

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-103				
				JAMAICA ER-BRF 013-1(16) VT-100 BR-78		Page No.: 1 of 2				
						Pin No.: 11B212				
						Checked By: CEE				
Boring Crew: GARROW, SALISBURY		Type: WB		Casing		Sampler				
Date Started: 2/02/12 Date Finished: 2/07/12		I.D.: 4 in		SS		Groundwater Observations				
VTSPG NAD83: N 206325.50 ft E 1572615.70 ft		Hammer Wt: N.A.		140 lb.		Date				
Station: 119+47 Offset: 2.50		Hammer Fall: N.A.		30 in.		Depth (ft)				
Ground Elevation: 687.9 ft		Hammer/Rod Type: Auto/AWJ		02/03/12		Notes				
		Rig: CME 45C TRACK CE = 1.34		02/06/12						
				02/08/12						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. (% RQD %)	Drill Rate (min/ft)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5	[Pattern]	A-1-a, SaGr, brn, Moist, Rec. = 0.9 ft				22-25-20-15 (45)	9.6	53.0	36.9	10.1
		A-1-b, SaGr, brn, Moist, Rec. = 0.5 ft, NXDC, Encountered Cobbles when advancing casing.				7-9-9-18 (18)	11.3	48.5	38.0	13.5
10	[Pattern]	A-1-a, SaGr, gry-brn, Moist, Rec. = 1.0 ft, NXDC, Encountered Gravel when advancing casing.				17-18-17-20 (35)	9.4	60.1	30.1	9.8
		A-1-b, GrSa, gry, Moist, Rec. = 0.5 ft, NXDC, Encountered Cobbles when advancing casing.				5-13-12-5 (25)	10.4	42.2	48.0	9.8
15	[Pattern]	A-1-a, SaGr, gry, Moist, Rec. = 0.7 ft, NXDC, Encountered Cobbles when advancing casing.				18-11-8-8 (19)	10.8	55.1	37.3	7.6
		A-1-b, SaGr with Broken Rock, gry, Moist, Rec. = 1.2 ft, NXDC, Encountered Cobbles when advancing casing.				15-14-23-22 (37)	10.8	47.1	43.8	9.1
20	[Pattern]	Field Note: NXDC, Cobbles and Gravel								
		A-1-b, GrSa, gry, Moist, Rec. = 0.7 ft, NXDC, Encountered Cobbles when advancing casing.				7-12-17-30 (29)	11.3	41.2	46.5	12.3
25	[Pattern]	Field Note: NXDC, Cobbles								
		A-4, SaSi, gry, Moist, Rec. = 2.0 ft, NXDC, Encountered Gravel when advancing casing.				10-20-24-30 (44)	16.8	2.8	34.6	62.6
30	[Pattern]	A-4, SaSi, gry, Moist, Rec. = 1.8 ft				24-22-24-26 (46)	17.4	2.3	22.3	75.4
		A-4, SaSi, gry, Moist, Rec. = 1.8 ft				19-25-22-25 (47)	18.3	0.2	29.8	70.0
35	[Pattern]	A-4, SaSi, gry, Moist, Rec. = 2.0 ft				14-21-24-28 (45)	19.4	9.5	45.1	45.4
		A-4, SaSi, gry, MTD, Rec. = 1.5 ft				42-32-36-R@0.0" (68)	14.3	18.0	29.2	52.8
40	[Pattern]	A-4, SaSi, gry, MTD, Rec. = 2.0 ft				26-31-35-43 (66)	18.3	0.8	32.1	67.1
		A-4, SaSi, gry, MTD, Rec. = 0.9 ft				43-R@6.0"	15.1	0.2	24.2	75.6

BOTTOM PILE CAP
EL. 676.00

BORING LOG 2 JAMAICA ER-BRF 013-1(16).DPT VERMONT AOT.GDT 2/24/12

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.

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Station: 119+47 Offset: 2.50		Hammer Fall: N.A.		30 in.		Depth (ft)				
Ground Elevation: 687.9 ft		Hammer/Rod Type: Auto/AWJ		02/03/12		Notes				
		Rig: CME 45C TRACK CE = 1.34		02/06/12						
				02/08/12						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. (% RQD %)	Drill Rate (min/ft)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
50	[Pattern]	A-4, SaSi, gry, MTD, Rec. = 1.0 ft				36-62-R@0.0"	16.4	2.7	27.6	69.7
		A-4, SaSi, gry, Moist, Rec. = 0.8 ft				40-R@3.5"	15.5	13.3	37.3	49.4
55	[Pattern]	A-4, SaSi, gry, Moist, Rec. = 0.8 ft				40-R@3.5"	16.8	19.2	34.3	46.5
		A-4, GrSaSi, gry, MTD, Rec. = 0.3 ft				R@3.5"	13.3	23.1	33.5	43.4
60	[Pattern]	A-4, SaSi, gry, MTD, Rec. = 0.8 ft				50-R@2.5"	9.4	18.3	47.6	34.1
		A-2-4, SiSa, gry, MTD, Rec. = 0.5 ft				R@2.5"	11.5	24.4	42.1	33.5
65	[Pattern]	Field Note: NXDC, Cobbles and Gravel								
		A-2-4, GrSiSa, grn-gry, MTD, Rec. = 0.2 ft								
70	[Pattern]	Field Note: NXDC, Cobbles								
		75.2 ft - 77.2 ft, Light gray to dark gray, Biotite-quartz-plagioclase Gneiss, Hard, Unweathered, Good rock, NXMDC, RMR = 72				1 (40)	100 (65)	6		
75	[Pattern]	77.2 ft - 82.2 ft, Light gray to dark gray, Biotite-quartz-plagioclase Gneiss, Hard, Unweathered, Good rock, NXMDC, RMR = 76				2 (40)	100 (86)	7		
		82.2 ft - 85.2 ft, Light gray to dark gray, Biotite-quartz-plagioclase Gneiss, Hard, Unweathered, Good rock, NXMDC, RMR = 72				3 (40)	80 (70)	4		
80	[Pattern]	Top of Bedrock @ 75.2 ft								
		Hole stopped @ 85.2 ft								

PILE TIP
EL. 613.00

BORING LOG 2 JAMAICA ER-BRF 013-1(16).DPT VERMONT AOT.GDT 2/24/12

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PROJECT NAME: JAMAICA
 PROJECT NUMBER: ER-BRF 013-1(16)
 FILE NAME: s11b212boringlogs.dgn
 PROJECT LEADER: K. HIGGINS
 DESIGNED BY: G. LAROCHE
 BORING LOGS 3
 PLOT DATE: 12-OCT-2012
 DRAWN BY: K. FRIEDLAND
 CHECKED BY: G. LAROCHE
 SHEET 27 OF 85