CURRICULUM VITAE

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Education

Ph.D., University of South Carolina, Biology	1990
M.S., University of South Carolina, Biology	1985
B.A., Macalester College, Biology and Environmental Studies *magna cum laude*	1983

Professional Background

Visiting Research Professor, Univ. Tokyo Atmosphere and Ocean Research Institute	2023-2024
Univ. System of Maryland Regents Professor, Chesapeake Biological Laboratory	2010-
Professor, Chesapeake Biological Laboratory	2004-
Associate Professor, Chesapeake Biological Laboratory	2000-2004
Assistant Professor, Chesapeake Biological Laboratory	1994-2000
Assistant Research Scientist, Chesapeake Biological Laboratory	1991-1994

Awards and Special Recognition

Keynote Speaker, Am. Fish. Soc. Tidewater Chapter Meeting, Solomons, MD	2026
Plenary Speaker, 1st Asian International Eel Symposium, Amami, Japan	2025
The Oscar E. Sette Award for Outstanding Marine Fishery Biologist, Am. Fisheries Society	2023
Tidewater Conservation Award, Tidewater Chapter, American Fisheries Society	2023
Best Paper Award, American Fisheries Society (Bangley et al. 2020)	2021
Plenary Speaker, Atlantic Salmon Ecosystems Forum, Quebec City	2019
Plenary Speaker, Ocean Global Change Biology Gordon Research Conf, New Hampshire	2016
Keynote Speaker, Int'l Council for the Exploration of the Seas Conference, Copenhagen	2015
Meritorious Service Award, Tidewater Chapter, American Fisheries Society	2013
Best Published Thesis Research Article, American Inst. of Fishery Research Biologists AIFRB (Kerr et al. 2010)	2012
Best Sci. Paper Award, Japanese Society Fisheries Science (Ariyama and Secor 2010)	2011
University of Maryland System Regents Faculty Award for Scholarship and Research	2010
Lifetime Achievement Award in Otolith Research and Application (2nd recipient)	2009
Plenary Speaker, International Otolith Symposium, Monterey, California	2009

Keynote Speaker, International Atlantic Herring Symposium, Galway Ireland	2008
Keynote Speaker, International Symposium on Diadromous Fishes, Halifax Canada	2007
Best Published Thesis Research Article (Niklitschek and Secor 2005), AIFRB	2007
Best Published Thesis Research Article (Kraus and Secor 2004), AIFRB	2006
Plenary Speaker, Man and the Ocean, University of Tokyo, Japan	2006
Plenary Speaker, International Flatfish Symposium, Maizuru, Japan	2005
Excellence in Fisheries Education Award, Tidewater Chapter, Am. Fish. Society	2004
Special Recognition, NOAA Ches. Bay Office for work on Fisheries Ecosystem Plan	2004
Foreign Specialist Research Award. National Institute of Fisheries Science, Japan	1996
Electric Power Research Institute Ph.D. Fellow, University of South Carolina	1988
Japanese Ministry of Education Research Fellowship, Faculty of Fisheries, Kagoshima Univ.	1986
Scholarship from the Japan Foundation, University of South Carolina (to study Japanese)	1985
Phi Beta Kappa; Academic Awards in Biology and Environmental Studies; Macalester College	1983

Synergistic Activities

Chesapeake Bay Program Water and Delaware Bay Basin Dissolved Oxygen Thresholds: Member of working group to develop Chesapeake Bay Program water quality criteria for living resources. Erected dissolved threshold levels for living resources and for different ecosystem components of the Chesapeake Bay, integrating recent lab-generated data for sturgeon. Oversaw statistical tests of space and time exceedance levels, and drafted major sections of the guidance document, Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll a for the Chesapeake Bay and its Tributaries (US EPA 903-R-002), whose thresholds continue to be implemented through Total Maximum Daily Load limits. Consulted and supplied sturgeon data to EPA to erect 2024 dissolved oxygen thresholds for the Delaware Bay.

Informed EPA's Decision to Require Dredging of Legacy PCBs in the Hudson River: Conducted otolith chemistry applications that showed that some striped bass exhibited year-round residency in the upper Hudson River causing constant PCB exposure. Previously models assumed that striped bass all migrated to ocean waters and depurated PCBs. Research presented to environmental engineers caused them to include resident behaviors in models and predictions of future striped bass PCB levels. This work also informed NY State Department of Environmental Conservation health advisories to Hudson River anglers.

Integration of Otolith Chemistry into Atlantic Bluefin Tuna Stock Assessment: In 1997, initiated a long-term study to develop a method and classification baseline to discriminate stocks of Atlantic bluefin tuna. Trained US and international scientists and provided baseline data, which resulted in large-scale otolith sampling and analysis (N>>1000) throughout the North Atlantic Ocean, Gulf of Mexico and Mediterranean Sea. Recruited stock assessment scientists to develop simulation models and demonstrate how population connectivity affected assessments. Concurrently (2000-2016), participated as an advisor and US Delegate to the International Commission for the Conservation of Atlantic Tunas, improving demographic analyses, promoting collaborations and advancing new science and models related to stock mixing and stock assessment.

Integration of Otolith Chemistry into Atlantic Mackerel Stock Assessment: Developed long-term otolith stable isotope baseline for Atlantic mackerel "contingents" originating in Canadian or US waters and applied these to samples of fished aggregations (Redding et al. 2020; Arai et al. 2021, 2023). NMFS stock assessment was altered to restrict analyses of US trawl survey data to ages where contingent mixing was low.

Climate Commission, Maryland: Member of the Science and Technical Working Group, charged to undertake the first comprehensive assessment of the impacts of climate change in Maryland. Led sections on coastal living resource impacts and assembled the Chesapeake Bay's longest time series of increasing water temperatures monitored since 1938 at the Chesapeake Biological Laboratory. The report, Boesch, D.F. (editor). 2008. *Global Warming and the Free State:Comprehensive Assessment of Climate Change Impacts in Maryland* was submitted to the Governor and General Assembly pursuant to Executive Order 01.10.2007.07.

Protected Species Conservation: Led a Maryland state team, who successfully petitioned to have the Nanticoke River estuary (Chesapeake Bay) designated by NOAA as critical habitat for Atlantic sturgeon (2017 Federal Registry). In 2022, personally advanced science causing the suspension of a planned 15,000 metric ton salmon aquaculture plant, which would discharge directly into these habitats, doing so through hosted workshops for regulators, public testimony, media interviews, and authored newspaper commentaries.

Fishery Conservation, Advisory: Long term (≥10 years) appointments on international and national fishery advisory committees. Participation in benchmark assessments for Atlantic bluefin tuna, Atlantic mackerel, American eel, and Atlantic sturgeon.

Offshore Wind Impacts Study Design: Promotion of adaptive design elements in offshore ecological impact studies through expert panels, advisory boards, publications, and implementation. Inclusion adaptive monitoring, Before-After-Gradient designs, and effect size (power analysis) elements in drafted material in the Responsible Offshore Science Alliance "Offshore Wind Project Monitoring Framework and Guidelines." Implemented design elements as part of long-term monitoring projects (Rothermel et al. 2020; Tailwinds.umces.edu).

Dynamic Ocean Management: Oversee surveillance program for endangered North Atlantic right whale and other baleen species. Cooperating with Woods Hole Oceanographic Institute, a near real-time whale buoy sited in the southern Mid-Atlantic Bight transmits bioacoustics data to a team of analysts, who audit calls twice daily and alert federal partners for the presence of baleen whales. A federal Slow Zone mariners' alert is posted when North Atlantic right whales are present.

Data Sharing, Biotelemetry: Since 2014, the Secor laboratory has delivered >3 million biotelemetry records to 150 investigators on 60 different species. These records of location and time from our deployed receivers were provided promptly and freely without obligation. His group curates 15 databases through the online portal MATOS and on the UMCES-CBL data-servers Saxatilis and Delphinus. A database management R script was developed to ease data distribution and depict array detections, shared with the coastal telemetry community.

Research

A. Areas of Professional Expertise

Population ecology of marine and estuarine fishes, migration and life cycles, fisheries science and management, offshore wind energy impact assessment

B. Contracts and Grants

Current contacts and grants listed. Since 2010, $M 20.7; sources include industry, state (MD DNR), National Oceanic and Atmospheric Administration (NOAA), Defense Advanced Research Projects Agency, Bureau of Ocean Energy Management, National Science Foundation (NSF), Hudson River Foundation, Pew, Atlantic States Marine Fisheries Commission, Responsible Ocean Alliance, and Canada Fish and Oceans.

UMCES Monitoring Program for US Wind Lease Area OCS-A 0490 (aka "TailWinds"). Project PI and Manager. US Wind, Inc. 2022-2031. $10,901,312.

Year 4-6: Offshore near real-time whale detection buoy monitoring in the Maryland Lease Area. Maryland Department of Natural Resources, Maryland Energy Administration, NOAA, and US Wind, Inc. PI. 2024-2027. $1,024,960.

Mid-Atlantic MBON: Dynamic Biodiversity and Telemetry Data for a Changing Coast. NOAA. Co-PI M. Ogburn (PI), H. Bailey, A. Carlisle, K. Knee, C. Meyer, H. Roarty, P. Theilen. 2024-2028. $363,000 (UMCES portion).

Flyway Assessment of Offshore Wind Farm Impacts on Migratory Fishes. 2025-2027. Responsible Offshore Alliance, P.I. with M.O'Brien, A. Carlisle, B. Wetherbee, D. Fox, and M. Breece. $202,372.

Increasing the utility of acoustic telemetry data to inform decision making and assessments at the project and regional scale. 2025-2027. Responsible Offshore Alliance, Co-P.I. with M.E. Bowers (PI), M. Ogburn, and M.O'Brien. $40,175 (UMCES portion).

Molecular assessment of a stressed Atlantic sturgeon nursery habitat: The Nanticoke River-Marshyhope Creek, Chesapeake Bay. PI. With C. Stence, L. Plough, and I. Park. NOAA Protected Resources. 2022-2026. $716,199.

Collaborative Research Travel: International Council for the Exploration of the Sea: Travel Support for Academic Participants, 2025-2027. NSF (Cooperative with Woods Hole Oceanographic Institute). $84,313.

C. Journal Publications

Google Scholar Profile: n=189 (listed below since 2010), h-index=71; *Students* https://scholar.google.com/citations?user=5G4_EvwAAAAJ&hl=en&oi=sra.

