

Matt is a fluvial geomorphologist specializing in environmental river management and restoration of rivers and streams. His research interests include effects of dams and managing sediment in regulated rivers, effective learning from river restoration, water management in Mediterranean-climate regions, and land-use and flood risk. His book *Tools in Fluvial Geomorphology* (Wiley & Sons 2003) is an important reference work on methods in the field. He was a principal investigator in the National River Restoration Science Synthesis project, a US-wide study of river restoration, a member of the Environmental Advisory Board to the Chief of the US Army Corps of Engineers, and a member of the National Research Council Committee on Hydrology, Ecology, and Fishes of the Klamath River Basin. Dr. Kondolf was a co-author of the CALFED Ecosystem Restoration Program Strategic Plan, and developed the restoration flow regime adopted in the 2006 settlement to restore salmon in the San Joaquin River below Friant Dam. At Berkeley he teaches Hydrology for Planners, Restoration of Rivers and Streams, Mediterranean-Climate Landscapes, and Introduction to Environmental Sciences. He teaches a shortcourse for professionals *Geomorphic and Ecological Fundamentals for Stream Restoration*, in northern California, southern France, and elsewhere. He co-designed a 1999 compound channel on Tassajara Creek (which successfully created riparian habitat while providing flood conveyance) and a proposed levee setback-restoration project on Deer Creek (both in California).

Education

PhD Geography and Environmental Engineering (Johns Hopkins University)

MS Earth Sciences (University California Santa Cruz)

AB Geology *cum laude* (Princeton University)

Selected Recent Publications

Kondolf, G.M., P. Angermeier, K. Cummins, T. Dunne, M. Healey, W. Kimmerer, P.B. Moyle, D. Murphy, D. Patten, S. Railsback, D. Reed, R. Spies, and R. Twiss. 2008. Prioritizing river restoration: Projecting cumulative benefits of multiple projects: an example from the Sacramento-San Joaquin River system in California. *Environmental Management* 42:933-945.

Deitch, M.,J., G.M. Kondolf, and A.M. Merenlender. 2008. Hydrologic impacts of small-scale instream diversions for frost and heat protection in the California wine country. *River Research and Applications* in press.

Tompkins, M.R., and G.M. Kondolf. 2007. Systematic post-project appraisals to maximize lessons learned from river restoration projects: Case study of compound channel construction projects in Northern California. *Restoration Ecology* 15(3):524-537.

Kondolf, G.M., S. Anderson, R. Lave, L. Pagano, A. Merelender, and E. Bernhardt. 2007. Two decades of river restoration in California: What can we learn? *Restoration Ecology* 15(3):516-523.

Eisenstein, W., G.M. Kondolf, and J.R. Cain. 2007. *ReEnvisioning the delta: alternative futures for the heart of California*. Institute for Urban and Regional Development, University of California, Berkeley.

Kondolf, G.M., H. Piégay, and N. Landon. 2007. Changes since 1830 in the riparian zone of the lower Eygues River, France. *Landscape Ecology* 22:367-384.

Kondolf, G.M. River restoration and meanders. 2006. *Ecology and Society*: <http://www.ecologyandsociety.org/vol11/iss2/art42/>

Kondolf, G.M. 2006. River and stream restoration. In American Planning Association *Planning and urban design standards* (pp. 122-124). John Wiley & Sons, Hoboken, N.J.

Kondolf, G.M., A. Boulton, S. O'Daniel, G. Poole, F. Rahel, E. Stanley, E. Wohl, A. Bang, J. Carlstrom, C. Cristoni, H. Huber, S. Koljonen, P. Louhi, and K. Nakamura. Process-based ecological river restoration: Visualising three-dimensional connectivity and dynamic vectors to recover lost linkages. *Ecology and Society* 11 (2): 5. [online] URL: <http://www.ecologyandsociety.org/vol11/iss2/art5/>

Bernhardt, E.S., M.A. Palmer, J.D. Allan, G. Alexander, K. Barnes, S. Brooks, J. Carr, S. Clayton, C. Dahm, J. Follsted-Shah, D. Galat, S. Gloss, P. Goodwin, D. Hart, B. Hassett, R. Jenkinson, S. Katz, G.M. Kondolf, P.S. Lake, R. Lave, J.L. Meyer, T.K. O'Donnell, L. Pagano, B. Powell, and E. Sudduth. 2005. Synthesizing U.S. river restoration efforts. *Science* 308:636-637.