

JOHN R. WALDMAN

CURRICULUM VITAE

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EDUCATION

- 1986 Ph.D. Biology, Graduate School of the City University of New York & The American Museum of Natural History: *Joint Program in Evolutionary Biology*
- 1981 M.S. Marine and Environmental Sciences, Long Island University
- 1978 B.A. Biology, Herbert H. Lehman College, City University of New York

PROFESSIONAL APPOINTMENTS & OTHER EMPLOYMENT

- Professor Biology Department, Queens College, 2004-present
- Senior Scientist Hudson River Foundation for Science and Environmental Research, New York, 1984-2004
- Field Biologist New Jersey Marine Sciences Consortium for the West Side Highway (Westway) Study, 1983-1984
- Research Assistant City University of New York, University Dean for Faculties, 1982-1983
- Sportfishing Surveyor Human Science Resources; McLean, Virginia (for National Marine Fisheries Survey), 1978-1979
- Surveyor, Long Island National Marine Fisheries Service, Atlantic Bluefin Tuna Survey, 1978

ADDITIONAL ACADEMIC APPOINTMENTS

- Executive Committee The Science and Resilience Institute for Jamaica Bay, 2014-present
- Institute Fellow CUNY Institute for Sustainable Cities, 2008-present
- Adjunct Professor Marine Sciences Research Center, State University of New York at Stony Brook, 1996-2003

Adjunct Professor Department of Biology, Long Island University, 1995-1997
Adjunct Professor Doctoral Program in Biology, The Graduate School,
The City University of New York, 1994-2004
Research Associate Department of Ichthyology, American Museum of Natural
History, 1993-2005

JOURNAL ARTICLES & BOOK CHAPTERS

- McClenachan, L., **J. Waldman**, et al. and 37 co-authors. (In press). Global research priorities for historical ecology to inform conservation. *Endangered Species Research*.
- Waldman, J.**, D. DeVries, D. Bloom, E. Hilton, and W. Bemis. Clupeidae: Herrings. (In press). M. Warren, T. Echelle, B. Kuhajda, and S. Ross, Editors. *Freshwater Fishes of North America*. Volume 2.
- Poulet, C., G. Lassalle, A. Jordaan, K.E. Limburg, C.C. Nack, J.A. Nye, A. O'Malley, B. O'Malley-Barber, D.S. Stich, **J.R. Waldman**, J. Zydlewski, and P. Lambert (In press). Effect of straying, reproductive strategies and ocean distribution on the structure of American shad populations across its native range. *Ecosphere*.
- Andrews, S.N., **J.R. Waldman**, M.S.A. Penney, Z. Yang, and T.S. Avery. 2023. Verification of a stripeless striped Bass *Morone saxatilis* in Miramichi River, New Brunswick, Canada. *Northeastern Naturalist*. 30(3):N35-N43 (2023).
<https://doi.org/10.1656/045.030.0307>
- Boehm, J.T., E. Bovee, S. Harris, K. Eddins, I. Akahoho, M. Foster, S. Pell, M.J. Hickerson, G. Amato, R. DeSalle, and **J. Waldman**. 2023. The United States dried seahorse trade: a comparison of traditional Chinese medicine and e-commerce-curio markets using molecular identification. *Plos One*.
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- Wirgin, I., R.C. Chambers, **J.R. Waldman**, N.K. Roy, D.A. Witting, and M. Mattson. 2023. Effects of Hudson River stressors on Atlantic tomcod: Contaminants and a warming environment. *Reviews in Fisheries Science & Aquaculture* 1-30.
- Wirgin, I., A.G. Fox, L. Maceda, and **J. Waldman**. 2023. Two distinct life history strategies of Atlantic Sturgeon in the Ogeechee River, Georgia. *Diversity* 15, 325.
<https://doi.org/10.3390/d15030325>.

