

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-B		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT -L-		BORING LOCATION 21+11.000		OFFSET 12.00ft RT		24 HR N/A						
COLLAR ELEV 1075.30ft		TOTAL DEPTH 26.40ft		START DATE 6/02/03		COMPLETION DATE 06/02/03						
DRILL MACHINE CME-550X			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH N/A			DEPTH TO ROCK N/A			Log EB2-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			
1075.30												Ground Surface
1070.00	3.70	11	7	6	1.0	13						SAPROLITE: RED BROWN SLIGHTLY MICACEOUS SILTY SAND, MOIST
												WEATHERED ROCK
												CORE 1: REC=100 RQD=71%
												CORE 2: REC=92% RQD=79%
												CORE 3: REC=86% RQD=68%
												CORE 4: REC=82% RQD=70%
1050.00 1048.90												CORING TERMINATED AT A DEPTH OF 26.4 FEET IN CRYSTALLINE ROCK.

SHEET 8 OF 12

CORE BORING REPORT

DATE 6/3/03

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

DESCRIPTION: BRIDGE NO. 46 ON S.R. 1223 OVER CATAWBA RIVER 21+11 12' RT -L-

COUNTY: BURKE COLLAR ELEVATION: 1075.3 FT. TOTAL DEPTH: 26.4 FT.

ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
1068.9	6.4			4.8	3.4		ASHE FORMATION SLIGHTLY WEATHERED MODERATELY HARD METAGREYWACKE GNEISS. 8 CLAY STAINED BREAKS FROM 6.4 - 8.3
			4.8	100	71		8.3 - 11.2 VERY HARD AND FRESH. 1 MACHINE BREAK.
1064.1	11.2						
1064.1	11.2			4.8	4.1		VERY HARD AND FRESH WITH WEATHERING AT 2 NATURAL BREAKS. METAGREYWACKE GNEISS, SLIGHTLY MIGMATITIC.
			5.2	92	79		
1058.9	16.4						
1058.9	16.4	RS-2		4.3	3.4		METAGREYWACKE GNEISS. VARIABLY WEATHERED, 50% HARD & FRESH, 50% MODERATELY WEATHERED WITH CLAY IN 1 BREAK. BREAKS ALONG FOLIATION
			5.0	86	68		
1053.9	21.4						
1053.9	21.4			4.1	3.5		METAGREYWACKE GNEISS. VARIABLY WEATHERED, 75% HARD & FRESH, 25% MODERATELY WEATHERED. BREAKS ALONG FOLIATION.
			5.0	82	70		
1048.9	26.4	RS-1					

CORING TERMINATED AT
ELEVATION 1048.9 FT.

DRILLER: JT WILLIAMS

CORE SIZE: NXWL

EQUIPMENT: CME-550