

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 B2-A		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT -L-		BORING LOCATION 15+46		OFFSET 7' RT		24 HR N/A						
COLLAR ELEV 2504.49ft		TOTAL DEPTH 18.70ft		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 8.20ft			Log B2-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			
2504.49												Ground Surface
2500.00	5.20	5	7	3	1.0							ALLUVIUM: SL. SD. W/GR. ALLUVIUM: SAND, GRAVEL, COBBLES AND BOULDERS
2490.00												WEATHERED ROCK CR: INTERLAYERED SCHIST AND GNEISS REC=95% RQD=79%
2485.79												CR: INTERLAYERED SCHIST AND GNEISS REC=98% RQD=80%
BORING TERMINATED AT ELEVATION 2485.79 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: B2-A		GEOLOGIST: D.P. MURPHY	
DESCRIPTION: BRIDGE NO. 53 ON S.R. 1422 OVER BRUSH CREEK							
COUNTY: ALLEGHANY		COLLAR ELEVATION: 2504.5 FT.		TOTAL DEPTH: 18.7 FT.			
ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2496.3	8.2		5.6	5.3	4.4	RS-3	Very slightly weathered to fresh, hard, interlayered mica schist and muscovite-biotite gneiss, closely to moderately closely spaced fracturing, garnetiferous throughout, chloritic in areas, light grey in color, amphibole layer with healed calcite fractures from 18.25' to 18.35', joint angles are @ 50-55 degrees.
2490.7	13.8			95	79		
2490.7	13.8		4.9	4.8	3.9		
2485.8	18.7			98	80		
CORING TERMINATED AT ELEVATION 2485.8 FT.							
DRILLER: J.T. WILLIAMS		CORE SIZE: NXWL		EQUIPMENT: CME-550			