



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

BORING NUMBER: B-102  
 SHEET 1 of 1  
 DATE STARTED: 4/20/07  
 DATE COMPLETED: 5/08/07

PROJECT NAME: PLYMOUTH  
 SITE NAME: VT 100A  
 STATION: 199+37.00  
 OFFSET: 25.00  
 VTSPG: N 387299.52 ft E 1589098.32 ft

PROJECT NUMBER: BRS 0149(3)S  
 SITE NUMBER: BR-8  
 GROUND ELEVATION: 1039.84 ft  
 GROUNDWATER DEPTH: 5.3 ft 5/09/07  
 PROJECT PIN NUMBER: 84E057

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, GrSa with root and wood material., brn, Moist, Rec. = 1.4 ft	4	38.6	30.3	56.1	13.6
		NXDC, Boulders, Cleaned out casing., 3.5 ft - 4.5 ft					
		NXDC, Boulders, Cleaned out casing., 4.5 ft - 6.0 ft					
10		No Sample, 10.0 ft - 12.0 ft	12				
		A-1-b, SaGr, brn-gry, Moist, Rec. = 1.0 ft	44	12.1	51.1	38.3	10.6
20		A-2-4, SiGrSa, brn, Moist, Rec. = 1.8 ft	11	15.8	22.2	57.0	20.8
		NXDC, Boulders, Cleaned out casing., 24.3 ft - 25.0 ft					
		A-1-b, GrSa, gry-brn, Moist, Rec. = 1.7 ft	43	13.0	38.1	43.3	18.6
30		NXDC, Boulders, Cleaned out casing., 29.1 ft - 30.0 ft					
		No Sample, 30.0 ft - 32.0 ft, Used drilling mud to advance casing, Flowing sand.	24				
		A-4, SaSi, brn, Moist, Rec. = 0.4 ft	R	23.9	1.0	45.8	53.2
		A-1-b, SiSaGr, brn, Moist, Rec. = 1.0 ft		11.2	42.8	36.7	20.5
40		NXDC, Boulders, Cleaned out casing., 37.5 ft - 50.0 ft, Sleeved 4.5" casing to 3.5" casing.					
50		A-1-b, GrSa, gry-brn, Moist, Rec. = 1.2 ft	80	13.5	32.4	50.2	17.4
		BXDC, Boulders, Cleaned out casing., 52.5 ft - 59.51 ft					
		Top of Bedrock @ 59.7 ft					
60		Gray, Dolomite, with numerous highly weathered calcite veins along jointing. Dolomite is unweathered while the calcite joint infilling is severely weathered. Poor competency. Massively bedded. No discernable dip., Hard, BXMDC, 59.7 ft - 60.7 ft, Rec. = 0.3 ft	1	30	0		15
			2	100	0		10
			3	100	16		12
70		Gray, Dolomite, with numerous highly weathered calcite veins along jointing. Dolomite is unweathered while the calcite joint infilling is severely weathered. Poor competency. Massively bedded. No discernable dip., Hard, BXMDC, 60.7 ft - 63.4 ft, Rec. = 2.7 ft					8
							10
		Gray, Dolomite, with numerous highly weathered calcite veins along jointing. Dolomite is unweathered while the calcite joint infilling is severely weathered. Poor competency. Massively bedded. No discernable dip., Hard, BXMDC, 63.4 ft - 68.4 ft, Rec. = 5.0 ft					10
							14
80		Hole stopped @ 68.4 ft					14

LOG OF BORING PLYMOUTH BRS 0149(3)S.GPJ VT AOT.GDT 9/27/07



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BORING NUMBER: B-103  
 SHEET 1 of 1  
 DATE STARTED: 4/04/07  
 DATE COMPLETED: 4/11/07

PROJECT NAME: PLYMOUTH  
 SITE NAME: VT 100A  
 STATION: 199+76.00  
 OFFSET: -25.00  
 VTSPG: N 387352.02 ft E 1589132.35 ft

PROJECT NUMBER: BRS 0149(3)S  
 SITE NUMBER: BR-8  
 GROUND ELEVATION: 1045.3 ft  
 GROUNDWATER DEPTH: 10.2 ft 4/12/07  
 PROJECT PIN NUMBER: 84E057

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, GrSa, brn, Moist, Rec. = 1.5 ft	36	15.1	37.4	46.2	16.4
		NXDC, Cleaned out casing., 4.0 ft - 5.0 ft	4	14.4			
		Visual Class., A-1-b, Sa Gr, brn, Moist, Rec. = 0.6 ft, Insufficient sample for testing.					
10		NXDC, Cleaned out casing., 9.8 ft - 10.0 ft	19	14.2	33.7	51.6	14.7
		A-1-b, GrSa, brn, Moist, Rec. = 1.3 ft					
		A-1-b, SaGr, brn, Moist, Rec. = 1.5 ft	22	12.6	46.1	36.5	17.4
		NXDC, Cleaned out casing., 18.2 ft - 19.2 ft					
20		Visual Class., A-1-b, Sa Gr, Rec. = 0.4 ft, Rock in sampler. Insufficient sample for testing.	26				
		No Sample., 25.0 ft - 27.0 ft	26				
30		A-1-b, Sa, brn, Moist, Rec. = 1.5 ft	18	16.7	18.5	68.0	13.5
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.9 ft	19	10.7	38.6	40.2	21.2
		NXDC, Cleaned out casing., 39.5 ft - 40.0 ft	30	11.1	44.2	40.5	15.3
		A-1-b, SaGr, brn, Moist, Rec. = 1.3 ft					
		Visual Class., Broken Rock, Rec. = 0.2 ft	R	Top of Bedrock @	45.2 ft		
50		Gray, Biotite-Quartz Schist, Low RQD may be due to mechanical breakage along foliation., Moderately hard, Unweathered, NXMDC, 45.2 ft - 49.9 ft, Rec. = 4.7 ft	1	100	53	40	18
		Gray, Biotite-Quartz Schist, Low RQD may be due to mechanical breakage along foliation., Moderately hard, Unweathered, NXMDC, 49.9 ft - 54.9 ft, Rec. = 5.0 ft	2	100	50	40	15
		Hole stopped @ 54.9 ft					13
60							8
							9
							8
							8
							8
70							

LOG OF BORING - PLYMOUTH - BRS 0149(3)S.GPJ - VT AOT.GDT - 9/27/07