

SIEVING ERROR: 1.6%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-92-5_228**

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: 12.8% | | |
| MODE 2: | 193.5 | 2.375 | SAND: 94.0% | MEDIUM SAND: 20.9% | | |
| MODE 3: | 273.5 | 1.876 | MUD: 6.0% | FINE SAND: 29.1% | | |
| D_{10} : | 76.34 | 0.826 | | V FINE SAND: 30.0% | | |
| MEDIAN or D_{50} : | 167.0 | 2.582 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 5.9% | | |
| D_{90} : | 564.0 | 3.711 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.1% | | |
| (D_{90} / D_{10}) : | 7.388 | 4.492 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 487.7 | 2.885 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 3.036 | 2.022 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 226.3 | 1.602 | V COARSE SAND: 1.2% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 258.4 | 188.6 | 2.407 | 195.6 | 2.354 | Fine Sand |
| SORTING (σ): | 223.6 | 2.186 | 1.128 | 2.201 | 1.138 | Poorly Sorted |
| SKEWNESS (Sk): | 1.792 | 0.194 | -0.194 | 0.228 | -0.228 | Coarse Skewed |
| KURTOSIS (K): | 6.375 | 2.537 | 2.537 | 0.944 | 0.944 | Mesokurtic |

GRAIN SIZE DISTRIBUTION