

SIEVING ERROR: 0.2%

SAMPLE STATISTICS

SAMPLE IDENTITY: **SR-49-100**

ANALYST & DATE: ,

SAMPLE TYPE: Bimodal, Poorly Sorted

TEXTURAL GROUP: Gravelly Sand

SEDIMENT NAME: Very Fine Gravelly Fine Sand

| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|--------------------|
| MODE 1: | 215.0 | 2.237 | GRAVEL: 14.2% | COARSE SAND: 4.5% | | |
| MODE 2: | 3400.0 | -1.743 | SAND: 85.4% | MEDIUM SAND: 15.3% | | |
| MODE 3: | | | MUD: 0.4% | FINE SAND: 48.9% | | |
| D_{10} : | 120.0 | -1.381 | | V FINE SAND: 10.7% | | |
| MEDIAN or D_{50} : | 220.0 | 2.184 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.1% | | |
| D_{90} : | 2605.2 | 3.059 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.1% | | |
| (D_{90} / D_{10}) : | 21.72 | -2.215 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.1% | | |
| $(D_{90} - D_{10})$: | 2485.3 | 4.441 | FINE GRAVEL: 2.8% | FINE SILT: 0.1% | | |
| (D_{75} / D_{25}) : | 3.119 | 2.573 | V FINE GRAVEL: 11.4% | V FINE SILT: 0.1% | | |
| $(D_{75} - D_{25})$: | 329.6 | 1.641 | V COARSE SAND: 6.0% | CLAY: 0.1% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 741.5 | 330.0 | 1.599 | 365.1 | 1.454 | Medium Sand |
| SORTING (σ): | 1136.3 | 3.125 | 1.644 | 3.198 | 1.677 | Poorly Sorted |
| SKEWNESS (Sk): | 2.137 | 0.916 | -0.916 | 0.584 | -0.584 | Very Coarse Skewed |
| KURTOSIS (K): | 6.609 | 3.237 | 3.237 | 1.280 | 1.280 | Leptokurtic |

GRAIN SIZE DISTRIBUTION

