

# 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

Sample
Depth of Sample
Date of Test
Est. Percent

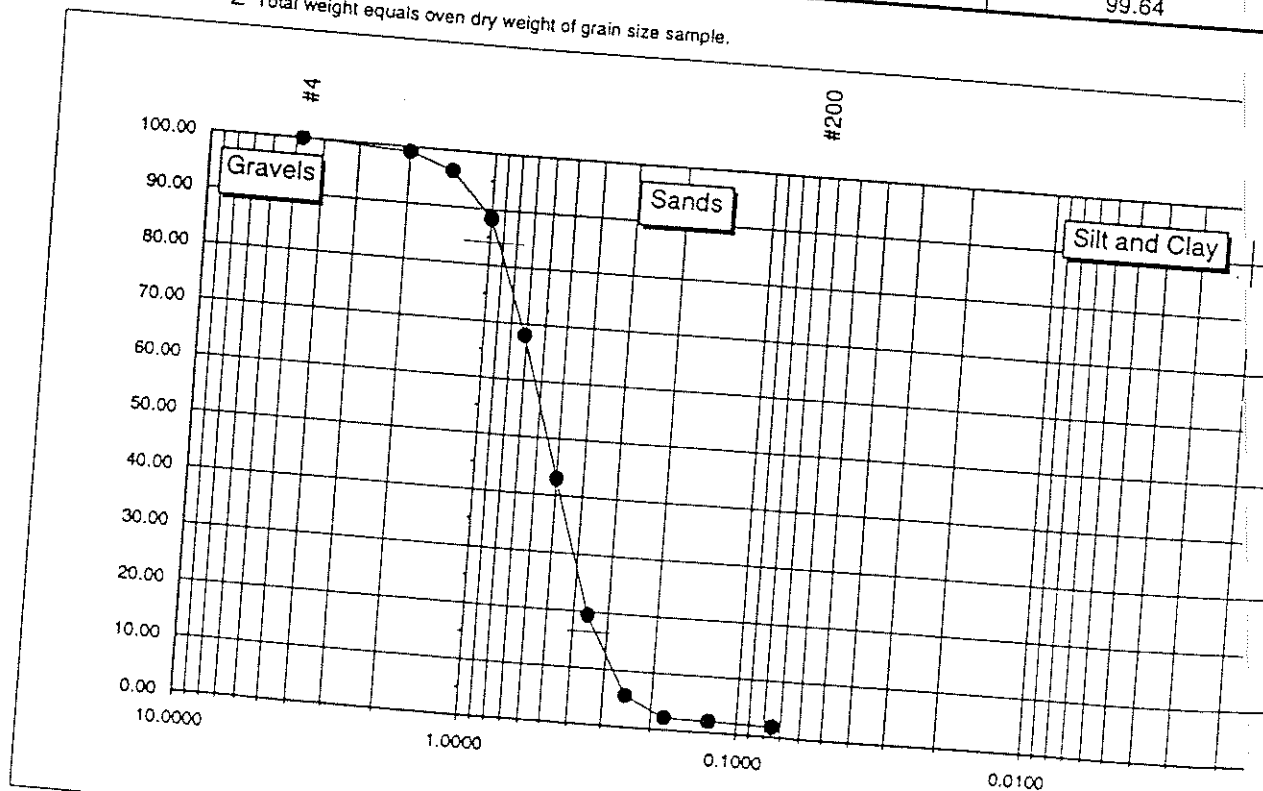
Weight of Soil and Dish:	337.95
Dry Weight Soil and Dish:	278.55
Weight Dish:	91.27
Total Weight:	187.28
Weight Soil & Dish after Washing:	275.85
Weight of Oven Dry after Washing	184.58

10% Passing - D <sub>10</sub>
30% Passing - D <sub>30</sub>
60% Passing - D <sub>60</sub>
Coef. Of Uniformity
Coef. Of Curvature
Classification:

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained
#4	4.7500	0.05	0.05	0.03
#10	2.0000	1.65	1.70	0.91
#14	1.4000	5.10	6.80	3.63
#18	1.0000	15.05	21.85	11.67
#25	0.7100	38.15	60.00	32.04
#35	0.5000	46.90	106.90	57.08
#45	0.3550	44.20	151.10	80.68
#60	0.2500	25.60	176.70	94.35
#80	0.1800	6.55	183.25	97.85
#120	0.1250	0.35	183.60	98.04
#200	0.0750	0.25	183.85	98.17
Pan		0.05	186.60	99.64

Notes:

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



# Grain Size Analysis - Mechanical

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Laboratory Name	Dames & Moore - Atlanta
Visual Description of Soil	Poorly Graded Sand
Reaction to HCL	Strong
Tested By:	MA

Location
Boring No.
Sample No.
Depth of Sample (ft.):
Date of Testing:
Est. Percent Shell:

Weight of Soil and Dish:	355.58
Dry Weight Soil and Dish:	298.15
Weight Dish:	91.28
Total Weight:	206.87
Weight Soil & Dish after Washing:	292.50
Weight of Oven Dry after Washing	201.22

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	F
#4	4.7500	0.45	0.45	0.22	
#10	2.0000	2.65	3.10	1.50	
#14	1.4000	10.15	13.25	6.40	
#18	1.0000	25.25	38.50	18.61	
#25	0.7100	51.15	89.65	43.34	
#35	0.5000	49.15	138.80	67.10	
#45	0.3550	36.35	175.15	84.67	
#60	0.2500	14.70	189.85	91.77	
#80	0.1800	6.90	196.75	95.11	
#120	0.1250	1.80	198.55	95.98	
#200	0.0750	1.50	200.05	96.70	
Pan		0.05	205.75	99.46	

Notes:

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

