

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								
BORING NO B4-A		NORTHING 0.00		EASTING 0.00		0 HR 4.90ft								
ALIGNMENT -L-		BORING LOCATION 20+25.000		OFFSET 7.00ft LT		24 HR N/A								
COLLAR ELEV 2823.93ft		TOTAL DEPTH 10.50ft		START DATE 3/22/00		COMPLETION DATE 03/22/00								
DRILL MACHINE CME-550			DRILL METHOD H.S. AUGERS			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH N/A			DEPTH TO ROCK 10.50ft			Log B4-A, Page 1 of 1								
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT				SAMPLE NO	LOG MOI	LOG	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75					100
2823.93														Ground Surface
2820.00	3.30	0	0	2	1.0									ALLUVIUM: BROWN, SLIGHTLY MICACEOUS, SANDY SILT.
														ALLUVIAL BOULDER.
2813.43	8.30	15	65	35	0.65									S. WEATHERED RK: BRN SL. SD.
														AUGER REFUSAL ON ROCK (MICACEOUS GNEISS) AT ELEVATION 2813.43 FEET.

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

13/22

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 B4-B		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -L-		BORING LOCATION 20+25.000		OFFSET 7.00ft RT		24 HR 3.20ft								
COLLAR ELEV 2823.19ft		TOTAL DEPTH 38.00ft		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 8.00ft			Log B4-B, Page 1 of 1								
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT				SAMPLE NO	LOG MOI	LOG	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75					100
2823.19														Ground Surface
2820.00	3.40	8	8	14	1.8									EMBANKMENT: ROCK FRAGS. ALLUVIUM: BROWN, SLIGHTLY MICACEOUS, SANDY SILT WITH OCCASIONAL GRAVEL.
														ALLUVIAL BOULDER.
														CORE 1 CORE 2 HARD RK REC: 100% RQD: 0% BRN-GRAY, F.-GRAINED, MIC. GNEISS. REC: 64% RQD: 8%
														CORE 3 MED.-HARD, MOD. SEVERE-V. SLI. WEATHERED, MIC. GNEISS. REC: 94% RQD: 38%
														CORE 4 BRN-GRAY, THINLY LAMINATED, MOD. HARD-HARD, MICACEOUS GNEISS. REC: 78% RQD: 10%
														CORE 5 GRAY, F.-GRAINED, FRESH, HARD, MOD. FRAC.-SOUND, MIC. GNEISS. REC: 92% RQD: 86%
														CORE 6 FRESH, HARD, F.-GRAINED, PHYLLITIC MICACEOUS GNEISS. REC: 100% RQD: 53%
														CORE 7 GRAY, FRESH, F.-GRAINED, HARD, PHYLLITIC MIC. GNEISS. REC: 100% RQD: 92%
2785.19														BORING TERMINATED IN ROCK (MICACEOUS GNEISS) AT ELEVATION 2785.19 FEET.