

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.2843901		ID B-3614		COUNTY BUNCOMBE		GEOLOGIST P.Q.LOCKAMY						
SITE DESCRIPTION BR. NO.300 ON SR.1141 OVER HOMINY CREEK							GND WATER					
BORING NO EB1-B		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT -L-		BORING LOCATION 13+92.000		OFFSET 15.00ft RT		24 HR 5.00ft						
COLLAR ELEV 2171.59ft		TOTAL DEPTH 34.20ft		START DATE 8/15/02		COMPLETION DATE 08/15/02						
DRILL MACHINE CME-550 X			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK 13.20ft			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			
2171.59												
2170.00	4.90	6	8	9	1.5							Ground Surface
										SS-1		ALLUVIUM:TAN LOOSE,SANDY SILT
										SS-2		ALLUVIUM:BROWN GRAVEL AND SAND WITH BOULDERS
2160.00	9.90	40	30	50	1.5					SS-3		SAPROLITE:GRAY SILTY SAND
												WEATHERED ROCK
												CORE 1 REC=80% RQD=80%
												CORE 2 REC=100% RQD=100%
												CORE 3 REC=100% RQD=100%
2150.00												CORE 4 REC=100% RQD=100%
												CORE 5 REC=100% RQD=100%
2140.00												
2137.39												
CORING TERMINATED AT ELEVATION 2137.39 FEET IN MIGMATITE GNEISS												

CORE BORING REPORT							DATE 8/15/02
PROJECT: 8.2843901		I. D. NO: B-3614		BORING NO: EB1-B		GEOLOGIST: PQ LOCKAMY	
DESCRIPTION: BUNCOMBE COUNTY BRIDGE # 300 ON SR-1141 OVER HOMINY CREEK							
COUNTY: BUNCOMBE		COLLAR ELEVATION: 2171.6 FT.		TOTAL DEPTH: 34.2 FT.			
ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2158.4	13.2		1.0	1.0	1.0		BANDED GNEISS AND SOME MIGMATITE GNEISS. HARD AND FRESH. ONE NATURAL BREAK, SLIGHTLY WEATHERED WITH SOIL STAIN
2157.4	14.2			100	100		
2157.4	14.2		5.0	5.0	5.0		BANDED GNEISS AND SOME MIGMATITE GNEISS. HARD AND FRESH. FOUR NATURAL BREAKS, STRONGLY SERPENTINIZED WITH PYRITE FLOWERS
				100	100		
2152.4	19.2						
2152.4	19.2		5.0	5.0	5.0		BANDED GNEISS AND SOME MIGMATITE GNEISS. HARD AND FRESH. TWO NATURAL BREAKS, SOIL STAINED WITH PYRITE FLOWERS
				100	100		
2147.4	24.2						
2147.4	24.2		5.0	5.0	4.7		BANDED GNEISS AND SOME MIGMATITE GNEISS. HARD AND FRESH. ONE NATURAL BREAK, SLIGHTLY SERPENTINIZED WITH PYRITE FLOWERS
				100	94		
2142.4	29.2						
2142.4	29.2		5.0	5.0	5.0		BANDED GNEISS AND SOME MIGMATITE GNEISS. HARD AND FRESH. ONE NATURAL BREAK, SLIGHTLY SERPENTINIZED WITH PYRITE FLOWERS
				100	100		
2137.4	34.2						
CORING TERMINATED AT ELEVATION 2137.4 FT.							
DRILLER: DO CHEEK		CORE SIZE: NX		EQUIPMENT: CME 550			