

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.2751801		ID B-3709		COUNTY WATAUGA		GEOLOGIST L. L. ACKER							
SITE DESCRIPTION BR. # 94 ON SR-1111 OVER LAUREL FORK CREEK						GND WATER							
BORING NO EBI-A		NORTHING 0.00		EASTING 0.00		0 HR N/A							
ALIGNMENT -L-		BORING LOCATION 16+77.000		OFFSET 12.00ft LT		24 HR 2.80ft							
COLLAR ELEV 2796.04ft		TOTAL DEPTH 14.00ft		START DATE 1/28/03		COMPLETION DATE 01/28/03							
DRILL MACHINE CME-550			DRILL METHOD CORE BORING			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH N/A			DEPTH TO ROCK 3.60ft			Log EBI-A, 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
2796.04													Ground Surface
2790.00										CORE 1			EMBANKMENT: YELLOW-BROWN, LOOSE, SILTY SAND WITH ABUNDANT ROCK FRAGMENTS
										CORE 2			WEATHERED ROCK HARD ROCK: NOT CORED
2782.04													HARD ROCK: FRESH GREENSTONE REC=100 RQD=100
													TERMINATED BORING IN HARD ROCK AT ELEVATION 2782.0 FEET

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EBI-A

CORE 1: 4.6 – 9.5
 CORE 2: 9.5 – 14.0

REC=100% RQD=100%
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LAYER 1: 4.6 – 14.0 Moderately hard, fresh chlorite greenstone; non-layered, poorly foliated. Foliation contorted, dipping 20-90 degrees. Moderately close fractured, 4 pieces, longest piece 3.3 feet. Three joints at 30 degrees, moderately rough, coated with chlorite. Rec=100% RQD=100%