

SIEVING ERROR: 1.3%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-92-5_243**

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

SAMPLE TYPE: Polymodal, Poorly Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Poorly Sorted Very Fine Sand

| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|--------------------|
| MODE 1: | 115.0 | 3.126 | GRAVEL: 0.0% | COARSE SAND: 11.9% | | |
| MODE 2: | 193.5 | 2.375 | SAND: 97.5% | MEDIUM SAND: 14.5% | | |
| MODE 3: | 273.5 | 1.876 | MUD: 2.5% | FINE SAND: 29.7% | | |
| D_{10} : | 80.26 | 0.751 | | V FINE SAND: 38.9% | | |
| MEDIAN or D_{50} : | 146.0 | 2.776 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 2.5% | | |
| D_{90} : | 594.3 | 3.639 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 7.405 | 4.848 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 514.0 | 2.888 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 2.622 | 1.759 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 173.9 | 1.391 | V COARSE SAND: 2.4% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 252.0 | 180.4 | 2.471 | 183.5 | 2.446 | Fine Sand |
| SORTING (σ): | 245.8 | 2.140 | 1.097 | 2.176 | 1.122 | Poorly Sorted |
| SKEWNESS (Sk): | 2.117 | 0.705 | -0.705 | 0.411 | -0.411 | Very Coarse Skewed |
| KURTOSIS (K): | 7.332 | 2.800 | 2.800 | 1.050 | 1.050 | Mesokurtic |

GRAIN SIZE DISTRIBUTION