

**RICHARD SHERWOOD MCBRIDE**

## Professional Address:

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## Current position, since 2006

NATIONAL MARINE FISHERIES SERVICE, Woods Hole, MA  
Chief, Population Biology Branch & Supervisory Research Fishery Biologist (ZP-0482-IV)

▪ Oversight of three programs investigating the biology and ecology of marine and diadromous fishes. Each program produces original research and delivers technical products for fishery stock assessments, integrated ecosystem assessments, and resource management in the North Atlantic Ocean ecosystem.

Vision: Use QA/QC to build the most reliable datasets for stock and ecosystem assessments, test new methods and incorporate best practices to minimize costs, facilitate process-oriented research by leveraging data or staff expertise, and expand capacity with new technology and partnerships.

**EDUCATION HISTORY**

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, New Brunswick  
Ecology & Evolution, Ph. D., 1994; Major Professor: Dr. Kenneth W. Able

STONY BROOK UNIVERSITY (formerly SUNY-Stony Brook), Stony Brook, NY  
Marine Science, M. Sc., 1989; Major Professor: Dr. David O. Conover

ECKERD COLLEGE, St. Petersburg, FL  
Biology, B. Sc., 1984; Advisors: Drs. George K. Reid, John C. Ferguson

NEW TRIER EAST HIGH SCHOOL, Winnetka, IL (Diploma, 1978)

**EMPLOYMENT HISTORY (since baccalaureate)**

FLORIDA MARINE RESEARCH INSTITUTE (now Fish & Wildlife Research Institute),  
FLORIDA FISH & WILDLIFE CONSERVATION COMMISSION, St. Petersburg, FL  
Research Scientist, 1998-2006, Associate Research Scientist, 1994-1998,  
▪ Built a research program investigating the biology and ecology of marine and diadromous fishes, and applied these results to address fishery issues in Florida and regional marine ecosystems.

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, New Brunswick, NJ  
Fellowship, Tibor T. Polgar Fellowship, Hudson River Foundation, 1994,  
Fellowship, NOAA National Undersea Research Program, 1992-1994,  
Graduate Assistant, Institute of Marine and Coastal Sciences, 1991-1992,  
Teaching Assistant, Department of Biological Sciences, 1989-1990,  
▪ A period of intense training in teaching, research, and advisory services, culminating in my Ph.D.

STATE UNIVERSITY OF NEW YORK (now Stony Brook University), Stony Brook, Long Island, NY  
Fellowship, NOAA Sea Grant Scholar, 1987-1989,  
Research Assistant, Marine Sciences Research Center, 1986,  
▪ A period of intense training in teaching, research, and advisory services, culminating in my M.S. degree.

FIELD MUSEUM OF NATURAL HISTORY, Chicago, IL

Research and Curatorial Technician, 1985-1986.

- Assistant to National Science Foundation-funded research in paleobotany (Prof. Sir Peter R. Crane)

FOUNDATION FOR PRIDE, Turks and Caicos Islands, BWI

Field Station Manager, 1984-1985

- Managed a physical plant and developed environmental education programs for native islanders and tourists

CORNELL UNIVERSITY, Seatuck Research Program, Islip, NY

Research Technician, 1984, 1985 (Summers)

- Field work investigating an Open Marsh Water Management approach to mosquito control

**APPOINTMENTS, ADJUNCT PROFESSOR (Active)**

University of Maryland, Eastern Shore, Courtesy Faculty, Department of Natural Sciences, 2011-current

University of Massachusetts, Dartmouth, Courtesy Faculty, Department of Biology, 2009-current

University of South Florida, Tampa, Courtesy Faculty, Department of Biology, 2007-current

**CITIZENSHIP**

United States of America

**AWARDS & OTHER HONORS**

Professional

2007	Best Professional Paper (co-author), Florida Chapter, American Fisheries Society
2007	Best Student Poster-Runner up (co-author), Florida Chapter, American Fisheries Society
2005	Best Professional Poster-Runner up (co-author), Florida Chapter, American Fisheries Society
2004	W. F. Thompson Best Student Paper (McBride et al., 2002); Amer. Inst. Fish. Res. Biol.
2003	Supervisor Award, Florida Marine Research Institute
2003	Superior Proficiency Award, Florida Marine Research Institute
2002	Excellence in Science Award, Florida Marine Research Institute
2002	Best Student Poster (Junior author), Florida Chapter American Fisheries Society
2001	Superior Proficiency Award, Florida Marine Research Institute
2000	Best Student Presentation-Runner up (Junior author), Australian Assoc. Marine Sciences Meeting
2000	Best Student Presentation (Junior author), Florida Chapter American Fisheries Society
2000	Best Student Poster (Junior author), Florida Chapter, American Fisheries Society
2000	Best Professional Poster (Senior author), Florida Chapter, American Fisheries Society
1998	Promotion to Research Scientist, Florida Marine Research Institute

Student

1994	Tibor T. Polgar Fellowship, Hudson River Foundation
1994	Student Travel Award, Rutgers University
1990-1993	Manasquan Marlin and Tuna Club Scholarship
1993-1994	Student (Research) Assistantship, Rutgers University
1991-1993	National Undersea Research Program (NURP) Fellowship
1990-1991	Student (Research) Assistantship, Rutgers University
1989-1990	Student (Teaching) Assistantship, Rutgers University
1988	Student Travel Award, State University New York
1987-1989	Sea Grant (New York) Scholarship
1986-1987	Student (Teaching) Assistantship, State University New York
1983-1984	Listed in "The National Dean's List"
1982-1984	Honor Scholarship, Eckerd College

Table of Contents (McBride, CV)

**PUBLICATIONS** .....4  
 Peer-reviewed Journal Articles and Notes (in print, in press).....4  
 Manuscripts for peer-review (> 1st draft completed).....8  
 Non-peer reviewed journal articles .....9  
 Peer-reviewed Book Chapters (in print, in press) .....10  
 Symposium volumes .....10  
 Books .....11  
 Working Papers and Reports, not peer-reviewed (since dissertation).....11  
 Final Scientific Reports (SUNY–STONY BROOK and RUTGERS).....14  
 Popular/trade articles .....15  
**PRESENTATIONS** .....16  
 Platform Presentations at Professional Conferences .....16  
 Poster Presentations at Professional Conferences .....25  
 Other Scientific Presentations .....29  
**PROFESSIONAL SOCIETIES, MEMBERSHIP, AND SERVICE**.....35  
 Memberships (Active).....35  
 American Fisheries Society .....35  
 American Institute of Fishery Research Biologists .....35  
 FishBase (www.fishbase.org) .....35  
 Florida Marine Research Institute (1994-2006) .....35  
 Florida Representative, Fishery Management Agencies .....35  
 International Council for the Exploration of the Sea.....36  
 International Union for Conservation of Nature .....36  
 National Marine Fisheries Service (2006-present).....36  
 Northwest Atlantic Fisheries Organization .....36  
 Working papers at stock assessment meetings (Presenter) .....36  
 Journal Reviewer .....36  
 Editorial .....37  
 Grant Agency Reviewer.....37  
 Technical monitor of NOAA grants.....37  
 Scientific Conferences and Workshops .....37  
**SUPERVISORY EXPERIENCE**.....38  
**TEACHING & MENTORING EXPERIENCE**.....38  
 Appointments at academic institutions (post-doctoral) .....38  
 Courses taught.....38  
 Students, Interns, & Volunteers .....39  
 American Fisheries Society Hutton Junior Scholar.....39  
 Academic committee member.....39  
 Science Fair Judge .....40  
 Volunteer, miscellaneous.....40  
**CERTIFICATIONS, TRAINING, and OTHER RELEVANT EXPERIENCE**.....40  
 Regular training as a federal employee .....40  
 Other training.....40  
 Media Experience .....41  
 Scientific experience at sea .....41  
 Languages .....42  
**RESEARCH GRANTS and CONTRACTS** .....42

## PUBLICATIONS

### Peer-reviewed Journal Articles and Notes (in print, in press)

McElroy, W. David, Mark J. Wuenschel, Emilee K. Towle, and Richard S. **McBride**. 2016. Spatial and annual variation in fecundity and oocyte atresia of yellowtail flounder, *Limanda ferruginea*, in U.S. waters. *Journal of Sea Research*. A special issue for the 9<sup>th</sup> International Flatfish Symposium (Part 1). 107: 76–89.

