

SIEVING ERROR: 0.5%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-92-5_125**

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

SAMPLE TYPE: Polymodal, Moderately Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Sorted Fine Sand

| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|-------------------|
| MODE 1: | 193.5 | 2.375 | GRAVEL: 0.0% | COARSE SAND: 8.3% | | |
| MODE 2: | 115.0 | 3.126 | SAND: 99.3% | MEDIUM SAND: 20.0% | | |
| MODE 3: | 273.5 | 1.876 | MUD: 0.7% | FINE SAND: 45.9% | | |
| D_{10} : | 101.9 | 1.064 | | V FINE SAND: 24.5% | | |
| MEDIAN or D_{50} : | 176.9 | 2.499 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.7% | | |
| D_{90} : | 478.4 | 3.295 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 4.695 | 3.097 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 376.5 | 2.231 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 2.159 | 1.587 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 144.6 | 1.110 | V COARSE SAND: 0.7% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 236.3 | 193.1 | 2.372 | 190.8 | 2.390 | Fine Sand |
| SORTING (σ): | 178.4 | 1.808 | 0.854 | 1.790 | 0.840 | Moderately Sorted |
| SKEWNESS (Sk): | 2.277 | 0.676 | -0.676 | 0.230 | -0.230 | Coarse Skewed |
| KURTOSIS (K): | 8.820 | 3.196 | 3.196 | 1.040 | 1.040 | Mesokurtic |

GRAIN SIZE DISTRIBUTION