

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

11 of 19

SHEET 1 OF 1

DATE 1/5/2005

CORE BORING REPORT

PROJECT: 33413.1.1 I. D. NO: B-4047 BORING NO: EB2-A GEOLOGIST: C A Dunnagan

DESCRIPTION: Bridge No. 94 on SR-1972 over East Prong Hunting Creek

COUNTY: Burke COLLAR ELEVATION: 1070.9 FT. TOTAL DEPTH: 32.1 FT.

ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
1050.3	20.6		5.4	5.0	4.8	RS-2	Gray, biotite granite gneiss. Hard, fresh. Weakly to moderately foliated. Hard, moderately weathered zone from 20.6ft to 21.2ft. a) Occasional parts along foliation at 10°.
1044.9	26.0			93	89		
1044.9	26.0		5.0	4.7	4.7		
				94	94		
1039.9	31.0			1.2	1.2		
1039.9	31.0		1.2	100	100		
1038.7	32.2						
1038.7	32.2		0.0	0.0	0.0		
1038.7	32.2			#DIV/0!	#DIV/0!		

CORING TERMINATED AT ELEVATION 1038.8 FT.

DRILLER: J T Williams CORE SIZE: NXWL EQUIPMENT: CME-550

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 EB2-A		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT -L-		STATION 16+07.000		OFFSET 21.00ft LT		24 HR 7.40ft						
COLLAR ELEV 1070.89ft		TOTAL DEPTH 32.10ft		START DATE 1/04/05		COMPLETION DATE 01/04/05						
DRILL MACHINE CME-45 SKID			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB2-A, 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			
1070.89												
												Ground Surface
	5.20	2	3	2	1.0							
	10.20	ND	1	1	1.0							ALLUVIUM: BROWN SANDY SILT AND SILTY SAND
	15.20	4	3	2	1.0							SAPROLITE: BROWN SILTY SAND WITH MICA
	20.20	50	ND	ND	0.4							WEATHERED ROCK
												CORE 1: 20.6'- 26.0' REC=93% RQD=89%
												CORE 2: 26.0'- 31.0' REC=94% RQD=94%
												CORE 3: 31.0'- 32.1' REC=100% RQD=100%
												BORING TERMINATED AT ELEV 1038.79 IN ROCK