

SIEVING ERROR: 0.1%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **1188-1314 B-II-1 S-4**

ANALYST &amp; DATE: ,

SAMPLE TYPE: Bimodal, Poorly 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: 15.6%           | COARSE SAND: 13.2%  |             |                    |
| MODE 2:               | 3400.0            | -1.743        | SAND: 83.9%             | MEDIUM SAND: 48.9%  |             |                    |
| MODE 3:               |                   |               | MUD: 0.4%               | FINE SAND: 12.8%    |             |                    |
| $D_{10}$ :            | 215.9             | -1.537        |                         | V FINE SAND: 1.6%   |             |                    |
| MEDIAN or $D_{50}$ :  | 409.9             | 1.287         | V COARSE GRAVEL: 0.0%   | V COARSE SILT: 0.1% |             |                    |
| $D_{90}$ :            | 2901.3            | 2.212         | COARSE GRAVEL: 0.0%     | COARSE SILT: 0.1%   |             |                    |
| $(D_{90} / D_{10})$ : | 13.44             | -1.439        | MEDIUM GRAVEL: 0.0%     | MEDIUM SILT: 0.1%   |             |                    |
| $(D_{90} - D_{10})$ : | 2685.4            | 3.749         | FINE GRAVEL: 2.8%       | FINE SILT: 0.1%     |             |                    |
| $(D_{75} / D_{25})$ : | 2.951             | 7.645         | V FINE GRAVEL: 12.8%    | V FINE SILT: 0.1%   |             |                    |
| $(D_{75} - D_{25})$ : | 561.8             | 1.561         | V COARSE SAND: 7.5%     | CLAY: 0.1%          |             |                    |
|                       | METHOD OF MOMENTS |               |                         | FOLK & WARD METHOD  |             |                    |
|                       | Arithmetic        | Geometric     | Logarithmic             | Geometric           | Logarithmic | Description        |
|                       | $\mu\text{m}$     | $\mu\text{m}$ | $\phi$                  | $\mu\text{m}$       | $\phi$      |                    |
| MEAN ( $\bar{x}$ ):   | 929.0             | 538.3         | 0.894                   | 587.1               | 0.768       | Coarse Sand        |
| SORTING ( $\sigma$ ): | 1136.8            | 2.644         | 1.403                   | 2.609               | 1.384       | Poorly Sorted      |
| SKEWNESS ( $S_k$ ):   | 1.944             | 0.457         | -0.457                  | 0.498               | -0.498      | Very Coarse Skewed |
| KURTOSIS ( $K$ ):     | 5.774             | 3.939         | 3.939                   | 1.126               | 1.126       | Leptokurtic        |

**GRAIN SIZE DISTRIBUTION**