

## Naomi Detenbeck, Ecologist, in EPA's National Health and Environmental Effects Research Laboratory

Atlantic Ecology Division  
Mailing Address

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**Area of Expertise:** Evaluating the effects of management actions at the watershed scale and translating results through visualization and decision-support tools for the general public and environmental managers. I have managed research programs and performed research in the areas of acid rain, nutrient criteria development, biogeochemistry, watershed classification and diagnostic techniques, wetland ecology, landscape ecology, disturbance ecology, effects of green infrastructure, decision support, stream temperature models, and spatial statistical network modeling.

### Select Publications ([Several links exit this site](#)):

Detenbeck, N. E., A. C. Morrison, R. W. Abele, and D.A. Kopp. 2016. [Spatial statistical network models for stream and river temperature in New England, USA](#). *Water Resources Research* **52**:6018–6040.

U.S. EPA. 2016. [Watershed Management Optimization Support Tool: User Guide and Case Studies](#). US EPA Atlantic Ecology Division, Narragansett, RI. EPA/600/R-15/003.

Detenbeck, N. E. and S. Rego. 2015. [Predictive Seagrass Habitat Model](#). US EPA Atlantic Ecology Division, Narragansett, RI. EPA/600/R-15/003.

Fetscher, A. E., M. Sutula, A. Sengupta, and N. E. Detenbeck. 2014. [Linking nutrients to alterations in aquatic life in California wadeable streams](#). US EPA Atlantic Ecology Division, Narragansett, RI. EPA/600/R-14/043.

Detenbeck, N. E., M. C. Pelletier, A. Abdelrhman, S. Rego, and M. ten Brink. 2009. [E-Estuary: Developing a decision-support system for coastal management in the conterminous United States](#). Proceedings, 33<sup>rd</sup> IAGR Congress: Water Engineering for a Sustainable Environment.

Detenbeck, NE, DeVore, PW, Niemi, GJ, Lima, A. 1992. [Recovery of temperate-stream fish communities from disturbance: A review of case studies and synthesis of theory](#). *Environmental Management* **16**:33-53.

View more research publications by [Naomi Detenbeck](#).

### Education:

- Ph.D., University of Minnesota-Twin Cities, MN; Ecology, 1987
- M.S., University of Minnesota-Twin Cities, MN; Ecology, 1983
- A.B., Bryn Mawr College, Bryn Mawr, PA; Biology, 1980

## **Professional Experience:**

- Ecologist, U.S. Environmental Protection Agency, National Health and Environmental Effects Research Laboratory, Atlantic Ecology Division, 2006-present
- Adjunct Associate Professor, University of Rhode Island, Department of Natural Resources Science, 2013-present
- Top Referee Award, Journal of Hydrology, 2006
- Member, American Society of Limnology and Oceanography Summer 2004 Meeting Planning Committee, 2004
- US EPA Bronze Medal 2002
- Senior Scientist, U.S. Environmental Protection Agency, National Health and Environmental Effects Research Laboratory, MidContinent Ecology Division, 2001-2006
- Chief, Watershed Diagnostics Research Branch, National Health and Environmental Effects Research Laboratory, MidContinent Ecology Division, 2000-2001
- Chair, Watershed Diagnostics Planning Group, US EPA, National Health and Environmental Effects Research Laboratory, 1999-2007
- Acting Associate Director for Science, U.S. Environmental Protection Agency, National Health and Environmental Effects Research Laboratory, MidContinent Ecology Division, 1999-2000
- Science and Technology Achievement Awards Honorable Mention 1997,2005,2006, Level II 1997, 2006, Level III 2007
- President, Lake Superior Chapter, Association for Women in Science, 1995-1996
- Research Ecologist, National Health and Environmental Effects Research Laboratory, MidContinent Ecology Division, 1991-2000
- Research Fellow/Associate, Center for Water and the Environment, Natural Resources Research Institute, Duluth, MN, 1987-1991
- Member, California Numeric Nutrient Endpoint Freshwater Technical Advisory Group
- Past Member, US EPA Region 5 Regional Technical Advisory Group for Nutrient Criteria, US EPA Landscape Predictive Tools Workgroup, Watershed Central Workgroup, National Wetlands Monitoring Workgroup, Wetland Nutrient Criteria Workgroup, National Estuarine Experts Workgroup, Tiered Aquatic Life Use Workgroup, Biological Assessment of Wetlands Workgroup, Constructed Wetlands Workgroup
- Past Advisor, Technical Advisory Committee for Iowa DNR Wetlands Monitoring Program, Technical Advisory Committee for Comprehensive Wetland Assessment, Monitoring, and Mapping Strategy for state of MN
- Member, US EPA Risk Assessment Forum Workgroup for the development of an issue paper on Ecological Recovery