



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

BORING LOG

JAMAICA  
ER-BRF 015-1(23)  
VT-30 BR-19

Boring No.: B-201  
Page No.: 1 of 1  
Pin No.: 11B316  
Checked By: CEE

Boring Crew: GARROW, SALISBURY, PORTER  
Date Started: 11/30/11 Date Finished: 12/01/11  
VTSPG NAD83: N 218670.70 ft E 1565101.60 ft  
Station: \_\_\_\_\_ Offset: \_\_\_\_\_  
Ground Elevation: 729.9 ft

Casing: WB  
Sampler: SS  
Type: WB  
I.D.: 4 in  
Hammer Wt: N.A.  
Hammer Fall: N.A.  
Hammer/Rod Type: Auto/AWJ  
Rig: CME 45C SKID  
CE = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
12/01/11	13.5	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)				
						Moisture Content %	Gravel %	Sand %	Fines %	
5		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft				6-9-6-6 (15)	9.0	39.9	46.6	13.5
		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft				7-6-3-4 (9)	14.7	39.7	41.4	18.9
10		Lab Note, Lots of broken Concrete was within sample., gry-brn, Moist, Rec. = 0.8 ft				6-22-15-25 (37)	7.0	70.6	23.5	5.9
		Field Note:, NXDC, Boulder				5-6-4-4 (10)	26.2	27.3	55.5	17.2
15		A-2-4, GrSa with Wood & Roots, brn, Wet, Rec. = 0.5 ft				4-4-4-6 (8)	8.0			
		Visual Classification, Broken Rock with little sand, brn, Moist, Rec. = 0.5 ft								
20		Field Note:, NXDC, Cobbles & Gravel				10-13-16-15 (29)	11.1	47.8	32.7	19.5
		A-1-b, SaGr, gry, Moist, Rec. = 1.0 ft				5-15-18-30 (33)	10.1	53.3	33.5	13.2
25		A-1-b, SaGr, gry, Moist, Rec. = 0.8 ft				42-R@3.5"	11.2	43.7	40.5	15.8
		A-1-b, SaGr, brn-gry, Moist, Rec. = 0.8 ft				7-14-13-12 (27)	13.3	39.9	39.6	20.5
30		A-1-b, SiSaGr, gry, Moist, Rec. = 0.9 ft				9-18-R@5.0"	14.8	16.1	40.9	43.0
		Lab Note, Sample had very severely weathered rock that turned into fines with pressure applied., grn-brn, Moist, Rec. = 1.1 ft				R@5.0"	13.1	3.3	66.0	30.7
35		Lab Note, Mostly very severely weathered rock that turned into fines with pressure applied., red-gry, Moist, Rec. = 0.4 ft				R@2.5"	9.6	54.8	33.9	11.3
		Lab Note, SaGr, gry-blk, Moist, Rec. = 0.2 ft, Very severely Weathered Rock was within sample.				1 (30)	84 (60)	5	Top of Bedrock @ 30.2 ft	
40		30.2 ft - 35.2 ft, Gray, Biotite Schist, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 62				6				
		35.2 ft - 40.2 ft, Gray, Biotite Schist, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 62				2 (30)	84 (72)	4		
Hole stopped @ 40.2 ft										

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor.  
3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BORING LOG 2 JAMAICA ER-BRF 015-1(23).GPJ VERMONT AOT.GDT 1/6/12



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BORING LOG

JAMAICA  
ER-BRF 015-1(23)  
VT-30 BR-19

Boring No.: B-202  
Page No.: 1 of 1  
Pin No.: 11B316  
Checked By: CEE

Boring Crew: GARROW, SALISBURY, PORTER  
Date Started: 11/29/11 Date Finished: 11/30/11  
VTSPG NAD83: N 218620.10 ft E 1564952.10 ft  
Station: \_\_\_\_\_ Offset: \_\_\_\_\_  
Ground Elevation: 735.8 ft

Casing: \_\_\_\_\_ Sampler: \_\_\_\_\_  
Type: WB SS  
I.D.: 4 in 1.5 in  
Hammer Wt: N.A. 140 lb.  
Hammer Fall: N.A. 30 in.  
Hammer/Rod Type: Auto/AWJ  
Rig: CME 45C SKID CE = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
11/30/11	7.0	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)				
						Moisture Content %	Gravel %	Sand %	Fines %	
5		A-1-a, SaGr, brn, MTW, Rec. = 0.8 ft				5-20-30-25 (50)	9.5	58.3	33.8	7.9
		Field Note:, NXDC, Cobbles & Gravel A-1-a, SaGr, gry, Moist, Rec. = 0.4 ft				6-6-3-3 (9)				
10		Field Note:, NXDC, Gravel & Sand Visual Classification, Broken Rock, brn-gry, Moist, Rec. = 0.2 ft, Insufficient sample for testing.				2-1-2-3 (3)				
		Field Note:, NXDC, Boulder & Cobbles A-1-a, SaGr, gry, Moist, Rec. = 0.6 ft				7-7-7-9 (14)				
20		18.6 ft - 23.6 ft, Light gray, Quartzite, with zones of large porphyroblasts of plagioclase feldspar. Very hard, Unweathered, Good rock, NXMDC, RMR = 62	1 (40)	90 (68)	4	Top of Bedrock @ 18.6 ft				
					5					
					5					
					5					
25		23.6 ft - 28.6 ft, Light gray, Quartzite, with zones of large porphyroblasts of plagioclase feldspar. Very hard, Unweathered, Fair rock, NXMDC, RMR = 49	2 (40)	100 (40)	5					
					4					
					4					
					10					
30		Hole stopped @ 28.6 ft								

