

SELECTED FLUVIAL-SEDIMENT AND RELATED INFORMATION SOURCES

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The following list is the result of an on-going compilation of fluvial sediment and related information sources. It is intended for those learning about, measuring, monitoring, or performing research on fluvial sediment, and (or) for those with interests in stream restoration, the U.S. Environmental Protection Agency's Total Maximum Daily Load "clean" sediment program, or other endeavors in which fluvial sediment plays a role.

Feel free to provide additional citations on fluvial sediment and related topics that have a bearing on fluvial sediment (including geomorphology, stream restoration, streamflow, etc.) to jrgray@usgs.gov. Full papers may be mailed to John Gray at the address shown above.

This growing list, along with some of the full papers, are available under the heading, General Fluvial Sediment Information and Publications/Selected Fluvial Sediment Publications as "Selected Fluvial Sediment and Related Information Sources," at:

<http://water.usgs.gov/osw/techniques/sediment.html>

REPORTS, TECHNICAL MEMORANDA, AND OTHER CITABLE PAPERS

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Bent, G.C., Gray, J.R., Smith, K.P., and Glysson, G.D., 2000, A synopsis of technical issues for monitoring sediments in highway and urban runoff: U.S. Geological Survey Open-File Report 00-497, 51 p.
(<http://water.usgs.gov/osw/techniques/sedimentpubs.html>)

Carey, W.P., 1980, Errors associated with the misuse of bedload data: U.S. Geological Survey WRD Bulletin, July-December, pp. 41-44.

Childers, Dallas, 1996, Direct measurement of bedload, unpublished report, 19 p.

Edwards, T. K. and Glysson, G. D., 1999, Field methods for measurement of fluvial sediment: Techniques of Water-Resources Investigations of the U.S. Geological Survey, Book 3, Applications of Hydraulics, Chapter 2, 89 p.
(<http://water.usgs.gov/osw/techniques/sedimentpubs.html>)

Elliott, J.G., and Parker, R.S., 1999, Reconfigured-Channel Monitoring and Assessment Program: USGS Water-Resources Investigations Report 99-4111, available at <http://co.water.usgs.gov/projects/rcmap/rcmap.html>.

Folk, R.L., 1980, Petrology of sedimentary rocks: Hemphill Publishing Company, Austin, TX, 182 p., on-line at: <http://www.lib.utexas.edu/geo/FolkReady/>.

Glysson, G.D., 1989, Criteria for a sediment data set: Proceeding of the International Symposium on Sediment Transport Modeling, ASCE, August 14-18, 1989, 7 p.

Glysson, G.D., Sediment transport curves: U.S. Geological Survey Open-File Report 87-218.

Glysson, G.D., and Gray, J.R., 2002, Total suspended solids data for use in sediment studies: Proceedings of the Turbidity and Other Sediment Surrogates Workshop, 3 p. (see <http://water.usgs.gov/osw/techniques/turbidity.html>).

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Glysson, G.D., and Gray, J.R., and Schwarz, G.E., 2001, A comparison of load estimates using total suspended solids and suspended-sediment concentration data: Proceedings of the 2001 ASCE Water World Congress, Orlando, FL, May 20-24, 10 p. (<http://water.usgs.gov/osw/techniques/sedimentpubs.html>)

Gordon, J.D., Newland, C.A., and Gray, J.R., 2001, Sediment laboratory quality-assurance project: Studies of methods and materials: Proceedings of the 7th Federal Interagency Sedimentation Conference, Reno, Nevada, March 25-29, Vol. II, VI-41 to VI-48.

Gray, J.R., 2002, The need for surrogate technologies to monitor fluvial-sediment transport: Proceedings of the Turbidity and Other Sediment Surrogates Workshop, also available at <http://water.usgs.gov/osw/techniques/turbidity.html>.

Gray, J.R., and Fisk, G.G., 1992, Monitoring radionuclide and suspended-sediment transport in the Little Colorado River basin, Arizona and New Mexico, USA: Proceedings of the Oslo Erosion and Sediment Transport Monitoring Programmes in River Basins, IAHS Publication No. 210, pp. 505-516.

