

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-B		NORTHING 0.00		EASTING 0.00		0 HR N/A							
ALIGNMENT -L-		BORING LOCATION 15+32		OFFSET 38' RT		24 HR N/A							
COLLAR ELEV 2500.88ft		TOTAL DEPTH 22.10ft		START DATE 3/12/01		COMPLETION DATE 03/12/01							
DRILL MACHINE CME-550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH N/A			DEPTH TO ROCK 6.30ft			Log B2-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
2500.88													
	3.70	1	0	1	1.0								Ground Surface
2490.00													ALLUVIUM: GREY TO TAN FINE TO COARSE GRAINED SILTY SAND & GRAVELS
													ALLUVIUM: SD. GRVL. COBS.
													CR: INTERLYD SCHIST & GNEISS REC=90% RQD=90%
													CR: INTERLAYERED SCHIST AND GNEISS REC=100% RQD=94%
													CR: INTERLAYERED SCHIST AND GNEISS REC=100% RQD=92%
													CR: INTERLAYERED SCHIST AND GNEISS REC=96% RQD=84%
2480.00													
2478.78													BORING TERMINATED AT ELEVATION 2478.78 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-B		GEOLOGIST: D.P. MURPHY	
DESCRIPTION: BRIDGE NO. 53 ON S.R. 1422 OVER BRUSH CREEK							
COUNTY: ALLEGHANY		COLLAR ELEVATION: 2500.9 FT.		TOTAL DEPTH: 22.1 FT.			
ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2494.6	6.3		1.1	1.0	1.0		Fresh, hard, interlayered mica schist and muscovite-biotite gneiss, closely to moderately closely fractured, garnetiferous and chloritic in areas, light grey in color, some calcitic healed fractures and calcite on some joint faces. Joint angles are @ 60 degrees.
2493.5	7.4			91	91		
2493.5	7.4						
			4.9	4.9	4.6		
				100	94		
2488.6	12.3						
2488.6	12.3		4.9	4.9	4.5	RS-4	
				100	92		
2483.7	17.2						
2483.7	17.2		4.9	4.7	4.1		
				96	84		
2478.8	22.1						
CORING TERMINATED AT ELEVATION 2478.8 FT.							
DRILLER: J.T. WILLIAMS		CORE SIZE: NXWL		EQUIPMENT: CME-550			