

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 33261.1.1		ID B-3805		COUNTY ASHE		GEOLOGIST T B DANIEL						
SITE DESCRIPTION BRIDGE NO.310 ON SR-1507 OVER BUFFALO CREEK						GND WATER						
BORING NO EB2-C		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT -L-		STATION 11+26.000		OFFSET 0.00ft		24 HR N/A						
COLLAR ELEV 2711.40ft		TOTAL DEPTH 42.40ft		START DATE 5/26/04		COMPLETION DATE 05/26/04						
DRILL MACHINE CME 550		DRILL METHOD SPT CORE BORING		HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH		DEPTH TO ROCK N/A		Log EB2-C, 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			
2711.40												
2710.00												
												Ground Surface
												EMBANKMENT: BROWN SAND, GRAVEL AND BOULDERS.
												CORE 1: 14.4'- 18.8' REC=82% □RQD=59%
												CORE 2: 18.8'- 23.6' REC=100% □RQD=100%
												CORE 3: 23.6'- 28.3' REC=94% □RQD=87%
												CORE 4: 28.3'- 32.9' REC=98% □RQD=87%
												CORE 5: 32.9'- 37.8' REC=96% □RQD=96%
												CORE 6: 37.8'- 42.4' REC=98% □RQD=98%
2670.00												
2669.00												
												BORING TERMINATED AT ELEV 2669.0 IN ROCK.

CORE BORING REPORT

PROJECT: 33261.1.1 I. D. NO: B-3805 BORING NO: EB2-C GEOLOGIST: C A Dunnagan

DESCRIPTION: Bridge NO.310 on SR-1507 over Buffalo Creek

COUNTY: Ashe COLLAR ELEVATION: 2711.4 FT. TOTAL DEPTH: 42.4 FT.

ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2699.3	12.1		2.3	0.0	0.0		Sand, gravel and boulder embankment.
				0	0		
2697.0	14.4						Dark gray amphibolite gneiss with white quartz/feldspar layers. Hard, slightly weathered. a) Occasional joints @ 5°. b) Occasional parts along foliation @ 55°.
2697.0	14.4		4.4	3.6	2.6		
				82	59		
2692.6	18.8						
2692.6	18.8		4.8	4.8	4.8		
				100	100		
2687.8	23.6						124
2687.8	23.6		4.7	4.4	4.1		
				94	87		
2683.1	28.3						
2683.1	28.3		4.6	4.5	4.0		
				98	87		
2678.5	32.9						
2678.5	32.9		4.9	4.7	4.7		
				96	96		
2673.6	37.8						

CORING TERMINATED AT
ELEVATION 2669.0 FT.

DRILLER: J T Williams CORE SIZE: NXWL EQUIPMENT: CME-550

31"