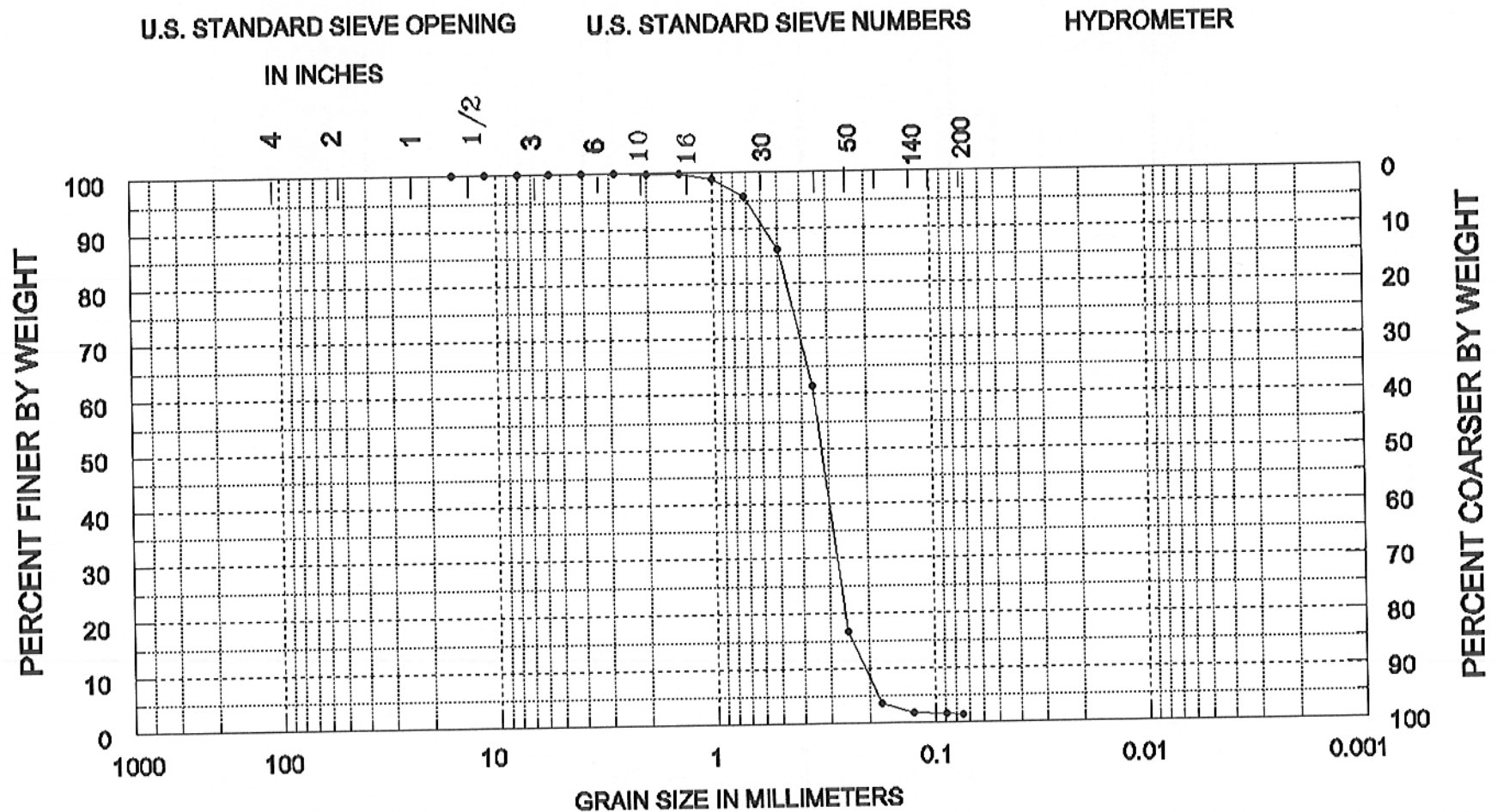


Sediment Analysis Data Sheet

Sample IR-S-23-0.5

| 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 | 0.00 | 0.00 | 0.00 | 5% : | 0.52 | 0.70 |
| 5 | 4.00 | -2.00 | 0.00 | 0.00 | 0.00 | 16% : | 1.04 | 0.49 |
| 7 | 2.83 | -1.50 | 0.00 | 0.00 | 0.00 | 25% : | 1.22 | 0.43 |
| 10 | 2.00 | -1.00 | 0.03 | 0.14 | 0.14 | 50% : | 1.63 | 0.32 |
| 14 | 1.41 | -0.50 | 0.06 | 0.26 | 0.40 | 75% : | 1.91 | 0.27 |
| 18 | 1.00 | 0.00 | 0.26 | 1.09 | 1.49 | 84% : | 2.02 | 0.25 |
| 25 | 0.71 | 0.50 | 0.74 | 3.11 | 4.60 | 95% : | 2.45 | 0.18 |
| 35 | 0.50 | 1.00 | 2.25 | 9.45 | 14.05 | | | |
| 45 | 0.35 | 1.50 | 5.90 | 24.78 | 38.83 | Med. | 1.63 | 0.32 |
| 60 | 0.25 | 2.00 | 10.61 | 44.61 | 83.44 | Mean | 1.53 | 0.35 |
