

Robert J. Latour

Institute Address

Virginia Institute of Marine Science
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Education

- 2000 Ph.D., Biomathematics, North Carolina State University
- 1996 M.B.A., Biomathematics, North Carolina State University
- 1994 B.A., Mathematics, Western New England College

Experience

2013 - present

Professor, School of Marine Science, Virginia Institute of Marine Science, William & Mary

2008 - 2013

Associate Professor, School of Marine Science, Virginia Institute of Marine Science, William & Mary

2004 - 2008

Assistant Professor, School of Marine Science, Virginia Institute of Marine Science, William & Mary

2001 - 2004

Research Assistant Professor, School of Marine Science, Virginia Institute of Marine Science, William & Mary

2000 - 2001

Postdoctoral Research Associate, School of Marine Science, Virginia Institute of Marine Science, William & Mary

1998 - 1999

Mathematics Instructor, Durham CAPE Program, Shaw University

Research interests

Quantitative fisheries ecology with emphasis on understanding patterns and drivers of fish abundance, predator-prey interactions, and community structure. Population dynamics modeling, stock assessment, and fisheries ecosystem modeling in support of natural resource management.

Honors and awards

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| 2021 | Bangley et al. (2020) - Best publication for 2020 in Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science |
| 2021 | Thomas Ashley Graves, Jr. Award for Sustained Excellence in Teaching, William & Mary |
| 2021 | Morley et al. (2018) - Top 10% most cited paper PLoS ONE papers published in 2018 |
| 2019 | Outstanding Faculty Teaching Award, VIMS |
| 2019 | Stratton et al. (2019) - Top 10% most downloaded paper in Fisheries Oceanography during 2018-2019 |
| 2018 | Feature Research: Plos Responding to Climate Change: Projecting shifts in thermal habitat for 686 species on the North American continental shelf |
| 2017 | Feature Article: Reef height drives threshold dynamics of restored oyster reefs. Marine Ecology Progress Series, Volume 582 |
| 2017 | Feature Article: Spatiotemporal trends and drivers of fish condition in Chesapeake Bay. Marine Ecology Progress Series, Volume 579 |
| 2016 | Excellence in Fisheries Education Award, Tidewater Chapter, American Fisheries Society |
| 2014 | Annual Award of Excellence, Scientific-Technical-Advisory, Atlantic States Marine Fisheries Commission |
| 2012 | Outstanding Faculty Advisory Service Award, VIMS |
| 2010 | Plumeri Award for Faculty Excellence, William & Mary |
| 2008 - 2011 | Moses D. Nunnally Distinguished Associate Professor, VIMS |

Publications

* Indicates my graduate student; † Indicates graduate student collaboration

88. Ralph, G.M., J. Gartland, and **R.J. Latour**. In press. Evaluation of the Chesapeake Bay blue crab sanctuary through habitat suitability. Marine Ecological Progress Series.
87. *O'Brien, K.A., E. Cortés, W.B. Driggers III, B.S. Frazier, and **R.J. Latour**. In press. Niche structure and habitat shifts for coastal sharks of the US Southeast Atlantic and Gulf of Mexico. Fisheries Oceanography.

86. Fournier, R.J., D.D. Colombano, **R.J. Latour**, S.M. Carlson, and A. Ruhi. In press. Long-term data reveal widespread phenological change across major U.S. estuaries. *Ecology Letters*.
85. †Marin Martinez, C.M., **R.J. Latour**, M.C. Fabrizio, E.D. Houde, and E.J. Hilton. In press. Larval fish assemblage dynamics in the York River Estuary, Virginia, U.S.A. NOAA Professional Papers.
84. **Latour, R.J.**, J. Gartland, and A.M. Schueller. 2023. The reproductive biology and fecundity of female Atlantic menhaden. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 15:e10269.
83. **Latour, R.J.**, J. Gartland, and C.F. Bonzek. 2023. The design and redesign of a bottom trawl survey in Chesapeake Bay, USA. *Frontiers in Marine Science* 10:1217792.
82. *Gartland, J., S.K. Gaichas, and **R.J. Latour**. 2023. Spatiotemporal patterns in the ecological community of the nearshore Mid-Atlantic Bight. *Marine Ecology Progress Series* 704:15-33.
81. Zhang, Y., Y. Jiao, and **R.J. Latour**. 2023. Nonlinearity and spatial autocorrelation in species distribution modeling: an example based on weakfish (*Cynoscion regalis*) in the Mid-Atlantic Bight. *Fishes* 8, article 27.
80. Audemard, C., K.S. Reece, **R.J. Latour**, L.M. Bienlein, and R.B. Carnegie. 2023. Influence of oyster genetic background on levels of human-pathogenic *Vibrio* spp. *Aquaculture* 562, article 738763.
79. *Peterson, C.D., M. Wilberg, E. Cortés, D.L. Courtney, and **R.J. Latour**. 2022. Effects of altered stock assessment frequency on the management of a large coastal shark. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 14:e10221.
78. *Schonfeld, A.J., J. Gartland, and **R.J. Latour**. 2022. Spatial differences in estuarine utilization by seasonally resident species in Mid-Atlantic Bight, USA. *Fisheries Oceanography* 31:615-628.
77. *Peterson, C.D., M. Wilberg, E. Cortés, D.L. Courtney, and **R.J. Latour**. 2022. Effects of unregulated international fishing on recovery potential of the sandbar shark within the southeast United States. *Canadian Journal of Fisheries and Aquatic Sciences* 79:1497-1513.
76. **Latour, R.J.**, J. Gartland, and C.D. Peterson. 2022. Ontogenetic niche structure and partitioning of immature sandbar sharks within the Chesapeake Bay nursery. *Marine Biology* 169:76.
75. *Peterson, C.D., D.L. Courtney, E. Cortés, and **R.J. Latour**. 2021. Reconciling conflicting survey indices of abundance prior to stock assessment. *ICES Journal of Marine Science* 78:3101-3120.
74. Anstead, K.A., K. Drew, D. Chagaris, M. Cieri, A.M. Schueller, J. McNamee, A. Buchheister, G. Nessler, J.H. Uphoff Jr., M.J.

- Wilberg, A. Sharov, M.J. Dean, J. Brust, M. Celestino, S. Madsen, S. Murray, M. Appelman, J.C. Ballenger, J. Brito, E. Cosby, C. Craig, C. Flora, K. Gottschall, **R.J. Latour**, E. Leonard, R. Mroch, J. Newhard, D. Orner, C. Swanson, J. Tinsman, E.D. Houde, T.J. Miller, and H. Townsend. 2021. The past, present, and future of forage fish management: a case study of Atlantic menhaden. *Frontiers in Marine Science* 8:article 607657.
73. *Peterson, C.D., M.J. Wilberg, E. Cortés, and **R.J. Latour**. 2021. Dynamic factor analysis to reconcile conflicting survey indices of abundance. *ICES Journal of Marine Science* 78:1711-1729.
72. Woodland, R., A. Buchheister, **R.J. Latour**, C. Lozano, E. Houde, *C. Sweetman, M.C. Fabrizio, and T. Tuckey. 2021. Environmental drivers of forage fishes and benthic invertebrates at multiple spatial scales in a large temperate estuary. *Estuaries & Coasts* 44:921-938.
71. †Crear, D.P., **R.J. Latour**, M.A.M Friedrichs, P. St-Laurent, and K.C. Weng. 2020. Sensitivity of a shark nursery habitat to a changing climate. *Marine Ecology Progress Series* 652:123-136.
70. **Latour, R.J.** and J. Gartland. 2020. Dynamics of the shark community in the Mid-Atlantic Bight. *Marine Biology* 167:100.
69. Bangley, C.W., T.H. Curtis, D.H. Secor, **R.J. Latour**, and M.B. Ogburn. 2020. Identifying important juvenile Dusky Shark habitat in the Northwest Atlantic Ocean using acoustic telemetry and spatial modeling. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 12:348-363.
68. *Warshafsky, Z.T, T.D. Tuckey, W.K. Vogelbein, **R.J. Latour**, and A.R. Wargo. 2019. Temporal, spatial, and biological variation of nematode epidemiology in American eels. *Canadian Journal of Fisheries and Aquatic Sciences* 76:1808-1818.
67. †Crear, D., R. Brill, P. Bushnell, **R.J. Latour**, †G. Schwieterman, R. Steffen, and K. Weng. 2019. The impacts of warming and hypoxia on the performance of an obligate ram ventilator. *Conservation Physiology* 7.
66. *Stratton, M.A., G. Nessler, and **R.J. Latour**. 2019. Multi-decadal climate and fishing predictors of abundance for U.S. South Atlantic coastal fishes and invertebrates. *Fisheries Oceanography* 28:487-504.
65. *Gervasi, C.L., S.K. Lowerre-Barbieri, W.K. Vogelbein, J. Gartland, and **R.J. Latour**. 2019. The reproductive biology of Chesapeake Bay striped bass with consideration of the effects of mycobacteriosis. *Bulletin of Marine Science* 95:117-137.
64. †Ivory, J.A., D.K. Steinberg, and **R.J. Latour**. 2019. Diel, seasonal, and interannual patterns in mesozooplankton abundance in

- the Sargasso Sea. *ICES Journal of Marine Science* 76:217-231.
63. Morley, J.W., R.L. Selden, **R.J. Latour**, T.L. Frölicher, R.J. Seagraves, and M.L. Pinsky. 2018. Projecting shifts in thermal habitat for 686 species on the North American continental shelf. *PLoS ONE* 13(5):e0196127. Feature Research: PLoS Responding to Climate Change.
 62. *Lynch, P.D., K.W. Shertzer, E. Cortés, and **R.J. Latour**. 2018. Abundance trends of highly migratory species in the Atlantic Ocean: accounting for water temperature profiles. *ICES Journal of Marine Science* 75:1427-1438.
 61. Fabrizio, M.C., T.D. Tuckey, **R.J. Latour**, G.C. White, and A.J. Norris. 2018. Tidal habitats support large numbers of invasive blue catfish in a Chesapeake Bay subestuary. *Estuaries and Coasts* 41:827-840.
 60. *Parsons, K.T., J. Maisano, J. Gregg, C. Cotton, and **R.J. Latour**. 2018. Age and growth assessment of western north Atlantic spiny butterfly bay *Gymnura altavela* (L. 1758) using computed tomography of vertebral centra. *Environmental Biology of Fishes* 101:137-151.
 59. †Colden, A.M., R.N. Lipcius, and **R.J. Latour**. 2017. Reef height drives threshold dynamics of restored oyster reefs. *Marine Ecology Progress Series* 582:1-13. Feature Article.
 58. †Deary, A., **R.J. Latour**, and E.J. Hilton. 2017. Niche partitioning in early life history stage, estuarine-dependent fishes (Sciaenidae). *Estuaries and Coasts* 40:1757-1770.
 57. *Peterson, C., *K. Parsons, D. Bethea, W. Driggers III, and **R.J. Latour**. 2017. Community interactions and density dependence in Atlantic coastal sharks. *Marine Ecology Progress Series* 579:81-96.
 56. **Latour, R.J.**, J. Gartland, and C.F. Bonzek. 2017. Spatiotemporal trends and drivers of fish condition in Chesapeake Bay. *Marine Ecology Progress Series* 579:1-17. Feature Article.
 55. *Peterson, C., J. Gartland, and **R.J. Latour**. 2017. Novel use of hook timers to quantify changing catchability over soak time in longline surveys. *Fisheries Research* 194:99-111.
 54. *Peterson, C., C. Belcher, D. Bethea, W. Driggers III, B. Frazier, and **R.J. Latour**. 2017. Preliminary recovery of coastal sharks in the south-east United States. *Fish and Fisheries* 18:845-859.
 53. Thanassekos, S., **R.J. Latour**, and M.C. Fabrizio. 2016. An individual-based approach to year-class strength estimation. *ICES Journal of Marine Science* 73:1147-1159.
 52. Buchheister, A., T.J. Miller, E.D. Houde, D.H. Secor, and **R.J. Latour**. 2016. Spatial and temporal dynamics of Atlantic menhaden (*Brevoortia tyrannus*) recruitment along the Northwest At-

