



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

BORING LOG
 HARDWICK
 EAST HARDWICK SLIDE
 VT-16 DIST. #9

Boring No.: B-105
 Page No.: 1 of 1
 Pin No.: 11X511
 Checked By: CCB

Boring Crew: PORTER, GARROW, SALISBURY
 Date Started: 10/12/11 Date Finished: 10/12/11
 VTSPG NAD83: N 737436.24 ft E 1693066.53 ft
 Station: _____ Offset: _____
 Ground Elevation: _____

Casing: WB
 Sampler: SS
 Type: WB
 I.D.: 4 in
 Hammer Wt: N.A.
 Hammer Fall: N.A.
 Hammer/Rod Type: Auto/AWJ
 Rig: CME 45C TRACK
 CE = 1.34

Groundwater Observations		
Date	Depth (ft)	Notes
10/17/11	20.5	Casing in ground.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Well Diagram	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		A-1-b, SaGr, brn, Wet, Rec. = 0.7 ft		3-3-3-5 (6)	14.7	44.9	44.7	10.4		
		Field Note:, Lost Water Return at 7.0 ft.								
		Field Note:, Cobbles & Gravel. Cleaned out casing.								
		Field Note:, Boulder								
10										
		A-2-4, GrSiSa, brn, Moist, Rec. = 1.2 ft		3-2-1-1 (3)	25.9	25.0	45.0	30.0		
		Field Note:, Cobbles & Gravel. Cleaned out casing.								
20		A-1-a, SaGr, brn, Moist, Rec. = 0.3 ft		2-3-3-2 (6)	12.4	60.5	25.0	14.5		
		Field Note:, Cobbles. Cleaned out casing.								
		Field Note:, No Recovery.		6-5-4-4 (9)						
		Field Note:, Cobbles. Cleaned out casing.								
		Field Note:, No Recovery., Roller coned ahead.		10-8-6-8 (14)						
30		A-4, GrSaSi, brn, Moist, Rec. = 1.3 ft		9-9-9-17 (18)	18.7	25.4	30.8	43.8		
		A-4, SaSi, brn, Moist, Rec. = 0.6 ft, Lab Note: Lots of Mica was within sample.		6-6-4-6 (10)	25.5	13.7	39.2	47.1		
		A-4, Si, gry, Moist, Rec. = 1.7 ft, Roller coned ahead.		9-8-11-20 (19)	27.2		2.7	97.3	32	5
40		A-4, Cisi, gry, MTD, Rec. = 1.8 ft, Roller coned ahead.		10-15-18-24 (33)	27.8		0.4	99.6	32	7
		A-4, Cisi, gry, Moist, Rec. = 1.5 ft		11-14-18-25 (32)	28.8		0.8	99.2	34	9
50		Hole stopped @ 50.0 ft NLTD								
		Remarks: 1. Installed Inclinator Well at 50.0ft. 2. Top of Well casing is 2.3 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