Sturrock, AM, SE Tanner, S Arnaud-Haond, J Aguzzi, FR Barboza, M Beger, A Blanco, D Brophy, M Carreton, A-R Childs, F Costantini, OE Gaggiotti, BM Gillanders, JM González-Irusta, K Guizien, K., T Guy-Haim, S Haase, E Hunter, J Kotta, G Lacroix, RÇ Öztürk, A Pérez-Ruzafa, P Reis-Santos, C Riginos, G Rilov, B Rinkevich, G Rotllant, DH Secor, S Smoliński, CN Trueman, B Walther, AM Darnaude. 2026. Methods to estimate marine functional connectivity: A primer. Ecological Applications 36(4): e70273, https://doi.org/10.1002/eap.70273.

Secor, DH, MHP O'Brien, H. Bailey. 2025. The flyway construct and assessment of offshore wind farm impacts on migratory marine fauna. *ICES Journal of Marine Science* 82(3). https://doi.org/10.1093/icesjms/fsae138

Rothermel, ER, MHP O'Brien, JE Best, DA Fox, BI Gahagan, AL Higgs, IA Park, G Wippelhauser, DH Secor. 2025. An Eulerian perspective on habitat models of striped bass occurrence in an offshore wind development area. *ICES J Marine Science* 82:https://doi.org/10.1093/icesjms/fsad212

Arai, K., J. Best, V. Lyubchich, N. Miller, D.H. Secor. 2025. Lifetime carryover of early partial migration behaviors in an estuarine-dependent fish under climate change. *Canadian Journal of Fisheries and Aquatic Sciences.* https://doi.org/10.1139/cjfas-2024-0217

Arai, K. J.E. Best, C.A. Craig, V. Lyubchich, N.R. Miller, and D.H. Secor. 2024. Early growth and environmental conditions control partial migration of an estuarine-dependent fish. *Marine Ecology Progress Series* 732:149-166.

Coleman, N., D. Fox, A. Horne, N. Hostetter, J. Madsen, M. O Brien, I. Park, C. Stence, D. Secor. 2024. Spawning run estimates and phenology for an extremely small population of Atlantic sturgeon in the Marshyhope Creek-Nanticoke River system, Chesapeake Bay. *Marine and Coastal Fisheries.* DOI:10.1002/mcf2.10292

Frey, B., V. Lyubchich, M. Zapp Suis, N. Miller, and D. Secor. 2023. Examining the periodicity of annular deposition of otolith microconstituents as a means of age validation. *Fishery Bulletin* 121:188-198.

Arai, K., M. Castonguay, V. Lyubchich, D.H. Secor. 2023. Integrating machine learning with otolith isoscapes: reconstructing connectivity of a marine fish over four decades. *PloS ONE* 18(5), e0285702.

Barbour, N., A.J. Robillard, G.L. Shillinger, V. Lyubchich, D.H. Secor, W.F. Fagan, and H. Bailey. 2023. Clustering and classification of vertical movement profiles for ecological inference of behavior. *Ecospheres* 14 (1), 24384.

Orsten, P, D. Ralston, B. Christiaan Prooijen, D. Secor, N. Ganju, Z. Chen, S. Fernald, B. Brooks, K. Marcell. 2023. Increased utilization of storm surge barriers: A research agenda on estuary impacts. *Earth's Future* 11 (3), e2022EF002991.

Secor, D.H., M.H.P. O'Brien, N. Coleman, A. Horne, I. Park, D. Kazyak, D. Bruce, and C. Stence. 2022. Atlantic sturgeon status in an extremely small spawning habitat: the Nanticoke-Marshyhope Creek Estuary, Chesapeake Bay. *Reviews in Fisheries Science and Aquaculture* 30:195-214.

Aquino, G.A.G., P.C. Cabaitan, and D.H. Secor. 2021. Locomotor activity and growth response of glass eel *Anguilla marmorata* (Anguilliformes:Anguillidae) exposed to different salinity levels. *Fisheries Science* 87:253-262.

Arai, K., M. Castonguay, and D. Secor. 2021. Decadal trends in stock mixing of Northwest Atlantic mackerel evidenced from otolith oxygen and carbon stable isotopes. *Scientific Reports* 11:6667. https://doi.org/10.1038/s41598-021-86116-2

Itakura, H., M.H.P.O'Brien, and D.H. Secor. 2021. Tracking habitat compressions encountered by Chesapeake Bay striped bass through biotelemetry. *ICES Journal of Marine Science* 78(3):1049-1062. doi:10.1093/icesjms/fsab009

O'Brien, M.H.P. and D.H. Secor. 2021. Influence of thermal stratification and storms on acoustic telemetry detection efficiency:a year-long test in the US Southern Mid-Atlantic Bight. *Animal Biotelemetry* 9(8). https://doi.org/10.1186/s40317-021-00233-3

Secor, D.H., H. Bailey, A. Carroll, V. Lyubchich, M.H.P. O'Brien and *C.J. Wiernicki*. 2021. Diurnal vertical movements in black sea bass (*Centropristis striata*): Endogenous, facultative, or something else? *Ecosphere* 12(6):e03616.10.1002/ecs2.3616.

White, S.L. R. Johnson, B.A. Lubinski, M.S. Eackles, D.H. Secor, and D.C. Kazyak. 2021. Stock composition of the historical New York Bight Atlantic sturgeon fishery revealed through microsatellite analysis of archived spines. *Marine and Coastal Fisheries* 13:701-708.

Arai, K, J.E. Graves, and D.H. Secor. 2020. Sub-annual cohort representation among young-of-the-year recruits of the western stock of Atlantic bluefin tuna. *Fisheries Research* 225 (2020) 105476.

Bangley, C.W., T.H. Curtis, D.H. Secor, M.B. Ogburn. 2020. Search for important habitat for juvenile dusky sharks (*Carcharhinus obscurus*) in the Northwest Atlantic Ocean using acoustic telemetry and spatial modeling. *Marine and Coastal Fisheries* 12:348-363.

Fandel, A.D., A. Garrod, *A.L. Hoover*, J.E. Wingfield, V. Lyubchich, D.H. Secor, K.B. Hodge, A.N. Rice, And H. Bailey. 2020. Effects of intense storm events on dolphin occurrence and foraging behavior. *Scientific Reports* 10:19247.

Hutchison, Z.L., D.H. Secor, and A.B Gill. 2020. The interaction between resource species and electromagnetic fields associated with electricity production by offshore wind farms. *Oceanography* 33(4):96-107.

Kerr, LA, ZT Whitener, SX Cadrin, *MR Morse*, DH Secor, and W Golet. 2020. Mixed stock origin of Atlantic bluefin tuna in the U.S. rod and reel fishery (Gulf of Maine) and implications for fisheries management. Fisheries Research 224:https://doi.org/10.1016/j.fishres.2019.105461.

Markin, E.L. and D.H. Secor. 2020. Growth of juvenile Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*) in response to dual-season spawning and latitudinal thermal regimes. *Fishery Bulletin* 118:74-86.

Redding, S.G., L.W. Cooper, M. Castonguay, *C. Wiernicki*, and D.H. Secor. 2020. Northwest Atlantic mackerel population structure evaluated using otolith ^{18}O composition. *ICES Journal of Marine Science* 77(7-8):2582-2589.

Rothermel, E.R., M.T. Balazik, J.E. Best, D.A. Fox, B.I. Gahagan, D.E. Haulsee, A.L. Higgs, M.H.P. O Brien, M.J. Oliver, I.A. Park, and D.H. Secor. 2020. Comparative migration ecology of striped bass and Atlantic sturgeon in the US Southern Mid-Atlantic Bight flyway. *PloS ONE* 15(6):e0234442.

Secor, D.H. M.H.P O Brien, B.J. Gahagan, J.C Watterson, and D. Fox. 2020. Differential migration in Chesapeake Bay striped bass. *PloS ONE* 15:e0233103.

Secor, D.H. M.H.P. O Brien, B.I. Gaghagan, D. Fox, A. Higgs, and J. Best. 2020. Multiple spawning run contingents and population consequences in migratory striped bass *Morone saxatilis*. *PloS ONE* 15(11):e0242797.

Wiernicki, CJ, D Liang, H Bailey, and DH Secor. 2020. The effect of swim bladder presence and morphology on sound frequency detection for fishes. *Reviews in Fisheries Science and Aquaculture* 28:459-477. https://doi.org/10.1080/23308249.2020.1762536

Wiernicki, C. M.O. Brien, F. Zhang, V. Lyubchich, M. Li and D. Secor. 2020. The recurring role of storm disturbance on black sea bass (*Centropristis striata*) movement behaviors in the Mid-Atlantic Bight. *PLoS ONE* 15(12):e0239919.

Dunn, D.C. and 70 co-authors. 2019. The importance of migratory connectivity for global ocean policy. *Proceedings of the Royal Society B* 286. http://dx.doi.org/10.1098/rspb.2019.1472

Lennox RJ and 29 co-authors. 2019. One hundred pressing questions on the future of global fish migration science, conservation, and policy. *Frontiers in Ecology and Evolution* https://doi.org/10.3389/fevo.2019.00286.

Rooker, J.R., M.A. Dance, R.J.D. Wells, M.J. Ajemian, B.A. Block, M.R. Castleton, J.M. Drymon, B.J. Falterman, J.S. Franks, N. Hammerschlag, J.M. Hendon, E.R. Hoffmayer, R.T. Kraus, J.A.

McKinney, D.H. Secor, G.W. Stunz, J.F. Walter. 2019. Population connectivity of pelagic megafauna in the Cuba-Mexico-United States Triangle. *Scientific Reports* 9:1663.

Secor, D.H., F. Zhang, M. O'Brien, and M. Li. 2019. Ocean destratification and fish evacuation caused by a Mid-Atlantic Tropical Storm. *ICES Journal of Marine Science* 76:573-584.

Itakura, H., K. Arai, K. Kaifu, K. Shirai, A. Yoneta, Y. Miyake, D.H. Secor, and S. Kimura. 2018. Distribution of wild and stocked Japanese eels in the lower reaches of the Tone River catchment revealed by otolith stable isotope ratios. *Journal of Fish Biology* 93:805-813.

Gallagher, B. P. Piccoli, and D. Secor. 2018. Ecological carryover effects associated with partial migration in white perch (*Morone americana*) within the Hudson River Estuary. *Estuarine, Coastal and Shelf Science* 200:277-288.

