

## **PEDER M. YURISTA**

Research Biologist

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### Education:

B.S., Mathematics, University of North Carolina, Charlotte, 1980

M.S., Mathematics, Northern Illinois University, DeKalb, 1984

Ph.D., Limnology, University of Michigan, Ann Arbor, 1997

### Employment:

2005-Present      Research Biologist, U.S. EPA, Duluth, MN  
2000-2005        Post Doctoral Researcher, U.S. EPA, Duluth, MN  
1999-2000        Post Doctoral Researcher, DOE-EPSCOR Project, Murray State, Murray, KY  
1997-2000        Post Doctoral Researcher, Center for Reservoir Research, Murray State, Murray, KY  
1980-1989        Radiation Safety Officer, Accelerator Division Fermi National Accelerator Laboratory, Batavia, IL  
1978-1980        Radiation Safety Technician, McGuire Nuclear Power Station, Charlotte, NC  
1971-1977        Engineering Laboratory Technician, United States Navy

### Research Interests and Skills:

Laurentian Great Lakes; Great Lakes near-shore ecosystem assessment methodology and design; Electronic survey instrumentation; Zooplankton indicator development, Zooplankton ecology; Metabolic ecology of zooplankton.

### Professional Societies:

American Society of Limnology Oceanography (ASLO)

International Association for Great Lakes Research (IAGLR)

International Association of Theoretical and Applied Limnology (SIL)

North American Lake Management Society (NALMS)

Sigma Xi

### Selected Publications:

- Yurista, P. M., and J. R. Kelly. (InPress). Spatial patterns of water quality and plankton from high-resolution continuous in situ sensing along a 537-km nearshore transect of western Lake Superior, 2004. IN M. Munawar (ed). The State of Lake Superior. Aquatic Ecosystems Health and Management Ecovision Series.
- Yurista, P. M., J. R. Kelly, and S. E. Miller. 2006. Comparisons of zooplankton community size structure in the Great Lakes. J. Geophys. Res., 111, C05S08, doi:10.1029/2005JC002971.
- Yurista, P. M., J. R. Kelly, and S. E. Miller. 2005. Evaluation of optically acquired zooplankton size-spectrum data as a potential tool for assessment of condition in the Great Lakes. Environmental Management. 35: 34-44.
- Yurista, P. M. 2004. The bioenergetics of a semi-tropical cladoceran, *Daphnia lumholtzi*. Journal of Aquatic Ecology. 19: 681-694.
- Yurista, P. M., D. S. White, G. W. Kipphut, K. Johnston, G. Rice, and S. P. Hendricks. 2004. Nutrient patterns in Kentucky Lake (a mainstem reservoir) USA over a 10-year period. Lake and Reservoir Management. 20: 148-163.
- Yurista, P.M., G.T. Rice, and D.S. White. 2002. Long term establishment of *Daphnia lumholtzi* in Kentucky Lake, USA. Verh. Internat. Verein. Limnol. 27: 3102-3106.
- Yurista, P.M., K. Johnston, G. Rice, G.W. Kipphut, and D.S. White. 2001. Particulate carbon patterns in a mainstream reservoir, Kentucky Lake, Kentucky, USA. Lake Reservoir Manage.17: 330-340.
- Yurista, P.M. and W. J. O'Brien. 2001. Growth, survivorship, and reproduction of *Daphnia middendorffiana* in several arctic lakes and ponds. J. Plankton. Res. 23:733-744.
- Bridgeman, T.B., C.D. Wallace, G.S. Carter, R. Carvajal, L.C. Schiesari, S. Aslam, E. Cloyd, D. Elder, A. Field, K.L. Schulz, P.M. Yurista, and G.W. Kling. 2000. A limnological survey of Third Sister Lake, Michigan, with historical comparisons. Lake Reservoir Manage. 16:253-267.
- Yurista, P.M. 2000. Cyclomorphosis of *Daphnia lumholtzi* induced by temperature. Freshwater Biol. 43:207-213.

- Yurista, P.M. 1999. Temperature dependent energy budget of an arctic cladoceran, *Daphnia middendorffiana*. *Freshwater Biol.* 42:21-34.
- Yurista, P.M. 1999. A model for temperature correction of size specific respiration in *Bythotrephes cederstroemi* and *Daphnia middendorffiana*. *J. Plankton Res.* 21:721-734.
- Schulz, K. L. and P. M. Yurista. 1999. Implications of an invertebrate predator's (*Bythotrephes cederstroemi*) atypical effects on a pelagic zooplankton community. *Hydrobiologia* 380:179-193.
- Yurista, P.M. 1997. *Bythotrephes cederstroemi* diapausing egg distribution and abundance in Lake Michigan and the environmental cues for breaking diapause. *J. Great Lakes Res.* 23:202-209.
- Yurista, P.M. and K.L. Schulz. 1995. Bioenergetic analysis of prey consumption by *Bythotrephes cederstroemi* in Lake Michigan. *Can. J. Fish. Aquat. Sci.* 52: 141-150.
- Schulz, K.L. and P.M. Yurista. 1995. Diet composition from allozyme analysis in the predatory cladoceran *Bythotrephes cederstroemi*. *Limnol. Oceanogr.* 40: 821-826.
- Yurista, P.M. 1992. Embryonic and post-embryonic development in *Bythotrephes cederstroemii*. *Can. J. Fish. Aquat. Sci.* 49: 1118-1125.