

MARY F. MOFFETT

Research Ecologist

218-529-5174

moffett.mary@epamail.epa.gov

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, Mary F, Ronda L. Dufour, and Thomas 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, Naomi E., Mary F. Moffett, Mark S. Pearson, Thomas 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, Thomas P, Ronda L. Dufour, Paul M. Stewart, and Mary F. Moffett. 2005. Distribution, classification, and selection rationale of coastal wetlands in Lake Michigan. Book Chapter. *In: State of Lake Michigan: Ecology, Health and Management. T. Edsall and M. Munawar (eds). Ecovision World Mongraph 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.