

**DAVID M. WARNER**

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**Education**

-Ph.D. Aquatic Ecology, Cornell University, 2004

-M.A. Biology, State University of New York at Oneonta, 1999

-B.T. Fisheries and Aquaculture, State University of New York at Cobleskill, 1992

**Employment history since 1996**

Research Fishery Biologist - U.S. Geological Survey Great Lakes Science Center, Ann Arbor MI 48105, August 2003 - present

Visiting Researcher - SUNY Oneonta Biological Field Station, Cooperstown, NY 13326, May 2000 - August 2003

Research Fellow - Department of Natural Resources, Cornell University, Ithaca, NY 14853, August 1999 - May 2003

NSF Environmental Research Fellow - Department of Natural Resources, Cornell University, Ithaca, NY 14853, August 2001 - August 2002

Fisheries Consultant - State University of New York at Oneonta Biological Field Station, 5838 State Hwy 80, Cooperstown, NY 13326, May 2000 - August 2000 and May 2001 - August 2001

High School Science Teacher - Northern Catskills Alternative High School, Northern Catskill Occupational Center, Grand Gorge, NY, September 1997 - January 1998

Graduate Research Assistant - State University of New York at Oneonta Biological Field Station, 5838 State Hwy 80, Cooperstown, NY 13326, May 1996 - August 1997

**Professional Activities**

-Chair of Lake Michigan Technical Committee Planktivore Working Group, 2006 – present.

-Lake Michigan Technical Committee Salmonine Working Group

-Reviewer for Transactions of the American Fisheries Society, Limnology and Oceanography, Journal of Great Lakes Research, Fisheries Research

-Great Lakes Acoustic Working group, 2002-present

**Publications**

**Warner, D.M.,** R.M. Claramunt, J. Schaeffer, D. Yule, T. Hrabik, B. Pientka, L.G. Rudstam, J. Holuszko, and T.P. O'Brien. 2011. Relationship between midwater trawling effort and uncertainty in pelagic fish community composition in lakes Michigan and Huron. Fisheries Research.

- Bunnell, D.B., B. M. Davis, **D.M. Warner**, M.A. Chriscinske, and E.F. Roseman. 2011. Evaluating the impact of planktivory on the changing Lake Huron zooplankton community: *Bythotrephes* consumption exceeds that of *Mysis* and fish. *Freshwater Biology* 56:1281-1296.
- Pothoven, S.A., H.A. Vanderploeg, **D.M. Warner**, J.S. Schaeffer, S.A. Ludsin, R.M. Claramunt, and T.F. Nalepa. 2011. Influences on *Bythotrephes longimanus* life history characteristics in the Great Lakes. *J. Great Lakes Res.* 38:134-141.
- Claramunt, R.M., T.L. Kolb, D.F. Clapp, D.B. Hayes, J.L. Dexter, and **D.M. Warner**. 2009. Effects of increasing Chinook salmon bag limits on alewife abundance: implications for Lake Michigan management goals. *North American Journal of Fish Management* 29:829-842.
- Warner, D.M.**, J.S. Schaeffer, and O'Brien, T.P. 2009. The Lake Huron pelagic fish community: persistent spatial pattern along biomass and species composition gradients. *Can. J. Fish. Aquat. Sci.* 66:1199-1215.
- Warner, D.M.**, R.M. Claramunt, J.J. Janssen, and D.J. Jude. 2009. Acoustic estimates of abundance and distribution of spawning lake trout on Sheboygan Reef in Lake Michigan. *J. Great Lakes Res.* 35:147-153.
- Rudstam, L.G., S.L. Parker-Stetter, P.J. Sullivan, and **D.M. Warner**. 2009. Towards a standard Operating procedure for the fishery acoustic surveys in the Laurentian Great Lakes, North America. *ICES J. Mar. Sci.* 66:00-00, Advance Access publication date February 10, 2009.
- Madenjian, C.P., R. O'Gorman, D.B. Bunnell, R.L. Argyle, E.F. Roseman, **D.M. Warner**, J.D. Stockwell, and M.A. Stapanian. 2008. Adverse effects of alewives on Laurentian Great Lakes fish communities. *North American Journal of Fish Management* 28:263-282.
- Rudstam, L.G., T. Schaner, G. Gal, B. Boscarino, R. O'Gorman, **D. Warner**, O. Johannsson, and K. Bowen. 2008. Hydroacoustic measures of *Mysis relicta* abundance and distribution in Lake Ontario. *Aquatic Ecosystem Health and Management* 11:355-367.
- Schaeffer, J.S., **D.M. Warner**, and T.P. O'Brien. 2008. Resurgence of emerald shiners (*Notropis atherinoides*) in Lake Huron's main basin. *J. Great Lakes Res.* 34:395-403.
- Warner, D.M.**, C.S. Faul, R.M. Claramunt, and D.F. Clapp. 2008. The influence of alewife year-class strength on prey selection and abundance of age-1 Chinook salmon in Lake Michigan. *Trans. Am. Fish. Soc.* 137:1683-1700.
- Warner, D.M.**, L.G. Rudstam, E.L. Mills, H. Benoit, and O.E. Johannsson. 2006. Seasonal changes in nearshore zooplankton abundance patterns in Lake Ontario following the establishment of the exotic predator *Cercopagis pengoi*. *J. Great Lakes Res.* 32:531-542.
- Fitzsimons, J.D., B. Williston, J.L. Zajicek, D.E. Tillitt, S.B. Brown, L.R. Brown, C.C. Honeyfield, **D.M. Warner**, L.G. Rudstam, and W. Pearsall. 2005. *Journal of Aquatic Animal Health* 17:26-35.
- Albright, M.F., W.N. Harman, W.T. Tibbits, M.S. Gray, **D.M. Warner** and R.J. Hamway. 2004. Biomanipulation: A Classic Example in a Shallow Eutrophic Pond. *Lake and Reservoir Management* 20:263-269.
- Bushnoe, T., **D. M. Warner**, L. G. Rudstam, E. L. Mills. 2003. *Cercopagis pengoi* as a new prey item for alewife (*Alosa pseudoharengus*) and rainbow smelt (*Osmerus mordax*) in Lake Ontario. *Journal of Great Lakes Research* 29:205-121.