| 80 | 0.18 | 2.50 | 3.09 | 12.98 | 96.42 | St Dev. | 0.54 | |
| 120 | 0.13 | 3.00 | 0.41 | 1.71 | 98.13 | Skew | -0.17 | |
| 170 | 0.09 | 3.50 | 0.07 | 0.28 | 98.41 | Kurt. | 1.15 | |
| 200 | 0.07 | 3.75 | 0.07 | 0.29 | 98.70 | | | |
| Pan | | | 0.00 | 0.00 | 98.70 | | | |
| Total | | | 23.48 | 98.70 | 98.70 | | | |
| | | | | | | Moment | Statistics | |
| | | | | | | | Phi | mm |
| Cu = | 1.67 | | Gravel | | 0 % | Mean | 1.79 | 0.29 |
| | | | Coarse Sand | | 0 % | St. Dev. | 0.57 | 0.67 |
| | | | Med. Sand | | 26 % | Skewness | -0.79 | |
| Cc = | 1.05 | | Fine Sand | | 72 % | Kurtosis | 5.62 | |

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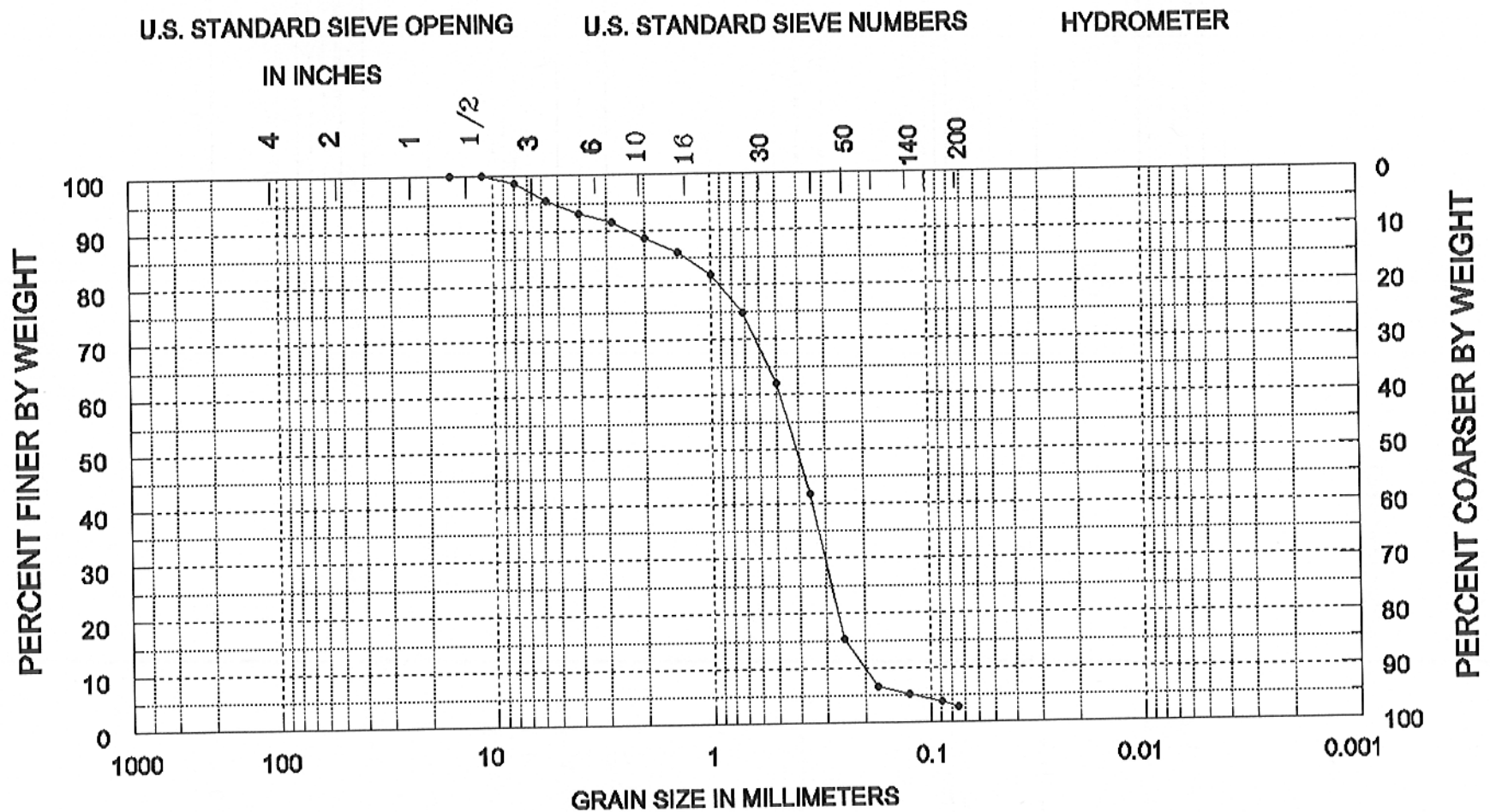


