

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 EB1-A		NORTHING 0.00		EASTING 0.00		0 HR N/A							
ALIGNMENT -L-		BORING LOCATION 19+98.000		OFFSET 12.00ft LT		24 HR N/A							
COLLAR ELEV 2059.57ft		TOTAL DEPTH 33.75ft		START DATE 11/17/04		COMPLETION DATE 11/17/04							
DRILL MACHINE CME-45 TRACK			DRILL METHOD H.S. AUGERS			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB1-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
2059.57													Ground Surface
	3.40	1	1	1	1.0	2							FILL: GRAY-BROWN SILTY FINE-COARSE SAND
	8.40	1	2	3	1.0	5				SS-7	SAT		ALLUVIUM: BROWN-GRAY SILTY SAND WITH DETRITUS
2050.00													ALLUVIUM: GRAY FINE-COARSE SAND
	13.40	7	10	15	1.0	25							ALLUVIAL GRAVEL
	18.40	5	18	44	1.0	62							SAPROLITE: GRAY-TAN-ORANGE SILTY FINE-COARSE SAND W/ MINOR GRAVEL-SIZED ROCK FRAGMENTS
2040.00													WEATHERED ROCK
	23.40	100			0.5	100				SS-8	M		
	28.40	45	100		0.4	100							
2030.00													
	33.40	100			0.3	100							
2025.82													
BORING TERMINATED AT ELEV. 2025.8' IN WEATHERED ROCK													

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 EB1-B		NORTHING 0.00		EASTING 0.00		0 HR N/A							
ALIGNMENT -L-		BORING LOCATION 19+76.000		OFFSET 16.00ft RT		24 HR 7.50ft							
COLLAR ELEV 2063.99ft		TOTAL DEPTH 43.70ft		START DATE 11/15/04		COMPLETION DATE 11/15/04							
DRILL MACHINE CME-45 TRACK			DRILL METHOD H.S. AUGERS			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB1-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
2063.99													Ground Surface
	3.50	1	2	2	1.0	4							FILL: GRAY-BROWN SILTY SAND
2060.00													ALLUVIUM: BROWN-GRAY SILTY SAND
	8.50	0	2	1	1.0	3							ALLUVIUM: GRAY FINE-COARSE SAND
	13.50	1	3	9	1.0	12							SAPROLITE: MOTTLED (GRAY-TAN-ORANGE) SILTY FINE-COARSE SAND W/ ROCK FRAGMENTS
2050.00													WEATHERED ROCK
	18.50	5	7	9	1.0	16							
	23.50	3	6	8	1.0	14				SS-5	D		
2040.00													
	28.50	9	16	21	1.0	37							
	33.50	28	29	38	1.0	67							
2030.00													
	38.50	27	100		0.4	100							
	43.50	100			0.2	100							
2020.29													
BORING TERMINATED AT ELEV. 2020.5' IN WEATHERED ROCK													