

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 B6-B		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -L-		BORING LOCATION 12+31.000		OFFSET 5.00m RT		24 HR N/A								
COLLAR ELEV 495.00m		TOTAL DEPTH 6.91m		START DATE 9/18/00		COMPLETION DATE 09/18/00								
DRILL MACHINE CME-550			DRILL METHOD CORE BORING/CORE			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH 0.60m			DEPTH TO ROCK 1.64m			Log B6-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				
495.60														Surface Water
495.00														Ground Surface
														ALLUVIUM: BROWN-TAN-GREY GRAVEL & COBBLES.
														MIGMATITIC BIO.-GRANITIC GNEISS. REC: 54% RQD: 0%
														F.-CSE. GRAINED, HARD-V. HARD, FRESH-SLI. WEATHERED, MIGMATITIC BIO.-GRANITIC GNEISS. REC: 96% RQD: 77%
														BIO.-HB. & BIO.-GRANITIC GNEISS W/ SOME AMPHIBOLITE/ HORNFELS & MINOR PYROXENE GRANULITE. REC: 95% RQD: 62%
														FRESH, BIO.-GRANITIC & BIO.-HORNBLLENDE GNEISS W/ AMPHIBOLITE/AMPHIBOLITE HORNFELS. REC: 97% RQD: 74%
														BORING TERMINATED IN ROCK (BIO.-GRANITIC & BIO.-HB. GNEISS W/ SOME AMPHIBOLITE/ AMPHIBOLITE HORNFELS) @ ELEV: 488.09 M.

CORE BORING REPORT							DATE 10/31/00
PROJECT: 8.2860401		I. D. NO: B-2583		BORING NO: B6-B		GEOLOGIST: TREADWAY, M.A.	
DESCRIPTION: BRIDGE NO. 328 ON SR-1001 OVER FRENCH BROAD RIVER							
COUNTY: MADISON		COLLAR ELEVATION: 495.00 m		TOTAL DEPTH: 6.91 m			
ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
493.36	1.64		0.80	0.43	0.00		F.-CSE. GRAINED, FRESH-SLI. WEATHERED, EXTR. FRAC.-SOUND, HARD-V. HARD, WELL-FOLIATED, MIGMATITIC BIO.-GRANITIC GNEISS W/TR. PYRITE & HORNBLLENDE. OCCAS. PARTIALLY HEALED-HEALED FRACS. FRAG. ZONE W/SOME RUBBLE & NOTABLE MISSING MATERIAL @ (1.714-2.42m).
492.56	2.44						2 JNTS. @ 0-15° ADS: 45.3cm ADT: INDETERMINABLE
492.56	2.44		1.49	1.43	1.15	RSS-5	5 JNTS. @ 15-25° ADS: 12.9cm ADT: 3mm 4 JNTS. @ 25-35° ADS: 23cm ADT: 3mm (SOME FE STAINS) 4 JNTS. @ 35-45° ADS: 50.1cm ADT: 3mm 4 JNTS. @ 45-55° ADS: 18.5cm ADT: 2mm
491.07	3.93						1 JNT. @ 55-65° ADT: INDETERMINABLE (SLI.-MOD. FE STAINS)
491.07	3.93		1.49	1.41	0.92		1 JNT. @ 70-80° ADT: INDETERMINABLE (STRIATED SURFACE) 1 JNT. @ 80-90° ADT: INDETERMINABLE (SLI. FE STAINS) STRATA REC: 81% STRATA RQD: 50% *END STRATA @ [3.93m]
489.58	5.42						BRN-GN & WH-GREY, APHANITIC-CSE. GRAINED, FRESH, EXTR. FRAC. TO SOUND, HARD-V. HARD, MOSTLY WELL-FOLIATED, BIO.-GRANITIC GNEISS
489.58	5.42		1.49	1.45	1.11		W/ INTERLAYERED BIO.-HORNBLLENDE GNEISS, SOME AMPHIBOLITE/PELITIC AMPHIBOLITE HORNFELS & PYROXENE GRANULITE. TR. PYRITE, EPIDOTE & SEVERAL HEALED-PARTIALLY HEALED FRACTURES.
488.09	6.91						2 JNTS. @ 0-15° ADS: 32.5cm ADT: 1mm
488.09	6.91						2 JNTS. @ 15-25° ADS: 75.1cm ADT: 3mm 8 JNTS. @ 25-35° ADS: 15.1cm ADT: 2mm 3 JNTS. @ 35-45° ADS: 77.4cm ADT: INDISCERNIBLE 3 JNTS. @ 45-55° ADS: 1.231m ADT: INDISCERNIBLE 5 JNTS. @ 55-65° ADS: 46.3cm ADT: INDETERMINABLE 2 JNTS. @ 70-80° ADS: 69.1cm ADT: INDETERMINABLE STRATA REC: 96% STRATA RQD: 68% *END STRATA @ [6.91m]
CORING TERMINATED AT ELEVATION 488.09 m							
DRILLER: E.R. BAILEY		CORE SIZE: NXWL		EQUIPMENT: CME-550			

Updated 7/26/95