



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

BORING NUMBER: B-101  
 SHEET 1 of 1  
 DATE STARTED: 1/11/07  
 DATE COMPLETED: 1/16/07

PROJECT NAME: MONTGOMERY  
 SITE NAME: TH-25  
 STATION: 1+40.00  
 OFFSET: -7.00  
 VTSPG: N 863027.76 ft E 1602027.55 ft

PROJECT NUMBER: BHO 1448(37)  
 SITE NUMBER: BR-32  
 GROUND ELEVATION: 870.82 ft  
 GROUNDWATER DEPTH: No Water Found  
 PROJECT PIN NUMBER: 04J148

BORING CREW  
 CREW CHIEF: GARROW  
 DRILLER: GARROW  
 LOGGER: CARRIERE

BORING RIG: SMALL SKID RIG  
 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)
2.5		Visual Class: A-1-b, SaGr, brn, Moist, Rec. = 0.5 ft, Insufficient sample for testing.	6	12.7			
		Visual Class: A-1-b, SaGr, brn, Moist, Rec. = 0.5 ft, Insufficient sample for testing.	R	7.6			
		3.0 ft - 4.0 ft, BXDC, Cleaned out casing.					
5.0		Field Note: No Recovery, BXDC, Cleaned out casing.	7				
		A-1-b, SiGrSa, brn, MTW, Rec. = 0.6 ft, BXDC, Cleaned out casing.	4	24.3	36.0	39.0	25.0
7.5		A-2-4, SaGrSi, gry-brn, Moist, Rec. = 0.7 ft, BXDC, Cleaned out casing.	17	27.6	33.4	31.9	34.7
		Visual Class: Broken Rock, Rec. = 0.5 ft	66				
12.5		Visual Class: Broken Rock, Rec. = 0.2 ft	R	Top of Bedrock @ 12.2 ft			
		Gray complexly folded quartz rich schist with phyllite kink bands and scattered pyrite. Close to moderately closely spaced irregular jointing. Rock is fresh while joint surfaces are stained. Competent. Dip of foliation varies from 0 to 90 degees., Moderately hard, BXMDC, 12.2 ft - 17.2 ft, Rec. = 4.15 ft	1	83	68		9
15.0		Gray complexly folded quartz rich schist with phyllite kink bands and scattered pyrite. Close to moderately closely spaced irregular jointing. Rock is fresh while joint surfaces are stained. Competent. Dip of foliation varies from 0 to 90 degees., Moderately hard, BXMDC, 12.2 ft - 17.2 ft, Rec. = 4.15 ft					9
							7
17.5		Gray complexly folded quartz rich schist with phyllite kink bands and scattered pyrite. Close to moderately closely spaced irregular jointing. Rock is fresh while joint surfaces are stained. Competent. Dip of foliation varies from 0 to 90 degees., Moderately hard, BXMDC, 17.2 ft - 22.2 ft, Rec. = 4.9 ft					8
							9
20.0		Gray complexly folded quartz rich schist with phyllite kink bands and scattered pyrite. Close to moderately closely spaced irregular jointing. Rock is fresh while joint surfaces are stained. Competent. Dip of foliation varies from 0 to 90 degees., Moderately hard, BXMDC, 17.2 ft - 22.2 ft, Rec. = 4.9 ft					8
							9
22.5		Hole stopped @ 22.2 ft					8
							9

LOG OF BORING MONTGOMERY BHO 1448(37).GPJ VT AOT.GDT 3/26/07



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

BORING NUMBER: B-102  
SHEET 1 of 1  
DATE STARTED: 1/18/07  
DATE COMPLETED: 1/22/07

PROJECT NAME: MONTGOMERY  
SITE NAME: TH-25  
STATION: 1+53.00  
OFFSET: -6.00  
VTSPG: N 863040.56 ft E 1602032.53 ft

PROJECT NUMBER: BHO 1448(37)  
SITE NUMBER: BR-32  
GROUND ELEVATION: 868.76 ft  
GROUNDWATER DEPTH: No Water Found  
PROJECT PIN NUMBER: 04J148

