



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

BORING NUMBER: B-201  
 SHEET 1 of 1  
 DATE STARTED: 6/02/08  
 DATE COMPLETED: 6/03/08

PROJECT NAME: WAITSFIELD  
 SITE NAME: VT.100  
 STATION: 21+88.00  
 OFFSET: -10.80  
 VTSPG: N 630499.04 ft E 1566045.93 ft

PROJECT NUMBER: TURNER CATTLE PASS  
 SITE NUMBER: TURNER FARM  
 GROUND ELEVATION: 642.52 ft  
 GROUNDWATER DEPTH: 4.3 ft 6/03/08  
 PROJECT PIN NUMBER: 07X508

BORING CREW  
 CREW CHIEF: GARROW  
 DRILLER: GARROW  
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE: SPLIT BARREL  
 CHECKED BY: CAA

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
				RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)		
Top of Well Elevation: 644.83 ft										
0.0 - 1.3		A-7-5, SiCl, brn-gry, Moist, Rec. = 1.3 ft		5	32.8	2.5	15.0	82.5	47	12
1.3 - 2.5		A-7-5, SiCl, gry, Moist, Rec. = 1.2 ft		5	32.8	4.5	17.5	78.0	43	11
2.5 - 4.1		A-4, ClSi, gry, Moist, Rec. = 1.1 ft		17	21.9	16.9	17.6	65.5	32	8
4.1 - 4.5		A-4, GrSiSa, gry, MTW, Rec. = 0.4 ft		R	22.3	26.0	38.3	35.7		
4.5 - 6.7		Light green, Actinolite-albite-epidote-calcite-chlorite schist (Greenstone), Moderately hard, Unweathered, NXDC, 6.7 ft - 8.2 ft, Rec. = 1.0 ft		1	67	0	75	15		
6.7 - 13.2		Same as Run #1, Competent, NXMDC, 8.2 ft - 13.2 ft, Rec. = 4.8 ft		2	96	96	75	15		
13.2 - 16.7		Same as Run #1, Competent, NXMDC, 13.2 ft - 16.7 ft, Rec. = 3.2 ft		3	91	91	75	10		
16.7 - 17.5		Hole stopped @ 16.7 ft						10		
17.5 - 22.5		DRILLER'S NOTES: 1. A Monitoring Well was installed to 5.8 ft. 2. Top of well casing is 2.4 ft above ground surface.								

LOG OF BORING - WAITSFIELD - TURNER CATTLE PASS.GPJ - VT.AOT.GDT - 9/2/08



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SUBSURFACE INFORMATION

BORING NUMBER: B-202  
SHEET 1 of 1  
DATE STARTED: 5/23/08  
DATE COMPLETED: 5/28/08

PROJECT NAME: WAITSFIELD  
SITE NAME: VT.100  
STATION: 21+04.64  
OFFSET: 11.50  
VTSPG: N 630500.58 ft E 1566109.02 ft

PROJECT NUMBER: TURNER CATTLE PASS  
SITE NUMBER: TURNER FARM  
GROUND ELEVATION: 637.04 ft  
GROUNDWATER DEPTH: 10.5 ft 5/28/08  
PROJECT PIN NUMBER: 07X508

BORING CREW  
CREW CHIEF: GARROW  
DRILLER: GARROW  
LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER  
BORING TYPE: WASH BORE  
SAMPLE TYPE: SPLIT BARREL  
CHECKED BY: CAA

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
				RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)		
Top of Well Elevation: 637.04 ft										
		A-1-b, SaGr, brn, Moist, Rec. = 0.9 ft	▽	14	4.2	51.5	34.6	13.9		
		A-1-a, SaGr, brn-gry, Moist, Rec. = 0.9 ft		19	11.4	64.7	29.5	5.8		
5		A-1-a, SaGr, brn-gry, MTW, Rec. = 0.6 ft		58	11.3	63.6	30.2	6.2		
		A-1-a, SaGr, brn-gry, MTW, Rec. = 0.9 ft		17	11.5	63.7	29.6	6.7		
		A-1-a, SaGr, gry, MTW, Rec. = 1.1 ft		21	11.5	57.2	33.9	8.9		
10		A-1-b, GrSa, brn-gry, MTW, Rec. = 0.7 ft		4	25.0	34.6	55.8	9.6		
		A-1-b, GrSa, brn-gry, Wet, Rec. = 0.8 ft		7	19.7	38.5	52.8	8.7		
15		A-1-a, SaGr, Wet, Rec. = 0.7 ft, After drying this material was a rusty/orange color.		16	12.5	57.7	35.6	6.7		
		Visual Classification, A-1-a, Sa Gr, gry, Wet, Rec. = 0.5 ft, Insufficient sample for testing.		32						
		A-4, Si, gry, MTW, Rec. = 0.4 ft		5	36.3	8.4	3.5	88.1	34	6
20		No Recovery, 20.0 ft - 22.0 ft		4						
25		A-4, Si, gry, MTW, Rec. = 1.7 ft		2	31.1	0.2	5.3	94.5		
30		A-1-b, SaGr, gry, MTW, Rec. = 1.4 ft		47	10.8	53.3	27.0	19.7		
		Top of Bedrock @ 32.5 ft								
35		Silvery to dark green, Quartz-muscovite-albite-chlorite-magnetite schist, with quartz veins. Competent., Moderately hard, Unweathered, NXMDC, 32.5 ft - 35.8 ft, Rec. = 2.7 ft	1	82	55	60	15			
		Same as Run# 1, Competent., NXMDC, 35.8 ft - 40.8 ft, Rec. = 4.4 ft	2	88	70	60	10			
40		Same as Run# 1, Competent., NXMDC, 40.8 ft - 42.8 ft, Rec. = 1.4 ft	3	70	65	60	10			
45		Hole stopped @ 42.8 ft								
		DRILLER'S NOTES: 1. A Monitoring Well was installed to 29.7 ft. 2. Top of well casing is at ground surface.								

LOG OF BORING WAITSFIELD TURNER CATTLE PASS.GPJ VT AOT.GDT 9/2/08