

# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

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PROJECT NO. 8.2261201		ID. B-3682		COUNTY ONSLOW		GEOLOGIST K. B. MILLER					
S. DESCRIPTION BRIDGE NO. 3 ON SR 1423 OVER LITTLE NORTHEAST CREEK							GROUND WATER				
BORING NO. EBI-B	BORING LOCATION 26+85		OFFSET 12.0' RT.	ALIGNMENT -L-		0 HR. N.M.					
COLLAR ELEVATION 13.1'		NORTHING		EASTING		24 HR. 2.7'					
TOTAL DEPTH 58.6'	DRILL MACHINE CME-45B		DRILL METHOD ROTARY W/MUD		HAMMER TYPE AUTOMATIC						
START DATE 9/19/02		COMPLETION DATE 9/20/02		SURFACE WATER DEPTH N/A							
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT	PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION	
		0.5' 0.5' 0.5'		0	25	50	75	100			
13.1											
10.0	3.8	2	4	3	1				X 7	SS-7	TAN-ORANGE SILTY FINE TO COARSE SAND, MOI. TO SAT. (ALLUVIUM)
5.0	8.5	1	2	1	1				X 3		
0.0	13.5	4	3	3	1				X 6	SS-8	
-5.0	18.5	2	3	4	1				X 7		GRAY FINE TO COARSE SAND WITH TRACE OF SHELL FRAGMENTS, SAT. (RIVER BEND FORMATION)
-10.0	23.5	11	16	19	1				X 35	SS-9	
-15.0	28.5	5	6	7	1				X 13	SS-10	
-20.0	33.5	44	49	51	0.8				100+ X	SS-11	GRAY MOLDIC LIMESTONE, SAT.
-25.0	38.5	28	32	27	1				X 59	SS-12	
-30.0	43.5	15	23	38	1				X 61		
-35.0	48.5	100			0.3				100+ X		GRAY FINE TO COARSE SAND, SAT.
-40.0	53.5	31	53	47	0.7				100+ X	SS-13	
-45.0	58.5	100			0.1				100+ X		
BORING TERMINATED AT ELEV. -45.5 FEET IN VERY DENSE FINE SAND											

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SITE DESCRIPTION BRIDGE NO. 3 ON SR 1423 OVER LITTLE NORTHEAST CREEK							GROUND WATER				
BORING NO. BI-A	BORING LOCATION 27+14		OFFSET 18.0' LT.	ALIGNMENT -L-		0 HR. N.M.					
COLLAR ELEVATION 10.0'		NORTHING		EASTING		24 HR. ARTESIAN					
TOTAL DEPTH 59.0	DRILL MACHINE CME-45B		DRILL METHOD ROTARY W/MUD		HAMMER TYPE AUTOMATIC						
START DATE 9/12/02		COMPLETION DATE 9/18/02		SURFACE WATER DEPTH N/A							
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT	PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION	
		0.5' 0.5' 0.5'		0	25	50	75	100			
10.0	0.0	WOH	1	1	1				X 2		
5.0	3.8	3	4	5	1				X 9	SS-1	BROWN TO GRAY FINE TO COARSE SAND, SAT. (ALLUVIUM)
0.0	8.0	2	3	5	1				X 8	SS-2	
-5.0	13.0	4	7	6	1				X 13	SS-3	TAN-ORANGE TO GRAY SILTY FINE TO COARSE SAND WITH TRACE OF SHELL FRAGMENTS AND GRAVEL, SAT. (RIVER BEND FORMATION)
-10.0	18.0	8	13	18	1				X 31		
-15.0	23.0	9	13	14	1				X 27		
-20.0	28.0	13	15	60	0.6				100+ X	SS-4	
-25.0											REC 43% GRAY WEATHERED MOLDIC LIMESTONE AND SANDSTONE, SAT.
-30.0	39.0	13	19	23	1				X 42	SS-5	REC 8%
-35.0	42.7	14	40	60	0.7				100+ X	SS-6	
-40.0	47.7	25	75	25	0.9				100+ X		GRAY FINE SAND, SAT.
-45.0	52.7	18	45	55	0.8				100+ X		
-50.0	57.7	25	62	38	0.8				100+ X		
BORING TERMINATED AT ELEV. -49.0 FEET IN VERY DENSE FINE TO COARSE SAND											