

**RUSSELL G. KREIS, JR.**

Supervisory Research Aquatic Biologist, Station Director, Branch Chief  
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Education:

B.S., Biology, Eastern Michigan University, Ypsilanti, 1972

M.S., Biology, Eastern Michigan University, Ypsilanti, 1974

Ph.D., Resource Ecology, University of Michigan, Ann Arbor, 1984

Employment:

1995-Present Branch Chief, U.S. EPA, Grosse Ile, MI

1986-1995 Research Aquatic Biologist, U.S. EPA, Grosse Ile, MI

1984-1986 Research Associate, University of Minnesota, Duluth

1974-1984 Research Associate, University of Michigan, Ann Arbor

1973-1974 High School Teacher, Huron School District, New Boston, MI

1972-1974 Graduate Teaching Assistant, Eastern Michigan University, Ypsilanti

Research Interests and Skills:

Current research interests are focused on the integration of multimedia mathematical models including their development, refinement, calibration, and application. Particular emphasis is given to the effects of nutrients and contaminants both on lower food chain and upper food chain elements regarding productivity and bioaccumulation.

Professional Societies:

International Association for Great Lakes Research, Michigan Botanical Club

Selected Appointments/Honors/Major Awards:

Past Secretary, International Association for Great Lakes Research

USEPA, NHEERL, 2006, Goal 4-Leadership in the Environmental Research Community, Gulf of Mexico

USEPA, NHEERL, 2006, Goal 1-Support the Agency's Mission Award, Lake Michigan Mass Balance

USEPA Bronze Medal, 2004 from Region V-GLNPO, Lake Michigan

USEPA Bronze Medal, 2003 from Region V - Great Lakes National Program Office, Lake Erie

Selected Publications:

U.S. Environmental Protection Agency. 2006. Lake Michigan Lakewide Management Plan (LaMP) 2006.

Subgoal 7, Are sediments, air, land and water sources or pathways of contamination that affect the integrity of the ecosystem? U.S. Environmental Protection Agency, Great Lakes National Program Office, Region 5, Chicago, IL

Warren, G.J. and R.G. Kreis, Jr. 2005. Recent and Long-term Nutrient Trends in Lake Michigan, pp. 141-155. In:

T. Edsall and M. Munawar (eds). *State of Lake Michigan: Ecology, Health and Management*. Aquatic Ecosystem Health and Management Society, EcoVision World Monograph Series, Goodword Books Pvt. Ltd., New Delhi, India, 639 pp.

Richardson, W.L., D.D. Endicott, R.G. Kreis, Jr., and K.R. Rygwelski. 2004. The Lake Michigan Mass Balance Project: Quality Assurance Plan for Mathematical Modeling. U.S. Environmental Protection Agency, Office of Research and Development, National Health and Environmental Effects Research Laboratory, Mid-Continent Ecology Division-Duluth, MN, Large Lakes Research Station-Grosse Ile, MI. EPA /600/R-048/018, 233 pp.

Kreis, R.G., Jr. 2000. Integrated ecosystem response model for Lake Erie, Appendix B. In *Great Lakes Modeling Summit: Focus on Lake Erie*, L.A. Tulen and J.V. DePinto, Eds., Council of Great Lakes Managers,

International

Joint Commission, Windsor, Ontario, pp. 6-11.

Stoermer, E.F., R.G. Kreis, and N.A. Anderson. 1999. Checklist of diatoms from the Laurentian Great Lakes. II. *J. Great Lakes Res.* 25:515-566.

Endicott, D.D., R.G. Kreis, L. Mackelburg, and D.K. Kandt. 1998. PCB bioaccumulation by the zebra mussel (*Dreissena polymorpha*): Comparison of laboratory and modeling approaches to data for Saginaw Bay, Lake Huron. *J. Great Lakes Res.* 24:411-426.