

SIEVING ERROR: 0.4%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-91-02_250**

ANALYST & DATE: SA/RM, 8/19/91

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: 28.7% | | |
| MODE 2: | 547.5 | 0.875 | SAND: 99.7% | MEDIUM SAND: 43.8% | | |
| MODE 3: | 193.5 | 2.375 | MUD: 0.3% | FINE SAND: 22.6% | | |
| D_{10} : | 184.3 | 0.424 | | V FINE SAND: 1.1% | | |
| MEDIAN or D_{50} : | 361.6 | 1.467 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.3% | | |
| D_{90} : | 745.3 | 2.440 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 4.045 | 5.754 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 561.1 | 2.016 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 2.169 | 2.288 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 295.4 | 1.117 | V COARSE SAND: 3.5% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 428.1 | 367.8 | 1.443 | 361.7 | 1.467 | Medium Sand |
| SORTING (σ): | 242.0 | 1.732 | 0.792 | 1.730 | 0.791 | Moderately Sorted |
| SKEWNESS (Sk): | 1.303 | -0.084 | 0.084 | 0.033 | -0.033 | Symmetrical |
| KURTOSIS (K): | 4.783 | 3.071 | 3.071 | 0.938 | 0.938 | Mesokurtic |

GRAIN SIZE DISTRIBUTION