

Sediment Analysis Data Sheet

Sample IR-S-13-0.5

| 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 | 0.02 | 0.08 | 0.08 | 5% : | -0.57 1.49 |
| 5 | 4.00 | -2.00 | 0.00 | 0.00 | 0.08 | 16% : | 0.16 0.89 |
| 7 | 2.83 | -1.50 | 0.13 | 0.67 | 0.75 | 25% : | 0.57 0.67 |
| 10 | 2.00 | -1.00 | 0.24 | 1.24 | 1.99 | 50% : | 1.23 0.43 |
| 14 | 1.41 | -0.50 | 0.69 | 3.54 | 5.53 | 75% : | 1.67 0.31 |
| 18 | 1.00 | 0.00 | 1.41 | 7.18 | 12.71 | 84% : | 1.81 0.28 |
| 25 | 0.71 | 0.50 | 1.98 | 10.12 | 22.83 | 95% : | 1.99 0.25 |
| 35 | 0.50 | 1.00 | 2.98 | 15.21 | 38.04 | | |
| 45 | 0.35 | 1.50 | 5.15 | 26.29 | 64.34 | Med. | 1.23 0.43 |
| 60 | 0.25 | 2.00 | 6.18 | 31.57 | 95.91 | Mean | 0.92 0.53 |
| 80 | 0.18 | 2.50 | 0.69 | 3.51 | 99.41 | St Dev. | 0.80 |
| 120 | 0.13 | 3.00 | 0.08 | 0.39 | 99.80 | Skew | -0.35 |
| 170 | 0.09 | 3.50 | 0.01 | 0.06 | 99.86 | Kurt. | 0.96 |
| 200 | 0.07 | 3.75 | 0.01 | 0.04 | 99.90 | | |
| Pan | | | 0.00 | 0.00 | 99.90 | | |
| Total | | | 19.55 | 99.90 | 99.90 | | |
| | | | | | | Moment | Statistics |
| | | | | | | | Phi mm |
| Cu = | 1.83 | | Gravel | | 0 % | Mean | 1.28 0.41 |
| | | | Coarse | Sand | 2 % | St. Dev. | 0.86 0.55 |
| | | | Med. | Sand | 49 % | Skewness | -1.13 |
| Cc = | 0.85 | | Fine | Sand | 49 % | Kurtosis | 4.30 |

