

Sediment Analysis Data Sheet

Sample IRC-12-0.5

| 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 | 0.20 | 0.98 | 0.98 | | | |
| | 5.66 | -2.50 | 0.00 | 0.00 | 0.98 | 5% : | -0.98 | 1.97 |
| 5 | 4.00 | -2.00 | 0.15 | 0.75 | 1.73 | 16% : | 0.23 | 0.86 |
| 7 | 2.83 | -1.50 | 0.22 | 1.11 | 2.84 | 25% : | 0.70 | 0.62 |
| 10 | 2.00 | -1.00 | 0.40 | 2.03 | 4.86 | 50% : | 1.34 | 0.40 |
| 14 | 1.41 | -0.50 | 0.68 | 3.43 | 8.29 | 75% : | 1.75 | 0.30 |
| 18 | 1.00 | 0.00 | 0.84 | 4.22 | 12.51 | 84% : | 1.88 | 0.27 |
| 25 | 0.71 | 0.50 | 1.54 | 7.74 | 20.25 | 95% : | 2.30 | 0.20 |
| 35 | 0.50 | 1.00 | 2.39 | 11.99 | 32.24 | | | |
| 45 | 0.35 | 1.50 | 5.28 | 26.48 | 58.72 | Med. | 1.34 | 0.40 |
| 60 | 0.25 | 2.00 | 6.56 | 32.92 | 91.64 | Mean | 0.95 | 0.52 |
| 80 | 0.18 | 2.50 | 1.12 | 5.63 | 97.27 | St Dev. | 0.91 | |
| 120 | 0.13 | 3.00 | 0.13 | 0.65 | 97.92 | Skew | -0.38 | |
| 170 | 0.09 | 3.50 | 0.09 | 0.43 | 98.35 | Kurt. | 1.28 | |
| 200 | 0.07 | 3.75 | 0.03 | 0.15 | 98.50 | | | |
| Pan | | | 0.00 | 0.00 | 98.50 | | | |
| Total | | | 19.63 | 98.50 | 98.50 | | | |
| | | | | | | Moment | Statistics | |
| | | | | | | | Phi | mm |
| Cu = | 1.78 | Gravel | | 1 | % | Mean | 1.32 | 0.40 |
| | | Coarse | Sand | 4 | % | St. Dev. | 1.01 | 0.50 |
| | | Med. | Sand | 41 | % | Skewness | -1.60 | |
| Cc = | 0.86 | Fine | Sand | 53 | % | Kurtosis | 6.40 | |

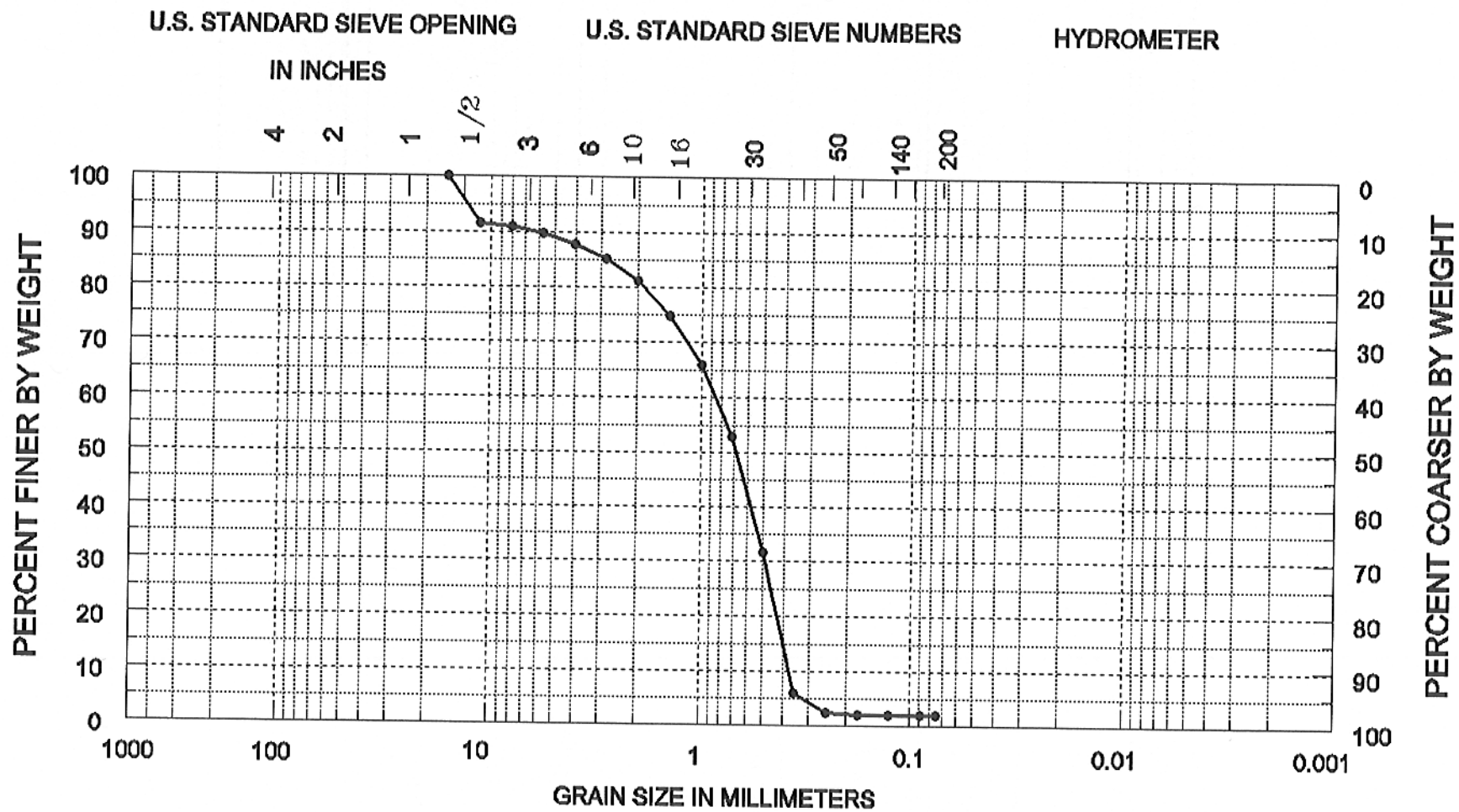
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Sediment Analysis Data Sheet