Sediment Analysis Data Sheet

Sample IR-S-23-4.0

| 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 | 0.33 | 1.44 | 1.44 | | |
| | 5.66 | -2.50 | 0.73 | 3.21 | 4.65 | 5% : | -2.42 5.36 |
| 5 | 4.00 | -2.00 | 0.52 | 2.28 | 6.93 | 16% : | -0.27 1.20 |
| 7 | 2.83 | -1.50 | 0.37 | 1.62 | 8.55 | 25% : | 0.49 0.71 |
| 10 | 2.00 | -1.00 | 0.66 | 2.89 | 11.44 | 50% : | 1.30 0.41 |
| 14 | 1.41 | -0.50 | 0.61 | 2.69 | 14.13 | 75% : | 1.82 0.28 |
| 18 | 1.00 | 0.00 | 0.91 | 4.00 | 18.13 | 84% : | 1.99 0.25 |
| 25 | 0.71 | 0.50 | 1.59 | 6.99 | 25.11 | 95% : | 3.07 0.12 |
| 35 | 0.50 | 1.00 | 2.91 | 12.82 | 37.93 | | |
| 45 | 0.35 | 1.50 | 4.58 | 20.20 | 58.13 | Med. | 1.30 0.41 |
| 60 | 0.25 | 2.00 | 6.04 | 26.65 | 84.78 | Mean | 0.73 0.60 |
| 80 | 0.18 | 2.50 | 1.97 | 8.70 | 93.48 | St Dev. | 1.39 |
| 120 | 0.13 | 3.00 | 0.30 | 1.34 | 94.81 | Skew | -0.37 |
| 170 | 0.09 | 3.50 | 0.31 | 1.34 | 96.16 | Kurt. | 1.70 |
| 200 | 0.07 | 3.75 | 0.24 | 1.04 | 97.20 | | |
| Pan | | | 0.00 | 0.00 | 97.20 | | |
| Total | | | 22.05 | 97.20 | 97.20 | | |
| | | | | | | Moment | Statistics |
| | | | | | | | Phi mm |
| Cu = | 2.38 | | Gravel | | 6 % | Mean | 1.10 0.47 |
| | | | Coarse Sand | | 6 % | St. Dev. | 1.46 0.36 |
| | | | Med. Sand | | 37 % | Skewness | -1.30 |
| Cc = | 0.94 | | Fine Sand | | 49 % | Kurtosis | 4.29 |