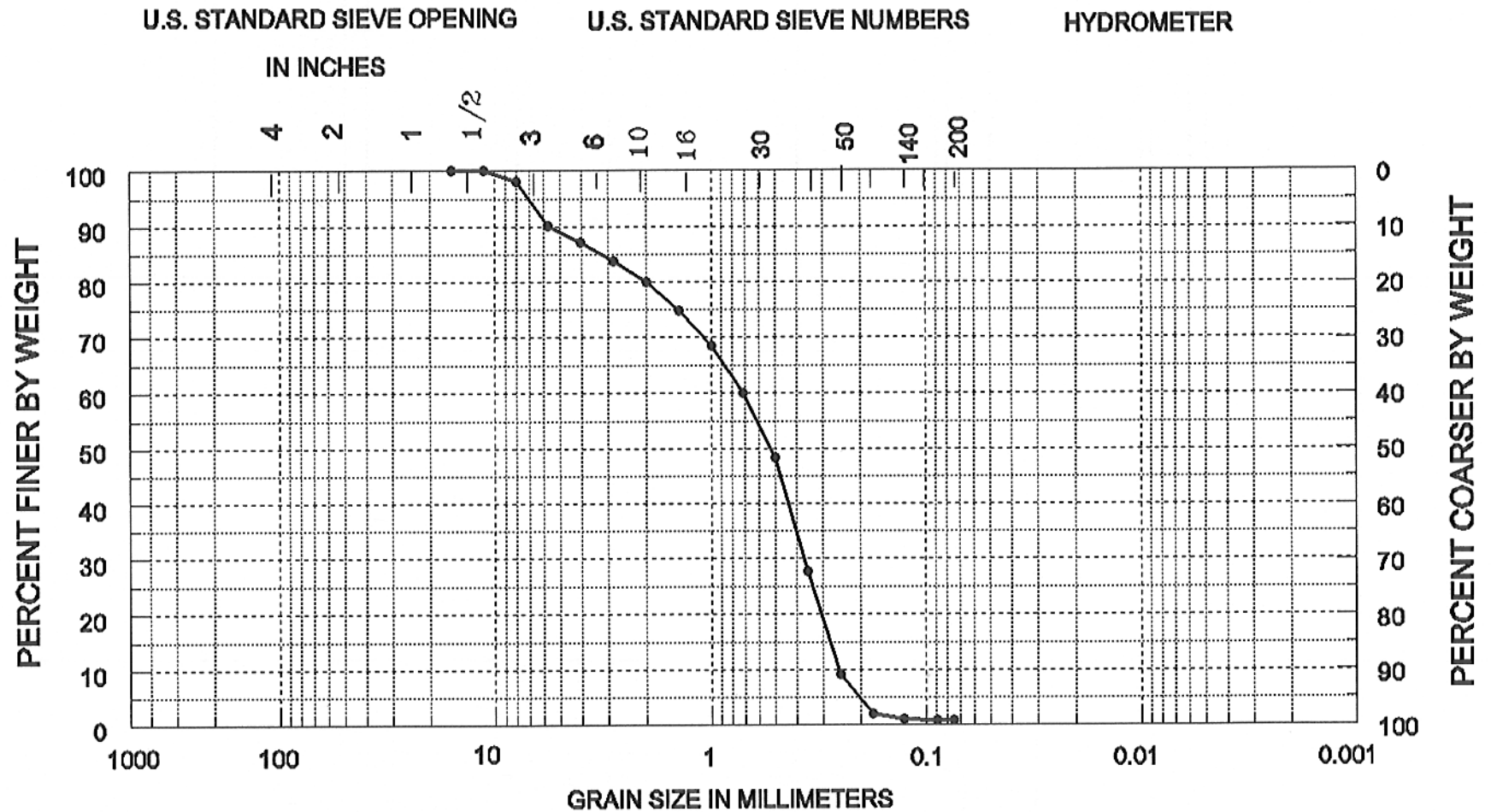
SEA, INC.

Sediment Analysis Data Sheet

Sample IR-S-13-4.0

| 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 | 0.51 | 1.95 | 1.95 | | |
| | 5.66 | -2.50 | 2.10 | 8.00 | 9.95 | 5% : | -2.81 7.01 |
| 5 | 4.00 | -2.00 | 0.79 | 2.99 | 12.94 | 16% : | -1.54 2.91 |
| 7 | 2.83 | -1.50 | 0.88 | 3.35 | 16.29 | 25% : | -0.51 1.43 |
| 10 | 2.00 | -1.00 | 0.99 | 3.77 | 20.06 | 50% : | 0.93 0.53 |
| 14 | 1.41 | -0.50 | 1.33 | 5.07 | 25.13 | 75% : | 1.57 0.34 |
| 18 | 1.00 | 0.00 | 1.65 | 6.28 | 31.41 | 84% : | 1.82 0.28 |
| 25 | 0.71 | 0.50 | 2.24 | 8.56 | 39.97 | 95% : | 2.29 0.20 |
| 35 | 0.50 | 1.00 | 3.07 | 11.73 | 51.70 | | |
| 45 | 0.35 | 1.50 | 5.40 | 20.61 | 72.31 | Med. | 0.93 0.53 |
| 60 | 0.25 | 2.00 | 4.85 | 18.49 | 90.80 | Mean | 0.14 0.91 |
| 80 | 0.18 | 2.50 | 1.88 | 7.15 | 97.95 | St Dev. | 1.61 |
| 120 | 0.13 | 3.00 | 0.26 | 1.00 | 98.95 | Skew | -0.47 |
| 170 | 0.09 | 3.50 | 0.07 | 0.26 | 99.20 | Kurt. | 1.00 |
| 200 | 0.07 | 3.75 | 0.02 | 0.08 | 99.28 | | |
| Pan | | | 0.00 | 0.02 | 99.30 | | |
| Total | | | 26.03 | 99.30 | 99.30 | | |
| | | | | | | Moment | Statistics |
| | | | | | | | Phi mm |
| Cu = | 2.78 | | Gravel | | 11 % | Mean | 0.57 0.67 |
| | | | Coarse Sand | | 9 % | St. Dev. | 1.66 0.32 |
| | | | Med. Sand | | 42 % | Skewness | -0.87 |
| Cc = | 0.75 | | Fine Sand | | 37 % | Kurtosis | 2.60 |

