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|--|---|--|--|---|--|---|-------------|
| <b>Granularmetric Report</b><br>Depths and elevations based on measured values |   |  |  |  <b>COASTAL TECH</b><br>Coastal Geology & Sediments Laboratory<br><br>715 North Drive Suite E<br>Melbourne, FL 32934<br>Phone (321) 751-1135<br>Fax (321) 751-2343 |  |   |             |
| Project Name: 2011 SLC Geotech Investigation                                   |   |  |  |   |  |   |             |
| Sample Name: SLC-11-C77 #1   |   |  |  |   |  |   |             |
| Analysis Date:   |   |  |  |   |  |   |             |
| Analyzed By: JB  |   |  |  |   |  |   |             |
| Easting (ft):<br><div style="text-align: center;">935,237</div>                |   | Northing (ft):<br><div style="text-align: center;">1,099,576</div> |  | Coordinate System:<br><div style="text-align: center;">Florida State Plane East</div>   |  | Elevation (ft):<br><div style="text-align: center;">-29.7 NAVD 88</div> |             |
| USCS:<br><div style="text-align: center;">SP</div>                             |   | Munsell:<br>Wet - 2.5Y-5/3<br>Dry - 2.5Y-6/3                       |  | Comments:   |  |   |             |
| Dry Weight (g):<br><div style="text-align: center;">161.80</div>               | Wash Weight (g):<br><div style="text-align: center;">161.80</div> | Pan Retained (g):<br><div style="text-align: center;">0.09</div>   | Sieve Loss (%):<br><div style="text-align: center;">0.00</div> | Fines (%):<br>#200 - 0.08<br>#230 - 0.06  | Organics (%):<br><div style="text-align: center;">2.20</div> | Carbonates (%):<br><div style="text-align: center;">85.40</div>         | Shells (%): |
| Sieve Number   | Sieve Size (Phi)  | Sieve Size (Millimeters)   | Grams Retained   | % Weight Retained   | Cum. Grams Retained  | C. % Weight Retained  |             |
| 3/4"   | -4.25   | 19.03  | 0.00   | 0.00  | 0.00   | 0.00  |             |
| 5/8"   | -4.00   | 16.00  | 0.00   | 0.00  | 0.00   | 0.00  |             |
| 11/16"   | -3.50   | 11.31  | 0.00   | 0.00  | 0.00   | 0.00  |             |
| 5/16"  | -3.00   | 8.00   | 0.00   | 0.00  | 0.00   | 0.00  |             |
| 3.5  | -2.50   | 5.66   | 0.13   | 0.08  | 0.13   | 0.08  |             |
| 4  | -2.25   | 4.76   | 0.15   | 0.09  | 0.28   | 0.17  |             |
| 5  | -2.00   | 4.00   | 0.16   | 0.10  | 0.44   | 0.27  |             |
| 7  | -1.50   | 2.83   | 1.03   | 0.64  | 1.47   | 0.91  |             |
| 10   | -1.00   | 2.00   | 2.71   | 1.67  | 4.18   | 2.58  |             |
| 14   | -0.50   | 1.41   | 7.00   | 4.33  | 11.18  | 6.91  |             |
| 18   | 0.00  | 1.00   | 14.20  | 8.78  | 25.38  | 15.69   |             |
| 25   | 0.50  | 0.71   | 25.71  | 15.89   | 51.09  | 31.58   |             |
| 35   | 1.00  | 0.50   | 42.53  | 26.29   | 93.62  | 57.87   |             |
| 45   | 1.50  | 0.35   | 41.57  | 25.69   | 135.19   | 83.56   |             |
| 60   | 2.00  | 0.25   | 20.61  | 12.74   | 155.80   | 96.30   |             |
| 80   | 2.50  | 0.18   | 4.39   | 2.71  | 160.19   | 99.01   |             |
| 120  | 3.00  | 0.13   | 1.17   | 0.72  | 161.36   | 99.73   |             |
| 170  | 3.50  | 0.09   | 0.25   | 0.15  | 161.61   | 99.88   |             |
| 200  | 3.75  | 0.07   | 0.06   | 0.04  | 161.67   | 99.92   |             |
| 230  | 4.00  | 0.06   | 0.04   | 0.02  | 161.71   | 99.94   |             |
|  |   |  |  |   |  |   |             |
| Phi 5  | Phi 16  | Phi 25   | Phi 50   | Phi 75  | Phi 84   | Phi 95  |             |
| 1.95   | 1.52  | 1.33   | 0.85   | 0.29  | 0.01   | -0.72   |             |
| Moment   | Mean Phi  | Mean mm  | Sorting  | Skewness  | Kurtosis   |   |             |
| Statistics   | 0.78  | 0.58   | 0.81   | -0.52   | 3.83   |   |             |

|  |                  |                                  |                 |   |                     |                      |             |
|--|------------------|----------------------------------|-----------------|---|---------------------|----------------------|-------------|
| <b>Granularmetric Report</b><br>Depths and elevations based on measured values |                  |                                  |                 |  <b>COASTAL TECH</b><br>Coastal Geology & Sediments Laboratory<br><br>715 North Drive Suite E<br>Melbourne, FL 32934<br>Phone (321) 751-1135<br>Fax (321) 751-2343 |                     |                      |             |
