

Hole No. CB-MC99-5

DRILLING LOG		DIVISION SOUTH ATLANTIC	INSTALLATION JACKSONVILLE DISTRICT		SHEET 1 OF 1 SHEETS	
1. PROJECT MARTIN COUNTY			10. SIZE AND TYPE OF BIT 4" dia. Vibracore			
2. LOCATION (Coordinates or Station) X 776620 Y 1045781			11. DATUM FOR ELEVATION SHOWN MLLW			
3. DRILLING AGENCY WILMINGTON DISTRICT			12. MANUFACTURER'S DESIGNATION OF DRILL VIBRA-CORE (SNELL)			
4. HOLE NO. (As shown on drawing 1110 and 711 number) CB-MC99-5			13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN DISTURBED 2 UNDISTURBED 0			
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 -27.0 MLLW			
9. TOTAL DEPTH OF HOLE 12.0'			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 RECOV- ERY	BOX OR SAMPLE NO. JAR	REMARKS (Drilling time, water loss, depth of weathering, etc. if significant)
-27.0	0		SAND - poorly graded SILTY, FINE TO medium, GRAY, WITH SHELL FRAGMENTS. (SP-SM)		1	Time Begin Vibracoring: 11:55 hrs. Soils field classified by Larry Benjamin, Civil Engineer Technician
	0.5'					
	3.0'					
	2 3.5'					
-33.3	6.3		6.3'			
			ASSUMED NOT RECOVERED			
	8					
	10					
-39.0	12		BOTTOM OF HOLE AT 12.0'			
			SOILS ARE FIELD VISUALLY CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM			

VIBRACORE BORING  
From 0.0' to 12.0'  
Rcn: 12.0' Rec: 6.3'

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	
Boring	
Sample No.	
Depth of Sample	
Date of Test	
Est. Percent Shell	

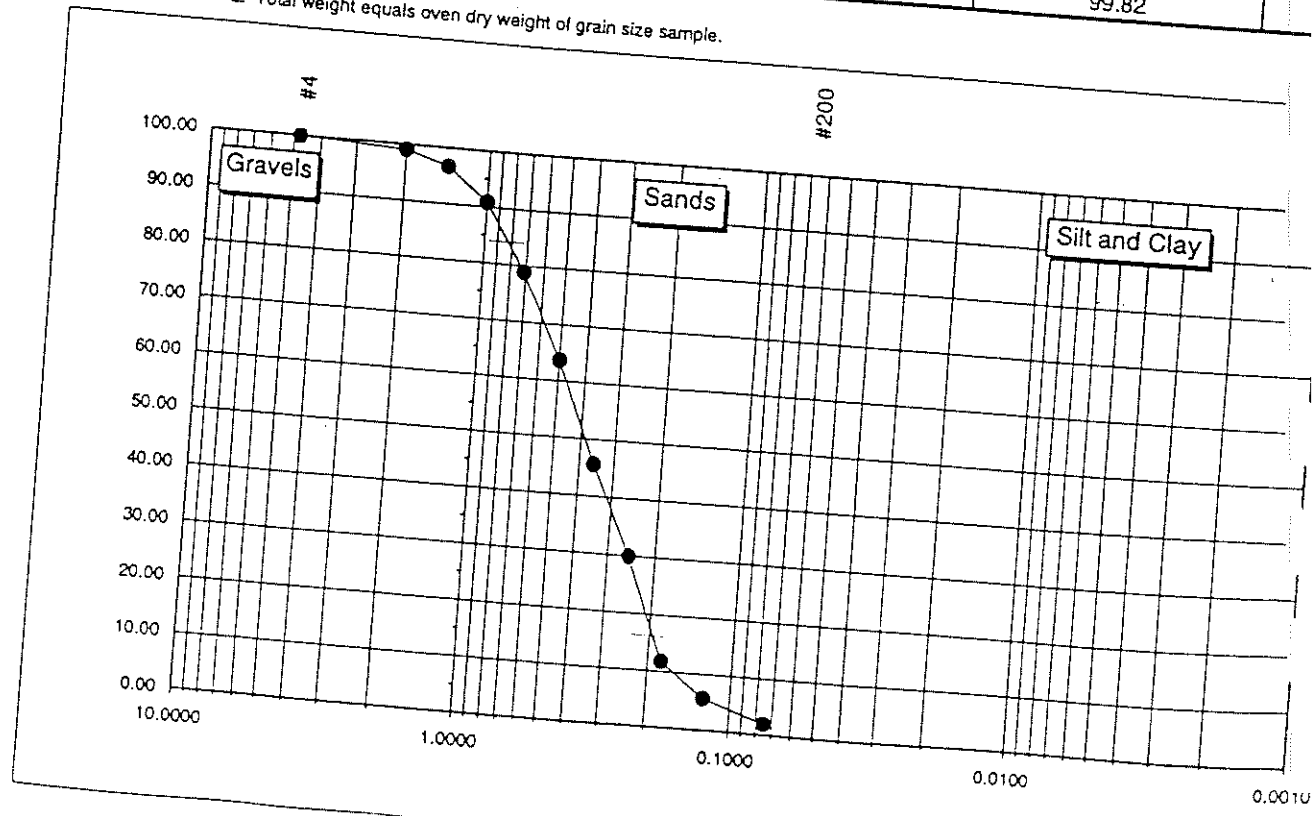
Weight of Soil and Dish:	355.72
Dry Weight Soil and Dish:	300.95
Weight Dish:	76.35
Total Weight:	224.60
Weight Soil & Dish after Washing:	297.35
Weight of Oven Dry after Washing:	221.00

