NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.2852001	ID B-3419	COUNTY BURKE	GEOLOGIST TB DANIEL
SITE DESCRIPTION BRIDGE NO.46 OVER CATAWBA RIVER ON SR.1223			GND WATER
BORING NO EB2-A	NORTHING 0.00	EASTING 0.00	0 HR N/A
ALIGNMENT -L-	BORING LOCATION 20+91.000	OFFSET 24.00ft LT	24 HR N/A
COLLAR ELEV 1070.10ft	TOTAL DEPTH 33.10ft	START DATE 5/30/03	COMPLETION DATE 05/30/03
DRILL MACHINE CME-550X	DRILL METHOD SPT CORE BORING		HAMMER TYPE AUTOMATIC
SURFACE WATER DEPTH N/A	DEPTH TO ROCK N/A		Log EB2-A, Page 1 of 1

ELEV	DEPTH	BLOW CT 6in	BLOW CT 6in	BLOW CT 6in	PEN (ft)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
1070.10						Ground Surface				
	4.40	1	3	3	1.0	6	SS-2			RESIDUAL: BROWN SILTY SAND, MOI.
1060.00	9.40	12	16	15	1.0	31	SS-3			SAPROLITE: BROWN SILTY FINE SAND, MOI.
	14.40	60			0.1	60				WEATHERED ROCK
										CORE 1: REC=50% RQD=13%
1050.00										CORE 2: REC=100% RQD=91%
										CORE 3: REC=92% RQD=65%
1040.00										CORE 4: REC=100% RQD=88%
1037.00						CORING TERMINATED AT A DEPTH OF 33.1 FEET IN CRYSTALLINE ROCK.				

SHEET __ OF 1

DATE 6/3/03

CORE BORING REPORT

PROJECT: 8.2852001 I. D. NO: B-3419 BORING NO: EB2-A GEOLOGIST: T B DANIEL

DESCRIPTION: BRIDGE NO. 46 ON S.R. 1223 OVER CATAWBA RIVER 20+91 24' LT -L-

COUNTY: BURKE COLLAR ELEVATION: 1070.1 FT. TOTAL DEPTH: 33.1 FT.

ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
1055.6	14.5		3.8	1.9 / 50	0.5 / 13		MODERATELY WEATHERED MEDIUM HARD METAGREYWACKE GNEISS. ASHE FORMATION. NUMEROUS MACHINE BREAKS.
1051.8	18.3		4.7	4.7 / 100	4.3 / 91		MODERATELY TO SLIGHTLY WEATHERED, MEDIUM HARD TO HARD METAGREYWACKE GNEISS. ALL BREAKS ALONG FOLIATION.
1047.1	23.0	RS-3	5.2	4.8 / 92	3.4 / 65		VERY HARD & FRESH, SLIGHTLY MIGMATITIC METAGREYWACKE GNEISS. A FEW BREAKS ALONF MICACEOUS FOLIATION.
1041.9	28.2	RS-4	4.9	4.9 / 100	4.3 / 88		VERY HARD & FRESH, SLIGHTLY MIGMATITIC METAGREYWACKE GNEISS.
1037.0	33.1						

CORING TERMINATED AT ELEVATION 1037.0 FT.

DRILLER: JT WILLIAMS CORE SIZE: NXWL EQUIPMENT: CME-550