

**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
GEOTECHNICAL UNIT BORING LOG**

PROJECT NO 32930.1.1	ID B-3205	COUNTY MADISON	GEOLOGIST TB DANIEL
SITE DESCRIPTION BR 30 ON NC 209/SPRING CK. W/ DET. AND APPROACHES			GND WATER
BORING NO EB2-A -L-	NORTHING 0.00	EASTING 0.00	0 HR N/A
ALIGNMENT -L-	BORING LOCATION 15+70.000	OFFSET 15.00ft LT	24 HR N/A
COLLAR ELEV 2412.83ft	TOTAL DEPTH 23.20ft	START DATE 4/20/04	COMPLETION DATE 04/20/04
DRILL MACHINE CME-550	DRILL METHOD SPT CORE BORING	HAMMER TYPE AUTOMATIC	
SURFACE WATER DEPTH N/A		DEPTH TO ROCK N/A	

**CORE BORING REPORT**

PROJECT: 32930.1.1 I. D. NO: B-3205 BORING NO: EB2-A -L- GEOLOGIST: PQ LOCKAMY  
 DESCRIPTION: BRIDGE NO.30 ON NC-208/SPRING CREEK IN MADISON CO. W/ DETOUR 15+70 15 LT -L-  
 COUNTY: MADISON COLLAR ELEVATION: 2412.8 FT. TOTAL DEPTH: 23.2 FT.

ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT					SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75	100				
2412.83														Ground Surface
2410.00	4.70	1	2	3	1.0	5								EMBANKMENT: SAND, GRAVEL AND BOULDERS
	9.70	6	16	17	1.0	33								COLLUVIUM: YELLOW BROWN SAND AND SILT WITH GRAVEL AND BOULDERS
														MODERATELY TO SLIGHTLY WEATHERED, MOD. HARD TO HARD GNEISS. TOTAL RUN = 9.6 TOTAL REC=99 TOTAL RQD=81
2389.60														CORING TERMINATED AT A DEPTH OF 23.2 FEET IN SLIGHTLY WEATHERED, HARD GNEISS

ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2400.9	11.9		2.2	1.0	0.5		11.9 - 13.6 ALLUVIUM: COBBLES AND SAND
2398.7	14.1			45	23		13.6 - 23.2 MOD. TO SILGHT AND MOD. HARD TO HARD. LIGHT IRON STAINS ON BREAKS AT 45 TO 75 DEGREES.
2398.7	14.1		4.6	4.4	3.6		
2394.1	18.7			96	78		
2394.1	18.7		4.5	4.5	3.7		
				100	82		
2389.6	23.2						

CORING TERMINATED AT  
ELEVATION 2389.6 FT.

DRILLER: JT WILLIAMS CORE SIZE: NXWL EQUIPMENT: CME-550