

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	
Boring /	
Sample No.	
Depth of Sample (ft)	
Date of Test	
Est. Percent Shell:	

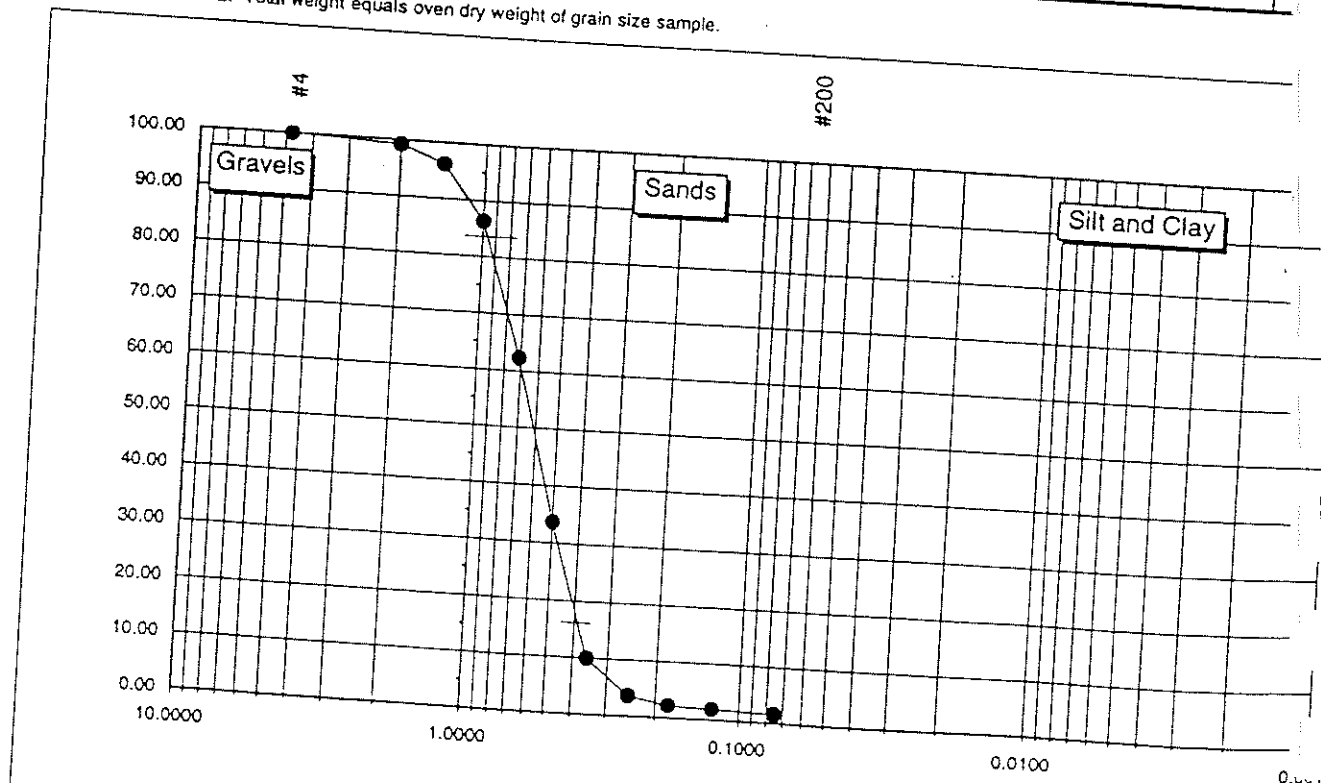
Weight of Soil and Dish:	360.96
Dry Weight Soil and Dish:	302.50
Weight Dish:	85.64
Total Weight:	216.86
Weight Soil & Dish after Washing:	298.84
Weight of Oven Dry after Washing	213.20

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

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained
#4	4.7500	0.06	0.06	0.03
#10	2.0000	1.68	1.74	0.80
#14	1.4000	6.60	8.34	3.85
#18	1.0000	21.38	29.72	13.70
#25	0.7100	52.14	81.86	37.75
#35	0.5000	62.03	143.89	66.35
#45	0.3550	51.43	195.32	90.07
#60	0.2500	13.60	208.92	96.34
#80	0.1800	3.30	212.22	97.86
#120	0.1250	0.58	212.80	98.13
#200	0.0750	0.61	213.41	98.41
Pan		0.07	217.14	100.00

Notes:

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



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Visual Description of Soil	Poorly Graded Sand
Reaction to HCL	Strong
Tested By:	MA

Location	Martin Count
Boring No.	CBMC99-4
Sample No.	2
Depth of Sample (ft.):	28.0 - 28.5
Date of Testing:	15-Nov-99
Est. Percent Shell:	33%

Weight of Soil and Dish:	328.46
Dry Weight Soil and Dish:	275.15
Weight Dish:	76.09
Total Weight:	199.06
Weight Soil & Dish after Washing:	270.95
Weight of Oven Dry after Washing	194.86

10% Passing - D10	0.200
30% Passing - D30	0.350
60% Passing - D60	0.700
Coef. Of Uniformity - Cu	3.50
Coef. Of Curvature - Cc	0.88
Classification:	SP

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer Passing
#4	4.7500	0.55	0.55	0.28	99.72
#10	2.0000	4.30	4.85	2.44	97.56
#14	1.4000	12.00	16.85	8.46	91.54
#18	1.0000	26.20	43.05	21.63	78.37
#25	0.7100	36.10	79.15	39.76	60.24
#35	0.5000	34.05	113.20	56.87	43.13
#45	0.3550	27.55	140.75	70.71	29.29
#60	0.2500	25.30	166.05	83.42	16.58
#80	0.1800	21.30	187.35	94.12	5.88
#120	0.1250	4.05	191.40	96.15	3.85
#200	0.0750	2.50	193.90	97.41	2.59
Pan		0.20	198.30	99.62	0.38

Notes:

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

