

**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 EB1-A -L-		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT -L-		BORING LOCATION 14+58.000		OFFSET 15.00ft LT		24 HR N/A						
COLLAR ELEV 2413.42ft		TOTAL DEPTH 24.00ft		START DATE 4/19/04		COMPLETION DATE 04/19/04						
DRILL MACHINE CME-550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB1-A -L-, 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			
2413.42												Ground Surface
2410.00	4.60	6	4	13	1.0							EMBANKMENT: BROWN FINE SANDY SILT WITH MICA
												EMBANKMENT: MOSTLY BOULDERS WITH SAND, SILT AND GRAVEL
												CONCRETE FOUNDATION
												SLIGHTLY WEATHERED, MOD. HARD GNEISS TOTAL RUN=9.2 TOTAL REC=95% TOTAL RQD=80%
2389.42												CORING TERMINATED AT A DEPTH OF 24 FEET IN SLIGHTLY WEATHERED, MOD. HARD GNEISS

CORE BORING REPORT

PROJECT: 32930.1.1 I. D. NO: B-3205 BORING NO: EB1-A -L- GEOLOGIST: PQ LOCKAMY
 DESCRIPTION: BRIDGE NO.30 ON NC-208/SPRING CK. IN MADISON CO. W/ DETOUR 14+58 15 Lt. -L-
 COUNTY: MADISON COLLAR ELEVATION: 2413.4 FT. TOTAL DEPTH: 24.0 FT.

ELEV. (FEET)	DEPTH (FEET)	DRILL RATE (MIN./FT.)	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2405.6	7.8		1.3	1.0	N/A		7.8 - 11.0 BOULDER BACKFILL (EMBANKMENT)
2404.3	9.1			77			
2404.3	9.1		5.0	4.8	N/A		11.0 - 14.8 CONCRETE WING WALL FOUNDATION
				96			
2399.3	14.1			4.7	3.5		14.8 - 24.0 SLIGHT AND MOD. HARD GNEISS. IRON STAINED BREAKS ON STEEP FOLIATION AND JOINTS.
2399.3	14.1		4.9	96	71		
2394.4	19.0			4.7	3.9		
2394.4	19.0		5.0	94	78		
2389.4	24.0						

CORING TERMINATED AT ELEVATION 2389.4 FT.

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