

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

PROJECT NO 8.2860401		ID B-2583		COUNTY MADISON		GEOLOGIST SHELTON, T.P.						
SITE DESCRIPTION BRIDGE NO. 328 ON SR-1001 OVER FRENCH BROAD RIVER							GND WATER					
BORING NO B7-A		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT -L-		BORING LOCATION 12+49.000		OFFSET 5.00m LT		24 HR N/A						
COLLAR ELEV 495.07m		TOTAL DEPTH 5.13m		START DATE 9/18/00		COMPLETION DATE 09/18/00						
DRILL MACHINE CME-550			DRILL METHOD CORE BORING/CORE			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH 0.26m			DEPTH TO ROCK 0.66m			Log B7-A, Page 1 of 1						
ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75			
495.33												Surface Water Ground Surface
494.00												W-SAT RSS-6 CORE 1
492.00												CORE 2
489.94												CORE 3
												BORING TERMINATED IN ROCK (MIGMATITIC BIOTITE-HORNBLLENDE GNEISS) @ ELEV: 489.94 M.

CORE BORING REPORT							DATE
PROJECT: 8.2860401 I. D. NO: B-2583 BORING NO: B7-A GEOLOGIST: TREADWAY, M.A.							11/1/00
DESCRIPTION: BRIDGE NO. 328 ON SR-1001 OVER FRENCH BROAD RIVER							
COUNTY: MADISON		COLLAR ELEVATION: 495.07 m		TOTAL DEPTH: 5.13 m			
ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
494.41	0.66		1.49	1.48	1.22	RSS-6	BROWN-GREEN & WHITE-GREY, FINE TO COARSE-GRAINED, FRESH, EXTREMELY FRACTURED TO SOUND, HARD TO VERY HARD, MIGMATITIC BIOTITE-HORNBLLENDE GNEISS. JOINTS OCCUR ALONG WELL-DEFINED FOLIATION HAVING OCCASIONAL CHEVRON & ZIGZAG FOLDS. TRACE OF PYRITE & SPORADIC PARTIALLY HEALED TO HEALED FRACTURES.
492.92	2.15			99	82		
492.92	2.15			1.43	1.28		2 JNTS. @ 10-20° ADS: 59cm ADT: 4mm 10 JNTS. @ 20-30° ADS: 30.8cm ADT: INDETERMINABLE 4 JNTS. @ 35-45° ADS: 24.7cm ADT: INDETERMINABLE
491.43	3.64			96	86		
491.43	3.64			1.49	1.47		1 JNT. @ 50-60° ADT: 1mm 1 JNT. @ 60-70° ADT: INDISCERNIBLE
489.94	5.13			100	99		STRATA REC: 98% STRATA RQD: 89%
489.94	5.13						[5.13m]
CORING TERMINATED AT ELEVATION 489.94 m							
DRILLER: E.R. BAILEY		CORE SIZE: NXWL		EQUIPMENT: CME-550			

Updated 7/26/95