| Project Name: 2011 SLC Geotech Investigation                                   |                  |                                  |                 |   |                     |                      |             |
| Sample Name: SLC-11-C77 #2   |                  |                                  |                 |   |                     |                      |             |
| Analysis Date:   |                  |                                  |                 |   |                     |                      |             |
| Analyzed By: JB  |                  |                                  |                 |   |                     |                      |             |
| Easting (ft):  |                  | Northing (ft):                   |                 | Coordinate System:  |                     | Elevation (ft):      |             |
| 935,237  |                  | 1,099,576                        |                 | Florida State Plane East  |                     | -33.7 NAVD 88        |             |
| USCS:  |                  | Munsell:                         |                 | Comments:   |                     |                      |             |
| SP   |                  | Wet - 2.5Y-4/3<br>Dry - 2.5Y-6/2 |                 |   |                     |                      |             |
| Dry Weight (g):  | Wash Weight (g): | Pan Retained (g):                | Sieve Loss (%): | Fines (%):  | Organics (%):       | Carbonates (%):      | Shells (%): |
| 157.33   | 157.33           | 0.70                             | 0.00            | #200 - 0.59<br>#230 - 0.44  | 1.80                | 82.40                |             |
| Sieve Number   | Sieve Size (Phi) | Sieve Size (Millimeters)         | Grams Retained  | % Weight Retained   | Cum. Grams Retained | C. % Weight Retained |             |
| 3/4"   | -4.25            | 19.03                            | 0.00            | 0.00  | 0.00                | 0.00                 |             |
| 5/8"   | -4.00            | 16.00                            | 0.00            | 0.00  | 0.00                | 0.00                 |             |
| 11/16"   | -3.50            | 11.31                            | 0.00            | 0.00  | 0.00                | 0.00                 |             |
| 5/16"  | -3.00            | 8.00                             | 0.00            | 0.00  | 0.00                | 0.00                 |             |
| 3.5  | -2.50            | 5.66                             | 0.08            | 0.05  | 0.08                | 0.05                 |             |
| 4  | -2.25            | 4.76                             | 0.00            | 0.00  | 0.08                | 0.05                 |             |
| 5  | -2.00            | 4.00                             | 0.06            | 0.04  | 0.14                | 0.09                 |             |
| 7  | -1.50            | 2.83                             | 0.20            | 0.13  | 0.34                | 0.22                 |             |
| 10   | -1.00            | 2.00                             | 0.42            | 0.27  | 0.76                | 0.49                 |             |
| 14   | -0.50            | 1.41                             | 1.26            | 0.80  | 2.02                | 1.29                 |             |
| 18   | 0.00             | 1.00                             | 4.29            | 2.73  | 6.31                | 4.02                 |             |
| 25   | 0.50             | 0.71                             | 13.06           | 8.30  | 19.37               | 12.32                |             |
| 35   | 1.00             | 0.50                             | 33.43           | 21.25   | 52.80               | 33.57                |             |
| 45   | 1.50             | 0.35                             | 48.00           | 30.51   | 100.80              | 64.08                |             |
| 60   | 2.00             | 0.25                             | 36.84           | 23.42   | 137.64              | 87.50                |             |