- lantic Ocean. ICES Journal of Marine Science 73:1147-1159.
51. †Schlenker, L.S., **R.J. Latour**, R.W. Brill, and J.E. Graves. 2016. Physiological stress and post-release mortality of White Marlin (*Kajikia albida*) caught in the United States recreational fishery. Conservation Physiology 4:doi.org/10.1093/conphys/cov066.
 50. *Buchheister, A. and **R.J. Latour**. 2016. Dynamic trophic linkages in a large estuarine system - support for supply-driven dietary changes using delta generalized additive mixed models. Canadian Journal of Fisheries and Aquatic Sciences 73:5-17.
 49. **Latour, R.J.** 2016. Explaining patterns of pelagic fish abundance in the Sacramento-San Joaquin Delta. Estuaries and Coasts 39:233-247.
 48. *Buchheister, A., M.J. Wilberg, T.J. Miller, and **R.J. Latour**. 2015. Simulating bottom-up effects on predator productivity and consequences for the rebuilding timeline of a depleted population. Ecological Modelling 311:48-62.
 47. *Sobocinski, K.L. and **R.J. Latour**. 2015. Trophic transfer in seagrass systems: Estimating seasonal production of an abundant seagrass fish, *Bairdiella chrysoura*, in lower Chesapeake Bay. Marine Ecology Progress Series 523:157-174.
 46. †Funkey, C.P., **R.J. Latour**, and D.A. Bronk. 2015. Abiotic effects on effluent dissolved organic nitrogen along an estuarine transect. Water Environment Research 87:258-265.
 45. *Buchheister, A. and **R.J. Latour**. 2015. Diets and trophic guild structure of a diverse fish assemblage in Chesapeake Bay, USA. Journal of Fish Biology 86:967-992.
 44. †Hudson, J., D.K. Steinberg, T.T. Sutton, J.E. Graves, and **R.J. Latour**. 2014. Myctophid feeding ecology and carbon transport along the Northern Mid-Atlantic Ridge. Deep Sea Research I 93:104-116.
 43. *Sweetman, C.J., T.T. Sutton, M. Vecchione, and **R.J. Latour**. 2014. Diet composition of *Bathylagus euryops* (Osmeriformes: Bathylagidae) along the Northern Mid-Atlantic Ridge. Deep Sea Research I 92:107-114.
 42. †Lefcheck, J.S., *A. Buchheister, †K.M. Laumann, *M. Stratton, *K.L. Sobocinski, †S. Chak, †T.R. Clardy, P.L. Reynolds, **R.J. Latour**, and J.E. Duffy. 2014. Dimensions of biodiversity in Chesapeake Bay demersal fishes: patterns and drivers through space and time. Ecosphere 5:art14.
 41. †Balazik, M.T., B.B. Langford, G.C. Garman, M.L. Fine, J.K. Stewart, **R.J. Latour**, and S.P. McIninch. 2013. Comparison of MS-222 and electronarcosis as anesthetics on cortisol levels in juvenile Atlantic sturgeon. Transactions of the American Fisheries

- Society 142: 1640-1643.
40. *Sobocinski, K.L., J.J. Orth, M.C. Fabrizio, and **R.J. Latour**. 2013. Historical comparison of fish community structure in lower Chesapeake Bay seagrass habitats. *Estuaries and Coasts* 36:775-794.
 39. *Sweetman, C.J., T.T. Sutton, M. Vecchione, and **R.J. Latour**. 2013. Distribution of the biomass dominant pelagic fish, *Bathylagus euryops* (Argentiniformes: Microstomatidae), along the northern Mid-Atlantic Ridge. *Deep-Sea Research I* 78:16-23.
 38. *Buchheister, A, C.F. Bonzek, J. Gartland, and **R.J. Latour**. 2013. Patterns and drivers of the demersal fish community of Chesapeake Bay. *Marine Ecological Progress Series* 481:161-180.
 37. †Balazik, M.T., S.P. McIninch, G.C. Garman, and **R.J. Latour**. 2012. Age and growth of Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*) in the James River, Virginia, 1997-2011. *Transactions of the American Fisheries Society* 141:1074-1080.
 36. **Latour, R.J.**, E.J. Hilton, *P.D. Lynch, T.D. Tuckey, B.E. Watkins, and J.E. Olney. 2012. Evaluating the current status of American shad (*Alosa sapidissima*) stocks in three Virginia rivers. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 4:302-311.
 35. *Lynch, P.D., K.W. Shertzer, and **R.J. Latour**. 2012. Estimating relative abundance of highly migratory bycatch species. *Fisheries Research* 125-126:27-39.
 34. **Latour, R.J.**, D.T. Gauthier, J. Gartland, C.F. Bonzek, *K.A. McNamee, and W.K. Vogelbein. 2012. Impacts of mycobacteriosis on the growth of striped bass (*Morone saxatilis*) in Chesapeake Bay. *Canadian Journal of Fisheries and Aquatic Sciences* 69:247-258.
 33. *Buchheister, A. and **R.J. Latour**. 2011. Trophic ecology of summer flounder in Chesapeake Bay inferred from stomach content and stable isotope analyses. *Transactions of the American Fisheries Society* 140:1240-1254.
 32. †Schloesser, R.W., M.C. Fabrizio, **R.J. Latour**, G.C. Garman, B. Greenlee, M. Groves, and J. Gartland. 2011. Ecological Role of Blue Catfish in Chesapeake Bay Communities and Implications for Management. In P. Michaletz and V. Travnicek, eds., *Conservation, ecology, and management of worldwide catfish populations and habitats*. American Fisheries Society, Bethesda, MD.
 31. *Horodysky, A.Z., R.W. Brill, P.G. Bushnell, J.A. Musick, and **R.J. Latour**. 2011. Comparative metabolic rates of common western Atlantic Ocean sciaenid fishes. *Journal of Fish Biology* 79:235-255.

30. *Lynch, P.D., J.E. Graves, and **R.J. Latour**. 2011. Challenges in the assessment and management of highly migratory bycatch species: a case study of the Atlantic marlins. Pages 197-226 in W.W. Taylor, A.J. Lynch, and M.G. Schechter, editors. Sustainable fisheries: multi-level approaches to a global problem. American Fisheries Society, Bethesda, Maryland.
29. *Lynch, P.D., M.J. Brush, and **R.J. Latour**. 2011. Simulated short-term impacts of the Atlantic menhaden reduction fishery on Chesapeake Bay water quality. North American Journal of Fisheries Management 31:70-78.
28. Frisk, M.G., T.J. Miller, **R.J. Latour**, and S.J.D. Martell. 2011. Assessing biomass gains from marsh restoration in Delaware Bay using Ecopath with Ecosim. Ecological Modeling 222:190-200.
27. Gauthier, D.T., K.S. Reece, J. Xiao, M.W. Rhodes, H.I. Kator, **R.J. Latour**, C.F. Bonzek, J.M. Hoenig, and W.K. Vogelbein. 2010. Quantitative PCR assay for *Mycobacterium pseudoshottsii* and *Mycobacterium shottsii* and application to environmental samples and fishes from Chesapeake Bay, USA. Applied and Environmental Microbiology 76:6171-6179.
26. Garrison, L.P., J.S. Link, D.P. Kilduff, M.D. Cieri, B. Muffley, D. Vaughan, A. Sharov, B. Mahmoudi, and **R.J. Latour**. 2010. An expansion of the MSVPA approach for quantifying predator-prey interactions in exploited fish communities. ICES Journal of Marine Science 67:856-870.
25. *Horodysky, A.Z., R.W. Brill, E.J. Warrent, J.A. Musick, and **R.J. Latour**. 2010. Comparative visual function in four piscivorous fishes inhabiting Chesapeake Bay. Journal of Experimental Biology 213:1751-1761.
24. *Buchheister, A. and **R.J. Latour**. 2010. Turnover rates and fractionations of $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ in tissues of a migratory coastal predator, summer flounder (*Paralichthys dentatus*). Canadian Journal of Fisheries and Aquatic Sciences 67:445-461.
23. *Lynch, P.D., M.J. Brush, E.D. Condon, and **R.J. Latour**. 2010. Net removal of nitrogen through ingestion of phytoplankton by Atlantic menhaden (*Brevoortia tyrannus*) in Chesapeake Bay. Marine Ecological Progress Series 401:195-209.
22. Graves, J.E., *A.Z. Horodysky, and **R.J. Latour**. 2009. Use of pop-up satellite archival tag technology to study postrelease survival of and habitat utilization by estuarine and coastal fishes: an application to striped bass (*Morone saxatilis*). Fishery Bulletin 107:373-383.
21. †Hoffman, J.C., C.F. Bonzek, and **R.J. Latour**. 2009. Estimation of bottom trawl catch efficiency for two demersal fishes, the

- Atlantic croaker and white perch, in Chesapeake Bay. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 1:255-269.
20. *Horodysky, A.Z., R.W. Brill, E.J. Warrent, J.A. Musick, and **R.J. Latour**. 2008. Comparative visual function in five sciaenid fishes inhabiting Chesapeake Bay. *Journal of Experimental Biology* 211:3601-3612.
 19. Gauthier, D.T., **R.J. Latour**, D. Heisey, C.F. Bonzek, J. Gartland, E.J. Burge, W.K. Vogelbein. 2008. Mycobacteriosis is associated with mortality in wild striped bass (*Morone saxatilis*) from Chesapeake Bay, USA. *Ecological Applications* 18:1718-1727.
 18. *Horodysky, A.Z., R.W. Brill, M.L. Fine, J.A. Musick, and **R.J. Latour**. 2008. Acoustic pressure and particle motion thresholds in six sciaenid fishes. *Journal of Experimental Biology* 211:1504-1511.
 17. Hoenig, J.M., **R.J. Latour**, and J.E. Olney. 2008. Estimating stock composition of American shad in Virginia using mark-recovery data. *North American Journal of Fisheries Management* 28:507-515.
 16. **Latour, R.J.**, J. Gartland, C.F. Bonzek, and R.A. Johnson. 2008. The trophic dynamics of summer flounder (*Paralichthys dentatus*) in Chesapeake Bay. *Fishery Bulletin* 106:47-57.
 15. †Horodysky, A.Z., D.W. Kerstetter, **R.J. Latour**, and J.E. Graves. 2007. Habitat utilization and vertical movements of white marlin (*Tetrapturus albidus*) released from commercial and recreational fishing gears in the western North Atlantic Ocean: inferences from short-duration pop-up archival satellite tags (PSATs). *Fisheries Oceanography* 16:240-256.
 14. †Jiang, H., K.H. Pollock, C. Brownie, J.M. Hoenig, **R.J. Latour**, B.K. Wells, and J.E. Hightower. 2007. Tag return models for catch-and-release fisheries: striped bass natural mortality estimates change with age and calendar year. *North American Journal of Fisheries Management* 27:387-396.
 13. Olney, J.E., **R.J. Latour**, B.E. Watkins, and D.G. Clarke. 2006. Migratory behavior of American shad (*Alosa sapidissima*) in the York River, Virginia with implications for estimating in-river exploitation from tag-recovery data. *Transactions of the American Fisheries Society* 135:889-896.
 12. Gartland, J., **R.J. Latour**, A.D. Halvorson, and H.M. Austin. 2006. Diet composition of young-of-the-year bluefish (*Pomatomus saltatrix*) in the lower Chesapeake Bay and the coastal ocean of Virginia. *Transactions of the American Fisheries Society* 135:371-378.
 11. Lipcius, R.M. and **R.J. Latour**. 2006. Food web interactions

