NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 38465.1.2	**TIP** B-4681	**COUNTY** WILSON	**GEOLOGIST** Gemperline, J. D.
SITE DESCRIPTION BRIDGE NO. 97 ON -L- (SR 1531) OVER LITTLE CONTENTNEA CREEK			**GROUND WTR (ft)**
BORING NO. EB2-B	**STATION** 16+40	**OFFSET** 15 ft RT	**ALIGNMENT** -L- — **0 HR.** N/A
COLLAR ELEV. 83.7 ft	**TOTAL DEPTH** 79.0 ft	**NORTHING** 695,103	**EASTING** 2,385,635 — **24 HR.** ARTESIAN
DRILL RIG/HAMMER EFF./DATE GFO1042 CME-550 87% 09/03/2009		**DRILL METHOD** Mud Rotary	**HAMMER TYPE** Automatic
DRILLER Smith, R. E.	**START DATE** 02/24/14	**COMP. DATE** 02/24/14	**SURFACE WATER DEPTH** N/A

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 25 50 75 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION (ELEV. ft / DEPTH ft)
85										
	83.7	0.0								83.7 — GROUND SURFACE — 0.0
			WOH	1	2	3				**ROADWAY EMBANKMENT** ORANGE BROWN SAND, MOIST TO WET
80	79.7	4.0								
			4	1	0	1				76.7 — 7.0
75	74.7	9.0								**ALLUVIAL** BROWN MODERATELY ORGANIC SAND, SAT.
			5	5	5	10				71.7 — 12.0
70	71.2	12.5								**ALLUVIAL** GRAY SILTY CLAY, WET
			WOH	WOH	5	5				70.2 — 13.5
										ALLUVIAL BROWN MODERATELY ORGANIC SAND, SAT.
65	66.2	17.5								66.7 — 17.0
			1	1	1	2				**COASTAL PLAIN** GRAY GREEN SILTY CLAY WITH SHELL FRAGMENTS, WET (YORKTOWN FORMATION)
60	61.2	22.5								
			3	5	8	13				
55	56.2	27.5								
			1	0	1	1				
50	51.2	32.5								
			1	2	1	3				
45	46.2	37.5								
			5	7	11	18				
40	41.2	42.5								
			7	14	16	30				
35	36.2	47.5								37.7 — 46.0
			7	16	17	33				**COASTAL PLAIN** LIGHT GRAY SAND, SAT. (CAPE FEAR FORMATION)
30	31.2	52.5								
			8	9	10	19				
25	26.2	57.5								
			8	30	35	65				
20	21.2	62.5								22.7 — 61.0
			21	19	24	43				
15	16.2	67.5								17.7 — 66.0
			7	6	6	12				**COASTAL PLAIN** GREEN GRAY SILTY CLAY, WET (CAPE FEAR FORMATION)
10	11.2	72.5								
			7	8	10	18				
5	6.2	77.5								
			9	12	15	27				

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5						Match Line				
										4.7 — 79.0 Boring Terminated at Elevation 4.7 ft IN VERY STIFF SILTY CLAY
										ARTESIAN HEAD ELEVATION = 92.7'