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
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BORING LOG 2 JAMAICA ER-BRF 015-1(23) GPJ VERMONT AOT.GDT 1/6/12



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BORING LOG

JAMAICA  
 ER-BRF 015-1(23)  
 VT-30 BR-19

Boring No.: B-203  
 Page No.: 1 of 1  
 Pin No.: 11B316  
 Checked By: CEE

Boring Crew: GARROW, SALISBURY, PORTER  
 Date Started: 12/02/11 Date Finished: 12/03/11  
 VTSPG NAD83: N 218603.90 ft E 1564956.10 ft  
 Station: \_\_\_\_\_ Offset: \_\_\_\_\_  
 Ground Elevation: 735.7 ft

Casing: \_\_\_\_\_ Sampler: \_\_\_\_\_  
 Type: WB SS  
 I.D.: 4 in 1.5 in  
 Hammer Wt: N.A. 140 lb.  
 Hammer Fall: N.A. 30 in.  
 Hammer/Rod Type: Auto/AWJ  
 Rig: CME 45C SKID CE = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
		Not taken.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		Field Class., Coarse Gravel					
		Field Note., NXDC, Cobbles					
		Field Class., Coarse Gravel					
		Field Class., Sandy Gravel, Old Ground at 15.0 ft.					
		Field Note., NXDC, Cobbles					
15		Field Class., Silty Sand					
20		Field Note., NXDC, Cobbles					
25		Hole stopped @ 21.8 ft Possible Bedrock.					
30							
35							

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 VT-30 BR-19

Boring No.: B-204  
 Page No.: 1 of 1  
 Pin No.: 11B316  
 Checked By: CEE

Boring Crew: GARROW, SALISBURY  
 Date Started: 12/13/11 Date Finished: 12/14/11  
 VTSPG NAD83: N 218686.10 ft E 1565106.80 ft  
 Station: \_\_\_\_\_ Offset: \_\_\_\_\_  
 Ground Elevation: 731.9 ft

Casing: \_\_\_\_\_ Sampler: \_\_\_\_\_  
 Type: WB  
 I.D.: 4 in  
 Hammer Wt: N.A. N.A.  
 Hammer Fall: N.A. N.A.  
 Hammer/Rod Type: \_\_\_\_\_  
 Rig: CME 45C SKID CE = \_\_\_\_\_

Groundwater Observations		
Date	Depth (ft)	Notes
12/14/11	14.2	Casing Pulled.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-1		Field Class., SaGr					
1-2		Field Class., Cobbles					
2-3		Field Class., GrSa					
3-4		Field Class., NXDC, Cobbles					
4-5		Field Class., NXDC, Cobbles, A section of plywood was found in this area.					
5-15		Field Class., NXDC, Cobbles					
15-20		Field Class., Sa					
20-32.5		Field Class., Weathered Rock					
32.5-35		Hole stopped @ 32.5 ft Possible Bedrock.					

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BORING LOG

JAMAICA  
 ER-BRF 015-1(23)  
 VT-30 BR-19

Boring No.: B-205  
 Page No.: 1 of 1  
 Pin No.: 11B316  
 Checked By: CEE

Boring Crew: GARROW, SALISBURY  
 Date Started: 12/14/11 Date Finished: 12/14/11  
 VTSPG NAD83: N 218656.30 ft E 1565101.30 ft  
 Station: \_\_\_\_\_ Offset: \_\_\_\_\_  
 Ground Elevation: 730.3 ft

Casing \_\_\_\_\_ Sampler \_\_\_\_\_  
 Type: WB  
 I.D.: 4 in  
 Hammer Wt: N.A. N.A.  
 Hammer Fall: N.A. N.A.  
 Hammer/Rod Type: \_\_\_\_\_  
 Rig: CME 45C SKID CE =

Groundwater Observations		
Date	Depth (ft)	Notes
		Hole Collapsed.
12/14/11		Open to 15 ft.

Depth (ft)	Strata (I)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Field Class:, GrSa					
		Field Class:, NXDC, Cobbles					
5		Field Class:, Gr					
		Field Class:, NXDC, Concrete					
10		Field Class:, Sa					
		Field Class:, GrSa					
15		Field Class:, Sa					
		Field Class:, NXDC, Cobbles					
20		Field Class:, Sa					
25		Field Class:, Sa					
30		Hole stopped @ 29.5 ft Possible Bedrock.					
35							

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