| 80   | 2.50             | 0.18                             | 13.52           | 8.59  | 151.16              | 96.09                |             |
| 120  | 3.00             | 0.13                             | 3.61            | 2.29  | 154.77              | 98.38                |             |
| 170  | 3.50             | 0.09                             | 1.22            | 0.78  | 155.99              | 99.16                |             |
| 200  | 3.75             | 0.07                             | 0.40            | 0.25  | 156.39              | 99.41                |             |
| 230  | 4.00             | 0.06                             | 0.24            | 0.15  | 156.63              | 99.56                |             |
|  |                  |                                  |                 |   |                     |                      |             |
| Phi 5  | Phi 16           | Phi 25                           | Phi 50          | Phi 75  | Phi 84              | Phi 95               |             |
| 2.44   | 1.93             | 1.73                             | 1.27            | 0.80  | 0.59                | 0.06                 |             |
| Moment   | Mean Phi         | Mean mm                          | Sorting         | Skewness  | Kurtosis            |                      |             |
| Statistics   | 1.25             | 0.42                             | 0.72            | -0.2  | 4.55                |                      |             |

|  |   |  |  |   |  |   |             |
|--|---|--|--|---|--|---|-------------|
| <b>Granularmetric Report</b><br>Depths and elevations based on measured values |   |  |  |  <b>COASTAL TECH</b><br>Coastal Geology & Sediments Laboratory<br><br>715 North Drive Suite E<br>Melbourne, FL 32934<br>Phone (321) 751-1135<br>Fax (321) 751-2343 |  |   |             |
| Project Name: 2011 SLC Geotech Investigation                                   |   |  |  |   |  |   |             |
| Sample Name: SLC-11-C77 #3   |   |  |  |   |  |   |             |
| Analysis Date:   |   |  |  |   |  |   |             |
| Analyzed By: JB  |   |  |  |   |  |   |             |
| Easting (ft):<br><div style="text-align: center;">935,237</div>                |   | Northing (ft):<br><div style="text-align: center;">1,099,576</div> |  | Coordinate System:<br><div style="text-align: center;">Florida State Plane East</div>   |  | Elevation (ft):<br><div style="text-align: center;">-36.2 NAVD 88</div> |             |
| USCS:<br><div style="text-align: center;">SW</div>                             |   | Munsell:<br>Wet - 2.5Y-5/3<br>Dry - 2.5Y-6/2                       |  | Comments:   |  |   |             |
| Dry Weight (g):<br><div style="text-align: center;">158.65</div>               | Wash Weight (g):<br><div style="text-align: center;">158.65</div> | Pan Retained (g):<br><div style="text-align: center;">0.71</div>   | Sieve Loss (%):<br><div style="text-align: center;">0.00</div> | Fines (%):<br>#200 - 0.61<br>#230 - 0.46  | Organics (%):<br><div style="text-align: center;">2.00</div> | Carbonates (%):<br><div style="text-align: center;">84.70</div>         | Shells (%): |
| Sieve Number   | Sieve Size (Phi)  | Sieve Size (Millimeters)   | Grams Retained   | % Weight Retained   | Cum. Grams Retained  | C. % Weight Retained  |             |
| 3/4"   | -4.25   | 19.03  | 0.00   | 0.00  | 0.00   | 0.00  |             |
| 5/8"   | -4.00   | 16.00  | 0.00   | 0.00  | 0.00   | 0.00  |             |
| 11/16"   | -3.50   | 11.31  | 0.00   | 0.00  | 0.00   | 0.00  |             |
| 5/16"  | -3.00   | 8.00   | 0.00   | 0.00  | 0.00   | 0.00  |             |
| 3.5  | -2.50   | 5.66   | 0.34   | 0.21  | 0.34   | 0.21  |             |
| 4  | -2.25   | 4.76   | 0.25   | 0.16  | 0.59   | 0.37  |             |
| 5  | -2.00   | 4.00   | 0.22   | 0.14  | 0.81   | 0.51  |             |
| 7  | -1.50   | 2.83   | 1.08   | 0.68  | 1.89   | 1.19  |             |
| 10   | -1.00   | 2.00   | 2.38   | 1.50  | 4.27   | 2.69  |             |
| 14   | -0.50   | 1.41   | 6.12   | 3.86  | 10.39  | 6.55  |             |
| 18   | 0.00  | 1.00   | 11.49  | 7.24  | 21.88  | 13.79   |             |
| 25   | 0.50  | 0.71   | 20.60  | 12.98   | 42.48  | 26.77   |             |
