

SIEVING ERROR: 0.4%

SAMPLE STATISTICSSAMPLE IDENTITY: **AL-91-2_25**

ANALYST & DATE: TB/RM, 2/23/94

SAMPLE TYPE: Bimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Fine Sand

| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|------------------------|
| MODE 1: | 193.5 | 2.375 | GRAVEL: 0.0% | COARSE SAND: 3.3% | | |
| MODE 2: | 273.5 | 1.876 | SAND: 99.7% | MEDIUM SAND: 25.3% | | |
| MODE 3: | | | MUD: 0.3% | FINE SAND: 65.9% | | |
| D_{10} : | 138.3 | 1.611 | | V FINE SAND: 5.1% | | |
| MEDIAN or D_{50} : | 201.3 | 2.313 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.3% | | |
| D_{90} : | 327.4 | 2.854 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 2.367 | 1.772 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 189.1 | 1.243 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 1.530 | 1.316 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 90.08 | 0.613 | V COARSE SAND: 0.2% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 230.7 | 211.7 | 2.240 | 206.7 | 2.274 | Fine Sand |
| SORTING (σ): | 113.0 | 1.466 | 0.552 | 1.419 | 0.504 | Moderately Well Sorted |
| SKEWNESS (Sk): | 3.093 | 0.724 | -0.724 | 0.178 | -0.178 | Coarse Skewed |
| KURTOSIS (K): | 17.02 | 5.213 | 5.213 | 1.234 | 1.234 | Leptokurtic |

GRAIN SIZE DISTRIBUTION