- and modeling. Pages 103-144 in Chesapeake Bay Fisheries Ecosystem Advisory Panel (National Oceanic and Atmospheric Administration Chesapeake Bay Office). Fisheries ecosystem planning for Chesapeake Bay. American Fisheries Society, Trends in Fisheries Science and Management 3, Bethesda, Maryland.
10. †Goldman, K.J., S.D. Anderson, **R.J. Latour**, and J.A. Musick. 2004. Homeothermy in adult salmon sharks, *Lamna ditropis*. *Environmental Biology of Fishes* 71:403-411.
 9. Simpfendorfer, C.A., R. Bonfil, and **R.J. Latour**. 2004. Mortality estimation. *In* Elasmobranch Fisheries Management Techniques. J.A. Musick and R. Bonfil (eds.). Joint publication between the Asia-Pacific Economic Cooperation (APEC), International Union for the Protection of Nature (IUCN), and the Virginia Institute of Marine Science (VIMS).
 8. **Latour, R.J.** 2004. Tagging methods and associated data analysis. *In* Elasmobranch Fisheries Management Techniques. J.A. Musick and R. Bonfil (eds.). Joint publication between the Asia-Pacific Economic Cooperation (APEC), International Union for the Protection of Nature (IUCN), and the Virginia Institute of Marine Science (VIMS).
 7. **Latour, R.J.**, J.M. Hoenig, D.A. Hepworth, and S.D. Frusher. 2003. A novel tag-recovery model with two size classes for estimating fishing and natural mortality, with implications for the southern rock lobster (*Jasus edwardsii*) in Tasmania, Australia. *ICES Journal of Marine Science* 60:1075-1085.
 6. **Latour, R.J.**, M.J. Brush, and C.F. Bonzek. 2003. Toward ecosystem-based fisheries management: strategies for multispecies modeling and associated data requirements. *Fisheries* 28:10-22.
 5. Welsh, S.A., A. Kahnle, B. Versak, and **R.J. Latour**. 2003. Use of tag data to compare growth rates of Atlantic Coast striped bass. *Fisheries Management and Ecology* 10:289-294.
 4. **Latour, R.J.**, J.M. Hoenig, and K.H. Pollock. 2002. Properties of the residuals from two tag-recovery models. *Fishery Bulletin* 100:856-860.
 3. **Latour, R.J.**, K.H. Pollock, C.A. Wenner, and J.M. Hoenig. 2001. Estimates of instantaneous rates of fishing and natural mortality for red drum in South Carolina waters. *North American Journal of Fisheries Management* 21:733-744.
 2. **Latour, R.J.**, J.M. Hoenig, J.E. Olney, and K.H. Pollock. 2001. Diagnostics for multiyear tagging models with application to Atlantic striped bass (*Morone saxatilis*). *Canadian Journal of Fisheries and Aquatic Sciences* 58:1716-1726.
 1. **Latour, R.J.**, J.M. Hoenig, J.E. Olney, and K.H. Pollock. 2001.

A simple test for nonmixing in multiyear tagging studies: application to striped bass tagged in the Rappahannock River, Virginia. *Transactions of the American Fisheries Society* 130:848-856.

Other publications

* Indicates my graduate student; † Indicates graduate student collaboration

24. Carlson, J., N. Hammerschlag, and **R.J. Latour**. 2021. Standardized abundance index for great hammerhead from the Rosenstiel School of Marine and Atmospheric Science Drumline Survey. SEDAR77-DW15. SEDAR, North Charleston, SC.
23. SEDAR. 2020. SEDAR 69 - Benchmark stock assessment report Atlantic Menhaden. SEDAR, North Charleston SC.
22. SEDAR. 2020. SEDAR 65 - HMS Atlantic blacktip shark stock assessment report. SEDAR, North Charleston SC.
21. **Latour, R.J.** and C.D. Peterson. 2020. Reconciling indices of relative abundance of the Atlantic blacktip shark (emph*Carcharhinus limbatus*). SEDAR 65-AW03. SEDAR, North Charleston, SC.
20. **Latour, R.J.**, C.F. Bonzek, and J. Gartland. 2019. Size composition and indices of relative abundance of the Atlantic blacktip shark (*Carcharhinus limbatus*) in coastal Virginia waters. SEDAR 65-DW05. SEDAR, North Charleston, SC.
19. †Crear, D., K. Weng, **R.J. Latour**, R. Brill, and M. Friedrichs. 2018. Predicting the distribution of cobia, *Rachycentron canadum*, seasonally, for mid-century, and for the end-of-century. SEDAR 58-SID-01. SEDAR, North Charleston, SC.
18. Atlantic States Marine Fisheries Commission (ASMFC). 2017. The 2017 Atlantic Menhaden Stock Assessment Update.
17. SEDAR. 2015. SEDAR 40 - Atlantic Menhaden Stock Assessment Report. SEDAR, North Charleston SC.
16. SEDAR. 2014. SEDAR 39 - HMS Gulf of Mexico smoothhound sharks, Section III: Assessment Workshop Report. SEDAR, North Charleston, SC.
15. SEDAR. 2014. SEDAR 39 - HMS Gulf of Mexico smoothhound sharks, Section II: Data Workshop Report. SEDAR, North Charleston, SC.
14. SEDAR. 2014. SEDAR 39 - HMS Atlantic smooth dogfish shark, Section III: Assessment Workshop Report. SEDAR, North Charleston, SC.
13. SEDAR. 2014. SEDAR 39 - HMS Atlantic smooth dogfish shark, Section II: Data Workshop Report. SEDAR, North Charleston, SC.

12. Hoffmayer, E.R., W.B. Driggers, R.D. Grubbs, M.M. Giresi, J. Gelsleichter, and **Latour, R.J.**. 2014. Length/weight relationships and life history data for *Mustelus canis* off of the Atlantic coast of the U.S. SEDAR39-DW31. SEDAR, North Charleston, SC.
11. **Latour, R.J.**, C.F. Bonzek, and J. Gartland. 2014. Size composition and indices of relative abundance of the smooth dogfish (*Mustelus canis*) in the near shore Atlantic Ocean. SEDAR39-DW30. SEDAR, North Charleston, SC.
10. SEDAR. 2013. SEDAR 34 - HMS Bonnethead shark, Section II: Assessment Workshop Report. SEDAR, North Charleston, SC.
9. SEDAR. 2013. SEDAR 34 HMS - HMS Atlantic sharpnose shark, Section II: Assessment Workshop Report. SEDAR, North Charleston, SC.
8. **Latour, R.J.**, C.F. Bonzek, and J. Gartland. 2013. Size composition and indices of relative abundance of the Atlantic sharpnose shark (*Rhizoprionodon terraenovae*) in coastal Virginia waters. SEDAR34-DW24. SEDAR, North Charleston, SC.
7. Atlantic States Marine Fisheries Commission (ASMFC). 2012. The 2012 Atlantic Menhaden Stock Assessment Update.
6. *Lynch, P.D., K.W. Shertzer, and **R.J. Latour**. 2012. An evaluation of methods for standardizing catch rates of highly migratory by-catch species. Collective Volume Scientific Papers, ICCAT, 68(4):1498-1509.
5. Hilton, E.J., G.D. Johnson, E.D. Houde, and **R.J. Latour**. 2011. Obituary, John Edward Olney, Sr. (1947-2010). Copeia 2011:332-341.
4. Atlantic States Marine Fisheries Commission (ASMFC). 2011. The 2010 Atlantic Menhaden Stock Assessment and Review Panel Reports. ASMFC Stock Assessment Report No. 10-02.
3. Christensen, V., A. Beattie, C. Buchanan, H. Ma, S.J.D. Martell, **R.J. Latour**, D. Preikshot, M.B. Sigrist, J.H. Uphoff, C.J. Walters, R.J. Wood, and H. Townsend. 2009. Fisheries Ecosystem Model of the Chesapeake Bay: Methodology, Parameterization and Model Explanation. U.S. Dep. Commerce, NOAA Tech. Memo. NMFS-F/SPO-106, 146 p.
2. Kilduff, P., J. Carmichael, and **R.J. Latour**. 2009. Guide to Fisheries Science and Stock Assessment. Publication of the Atlantic States Marine Fisheries Commission.
1. Bonzek, C.F., E.D. Houde, S. Giordano, **R.J. Latour**, T.J. Miller, and K.G. Sellner. 2007. Baywide and Coordinated Chesapeake Bay Fish Stock Monitoring. CRC Publication 07-163, Edgewater, MD. 70 p.

Grants

* Indicates student involvement in development and/or execution of award

Ongoing field & lab programs:

Aug 2005 - Jun 2024. Atlantic States Marine Fisheries Commission, Mid-Atlantic Fishery Management Council, Northeast Fisheries Science Center, Commercial Fisheries Research Foundation. Data collection and analysis in support of multispecies stock assessments in the mid-Atlantic: Northeast Area Monitoring and Assessment Program Nearshore Trawl Program (NEAMAP). \$18,324,714. Lead PI in three investigator project.

Apr 2005 - Mar 2024. U.S. Fish and Wildlife Service, Virginia Marine Resources Commission. Data collection and analysis in support of single and multispecies stock assessments in Chesapeake Bay: the Chesapeake Bay multispecies monitoring and assessment program (ChesMMAP). \$8,533,559. Lead PI in three investigator project.

Jul 2020 - Jun 2024. Atlantic States Marine Fisheries Commission. Virginia Shark Monitoring and Assessment Program (VASMMap). \$506,665. Lead PI in multi-investigator project.

Dec 2017 - Nov 2024. U.S. Fish and Wildlife Service, Virginia Marine Resources Commission. Evaluation of striped bass stocks in Virginia: tagging and monitoring studies. \$1,451,413. Lead PI in three investigator project.

Other projects:

Jul 2023 - Jun 2025. National Oceanic and Atmospheric Administration, CINAR. Development and testing of a length-based assessment model for U.S. each coast longfin squid. Project with University of Maryland, Center for Environmental Science. VIMS portion \$56,874. Co-PI on two investigator project.

Apr 2023 - Mar 2027. National Oceanic and Atmospheric Administration. A whole system restoration of seagrass, bay scallops, and associated ecosystem functions in the coastal lagoons of Virginia's northern Eastern Shore. Virginia Coastal Zone Management Program on behalf of VIMS. \$2,259,633. Co-PI on five investigator project.

