

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-A		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -L-		BORING LOCATION 13+18.000		OFFSET 5.00m LT		24 HR N/A								
COLLAR ELEV 495.49m		TOTAL DEPTH 5.76m		START DATE 9/22/00		COMPLETION DATE 09/22/00								
DRILL MACHINE CME-550			DRILL METHOD CORE BORING/CORE			HAMMER TYPE AUTOHAMMER								
SURFACE WATER DEPTH 0.15m			DEPTH TO ROCK 1.43m			Log EB2-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				
495.64														Surface Water
495.00														Ground Surface
														W-SAT
														CORE 1
														CORE 2
														CORE 3
489.73														BORING TERMINATED IN ROCK (MIGMATITIC BIOTITE-GRANITIC GNEISS) @ ELEV. 489.73 M.

CORE BORING REPORT

DATE 11/3/00

PROJECT: 8.2860401 I. D. NO: B-2583 BORING NO: EB2-A GEOLOGIST: TREADWAY, M.A.
 DESCRIPTION: BRIDGE NO. 328 ON SR-1001 OVER FRENCH BROAD RIVER
 COUNTY: MADISON COLLAR ELEVATION: 495.49 m TOTAL DEPTH: 5.76 m

ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
494.06	1.43		1.35	1.26	0.88		SLI. PINK, GN-BRN & WH-GREY, F.-CSE. GRAINED, FRESH-SLI. WEATHERED, MOD. FRAC.-SOUND, HARD-V. HARD, CHIEFLY WELL-FOLIATED, MIGMATITIC BIOTITE-GRANITIC GNEISS W/ INTERLAYERED BIOTITE GNEISS & MINOR AMPHIBOLITE/HORNBLLENDE HORNFELS. SPORADIC PARTIALLY HEALED TO HEALED FRACTURES, PITS, TRACE OF PYRITE, CHEVRON & ZIGZAG FOLDS.
492.71	2.78			93	65		
492.71	2.78		1.49	1.43	1.42		SOME JOINTS SHOW SLI.-MOD. IRON STAINS. 1JNT. @ 10-20° ADT: 1mm 1 JNT. @ 30-40° ADT: 2mm 1 JNT. @ 75-90° ADT: 4mm 4 JNTS. @ 50-60° ADS: 21cm ADT: INDISCERNIBLE STRATA REC: 93% STRATA RQD: 65% *END STRATA @ [2.78m]
491.22	4.27			96	95		
491.22	4.27		1.49	1.44	1.40		SLI. PINK & GN, BRN & WH-GREY, F.-CSE. GRAINED, FRESH, SOUND, HARD-V. HARD, WELL-FOLIATED, MIGMATITIC BIOTITE-GRANITIC GNEISS. TRACE OF PYRITE, EPIDOTE & HORNBLLENDE. OCCASIONAL HEALED TO PARTIALLY HEALED FRACTURES.
489.73	5.76			97	94		1 JNT. @ 30-40° ADT: INDISCERNIBLE
489.73	5.76						2 JNTS. @ 40-50° ADS: 2.024m ADT: INDISCERNIBLE STRATA REC: 96% STRATA RQD: 95% *END STRATA @ [5.76m]
CORING TERMINATED AT ELEVATION 489.73 m							
DRILLER: W.A. GOSNELL		CORE SIZE: NXWL		EQUIPMENT: CME-550			