



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-4		BORING LOCATION		OFFSET		ALIGNMENT		0 HR. Water					
COLLAR ELEV. -1.2 ft		NORTHING 1,008,892 US ft		EASTING 2,903,447 US ft				24 HR. Boring					
TOTAL DEPTH 47.0 ft		DRILL MACHINE CME-45, Barge		DRILL METHOD Mud Rotary		HAMMER TYPE 140 lb Manual							
DATE STARTED 12/30/03		COMPLETED 1/6/04		SURFACE WATER DEPTH 2.1 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				100
-1.2	0.0	1	2	2	Mudline							-1.2	Alluvium: Gray, f. to cse. SAND (A-3)
-7.0	5.8	1	1	1								-5.2	Alluvium: Gray, clayey, silty, f. SAND (A-2-4)
-11.7	10.5	7	7	6								-9.2	CPU: Tan, f. to cse. SAND (A-3) w/ trace gravel
-16.7	15.5	8	7	7									
-21.7	20.5	8	9	9									
-26.8	25.6	6	7	7									
-31.7	30.5	7	16	10								-29.2	CPU: Gray, f. sandy, SILT (A-4)
-36.7	35.5	14	14	15									
-41.7	40.5	9	9	9								-40.2	CPU: Gray, silty, f. to cse. SAND (A-2-4) w/ trace shell fragments
-46.7	45.5	8	14	18									
												-48.2	Boring terminated at 47.0ft (Elev.-48.2ft) in CPU: Dense, silty, f. to cse. SAND (A-2-4) w/ trace shell fragments
													Bits Used: 2.5" finger bit
													Drilling Fluid Properties: 8.9 lbs/gal

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



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-5		BORING LOCATION		OFFSET		ALIGNMENT		0 HR. Water					
COLLAR ELEV. -1.4 ft		NORTHING 1,008,937 US ft		EASTING 2,903,410 US ft				24 HR. Boring					
TOTAL DEPTH 47.9 ft		DRILL MACHINE CME-45, Barge		DRILL METHOD Mud Rotary		HAMMER TYPE 140 lb Manual							
DATE STARTED 1/6/04		COMPLETED 1/8/04		SURFACE WATER DEPTH 1.3 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				100
-1.4	0.0	1	1	1	Mudline							-1.4	Alluvium: Gray and tan, silty, f. SAND (A-2-4) w/ trace organic debris
-7.9	6.5	WOH	WOH	WOH								-6.4	Alluvium: Dark gray to black, f. sandy, silty CLAY (A-7-6) w/ trace organics
-12.8	11.4	6	6	6								-10.4	CPU: Tan, silty, f. to cse. SAND (A-3) w/ trace gravel
-17.8	16.4	6	5	5									
-22.8	21.4	7	8	7									
-27.8	26.4	6	8	10									
-32.8	31.4	22	24	23								-30.4	CPU: Grayish tan and gray, f. sandy, SILT (A-4)
-37.8	36.4	17	20	21									
-42.8	41.4	7	8	10								-41.4	CPU: Gray, silty, f. SAND (A-2-4) w/ trace shell fragments
-47.8	46.4	21	18	14									
												-49.3	Boring terminated at 47.9ft (Elev.-49.3ft) in CPU: Dense, silty, f. SAND (A-2-4) w/ trace shell fragments
													Bits Used: 2.5" finger bit
													Drilling Fluid Properties: 8.9 lbs/gal

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