

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-A		NORTHING 0.00		EASTING 0.00		0 HR 4.50ft									
ALIGNMENT -L-		STATION 19+25.000		OFFSET 18.00ft LT		24 HR 5.30ft									
COLLAR ELEV 2266.62ft		TOTAL DEPTH 32.90ft		START DATE 8/25/03		COMPLETION DATE 08/25/08									
DRILL MACHINE CME 550			DRILL METHOD SPT CORE BORING		HAMMER TYPE AUTOMATIC										
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB1-A, Page 1 of 1									
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT					SAMPLE NO	LOG MOI	SOIL AND ROCK DESCRIPTION		
		6in	6in	6in		0	25	50	75	100					
2266.62														Ground Surface	
	4.70	20	51	17	1.5									ALLUVIUM: GRAVEL, COBBLES AND BOULDERS.	
2260.00														SAPROLITE: BROWN SILTY SAND WITH GARNETS AND MICA.	
	9.70	3	3	6	1.0									CORE 1: 22.1'- 23.5' REC=57% CORQD=57%	
	14.70	1	2	3	1.0										CORE 2: 23.5'- 28.3' REC=96% CORQD=96%
2250.00															
	19.70	13	15	16	1.0										
2233.72														BORING TERMINATED AT ELEV 2233.72 IN ROCK.	

SHEET 1 OF 1

CORE BORING REPORT

DATE 26 Aug '03

PROJECT: 8.2843601 I. D. NO: B-3310 BORING NO: EB1-A GEOLOGIST: C. A. Dunnagan

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

COUNTY: Buncombe COLLAR ELEVATION: 2266.6 FT. TOTAL DEPTH: 32.9 FT.

ELEV. (FEET)	DEPTH (FEET)	DRILL RATE (MIN./FT.)	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2244.5	22.1		1.4	0.8	0.8		Sli to V Sli weathered, hard mica/garnet gneiss. Fol mod to well developed. Occ highly folded zones. Trace Mn and pyrite on jnts and fol partings. a) Parting along foliation @ 35°. b) Joint @ 35°. c) Joint @ 10°.
2243.1	23.5			57	57		
2243.1	23.5		4.8	4.6	4.6	RS-1	
				96	96		
2238.3	28.3						
2238.3	28.3		4.6	4.6	4.6		
				100	100		
2233.7	32.9						
CORING TERMINATED AT ELEVATION 2233.7 FT.							
DRILLER: <u>J. T. Williams</u>		CORE SIZE: <u>NXWL</u>		EQUIPMENT: <u>CME-550</u>			