

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

PROJECT NO 34357.1.1		ID R-0977A		COUNTY CHEROKEE		GEOLOGIST TB DANIEL								
SITE DESCRIPTION US 64 EBL OVER HIWASSEE RIVER AT -LC1B- 16+02.3 POT							GND WATER							
BORING NO EB1-A		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -LC1B-		BORING LOCATION 14+92.145		OFFSET 0.96m LT		24 HR 1.28m								
COLLAR ELEV 465.55m		TOTAL DEPTH 8.91m		START DATE 2/04/04		COMPLETION DATE 02/04/04								
DRILL MACHINE CME-550			DRILL METHOD H.S. AUGERS			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB1-A, Page 1 of 1								
ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm					SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm		0	25	50	75	100				
465.55														Ground Surface
465.00	1.50	2	2	3	0.30	5								MIXED FILL: SANDY SILT WITH SAND AND GRAVEL
463.00	3.02	4	21	79	0.21									ALLUVIUM: SILTY SAND WITH BASAL GRAVEL
461.00														WEATHERED ROCK
459.00														CORED TOTAL RUN=5.46 M TOTAL REC=98% TOTAL RQD=24%
457.00														
456.64														CORING TERMINATED IN MODERATELY WEATHERED, MODERATELY HARD PHYLLITE AT A DEPTH OF 8.91 METERS.

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DATE 2/4/04

CORE BORING REPORT

PROJECT:	8.1910203	I. D. NO:	R-0977A	BORING NO:	EB1-A	GEOLOGIST:	TB DANIEL
DESCRIPTION:	BRIDGE ON -LC1B- (US 64) OVER -HIWASSEE RIVER 14+92.145 0.958 LT. -LC1B-						
COUNTY:	CHEROKEE	COLLAR ELEVATION:	465.55 m	TOTAL DEPTH:	8.91 m		
ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
462.10	3.45		0.80	0.78	0.22		MN OXIDE DEPOSITS ON BREAKS. 3.45 - 7.37 SEVERE TO MODERATELY SEVERELY WEATHERED. SOFT TO MEDIUM HARD. BEDDING 45 TO 50 DEGREES. PHYLLITE
461.30	4.25			98	28		
461.30	4.25			1.12	0.00		
460.18	5.37		1.12	100	0		
460.18	5.37			0.50	0.00		
459.68	5.87			100	0		
459.68	5.87		1.50	1.50	0.72		
458.18	7.37			100	48		
458.18	7.37			1.45	0.37		7.37 - 8.91 MODERATE WEATHERING, MODERATELY HARD LIGHT OXIDE STAINS ON BEDDING BREAKS.
456.64	8.91		1.54	94	24		PHYLLITE
CORING TERMINATED AT ELEVATION 456.64 m							
DRILLER: JT WILLIAMS		CORE SIZE: NWD-4		EQUIPMENT: CME-550			

Updated 7/26/95