

DRILLING LOG		DIVISION	INSTALLATION		SHEET 1 OF 1 SHEETS	
1. PROJECT MARTIN COUNTY		SOUTH ATLANTIC	JACKSONVILLE DISTRICT			
2. LOCATION (Continuation of Form X 777065 Y 1042206)			10. SIZE AND TYPE OF BIT 4" dia. Vibracore			
3. DRILLING AGENCY WILMINGTON DISTRICT			11. DATUM FOR ELEVATION SHOWING of USU MLLW			
4. HOLE NO. (as shown on drawing 1876 and file number)		CB-MC99-1	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		15.0'	17. ELEVATION TOP OF HOLE		-25.6 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 DRY	BOX OR SAMPLE NO. JAR	REMARKS (Drilling time, water, logs, depth of weathering, etc., if significant)
-25.6	0		SAND - Poorly graded FINE TO Medium, GRAY WITH SHELL FRAGMENTS (SP)		0.4'	Time Begin Vibracoring: 10:05 hrs.
	2				0.9'	Soils field classified, by Larry Benjamin, Civil Engineer Technician
	4				4.4'	
	6				2	
	6.5		6.5'		4.9'	
-32.1	6.5		ASSUMED NOT RECOVERED			
	8					
	10					
	12					
	14					
-40.6	15		BOTTOM OF HOLE AT 15.0'			
			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
Boring No.	CBM
Sample No.	1
Depth of Sample (ft.):	26.0
Date of Testing:	15-N
Est. Percent Shell:	25%

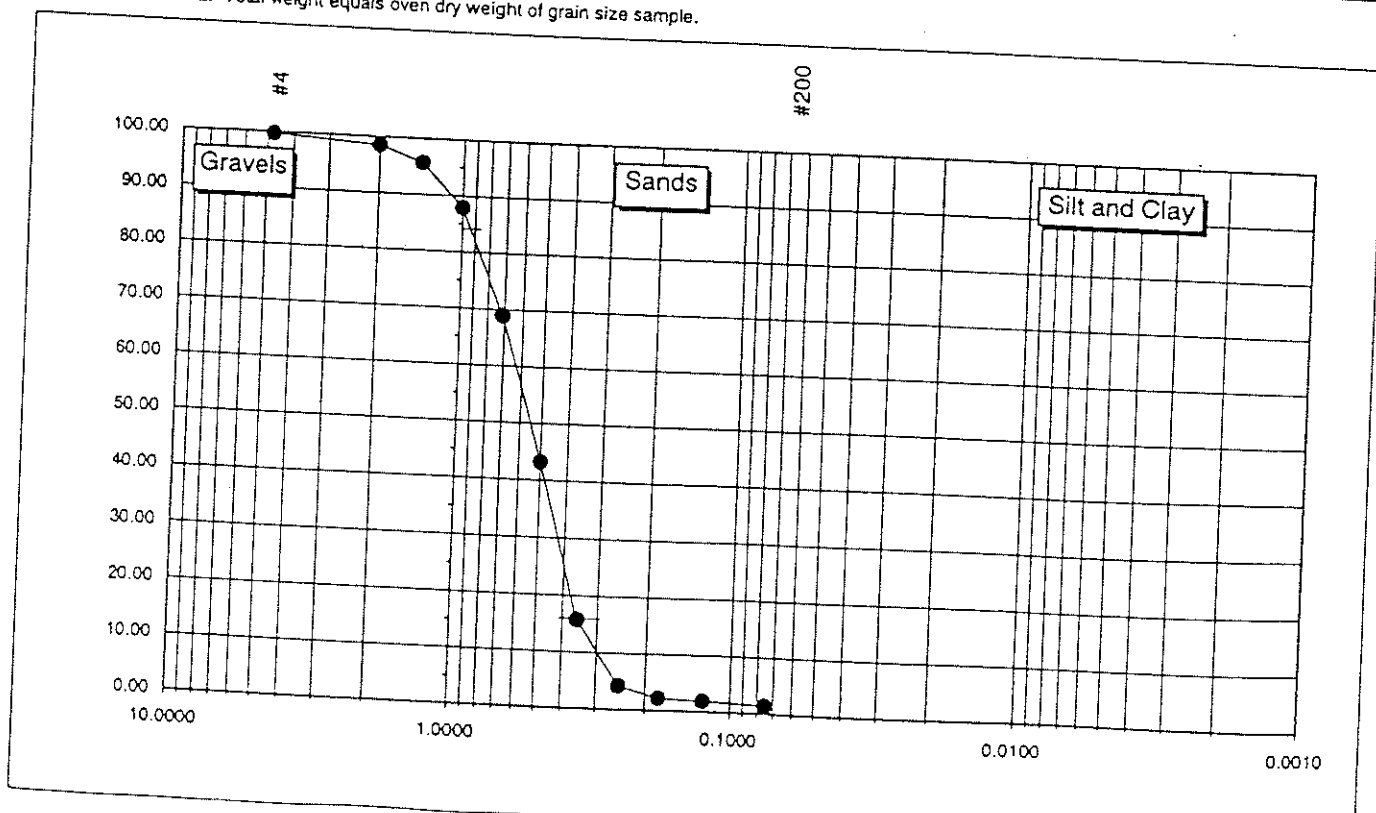
Weight of Soil and Dish:	351.13
Dry Weight Soil and Dish:	287.90
Weight Dish:	85.26
Total Weight:	202.64
Weight Soil & Dish after Washing:	285.55
Weight of Oven Dry after Washing	200.29

