

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 EB2-B		NORTHING 0.00		EASTING 0.00		0 HR N/A					
ALIGNMENT -L-		BORING LOCATION 13+18.500		OFFSET 5.00m RT		24 HR N/A					
COLLAR ELEV 495.27m		TOTAL DEPTH 5.84m		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 0.18m			DEPTH TO ROCK 1.16m			Log EB2-B, Page 1 of 1					
ELEV	DEPTH	BLOW CT			BLOWS PER 30cm				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm	0	25	50	75			
495.45											
495.00											Surface Water Ground Surface
											W-SAT
									CORE 1		ALLUVIUM: BROWN-TAN-GREY GRAVEL & COBBLES.
									CORE 2		FRESH, HARD-V. HARD, MIGMATITIC BIO.-HORNBLLENDE GNEISS W/ SOME BIOTITE-GRANITIC GNEISS & GRANITE. REC: 99% RQD: 97%
									CORE 3		FRESH, FINE-CSE. GRAINED, MIGMATITIC GRANITE & BIOTITE-TO-GRANITIC GNEISS. REC: 93% RQD: 92%
											WH-GREY & GREEN-BRN, FRESH, HARD-V. HARD, WELL-FOLIATED, MIGMATITIC BIOTITE-HORNBLLENDE GNEISS. REC: 94% RQD: 92%
											BORING TERMINATED IN ROCK (MIGMATITIC BIOTITE-HORNBLLENDE GNEISS) @ ELEV. 489.43 M.

CORE BORING REPORT

DATE 11/3/00

PROJECT: 8.2860401 I. D. NO: B-2583 BORING NO: EB2-B GEOLOGIST: TREADWAY, M.A.  
 DESCRIPTION: BRIDGE NO. 328 ON SR-1001 OVER FRENCH BROAD RIVER  
 COUNTY: MADISON COLLAR ELEVATION: 495.27 m TOTAL DEPTH: 5.84 m

ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
494.11	1.16		1.70	1.68	1.64		BRN, GN & WH-GREY, F.-CSE. GRAINED, FRESH, SLI. FRAC.-MAINLY SOUND, WELL-FOLIATED, HARD-V. HARD, MIGMATITIC BIO.-HORNBLLENDE GNEISS W/ SOME INTERCALATED BIO.-GRANITIC GNEISS. TRACE PYRITE & PITS/VUGS. 1 JNT. @ 35-45° ADT: 4mm **{STRATA REC: 100%}
492.41	2.86			99	97		1 JNT. @ 45-55° ADT: INDETERMINABLE **{STRATA RQD: 97%}
492.41	2.86			1.38	1.38		1 JNT. @ 65-75° ADT: < 1mm *END STRATA I @ [2.486m]
490.92	4.35		1.49	93	92		SLI. PINK & GN-BRN, WH-LGT. GREY, F.-CSE. GRAINED, FRESH, SOUND, V. HARD, MASSIVE-MOD. FOLIATED, MIGMATITIC GRANITE & BIO.-GRANITIC GNEISS. TRACE OF PYRITE & OCCAS. HEALED-PARTIALLY HEALED FRACS.
490.92	4.35		1.49	1.40	1.37		1 JNT. @ 25-35° ADT: INDETERMINABLE STRATA REC: 93% STRATA RQD: 93% *END STRATA II @ [4.35m]
489.43	5.84			94	92		WH-GREY & GN-BRN, FINE-CSE. GRAINED, FRESH, SOUND, HARD-V. HARD, WELL-FOLIATED, MIGMATITIC BIOTITE-HORNBLLENDE GNEISS. TRACE OF PYRITE & SPORADIC HEALED FRACTURES. 1 JNT. @ 25-35° ADT: INDETERMINABLE STRATA REC: 94% STRATA RQD: 92% *END STRATA III @ [5.84m]
489.43	5.84						
CORING TERMINATED AT ELEVATION 489.43 m							
DRILLER: W.A. GOSNELL		CORE SIZE: NXWL		EQUIPMENT: CME-550			

Updated 7/26/95