

SIEVING ERROR: 0.3%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-93-3_150**

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: 29.6% | | |
| MODE 2: | 273.5 | 1.876 | SAND: 99.7% | MEDIUM SAND: 59.9% | | |
| MODE 3: | | | MUD: 0.3% | FINE SAND: 8.5% | | |
| D_{10} : | 250.8 | 0.640 | | V FINE SAND: 0.9% | | |
| MEDIAN or D_{50} : | 414.6 | 1.270 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.3% | | |
| D_{90} : | 641.9 | 1.995 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 2.559 | 3.120 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 391.1 | 1.356 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 1.750 | 1.877 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 226.4 | 0.807 | V COARSE SAND: 0.8% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 432.4 | 397.4 | 1.332 | 401.7 | 1.316 | Medium Sand |
| SORTING (σ): | 172.3 | 1.517 | 0.601 | 1.478 | 0.563 | Moderately Well Sorted |
| SKEWNESS (Sk): | 1.034 | -0.643 | 0.643 | -0.127 | 0.127 | Fine Skewed |
| KURTOSIS (K): | 5.341 | 4.757 | 4.757 | 0.965 | 0.965 | Mesokurtic |

GRAIN SIZE DISTRIBUTION