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| COBBLES | GRAVEL | | SAND | | | SILT OR CLAY |
|---------|--------|------|--------|--------|------|--------------|
| | COARSE | FINE | COARSE | MEDIUM | FINE | |

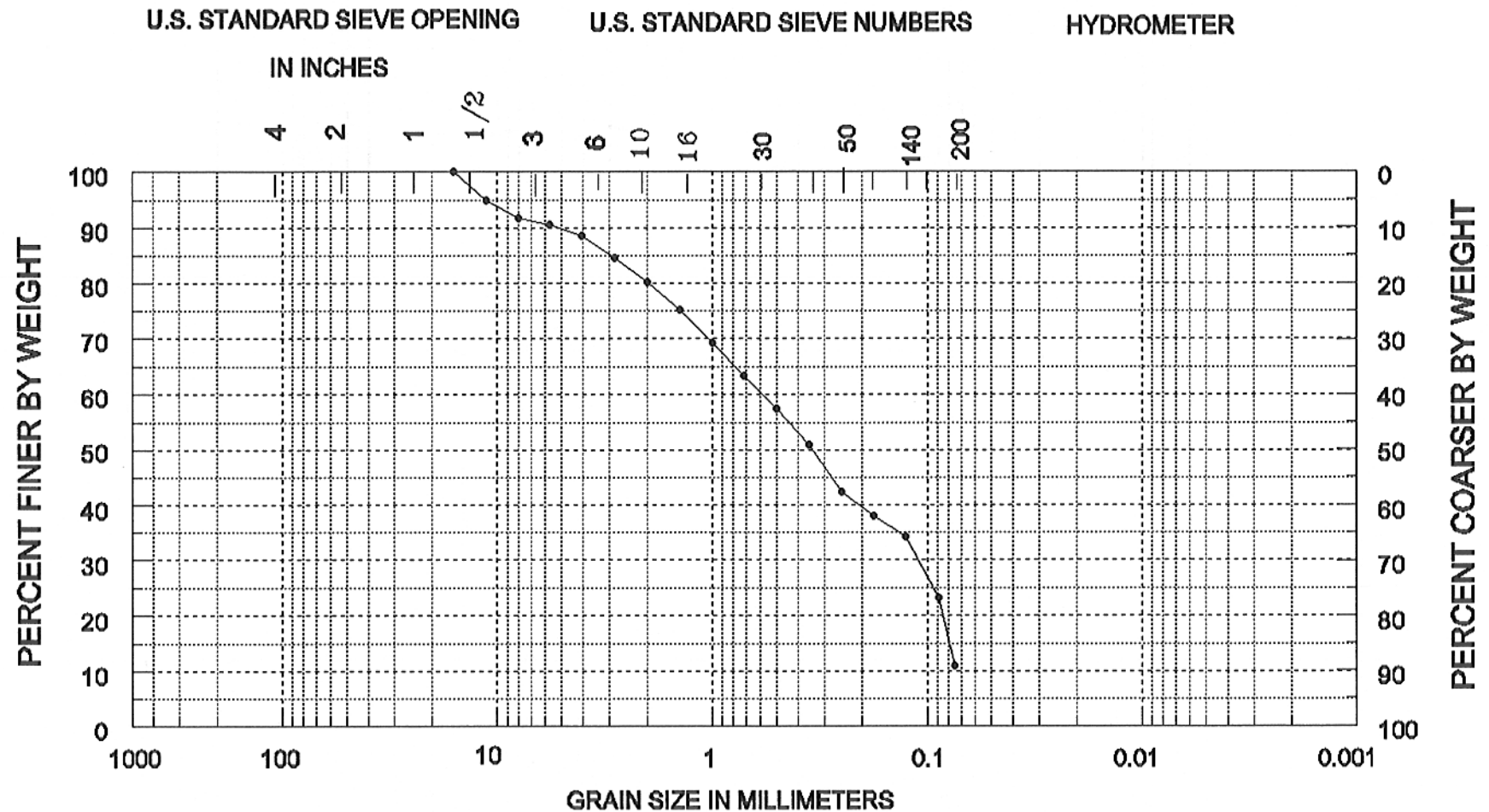
| SAMPLE NO. | ELEV. | CLASSIFICATION | PROJECT Indian River County-ATM |
|------------|-------|--------------------------|---------------------------------|
| 4.0 | -28.5 | Medium to fine sand (SP) | AREA Indian River County |
| | | | BORING NO. IR-S-13 |
| | | | DATE June,1999 |