(<http://dx.doi.org/10.1016/j.seares.2015.06.015> )

Collins, A.B., Barbieri, L.R., **McBride**, R.S., McCoy, E.D. and Motta, P.J. 2015. Reef relief and volume are predictors of Atlantic goliath grouper presence and abundance in the eastern Gulf of Mexico. *Bulletin of Marine Science*. 91(4): 399-418. (<http://dx.doi.org/10.5343/bms.2015.1001> )

Seyoum, Seifu, Angela B. Collins, Cecilia Puchulutegui, Richard S. **McBride**, and Michael D. Tringali. 2015. Genetically determined population structure of hogfish (Labridae: *Lachnolaimus maximus*) in the southeastern United States. *Fishery Bulletin*. 113(4): 442-455. (<http://fishbull.noaa.gov/1134/seyoum.pdf> )

**McBride**, Richard S. 2015. Diagnosis of paired age agreement: a simulation of accuracy and precision effects. *ICES Journal of Marine Science: Journal du Conseil*. A special issue for the 5<sup>th</sup> International Otolith Symposium. 72(7):2149-2167. (<http://dx.doi.org/10.1093/icesjms/fsv047> )

Collins, Angela B., and Richard S. **McBride**. 2015. Variations in reproductive potential between nearshore and offshore spawning contingents of hogfish in the eastern Gulf of Mexico. *Fisheries Management and Ecology*. 22(2): 113-124. <http://onlinelibrary.wiley.com/doi/10.1111/fme.12102/abstract>

Trippel, N. A., M. S. Allen, and R. S. **McBride**. 2015. Importance of resident and seasonally transient prey to largemouth bass in the St. Johns River, Florida. *Transactions of the American Fisheries Society*. 144(1): 140-149. <http://dx.doi.org/10.1080/00028487.2014.982177>

**McBride**, Richard S., Stylianos Somarakis, Gary R. Fitzhugh, Anu Albert, Nathalia A. Yaragina, Mark J. Wuenschel, Alexandre Alonso-Fernández, Gualtiero Basilone. 2015. Energy acquisition and allocation to egg production in relation to fish reproductive strategies. *Fish and Fisheries*. 16(1): 23-57 (<http://dx.doi.org/10.1111/faf.12043>).

Winton, M. V., M. J. Wuenschel, and R. S. **McBride**. 2014. Investigating spatial variation and temperature effects on maturity of female winter flounder (*Pseudopleuronectes americanus*) using generalized additive models. *Canadian Journal of Fisheries and Aquatic Sciences*. 71: 1279-1290. <http://www.nrcresearchpress.com/doi/pdf/10.1139/cjfas-2013-0617>

**McBride**, R. 2014. Managing a marine stock portfolio: stock identification, structure, and management of 25 fishery species along the Atlantic coast of the United States. *North American Journal of Fisheries Management*. 34(4): 710-734. <http://dx.doi.org/10.1080/02755947.2014.902408>

Press, Y. K., R. S. **McBride**, M. J. Wuenschel. 2014. Time course of oocyte development in winter flounder (Pleuronectidae: *Pseudopleuronectes americanus*) and spawning seasonality for the Gulf of Maine, Georges Bank, and Southern New England stocks. *Journal of Fish Biology*. 85(2): 421-445. <http://dx.doi.org/10.1111/jfb.12431>

Hyle, R., R. **McBride**, and J. Olney. 2014. Determinate versus indeterminate fecundity of American shad, an anadromous clupeid. *Transactions of the American Fisheries Society*. 143(3): 618-633 (<http://dx.doi.org/10.1080/00028487.2013.862178>)

Adams, Aaron J., Andrij Z. Horodysky, Richard S. **McBride**, Kathryn Guindon, Jonathan Shenker, Timothy C. MacDonald, Heather D. Harwell, Rocky Ward, and Kent Carpenter. 2014. Global conservation status and research needs for tarpons (Megalopidae), ladyfishes (Elopidae), and bonefishes (Albulidae). *Fish and Fisheries*. 15(2): 280-311. (<http://dx.doi.org/10.1111/faf.12017> )

- McBride**, Richard S., Vidal, Tiffany E., and Steven X. Cadrin. 2013. Changes in size and age at maturity by the northern stock of tilefish (*Lopholatilus chamaeleonticeps*) following a period of overfishing. *Fishery Bulletin*. 111: 161-174. (<http://dx.doi.org/10.7755/FB.111.2.4> ).
- Basilone, G., A. Bonanno, B. Patti, S. Mazzola, M. Barra, A. Cuttitta, and R. **McBride**. 2013. Spawning site selection by European anchovy (*Engraulis encrasicolus*) in relation to oceanographic conditions in the Strait of Sicily. *Fisheries Oceanography*. 22(4): 309-323 (<http://dx.doi.org/10.1111/fog.12024> )
- Baumann, Hannes, Sandra J. Sutherland, and Richard S. **McBride**. 2013. Longitudinal length back-calculations from otoliths and scales differ systematically in haddock. *Transaction of American Fisheries Society*. 142(1):184–192. (<http://dx.doi.org/10.1080/00028487.2012.728168>)
- McBride**, Richard S., Mark J. Wuenschel, Paul Nitschke, Grace Thornton, and Jeremy R. King. 2013. Latitudinal and stock-specific variation in size- and age-at-maturity of female winter flounder, *Pseudopleuronectes americanus*, as determined with gonad histology. *Journal of Sea Research*. A special issue for the 8<sup>th</sup> International Flatfish Symposium. 75:41-51. (<http://dx.doi.org/10.1016/j.seares.2012.04.005>)
- McElroy, W. David, Mark J. Wuenschel, Yvonna K. Press, Emilee K. Towle, and Richard S. **McBride**. 2013. Differences in female individual reproductive potential among three stocks of winter flounder, *Pseudopleuronectes americanus*. *Journal of Sea Research*. 75: 52-61. (<http://dx.doi.org/10.1016/j.seares.2012.05.018>)
- Wuenschel, Mark J., Richard S. **McBride**, and Gary R Fitzhugh. 2013. Relations between total gonad energy and physiological measures of condition in the period leading up to spawning: Results of a laboratory experiment on black sea bass (*Centropristis striata*). *Fisheries Research*. 138:110-119. (<http://dx.doi.org/10.1016/j.fishres.2012.05.012>)
- Molecular Ecology Resources Primer Development Consortium, and coauthors. 2012. Permanent genetic resources added to Molecular Ecology Resources Database 1 February 2012 – 31 March 2012: Twenty-nine polymorphic microsatellite loci for the genetic management of captive-bred hogfish (*Lachnolaimus maximus*) and assessments of globally declining natural populations, by S. Seyoum, M. D. Tringali, B. L. Barthel, C. Puchulutegui, M. C. Davis, A. B. Collins, and R. S. **McBride** (<http://biomath.trinity.edu/manuscripts/12-4/mer-12-0057.pdf> ). *Molecular Ecology Resources* 12(4):779-781.
- Duffy, W. J., Richard S. **McBride**, Michael L. Hendricks, and Kenneth Oliveira. 2012. Otolith age validation and growth estimation from oxytetracycline-marked and recaptured American shad. *Transactions of American Fisheries Society*. 141: 1664-1671. (<http://dx.doi.org/10.1080/00028487.2012.720631>)
- McBride**, Richard S., Derke J. G. Snodgrass, Douglas H. Adams, Steven J. Rider, and James A. Colvocoresses. 2012. An indeterminate model to estimate egg production of the highly iteroparous and fecund fish, dolphinfish (*Coryphaena hippurus*). *Bulletin of Marine Science*. 88: 283–303. (<http://dx.doi.org/10.5343/bms.2011.1096> )
- McBride**, R.S. and R. E. Matheson. 2011. Florida’s diadromous fishes: biology, ecology, conservation, and management. *Florida Scientist*. 74(3): 187–213. (<http://www.floridaacademyofsciences.org/pdf/FLSC-74-03.pdf> )
- Duffy, W. J., R. S. **McBride**, S. X. Cadrin, and K. Oliveira. 2011. Is Cating’s method of transverse groove counts to annuli applicable for all stocks of American shad *Alosa sapidissima*? *Transactions of the American Fisheries Society* 140(4):1023-1034. (<http://dx.doi.org/10.1080/00028487.2011.603985> )
- Collins, A. B. and R. S. **McBride**. 2011. Demographics by depth: Spatially explicit life-history dynamics of a protogynous reef fish. *Fishery Bulletin, U. S.* 109:232–242. (<http://fishbull.noaa.gov/1092/collins.pdf> )
- Fitzhugh, Gary, Mark Wuenschel, Rich **McBride**. 2010. Evaluation of bioelectrical impedance analysis (BIA) to measure condition and energy allocated to reproduction in marine fishes. Proceedings of the International Conference on Electrical Bioimpedance. University of Florida, Gainesville. April 4-8. *Journal of Physics: Conference Series*. 224(1): (<http://iopscience.iop.org/1742-6596/224/1/012137/>)

