

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
Boring No.	CBM
Sample No.	1
Depth of Sample (ft.):	26.0
Date of Testing:	15-N
Est. Percent Shell:	25%

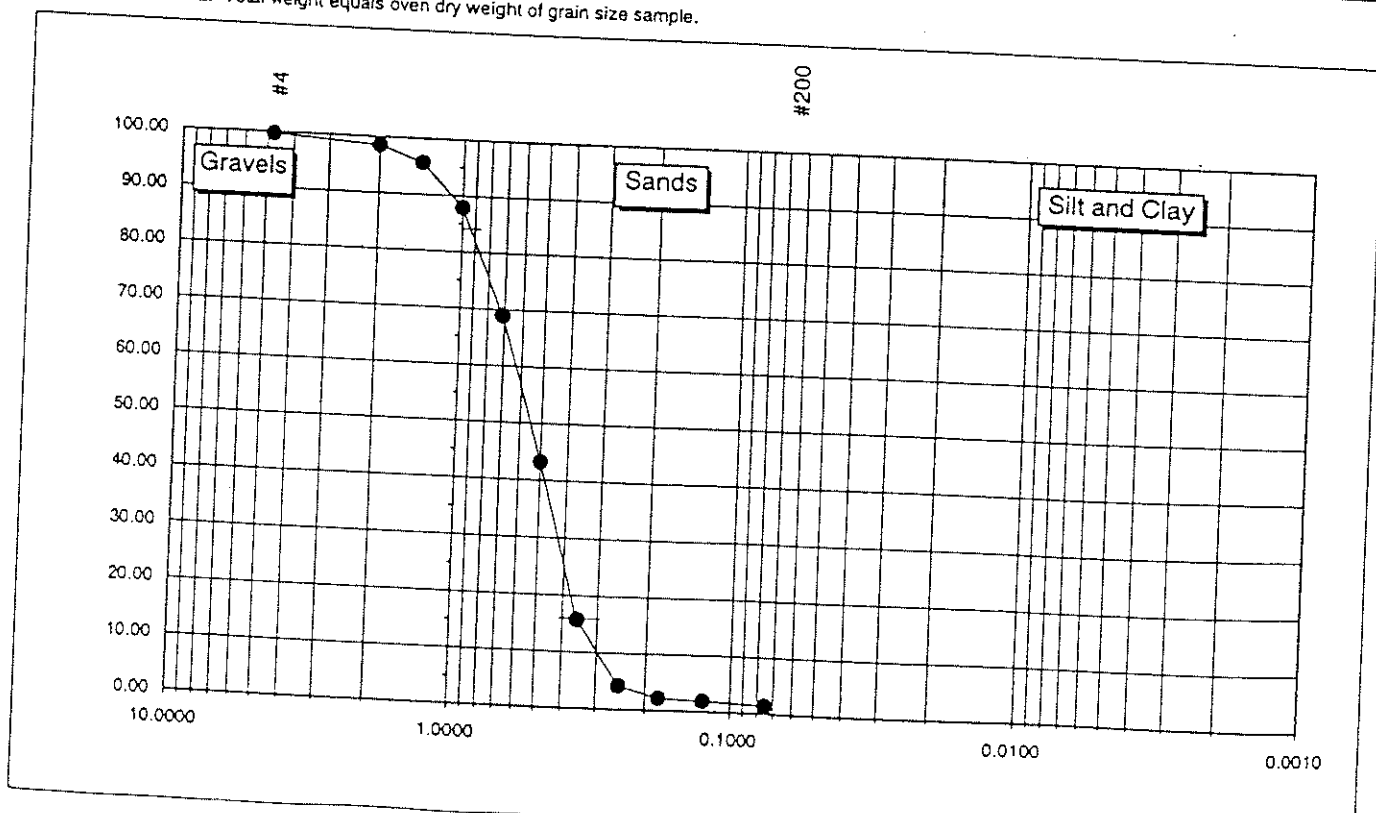
Weight of Soil and Dish:	351.13
Dry Weight Soil and Dish:	287.90
Weight Dish:	85.26
Total Weight:	202.64
Weight Soil & Dish after Washing:	285.55
Weight of Oven Dry after Washing	200.29

10% Passing - D10	0.30
30% Passing - D30	0.42
60% Passing - D60	0.62
Coef. Of Uniformity - Cu	2.1
Coef. Of Curvature - Cc	0.5
Classification:	SP

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer
#4	4.7500	0.60	0.60	0.30	99.70
#10	2.0000	2.50	3.10	1.53	98.47
#14	1.4000	5.70	8.80	4.34	95.66
#18	1.0000	15.75	24.55	12.12	87.80
#25	0.7100	38.50	63.05	31.11	68.89
#35	0.5000	52.15	115.20	56.85	43.11
#45	0.3550	55.50	170.70	84.24	15.76
#60	0.2500	23.45	194.15	95.81	4.19
#80	0.1800	4.05	198.20	97.81	2.19
#120	0.1250	0.60	198.80	98.11	1.89
#200	0.0750	0.95	199.75	98.57	1.43
Pan		0.05	200.15	99.76	0.24

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	Well Graded Sand
Reaction to HCL	Strong
Tested By:	MA

Location	Martin
Boring No.	CBM
Sample No.	
Depth of Sample (ft.):	30.0
Date of Testing:	15-N
Est. Percent Shell:	25

Weight of Soil and Dish:	349.87
Dry Weight Soil and Dish:	295.45
Weight Dish:	86.63
Total Weight:	208.82
Weight Soil & Dish after Washing:	288.45
Weight of Oven Dry after Washing	201.82

10% Passing - D10	0.2
30% Passing - D30	0.3
60% Passing - D60	0.6
Coef. Of Uniformity - Cu	3.2
Coef. Of Curvature - Cc	1.1
Classification:	SV

Sieve No.	Size (mm)	Individual Weight Retained	Cumulative Weight Retained	Cumulative Percent Retained	Cumulative Percent Finer
#4	4.7500	1.15	1.15	0.55	99.45
#10	2.0000	3.85	5.00	2.39	97.61
#14	1.4000	10.30	15.30	7.33	92.67
#18	1.0000	22.00	37.30	17.86	82.14
#25	0.7100	35.70	73.00	34.96	65.04
#35	0.5000	41.00	114.00	54.59	45.41
#45	0.3550	38.90	152.90	73.22	26.78
#60	0.2500	24.25	177.15	84.83	15.17
#80	0.1800	14.30	191.45	91.68	8.32
#120	0.1250	4.75	196.20	93.96	6.04
#200	0.0750	5.00	201.20	96.35	3.65
Pan		0.25	208.45	99.82	0.18

Notes:

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

