

SIEVING ERROR: 0.3%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-91-13_377**

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

SAMPLE TYPE: Bimodal, Well Sorted

TEXTURAL GROUP: Sand

SEDIMENT NAME: Well Sorted Fine Sand

| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|---------------|
| MODE 1: | 193.5 | 2.375 | GRAVEL: 0.0% | COARSE SAND: 2.8% | | |
| MODE 2: | 273.5 | 1.876 | SAND: 100.0% | MEDIUM SAND: 36.6% | | |
| MODE 3: | | | MUD: 0.0% | FINE SAND: 59.4% | | |
| D_{10} : | 158.5 | 1.534 | | V FINE SAND: 0.9% | | |
| MEDIAN or D_{50} : | 222.0 | 2.171 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.0% | | |
| D_{90} : | 345.4 | 2.657 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 2.179 | 1.733 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 186.9 | 1.124 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 1.506 | 1.319 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 93.28 | 0.590 | V COARSE SAND: 0.3% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 248.4 | 231.9 | 2.108 | 224.1 | 2.158 | Fine Sand |
| SORTING (σ): | 108.5 | 1.400 | 0.486 | 1.353 | 0.436 | Well Sorted |
| SKEWNESS (Sk): | 3.303 | 1.041 | -1.041 | 0.154 | -0.154 | Coarse Skewed |
| KURTOSIS (K): | 19.98 | 5.311 | 5.311 | 1.092 | 1.092 | Mesokurtic |

GRAIN SIZE DISTRIBUTION