

SIEVING ERROR: 0.0%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-275**

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

SAMPLE TYPE: Polymodal, Moderately Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Sorted Coarse Sand

|                                       | $\mu\text{m}$     | $\phi$        | GRAIN SIZE DISTRIBUTION |                     |             |                   |
|---------------------------------------|-------------------|---------------|-------------------------|---------------------|-------------|-------------------|
| MODE 1:                               | 547.5             | 0.875         | GRAVEL: 0.0%            | COARSE SAND: 37.3%  |             |                   |
| MODE 2:                               | 273.5             | 1.876         | SAND: 100.0%            | MEDIUM SAND: 37.0%  |             |                   |
| MODE 3:                               | 193.5             | 2.375         | MUD: 0.0%               | FINE SAND: 20.6%    |             |                   |
| D <sub>10</sub> :                     | 182.6             | 0.230         |                         | V FINE SAND: 1.6%   |             |                   |
| MEDIAN or D <sub>50</sub> :           | 428.3             | 1.223         | V COARSE GRAVEL: 0.0%   | V COARSE SILT: 0.0% |             |                   |
| D <sub>90</sub> :                     | 852.7             | 2.453         | COARSE GRAVEL: 0.0%     | COARSE SILT: 0.0%   |             |                   |
| (D <sub>90</sub> / D <sub>10</sub> ): | 4.669             | 10.67         | MEDIUM GRAVEL: 0.0%     | MEDIUM SILT: 0.0%   |             |                   |
| (D <sub>90</sub> - D <sub>10</sub> ): | 670.1             | 2.223         | FINE GRAVEL: 0.0%       | FINE SILT: 0.0%     |             |                   |
| (D <sub>75</sub> / D <sub>25</sub> ): | 2.371             | 2.783         | V FINE GRAVEL: 0.0%     | V FINE SILT: 0.0%   |             |                   |
| (D <sub>75</sub> - D <sub>25</sub> ): | 356.3             | 1.246         | V COARSE SAND: 3.4%     | 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 ( $\bar{x}$ ):                   | 467.2             | 399.2         | 1.325                   | 403.3               | 1.310       | Medium Sand       |
| SORTING ( $\sigma$ ):                 | 252.0             | 1.770         | 0.823                   | 1.810               | 0.856       | Moderately Sorted |
| SKEWNESS ( $Sk$ ):                    | 0.709             | -0.200        | 0.200                   | -0.129              | 0.129       | Fine Skewed       |
| KURTOSIS ( $K$ ):                     | 2.686             | 2.177         | 2.177                   | 0.869               | 0.869       | Platykurtic       |

**GRAIN SIZE DISTRIBUTION**