

SIEVING ERROR: 0.5%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-91-03_75**

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

SAMPLE TYPE: Bimodal, Moderately Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Moderately Well Sorted Medium Sand

| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|------------------------|
| MODE 1: | 547.5 | 0.875 | GRAVEL: 0.0% | COARSE SAND: 41.8% | | |
| MODE 2: | 273.5 | 1.876 | SAND: 100.0% | MEDIUM SAND: 47.0% | | |
| MODE 3: | | | MUD: 0.0% | FINE SAND: 4.3% | | |
| D_{10} : | 273.9 | 0.136 | | V FINE SAND: 0.1% | | |
| MEDIAN or D_{50} : | 492.0 | 1.023 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.0% | | |
| D_{90} : | 909.7 | 1.868 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 3.322 | 13.69 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 635.9 | 1.732 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 1.833 | 2.389 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 293.8 | 0.874 | V COARSE SAND: 6.7% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 545.6 | 490.2 | 1.029 | 487.5 | 1.036 | Medium Sand |
| SORTING (σ): | 263.2 | 1.570 | 0.650 | 1.581 | 0.661 | Moderately Well Sorted |
| SKEWNESS (Sk): | 1.392 | 0.122 | -0.122 | 0.029 | -0.029 | Symmetrical |
| KURTOSIS (K): | 5.221 | 2.986 | 2.986 | 0.991 | 0.991 | Mesokurtic |

GRAIN SIZE DISTRIBUTION