

PROJECT NO. 36722.1.1		ID. F-4700		COUNTY Currituck		GEOLOGIST B. Parks								
SITE DESCRIPTION Currituck and Knotts Island Ferry Basins (MACTEC Proj. No. 6468-03-0470)							GROUND WATER (ft)							
BORING NO. B-1		BORING LOCATION		OFFSET		ALIGNMENT		0 HR. Water						
COLLAR ELEV. -1.2 ft		NORTHING 995,678 US ft		EASTING 2,878,315 US ft				24 HR. Boring						
TOTAL DEPTH 88.3 ft		DRILL MACHINE CME-45, Barge		DRILL METHOD Mud Rotary		HAMMER TYPE 140 lb Manual								
DATE STARTED 12/3/03		COMPLETED 12/3/03		SURFACE WATER DEPTH 0.8 ft										
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION		
		0.5R	0.5R	0.5R	0	20	40	60	80				100	
-1.2	0.0	2	3	5	Mudline							-1.2	0.0	Alluvium: Gray to dark gray, silty, f. to cse. SAND (A-3)
-4.5	3.3	2	1	1						SS-1	Sat	-8.7	5.5	Alluvium: Dark gray to gray, silty, f. SAND (A-2-4) w/ trace organic debris and quartz gravel
-8.0	6.8	4	2	1						SS-2	Sat	-11.7	10.5	CPU: Gray, f. SAND (A-3) w/ trace well rounded gravel
-13.0	11.8	5	6	9						SS-3	Sat	-16.7	15.5	CPU: Dark gray to black, micaceous, silty, f. SAND (A-2-4)
-18.0	16.8	3	2	1						SS-4	Sat	-19.0	17.8	CPU: Gray to black, silty CLAY (A-7-6)
-23.0	21.8	21	30	35						SS-5	Sat	-21.7	20.5	CPU: Dark gray to gray, silty, f. SAND (A-3) w/ trace shell fragments
-28.0	26.8	6	5	4						SS-6	Sat	-26.7	25.5	CPU: Dark gray to gray, silty, f. to cse. SAND (A-2-4) w/ trace shell fragments
-33.0	31.8	1	1	2						SS-7	77.6%	-31.7	30.5	Yorktown Fm: Dark grayish green, f. sandy, silty CLAY (A-7-6) w/ trace shell fragments
-38.0	36.8	2	1	2						M		-41.2	40.0	Yorktown Fm: Grayish green, f. sandy, clayey SILT (A-4) w/ trace shell fragments
-43.0	41.8	1	2	2						SS-8	72.5%	-51.2	50.0	Yorktown Fm: Dark grayish green to gray, f. sandy, silty CLAY (A-7-6) w/ trace shell fragments
-48.0	46.8	2	4	4						SS-9	W			
-53.0	51.8	2	2	3										
-58.0	56.8	2	2	3						M				
-63.0	61.8	2	1	2						M				
-68.0	66.8	2	3	3						SS-10	57.9%	-71.7	70.5	Yorktown Fm: Grayish green, f. sandy, silty CLAY (A-6) w/ trace shell fragments
-73.0	71.8	3	11	20						SS-11	W			
												-76.2	75.0	

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DATE STARTED 12/3/03		COMPLETED 12/3/03		SURFACE WATER DEPTH 0.8 ft								
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION
		0.5R	0.5R	0.5R	0	20	40	60	80			
-76.0	76.8	7	4	5	Continued from previous page							
-83.0	81.8	35	45	33						SS-12	W	Yorktown Fm: Grayish green and dark gray, clayey, silty, f. to cse. SAND (A-2-4) w/ trace shell fragments
-88.0	86.8	4	3	4						SS-13	45.7%	Yorktown Fm: Greenish gray, silty, f. sandy, CLAY (A-7-6) w/ trace shell fragments
												Boring terminated at 88.3ft (Elev.-89.5ft) in Yorktown Fm: Medium stiff, silty, f. sandy CLAY (A-7-6) w/ trace shell fragments
												Bits Used: 2.5" finger bit
												Drilling Fluid Properties: 8.9 lbs/gal

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