

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 B1-B		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT -LC1B-		BORING LOCATION 15+46.655		OFFSET 10.29m RT		24 HR 0.65m						
COLLAR ELEV 463.85m		TOTAL DEPTH 11.70m		START DATE 2/03/04		COMPLETION DATE 02/03/04						
DRILL MACHINE CME-550			DRILL METHOD CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log B1-B, 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			
463.85												Ground Surface
463.00	1.38	0	0	1	0.30					SS-6		ALLUVIUM: FINE SANDY SILT WITH CLAY AND BASAL SAND AND GRAVEL.
461.00	2.90	27	39	61	0.22							WEATHERED ROCK CRYSTALLINE ROCK TOTAL CORE RUN=8.54 TOTAL REC=98% TOTAL RQD=89%
459.00												
457.00												
455.00												
453.00												
452.15												CORING TERMINATED IN HARD FRESH PHYLLITE AT A DEPTH OF 11.7 METERS.

SHEET 14 OF 33

DATE 2/4/04

CORE BORING REPORT

PROJECT: 8.1910203		I. D. NO: R-0977A		BORING NO: B1-B		GEOLOGIST: TB DANIEL	
DESCRIPTION: BRIDGE ON -LC1B- (US 64) OVER -HIWASSEE RIVER 15+46.655 10.290 RT. -LC1B-							
COUNTY: CHEROKEE		COLLAR ELEVATION: 465.85 m		TOTAL DEPTH: 11.70 m			
ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
462.69	3.16		0.86	0.84	0.13		MN OXIDE DEPOSITS ON BREAKS. 3.16 - 3.83 RUBBLE OF SOFT, MODERATE SEV. WEATHERED PHYLLITE
461.83	4.02			98	15		
461.83	4.02		1.55	1.49	1.43		3.83 - 11.7 HARD FRESH PHYLLITE 1 WEATHERED ZONE ALONG BEDDING PLAIN 7.92 METERS DEPTH ALL OTHER BREAKS ARE MACHINE BREAKS
460.28	5.57			96	92		
460.28	5.57		1.47	1.47	1.47		
458.81	7.04			100	100		
458.81	7.04		1.49	1.42	1.42		Good rock
457.32	8.53			95	95		
457.32	8.53		1.73	1.72	1.72		
455.59	10.26			99	99		
455.59	10.26		1.44	1.44	1.44		
454.15	11.70			100	100		
CORING TERMINATED AT ELEVATION 454.15 m							
DRILLER: JT WILLIAMS		CORE SIZE: NWD-4		EQUIPMENT: CME-550			