- Wirgin, I., L. Maceda, J. Stabile, and J. Waldman. 2022. Genetic population structure of summer flounder *Paralichthys dentatus* using Microsatellite DNA Analysis. *Fisheries Research* DOI: 10.1016/j.fishres.2022.106270
- Waldman, J.**, and T. Quinn. 2022. North American diadromous fishes: Drivers of decline, tractability, and potential for recovery in the Anthropocene. *Science Advances* 8, eab15486.
- Sharma, S., and **J. Waldman**. 2021. Potential solar replacement of hydroelectricity to reopen rivers: Maine as a case example. *Fisheries*, <https://doi.org/10.1002/fsh.10619>.
- Camhi, M., M. Bednarski, J. LaBelle, and **J. Waldman**. 2021. Abundance and distribution of American Eel in a heavily dammed urban river. *North American Journal of Fisheries Management*, DOI: 10.1002/nafm.10620.
- Chin, S.C., **J. Waldman**, M. Bednarski, M. Camhi, J. LaBelle, and S.E Alter. 2021. Relating American eel abundance to environmental DNA concentration in the Bronx River. *North American Journal of Fisheries Management*, DOI: 10.1002/nafm.10625
- Solecki, W., **J. Waldman**, and J. Cytryn. 2021. A hinge in history: The environmental transformation of New York's Jamaica Bay as told through newspaper reports. Chapter 2 in C.A. Zimring and S.H. Corey, editors. *Coastal Metropolis: Environmental Histories of Modern New York City*. University of Pittsburgh Press.
- Wirgin, I., L. Maceda, M. Tozer, J. Stabile, and **J. Waldman**. 2020. Atlantic coastwide population structure of striped bass *Morone saxatilis* using microsatellite DNA analysis. *Fisheries Research* 226, 105506. <https://doi.org/10.1016/j.fishres.2020.105506>.
- Sheridan, K., and **J. Waldman**. 2020. Evaluating success of reintroduction of Pāteke (Brown Teal) to lake and forest habitats in a predator-controlled preserve in New Zealand. *Ecological Management & Restoration* 21: 12432.
- Waldman, J.**, S. Sharma, B. Fekete, and S. Afshari. 2019. Solar-power replacement as a solution for hydropower foregone in US dam removals. *Nature Sustainability* 2: 872–878.
- Whelan, G., D.M. Day, J. Casselman, L. Gephart, C.J. Hall, J. Lichatowich, M. Matylewich, L. Miranda, L. Roulson, P.D. Shirey, N. Mercado-Silva, **J. Waldman**, and D. Winters. 2020. Tracking fisheries through time: The American Fisheries Society as a historical lens. *Fisheries*, 45:392-426.

- Waldman, J.R.**, D. Peterson, E.A. Alter, and I. Wirgin. 2019. Historical and contemporary effective population sizes of Atlantic sturgeon populations. *Conservation Genetics* 20:167-184.
- Sharma, S., **J. Waldman**, B. Fekete, S. Afshari. 2019. Status and trends of American hydropower. *Renewable & Sustainable Energy Reviews* 101:112-122.
- Massiot-Granier, F., G. Lassallea, P.R. Almeida, M. Aprahamian, M. Castonguay, H. Drouineau, E. Garcia-Berthou, P. Laffaille, A. Lechêne, M. Lepage, K. Limburg, J. Lobry, E. Rochard, K. Rose, J. Rosebery, T. Rougier, **J. Waldman**, K. Wilson, and P. Lambert. 2018. A generic method to assess species exploratory potential under climate change. *Ecological Indicators* 90:615-623.
- Waldman, J.R.**, D. Peterson, E.A. Alter, and I. Wirgin. 2018. Historical and contemporary effective population sizes of Atlantic sturgeon populations. *Conservation Genetics* <https://doi.org/10.1007/s10592-018-1121-4>.
- Roman, I., Y. Bourgeois, J. Reyes-Velasco, S. Boissinot, **J.R. Waldman**, and O.P. Jensen. 2018. Contrasted patterns of divergence and gene flow among fish species in a Mongolian rift lake following glaciation. *Biological Journal of the Linnaean Society* 125:115–125.
- Waldman, J.** 2018. Delaware River. *From Sea to Source* 2.0:32-33.
- Waldman, J.** 2017. A novel three-way interaction among a fish, a parasitic copepod, and algae. *Ecology* 98:3219-3220.
- Waldman, J.** 2017. An eel fishing legacy worth remembering. *Fisheries* 42:71-72.
- Branco, B., and **J.R. Waldman**. 2016. Resilience practice in urban watersheds. Pages 21-42 in E.W. Sanderson, W.D. Solecki, J.R. Waldman, and A.S. Parris. *Prospects for Resilience: Insights from New York City's Jamaica Bay*. Island Press, Washington D.C.
- Waldman, J.**, K.A. Wilson, M. Mather, and N.P. Snyder. 2016. A resilience approach can improve anadromous fish restoration. *Fisheries* 41:116-126.
- Handel, S.N., J. Marra, C.M.K. Kaunzinger, V. Monica Bricelj, J. Burger, R.L. Burke, M. Camhi, C.P. Colon, O.P. Jensen, J. LaBelle, H.C. Rosenbaum, E.W. Sanderson, M.D. Schlesinger, **J.R. Waldman**, and C.B. Zarnoch. 2016. Ecology of Jamaica Bay: history, status, and resilience. Pages 91-116 in E.W. Sanderson, W.D. Solecki, **J.R. Waldman**, and A.S. Parris. *Prospects for Resilience: Insights from New York City's Jamaica Bay*. Island Press, Washington D.C.

