

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 33208.1.1		ID B-3663		COUNTY HENDERSON		GEOLOGIST T.B. DANIEL						
SITE DESCRIPTION BRIDGE NO. 320 ON SR-1212 OVER SHAW CREEK							GND WATER					
BORING NO EB1-A		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT -L-		BORING LOCATION 12+75.000		OFFSET 15.00ft LT		24 HR 4.50ft						
COLLAR ELEV 2088.30ft		TOTAL DEPTH 16.70ft		START DATE 4/07/04		COMPLETION DATE 04/07/04						
DRILL MACHINE CME-550			DRILL METHOD H.S. AUGERS			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK 16.70ft			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			
2088.30												Ground Surface
	4.80	0	0	0	1.0	0						EMBANKMENT: SAND & GRAVEL
	9.80	2	2	4	1.0	6						ALLUVIUM: DARK GRAY-BROWN SLIGHTLY ORGANIC SANDY SILT
	14.80	14	20	18	1.0	38				SS-6		ALLUVIAL SAND & GRAVEL
2071.60												SAPROLITE: GRAY-TAN SLIGHTLY MICACEOUS SANDY SILT
BORING TERMINATED AT ELEV. 2071.6 ON HARD ROCK (GNEISS)												

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SITE DESCRIPTION BRIDGE NO. 320 ON SR-1212 OVER SHAW CREEK							GND WATER					
BORING NO EB2-B		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT -L-		BORING LOCATION 13+13.000		OFFSET 15.00ft RT		24 HR 4.20ft						
COLLAR ELEV 2088.60ft		TOTAL DEPTH 34.40ft		START DATE 4/15/04		COMPLETION DATE 04/15/04						
DRILL MACHINE CME-550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK 20.90ft			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			
2088.60												Ground Surface
	4.80	0	0	0	1.0	0						EMBANKMENT: SAND & GRAVEL
	9.80	6	8	10	1.0	18						ALLUVIUM: DARK GRAY-BROWN SLIGHTLY ORGANIC SANDY SILT
	14.80	10	21	30	1.0	51						ALLUVIAL SAND & GRAVEL
	19.80	28	72		0.7	100						SAPROLITE: GRAY-TAN SLIGHTLY MICACEOUS SANDY SILT
2070.00												WEATHERED ROCK
										CORE 1		VERY SEVERE-SLIGHTLY WEATHERED AUGEN GNEISS REC=46% RQD=26%
										CORE 2		VERY SEVERELY WEATHERED AUGEN GNEISS REC=0% RQD=0%
										CORE 3		VERY SEVERELY WEATHERED AUGEN GNEISS REC=0% RQD=0%
2054.20												BORING TERMINATED AT ELEV. 2054.2' IN HARD ROCK (GNEISS)