

SIEVING ERROR: 0.1%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-93-3_225**

ANALYST & DATE: TB/RM, 7/29/1993

SAMPLE TYPE: Bimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Medium Sand

| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|------------------------|
| MODE 1: | 460.0 | 1.126 | GRAVEL: 0.0% | COARSE SAND: 31.8% | | |
| MODE 2: | 273.5 | 1.876 | SAND: 99.8% | MEDIUM SAND: 56.5% | | |
| MODE 3: | | | MUD: 0.2% | FINE SAND: 8.8% | | |
| D_{10} : | 249.0 | 0.547 | | V FINE SAND: 1.1% | | |
| MEDIAN or D_{50} : | 426.7 | 1.229 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.2% | | |
| D_{90} : | 684.3 | 2.006 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 2.748 | 3.664 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 435.3 | 1.458 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 1.790 | 1.959 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 240.5 | 0.840 | V COARSE SAND: 1.7% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 449.1 | 408.0 | 1.293 | 410.8 | 1.284 | Medium Sand |
| SORTING (σ): | 194.0 | 1.555 | 0.637 | 1.519 | 0.603 | Moderately Well Sorted |
| SKEWNESS (Sk): | 1.172 | -0.497 | 0.497 | -0.120 | 0.120 | Fine Skewed |
| KURTOSIS (K): | 5.392 | 4.258 | 4.258 | 1.015 | 1.015 | Mesokurtic |

GRAIN SIZE DISTRIBUTION