10% Passing - D10	0.30
30% Passing - D30	0.42
60% Passing - D60	0.62
Coef. Of Uniformity - Cu	2.1
Coef. Of Curvature - Cc	0.5
Classification:	SP

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer
#4	4.7500	0.60	0.60	0.30	99.70
#10	2.0000	2.50	3.10	1.53	98.47
#14	1.4000	5.70	8.80	4.34	95.66
#18	1.0000	15.75	24.55	12.12	87.80
#25	0.7100	38.50	63.05	31.11	68.89
#35	0.5000	52.15	115.20	56.85	43.11
#45	0.3550	55.50	170.70	84.24	15.76
#60	0.2500	23.45	194.15	95.81	4.19
#80	0.1800	4.05	198.20	97.81	2.19
#120	0.1250	0.60	198.80	98.11	1.89
#200	0.0750	0.95	199.75	98.57	1.43
Pan		0.05	200.15	99.76	0.24

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
Reaction to HCL	Strong
Tested By:	MA

Location	Martin
Boring No.	CBM
Sample No.	
Depth of Sample (ft.):	30.0
Date of Testing:	15-N
Est. Percent Shell:	25

Weight of Soil and Dish:	349.87
Dry Weight Soil and Dish:	295.45
Weight Dish:	86.63
Total Weight:	208.82
Weight Soil & Dish after Washing:	288.45
Weight of Oven Dry after Washing	201.82

10% Passing - D10	0.2
30% Passing - D30	0.3
60% Passing - D60	0.6
Coef. Of Uniformity - Cu	3.2
Coef. Of Curvature - Cc	1.1
Classification:	SV

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer
#4	4.7500	1.15	1.15	0.55	99.45
#10	2.0000	3.85	5.00	2.39	97.61
#14	1.4000	10.30	15.30	7.33	92.67
#18	1.0000	22.00	37.30	17.86	82.14
#25	0.7100	35.70	73.00	34.96	65.04
#35	0.5000	41.00	114.00	54.59	45.41
#45	0.3550	38.90	152.90	73.22	26.78
#60	0.2500	24.25	177.15	84.83	15.17
#80	0.1800	14.30	191.45	91.68	8.32
#120	0.1250	4.75	196.20	93.96	6.04
#200	0.0750	5.00	201.20	96.35	3.65
Pan		0.25	208.45	99.82	0.18

Notes:

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

