



PROJECT NO. 36722.1.1		ID. F-4700		COUNTY Currituck		GEOLOGIST M. Lear						
SITE DESCRIPTION Currituck and Knotts Island Ferry Basins (MACTEC Proj. No. 6468-03-0470)							GROUND WATER (ft)					
BORING NO. B-2		BORING LOCATION		OFFSET	ALIGNMENT	0 HR. Water						
COLLAR ELEV. -4.7 ft		NORTHING 995,681 US ft		EASTING 2,878,349 US ft		24 HR. Boring						
TOTAL DEPTH 80.5 ft		DRILL MACHINE CME-45, Barge		DRILL METHOD Mud Rotary		HAMMER TYPE 140 lb Manual						
DATE STARTED 12/10/03		COMPLETED 12/10/03		SURFACE WATER DEPTH 4.7 ft								
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			
-4.7	0.0	1	2	2	Mudline							
-8.8	4.1	1	1	1	Alluvium: Dark gray, clayey, silty, f. SAND (A-2-4) w/ trace organics					Sat		
-13.7	9.0	6	4	5	CPU: Light gray and gray, silty, f. to cse. SAND (A-3)					Sat		
-18.7	14.0	4	2	4	CPU: Dark gray, f. sandy, SILT (A-4) w/ little shell fragments					Sat		
-23.7	19.0	3	7	14	CPU: Dark greenish gray, silty, f. to cse. SAND (A-2-4) w/ trace shell fragments					Sat		
-28.7	24.0	4	3	3	Yorktown Fm: Dark green to gray-green, f. sandy, silty CLAY (A-7-6) w/ trace shell fragments					W		
-33.7	29.0	1	1	2						W		
-38.7	34.0	3	3	3						W		
-43.7	39.0	2	3	4						W		
-48.7	44.0	2	2	3						W		
-53.7	49.0	2	2	3						W		
-58.7	54.0	2	2	3						W		
-63.7	59.0	2	2	3						W		
-68.7	64.0	2	3	4						W		
-73.7	69.0	5	6	9						W		
-78.7	74.0									W		

NCDOT BORE LOG # KNOTTS.GPJ NC DOT.GDT 1/16/04



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DATE STARTED 12/10/03		COMPLETED 12/10/03		SURFACE WATER DEPTH 4.7 ft								
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			
-79.5					Continued from previous page							
-83.7	79.0	8	7	8	Yorktown Fm: Gray-green, silty, f. SAND (A-2-4)					W		
		15	18	28	Boring terminated at 80.5ft (Elev.-85.2ft) in Yorktown Fm: Dense, silty f. SAND (A-2-4)					W		
					Bits Used: 2.5" finger bit							
					Drilling Fluid Properties: 9.2 lbs/gal							

NCDOT BORE SINGLE KNOTTS.GPJ NC DOT.GDT 1/16/04