



BORING LOG

JAMAICA
ER-BRF 013-1(16)
VT-100 BR-78

Boring No.: B-102
Page No.: 1 of 2
Pin No.: 11B212
Checked By: CEE

Boring Crew: GARROW, SALISBURY
Date Started: 2/08/12 Date Finished: 2/14/12
VTSFG NAD83: N 206527.20 ft E 1572732.90 ft
Station: 121+79 Offset: -16.00
Ground Elevation: 680.3 ft

Type:	Casing	Sampler	Groundwater Observations		
			Date	Depth (ft)	Notes
I.D.:	4 in	1.5 in			
Hammer Wt:	N.A.	140 lb.	02/09/12	10.2	AM
Hammer Fall:	N.A.	30 in.	02/14/12	14.7	AM
Hammer/Rod Type:	Auto/AWJ				
Rig:	CME 45C TRACK				
		CE = 1.34			

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (lip deg.)	Core Rec. (ROD %) (%)	Drill Rate (minutes/ft)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
10		A-1-a, SaGr, brn, Moist, Rec. = 0.9 ft, NXDC, Encountered Cobbles when advancing casing.				12-10-8	10.1	58.1	32.2	9.7		
		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft, NXDC, Encountered Cobbles when advancing casing.				10-9-8	12.2	43.0	43.9	13.1		
		A-1-a, SaGr, brn, Moist, Rec. = 0.4 ft, NXDC, Encountered Cobbles when advancing casing.				19	11.9	62.1	28.4	9.5		
		A-1-b, GrSa, brn, Moist, Rec. = 0.9 ft, NXDC, Encountered Cobbles when advancing casing.				2-5-5-5	16.5	38.8	47.9	13.3		
		A-2-4, SiSa, brn, Moist, Rec. = 0.9 ft				42-14-4	29.2	11.8	67.0	21.2		
		A-1-b, GrSa, brn, MTW, Rec. = 0.9 ft				3-2-1-1	18.3	44.4	49.4	6.2		
		A-1-a, SaGr, brn, MTW, Rec. = 0.9 ft, NXDC, Encountered Cobbles when advancing casing.				4-10-13	11.8	58.1	33.4	8.5		
		A-4, SaSi, gry, Moist, Rec. = 0.8 ft				9-9-13	18.7	15.2	29.4	55.4		
		A-4, Si, gry, Moist, Rec. = 1.7 ft				20	18.1	6.6	15.1	78.3	22	4
		A-4, Si, gry, Moist, Rec. = 2.0 ft				13-17	21.9		11.0	89.0		
20		A-4, Si, gry, MTD, Rec. = 1.9 ft				20-30	19.6	17.8	82.2			
		A-4, Si, gry, MTD, Rec. = 1.9 ft				10-15	19.4	17.9	82.1			
		A-4, SaSi, gry, MTD, Rec. = 1.8 ft				25-33	18.4	20.0	80.0			
		A-4, SaSi, gry, Moist, Rec. = 2.0 ft				35-45	21.5	24.1	75.9			
		A-4, Si, gry, Moist, Rec. = 2.0 ft				20-30	21.0	1.0	15.9	83.1	23	2
		A-4, Si, gry, Moist, Rec. = 2.0 ft				36-42	16.3	17.0	83.0			
		A-4, Si, gry, Moist, Rec. = 2.0 ft				18-28	18.9	0.6	13.0	86.4		
		A-4, Si, gry, Moist, Rec. = 2.0 ft				32-50	21.5	46.0	54.0			
		A-4, Si, gry, Moist, Rec. = 2.0 ft				20-26	15.7	3.5	17.5	79.0		
		A-4, Si, gry, Moist, Rec. = 2.0 ft				36-42	16.4	0.6	14.5	84.9		
30		A-4, Si, gry, Moist, Rec. = 2.0 ft				13-17						
		A-4, Si, gry, Moist, Rec. = 2.0 ft				32-50						
		A-4, Si, gry, Moist, Rec. = 2.0 ft				27-24						
		A-4, Si, gry, Moist, Rec. = 2.0 ft				27-24						
		A-4, Si, gry, Moist, Rec. = 2.0 ft				51						
		A-4, Si, gry, Moist, Rec. = 1.9 ft				22-32						
		A-4, Si, gry, Moist, Rec. = 1.9 ft				42-53						
		A-4, SaSi, gry, Moist, Rec. = 1.8 ft				74						
		A-4, SaSi, gry, Moist, Rec. = 1.8 ft				31-36						
		A-4, SaSi, gry, Moist, Rec. = 1.8 ft				28-41						
40		A-4, Si, gry, MTD, Rec. = 1.0 ft				62						
		A-4, Si, gry, MTD, Rec. = 1.0 ft				62						
		A-4, Si, gry, MTD, Rec. = 1.0 ft				50						
		A-4, Si, gry, MTD, Rec. = 1.0 ft				50						
		A-4, Si, gry, MTD, Rec. = 1.0 ft				50						
		A-4, Si, gry, MTD, Rec. = 1.0 ft				50						
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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

JAMAICA
ER-BRF 013-1(16)
VT-100 BR-78

Boring No.: B-102
Page No.: 2 of 2
Pin No.: 11B212
Checked By: CEE

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Station: 121+79 Offset: -16.00
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Hammer Fall:	N.A.	30 in.	02/14/12	14.7	AM
Hammer/Rod Type:	Auto/AWJ				
Rig:	CME 45C TRACK				
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Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (lip deg.)	Core Rec. (ROD %) (%)	Drill Rate (minutes/ft)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %	
													Gravel %
60		A-4, SaSi, gry, MTD, Rec. = 0.9 ft				43- RØ4.5"	16.4		25.7	74.3			
		A-4, Si, gry, MTD, Rec. = 1.0 ft				27- RØ6.0"	20.1		5.0	95.0			
		A-4, SaSi, gry, MTD, Rec. = 0.9 ft				35- RØ6.0"	15.5	2.7	21.6	75.7			
		A-4, SaSi, gry, MTD, Rec. = 0.9 ft				32- RØ6.0"	17.3	2.0	20.4	77.6			
		A-4, SaSi, gry, MTD, Rec. = 1.0 ft				15- RØ6.0"	16.1	7.1	23.3	69.6			
		Field Note, NXDC, Cobbles & Gravel											
		A-2-4, GrSa, gry, Moist, Rec. = 0.7 ft, Broken Rock was within sample.					9-75- RØ2.5"	17.1	35.4	53.8	10.8		
		Field Note, NXDC, Boulder											
		93.2 ft - 98.2 ft, Buff white, Dolomitic Marble, Hard, Unweathered, Good rock, NXMDC, RMR = 72		1	100	12							Top of Bedrock @ 93.2 ft
		98.2 ft - 103.2 ft, Buff white, Dolomitic Marble, Hard, Unweathered, Good rock, NXMDC, RMR = 72		2	100	5							
100		Hole stopped @ 103.2 ft											

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BORING LOG: 2_JAMAICA_ER-BRF_013-1(16).GRJ VERMONT AOT.GDT 2/24/12

BORING LOG: 2_JAMAICA_ER-BRF_013-1(16).GRJ VERMONT AOT.GDT 2/24/12