



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

BORING NUMBER: B-01  
 SHEET 1 of 1  
 DATE STARTED: 6/20/03  
 DATE COMPLETED: 6/23/03

PROJECT NAME: BARTON (ORLEANS)  
 SITE NAME: BR 61  
 STATION: 6+02.00  
 OFFSET: -23.00  
 VTSPG: N 842809.85 ft E 1719778.91 ft

PROJECT NUMBER: BRO 1449 (29)  
 SITE NUMBER: TH 3  
 GROUND ELEVATION: 739.13 ft  
 GROUNDWATER DEPTH:  
 PROJECT PIN NUMBER: 01J168

BORING CREW  
 CREW CHIEF: TALLMAN  
 DRILLER: TALLMAN  
 LOGGER: RUSSELL

BORING RIG: SMALL SKID RIG  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE: SPLIT BARREL  
 CHECKED BY:

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	ROD (%)	Dip (deg)	Drill Rate (min/ft)
5		A-1-b, GrSa, brn, Moist, Rec. = 0.6 ft	3	17.3	27.5	52.8	19.7
		A-2-4, SiSa, brn, Moist, Rec. = 0.8 ft	3	15.7	8.9	69.7	21.4
		A-1-b, SiSaGr, brn, Moist, Rec. = 0.4 ft	3	16.9	41.5	34.8	23.7
				Top of Bedrock @ 5.75 ft			
10		Light gray, Meta-Limestone, Competent, Moderately hard, Unweathered, NXMDC, 5.75 ft - 10.75 ft, Rec. = 4.75 ft	1	95	88	50	
15		Light gray, Meta-Limestone, Competent, Moderately hard, Unweathered, NXMDC, 10.75 ft - 15.75 ft, Rec. = 5.0 ft	2	100	100	50	
		Hole stopped @ 15.75 ft					

LOG OF BORING BARTON(ORLEANS)GRJ VT ADT.GDT 8/28/06



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BORING NUMBER: B-02  
 SHEET 1 of 1  
 DATE STARTED: 7/30/03  
 DATE COMPLETED: 7/30/03

PROJECT NAME: BARTON (ORLEANS)  
 SITE NAME: BR 61  
 STATION: 6+03.00  
 OFFSET: -3.00  
 VTSPG: N 842801.40 ft E 1719797.05 ft

PROJECT NUMBER: BRO 1449 (29)  
 SITE NUMBER: TH 3  
 GROUND ELEVATION: 743.78 ft  
 GROUNDWATER DEPTH:  
 PROJECT PIN NUMBER: 01J168

BORING CREW  
 CREW CHIEF: TALLMAN  
 DRILLER: TALLMAN  
 LOGGER: RUSSELL

BORING RIG: LARGE SKID RIG  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE: SPLIT BARREL  
 CHECKED BY:

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		0.0 ft - 0.35 ft, Asphalt					
4.0		4.0 ft - 5.0 ft, NXGDC, Broken Rock & Concrete, Cleaned out casing.					
5		A-1-b, GrSa, gry, Moist, Rec. = 0.8 ft	14	11.6	31.2	54.4	14.4
		A-2-4, Sa, brn, Moist, Rec. = 0.9 ft		9.3	1.1	80.8	18.1
10		Gray, Phyllite, Poor RQD, Moderately soft, Moderately weathered, NXMDC, 10.0 ft - 14.0 ft, Rec. = 2.9 ft	1	73	0	35	
15		Light gray, Meta-Limestone, with 0.6" thick quartz vein, Fair competency, Moderately to very hard, Unweathered, NXMDC, 14.0 ft - 16.0 ft, Rec. = 1.6 ft	2	80	40		
		Light gray, Meta-Limestone, grading to phyllite, Fair competency, Moderately hard to moderately soft, Moderately weathered, NXMDC, 16.0 ft - 20.0 ft, Rec. = 3.6 ft	3	90	30		
20		Hole stopped @ 20.0 ft					

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BORING NUMBER: B-03  
 SHEET 1 of 1  
 DATE STARTED: 6/30/03  
 DATE COMPLETED: 7/03/03

PROJECT NAME: BARTON (ORLEANS)  
 SITE NAME: BR 61  
 STATION: 6+07.00  
 OFFSET: 15.00  
 VTSPG: N 842796.73 ft E 1719814.92 ft

PROJECT NUMBER: BRO 1449 (29)  
 SITE NUMBER: TH 3  
 GROUND ELEVATION: 739.08 ft  
 GROUNDWATER DEPTH:  
 PROJECT PIN NUMBER: 01J168

BORING CREW  
 CREW CHIEF: TALLMAN  
 DRILLER: TALLMAN  
 LOGGER: RUSSELL

BORING RIG: SMALL SKID RIG  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE: SPLIT BARREL  
 CHECKED BY:

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	ROD (%)	Dip (deg)	Drill Rate (min/ft)
5		BXDC, Cleaned out casing, 4.5 ft - 5.0 ft					
		A-3, Sa with Trace of Organics, gry, Moist, Rec. = 0.4 ft, Sample tested 2.2% Organic	2	25.1	6.2	87.4	6.4
10		A-2-4, GrSa, gry, Moist, Rec. = 0.9 ft, Sample had a strong creosote odor.	11	10.7	29.0	58.9	12.1
		NXMDC, Broke through granite Boulder, 12.5 ft - 13.75 ft					
15		Light gray, Meta-Limestone, Slight weathering along joint surfaces, Competent, Moderately hard, NXMDC, 14.8 ft - 19.8 ft, Rec. = 4.9 ft	1	98	78	50	
		Top of Bedrock @ 14.8 ft					
20		Light gray, Meta-Limestone, Slight weathering along joint surfaces, Competent, Moderately hard, NXMDC, 19.8 ft - 24.8 ft, Rec. = 4.3 ft	2	86	86	50	
25		Hole stopped @ 24.8 ft					

