

\*\*\* GRAIN-SIZE ANALYSES REPORT \*\*\*  
COASTAL STUDIES INSTITUTE, LOUISIANA STATE UNIVERSITY

SAMPLE: WA-35 0.0'

| PHI (MM)       | WEIGHT (G) | WEIGHT % | CUMULATIVE WEIGHT % |
|----------------|------------|----------|---------------------|
| -4.25 (19.027) | 0.000      | 0.00     | 0.00                |
| -4.00 (16.000) | 0.000      | 0.00     | 0.00                |
| -3.50 (11.314) | 0.000      | 0.00     | 0.00                |
| -3.00 ( 8.000) | 0.000      | 0.00     | 0.00                |
| -2.50 ( 5.657) | 0.000      | 0.00     | 0.00                |
| -2.25 ( 4.757) | 0.000      | 0.00     | 0.00                |
| -2.00 ( 4.000) | 0.000      | 0.00     | 0.00                |
| -1.50 ( 2.828) | 0.000      | 0.00     | 0.00                |
| -1.00 ( 2.000) | 0.000      | 0.00     | 0.00                |
| -0.50 ( 1.414) | 0.000      | 0.00     | 0.00                |
| 0.00 ( 1.000)  | 0.822      | 2.82     | 2.82                |
| 0.50 ( 0.707)  | 1.730      | 5.93     | 8.74                |
| 1.00 ( 0.500)  | 4.377      | 15.00    | 23.74               |
| 1.50 ( 0.354)  | 6.165      | 21.13    | 44.87               |
| 2.00 ( 0.250)  | 9.596      | 32.88    | 77.75               |
| 2.50 ( 0.177)  | 5.036      | 17.26    | 95.01               |
| 3.00 ( 0.125)  | 1.260      | 4.32     | 99.32               |
| 3.50 ( 0.088)  | 0.164      | 0.56     | 99.89               |
| 3.75 ( 0.074)  | 0.015      | 0.05     | 99.94               |
| 4.00 ( 0.063)  | 0.001      | 0.00     | 99.94               |

TOTAL WEIGHT OF SAMPLE IS 29.183 (G)

| STATISTICS OF MOMENTS METHOD |                 |            |            |
|------------------------------|-----------------|------------|------------|
| MEAN PHI (MM)                | SORTING PHI(MM) | SKEWNESS   | KURTOSIS   |
| 1ST MOMENT                   | 2ND MOMENT      | 3RD MOMENT | 4TH MOMENT |
| 1.487 (0.357)                | 0.69 (0.62)     | -0.35      | 2.92       |

GRANULOMETRIC DESCRIPTION:  
MEDIUM SAND; MODERATELY WELL SORTED; SYMMETRICAL; MESOKURITIC

PREPARED BY BL ON 08/20/2007

\*\*\* GRAIN-SIZE ANALYSES REPORT \*\*\*  
COASTAL STUDIES INSTITUTE, LOUISIANA STATE UNIVERSITY

SAMPLE: WA-35 1.5'

| PHI (MM)       | WEIGHT (G) | WEIGHT % | CUMULATIVE WEIGHT % |
|----------------|------------|----------|---------------------|
| -4.25 (19.027) | 0.000      | 0.00     | 0.00                |
| -4.00 (16.000) | 0.000      | 0.00     | 0.00                |
| -3.50 (11.314) | 0.000      | 0.00     | 0.00                |
| -3.00 ( 8.000) | 0.000      | 0.00     | 0.00                |
| -2.50 ( 5.657) | 0.000      | 0.00     | 0.00                |
| -2.25 ( 4.757) | 0.000      | 0.00     | 0.00                |
| -2.00 ( 4.000) | 0.000      | 0.00     | 0.00                |
| -1.50 ( 2.828) | 0.000      | 0.00     | 0.00                |
| -1.00 ( 2.000) | 0.000      | 0.00     | 0.00                |
| -0.50 ( 1.414) | 0.000      | 0.00     | 0.00                |
| 0.00 ( 1.000)  | 0.352      | 1.68     | 1.68                |
| 0.50 ( 0.707)  | 0.739      | 3.52     | 5.20                |
| 1.00 ( 0.500)  | 2.732      | 13.03    | 18.23               |
| 1.50 ( 0.354)  | 4.743      | 22.62    | 40.85               |
| 2.00 ( 0.250)  | 7.553      | 36.02    | 76.87               |
| 2.50 ( 0.177)  | 3.794      | 18.09    | 94.97               |
| 3.00 ( 0.125)  | 0.950      | 4.53     | 99.50               |
| 3.50 ( 0.088)  | 0.093      | 0.44     | 99.94               |
| 3.75 ( 0.074)  | 0.007      | 0.03     | 99.98               |
| 4.00 ( 0.063)  | 0.003      | 0.01     | 99.99               |

