



Boring Crew: JUDKINS, HOOK  
Date Started: 10/21/15 Date Finished: 10/28/15  
VTSPG NAD83: N 685809.41 ft E 1531517.81 ft  
Station: 128+66 Offset: -36.80  
Ground Elevation: 347.1 ft

Type: \_\_\_\_\_  
I.D.: \_\_\_\_\_  
Casing **WB**  
Sampler **SS**  
Hammer Wt: N.A. 140 lb.  
Hammer Fall: N.A. 30 in.  
Hammer/Rod Type: Auto/AWJ  
Rig: CME 45C TRACK C = 1.34

Groundwater Observations		
Date	Depth (ft)	Notes
10/26/15	34.6	W.T. during drilling
10/27/15	34.9	W.T. during drilling
10/28/15	34.8	W.T. during drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-2-4, GrSiSa, brn, Moist, Rec. = 1.1 ft, Lab Note: Grass and grass roots were within sample.				2-2-3-4 (5)	13.6	24.1	46.0	29.9
		A-2-4, GrSiSa, brn, Moist, Rec. = 0.9 ft, Lab Note: Broken rock was within sample.				6-7-9-12 (16)	8.8	26.9	43.0	30.1
		A-4, GrSiSa, brn, Moist, Rec. = 1.9 ft				13-13-11-12 (24)	7.4	20.0	43.2	36.8
		A-4, SaSi, brn, Moist, Rec. = 1.5 ft				9-8-8-10 (16)	9.4	15.1	40.3	44.6
		A-4, SiSa, brn, Moist, Rec. = 1.8 ft				7-8-8-9 (16)	8.0	13.8	43.4	42.8
10		A-4, SiSa, brn, Moist, Rec. = 1.5 ft				10-17-12-18 (29)	10.1	19.5	41.2	39.3
		A-2-4, SiSa, brn, Moist, Rec. = 1.7 ft				16-16-15-13 (31)	10.2	13.2	57.4	29.4
		A-4, SiSa, Lt/brn-gry, Moist, Rec. = 1.2 ft				13-11-13-15 (24)	12.8	19.0	44.7	36.3
15		A-2-4, GrSiSa, Lt/brn, Moist, Rec. = 1.3 ft				15-13-15-15 (28)	12.1	20.1	46.7	33.2
		A-2-4, GrSiSa, Lt/brn-gry, Moist, Rec. = 0.9 ft				24-30-32 (82)	14.6	23.0	43.6	33.4
						R@3.5" (62)				
25		Field Note: Cleaned out with NXDC								
		A-4, Si, Lt/brn, Moist, Rec. = 0.6 ft, Lab Note: Sample tested non-plastic.				13-14-7-5 (21)	30.7	4.1	8.6	87.3
		Field Note: Cleaned out with NXDC								
30		Field Note: Cleaned out with NXDC								
		A-4, Si, Lt/brn-gry, Moist, Rec. = 1.9 ft, Lab Note: Sample tested non-plastic.				6-4-5-5 (9)	28.1	1.6	12.5	85.9
35		Field Note: Cleaned out with NXDC								
		A-4, SiSa, brn, Moist, Rec. = 1.6 ft				13-13-8-9 (21)	22.9	12.3	50.9	36.8
40		Field Note: Cleaned out with NXDC								
		A-1-b, GrSa, Lt/brn-orange, Moist, Rec. = 0.9 ft, Lab Note: Broken rock was within sample. Sample was rust colored.				12-13-17-15 (30)	15.6	38.4	42.6	19.0
45		Field Note: Cleaned out with NXDC								
		Field Note: No Recovery				3-5-8-12 (13)				

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.  
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55		A-1-b, GrSa, gry-brn, Moist, Rec. = 0.5 ft, Lab Note: Broken rock was within sample.				12-28-13-12 (41)	13.2	39.9	47.0	13.1
		Field Note: Cleaned out with NXDC A-1-b, SiSaGr, gry-brn, Moist, Rec. = 0.8 ft				30-20-10-17 (30)	11.4	45.7	34.0	20.3
60		Field Note: Cleaned out with NXDC								
		Field Note: No Recovery				7-6-3-5 (9)				
65		Field Note: Cleaned out with NXDC								
		A-1-b, SaGr, brn, Moist, Rec. = 1.3 ft, Lab Note: Broken rock was within sample.				25-30-20-22 (50)	10.3	45.7	39.0	15.3
70		Field Note: Cleaned out with NXDC								
		A-1-a, SaGr, gry-brn, Moist, Rec. = 0.5 ft, Lab Note: Broken rock was within sample. Field Note: Boulder present 70.9' to 74.0'.				45-R@5.0" (R)	10.0	56.5	32.0	11.5
75		Field Note: Cleaned out with NXDC								
		A-1-b, SaGr, gry-brn, MTW, Rec. = 1.4 ft				10-9-9-28 (18)	13.3	45.8	44.9	9.3
80		77.8 ft - 82.8 ft, Light gray, Muscovite-biotite-quartz SCHIST, with porphyroblasts of albite. Hard, Unweathered, Fair rock, BX, RMR=58	1 (80)	84 (78)	5					Top of Bedrock @ 77.8 ft
		82.8 ft - 87.8 ft, Light gray to silver, Muscovite-biotite-quartz SCHIST, with consistent 2 inch horizontal breaks (likely mechanical). Hard, Unweathered, Fair rock, BX, RMR=53	2 (70)	84 (84)	5					
85		Field Note: Cleaned out with NXDC								
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Hole stopped @ 87.8 ft										
90		Remarks: Hole Collapsed at 35.0 feet.								
		1.) CME 55 track drill used after 14.0 feet. (CE=1.46) 2.) Sleeved 3 inch casing into 4 inch casing at 70.0 feet. 3.) Added bentonite to drilling operation at 70.0 feet.								
95		Field Note: Cleaned out with NXDC								
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