

DRILLING LOG		DIVISION	Hole No. CB-MC99-3			
PROJECT MARTIN COUNTY		SOUTH ATLANTIC	INSTALLATION JACKSONVILLE DISTRICT	SHEET 1 OF 1 SHEETS		
2. LOCATION (Continuation of Station) X 776763 Y 1043859		10. SIZE AND TYPE OF BIT 4" dia. Vibracore				
3. DRILLING AGENCY WILMINGTON DISTRICT		11. DATUM FOR ELEVATION SHOWN ON MLLW				
4. HOLE NO. (As shown on drawing 1810 and file number) CB-MC99-3		12. MANUFACTURER'S DESIGNATION OF DRILL VIBRA-CORE (SNELL)				
5. NAME OF DRILLER JERRY FULCHER CRANE OPERATOR		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN DISTURBED 2 UNDISTURBED 0				
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEG. FROM VERT.		14. TOTAL NUMBER CORE BOXES N/A				
7. THICKNESS OF OVERBURDEN N/A		15. ELEVATION GROUND WATER N/A				
8. DEPTH DRILLED INTO ROCK 0.0'		16. DATE HOLE STARTED 08/25/99 COMPLETED 08/25/99				
9. TOTAL DEPTH OF HOLE 16.0'		17. ELEVATION TOP OF HOLE -24.4' MLLW				
		18. TOTAL CORE RECOVERY FOR BORING N/A				
		19. SIGNATURE OF INSPECTOR Bob Keistler, PE				
ELEVATION MLLW	DEPTH feet	LEGEND	CLASSIFICATION OF MATERIALS (Designation)	X CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water level, depth of weathering, etc., if significant)
-24.4	0		SAND - poorly graded SILTY, FINE TO MEDIUM GRAY, WITH shell fragments (SP-SM)		1	Time Begin Vibracoring: 11.00 hrs. Soils field classified by Larry Benjamin, Civil Engineer Technician
	2					
	4					
	6		6.0' TRACE OF SHELL FRAGMENTS		6.0'	
	8				2	
	8.4		8.4' ASSUMED NOT RECOVERED		6.5'	
	10					
	12					
	14					
	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 Poorly Graded Sand  
 Reaction to HCL Strong  
 Tested By: MA

L  
 Bor  
 Sample  
 Depth of Samp  
 Date of Te  
 Est. Percent St

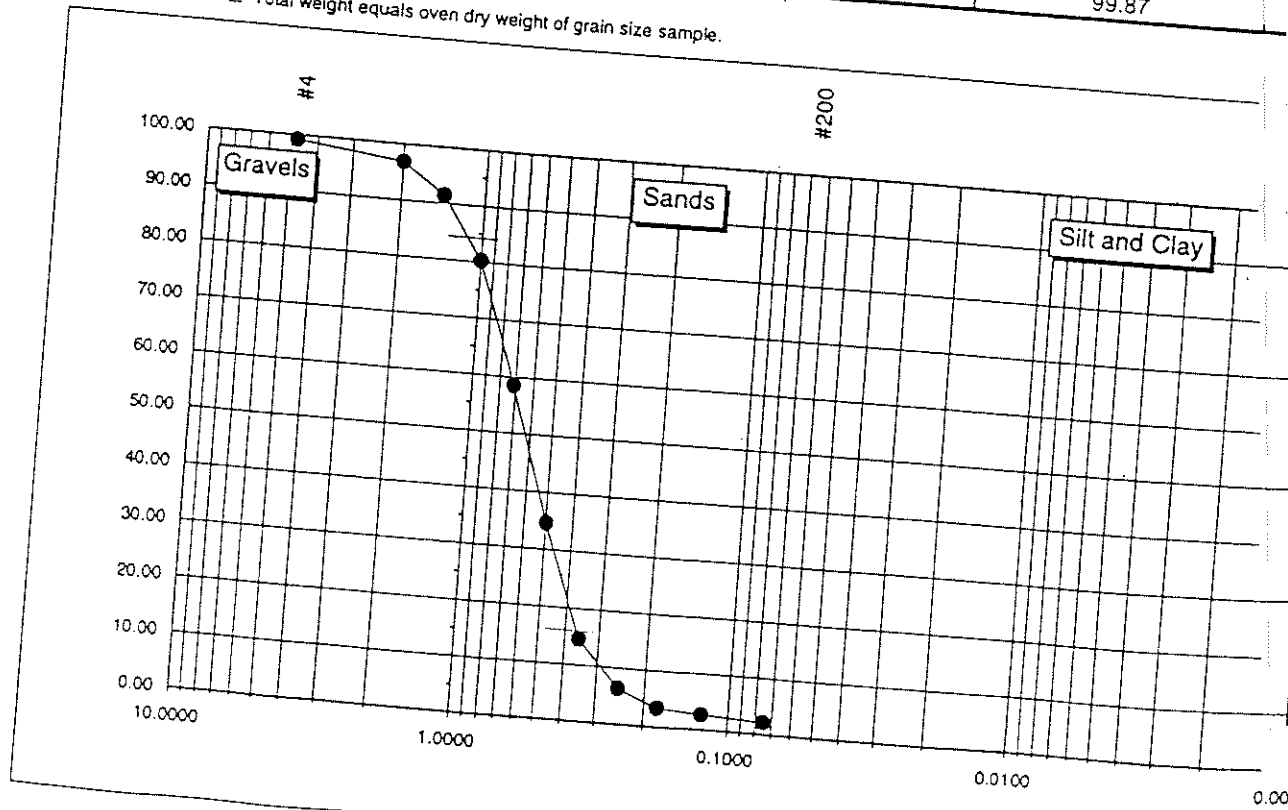
Weight of Soil and Dish: 334.56  
 Dry Weight Soil and Dish: 286.10  
 Weight Dish: 86.65  
 Total Weight: 199.45  
 Weight Soil & Dish after Washing: 282.25  
 Weight of Oven Dry after Washing: 195.60

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

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained
#4	4.7500	1.65	1.65	0.83
#10	2.0000	4.70	6.35	3.18
#14	1.4000	10.75	17.10	8.57
#25	1.0000	22.25	39.35	19.73
#35	0.7100	43.35	82.70	41.46
#45	0.5000	47.65	130.35	65.35
#60	0.3550	40.05	170.40	85.43
#80	0.2500	16.30	186.70	93.61
#120	0.1800	5.95	192.65	96.59
#200	0.1250	1.45	194.10	97.32
Pan	0.0750	1.20	195.30	97.92
		0.05	199.20	99.87

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	Silty Sand
Reaction to HCL	Strong
Tested By:	MA

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

Weight of Soil and Dish:	351.09
Dry Weight Soil and Dish:	296.00
Weight Dish:	86.68
Total Weight:	209.32
Weight Soil & Dish after Washing:	277.30
Weight of Oven Dry after Washing	190.62

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	Cu P Fine
#4	4.7500	0.35	0.35	0.17	
#10	2.0000	0.30	0.65	0.31	
#14	1.4000	0.80	1.45	0.69	
#18	1.0000	2.25	3.70	1.77	
#25	0.7100	5.95	9.65	4.61	
#35	0.5000	12.10	21.75	10.39	
#45	0.3550	3.10	24.85	11.87	
#60	0.2500	5.30	30.15	14.40	
#80	0.1800	5.65	35.80	17.10	
#120	0.1250	18.20	54.00	25.80	
#200	0.0750	129.55	183.55	87.69	
Pan		5.25	207.50	99.13	

Notes:

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

