

SIEVING ERROR: 0.2%

SAMPLE STATISTICSSAMPLE IDENTITY: **AL-91-13_175**

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

SAMPLE TYPE: Unimodal, Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Well Sorted Fine Sand

| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|-------------|
| MODE 1: | 193.5 | 2.375 | GRAVEL: 0.0% | COARSE SAND: 0.2% | | |
| MODE 2: | | | SAND: 99.9% | MEDIUM SAND: 4.1% | | |
| MODE 3: | | | MUD: 0.1% | FINE SAND: 71.3% | | |
| D_{10} : | 108.0 | 2.254 | | V FINE SAND: 24.3% | | |
| MEDIAN or D_{50} : | 154.2 | 2.697 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.1% | | |
| D_{90} : | 209.7 | 3.211 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 1.941 | 1.425 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 101.7 | 0.957 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 1.489 | 1.237 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 61.43 | 0.574 | V COARSE SAND: 0.0% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 160.5 | 153.3 | 2.706 | 152.5 | 2.713 | Fine Sand |
| SORTING (σ): | 49.91 | 1.333 | 0.415 | 1.324 | 0.405 | Well Sorted |
| SKEWNESS (Sk): | 2.115 | 0.147 | -0.147 | -0.037 | 0.037 | Symmetrical |
| KURTOSIS (K): | 15.74 | 4.041 | 4.041 | 0.963 | 0.963 | Mesokurtic |

GRAIN SIZE DISTRIBUTION