

SIEVING ERROR: 0.2%

SAMPLE STATISTICS

SAMPLE IDENTITY: **SR-38-400**

ANALYST & DATE: ,

SAMPLE TYPE: Unimodal, Moderately Sorted

TEXTURAL GROUP: Slightly Gravelly Sand

SEDIMENT NAME: Slightly Very Fine Gravelly Medium Sand

| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|-------------------|
| MODE 1: | 302.5 | 1.747 | GRAVEL: 2.4% | COARSE SAND: 20.2% | | |
| MODE 2: | | | SAND: 97.5% | MEDIUM SAND: 46.7% | | |
| MODE 3: | | | MUD: 0.0% | FINE SAND: 19.2% | | |
| D_{10} : | 188.4 | -0.137 | | V FINE SAND: 2.2% | | |
| MEDIAN or D_{50} : | 369.5 | 1.436 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.0% | | |
| D_{90} : | 1099.4 | 2.408 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 5.836 | -17.610 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 911.0 | 2.545 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 2.341 | 2.746 | V FINE GRAVEL: 2.4% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 351.9 | 1.227 | V COARSE SAND: 9.2% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 542.3 | 411.0 | 1.283 | 407.8 | 1.294 | Medium Sand |
| SORTING (σ): | 486.8 | 1.983 | 0.987 | 1.992 | 0.994 | Moderately Sorted |
| SKEWNESS (Sk): | 2.745 | 0.495 | -0.495 | 0.218 | -0.218 | Coarse Skewed |
| KURTOSIS (K): | 12.49 | 3.666 | 3.666 | 1.121 | 1.121 | Leptokurtic |

GRAIN SIZE DISTRIBUTION