Sediment Analysis Data Sheet

Sample IR-S-13-8.0

| 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 | 1.03 | 5.13 | 5.13 | | |
| | 8.00 | -3.00 | 0.66 | 3.27 | 8.39 | | |
| | 5.66 | -2.50 | 0.24 | 1.19 | 9.58 | 5% : | -3.51 11.41 |
| 5 | 4.00 | -2.00 | 0.38 | 1.90 | 11.48 | 16% : | -1.44 2.71 |
| 7 | 2.83 | -1.50 | 0.81 | 4.02 | 15.50 | 25% : | -0.47 1.39 |
| 10 | 2.00 | -1.00 | 0.85 | 4.22 | 19.72 | 50% : | 1.56 0.34 |
| 14 | 1.41 | -0.50 | 1.00 | 4.95 | 24.66 | 75% : | 3.41 0.09 |
| 18 | 1.00 | 0.00 | 1.21 | 6.00 | 30.66 | 84% : | 3.54 0.09 |
| 25 | 0.71 | 0.50 | 1.18 | 5.89 | 36.55 | 95% : | 3.80 0.07 |
| 35 | 0.50 | 1.00 | 1.20 | 5.97 | 42.52 | | |
| 45 | 0.35 | 1.50 | 1.31 | 6.52 | 49.04 | Med. | 1.56 0.34 |
| 60 | 0.25 | 2.00 | 1.71 | 8.52 | 57.56 | Mean | 0.79 0.58 |
| 80 | 0.18 | 2.50 | 0.89 | 4.44 | 62.00 | St Dev. | 2.35 |
| 120 | 0.13 | 3.00 | 0.76 | 3.78 | 65.78 | Skew | -0.29 |
| 170 | 0.09 | 3.50 | 2.24 | 11.15 | 76.93 | Kurt. | 0.77 |
| 200 | 0.07 | 3.75 | 2.44 | 12.13 | 89.06 | | |
| Pan | | | 0.09 | 0.44 | 89.50 | | |
| Total | | | 18.00 | 89.50 | 89.50 | | |
| | | | | | | Moment | Statistics |
| | | | | | | | Phi mm |
| Cu = | 0.58 | | Gravel | | 11 % | Mean | 1.00 0.50 |
| | | | Coarse Sand | | 9 % | St. Dev. | 2.32 0.20 |
| | | | Med. Sand | | 26 % | Skewness | -0.54 |
| Cc = | 0.02 | | Fine Sand | | 43 % | Kurtosis | 2.20 |

