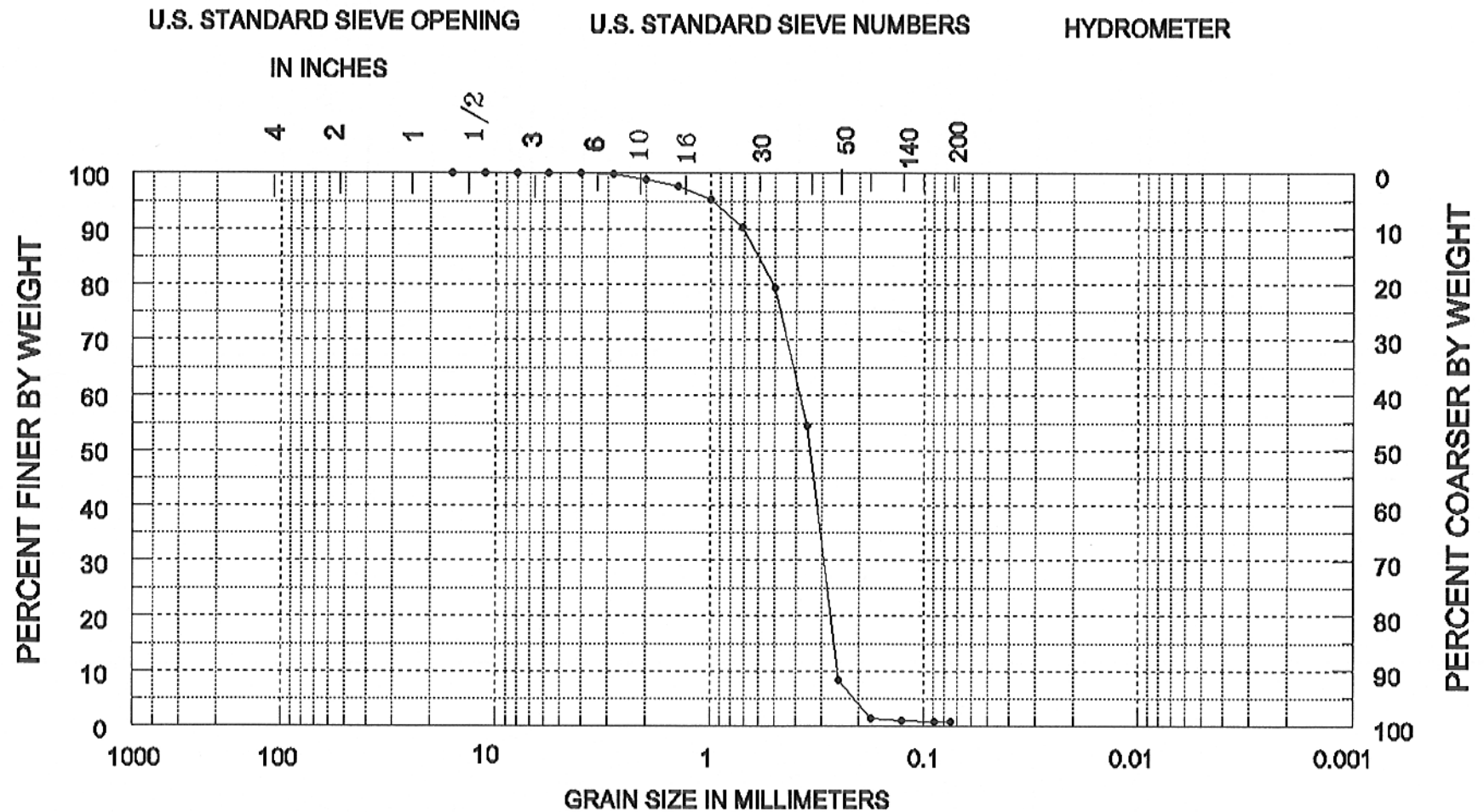


# Sediment Analysis Data Sheet

Sample IR-S-20-0.5

| Sieve | Size<br>(mm) | Phi<br>size | Wt     | Wt<br>% | Cuml<br>% | Folk     | Statistics<br>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% :     | 0.02 0.98            |
| 5     | 4.00         | -2.00       | 0.00   | 0.00    | 0.00      | 16% :    | 0.79 0.58            |
| 7     | 2.83         | -1.50       | 0.02   | 0.11    | 0.11      | 25% :    | 1.09 0.47            |
| 10    | 2.00         | -1.00       | 0.22   | 1.03    | 1.13      | 50% :    | 1.55 0.34            |
| 14    | 1.41         | -0.50       | 0.28   | 1.28    | 2.41      | 75% :    | 1.82 0.28            |
| 18    | 1.00         | 0.00        | 0.52   | 2.37    | 4.78      | 84% :    | 1.92 0.26            |
| 25    | 0.71         | 0.50        | 1.08   | 4.97    | 9.75      | 95% :    | 2.24 0.21            |
| 35    | 0.50         | 1.00        | 2.35   | 10.80   | 20.55     |          |                      |
| 45    | 0.35         | 1.50        | 5.44   | 24.95   | 45.50     | Med.     | 1.55 0.34            |
| 60    | 0.25         | 2.00        | 10.06  | 46.13   | 91.63     | Mean     | 1.30 0.40            |
| 80    | 0.18         | 2.50        | 1.51   | 6.91    | 98.54     | St Dev.  | 0.62                 |
| 120   | 0.13         | 3.00        | 0.11   | 0.52    | 99.06     | Skew     | -0.36                |
| 170   | 0.09         | 3.50        | 0.02   | 0.11    | 99.17     | Kurt.    | 1.25                 |
| 200   | 0.07         | 3.75        | 0.01   | 0.03    | 99.20     |          |                      |
| Pan   |              |             | 0.00   | 0.00    | 99.20     |          |                      |
| Total |              |             | 21.62  | 99.20   | 99.20     |          |                      |
|       |              |             |        |         |           | Moment   | Statistics           |
|       |              |             |        |         |           |          | Phi mm               |
| Cu =  | 1.51         |             | Gravel |         | 0 %       | Mean     | 1.61 0.33            |
|       |              |             | Coarse | Sand    | 1 %       | St. Dev. | 0.69 0.62            |
|       |              |             | Med.   | Sand    | 32 %      | Skewness | -1.66                |
| Cc =  | 0.90         |             | Fine   | Sand    | 66 %      | Kurtosis | 6.93                 |

