

|   |                   |               |                                 |                    |                     |                    |
|---|-------------------|---------------|---------------------------------|--------------------|---------------------|--------------------|
| SIEVING ERROR: 0.1%                           |                   |               | <u><b>SAMPLE STATISTICS</b></u> |                    |                     |                    |
| SAMPLE IDENTITY: <b>SR-89-270</b>             |                   |               | ANALYST & DATE: ,               |                    |                     |                    |
| SAMPLE TYPE: Unimodal, Moderately Sorted      |                   |               | TEXTURAL GROUP: Gravelly Sand   |                    |                     |                    |
| SEDIMENT NAME: Very Fine Gravelly Medium Sand |                   |               |                                 |                    |                     |                    |
|   | $\mu\text{m}$     | $\phi$        | GRAIN SIZE DISTRIBUTION         |                    |                     |                    |
| MODE 1:                                       | 302.5             | 1.747         | GRAVEL: 6.8%                    |                    | COARSE SAND: 7.8%   |                    |
| MODE 2:                                       |                   |               | SAND: 92.9%                     |                    | MEDIUM SAND: 58.2%  |                    |
| MODE 3:                                       |                   |               | MUD: 0.2%                       |                    | FINE SAND: 20.6%    |                    |
| D <sub>10</sub> :                             | 199.5             | -0.413        |                                 |                    | V FINE SAND: 1.1%   |                    |
| MEDIAN or D <sub>50</sub> :                   | 313.4             | 1.674         | V COARSE GRAVEL: 0.0%           |                    | V COARSE SILT: 0.0% |                    |
| D <sub>90</sub> :                             | 1331.4            | 2.326         | COARSE GRAVEL: 0.0%             |                    | COARSE SILT: 0.0%   |                    |
| (D <sub>90</sub> / D <sub>10</sub> ):         | 6.674             | -5.632        | MEDIUM GRAVEL: 0.0%             |                    | MEDIUM SILT: 0.0%   |                    |
| (D <sub>90</sub> - D <sub>10</sub> ):         | 1131.9            | 2.739         | FINE GRAVEL: 0.2%               |                    | FINE SILT: 0.0%     |                    |
| (D <sub>75</sub> / D <sub>25</sub> ):         | 1.729             | 1.673         | V FINE GRAVEL: 6.7%             |                    | V FINE SILT: 0.0%   |                    |
| (D <sub>75</sub> - D <sub>25</sub> ):         | 186.8             | 0.790         | V COARSE SAND: 5.2%             |                    | 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 ( $\bar{x}$ ):                           | 570.9             | 382.0         | 1.388                           | 358.2              | 1.481               | Medium Sand        |
| SORTING ( $\sigma$ ):                         | 725.3             | 2.130         | 1.091                           | 1.938              | 0.955               | Moderately Sorted  |
| SKEWNESS ( $Sk$ ):                            | 2.971             | 1.120         | -1.120                          | 0.475              | -0.475              | Very Coarse Skewed |
| KURTOSIS ( $K$ ):                             | 11.53             | 6.057         | 6.057                           | 1.936              | 1.936               | Very Leptokurtic   |

