



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

BORING LOG

ROCHESTER  
ER-STP 0162(19)  
VT-73 BR-13

Boring No.: B-101

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Pin No.: 11C334

Checked By: CEE

Boring Crew: SALISBURY, GARROW  
Date Started: 3/29/12 Date Finished: 3/30/12  
VTSPG NAD83: N 492752.70 ft E 1528645.50 ft  
Station: 104+03 Offset: 20.50  
Ground Elevation: 1500.2 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 TRACK CE = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
		NWTD

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-b, SaGr, brn, Moist, Rec. = 1.3 ft				2-2-7-7 (9)	7.9	48.0	35.9	16.1
		A-1-a, SaGr, brn, Moist, Rec. = 1.8 ft, NXDC				8-28-35-34 (63)	6.6	51.6	33.6	14.8
		A-1-b, SaGr, brn, Moist, Rec. = 1.2 ft				9-25-28-26 (53)	9.0	46.9	36.3	16.8
		A-1-a, SaGr, brn, Moist, Rec. = 1.4 ft				15-25-31-26 (56)	9.1	52.1	32.4	15.5
		A-1-a, SaGr, brn, Moist, Rec. = 1.0 ft, NXDC				10-10-12-10 (22)	9.2	53.8	31.6	14.6
		A-1-a, SaGr, brn, Moist, Rec. = 1.2 ft, NXDC				6-10-14-16 (24)	7.5	55.6	30.3	14.1
		A-1-a, SaGr, brn, Moist, Rec. = 1.0 ft, Lost water return at 14.0 ft. Changed bit.				10-7-6-13 (13)	9.3	67.9	24.1	8.0
		Field Note:, NXDC, Cobbles								
20		A-1-a, SaGr, brn, Moist, Rec. = 0.6 ft, The Gravel = 3 broken stones				5-6-4-R@3.5"	10.7	62.1	31.4	6.5
		Field Note:, NXDC, Cobbles								
25		20.0 ft - 25.0 ft, Light gray, Quartz-muscovite Schist, with quartzite. Hard, Unweathered, Good rock, NXMDC, RMR = 76	1 (30)	98 (98)	3	Top of Bedrock @ 20.0 ft				
					3					
					3					
					4					
30		25.0 ft - 30.0 ft, Light gray, Quartz-muscovite Schist, with quartzite. Hard, Good rock, NXMDC, Slightly weathered along joint surface at 27.25 feet. Remainder of run is unweathered. RMR = 76	2 (30)	100 (100)	3					
					3					
					3					
					4					
35		Hole stopped @ 30.0 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.