

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.2843601		ID B-3310		COUNTY BUNCOMBE		GEOLOGIST T B DANIEL							
SITE DESCRIPTION BRIDGE NO.145 ON SR-2173 OVER DILLINGHAM CREEK							GND WATER						
BORING NO EB1-B		NORTHING 0.00		EASTING 0.00		0 HR 3.50ft	24 HR N/A						
ALIGNMENT -L-		STATION 18+87.000		OFFSET 22.00ft RT									
COLLAR ELEV 2263.84ft		TOTAL DEPTH 28.30ft		START DATE 8/21/03		COMPLETION DATE 08/22/03							
DRILL MACHINE CME 550			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				100
2263.84													
2260.00	4.90	18	19	30	1.0								ALLUVIUM: GRAVEL, COBBLES AND BOULDERS.
	9.90	12	15	33	1.0								SAPRIOLITE: TAN SILTY SAND, SILI MIC. MOIST
2250.00	14.90	19	25	75	0.2								WEATHERED ROCK: BROWN SILTY SAND WITH MICA.
													CORE 1: 16.4'- 18.7' REC=100% RQD=100%
													CORE 2: 18.7'- 23.7' REC=98% RQD=88%
													CORE 3: 23.7'- 28.3' REC=100% RQD=100%
2235.54													BORING TERMINATED AT ELEV 2235.54 IN ROCK.

SHEET 1 OF 1

DATE 25 Aug '03

CORE BORING REPORT

PROJECT: 8.2843601 I. D. NO: B-3310 BORING NO: EB1-B GEOLOGIST: C. A. Dunnagan
 DESCRIPTION: Bridge No.145 on SR-2173 over Dillingham Creek.
 COUNTY: Buncombe COLLAR ELEVATION: 2263.8 FT. TOTAL DEPTH: 28.3 FT.

ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2247.4	16.4		2.3	2.3	2.3		
2245.1	18.7		5.0	4.9	4.4		Fresh, gray biotite gneiss. Hard, weakly to moderately foliated with abundant garnets. Occasional seams of lt gray, fine grained quartz-feldspar. Mod weathered seam at 19.8ft. a) Occ parts along foliation @ 40°. b) Fault w/ slickensides @ 60°.
2245.1	18.7			98	88		
2240.1	23.7		4.6	4.6	4.6		
2240.1	23.7		100	100	100		
2235.5	28.3						

CORING TERMINATED AT ELEVATION 2235.5 FT.

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