Jan 2023 - Dec 2024. Influence of selective breeding on human pathogenic *Vibrio* spp. in eastern oysters. \$299,718. Co-PI in seven investigator project.

Sep 2020 - Jul 2024. NOAA Chesapeake Bay Office, CINAR. Population modeling to explore effects of the environment on Chesapeake Bay

species. Project with University of Maryland, Center for Environmental Science. \$372,652, (VIMS portion \$114,841).

Aug 2021 - Jul 2022. NOAA Chesapeake Bay Office. Summer flounder habitat availability in Chesapeake Bay. \$35,000. Co-PI in four investigator project.

*Sep 2018 - Aug 2021. National Oceanic and Atmospheric Administration. Habitat utilization and ecosystem connectivity in the southern Mid-Atlantic Bight. \$89,855. Co-PI in two investigator project.

*Jun 2017 - May 2020. National Marine Fisheries Service and Sea Grant Population Dynamics Graduate Fellowship Program. Management strategy evaluation of highly migratory coastal sharks. \$114,999. Co-PI in two investigator project.

Jun 2010 - May 2020. National Marine Fisheries Service. Virginia Shark Monitoring and Assessment Program (VASMAR). \$1,031,950. Joint lead PI on three-investigator project.

*Aug 2016 - Jul 2019. National Oceanic and Atmospheric Administration (FATE). Incorporating climate into distribution and abundance indices for stock assessment: looking into the past and planning for the future. \$80,493. First 9 months, co-PI in four investigator project; remaining 15 months, lead PI.

Aug 2018 - Jul 2019. University of Southern Mississippi. Reproductive biology and fecundity of Atlantic menhaden. \$26,362. Co-PI in two investigator project.

*Jun 2014 - May 2018. National Marine Fisheries Service and Sea Grant Population Dynamics Graduate Fellowship Program. Ecosystem drivers of the U.S. south Atlantic coastal fish stock abundances. \$96,249. Co-PI in two investigator project.

Feb 2010 - Jan 2018. U.S. Fish and Wildlife Service, Virginia Marine Resources Commission. Monitoring relative abundance of American shad and river herring in Virginia's rivers. \$2,661,295. Co-PI in two investigator project.

Mar 2016 - Oct 2017. Chesapeake Bay Trust, subcontract with Chesapeake Biological Laboratory. Drivers of forage population trends and consumption patterns: Environmental, spatial and temporal patterns in Chesapeake Bay forage population distributions and predator consumption. \$10,000, PI.

Sep 2014 - Aug 2016. Virginia Environmental Endowment. Climate change and the fisheries food web in the Chesapeake Bay and coastal Atlantic Ocean. \$87,000. Lead PI on multi-investigator project.

- *Jan 2014 - Jun 2015. Recreational and Commercial Fisheries Advisory Board of the Virginia Marine Resources Commission. Patterns in prey selectivity of key sportfishes in Chesapeake Bay. \$38,446. Lead PI.
- Apr 2013 - Dec 2013. Atlantic States Marine Fisheries Commission. Establishment of an aging center in support of fishery-dependent sampling in the Mid-Atlantic Bight and Southern New England. \$60,962. Joint lead PI on three-investigator project.
- *Jun 2012 - May 2014. Virginia Sea Grant. Ecosystem analysis of nearshore U.S. east coast fisheries \$77,654. Co-PI two-investigator project.
- *Jan 2012 - Dec 2012. Recreational and Commercial Fisheries Advisory Board of the Virginia Marine Resources Commission. Survey design for adult Atlantic menhaden along the U.S. east coast. \$55,373. Lead PI on multi-investigator project.
- Sep 2011 - Aug 2014. NOAA Chesapeake Bay Office. Estimating population size and survival rates of blue catfish in Chesapeake Bay tributaries. \$176,223. Co-PI on multi-investigator project.
- *Aug 2011 - Jul 2012. NOAA Chesapeake Bay Office. Characterizing the growth dynamics of blue catfish in the Chesapeake Bay watershed. \$45,649. Lead PI on multi-investigator project.
- *Aug 2010 - Jul 2011. Virginia Sea Grant. Food web structure in Chesapeake Bay and environmental effects on fish diets: supporting ecosystem-based approaches to fisheries management. \$40,508. Co-PI on two-investigator project.
- *Aug 2010 - Jul 2013. National Science Foundation. CAMEO: Collaborative Research: Patterns of connectivity in northwest Atlantic fishery ecosystem. \$117,612 VIMS portion. Co-PI on multi-investigator project.
- *Jan 2010 - Dec 2011. Recreational and Commercial Fisheries Advisory Board of the Virginia Marine Resources Commission. Connecting productivity in eelgrass beds to recreationally important finfishes in Chesapeake Bay: forage fishes as trophic conduits. \$58,329. Co-PI on multi-investigator project (student lead PI).
- *Jun 2009 - May 2012. National Marine Fisheries Service and Sea Grant Population Dynamics Graduate Fellowship Program. Expanding quantitative approaches to assessing the population status and dynamics of large pelagic fishes. \$96,249. Co-PI on two-investigator project.
- *Jan 2008 - Dec 2008. Recreational and Commercial Fisheries Advisory Board of the Virginia Marine Resources Commission. Pilot study:

Application of Pop-Up Satellite Archival tags (PSATs) to assess the postrelease survival, habitat utilization and short term movement of striped bass in Virginia's winter recreational fishery. \$71,371. Co-PI on multi-investigator project.

*Jan 2007 - Dec 2007. Recreational and Commercial Fisheries Advisory Board of the Virginia Marine Resources Commission. A genetic assessment of the potential for local depletion of Atlantic menhaden (*Brevoortia tyrannus*) within Chesapeake Bay. \$48,620. Co-PI on multi-investigator project.

*Jul 2006 - Jun 2008. Recreational and Commercial Fisheries Advisory Board of the Virginia Marine Resources Commission. Visual function in Chesapeake Bay sport and prey fishes: summer flounder, bluefish, cobia, and Atlantic menhaden. \$94,568. Co-PI on multi-investigator project (student lead PI).

*Jul 2006 - Dec 2007. Recreational and Commercial Fisheries Advisory Board of the Virginia Marine Resources Commission. Towards validation of juvenile indices of abundance for several fish species in Chesapeake Bay. \$60,916. Lead PI on multi-investigator project.

*Jul 2005 - Jun 2008. U.S. Environmental Protection Agency Chesapeake Bay Program. Modeling Atlantic menhaden in support of nutrient and multispecies management. \$256,699. Co-PI on multi-investigator project.

*Jul 2005 - Jun 2006. Recreational Fisheries Advisory Board of the Virginia Marine Resources Commission. Visual function in Chesapeake Bay sportfishes: striped bass, weakfish, spotted seatrout, Atlantic croaker, spot, and red drum. \$54,818. Co-PI on multi-investigator project.

Oct 2005 - Sep 2007. Atlantic States Marine Fisheries Commission. Evaluating the use of airborne Light Detection and Ranging (LIDAR) and hydroacoustics for estimating the abundance and distribution of Atlantic menhaden in Chesapeake Bay. \$312,570. Co-PI on multi-investigator project.

*Oct 2005 - Sep 2006. Virginia Cooperative Marine Education and Research Program. Energy density of common prey species of recreationally and commercially important marine fishes in Chesapeake Bay. \$33,625. Co-PI on multi-investigator project.

May 2005 - Apr 2006. National Marine Fisheries Service. Age- and time-specific estimates of fishing and natural mortality for striped bass. \$34,635 Co-PI on multi-investigator project.

- Jan 2005 - Dec 2005. Recreational Fisheries Advisory Board of the Virginia Marine Resources Commission. The value of seagrass habitats to the ecosystem in Chesapeake Bay. \$58,221. Lead PI on multi-investigator project.
- Jul 2004 - Jun 2006. Virginia Environmental Endowment. Multispecies data collection and modeling in support of ecosystem-based fisheries management in Chesapeake Bay. \$195,000. Lead PI on multi-investigator project.
- *Dec 2003 - Nov 2004. Multispecies based approaches to fisheries management: the ecological role of Atlantic menhaden in Chesapeake Bay. The Keith Campbell Foundation for the Environment, Inc. \$25,000. Lead PI on multi-investigator project.
- Oct 2003 - Sep 2005. NOAA Chesapeake Bay Stock Assessment Committee. Natural mortality of juvenile blue crabs: quantifying predation impacts by finfish in lower Chesapeake Bay seagrass beds. \$165,381. Co-PI on multi-investigator project.
- Jun 2003 - Aug 2006. Recreational Fisheries Advisory Board of the Virginia Marine Resources Commission. Establishment of a Chesapeake Bay trophic interaction laboratory services program. \$277,475. Co-PI on multi-investigator project.
- Oct 2002 - Dec 2006. NOAA Chesapeake Bay Office. Design and implementation of a Chesapeake Bay multispecies monitoring and assessment program (ChesMMAP). \$1,129,000. Joint lead PI on two-investigator project.
- Oct 2002 - Sep 2003. NOAA/NMFS Institute of Marine and Coastal Sciences at Rutgers University. Age-specific trophic interactions of bluefish (*Pomatomus saltatrix*) in the mainstem Chesapeake Bay. \$10,000. Lead PI on multi-investigator project.
- Jul 2001 - Jun 2003. Virginia Environmental Endowment. Development of a multispecies tropho-dynamic model in support of sustainable fisheries management in Chesapeake Bay \$639,092. Lead PI on multi-investigator project.
- Jun 2000 - Aug 2001. Recreational Fisheries Advisory Board of the Virginia Marine Resources Commission. Using tag-recovery data to estimate migration rates of striped bass (*Morone saxatilis*) spawned on the Chesapeake Bay. \$25,638. Lead PI on multi-investigator project.

Program staff

Current staff members:

James Gartland, Associate Research Scientist, 2002-present

Gina Ralph, Assistant Research Scientist, 2022 - present

Jameson Gregg, Marine Scientist II, 2008-present

Debra Gauthier, Marine Scientist I, 2003-present

Melanie Chattin, Laboratory & Research Specialist II, 2005-present

Gregg Mears, Laboratory & Research Specialist II, 2011-present

Cameron Ward, Laboratory & Research Specialist II, 2012-present

Lydia Jenner, Laboratory & Research Specialist II, 2017-present

Charles Jordan, Laboratory & Research Specialist I, 2019-present

Zachary Enck, Laboratory & Research Specialist I, 2019-present

Sam Ruth, Laboratory & Research Specialist I, 2020-present

Natalia Renfrew, Laboratory & Research Specialist I, 2023-present

Ethan Sojak, Laboratory & Research Specialist I, 2023-present

Adam Kasun, Laboratory & Research Specialist I, 2024 - present

Jasmine Whelan, Laboratory & Research Specialist I, 2024 - present

Past staff members:

Chris Bonzek, Fisheries Data Analyst, 2014-2024

Brandon Plunkett, Laboratory & Research Specialist I, 2020-2023

Dustin Gregg, Marine Scientist I, 2012-2023

Matt Farnham, Laboratory & Research Specialist I, 2017-2023

Rebecca Hailey, Laboratory & Research Specialist II, 2015-2019

Blake Hamilton, Laboratory & Research Specialist II, 2018-2019

Jeffrey Eckert, Marine Scientist I, 2012-2018

Taylor Moore, Laboratory & Research Specialist II, 2015-2018

Stéphane Thanassekos, Assistant Research Scientist, 2014-2018

Ben Davis, Laboratory & Research Specialist II, 2013-2016

Evan McOmber, Laboratory & Research Specialist II, 2007-2014

Kevin Spanik, Laboratory & Research Specialist II, 2008-2013

Adam Boddicker, Laboratory & Research Specialist II, 2011

David Lange, Marine Scientist II, 2007-2011

Stefanie Dukes, Laboratory & Research Specialist II, 2007-2009

RaeMarie Johnson, Marine Scientist II, 2004-2010

Patrick Lynch, Laboratory & Research Specialist I, 2003-2004

Aimee Halvorson, Laboratory & Research Specialist I, 2002-2003

Eric Brasseur, Laboratory & Research Specialist II, 2002-2008

Teaching summary

Fall 2005 - 2009, 2011, 2014, 2016, 2018, 2020, 2022. Spring 2013. MSCI 671. Fisheries Population Dynamics, SMS/VIMS, Instructor.

