

SIEVING ERROR: 0.5%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-03\_225**

ANALYST &amp; DATE: SA/RM, 8/19/91

SAMPLE TYPE: Bimodal, Moderately Sorted

TEXTURAL GROUP: Slightly Gravelly Sand

SEDIMENT NAME: Slightly Very Fine Gravelly Coarse Sand

|                       | $\mu\text{m}$     | $\phi$        | GRAIN SIZE DISTRIBUTION |                     |             |                   |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|-------------------|
| MODE 1:               | 547.5             | 0.875         | GRAVEL: 0.1%            | COARSE SAND: 43.3%  |             |                   |
| MODE 2:               | 273.5             | 1.876         | SAND: 99.9%             | MEDIUM SAND: 41.4%  |             |                   |
| MODE 3:               |                   |               | MUD: 0.0%               | FINE SAND: 6.3%     |             |                   |
| $D_{10}$ :            | 265.6             | 0.045         |                         | V FINE SAND: 0.3%   |             |                   |
| MEDIAN or $D_{50}$ :  | 509.8             | 0.972         | V COARSE GRAVEL: 0.0%   | V COARSE SILT: 0.0% |             |                   |
| $D_{90}$ :            | 969.1             | 1.912         | COARSE GRAVEL: 0.0%     | COARSE SILT: 0.0%   |             |                   |
| $(D_{90} / D_{10})$ : | 3.648             | 42.23         | MEDIUM GRAVEL: 0.0%     | MEDIUM SILT: 0.0%   |             |                   |
| $(D_{90} - D_{10})$ : | 703.4             | 1.867         | FINE GRAVEL: 0.0%       | FINE SILT: 0.0%     |             |                   |
| $(D_{75} / D_{25})$ : | 1.969             | 2.862         | V FINE GRAVEL: 0.1%     | V FINE SILT: 0.0%   |             |                   |
| $(D_{75} - D_{25})$ : | 342.0             | 0.977         | V COARSE SAND: 8.7%     | 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 ( $\bar{x}$ ):   | 570.8             | 502.6         | 0.992                   | 501.3               | 0.996       | Coarse Sand       |
| SORTING ( $\sigma$ ): | 297.2             | 1.646         | 0.719                   | 1.668               | 0.738       | Moderately Sorted |
| SKEWNESS ( $Sk$ ):    | 1.378             | -0.020        | 0.020                   | -0.016              | 0.016       | Symmetrical       |
| KURTOSIS ( $K$ ):     | 5.355             | 2.956         | 2.956                   | 1.004               | 1.004       | Mesokurtic        |

**GRAIN SIZE DISTRIBUTION**