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| COBBLES | GRAVEL | | SAND | | | SILT OR CLAY |
|---------|--------|------|--------|--------|------|--------------|
| | COARSE | FINE | COARSE | MEDIUM | FINE | |

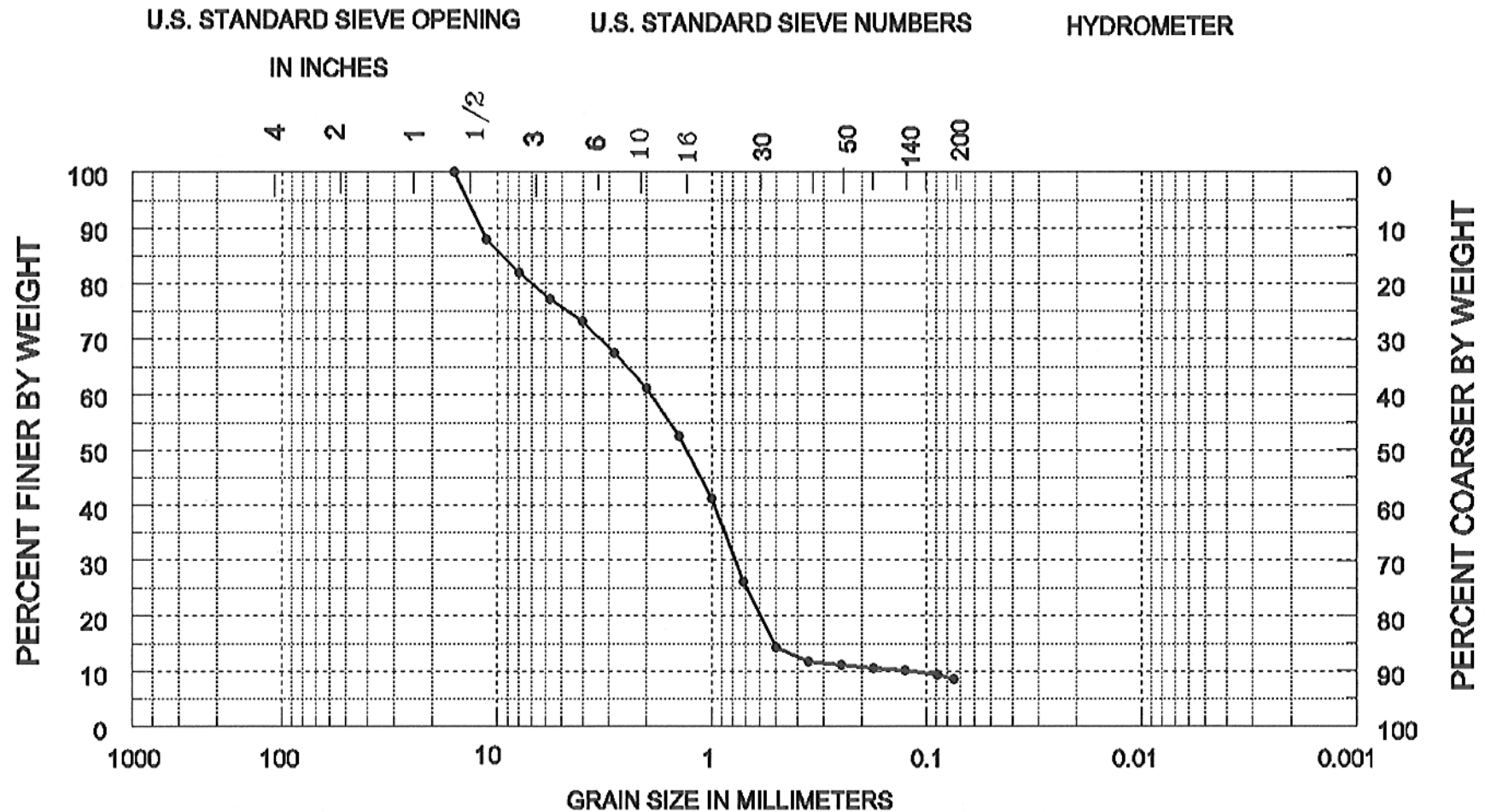
| SAMPLE NO. | ELEV. | CLASSIFICATION | PROJECT Indian River County-ATM |
|------------|-------|--------------------------|---------------------------------|
| 8.0 | -32.5 | Medium to fine sand (SP) | AREA Indian River County |
| | | | BORING NO. IR-S-13 |
| | | | DATE June, 1999 |

