

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG SHEET 1 OF 1

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 GEOTECHNICAL UNIT CORE BORING REPORT

PROJECT NO. 33527.1.1 ID. B-4180 COUNTY MACON GEOLOGIST MURRAY C.C.
 SITE DESCRIPTION BRIDGE NO. 323 ON SR 1611 OVER CLEAR CREEK GROUND WATER
 BORING NO. EB1-B BORING LOCATION 16+76.00 OFFSET 14.00 ALIGNMENT L 0 HR. 7
 COLLAR ELEVATION 2514.71 NORTHING 487028.8679 EASTING 742169.9600 24 HR. 7
 TOTAL DEPTH 29.4 DRILL MACHINE MOBILE B-57 DRILL METHOD NW CAS/NXWL HAMMER TYPE AUTOMATIC
 START DATE 11/24/03 COMPLETION DATE 11/24/03 SURFACE WATER DEPTH DEPTH TO ROCK 18.3

PROJECT NO: 33527.1.1 PROJECT ID: B-4180 COUNTY: Macon GEOLOGIST: C.C. MURRAY
 SITE DESCRIPTION: Bridge No. 323 over Clear Creek on SR 1611 DRILLER: J.E. ESTEP
 BORING NO: EB1-B BORING LOCATION (STA): 16+76 OFFSET: 14 RT
 COLLAR ELEV: 2514.71 PERSONNEL: CCM, DB, JEE CORE SIZE: NXWL
 TOTAL DEPTH: 29.40 DRILL MACHINE: CME-550 DATE STARTED: 11-24-03
 TOTAL RUN: 11.2 DRILL EQUIP: NX wireline DATE COMPLETED: 11-24-03

ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT	SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
		0.5	0.5	0.5					
2514.71					0			(ROADWAY FILL) TAN LOOSE TO MED. DENSE SLI. MICA CSE. SAND W/GRAVEL @ 0.0-1.0	
2510.00	5.4	5	5	6	1	X II	M	(ALLUVIUM) GRAY MED. DENSE CSE. SAND	
2505.00	10.4	9	5	6	1	X II		(RESIDUAL) BRN-TAN-WHITE DENSE MICA CSE. SAND	
2500.00	15.4	13	15	20	1	X 35		WEATHERED ROCK	
2495.00	18.3						CORE1	CRYSTALLINE ROCK REC=0% RQD=0%	
2490.00	24.5						CORE2	CRYSTALLINE ROCK REC=96% RQD=96%	
2485.00								CRYSTALLINE ROCK REC=78% RQD=75%	
2480.00									
2475.00									
2470.00									
2465.00									
2460.00									
2455.00									
2450.00									
2445.00									
2440.00									
2435.00								TERMINATED BORING AT ELEV. 2485.31 IN FRESH MOD. HARD BIOTITE GARNET BANDED GNEISS	

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
2496.41	18.3		1	0	0		18.3-23.1 Low penetration resistance, no recovery.
2491.61	23.1		2	96	96		23.1-24.5 Gray and white, fresh, mod hard, mod close fractured, biotite garnet banded gneiss. (unfractured)
2490.21	24.5		3	78	75		24.5-29.4 gray and white fresh mod. hard, mod close to close fractured biotie garnet banded gneiss. some core loss at end of run was left in the hole.
2485.31	29.4						Boring terminated at 29.4
NOTES							