



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

BORING NUMBER: B-101  
 SHEET 1 of 1  
 DATE STARTED: 8/03/07  
 DATE COMPLETED: 8/03/07

PROJECT NAME: MONTGOMERY  
 SITE NAME: TH-27  
 STATION: 50+89.22  
 OFFSET: 25.03  
 VTSPG: N 859733.67 ft E 1611131.39 ft

PROJECT NUMBER: BHO 1448(23)  
 SITE NUMBER: BR-34  
 GROUND ELEVATION: 597.72 ft  
 GROUNDWATER DEPTH: 3.1 ft 8/03/07  
 PROJECT PIN NUMBER: 96J302

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

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 (%)
		A-1-b, SiSaGr, brn, Moist, Rec. = 0.8 ft	2	30.2	42.4	35.3	22.3
2.5		A-1-b, SaGr, brn, Moist, Rec. = 1.1 ft	8	19.2	56.4	27.0	16.6
5.0		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft	16	15.4	33.0	54.2	12.8
7.5		A-1-a, SaGr, brn, Moist, Rec. = 1.2 ft	51	10.2	65.9	25.8	8.3
10.0		Field Class., Cobbles, BXMDC, Cleaned out casing.					
		A-2-4, SiSa, brn, Moist, Rec. = 1.0 ft	6	21.9	5.5	66.1	28.4
12.5		Hole stopped @ 12.0 ft					
15.0							
17.5							

LOG OF BORING MONTGOMERY BHO 1448(23).GPJ VT AOT.GDT 10/30/07



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BORING NUMBER: B-102  
 SHEET 1 of 1  
 DATE STARTED: 7/26/07  
 DATE COMPLETED: 7/26/07

PROJECT NAME: MONTGOMERY  
 SITE NAME: TH-27  
 STATION: 51+00.90  
 OFFSET: 31.99  
 VTSPG: N 859715.95 ft E 1611139.70 ft

PROJECT NUMBER: BHO 1448(23)  
 SITE NUMBER: BR-34  
 GROUND ELEVATION: 597.18 ft  
 GROUNDWATER DEPTH: 3.0 ft 7/26/07  
 PROJECT PIN NUMBER: 96J302

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

BORING RIG: SMALL SKID RIG  
 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 (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
0.0 - 0.6		A-2-4, GrSiSa, brn, Moist, Rec. = 0.6 ft	3	44.0	29.9	38.1	32.0
0.6 - 2.1		A-1-b, SiSaGr, brn, MTW, Rec. = 1.6 ft	14	24.2	46.5	33.1	20.4
2.1 - 6.0		No Recovery, 4.0 ft - 6.0 ft	18				
6.0 - 7.2		A-4, Si, gry, Moist, Rec. = 1.2 ft	14	26.3	3.6	6.2	90.2
7.2 - 8.7		A-4, Si, gry, Moist, Rec. = 1.5 ft	13	29.8	2.9	7.7	89.4
8.7 - 9.9		Gray, Quartz Schist, Iron stained on bottom surface. Possible Boulder., Very hard, BXMDC, 9.9 ft - 10.9 ft, Rec. = 0.65 ft	1	65		5	36
9.9 - 10.9		Drilling break., 10.9 ft - 11.9 ft					
10.9 - 11.9		Gray, Graphitic quartz-albite-sericite-chlorite schist, with quartzite layers. Possible top of bedrock. Insufficient sample length to make competency determination., Hard, Unweathered, 11.9 ft - 13.9 ft			35	40	18
11.9 - 13.9		Hole stopped @ 13.9 ft					15
13.9 - 15.0							
15.0 - 17.5							

LOG OF BORING - MONTGOMERY BHO 1448(23).GPJ VT AOT.GBT 10/30/07



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BORING NUMBER: B-103  
 SHEET 1 of 1  
 DATE STARTED: 7/24/07  
 DATE COMPLETED: 7/25/07

PROJECT NAME: MONTGOMERY  
 SITE NAME: TH-27  
 STATION: 51+25.11  
 OFFSET: 29.38  
 VTSPG: N 859706.95 ft E 1611176.89 ft

PROJECT NUMBER: BHO 1448(23)  
 SITE NUMBER: BR-34  
 GROUND ELEVATION: 594.52 ft  
 GROUNDWATER DEPTH: 3.0 ft 7/25/07  
 PROJECT PIN NUMBER: 96J302

