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. B3-A	BORING LOCATION 26+92.00	OFFSET -5.50	ALIGNMENT L	0 HR.
COLLAR ELEVATION 378.98	NORTHING	EASTING	24 HR.
TOTAL DEPTH 44.4	DRILL MACHINE CME-550	DRILL METHOD NW CAS/NXWL	HAMMER TYPE AUTOMATIC
START DATE 12/9/03	COMPLETION DATE 12/9/03	SURFACE WATER DEPTH 3	DEPTH TO ROCK 24.7

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
378.98	0	1	1	1	1	X 2	SS-6	W		(ALLUVIUM) TAN-BRN V. LOOSE CSE. SAND W/WOOD FRAGS.
375.00	5	1	1	1	1	X 2	SS-7	W		(RESIDUAL) TAN-BRN V. LOOSE MICA. CSE. SAND
370.00	10	26	72	28	0.6	100 X	SS-8	W		OLIVE-GREEN MED. DENSE SILTY CSE. SAND
365.00	13.5	70	30		0.6	100 X	SS-9			WEATHERD ROCK (RED-PINK & GREEN SEV. WEATH. GNEISS)
360.00	18.5	100			0.4	100 X				
355.00	23.5 24.7	100			0.4	100 X	CORE1			CRYSTALLINE ROCK REC=96% RQD=39.5%
350.00	29.5						CORE2			CRYSTALLINE ROCK REC=92.8% RQD=18.5%
345.00	34.3						CORE3			CRYSTALLINE ROCK REC=75% RQD=0%
340.00	39.4						CORE4			CRYSTALLINE ROCK REC=56% RQD=0%
335.00										
330.00										
325.00										
320.00										
315.00										
310.00										
305.00										BORING TERMINATED AT ELEV. 334.58 IN MOD. SEV. WEATH. SOFT 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: B3-A **BORING LOCATION (STA):** 26+92 **OFFSET:** 5.5LT
COLLAR ELEV: 378.98 **PERSONNEL:** JEE DKB TAM CCM **CORE SIZE:** NXWL
TOTAL DEPTH: 44.4 **DRILL MACHINE:** CME-550 **DATE STARTED:** 12/9/03
TOTAL RUN: 19.7 **DRILL EQUIP:** **DATE COMPLETED:**

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
354.28	24.7		1	96	39.5		24.7 -31.5 Hard, moderately weathered, moderately close fractured gneiss from conglomerate or volcanic rock. Foliation dips at 25 to 30 degrees. fracture sets dip at 30, 60 and 45 degrees
349.48	29.5		2	92.8	18.5		31.5' - 39.4 Hard, moderate to worse weathereing, close fractured gniess from volcanic or conglomeate rock. 6" to 1' layers or beds defined on varying amouts of biotite
344.63	34.35		3	75	0		
339.58	39.4		4	56	0		39.4 to 44. Hard to very hard moderate to slighly weathered, Very close fractured gneiss. Fresh feldspars, but clay was found on fractures. Fractures with 90, 60 and 45 degree dips.
334.58	44.4						44-44.4 Moderately severe weathereing soft, very close fractured gneiss.

NOTES