10% Passing - D10	
30% Passing - D30	
60% Passing - D60	
Coef. Of Uniformity - C <sub>u</sub>	
Coef. Of Curvature - C <sub>c</sub>	
Classification:	

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained
#4	4.7500	0.15	0.15	0.07
#10	2.0000	2.00	2.15	0.96
#14	1.4000	5.30	7.45	3.32
#18	1.0000	13.20	20.65	9.19
#25	0.7100	26.95	47.60	21.19
#35	0.5000	34.05	81.65	36.35
#45	0.3550	40.55	122.20	54.41
#60	0.2500	35.35	157.55	70.15
#80	0.1800	40.65	198.20	88.25
#120	0.1250	13.60	211.80	94.30
#200	0.0750	8.50	220.30	98.09
Pan		0.30	224.20	99.82

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 Weak  
 Tested By: MA

Location Ma  
 Boring No. C  
 Sample No. 3  
 Depth of Sample (ft.): 1  
 Date of Testing: 1  
 Est. Percent Shell: 1

Weight of Soil and Dish:	354.76
Dry Weight Soil and Dish:	300.35
Weight Dish:	86.34
Total Weight:	214.01
Weight Soil & Dish after Washing:	287.50
Weight of Oven Dry after Washing	201.16

10% Passing - D10  
 30% Passing - D30  
 60% Passing - D60  
 Coef. Of Uniformity - Cu  
 Coef. Of Curvature - Cc  
 Classification: S

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cur P Finer
#4	4.7500	0.05	0.05	0.02	9
#10	2.0000	1.10	1.15	0.54	9
#14	1.4000	2.55	3.70	1.73	9
#18	1.0000	5.35	9.05	4.23	9
#25	0.7100	10.05	19.10	8.92	9
#35	0.5000	14.10	33.20	15.51	8
#45	0.3550	8.20	41.40	19.34	80
#60	0.2500	8.35	49.75	23.25	76
#80	0.1800	6.70	56.45	26.38	73
#120	0.1250	25.35	81.80	38.22	61
#200	0.0750	113.30	195.10	91.16	8
Pan		4.80	212.75	99.41	0

Notes:

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

