

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
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 D_{10} grain size), in microns
D_{10} STANDARD DEVIATION (μm)	Standard deviation of D_{10} , 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 D_{50} grain size), in microns
D_{50} STANDARD DEVIATION (μm)	Standard deviation of D_{50} , 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 D_{90} grain size), in microns
D_{90} STANDARD DEVIATION (μm)	Standard deviation of D_{90} , 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