

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 EB2-B		NORTHING 0.00		EASTING 0.00		0 HR 3.70ft						
ALIGNMENT -L-		STATION 20+31.000		OFFSET 22.00ft RT		24 HR 3.90ft						
COLLAR ELEV 2266.49ft		TOTAL DEPTH 28.20ft		START DATE 8/25/03		COMPLETION DATE 08/25/03						
DRILL MACHINE CME 550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB2-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			
2266.49												Ground Surface
	4.60	21	10	5	1.0							ALLUVIUM: DARK BROWN SILTY SAND WITH MICA.
2260.00												SAPROLITE: BROWN SILTY SAND WITH MICA.
	9.60	4	4	9	1.0					SS-4	M	
	14.60	6	50	50	0.2							WEATHERED ROCK.
2250.00												CORE 1: 16.3'- 18.4' REC=95% □RQD=95%
												CORE 2: 18.4'- 23.4' REC=98% □RQD=98%
												CORE 3: 23.4'- 28.2' REC=77% □RQD=77%
2238.29												BORING TERMINATED AT ELEV 2238.29 IN ROCK.

DATE 27 Aug '03

CORE BORING REPORT

PROJECT: 8.2843601 I. D. NO: B-3310 BORING NO: EB2-B GEOLOGIST: C. A. Dunnagan

DESCRIPTION: Bridge No.145 on SR-2173 over Dillingham Creek.

COUNTY: Buncombe COLLAR ELEVATION: 2266.5 FT. TOTAL DEPTH: 28.2 FT.

ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2250.2	16.3		2.1	2.0	2.0		Med dark gray biotite gneiss. Fresh, hard with garnets, muscovite and trace of pyrite. a) Joint @ 50° with Fe staining.
2248.1	18.4			95	95		
2248.1	18.4		5.0	4.9	4.9	RS-3	21.3'
2243.1	23.4			98	98		White to light gray granite gneiss. Fresh, hard with very weak to weak foliation. Trace of biotite and pyrite.
2243.1	23.4		4.8	3.7	3.7		
2238.3	28.2			77	77		
CORING TERMINATED AT ELEVATION 2238.3 FT.							
DRILLER: J. T. Williams		CORE SIZE: NXWL		EQUIPMENT: CME-550			