

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 33211.1.1		ID B-3666		COUNTY HENDERSON		GEOLOGIST T.B. DANIEL						
SITE DESCRIPTION BRIDGE NO. 53 ON SR-1799 OVER N. BRANCH HUNGRY RIVER						GND WATER						
BORING NO EB1-C		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT -L-		BORING LOCATION 15+81.000		OFFSET 0.00ft		24 HR 7.00ft						
COLLAR ELEV 1897.20ft		TOTAL DEPTH 20.40ft		START DATE 3/16/04		COMPLETION DATE 03/16/04						
DRILL MACHINE CME-550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK 10.60ft			Log EB1-C, Page 1 of 1						
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION
		6in	6in	6in		0	25	50	75			
1897.20												Ground Surface
	4.40	0	1	2	1.0							ALLUVIAL SAND & BOULDERS
1890.00	9.40	50			0.3							ALLUVIUM: BROWN SLI. MICACEOUS SILTY FINE SAND
												ALLUVIAL GRAVEL & COBBLES
												WEATHERED ROCK
												GRANITIC GNEISS REC=88% RQD=62%
												GRANITIC GNEISS REC=100% RQD=88%
1876.80												GRANITIC GNEISS REC=100% RQD=100%
BORING TERMINATED AT APPROXIMATE ELEV. 1876.8 IN HARD ROCK												

CORE BORING REPORT							DATE 4/19/2004
PROJECT:	33211.1.1	I. D. NO:	B-3666	BORING NO:	EB1-C	GEOLOGIST:	J.W. MANN
DESCRIPTION:	BRIDGE NO. 53 ON SR-1799 OVER NORTH BRANCH HUNGRY RIVER						
COUNTY:	HENDERSON	COLLAR ELEVATION:	1897.2 FT.	TOTAL DEPTH:	20.4 FT.		
ELEV. (FEET)	DEPTH (FEET)	DRILL RATE (MIN./FT.)	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
1886.6	10.6		3.4	3.0	2.1		
1883.2	14.0			88	62	RS-1	
1883.2	14.0		4.8	4.8	4.2		
1878.4	18.8			100	88		WHITE-GRAY, VERY SLIGHTLY WEATHERED TO FRESH, HARD, BIOTITE GRANITIC GNEISS. FRACTURE SPACING TYPICALLY CLOSE TO MOD. CLOSE. JOINTS AVERAGE 25° ALONG FOLIATION. SREC=96% SRQD=81%
1878.4	18.8		1.6	1.6	1.6		
1876.8	20.4			100	100		
CORING TERMINATED AT ELEVATION 1876.8 FT.							
DRILLER: J.T. WILLIAMS		CORE SIZE: NXWL		EQUIPMENT: CME-550			