



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

BORING LOG

CRAFTSBURY
BO 1449(34)
TH-4 BR-4

Boring No.: **B-103**

Page No.: 1 of 1

Pin No.: 13J100

Checked By: _____

Boring Crew: JUDKINS, HOOK, NIETO
Date Started: 1/31/14 Date Finished: 2/10/14
VTSPG NAD83: N 787581.20 ft E 1678684.90 ft
Station: 12+82 Offset: -16.00
Ground Elevation: 1025.0 ft

Casing Type: WB Sampler: 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 C = 1.34

Groundwater Observations		
Date	Depth (ft)	Notes
02/10/14	9.5	AM
02/10/14	4.2	Casing removed.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Groundwater Observations				
						Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, SiGrSa, Dk/brn, Moist, Rec. = 0.7 ft				2-1-1-1 (2)	28.6	33.2	44.3	22.5
		A-2-4, SiSa, Dk/brn, Moist, Rec. = 0.9 ft, NXDC, Cleaned out casing.				7-4-3-3 (7)	13.4	18.5	53.9	27.6
		A-2-4, GrSiSa, Dk/brn, MTW, Rec. = 0.6 ft, NXDC, Cleaned out casing.				7-2-2-2 (4)	16.3	23.2	50.2	26.6
		A-4, SiSa, Dk/brn, MTW, Rec. = 0.4 ft				3-8-17-21 (25)	16.6	18.3	41.2	40.5
		A-4, GrSiSa, Dk/brn, Moist, Rec. = 1.0 ft, NXDC, Cleaned out casing.				11-12-15-14 (27)	13.2	20.7	42.1	37.2
10		A-4, SiSa, Dk/brn, Moist, Rec. = 0.6 ft				33-33-31-R@2.5" (64)	11.2	16.4	43.7	39.9
		Field Note: NXDC, Cleaned out casing.				33-43-R@2.5" (R)	9.8	19.6	30.9	49.5
		Field Note: NXDC, Cleaned out casing.				25-46-R@5.0" (R)	10.5	18.6	27.1	54.3
		A-4, SaSi (HP), gry, Moist, Rec. = 1.2 ft				39-49-R@1.0" (R)	11.7	18.2	28.1	53.7
		Field Note: NXDC, Cleaned out casing.				43-R@6.0" (R)	14.8	7.5	21.9	70.6
20		A-4, SaSi (HP), gry, Moist, Rec. = 0.3 ft				40-46-R@1.0" (R)	13.0	16.2	24.8	59.0
		Field Note: NXDC, Cleaned out casing.								
25		24.0 ft - 25.0 ft, Bluish-gray, Micaceous quartz-rich Limestone, Moderately hard, Unweathered, Fair rock, NXDC, RMR = 44	1 (30)	90 (0)						
		25.0 ft - 29.0 ft, Dark-gray to silvery-gray, Lustrous, carbonaceous muscovite-biotite-quartz (+/- garnet) Phyllite, and Dark-bluish-gray Micaceous quartz-rich Limestone. Medium to moderately hard, Unweathered, Fair rock, NXDC, RMR = 49	2 (30)	95 (70)	6					
					4					
					4					
					5					
30		29.0 ft - 34.0 ft, Dark-gray to silvery-gray, Lustrous, carbonaceous muscovite-biotite-quartz (+/- garnet) Phyllite, and Dark-bluish-gray Micaceous quartz-rich Limestone. Medium to moderately hard, Unweathered, Fair rock, NXDC, RMR = 53	3 (30)	98 (86)	4					
					3					
					3					
					4					
35					3					
		Hole stopped @ 34.0 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. C is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

BORING LOG 2 CRAFTSBURY BO 1449(34).GPJ VERMONT AOT.GDT 3/20/14