

SIEVING ERROR: -0.6%

SAMPLE STATISTICSSAMPLE IDENTITY: **020806-1-1a**

ANALYST & DATE: dckm&sdej, 8/26/2002

SAMPLE TYPE: Unimodal, Well Sorted

TEXTURAL GROUP: Slightly Gravelly Sand

SEDIMENT NAME: Slightly Very Fine Gravelly Medium Sand

| | μm | ϕ | GRAIN SIZE DISTRIBUTION | | | |
|-----------------------|-------------------|---------------|-------------------------|---------------------|-------------|---------------|
| MODE 1: | 275.0 | 1.868 | GRAVEL: 0.0% | COARSE SAND: 4.9% | | |
| MODE 2: | | | SAND: 100.0% | MEDIUM SAND: 72.3% | | |
| MODE 3: | | | MUD: 0.0% | FINE SAND: 22.7% | | |
| D_{10} : | 222.0 | 1.209 | | V FINE SAND: 0.1% | | |
| MEDIAN or D_{50} : | 296.7 | 1.753 | V COARSE GRAVEL: 0.0% | V COARSE SILT: 0.0% | | |
| D_{90} : | 432.6 | 2.171 | COARSE GRAVEL: 0.0% | COARSE SILT: 0.0% | | |
| (D_{90} / D_{10}) : | 1.949 | 1.796 | MEDIUM GRAVEL: 0.0% | MEDIUM SILT: 0.0% | | |
| $(D_{90} - D_{10})$: | 210.6 | 0.963 | FINE GRAVEL: 0.0% | FINE SILT: 0.0% | | |
| (D_{75} / D_{25}) : | 1.404 | 1.329 | V FINE GRAVEL: 0.0% | V FINE SILT: 0.0% | | |
| $(D_{75} - D_{25})$: | 102.4 | 0.490 | V COARSE SAND: 0.0% | CLAY: 0.0% | | |
| | METHOD OF MOMENTS | | | FOLK & WARD METHOD | | |
| | Arithmetic | Geometric | Logarithmic | Geometric | Logarithmic | Description |
| | μm | μm | ϕ | μm | ϕ | |
| MEAN (\bar{x}): | 318.7 | 305.7 | 1.710 | 302.6 | 1.725 | Medium Sand |
| SORTING (σ): | 97.38 | 1.306 | 0.386 | 1.300 | 0.378 | Well Sorted |
| SKEWNESS (Sk): | 2.658 | 0.636 | -0.636 | 0.163 | -0.163 | Coarse Skewed |
| KURTOSIS (K): | 25.68 | 4.348 | 4.348 | 1.039 | 1.039 | Mesokurtic |

GRAIN SIZE DISTRIBUTION