

Data Dictionary for Grain-Size Data Tables

The table below describes the attributes (data columns) for the grain-size data tables presented in this report. The metadata for the grain-size data are not complete if they are not distributed with this document.

| Attribute_Label | Attribute_Definition |
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| SAMPLE ID | Sediment core identification number |
| DEPTH (cm) | Sample depth interval, in centimeters |
| SEDIMENT TEXTURE (Folk, 1954) | Physical description of sediment textural group - describes the dominant grain size class of the sample (after Folk, 1954): Sand, Clayey Sand, Muddy Sand, Silty Sand, Sandy Clay, Sandy Mud, Sandy Silt, Clay, Mud, or Silt |
| AVERAGED SAMPLE RUNS | Number of sample runs (N) included in the averaged statistics or other relevant information |
| MEAN GRAIN SIZE (Folk and Ward, μm) | Mean grain size, in microns (after Folk and Ward, 1957) |
| STANDARD DEVIATION (Folk and Ward, μm) | Standard deviation of mean grain size, in microns |
| SORTING (Folk and Ward, μm) | Sample sorting - the standard deviation of the grain size distribution, in microns (after Folk and Ward, 1957) |
| STANDARD DEVIATION (Folk and Ward, μm) | Standard deviation of sorting, in microns |
| SKEWNESS (Folk and Ward, μm) | Sample skewness - deviation of the grain size distribution from symmetrical, in microns (after Folk and Ward, 1957) |
| STANDARD DEVIATION (Folk and Ward, μm) | Standard deviation of skewness, in microns |
| KURTOSIS (Folk and Ward, μm) | Sample kurtosis - degree of curvature near the mode of the grain size distribution, in microns (after Folk and Ward, 1957) |
| STANDARD DEVIATION (μm) | Standard deviation of kurtosis, in microns |
| MEAN GRAIN SIZE (Folk and Ward, ϕ) | Mean grain size, in phi units (after Folk and Ward, 1957) |
| STANDARD DEVIATION (Folk and Ward, ϕ) | Standard deviation of mean grain size, in phi units |
| SORTING (Folk and Ward, ϕ) | Sample sorting - the standard deviation of the grain size distribution, in phi units (after Folk and Ward, 1957) |
| STANDARD DEVIATION (Folk and Ward, ϕ) | Standard deviation of sorting, in phi units |
| SKEWNESS (Folk and Ward, ϕ) | Sample skewness - deviation of the grain size distribution from symmetrical, in phi units (after Folk and Ward, 1957) |
| STANDARD DEVIATION (Folk and Ward, ϕ) | Standard deviation of skewness, in phi units |
| KURTOSIS (Folk and Ward, ϕ) | Sample kurtosis - degree of curvature near the mode of the grain size distribution, in phi units (after Folk and Ward, 1957) |
| STANDARD DEVIATION (Folk and Ward, ϕ) | Standard deviation of kurtosis, in phi units |
| MEAN GRAIN SIZE (Folk and Ward Descriptive) | Physical description of mean grain size (after Folk and Ward, 1957): Clay, Very Fine Silt, Fine Silt, Medium Silt, Coarse Silt, Very Coarse Silt, Very Fine Sand, Fine Sand, Medium Sand, Coarse Sand, or Very Coarse Sand |
| SORTING (Folk and Ward Descriptive) | Physical description of sample sorting (after Folk and Ward, 1957): Very Well Sorted, Well Sorted, Moderately Well Sorted, Moderately Sorted, Poorly Sorted, Very Poorly Sorted, or Extremely Poorly Sorted |
| SKEWNESS (Folk and Ward Descriptive) | Physical description of sample skewness (after Folk and Ward, 1957): Very Fine Skewed, Fine Skewed, Symmetrical, Coarse Skewed, or Very Coarse Skewed |
| KURTOSIS (Folk and Ward Descriptive) | Physical description of sample kurtosis (after Folk and Ward, 1957): Very Platykurtic, Platykurtic, Mesokurtic, Leptokurtic, Very Leptokurtic, or Extremely Leptokurtic |
| D ₁₀ (μm) | Particle diameter representing the 10% cumulative percentile value (10% of the particles in the sediment sample are finer than the D10 grain size), in microns |
| D ₁₀ STANDARD DEVIATION (μm) | Standard deviation of D10, in microns |
| D ₅₀ (μm) | Particle diameter representing the 50% cumulative percentile value (50% of the particles in the sediment sample are finer than the D50 grain size), in microns |
| D ₅₀ STANDARD DEVIATION (μm) | Standard deviation of D50, in microns |
| D ₉₀ (μm) | Particle diameter representing the 90% cumulative percentile value (90% of the particles in the sediment sample are finer than the D90 grain size), in microns |
| D ₉₀ STANDARD DEVIATION (μm) | Standard deviation of D90, in microns |
| SAND (%) | Total sand fraction of the sediment sample, in percent |
| SAND STANDARD DEVIATION (%) | Standard deviation of the sand fraction, in percent |
| MUD (%) | Total mud (silt and clay) fraction of the sediment sample, in percent |
| MUD STANDARD DEVIATION (%) | Standard deviation of the mud fraction, in percent |
| VERY COARSE SAND (%) | Fraction of the sediment sample that is very coarse sand (1 to 2 millimeter diameter, or -1 to 0 phi), in percent |
| COARSE SAND (%) | Fraction of the sediment sample that is coarse sand (500 microns to 1 millimeter diameter, or 0 to 1 phi), in percent |
| MEDIUM SAND (%) | Fraction of the sediment sample that is medium sand (250 to 500 micron diameter, or 1 to 2 phi), in percent |
| FINE SAND (%) | Fraction of the sediment sample that is fine sand (125 to 250 micron diameter, or 2 to 3 phi), in percent |
| VERY FINE SAND (%) | Fraction of the sediment sample that is very fine sand (63 to 125 micron diameter, or 3 to 4 phi), in percent |
| VERY COARSE SILT (%) | Fraction of the sediment sample that is very coarse silt (31 to 63 micron diameter, or 4 to 5 phi), in percent |
| COARSE SILT (%) | Fraction of the sediment sample that is coarse silt (16 to 31 micron diameter, or 5 to 6 phi), in percent |
| MEDIUM SILT (%) | Fraction of the sediment sample that is medium silt (8 to 16 micron diameter, or 6 to 7 phi), in percent |
| FINE SILT (%) | Fraction of the sediment sample that is fine silt (4 to 8 micron diameter, or 7 to 8 phi), in percent |
| VERY FINE SILT (%) | Fraction of the sediment sample that is very fine silt (2 to 4 micron diameter, or 8 to 9 phi), in percent |
| CLAY (%) | Fraction of the sediment sample that is clay (diameter less than 2 microns, or phi greater than 9), in percent |