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

BORING RIG: SMALL SKID RIG  
 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 (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
2.5		A-2-4, GrSiSa, brn, Moist, Rec. = 0.8 ft	4	23.2	24.2	46.2	29.6
		A-1-b, SaGr, brn, Moist, Rec. = 1.2 ft, Broken rock was within sample.	5	16.6	57.6	27.2	15.2
Top of Bedrock @ 4.1 ft							
5.0		Gray, Quartz-albite-sericite-chlorite schist, with quartzite layers. Competent, Hard, Unweathered, BXMDC, 4.1 ft - 9.1 ft, Rec. = 4.65 ft	1	93	85	40	3
							6
							6
							8
							8
10.0		Gray, Quartz-albite-sericite-chlorite schist, with quartzite layers. Competent. Stained jointing at 11.0 ft., Hard, Unweathered, BXMDC, 9.1 ft - 14.1 ft, Rec. = 5.0 ft	2	100	85	40	10
							10
							6
							7
12.5						9	
15.0	Hole stopped @ 14.1 ft						
17.5							

LOG OF BORING MONTGOMERY BHO 1448(23).GPJ VT AOT.GBT 10/30/07



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BORING NUMBER: B-104  
 SHEET 1 of 1  
 DATE STARTED: 7/19/07  
 DATE COMPLETED: 7/19/07

PROJECT NAME: MONTGOMERY  
 SITE NAME: TH-27  
 STATION: 51+30.50  
 OFFSET: 10.03  
 VTSPG: N 859721.05 ft E 1611191.91 ft

PROJECT NUMBER: BHO 1448(23)  
 SITE NUMBER: BR-34  
 GROUND ELEVATION: 592.82 ft  
 GROUNDWATER DEPTH: 6.8 ft 7/19/07  
 PROJECT PIN NUMBER: 96J302

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

BORING RIG: LARGE SKID 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 (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft	3	11.1	45.1	43.2	11.7
2.5		Field Note, No Recovery. Appears to be sand.	3				
5.0		Field Note, No Recovery. Stone in sampler.	4				
7.5		Visual Classification, A-2-4, Si Gr, brn, Moist, Rec. = 0.2 ft, Insufficient sample for testing.	2	16.7			
		Visual Classification, A-2-4, Si Sa Gr, brn, Moist, Rec. = 0.6 ft, Insufficient sample for testing.	R	10.9			
10.0		Gray, Graphitic quartz-albite-sericite-chlorite schist, with quartzite layers. Competent. Stained jointing at 11.0 ft. and at 13.2 ft., Hard, Unweathered, BXMDC, 9.2 ft - 14.2 ft, Rec. = 4.3 ft	1	86	72	40	4
12.5							5
							5
15.0							4
							5
17.5							5
							5
		Hole stopped @ 19.2 ft					

LOG OF BORING MONTGOMERY BHO 1448(23).GPJ VT AOT.GBT 10/30/07

Top of Bedrock @ 9.2 ft



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BORING NUMBER: B-105  
 SHEET 1 of 1  
 DATE STARTED: 7/20/07  
 DATE COMPLETED: 7/20/07

PROJECT NAME: MONTGOMERY  
 SITE NAME: TH-27  
 STATION: 52+22.98  
 OFFSET: 16.03  
 VTSPG: N 859724.59 ft E 1611285.01 ft

PROJECT NUMBER: BHO 1448(23)  
 SITE NUMBER: BR-34  
 GROUND ELEVATION: 592.54 ft  
 GROUNDWATER DEPTH: 5.9 ft 7/20/07  
 PROJECT PIN NUMBER: 96J302

BORING CREW  
 CREW CHIEF: GARROW  
 DRILLER: GARROW  
 LOGGER: WERNER

BORING RIG: LARGE SKID 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 (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
		A-1-a, SaGr, brn, Moist, Rec. = 0.4 ft		4.0	50.8	40.1	9.1
		Seated casing in bedrock., 0.4 ft - 1.0 ft					
2.5		Gray, Graphitic quartz-albite-sericite-chlorite schist, with quartzite layers. Slightly weathered overall with moderate weathering from 1.0 ft. to 2.0 ft. Competent., Hard, BXMDC, 1.0 ft - 6.0 ft, Rec. = 4.85 ft	1	97	90	40	4
5.0							4
7.5		Gray, Graphitic quartz-albite-sericite-chlorite schist, with quartzite layers. Slightly weathered at 7.2 ft. Remainder of run unweathered. Competent., Hard, BXMDC, 6.0 ft - 11.0 ft, Rec. = 4.95 ft	2	99	93	40	3
							4
							4
10.0							4
							5
		Hole stopped @ 11.0 ft					

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