

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

8 A 19

SHEET 1 OF 1

DATE 12/9/2004

PROJECT NO 33413.1.1		ID B-4047		COUNTY BURKE		GEOLOGIST T B DANIEL						
SITE DESCRIPTION BRIDGE NO. 94 ON SR-1972 OVER EAST PRONG HUNTING CREEK							GND WATER					
BORING NO EB1-B		NORTHING 0.00		EASTING 0.00		0 HR 4.20ft	24 HR N/A					
ALIGNMENT -L-		STATION 14+56.000		OFFSET 14.30ft RT								
COLLAR ELEV 1072.90ft		TOTAL DEPTH 26.50ft		START DATE 12/08/04		COMPLETION DATE 12/08/04						
DRILL MACHINE CME-45B			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB1-B, 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			
1072.90												Ground Surface
1070.00	6.40	1	2	3	1.0							EMBANKMENT: RED SILTY CLAY
1060.00	11.40	1	1	1	1.0							ALLUVIUM: BROWN SILTY SAND, □SAT
1050.00												ALLUVIUM: GRAVEL AND □BOULDERS
1046.40												WEATHERED ROCK
												CORE 1: 14.7'- 16.5' REC=28% □RQD=0%
												CORE 2: 16.5'- 21.5' REC=92% □RQD=84%
												CORE 3: 21.5'- 26.5' REC=98% □RQD=98%
												BORING TERMINATED AT ELEV. 1046.4 IN ROCK.

CORE BORING REPORT							FIELD CLASSIFICATION AND REMARKS
ELEV. (FEET)	DEPTH (FEET)	DRILL RATE (MIN./FT.)	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	
1058.2	14.7		1.8	0.5	0.0		Black and white biotite gneiss. Moderately hard. Moderately severe to moderately weathered. Weakly foliated.
1056.4	16.5			28	0		a) Abundant parts along foliation @ 10°.
1056.4	16.5						16.9
1051.4	21.5		5.0	4.6	4.2	RS-1	Gray granite gneiss with abundant biotite. Hard, fresh. Weakly to moderately foliated.
1051.4	21.5			92	84		
1046.4	26.5		5.0	4.9	4.9		
				98	98		
							CORING TERMINATED AT ELEVATION 1046.4 FT.
DRILLER: J T Williams		CORE SIZE: NXWL		EQUIPMENT: CME-550			