

DRILLING LOG		Hole No. CB-MC99-9				
OVERN SOUTH ATLANTIC		INSTALLATION JACKSONVILLE DISTRICT				
1. PROJECT MARTIN COUNTY		10. SIZE AND TYPE OF BIT 4" dia. Vibracore				
2. LOCATION (Coordinates of Borehole) X 774942 Y 1047724		11. DATUM FOR ELEVATION SHOWN ON WELL MLLW				
3. DRILLING AGENCY WILMINGTON DISTRICT		12. MANUFACTURER'S DESIGNATION OF DRILL VIBRA-CORE (SNELL)				
4. HOLE NO. (as shown on drawing 1718 and 1718a) CB-MC99-9		13. TOTAL NO. OF OVER- BURDEN SAMPLES TAKEN 2				
5. NAME OF DRILLER JERRY FULCHER CRANE OPERATOR		14. TOTAL NUMBER CORE BOXES N/A				
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEG. FROM VERT.		15. ELEVATION GROUND WATER N/A				
7. THICKNESS OF OVERBURDEN N/A		16. DATE HOLE STARTED 08/25/99 COMPLETED 08/25/99				
8. DEPTH DRILLED INTO ROCK 0.0'		17. ELEVATION TOP OF HOLE = 33.3 MLLW				
9. TOTAL DEPTH OF HOLE 16.0'		18. TOTAL CORE RECOVERY FOR BORING N/A				
		19. SIGNATURE OF INSPECTOR Bob Keistler, PE				
ELEVATION MLLW	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	X CORE RECON- ERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
-33.3	0		SAND - poorly graded SILTY, FINE TO medium GRAY; WITH SHELL FRAGMENTS (SP-SM)		0.3'	Time Begin Vibracoring: 14:00 hrs. Soils field classified by Larry Benjamin, Civil Engineer Technician
	2				0.7'	
	4				4.7'	
	5.7		5.7'		2	VIBRACORE BORING From 0.0' to 16.0' Ran: 16.0' Rec: 5.7'
-39.0	5.7		ASSUMED NOT RECOVERED		5.2'	
	8					
	10					
	12					
	14					
-49.3	16		BOTTOM OF HOLE AT 16.0'			
			SOILS ARE FIELD VISUALLY CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM			
<b>PRELIMINARY</b>						

# Grain Size Analysis - Mechanical

Project	USACE- Jacksonville District
Laboratory Name	Dames & Moore - Atlanta
Visual Description of Soil	Poorly Graded Sand
Reaction to HCL	Strong
Tested By:	MA

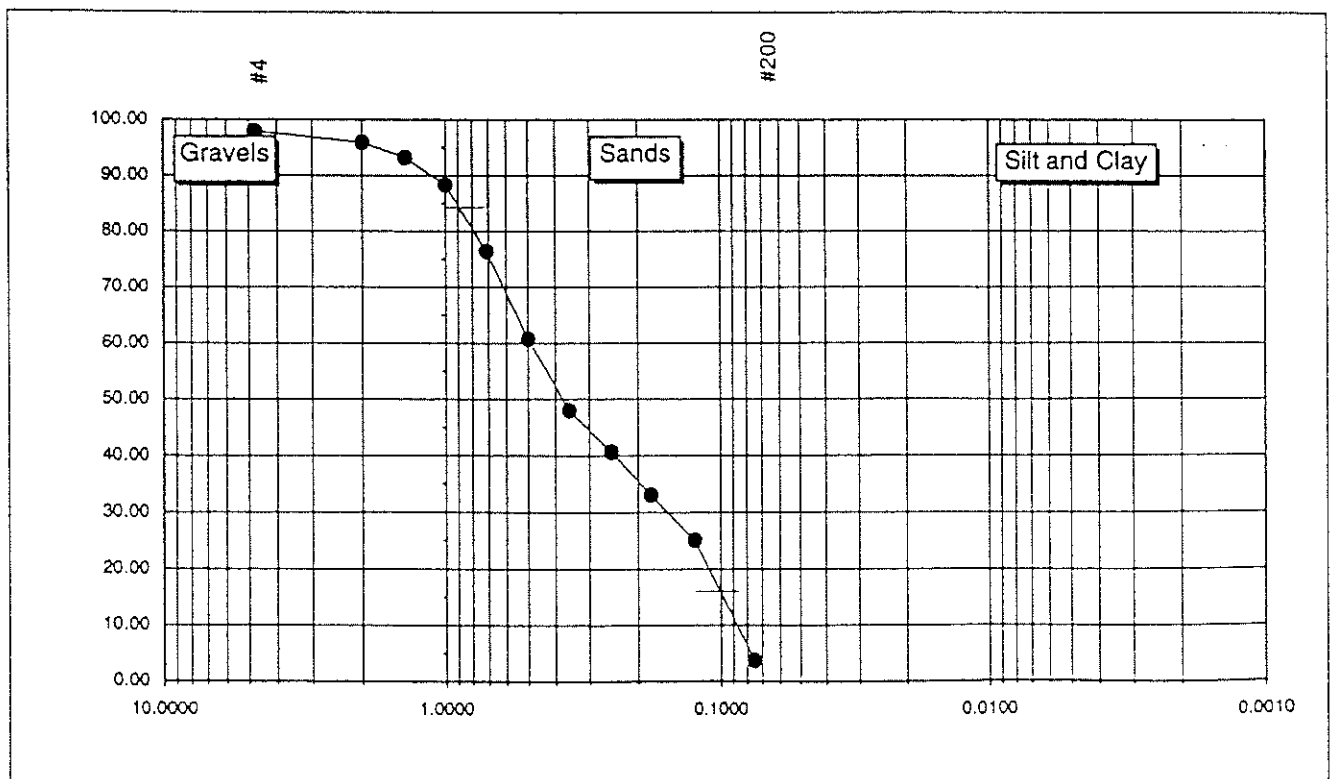
Location	Martin County
Boring No.	CBMC99-9
Sample No.	1
Depth of Sample (ft.):	33.5 - 34.0
Date of Testing:	17-Nov-99
Est. Percent Shell:	25%