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- Wirgin, I., L. Maceda, **J. Waldman**, and D.T. Mayack. 2015. Genetic variation and population structure of American mink *Neovison vison* from PCB-contaminated and non-contaminated locales in Eastern North America. *Ecotoxicology* 24:1961-1975.
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- Brantner, J.S., D.W. Ott, R.J. Duff, J.I. Orridge, **J.R. Waldman**, and S.C. Weeks. 2013. Evidence of selfing hermaphroditism in the clam shrimp *Cyzicus gynecia* (Branchiopoda, Spinicaudata). *Journal of Crustacean Biology* 34:184-190.
- Brown, J.J., K. E. Limburg, **J.R. Waldman**, K. Stephenson, E. Glenn, F. Juanes. 2013. Fish and hydropower on the US Atlantic coast: another example of failed fisheries policies through half-way technologies? *Conservation Letters* 6:280-286.
- Waldman, J.R.**, T. King, T. Savoy, L. Maceda, C. Grunwald, and I. Wirgin. 2013. Stock origins of subadult and adult Atlantic sturgeon, *Acipenser oxyrinchus*, in a non-natal estuary, Long Island Sound. *Estuaries and Coasts* 36:257-267.
- Boehm, J.T., L. Woodall, P. Teske, S. Lourie, C. Baldwin, **J. Waldman**, and M. Hickerson. 2013. Marine dispersal and barriers drive Atlantic seahorse diversification. *Journal of Biogeography*. wileyonlinelibrary.com/journal/jbi1doi:10.1111/jbi.12127.
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- Dunning, D.J., **J.R. Waldman**, Q.E. Ross, M.T. Mattson. 2006. Dispersal of Age-2+ striped bass out of the Hudson River. *American Fisheries Society Symposium Series* 51:287-294.
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- Wirgin, I., C. Grunwald, E. Carlson, J. Stabile, D.L. Peterson, and **J. Waldman**. 2005. Range-wide population structure of shortnose sturgeon *Acipenser brevirostrum* based on sequence analysis of the mitochondrial DNA control region. *Estuaries* 28:406-421.
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AWARDS & HONORS

- | | |
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| 2018 | Professional Achievement Award, New York Chapter – American Fisheries Society |
| 2017 | Carl R. Sullivan Fishery Conservation Award, American Fisheries Society |
| 2012 | New York Conservation Leader Award, Wildlife Conservation Society |
| 2012 | Rockefeller Foundation Bellagio Residency Fellowship |
| 2004 | Norcross Wildlife Conservation Award |
| 2000 | New York Society Library Award in Natural History, 2000, for <i>Heartbeats in the Muck: The History, Environment and Sea Life of New York Harbor</i> |

1997 Most Significant Paper, Transactions of the American Fisheries Society

EDITORIAL SERVICE FOR JOURNALS

Editorial Board, *Fishes*, 2002-present

Guest Editor, 2000-2001; Editorial Board, 2002-present, *Northeastern Naturalist*

Editorial Board, *Transactions of the American Fisheries Society*, 2003-2004

Science Advisor, *The Estuarian*, 1998

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Guest editor, *The Sturgeon Quarterly*, 1995-1997

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Satellite Tracking of Double-crested Cormorants. \$3,200. Norcross Wildlife Foundation, 2009.