Spring 2009 - 2012, 2019. Fall 2017. MSCI 504. Fundamentals of Statistical Methods and Data Analysis, SMS/VIMS, Instructor.

Jan 2015, 2016 Fishery Science 100 Module, Marine Resource Education Program, Gulf of Maine Research Institute, 3-day workshop, Co-Instructor

Spring 2008. MSCI 698. Advanced Fisheries Population Dynamics, Independent study, SMS/VIMS, Instructor.

Fall 2004 - 2007. MSCI 528. Marine Fisheries Science, SMS/VIMS, Co-Instructor.

Spring 2003, 2007, 2008, 2010. MSCI 649. Modeling Biological and Ecological Systems, SMS/VIMS, Co-Instructor.

Aug 2006. Fisheries Tagging Studies: Theory, Design and Applications, ASMFC 5-day workshop, Co-Instructor.

Fall 2000, 2002 - 2003. MSCI 528. Marine Fisheries Science, SMS/VIMS, Lecturer.

Jun 2003. MSCI 548. Marine Fisheries Science and Management: A Professional Development Course for Secondary Science Teachers, 1-week summer course, Lecturer.

Jun 2000. FIS4104. Tag Return Models for Fisheries Research, U.S. Fish Wildlife Service National Conservation Training Center, 3-day workshop, Co-Instructor.

Spring 2000. MSCI 698. Modeling Biological Systems, SMS/VIMS, Instructor.

Spring, Fall 1998, Spring 1999. MA 112. A Survey of Mathematics, Durham CAPE Program, Shaw University, Instructor.

Student advising

Current students:

Kaitlyn O'Brien, Ph.D. program

Rebecca Taylor, Ph.D. program

Emily Echevarria, Ph.D. program

Caroline DeVries, M.S. program

Amanda Salmoiraghi (co-advisor), M.S. program

Ally Gravgaard, M.S. program

Olivia Hernandez (co-advisor), M.S. program

Shyane Masters (co-advisor), M.S. program

Lab alumni:

James Gartland

-Ph.D., 2024. Dissertation: Linking fish community dynamics and trophic interactions with ecological processes on the northeast U.S. continental shelf.

Adena J. Schonfeld

-Ph.D., 2023. Dissertation: Climate impacts on spatiotemporal habitat usage of Mid-Atlantic fishes.

Cassidy D. Peterson

-Ph.D., 2021. Dissertation: Improving observation, assessment, and management of coastal sharks.

-M.S., 2016. Thesis: Patterns of abundance and community dynamics in Atlantic coastal sharks.

Christopher J. Sweetman

-Ph.D., 2018. Dissertation: Consumption patterns of Chesapeake Bay fishes.

-M.S., 2012 (co-advisor) Thesis: Distribution and feeding ecology of *Bathylagus euryops* (Teleostei: Microstomatidae) along the northern mid-Atlantic ridge, from Iceland to the Azores.

Zoemma Warshafsky (co-advisor)

-M.S., 2017. Thesis: The impact of the parasitic nematode *Anguillicoloides crassus* on Chesapeake Bay American eels (*Anguilla rostrata*).

Mark Stratton

-Ph.D., 2017. Dissertation: Spatiotemporal abundance patterns and ecological drivers of a nearshore U.S. Atlantic fish and invertebrate assemblage.

Kristene T. Parsons

-Ph.D., 2017. Dissertation: Age, growth and reproduction of western north Atlantic butterfly rays (Myliobatiformes: Gymnuridae), with the description of two new species.

Carissa L. Gervasi

-M.S., 2015. Thesis: Reproductive biology of striped bass.

Kathryn Sobocinski (co-advisor)

-Ph.D., 2014. Dissertation: Fishes in seagrass habitats: species composition, trophic interactions, and production.

Andre Buchheister

-Ph.D., 2013. Dissertation: Structure, drivers, and trophic interactions of the demersal fish community in Chesapeake Bay.

-M.S., 2008. Thesis: Stable isotope dynamics in summer flounder tissues, with application to dietary assessments in Chesapeake Bay.

Patrick D. Lynch

-Ph.D., 2012. Dissertation: Habitat and fish population dynamics: Advancing stock assessments of highly migratory species.

-M.S., 2007. Thesis: Feeding ecology of Atlantic menhaden (*Brevoortia tyrannus*) in Chesapeake Bay.

Catarina Wor Lima (co-advisor)

-M.S., 2012. Thesis: Impacts of stock structure uncertainty in stock assessment derived management benchmarks.

Andrij Horodysky (co-advisor)

-Ph.D., 2009. Dissertation: Comparative sensory and energetic ecology of sciaenid fishes and their competitors in Chesapeake Bay, VA.

Justine Woodward (co-advisor)

-M.S., 2009. Thesis: Investigating the relationships between recruitment indices and estimates of adult abundance for striped bass, weakfish, and Atlantic croaker.

Kathleen A. McNamee

-M.S., 2007. Thesis: The growth and trophic ecology of striped bass (*Morone saxatilis*) in Chesapeake Bay, with reference to mycobacteriosis.

Student committees

Current Ph.D.: Shannon Smith (VIMS); Rachel Dixon (VIMS); Paul Clerkin (VIMS); Mickie Edwards (VIMS); Samara Nehemiah (Chesapeake Biological Laboratory, University of Maryland)

Current M.S.: Maya Drzewicki (Chesapeake Biological Laboratory, University of Maryland)

Past Ph.D.: Shelby White (2023, VIMS); Dan Crear (2020, VIMS); Adela Roa-Varon (2018, VIMS); Ryan Schloesser (2015, VIMS); Alison Deary (2015, VIMS); Jonathan Lefcheck (2015, VIMS); Allison Colden (2014, VIMS); Matthew Balazik (2012, Virginia Commonwealth University); Mark Henderson (2012, VIMS); William Connelly (2011, Chesapeake Biological Laboratory, University of Maryland); Chris Prosser (2011, VIMS); Michael Larkin (2011, RSMAS, University of Miami); Patrick McGrath (2010, VIMS); Jason Romine (2008, VIMS); Daniel Ha (2006, VIMS); Christian Hager (2004, VIMS)

Past M.S.: Lauren Alvaro (2023, VIMS); Olivia Phillips (2019, VIMS); Bruce Pfirrmann (2017, VIMS); Cindy Marin-Martinez (2016, VIMS); Jami Ivory (2015, VIMS); Nicole Marshall (2015, VIMS), Lela Schlenker (2014, VIMS), Jeanna Hudson (2012, VIMS), Carolina Funkey (2011, VIMS); Matthew Wahlan (2011, VIMS); Heather Wiseman (2010, VIMS); Daniel Dutton (2010, VIMS); Branson Williams (2010, VIMS); William Tarantino (2008, VIMS); Sally Upton (2008, VIMS); Abigail Lynch (2008, VIMS); Aaron Aunins (2006, VIMS); Debra Lambert (2005, VIMS); Patrick McGrath (2005, VIMS); Jason Romine (2004, VIMS); Reid Hyle (2004, VIMS)

Manuscript peer review

Frontiers in Marine Science; Fisheries Research; Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science; Journal of Fish Biology; Estuaries & Coasts; Transactions of the American Fisheries

Society; North American Journal of Fisheries Management; Marine Ecological Progress Series; Journal of Northwest Atlantic Fishery Science; Canadian Journal of Fisheries and Aquatic Sciences; Journal of Environmental Management; Fishery Bulletin; New Zealand Journal of Marine and Freshwater Research, Environmental Biology of Fishes

Proposal peer review

Partnership for Enhanced Engagement Research (PEER), U.S. National Academies of Sciences, Engineering, and Medicine; National Science Foundation; Texas Sea Grant; North Carolina Sea Grant; Florida Sea Grant; NOAA Fisheries and Rutgers Bluefish Along the Atlantic Coast Research Program; Virginia Marine Resources Commission; Virginia Environmental Endowment; Atlantic States Marine Fisheries Commission; Mid-Atlantic Fishery Management Council

Advisory service

Member, NMFS Advisory Panel for Atlantic Highly Migratory Species (SEDAR Pool), 2012 - present

Member, MAFMC, Scientific and Statistical Committee, 2008 - present

Member, ASMFC Atlantic Menhaden Technical Committee, 2006 - 2020
Stock Assessment Subcommittee May 2007 - 2020
Chairman, May 2009 - May 2011
Vice-chairman, May 2008 - May 2009

Chairman, 66th Northeast Regional Stock Assessment Review Committee (SARC 66), Nov 2018, NEFSC

Member, Organizing Committee, Virginia Academy of Science, Engineering, and Medicine Annual Summit, 2018

Invited Expert, Briefing for Virginia House Committee on Agriculture, Chesapeake, and Natural Resources, 2018

Associate Editor, Estuaries & Coasts, 2012 - 2014

Chairman, 58th Northeast Regional Stock Assessment Review Committee (SARC 58), Jan 2014, NEFSC

Invited Expert, Panel discussion of management of forage fishes, MAFMC, Apr 2013

Invited Expert, Briefing for the ad-hoc committee to evaluate the status of Atlantic menhaden, Virginia General Assembly, 2011

Chairman, 49th Northeast Regional Stock Assessment Review Committee (SARC 49), Dec 2009, NEFSC

Member, external panel to review the NEFSC Foodweb Dynamics Program, Jul 2009, NEFSC

Invited Expert, ASMFC American Shad Technical Committee, Jun 2006

Invited Expert, Briefing for the Virginia Senate Committee on Agriculture, Conservation and Natural Resources, Nov 2006

Member, VIMS panel to advise Virginia Marine Resources Commission on permitting for King William Reservoir, 2004

Member, ASMFC Assessment Science Committee, 2003 - 2008

Member, ASMFC Multispecies Technical Committee, 2002 - 2012
MSVPA Subcommittee, 2005 - 2012

Member, Chesapeake Bay Ecosystem Modeling Advisory Panel, 2001 - 2007

Invited Expert, ASMFC Striped Bass Tagging Subcommittee, 2000 - 2004, 2012

Poster presentations

* indicates my graduate student; † Indicates graduate student collaboration

*Schonfeld, A.J., J. Gartland, and **R.J. Latour**. Quantifying habitat of fishes in Chesapeake Bay. 25th Biennial Conference of the Coastal Estuarine Research Federation, Mobile, AL. November 2019.

