

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-B		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -L-		BORING LOCATION 14+82		OFFSET 41' RT		24 HR N/A								
COLLAR ELEV 2497.09ft		TOTAL DEPTH 18.60ft		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 0.60ft			DEPTH TO ROCK 5.10ft			Log B1-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				
2497.69														Surface Water Grounds
	5.10	100		0.2										ALLUVIUM: SAND, GRAVELS COBBLES, BOULDERS
2490.00														WEATHERED ROCK
														CR: INTLYD SCHIST/GNEISS REC= 100% RQD=90%
														CR: INTERLAYERED SCHIST AND GNEISS REC=100% RQD=78%
														CR: INTERLAYERED SCHIST AND GNEISS REC=100% RQD=100%
2480.00														BORING TERMINATED AT ELEVATION 2478.49 FT. IN INTERLAYERED MICA SCHIST AND MUSCOVITE-BIOTITE GNEISS.
2478.49														

CORE BORING REPORT							DATE 4/17/01
PROJECT: 8.2700501		I. D. NO: B-3403		BORING NO: B1-B		GEOLOGIST: D.P. MURPHY	
DESCRIPTION: BRIDGE NO. 53 ON S.R. 1422 OVER BRUSH CREEK							
COUNTY: ALLEGHANY		COLLAR ELEVATION: 2497.1 FT.		TOTAL DEPTH: 18.6 FT.			
ELEV. (FEET)	DEPTH (FEET)	DRILL RATE (MIN./FT.)	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2491.1	6.0			2.9	2.6		Fresh, hard, interlayered mica schist and muscovite-biotite gneiss, crystalloblastic, very closely to closely spaced fracturing from 11.6' to 13.4', otherwise generally widely spaced fracturing. Variable foliation, fractures along foliation with joint angles at @ 70-75 degrees, light grey in color.
			2.9	100	90		
2488.2	8.9						
2488.2	8.9		4.9	100	78		
2483.3	13.8						
2483.3	13.8		4.8	100	100	RS-2	
2478.5	18.6						
CORING TERMINATED AT ELEVATION 2478.5 FT.							
DRILLER: J.T. WILLIAMS		CORE SIZE: NXWL		EQUIPMENT: CME-550			