



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

BORING NUMBER: B-201  
SHEET 1 of 1  
DATE STARTED: 4/08/10  
DATE COMPLETED: 4/16/10

PROJECT NAME: MIDDLEBURY PROJECT NUMBER: RS 0174(8)  
SITE NAME: VT-125 SITE NUMBER: BR-13  
STATION: 14+19 GROUND ELEVATION: 536.57 ft  
OFFSET: 11.00 GROUNDWATER DEPTH: 18.1 ft 4/14/10  
VTSPG NAD83: N 536378.30 ft E 1486218.87 ft PROJECT PIN NUMBER: 78F217

BORING CREW BORING RIG: CME 45C SKID AUTO  
CREW CHIEF: GARROW BORING TYPE: WASH BORE  
DRILLER: GARROW SAMPLE TYPE: SPLIT BARREL  
LOGGER: MAHMUTOVIC CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
		Asphalt pavement, 0.0 ft - 0.5 ft					
		A-2-4, SISa, brn, Moist, Rec. = 1.3 ft	22	9.5	11.3	65.4	23.3
5		Cobbles, 4.0 ft - 7.0 ft, Cleaned out casing.					
		NXDC, Boulder, 7.2 ft - 10.2 ft, Rec. = 1.8 ft.					
10		NXDC, Cobbles, 10.2 ft - 11.2 ft, Rec. = 0.9 ft.					
		NXMDC, Cobbles, 11.2 ft - 13.2 ft, Rec. = 1.5 ft.					
15		13.2 ft - 15.0 ft, Advanced casing 13.2'-15.0'. Cleaned out casing to 15.0 ft.					
		NXDC, Cobbles, 15.0 ft - 17.0 ft, Rec. = 1.5 ft.					
		NXDC, Cobbles, 17.0 ft - 19.0 ft, Advanced casing.					
20		NXDC, Cobbles, 19.0 ft - 21.0 ft, Cleaned out casing.					
		Top of Bedrock @ 21.0 ft					
		White to buff, Vitreous Quartzite, with closely spaced iron stained jointing. Fair Rock, Very hard, Fresh Weathering, NXMDC, 21.0 ft - 24.0 ft, Rec. = 2.9 ft	1	97	60	10	10 13 14
25		Same as Run #1, NXMDC, 24.0 ft - 25.0 ft, Rec. = 0.4 ft	2	40	0	10	17
		Same as Run #1, NXMDC, 25.0 ft - 26.0 ft, Rec. = 0.2 ft	3	20	0	10	19
		Same as Run #1, NXMDC, 26.0 ft - 27.0 ft, Rec. = 1.0 ft	4	100	0	10	16
		Same as Run #1, NXMDC, 27.0 ft - 27.5 ft, Rec. = 0.4 ft	5	80	0	10	25
		Same as Run #1, NXMDC, 27.5 ft - 28.5 ft, Rec. = 1.0 ft	6	100	0	10	30
30		Same as Run #1, NXMDC, 28.5 ft - 31.5 ft, Rec. = 2.4 ft	7	80	33	10	10 17 20
		White to buff, Vitreous Quartzite, with closely spaced iron stained jointing. Thin Phyllitic zone at 32.3 feet. Fair Rock, Very hard, Fresh Weathering, NXMDC, 31.5 ft - 33.0 ft, Rec. = 1.5 ft	8	100	67	10	18 20
35		Same as Run #1, NXMDC, 33.0 ft - 36.0 ft, Rec. = 2.4 ft	9	80	56	10	13 17 30
		Same as Run #1, NXMDC, 36.0 ft - 37.0 ft, Rec. = 0.7 ft	10	70	0	10	15
		Same as Run #1, NXMDC, 37.0 ft - 38.5 ft, Rec. = 1.0 ft	11	67	0	10	20 20
40		White to buff, Vitreous Quartzite, with closely spaced iron stained jointing. Thin Phyllitic zone at 39.5 feet. Fair Rock, Very hard, Fresh Weathering, NXMDC, 38.5 ft - 40.5 ft, Rec. = 1.7 ft	12	85	55	10	17 10
		Hole stopped @ 40.5 ft					
45		DRILLER'S NOTES: 1. From 31.5 to 38.5 feet, the bit was changed five times.					

LOG OF BORING MIDDLEBURY RS 0174(8).GPJ VT AOT.GDT 5/6/10