N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

MACTEC

SHEET 1 OF 1

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. EB-1	**BORING LOCATION**	**OFFSET**	**ALIGNMENT** — **0 HR.** 5.4
COLLAR ELEV. 4.9 ft	**NORTHING** 995,711 **US ft**	**EASTING** 2,878,264 **US ft**	**24 HR.** 4.5
TOTAL DEPTH 58.8 ft	**DRILL MACHINE** CME-45, Trailer	**DRILL METHOD** Mud Rotary	**HAMMER TYPE** 140 lb Manual
DATE STARTED 11/18/03	**COMPLETED** 11/19/03	**SURFACE WATER DEPTH** N/A	

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
4.9					Ground Surface				4.9 / 0.0
4.9 / 2.6	0.0 / 2.3	4	8	9	17		D		Artificial Fill: Tan to brown, silty, f. to cse. SAND (A-2-4) w/ trace asphalt fragments and concrete fragments
-2.4	7.3	3	2	3	5		M		-0.1 / 5.0
-7.4	12.3	4	5	5	10	SS-14	Sat.		Alluvium: Dark gray, micaceous, silty, f. to cse. SAND (A-2-4) w/ trace organic debris
-12.4	17.3	7	11	8	19	SS-15	Sat.		-6.1 / 11.0
-17.4	22.3	12	15	15	30	SS-16	Sat.		CPU: Gray and yellowish light green, silty, f. SAND (A-3)
-22.4	27.3	7	5	2	7		W		-11.1 / 16.0
-27.4	32.3	9	6	10	16	SS-17	W		CPU: Gray and brown, silty, f. to cse. SAND (A-1-b)
-32.4	37.3	5	4	3	7		W		-16.6 / 21.5
-37.4	42.3	1	2	2	4	SS-18	81.6%		CPU: Gray, micaceous, f. sandy SILT (A-4)
-42.4	47.3	2	2	2	4		W		-20.1 / 25.0
-47.4	52.3	2	2	3	5		W		CPU: Gray, silty, f. to cse. SAND (A-2-4) w/ trace to little shell fragments
-52.4	57.3	2	3	4	7		W		-31.1 / 36.0
		2	2	3	5	SS-19	72.9%		Yorktown Fm: Dark green, f. sandy, silty CLAY (A-7-6) w/ trace shell fragments
									-50.1 / 55.0
									Yorktown Fm: Dark green, f. sandy, clayey SILT (A-5)
									-53.9 / 58.8
									Boring terminated at 58.8ft (Elev:-53.9ft) in Yorktown Fm: Medium stiff, f. sandy, clayey SILT (A-5)
									Bits Used: 2.5" finger bit
									Drilling Fluid Properties: 8.8 lbs/gal

NCDOT BORE SINGLE KNOTTS.GPJ NC_DOT.GDT 1/16/04