

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.2700501		ID B-3403		COUNTY ALLEGHANY		GEOLOGIST D.O. CHEEK (LOGGER)							
SITE DESCRIPTION BRIDGE # 53 ON SR 1422 OVER BRUSH CREEK							GND WATER						
BORING NO B1-A		NORTHING 0.00		EASTING 0.00		0 HR N/A							
ALIGNMENT -L-		BORING LOCATION 14+96		OFFSET 7' RT		24 HR N/A							
COLLAR ELEV 2497.78ft		TOTAL DEPTH 18.40ft		START DATE 3/13/01		COMPLETION DATE 03/13/01							
DRILL MACHINE CME-550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH			DEPTH TO ROCK 5.70ft			Log B1-A, Page 1 of 1							
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75				100
2497.78													Ground Surface
	5.00	100			0.4								ALLUVIUM: SAND WITH GRAVELS, COBBLES AND BOULDERS
2490.00													WEATHERED ROCK: SAND
													CR: INTLYD SCHIST & GNEISS REC=83% RQD=72%
													CR: INTERLAYERED SCHIST AND GNEISS REC=98% RQD=65%
													CR: INTERLAYERED SCHIST & GNEISS REC=98% RQD=76%
2480.00 2479.38													BORING TERMINATED AT ELEVATION 2479.38 FT. IN INTERLAYERED MICA SCHIST AND MUSCOVITE-BIOTITE GNEISS.

CORE BORING REPORT							DATE 4/17/01
PROJECT: 8.2700501		I. D. NO: B-3403		BORING NO: B1-A		GEOLOGIST: D.P. MURPHY	
DESCRIPTION: BRIDGE NO. 53 ON S.R. 1422 OVER BRUSH CREEK							
COUNTY: ALLEGHANY		COLLAR ELEVATION: 2497.8 FT.		TOTAL DEPTH: 18.4 FT.			
ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2492.1	5.7			2.4	2.1		
			2.9	83	72		
2489.2	8.6						Very slightly weathered to fresh, generally hard with medium hard layer from 11.7' to 13.0', interlayered mica schist and muscovite-biotite gneiss with quartzite veins not exceeding 0.3', closely to moderately closely fractured, garnetiferous and chloritic in areas, light grey in color. Unrecovered severely weathered zone from 7.1' to 7.6'.
2489.2	8.6		4.9	4.8	3.2	RS-1	
				98	65		
2484.3	13.5						
2484.3	13.5		4.9	4.8	3.7		
				98	76		
2479.4	18.4						
CORING TERMINATED AT ELEVATION 2479.4 FT.							
DRILLER: J.T. WILLIAMS		CORE SIZE: NXWL		EQUIPMENT: CME-550			