Gallagher, B. and D. Secor. 2018. Intensified environmental and density-dependent regulation of white perch recruitment after an ecosystem shift in the Hudson River Estuary. *Canadian Journal of Fisheries and Aquatic Sciences* 75:36-46.

Ailloud, L.E., M.V. Lauretta, J.M. Hoenig, A.R. Hanke, W.J. Golet, R.J. Allman, M.R. Siskey, and D.H. Secor. 2017. Improving growth estimates for western Atlantic bluefin tuna using the AMSFc approach. Fisheries Research 191:17-24.

Atkinson, A. and D. Secor. 2017. Influence of winter conditions on the age, hatch dates, and growth of juvenile Atlantic menhaden in the Choptank River, Maryland. *Transactions of the American Fisheries Society* 146:1126-1136.

Kerr, L.A., S.X. Cadrin, D.H. Secor, and N.G. Taylor. 2017. Modeling the implications of stock mixing and life history uncertainty of Atlantic bluefin tuna. *Canadian Journal of Fisheries and Aquatic Sciences* 74:1990-2004.

Secor, D.H., E.D. Houde, and L.L. Kellogg. 2017. Estuarine retention and production of striped bass larvae: a mark recapture experiment. *ICES Journal of Marine Science* 74:1735-1748.

Wainger, L, Secor, D, Gurbisz, C, Kemp, W, Glibert, P, Houde, E, Richkus, J, and Barber, M. 2017. Resilience indicators support valuation of estuarine ecosystem restoration under climate change. *Ecosystem Health and Sustainability* 3(4):e01268. 10.1002/ehs2.1268.

Bailey, H. and D.H. Secor. 2016. Coastal evacuations by fish during extreme weather events. *Scientific Reports* 6:30280 | DOI:10.1038/srep30280.

Buchheister, A., T.J. Miller, E.D. Houde, D.H. Secor, R.J. Latour. 2016. Spatial and temporal dynamics of Atlantic menhaden (*Brevoortia tyrannus*) recruitment in the Northwest Atlantic Ocean. *ICES Journal of Marine Science* 73:1147-1159.

Dunton, K.J., A. Jordaan, D.H. Secor, C. Martinez, T. Kehler, K.A. Hattala, J. Van Eenennaam, M. Fisher, K.A. McKown, D.O. Conover, and M.G. Frisk. 2016. Age and growth of Atlantic sturgeon, *Acipenser oxyrinchus oxyrinchus*, in the New York Bight. *North American Journal of Fisheries Management* 36:62-73.

Hidalgo, M., D.H. Secor, and H.I. Browman. 2016. Observing and managing seascapes:linking synoptic oceanography, ecological processes, and geospatial modeling. *ICES Journal of Marine Science* 73:1825-1830.

Limburg, K., R. Brown, R. Johnson, B. Pine, R. Rulifson, D. Secor, T. Timchak, B. Walther, K. Wilson. 2016. Round-the-coast: Snapshots of estuarine climate change. *Fisheries* 41:392-394.

Siskey, M.R., V. Lyubchich, D. Liang, P.M. Piccoli, and D.H. Secor. 2016. Periodicity of strontium:calcium across annuli further validates otolith-ageing for Atlantic bluefin tuna (*Thunnus thynnus*). *Fisheries Research* 177:13-17.

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Gahagan, B.I., D.A. Fox, and D.H. Secor. 2015. Partial migration of striped bass: Revisiting the contingent hypothesis. *Marine Ecology Progress Series* 525:185-197.

Kraus, R.T., D.H. Secor, and R.L. Wingate. 2015. Testing the thermal-niche oxygen-squeeze hypothesis for estuarine striped bass. *Environmental Biology of Fishes* 98:2083-2092.

Secor, D.H. 2015. American Eel: When Does Diversity Matter? *Fisheries* 40:462-463.

Secor, D.H., Gahagan, B.I., *Siskey, M.*, Wingate R.A., and J.R. Rooker. 2015. Depressed resilience of bluefin tuna in the Western Atlantic and age truncation. *Conservation Biology* 29 (2):400-408.

Araya, M., E.J. Niklitschek, D.H. Secor, and P.M. Piccoli. 2014. Partial migration in introduced Chinook salmon (*Oncorhynchus tshawytscha*) of Southern Chile. *Estuarine Coastal and Shelf Science* 149:87-95.

Niklitchek, E.J., D.H. Secor, P. Toledo, X. Valenzuela, A. Zuleta, L. Cubillos. 2014. Nursery systems for Western Patagonian ground fish stocks: large inner sea or narrow continental shelf? *ICES Journal of Marine Science* 71(2):375-390.

Rooker, J.R., H. Arrizabalaga, I. Fraile, D.H. Secor, D.L. Dettman, N. Abid, P.Addis, S. Deguara, F. Saadet Karakulak, A. Kimoto, O. Sakai, D. Macías, M. Neves Santos. 2014. Crossing the line: migratory and homing behaviors of Atlantic bluefin tuna. *Marine Ecology Progress Series* 504:265-276.

Schlenger, A.J., E. North, Y. Li, K.A. Smith, and D.H. Secor. 2013. Modeling the influence of hypoxia on the potential habitat of Atlantic sturgeon (*Acipenser oxyrinchus*): a comparison of two methods. *Marine Ecology Progress Series* 483:257-272.

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Kerr, L.A. and D.H. Secor. 2012. Partial migration across populations of white perch (*Morone americana*):a flexible life history strategy adapted for persistence in a variable estuarine environment. *Estuaries and Coasts* 35:227-336.

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Williams, E.P., A.C. Peer, T.J. Miller, D.H. Secor, and A.R. Place. 2012. A phylogeny of the temperate sea basses (Moronidae) characterized by a translocation of the mt-ND6 gene. *Journal of Fish Biology* 80:110-130.

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Wuenschel, M.J., K.W. Able, J.A. Buckel, J.W. Morley, T. Lankford, A.C. Branson, D.O. Conover, D. Drisco, A. Jordaan, K. Dunton, D.H. Secor, *R.J. Woodland*, F. Juanes, and D. Stormer. 2012. Recruitment patterns and habitat use of young-of-the-year bluefish along the United States east coast:insights from coordinated coastwide sampling. *Reviews in Fisheries Science* 20:80-102.

Fenske, K.H., M.J. Wilberg, D.H. Secor, and M.C. Fabrizio. 2011. Age-structured production model for American eels (*Anguilla rostrata*) in the Potomac River, Maryland. *Canadian Journal of Fisheries and Aquatic Sciences* 68:1024-1037.

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Wingate, R.L., D.H. Secor, and R.T. Kraus. 2011. Patterns of striped bass residence and migration in a sub-estuary of the Chesapeake Bay. *Transactions of the American Fisheries Society* 140:1441-1450.

Woodland, R., M.E. Wedge, and D.H. Secor. 2011. Trophic niche of three mesopredator elasmobranchs from a nearshore marine habitat: assessing evidence of trophic interactions with sympatric teleosts. *Estuaries and Coasts* 34:391-404.

Woodland, R.J. and D.H. Secor. 2011. Differences in juvenile trophic niche for two coastal fish species that use marine and estuarine nursery habitats. *Marine Ecology Progress Series* 439:241-254.

Ariyama, H., and D.H. Secor. 2010. Effect of environmental factors, especially hypoxia and typhoons, on recruitment of gazami crab *Portunus trituberculatus* in Osaka Bay, Japan. *Fisheries Science* 76:315-324.

Fenske, K.H., D.H. Secor, and M.J. Wilberg. 2010. Demographics and parasitism of American eels in the Chesapeake Bay. *Transactions of the American Fisheries Society* 139:1699-1710.

Kerr, L.A., S.X. Cadrin, and D.H. Secor. 2010. The role of spatial dynamics in the stability, resilience, and productivity of fish populations:An evaluation based on white perch in the Chesapeake Bay. *Ecological Applications* 20:497-507.

Kaushal, S.S, G.E. Likens, N.A. Jaworski, M.L. Pace, A.M. Sides, D. Seekell, K.T. Belt, D.H. Secor, and R. Wingate. 2010. Rising stream and river temperatures in the United States. *Frontiers Ecology and Environmental Science* 8:461-466.

Kerr, L.A. and D.H. Secor. 2010. Latent effects of early life history on partial migration for an estuarine-dependent fish. *Environmental Biology of Fishes* 89:479-492.

Kerr, L.A., S.X. Cadrin, and D.H. Secor. 2010. Simulation modeling as a tool for examining the consequences of spatial structure and connectivity to local and regional population dynamics. *ICES Journal of Marine Science* 67:1631-1639.

Miller, T.J., J.Blair, T.H. Ihde, R. M. Jones, D. H. Secor, and M. J. Wilberg. 2010. FishSmart:An innovative role for science in stakeholder-centered approaches to fisheries management. *Fisheries* 35:424-433.

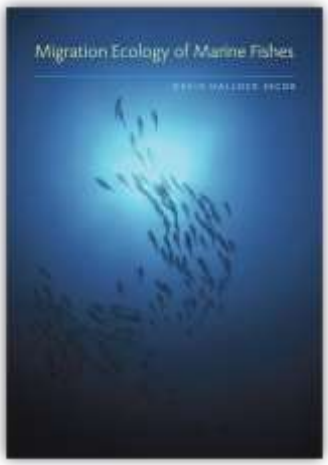
Najjar, R., C.R. Pyke, M.B. Adams, D. Breitburg, C. Hershner, M. Kemp, R. Howarth, M.R. Mulholland, M. Paolisso, D. Secor, K. Sellner, D. Wardrop, and R. Wood. 2010. Potential climate-change impacts on the Chesapeake Bay. *Estuarine, Coastal and Shelf Science* 86:1-20.

Niklitschek, E.J., D. H. Secor, A. Lafon, P. Toledo, M. George-Nascimento. 2010. Segregation of SE Pacific and SW Atlantic blue whiting stocks: evidence from complementary otolith microchemistry and parasite assemblages. *Environmental Biology of Fishes* 89:399-413.

Niklitschek, E.S. and D.H. Secor. 2010. Experimental and field evidence of behavioral habitat selection by juvenile Atlantic (*Acipenser oxyrinchus*) and shortnose (*Acipenser brevirostrum*) sturgeons. *Journal of Fish Biology* 77:1293-1308.

D. Books and Edited Volumes

Secor, D.H. 2015. Migration Ecology of Marine Fishes. Johns Hopkins University Press. 304 p.



