

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

9/22
SHEET 1 OF 1

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								
BORING NO B1-A						0 HR N/A								
ALIGNMENT -L-						24 HR 2.00ft								
COLLAR ELEV 2824.55ft		TOTAL DEPTH 27.10ft		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 8.20ft		Log B1-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				
2824.55														Ground Surface
2820.00	2.60	100	0	0	.01									ALLUVIUM: BRN, SLI. MIC., SDY. SILT W/ OCCAS. GRAVEL.
														ALLUVIUM: BRN & WHITE BOULDERS W/ SOME SDY. SILT
	7.60	100	0	0	.01									SAPROLITE: BRN, SILTY SAND SWR/HWR: SILTY SAND.
														BRN-GRAY, HARD, MIC. GNEISS. REC: 98% RQD: 22%
2810.00														GRAY-WHITE, FRESH, HARD, PHYLLITIC MICACEOUS GNEISS. REC: 100% RQD: 82%
														GRAY-WH, FINELY LAMINATED, PHYLLITIC MICACEOUS GNEISS. REC: 100% RQD: 88%
2800.00														MOSTLY SLIGHTLY FRACTURED, FRESH, PHYLLITIC MIC. GNEISS. REC: 100% RQD: 84%
2797.45														BORING TERMINATED IN ROCK (MICACEOUS GNEISS) AT ELEVATION 2797.45 FEET.

CORE BORING REPORT							DATE
PROJECT: 8.2711301 I. D. NO: B-2905 BORING NO: B1-A GEOLOGIST: J.W. MANN							04/13/2000
DESCRIPTION: BRIDGE NO. 113 ON SR-1179 OVER SOUTH FORK NEW RIVER							
COUNTY: ASHE		COLLAR ELEVATION: 2824.6 FT.		TOTAL DEPTH: 27.1 FT.			
ELEV. (FEET)	DEPTH (FEET)	DRILL RATE (MIN./FT.)	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2816.4	8.2		4.1	4.0	0.9		BRN-GRAY, VARIABLY FLOW-BANDED MIC. GNEISS. ROCK IS HARD, MOD. WEATHERED TO FRESH, & GENERALLY EXTREMELY TO MOD. FRAC. 7 JOINTS @ 0-30° ADS = 0.55 ft. ADT = 0.02 ft. 11 JOINTS @ 30-60° ADS = 0.36 ft. ADT = < 0.01 ft. 1 JOINT @ 70° [12.3 ft.]
				98	22		
2812.3	12.3			5.0	4.1		GRAY TO WHITE, FINELY LAMINATED TO VARIABLY FLOW-BANDED, PHYLLITIC MICACEOUS GNEISS. ROCK IS HARD, FRESH, AND AVERAGES SLIGHTLY FRACTURED.
2812.3	12.3		5.0	100	82		
2807.3	17.3						3 JOINTS @ 0-30° ADS = 3.08 ft. ADT = < 0.01 ft. 25 JOINTS @ 30-60° ADS = 0.60 ft. ADT = < 0.01 ft. 4 JOINTS @ 60-90° ADS = 0.67 ft. ADT = < 0.01 ft.
2807.3	17.3		4.9	4.9	4.3	RS-5	
2802.4	22.2						STRATA REC = 100% STRATA RQD = 84%
2802.4	22.2		4.9	4.9	4.1		
				100	84		
2797.5	27.1						[27.1 ft.]
2797.5	27.1						
CORING TERMINATED AT ELEVATION 2797.5 FT.							
DRILLER: D.O CHEEK		CORE SIZE: NXWL		EQUIPMENT: CME-550			