- McBride**, R. S., J. E. Harris, A. R. Hyle, and J. C. Holder. 2010. The spawning run of blueback herring in the St. Johns River, Florida. *Transactions of the American Fisheries Society*. 139:598–609. (<http://dx.doi.org/10.1577/T09-068.1> )
- McBride**, R.S., C. R. Roche, R. Ruiz-Carus and B. W. Bowen. 2010. A new species of ladyfish, of the genus *Elops* (Elopiformes: Elopidae), from the western Atlantic Ocean. *Zootaxa*. 2346:29-41. (<http://www.mapress.com/zootaxa/2010/f/zt02346p041.pdf>)
- McBride**, Richard S., Kristin L. Maki Jenkins, and M. Bakenhaster. 2010. Philometrid (Nematoda: Philometridae) parasites are present in wahoo, *Acanthocybium solandri*, ovaries but do not preclude spawning by the host. Pages 138-140 in David M. Wyanski and Nancy J. Brown-Peterson, (Eds.). Proceedings of the 4<sup>th</sup> Workshop on Gonadal Histology of Fishes. El Puerto de Santa María, Cádiz, Spain. 16-19 June 2009. (<http://hdl.handle.net/10261/24937>)
- Wuenschel, Mark J., Richard S. **McBride**, Grace M. Thornton, and Paul Nitschke. 2010. The reproductive biology of female winter flounder (*Pseudopleuronectes americanus*): validating classification schemes to assess the importance of ‘skip spawning.’ Pages 103-107 in David M. Wyanski and Nancy J. Brown-Peterson, (Eds.). Proceedings of the 4<sup>th</sup> Workshop on Gonadal Histology of Fishes. El Puerto de Santa María, Cádiz, Spain. 16-19 June 2009. (<http://hdl.handle.net/10261/24937>)
- McBride**, R. S., K. J. Sulak, P. E. Thurman, and A. K. Richardson. 2009. Age, growth, mortality and reproduction of roughnose bass, *Pronotogrammus martinicensis* (Serranidae), in the northeastern Gulf of Mexico. *Gulf of Mexico Science*. 27(1): 30-38. ([http://goms.disl.org/assets/goms\\_disl/uploads/toc/1991\\_2010/goms-27-01-30-38.pdf](http://goms.disl.org/assets/goms_disl/uploads/toc/1991_2010/goms-27-01-30-38.pdf))
- Maki Jenkins, K. L., and R. S. **McBride**. 2009. Reproductive biology of wahoo, *Acanthocybium solandri*, from the Atlantic coast of Florida and the Bahamas. *Marine and Freshwater Research*. 60(9): 893–897. (<http://dx.doi.org/10.1071/MF08211> )
- Harris, J. E., and R. S. **McBride**. 2009. American shad feeding on spawning grounds in the St. Johns River, Florida. *Transactions of the American Fisheries Society*. 138:888-898. (<http://dx.doi.org/10.1577/T08-135.1> )
- McBride**, R. S. and J. C. Holder. 2008. A review and updated assessment of Florida’s anadromous shads: American shad and hickory shad. *North American Journal of Fisheries Management*. 28(6): 1668-1686. (<http://dx.doi.org/10.1577/M07-066.1> )
- McBride**, R. S., A. K. Richardson, and K. L. Maki. 2008. Age, growth, and mortality of wahoo, *Acanthocybium solandri*, from the Atlantic coast of Florida and the Bahamas. *Marine and Freshwater Research*. 59(9): 799-807. (<http://dx.doi.org/10.1071/MF08021> )
- McBride**, R. S., P. E. Thurman, and L. H. Bullock. 2008. Regional variations of hogfish (*Lachnolaimus maximus*) life history: consequences for spawning biomass and egg production models. *Journal of Northwest Atlantic Fishery Science*. 41: 1–12. (<http://journal.nafo.int/41/41.html> )
- McBride**, R.S. and M. Johnson. 2007. Sexual development and reproductive seasonality of hogfish (Labridae: *Lachnolaimus maximus*), an hermaphroditic reef fish. *Journal of Fish Biology*. 71(5): 1270-1292. (<http://dx.doi.org/10.1111/j.1095-8649.2007.01580.x> )
- Harris, J. E., R. S. **McBride**, and R. O. Williams. 2007. Life history of hickory shad in the St. Johns River, Florida. *Transactions of the American Fisheries Society*. 136:1463–1471. (<http://dx.doi.org/10.1577/T06-187.1>)
- Trippel, N. A., M. S. Allen, and R. S. **McBride**. 2007. Seasonal trends in abundance and size of juvenile American shad, hickory shad, and blueback herring in the St. Johns River, Florida, and comparison with historical data. *Transactions of the American Fisheries Society*. 136: 988-993. (<http://dx.doi.org/10.1577/T06-232.1> )
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- Able, K. W., M. P. Fahay, D. A. Witting, R. S. **McBride**, and S. M. Hagan. 2006. Fish settlement in the ocean vs. estuary: comparisons of pelagic larval and settled juvenile composition and abundance from southern New Jersey, U.S.A. *Estuarine, Coastal and Shelf Science*. 66(1-2): 280-290. (<http://dx.doi.org/10.1016/j.ecss.2005.09.003>)
- McBride**, R. S., M. L. Hendricks, and J. E. Olney. 2005. Testing the validity of Cating's (1953) criteria for age determination of American shad using scales. *Fisheries*. 30(10): 10-18. ([http://dx.doi.org/10.1577/1548-8446\(2005\)30\[10:TTVOCM\]2.0.CO;2](http://dx.doi.org/10.1577/1548-8446(2005)30[10:TTVOCM]2.0.CO;2))
- Patterson, H. M., R. G. Taylor, and R.S. **McBride**. 2005. Coastal origin of common snook, *Centropomus undecimalis*, in Florida Bay. *Gulf and Caribbean Research*. 17: 25-30. ([http://www.usm.edu/gcrl/gulf\\_caribbean\\_research/Vol%2017%20Abstracts.pdf](http://www.usm.edu/gcrl/gulf_caribbean_research/Vol%2017%20Abstracts.pdf))
- McBride**, R.S. and A.Z. Horodysky. 2004. Mechanisms maintaining sympatric distributions of two ladyfish (Elopidae: *Elops*) morphs in the Gulf of Mexico and western North Atlantic Ocean. *Limnology and Oceanography*. 49(4): 1173-1181. ([http://www.aslo.org/lo/toc/vol\\_49/issue\\_4/1173.pdf](http://www.aslo.org/lo/toc/vol_49/issue_4/1173.pdf))
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- McBride**, R.S., F.J. Stengard, and B. Mahmoudi. 2002. Maturation and diel reproductive periodicity for round scad, (Carangidae: *Decapterus punctatus*). *Marine Biology*. 140 (4): 713-722. (<http://dx.doi.org/10.1007/s00227-001-0759-4>)
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## PRESENTATIONS

### Platform Presentations at Professional Conferences

Presented by 1<sup>st</sup> author unless noted (Invited\*)

**McBride**, Richard S., Rosalia Ferreri, Emilee K. Towle, and Gualtiero Basilone. 2016. A re-evaluation of yolked oocyte development and estimates of American shad annual fecundity in the Connecticut River, USA. Southern New England Chapter, American Fisheries Society Winter Meeting. January 14. Avery Point, CT.

- McBride**, Richard S., Emilee K. Towle, and Jason Boucher. 2016. Evaluating bias and precision of fish fecundity estimates: Location effects within the ovary. Southern New England Chapter, American Fisheries Society Winter Meeting. January 14. Avery Point, CT (poster).
- Boucher, Jason M. and Richard S. **McBride**. 2016. Demographics and dynamics of the 2015 spawning migration of American shad, *Alosa sapidissima*, in the Connecticut River. Southern New England Chapter, American Fisheries Society Winter Meeting. January 14. Avery Point, CT.
- McBride**, Richard. 2015. To measure is to know: examples of variable or revised spawning rates by four species from boreal to tropical marine systems. 145th Annual Meeting of the American Fisheries Society. August 16-20.
- Johnson, A.K., Harry Grier, Richard S. **McBride**, Evan Lindsay, and R. Anne Richards. 2015. Ovarian development and spawning seasonality of goosefish. 145<sup>th</sup> Annual Meeting of the American Fisheries Society. August 16-20 (Presenter, McBride).
- McBride**, Richard, Stylianos Somarakis, Gary R. Fitzhugh, Anu Albert, Nathalia Yaragina, Mark J. Wuenschel, Alexandre Alonso-Fernández, and Gualtiero Basilone. 2015. Energy acquisition and allocation to egg production in relation to fish reproductive strategies. Southern New England Chapter, American Fisheries Society Winter Meeting. January 27 (rescheduled due to snow), Narragansett, RI.
- Pitchford, Steven, Brian Smith, Richard **McBride**. 2015. Needles in a haystack: Do advanced sampling techniques improve on traditional methods for finding rare prey items in the stomach contents of predators? The case of Atlantic Cod (*Gadus morhua*) and the Spiny Dogfish (*Squalus acanthius*). Southern New England Chapter, American Fisheries Society Winter Meeting. January 27 (rescheduled due to snow), Narragansett, RI.
- Wuenschel, Mark J., W. David McElroy, Emilee K. Towle, and Richard S. **McBride**. 2014. Modeling Variation in Fecundity of Winter Flounder, *Pseudopleuronectes americanus*, in US Waters: Does the Autodiametric Method Mask Individual Variation? 14<sup>th</sup> Flatfish Biology Conference. 3-4 December. Westbrook, CT.
- Wuenschel, Mark J., W. David McElroy, Emilee K. Towle, and Richard S. **McBride**. 2014. Modeling Variation in Fecundity of Winter Flounder, *Pseudopleuronectes americanus*, in US Waters: Does the Autodiametric Method Mask Individual Variation? 9<sup>th</sup> International Flatfish Symposium. Cle Elum, WA, November 9-14.
- McElroy, W. D., M. J. Wuenschel, E. K. Towle, and R. S. **McBride**. 2014. Spatial and annual variation in fecundity and oocyte atresia of yellowtail flounder, *Limanda ferruginea*, in U.S. waters. 9<sup>th</sup> International Flatfish Symposium. Cle Elum, WA, November (Speaker, McBride)
- McBride**, R. 2014. Use and nonuse of tests of symmetry in age validation studies. 5<sup>th</sup> International Otolith Symposium. Mallorca, Spain. October 22, 2014.
- A.R. Hyle, R. S. **McBride**, J. E. Olney. 2014. Determinate versus indeterminate fecundity in American Shad, an anadromous clupeid. Florida Chapter of the American Fisheries Society. 34th Annual Meeting. Ocala, FL. February 18-20.
- A.R. Hyle, R. S. **McBride**, J. E. Olney. 2014. Determinate versus indeterminate fecundity in American Shad, an anadromous clupeid. Southern New England Chapter semi-annual meeting of the American Fisheries Society. Hadley, Massachusetts. January 22, 2014. (McBride, presenter)
- McBride**, R. S., T. E. Vidal, S. X. Cadrin. 2013. Changes in size and age at maturity of the northern stock of Tilefish (*Lopholatilus chamaeleonticeps*) after a period of overfishing. Summer Meeting of the Southern New England Chapter of the American Fisheries Society. Bristol, RI. June 19.
- Lindsay, Evan K., Richard S. **McBride**, Andrea K. Johnson. 2013. Exploring fecundity-somatic relationships in the American goosefish, *Lophius americanus*. University of Maryland Eastern Shore's 2013 Regional Research Symposium. Princess Anne, MD. April 16, 2013

Baumann, H., S.J. Sutherland, and R. S. **McBride**. 2013. Longitudinal Length Back-Calculations from Otoliths and Scales Differ Systematically in Haddock. Winter meeting of the Southern New England Chapter-American Fisheries Society. Groton, CT. January 16.