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

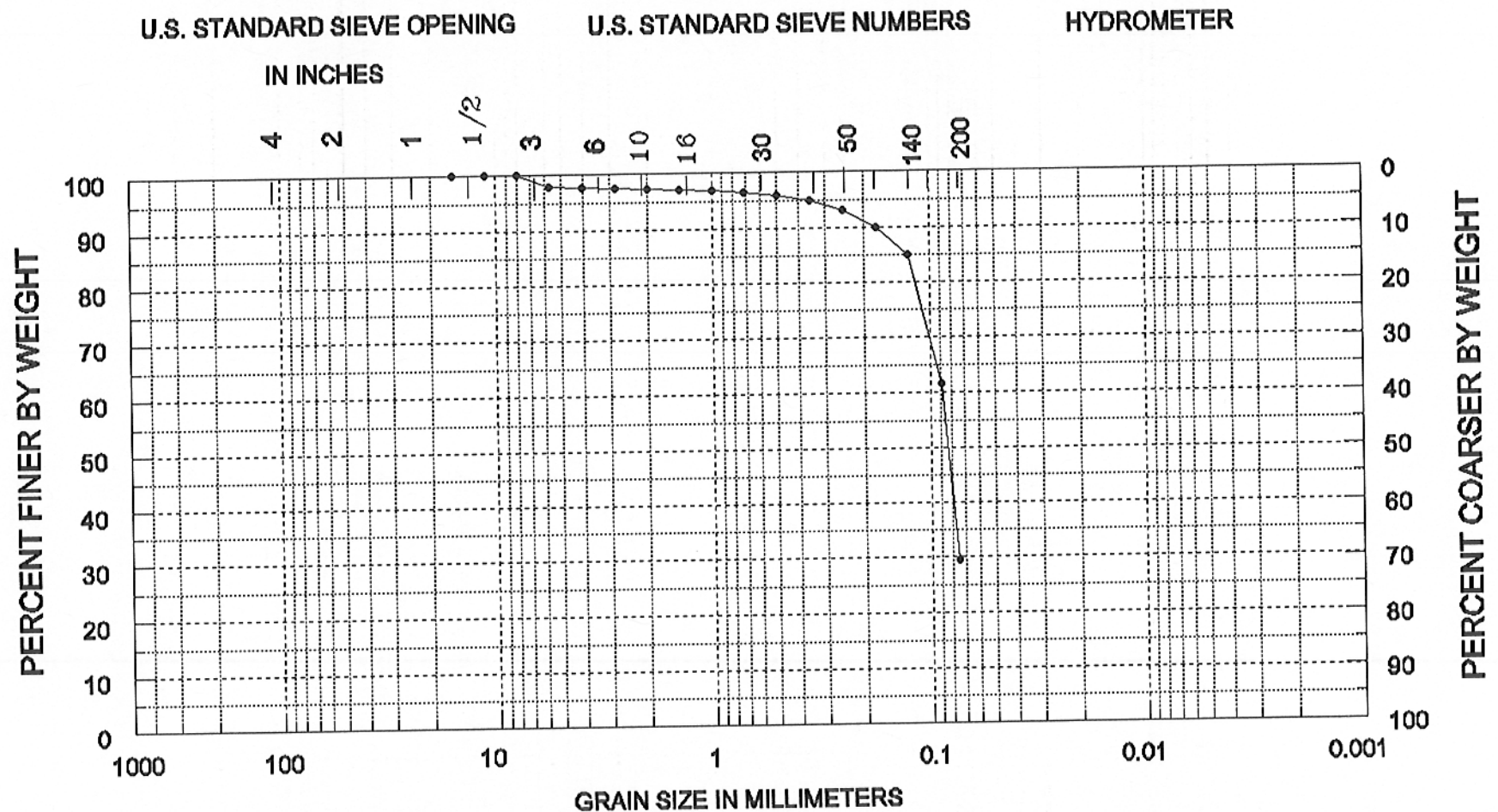
| SAMPLE NO. | ELEV. | CLASSIFICATION | PROJECT Indian River County-ATM |
|------------|-------|--------------------------|---------------------------------|
| 4.0 | -27.8 | Medium to fine sand (SP) | AREA Indian River County |
| | | | BORING NO. IR-S-23 |
| | | | DATE June, 1999 |