Historical Ecology of Mannahatta's Waters, \$49,960. Hudson River Foundation & New England Interstate Water Pollution Control Commission, 2008, (co-PI with E. Sanderson).

Development of a Research Opportunities Catalog for Jamaica Bay. \$30,000. National Park Service, 2006.

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Biology of the Thames River's Unique Wintering Aggregation of Striped Bass, \$500. Sounds Conservancy, Quebec-Labrador Foundation, 2006.

The Historical Ecology of East Coast Anadromous Fishes, \$2,517. PSC-CUNY, 2006.

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Manager - Hudson River Striped Bass Tag Recovery Program, Contracts from New York Power Authority totaling \$1,100,000 from 1984-2004.

Genetic Studies on Shortnose Sturgeon *Acipenser brevirostrum*. \$24,999. National Marine Fisheries Service. 2001-2002. (co-PI with I. Wirgin).

Support for Shad 2001: A Conference on the Status and Conservation of Shads. \$10,000, National Fish and Wildlife Foundation; \$7,500, Norcross Wildlife Foundation; \$5,000, Hudson River Estuary Management Program; \$5,000, Maryland Sea Grant; \$2,500, Chesapeake Bay Program; \$2,000, South Carolina Department of Natural Resources; \$1,500, Pennsylvania Fish and Boat Commission. 2001. (co-PI with K. Limburg).

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Test of Identification Methods for Larval Striped Bass and White Perch. \$38,000. Consolidated Edison Co., 1995.

DNA Analysis of Atlantic and Gulf Sturgeon Populations and Mixed Assemblages. \$160,000. New York State Sea Grant, 1993-1995. (co-PI with I. Wirgin).

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City College Biology Department Graduate Research Grants, 1983 and 1985.

CONSULTING

National Oceanic & Atmospheric Administration, subcontract with Industrial Economics, Inc. Desktop Modeling Hydropower Impacts on Migratory Fish, 2021-present.

U.S. Environmental Protection Agency, subcontract with Louis Berger U.S.; Hudson River Fisheries & PCBs, 2019-present.

Great Lakes Environmental Center; Sturgeon Distribution and Occurrences in the Lower Hudson River Estuary, 2018.

Great Lakes Environmental Center; Impact Evaluation of Projected DO Deficits in NY-NJ Harbor Estuary, 2016-2017.

New York City Department of Environmental Protection; Oversight of Study for Effects of Shading by Piers on Fishes of New York Harbor, 2009-2010.

New York City Department of Health; Identification of Fish Species in Asian Fish Markets in New York City for Contaminants Analysis, 2007.

New York City Department of Environmental Protection; Design of Study for Effects of Shading by Piers on Fishes of New York Harbor, 2006.

Marine Stewardship Council; Preassessment Maryland Striped Bass Fishery, 2004.

Hudsonia, Ltd.; Annandale, New York, Hudson River Larval Fish Identification, 1983.

De Leuw, Cather/Parsons; Washington DC, 1983; Identification of Fish Species from Skeletal Material Recovered at a RI Native American Archaeological Site, 1983.

Ecological Survey of Georgica Pond, Easthampton, NY, 1982.

PRESENTATIONS

More than 260 seminars, invited lectures, panel discussions, and conference and workshop presentations.

Selected Keynote, Plenary, and Endowed Presentations

Atlantic Rivers: Migratory Fish, Dams, Energy Production and Thoreau, University of Maine, Annual Machias Roque Island Lecture, March 28th, 2019.

The Hudson River as Life Force. Presentation and panel discussion in conjunction with exhibition by Maya Lin: A River is a Drawing. Hudson River Museum, NY. November 18th, 2018.

Restoring the Once Great Fish Migrations of Atlantic Rivers. Annual Sigma Psi Lecture. Lehman College, NY. May 10th, 2018.

Restoring the Once-Great Fish Migrations of the Susquehanna and Other Atlantic Rivers. Annual Kirkland/Spizuoco Lecture, Shippensburg University, PA. April 25th, 2018.