McElroy, David W., Emilee K. Towle, Yvonna K. Press, Mark J. Wuenschel, and Richard S. **McBride**. Comparison of fecundity and down-regulation among stocks and years for female yellowtail flounder, *Limanda ferruginea*. Thirteenth Flatfish Biology Conference. Westbrook, CT. December 4-5.

Wuenschel, Mark J., W. David McElroy, and Richard S. **McBride**. Can variation in fecundity of winter flounder (*Pseudopleuronectes americanus*) be explained by measures of condition? Thirteenth Flatfish Biology Conference. Westbrook, CT. December 4-5.

**McBride**, Richard S., Angela B. Collins, Seifu Seyoum, and Michael Tringali. 2012. Building Strong Inference to Distinguish Fishing and Environmental Effects in a Data-limited Fishery. The Relative Importance of Fishing and the Environment in the Regulation of Fish Population Abundance, A Symposium of the American Institute of Fishery Research Biologists. New Bedford, MA. June 26-28, 2012

Pitchford, Steven, Brian Smith, Sheila Stiles, Christopher Brown, and Richard **McBride**. 2012. Using methods of molecular biology to identify Atlantic Cod (*Gadus morhua*) remains in Spiny Dogfish (*Squalus acanthus*) stomach contents. Winter meeting of the Southern New England Chapter-American Fisheries Society. Narragansett, RI. January 26.

**McBride**, R., M. Wuenschel, D. McElroy, Y. Rowinski, E. Towle, and J. King. 2011. Beyond “Flatland”: A multi-dimensional approach to classify female winter flounder (*Pseudopleuronectes americanus*) maturity and reproductive seasonality. International Flatfish Symposium. IJmuiden, Netherlands. 6-11 November.

McElroy, W.D., Y. K. Rowinski., E.K. Towle, M.J. Wuenschel, and R. S. **McBride**. 2011. Reproductive potential of female *Pseudopleuronectes americanus*: comparison of fecundity and skipped spawning among three stocks. International Flatfish Symposium. IJmuiden, Netherlands. 6-11 November.

Richard S. **McBride**\*, Mark J. Wuenschel, W. David McElroy, and Gary R. Fitzhugh. 2011. Understanding reproductive dynamics of marine fishes to inform fishery management. 35th Annual Larval Fish Conference. 22-26 May 2011, Wilmington, NC. (Symposium Keynote Address)

Wuenschel, Mark J., Richard S. **McBride**, Gary R. Fitzhugh. Relations between reproductive development and physiological measures of condition: results of a laboratory experiment with black sea bass (*Centropristis striata*). Fish Reproduction and Fisheries. May 16-20, 2011, Vigo, Spain.

**McBride**, R. S., D. J. G. Snodgrass, D. H. Adams, S. J. Rider, and J. A. Colvocoresses. 2011. A reassessment of dolphinfish (*Coryphaena hippurus*) maturation, spawning frequency, and fecundity based on a histology-based appraisal of their ovaries. Reproductive Resilience Symposium of the 19<sup>th</sup> Annual meeting of the Southern Division-American Fisheries Society. Tampa, FL. January 13-16.

Breton, Jonathan, Robert Drew, Richard **McBride**, and Ken Oliveira. 2010. Development of 11 microsatellite primer sets for use in exploring gene flow and population structure yellowtail flounder (*Limanda ferruginea*). Twelfth Flatfish Biology Conference. Westbrook, CT. December 1-2.

**McBride**, Richard, Mark Wuenschel, and Paul Nitschke. 2010. Winter flounder maturation, between stocks and years, an AIC analysis of female maturity ogives based on gonad histology. Twelfth Flatfish Biology Conference. Westbrook, CT. December 1-2.

McElroy, Dave, Yvonna Rowinski, Mark Wuenschel, and Richard **McBride**. 2010. Application of the auto-diametric method of estimating fecundity to winter flounder, *Pseudopleuronectes americanus*. Twelfth Flatfish Biology Conference. Westbrook, CT. December 1-2.

Rowinski, Yvonna, Dave McElroy, Mark Wuenschel, and Richard **McBride**. 2010. Examination of monthly oocyte development and spawning patterns in Gulf of Maine winter flounder, *Pseudopleuronectes americanus*, by macroscopic and histological methodologies. Twelfth Flatfish Biology Conference. Westbrook, CT. December 1-2.

Wuenschel, Mark, Dave McElroy, and Richard **McBride**. 2010. Seasonal patterns in body condition and proximate composition for three flatfishes: winter, yellowtail and summer flounder. Twelfth Flatfish Biology Conference. Westbrook, CT. December 1-2.

\*Duffy, William, Richard **McBride**, Mike Hendricks, Steve Cadrin, and Ken Oliveira. 2010. Validation of an otolith ageing method for American shad *Alosa sapidissima*. The 140<sup>th</sup> Annual Meeting of the American Fisheries Society. Pittsburg, PA. September 12-16. Invited presentation for a special symposium, "Restoration of American Shad and River Herring in Atlantic Coastal Waters."

Wuenschel, Mark J., Sandra Sutherland, Andrew Foley, Richard McBride, Elizabeth Brooks, Kevin Friedland. 2010. Evaluating environmental influence on growth, maturity, and subsequent recruitment dynamics in Georges Bank haddock (*Melanogrammus aeglefinus*). The 140<sup>th</sup> Annual Meeting of the American Fisheries Society. Pittsburg, PA. September 12-16.

**McBride**, R. S., S. J. Sutherland, L. A. Lombardi, and R. J. Allman. 2010. Measuring, minimizing, and mitigating ageing error for stock assessments. Summer Meeting of the Southern New England Chapter of the American Fisheries Society. Groton, CT. June 23.

Fitzhugh, Gary, Mark Wuenschel, Rich **McBride**. 2010. Evaluation of bioelectrical impedance analysis (BIA) to measure condition and energy allocated to reproduction in marine fishes. International Conference on Electrical Bioimpedance. University of Florida, Gainesville. April 4-8.

\***McBride**, R. S., S. J. Sutherland, L. A. Lombardi, and R. J. Allman. 2010. Measuring, minimizing, and mitigating ageing error for stock assessments. 'Uncertainty in Fisheries Science' Symposium. Florida Chapter of the American Fisheries Society. 30th Annual Meeting. Ocala, FL. February 16-18.

William Duffy, Richard **McBride**, Mike Hendricks, Ken Oliveira. 2010. Validation of an otolith ageing method for American shad *Alosa sapidissima*. Winter Meeting of the Southern New England Chapter of the American Fisheries Society. Groton, CT. January 28.

Wuenschel, M., R. **McBride**, and Gary Fitzhugh. 2009. Evaluation of bioelectrical impedance analysis (BIA) to measure patterns of condition and energy allocation in marine groundfishes. Special Symposium on bioelectrical impedance analysis. American Fisheries Society. 139th Annual Meeting. Nashville, TN. August 30- September 3.

Kevin Friedland, Jennifer McCarthy, Jon Brodziak, Richard **McBride**, and Claire Hoey. 2009. Determining haddock, *Melanogrammus aeglefinus*, fecundity and egg size via two automated methods: implications for ecological and recruitment studies. American Fisheries Society. 139th Annual Meeting. Nashville, TN. August 30- September 3.

**McBride**, R. S., J. E. Harris, A. R. Hyle, and J. C. Holder. 2009. The spawning run of blueback herring (*Alosa aestivalis*) in Florida's St. Johns River. American Fisheries Society. 139th Annual Meeting. Nashville, TN. August 30- September 3. (Presented by J. Harris).

Wuenschel, Mark J., Richard S. **McBride**, Grace M. Thornton, and Paul Nitschke. 2009. The reproductive biology female winter flounder (*Pseudopleuronectes americanus*): validating classification schemes to assess the importance of 'skip spawning.' 4<sup>th</sup> Workshop on Gonadal Histology of Fishes. 16-19 June 2009. El Puerto de Santa María, Cádiz, Spain.

Hyle, R., J.C. Holder, R.S. **McBride** and J.E. Harris. 2009. The spawning run of blueback herring (*Alosa aestivalis*) in Florida's St. Johns River. Florida Chapter of the American Fisheries Society. 29th Annual Meeting. Ocala, FL. February 17-19. (Presented by R. Hyle)

Wuenschel, M., and R. **McBride**. 2009. Evaluation of bioelectrical impedance analysis (BIA) to measure patterns of condition and energy allocation in marine groundfishes. NEFSC Science Symposium. Newport, RI. January 21-23.

