

SIEVING ERROR: 1.6%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-92-5_208**

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

SAMPLE TYPE: Polymodal, Poorly Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Poorly Sorted Very Fine Sand

| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|---------------|
| MODE 1: | 115.0 | 3.126 | GRAVEL: 0.0% | COARSE SAND: 16.8% | | |
| MODE 2: | 193.5 | 2.375 | SAND: 94.7% | MEDIUM SAND: 18.0% | | |
| MODE 3: | 273.5 | 1.876 | MUD: 5.3% | FINE SAND: 27.2% | | |
| D_{10} : | 80.50 | 0.430 | | V FINE SAND: 28.5% | | |
| MEDIAN or D_{50} : | 178.2 | 2.488 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 5.2% | | |
| D_{90} : | 742.4 | 3.635 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.1% | | |
| (D_{90} / D_{10}) : | 9.221 | 8.457 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 661.9 | 3.205 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 3.853 | 2.615 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 321.2 | 1.946 | V COARSE SAND: 4.1% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 307.6 | 210.1 | 2.251 | 215.7 | 2.213 | Fine Sand |
| SORTING (σ): | 288.6 | 2.362 | 1.240 | 2.380 | 1.251 | Poorly Sorted |
| SKEWNESS (Sk): | 1.605 | 0.271 | -0.271 | 0.268 | -0.268 | Coarse Skewed |
| KURTOSIS (K): | 4.969 | 2.309 | 2.309 | 0.839 | 0.839 | Platykurtic |

GRAIN SIZE DISTRIBUTION