

SIEVING ERROR: 0.6%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-92-1_300**

ANALYST & DATE: TB/RM, 8/23/92

SAMPLE TYPE: Bimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Fine Sand

| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|------------------------|
| MODE 1: | 273.5 | 1.876 | GRAVEL: 0.0% | COARSE SAND: 5.9% | | |
| MODE 2: | 193.5 | 2.375 | SAND: 99.7% | MEDIUM SAND: 42.0% | | |
| MODE 3: | | | MUD: 0.3% | FINE SAND: 46.9% | | |
| D_{10} : | 141.8 | 1.174 | | V FINE SAND: 4.9% | | |
| MEDIAN or D_{50} : | 242.5 | 2.044 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.3% | | |
| D_{90} : | 443.2 | 2.818 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 3.124 | 2.400 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 301.3 | 1.644 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 1.703 | 1.452 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 127.0 | 0.768 | 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}): | 265.7 | 240.9 | 2.053 | 242.8 | 2.042 | Fine Sand |
| SORTING (σ): | 122.1 | 1.539 | 0.622 | 1.538 | 0.621 | Moderately Well Sorted |
| SKEWNESS (Sk): | 1.363 | 0.097 | -0.097 | 0.034 | -0.034 | Symmetrical |
| KURTOSIS (K): | 5.153 | 3.137 | 3.137 | 1.106 | 1.106 | Mesokurtic |

GRAIN SIZE DISTRIBUTION