

Hole No. CB-MC99-8

<b>DRILLING LOG</b>		<b>DIVISION</b> SOUTH ATLANTIC	<b>INSTALLATION</b> JACKSONVILLE DISTRICT	<b>SHEET</b> 1 OF 1 SHEETS
1. PROJECT MARTIN COUNTY		10. SIZE AND TYPE OF BIT 4" dia. Vibracore		
2. LOCATION <i>(Coordinates or Station)</i> X 775153 Y 1046841		11. DATUM FOR ELEVATION SHOWING @ MLLW		
3. DRILLING AGENCY WILMINGTON DISTRICT		12. MANUFACTURER'S DESIGNATION OF DRILL VIBRA-CORE (SNELL)		
4. HOLE NO. <i>(As shown on drawing title and 1/4" reduced)</i> CB-MC99-8		13. TOTAL NO. OF OVER- BURDEN SAMPLES TAKEN		
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		
8. DEPTH DRILLED INTO ROCK 0.0'		17. ELEVATION TOP OF HOLE -31.4 MLLW		
9. TOTAL DEPTH OF HOLE 20.0'		18. TOTAL CORE RECOVERY FOR BORING N/A		
		19. SIGNATURE OF INSPECTOR Bob Keistler, PE		

ELEVATION MLLW	DEPTH feet	LEGEND	CLASSIFICATION OF MATERIALS <i>(Description)</i>	% CORE RECOV- ERY	BOX OR SAMPLE NO.	REMARKS <i>(Drilling time, water, mud, depth of weathering, etc. &amp; signature)</i>
-31.4	0		SAND-POORLY graded SILTY, FINE TO medium, GRAY, WITH SHELL FRAGMENTS (sp-sm)		0.1'	Time Begin Vibracoring: 13:45 hrs.
	2				0.6'	Soils field classified by Larry Benjamin, Civil Engineer Technician
	4				3.6'	NOTE: Scale changed at 10.0'
	5.9				2	
					4.1'	
-37.3	5.9		ASSUMED NOT RECOVERED			VIBRACORE BORING From 0.0' to 20.0' Ran: 20.0' Rec: 5.9'
	8					
	10					
	15					
-51.4	20		BOTTOM OF HOLE AT 20.0' SOILS ARE FIELD VISUALLY CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM			

PRELIMINARY

# 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

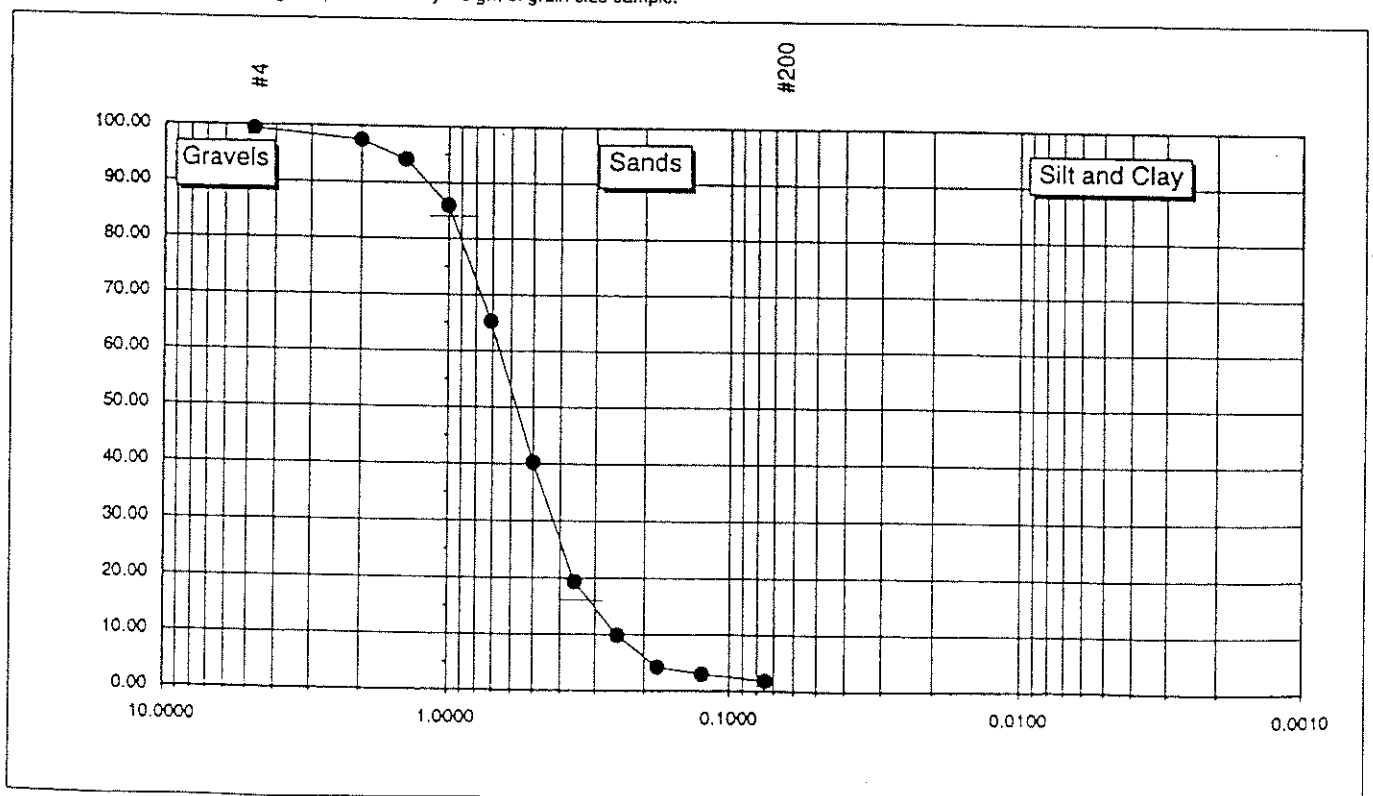
Location	Martin County
Boring No.	CBMC99
Sample No.	1
Depth of Sample (ft.):	31.5 - 32.0
Date of Testing:	17-Nov-9
Est. Percent Shell:	25%