BORING CREW  
CREW CHIEF: GARROW  
DRILLER: GARROW  
LOGGER: CARRIERE

BORING RIG: SMALL SKID RIG  
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)
0-6		A-2-4, GrSiSa, brn, Moist, Rec. = 1.3 ft	6	26.5	24.4	41.9	33.7
6-5		Field Note:, BXDC, Cleaned out casing.					
5-10		Field Class:, A-1-b, Sa Gr, brn, Moist, Rec. = 0.3 ft, Insufficient sample for testing.	15				
10-15		Classification:, Broken Rock with sand, gry, Dry, Rec. = 0.5 ft, Insufficient sample for testing.	23	9.1			
15-16		Classification:, Broken Rock material, brn, Moist, Rec. = 0.8 ft, BXDC, Cleaned out casing					
16-18		A-2-4, GrSa with Wood, brn, MTW, Rec. = 2.0 ft, High moisture content due to wood material within sample.	2	72.1	20.6	61.1	18.3
20-25		A-1-b, Sa with some Wood material, brn, MTW, Rec. = 0.5 ft, High moisture content due to wood material within sample.	WR	53.6	19.3	74.2	6.5
25-30		A-1-a, SaGr with little Wood material, gry-brn, MTW, Rec. = 0.8 ft	12	24.0	62.0	31.5	6.5
30-35		Field Class:, A-1-a, Gr, gry, Moist, Rec. = 0.1 ft, Insufficient sample for testing.	8	10.7			
35-38.3		Gray complexly folded quartz rich schist with phyllite kink bands and scattered pyrite. No significant jointing. Rock is fresh. Competent. Dip of foliation varies from 0-50 degees., Moderately hard, BXMDC, 33.3 ft - 38.3 ft, Rec. = 4.0 ft	1	80	78		13 9 9 10 10
38.3-40.3		No Recovery for Run #2. Equipment failure. Core barrel broke off in hole., 38.3 ft - 40.3 ft, Rec. = 0.0 ft	2	0			7 9
40.3		Hole stopped @ 40.3 ft					

LOG OF BORING MONTGOMERY BHO 1448(37).GPJ VT AOT.GDT 3/26/07

Top of Bedrock @ 33.3 ft



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

BORING NUMBER: B-103  
 SHEET 1 of 1  
 DATE STARTED: 2/12/07  
 DATE COMPLETED: 2/20/07

PROJECT NAME: MONTGOMERY  
 SITE NAME: TH-25  
 STATION: 2+19.00  
 OFFSET: -6.00  
 VTSPG: N 863099.20 ft E 1602066.06 ft

PROJECT NUMBER: BHO 1448(37)  
 SITE NUMBER: BR-32  
 GROUND ELEVATION: 870.74 ft  
 GROUNDWATER DEPTH: 5.5 ft 2/21/07  
 PROJECT PIN NUMBER: 04J148

BORING CREW  
 CREW CHIEF: GARROW  
 DRILLER: GARROW  
 LOGGER: CARRIERE

BORING RIG: SMALL SKID RIG  
 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)
2.5		Field Note: BXDC, Cleaned out casing. Classification: A-2-4, Si Gr, brn, Moist, Rec. = 0.6 ft, Insufficient sample for testing.	R	13.0			
5.0		Field Note: BXDC, Cleaned out casing. Classification: A-2-4, Si Gr, brn, Moist, Rec. = 0.9 ft, Insufficient sample for testing.	29	23.9			
6.2		Field Class: Broken Rock, Rec. = 0.2 ft	R	Top of Bedrock @ 6.2 ft			
7.5		Gray complexly folded quartz rich schist with phyllite kink bands. Rock is fresh. Competent. Dip of foliation varies from 20 to 90 degees., Moderately hard, BXMDC, 6.2 ft - 11.2 ft, Rec. = 4.7 ft	1	94	94		6
10.0							6
							8
							8
							5
12.5		Hole stopped @ 11.2 ft					
15.0							
17.5							

