

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

SHEET 20 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 MECHUM T.A.
SITE DESCRIPTION BRIDGE NO. 11 ON SR 1565 OVER COUNTRY LINE CREEK			GROUND WATER
BORING NO. B3-B	BORING LOCATION 26+93.00	OFFSET 3.50	ALIGNMENT L
COLLAR ELEVATION 380.42	NORTHING	EASTING	0 HR.
TOTAL DEPTH 50.4	DRILL MACHINE CME-550	DRILL METHOD NW CAS/NXL	HAMMER TYPE AUTOMATIC
START DATE 12/16/03	COMPLETION DATE 12/16/03	SURFACE WATER DEPTH 4.6	DEPTH TO ROCK 15.6

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-B BORING LOCATION (STA): 26+93 OFFSET: 3.5RT
 COLLAR ELEV: 380.42 PERSONNEL: JEE DKB TAM CCM CORE SIZE: NXWL
 TOTAL DEPTH: 50.4 DRILL MACHINE: CME-550 DATE STARTED: 12/6/03
 TOTAL RUN: 34.9 DRILL EQUIP: DATE COMPLETED: 12/6/03

ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT	PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
				0	25	50	75			
380.42										
380.00										(ALLUVIUM) GRAY-BRN V. SOFT CLAYEY F. SANDY SILT W/WOOD CHIPS
375.00	6	0	0	0	1					SAT
370.00	11	10	17	36	1					(RESIDUAL) GRAY-WHITE V. DENSE MICA. CSE. SAND
365.00	15.3	100		0.3						CORE1 WEATHERED ROCK (SEV. WEATH. GNEISS)
360.00	20.6									CORE2 CRYSTALLINE ROCK REC=73% RQD=15%
355.00	25.6									CORE3 CRYSTALLINE ROCK REC=64% RQD=0%
350.00	30.6									CORE4 CRYSTALLINE ROCK REC=98% RQD=0%
345.00	35.7									CORE5 CRYSTALLINE ROCK REC=94% RQD=15.6%
340.00	40.7									CORE6 CRYSTALLINE ROCK REC=96% RQD=42%
335.00	45.7									CORE7 CRYSTALLINE ROCK REC=36% 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
365.12	15.3		1	73	15		15.3 -35.7 Moderately hard, moderately weathered, close spaced fracture, banded gneiss from metamorphosed volcanic or conglomerate. fracture sets have dips of 90, 80, 60 degrees. Foliation dip is 15 to 20 degrees and is often fractured.
359.82	20.6		2	64	0		
354.82	25.6		3	98	0		
349.82	30.6		4	94	15.6		
344.72	35.7		5	96	42		35.7' - 50.4' Pink, moderate to slightly weathered, hard, moderately close fractured metamorphosed volcanic or conglomerate. fracture sets dip at 60 and 40 degrees, in opposition to each other, and @ 90 degrees. Foliation which also fractures has a dip of 15 to 20 degrees.
339.72	40.7		6	36	0		
334.72	45.7		7	68	19		
330.02	50.4						

NOTES

BORING TERMINATED AT
 ELEV. 330.02 IN
 METAMORPHOSED VOLCANIC
 OR CONGLOMERATE