Toward Reconciling Energy Production and Diadromous Fish Migrations on Atlantic Rivers. Plenary Address. New York Chapter American Fisheries Society, Cooperstown, NY, Feb 8th, 2018

Restoring Atlantic Diadromous Fishes: Why it Comes Down to Dams (and Why More Dams Should Come Down). Keynote Address, June 21st. Fish Passage 2016 - International Conference on River Connectivity. UMASS – Amherst.

Running Silver: Restoring Atlantic Rivers and Their Great Fish Migrations. Keynote Address. Maine Rivers Conference on the Kennebec, Waterville, ME. May 10th, 2014.

Diadromous Fishes in Decline: Can We Make Our Rivers Run Silver Again? Keynote Address. Northeast Fish & Wildlife Conference, Newport, RI. April 20th, 2014.

Heartbeats in the Muck: The History, Sea Life, and Environment of New York Harbor. Keynote Address. New York State Outdoor Education Association Annual Conference, Albany, NY. October 25, 2013.

New York Harbor: Four Centuries between Eagles. Keynote Address. Hooked on Our Waters, CUNY Graduate Center, Hudson River Fish Advisory Outreach Project and NY-NJ Harbor & Estuary Program. October 19, 2013.

The Broad Arc of History on a Linear River. Keynote Lecture. Atlantic Estuarine Research Society, Williamsburg, VA. April 12, 2013.

Restoring an Ancient Fish in a Modern World. Plenary Speaker, Collaboration Through Fisheries Networks: Restoration of Sturgeon and Paddlefish Populations American Fisheries Society Annual Meeting, St. Paul, MN. August 21st, 2012.

Commencement Address, Environmental Studies Program, The New School. May 23, 2003.

SELECTED PRESENTATIONS, INTERVIEWS, PODCASTS & MEDIA COVERAGE AVAILABLE IN PRINT OR ONLINE

Ruminations on Fish. Missouri Catfishing. Podcast. August 2023.

All About That (Striped) Bass, New York's Most Beloved and Politicized Fish. Hell Gate, June 7th, 2023.

American Shad. Fish of the Week. U.S. National Marine Fisheries Service. May 16, 2022.

Invasive Goldfish. CUNY TV. November 3rd, 2021.

https://www.youtube.com/watch?v=_gEtqek-7dY

Environmental DNA Assessment of Biodiversity, Abundance & Phenology of Hudson Estuary Fishes. Hudson River Foundation Seminar. (with S. Chin and E. Alter). May 20th, 2020.

<https://vimeo.com/422816085>

Restoring East Coast Rivers, with John Waldman. Science Appliance. May 17, 2019.

Fish Migration in Maine, with Dr. John Waldman. Wells Preserve. May 5th, 2018.

<https://www.youtube.com/watch?v=iTY0Dkislk>

On Waldman's Pond. Chapter in *The Eye of the Sandpiper: Stories from the Living World*. Comstock Publishing Associates. 2017.

Hudson Undammed. Film, Hudson Riverkeeper. 2017.

Great White Sharks Return to New York Harbor, Inside Hook, July 25th, 2017.

Interview: Q & A with John Waldman. Fisheries 41. 2016.

Running Silver: Restoring Atlantic Rivers and Their Great Fish Migrations. Cary Institute. April 21st, 2016. <https://vimeo.com/163711377>

John Waldman: Bringing the Bronx River Back to Life. February 25th, 2015. CUNY TV.

<https://www.youtube.com/watch?v=DfeIr0Z6sJE>

The Social and the Ecological. Q&A. Fountain Ink: January 2, 2015.

The Running Silver Project. Rockefeller Bellagio Center. 8 December 2012.

<https://www.youtube.com/watch?v=nybXkD61tsw>

Any River Will Do for One Spawning Fish. New York Times. September 8, 2008.

Additional live interviews with Gail Collins of New York Times TV, Geraldo Rivera of WABC Radio, and two with Brian Lehrer of WNYC Radio.

ENVIRONMENTALIST OBITUARIES

Robert H. Boyle. 2017. *Fisheries* 42(8):445-445.

C. Lavett Smith. 2015. *Fisheries* 40(7):332-332.

CONFERENCES CONVENED

Quintessential Queens: Celebrating America's Fourth Largest City. Queens College, 2013 (convenor).

