

# 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 County
Boring No.	CBMC99-
Sample No.	1
Depth of Sample (ft.):	28.5 - 29.0
Date of Testing:	17-Nov-96
Est. Percent Shell:	25%

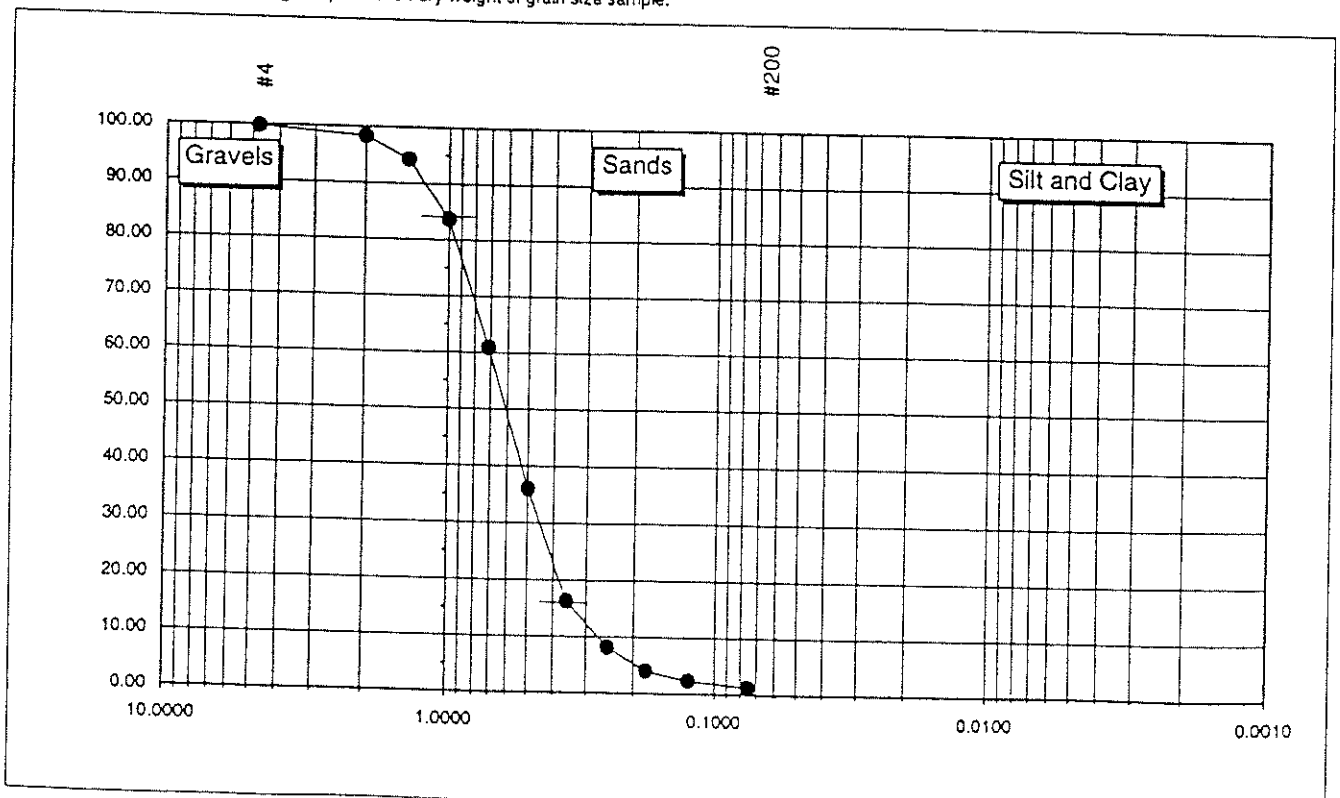
Weight of Soil and Dish:	350.52
Dry Weight Soil and Dish:	293.40
Weight Dish:	91.20
Total Weight:	202.20
Weight Soil & Dish after Washing:	290.58
Weight of Oven Dry after Washing	199.38

10% Passing - D10	0.270
30% Passing - D30	0.450
60% Passing - D60	0.700
Coef. Of Uniformity - Cu	2.59
Coef. Of Curvature - Cc	1.07
Classification:	SP

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer Passir
#4	4.7500	0.49	0.49	0.24	99.76
#10	2.0000	2.97	3.46	1.71	98.29
#14	1.4000	8.20	11.66	5.77	94.23
#18	1.0000	21.43	33.09	16.36	83.64
#25	0.7100	45.99	79.08	39.11	60.89
#35	0.5000	50.39	129.47	64.03	35.97
#45	0.3550	39.75	169.22	83.69	16.31
#60	0.2500	16.46	185.68	91.83	8.17
#80	0.1800	8.33	194.01	95.95	4.05
#120	0.1250	3.45	197.46	97.66	2.34
#200	0.0750	2.30	199.76	98.79	1.21
Pan		0.10	202.68	100.00	0.00

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

Location	Martin County
Boring No.	CBMC99-7
Sample No.	2
Depth of Sample (ft.):	31.0 - 31.5
Date of Testing:	17-Nov-99
Est. Percent Shell:	5-10%

Weight of Soil and Dish:	353.68
Dry Weight Soil and Dish:	301.39
Weight Dish:	91.31
Total Weight:	210.08
Weight Soil & Dish after Washing:	292.88
Weight of Oven Dry after Washing	201.57

10% Passing - D10	0.080
30% Passing - D30	0.110
60% Passing - D60	0.200
Coef. Of Uniformity - Cu	2.50
Coef. Of Curvature - Cc	0.76
Classification:	SP-SM

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer Passing
#4	4.7500	0.95	0.95	0.45	99.55
#10	2.0000	2.23	3.18	1.51	98.49
#14	1.4000	2.74	5.92	2.82	97.18
#18	1.0000	5.88	11.80	5.62	94.38
#25	0.7100	12.80	24.60	11.71	88.29
#35	0.5000	15.58	40.18	19.13	80.87
#45	0.3550	16.62	56.80	27.04	72.96
#60	0.2500	14.05	70.85	33.73	66.27
#80	0.1800	16.37	87.22	41.52	58.48
#120	0.1250	35.66	122.88	58.49	41.51
#200	0.0750	74.86	197.74	94.13	5.87
Pan		4.07	210.32	100.00	0.00

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

