NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

PROJECT NO. 33177.1.1	ID. B-3629	COUNTY CASWELL	GEOLOGIST MURRAY C.C.
SITE DESCRIPTION BRIDGE NO. 11 ON SR 1565 OVER COUNTRY LINE CREEK			GROUND WATER
BORING NO. B4-B	BORING LOCATION 27+40.00	OFFSET 5.30	ALIGNMENT L	0 HR.
COLLAR ELEVATION 378.93	NORTHING	EASTING	24 HR.
TOTAL DEPTH 48.7	DRILL MACHINE CME-550	DRILL METHOD NW CASINGXWL	HAMMER TYPE AUTOMATIC
START DATE 12/11/03	COMPLETION DATE 12/11/03	SURFACE WATER DEPTH 8.4	DEPTH TO ROCK 41

ELEV.	DEPTH (FT.)	BLOW COUNT 0.5	0.5	0.5	PEN. (FT.)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
378.93										
375.00	4.6	0	1	2	1	3	SS-18	W		(ALLUVIUM) GRAY-GREEN V. LOOSE SILTY CLAYEY SAND
370.00	9.6	20	34	66	0.9	100				(RESIDUAL) PINK TO OLIVE & WHITE MED. DENSE SILTY CSE. SAND
										WEATHERED ROCK (SEV. WEATH. GNEISS)
365.00	13.5	7	12	12	1	24				TAN-BRN MED. DENSE SILTY CSE. SAND
360.00	18.5	10	34	66	0.9	100	SS-19	W		WEATHERED ROCK (PINK SEV. WEATH. GNEISS)
355.00	23.5	100			0.4	100				
350.00	28.5	100			0.4	100				
345.00	33.5	38	62		0.8	100				
340.00	38.5	100			0.3	100				
	41						CORE1			CRYSTALLINE ROCK REC=93% RQD=93%
335.00	44						CORE2			CRYSTALLINE ROCK REC=78% RQD=72.3%
330.00										
325.00										
320.00										
315.00										
310.00										
305.00										BORING TERMINATED AT ELEV. 330.23 IN HARD FRESH GNEISS
300.00										

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

PROJECT NO: (33177.1.1) **PROJECT ID:** B-3629 **COUNTY:** Caswell **GEOLOGIST:** C.C. MURRAY
SITE DESCRIPTION: Bridge # 11 on SR 1565 over Country Line Creek **DRILLER:** J.E. ESTEP
BORING NO: B4-B **BORING LOCATION (STA):** 27+40 **OFFSET:** 5.3RT
COLLAR ELEV: 378.93 **PERSONNEL:** JEE DKB TAM CCM **CORE SIZE:** NXWL
TOTAL DEPTH: 48.7 **DRILL MACHINE:** CME-550 **DATE STARTED:** 12/11/03
TOTAL RUN: 7.7 **DRILL EQUIP:** **DATE COMPLETED:** 12/11/03

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
337.93	41.0		1	93	93		41.0-48.7 Hard, fresh, wide-spaced fractures. Gneiss from metamorphosed conglomerate or volcanic. Fracture sets have dips of 60 and 45 degrees. Foliation is at 15 degree dip and also is often fractured. Beds of Dark phase rock and lightphase alternate. Dark phase is biotite-Quartz-feldspar
334.93	44		2	78	72.3		and light phase is feldspar-quartz-biotite. Clay on fractures.
330.23	48.7						

NOTES