

|  |                   |               |  |                    |                     |                    |
|--|-------------------|---------------|--|--------------------|---------------------|--------------------|
| SIEVING ERROR: 0.1%                                  |                   |               | <u><b>SAMPLE STATISTICS</b></u>        |                    |                     |                    |
| SAMPLE IDENTITY: <b>SR-100-120</b>                   |                   |               | ANALYST & DATE: ,                      |                    |                     |                    |
| SAMPLE TYPE: Unimodal, Poorly Sorted                 |                   |               | TEXTURAL GROUP: Slightly Gravelly Sand |                    |                     |                    |
| SEDIMENT NAME: Slightly Very Fine Gravelly Fine Sand |                   |               |  |                    |                     |                    |
|  | $\mu\text{m}$     | $\phi$        | GRAIN SIZE DISTRIBUTION                |                    |                     |                    |
| MODE 1:  | 215.0             | 2.237         | GRAVEL: 4.8%                           |                    | COARSE SAND: 8.5%   |                    |
| MODE 2:  |                   |               | SAND: 95.0%                            |                    | MEDIUM SAND: 34.7%  |                    |
| MODE 3:  |                   |               | MUD: 0.1%                              |                    | FINE SAND: 43.6%    |                    |
| D <sub>10</sub> :                                    | 151.5             | -0.124        |  |                    | V FINE SAND: 2.2%   |                    |
| MEDIAN or D <sub>50</sub> :                          | 266.6             | 1.907         | V COARSE GRAVEL: 0.0%                  |                    | V COARSE SILT: 0.0% |                    |
| D <sub>90</sub> :                                    | 1089.9            | 2.722         | COARSE GRAVEL: 0.0%                    |                    | COARSE SILT: 0.0%   |                    |
| (D <sub>90</sub> / D <sub>10</sub> ):                | 7.192             | -21.921       | MEDIUM GRAVEL: 0.0%                    |                    | MEDIUM SILT: 0.0%   |                    |
| (D <sub>90</sub> - D <sub>10</sub> ):                | 938.4             | 2.846         | FINE GRAVEL: 1.1%                      |                    | FINE SILT: 0.0%     |                    |
| (D <sub>75</sub> / D <sub>25</sub> ):                | 2.173             | 1.917         | V FINE GRAVEL: 3.8%                    |                    | V FINE SILT: 0.0%   |                    |
| (D <sub>75</sub> - D <sub>25</sub> ):                | 231.6             | 1.120         | V COARSE SAND: 6.0%                    |                    | 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 ( $\bar{x}$ ):                                  | 509.9             | 327.6         | 1.610                                  | 312.6              | 1.677               | Medium Sand        |
| SORTING ( $\sigma$ ):                                | 715.5             | 2.198         | 1.136                                  | 2.082              | 1.058               | Poorly Sorted      |
| SKEWNESS ( $Sk$ ):                                   | 3.737             | 1.239         | -1.239                                 | 0.425              | -0.425              | Very Coarse Skewed |
| KURTOSIS ( $K$ ):                                    | 18.77             | 5.047         | 5.047                                  | 1.417              | 1.417               | Leptokurtic        |