LOG OF BORING MONTGOMERY BHO 1448(37).GPJ VT AOT.GDT 3/26/07



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

BORING NUMBER: B-104  
 SHEET 1 of 1  
 DATE STARTED: 2/06/07  
 DATE COMPLETED: 2/06/07

PROJECT NAME: MONTGOMERY  
 SITE NAME: TH-25  
 STATION: 2+27.00  
 OFFSET: -12.00  
 VTSPG: N 863110.43 ft E 1602068.49 ft

PROJECT NUMBER: BHO 1448(37)  
 SITE NUMBER: BR-32  
 GROUND ELEVATION: 871.54 ft  
 GROUNDWATER DEPTH: Hole caved in  
 PROJECT PIN NUMBER: 04J148

BORING CREW  
 CREW CHIEF: GARROW  
 DRILLER: GARROW  
 LOGGER: CARRIERE

BORING RIG: SMALL SKID RIG  
 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)
2.5							
		Field Note: BXDC, Cleaned out casing.					
5.0		Field Note: Ice, No soil recovery., BXDC, Cleaned out casing.	7				
					Top of Bedrock @ 7.0 ft		
7.5		Gray complexly folded quartz rich schist with phyllite kink bands. Moderately spaced irregular jointing. Rock is fresh while jointing is stained. Competent. Dip of foliation varies from 20 to 90 degees., Moderately hard, BXMDC, 7.0 ft - 12.0 ft, Rec. = 4.8 ft	1	96	77		5
							5
							7
							7
							6
12.5		Gray complexly folded quartz rich schist with phyllite kink bands. Rock is fresh. Competent. Dip of foliation varies from 20 to 90 degees., Moderately hard, BXMDC, 12.0 ft - 17.0 ft, Rec. = 5.0 ft	2	100	100		6
							7
							9
							10
							8
17.5		Hole stopped @ 17.0 ft					
		DRILLER'S NOTES: 1. Hole caved in at 6.0 feet.					

LOG OF BORING MONTGOMERY BHO 1448(37).GPJ VT AOT.GDT 3/26/07



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

BORING NUMBER: B-105  
 SHEET 1 of 1  
 DATE STARTED: 1/31/07  
 DATE COMPLETED: 2/01/07

PROJECT NAME: MONTGOMERY  
 SITE NAME: TH-25  
 STATION: 1+47.07  
 OFFSET: -6.60  
 VTSPG: N 863034.77 ft E 1602030.00 ft

PROJECT NUMBER: BHO 1448(37)  
 SITE NUMBER: BR-32  
 GROUND ELEVATION: 868.83 ft  
 GROUNDWATER DEPTH: Hole caved in  
 PROJECT PIN NUMBER: 04J148

BORING CREW  
 CREW CHIEF: GARROW  
 DRILLER: GARROW  
 LOGGER: CARRIERE

BORING RIG: SMALL SKID RIG  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE:  
 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)
0 to 18.5	[Cross-hatched symbol]	No samples taken. BXDC, Cleaned out casing., 0.0 ft - 18.5 ft					
18.5	[Diagonal line symbol]	Gray complexly folded quartz rich schist with phyllite kink bands and scattered pyrite. Not competent. Due to poor recovery, dip of foliation difficult to determine., Moderately hard, Moderately weathered, BXDC, 18.5 ft - 20.0 ft, Rec. = 0.4 ft	1	27	0	?	8
20.0	[Diagonal line symbol]	Gray complexly folded quartz rich schist with phyllite kink bands and scattered pyrite. Upper 1.5' of rock is slightly to moderately weathered. Unweathered from 21.5' to bottom of core run. Dip of foliation varies from 0-90 degees. Competent below 21.5' ., Moderately hard, BXMDC, 20.0 ft - 25.0 ft, Rec. = 4.8 ft	2	96	80		5
21.5							5
22.0							4
22.5							5
23.0							5
25.0		Hole stopped @ 25.0 ft					
DRILLER'S NOTES: 1. Per order, no soil samples were taken. 2. Hole caved in at 13.2 feet.							

LOG OF BORING MONTGOMERY BHO 1448(37).GPJ VT AOT.GDT 3/26/07

Top of Bedrock @ 18.5 ft