*Parsons K.T., J.R. McDowell, H.L Brightman, E.H. Hilton, and **R.J. Latour**. Two new species of butterfly ray (Myliobatiformes: Gymnuridae) from the U.S. Atlantic and Gulf of Mexico coasts. 33rd Annual Meeting of the American Elasmobranch Society (AES), Austin, TX. July 2017.

†Ivory, J.A., D.K. Steinberg, and **R.J. Latour**. Diel, seasonal, and inter-annual variability in abundance of major mesozooplankton taxa in the Sargasso Sea as related to changing environmental parameters. Ocean Sciences, New Orleans, LA. February 2016

*Lynch, P.D. and **R.J. Latour**. Stock assessments of highly migratory species: coping with the lack of independent scientific monitoring. The World Conference on Stock Assessment Methods of Sustainable Fisheries, Boston, MA. July 2013

*Lynch, P.D., M.J. Brush and **R.J. Latour**. Simulated short-term impacts of the Atlantic menhaden reduction fishery on Chesapeake Bay water quality. 25th Annual Meeting of the Tidewater Chapter of the American Fisheries Society, Gloucester Point, VA. March 2011.

*Lynch, P.D., M.J. Brush and **R.J. Latour**. Simulated short-term impacts of the Atlantic menhaden reduction fishery on Chesapeake Bay water quality. Virginia Council of Graduate Schools, Sixth Annual Graduate Research Forum, Richmond, VA. February 2011.

*Buchheister, A. and **R.J. Latour**. Examining assumptions often made in stable isotope analyses: an example using a migratory estuarine fish. 137th Annual Meeting of the American Fisheries Society in San Francisco, CA. September 2007.

Parthree, D.J., C.F. Bonzek, J. Gartland, *A.Z. Horodysky, and **R.J. Latour**. Factors affecting the diet of Atlantic croaker (*Micropogonias undulatus*) in Chesapeake Bay, USA, 2004-2005. 136th Annual Meeting of the American Fisheries Society in Lake Placid, NY. September 2006.

*Lynch, P.D., E.D. Condon, M.J. Brush, and **R.J. Latour**. Filtration rates of phytoplankton by juvenile Atlantic menhaden, *Brevoortia tyrannus*, in Chesapeake Bay. 136th American Fisheries Society Annual Meeting in Lake Placid, NY. September 2006.

*Lynch, P.D., J. Gartland, R.A. Johnson, E.A. Brasseur, *K.A. McNamee, C.F. Bonzek, and **R.J. Latour**. Age-specific diet composition of summer flounder (*Paralichthys dentatus*) in Chesapeake Bay. 7th Annual Chesapeake Bay Integrated Research Symposium, Laurel, MD. April 2005.

Gartland, J., E.A. Brasseur, R.A. Johnson, *P.D. Lynch, and **R.J. Latour**. Age-specific diet composition of weakfish (*Cynoscion regalis*) in the Chesapeake Bay. 6th Annual Chesapeake Bay Integrated Research Symposium, Laurel, MD. February 2004.

Oral presentations

Speaker is first author; * Indicates my graduate student; † Indicates graduate student collaboration

†Dixon, R.L., Fabrizio, M.C., Latour, R.J., Mazzini, P. Spatial synchrony in Atlantic striped bass: implications for recruitment and population dynamics. 9th World Fisheries Congress, Seattle, WA. March 2024.

- †Dixon, R.L., Fabrizio, M.C., Latour, R.J., Mazzini, P. An exploration of 40 years of recruitment in Atlantic striped bass: implications for population productivity. AFS Tidewater Chapter Annual Meeting, Newport News, VA. March 2024.
- *Mestav, R., R.J. Latour. Modeling temperature-linked distribution shifts of two U.S. Atlantic coast sciaenid species. Talk at the 153rd Annual Meeting of the American Fisheries Society in Grand Rapids, MI. August 2023.
- *Gartland, J., R.J. Latour. Predatory removals of forage species on the Northeast US Shelf. Talk at the 153rd Annual Meeting of the American Fisheries Society in Grand Rapids, MI. August 2023.
- †Nehemiah, S., **R.J. Latour**, *A. Schonfeld, K. Drew, G. Nelson, D. Secor, and M. Wilberg. Estimating striped bass abundance in the Chesapeake Bay using spatially explicit population models. American Fisheries Society Annual Meeting, Grand Rapids, MI. August 2023.
- *O'Brien, K.A., J.K. Carlson, E. Corts, W.B. Driggers, B.S. Frazier, and **R.J. Latour**. Data-limited assessment methods for unassessed large and small coastal sharks along the U.S. Southeast Atlantic Coast and Gulf of Mexico. Joint Meeting of Ichthyologists and Herpetologists, Norfolk, VA. July 2023.
- †Nehemiah, S., **R.J. Latour**, *A. Schonfeld, K. Drew, G. Nelson, D. Secor, and M. Wilberg. Estimating Striped Bass abundance in the Chesapeake Bay using spatially explicit population models. NOAA Library Seminar. June 2023.
- *O'Brien, K.A., E. Corts, B. Frasier, W. Driggers, and **R.J. Latour**. Niche structure for coastal sharks in the U.S. Southeast Atlantic and Gulf of Mexico. American Fisheries Society Conference, Southern Division, Norfolk, VA, February 2023.
- †Oakley, J., Y. Jiao, E. Smith, **R.J. Latour**, T.J. Miller, K. Friedland, and M.C. Fabrizio. Changes in summer flounder abundance in Chesapeake Bay, an ecosystem-based evaluation. American Fisheries Society Conference, Southern Division, Norfolk, VA, February 2023.
- †Nehemiah, S., **R.J. Latour**, *A.J. Schonfeld, K. Drew, G. Nelson, D. Secor, and M.J. Wilberg. Considerations for developing a spatially explicit population model to estimate Striped Bass abundance in the Chesapeake Bay. CAPAM and FAO Workshop on Fisheries Stock Assessment Good Practices, Rome, October 2022.

- *Gartland, J., S. Gaichas, and **R.J. Latour**. Coherence of aggregate biomass ecosystem indicators in the Mid-Atlantic Bight, USA. American Fisheries Society Annual Meeting, Spokane, WA, August 2022.
- *O'Brien, K.A., E. Corts, B. Frasier, W. Driggers, V. Saba, and **R.J. Latour**. Ecological niche modeling and coastal sharks of the US southeast Atlantic. American Fisheries Society Annual Meeting, Spokane, WA, August 2022.
- *Schonfeld A.J., G. Ralph, *J. Gartland, and **R.J. Latour**. 2022. Assessing impacts of climate change on habitat availability in Chesapeake Bay. American Fisheries Society Annual Meeting, Spokane, WA, August 2022.
- †Nehemiah, S., **R.J. Latour**, *A.J. Schonfeld, K. Drew, G. Nelson, D. Secor, and M.J. Wilberg. Estimating Striped Bass abundance in the Chesapeake Bay using spatially explicit population models. American Fisheries Society Annual Meeting, Spokane, WA, August 2022.
- *O'Brien, K.A., E. Corts, B. Frasier, W. Driggers, V. Saba, and **R.J. Latour**. Ecological niche modeling and niche overlap for coastal data-limited sharks of the southeast Atlantic. ICES Early Career Scientist Conference, St. John's, Newfoundland, July 2022.
- *Schonfeld A.J., *J. Gartland, and **R.J. Latour**. 2022. Impacts of climate change on estuarine usage vary spatially within the Mid-Atlantic Bight, USA. ICES Early Career Scientist Conference, St. John's, Newfoundland, July 2022.
- *O'Brien, K.A., and **R.J. Latour**. Shifting sharks: How climate change could impact coastal sharks. A scientist walks into a Bar, Virginia Beer Company, May 2022.
- *Gartland, J., S. Gaichas, and **R.J. Latour**. Coherence of aggregate biomass ecosystem indicators in the Mid-Atlantic Bight, USA. American Fisheries Society, Tidewater Chapter, Nags Head, NC. March 2022.
- *Schonfeld, A.J., *J. Gartland, and **R.J. Latour**. Environmental drivers of temporal trends in seasonal estuarine usage of Mid-Atlantic species. American Fisheries Society, Tidewater Chapter, Nags Head, NC. March 2022.
- *O'Brien, K.A., E. Corts, B. Frasier, W. Driggers, V. Saba, and **R.J. Latour**. Ecological niche modeling and predicted shifts in available habitat for coastal sharks of the southeast Atlantic. American Fisheries Society, Tidewater Chapter, Nags Head, NC. March 2022.

- *Schonfeld, A.J., *J. Gartland, and **R.J. Latour**. Climate impacts on estuarine usage and exchange of Mid-Atlantic fishes. Ocean Sciences Meeting, March 2022.
- *Schonfeld, A.J., *J. Gartland, and **R.J. Latour**. Patterns in seasonal estuarine residency of Mid-Atlantic fishes in relation to climate. American Fisheries Society, Baltimore, MD. November 2021.
- *Schonfeld, A.J., *J. Gartland, and **R.J. Latour**. Quantifying habitat of fishes in Chesapeake Bay. Lightning talk at the 2020 Ocean Sciences Meeting, San Diego, CA. February 2020.
- *Peterson, C.P., D.L. Courtney, and **R.J. Latour**. Dealing with conflicting indices of relative abundance: reconciliation before and within a stock assessment. International Council for the Exploration of the Sea Annual Science Conference 2018. Hamburg, Germany.
- Thanassekos, S., **R.J. Latour**, and M.C. Fabrizio. Estimating selectivity, availability, and mortality with an Individual Based Approach. ICES Annual Science Conference, Fort Lauderdale, FL. September 2017.
- Peterson C.P., J. Gartland, and **R.J. Latour**. Novel use of hook timers to quantify changing catchability over soak time in longline surveys. Talk at the 147th American Fisheries Society Annual Meeting in Tampa, FL. August 2017.
- Latour, R.J.**, *C.D. Peterson, C.N. Belcher, D.M. Bethea, W.B. Driggers, and B.S. Frazier. Preliminary recovery of coastal sharks in the southeast United States. Talk at the 31st Tidewater Chapter of the American Fisheries Society Annual Meeting, Virginia Beach, VA. March 2017.
- *Peterson C.P., and **R.J. Latour**. Abundance and community interactions of Atlantic coastal sharks. Talk at the 32nd American Elasmobranch Society Annual Meeting, Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA. July 2016.
- *Parsons, K.T., J. McDowell, H. Brightman, E.J. Hilton, and R.J. Latour. Review of the smooth butterfly ray, *Gymnura micrura* (Myliobatiformes: Gymnuridae) reveals a species complex in the western North Atlantic Ocean. Talk at the 32nd American Elasmobranch Society Annual Meeting, Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA. July 2016.
- *Peterson, C.P., and **R.J. Latour**. Use of dynamic factor analysis to estimate trends in abundance of upper trophic level species. Talk in the Data Conflict and Weighting, Likelihood Functions, and Process Error Symposium, Center for the Advancement of Population Assessment Methodology (CAPAM). La Jolla, CA. October 2015.

