

Robert J. Latour

Institute Address

Virginia Institute of Marine Science
College of William & Mary
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Education

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

Experience

Jul 2008 - present Associate Professor, Virginia Institute of Marine Science, School of Marine Science, College of William & Mary
Jul 2008 - Jun 2011 Moses D. Nunnally Distinguished Associate Professor, Virginia Institute of Marine Science, School of Marine Science, College of William & Mary
Jul 2004 - Jun 2008 Assistant Professor, Virginia Institute of Marine Science, School of Marine Science, College of William & Mary
Jul 2001 - Jun 2003 Research Assistant Professor, Department of Fisheries Science, Virginia Institute of Marine Science, College of William & Mary
Jan 2000 - Jun 2001 Postdoctoral Research Associate, Department of Fisheries Science, Virginia Institute of Marine Science, College of William & Mary
Jan 1998 - May 1999 Mathematics Instructor, Durham CAPE Program, Shaw University

Research interests

Quantitative fisheries ecology with particular emphasis on predator-prey interactions and ecosystem-based approaches to fisheries management. Population dynamics modeling and stock assessment of exploited marine resources.

Honors and awards

2010 Plumeri Award for Faculty Excellence, College of William & Mary

Publications

* Indicates my graduate student; † Indicates graduate student collaboration

1. *Lynch, P.D., K.W. Shertzer, and **R.J. Latour**. In review. Estimating relative abundance of highly migratory bycatch species. Fisheries Research.
2. †Balazik, M.T., S.P. McIninch, G.C. Garman, and **R.J. Latour**. In review. Age and growth of Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*) in the James River, USA. Transactions of the American Fisheries Society.
3. Gauthier, D.T., **R.J. Latour**, H.D. Gaff, W.K. Vogelbein. Mycobacteriosis in striped bass (*Morone saxatilis*). For: Northeast Atlantic Coast Striped Bass Fisheries Management. M. Armstrong and P. Perra, eds.
4. **Latour, R.J.**, D.T. Gauthier, J. Gartland, C.F. Bonzek, *K.A. McNamee, and W.K. Vogelbein. In press. Impacts of mycobacteriosis on the growth of striped bass (*Morone saxatilis*) in Chesapeake Bay. Canadian Journal of Fisheries and Aquatic Sciences.
5. **Latour, R.J.**, E.J. Hilton, *P.D. Lynch, T.D. Tuckey, B.E. Watkins, and J.E. Olney. In press. Evaluating the current status of American shad (*Alosa sapidissima*) stocks in three Virginia rivers. Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science.
6. *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.
7. †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.
8. *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.
9. *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.
10. *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.
11. 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.
12. 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.
13. 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.
 14. *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.
 15. *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.
 16. *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.
 17. 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.
 18. †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.
 19. *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.
 20. 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.
 21. *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.
 22. 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.
 23. **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.
 24. †Horodysky, A.Z., D.W. Kerstetter, **R.J. Latour**, and J.E. Graves. 2007. Habitat utilization and vertical movements of white marlin (*Tetrapturus albidus*) re-

- leased 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.
25. †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.
 26. 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.
 27. 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.
 28. 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.
 29. †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.
 30. 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).
 31. **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).
 32. **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.
 33. **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.
 34. 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.

35. **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.
36. **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.
37. **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.
38. **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

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.

Christensen, V., and 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.

Kilduff, P., J. Carmichael, and **R.J. Latour**. 2009. Guide to Fisheries Science and Stock Assessment. Publication of the Atlantic States Marine Fisheries Commission.

Grants

Sep 2011 - Aug 2014. 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. 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 (student lead PI).

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.

Jun 2010 - May 2013. NOAA/NMFS. VIMS Shark Research Program. \$300,000. Co-PI on two-investigator project.

- Feb 2010 - Jan 2012. U.S. Fish and Wildlife Service, Virginia Marine Resources Commission. Monitoring relative abundance and bycatch of American shad in Virginia's rivers. \$736,586. Co-PI on two 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. Lead PI on multi-investigator project.
- 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 (student lead PI).
- Apr 2005 - Mar 2012. 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). \$2,842,140. Joint lead PI on two-investigator project.
- Aug 2005 - Dec 2011. Atlantic States Marine Fisheries Commission, MAFMC Research Set-Aside Program, Southern New England Collaborative Research Initiative. Data collection and analysis in support of multispecies stock assessments in the mid-Atlantic: Northeast Area Monitoring and Assessment Program Nearshore Trawl Program (NEAMAP). \$5,153,187. Joint lead PI on three-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. Lead 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, Professional Faculty, Co-PI, 2002-present

Debra Gauthier, Marine Scientist I, 2003-present

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

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

Jameson Gregg, Laboratory & Research Specialist II, 2008-present

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

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

Past staff members:

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, 2001-2008

Teaching summary

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

Fall 2005 - 2009, 2011 MSCI 671. Fisheries Population Dynamics, SMS/VIMS, 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 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, Lecturer.

Jun 2000. FIS4104. Tag Return Models for Fisheries Research, U.S. Fish Wildlife Service National Conservation Training Center, 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

Patrick D. Lynch, Ph.D program, VIMS

Andre Buchheister, Ph.D program, VIMS

Kathryn L. Sobocinski, Ph.D program, VIMS, co-advisor with J. Emmett Duffy

Mark Stratton, Ph.D program, VIMS

Catarina Wor Lima, M.S. program, VIMS, co-advisor with John E. Graves

Christopher J. Sweetman, M.S. program, VIMS, co-advisor with Mike Vecchione

Carissa L. Gervasi, M.S. program, VIMS

Andrij Horodysky, Ph.D 2009, VIMS, co-advisor with John A. Musick. Dissertation: Comparative sensory and energetic ecology of sciaenid fishes and their competitors in Chesapeake Bay, VA.

Justine Woodward, M.S. 2009, VIMS, co-advisor with Mary C. Fabrizio. Thesis: Investigating the relationships between recruitment indices and estimates of adult abundance for striped bass, weakfish, and Atlantic croaker.

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

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

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

Student committees

Current Ph.D.: Allison Colden (VIMS); Alison Deary (VIMS); Jonathan Lefcheck (VIMS); Mark Henderson (VIMS); Kristene Parsons (VIMS); Ryan Schloesser (VIMS); Matthew Balazik (Virginia Commonwealth University);

Current M.S.: Jeanna Hudson (VIMS)

Past Ph.D.: 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.: 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

Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science; Journal of Fish Biology; 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

Proposal peer review

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

Advisory service

Chairman, 49th Northeast Regional Stock Assessment Review Committee (SARC 49), Dec 2009, Woods Hole, MA

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

Member, MAFMC, Scientific and Statistical Committee, 2008 - present
Scientific Uncertainty Subcommittee, 2009 - 2010

Member, ASMFC Atlantic Menhaden Technical Committee, 2006 - present
Chairman, May 2009 - May 2011
Vice-chairman, May 2008 - May 2009

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

Invited Expert, ASMFC American Shad Technical Committee, Jun 2006

Invited Expert, Meeting of 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, Chesapeake Bay Ecosystem Modeling Advisory Panel, 2001 - 2007

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

Poster presentations

* indicates my graduate student

*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.

Parthre, 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

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.

*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.
- *, 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. Parthree, 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 129nd American Fisheries Society Annual Meeting in Phoenix, AZ. August 1999.