

SIEVING ERROR: 0.5%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **PEN-91-13\_250**

ANALYST &amp; DATE: SA/RM, 8/20/91

SAMPLE TYPE: Bimodal, Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Well Sorted Fine Sand

|                       | $\mu\text{m}$     | $\phi$        | GRAIN SIZE DISTRIBUTION |                     |             |             |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|-------------|
| MODE 1:               | 273.5             | 1.876         | GRAVEL: 0.0%            | COARSE SAND: 3.7%   |             |             |
| MODE 2:               | 193.5             | 2.375         | SAND: 100.0%            | MEDIUM SAND: 45.4%  |             |             |
| MODE 3:               |                   |               | MUD: 0.0%               | FINE SAND: 49.9%    |             |             |
| $D_{10}$ :            | 171.2             | 1.347         |                         | V FINE SAND: 0.8%   |             |             |
| MEDIAN or $D_{50}$ :  | 247.9             | 2.012         | V COARSE GRAVEL: 0.0%   | V COARSE SILT: 0.0% |             |             |
| $D_{90}$ :            | 393.2             | 2.546         | COARSE GRAVEL: 0.0%     | COARSE SILT: 0.0%   |             |             |
| $(D_{90} / D_{10})$ : | 2.296             | 1.890         | MEDIUM GRAVEL: 0.0%     | MEDIUM SILT: 0.0%   |             |             |
| $(D_{90} - D_{10})$ : | 222.0             | 1.199         | FINE GRAVEL: 0.0%       | FINE SILT: 0.0%     |             |             |
| $(D_{75} / D_{25})$ : | 1.495             | 1.326         | V FINE GRAVEL: 0.0%     | V FINE SILT: 0.0%   |             |             |
| $(D_{75} - D_{25})$ : | 96.36             | 0.580         | V COARSE SAND: 0.1%     | 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 ( $\bar{x}$ ):   | 265.7             | 248.7         | 2.008                   | 247.2               | 2.016       | Fine Sand   |
| SORTING ( $\sigma$ ): | 107.8             | 1.403         | 0.489                   | 1.379               | 0.464       | Well Sorted |
| SKEWNESS ( $Sk$ ):    | 2.500             | 0.691         | -0.691                  | 0.073               | -0.073      | Symmetrical |
| KURTOSIS ( $K$ ):     | 13.52             | 4.399         | 4.399                   | 1.148               | 1.148       | Leptokurtic |

**GRAIN SIZE DISTRIBUTION**