

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 B4-B		NORTHING 0.00		EASTING 0.00		0 HR N/A							
ALIGNMENT -L-		BORING LOCATION 11+97.000		OFFSET 4.00m RT		24 HR N/A							
COLLAR ELEV 495.56m		TOTAL DEPTH 5.26m		START DATE 9/26/00		COMPLETION DATE 09/26/00							
DRILL MACHINE CME-550			DRILL METHOD CORE BORING/CORE			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH 0.10m			DEPTH TO ROCK 1.18m			Log B4-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
495.66													Surface Water
495.00													W-SAT
													CORE 1
													RS-8
493.00													CORE 2
													CORE 3
491.00													
490.30													
BORING TERMINATED IN ROCK (MIGMATITIC BIO-GRANITIC & BIO-HORNBLLENDE GNEISS W/ MINOR AMPHIBOLITE) @ ELEV. 490.30 M.													

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CORE BORING REPORT							DATE 10/31/00
PROJECT: 8.2860401		I. D. NO: B-2583		BORING NO: B4-B		GEOLOGIST: TREADWAY, M.A.	
DESCRIPTION: BRIDGE NO. 328 ON SR-1001 OVER FRENCH BROAD RIVER							
COUNTY: MADISON		COLLAR ELEVATION: 495.56 m		TOTAL DEPTH: 5.26 m			
ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
494.38	1.18		1.10	1.08	0.96		BRN-WH-LGT. GREY, F.-CSE. GRAINED, FRESH, EXTR. FRAC.-SOUND, HARD TO V. HARD, WELL-FOLIATED, MIGMATITIC BIO.-GRANITIC GNEISS W/TRACE PYRITE, HORNBLLENDE, OCCAS. PITS/UGS & PARTIALLY HEALED-HEALED FRACS. NOTABLE *FRAC. ZONE W/SOME RUBBLE @ (3.005-3.207m): 7 JNTS. DISCERNIBLE @ 30-40° ADS: 1.47cm ADT: 3mm.
493.28	2.28			98	88		
493.28	2.28			1.46	1.29	RS-8	1 JNT. @ 10-20° ADT: INDETERMINABLE **{END STRATA @ 3.77m}**
				98	87		3 JNTS. @ 20-30° ADS: 2.8cm ADT: 6mm
							3 JNTS. (*excluding *Frac. Zone above) @ 30-40° ADS: 1.064m ADT: 2mm
491.79	3.77						OVERALL: 10 JNTS. @ 30-40° OVERALL ADS: 23.6cm OVERALL ADT: < 3mm
491.79	3.77			1.44	1.13		1 JNT. @ 46-50° ADT: < 4mm STRATA REC: 98% STRATA RQD: 87%
				97	76		GN-BRN-WH-LGT. GREY, F.-CSE. GRAINED, FRESH, EXTR. FRAC.-SOUND, HARD-V. HARD, MIGMATITIC BIO.-GRANITIC & BIO.-HORNBLLENDE GNEISS W/ MINOR AMPHIBOLITE. SPORADIC PITS & PARTIALLY HEALED-HEALED FRACS. JOINTS OCCUR ALONG CLEARLY DEFINED FOLIATION. FRAC. ZONE AT (3.876-4.026m).
490.30	5.26						1 JNT. @ 5-10° ADT: INDISTINGUISHABLE
490.30	5.26						3 JNTS. @ 10-20° ADS: 65.8cm ADT: INDETERMINABLE (V. SLI. FE STAINS)
							4 JNTS. @ 20-30° ADS: 40.1cm ADT: NOT ASCERTAINABLE
							2 JNTS. @ 45-55° ADS: 2.20cm ADT: 3mm
							STRATA REC: 97% STRATA RQD: 76% **{END STRATA @ 5.26m}**
CORING TERMINATED AT ELEVATION 490.30 m							
DRILLER: W.A. GOSNELL		CORE SIZE: NXWL		EQUIPMENT: CME-550			