Duffy, W., K. Oliveira, R. **McBride**, and S. Cadrin. 2009. Is Cating's method of transverse counts to annuli in American shad (*Alosa sapidissima*) applicable to rivers other than the Hudson? NEFSC Science Symposium. Newport, RI. January 21-23.

**McBride**, R. and M. Wuenschel. 2009. Contrasting reproductive styles of marine fishes: implications for assessing egg production and the status of stocks. Winter Meeting of the Southern New England Chapter of the American Fisheries Society. Bristol, RI. January 14.

Duffy, W., K. Oliveira, R. **McBride**, and S. Cadrin. 2009. Is Cating's method of transverse counts to annuli in American shad (*Alosa sapidissima*) applicable to rivers other than the Hudson? Winter Meeting of the Southern New England Chapter of the American Fisheries Society. Bristol, RI. January 14.

**McBride**, R., M. Wuenschel, G. Thornton, and P. Nitschke. 2008. The Reproductive Strategy and Tactics of Female Winter Flounder (*Pseudopleuronectes americanus*): A Review of Biotic and Abiotic Processes. Eleventh Flatfish Biology Conference, December 3-4, Westbrook, CT.

<http://www.nefsc.noaa.gov/publications/crd/crd0819/crd0819.pdf>

Fitzhugh, G., R. **McBride**, L. Lombardi-Carlson, M. Cook, and C. Porch. 2008. Assessing reef fish reproductive potential: time for new direction? 10<sup>th</sup> National Stock Assessment Workshop (NSAW-10): improving integrated surveys and stock assessments. Port Townsend, WA. May 6-8.

**McBride**, R., G. Fitzhugh, M. Wuenschel, and J. Burnett. 2008. The biological basis of egg production and the implications for stock assessment models. 10<sup>th</sup> National Stock Assessment Workshop (NSAW-10): improving integrated surveys and stock assessments. Port Townsend, WA. May 6-8.

\***McBride**, R., G. Fitzhugh, A. Collins. 2008. A case study of hogfish, *Lachnolaimus maximus*: fish houses, hard parts, sex change, and SEDAR. Florida Chapter of the American Fisheries Society. 28th Annual Meeting. Ocala, FL. February 19-21.

Fitzhugh, G., R. **McBride**, L. Lombardi-Carlson, and M. Cook. 2008. Assessing reef fish reproductive potential: time for new direction? Florida Chapter of the American Fisheries Society. 28th Annual Meeting. Ocala, FL. February 19-21.

Maki, K. L., and R. S. **McBride**. 2007. Reproductive biology of wahoo, *Acanthocybium solandri*, from the Atlantic coast of Florida and the Bahamas. American Fisheries Society. 137th Annual Meeting. San Francisco, CA. September 2-6.

**McBride**, R. S., A. K. Richardson, and K. L. Maki. 2007. Age, growth, and mortality of wahoo, *Acanthocybium solandri*, from the Atlantic coast of Florida and the Bahamas. American Fisheries Society. 137th Annual Meeting. San Francisco, CA. September 2-6.

Collins, A.B. and R.S. **McBride**. 2007. Hogfish Cooperative Research Project: Science with Spearfishers. American Fisheries Society. 137th Annual Meeting. San Francisco, CA. September 2-6.

**McBride**, R. S., S. J. Sutherland, J. M. Burnett, and N. E. Kohler. 2007. History and Applications of Ageing Living Marine Resources at the Northeast Fisheries Science Center. First International Sclerochronology Conference. St. Petersburg, FL. July 17-21.

**McBride**, R. S. 2007. Patterns and processes of fish reproduction: a primer. Florida Chapter of the American Fisheries Society. 27th Annual Meeting. Ocala, FL. February 20-22.

Collins, A.B. and R.S. **McBride**. 2007. Hogfish Cooperative Research Project: Science with Spearfishers. Florida Chapter of the American Fisheries Society. 27th Annual Meeting. Ocala, FL. February 20-22. (Presented by A.

Collins). **Best Professional Paper Award.**

Sutherland, Sandra J., Loretta O'Brien, Sarah E. Pregracke, J. Burnett, R. **McBride**, and Ralph K. Mayo. 2006. Recent trends in weight-at-age and growth of New England flatfishes. Tenth Flatfish Biology Conference, November 29-30, 2006, Westbrook, CT. (<http://www.nefsc.noaa.gov/publications/crd/crd0623/index.htm>)

**McBride**, R.S., M. R. Johnson, and L. H. Bullock. 2006. Sexual and reproductive development of hogfish (Labridae: *Lachnolaimus maximus*), a hermaphroditic reef fish. American Fisheries Society. 136th Annual Meeting. Lake Placid, NY. September 10-14.

**McBride**, R. S., A. K. Richardson, and A. S. Collins. 2006. Age, growth, and mortality of hogfish (Labridae: *Lachnolaimus maximus*), a hermaphroditic reef fish. American Fisheries Society. 136th Annual Meeting. Lake Placid, NY. September 10-14. (Presented by A. Collins).

**McBride**, R.S., M. R. Johnson, and L. H. Bullock. 2006. Sexual and reproductive development of hogfish (Labridae: *Lachnolaimus maximus*), a hermaphroditic reef fish. Florida Chapter of the American Fisheries Society. 26th Annual Meeting. Ocala, FL. February 21-23.

**McBride**, R. S., A. K. Richardson, and A. S. Collins. 2006. Age, growth, and mortality of hogfish (Labridae: *Lachnolaimus maximus*), a hermaphroditic reef fish. Florida Chapter of the American Fisheries Society. 26th Annual Meeting. Ocala, FL. February 21-23. (Presented by A. Collins).

Patterson, H.M., R.S. **McBride**, and N. Julien. 2005. Population structure of red drum (*Sciaenops ocellatus*) as determined by otolith chemistry. For the Symposium: Estuarine Fish Recruitment. 18<sup>th</sup> Annual Meeting of the Estuarine Research Federation. Norfolk, VA. October 16-21. (Presented by R. McBride).

**McBride**, R. S., M. Johnson, L. Bullock, and P. Thurman. 2005. Sexual development of a protogynous hermaphrodite, hogfish *Lachnolaimus maximus*, with an emphasis on identifying first-year males. Gonadal Histology Workshop for Hermaphroditic Fishes. Florida Fish and Wildlife Research Institute, St. Petersburg, FL. July 12-13.

**McBride**, R. S. 2005. Welcoming remarks for the symposium: Florida's Diadromous Fishes: their biology, ecology, management, and conservation. Florida Chapter of the American Fisheries Society. 25th Annual Meeting. Ocala, FL. February 22-24.

\***McBride**, R. S., J. C. Holder, and R. O. Williams. 2005. The biology, ecology, management, and conservation of Florida's *Alosa* species. Florida Chapter of the American Fisheries Society. 25th Annual Meeting. Ocala, FL. February 22-24.

\*Harris J. E., R. S. **McBride** and R. O. Williams. 2005. Comparison of life history and population dynamics of hickory shad in the St. Johns River, Florida, in the 1970's and 2000's. Florida Chapter of the American Fisheries Society. 25th Annual Meeting. Ocala, FL. February 22-24. (Presented by K. Maki).

\*Trippel, N. A., M. S. Allen, and R. S. **McBride**. 2005. Seasonal changes in prey abundance relative to predator diets in the St. Johns River, Florida. Florida Chapter of the American Fisheries Society. 25th Annual Meeting. Ocala, FL. February 22-24.

Allen, M., R. **McBride**, R. Taylor, W. Porak, and M. Hale. 2005. 25 Years of the Florida Chapter American Fisheries Society. Florida Chapter of the American Fisheries Society. 25th Annual Meeting. Ocala, FL. February 22-24.

Trippel, N. A., M. S. Allen, and R. S. **McBride**. 2005. Abundance and Potential Effects of Predators on Seaward Migrating Juvenile *Alosa* spp. in the St. Johns River, Florida. Southern Division of the American Fisheries Society Annual Meeting. Virginia Beach, Virginia.

**McBride**, R. S., K. L. Maki, and J. De Silva. 2004. Lessons learned from measuring ageing precision of simulated

fish populations. The 57<sup>th</sup> Annual Meeting of the Gulf and Caribbean Fisheries Institute. St. Petersburg, FL. November 8-12.

Maki, K., R. **McBride**, and M. Murphy. 2004. Biology of wahoo in Florida and the Bahamas. The 57<sup>th</sup> Annual Meeting of the Gulf and Caribbean Fisheries Institute. St. Petersburg, FL. November 8-12.

Harris, J. E., R. S. **McBride**, and R. O. Williams. 2004. Life history of hickory shad, *Alosa mediocris*, in the St. Johns River, Florida. Annual meeting of the American Fisheries Society. Madison, WI. August 22-26.

**McBride**, R. S. 2004. Biology and management of hogfish, *Lachnolaimus maximus*. Annual meeting of the American Fisheries Society. Madison, WI. August 22-26.

**McBride\***, R. S., P. E. Thurman, L. H. Bullock, and M. R. Johnson. 2004. Effects of size and age truncation on hogfish (*Lachnolaimus maximus*) egg output in Florida. 28<sup>th</sup> Annual Larval Fish Conference. Clemson, SC. May 23-26.

