

## MARY F. MOFFETT

Research Ecologist

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### Education:

B.A., Microbiology, Miami University, Oxford, OH, 1974

M.S., Biological Sciences, Kent State University, Kent, OH, 1979

M.A., Systematics and Ecology, University of Kansas, Lawrence, 1985

Ph.D., Microbiology, University of Kansas, Lawrence, 1991

### Employment:

1991-Present Research Ecologist, U.S. EPA, Duluth, MN

1988-1991 Biologist, U.S. EPA, Kansas City, KS

1979-1988 Graduate Research and Teaching Assistant, the State of Kansas: Kansas Biological Survey and the University of Kansas, Lawrence, KS

1976-1979 Graduate Research and Teaching Assistant and Instructor, Kent State University, Kent, OH

1974-1976 Bacteriologist, Department of Bacteriology, Institute of Pathology, Cleveland, OH

1972 Undergraduate Research Assistant, Heidelberg College, Tiffin, OH

### Research Interest and Skills:

Aquatic ecology: GIS Landscape assessment the for the Great Rivers (Mississippi/Missouri/Ohio Rivers) EMAP probability survey. Wetlands monitoring for quantity and condition; Great Lakes coastal wetlands inventory and classification using GIS; wetland plants as indicators of anthropogenic stress; food web assessments using stable isotopes; multimetric IBI development; monitoring and design/EMAP.

### Professional Societies:

Member of U.S.EPA National Survey Design Team (Tony Olsen, Chair), 2000 - present

Member of Great Lakes Commission Coastal Wetlands Consortium Project Management Team (John Hummer, Chair), 2001 - present

Member of U.S. EPA EMAP Wetlands National Assessment Workgroup (Virginia Engle and Mary Kentula, Chairs), 2006 - present

Member of U.S. EPA National Wetlands Monitoring Workgroup (Michael Scozzafava, Chris Faulkner, Chair), 2002 - 2004, 2006 - present

State of Minnesota Technical Advisory Committee for Wetland Monitoring and Assessment of Status and Trends, 2007

### Selected Appointments/Honors/Major Awards:

NHEERL Quality Assurance Award, Great Rivers Team, 2006

Superior Accomplishment Recognition Award, U.S. EPA, 2005, *Contributions to Great Lakes Coastal Wetland Ecology*

Superior Accomplishment Recognition, 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*

### Selected Publications:

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. Stewart (eds). Authorhouse. Bloomington, IN. pp. 17-99.

Detenbeck, N.E., M.F. Moffett, M.S. Pearson, T.P. Simon, and D. Albert. 2006. Hydrologic regime classification of Lake Michigan coastal riverine wetlands based on watershed characteristics. Chapter 2. *In: Coastal Wetlands of the Laurentian Great Lakes: Health, Habitat, and Indicators*. T.P. Simon and P.M. Stewart (eds) Authorhouse. Bloomington, IN. pp. 115-136.

- Simon, T.P., R.L. Dufour, P.M. Stewart, and M.F. Moffett. 2005. Distribution, classification, and selection rationale of coastal wetlands in Lake Michigan. *In: State of Lake Michigan: Ecology, Health and Management. T. Edsall and M. Munawar (eds). Ecovision World Monograph Series, Backhuys.* pp. 479-502.
- Sierszen, M. E., J. A. Morrice, M.F. Moffett, and C.W. West. 2004. Benthic versus planktonic foundations of three Great Lakes coastal wetland food webs. *Journal of Great Lakes Research* 30(1):31-43.
- Tanner, D.K. and M.F. Moffett. 1995. Effects of diflubenzuron on the reproductive success of bluegill sunfish, *Lepomis macrochirus*. *Environ. Toxicol. Chem.* 14(8):1345-1355.
- deNoyelles, F.R., W.D. Kettle, C.H. Fromm, M.F. Moffett, and S.L. Dewey. 1990. Use of experimental ponds to assess the effects of a pesticide on the aquatic environment. *Entomological Society of America, Misc Publ.* 75:41-56.