| 35   | 1.00  | 0.50   | 34.46  | 21.72   | 76.94  | 48.49   |             |
| 45   | 1.50  | 0.35   | 42.20  | 26.60   | 119.14   | 75.09   |             |
| 60   | 2.00  | 0.25   | 28.32  | 17.85   | 147.46   | 92.94   |             |
| 80   | 2.50  | 0.18   | 7.21   | 4.54  | 154.67   | 97.48   |             |
| 120  | 3.00  | 0.13   | 2.03   | 1.28  | 156.70   | 98.76   |             |
| 170  | 3.50  | 0.09   | 0.73   | 0.46  | 157.43   | 99.22   |             |
| 200  | 3.75  | 0.07   | 0.27   | 0.17  | 157.70   | 99.39   |             |
| 230  | 4.00  | 0.06   | 0.24   | 0.15  | 157.94   | 99.54   |             |
|  |   |  |  |   |  |   |             |
| Phi 5  | Phi 16  | Phi 25   | Phi 50   | Phi 75  | Phi 84   | Phi 95  |             |
| 2.23   | 1.75  | 1.50   | 1.03   | 0.43  | 0.09   | -0.70   |             |
| Moment   | Mean Phi  | Mean mm  | Sorting  | Skewness  | Kurtosis   |   |             |
| Statistics   | 0.92  | 0.53   | 0.88   | -0.57   | 4.22   |   |             |

|  |                  |                                |                 |   |                     |                      |             |
|--|------------------|--------------------------------|-----------------|---|---------------------|----------------------|-------------|
| <b>Granularmetric Report</b><br>Depths and elevations based on measured values |                  |                                |                 |  <b>COASTAL TECH</b><br>Coastal Geology & Sediments Laboratory |                     |                      |             |
| Project Name: 2011 SLC Geotech Investigation                                   |                  |                                |                 |   |                     |                      |             |
| Sample Name: SLC-11-C77 #4   |                  |                                |                 |   |                     |                      |             |
| Analysis Date:   |                  |                                |                 |   |                     |                      |             |
| Analyzed By: JB  |                  |                                |                 |   |                     |                      |             |
| Easting (ft):  |                  | Northing (ft):                 |                 | Coordinate System:  |                     | Elevation (ft):      |             |
| 935,237  |                  | 1,099,576                      |                 | Florida State Plane East  |                     | -39.2 NAVD 88        |             |
| USCS:  |                  | Munsell:                       |                 | Comments:   |                     |                      |             |
| SW   |                  | Wet - 2.5Y-5/3<br>Dry - 5Y-6/2 |                 |   |                     |                      |             |
| Dry Weight (g):  | Wash Weight (g): | Pan Retained (g):              | Sieve Loss (%): | Fines (%):  | Organics (%):       | Carbonates (%):      | Shells (%): |
| 150.75   | 150.75           | 1.05                           | 0.01            | #200 - 0.93<br>#230 - 0.71  | 2.00                | 83.30                |             |
| Sieve Number   | Sieve Size (Phi) | Sieve Size (Millimeters)       | Grams Retained  | % Weight Retained   | Cum. Grams Retained | C. % Weight Retained |             |
| 3/4"   | -4.25            | 19.03                          | 0.00            | 0.00  | 0.00                | 0.00                 |             |
| 5/8"   | -4.00            | 16.00                          | 0.00            | 0.00  | 0.00                | 0.00                 |             |
| 11/16"   | -3.50            | 11.31                          | 0.00            | 0.00  | 0.00                | 0.00                 |             |
| 5/16"  | -3.00            | 8.00                           | 0.00            | 0.00  | 0.00                | 0.00                 |             |
| 3.5  | -2.50            | 5.66                           | 0.33            | 0.22  | 0.33                | 0.22                 |             |
| 4  | -2.25            | 4.76                           | 0.01            | 0.01  | 0.34                | 0.23                 |             |
