

Appendix 4 – Suspended-sediment concentration and grain-size distribution data from beach-swash samples.

(Files available at

http://pubs.usgs.gov/of/2012/1083/of2012-1083_appendixes/of2012-1083_appendix_4/)

Suspended-sediment concentration and grain-size distribution data from the swash-water samples are provided in two workbooks named *Appendix_4_Results_PhaseI* and *Appendix_4_Results_PhaseII*. There are two sheets within these files:

Weights – Raw weights and computed weight-based percentages of the suspended-sediment samples from grain-size sieving.

SDSZ – The integrated grain-size distribution results for the fine fractions of the suspended-sediment samples. Results are presented in the weight-based percentage of sample in 0.25-phi classes. In addition to these results, a number of sediment statistics were calculated using the USGS SEDSIZE software. Further details about SEDSIZE can be found at http://water.usgs.gov/cgi-bin/man_wrdapp?sedsize. Grain-size statistics generated by SEDSIZE include:

- percentage of gravel (>2 mm) by weight,
- percentage of sand (0.063 – 2 mm) by weight,
- percentage of silt (0.004 – 0.063 mm) by weight,
- percentage of clay (<0.004 mm) by weight,
- percentage of mud (combined silt and clay) by weight,
- various ratios of the grain-size classes described above, and
- statistical measures of the grain-size distributions made by using techniques suggested by Folk and Ward (1957), Inman (1952), and Trask (1932).