

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 EB2-A		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -L-		BORING LOCATION 15+83		OFFSET 4' RT		24 HR N/A								
COLLAR ELEV 2509.45ft		TOTAL DEPTH 16.90ft		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 5.10ft			Log EB2-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	100				
2509.45														Ground Surface
	5.10	1	3	100	0.4									ARTIFICIAL FILL: SLIGHTLY MICACEOUS SILTY SAND
														ALLUVIUM: SILTY SAND WITH GRAVEL
2500.00														WEATHERED ROCK
														CR: INTLYD SCHIST AND GNEISS REC=83%RQD=66%
														CR: INTERLAYERED SCHIST AND GNEISS REC=90% RQD=78%
														CR: INTERLAYERED SCHIST AND GNEISS REC=100% RQD=90%
2492.55														BORING TERMINATED AT ELEVATION 2492.55 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:	EB2-A	GEOLOGIST:	D.P. MURPHY
DESCRIPTION:	BRIDGE NO. 53 ON S.R. 1422 OVER BRUSH CREEK						
COUNTY:	ALLEGHANY	COLLAR ELEVATION:	2509.5 FT.	TOTAL DEPTH:	16.9	FT.	
ELEV. (FEET)	DEPTH (FEET)	DRILL RATE (MIN./FT.)	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2502.9	6.6		2.4	2.0	1.6		Very slightly weathered to fresh, hard, interlayered mica schist and muscovite-biotite gneiss, with quartzite veins not exceeding 0.2' in thickness, closely to moderately closely fractured, garnetiferous and chloritic in areas, light grey in color. Unrecovered severely weathered zones from 9.0' to 9.5'.
2500.5	9.0			83	67		
2500.5	9.0		4.9	4.4	3.8		
2495.6	13.9			90	78		
2495.6	13.9		3.0	3.0	2.7		
2492.6	16.9			100	90		
CORING TERMINATED AT ELEVATION 2492.6 FT.							
DRILLER: J.T. WILLIAMS		CORE SIZE: NXWL		EQUIPMENT: CME-550			