Sample IR-C-12-4.0

| 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 | 1.71 | 8.59 | 8.59 | | |
| | 8.00 | -3.00 | 0.11 | 0.54 | 9.13 | | |
| | 5.66 | -2.50 | 0.24 | 1.20 | 10.34 | 5% : | -3.71 13.08 |
| 5 | 4.00 | -2.00 | 0.38 | 1.91 | 12.24 | 16% : | -1.35 2.55 |
| 7 | 2.83 | -1.50 | 0.51 | 2.56 | 14.80 | 25% : | -0.51 1.42 |
| 10 | 2.00 | -1.00 | 0.80 | 4.03 | 18.83 | 50% : | 0.57 0.67 |
| 14 | 1.41 | -0.50 | 1.25 | 6.31 | 25.14 | 75% : | 1.13 0.46 |
| 18 | 1.00 | 0.00 | 1.78 | 8.98 | 34.11 | 84% : | 1.31 0.40 |
| 25 | 0.71 | 0.50 | 2.59 | 13.05 | 47.16 | 95% : | 1.64 0.32 |
| 35 | 0.50 | 1.00 | 4.19 | 21.07 | 68.23 | | |
| 45 | 0.35 | 1.50 | 5.12 | 25.75 | 93.98 | Med. | 0.57 0.67 |
| 60 | 0.25 | 2.00 | 0.71 | 3.58 | 97.57 | Mean | -0.31 1.24 |
| 80 | 0.18 | 2.50 | 0.11 | 0.53 | 98.10 | St Dev. | 1.48 |
| 120 | 0.13 | 3.00 | 0.00 | 0.00 | 98.10 | Skew | -0.52 |
| 170 | 0.09 | 3.50 | 0.00 | 0.00 | 98.10 | Kurt. | 1.34 |
| 200 | 0.07 | 3.75 | 0.00 | 0.00 | 98.10 | | |
| Pan | | | 0.00 | 0.00 | 98.10 | | |
| Total | | | 19.49 | 98.10 | 98.10 | | |
| | | | | | | Moment | Statistics |
| | | | | | | | Phi mm |
| Cu = | 2.29 | | Gravel | 11 | % | Mean | 0.26 0.84 |
| | | | Coarse Sand | 8 | % | St. Dev. | 1.53 0.35 |
| | | | Med. Sand | 62 | % | Skewness | -1.31 |
| Cc = | 0.75 | | Fine Sand | 17 | % | Kurtosis | 3.78 |