- Rudstam, L. G., S. L. Parker, D. W. Einhouse, L. Witzel, **D. M. Warner**, J. Stritzel, D. L. Parrish, and P. Sullivan. 2003. Application of in situ target strength to abundance estimations in lakes- examples from rainbow smelt surveys in Lakes Erie and Champlain. *ICES Journal of Marine Science* 60:500-507.
- Harman, W. N., M. F. Albright and **D. M. Warner**. 2002. Trophic Changes in Otsego Lake, NY Following the Introduction of the Alewife (*Alosa pseudoharengus*). *Lake and Reservoir Management* 18: 215-226.
- Benoît, H. P., O. E. Johannsson, **D. M. Warner**, W. G. Sprules, and L. G. Rudstam. 2002. Assessing the impact of a recent predatory invader: The population dynamics, vertical distribution, and potential prey of *Cercopagis pengoi* in Lake Ontario. *Limnology and Oceanography* 47:626-635.
- Warner, D. M.**, L. G. Rudstam, and R. A. Klumb. 2002. In situ target strength of alewives in freshwater. *Trans. Am. Fish. Soc.* 131:212-223.

**Presentations (present position only)**

- Warner, D.M.**, T.P. O'Brien, S. Farha, and J.S. Schaeffer. Evaluation of Dual Frequency Data to Differentiate Species in the Great Lakes. American Fisheries Society National Meeting, August 2012, St. Paul MN. CONTRIBUTED. Chaired Symposium.
- Warner, D.M.** Sights and sounds of the Great Lakes: examples of using remote sensing as a tool for ecological research. December, 2012, University of Toledo, Toledo, OH. INVITED.
- Warner, D.M.** Acoustic apportionment methods used in lakes Michigan and Huron. Large Lakes Acoustic Workshop, October 2011, Stockholm, Sweden. INVITED.
- Warner, D.M.**, K. Bowen, S.A. Pothoven, D.B. Bunnell, B. Davis, and J.S. Schaeffer. Abundance, Distribution, Production, and Consumption of *Mysis diluviana* in Lake Huron. August 2011, American Fisheries Society National Meeting, Seattle, WA. CONTRIBUTED.
- Warner, D.M.**, R.M. Claramunt, J. Schaeffer, D. Yule, T. Hrabik, B. Pientka, L.G. Rudstam, J. Holuszko, and T.P. O'Brien. Relationship between midwater trawling effort and uncertainty in pelagic fish community composition in lakes Michigan and Huron September 2010. Fish Sampling with Active Methods, Ceske Budejovice, Czech Republic. CONTRIBUTED.
- Warner, D.M.**, J. S. Schaeffer, and R.M. Claramunt. Abundance and distribution of native and non-native species in the changing pelagia of lakes Huron and Michigan. International Association for Great Lakes Research Annual Conference, May 19, 2009, Toledo, Ohio. CONTRIBUTED.
- Warner, D.M.**, J. S. Schaeffer, and T. P. O'Brien. The Lake Huron Pelagic Fish Community: Persistent Spatial Pattern Along Biomass and Community Composition Gradients. March 2009. Lake Huron Committee Meeting. INVITED.
