

Further Reading

“Good Sediment, Bad Sediment: Understanding and Managing Watershed Sediment Along the U.S. West Coast”

A presentation to the California State Water Board's 4th Hydromodification Seminar and Workshop – Sediment Management and Modeling, Sacramento, CA. Nov. 21, 2013

Jonathan A. Warrick, Ph.D.

U.S. Geological Survey
Pacific Coastal and Marine Science Center
Santa Cruz, CA
jwarrick@usgs.gov

Global Patterns of River Sediment Discharge

Milliman, J.D. and K.L. Farnsworth, 2013, River discharge to the coastal ocean: A global synthesis. Cambridge University Press, 392 pp.

Walling D.E. and D. Fang, 2003, Recent trends in the suspended sediment loads of the world's river. *Global and Planetary Change*. v. 39, no. 1-2, p. 111-126.

Sediment Discharge from California Watersheds

Farnsworth, K.L., Warrick, J.A., 2008. Sources, Dispersal and Fate of Fine Grained Sediment for Coastal California. U.S. Geological Survey Scientific Investigations Report: SIR 2007-5254, 86p.

Madej, M.A., Ozaki, V., 2009. Persistence of effects of high sediment loading in a salmon-bearing river, northern California. *Geological Society of America, Special Paper*, v. 451, p. 43-55.

Trimble, S.W., 1997. Contribution of stream channel erosion to sediment yield from an urbanizing watershed. *Science*, v. 278, p. 1442-1444.

Warrick, J.A., Rubin, D.M., 2007, Suspended-sediment rating-curve response to urbanization and wildfire, Santa Ana River, California. *Journal Geophysical Research - Earth Surface*, v. 112, article F02018.

Warrick, J.A., Hatten, J.A., Pasternack, G.B., Gray, A.B., Goni, M.A., Wheatcroft, R.A., 2012, The effects of wildfire on the sediment yield of a coastal California watershed. *Geological Society of America, Bulletin*. v. 124, no. 7/8, p. 1130-1146.

Warrick, J.A., Madej, M.A., Goñi, R.A., Wheatcroft, R.A., 2013, Trends in the suspended-sediment yields of coastal rivers of northern California, 1955-2010. *Journal of Hydrology*, v. 489, p. 108-123.

Willis, C.M., Griggs, G.B., 2003, Reductions in fluvial sediment discharge by coastal dams in California and implications for beach sustainability. *Journal of Geology*, v. 111, p. 167-182.

Wright S.A. and D.H. Schoellhamer, 2004, Trends in the sediment yield of the Sacramento River, California, 1957-2001. *San Francisco Estuary and Watershed Science*, v. 2, no. 2, article 2.

Biological Effects of Suspended Sediment

Cooper, C.M., 1993, Biological Effects of Agriculturally Derived Surface Water Pollutants on Aquatic Systems—A Review. *Journal of Environmental Quality*, v. 22, no. 3, p. 402-408.

Owens et al., 2005, Fine-grained sediment in river systems: Environmental significance and management issues. *River Research and Applications*, v. 21, p. 693-717.

Ryan, P.A., 1991, Environmental effects of sediment on New Zealand streams: A review. *New Zealand Journal of Marine and Freshwater Research*, v. 25, no. 2, p. 207-221.

Snelgrove, P.V.R. and C.A. Butman, 1994, Animal-sediment relationships revisited: cause versus effect. *Oceanography and Marine Biology, An Annual Review*, v. 32, p. 111-177.

Wilber, D.H., and D. G. Clarke, 2001, Biological Effects of Suspended Sediments: A Review of Suspended Sediment Impacts on Fish and Shellfish with Relation to Dredging Activities in Estuaries. *North American Journal of Fisheries Management*, v. 21, p. 855-875, 2001.

Wood, P.J, and P.D. Armitage, 1997, Biological effects of fine sediment in the lotic environment. *Environmental Management*, v. 21, no. 2, p. 203-217.