

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

SHEET 10 OF 52

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 EB1-A		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT -L-		BORING LOCATION 11+22.000		OFFSET 5.00m LT		24 HR N/A						
COLLAR ELEV 502.23m		TOTAL DEPTH 13.14m		START DATE 9/28/00		COMPLETION DATE 09/28/00						
DRILL MACHINE CME-550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK 8.11m			Log EB1-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			
502.23												Ground Surface
501.00	1.45	3	2	1	0.30							EMBANKMENT: BLACK-GREY & BROWN-TAN, SLIGHTLY MICACEOUS, SILTY SAND W/ ROCK FRAGMENTS.
499.00	2.97	4	21	79	0.29							EMBANKMENT: BROWN-TAN ROCK FRAGMENTS WITH SOME SLIGHTLY MICACEOUS, SILTY SAND.
497.00	4.49	6	13	9	0.30							EMBANKMENT: BLACK-GREY & BROWN-TAN, SLIGHTLY MICACEOUS, SILTY SAND W/ ROCK FRAGMENTS.
495.00	6.01	9	5	2	0.30							
493.00	7.53	15	60	40	0.17							ALLUV.: SL. SD. W/ GRAVEL. SWR/HWR: GREY, SL. SD.
491.00												MIGMATITIC BIO.-GRANITIC GNEISS. REC: 93% RQD: 64%
489.09												WH-GREY, HARD-V. HARD, MIGMATITIC BIOTITE-GRANITIC GNEISS. REC: 99% RQD: 92%
												MIGMATITIC BIO.-GRANITIC GNEISS W/ SOME AMPHIBOLITE/HB-PLAG. GNEISS. REC: 81% RQD: 72%
												SLI. PNK & GN, BRN & WH-GREY, FRESH, HARD-V. HARD, MIGMATITIC BIO.-GRANITIC GNEISS. REC: 100% RQD: 96%
BORING TERMINATED IN ROCK (MIGMATITIC BIO.-GRANITIC GNEISS) @ ELEV. 489.09 M.												

CORE BORING REPORT							DATE 10/30/00
PROJECT: 8.2860401		I. D. NO: B-2583		BORING NO: EB1-A		GEOLOGIST: TREADWAY, M.A.	
DESCRIPTION: BRIDGE NO. 328 ON SR-1001 OVER FRENCH BROAD RIVER							
COUNTY: MADISON		COLLAR ELEVATION: 502.23 m		TOTAL DEPTH: 13.14 m			
ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
494.12	8.11		0.56	0.52	0.36		SLI. PINK, BROWN & WHITE-GREY, FINE-COARSE GRAINED, FRESH-SLI. WEATHERED, EXTREMELY FRAC.-SOUND, HARD-V. HARD, WELL-FOLIATED, MIGMATITIC BIOTITE-GRANITIC GNEISS W/ TRACE PYRITE & OCCASIONAL PARTIALLY HEALED FRACTURES. FRAGMENTED ZONE W/ SOME MISSING MATERIAL & RUBBLE @ (8.670-8.774m).
493.56	8.67			93	64		
493.56	8.67		1.49	1.47	1.38		4 JNTS. @ 15-25° ADS: 55.7cm ADT: INDETERMINABLE 2 JNTS. @ 25-35° ADS: 76.1cm ADT: 5mm 2 JNTS. @ 35-45° ADS: 1.147m ADT: 1mm STRATA REC: 97% STRATA RQD: 85%
492.07	10.16			99	92		[10.16m]
492.07	10.16		1.49	1.21	1.07		FRESH-SLI. WEATHERED, EXTR. FRAC.-SOUND, MOD. HARD-HARD, MOD. FOLIATED, AMPHIBOLITE/HB-PLAG. GNEISS. RUBBLE ZONE W/APPRECIABLE MISSING MATERIAL @ (10.16-10.502m). ESTIMATED 3 JOINTS @ 0-15° ADS: INDETERMINABLE. ADT: INDETERMINABLE. STRATA REC: 62%
490.58	11.65			81	72		STRATA RQD: 48% *END STRATA @ [10.81m]*
490.58	11.65		1.49	1.49	1.43		F.-CSE. GRAINED, FRESH, EXTR. FRAC.-MOSTLY SOUND, HARD-V. HARD, WELL-FOLIATED, MIGMATITIC BIOTITE-GRANITIC GNEISS. FRAC. ZONE W/SOME MISSING MATERIAL @ (10.823-10.909m). TRACE PYRITE & EPIDOTE.
489.09	13.14			100	96		3 JNTS. @ 0-15° ADS: 2.4cm ADT: INDETERMINABLE
489.09	13.14						1 JNT. @ 15-25° ADT: 5mm 2 JNTS. @ 35-45° ADS: 2.5cm ADT: INDETERMINABLE STRATA REC: 99% STRATA RQD: 94% *END STRATA @ [13.14m]*
CORING TERMINATED AT ELEVATION 489.09 m							
DRILLER: W.A. GOSNELL		CORE SIZE: NXWL		EQUIPMENT: CME-550			