Turning the Tide: New York's Waterfront in Transition. Roosevelt House, Hunter College, New York, February 24, March 17, April 7, April 28, 2010. (co-convenor and moderator).

Why Nature Matters to New Yorkers. Queens College, 2005 (convenor).

Shads 2001. National Aquarium, Baltimore, 2001. (co-convenor).

International Conference on Sturgeon Biodiversity and Conservation. American Museum of Natural History, 1997 (co-convenor).

REVIEWER

Journals and Book Publishers

Aquatic Living Resources, Aquatic Sciences, Archiv Für Hydrobiologie, Archives of Natural History, Belgian Journal of Zoology, Biological Conservation, BioMed Central – Evolutionary Biology, Conservation Biology, Conservation Genetics, Copeia, Current Opinion in Environmental Sustainability, Diversity and Distributions, Ecological Applications, Ecology & Society, Environmental Biotechnology, Fisheries Research, Fishery Bulletin, Great Lakes Research, Hudson River Environmental Society Special Publications, Hydrobiologia, International Union for the Conservation of Nature, Journal of Applied Ichthyology, Johns Hopkins University Press, Journal of Aquatic System Stress and Recovery, Journal of Biomedicine and Biotechnology, Journal of Extreme Events, Journal of Northwest Atlantic Fishery Science, Journal of Zoology, Land Degradation & Development, Marine Biodiversity, Marine Biology, Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science, Journal of Fish Biology, Marine Ecology – Progress Series, Molecular Biology, NOAA Technical

Memorandum NMFS Series, North American Journal of Fisheries Management, Northeastern Naturalist, Proceedings-Boletín. Instituto Español de Oceanografía, Reviews in Fish Biology and Fisheries, Rutgers University Press, Science Advances, Transactions of the American Fisheries Society

Funding Organizations

City University of New York (CUNY) Professional Staff Congress Awards, CUNY PEER Grants, EPA New York-New Jersey Harbor Estuary Program, Delaware Estuary Program, Large Pelagics Research Program – University of New Hampshire, New York Sea Grant/Hudson River National Estuarine Research Reserve Cooperative Fellowships, Maine Agricultural and Forest Experiment Station, Maine Sea Grant, Mexico - U.S. Foundation for Science, Mississippi-Alabama Sea Grant Consortium, National Biological Survey, National Fish & Wildlife Foundation, New York, New Jersey, Connecticut, Maryland, and Hawaii Sea Grant programs, Massachusetts Institute of Technology Sea Grant Program, NMFS Saltonall-Kennedy Fishery Development Program, NMFS Special RFP Bluefish Stock Dynamics, NSF CAMEO, NOAA Marine and Estuarine Management Division, North Carolina Sea Grant Fishery Resource Grant Program, USGS Species at Risk Program, UMASS/NOAA CMER Program, USGS Biological Resources Division State Partnership Program, Virginia Cooperative Marine Education & Research Program, Great Lakes Fishery Commission, California Bay-Delta Ecosystem Restoration Program, Wildlife Conservation Society - Research Fellowship Program, Great Lakes Fishery Trust

BOARD APPOINTMENTS

Interdisciplinary Laboratory for Art, Nature, and Dance – 2006-2011

The River Project – 2005-2011

New York Nature Network – 2005-2006

SCIENTIFIC COMMITTEE SERVICE

Hudson Estuary Program Science Committee, 2001-present.

Hutchinson River Watershed Plan Steering Committee, 2022-present.

Advisory Committee, Kinneytown Dam Coalition, 2019-present.

Hudson River Estuary Management Advisory Committee, Chair Fisheries Subcommittee, 2009-2012.

Alosine Species Team, Ecosystem-Based Fishery Management in Chesapeake Bay, 2009.

Society for Biological Conservation, Steering Committee, 2009.

Annual Meeting Hudson River Estuary Teacher Education Program, Wallerstein Collaborative for Urban Environmental Education, NYU – Advisory Committee 2004-2005.

New York City Economic Development Commission – Technical Advisory Committee 2004.

Hudson River Tributaries Fish Passage Task Force, 2002-2004.

Chesapeake Bay Monitoring Program Review Panel, 2000.