Hidalgo, M., D.H. Secor, and H.I. Browman [eds.]. 2016. Seascape Ecology. *ICES Journal of Marine Science* 73(7).

Rooker, J.R. and D.H. Secor [eds.]. 2005. Connectivity in the Life Cycles of Fishes that Use Estuaries. *Estuaries, Coastal and Shelf Research* 64(1). 148 p.

Van Winkle, W., P.J. Anders, D.H. Secor, and D. Dixon. [eds.]. 2002. Biology, Management, and Protection of North American Sturgeon. *American Fisheries Society Symposium* 28. 258 p.

Secor, D. H., J. M. Dean and S. E. Campana [eds.]. 1995. Recent Developments in Fish Otolith Research. Belle W. Baruch Library in Marine Sciences Number 19. University of South Carolina Press, Columbia, SC. 735 p.

Secor, D.H., J.M. Dean, and E.H. Laban. 1991. Manual for Otolith Removal and Preparation for Microstructural Examination. Electric Power Research Institute and Belle W. Baruch Institute, Columbia, SC. 85 p.

E. Chapters and Book Reviews

Rooker, J.R., and D.H. Secor. 2019. Chapter 3. Otolith Microchemistry: Migration and Ecology of Atlantic bluefin tuna, p 45-66. In B.A. Block (ed.) The Future of *Bluefin Tuna*. Johns Hopkins University Press, Baltimore.

Secor, D.H. 2019. Book Review: *Seascape Ecology* (SJ. Pittman ed.). *Transactions of the American Fisheries Society* 148:871-872.

Secor, D.H. 2013. The Unit Stock Concept: Bounded Fish and Fisheries. In S. Cadrin, L. Kerr, and S. Mariani (eds.) Stock Identification Methods. Elsevier Press.

Cadrin, S.X. and D.H. Secor. 2009. Chapter 22, p. 405-426. Accounting for spatial population structure in stock assessment: past, present and future. In R.J. Beamish and B.J. Rothschild (eds.) Future of Fishery Science in North America. 405 Fish & Fisheries Series, Springer Science.

Secor, D.H. and H. Austin. 2006. Element 8: Externalities, p. 269-306, In Fisheries Ecosystem Planning for Chesapeake Bay. American Fisheries Society, Bathesda, MD.

Secor, D.H. 2004. Fish migration and the unit stock: three formative debates, p. 17-44. In Steven X. Cadrin, Kevin D. Friedland, John R. Waldman (eds.). Stock Identification Methods. Elsevier Inc., Burlington.

Secor, D.J. and E.J. Niklitschek. 2002. Sensitivity of sturgeons to environmental hypoxia: A review of physiological and ecological evidence, p. 61-78 *In:* R.V. Thurston (ed.) Fish Physiology, Toxicology, and Water Quality. Proceedings of the Sixth International Symposium, La Paz, MX, 22-26 Jan. 2001. U.S. Environmental Protection Agency Office of Research and Development, Ecosystems Research Division, Athens, GA. EPA/600/R-02/097. 372 pp.

Secor, D.H. 1998. Book Review - *Fishes of Chesapeake Bay*. Rev. Fish Biol. Fish. 8:1-2.

Secor, D.H. 1998. Book Review - *Sturgeon Biodiversity and Conservation*. Rev. Fish Biol. Fish. 8:3-4.

Waldman, J. R. and D. H. Secor. 1998. Caviar trade in North America - an historical perspective. pp. 77-89, In Williamson, D. (ed.), Proceedings of the Symposium on Harvest, Trade and Conservation of North American Paddlefish and Sturgeon.

Secor, D. H. and E. D. Houde. 1995. Larval mark-release experiments: Potential for research on dynamics and recruitment in fish stocks. pp. 423-445, *In:* Secor, D. H., S. E. Campana and J. M. Dean [eds.], *Recent Developments in Fish Otolith Research*. Belle W. Baruch Library in Marine Sciences Number 19. University of South Carolina Press, Columbia, S.C. 735 pp.

Secor, D. H., J. M. Dean and S. E. Campana. 1995. Fish Otoliths: Faithful Biological and Environmental Chronometers? pp. xxv - xxvii, UMCEES Contrib. No. 2671. In: Secor, D. H., S. E. Campana and J. M. Dean [eds.], *Recent Developments in Fish Otolith Research*. Belle W. Baruch Library in Marine Sciences Number 19. University of South Carolina Press, Columbia, S.C. 735 pp.

Secor, D.H., J.M. Dean, and E.H. Laban. 1992. Manual for Otolith Removal and Preparation for Microstructural Examination, Chapter 3, *In*: Stephenson, D. and S. Campana (eds.), Otolith Microstructure Examination and Analysis. *Canadian Special Publication of Fisheries and Aquatic Sciences* 117.

F. White Papers, Reviews & Assessments

Atlantic States Marine Fisheries Commission (ASMFC). 2024. 2024 Atlantic Sturgeon Stock Assessment Update. ASMFC, Arlington, VA. 89 p.

International Council for the Exploration of the Sea (ICES). 2024. Workshop on the evaluation of NEA mackerel stock components (WKEVALMAC. R. Nash, D. Secor (eds.) ICES Scientific Reports. 6:25. 48 pp. ttps://doi.org/10.17895/ices.pub.24216843

Responsible Offshore Alliance. 2021. Offshore Wind Project Monitoring Framework and Guidelines. 57 p.

Secor, D., M. O'Brien, E. Rothermel, C. Wiernicki, and H. Bailey. 2020. Movement and Habitat Selection by Migratory Fishes within the Maryland Wind Energy Area and Adjacent Reference Sites. Bureau of Ocean Energy Management. BOEM 2020-030. Sterling, Virginia. 109 p.

Cadrin, S., M. Morse, L. Kerr, D. Secor, and M. Siskey. 2018. Exploratory stock assessment of Eastern and Western population-of-origin Atlantic bluefin tuna accounting for stock composition. Collective Volume of Scientific Papers, International Commission for the Conservation of Atlantic Tunas (ICCAT) 74(6):3290-3304.

ICES 2018. Report of the Workshop for the Review of Eel Management Plan Progress Reports (WKEMP). J-J Maguire and D. Secor (eds.) Copenhagen, Denmark. ICES CM 2018/ACOM:46. 100 pp. https://doi.org/10.17895/ices.pub.5629. 100 p.

Morse, M, S Cadrin, L. Kerr, D. Secor, M Siskey, H Arrizabalaga, A Hanke, and C Porch. 2018. An updated analysis of bluefin tuna stock mixing. Collective Volume of Scientific Papers, ICCAT 74(6):3486-3509.

Southeast Data, Assessment, and Review. 2018. SEDAR 58 Cobia Stock ID Review Workshop Report. July 2018.
http://sedarweb.org/docs/page/S58_CobiaStockIDReportCompilation_FINAL_8.17.2018.pdf

ASMFC. 2017. 2017 Atlantic Sturgeon Benchmark Stock Assessment and Peer Review Report. ASMFC, Arlington, VA. 456 p.

Standing Committee for Research and Statistics (SCRS). 2016. Report of the 2016 ICCAT Bluefin Data Preparatory Meeting.
http://www.iccat.int/Documents/Meetings/Docs/2016_BFT_DATA_PREP_ENG.pdf

Pallares, P., J.M. Ortiz de Urbina, A. Fonteneau, J. Walters, A. Kimoto, E. Rodriguez-Marin, J. Neilson, G. Diaz, M. Lutcavage, D. Secor, C. Porch, J.M. Fromentin, and L. Kell. 2014. Report of the Bluefin Meeting on Biological Parameters Review (Tenerife Spain – May, 2013). 75 p. http://www.iccat.es/Documents/Meetings/Docs/2013-BFT_BIO_ENG.pdf

ICCAT SCRS. 2014. Report of the 2012 Atlantic Bluefin Tuna Stock Assessment Session. Madrid 2014. https://www.iccat.int/Documents/Meetings/Docs/2012_BFT_ASSESS.pdf.

Secor, DH, R. Allman, D. Busawon, B. Gahagan, W. Golet, E. Koob, P. Lastra Luque, M. Siskey. 2014. Standardization of otolith-based ageing protocols for Atlantic bluefin tuna. *Collective Volume of Scientific Papers ICCAT* 70(2):357-363.

Secor, D.H. 2012. External Review of Green Sturgeon Recovery Plan for the Center for Independent Experts. 27 pp.

Secor, D.H. 2009. External Review of Shortnose Sturgeon Status Review Report for the Center for Independent Experts. 23 pp.

Secor, DH, RL Wingate, JD Nielson, JR Rooker and SE Campana. 2009. Growth of Atlantic Bluefin Tuna:Direct Age Estimates. *Collective Volume of Scientific Papers ICCAT* 64(2):405-416.

Breitburg, D., E. Burreson, D. Buschek, M. Luckenbach, D. Secor, and R. Whitlach. 2008. Expert Panel to STAC on the PEIS Evaluation on Oyster Restoration in Chesapeake Bay Including the Use of a Native and/or Nonnative Oyster. Scientific and Technical Committee, Chesapeake Bay Program. Annapolis.7 pp.

Boesch, D.F. (editor). 2008. *Global Warming and the Free State: Comprehensive Assessment of Climate Change Impacts in Maryland.* Report of the Scientific and Technical Working Group of the Maryland Commission on Climate Change. University of Maryland Center for Environmental Science, Cambridge, Maryland.

Grau, G. (ed.). 2008. Report of External Review, Ocean Research Institute, The University of Tokyo. 2008. 144 pp.

ASMFC. 2007. Estimation of Atlantic Sturgeon Bycatch in Coastal Atlantic Commercial Fisheries of New England and the Mid-Atlantic. D. Secor, Chair. ASMFC, Arlington. 95 p.

Petitgas, P., G. Charrier, J. Coetzee, A. Corten, N. Lo, I. McQuinn, B. Planque, D. Secor, and G. Skaret. 2007. Report of the Workshop on Testing the Entrainment Hypothesis (WKTEST). ICES Living Resource Committee ICES CM2007/LRC:10. 111 pp.

Pyke, C., R. Najjar, R. Howarth, M. Mulholland, K. Sellner, R. Wood, D. Secor. 2007. Climate Change Research and the Chesapeake Bay. White Paper for Chesapeake Bay Program Science and Technical Advisory Committee. 107 pp.
http://www.chesapeake.org/stac/Pubs/climchangereport.pdf

Secor, D.H., L. Blankenship, D. Brosnan, I. Fleming, S. McKinley, K. Naish. 2007. Review of Atlantic Salmon Hatchery Protocols, Production, and Product Assessment. Sustainable Ecosystems Institute. Portland, OR. 99 p.