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

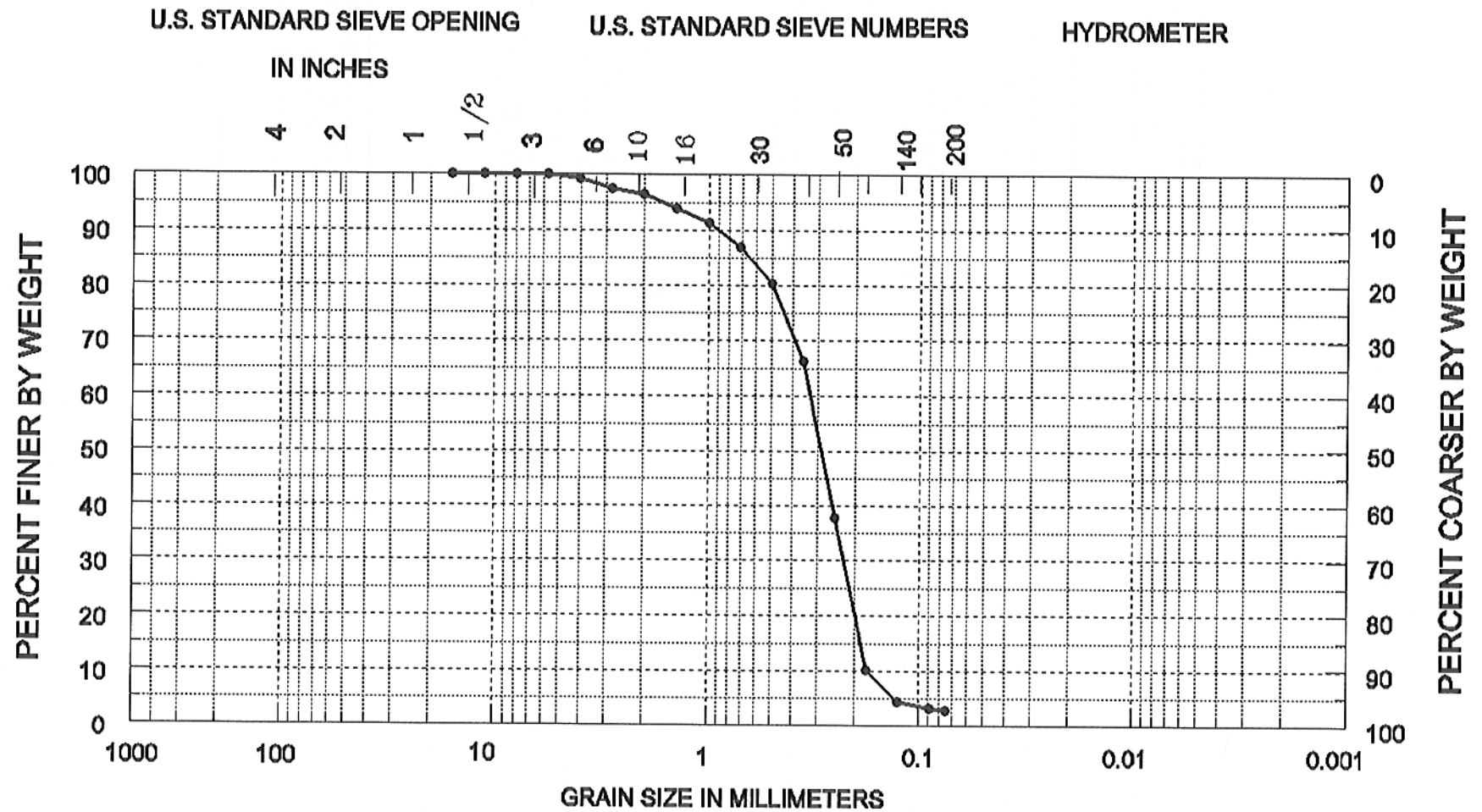
| SAMPLE NO. | ELEV. | CLASSIFICATION | PROJECT Indian River County-ATM |
|------------|-------|------------------|---------------------------------|
| 4.0 | -29.2 | Medium sand (SP) | AREA Indian River County |
| | | | BORING NO. IR-C-12 |
| | | | DATE June, 1999 |