TOTAL WEIGHT OF SAMPLE IS 20.968 (G)

| STATISTICS OF MOMENTS METHOD |                 |            |            |
|------------------------------|-----------------|------------|------------|
| MEAN PHI (MM)                | SORTING PHI(MM) | SKEWNESS   | KURTOSIS   |
| 1ST MOMENT                   | 2ND MOMENT      | 3RD MOMENT | 4TH MOMENT |
| 1.563 (0.338)                | 0.63 (0.64)     | -0.37      | 3.25       |

GRANULOMETRIC DESCRIPTION:  
MEDIUM SAND; MODERATELY WELL SORTED; SYMMETRICAL; MESOKURITIC

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\*\*\* GRAIN-SIZE ANALYSES REPORT \*\*\*  
COASTAL STUDIES INSTITUTE, LOUISIANA STATE UNIVERSITY

SAMPLE: WA-35 3.0'

| PHI (MM)       | WEIGHT (G) | WEIGHT % | CUMULATIVE WEIGHT % |
|----------------|------------|----------|---------------------|
| -4.25 (19.027) | 0.000      | 0.00     | 0.00                |
| -4.00 (16.000) | 0.000      | 0.00     | 0.00                |
| -3.50 (11.314) | 0.000      | 0.00     | 0.00                |
| -3.00 ( 8.000) | 0.000      | 0.00     | 0.00                |
| -2.50 ( 5.657) | 0.000      | 0.00     | 0.00                |
| -2.25 ( 4.757) | 0.000      | 0.00     | 0.00                |
| -2.00 ( 4.000) | 0.000      | 0.00     | 0.00                |
| -1.50 ( 2.828) | 0.000      | 0.00     | 0.00                |
| -1.00 ( 2.000) | 0.000      | 0.00     | 0.00                |
| -0.50 ( 1.414) | 0.000      | 0.00     | 0.00                |
| 0.00 ( 1.000)  | 0.231      | 0.87     | 0.87                |
| 0.50 ( 0.707)  | 0.544      | 2.06     | 2.93                |
| 1.00 ( 0.500)  | 2.263      | 8.57     | 11.50               |
| 1.50 ( 0.354)  | 4.932      | 18.67    | 30.17               |
| 2.00 ( 0.250)  | 10.659     | 40.34    | 70.51               |
| 2.50 ( 0.177)  | 6.019      | 22.78    | 93.29               |
| 3.00 ( 0.125)  | 1.586      | 6.00     | 99.29               |
| 3.50 ( 0.088)  | 0.168      | 0.64     | 99.93               |
| 3.75 ( 0.074)  | 0.011      | 0.04     | 99.97               |
| 4.00 ( 0.063)  | 0.000      | 0.00     | 99.97               |

TOTAL WEIGHT OF SAMPLE IS 26.421 (G)

| STATISTICS OF MOMENTS METHOD |                 |            |            |
|------------------------------|-----------------|------------|------------|
| MEAN PHI (MM)                | SORTING PHI(MM) | SKEWNESS   | KURTOSIS   |
| 1ST MOMENT                   | 2ND MOMENT      | 3RD MOMENT | 4TH MOMENT |
| 1.706 (0.306)                | 0.59 (0.67)     | -0.45      | 3.65       |

GRANULOMETRIC DESCRIPTION:  
MEDIUM SAND; MODERATELY WELL SORTED; COARSE SKEWED; MESOKURITIC

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\*\*\* GRAIN-SIZE ANALYSES REPORT \*\*\*  
COASTAL STUDIES INSTITUTE, LOUISIANA STATE UNIVERSITY

SAMPLE: WA-35 4.5'

| PHI (MM)       | WEIGHT (G) | WEIGHT % | CUMULATIVE WEIGHT % |
|----------------|------------|----------|---------------------|
| -4.25 (19.027) | 0.000      | 0.00     | 0.00                |
| -4.00 (16.000) | 0.000      | 0.00     | 0.00                |
| -3.50 (11.314) | 0.000      | 0.00     | 0.00                |
| -3.00 ( 8.000) | 0.000      | 0.00     | 0.00                |
| -2.50 ( 5.657) | 0.000      | 0.00     | 0.00                |
| -2.25 ( 4.757) | 0.000      | 0.00     | 0.00                |
| -2.00 ( 4.000) | 0.000      | 0.00     | 0.00                |
| -1.50 ( 2.828) | 0.000      | 0.00     | 0.00                |
| -1.00 ( 2.000) | 0.000      | 0.00     | 0.00                |
| -0.50 ( 1.414) | 0.000      | 0.00     | 0.00                |
| 0.00 ( 1.000)  | 0.408      | 1.83     | 1.83                |
| 0.50 ( 0.707)  | 0.894      | 4.02     | 5.86                |
| 1.00 ( 0.500)  | 3.281      | 14.76    | 20.61               |
| 1.50 ( 0.354)  | 5.395      | 24.26    | 44.87               |
| 2.00 ( 0.250)  | 7.521      | 33.82    | 78.70               |
| 2.50 ( 0.177)  | 3.668      | 16.50    | 95.19               |
| 3.00 ( 0.125)  | 0.916      | 4.12     | 99.31               |
| 3.50 ( 0.088)  | 0.125      | 0.56     | 99.87               |
| 3.75 ( 0.074)  | 0.012      | 0.05     | 99.93               |
| 4.00 ( 0.063)  | 0.002      | 0.01     | 99.94               |