| 5  | -2.00            | 4.00                           | 0.05            | 0.03  | 0.39                | 0.26                 |             |
| 7  | -1.50            | 2.83                           | 0.95            | 0.63  | 1.34                | 0.89                 |             |
| 10   | -1.00            | 2.00                           | 1.80            | 1.19  | 3.14                | 2.08                 |             |
| 14   | -0.50            | 1.41                           | 5.53            | 3.67  | 8.67                | 5.75                 |             |
| 18   | 0.00             | 1.00                           | 8.47            | 5.62  | 17.14               | 11.37                |             |
| 25   | 0.50             | 0.71                           | 14.73           | 9.77  | 31.87               | 21.14                |             |
| 35   | 1.00             | 0.50                           | 27.08           | 17.96   | 58.95               | 39.10                |             |
| 45   | 1.50             | 0.35                           | 38.68           | 25.66   | 97.63               | 64.76                |             |
| 60   | 2.00             | 0.25                           | 32.53           | 21.58   | 130.16              | 86.34                |             |
| 80   | 2.50             | 0.18                           | 12.81           | 8.50  | 142.97              | 94.84                |             |
| 120  | 3.00             | 0.13                           | 3.97            | 2.63  | 146.94              | 97.47                |             |
| 170  | 3.50             | 0.09                           | 1.75            | 1.16  | 148.69              | 98.63                |             |
| 200  | 3.75             | 0.07                           | 0.66            | 0.44  | 149.35              | 99.07                |             |
| 230  | 4.00             | 0.06                           | 0.33            | 0.22  | 149.68              | 99.29                |             |
|  |                  |                                |                 |   |                     |                      |             |
| Phi 5  | Phi 16           | Phi 25                         | Phi 50          | Phi 75  | Phi 84              | Phi 95               |             |
| 2.53   | 1.95             | 1.74                           | 1.21            | 0.61  | 0.24                | -0.60                |             |
| Moment   | Mean Phi         | Mean mm                        | Sorting         | Skewness  | Kurtosis            |                      |             |
| Statistics   | 1.12             | 0.46                           | 0.93            | -0.48   | 4.01                |                      |             |

|  |                  |                                |                 |   |                     |                      |             |
|--|------------------|--------------------------------|-----------------|---|---------------------|----------------------|-------------|
| <b>Granularmetric Report</b><br>Depths and elevations based on measured values |                  |                                |                 |  <b>COASTAL TECH</b><br>Coastal Geology & Sediments Laboratory<br><br>715 North Drive Suite E<br>Melbourne, FL 32934<br>Phone (321) 751-1135<br>Fax (321) 751-2343 |                     |                      |             |
| Project Name: 2011 SLC Geotech Investigation                                   |                  |                                |                 |   |                     |                      |             |
| Sample Name: SLC-11-C77 #5   |                  |                                |                 |   |                     |                      |             |
| Analysis Date:   |                  |                                |                 |   |                     |                      |             |
| Analyzed By: JB  |                  |                                |                 |   |                     |                      |             |
| Easting (ft):  |                  | Northing (ft):                 |                 | Coordinate System:  |                     | Elevation (ft):      |             |
