

SIEVING ERROR: 0.0%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-91-08_270**

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

SAMPLE TYPE: Polymodal, 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: 15.4% | | |
| MODE 2: | 193.5 | 2.375 | SAND: 100.0% | MEDIUM SAND: 53.1% | | |
| MODE 3: | 460.0 | 1.126 | MUD: 0.0% | FINE SAND: 25.9% | | |
| D_{10} : | 182.8 | 0.487 | | V FINE SAND: 0.7% | | |
| MEDIAN or D_{50} : | 312.5 | 1.678 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.0% | | |
| D_{90} : | 713.6 | 2.452 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 3.904 | 5.037 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 530.9 | 1.965 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 1.911 | 1.835 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 219.6 | 0.935 | V COARSE SAND: 4.9% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 390.4 | 337.6 | 1.566 | 326.1 | 1.617 | Medium Sand |
| SORTING (σ): | 233.3 | 1.667 | 0.738 | 1.699 | 0.764 | Moderately Sorted |
| SKEWNESS (Sk): | 1.669 | 0.522 | -0.522 | 0.198 | -0.198 | Coarse Skewed |
| KURTOSIS (K): | 5.292 | 2.880 | 2.880 | 1.152 | 1.152 | Leptokurtic |

GRAIN SIZE DISTRIBUTION