Sediment Analysis Data Sheet

Sample IR-C-12-8.0

| 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 | 0.00 | 0.00 | 0.00 | | | |
| 5 | 4.00 | -2.00 | 0.15 | 0.78 | 0.78 | 5% : | -0.71 | 1.63 |
| 7 | 2.83 | -1.50 | 0.34 | 1.74 | 2.53 | 16% : | 0.72 | 0.61 |
| 10 | 2.00 | -1.00 | 0.19 | 0.94 | 3.47 | 25% : | 1.19 | 0.44 |
| 14 | 1.41 | -0.50 | 0.51 | 2.60 | 6.07 | 50% : | 1.79 | 0.29 |
| 18 | 1.00 | 0.00 | 0.53 | 2.68 | 8.74 | 75% : | 2.23 | 0.21 |
| 25 | 0.71 | 0.50 | 0.85 | 4.33 | 13.07 | 84% : | 2.39 | 0.19 |
| 35 | 0.50 | 1.00 | 1.28 | 6.54 | 19.61 | 95% : | 2.95 | 0.13 |
| 45 | 0.35 | 1.50 | 2.75 | 14.03 | 33.64 | Med. | 1.79 | 0.29 |
| 60 | 0.25 | 2.00 | 5.61 | 28.58 | 62.22 | Mean | 1.43 | 0.37 |
| 80 | 0.18 | 2.50 | 5.44 | 27.70 | 89.92 | St Dev. | 0.97 | |
| 120 | 0.13 | 3.00 | 1.12 | 5.68 | 95.60 | Skew | -0.32 | |
| 170 | 0.09 | 3.50 | 0.23 | 1.18 | 96.78 | Kurt. | 1.44 | |
| 200 | 0.07 | 3.75 | 0.10 | 0.52 | 97.30 | | | |
| Pan | | | 0.00 | 0.00 | 97.30 | | | |
| Total | | | 19.10 | 97.30 | 97.30 | | | |
| | | | | | | Moment Statistics | | |
| | | | | | | | Phi | mm |
| Cu = | 1.86 | | Gravel | 0 | % | Mean | 1.78 | 0.29 |
| | | | Coarse Sand | 3 | % | St. Dev. | 1.02 | 0.49 |
| | | | Med. Sand | 23 | % | Skewness | -1.46 | |
| Cc = | 0.89 | | Fine Sand | 71 | % | Kurtosis | 5.38 | |

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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 | -33.2 | Medium to fine sand (SP) | AREA Indian River County |
| | | | BORING NO. IR-C-12 |
| | | | DATE June,1999 |

Sediment Analysis Data Sheet

Sample IR-C-12-12.0

| 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 | 0.50 | 2.50 | 2.50 | | |
| | 5.66 | -2.50 | 1.40 | 6.98 | 9.49 | 5% : | -2.82 7.07 |
| 5 | 4.00 | -2.00 | 0.87 | 4.34 | 13.83 | 16% : | -1.84 3.59 |
| 7 | 2.83 | -1.50 | 1.39 | 6.91 | 20.74 | 25% : | -1.26 2.39 |
| 10 | 2.00 | -1.00 | 1.77 | 8.80 | 29.54 | 50% : | -0.01 1.01 |
| 14 | 1.41 | -0.50 | 2.15 | 10.69 | 40.23 | 75% : | 1.51 0.35 |
| 18 | 1.00 | 0.00 | 1.99 | 9.92 | 50.15 | 84% : | 1.88 0.27 |
| 25 | 0.71 | 0.50 | 1.82 | 9.07 | 59.22 | 95% : | 2.52 0.17 |
| 35 | 0.50 | 1.00 | 1.38 | 6.90 | 66.12 | | |
| 45 | 0.35 | 1.50 | 1.73 | 8.60 | 74.72 | Med. | -0.01 1.01 |
| 60 | 0.25 | 2.00 | 2.43 | 12.12 | 86.84 | Mean | -0.05 1.04 |
| 80 | 0.18 | 2.50 | 1.62 | 8.08 | 94.92 | St Dev. | 1.74 |
| 120 | 0.13 | 3.00 | 0.38 | 1.87 | 96.80 | Skew | -0.02 |
| 170 | 0.09 | 3.50 | 0.11 | 0.54 | 97.34 | Kurt. | 0.79 |
| 200 | 0.07 | 3.75 | 0.03 | 0.16 | 97.50 | | |
| Pan | | | 0.00 | 0.00 | 97.50 | | |
| Total | | | 19.56 | 97.50 | 97.50 | | |
| | | | | | | Moment | Statistics |
| | | | | | | | Phi mm |
| Cu = | 6.53 | | Gravel | 12 | % | Mean | 0.19 0.88 |
| | | | Coarse Sand | 18 | % | St. Dev. | 1.63 0.32 |
| | | | Med. Sand | 41 | % | Skewness | -0.12 |
| Cc = | 0.59 | | Fine Sand | 27 | % | Kurtosis | 2.01 |

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