

## SAMPLE STATISTICS

|  |           |                                   |
|--|-----------|-----------------------------------|
| SIEVING ERROR: 0.0%                    | VIBRACORE | SIEVE INTERVAL $\frac{1}{2} \phi$ |
| SAMPLE IDENTITY: <b>SR-5-480</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:                 | 14.8% | COARSE SAND:   | 3.9%  |
| MODE 2:                               | 4800.0        | -2.243 | SAND:                   | 85.1% | MEDIUM SAND:   | 24.1% |
| MODE 3:                               |               |        | MUD:                    | 0.1%  | FINE SAND:     | 50.4% |
| D <sub>10</sub> :                     | 140.1         | -2.017 |                         |       | V FINE SAND:   | 4.5%  |
| MEDIAN or D <sub>50</sub> :           | 238.0         | 2.071  | V COARSE GRAVEL:        | 0.0%  | V COARSE SILT: | 0.0%  |
| D <sub>90</sub> :                     | 4046.5        | 2.835  | COARSE GRAVEL:          | 0.0%  | COARSE SILT:   | 0.0%  |
| (D <sub>90</sub> / D <sub>10</sub> ): | 28.88         | -1.406 | MEDIUM GRAVEL:          | 0.0%  | MEDIUM SILT:   | 0.0%  |
| (D <sub>90</sub> - D <sub>10</sub> ): | 3906.4        | 4.852  | FINE GRAVEL:            | 10.4% | FINE SILT:     | 0.0%  |
| (D <sub>75</sub> / D <sub>25</sub> ): | 2.213         | 1.892  | V FINE GRAVEL:          | 4.5%  | V FINE SILT:   | 0.0%  |
| (D <sub>75</sub> - D <sub>25</sub> ): | 225.1         | 1.146  | V COARSE SAND:          | 2.2%  | 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 :     | 876.1             | 362.8         | 1.463       | 375.7              | 1.412       | Medium Sand        |
| SORTING :  | 1469.5            | 3.075         | 1.621       | 2.987              | 1.579       | Poorly Sorted      |
| SKEWNESS : | 2.068             | 1.359         | -1.359      | 0.640              | -0.640      | Very Coarse Skewed |
| KURTOSIS : | 5.568             | 3.749         | 3.749       | 1.874              | 1.874       | Very Leptokurtic   |

