

DRILLING LOG		DIVISION SOUTH ATLANTIC		INSTALLATION JACKSONVILLE DISTRICT		Hole No. CB-MC99-11	
1. PROJECT MARTIN COUNTY		2. LOCATION (Coordinate or Station) X 774658 Y 1048502		10. SIZE AND TYPE OF BIT 4" dia. Vibracore		SHEET 1 OF 1 SHEETS	
3. DRILLING AGENCY WILMINGTON DISTRICT		4. HOLE NO. (As shown on drawing title and the number) CB-MC99-11		11. DATUM FOR ELEVATION SHOWN ON MSL MLLW		12. MANUFACTURER'S DESIGNATION OF DRILL VIBRA-CORE (SNELL)	
5. NAME OF DRILLER JERRY FULCHER CRANE OPERATOR		6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED DEC. FROM VERT.		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN DISTURBED 2 UNDISTURBED 0		14. TOTAL NUMBER CORE BOXES N/A	
7. THICKNESS OF OVERBURDEN N/A		8. DEPTH DRILLED INTO ROCK 0.0'		15. ELEVATION GROUND WATER N/A		16. DATE HOLE STARTED 08/25/99 COMPLETED 08/25/99	
9. TOTAL DEPTH OF HOLE 16.0'		17. ELEVATION TOP OF HOLE - 32.0 MLLW		18. TOTAL CORE RECOVERY FOR BORING N/A		19. SIGNATURE OF INSPECTOR Bob Keistler, PE	
ELEVATION MLLW	DEPTH feet	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE JARS	REMARKS (10-Hour 10-m. water base, depth of weathering, etc. if depth lost)	
-32.0	0		SAND - Poorly graded SILTY, FINE TO MEDIUM, GRAY, WITH SHELL FRAGMENTS (SP-SM)		1	Time Begin Vibracoring: 14:40 hrs. Soils field classified by Larry Benjamin, Civil Engineer Technician	
	2				0.5'		
	4				4.0'		
	6				2		
	6.7		6.7'		4.5'	VIBRACORE BORING From 0.0' to 16.0' Ran: 16.0' Rec: 6.7'	
-38.7	6.7		ASSUMED NOT RECOVERED				
	8						
	10						
	12						
	14						
-48.0	16		BOTTOM OF HOLE AT 16.0'				
			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	Well Graded Sand
Reaction to HCL	Strong
Tested By:	MA

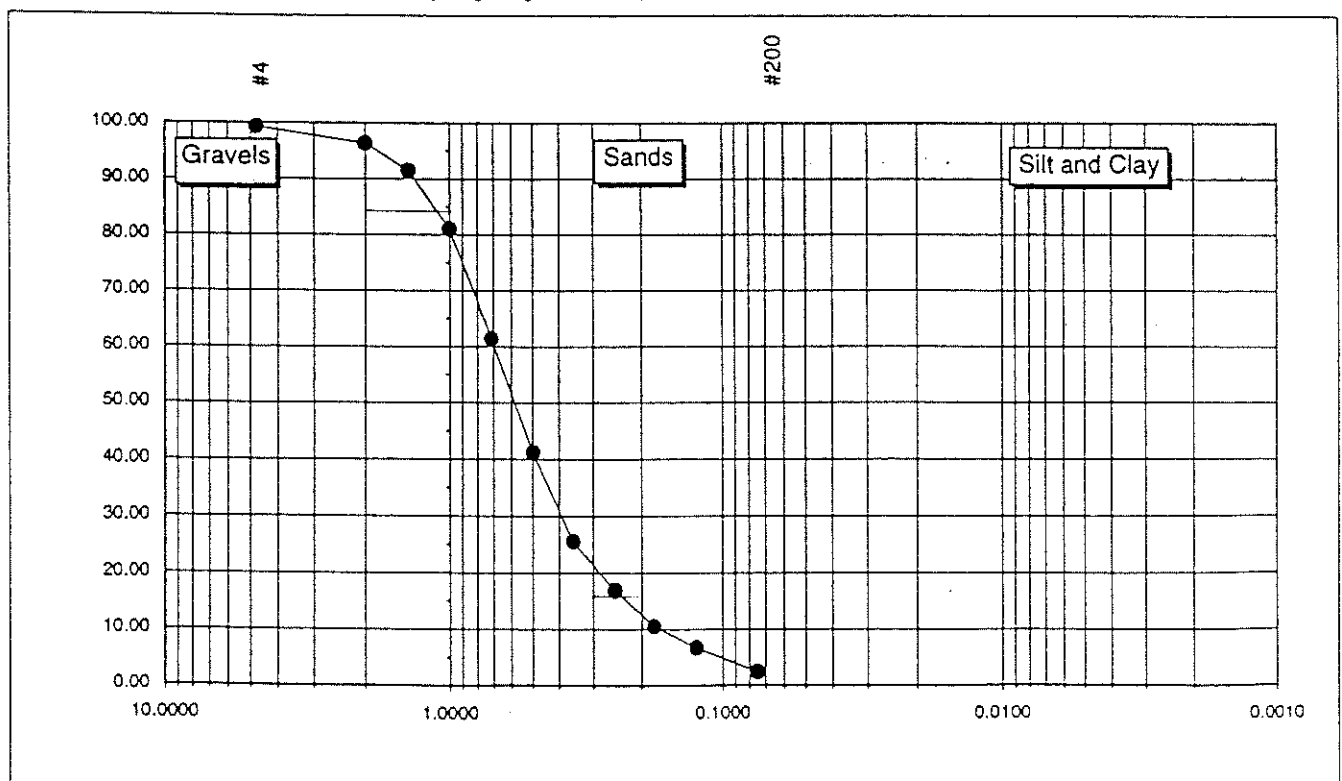
Location	Martin County
Boring No.	CBMC99-11
Sample No.	1
Depth of Sample (ft.):	32.0 - 32.5
Date of Testing:	17-Nov-99
Est. Percent Shell:	25+%