ASMFC. 2006. Terms of Reference and Advisory Report to the American Eel Stock Assessment Peer Review. D. Secor, Chair. ASMFC, Arlington, VA 29 p.

Houde, E., M. McBride (eds.). 2006. Fisheries Ecosystem Planning for Chesapeake Bay. American Fisheries Society, Bathesda, MD. 410 p.

Secor, D.H. (Chair), M. Christman, F. Curriero, D. Jasinski, E. Perry, S. Preston, K. Reckhow, M. Trice. 2006. The Cumulative Frequency Diagram Method for Determining Water Quality Attainment. Report of the Chesapeake Bay Program STAC Panel to Review Chesapeake Bay Program Analytical Tools. (Review of the Chesapeake Bay Program Cumulative Frequency Diagram and Interpolator) STAC Publication 06-, 9 October 2006. 75 pp.

Sullivan, P. J., J. M. Acheson, P. L. Angermeier, T. Faast, J. Flemma, C. M. Jones, E. E. Knudsen, T. J. Minello, D. H. Secor, R. Wunderlich, and B. A. Zanetell. 2006. Defining and implementing best available science for fisheries and environmental science, policy, and management. American Fisheries Society, Bethesda, Maryland, and Estuarine Research Federation, Port Republic, Maryland. 37 p.

Environmental Protection Agency. 2003. Ambient Water Quality Criteria for Dissolved Oxygen, Water Clarity and Chlorophyll a for the Chesapeake Bay and its tributaries. EPA 903-R-03-002. Wash. DC. 343 p.

Secor, D.H., A.H. Hines, and A.R. Place. 2002. Japanese Hatchery-based Stock Enhancement: Lessons for the Chesapeake Bay Blue Crab. MD Sea Grant Report UM-SG-TS-2002-02. College Park, MD. 44pp. http://www.mdsg.umd.edu/crabs/stock_enhance/contents.html.

Anon. 1998. National Marine Fisheries Service. Status Review of Atlantic Sturgeon *(Acipenser oxyrinchus oxyrinchus*):an Endangered Species Act Status Assessment. National Marine Fisheries Service and U.S. Fish and Wildlife Service, Gloucester, MA. 125 pp. http://www.nmfs.noaa.gov/pr/species/statusreviews.htm

Friedland, K., D. H. Secor, B. Mamoudi, and R. Condry. 1998. Atlantic Menhaden Stock Assessment Peer Review. Atlantic States Marine Fisheries Commission. ASFMC, Wash. DC. 13 pp.

Secor, DH and EJ Chesney. 1998. Summary of a Workshop: Otolith microconstituent analysis of Atlantic bluefin tuna. SCRS/97/62. *ICCAT Collective Volume of Scientific Papers* 48:51.

G. Editorships

Editor, *ICES Journal of Marine Science*, 2012-2023
Associate Editor, *Estuaries*, 1997-2001
Associate Editor, *North American Journal of Fisheries Management*, 1994-1996

H. Memberships in Professional Societies

American Association for the Advancement of Science, 1992-

American Fisheries Society, 1988-
Tidewater Chapter of the American Fisheries Society [*President 1996-1997*]
Early Life History Section, American Fisheries Society [*Secretary 1997-2000*]

I. Symposia Organized/Chaired for Professional Meetings

Co-Convener (with J. Buyse and N. Mavraki), Theme Session: From turbines to ecosystems: scaling up assessments of offshore renewable energy impacts. ICES Annual Science Conference, Brest, France. September 2026

Convener, Mid-Atlantic Fisheries Management Council Science and Statistical Committee briefing on fisheries-offshore wind interactions, September 2020-2023.

Organizing Committee, Coastal Fisheries and Offshore Energy Development: Managing a Multi-Use Ocean. AFS Annual Conference, August 2018, Atlantic City, NJ.

Co-Convener and Program Chair, Larval Fish Conference. June 2016, Solomons, MD.

Convener, Chesapeake Bay Atlantic Sturgeon Workshop. December 2015. CBL, Solomons MD.

Organizer and host, International Workshop for Standardization of Otolith-based Ageing Protocols for Atlantic Bluefin Tuna, 2013. Solomons, MD.

Convener, Chesapeake Sturgeon Workshop, 2013. Chalk Point Generating Station, MD.

Session Moderator, Population Models for Sturgeon Restoration. NOAA Protected Species Division Workshop on Atlantic and shortnose sturgeons. 2011. Alexandria VA.

Co-Chair, What do fish learn in schools? Life cycle diversity within populations, mechanisms and consequences. ICES Annual Conference, 2009, Berlin.

Co-Chair, Chesapeake Bay Program Workshop on Habitat Suitability Models, Chesapeake Bay Ecosystems Management Symposium, 2009, Baltimore.

Co-Convener, Connectivity in the Life Cycles of Fishes in Estuaries and Coasts, Special Session, Estuarine Research Federation, 2007. Providence, RI.

Co-Convener, Crustacean Fisheries Science and Assessment. American Fisheries Society Annual Conference 2005, Anchorage.

Program Committee, ASLO 2006 Summer Meeting, Global Challenges facing Oceanography and Limnology. 2004-2006.

Co-Convener, Connectivity in the Life Cycles of Fishes in Temperate and Tropical Estuaries, Special Session, Estuarine Research Federation, 2003. Seattle, WA.

Steering Committee, International Conference on Flatfish. 2003-2005. Kyoto, Japan.

Session Moderator, The Interface between Stock Enhancement and Aquaculture, 2002. Baltimore, MD.

Steering Committee of American Fisheries Society Symposium, Biology, Ecology, and Conservation of Sturgeons, 2000. St. Louis, MO.

Conference Co-Chair, Early Life History Strategies, 70th Anniversary of the Japanese Society of Fisheries Science, Yokohama, Japan.

Steering Committee of International Symposium, Fish Otolith Research and Application, 1996-1998. Bergen, Norway. June 1998.

Host, Annual American Fisheries Society Tidewater Chapter Meeting. Solomons, MD. February 1998.

Convenor, Bluefin Tuna Otolith Workshop. April 1997. Charleston, SC.

Convenor, Chesapeake Bay Atlantic Sturgeon Recovery. November 1994. Chesapeake Biological Laboratory. Solomons, MD.

Steering Committee of the First International Symposium, Fish Otolith Research and Application, 1992-1993. Hilton Head, SC. January 1993.

Advisory Service

A. International

External Evaluator, DIASPORA EU project on diadromous fish paradigms, 2024-2026
Co-Chair, International Council for the Exploration of the Seas (ICES) Workshop on the Evaluation of NEA Mackerel Stock Components Management Measures, 2023-2024
Member, ICES Working Group on Northwest Atl. Mackerel Ecology and Assessment, 2022-2025
Nominated member, Selection Committee, Emperor's Commemorative International Prize for Biology, Japanese Society for the Promotion of Science, 2022
Member, ICES Working Group on Offshore Wind Development and Fisheries, 2020-
Member, ICES Workshop on Education Strategy to Meet Future ICES Advisory Needs, 2020-2023
Nominated Co-chair, ICES Expert Working Group, Evaluation of EU Member States' Eel Regulation Reports, 2021
Member, ICES Stock Identification Work Group, 2004-
US Delegate to Canada Fisheries and Oceans Atlantic Mackerel Stock Assessment review, 2017
US Delegate to the International Commission for the Conservation of Atlantic Tunas (ICCAT) Atlantic Bluefin Tuna Stock Intersessional Meeting, Madrid, 2016
Rapporteur, Population Structure Group, ICCAT Bluefin Meeting on Biological Parameters Review, Tenerife, 2013
Member, US Delegation to ICCAT Atlantic Bluefin Tuna Assessment Meeting, Madrid, 2012

Member, US Delegation to ICCAT Species Working Groups, Madrid, 2011, 2012
Member, Program Review Panel, University of Tokyo Ocean Research Institute, 2007-2008
Member, ICES Eel Work Group, 1999-2018
Participant, ICES Workshop on Entrainment, Migration and Life Cycle Diversity, Nantes, 2007
Member, Advisory Committee to U.S. Delegation, ICCAT, 2003-2006
Member, Bluefin Tuna Working Group of U.S. ICCAT 2000-2010 (Chair, 2003-2006)
U.S. Delegate, ICCAT Mtg on Bluefin Tuna Mixing, 2004 (Marseilles) and 2006 (Palma de Majorca)
Invited Reviewer, Convention on International Trade in Endangered Species (CITES) harvest proposal for Beluga Sturgeon Harvests in the Caspian Sea 2002
Invited Reviewer, US Fish and Wildlife Service Beluga Sturgeon Endangered Species Proposal 2002
Member, CITES Animal Committee, Conv. Int'l Trade of Endangered Spp., WV, 2000

B. National/Regional

National/Regional Fisheries

Nominated Expert Panel member, US Government Accountability Office. Offshore Wind Energy: Actions needed to address gaps in Interior's oversight of development, 2024
Nominated Member, Science and Statistical Committee, Mid-Atlantic Fishery Management Council, 2009-2024; Species lead for Atlantic mackerel; Topic lead for offshore wind industry impacts
Nominated Member, Atlantic Sturgeon Technical Committee (ASMFC),1996- (elected Chair 2004-7)

Nominated Member, Atlantic Sturgeon Stock Assessment Workgroups, ASMFC, 2013-2016; 2023-2024, 2026-
Chair, ASMFC Working Group to Assess Coastal Bycatch of Atlantic Sturgeon, 2007
Chair, ASMFC American Eel Stock Assessment Review Panel, 2006
Member, Atl. Menhaden Stock Assessment Review Panel, Atl. States Marine Fish. Comm., 1999
Member, Ecological Role of Atlantic Menhaden ASMFC Review Panel, 2004

Conservation/Chesapeake Bay

Research Advisor, Responsible Offshore Science Alliance, 2020-
Member, Expert Panels, The State of Science on Wildlife and Offshore Wind Energy Development, NY State Energy Research & Development (NYSERDA) 2018, 2024, 2026
Member, Expert Panels on fisheries management and migratory species, Responsible Offshore Alliance/BOEM/NOAA Synthesis of the Science for Fisheries and Offshore Wind, 2020
Member, Expert Panel, Storm Barrier Environmental Effects, National Estuarine Research Reserve System Science Collaborative, NYC Harbor, 2019
Member, Strategic Advisory Panel, Migratory Connectivity in the Ocean (PI Halpern, Duke Univ.), 2017-2019
Invited Reviewer, Center for Independent Experts, NOAA Pacific Green Sturgeon Recovery Plan,

