

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-B		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT -L-		BORING LOCATION 12+49.000		OFFSET 5.00m RT		24 HR N/A						
COLLAR ELEV 495.21m		TOTAL DEPTH 5.57m		START DATE 9/18/00		COMPLETION DATE 09/18/00						
DRILL MACHINE CME-550			DRILL METHOD CORE BORING/CORE			HAMMER TYPE AUTOHAMMER						
SURFACE WATER DEPTH 0.34m			DEPTH TO ROCK 1.34m			Log B7-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			
495.55												Surface Water
495.00												Ground Surface
										W-SAT		ALLUV.: GRAVEL & COBBLES.
										W-SAT		EMBANKMENT: OLD CONCRETE FOOTINGS.
											CORE 1	ALLUV.: GRAVEL & COBBLES.
											CORE 2	MIGMATITIC BIO.-GRANITIC & BIO.-HORNBLLENDE GNEISS. REC: 93% RQD: 80%
											CORE 3	FRESH, MIGMATITIC BIO.-GRANITIC & BIO.-HB. GNEISS. REC: 90% RQD: 90%
											RS-11	GN-BRN & WH-LGT. GREY, F.-CSE. GRAINED, HARD-V. HARD, MIGMATITIC BIO.-GRANITIC & BIO.-HB. GNEISS. REC: 91% RQD: 90%
489.64												BORING TERMINATED IN ROCK (MIGMATITIC BIOTITE-GRANITIC & BIOTITE-HORNBLLENDE GNEISS) @ ELEV. 489.64 M.

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CORE BORING REPORT

DATE 11/1/00

PROJECT: 8.2860401 I. D. NO: B-2583 BORING NO: B7-B GEOLOGIST: TREADWAY, M.A.

DESCRIPTION: BRIDGE NO. 328 ON SR-1001 OVER FRENCH BROAD RIVER

COUNTY: MADISON COLLAR ELEVATION: 495.21 m TOTAL DEPTH: 5.57 m

ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
493.87	1.34		1.25	1.17	1.01		GREEN-BROWN & WHITE-LIGHT GREY, FINE TO COARSE-GRAINED, FRESH, MINOR EXTREME FRACTURING TO PREPONDERANTLY SOUND, HARD TO VERY HARD, WELL-FOLIATED, INTERCALATED, MIGMATITIC BIOTITE-GRANITIC GNEISS & BIOTITE-HORNBLLENDE GNEISS WITH A TRACE OF PYRITE.
492.62	2.59			93	80		
492.62	2.59			1.34	1.34		4 JNTS. @ 30-40° ADS: 79.9cm ADT: 4mm 3 JNTS. @ 40-50° ADS: 12.8cm ADT: 3mm 1 JNT. @ 50-60° ADT: 2mm 1 JNT. @ 65-75° ADT: INDISCERNIBLE
491.13	4.08		1.49	90	90		
491.13	4.08		1.49	1.35	1.35	RS-11	STRATA REC: 91% STRATA RQD: 89%
489.64	5.57		91	90			
489.64	5.57						[5.57m]
CORING TERMINATED AT ELEVATION 489.64 m							
DRILLER: E.R. BAILEY		CORE SIZE: NXWL		EQUIPMENT: CME-550			