

Darren M. Ward

Humboldt State University
Department of Fisheries Biology
1 Harpst Street
Arcata, CA 95521

Ph: 707-826-3344
email: darren.ward@humboldt.edu

EDUCATION AND APPOINTMENTS

- 2010-Present: Assistant Professor of Fisheries Biology, Humboldt State University
- 2007-2010: Post-doctoral research associate, Dartmouth College, Department of Biological Sciences
- 2002-2007: Ph.D., Dartmouth College, Department of Biological Sciences, Program in Ecology and Evolutionary Biology
- 1999-2002: M.S., University of Minnesota, Department of Fisheries, Wildlife and Conservation Biology; Statistics Minor.
- 1993-1998: B.S., Utah State University, Department of Fisheries and Wildlife; Biology Minor

PUBLICATIONS

- Brooks, R. T., S. L. Eggert, K. H. Nislow, R. K. Kolka, C. Y. Chen, and D. M. Ward. 2012. Preliminary assessment of mercury accumulation in Massachusetts and Minnesota seasonal forest pools. Wetlands DOI: 10.1007/s13157-012-0298-4.
- Ward, D. M., B. M. Mayes, S. Sturup, C. L. Folt, and C. Y. Chen. 2012. Assessing element-specific patterns of bioaccumulation across New England lakes. *Science of the Total Environment* 2012:230-237.
- Ward, D. M., K. H. Nislow, C. L. Folt, and J. Grant. 2011. Seasonal shift in the effects of predators on juvenile Atlantic salmon (*Salmo salar*) energetics. *Canadian Journal of Fisheries and Aquatic Sciences* 68:2080-2089.
- Ward, D.M. and N.A. Hvidsten. 2010. Predation: compensation and context dependence. in Ø. Aas, S. Einum, A. Klemetsen and J. Skurdal (editors) *Atlantic Salmon Ecology*. Wiley-Blackwell.
- Ward, D.M., K.H. Nislow, C.Y. Chen, and C.L. Folt. 2010. Rapid, efficient growth reduces mercury concentrations in stream-dwelling Atlantic salmon. *Transactions of the American Fisheries Society* 139:1-10.
- Ward, D.M., K.H. Nislow, C.Y. Chen, and C.L. Folt. 2010. Reduced trace element concentrations in fast-growing juvenile Atlantic salmon in natural streams. *Environmental Science & Technology* 44:3245–3251.
- Ward, D.M., K.H. Nislow, and C.L. Folt. 2010. Bioaccumulation syndrome: identifying factors that make some stream food webs prone to methylmercury accumulation. *Annals of the New York Academy of Sciences* 1195 The Year in Ecology and Conservation Biology:62-83.
- Chen, C.Y., M. Dionne, B.M. Mayes, D.M. Ward, S. Sturup, and B. Jackson. 2009. Mercury bioavailability and bioaccumulation in estuarine food webs in the Gulf of Maine. *Environmental Science & Technology* 43:1804-1810.
- Ward, D.M., K.H. Nislow, and C.L. Folt. 2009. Increased population density and suppressed prey biomass: relative impacts on juvenile Atlantic salmon growth. *Transactions of the American Fisheries Society* 138:135-143.
- Ward, D.M., K.H. Nislow, and C.L. Folt. 2008. Do native fish limit survival of reintroduced Atlantic salmon in historic rearing streams? *Biological Conservation* 141:146-152.
- Ward, D.M., K.H. Nislow, and C.L. Folt. 2008. Predators reverse the direction of density dependence for juvenile salmon mortality. *Oecologia* 156:515-522.
- Ward, D.M., K.H. Nislow, J.D. Armstrong, S. Einum, and C.L. Folt. 2007. Is the shape of the density–

growth relationship for stream salmonids evidence for exploitative rather than interference competition? *Journal of Animal Ecology* 76:135-138.

Ward, D.M. and R.M. Newman. 2006. Fish predation on Eurasian watermilfoil (*Myriophyllum spicatum*) herbivores and indirect effects on macrophytes. *Canadian Journal of Fisheries and Aquatic Sciences* 63:1049-1057.

GRANTS & FUNDING

- Fisheries Restoration Grant Program; Marine survival of coho salmon across California coastal streams, 2012
- Fisheries Restoration Grant Program; Upper Klamath Coho salmon workshop (with Andrew Kinziger), 2012
- NOAA CIMEC; Shasta River restoration evaluation, 2011-2012
- Save the Redwoods League research grant program; New Zealand mud snails in Redwood National Park (with Adam Sepulveda and Laurie Marczak), 2011
- Fisheries Restoration Grant Program; Redwood Creek and Humboldt Bay Salmonid Monitoring (with David Hankin and Seth Ricker), 2010
- USFS Joint Venture: Ecosystem change and mercury contamination (with Carol Folt), 2009
- Dartmouth College Graduate Fellowship, 2002-2007
- Atlantic Salmon Federation Olin Fellowship 2004-2005
- University of Minnesota Graduate Fellowship, 1999-2000

TEACHING EXPERIENCE

Courses- Humboldt State

- Fish Conservation and Management. Fall, 2011-ongoing. Freshman level, lecture.
- Advanced Fish Conservation and Management. Fall, 2010-ongoing. Senior level, lecture.
- Ecology of Freshwater Fishes. Spring, 2011-2012. Senior level, lecture and laboratory.

Teaching assistantships

- Dartmouth: seven terms as a teaching assistant in Introduction to Ecology, Biodiversity, Animal Behavior (2 terms), Aquatic Ecology, and Biostatistics.
- University of Minnesota: Fisheries Ecology and Management.

Training

- Course design and assessment, Dartmouth Center for the Advancement of Learning

SERVICE

Manuscript reviews: *Canadian Journal of Fisheries and Aquatic Sciences*, *Canadian Journal of Zoology*, *Ecology of Freshwater Fish*, *Ecotoxicology*, *Environmental Biology of Fishes*, *Environmental Research*, *Environmental Science & Technology*, *Ethology*, *Fundamental and Applied Limnology*, *Journal of Applied Ecology*, *Journal of Fish Biology*, *Methods in Ecology and Evolution*, *North American Journal of Fisheries Management*, *Oecologia*, *Proceedings of the National Academy of Science*, *Science of the Total Environment*, *Transactions of the American Fisheries Society*

Academic service

- 2012 Temporary Faculty Search committee member
- 2010-present, Learning outcomes assessment liaison, Department of Fisheries Biology, Humboldt State University
- 2004-2005 Graduate student faculty meeting representative, Department of Biological Sciences,

Dartmouth College

- 2001-2002 Seminar committee, Department of Fisheries, Wildlife, and Conservation Biology, University of Minnesota

Outreach

- Humboldt County Science Fair judge. 2012
- Environmental Science merit badge counselor, Pacific Rivers Boy Scout District. 2010-2012
- Volunteer for Four Winds/Vermont Institute of Natural Sciences elementary school science education program. 2005-2010
- Volunteer and guest speaker at the Montshire Museum of Science, Norwich, Vermont. 2003-2007