

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 B2-B		NORTHING 0.00		EASTING 0.00		0 HR N/A							
ALIGNMENT -L-		BORING LOCATION 15+85.000		OFFSET 14.00ft RT		24 HR N/A							
COLLAR ELEV 2133.44ft		TOTAL DEPTH 31.60ft		START DATE 5/28/02		COMPLETION DATE 05/28/02							
DRILL MACHINE CME 550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log B2-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				100
2133.44													Ground Surface
2130.00	4.20	30	70	0.3							RS-1		ALLUVIUM: BROWN SAND AND COBBLES
													WEATHERED ROCK
													CORE 1: 5.1'- 7.5' REC=92% RQD=79%
													CORE 2: 7.5'- 12.3' REC=96% RQD=50%
													CORE 3: 12.3'- 17.2' REC=94% REC=69%
													CORE 4: 17.2'- 22.0' REC=94% RQD=50%
													CORE 5: 22.0'- 26.8' REC=100% RQD=100%
													CORE 6: 26.8'- 31.6' REC=100% RQD=100%
2101.84													BORING TERMINATED AT ELEV 2101.8 IN ROCK

CORE BORING REPORT							DATE 3 Jun '02
PROJECT:	8.2970601	I. D. NO:	B-3485	BORING NO:	B2-B	GEOLOGIST:	C. A. Dunnagan
DESCRIPTION:	Bridge No.16 on SR-1309 over Cartoogechaye Creek						
COUNTY:	Macon	COLLAR ELEVATION:	2133.4 FT.	TOTAL DEPTH:	31.6 FT.		
ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2128.3	5.1		2.4	2.2	1.9	RS-1	Hard, mod weath garnet-biotite gneiss. Well foliated. Tan- gray. a) 1 joint @ 30°. b) 1 part along foliation @ 25°.
2125.9	7.5			92	79		
2125.9	7.5		4.8	4.6	2.4		Hard, mod to sli weathered garnet gneiss. Tan to red-brown, soft to med hard with severely weathered rubble zone from 8.0ft to 10.1ft. Well foliated. a) 2 jnts @ 55°. b) Abundant parts along foliation @ 40°.
2121.1	12.3			96	50		
2121.1	12.3		4.9	4.6	3.4		Hard, mod severe weathering, tan garnet gneiss. Well foliated. a) 4 joints @ 70°. b) 2 joints @ 10°.
2116.2	17.2			94	69		
2116.2	17.2		4.8	4.5	2.4		Med to very hard, sev weathered to fresh, garnet-biotite gneiss. Well foliated. Rubble (sev weath) zones @ 17.2ft to 18.1ft, 18.4ft to 18.6ft, 19.3ft to 19.5ft and 20.3ft to 20.6ft. a) Abundant parts along fol @ 30°. b) 2 joints @ 70°. (c) 2 joints @ 10.
2111.4	22.0			94	50		
2111.4	22.0		4.8	4.8	4.8		
2106.6	26.8			100	100		
2106.6	26.8		4.8	4.8	4.8		Very hard, fresh garnet-biotite gneiss. Well foliated.
2101.8	31.6			100	100		
CORING TERMINATED AT ELEVATION 2101.8 FT.							
DRILLER:	G.T. BELL	CORE SIZE:	NXWL	EQUIPMENT:	CME-550		