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

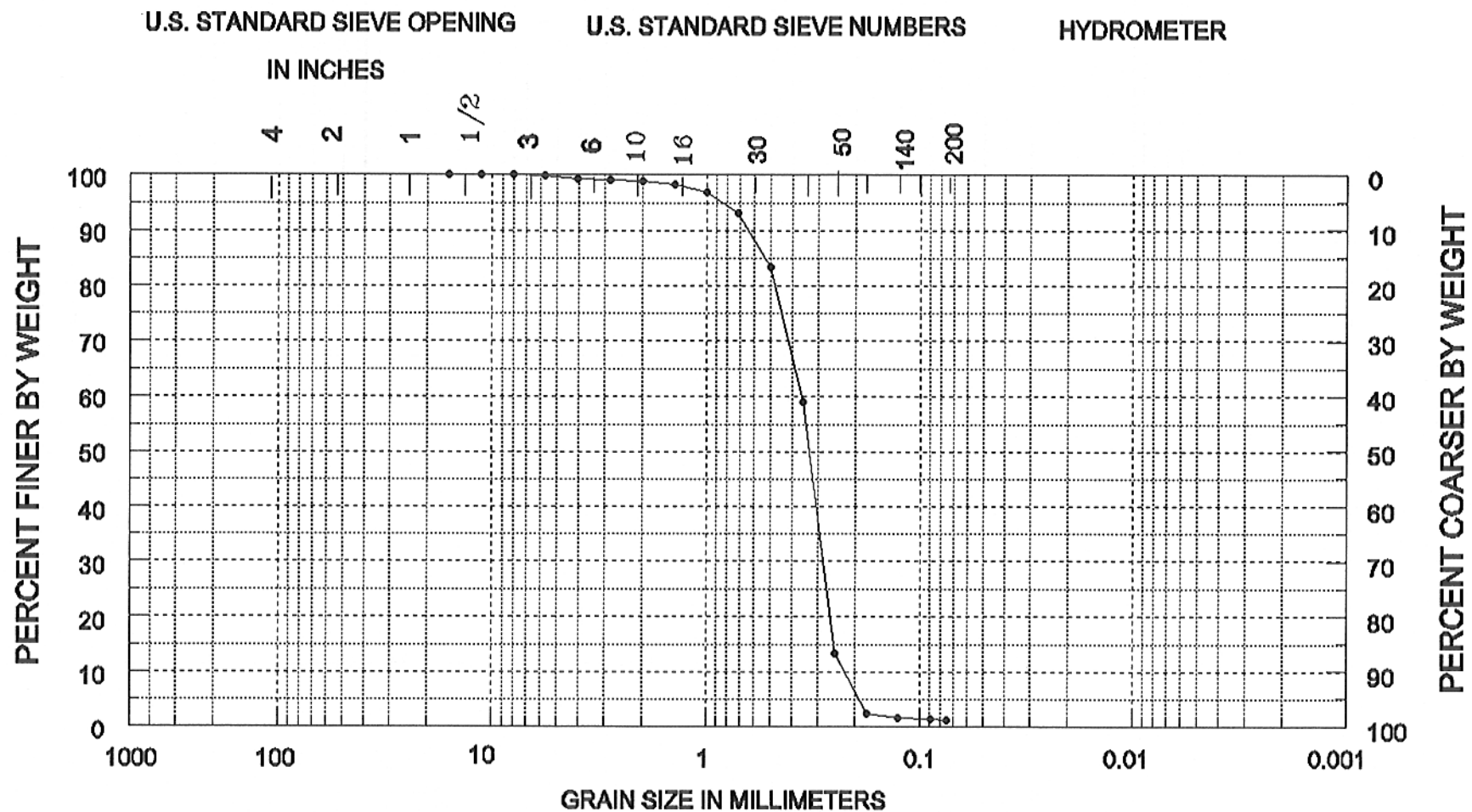
| SAMPLE NO. | ELEV. | CLASSIFICATION           | PROJECT Indian River County-ATM |
|------------|-------|--------------------------|---------------------------------|
| 0.5        | -22.0 | Medium to fine sand (SP) | AREA Indian River County        |
|            |       |                          | BORING NO. IR-S-20              |
|            |       |                          | DATE June, 1999                 |

# Sediment Analysis Data Sheet

Sample IR-S-20-4.0

| Sieve | Size<br>(mm) | Phi<br>size | Wt     | Wt<br>% | Cuml<br>% | Folk     | Statistics<br>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       | 0.06   | 0.29    | 0.29      | 5% :     | 0.25 0.84            |
| 5     | 4.00         | -2.00       | 0.12   | 0.58    | 0.87      | 16% :    | 0.97 0.51            |
| 7     | 2.83         | -1.50       | 0.03   | 0.14    | 1.00      | 25% :    | 1.17 0.44            |
| 10    | 2.00         | -1.00       | 0.05   | 0.22    | 1.22      | 50% :    | 1.60 0.33            |
| 14    | 1.41         | -0.50       | 0.10   | 0.48    | 1.70      | 75% :    | 1.87 0.27            |
| 18    | 1.00         | 0.00        | 0.30   | 1.40    | 3.11      | 84% :    | 1.97 0.26            |
| 25    | 0.71         | 0.50        | 0.82   | 3.82    | 6.93      | 95% :    | 2.38 0.19            |
| 35    | 0.50         | 1.00        | 2.09   | 9.74    | 16.67     |          |                      |
