

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
GEOTECHNICAL UNIT BORING LOG  
SHEET 1 OF 1

PROJECT NO.	8.2251101	ID.	B-3496	COUNTY	NEW HANOVER	GEOLOGIST	K. B. MILLER					
SITE DESCRIPTION							GROUND WATER					
BRIDGE NO. 10 ON SR 1411 OVER BRADLEY CREEK							0 HR. N.M.					
BORING NO.	B2-A	BORING LOCATION	17+67	OFFSET	18.0' LT.	ALIGNMENT	-L-					
COLLAR ELEVATION 7.9'							24 HR. 6.0'					
TOTAL DEPTH 50.1'		DRILL MACHINE CME-45B		DRILL METHOD ROTARY W/MUD		HAMMER TYPE AUTOMATIC						
START DATE 1/14/03		COMPLETION DATE 1/14/03		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			
7.9	0.0											
5.0	5.4	WOH	WOH	2	1	X 2						BROWN FINE TO COARSE SAND, MOI. TO SAT. (FILL)
0.0	7.9	1	2	2	1	X 4						GRAY SLI. ORGANIC CLAYEY SANDY SILT, WET (ALLUVIUM)
												GRAY BROWN FINE TO COARSE SAND, SAT. (COASTAL PLAIN)
-5.0	12.9	6	6	7	1	X 13						
-10.0	17.9	2	5	10	1	X 15						
-15.0	22.9	5	7	8	1	X 15						SS-17
0	27.9	6	9	11	1	X 20						TAN GRAY AND WHITE FINE TO COARSE SAND, SAT.
-25.0	32.9	5	7	9	1	X 16						
-30.0	37.9	5	6	6	1	X 12						
-35.0	42.9	3	3	3	1	X 6						SS-18
-40.0	47.9	3	3	8	1	X 11						
	50.1	50			0.0				100+X			GRAY F. SDY. LIMESTONE, SAT.
-45.0												SPT REFUSAL AT ELEV. -42.2 FEET IN FINE SANDY LIMESTONE

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SITE DESCRIPTION							GROUND WATER					
BRIDGE NO. 10 ON SR 1411 OVER BRADLEY CREEK							0 HR. N.M.					
BORING NO.	B2-B	BORING LOCATION	17+67	OFFSET	15.0' RT.	ALIGNMENT	-L-					
COLLAR ELEVATION 8.3'							24 HR. 7.0'					
TOTAL DEPTH 68.1'		DRILL MACHINE CME-45B		DRILL METHOD ROTARY W/MUD		HAMMER TYPE AUTOMATIC						
START DATE 1/29/03		COMPLETION DATE 2/5/03		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			
8.3	0.0											
5.0	2.5	1	2	2	1	X 4						TAN FINE TO COARSE SAND, MOI. (FILL)
	4.0	4	4	3	1	X 7						
0.0	8.2	WOH	WOH	WOH	1	X 0						GRAY CLAYEY SANDY SILT, MOI. TO WET (ALLUVIUM)
-5.0	13.2	6	9	14	1	X 23						
-10.0	18.2	5	6	6	1	X 12						
-15.0	23.2	5	7	8	1	X 15						
-20.0	28.2	5	6	8	1	X 14						TAN GRAY AND WHITE FINE TO COARSE SAND, SAT. (COASTAL PLAIN)
-25.0	33.0	4	3	4	1	X 7						
-30.0	38.0	3	3	4	1	X 7						
-35.0	43.0	2	4	4	1	X 8						
-40.0	48.0	3	7	6	1	X 13						
-45.0												BUFF FINE SANDY LIMESTONE, SAT. (CASTLE HAYNE FORMATION) REC. 30%
-50.0												LT. GRAY CALCITE CEMENTED PHOSPHATE PEBBLE CONGLOMERATE, SAT. REC. 36%
	60.9	9	50		0.2				100+X			GRAY GREEN FINE SAND, SAT.
-55.0												GRAY GREEN FINE SANDY LIMESTONE, SAT. REC. 18%
-60.0	66.6	7	8	13	1	X 21						GRAY GREEN FINE SAND, SAT.
-65.0												BORING TERMINATED AT ELEV. -59.8 FEET IN MEDIUM DENSE SILTY FINE SAND