

SIEVING ERROR: 0.0%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **SR-119-120**

ANALYST &amp; DATE: ,

SAMPLE TYPE: Unimodal, Moderately Well Sorted

TEXTURAL GROUP: Slightly Gravelly Sand

SEDIMENT NAME: Slightly Very Fine Gravelly Medium Sand

|                                       | $\mu\text{m}$     | $\phi$        | GRAIN SIZE DISTRIBUTION |                     |             |                        |
|---------------------------------------|-------------------|---------------|-------------------------|---------------------|-------------|------------------------|
| MODE 1:                               | 302.5             | 1.747         | GRAVEL: 2.6%            | COARSE SAND: 10.8%  |             |                        |
| MODE 2:                               |                   |               | SAND: 97.3%             | MEDIUM SAND: 82.5%  |             |                        |
| MODE 3:                               |                   |               | MUD: 0.1%               | FINE SAND: 0.2%     |             |                        |
| D <sub>10</sub> :                     | 265.2             | 0.544         |                         | V FINE SAND: 0.0%   |             |                        |
| MEDIAN or D <sub>50</sub> :           | 338.5             | 1.563         | V COARSE GRAVEL: 0.0%   | V COARSE SILT: 0.0% |             |                        |
| D <sub>90</sub> :                     | 686.1             | 1.915         | COARSE GRAVEL: 0.0%     | COARSE SILT: 0.0%   |             |                        |
| (D <sub>90</sub> / D <sub>10</sub> ): | 2.587             | 3.523         | MEDIUM GRAVEL: 0.0%     | MEDIUM SILT: 0.0%   |             |                        |
| (D <sub>90</sub> - D <sub>10</sub> ): | 420.9             | 1.372         | FINE GRAVEL: 1.0%       | FINE SILT: 0.0%     |             |                        |
| (D <sub>75</sub> / D <sub>25</sub> ): | 1.546             | 1.544         | V FINE GRAVEL: 1.7%     | V FINE SILT: 0.0%   |             |                        |
| (D <sub>75</sub> - D <sub>25</sub> ): | 158.6             | 0.628         | V COARSE SAND: 3.8%     | 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 ( $\bar{x}$ ):                   | 500.3             | 397.7         | 1.330                   | 366.0               | 1.450       | Medium Sand            |
| SORTING ( $\sigma$ ):                 | 576.9             | 1.684         | 0.752                   | 1.498               | 0.583       | Moderately Well Sorted |
| SKEWNESS ( $Sk$ ):                    | 5.347             | 2.153         | -2.153                  | 0.508               | -0.508      | Very Coarse Skewed     |
| KURTOSIS ( $K$ ):                     | 35.47             | 11.96         | 11.96                   | 1.501               | 1.501       | Very Leptokurtic       |

**GRAIN SIZE DISTRIBUTION**