



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

BORING LOG

HARDWICK
EAST HARDWICK SLIDE
VT-16 DIST. #9

Boring No.: B-106
Page No.: 1 of 1
Pin No.: 11X511
Checked By: CCB

Boring Crew: PORTER, GARROW, SALISBURY
Date Started: 10/14/11 Date Finished: 10/18/11
VTSPG NAD83: N 737395.74 ft E 1693092.31 ft
Station: _____ Offset: _____
Ground Elevation: _____

Casing Type: WB
I.D.: 4 in
Hammer Wt: N.A.
Hammer Fall: N.A.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C TRACK

Sampler SS
1.5 in
140 lb.
30 in.
CE = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
10/19/11	9.2	From Top of Well

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Well Diagram	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %	
5		Field Note: Cobbles. Lost Water Return at 3.0 feet., Cleaned out casing. A-1-b, SaGr, brn, Moist, Rec. = 0.5 ft		3-6-15-R@5.75" (21)	15.2	46.3	36.5	17.2			
10		Field Note: Boulder, Cleaned out casing. A-4, SaSi, brn, Moist, Rec. = 0.6 ft		2-2-1-7 (3)	21.3	11.1	25.7	63.2			
15		Field Note: Cobble, Cleaned out casing. A-4, SiSa, brn, Moist, Rec. = 1.7 ft, Lab Note: Lots of Mica was within sample.		12-23-36-45 (59)	16.4	14.4	48.8	36.8			
20		Field Note: Boulder, Cleaned out casing. A-2-4, SiSa, gry-brn, Moist, Rec. = 1.5 ft, Lab Note: Lots of Mica was within sample.		15-16-23-23 (39)	23.0	9.2	57.3	33.5			
25		Field Note: Cobble, Cleaned out casing. A-2-4, SiSaGr, brn, Moist, Rec. = 0.7 ft		22-22-29-34 (51)	15.7	44.2	28.4	27.4			
30		Field Note: Appears to be Silt., Cleaned out casing. A-4, Cisi, gry, Moist, Rec. = 1.7 ft		17-25-31-45 (56)	24.5	6.8	1.6	91.6	34	7	
30	Hole stopped @ 30.0 ft NLTD										
35	Remarks: 1. Installed one 1.5 inch Monitoring Well. 2. Well goes to 27.8 feet with 10 feet of screen from 17.8 to 27.8 feet. 3. Top of Well is 2.5 feet above ground surface.										

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.

BORING LOG 2 HARDWICK (EAST) SLIDE.GPJ VERMONT AOT.GDT 3/1/13