TOTAL WEIGHT OF SAMPLE IS 22.236 (G)

| STATISTICS OF MOMENTS METHOD |                 |            |            |
|------------------------------|-----------------|------------|------------|
| MEAN PHI (MM)                | SORTING PHI(MM) | SKEWNESS   | KURTOSIS   |
| 1ST MOMENT                   | 2ND MOMENT      | 3RD MOMENT | 4TH MOMENT |
| 1.516 (0.350)                | 0.64 (0.64)     | -0.27      | 3.15       |

GRANULOMETRIC DESCRIPTION:  
MEDIUM SAND; MODERATELY WELL SORTED; SYMMETRICAL; MESOKURITIC

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\*\*\* GRAIN-SIZE ANALYSES REPORT \*\*\*  
COASTAL STUDIES INSTITUTE, LOUISIANA STATE UNIVERSITY

SAMPLE: WA-35 6.0'

| PHI (MM)       | WEIGHT (G) | WEIGHT % | CUMULATIVE WEIGHT % |
|----------------|------------|----------|---------------------|
| -4.25 (19.027) | 0.000      | 0.00     | 0.00                |
| -4.00 (16.000) | 0.000      | 0.00     | 0.00                |
| -3.50 (11.314) | 0.000      | 0.00     | 0.00                |
| -3.00 ( 8.000) | 0.000      | 0.00     | 0.00                |
| -2.50 ( 5.657) | 0.000      | 0.00     | 0.00                |
| -2.25 ( 4.757) | 0.000      | 0.00     | 0.00                |
| -2.00 ( 4.000) | 0.000      | 0.00     | 0.00                |
| -1.50 ( 2.828) | 0.000      | 0.00     | 0.00                |
| -1.00 ( 2.000) | 0.000      | 0.00     | 0.00                |
| -0.50 ( 1.414) | 0.000      | 0.00     | 0.00                |
| 0.00 ( 1.000)  | 0.211      | 0.83     | 0.83                |
| 0.50 ( 0.707)  | 0.486      | 1.91     | 2.75                |
| 1.00 ( 0.500)  | 2.074      | 8.17     | 10.91               |
| 1.50 ( 0.354)  | 5.765      | 22.71    | 33.62               |
| 2.00 ( 0.250)  | 10.688     | 42.10    | 75.72               |
| 2.50 ( 0.177)  | 4.988      | 19.65    | 95.37               |
| 3.00 ( 0.125)  | 0.997      | 3.93     | 99.29               |
| 3.50 ( 0.088)  | 0.141      | 0.56     | 99.85               |
| 3.75 ( 0.074)  | 0.015      | 0.06     | 99.91               |
| 4.00 ( 0.063)  | 0.005      | 0.02     | 99.93               |

TOTAL WEIGHT OF SAMPLE IS 25.388 (G)

| STATISTICS OF MOMENTS METHOD |                 |            |            |
|------------------------------|-----------------|------------|------------|
| MEAN PHI (MM)                | SORTING PHI(MM) | SKEWNESS   | KURTOSIS   |
| 1ST MOMENT                   | 2ND MOMENT      | 3RD MOMENT | 4TH MOMENT |
| 1.656 (0.317)                | 0.56 (0.68)     | -0.37      | 3.91       |

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY WELL SORTED; SYMMETRICAL; LEPTOKURITIC

PREPARED BY BL ON 08/20/2007

\*\*\* GRAIN-SIZE ANALYSES REPORT \*\*\*  
COASTAL STUDIES INSTITUTE, LOUISIANA STATE UNIVERSITY

SAMPLE: WA-35 7.5'

