

SIEVING ERROR: 0.3%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **AL-91-13\_75**

ANALYST &amp; DATE: TB/RM, 8/17/91

SAMPLE TYPE: Unimodal, Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Well Sorted Fine Sand

|                       | $\mu\text{m}$     | $\phi$        | GRAIN SIZE DISTRIBUTION |                     |             |             |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|-------------|
| MODE 1:               | 163.0             | 2.622         | GRAVEL: 0.0%            | COARSE SAND: 0.2%   |             |             |
| MODE 2:               |                   |               | SAND: 99.7%             | MEDIUM SAND: 2.3%   |             |             |
| MODE 3:               |                   |               | MUD: 0.3%               | FINE SAND: 68.8%    |             |             |
| $D_{10}$ :            | 101.6             | 2.323         |                         | V FINE SAND: 28.5%  |             |             |
| MEDIAN or $D_{50}$ :  | 145.2             | 2.784         | V COARSE GRAVEL: 0.0%   | V COARSE SILT: 0.3% |             |             |
| $D_{90}$ :            | 199.8             | 3.299         | COARSE GRAVEL: 0.0%     | COARSE SILT: 0.0%   |             |             |
| $(D_{90} / D_{10})$ : | 1.967             | 1.420         | MEDIUM GRAVEL: 0.0%     | MEDIUM SILT: 0.0%   |             |             |
| $(D_{90} - D_{10})$ : | 98.20             | 0.976         | FINE GRAVEL: 0.0%       | FINE SILT: 0.0%     |             |             |
| $(D_{75} / D_{25})$ : | 1.436             | 1.206         | V FINE GRAVEL: 0.0%     | V FINE SILT: 0.0%   |             |             |
| $(D_{75} - D_{25})$ : | 52.54             | 0.522         | V COARSE SAND: 0.0%     | 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 ( $\bar{x}$ ):   | 150.2             | 143.4         | 2.802                   | 144.4               | 2.792       | Fine Sand   |
| SORTING ( $\sigma$ ): | 47.01             | 1.337         | 0.419                   | 1.316               | 0.396       | Well Sorted |
| SKEWNESS ( $Sk$ ):    | 2.551             | -0.041        | 0.041                   | -0.109              | 0.109       | Fine Skewed |
| KURTOSIS ( $K$ ):     | 22.54             | 4.700         | 4.700                   | 1.058               | 1.058       | Mesokurtic  |

**GRAIN SIZE DISTRIBUTION**