NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.1910203	**ID** R-977A	**COUNTY** CHEROKEE	**GEOLOGIST** L. A. MANN
SITE DESCRIPTION BRIDGE ON US 64 OVER HIWASSEE RIVER AT PEACHTREE			**GND WATER**
BORING NO WBL B5-B	**NORTHING** 0.00	**EASTING** 0.00	**0 HR** N/A
ALIGNMENT -L-REV	**BORING LOCATION** 68+81.000	**OFFSET** 5.70m LT	**24 HR** N/A
COLLAR ELEV 472.33m	**TOTAL DEPTH** 25.09m	**START DATE** 1/06/98	**COMPLETION DATE** 01/21/98
DRILL MACHINE CME-45 SKID	**DRILL METHOD** SPT CAS ADV NXWL		**HAMMER TYPE** AUTOMATIC
SURFACE WATER DEPTH 2.00m	**DEPTH TO ROCK** 13.18m		Log WBL B5-B, Page 1 of 2

ELEV	DEPTH	BLOW CT 15cm	15cm	15cm	PEN (m)	BLOWS PER 30cm (0 25 50 75 100)	SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
474.33						Surface Water				
473.00						5 Ground Surface				
	0.00	3	3	2	0.3					ALLUVIUM: BROWN, LOOSE, SILTY SAND
471.00						68				SAPROLITE: OLIVE GRAY, VERY HARD, FINE SANDY SILT
	1.56	31	39	29	0.3		SS-500			
469.00						98				
	3.06	18	34	64	0.3					OLIVE GRAY, SILTY SOFT TO HARD WEATHERED ROCK
						100				
	4.58	10	56	44	0.2					
467.00						100				
	6.08	13	57	43	0.2					
465.00						95				
	7.60	28	34	61	0.3					SAPROLITE: OLIVE GRAY, VERY HARD, FINE SANDY SILT
						74				
	8.62	21	48	26	0.3					
463.00						100				OLIVE GRAY, SILTY SOFT WEATHERED ROCK
	10.14	100	0	0	0.1					
461.00						100				
	11.67	100	0	0	0.1					
459.00							COR 1			FRESH, SLIGHTLY FRACTURED TO SOUND PHYLLITE REC=79% RQD=46%
							COR 2			
457.00										

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ELEV	DEPTH	BLOW CT 15cm	15cm	15cm	PEN (m)	BLOWS PER 30cm (0 25 50 75 100)	SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
457.00										
456.00							COR 3			FRESH, SLIGHTLY FRACTURED TO SOUND PHYLLITE REC=79% RQD=46%
454.00							COR 4			SLIGHTLY WEATHERED TO FRESH, HIGHLY FRACTURED, FAULTED PHYLLITE REC=71% RQD=6%
452.00							COR 5			
450.00							COR 6			FRESH, SOUND PHYLLITE REC=92% RQD=66%
448.00							COR 7			
447.24							COR 8			
						BORING TERMINATED AT ELEVATION 447.239 METERS IN ROCK				