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BORING NUMBER: B-04  
 SHEET 1 of 1  
 DATE STARTED: 7/08/03  
 DATE COMPLETED: 7/10/03

PROJECT NAME: BARTON (ORLEANS)  
 SITE NAME: BR 61  
 STATION: 5+76.00  
 OFFSET: 15.00  
 VTSPG: N 842769.19 ft E 1719800.54 ft

PROJECT NUMBER: BRO 1449 (29)  
 SITE NUMBER: TH 3  
 GROUND ELEVATION: 739.21 ft  
 GROUNDWATER DEPTH:  
 PROJECT PIN NUMBER: 01J168

BORING CREW  
 CREW CHIEF: RUSSELL  
 DRILLER: RUSSELL  
 LOGGER: GARROW

BORING RIG: SMALL SKID RIG  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE: SPLIT BARREL  
 CHECKED BY:

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	ROD (%)	Dip (deg)	Drill Rate (min/ft)
5		A-1-b, SiGrSa, gry, Moist, Rec. = 1.0 ft	9	25.8	27.0	51.7	21.3
10		Visual Class: Broken Weathered Rock, gry, Moist, Rec. = 1.1 ft, 10.0 ft - 12.0 ft	39	23.6			
					Top of Bedrock @ 13.0 ft		
15		Light gray, Meta-Limestone, with phyllite and quartz veins, Competent, Moderately soft to very hard, Slightly weathered, NXMDC, 13.0 ft - 16.75 ft, Rec. = 3.5 ft	1	93	66	30	
		Light gray, Meta-Limestone, Competent, Moderately hard, Unweathered, NXMDC, 16.75 ft - 21.75 ft, Rec. = 5.0 ft	2	100	74	35	
20							
		Light gray, Meta-Limestone, Competent, Moderately hard, Unweathered, NXMDC, 21.75 ft - 25.25 ft, Rec. = 3.5 ft	3	100	88	35	
25		Hole stopped @ 25.25 ft					

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BORING NUMBER: B-05  
 SHEET 1 of 1  
 DATE STARTED: 7/18/03  
 DATE COMPLETED: 7/24/03

PROJECT NAME: BARTON (ORLEANS)  
 SITE NAME: BR 61  
 STATION: 7+13.00  
 OFFSET: -20.00  
 VTSPG: N 842906.57 ft E 1719832.82 ft

PROJECT NUMBER: BRO 1449 (29)  
 SITE NUMBER: TH 3  
 GROUND ELEVATION: 737.31 ft  
 GROUNDWATER DEPTH:  
 PROJECT PIN NUMBER: 01J168

BORING CREW  
 CREW CHIEF: TALLMAN  
 DRILLER: TALLMAN  
 LOGGER: RUSSELL

BORING RIG: SMALL SKID RIG  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE: SPLIT BARREL  
 CHECKED BY:

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	ROD (%)	Dip (deg)	Drill Rate (min/ft)
5		A-1-b, SaGr, brn, Moist, Rec. = 0.25 ft	2	12.2	47.9	43.8	8.3
10		No sample, Boulders, 9.0 ft - 18.0 ft					
18.0		Top of Bedrock @ 18.0 ft					
20		Gray, Phyllitic Slate, grading to light gray Meta-Limestone, Competent, Moderately soft, Unweathered, NXMDC, 18.0 ft - 23.0 ft, Rec. = 5.0 ft	1	100	95	75	
25		Light gray, Meta-Limestone, Competent, Moderately hard, Unweathered, NXMDC, 23.0 ft - 26.7 ft, Rec. = 5.0 ft	2	100	94	45	
28.0		Gray, Phyllite, with quartz veins, Competent, Moderately hard to moderately soft, Unweathered, 26.7 ft - 28.0 ft					
		Hole stopped @ 28.0 ft					

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BORING NUMBER: B-06  
 SHEET 1 of 1  
 DATE STARTED: 7/15/03  
 DATE COMPLETED: 7/17/03

PROJECT NAME: BARTON (ORLEANS)  
 SITE NAME: BR 61  
 STATION: 7+17.00  
 OFFSET: 16.00  
 VTSPG: N 842893.72 ft E 1719866.72 ft

PROJECT NUMBER: BRO 1449 (29)  
 SITE NUMBER: TH 3  
 GROUND ELEVATION: 738.99 ft  
 GROUNDWATER DEPTH:  
 PROJECT PIN NUMBER: 01J168

BORING CREW  
 CREW CHIEF: TALLMAN  
 DRILLER: TALLMAN  
 LOGGER: RUSSELL

BORING RIG: SMALL SKID RIG  
 BORING TYPE: WASH BORE  
 SAMPLE TYPE: SPLIT BARREL  
 CHECKED BY:

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
5		A-1-b, SiSa, brn, Moist, Rec. = 0.9 ft	14		19.1	58.9	22.0
10		A-4, SiSa, gry, Moist, Rec. = 1.5 ft	5		10.9	47.6	41.5
15		Light gray, Meta-Limestone, Poor recovery, Poor RQD, Moderately hard, NXMDC, 14.0 ft - 19.0 ft, Rec. = 1.0 ft	1	20	12		
20		Light gray, Meta-Limestone, Competent, Moderately hard, Unweathered, NXMDC, 19.0 ft - 24.0 ft, Rec. = 4.8 ft	2	96	88		
25		Light gray, Meta-Limestone, Competent, Moderately hard, Unweathered, NXMDC, 24.0 ft - 28.0 ft, Rec. = 4.0 ft	3	100	98		
		Hole stopped @ 28.0 ft					

Top of Bedrock @ 14.0 ft

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