

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT CORE BORING REPORT

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG
SHEET 1 OF 1

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PROJECT NO. 33375.1.1		ID. B-4007		COUNTY ALLEGHANY		GEOLOGIST TJ ROBERSON								
SITE DESCRIPTION BRIDGE NO.38 OVER CRAB CREEK ON NC 18							GROUND WATER							
BORING NO. B1-A		BORING LOCATION 17+21.0		OFFSET 8.0 LT		ALIGNMENT -L-								
COLLAR ELEVATION 2408.3		NORTHING 1024858.5		EASTING 1411679.9		0 HR. 0.3 24 HR. 0.3								
TOTAL DEPTH 23.3		DRILL MACHINE CME 550X		DRILL METHOD ROTARY WLHQ		HAMMER TYPE 140LB. AUTO								
START DATE 06-09-05		COMPLETION DATE 06-10-05		SURFACE WATER DEPTH NA		DEPTH TO ROCK 1.8								
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT				SAMP. NUM.	MOI.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5'	0.5'	0.5'		0	25	50	75					100
2408.3	0.0	1	2	1	1.5								SS-3 SAT	ALLUVIUM: Very Loose, Tan, Slightly Micaceous Fine to Coarse SAND, Saturated, (A-1-b)
	1.8	60/0			0.0									CRYSTALLINE ROCK: Slight to Very Slight Weathering, Hard, Moderately Close to Close, Fracture Spacing, Gray, White, Black, Muscovite Biotite Gneiss, (CR)
2405.0														
2400.0														
2395.0														
2390.0														
2385.0	23.3													CORING TERMINATED AT AT ELEVATION 2385.0 FEET IN CRYSTALLINE ROCK (MUSCOVITE BIOTITE GNEISS)
2380.0														

PROJECT NO.: 33375.1.1		ID.: B-4007		COUNTY: Alleghany		GEOLOGIST: TJ Roberson			
SITE DESCRIPTION: Bridge No 38 over Crab Creek on NC 18							GROUNDWATER (Ft.)		
BORING NO.: B1-A		BORING LOCATION: 17+21.0		OFFSET: 8.0 LT		ALIGNMENT: -L-			
COLLAR ELEV.: 2408.3		NORTHING: 1024858.5		EASTING: 1411679.9		0 Hr.: 0.3 24 Hr.: 0.3			
TOTAL DEPTH: 23.3		DRILL MACHINE: CME 550 X		DRILL METHOD: Rotary		HAMMER TYPE: 140 LB AUTO			
DATE STARTED: 6/9/05		DATE COMPLETED: 6/9/05		SURFACE WATER DEPTH: N/A					
CORE SIZE: HQ		TOTAL RUN: 21.5		DRILLER: Ameridrill					
ELEV. (Ft.)	DEPTH (Ft.)	RUN (Ft.)	DRILL RATE (Min/Ft.)	RUN		SAMP. NO.	STRATA		DESCRIPTION AND REMARKS
				REC %	RQD %		REC %	RQD %	
2406.5	1.8	1	3:45	1.3	0.7		20.9	17.7	2406.5 1.8 Slight to Very Slight Weathering, Hard, Moderately Close to Close Fracture Spacing, Gray, Black, White Muscovite Biotite Gneiss (CR) (6.4 - 6.7) Moderate Weathering
			1:41/0.5						
2405.0	3.3	1.5		87	47				
2405.0	3.3	2	3:14	4.6	3.6				
			3:12			RS-1			(4.20-4.62)
			3:32						
			3:51						
			3:48						
2400.0	8.3	5.0		92	72				
2000.0	8.3	3	3:42	5.0	4.6				
			3:51			RS-2			(9.30-9.72)
			3:58						
			4:02						
2395.0	13.3	5.0	3:56	100	92				
2395.0	13.3	4	3:47	5.0	3.8				
			4:11						
			4:01						
			4:15						
2390.0	18.3	5.0	4:12	100	76				
2390.0	18.3	5	3:38	5.0	5.0				
			3:40						
			3:41						
			3:52						
2385.0	23.3	5.0	3:55	100	100		97	82	2385.0 23.3