- Thanassekos, S., **R.J. Latour**, and M.C. Fabrizio. Individual-based year-class strength estimation. Talk at the 145th American Fisheries Society Annual Meeting in Portland, OR. August 2015.
- *Stratton, M., and **R.J. Latour**. Ecosystem drivers of U.S. south Atlantic nearshore stocks with potential applications for assessments. Talk at the 145th American Fisheries Society Annual Meeting in Portland, OR. August 2015.
- *Buchheister, A., and **R.J. Latour**. Dynamic trophic linkages in a large estuarine system? support for supply drive dietary changes using delta-gamm. Talk at the 145th American Fisheries Society Annual Meeting in Portland, OR. August 2015.
- *Gervasi, C., S.K. Lowerre-Barbieri, W.K. Vogelbein, and **R.J. Latour**. Changes in maturation of Chesapeake Bay striped bass and the impacts of disease on reproductive output. Talk at the 145th American Fisheries Society Annual Meeting in Portland, OR. August 2015.
- *Warshafsky, Z., T.D. Tuckey, W.K. Vogelbein, **R.J. Latour**, and A. Wargo. Impact of *Anguillicoloides crassus* on Chesapeake Bay American eels (*Anguilla rostrata*). Talk at the 145th American Fisheries Society Annual Meeting in Portland, OR. August 2015.
- *Peterson, C., W. Driggers, D. Bethea, and **R.J. Latour**. Broad-scale patterns of abundance in northwest Atlantic sharks. Talk at the 145th American Fisheries Society Annual Meeting in Portland, OR. August 2015.
- *Stratton, M. and **R.J. Latour**. Is Cape Hatteras, NC a true biogeographic barrier for nearshore fishes and invertebrates? Talk at the Southern Division American Fisheries Society Meeting in Savannah, GA. February 2015.
- *Gervasi, C., W. Vogelbein, and **R.J. Latour**. Disease-associated effects on reproductive output of Chesapeake Bay striped bass. Talk at the 7th International Symposium on Aquatic Animal Health in Portland, OR. September 2014.
- †Schlenker, L.S., R.W. Brill, **R.J. Latour**, J.E. Graves. Stress physiology and postrelease mortality of White Marlin (*Kajikia albida*) caught in the U.S. recreational fishery. Talk at the 144th American Fisheries Society Annual Meeting in Quebec City, PQ, Canada. August 2014.
- *Gervasi, C., W. Vogelbein, and **R.J. Latour**. Disease-associated effects on reproductive output of Chesapeake Bay striped bass. Talk at the 144th American Fisheries Society Annual Meeting in Quebec City, PQ, Canada. August 2014.

- Buchheister, A., T. Miller, E. Houde, D. Secor, and **R.J. Latour**. Spatiotemporal dynamics of Atlantic menhaden recruitment in the NW Atlantic Ocean. Talk at the 144th American Fisheries Society Annual Meeting in Quebec City, PQ, Canada. August 2014.
- *Stratton, M. and **R.J. Latour**. Spatial and seasonal patterns of the nearshore fish assemblage from Florida to New York, USA. Talk at the Southern Division American Fisheries Society Meeting in Charleston, SC. January 2014.
- *Sobocinski, K.L. and **R.J. Latour**. Ecosystem structure in Chesapeake Bay seagrass habitats: will climate change disrupt the foodweb? Talk at the 22nd Biennial Conference of the Coastal and Estuarine Research Federation, San Diego, CA. November 2013.
- Latour, R.J.**, D.T. Gauthier, *A. Buchheister, J. Gartland, C. Bonzek, H. Gaff, *K.A. McNamee, and W.K. Vogelbein. Mycobacteriosis and hypoxia impacts on Chesapeake Bay fishes. Talk at the 8th Chesapeake Watershed Forum, Shepherdstown, WV. September 2013.
- *Stratton, M., C. Bonzek, J. Boylan, J. Gartland, M. Reichert, W. Pearse, and **R.J. Latour**. Spatial and temporal patterns of the U.S. East Coast nearshore fish assemblage from Florida to New York. Talk at the 143rd American Fisheries Society Annual Meeting in Little Rock, AK. September 2013.
- *Sobocinski, K.L. and **R.J. Latour**. 2013. Assessing impacts of changing climate on ecosystem structure in Chesapeake Bay seagrass habitats. Talk at the ICES Annual Science Conference, Reykjavik, Iceland. September 2013.
- *Sobocinski, K.L. and **R.J. Latour**. A quantitative foodweb model of a lower Chesapeake Bay seagrass habitat: will changing climate impact trophic dynamics? Talk at Atlantic Estuarine Research Society Meeting, Williamsburg, VA. April 2013.
- *Buchheister, A., M. Wilberg, T. Miller, and **R.J. Latour**. Evaluating bottom-up effect on predator productivity using simulation. Talk at the 27th Annual Meeting of the Tidewater Chapter of the American Fisheries Society in Solomons, MD. March 2013.
- *Buchheister, A., M. Wilberg, T. Miller, and **R.J. Latour**. Evaluating bottom-up effects on predator productivity using simulation. Talk at the Association for the Sciences of Limnology and Oceanography Aquatic Sciences Meeting in New Orleans, LA. February 2013.
- *Buchheister, A., C.F. Bonzek, J. Gartland, and **R.J. Latour**. Patterns and drivers of the demersal fish community in Chesapeake Bay. Talk

at the 142nd American Fisheries Society Annual Meeting in St. Paul, MN. August 2012.

Gamble, R.J., J.S. Link, *A. Buchheister, C.M. Martinez, J.S. Collie, M.G. Frisk, T.J. Miller, H.W. Townsend, and **R.J. Latour**. Features and patterns within and across northeast U.S. estuarine, coastal, and oceanic ecosystems: An empirical analysis. Talk at the 142nd American Fisheries Society Annual Meeting in St. Paul, MN. August 2012.

Bonzek, C.F., **R.J. Latour**, and J. Gartland. Development of surveys and databases in support of ecosystem based fisheries management. Talk at the 142nd American Fisheries Society Annual Meeting in St. Paul, MN. August 2012.

Wilberg, M., *A. Buchheister, **R.J. Latour**, and T. Miller. Effects of predation refugia on the sustainability of linked predator-prey fisheries. Talk at the 142nd American Fisheries Society Annual Meeting in St. Paul, MN. August 2012.

Wilberg, M., *A. Buchheister, **R.J. Latour**, and T. Miller. Effects of predation refugia on the sustainability of linked predator-prey fisheries. Talk at the 6th World Fisheries Conference, Edinburgh, Scotland. May 2012.

*Sobocinski, K., R.J. Orth, K.L. Heck, Jr., and **R.J. Latour**. Fishes in eelgrass beds in lower Chesapeake Bay: Community description and historical comparison. Talk at the 21st Biennial Conference of the Coastal and Estuarine Research Federation in Daytona Beach, FL. November 2011.

*Lynch, P.D., K.W. Shertzer, and **R.J. Latour**. Estimating the relative abundance of highly migratory bycatch species. Talk at the 141st American Fisheries Society Annual Meeting in Seattle, WA. September 2011.

*Buchheister, C.F. Bonzek, J. Gartland, and **R.J. Latour**. Coherent annual trends in diets of Chesapeake Bay fishes. Talk at the 141st American Fisheries Society Annual Meeting in Seattle, WA. September 2011.

*Sobocinski, K., R.J. Orth, K.L. Heck, Jr., and **R.J. Latour**. Fishes in eelgrass beds in lower Chesapeake Bay: Community description and historical comparison. Talk at the 141st American Fisheries Society Annual Meeting in Seattle, WA. September 2011.

*Wor, C., J. Graves, and **R.J. Latour**. Evaluating the impacts of stock structure uncertainty on sailfish stock assessment in the Atlantic Ocean. Talk at the 141st American Fisheries Society Annual Meeting in Seattle, WA. September 2011.

Horodysky, A.Z., R.W. Brill, P.G. Bushnell, J.A. Musick, and **R.J. Latour**. Comparative metabolic rates of common western north Atlantic sciaenid fishes. Talk at the 141st American Fisheries Society Annual Meeting in Seattle, WA. September 2011.

Vogelbein, W.K., D.T. Gauthier, **R.J. Latour**, H.D. Gaff, and J.M. Hoenig. Mycobacteriosis in Chesapeake Bay striped bass. Talk at the 141st American Fisheries Society Annual Meeting in Seattle, WA. September 2011.

*Lynch, P.D., K.W. Shertzer, and **R.J. Latour**. Estimating the relative abundance of highly migratory bycatch species. Talk at the 25th Annual Meeting of the Tidewater Chapter of the American Fisheries Society, Gloucester Point, VA, March 2011.

Latour, R.J., D.T. Gauthier, J. Gartland, C.F. Bonzek, H.D. Gaff, K.A. McNamee, and W.K. Vogelbein. Impacts of mycobacteriosis on the growth of striped bass (*Morone saxatilis*) in Chesapeake Bay. Talk at the 25th Annual Meeting of the Tidewater Chapter of the American Fisheries Society, Gloucester Point, VA, March 2011.

Gauthier, D.T., J. Xiao, **R.J. Latour**, H.D. Gaff, K.A. Reece, and W.K. Vogelbein. Ecology of fish-pathogenic mycobacteria in Chesapeake Bay. Talk at the 25th Annual Meeting of the Tidewater Chapter of the American Fisheries Society, Gloucester Point, VA, March 2011.

Gauthier, D.T., J. Xiao, **R.J. Latour**, H.D. Gaff, K.A. Reece, and W.K. Vogelbein. Ecology of fish-pathogenic mycobacteria in Chesapeake Bay. Talk at the 36th Eastern Fish Health Workshop in Mt. Pleasant, SC. March 2011.

†Funkey, C.P., **R.J. Latour**, D.A. Bronk. Abiotic release of labile nitrogen from effluent organic nitrogen. Talk at the Advancing Science of Limnology and Oceanography Aquatic Sciences Winter Meeting in San Juan, PR. February 2011.

Latour, R.J., E.J. Hilton, B.E. Watkins, T.D. Tuckey, *P.D. Lynch, and J.E. Olney. Evaluating restoration efforts of American shad in Virginia. Talk at the 140th American Fisheries Society Annual Meeting in Pittsburgh, PA. August 2010.

Horodysky, A.Z., R.W. Brill, E.J. Warrant, J.A. Musick, **R.J. Latour**. Visual ecology of benthic and pelagic piscivores in coastal mid-Atlantic waters: implications for predator-prey dynamics. Talk at the 140th American Fisheries Society Annual Meeting in Pittsburgh, PA. August 2010.

Horodysky, A.Z., R.W. Brill, M.L. Fine, J.A. Musick, and **R.J. Latour**. Acoustic pressure and particle motion thresholds in six sciaenid fishes. Talk at the Joint Meeting of Ichthyologists and Herpetologists, Providence, RI. July 2010.

†Schloesser, R., M.C. Fabrizio, **R.J. Latour**, G.C. Garman, B. Greenlee, M. Groves, and J. Gartland. Ecological role of blue catfish in Chesapeake Bay communities and implications for management. Talk at the 2nd International Catfish Symposium, St. Louis, MO, June 2010.

*Lynch, P.D., J.E. Graves, **R.J. Latour**. Quantitative challenges in the assessment of highly migratory bycatch species: a case study of the Atlantic marlins. Talk at the 139th American Fisheries Society Annual Meeting in Nashville, TN. August 2009.

*Buchheister, A., and **R.J. Latour**. Assessing summer flounder diets with stable isotopes using multiple tissues. Talk at the 138th American Fisheries Society Annual Meeting in Ottawa, ON, Canada. August 2008.

