

SIEVING ERROR: 0.5%

**SAMPLE STATISTICS**SAMPLE IDENTITY: **AL-91-16\_323**

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

SAMPLE TYPE: Bimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Fine Sand

|                       | $\mu\text{m}$     | $\phi$        | GRAIN SIZE DISTRIBUTION |                     |             |                        |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|------------------------|
| MODE 1:               | 193.5             | 2.375         | GRAVEL: 0.0%            | COARSE SAND: 3.5%   |             |                        |
| MODE 2:               | 273.5             | 1.876         | SAND: 99.9%             | MEDIUM SAND: 29.7%  |             |                        |
| MODE 3:               |                   |               | MUD: 0.1%               | FINE SAND: 59.1%    |             |                        |
| $D_{10}$ :            | 137.3             | 1.549         |                         | V FINE SAND: 5.4%   |             |                        |
| MEDIAN or $D_{50}$ :  | 207.5             | 2.269         | V COARSE GRAVEL: 0.0%   | V COARSE SILT: 0.1% |             |                        |
| $D_{90}$ :            | 341.7             | 2.864         | COARSE GRAVEL: 0.0%     | COARSE SILT: 0.0%   |             |                        |
| $(D_{90} / D_{10})$ : | 2.488             | 1.849         | MEDIUM GRAVEL: 0.0%     | MEDIUM SILT: 0.0%   |             |                        |
| $(D_{90} - D_{10})$ : | 204.4             | 1.315         | FINE GRAVEL: 0.0%       | FINE SILT: 0.0%     |             |                        |
| $(D_{75} / D_{25})$ : | 1.589             | 1.356         | V FINE GRAVEL: 0.0%     | V FINE SILT: 0.0%   |             |                        |
| $(D_{75} - D_{25})$ : | 100.8             | 0.668         | V COARSE SAND: 2.1%     | 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 ( $\bar{x}$ ):   | 256.4             | 223.1         | 2.164                   | 210.2               | 2.250       | Fine Sand              |
| SORTING ( $\sigma$ ): | 185.4             | 1.586         | 0.665                   | 1.480               | 0.566       | Moderately Well Sorted |
| SKEWNESS ( $Sk$ ):    | 3.718             | 1.334         | -1.334                  | 0.179               | -0.179      | Coarse Skewed          |
| KURTOSIS ( $K$ ):     | 18.36             | 6.505         | 6.505                   | 1.344               | 1.344       | Leptokurtic            |

**GRAIN SIZE DISTRIBUTION**