

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 EB2-B		NORTHING 0.00		EASTING 0.00		0 HR 5.20ft	24 HR 5.20ft							
ALIGNMENT -L-		BORING LOCATION 15+72		OFFSET 37' RT										
COLLAR ELEV 2509.20ft		TOTAL DEPTH 18.40ft		START DATE 3/07/01		COMPLETION DATE 03/08/01								
DRILL MACHINE CME-550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH N/A			DEPTH TO ROCK 4.80ft			Log EB2-B, 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				
2509.20														Ground Surface
	4.80	100			0.0									ARTIFICIAL FILL: DARK BROWN MICACEOUS SILTY SAND
														CR: MOD.-SEV. WEATHERED GNEISS
2500.00														CR: INTERLAYERED SCHIST AND GNEISS REC=96% RQD=75%
														CR: INTERLAYERED SCHIST AND GNEISS REC=98% RQD=90%
														CR: INTERLAYERED SCHIST AND GNEISS REC=98% RQD=98%
2490.80														BORING TERMINATED AT ELEVATION 2490.80 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: EB2-B		GEOLOGIST: D.P. MURPHY	
DESCRIPTION: BRIDGE NO. 53 ON S.R. 1422 OVER BRUSH CREEK							
COUNTY: ALLEGHANY		COLLAR ELEVATION: 2509.2 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
2503.5	5.7		2.8	2.7	2.1		Fresh, hard, interlayered mica schist and muscovite-biotite gneiss, closely to moderately closely fractured, garnetiferous, calcite on some joint faces, light grey color, joint angles are @ 55-65 degrees.
				96	75		
2500.7	8.5						
2500.7	8.5		5.0	4.9	4.5		
				98	90		
2495.7	13.5						
2495.7	13.5		4.9	4.8	4.8		
				98	98		
2490.8	18.4						
CORING TERMINATED AT ELEVATION 2490.8 FT.							
DRILLER: J.T. WILLIAMS		CORE SIZE: NXWL		EQUIPMENT: CME-550			