

CURRICULUM VITAE – GB ZYDLEWSKI

Director, Maine Sea Grant College Program & Professor of Marine Sciences
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EDUCATION

Doctor of Philosophy – 1996 – *The role of olfaction in migrations of the American eel (Anguilla rostrata): Behavior and physiology*. University of Maine. Advisor: Dr. James D. McCleave

Master of Science – 1992 – *An experimental study of the swimming behavior of American eel, Anguilla rostrata (LeSueur), elvers from the Annaquatucket River, Rhode Island*. University of Rhode Island. Advisor: Dr. William Krueger

Bachelor of Science – 1990, Summa Cum Laude. Major: Marine Biology and Biology
Southeastern Massachusetts University

PROFESSIONAL APPOINTMENTS

2018 on	Director, Maine Sea Grant College Program
2019 on	Professor of Marine Sciences, University of Maine
2016 - 2019	Associate Professor of Marine Sciences, with tenure, University of Maine
2013 – 2015	Associate Professor of Marine Sciences, un-tenured, University of Maine
2012 – 2013	Research Associate Professor of Marine Sciences, University of Maine
2004	Research Assistant Professor of Marine Sciences, University of Maine
2003	Supervisory Fishery Biologist, US Fish & Wildlife Service,
– 2012	Abernathy Fish Technology Center
– 2004	
2000 – 2003	Fishery Biologist, US Fish & Wildlife Service, Abernathy Fish Technology Center
1999	Instructor, Department of Wildlife and Fisheries Conservation, University of
	Massachusetts, Amherst, MA
1997 – 1999	Postdoctoral Research Associate, National Research Council, US Geological Survey,
	Conte Anadromous Fish Research Center, Mentor: Stephen D. McCormick
1996-1997	Postdoctoral Research Associate, University of Maine, School of Marine Sciences

MOST RECENT PUBLISHED PEER-REVIEWED MANUSCRIPTS:

1. Carlson, A.K., Taylor, W.M., Kinnison, M.T., Sullivan, S.M.P., Weber, M.J., Melstrom, R.T., Venturelli, P.A., Wuellner, M.R., Newman, R.M., Hartman, K.J., **Zydlewski, G.B.**, DeVries, D.R., Gray, S.M., Infante, D.M., Pegg, M.A., Harrell, R.M. 2019. Threats to Freshwater Fisheries in the United States: Perspectives and Investments of State Fisheries Administrators and Agricultural Experiment Station Directors. *Fisheries*. 44(6), 276-287.
2. Staines, G., Zydlewski, G., & Viehman, H. 2019. Changes in Relative Fish Density Around a Deployed Tidal Turbine during on-Water Activities. *Sustainability*, 11(22), 6262.
3. Pietrak, M., Jensen, A., **Zydlewski, G.B.**, Bricknell, I. 2019. The Three-Spined Stickleback; *Gasterosteus aculeatus* Linnaeus 1758, Plays a Minor Role as Host of *Lepeophtheirus salmonis* Krøyer 1837 in the Gulf of Maine. *Journal of Fish Diseases*, 42(7), 985-989.
4. Vieser, J., **Zydlewski, G.B.**, & McCleave, J. 2018. Finfish Diversity and Distribution in a Boreal, Macrotidal Bay. *Northeastern Naturalist*. 25(4): 545-570.
5. Altenritter, M., **G.B. Zydlewski**, M. Kinnison, J. Zydlewski, G. Wippelhauser. 2017. Understanding the basis of shortnose sturgeon (*Acipenser brevirostrum*) partial migration in the Gulf of Maine. *Canadian Journal of Fisheries and Aquatic Sciences*. 75(3): 464-473.
6. Viehman H, **Zydlewski GB**. 2017. Multi-scale temporal patterns in fish passage in a high-velocity tidal channel. *PLoS ONE*.12(5), e0176405.

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OTHER PUBLICATIONS:

1. **Zydlewski, G.B.**, Copping, A., Redden. 2015. Special Issue: Renewable Ocean Energy Development and the Environment. *Estuaries and Coasts*. 38 (Suppl 1): S156-S158.
2. **Zydlewski, G.B.**, Viehman, H.S., Staines, G.S., Shen, H., McCleave, J.D. 2014. Fish interactions with marine renewable devices: Lessons learned, from ecological design to improving cost effectiveness. Proceedings of the 2nd International Conference on Environmental Interactions of Marine Renewable Energy Technologies (EIMR2014), 28 April – 02 May 2014, Stornoway, Isle of Lewis, Outer Hebrides, Scotland. www.eimr.org.
3. Johnson, T., **Zydlewski, G.B.** 2012. Research for the Sustainable Development of Tidal Power in Maine. *Maine Policy Review*. 21(1): 58-65.
4. **Zydlewski, G.B.** 2011. Book Review: Eels at the Edge: Science, Status, and Conservation Concerns. *Transactions of the American Fisheries Society*. 140(2): 526-527.
5. **Zydlewski, G.B.** 2008. Finding the Right Balance, Personal and Professional, as a Mother in Science. Pages 135-139. In: Emily Monoson, editor. *Motherhood, the Elephant in the Laboratory: Women Scientists Speak Out*. Cornell University Press, Ithaca, NY.

RECENT GRANTS:

NOAA-Sea Grant	Maine Aquaculture Hub	\$1,199,996	2019
NOAA-NMFS	Diadromous Species Internship Program	\$ 68,265	2019
NOAA-NMFS	Diadromous Species Ecosystem Program	\$ 308,728	2019
NOAA-CINAR	Undergraduate Research Internships	\$ 50,630	2018
USFWS SWG	Sturgeon in Lake Champlain	\$ 130,461	2018
Maine Outdoor	Sturgeon Conservation in Maine	\$ 14,500	2018
SW Cole Eng.	Bangor landing Sturgeon & Salmon assessment	\$ 6,679	2018
FORCE	Marine fish monitoring in Minas Passage (PI)	\$ 21,578	2017-2018
TNC	Sturgeon and dam removal (PI)	\$ 40,503	2017
Maine Sea Grant	Engaging partners in Cobscook Bay	\$ 3,300	2017
DOE/ORPC	Advanced TidGen® Power System (PI)	\$ 508,000	2017-2021

SYNERGISTIC ACTIVITIES

LEADER IN MARINE EDUCATION. In 2016 Zydlewski was appointed to the Board of Trustees of the magnet High School for *Marine Science, Technology, Transportation, and Engineering*, working as the *Maine Ocean School*, tasked to lead marine-based High School education in the State of Maine. The school opened in September 2018 and Zydlewski is now serving as Acting chair of the Board. She also served as Program lead. Since 2015 she has also served on the American Fisheries Society *Excellence in Fisheries Education Committee*.

LEADER IN STAKEHOLDER ENGAGEMENT. Zydlewski has been technical Advisor to the Adaptive Management Team of the Cobscook Bay Tidal Energy Project of Ocean Renewable Power Company since 2012; Invited and Presented as Keynote Speaker at the *Environmental Impact Assessments of Marine Renewable Energy* meeting (Title: *Sound science and community engagement for tidal power policy development*) held at the University of Tokyo, Japan, 22 February 2018; 2010-2017 served as expert for the International Energy Agency (IEA) Annex IV Experts' Workshops.

ADVISING AND MENTORING

Dr. Zydlewski has taught courses in marine vertebrate biology and fisheries oceanography. Since 2012 she has supervised 32 staff and students, including 16 undergraduate research advisees, 7 Master's students, 4 PhD students, 2 postdoctoral researchers, and multiple staff.