

DRILLING LOG		DIVISION SOUTH ATLANTIC		INSTALLATION JACKSONVILLE DISTRICT		Hole No. CB-MC99-4	
1. PROJECT MARTIN COUNTY		10. SIZE AND TYPE OF BIT 4" dia. Vibrocoring		SHEET 1 OF 1 SHEETS			
2. LOCATION X 776716 Y 1044678		11. DATUM FOR ELEVATION SHOWING or USU MLLW					
3. DRILLING AGENCY WILMINGTON DISTRICT		12. MANUFACTURER'S DESIGNATION OF DRILL VIBRA-CORE (SNELL)					
4. HOLE NO. (as shown on drawing 1816 and 126 number)		13. TOTAL NO. OF OVER- BURDEN 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		16. DATE HOLE		STARTED 08/25/99 COMPLETED 08/25/99			
8. DEPTH DRILLED INTO ROCK		17. ELEVATION TOP OF HOLE		-23.5 MLLW			
9. TOTAL DEPTH OF HOLE		18. TOTAL CORE RECOVERY FOR BORING		N/A		X	
		19. SIGNATURE OF INSPECTOR		Bob Keisler, PE			
ELEVATION MLLW	DEPTH feet	LEGEND	CLASSIFICATION OF MATERIALS (Description)	X CORE RECOV- ERY	BOX OR SAMPLE NO. JAR	REMARKS (Drilling time, water loss, depth of weathering, etc. if standard)	
-23.5	0		SAND - poorly graded SILTY, FINE TO medium GRAY, WITH SHELL Fragments (SPSM)		0.5'	Time Begin Vibrocoring: 11:20 hrs.	
	2				1.0'	Soils field classified by Larry Benjamin, Civil Engineer Technician	
	4				4.5'		
	5.8				5.0'	VIBRACORE BORING From 0.0' to 11.0' Ran: 11.0' Rec: 5.8'	
-29.3	5.8		ASSUMED NOT RECOVERED				
	8						
	10						
-34.5	11		BOTTOM OF HOLE AT 11.0' 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	
Boring /	
Sample No.	
Depth of Sample (ft)	
Date of Test	
Est. Percent Shell:	