2012
Invited Reviewer, Center for Independent Experts Reviewer for NOAA Shortnose Sturgeon Assessment, 2009
Panel, Sustainable Ecosystem Institute Review of US Geological Survey program of research on pallid sturgeon, 2007
Panel, Sustainable Ecosystem Inst., Pallid sturgeon population and habitat assessment, 2004-2006
Chair, Sustainable Ecosystem Inst. Rev. Maine's Endangered Atl. Salmon Recovery Program, 2006
Chair, Sustainable Ecosystem Inst., Missouri State Catfish Harvest Policy 2006
Invited Reviewer, NOAA Assessment on Threatened Status of Atlantic sturgeon, 2006
Member, MOAA Shortnose Sturgeon Endangered Species Research Review Panel, 2003
Invited Reviewer, US Fish and Wildlife Service Assessment on Threatened Status of American eel, 2006
Nominated Member, Essential Fish Habitat Working Group, NOAA Northeast Center, 2005-2006
Member, American Fisheries Society/National Marine Fisheries Service Endangered Marine Fishes Panel on Quantitative Criteria for Extinction Risk, 1999
Member, Sturgeon Exhibit Development Team, Calvert Marine Museum, 1998-1999

Chesapeake Bay/Maryland

Member, Chesapeake Bay Program Workgroup on Invasive Catfish, 2019-
Elected Member, Scientific, Technical, Advisory Committee, Chesapeake Bay Program, 2005-2013
Member, NOAA Chesapeake Bay Fisheries Ecosystem Striped Bass Working Group, 2008-2010
Appointed Member, Fisheries Steering Committee, Chesapeake Bay Program, 2006-2009
Appointed Chair, Coastal Ecosystem Group, MD Governor's Comm. Assessment of Climate Change 2008
Appointed Member, Workgroup, Climate Change in the Chesapeake Bay, Chesapeake Bay Program, 2006-2008
Member, Chesapeake Bay Program Expert Panel on Oyster Restoration using Native and/or Nonnative Oyster, 2008
Appointed Chair, Review of Chesapeake Bay Program Analytical Tools, 2005-2006
Member, Environmental Protection Agency Chesapeake Bay Dissolved Oxygen Criteria Team, 2000-2003
Member, NOAA Chesapeake Bay Fisheries Ecosystem Management Advisory Panel, 2000-2003
Member, NOAA DelMarVa Coastal Bay Scientific Advisory Committee, 2000-2006
Member, Snakehead Technical Committee, Maryland Department of Natural Resources, 2002
Lead, Task Force Chair to evaluate blue crab stock enhancement, MD Sea Grant 2001-2002

C. Science Review

Member, Hudson River Biological Monitoring Program Workgroup, Hudson River Foundation, 2019-2022
Member, Hawaii Sea Grant Advisory Committee, 2008
Appointed Member, American Fisheries Society/Estuarine Research Federation Best Science Committee, 2002 – 2006
External Reviewer NOAA Joint Institute of Marine Research Program, Univ. Hawaii, 2004
Member, NJ Sea Grant Advisory Committee, 2006-2007

Member, MD Sea Grant Advisory Committee, 1997-2004
Appointed Chair, Search Committee, Ass't Director MD Sea Grant 2000-2001
Member, Review Panel, CalFed Grants Program, 2005, 2008
Member, NOAA Sea Grant Essential Fish Habitat Proposal Panel, 2002
Member, Review Panel, Hudson River Foundation, 1998, 1999, 2002

D. University Shared Governance

Appointed Chair, UMCES Institutional Animal Care and Use Committee, 2025-
Appointed Member, Horn Point Laboratory, UMCES Director Search Committee, 2022
Appointed Co-Chair, Review of Research Administration at UMCES, 2020-2021
Elected UMCES Faculty Senate Chair, 2015-2018
Appointed Chair, UMCES Faculty Working Group on Faculty Standards, 2017
Appointed UMCES President Search Committee, 2016-2017
Appointed Horn Point Laboratory Director Review Committee, 2016
UMCES Conflict of Interest Committee, 2016
Ex Officio, UMCES Graduate Faculty Council, 2015-2018
Appointed Representative to the Council of University of System Faculty, USM, 2015-2018
Appointed USM Senate Chairs Committee, 2015-2018
Appointed UMCES Vice President for Administration Search Committee, 2015
Lead, Standard 10 Middle States Commission on Higher Education Accreditation (MSCHE) UMCES Self-Study, 2015
Member, MSCHE UMCES Accreditation Readiness Team, 2014
Host, Marine-Estuarine Environmental Science Program (MEES) Colloquium (twice)
Host, UMCES Convocation (thrice)
Chair, Truitt Building Redesign Committee, 2011-2012
Appointed member, Appalachian Laboratory Director Review Committee, 2010
Elected Faculty Senator, UMCES, 2000-2004; 2010-2014.
Fisheries Research Complex Building Design Committee, CBL, 2005-2006.
Appointed Chair, Faculty Steering Committee and internal review of the UMCES Integration and Application Network, UMCES 2003-2004
Co-Chair MEES Fisheries Area of Specialization, 1999-2009
Member, Admissions Committee, Fisheries Area of Specialization, MEES Program, 1999-2009
Member MEES Program Committee, 1999-2009
Chair, CBL Seawater Use Committee, 1995-2015 (lead on 4 NSF facilities improvement awards)
Chair and member of numerous Faculty Search and Promotion Committees, 1996-

Teaching, Mentoring and Training

Marine-Estuarine Environmental Studies Program (MEES) Graduate Faculty, University of Maryland Center for Environmental Science/Univ. Maryland College Park, 1998-

A. University System of Maryland Courses Taught:MEES Graduate Program – since 2022

Fish Ecology (Co-instructor; 3-credit course with Dr. T.Miller) offered over Interactive Video Network to University of Maryland System even spring semesters. Taught even years, Spring 1994-2024. Enrollments 5-25.

Marine Fisheries Science and Management (Lead instructor; 3-credit course with Dr. M. Wilberg) offered over Interactive Video Network to University of Maryland System even fall semesters. Taught Fall 2008, 2010, 2012. Enrollment 10-20.

Fisheries Techniques and Chesapeake Bay Fishes (Instructor, 3-credit course with lab; taught Fall 1998, 2001, 2003. Enrollment 10-16.

B. Thesis Advisor (26)

Student, Degree, Year	**Career: Past or Current Positions**
Stevenson, Jill T. MS, 1997	Senior Consultant, Oceans Team, Council Fire, Benefit LLC
Zlokovitz, Erik R. M.S., 1999	Fisheries Scientist, MD Department of Natural Resources
Niklitschek, Edwin J Ph.D., 2001	Professor, University de Los Lagos (Puerto Montt, Chile)
Morrison, Wendy E. M.S., 2001	Ph.D. GA Tech. Univ.; Chief of Staff, Southeast Fisheries Sci. Center
Kraus, Richard T. Ph.D., 2003	Deputy Center Director, USGS Great Lakes Science Center
Takata, Lynn T M.S., 2004	Senior Environmental Scientist, Delta Science Program, California
Murphy, Robert F. M.S., 2005	Senior Fisheries Ecologist, Tetra Tech, Inc.
Callihan, Jody L. M.S., 2005	Ph.D., LA State Univ.; Scientist, Federal Energy Regulatory Comm.
Puckett, B.J., M.S. 2005.	Ph.D. NC State Univ.; Marine Biologist, NOAA NCCOS, NC
Woodland, Ryan A. M.S, 2005	Ph.D. UMCES (see below)
Kerr, Lisa A. Ph.D., 2008	Professor, School of Marine Science, Univ. Maine
Deanna Hanks, M.S. 2009	Faculty Research Assistant II, UMCES
Kari Fenske, M.S., 2009	Ph.D., Univ. Washington, Scientist, NMFS Alaska Fish. Sci. Center
Woodland, Ryan A. Ph.D., 2010	Associate Professor, CBL, UMCES
Chris Conroy. M.S. 2011	PhD, NE University; Associate Professor, Univ. of New Haven, CT
Mike O' Brien, M.S. 2013	Faculty Research Assistant IV, CBL, UMCES
Matthew Siskey, M.S. 2015	PhD, Stony Brook University; Fish Biologist, WA Dept. Fish & Wildl.
Alexandra Atkinson, M.S. 2016	NMFS Scientist, National Fish Habitat Partnership, Silver Spring
Brian Gallagher, M.S. 2016	Ph.D., Carleton Univ.; Post-Doctoral Scientist, Whitman College
Stephan Redding, M.S. 2017	Senior Manager, National Fish and Wildlife Foundation
Erin Markin2017, Ph.D. 2017	NMFS Scientist, Protected Resources, Silver Spring
Ella Rothermel, M.S. 2020	Staff Scientist, Partnership for the Delaware Estuary
Caroline Wiernicki, M.S. 2020	PhD. Candidate, Univ. Delaware
Ben Frey, M.S., 2022	Coastal Habitat Biologist, USFWS, Lansing, MI
Nicholas Coleman, M.S.,2022	Fisheries Certification Specialist, MRAG Americas
Kohma Arai, Ph.D., 2023	Scientist, Japan Fisheries Research and Education Agency, Yokohama

C. Advisory Committee Memberships (all graduated by the University of Maryland MEES Graduate Program, unless otherwise indicated).

