

**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG**

PROJECT NO 8.2711301		ID B-2905		COUNTY ASHE		GEOLOGIST RIDDLE, R.E.						
SITE DESCRIPTION BRIDGE NO. 113 ON SR-1179 OVER S. FORK NEW RIVER						GND WATER 0 HR N/A						
BORING NO EB1-B		NORTHING 0.00		EASTING 0.00		24 HR 3.40ft						
ALIGNMENT -L-		BORING LOCATION 17+10.000		OFFSET 15.00ft RT								
COLLAR ELEV 2827.27ft		TOTAL DEPTH 18.10ft		START DATE 3/14/00		COMPLETION DATE 03/14/00						
DRILL MACHINE CME-550		DRILL METHOD SPT CORE BORING		HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH		DEPTH TO ROCK 8.30ft		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			
2827.27												Ground Surface
	3.20	0	4	1	1.0	5						EMBANKMENT: ROCK FRAGS.
2820.00	8.30	100	0	0	0.0							ALLUVIUM: BROWN, SLIGHTLY MICACEOUS, SANDY SILT.
												SAPROLITE: BRN, SILTY SAND.
												SWR/HWR: SILTY SAND.
												GRAY-WHITE, F.-GRAINED MIC. GNEISS. REC: 98% RQD: 98%
												FRESH, HARD, VARIABLY FLOW-BANDED, MICACEOUS GNEISS. REC: 98% RQD: 80%
2810.00												
2809.17												BORING TERMINATED IN ROCK (MICACEOUS GNEISS) AT ELEVATION 2809.17 FEET.

CORE BORING REPORT							DATE <u>04/12/2000</u>
PROJECT: <u>8.2711301</u>		I. D. NO: <u>B-2905</u>		BORING NO: <u>EB1-B</u>		GEOLOGIST: <u>J.W. MANN</u>	
DESCRIPTION: <u>BRIDGE NO. 113 ON SR-1179 OVER SOUTH FORK NEW RIVER</u>							
COUNTY: <u>ASHE</u>		COLLAR ELEVATION: <u>2827.3</u> FT.		TOTAL DEPTH: <u>18.1</u> FT.			
ELEV. (FEET)	DEPTH (FEET)	DRILL RATE (MIN./FT.)	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2819.0	8.3			4.7	4.7		GRAY-WHITE, HIGHLY VARIABLY FLOW-BANDED, FINE-GRAINED MICACEOUS GNEISS. ROCK IS HARD, FRESH, AND GENERALLY SLIGHTLY FRACTURED TO SOUND.
			4.8	98	98		
2814.2	13.1						4 JOINTS @ 0-30° ADS = 0.43 ft. ADT = 0.01 ft. 4 JOINTS @ 30-60° ADS = 1.92 ft. ADT = 0.02 ft.
2814.2	13.1			4.9	4.0		
			5.0	98	80		STRATA REC = 98% STRATA RQD = 89%
2809.2	18.1						[18.1 ft.]
2809.2	18.1						
CORING TERMINATED AT ELEVATION 2809.2 FT.							
DRILLER: <u>D.O. CHEEK</u>		CORE SIZE: <u>NXWL</u>		EQUIPMENT: <u>CME-550</u>			