

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 33261.1.1		ID B-2805		COUNTY ASHE		GEOLOGIST P Q LOCKAMY								
SITE DESCRIPTION							GND WATER							
BORING NO EB1-C		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -L-		STATION 10+13.000		OFFSET 0.00ft		24 HR N/A								
COLLAR ELEV 2706.70ft		TOTAL DEPTH 42.90ft		START DATE 6/02/04		COMPLETION DATE 06/02/04								
DRILL MACHINE CME-550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB1-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	100				
2706.70														Ground Surface
	3.80	8	7	10	1.0									EMBANKMENT: BLACK SILTY SAND WITH GRAVEL AND BOULDERS
														CORE 1: 5.7'- 9.3' REC=25% □RQD=22%
														CORE 2: 9.3'- 14.3' REC=28% □RQD=14%
														CORE 3: 14.3'- 19.3' REC=60% □RQD=52%
														CORE 4: 19.3'- 23.0' REC=95% □RQD=95%
														CORE 5: 23.0'- 24.3' REC=100% □RQD=100%
														CORE 6: 24.3'- 29.3' REC=96% □RQD=96%
														CORE 7: 29.3'- 34.0' REC=98% □RQD=98%
														CORE 8: 34.0'- 38.5 REC=100% □RQD=100%
														CORE 9: 38.5'- 42.9' REC=100% □RQD=100%
														BORING TERMINATED AT ELEV 2663.8 IN ROCK.

SHEET 1 OF 2

DATE 6/7/2004

CORE BORING REPORT

PROJECT: 33261.1.1 I. D. NO: B-3805 BORING NO: EB1-C GEOLOGIST: C A Dunnagan
 DESCRIPTION: Bridge No.310 on SR-1507 over Buffalo Creek
 COUNTY: Ashe COLLAR ELEVATION: 2706.7 FT. TOTAL DEPTH: 42.9 FT.

ELEV. (FEET)	DEPTH (FEET)	DRILL RATE MIN./FT.	RUN (FEET)	REC. FEET %	RQD. FEET %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
2701.0	5.7			0.9	0.8		
			3.6	25	22		
2697.4	9.3						
2697.4	9.3		5.0	1.4	0.7		
				28	14		
2692.4	14.3						Dark green-gray amphibolite. Hard, slightly to very slightly weathered. Finely foliated.
2692.4	14.3		5.0	3.0	2.6		
				60	52		a) Occasional joints @ 0° b) Occasional joints @ 10° c) Occasional parts along foliation @ 50°.
2687.4	19.3						
2687.4	19.3		3.7	3.5	0.0		
				95	0		
2683.7	23.0						
2683.7	23.0		1.3	1.3	1.3		
				100	100		
2682.4	24.3						
2682.4	24.3		5.0	4.8	4.8		
				96	96		
2677.4	29.3						

CORING TERMINATED AT ELEVATION 2663.8 FT.

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