



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

BORING NUMBER: B-101
SHEET 1 of 2
DATE STARTED: 10/25/07
DATE COMPLETED: 10/31/07

PROJECT NAME: STOWE
SITE NAME: VT-100
STATION: 14+57
OFFSET: -7.00
VTSPG: N 708217.19 ft E 1587375.84 ft

PROJECT NUMBER: BRF 029-1(17)
SITE NUMBER: BR-208
GROUND ELEVATION: 680.61 ft
GROUNDWATER DEPTH: 19.1 ft 10/31/07
PROJECT PIN NUMBER: 85E037

BORING CREW
CREW CHIEF: GARROW
DRILLER: GARROW
LOGGER: WERNER

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 (%)
		Asphalt Pavement, 0.0 ft - 1.0 ft					
		Concrete, BXDC, Cleaned out casing, 1.0 ft - 2.8 ft					
		A-2-4, Sa, brn, Moist, Rec. = 0.7 ft	3	11.4	17.9	68.2	13.9
5		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft	12	9.0	42.5	43.8	13.7
		A-1-b, SiSaGr, brn, Moist, Rec. = 1.0 ft, BXDC, Cleaned out casing.	21	10.4	47.7	32.3	20.0
		A-4, GrSi, gry, Moist, Rec. = 0.5 ft	20	19.7	25.7	17.1	57.2
10		Field Note, No Recovery, Filled casing with water before pulling up split barrel.	16				
		A-2-4, SaSiGr, brn-gry, Wet, Rec. = 0.9 ft, Filled casing with water again and lost water at 14.7 ft	41	15.0	37.3	29.2	33.5
15		Field Note, No Recovery	12				
		A-1-b, SaGr, gry, Wet, Rec. = 0.5 ft	70	7.9	52.0	28.6	19.4
		BXMDC, Boulder, 18.3 ft - 19.0 ft, Lost water at 19.0 ft, Advanced casing.	R				
		Seam, 19.0 ft - 19.3 ft					
20		BXMDC, Boulder, 19.3 ft - 20.0 ft, Lost water again at 20.0 ft	51	14.7	31.7	51.5	16.8
		A-1-b, GrSa, gry, Wet, Rec. = 0.95 ft					
		BXMDC, Concrete, Rec. = 2.9 ft, 21.5 ft - 24.5 ft					
25		Void, 24.5 ft - 26.0 ft					

LOG OF BORING STOWE BRF029-1(17) GPJ VT AOT.GDT 1/14/08



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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, SiSaGr, brn-gry, Wet, Rec. = 0.8 ft	24	11.7	46.6	31.4	22.0
		A-4, SaSi, gry, Wet, Rec. = 1.2 ft	29	15.6	10.9	42.2	46.9
30		A-2-4, GrSiSa, gry, Wet, Rec. = 1.7 ft	30	14.0	23.3	44.3	32.4
		Field Note, No Recovery	R				
		A-1-b, SiSaGr, gry, Wet, Rec. = 1.4 ft	R	10.5	39.0	39.0	22.0
35		A-4, Si, gry, Wet, Rec. = 0.5 ft	R	17.4	11.2	17.5	71.3
		Black, Thinly laminated Phyllite, with numerous pyrite porphyroblasts, Competent, Dip ranges from 50 to 85, Medium soft, Unweathered, BXMDC, 36.5 ft - 41.5 ft, Rec. = 4.85 ft	1	97	86		8
							10
							10
							10
							8
		Black, Thinly laminated Phyllite, with numerous pyrite porphyroblasts, Dip ranges from 50 to 85, Drilling break from 42.0'-42.5', Medium soft, Unweathered, BXMDC, 41.5 ft - 42.0 ft, Rec. = 2.85 ft	2	57	54		6
		Black, Thinly laminated Phyllite, with numerous pyrite porphyroblasts, Bottom portion of core may have been lost in hole, Medium soft, Unweathered, 42.5 ft - 46.5 ft					9
							8
							10
							10
45		Hole stopped @ 46.5 ft					
50							

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