Past student committees (48)

Kellogg, Loren, M.S. (1995); Schutz, Joseph, M.S. (1996); Ashley, Jeff, Ph.D. (1998); Tate, Anne, M.S. (1998); Veinott, G. Ph.D., Trent Univ. Watershed Ecosystems Program, Canada (External Examiner, 1998); Hall, Matthew, M.S. (1999); Ju, Se-Jong, M.S. (1999); Schweighoffer, Mona, M.S. (1999); Maki, Kristin, M.S.,Virginia Institute of Marine Science (2000); Sadler, Edie, M.S. (2000); Leaner, Joy, Ph.D. (2001); Steinbacher, Joe, M.S. (2001); Ju, Se-Jong, Ph.D. (2002); Toaspern, Megan, M.S. (2003); Dowgallio, Michael, Ph.D. (2004); Elsdon, Travis, Ph.D., Univ. Adelaide (External Examiner, 2004); Vanisko, Jessica, M.S. (2004); Bauer, Laurie, M.S. (2005); Andrea Findeisen, M.S. (2006); Egnotovich, Michael, Ph.D (2006); Rodney, William, Ph.D. (2007); Liebert, Daniel, M.S. (2007); Cooney, Sean, M.S. (2008) ; Martino, Ed, PhD (2008) ; Andrews, Allen, Ph.D., Rhodes Univ. (External Examiner, 2008); Grant, Evan, Ph.D. (2009); Davis, Carys Ann, Ph.D., Galway-Mayo Inst. Technology, Ireland (External Examiner 2009); Chandler, Allison, M.S. (2010); Kelly, Chris, Ph.D (2011); Schlenger, Adam. M.S., 2012; Peeomiller, Bhae-Jin, LMRCSC, M.S. Univ. MD Eastern Shore (2012); Miguel Araya, PhD., Univ. De Los Lagos (External Examiner, 2014); Altenritter, Matthew, Ph.D. Univ. Maine (2015); Aimee Hoover (2017); Mauer, Leah , M.S. (2017); Wilson, Justin, LMRCSC, M.S. Univ. MD Eastern Shore (2017); Mateo, Maria, Ph.D., National Research Inst. Science Techn., Cestas France (External Examiner 2017); Price, Andre, LMRCSC, M.S. Univ. MD Eastern Shore (2019); Phillips, Olivia, M.S., VA Inst. Marine Science (2019); Hanif, Amar, LMRCSC, Ph.D. (2019); Goldyn, Aquino, M.S. (2020; External, University of Philippines); Amber Fandel, M.S. UMCES/MEES; Barbour, Nicole, Ph.D. UMCES/MEES (2022); Riley, Cait, M.S. (External, Univ Massachusetts Dartmouth SMAST (2022); Colbert, Ben Ph.D. UMCES/MEES (2024); Nehemia, Samara, Ph.D. UMCES/MEES (2024); Brodnick, Reed, Ph.D. UMCES/MEES (2025); DeGroot, Luke Ph.D. UMCES/MEES (2026)

Current student committees (4)
Vaislvil, Alex Ph.D. (External, Oklahoma State Univ); Bell, Robert Ph.D. UMCES/MEES; Alaimo, Samantha Ph.D. (External, Rutgers University); Gahagan, Ben Ph.D. (External, University of Massachusetts, Amherst)

D. Research Scientists and Internships Supervised and Hosted

Scientists
Ms. Sandy Sutherland, NMFS Northeast Fisheries Science Center, 2018
Ms. Sarah Turner, Graduate Student, Syracuse University, 2013
Mr. Matthew Alternitter, Graduate Student, University of Maine, 2013
Mr. Robert Allman and Ms. Beverly Barret, Scientist, NMFS Panama City Laboratory, 2010, 2011
Mr. Dheeraj Busawon, Scientist, Canada Fisheries and Oceans, New Brunswick Biol.Station, 2011
Ms. Alejandra Lafon Vilugron, Scientist, Univ. Southern Chile, 2011

Post-Doctoral Scientists
Dr. Hikaru Itakura, JSPS Japanese Science Fellow, Research Associate, Chesapeake Biological Laboratory, 2019-2021. Currently Associate Professor, Tokyo University of Marine Science
Dr. Zikri Arslan, Research Associate, Chesapeake Biological Laboratory, 2002-2003. Currently Senior Scientist, USGS
Dr. Jay R. Rooker, Research Associate, Chesapeake Biological Laboratory, 1998. Currently Regents Professor at Texas A&M University Galveston

Faculty Research Assistants (staff scientists)
Tribble, Caroline (2023-); Silva, Kirsten (2022-); O Brien, Michael (2013-); Wingate, Rebecca (2004 – 2010; 2023-); Kostelecky, Evan (2023-2024); Testa, Jamie (2022-2023); Wiernicki, Caroline (2019); Rothermel, Ellie (2020); Gahagan, Ben (2012); McGuire, Scott (2002-2004); Larsen, Steve (1998-2001); Gunderson, Troy (1996-1999); Trice, Mark (1994-1995)

International Visiting Graduate Students
Mr. Miguel Araya, Visiting Ph.D. Candidate, Univ. de Los Lagos, Chile, 2011
Mr. Narisato Hirai, Visiting Ph.D. Candidate, Kyoto University, 1999-2001
Mr. Taro Ohta, Visiting Ph.D. Candidate, Kyoto University, 1997

Sabbatical Host
Dr. Pierre Petitgas, French Inst. for Exploitation of the Sea (IFREMER), Nantes France, 2009-2010.
Dr. T. Arai, University of Tokyo, 2005-2006.
Dr. Ryo Kimura, National Research Institute of Fisheries Science, Yokohama, Japan, 1998-1999

Data Sharing

Curated Telemetry Datasets:
Secor, DH, O'Brien MHP, and Wiernicki CJ. "UMCES Black Sea Bass & Offshore Construction." Mid-Atlantic Acoustic Telemetry Observing System. URL:matos.asascience.com/project/detail/97
Secor DH, O'Brien MHP, Rothermel ER, and Bailey, H. "UMCES BOEM Offshore Wind Energy." Mid-Atlantic Acoustic Telemetry Observing System. URL:matos.asascience.com/project/detail/87
Secor DH, O'Brien MHP. "UMCES Potomac River Striped Bass Migration." Mid-Atlantic Acoustic Telemetry Observing System. Mid-Atlantic Telemetry Observing System. URL:matos.asascience.com/project/detail/60
Secor DH, O'Brien MHP, Best JE, Higgs, AH. "UMCES-NYSDEC Hudson Striped Bass Spawning." Mid-Atlantic Acoustic Telemetry Observing System. URL:matos.asascience.com/project/detail/127

2022- ; Oversee the TailWinds Delphinus server (resides at Chesapeake Biological Laboratory) for archiving and processing large bioacoustics (cetacean) records. Current storage capacity is 156 TB; current use is 91 TB.

Shared full baseline database and algorithm on Atlantic bluefin tuna otolith composition to permit classification of unknown bluefin tuna stock mixtures.
http://www.int-res.com/articles/suppl/m504p265_supp.xls

Deposited 1064 prepared Atlantic bluefin tuna otolith sections and 579 whole otoliths collected 1974-2013 together with data and metadata files to the NOAA SEFSC Panama City Laboratory (2024: Dr. Beverly Barnett) for archiving and community access.

Archived 1100 prepared Atlantic and shortnose sturgeon fin spine sections collected 1993-1998 together with data and metadata files destined to the USGS Eastern Ecological Center Leetown WV laboratory (2025: Dr. David Kayzyak) for archiving and community access.

Outreach

A. Commentaries

In the Chesapeake, summertime striped bass fishing is in hot water. Guest Commentary with M Gary. Bay Journal, July 2023.

AquaCon salmon factory jeopardizes Maryland's only sturgeon population. Guest Commentary, Baltimore Sun, August 2022.

AquaCon's proposed industrial salmon farm represents a major environmental risk for Maryland. Alan Girard, lead author. Maryland Matters, August 2022.

The skinny on shallow water: protected but vulnerable. The Bay Journal, July 2022.

Atlantic sturgeon: Not the ghosts I once thought they were. The Bay Journal, Dec 2021.

B. Public Testimony

Maryland Department of Environment Public Hearing on the AquaCon discharge permit. Federalsburg, MD. August 2022.

Caroline Commissioners Open Comment period on status of AquaCon siting (submitted letter). December 2022.

C. Public Media Interviews (since 2020)

The Listening Post. Produced by Andrew Patterson. MD Public TV, Outdoors Maryland. Nov. 2025.
Maryland plan to lift fishing ban on spawning striped bass stirs debate. T Wheeler, Bay Journal. May 2025.
Norwegian salmon farm tries for new location... Tim Wheeler, Bay Journal. Sep 2024.
After scrapping its salmon farm on the Eastern, shore company sets sights… Baltimore Sun. Sep 2024.
Maryland charter boats, anglers grapple with rockfish limit amid population decline. Baltimore Sun. May 2024.
Everybody's fish: Striped Bass on the Move. Cody Yeager. Chesapeake Bay Foundation. July 2024.
Blue catfish stomachs reveal ecological toll of their appetite. Jeremy Cox. Bay Journal Nov 2023.
Warming waters bring new 'tropical visitors to the Bay. Jeremy Cox. Bay Journal. Oct. 2023.
The importance of being earnest, scientifically speaking. Tom Horton. Bay Journal. Feb 2023.
When a massive project threatened endangered sturgeon, science intervened. Jeremy Cox. Bay Journal. Nov. 2022.
Striped bass no longer threatened by overfishing, study concludes." Tim Wheeler. Bay Journal. Nov. 2022.
Maryland's juvenile rockfish count below average for fourth year in a row. C. Condon. Baltimore Sun. Oct 2022.
Salmon farm developer withdraws discharge permit request amid sturgeon concerns. Bay Journal. Oct 2022.
An egregious gamble with Chesapeake sturgeon. Tom Horton. Bay Journal. September 2022.
Controversial fish farm could be coming to a pristine Chesapeake Bay tributary. S Broom, WUAS9TV Sep 2022.
Maryland regulators tentatively approve wastewater permit for massive salmon farm. Bay Journal. Aug 2022.
Massive salmon factory could harm wild sturgeon, residents fear. Jeremy Cox. Bay Journal. Aug 2022.
Environmentalists fear a new salmon farm will mean the end of sturgeon in MD. J McCord. WYPR News 2022.

The first farmed Chesapeake salmon versus the last of its sturgeon? Scott Dance, Baltimore Sun. August 2022.
Why fisherman worry about offshore wind in Ocean City, beyond, (TV) Delmarva Now, 2020.
Maryland offshore wind farms could become stop-over for migrating sturgeon, striped bass. Science Daily 2020.
Mortality rate of Bay's striped bass twice that of those in the Atlantic, Bay Journal, 2020.
Large rockfish leave the Chesapeake Bay to become ocean migrators; smaller fish remain, Science Daily, 2020.
Offshore wind farms and fishing: 'They are messing with my livelihood," Salisbury Daily Times, 2020.

D. Selected Invited and Overview Presentations

Secor, D.2025. A stormy outlook on the migration ecology of eels and other coastal fishes. Keynote, 1st International Asian Eel Conference, Amami, Japan.

