

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

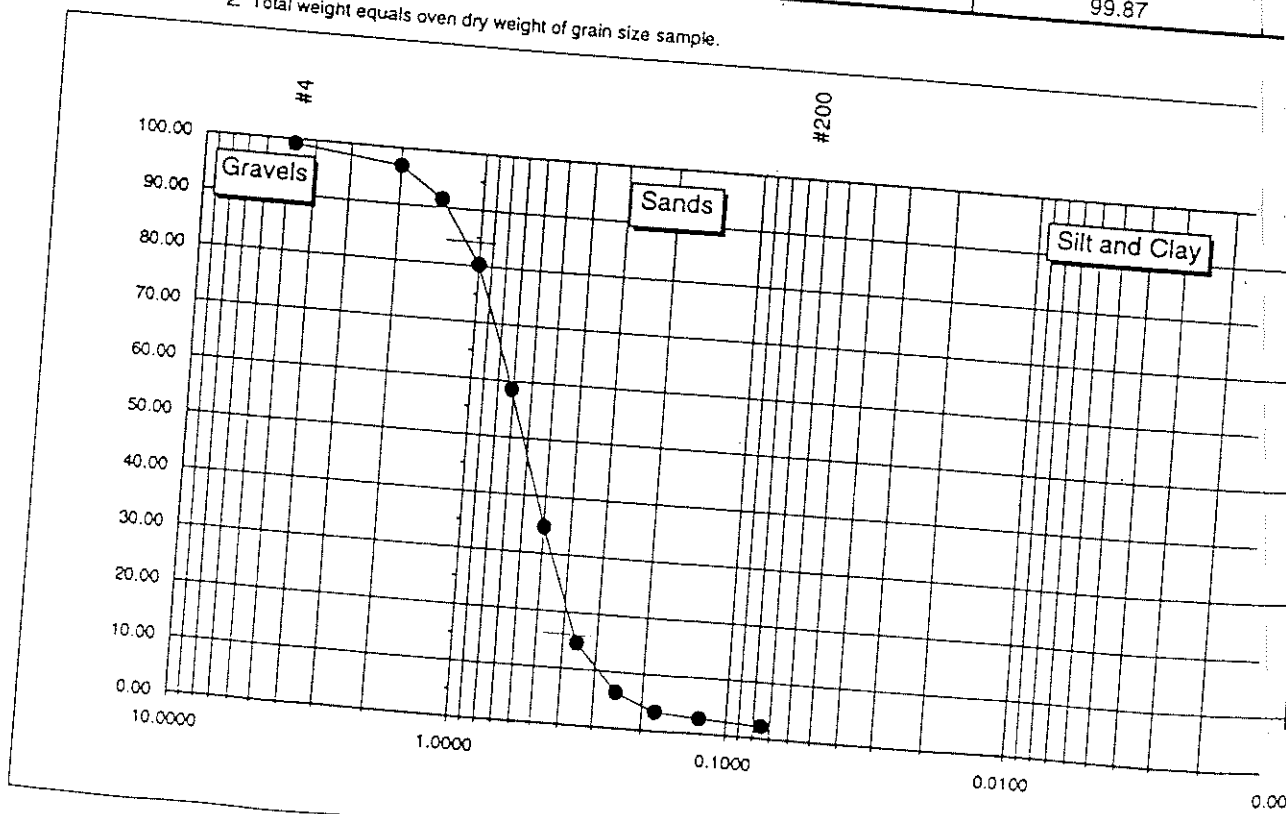
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 Sample
 Depth of Samp
 Date of Te
 Est. Percent St

Weight of Soil and Dish: 334.56
 Dry Weight Soil and Dish: 286.10
 Weight Dish: 86.65
 Total Weight: 199.45
 Weight Soil & Dish after Washing: 282.25
 Weight of Oven Dry after Washing: 195.60

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

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained
#4	4.7500	1.65	1.65	0.83
#10	2.0000	4.70	6.35	3.18
#14	1.4000	10.75	17.10	8.57
#25	1.0000	22.25	39.35	19.73
#35	0.7100	43.35	82.70	41.46
#45	0.5000	47.65	130.35	65.35
#60	0.3550	40.05	170.40	85.43
#80	0.2500	16.30	186.70	93.61
#120	0.1800	5.95	192.65	96.59
#200	0.1250	1.45	194.10	97.32
Pan	0.0750	1.20	195.30	97.92
		0.05	199.20	99.87

- 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	Silty 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:	351.09
Dry Weight Soil and Dish:	296.00
Weight Dish:	86.68
Total Weight:	209.32
Weight Soil & Dish after Washing:	277.30
Weight of Oven Dry after Washing	190.62

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	Cu P Fine
#4	4.7500	0.35	0.35	0.17	
#10	2.0000	0.30	0.65	0.31	
#14	1.4000	0.80	1.45	0.69	
#18	1.0000	2.25	3.70	1.77	
#25	0.7100	5.95	9.65	4.61	
#35	0.5000	12.10	21.75	10.39	
#45	0.3550	3.10	24.85	11.87	
#60	0.2500	5.30	30.15	14.40	
#80	0.1800	5.65	35.80	17.10	
#120	0.1250	18.20	54.00	25.80	
#200	0.0750	129.55	183.55	87.69	
Pan		5.25	207.50	99.13	

Notes:

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