Sediment Analysis Data Sheet

Sample IR-S-13-13.0

| 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 | 2.36 | 12.13 | 12.13 | | |
| | 8.00 | -3.00 | 1.15 | 5.91 | 18.04 | | |
| | 5.66 | -2.50 | 0.91 | 4.69 | 22.73 | 5% : | -3.79 13.87 |
| 5 | 4.00 | -2.00 | 0.79 | 4.06 | 26.79 | 16% : | -3.17 9.02 |
| 7 | 2.83 | -1.50 | 1.10 | 5.68 | 32.47 | 25% : | -2.22 4.66 |
| 10 | 2.00 | -1.00 | 1.22 | 6.30 | 38.77 | 50% : | -0.39 1.31 |
| 14 | 1.41 | -0.50 | 1.69 | 8.72 | 47.49 | 75% : | 0.55 0.68 |
| 18 | 1.00 | 0.00 | 2.20 | 11.35 | 58.84 | 84% : | 0.93 0.53 |
| 25 | 0.71 | 0.50 | 2.91 | 15.00 | 73.84 | 95% : | 3.90 0.07 |
| 35 | 0.50 | 1.00 | 2.30 | 11.83 | 85.67 | | |
| 45 | 0.35 | 1.50 | 0.50 | 2.55 | 88.22 | Med. | -0.39 1.31 |
| 60 | 0.25 | 2.00 | 0.13 | 0.68 | 88.91 | Mean | -0.51 1.42 |
| 80 | 0.18 | 2.50 | 0.10 | 0.51 | 89.42 | St Dev. | 2.19 |
| 120 | 0.13 | 3.00 | 0.10 | 0.53 | 89.95 | Skew | -0.12 |
| 170 | 0.09 | 3.50 | 0.14 | 0.73 | 90.68 | Kurt. | 1.14 |
| 200 | 0.07 | 3.75 | 0.14 | 0.74 | 91.41 | | |
| Pan | | | 0.25 | 1.29 | 92.70 | | |
| Total | | | 18.01 | 92.70 | 92.70 | | |
| | | | | | | Moment | Statistics |
| | | | | | | | Phi mm |
| Cu = | 15.63 | | Gravel | | 25 % | Mean | -0.73 1.66 |
| | | | Coarse Sand | | 14 % | St. Dev. | 1.72 0.30 |
| | | | Med. Sand | | 48 % | Skewness | -0.14 |
| Cc = | 2.57 | | Fine Sand | | 4 % | Kurtosis | 2.31 |

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| COBBLES | GRAVEL | | SAND | | | SILT OR CLAY |
|---------|--------|------|--------|--------|------|--------------|
| | COARSE | FINE | COARSE | MEDIUM | FINE | |

| SAMPLE NO. | ELEV. | CLASSIFICATION | PROJECT Indian River County-ATM |
|------------|-------|----------------------------------|---------------------------------|
| 13.0 | -37.5 | Well graded sand and gravel (SW) | AREA Indian River County |
| | | | BORING NO. IR-S-13 |
| | | | DATE June,1999 |