Patterson, H.M., R.S. **McBride**, and N. Julien. 2004. Population structure of red drum (*Sciaenops ocellatus*) as determined by otolith chemistry. 28<sup>th</sup> Annual Larval Fish Conference. Clemson, SC. May 23-26. (Presented by R. McBride).

Chandler, G. M., J. C. Holder, and R. S. **McBride**. 2004. The progression of spawning seasonality of American shad in the Saint Johns River, Florida. Florida Chapter of the American Fisheries Society. 24th Annual Meeting. Brooksville, FL. February 23-25.

Patterson, H.M., R. G. Taylor, and R.S. **McBride**. 2004. Natal origin of common snook, *Centropomus undecimalis*, in Florida Bay. Florida Chapter of the American Fisheries Society. 24th Annual Meeting. Brooksville, FL. February 23-25. (Presented by R. Taylor).

Patterson, H.M., R.S. **McBride**, and N. Julien. 2004. Population structure of red drum (*Sciaenops ocellatus*) as determined by otolith chemistry. Florida Chapter of the American Fisheries Society. 24th Annual Meeting. Brooksville, FL. February 23-25. (Presented by R. McBride).

**McBride**, R.S., and K.L. Maki. 2003. Wahoo (Scombridae: *Acanthocybium solandri*) larvae in the Gulf of Mexico SEAMAP collections. 27<sup>th</sup> Annual Larval Fish Conference. Santa Cruz, CA. August 20-23.

Whitaker, S. M., L.J. Jenkins, J.C. Holder, and R.S. **McBride**. 2003. Monitoring Florida's American shad population in the St. John's River. Florida Chapter of the American Fisheries Society. 23th Annual Meeting. Brooksville, FL. February 25-27.

**McBride**, R.S., A.Z. Horodysky, and B. Bowen. 2002. Allopatric and sympatric distributions of ladyfish (*Elops* spp.) in the Gulf of Mexico and western Atlantic ocean. 26<sup>th</sup> Annual Larval Fish Conference. Bergen, Norway. July 22-26.

**McBride**, F. Stengard, and B. Mahmoudi. 2002. Diel reproductive periodicity for round scad, (Carangidae: *Decapterus punctatus*), in the eastern Gulf of Mexico. Florida Chapter of the American Fisheries Society. 22th Annual Meeting. Brooksville, FL. February 12-14.

**McBride**, R.S., and M. D. Murphy. 2002. Current and Potential Yield Per Recruit for Hogfish, *Lachnolaimus maximus*, in Florida. Florida Chapter of the American Fisheries Society. 22th Annual Meeting. Brooksville, FL. February 12-14. (Presented by M.D. Murphy).

**McBride**, R.S., and M. D. Murphy. 2001. Age and growth of hogfish, *Lachnolaimus maximus*, in relation to harvested fish sizes and minimum size limits. 54<sup>th</sup> Annual meeting of the Gulf and Caribbean Fisheries Institute. Providenciales, Turks and Caicos Island, B.W.I. 12-17 November.

**McBride**, R.S., A.Z. Horodysky, D. Adams, and J. Whittington. 2001. Mechanisms maintaining sympatric

distributions of two ladyfish (*Elops*) morphs in the Gulf of Mexico and western Atlantic Ocean. 25<sup>th</sup> Annual Larval Fish Conference. Sandy Hook, NJ. August 8-13.

Bakenhaster, M., R.S. **McBride**, and W. W. Price. 2001. The life history of the parasitic isopod *Glossobius hemiramphi* (Isopoda: Cymothoidae) and its relationship to its host *Hemiramphus brasiliensis* (Pisces: Hemiramphidae). Florida Academy of Sciences. 65th Annual Meeting. Saint Leo, FL. March 8-10.

**McBride\***, R. 2000. Gametogenesis, spawning, embryogenesis, larval development, and maturation of hogfish (Labridae: *Lachnolaimus maximus*). Symposium on fish embryology and larval development. Annual meeting of the American Fisheries Society - Early Life History Section. Gulf Shores, AL. November 6-10.

Patterson, H.M., R.S. **McBride**, and N. Julien. 2000. Temporal stability of isotopic signatures in the otoliths of marine fish: A case study from the Gulf of Mexico. Australian Association of Marine Sciences Meeting, July 11-14, Sydney, Australia. **Best Student Presentation Award-Runner Up.**

Horodysky, A. Z. and R. S. **McBride**. 2000. Growth and mortality of two populations of ladyfish (*Elops*) in east-central Florida. Florida Chapter of the American Fisheries Society. 20th Annual Meeting. Brooksville, FL. March 28-30. **Best Student Presentation Award.**

Johnson, M., L. Bullock, and R. **McBride**. 1999. Fishery and biological data for hogfish, *Lachnolaimus maximus*, in Florida. Florida Chapter of the American Fisheries Society. 19th Annual Meeting. Brooksville, FL. March 9-11.

**McBride**, R. 1998. Reproduction by halfbeaks, *Hemiramphus* spp. in south Florida. Annual meeting of the American Fisheries Society - Early Life History Section. Ann Arbor, MI. July 9-13.

**McBride**, R.S. 1998. Changes in latitudes, changes in vertebral numbers: implications for ladyfish population dynamics. Florida Chapter of the American Fisheries Society. 18th Annual Meeting. Brooksville, FL. March 10-12.

**McBride**, R. and B. Mahmoudi. 1997. Diel reproductive periodicity by round scad, *Decapterus punctatus*, in the Gulf of Mexico. Annual meeting of the American Fisheries Society - Early Life History Section. Seattle, WA. June.

Conover, D.O., F. Juanes, R. **McBride**, J. Buckel, S. Munch, and F. Scharf. 1997. Advection, piscivory, and estuarine-dependency: the role of early juvenile stages in recruitment of the bluefish, *Pomatomus saltatrix*. Annual meeting of the American Fisheries Society - Early Life History Section. Symposium on Juvenile Fish Studies: Contributions to Early Life History and Recruitment Processes. Seattle, WA. June.

Able, K.W., M.P. Fahay, D.A. Witting, R.S. **McBride**, and L.S. Hales, Jr. 1997. Spatial distribution of fish settlement: Comparisons between the estuary vs ocean. Annual meeting of the American Fisheries Society - Early Life History Section. Seattle, WA. June.

**McBride**, R.S., T. MacDonald, R.E. Matheson, P. Hood, D. Rydene, B. Mahmoudi, and R. McMichael. 1996. Seasonality and habitat use of transforming larval and juvenile stages of ladyfish, *Elops saurus*, in Tampa Bay, Florida. Annual meeting of the American Fisheries Society - Early Life History Section. New Orleans, LA. June.

**McBride**, R.S., L. Foushee, and B. Mahmoudi. 1996. Florida's halfbeak (*Hemiramphus* spp.) bait fishery. Florida Chapter of the American Fisheries Society. 16th Annual Meeting. Brooksville, FL. March 12-14.

**McBride**, R.S. 1995. Correlated variations in abundance, size, growth, and loss rates of age-0 bluefish. Annual meeting of the American Fisheries Society. Tampa, FL. August 27-31.

Mahmoudi, B., D. Pierce, L. Foushee, F. McIntyre, and R. **McBride**. 1995. Life history patterns and management implications of baitfish and mullet stocks. Annual meeting of the American Fisheries Society. Tampa, FL. August 27-31.

**McBride**, R.S. 1995. Perennial occurrence and fast growth rates by crevalle jacks (Carangidae: *Caranx hippos*) in the Hudson River estuary. Florida Chapter of the American Fisheries Society. 15th Annual Meeting. Brooksville,

FL. March 21-23.

**McBride, R.S.** 1994. Transport of young-of-the-year fishes from subtropical spawning grounds to temperate estuaries of the U.S. east coast. Annual meeting of the American Society of Ichthyologists and Herpetologists. Los Angeles. June 2-8.

**McBride, R.S., M.P. Fahay, and K.W. Able.** 1993. Density and growth rates of larval, settling, and post-settlement *Prionotus carolinus* (Pisces: Triglidae) in inner continental shelf habitats. Larval Ecology Meeting. Port Jefferson, NY. August 20-23.

**McBride, R.S.** 1993. Timing of reproduction, flexion, and settlement of a common marine fish, *Prionotus carolinus* (Linnaeus): consequences of late spawning for growth and mortality during the first year. Annual meeting of the American Fisheries Society-Early Life History Section. Austin, TX. May 27-June 2.

**McBride, R.S.** 1993. Growth and mortality of bluefish, *Pomatomus saltatrix* (Linnaeus), in a southern New England estuary: interannual and intercohort variation. Annual meeting of the American Society of Ichthyologists and Herpetologists. Austin, TX. May 27-June 2.

**McBride, R.S., M.P. Fahay, and K.W. Able.** 1993. An analysis, using multiple gears, of settlement by a coastal marine fish, *Prionotus carolinus*. 49th Annual Northeast Fish & Wildlife Conf. Atlantic City, NJ. April 18-21.

**McBride\***, R.S. 1992. Intra-annual cohort composition of young-of-the-year bluefish along the U.S. east coast. Semi-Annual meeting of the Mid-Atlantic Chapter of the American Fishery Society. Brandywine, DE. November 17.

**McBride, R.S. and K.W. Able.** 1992. Patterns and consequences of dispersal of a subtropical butterflyfish *Chaetodon ocellatus* to a temperate estuary. Biennial meeting of Ecological and Evolutionary Ethology of Fish. Durham, NH. June.

