

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.2970601		ID B-3485		COUNTY MACON		GEOLOGIST P. Q. LOCKAMY						
SITE DESCRIPTION BRIDGE NO.16 ON SR-1309 OVER CARTOOGECHAYE CREEK							GND WATER					
BORING NO B1-A		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT -L-		BORING LOCATION 15+19.000		OFFSET 14.00R LT		24 HR N/A						
COLLAR ELEV 2133.75R		TOTAL DEPTH 36.80R		START DATE 5/23/02		COMPLETION DATE 05/23/02						
DRILL MACHINE CME 550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log B1-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			
2133.75												Ground Surface
2130.00	4.10	9	4	6	1.0							ALLUVIUM: GRAVEL AND COBBLES
												SAPROLITE: TAN SILTY SAND
	9.10	34	33	54	1.0							
												WEATHERED ROCK
2120.00	14.10	28	72		0.3							CORE 1: 18.5'- 22.1' REC=92% RQD=81%
												CORE 2: 22.1'- 27.0' REC=96% RQD=84%
2110.00												CORE 3: 27.0'- 31.9' REC=94% RQD=82%
												CORE 4: 31.9'- 36.8' REC=98% RQD=67%
2100.00												
2096.95												BORING TERMINATED AT ELEV 2097.0 IN ROCK.

SHEET 1 OF 1

DATE 31 May '02

CORE BORING REPORT

PROJECT: 8.2970601 I. D. NO: B-3485 BORING NO: B1-A GEOLOGIST: C. A. Dunnagan

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

COUNTY: Macon COLLAR ELEVATION: 2133.8 FT. TOTAL DEPTH: 36.8 FT.

ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2115.3	18.5		3.6	3.3	2.9		Hard, mod to sli weathered, tan to gray garnet-biotite gneiss. Interlayers of foliated and massive zones. a) 1 joint @ 30°.
2111.7	22.1			92	81		b) 2 joints @ 50°.
2111.7	22.1						c) 2 parts along foliation @ 55°.
			4.9	4.7	4.1		Hard, gray garnet-biotite gneiss. Interlayers of fresh and mod weath zones. Mn deposits on some joint surfaces.
				96	84		a) 2 jnts @ 35°.
2106.8	27.0						b) 1 jnt @ 50°.
2106.8	27.0						c) 1 part along fol @ 45°.
			4.9	4.6	4.0	RS-2	Very hard, fresh, gray granite gneiss. Massive w/ brown-gray, sli weath garnet-biotite gneiss from 27.0ft to 27.5ft and 31.3ft to 31.9ft (rubble zone).
2101.9	31.9			94	82		a) 2 parts along fol @ 35°.
2101.9	31.9						b) 1 jnt @ 10°.
			4.9	4.8	3.3		Gray-brown to brown, mod weathered biotite gneiss w/ garnet-rich zones. Hard, massive to well foliated. Occ Mn joint infilling. Rubble zone from 33.4ft to 33.7ft.
				98	67		a) 3 jnts @ 10°.
2097.0	36.8						(b) 2 parts along fol @ 55° and 70°.
							c) 1 joint @ 40°.

CORING TERMINATED AT ELEVATION 2097.0 FT.

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