

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

15/22
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 EB2-A		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -L-		BORING LOCATION 21+00.00		OFFSET 15.00ft LT		24 HR 3.70ft								
COLLAR ELEV 2826.45ft		TOTAL DEPTH 22.60ft		START DATE 3/21/00		COMPLETION DATE 03/21/00								
DRILL MACHINE CME-550				DRILL METHOD SPT CORE BORING		HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH				DEPTH TO ROCK 10.00ft		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				
2826.45														
	2.90	4	4	3	1.0									EMBANKMENT: BROWN, SLIGHTLY MICACEOUS, SANDY SILT.
2820.00	7.90	16	14	45	1.0									ALLUVIUM: WHITE-BROWN BOULDERS WITH GRAVEL. SAPROLITE: BRN SL. SD. SWR/HWR: SL. SD.
														GNEISS-- REC: 89% RQD: 67%
														F.-GRAINED, PHYLLITIC MIC. GNEISS. REC: 100% RQD: 80%
2810.00														GRAY, THINLY LAMINATED, HARD, FRESH, PHYLLITIC MIC. GNEISS. REC: 96% RQD: 78%
2803.85														BORING TERMINATED IN ROCK (MICACEOUS GNEISS) AT ELEVATION 2803.85 FEET.

CORE BORING REPORT									
PROJECT: 8.2711301		I. D. NO: B-2905		BORING NO: EB2-A		GEOLOGIST: J.W. MANN			
DESCRIPTION: BRIDGE NO. 113 ON SR-1179 OVER SOUTH FORK NEW RIVER									
COUNTY: ASHE		COLLAR ELEVATION: 2826.5 FT.			TOTAL DEPTH: 22.6 FT.				
ELEV (FEET)	DEPTH (FEET)	DRILL RATE (MIN./FT.)	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS		
2816.5	10.0		2.7	2.4 89	1.8 67		GRAY, THINLY LAMINATED, FINE-GRAINED, PHYLLITIC MICACEOUS GNEISS. ROCK IS GENERALLY HARD, FRESH, AND MODERATELY FRACTURED TO SOUND. SLIGHTLY WEATHERED ZONE FROM (20.7-21.2 ft.). QUARTZ INTRUSION FROM (15.0-15.3 ft.). OBSERVED JOINTS OCCUR ALONG PRONOUNCED FOLIATION.		
2813.8	12.7			4.9	3.9		8 JOINTS @ 0-30° ADS = 1.56 ft. ADT = 0.01 ft. 13 JOINTS @ 30-60° ADS = 0.89 ft. ADT = < 0.01 ft. 1 JOINT @ 60-90°		
2813.8	12.7		4.9	100	80		STRATA REC = 96% STRATA RQD = 76%		
2808.9	17.6			4.8	3.9				
2808.9	17.6		5.0	96	78				
2803.9	22.6						[22.6 ft.]		
2803.9	22.6								
CORING TERMINATED AT ELEVATION 2803.9 FT.									
DRILLER: D.O. CHEEK		CORE SIZE: NXWL			EQUIPMENT: CME-550				