

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT CORE BORING REPORT

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

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-B		BORING LOCATION 17+12.0		OFFSET 8.0 RT		ALIGNMENT -L-							
COLLAR ELEVATION 2407.5		NORTHING 1024841.6		EASTING 1411686.5		0 HR. 0.5 24 HR. 0.5							
TOTAL DEPTH 22.7		DRILL MACHINE CME 550X		DRILL METHOD ROTARY		HAMMER TYPE 140LB. AUTO							
START DATE 06-09-05		COMPLETION DATE 06-09-05		SURFACE WATER DEPTH NA		DEPTH TO ROCK 1.9							
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				
2407.5	0.0	1	1	2	1.5								ALLUVIUM: Very Loose, Tan, Slightly Micaceous, Fine to Coarse SAND, Saturated, (A-3)
2405.0	1.9	60/0			0.0								CRYSTALLINE ROCK: Moderate to Slight Weathering, Moderately Hard to Hard, Close to Moderately Close Fracture Spacing Gray, White, Black, Muscovite Biotite Gneiss, (CR)
2400.0													
2395.0													
2390.0													
2385.0	22.7												CORING TERMINATED AT ELEVATION 2384.8 FEET IN CRYSTALLINE ROCK (MUSCOVITE BIOTITE GNEISS)
2380.0													

SHEET 1 OF 1

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-B		BORING LOCATION: 17+12.0		OFFSET: 8.0 RT		ALIGNMENT: -L-			
COLLAR ELEV.: 2407.5		NORTHING: 1024841.6		EASTING: 1411686.5		0 Hr.: 0.5 24 Hr.: 0.5			
TOTAL DEPTH: 22.7		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: 20.8		DRILLER: Ameridrill					
ELEV. (Ft.)	DEPTH (Ft.)	RUN (Ft.)	DRILL RATE (Min/Ft.)	RUN		SAMP. NO.	STRATA		DESCRIPTION AND REMARKS
				REC %	RQD %		REC %	RQD %	
2405.6	1.9	1	1:15/0.8	0.8	0.0		20.6	16.3	2405.6 1.9 Moderate to Slight Weathering, Moderately Hard to Hard, Close to Moderately Close Fracture Spacing, Gray White Black Muscovite Biotite Gneiss (CR)
2404.8	2.7	0.8		100	0				
2404.8	2.7	2	2:52	4.9	2.9				
			2:57						
			3:13						
			3:26						
			3:11						
2399.8	7.7	5.0		98	58				
2399.8	7.7	3	3:41	5.0	4.9				
			3:48						
			3:31			RS-3			(9.50-9.92)
			3:26						
2394.8	12.7	5.0	3:51	100	98				
2394.8	12.7	4	3:49	5.0	4.7				
			3:11						
			3:21						
			3:17						
2389.8	17.7	5.0	3:43	100	94				
2389.8	17.7	5	3:50	4.9	3.8				
			3:46						
			3:42						
			3:52						
2384.8	22.7	5.0	3:55	98	76		99	78	2384.8 22.7