Sediment Analysis Data Sheet

Sample IR-S-23-8.0

| 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 | 0.00 | 0.00 | 0.00 | | | |
| | 8.00 | -3.00 | 0.00 | 0.00 | 0.00 | | | |
| | 5.66 | -2.50 | 0.47 | 2.09 | 2.09 | 5% : | 1.43 | 0.37 |
| 5 | 4.00 | -2.00 | 0.07 | 0.32 | 2.42 | 16% : | 3.02 | 0.12 |
| 7 | 2.83 | -1.50 | 0.05 | 0.24 | 2.66 | 25% : | 3.21 | 0.11 |
| 10 | 2.00 | -1.00 | 0.03 | 0.15 | 2.81 | 50% : | 3.43 | 0.09 |
| 14 | 1.41 | -0.50 | 0.02 | 0.10 | 2.91 | 75% : | 3.78 | 0.07 |
| 18 | 1.00 | 0.00 | 0.05 | 0.20 | 3.11 | 84% : | 4.00 | 0.06 |
| 25 | 0.71 | 0.50 | 0.10 | 0.45 | 3.57 | 95% : | 4.20 | 0.05 |
| 35 | 0.50 | 1.00 | 0.15 | 0.68 | 4.25 | | | |
| 45 | 0.35 | 1.50 | 0.20 | 0.87 | 5.12 | Med. | 3.43 | 0.09 |
| 60 | 0.25 | 2.00 | 0.41 | 1.84 | 6.95 | Mean | 3.22 | 0.11 |
| 80 | 0.18 | 2.50 | 0.70 | 3.09 | 10.04 | St Dev. | 0.66 | |
| 120 | 0.13 | 3.00 | 1.11 | 4.92 | 14.97 | Skew | -0.14 | |
| 170 | 0.09 | 3.50 | 5.25 | 23.36 | 38.33 | Kurt. | 2.01 | |
| 200 | 0.07 | 3.75 | 7.24 | 32.21 | 70.53 | | | |
| Pan | | | 0.47 | 2.07 | 72.60 | | | |
| Total | | | 16.33 | 72.60 | 72.60 | | | |
| | | | | | | Moment Statistics | | |
| | | | | | | | Phi | mm |
| Cu = | 0.10 | | Gravel | | 2 % | Mean | 3.08 | 0.12 |
| | | | Coarse Sand | | 1 % | St. Dev. | 1.30 | 0.41 |
| | | | Med. Sand | | 2 % | Skewness | -3.31 | |
| Cc = | 0.05 | | Fine Sand | | 66 % | Kurtosis | 14.39 | |

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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 | -31.8 | Muddy fine sand (SM) | AREA Indian River County |
| | | | BORING NO. IR-S-23 |
| | | | DATE June, 1999 |

Sediment Analysis Data Sheet

Sample IR-S-23-13.0

| 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 | 4.00 | 17.70 | 17.70 | | | |
| | 8.00 | -3.00 | 0.80 | 3.56 | 21.26 | | | |
| | 5.66 | -2.50 | 2.10 | 9.29 | 30.54 | 5% : | -3.86 | 14.51 |
| 5 | 4.00 | -2.00 | 1.13 | 5.02 | 35.56 | 16% : | -3.55 | 11.70 |
| 7 | 2.83 | -1.50 | 1.41 | 6.23 | 41.79 | 25% : | -2.80 | 6.96 |
| 10 | 2.00 | -1.00 | 1.94 | 8.58 | 50.37 | 50% : | -1.02 | 2.03 |
| 14 | 1.41 | -0.50 | 2.88 | 12.77 | 63.14 | 75% : | -0.00 | 1.00 |
| 18 | 1.00 | 0.00 | 2.70 | 11.97 | 75.11 | 84% : | 0.81 | 0.57 |
| 25 | 0.71 | 0.50 | 1.49 | 6.58 | 81.69 | 95% : | 3.78 | 0.07 |
| 35 | 0.50 | 1.00 | 0.84 | 3.72 | 85.41 | | | |
| 45 | 0.35 | 1.50 | 0.47 | 2.06 | 87.48 | Med. | -1.02 | 2.03 |
| 60 | 0.25 | 2.00 | 0.38 | 1.70 | 89.18 | Mean | -0.77 | 1.70 |
| 80 | 0.18 | 2.50 | 0.21 | 0.95 | 90.13 | St Dev. | 2.25 | |
| 120 | 0.13 | 3.00 | 0.17 | 0.77 | 90.89 | Skew | 0.05 | |
| 170 | 0.09 | 3.50 | 0.31 | 1.37 | 92.26 | Kurt. | 1.12 | |
| 200 | 0.07 | 3.75 | 0.37 | 1.63 | 93.89 | | | |
| Pan | | | 0.03 | 0.11 | 94.00 | | | |
| Total | | | 21.23 | 94.00 | 94.00 | | | |
| | | | | | | Moment Statistics | | |
| | | | | | | | Phi | mm |
| Cu = | 16.89 | | Gravel | | 33 % | Mean | -1.24 | 2.37 |
| | | | Coarse Sand | | 17 % | St. Dev. | 1.92 | 0.26 |
| | | | Med. Sand | | 36 % | Skewness | 0.47 | |
| Cc = | 2.33 | | Fine Sand | | 7 % | Kurtosis | 2.71 | |

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