

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: | |

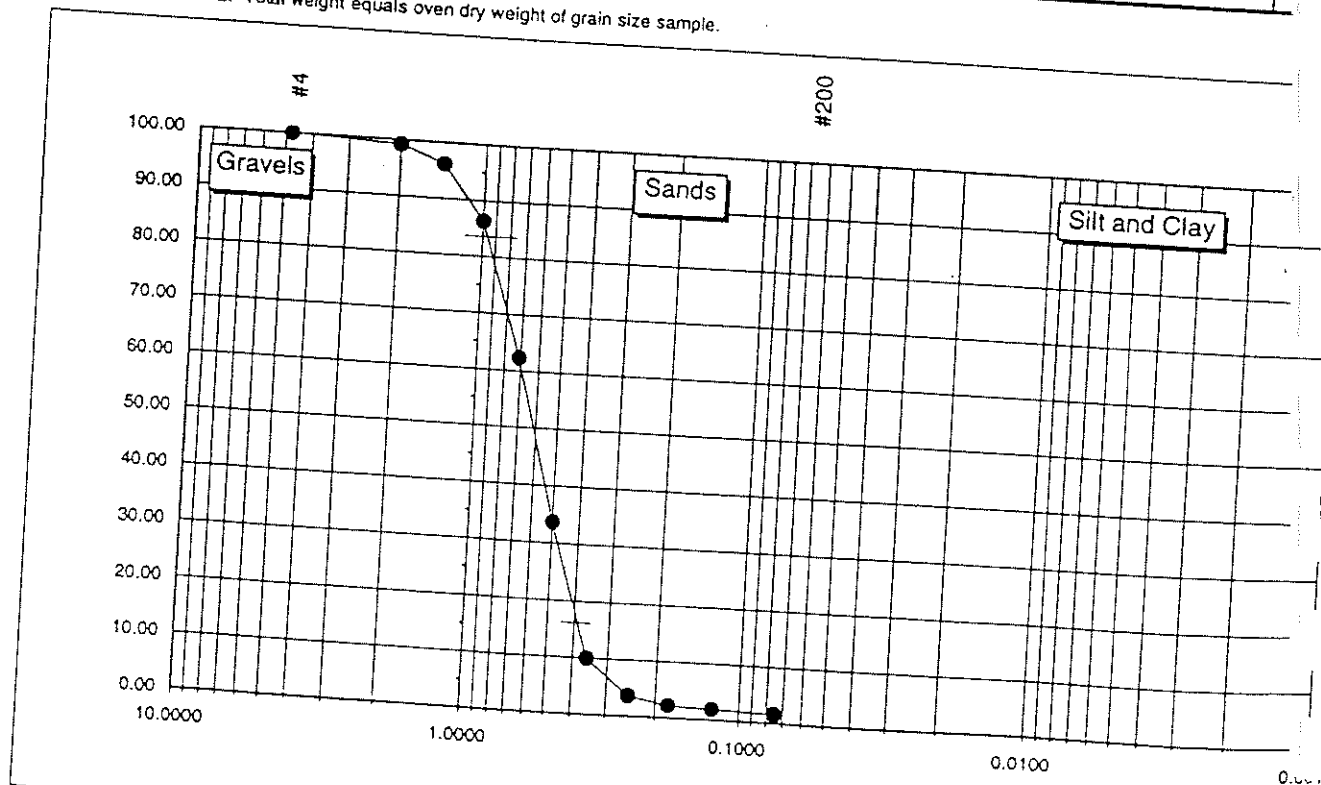
| | |
|-----------------------------------|--------|
| Weight of Soil and Dish: | 360.96 |
| Dry Weight Soil and Dish: | 302.50 |
| Weight Dish: | 85.64 |
| Total Weight: | 216.86 |
| Weight Soil & Dish after Washing: | 298.84 |
| Weight of Oven Dry after Washing | 213.20 |

| | |
|--------------------------|--|
| 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.



Grain Size Analysis - Mechanical

| | |
|----------------------------|------------------------------|
| Project | USACE- Jacksonville District |
| Laboratory Name | Dames & Moore - Allanta |
| 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.

