

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 B8-A		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -L-		BORING LOCATION 12+65.000		OFFSET 5.00m LT		24 HR N/A								
COLLAR ELEV 495.28m		TOTAL DEPTH 6.72m		START DATE 9/18/00		COMPLETION DATE 09/19/00								
DRILL MACHINE CME-550			DRILL METHOD CORE BORING/CORE			HAMMER TYPE AUTOHAMMER								
SURFACE WATER DEPTH 0.40m			DEPTH TO ROCK 0.95m			Log B8-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				
495.68														Surface Water
495.00														Ground Surface
493.00														ALLUVIUM: BROWN-TAN-GREY GRAVEL & COBBLES.
491.00														F.-CSE. GRAINED, FRESH, MIGMATITIC BIO.-HB. GNEISS W/ SOME BIO.-GRANITIC GNEISS. REC: 97% RQD: 83%
489.00														BRN-GN & WH-GREY, HARD-V. HARD, MIGMATITIC BIO.-HB. GNEISS W/ SOME BIO.-GRANITIC GNEISS. REC: 94% RQD: 83%
488.56														FRESH, MIGMATITIC BIO.-GRANITIC GNEISS W/ MINOR HORNBLLENDE HORNFELS. REC: 94% RQD: 72%
														GN-BRN & PINK-WH-GREY, FRESH, HARD-V. HARD, MIGMATITIC BIO.-GRANITIC GNEISS W/ DISTINCT GRANITE. REC: 97% RQD: 95%
BORING TERMINATED IN ROCK (MIGMATITIC BIO.-GRANITIC GNEISS W/ DISTINCT SEAMS OF GRANITE) @ ELEV. 488.56 M.														

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CORE BORING REPORT							DATE 11/1/00
PROJECT: 8.2860401		I. D. NO: B-2583		BORING NO: B8-A		GEOLOGIST: TREADWAY, M.A.	
DESCRIPTION: BRIDGE NO. 328 ON SR-1001 OVER FRENCH BROAD RIVER							
COUNTY: MADISON		COLLAR ELEVATION: 495.28 m			TOTAL DEPTH: 6.72 m		
ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
494.33	0.95		1.30	1.26	1.08		BRN-GN & WH-GREY, F.-CSE. GRAINED, FRESH, EXTREMELY FRACTURED-MOSTLY SLI. FRAC. & SOUND, HARD-V. HARD, WELL-FOLIATED, MIGMATITIC BIO.-HORNBLLENDE GNEISS W/SOME INTERCALATED BIO.-GRANITIC GNEISS. TRACE OF PYRITE & ACCESSORY EPIDOTE. SPORADIC PITS & PARTIALLY HEALED TO HEALED FRACTURES.
493.03	2.25			97	83		
493.03	2.25		1.49	1.41	1.24	RSS-4	4 JNTS. @ 15-25° ADS: 59cm ADT: 1mm 8 JNTS. @ 25-35° ADS: 15.7cm ADT: 2mm 2 JNTS. @ 40-50° ADS: 78.8cm ADT: INDETERMINABLE STRATA REC: 95% STRATA RQD: 86%
491.54	3.74			94	83		[3.74m]
491.54	3.74		1.49	1.41	1.08		F.-CSE. GRAINED, FRESH, EXTR. FRAC.-SOUND, HARD-V. HARD, CHIEFLY FOLIATED, MIGMATITIC BIO.-GRANITIC GNEISS W/ MINOR HORNBLLENDE HORNFELS. TRACE PYRITE & OCCAS. PARTIALLY HEALED-HEALED FRACS. FRAG. ZONE W/SOME RUBBLE @ (3.813-4.086m). DISTINGUISHABLE JNTS.:
490.05	5.23			94	72		2 JNTS. @ 15-25° ADS: 1.121m ADT: INDISCERNIBLE **{STRATA REC: 94%}
490.05	5.23		1.49	1.45	1.42		4 JNTS. @ 25-35° ADS: 38.9cm ADT: 4mm **{STRATA RQD: 72%} 2 JNTS. @ 40-50° ADS: 1.9cm ADT: 2mm *END STRATA @ [5.23m]
488.56	6.72			97	95		GN-BRN & PNK-WH-GREY, F.-CSE. GRAINED, FRESH, SOUND, MASSIVE TO WELL-FOLIATED, HARD-V. HARD, MIGMATITIC BIO.-GRANITIC GNEISS W/ OCCAS. DISTINCT SEAMS OF GRANITE. TRACE OF PYRITE.
488.56	6.72						1 JNT. @ 15-25° ADT: INDETERMINABLE STRATA REC: 97% STRATA RQD: 95% *END STRATA @ [6.72m]
CORING TERMINATED AT ELEVATION 488.56 m							
DRILLER: E.R. BAILEY		CORE SIZE: NXWL		EQUIPMENT: CME-550			