

SIEVING ERROR: 0.4%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-93-6_100**

ANALYST & DATE: TB/RM, 7/31/1993

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: 1.3% | | |
| MODE 2: | 273.5 | 1.876 | SAND: 99.6% | MEDIUM SAND: 20.6% | | |
| MODE 3: | | | MUD: 0.4% | FINE SAND: 54.9% | | |
| D_{10} : | 105.7 | 1.727 | | V FINE SAND: 22.8% | | |
| MEDIAN or D_{50} : | 169.4 | 2.562 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.4% | | |
| D_{90} : | 302.1 | 3.242 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 2.859 | 1.877 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 196.4 | 1.515 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 1.820 | 1.410 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 104.6 | 0.864 | 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}): | 193.0 | 174.0 | 2.523 | 174.1 | 2.522 | Fine Sand |
| SORTING (σ): | 94.99 | 1.546 | 0.628 | 1.551 | 0.633 | Moderately Well Sorted |
| SKEWNESS (Sk): | 1.896 | 0.336 | -0.336 | 0.106 | -0.106 | Coarse Skewed |
| KURTOSIS (K): | 8.877 | 3.114 | 3.114 | 0.995 | 0.995 | Mesokurtic |

GRAIN SIZE DISTRIBUTION