

Michael E. McDonald, Ecological and Human Community Analysis Branch Chief, in EPA's National Exposure Research Laboratory

Systems Exposure Division

[Mailing Address](#)

McDonald.Michael@epa.gov

Areas of Expertise: Michael McDonald has expertise in Environmental Engineering, Aquatic Ecology, Simulation Modeling, Water and Wastewater Treatment, and Environmental Influences on Human Health.

Select Publications:

Busby, K., J. Hobbie, L. Deegan, M. McDonald, and B. Peterson. 1999. Effects of fertilization on fish in Alaskan arctic tundra streams and lakes. *In: Restoration of fisheries by enrichment of aquatic ecosystems*, J.G. Stockner and G. Milbrink (eds.). Uppsala University, Uppsala, Sweden. pp. 99-112.

Hershey, A.E., G.M. Gettel, M.E. McDonald, M.C. Miller, H. Mooers, W.J. O'Brien, J. Pastor, C. Richards and J.A. Schuldt. 1999. A geomorphic-trophic model for landscape control of arctic lake food webs. *BioSci.* 49: 887-897.

McDonald, M.E. 2000. Preface. *J. Envir. Monit. Assess.* 64:1.

McDonald, M.E. 2000. EMAP overview: Objectives, approaches, and achievements. *J. Envir. Monit. Assess.* 64:3-8.

Hobbie, J.E., A.E. Hershey, P.W. Lienesch, M.E. McDonald, G.W. Kling, and W.J. O'Brien. 2001. Studies of fresh waters on the North Slope. *In: Fifty More Years Below Zero*, DW. Norton (ed.). University of Alaska Press, Fairbanks. pp. 123-128.

McDonald, M., R. Blair, J. Dlugosz, S. Hale, S. Hedtke, D. Heggem, L. Jackson, K. B. Jones, B. Levinson, A. Olsen, S. Paulsen, J. Stoddard, K. Summers, and G. Veith. 2002. EPAs Environmental Monitoring and Assessment Program (EMAP) in the 21st Century. *Hydrological Science and Technology* 18:133-143.

View more research publications by [Michael McDonald](#).

Education:

- B.S. Environmental Engineering, University of Michigan, 1973
- B.S. Oceanography, University of Michigan, 1973
- M.S. Zoology, North Carolina State University, 1978
- Ph.D. Civil Engineering and Zoology, North Carolina State University, 1984

Professional Experience:

- August 2012 – June 2014. Deputy National Program Director for Safe and Sustainable Water Resources, ORD, USEPA
- November 2010 – August 2012. Acting Deputy National Program Director for Safe and Sustainable Water Resources, ORD, USEPA
- June 2010 – November 2010. Lead for Sustainable Communities and CDC Liaison, Ecosystem Services Research Program, ORD, USEPA
- October 2008 – June 2010. Lead for Monitoring, Ecosystem Services Research Program, ORD, USEPA
- November 1998 – October 2008. Director, Environmental Monitoring and Assessment Program, U.S. EPA.
- July 1995 – November 1998. Professor, Department of Chemical Engineering, University of Minnesota-Duluth.
- March 1994 – November 1998. Director, University of Minnesota Sea Grant Program, University of Minnesota.