Gray, J.R., and Glysson, G.D., 2001, Are total suspended solids and suspended-sediment concentrations in open-channel flows the same data type? Conservation and Survey Division, Institute of Agriculture and Natural Resources, Open-File Report 60, Programs

and Abstracts of the 7th International Conference on Fluvial Sedimentology, University of Nebraska, Lincoln, August 6-10, 2001, p. 112.

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Gray, J.R., Glysson, G.D., and Edwards, T.E., 2001, Sediment transport measurements -- suspended-sediment samplers and sampling methods, in, Sedimentation Engineering, Marcelo Garcia, University of Illinois, ed: ~30 pages, chapter approved for publication September 17, 2001.

Gray, J.R., Glysson, G.D., Turcios, L.M., and Schwarz, G.E., 2000, Comparability of suspended-sediment concentration and total suspended solids data: U.S. Geological Survey Water-Resources Investigations Report 00-4191, 14 p. (<http://water.usgs.gov/osw/techniques/sedimentpubs.html>)

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Larsen, M.C., Figueroa-Alamo, C., Gray, J.R., and Fletcher, William, 2001, Continuous automated sensing of streamflow density as a surrogate for suspended-sediment concentration sampling: Proceedings of the 7th Federal Interagency Sedimentation Conference, Reno, Nevada, March 25-29, Vol. I, III-102 to III-109.

Lewis, Jack, 1996, Turbidity-controlled suspended sediment sampling for runoff-event load estimation: Water Resources Research, Vol. 32, No. 7, pp. 2299-2310.

McKallip, T.E., Koltun, G.F., Gray, J.R., and Glysson, G.D., 2001, GCLAS - A Graphical constituent loading analysis system: Proceedings of the 7th Federal Interagency Sedimentation Conference, Reno, Nevada, March 25-29, Vol. II, VI-49 to VI-52.

Melis, T.S., Topping, D.J., and Rubin, D.M., 2002, Testing Laser-Based Sensors for Continuous In-Situ Monitoring of Suspended-Sediment in the Colorado River, Grand Canyon, Arizona: Proceedings of the Turbidity and Other Sediment Surrogates Workshop, available at <http://water.usgs.gov/osw/techniques/turbidity.html>.

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U.S. Geological Survey, 1990, Policy and guidelines for the collection and publication of bedload data: USGS Office of Surface Water Technical Memorandum 90.08, on-line at <http://water.usgs.gov/admin/memo/SW/sw90.08.html>.

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Wren, D.G., Barkdoll, B.D., Kuhnle, R.A., and Derrow, R.W., 2000, Field techniques for suspended-sediment measurement: Journal of Hydraulic Engineering, Vol. 126, No. 2, pp. 97-104.

CONFERENCE PROCEEDINGS AND OTHERS INFORMATION

Expanding Sediment Research Capabilities in Today's USGS: Proceedings of the February 4-7, 1997, workshop held in Reston, Virginia and Harpers Ferry, West Virginia, <http://water.usgs.gov/osw/techniques/workshop/>.

Federal Interagency Sedimentation Project: <http://fisp.wes.army.mil/>.

Sediment Technology for the 21st Century: Proceedings of the Federal Interagency Workshop held in St. Petersburg, Florida, February 17-19, 1998, <http://water.usgs.gov/osw/techniques/sedtech21/index.html>.

7th Federal Interagency Sedimentation Conference (7FISC), March 25-29, 2001, Reno, Nevada, Proceedings (CD contains Proceedings of all 7 FISC's, 1947-2001, <http://water.usgs.gov/wicp/7thFISC-ordering.html>)

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U.S. Geological Survey, Office of Surface, Fluvial-Sediment Web site: <http://water.usgs.gov/osw/techniques/sediment.html>.

U.S. Geological Survey, Office of Water Quality, Water-Quality Field Procedures, <http://water.usgs.gov/owq/Fieldprocedures.html>

U.S. Geological Survey Technical Memoranda: <http://www.woper.er.usgs.gov/memos/>