

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

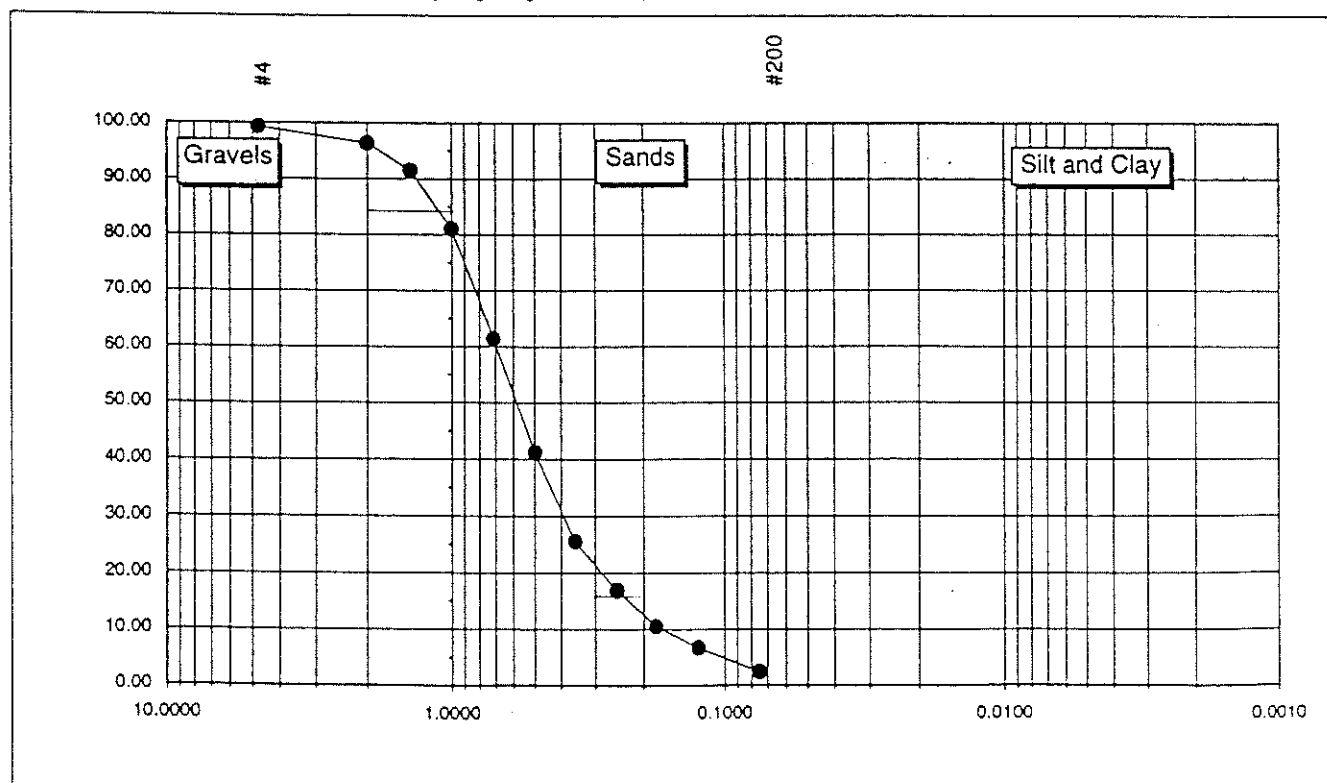
Location	Martin County
Boring No.	CBMC99-11
Sample No.	1
Depth of Sample (ft.):	32.0 - 32.5
Date of Testing:	17-Nov-99
Est. Percent Shell:	25+%

Weight of Soil and Dish:	343.60
Dry Weight Soil and Dish:	283.55
Weight Dish:	86.85
Total Weight:	196.70
Weight Soil & Dish after Washing:	279.56
Weight of Oven Dry after Washing	192.71

10% Passing - D10	0.180
30% Passing - D30	0.400
60% Passing - D60	0.700
Coef. Of Uniformity - Cu	3.89
Coef. Of Curvature - Cc	1.27
Classification:	SW

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer Passing
#4	4.7500	1.37	1.37	0.70	99.30
#10	2.0000	5.79	7.16	3.64	96.36
#14	1.4000	9.64	16.80	8.54	91.46
#18	1.0000	20.55	37.35	18.99	81.01
#25	0.7100	38.74	76.09	38.68	61.32
#35	0.5000	39.57	115.66	58.80	41.20
#45	0.3550	30.77	146.43	74.44	25.56
#60	0.2500	17.04	163.47	83.11	16.89
#80	0.1800	12.66	176.13	89.54	10.46
#120	0.1250	7.36	183.49	93.28	6.72
#200	0.0750	8.51	192.00	97.61	2.39
Pan		0.52	196.51	99.90	0.10

- 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 with Silt
Reaction to HCL	Strong
Tested By:	MA

Location	Martin County
Boring No.	CBMC99-11
Sample No.	2
Depth of Sample (ft.):	36.0 - 36.5
Date of Testing:	17-Nov-99
Est. Percent Shell:	25%

Weight of Soil and Dish:	347.40
Dry Weight Soil and Dish:	297.71
Weight Dish:	86.25
Total Weight:	211.46
Weight Soil & Dish after Washing:	284.39
Weight of Oven Dry after Washing	198.14

10% Passing - D10	0.090
30% Passing - D30	0.330
60% Passing - D60	0.620
Coef. Of Uniformity - Cu	6.89
Coef. Of Curvature - Cc	1.95
Classification:	SW-SM

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer Passing
#4	4.7500	2.34	2.34	1.11	98.89
#10	2.0000	4.25	6.59	3.12	96.88
#14	1.4000	6.68	13.27	6.28	93.72
#18	1.0000	15.37	28.64	13.54	86.46
#25	0.7100	38.61	67.25	31.80	68.20
#35	0.5000	45.79	113.04	53.46	46.54
#45	0.3550	31.27	144.31	68.24	31.76
#60	0.2500	15.73	160.04	75.68	24.32
#80	0.1800	10.67	170.71	80.73	19.27
#120	0.1250	5.73	176.44	83.44	16.56
#200	0.0750	20.27	196.71	93.02	6.98
Pan		1.86	211.89	100.00	0.00

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