| 45    | 0.35         | 1.50        | 5.24   | 24.40   | 41.07     | Med.     | 1.60 0.33            |
| 60    | 0.25         | 2.00        | 9.80   | 45.66   | 86.73     | Mean     | 1.43 0.37            |
| 80    | 0.18         | 2.50        | 2.32   | 10.82   | 97.55     | St Dev.  | 0.57                 |
| 120   | 0.13         | 3.00        | 0.18   | 0.82    | 98.36     | Skew     | -0.26                |
| 170   | 0.09         | 3.50        | 0.06   | 0.27    | 98.64     | Kurt.    | 1.25                 |
| 200   | 0.07         | 3.75        | 0.05   | 0.24    | 98.88     |          |                      |
| Pan   |              |             | 0.00   | 0.02    | 98.90     |          |                      |
| Total |              |             | 21.24  | 98.90   | 98.90     |          |                      |
|       |              |             |        |         |           | Moment   | Statistics           |
|       |              |             |        |         |           |          | Phi mm               |
| Cu =  | 1.59         |             | Gravel |         | 1 %       | Mean     | 1.70 0.31            |
|       |              |             | Coarse | Sand    | 1 %       | St. Dev. | 0.72 0.61            |
|       |              |             | Med.   | Sand    | 28 %      | Skewness | -2.30                |
| Cc =  | 1.00         |             | Fine   | Sand    | 70 %      | Kurtosis | 13.15                |

