

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.2970601		ID B-3485		COUNTY MACON		GEOLOGIST P. Q. LOCKAMY						
SITE DESCRIPTION -L-							GND WATER					
BORING NO B2-A		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT -L-		BORING LOCATION 15+74.000		OFFSET 14.00R LT		24 HR N/A						
COLLAR ELEV 2133.77R		TOTAL DEPTH 41.60R		START DATE 5/29/02		COMPLETION DATE 05/29/02						
DRILL MACHINE CME 550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log B2-A, 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			
2133.77												Ground Surface
2130.00	4.00	3	7	7	1.0							ALLUVIUM: BROWN GRAVEL AND COBBLES
	9.00	3	2	2	1.0							SAPROLITE: RED-BROWN SILTY SAND WITH CLAY
2120.00	14.00	54	46		0.3							WEATHERED ROCK
												CORE 1: 13.8'- 17.2' REC=82% RQD=18%
												CORE 2: 17.2'- 22.1' REC=90% RQD=35%
												CORE 3: 22.1'- 27.0' REC=100% RQD=84%
												CORE 4: 27.0'- 31.9' REC=96% RQD=80%
												CORE 5: 31.9'- 36.8' REC=100% RQD=94%
												CORE 6: 36.8'- 41.6' REC=100% RQD=100%
2092.17												BORING TERMINATED ALT ELEV 2092.2 IN ROCK

SHEET 1 OF 1

CORE BORING REPORT

DATE 31 May '02

PROJECT: 8.2970601 I. D. NO: B-2847 BORING NO: B2-A GEOLOGIST: C. A. Dunnagan

DESCRIPTION: Bridge No.16 on SR-1309 over Cartoogechaye Creek

COUNTY: Macon COLLAR ELEVATION: 2133.8 FT. TOTAL DEPTH: 41.6 FT.

ELEV (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2120.0	13.8		3.4	2.8	0.6		
2116.6	17.2			82	18		13.8ft to 20.4ft: Brown, mod hard, med severe to mod weathered garnet-biotite gneiss. Pred. Rubble. From 20.4ft to 22.1ft: Brn to gray, mod weath to fresh, garnet-biotite gneiss. Well foliated with abun Mn staining.
2116.6	17.2		4.9	4.4	1.7		a) 1 part along fol @ 40°. b) 3 joints @ 25°.
2111.7	22.1			90	35		
2111.7	22.1		4.9	4.9	4.1		
2106.8	27.0			100	84		Slightly weathered to fresh, hard, light gray to gray garnet-biotite gneiss. Well foliated.
2106.8	27.0		4.9	4.7	3.9		a) 6 parts along foliation @ 55°. b) 2 joints @ 10°. c) 2 joints @ 50°.
2101.9	31.9			96	80		
2101.9	31.9		4.9	4.9	4.6		
2097.0	36.8			100	94		Fresh, hard to very hard, garnet-biotite gneiss. Gray to medium dark gray garnet-biotite gneiss. Gray to medium dark gray. Trace of pyrite; trace of calcite. Well foliated with occasional massive zones.
2097.0	36.8		4.8	4.8	4.8		a) 1 joint @ 40°.
2092.2	41.6			100	100		

CORING TERMINATED AT ELEVATION 2092.2 FT.

DRILLER: E. A. Smith CORE SIZE: NXWL EQUIPMENT: CME-550