International Council for the Exploration of the Sea, Co-chair, Stock Identification Methods Working Group, 1999-2007.

Connecticut Sea Grant Proposal Review Panel 1999 & 2001 & 2003.

Maryland Sea Grant Proposal Review Panel 1999 & 2001.

National Marine Fisheries Service, Special RFP Bluefish Stock Dynamics Review Panel 1998-2004.

Atlantic States Marine Fisheries Commission, Citizens Advisory Committee, Atlantic Sturgeon Management Board, 1996-1998.

Coalition to Save Hempstead Harbor, Technical Advisory Board, 1995-present.

Technical Advisor, Shortnose Sturgeon Recovery Team, 1994-1998.

IUCN Species Survival Commission, Sturgeon Specialist Group 1994-present.

Army Corps of Engineers Hudson River Estuary Habitat Restoration Project Technical Advisory Committee, 1994-1996.

Atlantic States Marine Fisheries Commission, Atlantic Sturgeon Aquaculture and Stocking Committee, 1993-2005.

EPA New York Bight Restoration Program Habitat Committee, 1989-1996.

EPA New York-New Jersey Harbor Estuary Program Scientific and Technical Committee, 1988-1996.

Hudson River National Estuarine Reserve Research Advisory Committee, 1988-1992.

COURSES TAUGHT

Graduate Seminars in Marine Conservation Biology, Historical Ecology, and Urban Conservation Biology; General Ecology; Writing in the Natural Sciences; Macaulay Honors College Seminar 4 on Resilience and Decision Making in New York City; The Nature of New York; The Hudson River from Source to Sink; Introductory Biology; Biology Colloquium

GRADUATE STUDENTS ADVISED (RESEARCH THESES ONLY)

- Kayleigh Kearnan, 2023. Causes of Shutdowns of Fish Lifts on U.S. East Coast Hydroelectric Dams. Queens College. M.A.
- Samantha Kilada. 2019. A Quantitative Look at Water Quality and its Effects on Biodiversity in Three Urban Rivers of Lower New York State. Queens College. M.A.
- George Jackman. 2015. The Ecology of Winter Flounder from an Otolith Perspective. City University of New York. Ph.D.
- Susan Stanley. 2012. Vernal Pools in an Urban Landscape in New York City. Queens College. M.A.
- Jonelle Orridge. 2011. Genetic, Morphological and Ecological Relationships Among Populations of the Clam Shrimp, *Caenestheriella gynecia*. City University of New York. Ph.D.
- Tiffany Medley Johnson, 2010. Wild Oysters *Crassostrea virginica*, in the Hudson River Estuary: Growth, Health, and Population Structure. City University of New York. Ph.D.
- Michael Bednarski. 2007. Winter Movements of Striped Bass in the Thames River, Connecticut. Queens College. M.A.
- Kimberly Williams. 2002. Aspects of the Biology of Striped Bass Overwintering in the Discharge of the LILCO Power Station, Northport, New York. State University of New York at Stony Brook. M.S.
- Christopher N. McCormick. 1999. Fluctuating Asymmetry as an Indicator of Sublethal Stress in the Atlantic Tomcod (*Microgadus tomcod*). Long Island University. M.S.
- Helena Andreyko. 1998. Genetic vs. Environmental Effects on Meristic and Morphometric Variation in Hatchery Raised Striped Bass. The City College of The City University of New York. M.S.

OTHER WRITINGS

2018

Poem: Well-Seasoned. *Chronogram*, August 2018.

2014

Climate Change: A Cool-Eyed Look at Fishing in Our Warming Waters. *The Fisherman Magazine*, March 49:4-7.

2011

Ice Fishing: Almost Lost. *Our Town*. #23 Winter 2011, p. 8.

2007

Trying to Solve Mysteries of Striped Bass in Winter. *The New York Times*, Outdoors Column. April 7, 2007.

2006

Book Reviews: Big Bass and Chicken Soup. *ESPN Outdoors*. October 5th.

Book Reviews: Basic Survival, Wicked Hooks, Big Racks. *ESPN Outdoors*. December 26th.

2005

Friendship Born in Iran by Pursuit of Sturgeon. *The New York Times*, Outdoors Column. July 3rd.

