

**GRAHAM D. SHERWOOD**  
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#### PROFESSIONAL PREPARATION

McGill University, Biology & Environmental Science (Double Major), B.Sc., 1994  
McGill University, Biology, Ph.D., 2002

#### APPOINTMENTS

2005-present     Research Scientist, Fisheries Ecology, Gulf of Maine Research Institute (GMRI)  
2005-present     Adjunct Scientist, University of Southern Maine (USM)  
2010-present     Adjunct Professor, University of Maine, School of Marine Sciences  
2002-2005       Post-Doctoral Researcher, Memorial University of Newfoundland and Labrador (MUN)

#### SELECTED PUBLICATIONS

McMahan, M.D., Brady, D.C., Cowan, D., Grabowski, J.H., **and Sherwood, G.D.** Using acoustic telemetry to observe the effects of a groundfish predator (Atlantic cod, *Gadus morhua*) on movement of the American lobster (*Homarus americanus*). *Canadian Journal of Fisheries and Aquatic Sciences*, in press.

**Sherwood, G.D.**, and Grabowski, J.H. 2010. Exploring the life-history implications of colour variation in offshore Gulf of Maine cod (*Gadus morhua*). *ICES Journal of Marine Science* 67: 1640-1649.

Pershing, A.J., Christensen, L.B., Record, N.R., **Sherwood, G.D.**, and Stetson, P.B. 2010. The Impact of Whaling on the Ocean Carbon Cycle: Why Bigger Was Better. *PLoS ONE* 5(8): e12444.

Runge, J.A., Kovach, A.I., Churchill, J.H., Kerr, L.A., Morrison, J.R., Beardsley, R.C., Berlinsky, D.L., Chen, C., Cadrin, S.X., Davis, C.S., Ford, K.H., Grabowski, J.H., Howell, W.H., Ji, R., Jones, R.J., Pershing, A.J., Record, N.R., Thomas, A.C., **Sherwood, G.D.**, Tallack, S.M.L., and Townsend, D.W. 2010. Understanding climate impacts on recruitment and spatial dynamics of Atlantic cod in the Gulf of Maine: integration of observations and modelling. *Progress in Oceanography* 57: 251-263.

Rose, G.A., Bradbury, I.R., deYoung, B., Fudge, S.B., Lawson, G.L., Mello, L.G.S., Rideout, R., Robichaud, D.R., **Sherwood, G.D.**, Snelgrove, P.V.R., and Windle, M.J.S. 2008. Rebuilding Atlantic Cod: Lessons from a Spawning Ground in Coastal Newfoundland. In *Resiliency of Gadid Stocks to Fishing and Climate Change*. Alaska Sea Grant College Program.

**Sherwood, G.D.**, Rideout, R.M., Fudge, S.B., and Rose, G.A. 2007. Influence of diet on growth, condition and reproductive capacity in Newfoundland and Labrador cod (*Gadus morhua*): insights from stable carbon isotopes. *Deep-Sea Research II* 54: 2794-2809.

**Sherwood, G.D.**, and Rose, G.A. 2005. Stable isotope analysis of some representative fish and invertebrates of the Newfoundland and Labrador continental shelf ecosystem. *Estuarine, Coastal and Shelf Science* 63: 537-549.

**Sherwood, G.D.**, and Rose, G.A. 2003. Influence of swimming form on otolith  $\delta^{13}\text{C}$  in marine fish. *Marine Ecology Progress Series* 258: 283-289.

**Sherwood, G.D.**, Pazzia, I., Moeser, A., Hontela, A., and Rasmussen, J.B. 2002. Shifting gears: enzymatic evidence for the energetic advantage of switching diet in wild-living fish. *Canadian Journal of Fisheries and Aquatic Sciences* 59: 229-241.

**Sherwood, G.D.**, Kövecses, J., Hontela, A., and Rasmussen, J.B. 2002. Simplified food webs lead to energetic bottlenecks in polluted lakes. *Canadian Journal of Fisheries and Aquatic Sciences* 59: 1-5.

#### **SYNERGISTIC ACTIVITIES**

- 1) Co-PI in NSF CNH project: Collaborative Research: Direct and Indirect Coupling of Fisheries Through Economic, Regulatory, Environmental, and Ecological Linkages; currently examining trophic linkages among Atlantic cod, Atlantic herring and lobster in the Gulf of Maine.
- 2) Lead PI in NOAA funded (CINAR) project to conduct acoustic herring survey in inshore Maine waters.
- 3) Serve as reviewer for Canadian Journal of Fisheries and Aquatic Sciences, Marine Ecology Progress Series, Ecotoxicology and Environmental Safety, Journal of Animal Ecology, Ecological Applications, Canadian Journal of Zoology, ICES Journal of Marine Science, Estuaries and Coasts, and Wetlands and served as panelist for New Hampshire Sea Grant and reviewed proposals for MIT Sea Grant.
- 4) Serve as member of New England Fishery Management Council's Monkfish Plan Development Team.
- 5) Actively involved in public outreach and education at the Gulf of Maine Research Institute and regularly give lectures to interested public as well as engage 5th and 6th grade students in current research.

#### **COLLABORATORS**

L. Alade (NMFS), C. Bank (SMAST), D. Berlinsky (UNH), I. Bradbury (Dalhousie U., Canada), S. Cadrin (SMAST), Y. Chen (UMaine), J. Churchill (WHOI), B. DeYoung (Memorial U., Canada), S. Fudge (Memorial U., Canada), W. Golet (UNH), J. Grabowski (NEU), G. Herrara (Bowdoin), D. Holland (GMRI), H. Howell (UNH), L. Incze (USM), O. Jensen (U. Washington), J. Kelly (Maine DMR), L. Kerr (SMAST), J. Kocik (NOAA), A. Kovach (UNH), J. Link (NMFS), M. Lutcavage (UNH), L. Mello (Memorial U., Canada), A. Pershing (UMaine), J. Rasmussen (U. Lethbridge, Canada), A. Richards (NMFS), R. Rideout (DFO, Canada), G. Rose (Memorial U., Canada), J. Runge (UMaine), S. Sherman (Maine DMR), J. Stockwell (UVM), S. Tallack (GMRI), T. Willis (USM), K. Wilson (USM), M. Windle (Memorial U., Canada), G. Wippelhauser (Maine DMR), G. Zydlewski (UMaine); P. Yund (UNE)

#### **GRADUATE AND POSTDOCTORAL ADVISORS**

Ph.D. Advisor: J.B. Rasmussen (U. Lethbridge, Canada)  
Postdoctoral Advisor: G.A. Rose (Memorial U., Canada)

#### **GRADUATE STUDENTS**

Marissa McMahon (UMaine, M.Sc. graduated 2011); Erin Wilkinson (UNE, M.Sc. graduated 2012); Katie Wurtzell (UMaine, M.Sc. ongoing)