

DRILLING LOG		DIVISION	INSTALLATION	SHEET		
		SOUTH ATLANTIC	JACKSONVILLE DISTRICT	1 OF 1 SHEETS		
1. PROJECT MARTIN COUNTY			10. SIZE AND TYPE OF BIT 4" dia. Vibracore			
2. LOCATION (County, State or Station) X 775812 Y 1046190			11. DATUM FOR ELEVATION SHOWING (if used) MLLW			
3. DRILLING AGENCY WILMINGTON DISTRICT			12. MANUFACTURER'S DESIGNATION OF DRILL VIBRA-CORE (SNELL)			
4. HOLE NO. (as shown on drawing 1816 and this number) CB-MC99-6			13. TOTAL NO. OF OVER- BURDEN SAMPLES TAKEN 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 -282 MLLW			
9. TOTAL DEPTH OF HOLE 14.0'			18. TOTAL CORE RECOVERY FOR BORING N/A %			
			19. SIGNATURE OF INSPECTOR Bob Keister, PE			
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO. JAR	REMARKS (Drilling time, water loss, sign of weathering, etc. if significant)
MLLW	feet					
-282	0		SAND - poorly graded SILTY, FINE TO MEDIUM, GRAY, WITH SHELL FRAGMENTS (SP-SM)		0.3' 1' 0.8' 1.8' 2' 2.3'	Time Begin Vibracoring: 12:45 hrs. Soils field classified by Larry Benjamin, Civil Engineer Technician
-34.6	6.4		6.4' ASSUMED NOT RECOVERED			
-42.2	14		BOTTOM OF HOLE AT 14.0' SOILS ARE FIELD VISUALLY CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM			

VIBRACORE BORING
From 0.0' to 14.0'
Ran: 14.0' Rec: 6.4'

PRELIMINARY

ENG FORM 1338 PREVIOUS EDITIONS ARE OBSOLETE.
MAR 71

PROJECT MARTIN
COUNTY

HOLE NO.

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	Strong
Tested By:	MA

Location	Martin
Boring No.	CBM
Sample No.	
Depth of Sample (ft.):	28.5
Date of Testing:	15-1
Est. Percent Shell:	1

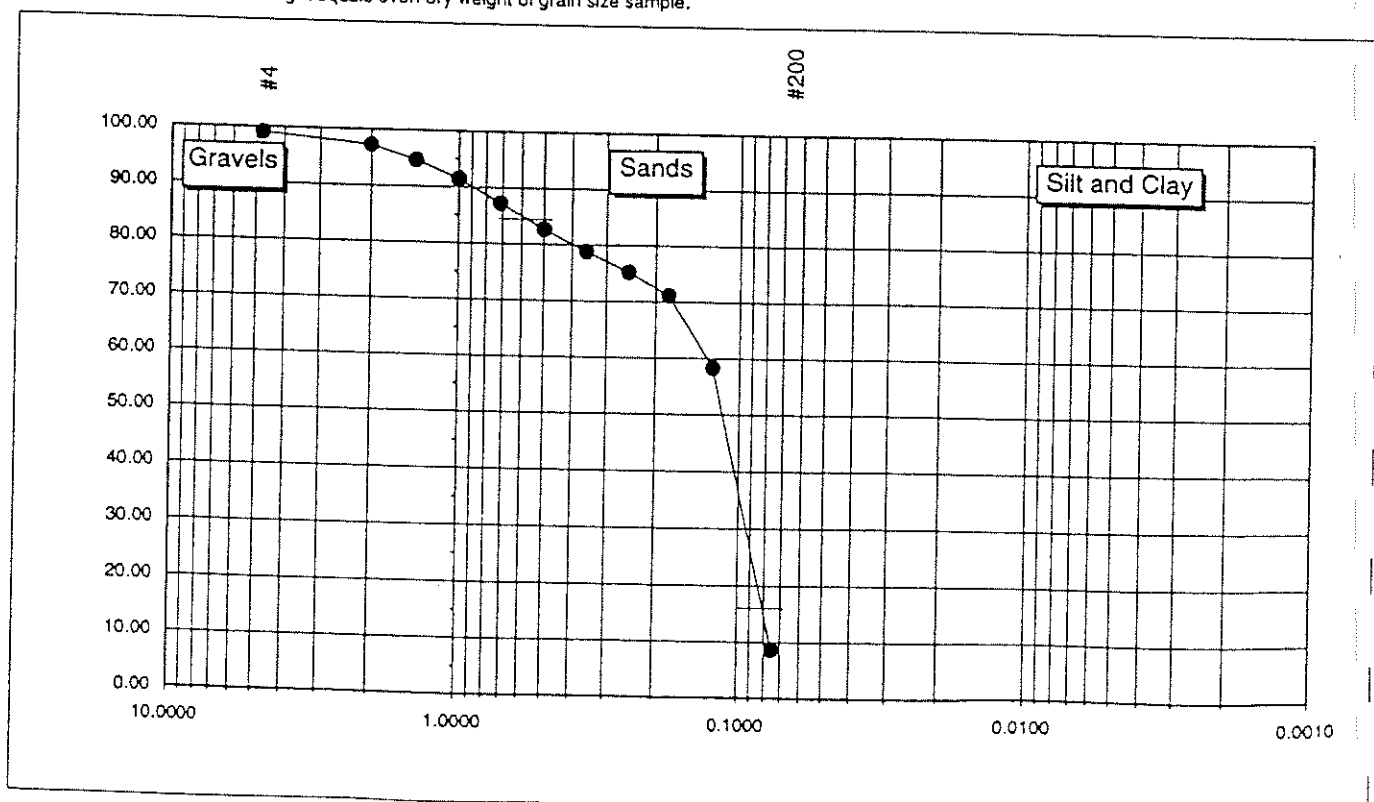
Weight of Soil and Dish:	359.60
Dry Weight Soil and Dish:	307.35
Weight Dish:	86.39
Total Weight:	220.96
Weight Soil & Dish after Washing:	294.10
Weight of Oven Dry after Washing	207.71

