

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

SHEET 18 OF 34

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

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. B2-A	BORING LOCATION 26+40.00	OFFSET -6.20	ALIGNMENT L
COLLAR ELEVATION 384.68	NORTHING	EASTING	0 HR.
TOTAL DEPTH 54.9	DRILL MACHINE CME-550	DRILL METHOD NWCAS/NXWL	HAMMER TYPE AUTOMATIC
START DATE 12/11/03	COMPLETION DATE 12/11/03	SURFACE WATER DEPTH 2.8	DEPTH TO ROCK 15.5

PROJECT NO: (33177.1.1) PROJECT ID: B-3629 COUNTY: Caswell
 SITE DESCRIPTION: Bridge # 11 on SR 1565 over Country Line Creek
 BORING NO: B2-A BORING LOCATION (STA): 26+40
 COLLAR ELEV: 384.68 PERSONNEL: JEE DKB TAM CCM
 TOTAL DEPTH: 54.9 DRILL MACHINE: CME-550
 TOTAL RUN: 39.4 DRILL EQUIP:

GEOLOGIST: C.C. MURRAY
 DRILLER: J.E. ESTEP
 OFFSET: 6.2LT
 CORE SIZE: NXWL
 DATE STARTED: 12/11/03
 DATE COMPLETED: 12/11/03

ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
		0.5'	1.0'	1.5'		0	25	50	75			
384.68												(ALLUVIUM) GREEN-GRAY V. SOFT F. SANDY SILTY CLAY
380.00	5.2	0	0	1	1					SS-20	W	
375.00	10.2	0	0	0	1					SS-21	W	GREEN-GRAY V. SOFT CLAYEY F. SANDY SILT
370.00	15.2 15.5	100			0.3				100 X	CORE1		WEATHERED ROCK (GRAY-PINK & WHITE SEV. WEATH. MICA GNEISS) CRYSTALLINE ROCK REC=34% RQD=0%
365.00	19.9 21.4	10	8	21	1				29 X	SS-22 CORE2	W	(RESIDUAL) GRAY-GREEN-PINK & WHITE MED. DENSE CSE. SAND CRYSTALLINE ROCK REC=77% RQD=0%
360.00	24.9									CORE3		CRYSTALLINE ROCK REC=62% RQD=0%
355.00	29.9									CORE4		CRYSTALLINE ROCK REC=68% RQD=7%
350.00	34.9									CORE5		CRYSTALLINE ROCK REC=38% RQD=8%
345.00	39.9									CORE6		CRYSTALLINE ROCK REC=54% RQD=20%
340.00	44.9									CORE7		CRYSTALLINE ROCK REC=88% RQD=10%
335.00	49.9									CORE8		CRYSTALLINE ROCK REC=88% RQD=0%
330.00												
325.00												
320.00												
315.00												
310.00												
305.00												

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
369.18	15.5		1	34	0		15.5' -34.4' Pink, well foliated moderately to moderately severely weathered, moderately hard, very close fractured gneiss after volcanic or sandstone. Light colored.
364.78	19.9		2	77	0		
363.28	21.4						
359.78	24.9		3	62	0		
354.78	29.9		4	68	7		
349.78	34.9		5	38	8		34.4' -47' Pink and black slightly weathered to moderately weathered, hard, moderately close fractured gneiss after volcanics or sediments. fracture sets with dips of 60, 75, and 90 degrees. Foliation at 20 degree dip.
344.78	39.9		6	54	20		
339.78	44.9		7	88	10		47' -51' Pink metavolcanic as above with layers of mica, moderately to moderately severely weathered medium hard to soft, very close fractured.
334.78	49.9		8	88	0		51 to 54.9' Moderately weathered Moderately hard close fractured metamorphosed conglomerate or crystal tuff. Fracture sets have dips of 90, and 75 degrees, dip of foliations is 15 to 20 degrees.
329.78	54.9						
NOTES							

BORING TERMINATED AT
 ELEV. 329.78 IN MOD.
 WEATH. MOD. HARD
 METAMORPHOSED
 CONGLOMERATE