

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.1944601		ID B-3470		COUNTY HAYWOOD		GEOLOGIST T.B. DANIEL							
SITE DESCRIPTION BRIDGE NO. 163 ON US-276 OVER W. FORK PIGEON RIVER OVERFLOW							GND WATER						
BORING NO EB1-A		NORTHING 0.00		EASTING 0.00		0 HR N/A	24 HR 13.00ft						
ALIGNMENT -L-		BORING LOCATION 14+58.000		OFFSET 6.00ft LT									
COLLAR ELEV 2666.61ft		TOTAL DEPTH 50.30ft		START DATE 11/20/02		COMPLETION DATE 11/20/02							
DRILL MACHINE CME-550X			DRILL METHOD SPT CORE BORING			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
2666.61													Ground Surface
	4.60	5	5	6	1.0					11		SS-18	EMBANKMENT: RED-BROWN SANDY SILTY CLAY WITH SOME GRAVEL
	9.60	3	3	3	1.0					6			
	14.60	8	8	10	1.0					18			ALLUVIUM: DARK GREY SLIGHTLY MICACEOUS SILTY SAND
	19.60	2	1	1	1.0					2			ALLUVIAL FINE TO COARSE SAND & GRAVEL
	24.60	2	3	4	1.0					7			SAPROLITE: BROWN-GREY-BLACK MICACEOUS SILTY SAND
	29.60	6	9	12	1.0					21			
	34.60	38	62		0.9					100			WEATHERED ROCK LEDGE
	39.60	21	31	34	1.0					65			SAPROLITE: WHITE-GREY-TAN SILTY SAND
	44.60	50			0.3					50			WEATHERED ROCK
	49.60	20	80		0.7					100			
													BORING TERMINATED AT ELEV. 2616.31 IN WEATHERED ROCK

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SITE DESCRIPTION BRIDGE NO. 163 ON US-276 OVER W. FORK PIGEON RIVER OVERFLOW							GND WATER						
BORING NO EB1-B		NORTHING 0.00		EASTING 0.00		0 HR N/A	24 HR 13.20ft						
ALIGNMENT -L-		BORING LOCATION 14+58.000		OFFSET 16.00ft RT									
COLLAR ELEV 2666.11ft		TOTAL DEPTH 54.60ft		START DATE 10/31/02		COMPLETION DATE 10/31/02							
DRILL MACHINE CME-550X			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB1-B, Page 1 of 2							
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75				100
2666.11													Ground Surface
	4.40	3	13	24	1.0					37		SS-7	EMBANKMENT: BROWN-GREY SILTY SAND WITH SOME COBBLES
	9.40	5	7	4	1.0					11		SS-8	EMBANKMENT: BROWN-RED CLAYEY SAND
	14.40	8	14	8	1.0					22		SS-9	ALLUVIAL FINE-VERY COARSE SAND & GRAVEL
	19.40	1	1	2	1.0					3		SS-10	SAPROLITE: BROWN-GREY-BLACK MICACEOUS SILTY SAND
	24.40	2	4	6	1.0					10			
	29.40	10	12	15	1.0					27			
	34.40	9	16	27	1.0					43		SS-11	
	39.40	21	41	47	1.0					88			
	44.40	29	84		1.0					100			WEATHERED ROCK
	49.40	50			0.2					50			
	54.40	50			0.2					50			
													Continued on the next page