

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. EB2-B1		BORING LOCATION 17+81.0		OFFSET 13.5 RT	ALIGNMENT -L-		0 HR. 18.0				
COLLAR ELEVATION 2424.2		NORTHING 1024892.1		EASTING 1411733.9		24 HR. DRY					
TOTAL DEPTH 19.4		DRILL MACHINE CME 550X		DRILL METHOD ROTARY WLHQ		HAMMER TYPE 140LB. AUTO					
START DATE 06-10-05		COMPLETION DATE 06-10-05		SURFACE WATER DEPTH NA		DEPTH TO ROCK 9.4					
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT 0.5' 0.5' 0.5'	PEN. (FT.)	BLOWS PER FOOT				SAMP. NUM.	MOI.	LOG	SOIL AND ROCK DESCRIPTION
				0	25	50	75				
2424.2											2424.2 0.0 AUGER PROBE: Refer to EB2-B log for soil description
2420.0											
2415.0											2414.8 9.4 CRYSTALLINE ROCK: Moderate Weathering, Moderately Hard, Moderately Close to Close Fracture Spacing, Gray, White, Black, Muscovite Biotite Gneiss, (CR)
2410.0											2411.8 12.4 CRYSTALLINE ROCK: Slight Weathering, Hard, Moderately Close Fracture Spacing, Gray, White, Black, Muscovite Biotite Gneiss, (CR)
2405.0	19.4										2404.8 19.4 CORING TERMINATED AT ELEVATION 2404.8 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.: EB2-B1			BORING LOCATION: 17+79.0			OFFSET: 15.0 RT			ALIGNMENT: -L-		
COLLAR ELEV.: 2424.2			NORTHING: 1024892.1			EASTING: 1411733.9			0 Hr.: 18.0		
TOTAL DEPTH: 19.4			DRILL MACHINE: CME 550 X			DRILL METHOD: Rotary			24 Hr.: Dry		
DATE STARTED: 6/10/05			DATE COMPLETED: 6/10/05			SURFACE WATER DEPTH: N/A			HAMMER TYPE: 140 LB AUTO		
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 %			
2414.8	9.4	1	2:04	3.0	2.7		3.0	2.7	2414.8 9.4 Moderate Weathering, Moderately Hard, Moderately Close to Close Fracture Spacing, Gray, White, Black Muscovite Biotite Gneiss (CR)		
			1:34								
			1:32								
2411.8	12.4	3.0		100	90		100	90	2411.8 12.4		
2414.8		2	1:41	5.0	4.5				Slight Weathering, Hard, Moderately Close Fracture Spacing, Gray, White, Black Muscovite Biotite Gneiss (CR)		
			1:17								
			1:21								
			1:08								
			1:10	100	90						
2406.8	17.4	5.0									
2406.8		3	2:11	2.0	1.6						
			2:15								
2404.8	19.4	2.0		100	80		100	87	2404.8 19.4		