

SIEVING ERROR: 0.1%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-92-4_175**

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

SAMPLE TYPE: Bimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Medium Sand

| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|------------------------|
| MODE 1: | 273.5 | 1.876 | GRAVEL: 0.0% | COARSE SAND: 5.6% | | |
| MODE 2: | 193.5 | 2.375 | SAND: 100.0% | MEDIUM SAND: 66.3% | | |
| MODE 3: | | | MUD: 0.0% | FINE SAND: 26.7% | | |
| D_{10} : | 180.4 | 1.135 | | V FINE SAND: 1.4% | | |
| MEDIAN or D_{50} : | 286.4 | 1.804 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.0% | | |
| D_{90} : | 455.4 | 2.471 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 2.525 | 2.177 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 275.0 | 1.336 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 1.491 | 1.376 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 113.9 | 0.576 | 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}): | 303.8 | 284.5 | 1.813 | 282.6 | 1.823 | Medium Sand |
| SORTING (σ): | 110.9 | 1.423 | 0.509 | 1.433 | 0.519 | Moderately Well Sorted |
| SKEWNESS (Sk): | 1.356 | -0.086 | 0.086 | -0.040 | 0.040 | Symmetrical |
| KURTOSIS (K): | 7.030 | 3.473 | 3.473 | 1.224 | 1.224 | Leptokurtic |

GRAIN SIZE DISTRIBUTION