10% Passing - D10	0
30% Passing - D30	0
60% Passing - D60	0.12
Coef. Of Uniformity - Cu	1
Coef. Of Curvature - Cc	0
Classification:	SP

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cum Percent Finer
#4	4.7500	2.05	2.05	0.93	99
#10	2.0000	4.00	6.05	2.74	97.2
#14	1.4000	5.75	11.80	5.34	94
#18	1.0000	7.15	18.95	8.58	91
#25	0.7100	9.35	28.30	12.81	87.19
#35	0.5000	10.00	38.30	17.33	82
#45	0.3550	8.50	46.80	21.18	78
#60	0.2500	8.00	54.80	24.80	75.20
#80	0.1800	9.05	63.85	28.90	71
#120	0.1250	28.30	92.15	41.70	58
#200	0.0750	109.80	201.95	91.40	8.60
Pan		4.50	219.70	99.43	0

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 Cou
Boring No.	CBMC99-
Sample No.	2
Depth of Sample (ft.):	30.0 - 30.
Date of Testing:	15-Nov-99
Est. Percent Shell:	25-50%

Weight of Soil and Dish:	367.91
Dry Weight Soil and Dish:	311.75
Weight Dish:	86.03
Total Weight:	225.72
Weight Soil & Dish after Washing:	303.20
Weight of Oven Dry after Washing	217.17

10% Passing - D10	0.180
30% Passing - D30	0.390
60% Passing - D60	0.630
Coef. Of Uniformity - Cu	3.50
Coef. Of Curvature - Cc	1.34
Classification:	SW

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer Passing
#4	4.7500	1.40	1.40	0.62	99.38
#10	2.0000	4.40	5.80	2.57	97.43
#14	1.4000	8.25	14.05	6.22	93.78
#18	1.0000	20.55	34.60	15.33	84.67
#25	0.7100	41.20	75.80	33.58	66.42
#35	0.5000	48.10	123.90	54.89	45.11
#45	0.3550	43.45	167.35	74.14	25.86
#60	0.2500	22.20	189.55	83.98	16.02
#80	0.1800	15.05	204.60	90.64	9.36
#120	0.1250	5.00	209.60	92.86	7.14
#200	0.0750	6.00	215.60	95.52	4.48
Pan		0.25	224.40	99.42	0.58

Notes:

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