Weight of Soil and Dish:	358.67
Dry Weight Soil and Dish:	307.20
Weight Dish:	85.66
Total Weight:	221.54
Weight Soil & Dish after Washing:	301.39
Weight of Oven Dry after Washing	215.73

10% Passing - D10	0.090
30% Passing - D30	0.170
60% Passing - D60	0.500
Coef. Of Uniformity - Cu	5.56
Coef. Of Curvature - Cc	0.64
Classification:	SP

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer Passing
#4	4.7500	4.55	4.55	2.05	97.95
#10	2.0000	4.56	9.11	4.11	95.89
#14	1.4000	5.88	14.99	6.77	93.23
#18	1.0000	10.91	25.90	11.69	88.31
#25	0.7100	26.45	52.35	23.63	76.37
#35	0.5000	34.68	87.03	39.28	60.72
#45	0.3550	28.26	115.29	52.04	47.96
#60	0.2500	16.24	131.53	59.37	40.63
#80	0.1800	16.84	148.37	66.97	33.03
#120	0.1250	17.65	166.02	74.94	25.06
#200	0.0750	47.31	213.33	96.29	3.71
Pan		2.78	221.92	100.00	0.00

- Notes:
1. All weights in grams.
  2. Total weight equals oven dry weight of grain size sample.



# Grain Size Analysis - Mechanical

Project	USACE- Jacksonville District
Laboratory Name	Dames & Moore - Atlanta
Visual Description of Soil	Poorly Graded Sand with Silt
Reaction to HCL	Strong
Tested By:	MA

Location	Martin County
Boring No.	CBMC99-9
Sample No.	2
Depth of Sample (ft.):	38.0 -38.5
Date of Testing:	17-Nov-99
Est. Percent Shell:	10%

Weight of Soil and Dish:	341.90
Dry Weight Soil and Dish:	290.19
Weight Dish:	76.40
Total Weight:	213.79
Weight Soil & Dish after Washing:	277.74
Weight of Oven Dry after Washing	201.34

10% Passing - D10	0.079
30% Passing - D30	0.110
60% Passing - D60	0.330
Coef. Of Uniformity - Cu	4.18
Coef. Of Curvature - Cc	0.46
Classification:	SP-SM

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer Passing
#4	4.7500	5.16	5.16	2.41	97.59
#10	2.0000	7.46	12.62	5.90	94.10
#14	1.4000	7.34	19.96	9.34	90.66
#18	1.0000	14.34	34.30	16.04	83.96
#25	0.7100	21.00	55.30	25.87	74.13
#35	0.5000	14.39	69.69	32.60	67.40
#45	0.3550	11.78	81.47	38.11	61.89
#60	0.2500	11.23	92.70	43.36	56.64
#80	0.1800	11.68	104.38	48.82	51.18
#120	0.1250	17.29	121.67	56.91	43.09
#200	0.0750	76.01	197.68	92.46	7.54
Pan		4.01	214.14	100.00	0.00

- Notes:
1. All weights in grams.
  2. Total weight equals oven dry weight of grain size sample.

