

SIEVING ERROR: 0.1%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-91-12_275**

ANALYST & DATE: TC/RM, 8/20/91

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: 5.4% | | |
| MODE 2: | 193.5 | 2.375 | SAND: 100.0% | MEDIUM SAND: 50.9% | | |
| MODE 3: | | | MUD: 0.0% | FINE SAND: 43.2% | | |
| D_{10} : | 173.2 | 1.206 | | V FINE SAND: 0.5% | | |
| MEDIAN or D_{50} : | 259.8 | 1.944 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.0% | | |
| D_{90} : | 433.6 | 2.529 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 2.503 | 2.098 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 260.4 | 1.324 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 1.564 | 1.384 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 112.6 | 0.645 | 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}): | 279.4 | 261.0 | 1.938 | 259.7 | 1.945 | Medium Sand |
| SORTING (σ): | 109.4 | 1.418 | 0.504 | 1.418 | 0.504 | Moderately Well Sorted |
| SKEWNESS (Sk): | 1.576 | 0.486 | -0.486 | 0.068 | -0.068 | Symmetrical |
| KURTOSIS (K): | 6.071 | 3.232 | 3.232 | 1.084 | 1.084 | Mesokurtic |

GRAIN SIZE DISTRIBUTION