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 EB1-A	**NORTHING** 0.00	**EASTING** 0.00	**0 HR** 2.30ft
ALIGNMENT -L-	**BORING LOCATION** 14+53	**OFFSET** 13' RT	**24 HR** 2.30ft
COLLAR ELEV 2507.59ft	**TOTAL DEPTH** 28.80ft	**START DATE** 3/08/01	**COMPLETION DATE** 03/08/01
DRILL MACHINE CME-550	**DRILL METHOD** SPT CORE BORING		**HAMMER TYPE** AUTOMATIC
SURFACE WATER DEPTH	**DEPTH TO ROCK** 13.70ft		**Leg EB1-A, Page 1 of 1**

ELEV	DEPTH	BLOW CT 6in	BLOW CT 6in	BLOW CT 6in	PEN (ft)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
2507.59						Ground Surface				
										EMBANKMENT: SL.SD.W/GR
										RED-BROWN SILTY SAND WITH GRAVEL
2500.00	5.90	10	7	7	1.0	14	SS-1			
										ALLUVIUM: SD.,GR. & COBS.
	10.90	100			0.4	100	SS-2			WEATHERED ROCK: SL. SD.
							CORE #1			CR: INTERLAYERED SCHIST AND GNEISS REC=43% RQD=0.0%
2490.00										
							CORE #2			CR: INTERLAYERED SCHIST AND GNEISS REC=100% RQD=86%
							CORE #3			CR: INTERLAYERED SCHIST AND GNEISS REC=98% RQD=84%
2480.00										
2478.79						BORING TERMINATED AT ELEVATION 2478.79 FT. IN INTERLAYERED MICA SCHIST AND MUSCOVITE-BIOTITE GNEISS.				

SHEET 1 OF 1

DATE 4/17/01

CORE BORING REPORT

PROJECT: 8.2700501 I. D. NO: B-3403 BORING NO: EB1-A GEOLOGIST: D.P. MURPHY

DESCRIPTION: BRIDGE NO. 53 ON S.R. 1422 OVER BRUSH CREEK

COUNTY: ALLEGHANY COLLAR ELEVATION: 2507.6 FT. TOTAL DEPTH: 28.8 FT.

ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2493.9	13.7		5.3	2.3 / 43	0.0 / 0		
2488.6	19.0						
2488.6	19.0		4.9	4.9 / 100	4.2 / 86		Slightly weathered to fresh, moderately hard to hard, interlayered mica schist and muscovite-biotite gneiss, very closely fractured from 13.7' to 18.25', closely to moderately closely fractured from 18.25' to 28.8', garnetiferous and chloritic in areas, light grey in color, joint angles are @ 50-55 degrees. Unrecovered severely weathered zone from 14.7' to 17.7' .
2483.7	23.9						
2483.7	23.9		4.9	4.8 / 98	4.1 / 84		
2478.8	28.8						

CORING TERMINATED AT ELEVATION 2478.8 FT.

DRILLER: J.T. WILLIAMS CORE SIZE: NXWL EQUIPMENT: CME-550