**McBride, R.S., M.P. Fahay, and K.W. Able.** 1992. Distribution and abundance of larval and post-settlement searobins (*Prionotus* spp.) in the Middle Atlantic Bight. Annual meeting of the Am. Soc. of Ichthyologists and Herpetologists. Urbana-Champaign, IL. June.

**McBride, R.S., K.W. Able, J.B. O'Gorman, and T.R. Azarovitz.** 1991. Seasonal distribution of searobins (Triglidae: *Prionotus carolinus* and *P. evolans*) over the Mid-Atlantic Bight continental shelf. Annual meeting of the American Society of Ichthyologists and Herpetologists. New York City. June.

**McBride\***, R.S., K.W. Able, J.B. O'Gorman, and T.R. Azarovitz. 1991. Seasonal distribution of searobins (Triglidae: *Prionotus carolinus* and *P. evolans*) over the Mid-Atlantic Bight continental shelf. Semi-Annual meeting of the Mid-Atlantic Chapter of the American Fishery Society. Tuckerton, NJ. June.

**McBride, R.S., K.A. McKown, and D.O. Conover.** 1991. Estuarine abundance and growth of young-of-the-year crevalle jacks (Carangidae: *Caranx hippos*) in the New York Bight. Atlantic Estuarine Research Society. Spring Meeting. St. Michaels, MD.

**McBride, R.S., J. Ross, and D.O. Conover.** 1990. Estuarine recruitment patterns of young-of-year bluefish (*Pomatomus saltatrix*) for South and North Carolina. Annual meeting of the American Society of Ichthyologists and Herpetologists. Charleston, SC. June.

**McBride, R.S. and D.O. Conover.** 1989. Comparative recruitment and growth of spring vs summer spawned bluefish juveniles (*Pomatomus saltatrix*) in the New York Bight. 45th Annual Northeast Fish and Wildlife Conference. Ellenville, NY. May.

**McBride, R.S. and D.O. Conover.** 1988. Growth and recruitment of spring vs summer spawned bluefish in the NY Bight. Annual meeting of the American Society of Ichthyologists and Herpetologists. Ann Arbor, Michigan. June.

### Poster Presentations at Professional Conferences

**McBride**, Richard. 2015. Testing tests of symmetry to evaluate paired age agreement. 145th Annual Meeting of the American Fisheries Society. August 16-20. (Poster)

Towle, Emilee K., W. Dave McElroy, and Richard S. **McBride**. 2014. Sources of Variation in Estimates of Summer Flounder, *Paralichthys dentatus*, Batch Fecundity. 14<sup>th</sup> Flatfish Biology Conference. 3-4 December. Westbrook, CT. (Poster)

Towle, Emilee K., W. Dave McElroy, and Richard S. **McBride**. 2014. Seasonal patterns of oogenesis and spawning of female Yellowtail Flounder (*Limanda ferruginea*) in the Gulf of Maine to define a period to measure potential annual fecundity. Southern New England Chapter semi-annual meeting of the American Fisheries Society. Hadley, Massachusetts. January 22, 2014. (Poster).

Winton, Megan V., Mark J. Wuenschel, and Richard **McBride**. 2014. Detecting an environmental gradient in maturity of female winter flounder (*Pseudopleuronectes americanus*) stocks: does thermal habitat create spatial heterogeneity of life history parameters within stock boundaries? Southern New England Chapter semi-annual meeting of the American Fisheries Society. Hadley, Massachusetts. January 22, 2014. (Poster).

**McBride**, R.S., M.J. Wuenschel, W.D. McElroy, Y.K. Press, and E.K. Towle. 2014. Beyond "Flatland": using gonad histology to classify female winter flounder reproductive status. Southern New England Chapter semi-annual meeting of the American Fisheries Society. Hadley, Massachusetts. January 22, 2014. (Poster).

Towle, Emilee K., W. David McElroy, Yvonna K. Press, and Richard S. **McBride**. 2012. Spermatogenesis, reproductive maturation, and spawning seasonality of male winter flounder, *Pseudopleuronectes americanus*. Thirteenth Flatfish Biology Conference. Westbrook, CT. December 4-5. (Poster).

Winton, Megan, Richard **McBride**, Mark Wuenschel, Paul Nitschke, and Mark Terceiro. Detecting an environmental gradient in maturity of winter flounder (*Pseudopleuronectes americanus*) stocks: does thermal habitat create spatial heterogeneity of life history parameters within stock boundaries? Thirteenth Flatfish Biology Conference. Westbrook, CT. December 4-5. (Poster).

**McBride**, Richard S. Parametric model selection of fish age and size at maturity: an application with different stocks of winter flounder. Thirteenth Flatfish Biology Conference. Westbrook, CT. December 4-5. (Poster).

Baumann, H., S.J. Sutherland, and R. S. **McBride**. 2012. Longitudinal length back-calculations based on otoliths versus scales differ systematically in haddock *Melanogrammus aeglefinus*. ICES Annual Science Conference. Bergen, Norway. September 17-21, 2012 (Poster and speed presentation).

**McBride**, R.S., S. Somarakis, G.R. Fitzhugh, A. Albert, N.A. Yaragina, M.J. Wuenschel, A. Alonso-Fernández, and G. Basilone. 2012. Effects of food availability on egg production in relation to fish reproductive strategies. Florida Chapter of the American Fisheries Society. 32th Annual Meeting. Ocala, FL. February 21-23. (Poster)

Towle, Emilee K., W. David McElroy, and Yvonna K. Press, and Richard S. **McBride**. 2012. Spermatogenesis, reproductive maturation, and spawning seasonality of male winter flounder, *Pseudopleuronectes americanus*. Winter meeting of the Southern New England Chapter-American Fisheries Society. Narragansett, RI. January 26. (Poster)

Evan K. Lindsay, Richard S. **McBride**, Andrea K. Johnson, and Courtnee C. Depass. Fecundity of goosfish in the northeast United States. (Originally submitted as: C. Depass, A.K. Johnson and R. McBride. Fecundity estimation of American goosfish (*Lophius americanus*) in the western North Atlantic Ocean). The 141<sup>th</sup> Annual Meeting of the American Fisheries Society. Seattle, WA. September 4-8. (Poster)

Fitzhugh, G., and R. S. **McBride**. 2011. A review of intra-annual multiple spawning in fish. 35th Annual Larval Fish Conference. 22-26 May 2011, Wilmington, NC. (Poster)

**McBride**, Richard S., Stylianos Somarakis, Gary R. Fitzhugh, Anu Albert, Nathalia A. Yaragina, Mark J.

Wuenschel, Alexandre Alonso Fernández, Gualtiero Basilone. Fish reproductive strategies in relation to the trophic dynamics of their environment. Fish Reproduction and Fisheries. May 16-20, 2011, Vigo, Spain. (Poster, presented by Wuenschel).

Rowinski, Y., and R. S. **McBride**. 2011. A histological appraisal of dolphinfish (*Coryphaena hippurus*) oogenesis, maturation, and spawning offshore of Florida. Winter meeting of the Southern New England Chapter-American Fisheries Society. Woods Hole, MA. January 20. (Poster)

Rowinski, Y., and R. S. **McBride**. 2011. A histological appraisal of dolphinfish (*Coryphaena hippurus*) oogenesis, maturation, and spawning offshore of Florida. Reproductive Resilience Symposium of the 19<sup>th</sup> Annual meeting of the Southern Division-American Fisheries Society. Tampa, FL. January 13-16. (Poster)

Fitzhugh, G., and R. S. **McBride**. 2011. A review of intra-annual multiple spawning in fish. Reproductive Resilience Symposium of the 19<sup>th</sup> Annual meeting of the Southern Division-American Fisheries Society. Tampa, FL. January 13-16. (Poster)

Arruda, Andrew, Ken Oliveira, Mark Wuenschel, Dave McElroy, and Richard **McBride**. 2010. Evaluation of bioelectrical impedance analysis to predict condition and muscle and liver energy content of three flatfishes: winter, yellowtail and summer flounder. Twelfth Flatfish Biology Conference. Westbrook, CT. December 1-2. (Poster)

Breton, Jonathan, Richard **McBride**, Mark Wuenschel, Courtney Donovan, and Ken Oliveira. 2010. Estimation of fecundity and development of preliminary fecundity curve for Georges Bank yellowtail flounder (*Limanda ferruginea*). Twelfth Flatfish Biology Conference. Westbrook, CT. December 1-2. (Poster)

**McBride**, Richard, Mark Wuenschel, Dave McElroy, Yvonna Rowinski, and Jeremy King. 2010. Beyond 'Flatland': a multi-dimensional approach to classify female winter flounder (*Pseudopleuronectes americanus*) maturity and reproductive seasonality. Twelfth Flatfish Biology Conference. Westbrook, CT. December 1-2. (Poster)

Rowinski, Yvonna, Richard **McBride**, Mark Wuenschel, and Dave McElroy. 2010. A histological atlas of female winter flounder (*Pseudopleuronectes americanus*) oogenesis. Twelfth Flatfish Biology Conference. Westbrook, CT. December 1-2. (Poster)

Smith, Brian E., Joshua Dayton, David McElroy, Emilee Towle, and Richard **McBride**. 2010. The seasonal and spatial variability of flatfish feeding habits on the northeast US continental shelf: preliminary insights from cooperative research. Twelfth Flatfish Biology Conference. Westbrook, CT. December 1-2. (Poster presented by J. Dayton)

**McBride**, Richard S., Derke J. G. Snodgrass, Douglas H. Adams, Steven J. Rider, and James A. Colvocoresses. 2010. A histology-based appraisal of gonad maturation in female dolphinfish (*Coryphaena hippurus*) collected offshore of Florida, USA. The 140<sup>th</sup> Annual Meeting of the American Fisheries Society. Pittsburg, PA. September 12-16 (Poster).

