

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 B1-B		NORTHING 0.00		EASTING 0.00		0 HR 1.50ft							
ALIGNMENT -L-		STATION 19+63.000		OFFSET 20.00ft RT		24 HR N/A							
COLLAR ELEV 2262.47ft		TOTAL DEPTH 47.60ft		START DATE 8/28/03		COMPLETION DATE 08/28/03							
DRILL MACHINE CME 550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log B1-B, Page 1 of 1							
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT				SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
		6in	6in	6in		0	25	50	75				
2262.47													Ground Surface
2260.00	4.20	3	5	6	1.0					11			ALLUVIUM: SAND, COBBLES AND BOULDERS.
	9.20	4	8	13	1.0					21			SAPROLITE: DARK BROWN SILTY SAND WITH MICA, MOIST.
2250.00	14.20	11	12	17	1.0					29			
2240.00													WEATHERED ROCK.
													CORE 1: 20.2'- 23.1' REC=97% □RQD=66%
													CORE 2: 23.1'- 28.0' REC=94% □RQD=47%
													CORE 3: 28.0'- 33.1' REC=94% □RQD=24%
2230.00													CORE 4: 33.1'- 38.1' REC=80% □RQD=26%
													CORE 5: 38.1'- 42.6' REC=100% □RQD=96%
													CORE 6: 42.6'- 47.6' REC=94% □RQD=74%
2214.87													BORING TERMINATED AT ELEV 2214.87 IN ROCK.

CORE BORING REPORT

DATE 8/25/1997

PROJECT: 8.2843601 I. D. NO: B-3310 BORING NO: B1-B GEOLOGIST: C A Dunnagan

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

COUNTY: Buncombe COLLAR ELEVATION: 2262.5 FT. TOTAL DEPTH: 47.6 FT.

ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2242.3	20.2		2.9	2.8 97	1.9 66		Gray bio/musc gneiss. Hard, sli to very sli weathered. Pred fine grained w/ moderately developed foliation. a) 4 joints @ 10° w/ Mn and Fe stains.
2239.4	23.1						24.1'
2239.4	23.1		4.9	4.6 94	2.3 47		
2234.5	28.0						Brown and white granite and bio/musc gneiss. Very soft to med hard. Severe to mod severely weathered w/ occ seams completely weathered. Non-foliated to well foliated.
2234.5	28.0		5.1	4.8 94	1.2 24	RS-4	a) Abun parts along foliation @ 75°-90°. b) Abun joints @ 10° w/ Mn & Fe stains. c) Several joints @ 45° w/ Mn & Fe stains.
2229.4	33.1						
2229.4	33.1		5.0	4.0 80	1.3 26		
2224.4	38.1						38.5'
2224.4	38.1		4.5	4.5 100	4.3 96		Gray to brown-gray biotite/muscovite gneiss. Hard, slightly weathered to fresh. Predominately weakly foliated with well foliated zones.
2219.9	42.6						
2219.9	42.6		5.0	4.7 94	3.7 74		a) Several joints @ 10° w/ Fe stains. b) 1 joint @ 45° w/ Fe stains.
2214.9	47.6						

CORING TERMINATED AT ELEVATION 2214.9 FT.

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