



BORING LOG

Bolton
IM 089-2(45)
I-89

Boring No.: **B-110**
Page No.: **1 of 2**
Pin No.: **13a090**
Checked By: **MLM**



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Boring Crew: <u>JUDKINS, HOOK</u>		Casing	Sampler	Groundwater Observations			
Date Started: <u>10/30/15</u>	Date Finished: <u>11/04/15</u>	Type: <u>WB</u>	<u>SS</u>	Date	Depth (ft)	Notes	
VTSPG NAD83: <u>N 685859.88 ft E 1531353.95 ft</u>		I.D.: <u>4 in</u>	<u>1.5 in</u>	11/02/15		No W.T. to 22 feet	
Station: <u>130+37</u>	Offset: <u>-35.60</u>	Hammer Wt: <u>N.A.</u>	<u>140 lb.</u>	11/03/15	35.0	W.T. before drilling	
Ground Elevation: <u>347.6 ft</u>		Hammer/Fall: <u>N.A.</u>	<u>30 in.</u>	11/04/15	34.5	W.T. before drilling	
		Hammer/Rod Type: <u>Auto/AWJ</u>					
		Rig: <u>CME 55 TRACK</u>	<u>C = 1.46</u>				

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Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-4, Si, brn, Moist, Rec. = 1.2 ft Field Note: Cobble and Boulders Field Note: Cleaned out with NXDC				1-1-2-8 (3)	22.8	1.9	9.8	88.3
5		A-4, SaSi, brn, Moist, Rec. = 1.3 ft				9-8-8-13 (16)	15.7	4.6	40.6	54.8
10		A-2-4, SiSaGr, gry-brn, Moist, Rec. = 0.8 ft, Lab Note: Broken rock was within sample Field Note: Cleaned out with NXDC				13-35-R@1" (R)	11.8	0.3	28.5	71.1
15		A-1-a, SaGr, gry, Moist, Rec. = 0.7 ft Field Note: Boulder Field Note: Cleaned out with NXDC				13-38-13-45 (51)	9.6	62.6	26.3	11.1
20		A-4, SiSa, brn, Moist, Rec. = 0.8 ft A-4, SaSi, Dk/gry, Moist, Rec. = 0.8 ft Field Note: Cleaned out with NXDC				12-13-9-9 (22)	17.0	4.8	48.1	47.1
25		A-4, SaSi, gry-orange, Moist, Rec. = 0.9 ft, Lab Note: Rust colored layers were within sample.				6-8-9-11 (17)	23.8	3.0	23.5	73.5
30		Field Note: Cleaned out with NXDC A-1-b, SaGr, orange-brn, Moist, Rec. = 0.8 ft, Lab Note: Sample had a slight rust color.				8-8-5-8 (13)	7.3	47.9	40.0	12.1
35		Field Note: Cleaned out with NXDC A-2-4, SiGrSa, brn, Moist, Rec. = 0.9 ft				15-3-4-8 (7)	14.2	25.3	54.4	20.3
		Field Note: Cleaned out with NXDC								

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
45		A-1-a, SaGr, gry-brn, Moist, Rec. = 0.9 ft, Lab Note: Broken rock was within sample Field Note: Cleaned out with NXDC				10-6-6-7 (12)	10.7	56.3	34.9	8.8
45		A-1-a, SaGr, brn-gry, Moist, Rec. = 0.2 ft, Lab Note: Broken rock was within sample				4-7-7-7 (14)	9.2	68.4	24.4	7.2
50		A-1-a, SaGr, brn-gry, Moist, Rec. = 0.7 ft				9-6-6-7 (12)	11.5	49.9	40.4	9.7
55		Field Note: Cleaned out with NXDC A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft				8-7-8-7 (15)	11.2	54.1	32.3	13.6
60		Field Note: Cleaned out with NXDC Visual Description: Broken Rock, Rec. = 0.2 ft				20-15-22-20 (37)	1.9			
65		63.7 ft - 68.7 ft. Light gray to green, Muscovite-biotite-chlorite-quartz-pyrite SCHIST, Light brown and orange staining on joints. Transitions to GREEN SCHIST at 64.8 feet. Massive quartz veins at 65.9-66.55 feet and at 67.0 and 67.5 feet. Hard, Very slightly weathered, Good rock, NX, RMR=62	1 (60-65)	90 (58)	4					
65		Top of Bedrock @ 63.7 ft								
70		Hole stopped @ 68.7 ft Remarks: Hole Collapsed at 35.4 feet.								
75										

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.

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