



N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

PROJECT NO.		ID No.		COUNTY		GEOLOGIST						
SITE DESCRIPTION												
BORING NO.		BORING LOCATION		OFFSET		ALIGNMENT						
COLLAR ELEV.		NORTHING		EASTING		GROUND WATER (ft)						
TOTAL DEPTH		DRILL MACHINE		DRILL METHOD		HAMMER TYPE						
DATE STARTED		COMPLETED		SURFACE WATER DEPTH								
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100		
880.0												880.0 0.00
879.0	1.0	3	3	3								ALLUVIAL: Medium Stiff to Soft, Brown, Fine Sandy SILT with a Little Mica
876.5	3.5	1	2	1								874.5 5.5
874.0	6.0	1	2	1								ALLUVIAL: Soft, Brown, Fine Sandy, Silty CLAY with a Trace of Mica
871.5	8.5	2	1	3								869.0 11.0
866.5	13.5	1	1	2								ALLUVIAL: Very Loose, Brown, Silty Fine SAND with a Trace of Mica
861.5	18.5	11	10	11								863.5 16.5
856.5	23.5	4	15	13								860.5 19.5
851.5	28.5	13	40	33								RESIDUAL: Very Stiff to Hard, Tan, Saprolitic, Coarse to Fine Sandy SILT with Rock Fragments
846.5	33.5	45	55/0.4									848.0 32.0
843.2	36.8	60/0.3										WEATHERED ROCK: Brown with Grey, Severely Weathered, Soft to Medium Hard, Metamorphosed Granite with Very Close to Close Fracture Spacing
838.2	41.8	60/0.1										839.0 41.0
												CRYSTALLINE ROCK: Grey, Green, White to Tan, and Pink; Moderately Weathered; Medium Hard to Moderately Hard; Metamorphosed Granite with Very Close to Close Fracture Spacing
												818.2 61.8
												Coring Terminated at Elevation 818.2 feet in Crystalline Rock: Metamorphosed Granite
												Note: Bentonite mud slurry used as drilling fluid: Density = 63.0 lbs./cu. ft.

NCDOT BORE SINGLE 07104006.GPJ NC_DOT.GDT 7/13/04



CORE BORING REPORT
SHEET 23 OF 67

PROJECT NO.		ID No.		COUNTY		GEOLOGIST				
SITE DESCRIPTION										
BORING NO.		BORING LOCATION		OFFSET		ALIGNMENT				
COLLAR ELEV.		NORTHING		EASTING		GROUND WATER (ft)				
TOTAL DEPTH		DRILL MACHINE		DRILL METHOD		HAMMER TYPE				
DATE STARTED		COMPLETED		SURFACE WATER DEPTH						
CORE SIZE		TOTAL RUN		DRILLER						
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC. (%)	RQD (%)	SAMP. NO.	STRATA REC. (%)	RQD (%)	LOG	DESCRIPTION AND REMARKS
										Begin Coring @ 34.4 ft
845.6	34.4	2.4	1:10/0.4	(1.2)	(NA)		(1.7)	(NA)		WEATHERED ROCK: Brown with Grey, Severely Weathered, Soft to Medium Hard, Metamorphosed Granite with Very Close to Close Fracture Spacing Majority is very broken
843.2	36.8		2:12	50%			27%			
842.9	37.1	4.7	1:57	(1.2)	(0.0)					839.0 41.0
			2:51/0.7	26%	0%					
838.2	41.8		4:04				(17.8)	(4.1)		CRYSTALLINE ROCK: Grey, Green, White to Tan, and Pink; Moderately Weathered; Medium Hard to Moderately Hard; Metamorphosed Granite with Very Close to Close Fracture Spacing Majority of fabric and jts are iron stained Majority of jts @ 20° to 30° Numerous high angle open to partially open fractures Numerous partially healed low to high angle fractures Abundant feldspar porphyroblasts
838.1	41.9	4.9	4:32	(2.4)	(0.4)		86%	20%		
833.2	46.8		5:34	49%	8%					818.2 61.8
			7:13							
828.2	51.8	5.0	2:24/0.9	(4.8)	(1.1)					Coring Terminated at Elevation 818.2 feet in Crystalline Rock: Metamorphosed Granite Note: Bentonite mud slurry used as drilling fluid: Density = 63.0 lbs./cu. ft.
			3:26	96%	22%					
823.2	56.8		5:10	(5.0)	(1.0)					
			3:19	100%	20%					
818.2	61.8	5.0	9:20							
			4:08							
			3:26							
			2:54							
			5:01							
			12:57							

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