

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 EB2-A		NORTHING 0.00		EASTING 0.00		0 HR N/A							
ALIGNMENT -L-		BORING LOCATION 16+29.000		OFFSET 11.00ft LT		24 HR 17.40ft							
COLLAR ELEV 2152.80ft		TOTAL DEPTH 20.80ft		START DATE 5/15/02		COMPLETION DATE 05/15/02							
DRILL MACHINE CME 550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB2-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				100
2152.80													
2150.00	3.70	1	1	1	1.0	2							EMBANKMENT: RED SANDY CLAY
2140.00	8.70	0	0	2	1.0	2							
2132.00	13.70	0	1	100	0.2								ALLUVIUM: TAN SANDY SILT WITH CLAY
													CORE 1: 14.8'- 16.0' REC=75% RQD=42%
													CORE 2: 16.0'- 20.8' REC=83% RQD=35%
													BORING TERMINATED AT ELEV 2132.0 IN ROCK.

CORE BORING REPORT

PROJECT: 8.2970601 I. D. NO: B-3485 BORING NO: EB2-A GEOLOGIST: C. A. Dunnagan

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

COUNTY: Macon COLLAR ELEVATION: 2152.8 FT. TOTAL DEPTH: 20.8 FT.

ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2138.0	14.8		1.2	0.9	0.5		
2136.8	16.0			75	42		Light gray and brown biotite gneiss. Hard, moderately severe to moderately weathered w/ garnet-rich zones. Well foliated w/ occ massive zones. a) 5 joints @ 10°. b) 5 parts along fol @ 40°-60°. c) 2 joints @ 30°.
2136.8	16.0		4.8	4.0	1.7		
2132.0	20.8			83	35		

CORING TERMINATED AT ELEVATION 2132.0 FT.

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