

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

10 OF 12

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 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 EB2-A		NORTHING 0.00		EASTING 0.00		0 HR N/A							
ALIGNMENT -L-		BORING LOCATION 22+14.000		OFFSET 16.00ft LT		24 HR 6.40ft							
COLLAR ELEV 2061.19ft		TOTAL DEPTH 31.45ft		START DATE 11/09/04		COMPLETION DATE 11/09/04							
DRILL MACHINE CME-45 TRACK			DRILL METHOD H.S. AUGERS			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH			DEPTH TO ROCK 31.40ft			Log EB2-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
2061.19													Ground Surface
	3.30	1	0	1	1.0	1							ALLUVIUM: BROWN SILTY FINE-COARSE SAND W/ DETRITUS
	8.30	0	1	1	1.0	2							ALLUVIUM: GRAY-TAN SANDY SILT
2050.00	13.30	3	4	10	1.0	14				SS-1	SAT		ALLUVIUM: MOTTLED TAN-ORANGE SILTY SAND & WOOD
	18.30	3	6	10	1.0	16							SAPROLITE: GRAY-WHITE-ORANGE SANDY SILT
2040.00	23.30	15	30	70	0.9					SS-2	M		WEATHERED ROCK
	28.30	51	100		0.3								
2029.94	31.40	60			0.1								HARD ROCK: MODERATELY SEVERELY WEATHERED (SPT REFUSAL)
													BORING TERMINATED AT ELEV. 2029.7 IN MODERATELY SEVERELY WEATHERED HARD ROCK

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 EB2-B		NORTHING 0.00		EASTING 0.00		0 HR N/A							
ALIGNMENT -L-		BORING LOCATION 21+96.000		OFFSET 16.00ft RT		24 HR 9.50ft							
COLLAR ELEV 2063.02ft		TOTAL DEPTH 29.40ft		START DATE 11/09/04		COMPLETION DATE 11/09/04							
DRILL MACHINE CME-45 TRACK			DRILL METHOD H.S. AUGERS			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB2-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
2063.02													Ground Surface
	3.30	0	2	1	1.0	3							ALLUVIUM: ORANGE SILTY CLAY
	8.30	1	2	2	1.0	4							ALLUVIUM: GRAY SILTY FINE SAND
2050.00	13.30	2	2	19	1.0	21							ALLUVIAL SAND
	18.30	18	35	65	0.8								ALLUVIAL GRAVEL
	23.30	73	27		0.7								SAPROLITE: GRAY-WHITE SILTY FINE-COARSE SAND
	28.30	4	52	48	0.6								WEATHERED ROCK
													BORING TERMINATED AT ELEV. 2033.6 IN WEATHERED ROCK