



PROJECT NO. 34424.1.1	ID. R-2404A	COUNTY Bertie	GEOLOGIST M. Lear
SITE DESCRIPTION Dual Structures on US 17 (Windsor Bypass) over Cashie River (MACTEC Proj. No. 6468-04-0808)			GROUND WATER (ft)
BORING NO. MB-9			0 HR. Water
COLLAR ELEV. 0.2 ft	NORTHING 830,412	EASTING 2,607,565	24 HR. Boring
TOTAL DEPTH 100.8 ft	DRILL MACHINE CME 45 on M.Buggy	DRILL METHOD Mud Rotary	HAMMER TYPE 140-lb Manual

DATE STARTED 10/26/04		COMPLETED 10/27/04		SURFACE WATER DEPTH 0.40									
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100
0.2	0.0	WOH	WOH	WOH	Mud Line								
-4.3	4.5	4	5	6	0	20	40	60	80	100	0	W	Alluvium: No Recovery, MUCK
-9.3	9.5	3	3	4	0	20	40	60	80	100	11	W	Alluvium: Gray, f. sandy, clayey SILT (A-4) with trace organics
-14.4	14.6	5	10	6	0	20	40	60	80	100	7	W	Alluvium: Tan-gray, silty, f. SAND (A-3) with trace organics
-19.1	19.3	2	3	3	0	20	40	60	80	100	16	W	Alluvium: White-gray, cse. sandy, GRAVEL (A-1-a) with trace organics
-24.1	24.3	2	2	3	0	20	40	60	80	100	6	W	Alluvium: Gray-brown, micaceous, clayey, SILT (A-4) with trace organics
-29.1	29.3	2	2	3	0	20	40	60	80	100	5	W	Alluvium: Gray, silty CLAY (A-7-6) with trace to little organics
-34.1	34.3	3	3	6	0	20	40	60	80	100	5	W	
-39.1	39.3	3	4	12	0	20	40	60	80	100	9	W	
-44.1	44.3	3	3	14	0	20	40	60	80	100	16	W	CPU: Light gray-green, silty, f. SAND (A-3) and thinly bedded, f. sandy, silty CLAY (A-6) [Clay Sampled]
-49.1	49.3	10	16	27	0	20	40	60	80	100	17	W	CPU: Light gray-green, f. sandy, silty CLAY (A-6)
-54.1	54.3	13	15	23	0	20	40	60	80	100	43	W	CPU: Gray, silty, f. to cse. SAND (A-3) with trace gravel
-59.1	59.3	2	2	3	0	20	40	60	80	100	38	W	
-64.1	64.3	5	9	12	0	20	40	60	80	100	5	Sat.	Yorktown Fm: Dark green, clayey, silty, f. SAND (A-2-4) with trace to little shell frags
-69.1	69.3	7	9	68	0	20	40	60	80	100	21	M	Yorktown Fm: Dark green, glauconitic, f. sandy, clayey SILT (A-4) with trace shell frags
-74.1	74.3				0	20	40	60	80	100	77	M	Yorktown Fm: Dark green and white, glauconitic, silty, clayey, f. to cse. SAND (A-2-6) with trace to little, v. thinly bedded, friable to indurated, calcite cemented sandstone and trace shell frags

NCDOT BORE SINGLE 0808.GPJ NC DOT.GDT 10/28/04



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ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT	SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft					
-74.6									
		Continued from previous page							
-79.1	79.3	10	21	28			M		
		14	17	19			W	Yorktown Fm: Dark green and gray, glauconitic, silty, f. to cse. SAND (A-2-4) with trace to little shell frags	
-84.1	84.3	12	13	13			W		
-89.1	89.3	9	12	14			W		
-94.1	94.3	8	7	10			W	Yorktown Fm: Dark green to brown, glauconitic, clayey, f. sandy SILT (A-4) with v. thinly to thinly bedded, friable, calcite cemented sandstone layers and trace shell frags	
-99.1	99.3	8	6	33			M		
								Boring terminated at 100.8 ft (Elev. -100.6 ft) in Yorktown Fm: Hard, Glauconitic, clayey, f. sandy, SILT (A-4) with v. thinly to thinly bedded friable calcite cemented sandstone layers	
								Bits Used: 0.3' Roller Cone	
								Drilling Fluid Properties: 8.8 lbs/gal	