



Boring Crew: M. Blakely, D. Spielvogel	Casing I.D.: 3 in	Sampler I.D.: 1.5 in	Groundwater Observations		
Date Started: 2/17/12 Date Finished: 2/21/12	WB	SS	Date	Depth (ft)	Notes
VTSPG NAD83: N 401635.66 ft E 1509827.60 ft	140 lb.	140 lb.	12/17/12	10.1	Estimated
Station: 100+32.00 Offset: 33.7 R	30 in.	30 in.			
Ground Elevation: 530.1 ft	Manual/NW	CE = 1			

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. (ROD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-14		(GM), f.c. GRAVEL, Some silt, Some f.m.c. Sand, compact, brown, wet, Rec. = 0.6 ft			22-22-19-26 (41)				
14-19		(GM), becomes very compact, Rec. = 0.5 ft			25-63-50/3" (R)				
19-24		(GM), Cobbles/Boulders	R-1	100 (0)					
24-25		Insufficient Recovery, Rec. = 0.1 ft			100/5" (R)				
25-30		No Recovery, Rec. = 0.0 ft			200/2" (R)				
30-35		(GM), f.c. GRAVEL, Some silt, Some f.m.c. Sand, very compact, brown, wet, Rec. = 0.4 ft			100/6" (R)				
35-40		(ML) (ML), SILT, Some f. Sand, very compact, brown, wet, Rec. = 0.7 ft			36-56-50/4" (R)				
40-43		(ML), SILT, Some f. Sand, trace f. gravel, very compact, brown, wet, Rec. = 1.1 ft			50-70-50/4" (R)		2.0	28.2	69.8
43-45		(ML-TILL) (ML-TILL), SILT, Some f. Sand, little f. gravel, very compact, gray, wet, Rec. = 0.8 ft			72-50/3" (R)		18.8	19.0	62.2

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.



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0-5		(ML-TILL), Similar Soil, Rec. = 0.5 ft			200/6" (R)				
5-14		Hole stopped @ 49.5 ft							
14-15		Remarks: Boring was offset from location B-102 and casing was advanced to a depth of 14 feet without sampling.							
15-19		A piece of c. gravel was lodged in the shoe of sample S-3 when first driven. A second spoon was driven at the same depth but no sample was recovered.							
19-24		Boulders and cobbles were encountered while driving and washing casing below a depth of 14 feet.							
24-39		Boring was advanced open hole below a depth of 39 feet.							
39-45		The description of the classification of the materials is based on USCS criteria that gravel is defined as material retained on a #4 sieve or larger. Laboratory data provided follows AASHTO classification guidelines that gravel is defined as material retained on a #10 sieve or larger.							

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