| PHI (MM)       | WEIGHT (G) | WEIGHT % | CUMULATIVE WEIGHT % |
|----------------|------------|----------|---------------------|
| -4.25 (19.027) | 0.000      | 0.00     | 0.00                |
| -4.00 (16.000) | 0.000      | 0.00     | 0.00                |
| -3.50 (11.314) | 0.000      | 0.00     | 0.00                |
| -3.00 ( 8.000) | 0.000      | 0.00     | 0.00                |
| -2.50 ( 5.657) | 0.000      | 0.00     | 0.00                |
| -2.25 ( 4.757) | 0.000      | 0.00     | 0.00                |
| -2.00 ( 4.000) | 0.000      | 0.00     | 0.00                |
| -1.50 ( 2.828) | 0.000      | 0.00     | 0.00                |
| -1.00 ( 2.000) | 0.000      | 0.00     | 0.00                |
| -0.50 ( 1.414) | 0.000      | 0.00     | 0.00                |
| 0.00 ( 1.000)  | 0.195      | 0.71     | 0.71                |
| 0.50 ( 0.707)  | 0.318      | 1.16     | 1.87                |
| 1.00 ( 0.500)  | 1.424      | 5.19     | 7.06                |
| 1.50 ( 0.354)  | 5.208      | 18.97    | 26.03               |
| 2.00 ( 0.250)  | 14.002     | 51.01    | 77.04               |
| 2.50 ( 0.177)  | 5.067      | 18.46    | 95.49               |
| 3.00 ( 0.125)  | 0.936      | 3.41     | 98.90               |
| 3.50 ( 0.088)  | 0.240      | 0.87     | 99.78               |
| 3.75 ( 0.074)  | 0.037      | 0.13     | 99.91               |
| 4.00 ( 0.063)  | 0.000      | 0.00     | 99.91               |

TOTAL WEIGHT OF SAMPLE IS 27.451 (G)

| STATISTICS OF MOMENTS METHOD |                 |            |            |
|------------------------------|-----------------|------------|------------|
| MEAN PHI (MM)                | SORTING PHI(MM) | SKEWNESS   | KURTOSIS   |
| 1ST MOMENT                   | 2ND MOMENT      | 3RD MOMENT | 4TH MOMENT |
| 1.712 (0.305)                | 0.51 (0.70)     | -0.36      | 5.04       |

GRANULOMETRIC DESCRIPTION:  
MEDIUM SAND; MODERATELY WELL SORTED; SYMMETRICAL; LEPTOKURITIC

PREPARED BY BL ON 08/20/2007

\*\*\* GRAIN-SIZE ANALYSES REPORT \*\*\*  
COASTAL STUDIES INSTITUTE, LOUISIANA STATE UNIVERSITY

SAMPLE: WA-35 9.0'

| PHI (MM)       | WEIGHT (G) | WEIGHT % | CUMULATIVE WEIGHT % |
|----------------|------------|----------|---------------------|
| -4.25 (19.027) | 0.000      | 0.00     | 0.00                |
| -4.00 (16.000) | 0.000      | 0.00     | 0.00                |
| -3.50 (11.314) | 0.000      | 0.00     | 0.00                |
| -3.00 ( 8.000) | 0.000      | 0.00     | 0.00                |
| -2.50 ( 5.657) | 0.000      | 0.00     | 0.00                |
| -2.25 ( 4.757) | 0.000      | 0.00     | 0.00                |
| -2.00 ( 4.000) | 0.000      | 0.00     | 0.00                |
| -1.50 ( 2.828) | 0.000      | 0.00     | 0.00                |
| -1.00 ( 2.000) | 0.000      | 0.00     | 0.00                |
| -0.50 ( 1.414) | 0.000      | 0.00     | 0.00                |
| 0.00 ( 1.000)  | 0.339      | 1.13     | 1.13                |
| 0.50 ( 0.707)  | 0.490      | 1.63     | 2.76                |
| 1.00 ( 0.500)  | 1.522      | 5.06     | 7.82                |
| 1.50 ( 0.354)  | 4.352      | 14.47    | 22.29               |
| 2.00 ( 0.250)  | 11.951     | 39.75    | 62.04               |
| 2.50 ( 0.177)  | 7.232      | 24.05    | 86.09               |
| 3.00 ( 0.125)  | 2.831      | 9.42     | 95.50               |
| 3.50 ( 0.088)  | 1.022      | 3.40     | 98.90               |
| 3.75 ( 0.074)  | 0.135      | 0.45     | 99.35               |
| 4.00 ( 0.063)  | 0.023      | 0.08     | 99.43               |

TOTAL WEIGHT OF SAMPLE IS 30.069 (G)

| STATISTICS OF MOMENTS METHOD |                 |            |            |
|------------------------------|-----------------|------------|------------|
| MEAN PHI (MM)                | SORTING PHI(MM) | SKEWNESS   | KURTOSIS   |
| 1ST MOMENT                   | 2ND MOMENT      | 3RD MOMENT | 4TH MOMENT |
| 1.845 (0.278)                | 0.64 (0.64)     | -0.21      | 4.06       |

GRANULOMETRIC DESCRIPTION:  
MEDIUM SAND; MODERATELY WELL SORTED; SYMMETRICAL; LEPTOKURITIC

PREPARED BY BL ON 08/20/2007