

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 B10-A		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -L-		BORING LOCATION 13+03.000		OFFSET 5.00m LT		24 HR N/A								
COLLAR ELEV 495.08m		TOTAL DEPTH 5.44m		START DATE 9/20/00		COMPLETION DATE 09/20/00								
DRILL MACHINE CME-550			DRILL METHOD CORE BORING/CORE			HAMMER TYPE AUTOHAMMER								
SURFACE WATER DEPTH 0.35m			DEPTH TO ROCK 1.11m			Log B10-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	100				
495.43														Surface Water
495.00														Ground Surface
														W-SAT
														ALLUVIUM: BROWN-TAN-GREY GRAVEL & COBBLES.
														F.-CSE. GRAINED, FRESH-SLI. WEATHERED, HARD-V. HARD, MIGMATITIC BIO.-GRANITIC GNEISS. REC: 93% RQD: 68%
493.00														FRESH, F.-CSE. GRAINED, HARD-V. HARD, MIGMATITIC BIOTITE-TO-GRANITIC GNEISS. REC: 97% RQD: 97%
														FRESH, HARD-VERY HARD, SOUND, MIGMATITIC BIO.-GRANITIC GNEISS W/ SOME AMPHIBOLITE/ PELITIC HORNFELS. REC: 98% RQD: 97%
491.00														BORING TERMINATED IN ROCK (AMPHIBOLITE/ PELITIC HORNFELS) @ ELEV. 489.64 M.
489.64														

CORE BORING REPORT							DATE 11/1/00
PROJECT:	8.2860401	I. D. NO:	B-2583	BORING NO:	B10-A	GEOLOGIST:	TREADWAY, M.A.
DESCRIPTION:	BRIDGE NO. 328 ON SR-1001 OVER FRENCH BROAD RIVER						
COUNTY:	MADISON	COLLAR ELEVATION:	495.08 m	TOTAL DEPTH:	5.44 m		
ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
493.97	1.11		1.35	1.26	0.92	RSS-3	F.-CSE. GRAINED, FRESH-SLI. WEATHERED, EXTR. FRAC.-SOUND, HARD-V. HARD, WELL-FOLIATED, MIGMATITIC BIOTITE-GRANITIC GNEISS W/ TRACE PYRITE & EPIDOTE. JOINTS MOSTLY SLI.-MODERATELY IRON STAINED.
492.62	2.46			93	68		3 JNTS. @ 0-10° ADS: 18.8cm ADT: INDETERMINABLE
492.62	2.46			1.45	1.45		3 JNTS. @ 10-20° ADS: 36.6cm ADT: 4mm
				1.49	97		2 JNTS. @ 20-30° ADS: 43.8cm ADT: INDETERMINABLE
				97	97		1 JNT. @ 30-40° ADT: 5mm
491.13	3.95						1 JNT. @ 45-60° ADT: 3mm
491.13	3.95			1.46	1.45		1 JNT. @ 65-75° ADT: INDISCERNIBLE
				98	97		1 JNT. @ 80-90° ADT: 5mm
489.64	5.44						**{STRATA REC: 93%}
489.64	5.44						**{STRATA RQD: 68%}
							*END STRATA I @ [2.46m]
							SLI. GN, WH-GREY & BRN, F.-CSE. GRAINED, FRESH, SOUND, MAINLY WELL-FOLIATED, HARD-VERY HARD, MIGMATITIC BIOTITE-GRANITIC GNEISS W/ RATHER PORPHYROBLASTIC AMPHIBOLITE/PELITIC HORNFELS @ (5.073-5.44m)---BOTTOM PORTION OF STRATA II. TRACE OF PYRITE & EPIDOTE.
							STRATA REC: 98% STRATA RQD: 97%
							*END STRATA II @ [5.44m]
CORING TERMINATED AT ELEVATION 489.64 m							
DRILLER: W.A. GOSNELL		CORE SIZE: NXWL		EQUIPMENT: CME-550			

Updated 7/26/95