Weight of Soil and Dish:	343.60
Dry Weight Soil and Dish:	283.55
Weight Dish:	86.85
Total Weight:	196.70
Weight Soil & Dish after Washing:	279.56
Weight of Oven Dry after Washing	192.71

10% Passing - D10	0.180
30% Passing - D30	0.400
60% Passing - D60	0.700
Coef. Of Uniformity - Cu	3.89
Coef. Of Curvature - Cc	1.27
Classification:	SW

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer Passing
#4	4.7500	1.37	1.37	0.70	99.30
#10	2.0000	5.79	7.16	3.64	96.36
#14	1.4000	9.64	16.80	8.54	91.46
#18	1.0000	20.55	37.35	18.99	81.01
#25	0.7100	38.74	76.09	38.68	61.32
#35	0.5000	39.57	115.66	58.80	41.20
#45	0.3550	30.77	146.43	74.44	25.56
#60	0.2500	17.04	163.47	83.11	16.89
#80	0.1800	12.66	176.13	89.54	10.46
#120	0.1250	7.36	183.49	93.28	6.72
#200	0.0750	8.51	192.00	97.61	2.39
Pan		0.52	196.51	99.90	0.10

- 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	Well Graded Sand with Silt
Reaction to HCL	Strong
Tested By:	MA

Location	Martin County
Boring No.	CBMC99-11
Sample No.	2
Depth of Sample (ft.):	36.0 - 36.5
Date of Testing:	17-Nov-99
Est. Percent Shell:	25%

Weight of Soil and Dish:	347.40
Dry Weight Soil and Dish:	297.71
Weight Dish:	86.25
Total Weight:	211.46
Weight Soil & Dish after Washing:	284.39
Weight of Oven Dry after Washing	198.14

10% Passing - D10	0.090
30% Passing - D30	0.330
60% Passing - D60	0.620
Coef. Of Uniformity - Cu	6.89
Coef. Of Curvature - Cc	1.95
Classification:	SW-SM

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer Passing
#4	4.7500	2.34	2.34	1.11	98.89
#10	2.0000	4.25	6.59	3.12	96.88
#14	1.4000	6.68	13.27	6.28	93.72
#18	1.0000	15.37	28.64	13.54	86.46
#25	0.7100	38.61	67.25	31.80	68.20
#35	0.5000	45.79	113.04	53.46	46.54
#45	0.3550	31.27	144.31	68.24	31.76
#60	0.2500	15.73	160.04	75.68	24.32
#80	0.1800	10.67	170.71	80.73	19.27
#120	0.1250	5.73	176.44	83.44	16.56
#200	0.0750	20.27	196.71	93.02	6.98
Pan		1.86	211.89	100.00	0.00

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