| 935,237  |                  | 1,099,576                      |                 | Florida State Plane East  |                     | -43.2 NAVD 88        |             |
| USCS:  |                  | Munsell:                       |                 | Comments:   |                     |                      |             |
| SP   |                  | Wet - 5Y-5/2<br>Dry - 2.5Y-6/2 |                 |   |                     |                      |             |
| Dry Weight (g):  | Wash Weight (g): | Pan Retained (g):              | Sieve Loss (%): | Fines (%):  | Organics (%):       | Carbonates (%):      | Shells (%): |
| 167.13   | 167.13           | 2.59                           | 0.04            | #200 - 2.02<br>#230 - 1.58  | 1.70                | 69.70                |             |
| Sieve Number   | Sieve Size (Phi) | Sieve Size (Millimeters)       | Grams Retained  | % Weight Retained   | Cum. Grams Retained | C. % Weight Retained |             |
| 3/4"   | -4.25            | 19.03                          | 0.00            | 0.00  | 0.00                | 0.00                 |             |
| 5/8"   | -4.00            | 16.00                          | 0.00            | 0.00  | 0.00                | 0.00                 |             |
| 11/16"   | -3.50            | 11.31                          | 0.00            | 0.00  | 0.00                | 0.00                 |             |
| 5/16"  | -3.00            | 8.00                           | 0.00            | 0.00  | 0.00                | 0.00                 |             |
| 3.5  | -2.50            | 5.66                           | 0.00            | 0.00  | 0.00                | 0.00                 |             |
| 4  | -2.25            | 4.76                           | 0.00            | 0.00  | 0.00                | 0.00                 |             |
| 5  | -2.00            | 4.00                           | 0.00            | 0.00  | 0.00                | 0.00                 |             |
| 7  | -1.50            | 2.83                           | 0.23            | 0.14  | 0.23                | 0.14                 |             |
| 10   | -1.00            | 2.00                           | 0.84            | 0.50  | 1.07                | 0.64                 |             |
| 14   | -0.50            | 1.41                           | 1.89            | 1.13  | 2.96                | 1.77                 |             |
| 18   | 0.00             | 1.00                           | 4.72            | 2.82  | 7.68                | 4.59                 |             |
| 25   | 0.50             | 0.71                           | 12.23           | 7.32  | 19.91               | 11.91                |             |
| 35   | 1.00             | 0.50                           | 28.69           | 17.17   | 48.60               | 29.08                |             |
| 45   | 1.50             | 0.35                           | 47.09           | 28.18   | 95.69               | 57.26                |             |
| 60   | 2.00             | 0.25                           | 42.30           | 25.31   | 137.99              | 82.57                |             |
| 80   | 2.50             | 0.18                           | 15.78           | 9.44  | 153.77              | 92.01                |             |
| 120  | 3.00             | 0.13                           | 6.29            | 3.76  | 160.06              | 95.77                |             |
| 170  | 3.50             | 0.09                           | 2.70            | 1.62  | 162.76              | 97.39                |             |
| 200  | 3.75             | 0.07                           | 0.98            | 0.59  | 163.74              | 97.98                |             |
| 230  | 4.00             | 0.06                           | 0.73            | 0.44  | 164.47              | 98.42                |             |
|  |                  |                                |                 |   |                     |                      |             |
| Phi 5  | Phi 16           | Phi 25                         | Phi 50          | Phi 75  | Phi 84              | Phi 95               |             |
