

**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 B8-B		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -L-		BORING LOCATION 12+65.000		OFFSET 5.00m RT		24 HR N/A								
COLLAR ELEV 494.80m		TOTAL DEPTH 5.30m		START DATE 9/19/00		COMPLETION DATE 09/19/00								
DRILL MACHINE CME-550			DRILL METHOD CORE BORING/CORE			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH 0.80m			DEPTH TO ROCK 0.23m			Log B8-B, 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	100				
495.60														Surface Water
495.00														Ground Surface
														ALLUV.: BRN-TAN-GREY GRAVEL.
														BIO.-GRANITIC/ MINOR BIO.-HB. GNEISS. REC: 91% RQD: 70%
														MIGMATITIC BIO.-GRANITIC GNEISS W/ MINOR BIO.-HB. GNEISS. REC: 92% RQD: 63%
														GN-BRN & WH-GREY, FRESH-SLI. WEATHERED, HARD-V. HARD, MIGMATITIC BIO.-GRANITIC GNEISS. REC: 98% RQD: 94%
														F.-CSE. GRAINED, WELL-FOLIATED, SOUND, MIGMATITIC BIOTITE-GRANITIC GNEISS. REC: 100% RQD: 100%
														BORING TERMINATED IN ROCK (MIGMATITIC BIOTITE-GRANITIC GNEISS) @ ELEV. 489.50 M.

CORE BORING REPORT								DATE
PROJECT: 8.2860401 I. D. NO: B-2583 BORING NO: B8-B GEOLOGIST: TREADWAY, M.A.								11/1/00
DESCRIPTION: BRIDGE NO. 328 ON SR-1001 OVER FRENCH BROAD RIVER								
COUNTY: MADISON		COLLAR ELEVATION: 494.80 m		TOTAL DEPTH: 5.30 m				
ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS	
494.57	0.23			0.55	0.42		PNK-GN-BRN-WH-GREY, F.-CSE. GRAINED, MAINLY FRESH-SLI. WEATHERED W/ SMALL(5cm) MOD. WEATHERED SEAM, EXTR. FRAC.-SOUND, HARD-VERY HARD, WELL-FOLIATED, MIGMATITIC BIOTITE-GRANITIC GNEISS W/ MINOR INTERLAYERED BIO.-HORNBLLENDE GNEISS. TRACE OF PYRITE & OCCAS. HEALED-PARTIALLY HEALED FRACS. JOINTS ARE SLI.-HEAVILY FE STAINED.	
			0.60	91	70	RS-12		
493.97	0.83			1.37	0.94		1 JNT. @ 0-10° ADT: 4mm	
493.97	0.83			92	63		3 JNTS. @ 10-20° ADS: 3.7cm ADT: INDETERMINABLE	
				1.49			2 JNTS. @ 20-30° ADS: 62.4cm ADT: INDISCERNIBLE	
492.48	2.32			1.46	1.40		6 JNTS.(w/ 2 conjugate jnts.) @ 30-40° ADS: 49.1cm ADT: INDISCERNIBLE	
492.48	2.32			98	94		3 JNTS. @ 40-50° ADS: 33.8cm ADT: INDETERMINABLE	
				1.49			4 JNTS.(w/ 2 conjugate jnts.) @ 60-80° ADS: 26cm ADT: INDISCERNIBLE	
490.99	3.81			1.49	1.49		STRATA REC: 92% STRATA RQD: 65% *END STRATA @ [2.32m]	
490.99	3.81			100	100		GN-BRN & WH-GREY, F.-CSE. GRAINED, FRESH-SLI. WEATHERED, MOSTLY SOUND, WELL-FOLIATED, HARD-V. HARD, MIGMATITIC BIOTITE-GRANITIC GNEISS W/ ACCESSORY HORNBLLENDE & EPIDOTE.	
							2 JNTS. @ 10-20° ADS: 47.3cm ADT: INDISCERNIBLE	
489.50	5.30						1 JNT. @ 20-30° ADT: 3mm **{STRATA REC: 99%}	
489.50	5.30						1 JNT. @ 30-40° ADT: 4mm **{STRATA RQD: 97%}	
							1 JNT. @ 40-50° ADT: 1mm *END STRATA @ [5.30m]	
CORING TERMINATED AT ELEVATION 489.50 m								
DRILLER: E.R. BAILEY		CORE SIZE: NXWL		EQUIPMENT: CME-550				