Latour, R.J., J. Gartland, and C.F. Bonzek. An analysis of current and alternate management strategies for summer flounder (*Paralichthys dentatus*) recreational fishery in Virginia. Talk at the 138th American Fisheries Society Annual Meeting in Ottawa, ON, Canada. August 2008.

*Horodysky, A.Z., R.W. Brill, E.J. Warrant, J.A. Musick, and **R.J. Latour**. Visual function in Chesapeake Bay's predatory fishes. VIIIth International Congress Biology of Fish, Portland, OR. July, 2008.

*Lynch, P.D., M.J. Brush, E.D. Condon, and **R.J. Latour**. Modeling the feeding ecology of Atlantic menhaden to address water quality concerns in Chesapeake Bay. Talk at the 138th American Fisheries Society Annual Meeting in Ottawa, ON, Canada. August 2008.

*Woodward, J., **R.J. Latour**, M.C. Fabrizio, and C.F. Bonzek. Using linear models to validate recruitment indices. Talk at the 138th American Fisheries Society Annual Meeting in Ottawa, ON, Canada. August 2008.

van Montfrans, J., **R.J. Latour**, and D. Combs. Predation impacts by striped bass and croaker on juvenile blue crabs in seagrass beds, Chesapeake Bay, VA. Talk at the 37th Benthic Ecology Meeting in Providence, RI. April 2008.

Bonzek, C.F., **R.J. Latour**, and J. Gartland. Are piscivores in Chesapeake Bay forage limited? Talk at the 137th American Fisheries Society Annual Meeting in San Francisco, CA. September 2007.

*Horodysky, A.Z., R.W. Brill, J.A. Musick, and **R.J. Latour**. Seeing the forage through the trees: visual function in Chesapeake Bays predatory fishes. Talk at the 137th American Fisheries Society Annual Meeting in San Francisco, CA. September 2007.

Latour, R.J., J. Gartland, C.F. Bonzek. The [mis]calculation of diet indices. Talk at the 137th American Fisheries Society Annual Meeting in San Francisco, CA. September 2007.

*Lynch, P.J., M.J. Brush, E.D. Condon, and **R.J. Latour**. Ingestion rates of phytoplankton by Atlantic Menhaden (*Brevoortia tyrannus*) in Chesapeake Bay. Talk at the 137th American Fisheries Society Annual Meeting in San Francisco, CA. September 2007.

Parthree, D.J., C.F. Bonzek, J. Gartland, and **R.J. Latour**. Feeding ecology of summer flounder in Chesapeake Bay, USA, 2004-2006. Talk at the 137th American Fisheries Society Annual Meeting in San Francisco, CA. September 2007.

Latour, R.J., K.A. McNamee, D.T. Gauthier, J. Gartland, C.F. Bonzek, and W.F. Vogelbein. Impacts of mycobacteriosis on the biology and ecology of striped bass (*Morone saxatilis*) in Chesapeake Bay. Invited seminar at the Center for Marine Science Technology, North Carolina State University, Morehead City, NC. March 2007.

Latour, R.J. Small fish, big controversy: Menhaden in Chesapeake Bay. Invited talk in the Virginia Institute of Marine Science After Hours Lecture Series, VIMS, Gloucester Point, VA. February 2007.

Latour, R.J., D.T. Gauthier, C.F. Bonzek, and W.K. Vogelbein. Epizootiology of mycobacteriosis in Chesapeake Bay striped bass (*Morone saxatilis*). Invited seminar at Stony Brook University, Stony Brook, NY. September 2006.

Bonzek, C.F., **R.J. Latour**, and M.C. Fabrizio. Judging the effectiveness of a new fishery-independent survey in Chesapeake Bay: A cross-validation approach. Talk at the 136th American Fisheries Society Annual Meeting in Lake Placid, NY. September 2006.

Fabrizio, M.C., **R.J. Latour**, and C.F. Bonzek. Patterns in abundance of juvenile fishes in Chesapeake Bay. Talk at the 136th American Fisheries Society Annual Meeting in Lake Placid, NY. September 2006.

†Hoffman, J.C., C.F. Bonzek, **R.J. Latour**. A novel approach to abundance estimation of fishes in Chesapeake Bay: application to Atlantic croaker. Talk at the 136th American Fisheries Society Annual Meeting in Lake Placid, NY. September 2006.

*Horodysky, A.Z., R.W. Brill, J.A. Musick, and **R.J. Latour**. Electroretinographic assessment of visual function in six commercially and recreationally important estuarine fishes. Talk at the 136th American Fisheries Society Annual Meeting in Lake Placid, NY. September 2006.

Latour, R.J., D.T. Gauthier, C.F. Bonzek, and W.F. Vogelbein. Epizootiology of mycobacteriosis in Chesapeake Bay striped bass (*Morone saxatilis*). Talk at the 136th American Fisheries Society Annual Meeting in Lake Placid, NY. September 2006.

*McNamee, K.A., C.F. Bonzek, J. Gartland, and **R.J. Latour**. Estimating caloric intake by diseased and non-diseased striped bass (*Morone saxatilis*) in Chesapeake Bay. Talk at the 136th American Fisheries Society Annual Meeting in Lake Placid, NY. September 2006.

Gauthier, D.T., **R.J. Latour**, C.F. Bonzek, and W.F. Vogelbein. Mycobacteriosis in Chesapeake Bay striped bass (*Morone saxatilis*): Large-scale field survey. Talk at the 5th International Symposium on Aquatic Animal Health in San Francisco, CA. September 2006.

*Horodysky, A.Z., R.W. Brill, J.A. Musick, and **R.J. Latour**. Electroretinographic assessment of visual function in six commercially and recreationally important estuarine fishes. Talk at the VIIth International Congress on the Biology of Fish in St. Johns, Newfoundland, CAN. July 2006.

Latour, R.J., C.F. Bonzek, and J. Gartland. Tropic ecology of fishes in Chesapeake Bay. Invited seminar at Chesapeake Biological Laboratory, Solomons, MD. April 2006.

*Horodysky, A.Z., D.W. Kerstetter, **R.J. Latour**, and J.E. Graves. Habitat utilization of white marlin released from commercial and recreational fishing gears. Talk at the 4th International Billfish Symposium in Avalon, Santa Catalina Island, CA. November 2005.

Latour, R.J., J.F. Walter III, A.Z. Horodysky, J.E. Graves and D.W. Kerstetter. A simulation of sampling frequency and transmission percentage for PSATs: application to white marlin. Talk at the 4th International Billfish Symposium in Avalon, Santa Catalina Island, CA. November 2005.

Brush, M.J. and **R.J. Latour**. Coupling top-down, multispecies fisheries models to simplified nutrient-plankton models in support of nutrient and multispecies management in Chesapeake Bay. Talk at the 18th Biennial Conference of the Estuarine Research Federation in Norfolk, VA. October 2005.

- Latour, R.J.**, J. Gartland, and C.F. Bonzek. Do the stomach contents of striped bass and weakfish suggest localized depletion of Atlantic menhaden in Chesapeake Bay? Talk at the 18th Biennial Conference of the Estuarine Research Federation in Norfolk, VA. October 2005.
- van Montfrans, J., D.M. Combs, and **R.J. Latour**. Fish predation impacts on juvenile blue crabs in Chesapeake Bay seagrass beds. Talk at the 18th Biennial Conference of the Estuarine Research Federation in Norfolk, VA. October 2005.
- Bonzek, C.F., **R.J. Latour**, and J. Gartland. Examining the influence of spatial and temporal diet variability on estimates of predator consumption in a dynamic estuary. Talk at the 135th American Fisheries Society Annual Meeting in Anchorage, AK. September 2005.
- Goldman, K.J., S.D. Anderson, **R.J. Latour**, and J.A. Musick. Endothermy and thermoregulation in the salmon shark, *Lamna ditropis*. Talk at the 135th American Fisheries Society Annual Meeting in Anchorage, AK. September 2005.
- *Horodysky, A.Z., D.J. Parthre, J.A. Musick, and **R.J. Latour**. Trophic interactions of Atlantic croaker and spot in Chesapeake Bay. Talk at the 135th American Fisheries Society Annual Meeting in Anchorage, AK. September 2005.
- Latour, R.J.**, J. Gartland, and C.F. Bonzek. Do the stomach contents of striped bass and weakfish suggest localized depletion of Atlantic menhaden in Chesapeake Bay? Talk at the 135th American Fisheries Society Annual Meeting in Anchorage, AK. September 2005.
- *Horodysky, A.Z., **R.J. Latour**, J.A. Musick, B. Deffenbaugh, and R.W. Brill. Hearing abilities of sciaenid fishes determined via auditory brainstem response using a novel echo-cancellation algorithm. Talk at the Joint Meeting of Ichthyologists and Herpetologists in Tampa, FL. July 2005.
- Latour, R.J.**, J.M. Hoenig, W.S. Hearn, and K.H. Pollock. A framework for estimating natural mortality. Talk at the ASMFC Natural Mortality Workshop in Baltimore, MD. April 2005.
- Hoenig, J.M., **R.J. Latour**, and P.W. Sadler. What's wrong with my tagging study? An investigation of heterogeneity. Talk at the 134th American Fisheries Society Annual Meeting in Madison, WI. August 2004.
- Latour, R.J.**, J. Gartland, and C.F. Bonzek. Abundance, distribution, age-structure, and diet composition of weakfish (*Cynoscion regalis*) in

Chesapeake Bay. Talk at the 134th American Fisheries Society Annual Meeting in Madison, WI. August 2004.

Pollock, K.H., J. Honghua, J.M. Hoenig, and **R.J. Latour**. Incorporating catch and release fishing into age-dependent tag return models. Talk at the 134th American Fisheries Society Annual Meeting in Madison, WI. August 2004.

Brush, M.J. and **R.J. Latour**. Multispecies modeling of Atlantic menhaden and its predators in Chesapeake Bay II: coupling species-specific bioenergetics models. Talk at the 133rd American Fisheries Society Annual Meeting in Quebec City, PQ, Canada. August 2003.

Latour, R.J., M.J. Brush, and A. Beattie. Multispecies modeling of Atlantic menhaden and its predators in Chesapeake Bay I: An Ecopath with Ecosim (EwE) approach. Talk at the 133rd American Fisheries Society Annual Meeting in Quebec City, PQ, Canada. August 2003.

Latour, R.J., J.E. Olney, B.A. Versak, S.A. Welsh, H. T. Hornick, and R.E. Harris, Jr. Mortality estimates of coastally migrating striped bass of Chesapeake Bay origin. Talk at the 132nd American Fisheries Society Annual Meeting in Baltimore, MD. August 2002.

Latour, R.J., J.E. Olney, B.A. Versak, H. T. Hornick, and R.E. Harris, Jr. Estimates of fishing mortality for striped bass resident to Chesapeake Bay. Talk at the 132nd American Fisheries Society Annual Meeting in Baltimore, MD. August 2002.

Latour, R.J., J.M. Hoenig, J.E. Olney, and K.H. Pollock. Diagnostics for multiyear tagging models - tests for lack of complete mixing and examination of patterns in residuals. Talk at the 131st American Fisheries Society Annual Meeting in Phoenix, AZ. August 2001.

Latour, R.J., K.H. Pollock, C.A. Wenner, and J.M. Hoenig. Estimates of fishing and natural mortality rates for South Carolina red drum. Talk at the 129th American Fisheries Society Annual Meeting in Charlotte, NC. August 1999.