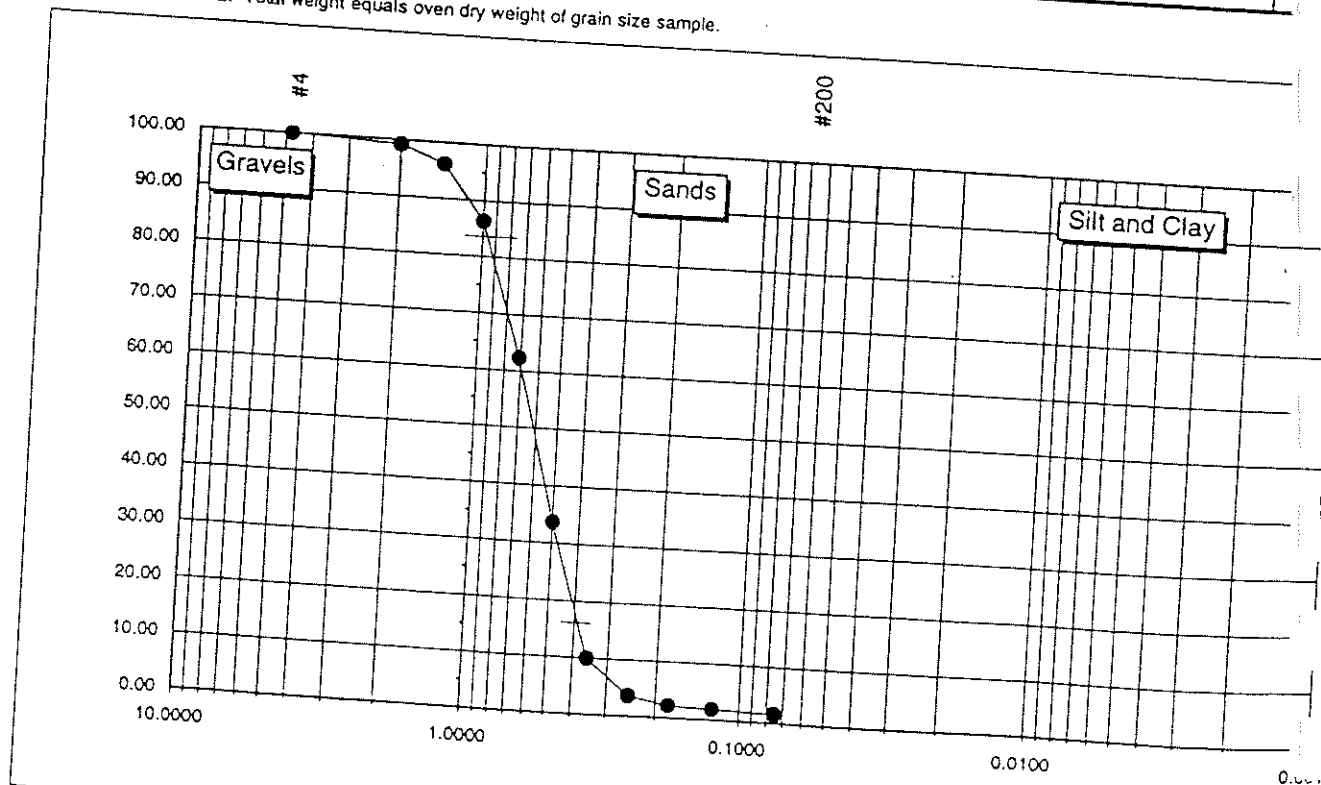
Weight of Soil and Dish:	360.96
Dry Weight Soil and Dish:	302.50
Weight Dish:	85.64
Total Weight:	216.86
Weight Soil & Dish after Washing:	298.84
Weight of Oven Dry after Washing	213.20

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

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained
#4	4.7500	0.06	0.06	0.03
#10	2.0000	1.68	1.74	0.80
#14	1.4000	6.60	8.34	3.85
#18	1.0000	21.38	29.72	13.70
#25	0.7100	52.14	81.86	37.75
#35	0.5000	62.03	143.89	66.35
#45	0.3550	51.43	195.32	90.07
#60	0.2500	13.60	208.92	96.34
#80	0.1800	3.30	212.22	97.86
#120	0.1250	0.58	212.80	98.13
#200	0.0750	0.61	213.41	98.41
Pan		0.07	217.14	100.00

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 - Allanta
Visual Description of Soil	Poorly Graded Sand
Reaction to HCL	Strong
Tested By:	MA

Location	Martin Count
Boring No.	CBMC99-4
Sample No.	2
Depth of Sample (ft.):	28.0 - 28.5
Date of Testing:	15-Nov-99
Est. Percent Shell:	33%

Weight of Soil and Dish:	328.46
Dry Weight Soil and Dish:	275.15
Weight Dish:	76.09
Total Weight:	199.06
Weight Soil & Dish after Washing:	270.95
Weight of Oven Dry after Washing	194.86

10% Passing - D10	0.200
30% Passing - D30	0.350
60% Passing - D60	0.700
Coef. Of Uniformity - Cu	3.50
Coef. Of Curvature - Cc	0.88
Classification:	SP

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer Passing
#4	4.7500	0.55	0.55	0.28	99.72
#10	2.0000	4.30	4.85	2.44	97.56
#14	1.4000	12.00	16.85	8.46	91.54
#18	1.0000	26.20	43.05	21.63	78.37
#25	0.7100	36.10	79.15	39.76	60.24
#35	0.5000	34.05	113.20	56.87	43.13
#45	0.3550	27.55	140.75	70.71	29.29
#60	0.2500	25.30	166.05	83.42	16.58
#80	0.1800	21.30	187.35	94.12	5.88
#120	0.1250	4.05	191.40	96.15	3.85
#200	0.0750	2.50	193.90	97.41	2.59
Pan		0.20	198.30	99.62	0.38

Notes:

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

