

MARY F. MOFFETT

Research Ecologist in EPA's National Health and Environmental Effects Research Laboratory
Mid-Continent Ecology Division

Mailing Address

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Area of Expertise:

Aquatic ecology, especially wetlands with my focus on classification of wetlands, monitoring for wetland quality, locating wetlands, and the functioning and ecosystem services of wetlands, including fisheries and C-storage. Recently I have worked on peatlands to study the biogeochemical stoichiometry of northern peatlands and other wetland types. (keywords: wetland classification, wetland hydrology, peatland stoichiometry, fish habitat)

Select Publications:

- Gracz, M., M.F. Moffett, D.I. Siegel, and P.H. Glaser. 2015. [Analyzing peatland discharge to streams in an Alaskan Watershed: An integration of end-member mixing analysis and a water balance approach](#). *Journal of Hydrology* 530:667-676.
- Genther, F., M. Lewis, J. Nestlerode, C. Elonen, C. Chancy, A. Teague, M. Harwell, M. Moffett, and B. Hill. 2013. [Relationships between habitat quality and measured condition variables in Gulf of Mexico mangroves](#). *Wetlands Ecology and Management* 21(3):173-191.
- Hill, B.H., C.M. Elonen, T.M. Jichi, D.W. Bolgrien, and M.F. Moffett. 2010. [Sediment microbial enzyme activity as an indicator of nutrient limitation in the great rivers of the Upper Mississippi River basin](#). *Biogeochemistry* 97:195-209.
- Angradi, T.R., D.W. Bolgrien, T.M. Jichi, and M.F. Moffett. 2010. [Macroinvertebrate assemblage response to urbanization in three mid-continent great rivers \(USA\)](#). *Fundam. Appl. Limnol., Arch. Hydrobiol.* 176(3):183-198.
- Nawrocki, T., M. Moffett, and D. Bolgrien. 2009. [Landscape metrics arranged by hydrological proximity to sites on the Mississippi, Missouri, and Ohio Rivers](#). *National Hydrography Dataset Plus website* at <http://www.horizon-systems.com/nhdplus/applications.php>.
- Moffett, M.F., R.L. Dufour, and T.P. Simon. 2006. [An inventory and classification of coastal wetland of the Laurentian Great Lakes](#). Chapter 2. In: *Coastal Wetlands of the Laurentian Great Lakes: Health, Habitat, and Indicators*. T.P. Simon and P.M. Steward (eds). Authorhouse. Bloomington, IN. pp. 17-99.

Presentations and Additional Publications:

View more research publications and presentations by [Mary F. Moffett](#).

Education:

- B.A., Miami University, Oxford, OH; Microbiology, 1974
- M.S., Kent State University, Kent, OH; Biological Sciences, 1979
- M.A., University of Kansas, Lawrence; Systematics and Ecology, 1985
- Ph.D., University of Kansas, Lawrence; Microbiology, 1991

Professional Experience:

- 1991-Present, Research Ecologist, U.S. EPA, Duluth, MN
- 1988-1991, Biologist, U.S. EPA, Region 7, Kansas City, KS
- Scientific and Technical Achievement Team Award, U.S. EPA, Level III, 2012, *Advancing the Science of River Monitoring and Assessment*
- Superior Accomplishment Award, U.S. EPA, 2005, *Contributions to Great Lakes Coastal Wetland Ecology*
- Superior Accomplishment, Individual Co-leader and Team Awards, U.S. EPA, 2000,

2001 *Lake Michigan Coastal Wetlands REMAP*

- Scientific and Technical Achievement Award, U.S. EPA, Honorable Mention, 1996,
Littoral Enclosure Pesticide Effects on Bluegill