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

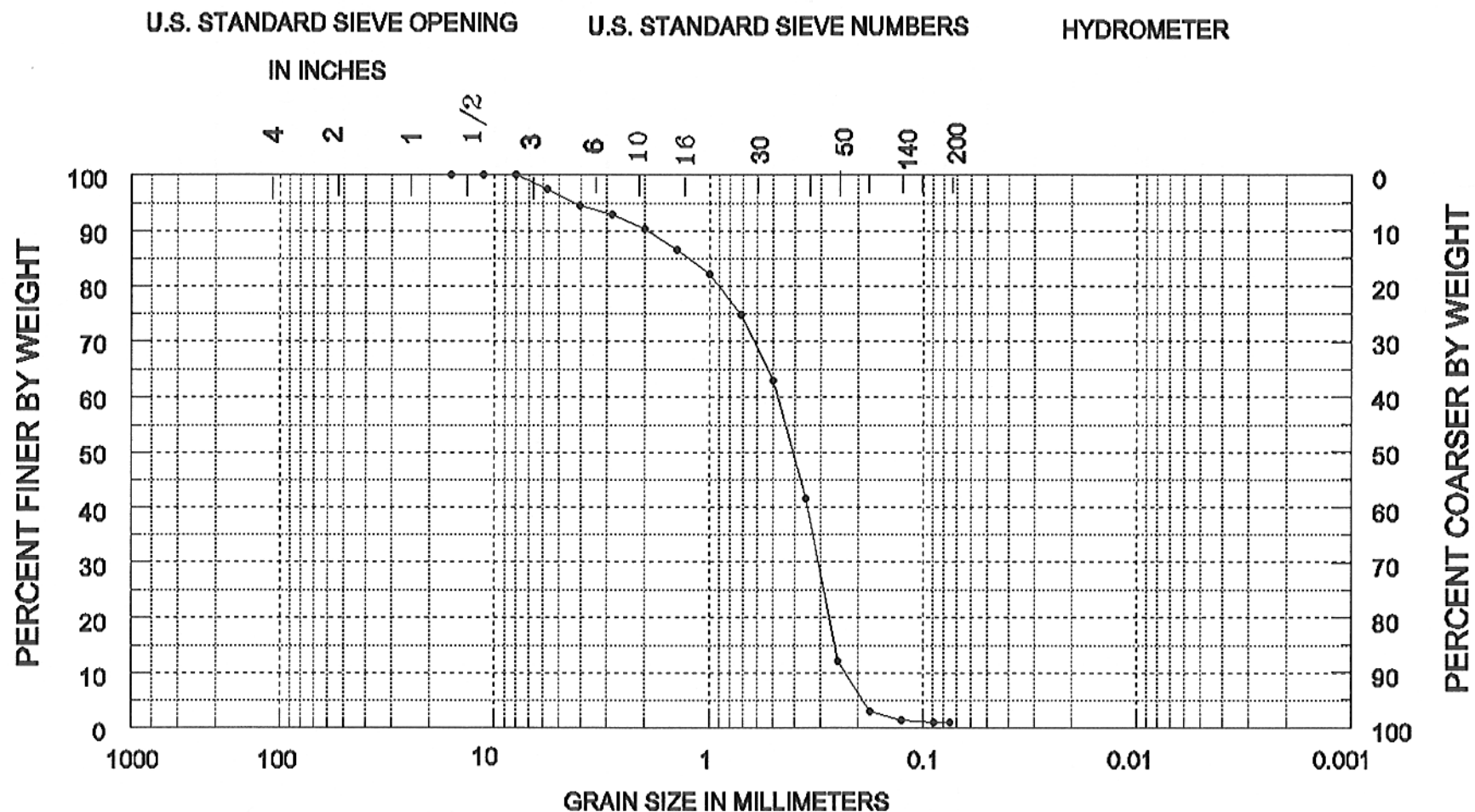
| SAMPLE NO. | ELEV. | CLASSIFICATION           | PROJECT Indian River County-ATM |
|------------|-------|--------------------------|---------------------------------|
| 4.0        | -25.5 | Medium to fine sand (SP) | AREA Indian River County        |
|            |       |                          | BORING NO. IR-S-20              |
|            |       |                          | DATE June, 1999                 |