Weight of Soil and Dish:	351.40
Dry Weight Soil and Dish:	301.34
Weight Dish:	86.62
Total Weight:	214.72
Weight Soil & Dish after Washing:	297.62
Weight of Oven Dry after Washing	211.00

10% Passing - D10	0.250
30% Passing - D30	0.420
60% Passing - D60	0.670
Coef. Of Uniformity - Cu	2.68
Coef. Of Curvature - Cc	1.05
Classification:	SP

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer Passing
#4	4.7500	1.39	1.39	0.65	99.35
#10	2.0000	4.04	5.43	2.53	97.47
#14	1.4000	7.29	12.72	5.92	94.08
#18	1.0000	17.53	30.25	14.09	85.91
#25	0.7100	44.33	74.58	34.73	65.27
#35	0.5000	53.77	128.35	59.78	40.22
#45	0.3550	44.97	173.32	80.72	19.28
#60	0.2500	20.24	193.56	90.15	9.85
#80	0.1800	12.10	205.66	95.78	4.22
#120	0.1250	2.68	208.34	97.03	2.97
#200	0.0750	2.48	210.82	98.18	1.82
Pan		0.20	214.74	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.	CBMC99-8
Sample No.	2
Depth of Sample (ft.):	35.0 - 35.5
Date of Testing:	17-Nov-99
Est. Percent Shell:	3-5%

Weight of Soil and Dish:	348.27
Dry Weight Soil and Dish:	302.71
Weight Dish:	87.39
Total Weight:	215.32
Weight Soil & Dish after Washing:	289.36
Weight of Oven Dry after Washing	201.97

10% Passing - D10	0.076
30% Passing - D30	0.090
60% Passing - D60	0.130
Coef. Of Uniformity - Cu	1.71
Coef. Of Curvature - Cc	0.82
Classification:	SP-SM

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer Passing
#4	4.7500	2.85	2.85	1.32	98.68
#10	2.0000	3.69	6.54	3.04	96.96
#14	1.4000	2.78	9.32	4.33	95.67
#18	1.0000	4.31	13.63	6.33	93.67
#25	0.7100	8.12	21.75	10.10	89.90
#35	0.5000	8.40	30.15	14.00	86.00
#45	0.3550	8.52	38.67	17.96	82.04
#60	0.2500	5.53	44.20	20.53	79.47
#80	0.1800	5.26	49.46	22.97	77.03
#120	0.1250	17.65	67.11	31.17	68.83
#200	0.0750	126.81	193.92	90.06	9.94
Pan		7.89	215.16	99.93	0.07

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

