

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-B		NORTHING 0.00		EASTING 0.00		0 HR 3.80ft								
ALIGNMENT -L-		BORING LOCATION 14+43		OFFSET 38' RT		24 HR 3.80ft								
COLLAR ELEV 2506.11ft		TOTAL DEPTH 23.50ft		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 11.30ft			Log EB1-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	
2506.11													Ground Surface	
2500.00	5.00	10	31	20	1.0								51	ALLUVIUM: TAN-WHITE SILTY SAND
	10.00	50			0.0								50	ALLUVIUM: INTERLAYERED SAND, GRAVEL & COBBLES
2490.00														WEATHERED ROCK
														CR: INTLYD SCHIST/GNEISS REC=71% RQD=17%
														CR: INTERLAYERED SCHIST & GNEISS REC=98% RQD= 94%
														CR: INTERLAYERED SCHIST AND GNEISS REC= 98% RQD=94%
2482.61														BORING TERMINATED AT ELEVATION 2482.61 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: EB1-B GEOLOGIST: D.P. MURPHY

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

COUNTY: ALLEGHANY COLLAR ELEVATION: 2506.1 FT. TOTAL DEPTH: 23.5 FT.

ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2494.8	11.3		2.4	1.7	0.4		Very slightly weathered to fresh, interlayered mica schist and muscovite-biotite gneiss, very closely to closely fractured from 11.3' to 14.5', otherwise moderately closely fractured, light grey color, joint angles are @ 60-70 degrees. Unrecovered severely weathered rock zones from 11.3' to 12.0' and 13.7' to 13.9'.
				71	17		
2492.4	13.7						
2492.4	13.7		4.9	4.8	4.2		
				98	86		
2487.5	18.6						
2487.5	18.6		4.9	4.8	4.6		
				98	94		
2482.6	23.5						

CORING TERMINATED AT ELEVATION 2482.6 FT.

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