| 2.90   | 2.08             | 1.85                           | 1.37            | 0.88  | 0.62                | 0.03                 |             |
| Moment   | Mean Phi         | Mean mm                        | Sorting         | Skewness  | Kurtosis            |                      |             |
| Statistics   | 1.35             | 0.39                           | 0.8             | -0.08   | 4.09                |                      |             |

|  |   |  |  |   |  |   |             |
|--|---|--|--|---|--|---|-------------|
| <b>Granularmetric Report</b><br>Depths and elevations based on measured values |   |  |  |  <b>COASTAL TECH</b><br>Coastal Geology & Sediments Laboratory<br><br>715 North Drive Suite E<br>Melbourne, FL 32934<br>Phone (321) 751-1135<br>Fax (321) 751-2343 |  |   |             |
| Project Name: 2011 SLC Geotech Investigation                                   |   |  |  |   |  |   |             |
| Sample Name: SLC-11-C77 #6   |   |  |  |   |  |   |             |
| Analysis Date:   |   |  |  |   |  |   |             |
| Analyzed By: JB  |   |  |  |   |  |   |             |
| Easting (ft):<br><div style="text-align: center;">935,237</div>                |   | Northing (ft):<br><div style="text-align: center;">1,099,576</div>                 |  | Coordinate System:<br><div style="text-align: center;">Florida State Plane East</div>   |  | Elevation (ft):<br><div style="text-align: center;">-45.2 NAVD 88</div> |             |
| USCS:<br><div style="text-align: center;">SW</div>                             |   | Munsell:<br><div style="text-align: center;">Wet - 2.5Y-5/3<br/>Dry - 5Y-7/2</div> |  | Comments:   |  |   |             |
| Dry Weight (g):<br><div style="text-align: center;">138.46</div>               | Wash Weight (g):<br><div style="text-align: center;">138.46</div> | Pan Retained (g):<br><div style="text-align: center;">4.69</div>                   | Sieve Loss (%):<br><div style="text-align: center;">0.00</div> | Fines (%):<br>#200 - 4.29<br>#230 - 3.40  | Organics (%):<br><div style="text-align: center;">1.90</div> | Carbonates (%):<br><div style="text-align: center;">82.80</div>         | Shells (%): |
| Sieve Number   | Sieve Size (Phi)  | Sieve Size (Millimeters)   | Grams Retained   | % Weight Retained   | Cum. Grams Retained  | C. % Weight Retained  |             |
| 3/4"   | -4.25   | 19.03  | 0.00   | 0.00  | 0.00   | 0.00  |             |
| 5/8"   | -4.00   | 16.00  | 0.00   | 0.00  | 0.00   | 0.00  |             |
| 11/16"   | -3.50   | 11.31  | 0.00   | 0.00  | 0.00   | 0.00  |             |
| 5/16"  | -3.00   | 8.00   | 0.00   | 0.00  | 0.00   | 0.00  |             |
| 3.5  | -2.50   | 5.66   | 0.00   | 0.00  | 0.00   | 0.00  |             |
| 4  | -2.25   | 4.76   | 0.08   | 0.06  | 0.08   | 0.06  |             |
| 5  | -2.00   | 4.00   | 0.02   | 0.01  | 0.10   | 0.07  |             |
| 7  | -1.50   | 2.83   | 0.10   | 0.07  | 0.20   | 0.14  |             |
| 10   | -1.00   | 2.00   | 0.60   | 0.43  | 0.80   | 0.57  |             |
| 14   | -0.50   | 1.41   | 2.72   | 1.96  | 3.52   | 2.53  |             |
| 18   | 0.00  | 1.00   | 5.75   | 4.15  | 9.27   | 6.68  |             |
| 25   | 0.50  | 0.71   | 10.84  | 7.83  | 20.11  | 14.51   |             |
| 35   | 1.00  | 0.50   | 20.71  | 14.96   | 40.82  | 29.47   |             |
| 45   | 1.50  | 0.35   | 33.16  | 23.95   | 73.98  | 53.42   |             |
| 60   | 2.00  | 0.25   | 32.44  | 23.43   | 106.42   | 76.85   |             |
| 80   | 2.50  | 0.18   | 15.11  | 10.91   | 121.53   | 87.76   |             |
| 120  | 3.00  | 0.13   | 6.19   | 4.47  | 127.72   | 92.23   |             |
| 170  | 3.50  | 0.09   | 3.19   | 2.30  | 130.91   | 94.53   |             |
| 200  | 3.75  | 0.07   | 1.63   | 1.18  | 132.54   | 95.71   |             |
| 230  | 4.00  | 0.06   | 1.23   | 0.89  | 133.77   | 96.60   |             |
|  |   |  |  |   |  |   |             |
| Phi 5  | Phi 16  | Phi 25   | Phi 50   | Phi 75  | Phi 84   | Phi 95  |             |
| 3.60   | 2.33  | 1.96   | 1.43   | 0.85  | 0.55   | -0.20   |             |
| Moment   | Mean Phi  | Mean mm  | Sorting  | Skewness  | Kurtosis   |   |             |
| Statistics   | 1.37  | 0.39   | 0.91   | -0.03   | 3.61   |   |             |