



STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

BORING LOG

DANBY
BF 0130(3)
TH-1 BR-9

Boring No.: **B-105**

Page No.: 1 of 1

Pin No.: 13J304

Checked By: TDE

Boring Crew: DAIGNEAULT, JUDKINS, NIETO

Date Started: 1/22/15 Date Finished: 2/11/15

VTSPG NAD83: N 306335.03 ft E 1496981.79 ft

Station: 13+1.6 Offset: 18.50

Ground Elevation: 1244.65 ft

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 C₁ = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
02/11/15	10.9	After drilling.

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, SiSaGr, Lt/brn, Moist, Rec. = 1.2 ft, High blow counts due to frost. Field Note:, NXDC Visual Description:, Broken Rock with silty sand, gry, Moist, Rec. = 0.4 ft, Insufficient sample for testing. Field Note:, NXDC				52-110 (R) R@6.0" (R)	15.3 10.3	41.0	37.3	21.7
5		A-4, GrSaSi, gry, Moist, Rec. = 0.4 ft, Lab Note: Broken Rock was with sample. NXDC, Cleaned out casing. A-4, GrSaSi, gry, Moist, Rec. = 0.3 ft, NXDC, Cleaned out casing.				28-12-9-9 (21) 8-7-7-8 (14)	15.6 14.0	30.9	31.4	37.7 42.6
10		A-4, GrSaSi, gry, Moist, Rec. = 0.8 ft				5-5-6-12 (11)	13.6	28.1	29.9	42.0
10		Field Note:, No Recovery. Appears to be Cobbles and silt. NXDC, Cleaned out casing				4-2-4-4 (6)				
15		Visual Description:, Severely Weathered Rock with silty sand, gry, Moist, Rec. = 1.0 ft 14.4 ft - 19.4 ft, Gray, Siliceous shale and Phyllite, with quartz vein. Core run is very vuggy with iron staining on vug and foliation surfaces. Medium hard, Moderately severe weathering, Very poor rock, NXMDC, RMR = 19	1 (20)	64 (0)	2 2 5 4 5		14.6			
20		19.4 ft - 24.4 ft, Gray, Siliceous shale and Phyllite, with quartz vein. Core run is very vuggy with iron staining on vug and foliation surfaces. Medium hard, Moderately severe weathering, Very poor rock, NXMDC, RMR = 19	2 (20)	26 (0)	3 5 5 4 7					
25		24.4 ft - 29.4 ft, Gray, Siliceous shale and Phyllite, Top 3.5 feet of core run is slightly vuggy with some iron staining on foliation surfaces. Medium hard, Slightly weathered, Fair rock, NXMDC, RMR = 36	3 (20)	100 (20)	2 2 2 3 3					
30		29.4 ft - 33.6 ft, Gray, Siliceous shale and Phyllite, Top 1.5 feet of core run is slightly vuggy with some iron staining on foliation surfaces. Medium hard, Slightly weathered, Fair rock, NXMDC, RMR = 46	4 (20)	100 (67)	2 3 3 3 3					
35		Hole stopped @ 33.6 ft			3					
		Remarks: Hole collapsed at 13.3 ft. Geologist's Note: Water soaked from top of Run #1 through middle of Run #3. Cores remained wet for days after drilling.								

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 DANBY BF 0130(3).GPJ VERMONT AOT.GDT 4/27/15