

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT CORE BORING REPORT

SHEET 1 OF 1

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. EB1-B1		BORING LOCATION 16+19.0		OFFSET 7.5 RT		ALIGNMENT -L-				
COLLAR ELEVATION 2424.7		NORTHING 1024769.4		EASTING 1411628.0		0 HR. 15.2				
TOTAL DEPTH 16.3		DRILL MACHINE CME 550X		DRILL METHOD ROTARY		HAMMER TYPE 140LB. AUTO				
START DATE 06-10-05		COMPLETION DATE 06-10-05		SURFACE WATER DEPTH NA		DEPTH TO ROCK 6.3				
ELEV.	DEPTH (FT.)	BLOW COUNT	PEN. (FT.)	BLOWS PER FOOT				SAMP. NUM.	LOG	SOIL AND ROCK DESCRIPTION
		0.5'	0.5'	0.5'	0	25	50			
2424.7										2424.7 0.0 AUGER PROBE: Refer to EB1-B log for soil description
2418.4										2418.4 6.3 CRYSTALLINE ROCK: Slight Weathering, Hard, Moderately Close to Close Fracture Spacing, Gray, White, Black, Muscovite Biotite Gneiss, (CR)
2410.0										2408.4 16.3 CORING TERMINATED AT ELEVATION 2408.4 FEET IN CRYSTALLINE ROCK (MUSCOVITE BIOTITE GNEISS)

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.: EB1-B1		BORING LOCATION: 16+19.0		OFFSET: 7.5 RT		ALIGNMENT: -L-			
COLLAR ELEV.: 2424.7		NORTHING: 1024769.4		EASTING: 1411628.0		0 Hr.: 15.2			
TOTAL DEPTH: 16.3		DRILL MACHINE: CME 550 X		DRILL METHOD: Rotary		HAMMER TYPE: 140 LB AUTO			
DATE STARTED: 6/10/05		DATE COMPLETED: 6/10/05		SURFACE WATER DEPTH: N/A					
CORE SIZE: HQ		TOTAL RUN: 10.0		DRILLER: Ameridrill					
ELEV. (Ft.)	DEPTH (Ft.)	RUN (Ft.)	DRILL RATE (Min/Ft.)	RUN		SAMP. NO.	STRATA		DESCRIPTION AND REMARKS
				REC %	RQD %		REC %	RQD %	
2418.4	6.3	1	2:01/0.9	0.7	0.4		9.5	5.3	2418.4 6.3 Slight Weathering, Hard, Moderately Close to Close Fracture Spacing, Gray, White Black Muscovite Biotite Gneiss
2417.5	7.2	0.9		78	44				
2417.5	7.2	2	2:07	4.7	1.7	RS-4			(7.20-7.62)
			1:06						
			1:57						
			1:51						
			1:56						
2412.5	12.2	5.0		94	34				
2412.5	12.2	3	1:52	4.1	3.2				
			2:08						
			1:57						
			1:18						
2408.4	16.3	4.1	0:27/0.1	100	78		95	53	2408.4 16.3