

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

11/22
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 B2-C		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -L-		BORING LOCATION 18+60.000		OFFSET 0.00ft		24 HR N/A								
COLLAR ELEV 2816.17ft		TOTAL DEPTH 17.20ft		START DATE 3/15/00		COMPLETION DATE 03/15/00								
DRILL MACHINE CME-550			DRILL METHOD CORE BORING			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH 2.80ft			DEPTH TO ROCK 0.00ft			Log B2-C, 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				
2818.97														Surface Water
														Ground Surface
2810.00												CORE 1		PHYLLITIC MICACEOUS GNEISS. REC: 96% RQD: 79%
												CORE 2		GRAY-WH., F.-GRAINED, HARD, FRESH, PHYLLITIC MIC. GNEISS. REC: 98% RQD: 84%
												CORE 3		THINLY LAMINATED TO FLOW-BANDED, PHYLLITIC MIC. GNEISS. REC: 100% RQD: 88%
												CORE 4		GRAY-WHITE, FINE-GRAINED, PHYLLITIC MICACEOUS GNEISS. REC: 86% RQD: 84%
2800.00 2798.97														BORING TERMINATED IN ROCK (MICACEOUS GNEISS) AT ELEVATION 2798.97 FEET.

CORE BORING REPORT							DATE 04/12/2000
PROJECT: 8.2711301		I. D. NO: B-2905		BORING NO: B2-C		GEOLOGIST: J.W. MANN	
DESCRIPTION: BRIDGE NO. 113 ON SR-1179 OVER SOUTH FORK NEW RIVER							
COUNTY: ASHE		COLLAR ELEVATION: 2816.2 FT.			TOTAL DEPTH: 17.2 FT.		
ELEV. (FEET)	DEPTH (FEET)	DRILL RATE (MIN./FT.)	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2816.2	0.0			2.3	1.9		GRAY-WHITE, VARIABLY FLOW-BANDED, FINE-GRAINED, PHYLLITIC MICACEOUS GNEISS. ROCK IS HARD, FRESH, AND AVERAGES SLIGHTLY FRACTURED.
			2.4	96	79		
2813.8	2.4						3 JOINTS @ 0-30° ADS = 0.35 ft. ADT = ≤ 0.01 ft. 12 JOINTS @ 30-60° ADS = 0.40 ft. ADT = 0.01 ft.
2813.8	2.4		5.0	4.9	4.2		
2808.8	7.4			98	84		STRATA REC = 97% STRATA RQD = 82% [7.4 ft.]
2808.8	7.4		4.8	4.8	4.2		GRAY-WHITE, THINLY LAMINATED TO VARIABLY FLOW-BANDED, FINE-GRAINED, PHYLLITIC MICACEOUS GNEISS. ROCK IS HARD, FRESH, AND GENERALLY SLIGHTLY FRACTURED TO SOUND.
				100	88		
2804.0	12.2					RS-3	2 JOINTS @ 0-30° ADS = 7.7 ft. ADT = 0.02 ft. 10 JOINTS @ 30-60° ADS = 0.88 ft. ADT = < 0.01 ft. MOST JOINTS OCCUR ALONG FOLIATION.
2804.0	12.2		5.0	4.3	4.2		
2799.0	17.2			86	84		STRATA REC = 93% STRATA RQD = 86% [17.2 ft.]
2799.0	17.2						
CORING TERMINATED AT ELEVATION 2799.0 FT.							
DRILLER: D.O. CHEEK		CORE SIZE: NXWL		EQUIPMENT: CME-550			