

# 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                       
 Date of Test                       
 Est. Percent Shell                     

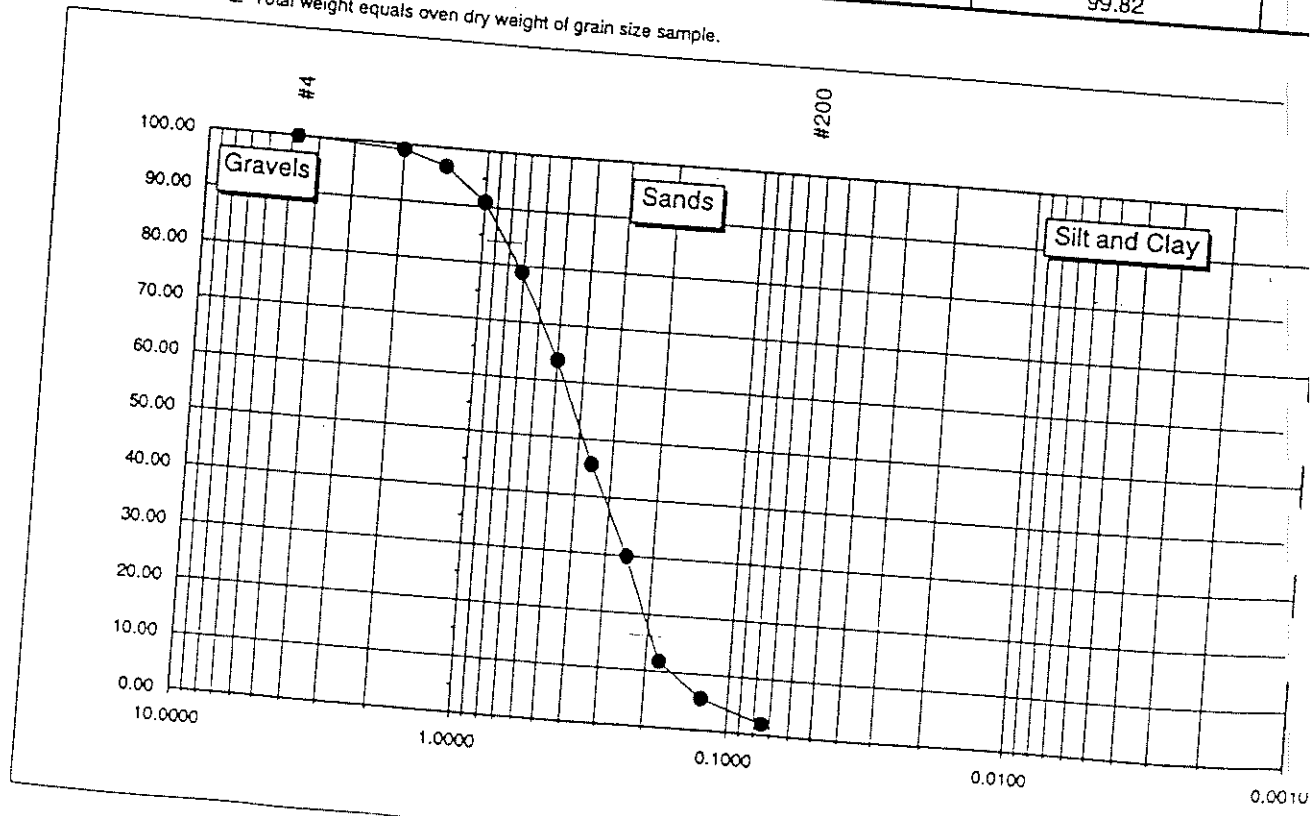
Weight of Soil and Dish: 355.72  
 Dry Weight Soil and Dish: 300.95  
 Weight Dish: 76.35  
 Total Weight: 224.60  
 Weight Soil & Dish after Washing: 297.35  
 Weight of Oven Dry after Washing: 221.00

10% Passing - D10                       
 30% Passing - D30                       
 60% Passing - D60                       
 Coef. Of Uniformity - C<sub>u</sub>                       
 Coef. Of Curvature - C<sub>c</sub>                       
 Classification:                     

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained
#4	4.7500	0.15	0.15	0.07
#10	2.0000	2.00	2.15	0.96
#14	1.4000	5.30	7.45	3.32
#18	1.0000	13.20	20.65	9.19
#25	0.7100	26.95	47.60	21.19
#35	0.5000	34.05	81.65	36.35
#45	0.3550	40.55	122.20	54.41
#60	0.2500	35.35	157.55	70.15
#80	0.1800	40.65	198.20	88.25
#120	0.1250	13.60	211.80	94.30
#200	0.0750	8.50	220.30	98.09
Pan		0.30	224.20	99.82

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	Weak
Tested By:	MA

Location	Ma
Boring No.	C
Sample No.	
Depth of Sample (ft.):	3
Date of Testing:	1
Est. Percent Shell:	

Weight of Soil and Dish:	354.76
Dry Weight Soil and Dish:	300.35
Weight Dish:	86.34
Total Weight:	214.01
Weight Soil & Dish after Washing:	287.50
Weight of Oven Dry after Washing	201.16

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

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cur P Finer
#4	4.7500	0.05	0.05	0.02	9
#10	2.0000	1.10	1.15	0.54	9
#14	1.4000	2.55	3.70	1.73	9
#18	1.0000	5.35	9.05	4.23	9
#25	0.7100	10.05	19.10	8.92	9
#35	0.5000	14.10	33.20	15.51	8
#45	0.3550	8.20	41.40	19.34	80
#60	0.2500	8.35	49.75	23.25	76
#80	0.1800	6.70	56.45	26.38	73
#120	0.1250	25.35	81.80	38.22	61
#200	0.0750	113.30	195.10	91.16	8
Pan		4.80	212.75	99.41	0

Notes:

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

