

SIEVING ERROR: 0.5%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-93-1_325**

ANALYST & DATE: TB/RM, 7/29/1993

SAMPLE TYPE: Trimodal, Moderately Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Sorted Medium Sand

| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|-------------------|
| MODE 1: | 273.5 | 1.876 | GRAVEL: 0.0% | COARSE SAND: 12.2% | | |
| MODE 2: | 193.5 | 2.375 | SAND: 99.8% | MEDIUM SAND: 42.7% | | |
| MODE 3: | 460.0 | 1.126 | MUD: 0.2% | FINE SAND: 38.6% | | |
| D_{10} : | 136.3 | 0.919 | | V FINE SAND: 6.1% | | |
| MEDIAN or D_{50} : | 263.3 | 1.925 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.2% | | |
| D_{90} : | 529.0 | 2.875 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 3.881 | 3.129 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 392.7 | 1.956 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 2.156 | 1.808 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 207.3 | 1.108 | V COARSE SAND: 0.3% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 301.6 | 263.4 | 1.924 | 266.7 | 1.907 | Medium Sand |
| SORTING (σ): | 162.6 | 1.667 | 0.737 | 1.682 | 0.750 | Moderately Sorted |
| SKEWNESS (Sk): | 1.351 | 0.100 | -0.100 | 0.024 | -0.024 | Symmetrical |
| KURTOSIS (K): | 5.311 | 2.569 | 2.569 | 0.857 | 0.857 | Platykurtic |

GRAIN SIZE DISTRIBUTION