

EDUCATION

University of California – Berkeley *May 2004*
M.S., Energy and Resources

University of California – Berkeley *May 1998*
B.S., Molecular and Environmental Biology, emphasis in ecology

PROFESSIONAL EXPERIENCE

Pacific Institute, Oakland, CA *November 2004 – present*
Water Program Co-Director

Lawrence Berkeley National Laboratory, Berkeley, CA *October 2000 – September 2004*
Research Associate & Lab Manager

University of California – Berkeley, Berkeley, CA *January 2001 – June 2001*
Teaching Assistant

Pesticide Action Network North America, San Francisco, CA *January 2001 – June 2001*
Cartographer and Database Assistant

Mountain Trail Outdoor School, Hendersonville, NC *February 2000 – June 2000*
Outdoor/Environmental Educator

Silver Lab, University of California - Berkeley, Berkeley, CA and Puerto Rico *June 1998 – December 1999*
Field/Laboratory Technician

Weston Lab, University of California - Berkeley, Berkeley, CA *October 1996 – September 1997*
Field/Laboratory Assistant

SELECT RESEARCH PAPERS AND PUBLICATIONS

- Cooley, H., Christian-Smith, J., Cohen, M., Gleick, P.H., and Heberger, M. *California's Next Million Acre-Feet: Saving Water, Energy, and Money*. Pacific Institute: Oakland, CA. August 2010.
- Cooley, H., J. Christian-Smith, P.H. Gleick, L. Allen, and M. Cohen. 2009. Understanding and Reducing the Risks of Climate Change for Transboundary Waters. United Nations Environment Programme.
- Cooley, H. 2008. Adapting Water Resource Management to a Changing Climate. In Gleick, P.H. et al. *The World's Water 2008-2009: The Biennial Report on Freshwater Resources*.
- Cooley, H. 2006. Floods and Droughts. In Gleick, P.H., H. Cooley, D. Katz, E. Lee, J. Morrison, M. Palaniappan, A. Samulon, and G.H. Wolff. *The World's Water 2006-2007: The Biennial Report on Freshwater Resources*.
- Cooley, H., P.H. Gleick, G. Wolff. 2006. Desalination, With a Grain of Salt: A California Perspective. Pacific Institute for Studies in Development, Environment, and Security. Oakland, California.
- Palaniappan, M., H. Cooley, P. Gleick, and G. Wolff. 2006. Assessing the long-term outlook for current business models in the construction and provision of water infrastructure and services. Organization for Economic Co-operation and Development.
- Cooley, H. and P.H. Gleick. 2006. "Water efficiency is key in California." *World Water and Environmental Engineering*. Vol. 29(1): 27-28.
- Gleick, P.H., H. Cooley, and D. Groves. 2005. *California Water 2030: An Efficient Future*. Pacific Institute for Studies in Development, Environment, and Security. Oakland, California.
- Cooley et al. 2005. "Impact of agricultural practice on regional climate in a coupled land surface mesoscale model." *Journal of Geophysical Research-Atmospheres*. Vol. 110.

- Cooley, H.S., W.J. Riley, and M.S. Torn. 2003. "Interactions between land cover change and regional climate in a coupled regional climate model." Poster. Annual meeting of the Ecological Society of America, Savannah, Georgia.
- Cooley, H.S., W.J. Riley, and M.S. Torn. 2003. "Agricultural practice and regional climate interactions in a coupled land surface mesoscale model." Poster. American Geophysical Union Fall Meeting, San Francisco, CA.
- Cooley, H.S., W.J. Riley, and M.S. Torn. 2003. "Effect of harvest on regional climate and soil moisture and temperature." Poster. American Geophysical Union conference on ecosystem interactions with land use change. Santa Fe, New Mexico.

SELECT PRESENTATIONS

- Asia Society. "Water Issues in California and China." January 14, 2010. San Francisco, California.
- United State Committee on Irrigation and Drainage. "The Future of Water and Agriculture in California." March 25, 2010. Sacramento, California
- City of Oakland. Sea-Level Rise and the San Francisco Bay. March 30, 2010. Oakland, California.
- State of the Estuary Annual Conference. The Impacts of Sea Level Rise on the San Francisco Bay. September 29, 2009. Oakland, California.
- House Subcommittee on Water and Power. "Extinction is not a Sustainable Water Policy: The Bay-Delta Crisis and the Implications for California Water Management." July 2, 2007. Vallejo, California.
- Multi-State Salinity Coalition. The Environmental Impacts of Seawater Desalination. January 12, 2007.
- Water Education Foundation Board of Directors. California and Floods. December 5, 2006.

PUBLIC AND PROFESSIONAL SERVICE

- California Urban Water Conservation Council, Vice-President of the Board of Directors
- Urban Stakeholder Committee, convened by the California Department of Water Resources
- Water Education Foundation, Water Leaders.
- California Water Plan (B160-05) Public Advisory Committee