Secor, D. 2025. An existential threat to a small sturgeon run: telemetry made a difference when placed in town-square. International Conference on Fish Telemetry. Travis City, WI.

Secor, D. 2025. The flyway construct and assessment of offshore wind on migratory marine fauna. Northeast Passive Acoustics Branch, NE Fisheries Science Center, NMFS. Virtual.

Secor, D. 2025. Chesapeake Biological Laboratory after WWII: Romeo Mansueti's remarkable career (1950-1963) of discovery, deduction, integration, and service. Chesapeake Biological Laboratory Science for Citizens Lecture. Solomons, MD.

Secor, D. 2025. Migrations, water quality, and mortality of Chesapeake Bay striped bass: Inferences from telemetry. Striped Bass Survey Assessment and Habitat Connections, Chesapeake Bay Program Workshop, Edgewater, MD.

Secor, D.H. 2023. TailWinds: Team for Assessing Impacts to Living Resources from Offshore Wind Turbines. Mid-Atlantic Fisheries Management Council Scientific and Statistical Committee, Baltimore, MD.

Secor, D.H. 2023. Partial migration in temperate sea basses. Atmosphere Ocean Research Institute, University of Tokyo Departmental Seminar. Japan.

Secor, D.H. 2023. TailWinds: Partnership between US Wind and University of Maryland Center for the Environmental Science. US Wind meeting with Governor Moore and staff at new Sparrow Point facility. Baltimore, MD.

Secor, D.H. 2022. The flyway concept of offshore wind farm impacts on migratory marine fauna. ICES Annual Conference, Dublin, Ireland.

Secor, D.H. 2022. Fisheries adaptation to wind harvest and wind disturbance regimes. Atmosphere and Ocean Research Institute, University of Tokyo Japan.

Secor, D.H. 2019. Adaptation to Climate Change: Can we better equip Hudson River fishes to succeed. Keynote Address, 2019 Hudson River Symposium, Vassar College, NY.

Secor, D.H. 2019. Fish migration and range shifts:a march or a sprint. Atlantic Salmon Ecosystems Forum. Plenary Address. Quebec City, Quebec.

Secor, D.H. 2019. Migration ecology of marine fisheries: Contingents for contingencies. Keynote Address. New York Chapter and Northeastern Division of the American Fisheries Society. Poughkeepsie NY.

Secor, D.H. 2019. New York Harbor: High stakes ecological corridor. Surge Barrier Environmental Effects and Empirical Experience. NERRS Workshop, NY, NY.

Secor, D.H. 2018. New Perspectives on the Migration of Marine Fishes. Earth Day Symposium. George Washington University. Washington DC.

Secor, D.H. 2018. Designing research and monitoring studies to detect impacts of offshore wind farms on coastal fishes. The State of the Science on Wildlife and Offshore Wind Energy Development (NYSERDA) Woodbury NY.

Secor, D.H. 2017. Fisheries stewardship in dynamic seascapes. Institute Maurice-Lamontagne, Canada Fisheries and Oceans, Mont Joli, Canada.

Secor, D.H. 2017. Assessing, predicting and managing Atlantic bluefin tuna. U.S. ICCAT Advisory Committee Meeting. Fort Lauderdale, FL.

Secor, D.H. 2017. Partial migration and hurricane responsiveness: Do fish have an evacuation plan. Invited Departmental Seminar, University of Bordeaux, France.

Secor, D.H. 2017. Before-after-gradient designs in monitoring the ecological impacts of offshore wind development. National Academy of Sciences Workshop. New Bedford MA.

Secor, D.H. 2016. Fisheries stewardship in dynamic seascapes: Assessing, predicting and managing marine fish migrations. Plenary, Ocean Global Change Biology Gordon Research Conference. Waterville Valley, NH.

Secor, D.H. 2016. Fisheries stewardship in dynamic seascapes: Assessing, predicting and managing marine fish migrations. Departmental Seminar, School of Marine and Atmospheric Sciences, Stony Brook University, NY.

Secor, D.H. 2015. Migration ecology of marine fishes: The most essential things are invisible to the eye. Plenary Address. ICES Annual Conference. Copenhagen. www.youtube.com/watch?v=Y9V8DjXBPaM.

Secor, D.H. 2015. Sustainability and Recovery of Chesapeake Bay Fisheries. Chesapeake Bay Foundation Board of Trustees. Annapolis, MD.

Secor, D.H. 2015. Migration ecology of Chesapeake Bay striped bass. Departmental Seminar, Virginia Institute of Marine Science, Gloucester Point, VA.

Secor, D.H. 2015. Skipped spawning or partial migration. American Fisheries Society Annual Conference, Portland OR.

Secor, D.H. 2014. Synopsis of regional mixing levels for Atlantic bluefin tuna estimated from otolith stable isotope analysis, 2007-2014. SCRS Bluefin Tuna Assessment Meeting. Madrid.

Secor, D.H. 2014. Migration ecology of NY Harbor striped bass: Fish of Gotham. Seminar Series, Hudson River Foundation. NY City.

Secor, D.H. 2014. Open and closed populations of marine fishes. American Fisheries Society Annual Conference. Quebec City.

Secor, D.H. 2014. Resilience of bluefin tuna in the Western Atlantic: the storage effect. Annual Tuna Conference, Lake Arrowhead, CA.

Secor, D.H. 2013. Writing innovative but effective science proposals: Cocktail talker or dog walker? National Socio-Environmental Synthesis Center, Annapolis, MD.

Secor, D.H. 2013. Population assignment based upon otolith stable isotope analysis. ICCAT Bluefin Meeting on Biological Parameters Review, Tenerife Spain.

Secor, D.H. 2012. Aligning fisheries and water quality science. Chesapeake Bay Program Sustainable Fisheries Goal Implementation Team. Alexandria, Virginia.

Secor, D.H. 2012. Life cycle portfolios in coastal fishes. Marine Science Departmental Seminar. University of Maine. Orono, Maine.

Secor, D.H. 2012. Good fish in bad habitats: Conceptual and empirical challenges in mapping fish migrations onto seascapes. Coastal and Estuarine Research Federation Conference, Mar del Plata, Argentina.

Secor, D.H. 2012. Mapping fish movements and migrations onto seascapes. Plenary Presentation. Workshop on Quantitative Seascape Ecology, MARACOOS. Rutgers University. New Brunswick NJ.

Secor, D.H. 2010. Resilince in Chesapeake Bay Striped Bass:Estuarine Homebody or Coastal Vagabond? Sewar Trout or Environmental Sentinal? Overifshied or Resilient? Consumed or Consumer? Washington and Lee University, VA.

Petitgas, P. and D. Secor. 2009. Mechanisms that sustain life cycle closure in space and time. ICES Annual Science Conference, Berlin.

Secor, D.H. 2009. Otoliths speak volumes on fish migration. Plenary Talk, 4th International Otolith

Symposium. Monterey CA.

Secor, D.H. 2009. An update on the Harden Jones Migration Triangle. ICES Conference, Berlin.

Secor, D.H., Kerr, L.A. and Cadrin, S.X. 2008. Obstinate nature and response diversity in an Atlantic herring metapopulation. Linking Herring, Galway Ireland.

Secor, D.H., J.Rooker, R. Schloesser, and J. Neilson. 2008. Contribution of western and eastern origin populations to US bluefin tuna (*Thunnus thynnus*) fisheries: evidence from otolith stable isotope analysis. Annual Tuna Conference. Lake Arrowhead, CA.

Secor, D.H. 2007. What is connectivity? Introduction to Session: Connectivity in the life histories of fishes that use estuaries. Estuarine Research Federation Conference. Providence, RI.

Secor, D.H. 2007. Conservation of Diadromous Fish Habitats: Contingent Structure, Biodiversity, and the Portfolio Effect. Key Note, International Conference on Diadromous Fishes. Halifax, NS.

Secor, D.H. 2006. Life Cycle Portfolios in Marine Fishes. Plenary Talk, Man and the Ocean-Sustainable Utilization and Conservation of Marine Resources, University of United Nations. Tokyo.

Secor, D.H. 2006. Incorporation of Habitat Concepts into Fisheries Assessment. Atlantic States Marine Fisheries Commission Spring Meeting, Alexandria, VA.

Secor, D.H. 2005. The year-class phenomenon and the storage effect in marine fishes. Plenary talk. International Conference on Flatfish. Kyoto, Japan.

Secor, D.H. 2005. Remote detection and monitoring of fishes in the Hudson River estuary. NSF Sponsored Workshop on Managing Global Rivers and Estuaries: A Framework for Designing a Hudson River Monitoring System. Palisades, NY.

Secor, D.H. 2001. Estuarine dependency and life history evolution in temperate basses. 70th Anniversary of the Japanese Society of Fisheries Science. Yokohama, Japan.

Secor, D. H. 2000. Historical roots of the Migration Triangle. ICES Centennial History Symposium. Helsinki, Finland.

Secor, D.H. and E.D. Houde. 1999. Spencer F. Baird's Conundrum: Can large releases of fish larvae restore or enhance fisheries? American Fisheries Society Annual Conference. Charlotte, NC.

Secor, D. H. 1998. Is otolith strontium a useful scalar of life-cycles in estuarine fishes? Symposium on Otolith Research and Application. Bergen, Norway.

Secor, D. H. 1997. Restoring Atlantic Sturgeon to an Era of Abundance (1880-1900 A.D.). Estuarine Fishes: Science and Management, Estuarine Research Federation. Providence, RI.

Secor, D. H. 1997. Spawning in the nick of time? Effects of adult demographics on spawning behavior and recruitment variability in Chesapeake Bay striped bass. ICES Symposium, Recruitment Dynamics of Exploited Marine Populations: Physical-Biological Interactions. Baltimore, MD

Secor, D.H. 1996. Lost and found generations of Chesapeake Bay striped bass. Rutgers University, New Brunswick, NJ

Secor, D.H. 1995. The return of the rockfish: Can this success story be a model for other fisheries? Economic and Environmental Affairs Committee, State of Maryland, Annapolis, MD.

Secor, D.H. 1994. The vagaries of persistence in anadromous fish populations. School of Natural Resources, University of Michigan, Ann Arbor.

Secor, D.H. 1994. Commissioner Baird's Conundrum: Utility or futility of stocking larval fishes into marine environments. Cod Enhancement Workshop. Woods Hole Oceanographic Institute, Woods Hole, MA.