

## SAMPLE STATISTICS

|                  |                                       |  |
|------------------|---------------------------------------|--|
| SIEVING ERROR:   | 0.0%                                  | VIBRACORE                              |
| SAMPLE IDENTITY: | <b>SR-6-40</b>                        | SIEVE INTERVAL ½ ϕ                     |
| SAMPLE TYPE:     | Unimodal, Moderately Sorted           | ANALYST & DATE:                        |
| SEDIMENT NAME:   | Slightly Very Fine Gravelly Fine Sand | TEXTURAL GROUP: Slightly Gravelly Sand |

|                                       |       |       | GRAIN SIZE DISTRIBUTION |       |                |       |
|---------------------------------------|-------|-------|-------------------------|-------|----------------|-------|
|                                       | μm    | ϕ     |                         |       |                |       |
| MODE 1:                               | 215.0 | 2.237 | GRAVEL:                 | 1.4%  | COARSE SAND:   | 7.7%  |
| MODE 2:                               |       |       | SAND:                   | 98.5% | MEDIUM SAND:   | 34.3% |
| MODE 3:                               |       |       | MUD:                    | 0.1%  | FINE SAND:     | 50.2% |
| D <sub>10</sub> :                     | 147.0 | 0.754 |                         |       | V FINE SAND:   | 2.8%  |
| MEDIAN or D <sub>50</sub> :           | 242.7 | 2.043 | V COARSE GRAVEL:        | 0.0%  | V COARSE SILT: | 0.0%  |
| D <sub>90</sub> :                     | 592.8 | 2.766 | COARSE GRAVEL:          | 0.0%  | COARSE SILT:   | 0.0%  |
| (D <sub>90</sub> / D <sub>10</sub> ): | 4.033 | 3.667 | MEDIUM GRAVEL:          | 0.0%  | MEDIUM SILT:   | 0.0%  |
| (D <sub>90</sub> - D <sub>10</sub> ): | 445.8 | 2.012 | FINE GRAVEL:            | 0.3%  | FINE SILT:     | 0.0%  |
| (D <sub>75</sub> / D <sub>25</sub> ): | 1.813 | 1.561 | V FINE GRAVEL:          | 1.1%  | V FINE SILT:   | 0.0%  |
| (D <sub>75</sub> - D <sub>25</sub> ): | 155.2 | 0.858 | V COARSE SAND:          | 3.5%  | CLAY:          | 0.0%  |

|            | METHOD OF MOMENTS |           |             | FOLK & WARD METHOD |             |                    |
|------------|-------------------|-----------|-------------|--------------------|-------------|--------------------|
|            | Arithmetic        | Geometric | Logarithmic | Geometric          | Logarithmic | Description        |
|            | μm                | μm        | ϕ           | μm                 | ϕ           |                    |
| MEAN :     | 364.2             | 276.6     | 1.854       | 263.6              | 1.923       | Medium Sand        |
| SORTING :  | 437.6             | 1.841     | 0.880       | 1.733              | 0.793       | Moderately Sorted  |
| SKEWNESS : | 5.780             | 1.343     | -1.343      | 0.322              | -0.322      | Very Coarse Skewed |
| KURTOSIS : | 47.09             | 7.003     | 7.003       | 1.387              | 1.387       | Leptokurtic        |

# GRAIN SIZE DISTRIBUTION

