

## SAMPLE STATISTICS

|  |                               |                                   |
|--|-------------------------------|-----------------------------------|
| SIEVING ERROR: 0.0%                    | VIBRACORE                     | SIEVE INTERVAL $\frac{1}{2} \phi$ |
| SAMPLE IDENTITY: <b>SR-8-230</b>       | ANALYST & DATE:               |                                   |
| SAMPLE TYPE: Bimodal, Poorly Sorted    | TEXTURAL GROUP: Gravelly Sand |                                   |
| SEDIMENT NAME: Fine Gravelly Fine Sand |                               |                                   |

|                                       |               |        | GRAIN SIZE DISTRIBUTION |       |                |       |
|---------------------------------------|---------------|--------|-------------------------|-------|----------------|-------|
|                                       | $\mu\text{m}$ | $\phi$ |                         |       |                |       |
| MODE 1:                               | 215.0         | 2.237  | GRAVEL:                 | 17.6% | COARSE SAND:   | 2.8%  |
| MODE 2:                               | 4800.0        | -2.243 | SAND:                   | 82.3% | MEDIUM SAND:   | 20.1% |
| MODE 3:                               |               |        | MUD:                    | 0.1%  | FINE SAND:     | 53.5% |
| D <sub>10</sub> :                     | 138.7         | -2.150 |                         |       | V FINE SAND:   | 4.0%  |
| MEDIAN or D <sub>50</sub> :           | 231.7         | 2.110  | V COARSE GRAVEL:        | 0.0%  | V COARSE SILT: | 0.0%  |
| D <sub>90</sub> :                     | 4438.1        | 2.850  | COARSE GRAVEL:          | 0.0%  | COARSE SILT:   | 0.0%  |
| (D <sub>90</sub> / D <sub>10</sub> ): | 32.01         | -1.326 | MEDIUM GRAVEL:          | 0.0%  | MEDIUM SILT:   | 0.0%  |
| (D <sub>90</sub> - D <sub>10</sub> ): | 4299.4        | 5.000  | FINE GRAVEL:            | 14.5% | FINE SILT:     | 0.0%  |
| (D <sub>75</sub> / D <sub>25</sub> ): | 2.293         | 1.938  | V FINE GRAVEL:          | 3.1%  | V FINE SILT:   | 0.0%  |
| (D <sub>75</sub> - D <sub>25</sub> ): | 232.7         | 1.197  | V COARSE SAND:          | 2.0%  | CLAY:          | 0.0%  |

|            | METHOD OF MOMENTS |               |             | FOLK & WARD METHOD |             |                    |
|------------|-------------------|---------------|-------------|--------------------|-------------|--------------------|
|            | Arithmetic        | Geometric     | Logarithmic | Geometric          | Logarithmic | Description        |
|            | $\mu\text{m}$     | $\mu\text{m}$ | $\phi$      | $\mu\text{m}$      | $\phi$      |                    |
| MEAN :     | 1008.4            | 379.4         | 1.398       | 472.4              | 1.082       | Medium Sand        |
| SORTING :  | 1643.5            | 3.370         | 1.753       | 3.650              | 1.868       | Poorly Sorted      |
| SKEWNESS : | 1.753             | 1.268         | -1.268      | 0.698              | -0.698      | Very Coarse Skewed |
| KURTOSIS : | 4.229             | 3.215         | 3.215       | 1.813              | 1.813       | Very Leptokurtic   |