2004

A Trip to Old Florida, for Tarpon and More. *The New York Times*, Outdoors Column. February 1st.

Fishing (Introduction). *Going Coastal New York City: A Guide to the Waterfront*. (B. LaRocco). Going Coastal, Inc., U.S. p. 172.

2003

Butterflyfish and other Tropical Fish Visitors. *The Tidal Exchange*. Summer: 8.

Blitzes are the Great Hatches of the Sea. *The New York Times*, Outdoors Column. November 23rd.

2001

Blood, Gore, and Good Fishing. *The New York Times*, Outdoors Column. June 10th.

The Lofty Mystery of Why Sturgeon Leap. *The New York Times*, Outdoors Column. October 21st.

2000

In Defense of Fishing Winter's Frozen Ponds. *The New York Times*, Outdoors Column. February 26th.

1999

There's a Striped Bass Invasion off Manhattan. *The New York Times*, Outdoors Column. May 23rd.

A Penobscot Quadruplet . . . Almost. *Fly Fish America*, June: 20-25, 33.

1998

Panfish, Ice, and a Jig Rod: Winter's Consolation Prize. *Nor'east Saltwater*, January issue.

1997

Angling in Nova Scotia. *Nor'east Saltwater*, March issue.

In Ukraine, Exploring the Riches of the Dnieper. *The New York Times*, Outdoors Column. October 5th.

Lures and Lore and Stacking the Deck in Winter. (Sidebars to They're Hooked, a feature article on surfcasting during autumn at Montauk.) *Newsday*. November 2nd.

1996

Snorklers are Naturally Drawn to Artificial Reefs. *The New York Times*, Outdoors Column. April 5th.

Salmon and Sea Trout in Reykjavik's Suburbs. *The New York Times*, Outdoors Column. October 23rd.

Still Needed: A Cross-Island Bridge. *The New York Times*, Long Island Opinion Column. December 29th.

1995

History of Atlantic Salmon Runs Deep in New England. *The New York Times*, Outdoors Column. February 22nd.

1994

Seeking Autumn Stripers under Winter Conditions. *The New York Times*, Outdoors Column. January 2nd.

Search is on for Urban Tarpon. *The New York Times*, Outdoors Column. May 7th.

Striped Bass Crescendo in Long Island Sound. *The New York Times*, Outdoors Column.

December 28th.

1993

Trolling Turkey Bones for Summer Stripers in the Sound. *The New York Times*, Outdoors Column. August 29th.

1991

A Colorful Addition to Florida Canals. *The New York Times*, Outdoors Column. March 11th.

1989

Earning Stripes with Bass. *The New York Times*, Outdoors Column. May 28th.

Near a Hudson Dam, Fish Cooperate. *The New York Times*, Outdoors Column. July 9th.

Catches of the Day: Some Curiosities. *The New York Times*, Outdoors Column. September 17th.

Update on Hudson River Striped Bass Tagging Program. *The Fisherman* 24(47):18-21.

1988

Hudson River Striped Bass Tagging Program. *The Fisherman* 23(8):34-36

Fishing for Bass in Unusual Habitat. *The New York Times*, Outdoors column. April 17th.

Summer School Stripers. *The Fisherman* 23(25):40-41.

Undersea Census. *Seven Days* 1(15):6.

Finding Unusual Fish in Exotic Settings. *The New York Times*, Outdoors column. September 11th.

1986

Hudson River Striped Bass Tagging Program Results. *The Fisherman* 21(4):20-21.

Starting the Striper Season. *The New York Times*, Outdoors Column. April 14th.

1985

Luring Salmon to the Island's Waters. *The New York Times*, Long Island Section. November 24th.

1984

Winter White Perch in Long Island Streams. *The New York Times*, Outdoors Column. March 5th.

Double Fun between the Forks. *The Fisherman* 19(20):28-29.

A Cool Descent into the Intriguing Croton. *The New York Times, Outdoors Column*.
June 25th.

1983

Bucktailing the Big Apple. *The Fisherman* 18(13):16-19.

A Little Montauk Diversion. *The Fisherman* 18(19):20-21.

Bass Fishing in Hell Gate. *The New York Times, Outdoors Column*. December 5th.