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 distibuted with this document.

Attribute_Label	Attribute_Definition
CORE ID	Core identification number
MEDIAN DEPTH (cm)	Median value for sample depth interval, in centimeters
COMMENT	Number of samples (N) included in the averaged statistics or other relavant information
MEAN GRAIN SIZE (Folk and Ward, μm)	Mean grain size, in microns (after Folk and Ward, 1957)
STANDARD DEVIATION (mean grain size, μm)	Standard deviation of mean grain size, in microns
MEAN GRAIN SIZE (Folk and Ward, ϕ)	Mean grain size, in phi units (after Folk and Ward, 1957)
STANDARD DEVIATION (mean grain size, ϕ)	Standard deviation of mean grain size, in phi units
SORTING (ϕ)	Sample sorting - the standard deviation of the grain-size distribution, in phi units (after Folk and Ward, 1957)
STANDARD DEVIATION (sorting, ϕ)	Standard deviation of sorting, in phi units
SKEWNESS (ϕ)	Sample skewness - deviation of the grain-size distribution from symmetrical, in phi units (after Folk and Ward, 1957)
KURTOSIS (ϕ)	Sample kurtosis - degree of curvature near the mode of the grain-size distribution, in phi units (after Folk and Ward, 1957)
MEAN GRAIN SIZE	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	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	Physical description of sample skewness (after Folk and Ward, 1957): Very Fine Skewed, Fine Skewed, Symmetrical, Coarse Skewed, or Very Coarse Skewed
KURTOSIS	Physical description of sample kurotsis (after Folk and Ward, 1957): Very Platykurtic, Platykurtic, Mesokurtic, Leptokurtic, Very Leptokurtic, or Extremely Leptokurtic
D_{10} (μm)	Particle diameter representiong the 10% cummulative percentile value (10% of the particles in the sediment sample are finer than the D_{10} grain size), in microns
STANDARD DEVIATION (D_{10}, μm)	Standard deviation of D_{10}, in microns
D_{50} (μm)	Particle diameter representiong the 50% cummulative percentile value (50% of the particles in the sediment sample are finer than the D_{50} grain size), in microns
STANDARD DEVIATION (D_{50}, μm)	Standard deviation of D_{50}, in microns
D_{90} (μm)	Particle diameter representiong the 90% cummulative percentile value (90% of the particles in the sediment sample are finer than the D_{90} grain size), in microns
STANDARD DEVIATION (D_{90}, μm)	Standard deviation of D_{90}, in microns
D_{10} (Φ)	Particle diameter representiong the 10% cummulative percentile value (10% of the particles in the sediment sample are finer than the D_{10} grain size), in phi
STANDARD DEVIATION (D_{10}, Φ)	Standard deviation of D_{10}, in phi
D_{50} (Φ)	Particle diameter representiong the 50% cummulative percentile value (50% of the particles in the sediment sample are finer than the D_{50} grain size), in phi
STANDARD DEVIATION (D_{50}, Φ)	Standard deviation of D_{50}, in phi
D_{90} (Φ)	Particle diameter representiong the 90% cummulative percentile value (90% of the particles in the sediment sample are finer than the D_{90} grain size), in phi
STANDARD DEVIATION (D_{90}, Φ)	Standard deviation of D_{90}, in phi
% SAND	Total sand fraction of the sediment sample, in percent
STANDARD DEVIATION (% sand)	Standard deviation of the sand fraction, in percent
% MUD	Total mud (silt and clay) fraction of the sediment sample, in percent
STANDARD DEVIATION (% mud)	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
STANDARD DEVIATION (% very coarse sand)	Standard deviation of the very coarse sand fraction, 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
STANDARD DEVIATION (% coarse sand)	Standard deviation of the very coarse sand fraction, 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
STANDARD DEVIATION (% medium sand)	Standard deviation of the medium sand fraction, 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
STANDARD DEVIATION (% fine sand)	Standard deviation of the fine sand fraction, in percent
% VERY FINE SAND	Fraction of the sediment sample that is very fine sand (63 to 125 micron diamter, or 3 to 4 phi), in percent
STANDARD DEVIATION (% very fine sand)	Standard deviation of the very fine sand fraction, 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
STANDARD DEVIATION (% very coarse silt)	Standard deviation of the very coarse silt fraction, 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
STANDARD DEVIATION (% coarse silt)	Standard deviation of the coarse silt fraction, 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
STANDARD DEVIATION (% medium silt)	Standard deviation of the medium silt fraction, 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
STANDARD DEVIATION (% fine silt)	Standard deviation of the fine silt fraction, 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
STANDARD DEVIATION (% very fine silt)	Standard deviation of the very fine silt fraction, in percent
% CLAY	Fraction of the sediment sample that is clay (diameter less than 2 microns, or phi greater than 9), in percent
STANDARD DEVIATION (% clay)	Standard deviation of the clay fraction, in percent
% SILT	Total silt fraction of the sediment sample, in percent
STANDARD DEVIATION (% silt)	Standard deviation of the silt fraction, in percent
% > 1 mm	Dry-weight fraction of the bulk sample of particles greater than 1 millimeter in diameter, in percent