

# 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

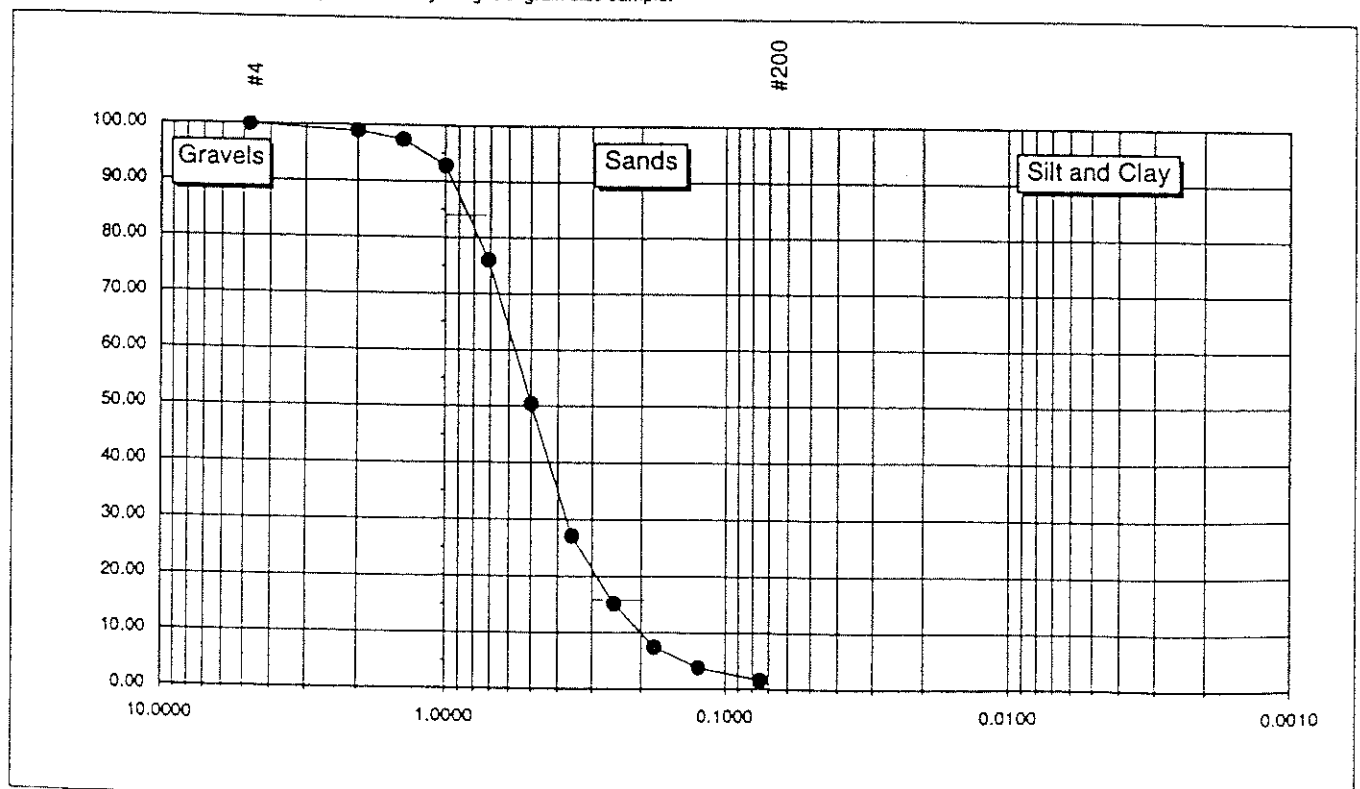
Location	Martin County
Boring No.	CBMC99-10
Sample No.	1
Depth of Sample (ft.):	31.5 - 32.0
Date of Testing:	17-Nov-99
Est. Percent Shell:	20%

Weight of Soil and Dish:	348.90
Dry Weight Soil and Dish:	282.71
Weight Dish:	76.65
Total Weight:	206.06
Weight Soil & Dish after Washing:	279.46
Weight of Oven Dry after Washing	202.81

10% Passing - D10	0.200
30% Passing - D30	0.370
60% Passing - D60	0.580
Coef. Of Uniformity - Cu	2.90
Coef. Of Curvature - Cc	1.18
Classification:	SP

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer Passing
#4	4.7500	0.20	0.20	0.10	99.90
#10	2.0000	2.04	2.24	1.09	98.91
#14	1.4000	3.06	5.30	2.57	97.43
#18	1.0000	9.58	14.88	7.22	92.78
#25	0.7100	34.63	49.51	24.03	75.97
#35	0.5000	52.75	102.26	49.63	50.37
#45	0.3550	48.07	150.33	72.95	27.05
#60	0.2500	24.60	174.93	84.89	15.11
#80	0.1800	15.76	190.69	92.54	7.46
#120	0.1250	7.48	198.17	96.17	3.83
#200	0.0750	4.65	202.82	98.43	1.57
Pan		0.20	206.27	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	Silty Sand
Reaction to HCL	Weak
Tested By:	MA

Location	Martin County
Boring No.	CBMC99-10
Sample No.	2
Depth of Sample (ft.):	37.4 - 37.9
Date of Testing:	17-Nov-99
Est. Percent Shell:	1-2%

Weight of Soil and Dish:	354.15
Dry Weight Soil and Dish:	299.19
Weight Dish:	86.80
Total Weight:	212.39
Weight Soil & Dish after Washing:	273.93
Weight of Oven Dry after Washing	187.13

10% Passing - D10	
30% Passing - D30	0.083
60% Passing - D60	0.110
Coef. Of Uniformity - Cu	#DIV/0!
Coef. Of Curvature - Cc	#DIV/0!
Classification:	SM

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer Passing
#4	4.7500	2.22	2.22	1.05	98.95
#10	2.0000	0.54	2.76	1.30	98.70
#14	1.4000	0.53	3.29	1.55	98.45
#18	1.0000	0.56	3.85	1.81	98.19
#25	0.7100	0.90	4.75	2.24	97.76
#35	0.5000	1.69	6.44	3.03	96.97
#45	0.3550	2.77	9.21	4.34	95.66
#60	0.2500	3.77	12.98	6.11	93.89
#80	0.1800	4.50	17.48	8.23	91.77
#120	0.1250	12.08	29.56	13.92	86.08
#200	0.0750	147.65	177.21	83.44	16.56
Pan		9.71	212.18	99.90	0.10

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