## Sediment Analysis Data Sheet

Sample IR-S-20-8.0

| Sieve | Size<br>(mm) | Phi<br>size | Wt          | Wt<br>% | Cuml<br>% | Folk Statistics<br>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       | 0.59        | 2.56    | 2.56      | 5% : -2.08 4.24           |
| 5     | 4.00         | -2.00       | 0.68        | 2.94    | 5.50      | 16% : -0.21 1.16          |
| 7     | 2.83         | -1.50       | 0.39        | 1.70    | 7.20      | 25% : 0.49 0.71           |
| 10    | 2.00         | -1.00       | 0.56        | 2.46    | 9.65      | 50% : 1.30 0.41           |
| 14    | 1.41         | -0.50       | 0.85        | 3.72    | 13.37     | 75% : 1.78 0.29           |
| 18    | 1.00         | 0.00        | 1.04        | 4.53    | 17.90     | 84% : 1.93 0.26           |
| 25    | 0.71         | 0.50        | 1.66        | 7.23    | 25.14     | 95% : 2.39 0.19           |
| 35    | 0.50         | 1.00        | 2.75        | 11.98   | 37.12     |                           |
| 45    | 0.35         | 1.50        | 4.87        | 21.22   | 58.34     | Med. 1.30 0.41            |
| 60    | 0.25         | 2.00        | 6.80        | 29.67   | 88.01     | Mean 0.67 0.63            |
| 80    | 0.18         | 2.50        | 2.08        | 9.06    | 97.07     | St Dev. 1.21              |
| 120   | 0.13         | 3.00        | 0.35        | 1.51    | 98.58     | Skew -0.46                |
| 170   | 0.09         | 3.50        | 0.09        | 0.37    | 98.95     | Kurt. 1.42                |
| 200   | 0.07         | 3.75        | 0.03        | 0.15    | 99.10     |                           |
| Pan   |              |             | 0.00        | 0.00    | 99.10     |                           |
| Total |              |             | 22.72       | 99.10   | 99.10     |                           |
|       |              |             |             |         |           | Moment Statistics         |
|       |              |             |             |         |           | Phi mm                    |
| Cu =  | 2.06         |             | Gravel      | 4       | %         | Mean 1.14 0.45            |
|       |              |             | Coarse Sand | 6       | %         | St. Dev. 1.32 0.40        |
|       |              |             | Med. Sand   | 38      | %         | Skewness -1.38            |
| Cc =  | 0.86         |             | Fine Sand   | 51      | %         | Kurtosis 4.37             |

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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        | -29.5 | Medium to fine sand (SP) | AREA Indian River County        |
|            |       |                          | BORING NO. IR-S-20              |
|            |       |                          | DATE June, 1999                 |