

SIEVING ERROR: 0.8%

SAMPLE STATISTICSSAMPLE IDENTITY: **PEN-93-4_125**

ANALYST & DATE: SA/RM, 7/29/1993

SAMPLE TYPE: Trimodal, Moderately Sorted

TEXTURAL GROUP: Gravelly Sand

SEDIMENT NAME: Very Fine Gravelly Coarse Sand

| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|-------------------|
| MODE 1: | 920.5 | 0.125 | GRAVEL: 10.2% | COARSE SAND: 44.9% | | |
| MODE 2: | 2189.0 | -1.125 | SAND: 89.8% | MEDIUM SAND: 7.0% | | |
| MODE 3: | 547.5 | 0.875 | MUD: 0.0% | FINE SAND: 0.1% | | |
| D_{10} : | 527.5 | -1.005 | | V FINE SAND: 0.0% | | |
| MEDIAN or D_{50} : | 979.6 | 0.030 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.0% | | |
| D_{90} : | 2006.9 | 0.923 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 3.804 | -0.918 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 1479.4 | 1.928 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 1.967 | -1.062 | V FINE GRAVEL: 10.2% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 682.6 | 0.976 | V COARSE SAND: 37.8% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 1104.6 | 987.9 | 0.018 | 984.1 | 0.023 | Coarse Sand |
| SORTING (σ): | 514.6 | 1.601 | 0.679 | 1.637 | 0.711 | Moderately Sorted |
| SKEWNESS (Sk): | 0.772 | -0.095 | 0.095 | 0.021 | -0.021 | Symmetrical |
| KURTOSIS (K): | 2.702 | 2.462 | 2.462 | 0.944 | 0.944 | Mesokurtic |

GRAIN SIZE DISTRIBUTION