CHIEF: TALLMAN
 DRILLER: TALLMAN
 LOGGER: PORTER

BORING RIG: LAG TRACK RIG w/AUTO HAMMER
 BORING TYPE: WASH BORE
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	ROD (%)	Dip (deg)	Drill Rate (min/ft)
10		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft	22	15.7	41.9	50.5	7.6
		Boulder, 7.0 ft - 9.0 ft					
10		A-1-b, GrSa, gry-brn, Moist, Rec. = 1.2 ft	54	18.4	37.3	51.1	11.6
		Boulder, 12.5 ft - 13.5 ft					
20		A-1-b, SiGrSa, brn, Moist, Rec. = 1.1 ft	16	15.1	24.4	53.1	22.5
20		A-2-4, SiSa, brn, Moist, Rec. = 0.8 ft	48	15.5	14.4	54.8	30.8
30		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft	9	19.6	0.7	72.3	27.0
30		A-4, SiSa, brn, Moist, Rec. = 1.2 ft	13	24.7	0.2	61.3	38.5
40		A-1-b, SiSaGr, brn, Moist, Rec. = 1.1 ft	37	12.0	40.6	35.2	24.2
40		Light gray, Micaceous Quartzite, Competent, Very hard, Unweathered, NXMDC, 39.0 ft - 44.0 ft, Rec. = 4.5 ft	1	90	85		5 6 7 6 6
50		Light gray, Micaceous Quartzite, NXMDC, 44.0 ft - 46.2 ft, Rec. = 4.9 ft	2	98	95	10	6 10 10 7 6
		Quartz vein, 46.2 ft - 47.1 ft Gray, Quartzose mica Schist, 47.1 ft - 49.0 ft					
50		Hole stopped @ 49.0 ft					
GEOLOGIST'S NOTES: 1. The Recovery for Run#2 represents the total for that Run. 2. The rock for Run#2 was Competent and Hard to Very Hard for all types.							

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