

Sediment Analysis Data Sheet

Sample A-10-7.0

| Sieve | Size (mm) | Phi size | Wt | Wt % | Cuml % | Folk | Statistics phi | mm |
|-------|--------------|-------------|--------|---------|-----------|---------|-------------------|-------|
| | 16.00 | -4.00 | 0.00 | 0.00 | 0.00 | | | |
| | 11.31 | -3.50 | 0.00 | 0.00 | 0.00 | | | |
| | 8.00 | -3.00 | 0.00 | 0.00 | 0.00 | | | |
| | 5.66 | -2.50 | 1.08 | 3.24 | 3.24 | 5% : | -1.73 | 3.31 |
| 5 | 4.00 | -2.00 | 0.37 | 1.11 | 4.35 | 16% : | 0.43 | 0.74 |
| 7 | 2.83 | -1.50 | 0.40 | 1.20 | 5.55 | 25% : | 1.56 | 0.34 |
| 10 | 2.00 | -1.00 | 0.60 | 1.78 | 7.33 | 50% : | 2.63 | 0.16 |
| 14 | 1.41 | -0.50 | 0.91 | 2.73 | 10.05 | 75% : | 2.92 | 0.13 |
| 18 | 1.00 | 0.00 | 0.90 | 2.70 | 12.76 | 84% : | 3.07 | 0.12 |
| 25 | 0.71 | 0.50 | 1.25 | 3.75 | 16.50 | 95% : | 3.43 | 0.09 |
| 35 | 0.50 | 1.00 | 1.72 | 5.16 | 21.66 | | | |
| 45 | 0.35 | 1.50 | 1.02 | 3.04 | 24.70 | Med. | 2.63 | 0.16 |
| 60 | 0.25 | 2.00 | 0.80 | 2.40 | 27.10 | Mean | 2.05 | 0.24 |
| 80 | 0.18 | 2.50 | 3.81 | 11.40 | 38.51 | St Dev. | 1.44 | |
| 120 | 0.13 | 3.00 | 14.41 | 43.15 | 81.65 | Skew | -0.68 | |
| 170 | 0.09 | 3.50 | 5.24 | 15.69 | 97.34 | Kurt. | 1.55 | |
| 200 | 0.07 | 3.75 | 0.37 | 1.09 | 98.43 | | | |
| Pan | | | 0.02 | 0.07 | 98.50 | | | |
| Total | | | 32.89 | 98.50 | 98.50 | | | |
| | | | | | | Moment | Statistics | |
| | | | | | | | Phi | mm |
| Cu = | 1.68 | | Gravel | 4 | % | Mean | 1.97 | 0.26 |
| | | | Coarse | Sand | 4 | % | St. Dev. | 1.55 |
| | | | Med. | Sand | 16 | % | Skewness | -1.62 |
| Cc = | 1.04 | | Fine | Sand | 75 | % | Kurtosis | 4.73 |

SEA, INC.

HYDROMETER

U.S. STANDARD SIEVE NUMBERS

U.S. STANDARD SIEVE OPENING IN INCHES

200
120
60
35
18
10
5
1/2
1
2
4

100
90
80
70
60
50
40
30
20
10
0

0
10
20
30
40
50
60
70
80
90
100

PERCENT FINER BY WEIGHT

PERCENT COARSER BY WEIGHT

1000 500 100 50 10 5 1 0.5 0.1 0.05 0.01 0.001

GRAIN SIZE IN MILLIMETERS

PHI -6.0 -5.0 -4.0 -3.0 -2.0 -1.0 -0.0 1.0 2.0 3.0 4.0 5.0

COBBLES GRAVEL SAND SILT OR CLAY

COARSE FINE COARSE MEDIUM FINE

SAMPLE NO. ELEV. CLASSIFICATION

7.0' -14.2' MLLW Fine sand (SP)

PROJECT Amelia Island Stabilization Project

AREA Amelia Island, Georgia

BORING NO. A-10

DATE June 2001