- Warner, D. M.** Multiscale Spatial Patterns in Lake Michigan's *Mysis diluviana* Population. March 2009. University of Wisconsin-Milwaukee WATER Institute. INVITED.
- Warner, D. M.**, J. S. Holuszko, and T. Desorcie. Abundance and Distribution of Pelagic Preyfish and Macroinvertebrates in Lake Michigan. March 2009. Lake Michigan Committee Meeting. INVITED.

- Rudstam, L.G., P. Sullivan, S. Parker-Stetter, and **D. M. Warner**. Acoustics Unpacked - a web based resource for application of standard operating procedures for Great Lakes acoustics (poster). June 2008. ICES International Symposium on Ecosystem Approach and Complementary Technologies (SEAFACETS), Bergen, Norway.
- Warner, D. M.**, and J. S. Holuszko. Abundance and Distribution of Pelagic Preyfish in Lake Michigan. March 2008. Lake Michigan Committee Meeting. INVITED.
- Warner, D. M.**, R. M. Claramunt, D. F. Clapp, and C. S. Faul. The Influence of Alewife Year Class Strength on Prey Selection and Abundance of Age 1 Chinook Salmon in Lake Michigan. March 2008. Lake Michigan Committee Meeting. INVITED.
- Rudstam, L.G., P. Sullivan, S. Parker-Stetter, **D. Warner**, D. Einhouse, T. Schaner, B. Pientka, and D. Yule. Towards standard operating procedures for acoustic surveys in the Great Lakes: progress and remaining issues. FishStock Assessment Methods for Lakes and Reservoirs: Towards the true picture of fish stock, Ceske Budejovice, Czech Republic. INVITED.
- Warner, D.M.**, and J. Schaeffer. Acoustic Sampling in Lake Huron: History, Issues, and Options. Lake Huron Technical Committee meeting, Sarnia, Ontario, 17 Jan. 2007. INVITED.
- Warner, D. M.**, and C. S. Faul. Abundance and Distribution of Pelagic Preyfish in Lake Michigan. March 2007. Lake Michigan Committee Meeting. INVITED.
- Warner, D. M.**, and R. M. Claramunt. May 2005. Acoustic Measures of Prey Fish Year Class Strength in Lakes Michigan and Huron. International Association for Great Lakes Research Annual Conference, Ann Arbor MI. INVITED.
- Warner, D.M.** Pelagic Preyfish Dynamics in Lake Michigan, 2001-2004. Status of Chinook salmon in Lake Michigan, April 9, 2005. Lake Michigan College, Benton Harbor, MI. INVITED.
- Warner, D. M.**, T. P. O'Brien, C. S. Faul, and R. G. Stickel. March 2005. Pelagic preyfish dynamics in Lake Huron in 1997 and 2004. INVITED.
- Warner, D. M.** Preliminary results of the 2001-2004 Acoustic Surveys of Lake Michigan. January 2005. Lake Michigan Technical Committee Winter Meeting. INVITED.
- Warner, D. M.** Preliminary results of the 2004 Acoustic Survey of Lake Huron. January 2005. Lake Huron Technical Committee Winter Meeting. INVITED.
- Warner, D. M.** Survey planning and Design for the 2004 Lake Michigan Acoustic Survey. July 2004. Lake Michigan Technical Committee Winter Meeting. INVITED.