

**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
GEOTECHNICAL UNIT BORING LOG**

PROJECT NO 8.2752101		ID B-3926		COUNTY WATAUGA		GEOLOGIST L.L. ACKER							
SITE DESCRIPTION BR. 35 & 36 ON SR 1340 OVER MEAT CAMP CREEK							GND WATER 0 HR N/A						
BORING NO 36-EB1A		NORTHING 0.00		EASTING 0.00		24 HR 3.60ft							
ALIGNMENT -L2-		BORING LOCATION 32+62.000		OFFSET 8.00ft LT									
COLLAR ELEV 3534.40ft		TOTAL DEPTH 39.60ft		START DATE 6/25/03		COMPLETION DATE 06/25/03							
DRILL MACHINE CME 550			DRILL METHOD ROTARY W/O MUD			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log 36-EB1A, Page 1 of 1							
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT				SAMPLE NO	LOG MOI	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75				100
3534.40	0.60	5	5	5	1.0								
3530.00	4.60	12	17	8	1.0								ALLUVIUM: SILTY SAND AND GRAVEL
	7.10	3	2	3	1.0								SAPROLITE: RED-BROWN, MICACEOUS, SILTY SAND
	9.60	5	8	7	1.0								WEATHERED ROCK WITH HARD ROCK AND SAPROLITE SEAMS
3520.00													SAPROLITE: BROWN, MICACEOUS, SILTY SAND
3510.00	28.30	4	9	13	1.0								SS-7 M
3500.00	34.60	7	36	49	1.0								SS-8 M
3494.80	39.60	100			0.1								TERMINATED BORING ON HARD ROCK AT ELEVATION 3494.8 FEET

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PROJECT NO 8.2752101		ID B-3926		COUNTY WATAUGA		GEOLOGIST T. B. DANIEL							
SITE DESCRIPTION BR. 35 & 36 ON SR 1340 OVER MEAT CAMP CREEK							GND WATER 0 HR N/A						
BORING NO 36-EB1B		NORTHING 0.00		EASTING 0.00		24 HR 3.50ft							
ALIGNMENT -L2-		BORING LOCATION 32+51.000		OFFSET 6.00ft RT									
COLLAR ELEV 3533.80ft		TOTAL DEPTH 28.60ft		START DATE 6/26/03		COMPLETION DATE 06/26/03							
DRILL MACHINE CME 550			DRILL METHOD ROTARY W/O MUD			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH N/A			DEPTH TO ROCK 9.10ft			Log 36-EB1B, Page 1 of 1							
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT				SAMPLE NO	LOG MOI	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75				100
3533.80													
3530.00	4.80	8	50		0.7								ALLUVIUM: SAND AND GRAVEL WITH COBBLES AND BOULDERS
													SAPROLITE: BROWN, MICACEOUS, SILTY SAND
													WEATHERED ROCK: MICA SCHIST
3520.00													HARD ROCK: SLI. WEATHERED MICA SCHIST REC=72 RQD=72
													WEATHERED ROCK WITH HARD ROCK SEAMS REC=43 RQD=22
3510.00													SAPROLITE WITH WEATHERED ROCK SEAMS REC=0 RQD=0
3505.20													TERMINATED BORING IN WEATHERED ROCK AT ELEVATION 3505.2 FEET