

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.2843901		ID B-3614		COUNTY BUNCOMBE		GEOLOGIST P.Q. LOCKAMY						
SITE DESCRIPTION BR300 ON SR1141 OVER HOMINY CREEK							GND WATER					
BORING NO EB2-B		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT		BORING LOCATION 14+49.000		OFFSET 21.00ft RT		24 HR 5.90ft						
COLLAR ELEV 2173.40ft		TOTAL DEPTH 33.70ft		START DATE 8/14/02		COMPLETION DATE 08/14/02						
DRILL MACHINE CME-550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK 11.10ft			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			
2173.40												Ground Surface
2170.00	4.63	3	2	1	1.0	3						ALLUVIUM: BRN,GRAY,SLI.CLY. SANDY SILT
2160.00	9.63	4	22	78	0.9				100			ALLUVIUM: GRAVEL WITH SAND & COBBLES
												BEDROCK
												CORE 1 REC=100% RQD=100%
												CORE 2 REC=98% RQD=80%
												CORE 3 REC=98% RQD=92%
												CORE 4 REC=100% RQD=100%
												CORE 5 REC=88% RQD=88%
2149.90												SAPROLITE ZONE IN CORE 5.
												CORING TERMINATED AT ELEVATION 2139.7 FEET IN HARD LAYERED GNEISS

CORE BORING REPORT

DATE 8/19/02

PROJECT: 8.2843901 I. D. NO: B-3614 BORING NO: EB2-B GEOLOGIST: PQ LOCKAMY

DESCRIPTION: BUNCOMBE COUNTY BRIDGE # 300 ON SR-1141 OVER HOMINY CREEK

COUNTY: BUNCOMBE COLLAR ELEVATION: 2173.4 FT. TOTAL DEPTH: 33.2 FT.

ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2161.4	12.0		1.7	1.7	1.7		HARD FRESH LAYERED GNEISS, ONLY MACHINE BREAKS
2159.7	13.7			100	100		
2159.7	13.7		5.0	4.9	4.0		HARD AND FRESH LAYERED AND MIGNATITE GNEISS. FIVE NATURAL BREAKS, THREE WITH SOIL STAINS, THE OTHER TWO BREAKS ARE IN HARD FRESH ROCK WITH NO STAINS
2154.7	18.7			98	80		
2154.7	18.7		5.0	4.9	4.6		HARD AND FRESH LAYERED AND MIGNATITE GNEISS. FOUR NATURAL BREAKS, SERPENTINIZED WITH PYRITE FLOWERS
2149.7	23.7			98	92		
2149.7	23.7		5.0	5.0	5.0		HARD AND FRESH LAYERED AND MIGNATITE GNEISS. TWO NATURAL BREAKS, ONE SERPENTINIZED WITH PYRITE FLOWERS THE OTHER BREAK WITH SOIL STAIN
2144.7	28.7			100	100		
2144.7	28.7		5.0	4.4	4.4		SAPROLITE ZONE FROM 32.6 TO 33.2 - NO RECOVERY. OTHERWISE, IT IS HARD AND FRESH LAYERED AND MIGNATITE GNEISS. SEVEN NATURAL BREAKS, ONE RUST STAINED THE OTHER SIX BREAKS ARE SERPENTINIZED WITH PYRITE FLOWERS
2139.7	33.7			88	88		

CORING TERMINATED AT ELEVATION 2140.2 FT.

DRILLER: DO CHEEH CORE SIZE: NX EQUIPMENT: CME 550