

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 33209.1.1		ID B-3664		COUNTY HENDERSON		GEOLOGIST M.M. HAGAR							
SITE DESCRIPTION BRIDGE NO. 21 ON SR-1528 OVER MUD CREEK							GND WATER						
BORING NO B2-A		NORTHING 0.00		EASTING 0.00		0 HR N/A							
ALIGNMENT -L-		BORING LOCATION 21+59.00		OFFSET 16.00ft LT		24 HR 5.00ft							
COLLAR ELEV 2060.90ft		TOTAL DEPTH 33.40ft		START DATE 11/10/04		COMPLETION DATE 11/10/04							
DRILL MACHINE CME-45 TRACK			DRILL METHOD H.S. AUGERS			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH			DEPTH TO ROCK 25.70ft			Log B2-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
2060.90													Ground Surface
	3.30	0	1	1	1.0	2							ALLUVIUM: BROWN-GRAY FINE SANDY SILT
	8.30	0	1	1	1.0	2					SS-4	SAT	ALLUVIUM: DARK GRAY FINE SANDY SILT
2050.00	13.30	8	6	7	1.0	13							ALLUVIAL GRAVEL
	18.30	15	20	30	1.0	50						D	SAPROLITE: GRAY-WHITE-ORANGE MICACEOUS FINE SANDY SILT
2040.00	23.30	14	19	31	1.0	50							SAPROLITE: GRAY-WHITE-ORANGE SLI. MICACEOUS SILTY FINE-COARSE SAND
	28.30	60			0.1	60							HARD ROCK: MODERATELY SEVERELY WEATHERED (SPT REFUSAL)
2030.00	33.30	60			0.1	60							HARD ROCK: MODERATELY SEVERELY WEATHERED (SPT REFUSAL)
2027.50													BORING TERMINATED AT ELEV. 2027.5' IN MODERATELY SEVERELY WEATHERED HARD ROCK

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SITE DESCRIPTION BRIDGE NO. 21 ON SR-1528 OVER MUD CREEK							GND WATER						
BORING NO B2-B		NORTHING 0.00		EASTING 0.00		0 HR N/A							
ALIGNMENT -L-		BORING LOCATION 21+41.00		OFFSET 16.00ft RT		24 HR N/A							
COLLAR ELEV 2062.08ft		TOTAL DEPTH 30.35ft		START DATE 11/23/04		COMPLETION DATE 11/23/04							
DRILL MACHINE CME-45 TRACK			DRILL METHOD H.S. AUGERS			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH			DEPTH TO ROCK 25.20ft			Log B2-B, 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
2062.08													Ground Surface
	3.50	2	2	1	1.0	3							ALLUVIUM: BROWN FINE SANDY SILT
	8.50	1	0	1	1.0	1					W		
2050.00	13.50	7	4	4	1.0	8					SAT		ALLUVIAL SAND
	18.50	7	9	13	1.0	22							ALLUVIAL GRAVEL
	20.20	17	28	72	0.9	100					M		SAPROLITE: GRAY-WHITE SANDY SILT
2040.00	25.20	60			0.1	60							SAPROLITE: ORANGE-TAN-BLACK SLI. MICACEOUS SILTY FINE-COARSE SAND
	30.20	100			0.1	100							WEATHERED ROCK
2031.73													HARD ROCK: MODERATELY SEVERELY WEATHERED (SPT REFUSAL)
													BORING TERMINATED AT ELEV. 2031.7' IN MODERATELY SEVERELY WEATHERED HARD ROCK