

# BORING LOG INFORMATION

BORING LOG		Boring No.:	B-2		
Project Name:		Page No.:	4 of 5		
Springfield STP 016-2 (10)S		File No.:	750-03.3		
Springfield, VT		Checked By:	RSA		
<p><b>GEODESIGN INCORPORATED</b> 54 Main Street Windsor, Vermont, 05089 Telephone: 802-674-2033 Fax: 802-674-5943</p>					
Boring Company: M and W Sells Engineering		Casing: SS			
Foreman: Mike Hitchcock		Date and Time: 5/8/01 12:00 AM			
GeoDesign Rep.: Andrew Elms		Depth (ft): 60.0			
Date Started: May 3, 2001		Date Finished: May 8, 01			
N. Coordinate: 771201		E. Coordinate: 498.0			
Ground Surface Elevation (feet): 529.5		Rig Type: Mobile Drill B-47 Truck			
Station: Other: 8		Other: 8			
Sample Information		Sample Description		Strata Description	
Depth (ft)	Blows / 6 inch interval	Symbol	Elevation & Depth (feet)	Strata Description	Well Log
0-6	6-12	12-18	18-24	Classification System: Bernier	
0			429.9	Glacial Till (Continued)	

(89-94): Hard drilling resistance on possible bedrock. Rock cored using BX (1.42" diameter). Core was Quartzite boulders to 94.1' with little Glacial Till between boulders.  
(95-97): Hard drilling resistance on probably bedrock.  
(98-109.8'): Rock cored using BX (1.42" diameter) core barrel sampler.

Notes:  
1) Stratification Lines Represent Approximate Boundary Between Material Types. Transitions May Be Gradual.  
2) 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.  
3) Sample Type Coding: A = Auger, C = Core, P = Piston Sampler, S = Split Barrel (split Spoon), St = Shelby Tube, V = Vane  
4) Proportions Used: Trace = 1-10%, Little = 10-20%, Some = 20-35%, And = 35-50%

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Boring Company: M and W Sells Engineering		Casing: SS			
Foreman: Mike Hitchcock		Date and Time: 7/12/01 8:00 AM			
GeoDesign Rep.: Andrew Elms		Depth (ft): 33.5			
Date Started: May 3, 2001		Date Finished: May 8, 01			
N. Coordinate: 771201		E. Coordinate: 498.0			
Ground Surface Elevation (feet): 529.5		Rig Type: Mobile Drill B-47 Truck			
Station: Other: 8		Other: 8			
Sample Information		Sample Description		Strata Description	
Depth (ft)	Blows / 6 inch interval	Symbol	Elevation & Depth (feet)	Strata Description	Well Log
0-6	6-12	12-18	18-24	Classification System: Bernier	
0			99.6	C1 Hard, light to dark gray, moderate fractures, quartz veins 1" thick, slight weathering.	
33.5			419.5	C2 Similar rock type to above, no quartz veining.	
			110.0	Bedrock (Quartzite and Schist) (Continued)	
			109.5	Bottom of Borehole at 109.5 ft	

(17): Ground surface elevation is estimated from topographic base plan based on locations taped from existing features and plotted by GeoDesign. Elevation data should be considered accurate only to the degree implied by the method used.  
(18-6'): HSA augered (5.25" I.D.) to 18.6' prior to installing NW casing.  
(4.0'): Very hard obstruction observed during HSA auger advance. HSA refusal at 4.0' on possible boulder. Boring B-3A moved approximately 3' west and continued. HSA to 4' at B-3B and continued sampling.  
(14.5-18.5'): Obstructions on possible cobbles between 4.5' and 18.5' depth. Obstruction at 6' SS sample.

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Boring Company: M and W Sells Engineering		Casing: SS			
Foreman: Mike Hitchcock		Date and Time: 4/14/01 8:15 AM			
GeoDesign Rep.: Jason Gaudette		Depth (ft): 8.0			
Date Started: April 19, 2001		Date Finished: Apr 19, 01			
N. Coordinate: 771201		E. Coordinate: 498.0			
Ground Surface Elevation (feet): 441.0		Rig Type: Astor Soil Mix Truck			
Station: Other: 8		Other: 8			
Sample Information		Sample Description		Strata Description	
Depth (ft)	Blows / 6 inch interval	Symbol	Elevation & Depth (feet)	Strata Description	Well Log
0-6	6-12	12-18	18-24	Classification System: Bernier	
0			440.5	S1 Very dense, brown, fine to medium SAND, little SIL, trace fine Gravel	
0			438.5	S2 Refusal, light brown, fine SAND, some SIL in spoon bit	
0			437.5	S3 Very dense, similar to SS sample S2, trace coarse SAND and oxidized partings	
0			435.5	S4 Very dense, light brown to beige, fine SAND and SIL, trace fine Gravel, wet	
0			422.5	S5 Refusal, Top 2" Similar to SS sample S4 Bottom 6" Greenish gray, fine to medium SAND, some SIL, trace Gravel, wet S6 Refusal, similar to Bottom 6" of SS sample S5	
0			18.5	C1 Hard, dark gray (fresh) to light gray (slightly weathered), banded metasedimentary with quartz veins and sulphide mineralization, moderately fractured. Slight HCl reaction.	
0			7	C2 Similar rock type to above, fresh	
			412.5	Bedrock (Quartzite-Schist)	
			28.5	Bottom of Borehole at 28.5 ft	

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(18.5'): High drilling resistance on possible bedrock. NW casing installed to 18.6'. Roller bit used to flush out hole prior to rock coring.  
(18.6'): Rock cored using BX (1.42" diameter) core barrel sampler.

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0-6	6-12	12-18	18-24	Classification System: Bernier	
0			440.5	0.5 Asphalt	
0			438.5	2.5 Boulder Fill	
0			437.5	3.5 Glacial Till with Cobbles/Boulders	
0			412.5	Bedrock (Quartzite-Schist) (Continued)	
0			28.5	Bottom of Borehole at 28.5 ft	

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