Link, J.S. Link, B.E. Smith, D. McElroy, R.S. McBride, J. Hauser, K. Sosebee & C. O'Connell. 2010. The trophic role of assorted skate and dogfish species in the northwest Atlantic ecosystem. Joint Meeting of Ichthyologists and Herpetologists. Providence, RI, 7-12 July 2010 (Poster).

Collins, Angela B. and Richard S. **McBride**. 2010. Demographics by depth: Spatially-explicit densities and life history dynamics of hogfish (*Lachnolaimus maximus*) in the eastern Gulf of Mexico. NOAA Fisheries' National Habitat Assessment Workshop. St. Petersburg, FL. May 17-20. (Poster)

Foley, Andrew, Mark Wuenschel, Richard **McBride**, Sandra Sutherland, Elizabeth Brooks and Kevin Friedland. 2010. Evaluating Inter-Annual Variability in Haddock Growth Using Otolith Growth Increments Obtained from Digital Image Analysis. Winter Meeting of the Southern New England Chapter of the American Fisheries Society. Groton, CT. January 28. (Poster and speed presentation).

- McBride**, Richard S., Kristin L. Maki, and M. Bakenhaster. 2010. Philometrid parasites are present in wahoo, *Acanthocybium solandri*, ovaries but do not preclude spawning by the host. Winter Meeting of the Southern New England Chapter of the American Fisheries Society. Groton, CT. January 28. (Poster and speed presentation).
- McBride**, Richard S., Kristin L. Maki, and M. Bakenhaster. 2009. Philometrid parasites are present in wahoo, *Acanthocybium solandri*, ovaries but do not preclude spawning by the host. 4<sup>th</sup> Workshop on Gonadal Histology of Fishes. 16-19 June 2009. El Puerto de Santa María, Cádiz, Spain. (Poster)
- McBride**, R. S., K. L. Maki, and A. K. Richardson. 2009. New life history information for wahoo, *Acanthocybium solandri*, from the Atlantic coast of Florida and the Bahamas. Florida Chapter of the American Fisheries Society. 29th Annual Meeting. Ocala, FL. February 17-19. (Poster).
- Thornton, G., and R. **McBride**. 2009. Histological calibration of at-sea macroscopic gonad staging for winter flounder, *Pseudopleuronectes americanus*, collected during NEFSC and MA DMF survey cruises. NEFSC Science Symposium. Newport, RI. January 21-23. (Poster).
- Duffy, W., K. Oliveira, and R. **McBride**. 2008. Is Cating's method of transverse counts to annuli in American shad (*Alosa sapidissima*) applicable to rivers other than the Hudson? Joint Meeting of Ichthyologists and Herpetologists. Montréal, Canada. July 23-28. (Poster).
- McBride**, R. S., P. E. Thurman, and L. H. Bullock. 2008. Regional variations of hogfish life history (Labridae: *Lachnolaimus maximus*) in Florida: consequences for spawning biomass and egg productions models. Florida Chapter of the American Fisheries Society. 28th Annual Meeting. Ocala, FL. February 19-21. (Poster)
- McBride**, R. S., P. E. Thurman, and L. H. Bullock. 2007. Regional variations of hogfish life history (Labridae: *Lachnolaimus maximus*) in Florida: consequences for spawning biomass and egg productions models. NAFO/PICES/ICES Joint Symposium on Reproductive and Recruitment Processes of Exploited Marine Fish Stocks. Lisbon, Portugal. 1-3 October. (Poster)
- McBride**, R. S., J. M. Funk, and A. B. Collins. 2007. Classification schemes for monandric, protogynous fishes: a review and extension of Moe's (1969) model. Florida Chapter of the American Fisheries Society. 27th Annual Meeting. Ocala, FL. February 20-22. (Poster presented, J. M. Funk). **Best Student Poster Award-Runner Up.**
- McBride**, R. S., J. M. Funk, and A. B. Collins. 2006. Classification schemes for monandric, protogynous fishes: a review and extension of Moe's (1969) model. Gonadal Histology Workshop for Hermaphroditic Fishes. Sheraton New Orleans. July 11-12 (Poster presented, without our attendance).
- McBride**, R. S., A. K. Richardson, Kristin L. Maki, and Michael D. Murphy. 2006. Florida's wahoo, *Acanthocybium solandri*, fishery. Florida Chapter of the American Fisheries Society. 26th Annual Meeting. Ocala, FL. February 21-23. (Poster presented by A. Richardson).
- McBride**, R. S., T. C. MacDonald, R. E. Matheson, D. A. Rydene, and P. B. Hood. 2005. Nursery habitats for ladyfish, *Elops saurus*, along salinity gradients in two Florida estuaries. Florida Chapter of the American Fisheries Society. 25th Annual Meeting. Ocala, FL. February 22-24. (Poster, presented by R. E. Matheson).
- Maki, K. L., R. S. **McBride**, and M. Murphy. 2005. Biology of wahoo in Florida and the Bahamas. Florida Chapter of the American Fisheries Society. 25th Annual Meeting. Ocala, FL. February 22-24. (Poster). **Best Professional Poster Award-Runner Up.**
- McBride**, R. S., J. E. Harris, and J. C. Holder. 2005. Abundance and length of American shad, *Alosa sapidissima*, collected by electrofishing in the St. Johns River, Florida. Florida Chapter of the American Fisheries Society. 25th Annual Meeting. Ocala, FL. February 22-24. (Poster).
- McBride**, R. S. and R. E. Matheson. 2005. Florida's Diadromous Fishes: biology, ecology, management, and conservation. Florida Chapter of the American Fisheries Society. 25th Annual Meeting. Ocala, FL. February 22-24.

(Poster, presented by R. E. Matheson).

Ruiz-Carus, R. and R. S. **McBride**. 2005. The sea lamprey, *Petromyzon marinus*, Linnaeus 1758, in Florida: A winter voyager or a rare species in need of protection? Florida Chapter of the American Fisheries Society. 25th Annual Meeting. Ocala, FL. February 22-24. (Poster).

Maki, K., R. **McBride**, and M. Murphy. 2004. Biology of wahoo in Florida and the Bahamas. Annual meeting of the American Fisheries Society. Madison, WI. August 22-26. (Poster).

**McBride**, R.S., M. Russo, and I. Quitmyer. 2003. Morphometrics of shad (*Alosa* spp.) skeletal and otolith remains: implications for zooarchaeology of Florida's St. Johns River. Florida Chapter of the American Fisheries Society. 23th Annual Meeting. Brooksville, FL. February 25-27. (Poster).

Thurman, P. E., G. Dennis, K. Sulak, and R. S. **McBride**. 2002. Linking predator and prey species dynamics in deep-water reefs of the northeastern Gulf of Mexico. Fishing and Benthic Habitats 2002 (Symposium on Effects of Fishing Activities on Benthic Habitats: Linking Geology, Biology, Socioeconomics, and Management). Tampa, Florida. November 12-14. (Poster).

Thurman, P.E. and R. S. **McBride**. 2002. Age and growth of rougtongue bass (Serranidae: *Pronotogrammus martinicensis*) in the Northeastern Gulf of Mexico. 26<sup>th</sup> Annual Larval Fish Conference. Bergen, Norway. July. (Poster presented by R. McBride).

**McBride**, R.S., M. Russo, I. Quitmyer. 2002. Morphometrics of shad (*Alosa* spp.) skeletal and otolith remains: implications for zooarchaeology of Florida's St. Johns River. Annual meeting of the Florida Anthropological Society. St. Peterburg, FL. May 3-5. (Poster).

Thurman, P.E. and R. S. **McBride**. 2002. Age and growth of rougtongue bass (Serranidae: *Holanthias martinicensis*) in the Northeastern Gulf of Mexico. Florida Chapter of the American Fisheries Society. 22th Annual Meeting. Brooksville, FL. February 12-14. (Poster). **Best Student Poster Award.**

**McBride**, R.S., T. MacDonald, R.E. Matheson, P. Hood, and D. Rydene. 2001. Nursery habitats for ladyfish, *Elops saurus*, along a salinity gradients in two Florida estuaries. 16<sup>th</sup> Biennial Conference of the Estuarine Research Federation. St. Pete. Beach, FL. November 4-8. (Poster presented by T. MacDonald).

**McBride**, R., S. Rider, G. Nelson, J. Holder, and J. Jenkins. 2001. Status of Florida's shad and river herring (*Alosa* species): changing for the better in northeast Florida? Shad2001: A Conference on the Status and Conservation of Shads Worldwide. Baltimore, MD. May 20-23. (Poster).

Olney, J. E. and R. S. **McBride**. 2001. Batch fecundity of American shad (*Alosa sapidissima*) in the St. Johns River, Florida (USA). Shad2001: A Conference on the Status and Conservation of Shads Worldwide. Baltimore, MD. May 20-23. (Poster).

**McBride**, R., R., McMichael, S. Rider, and G. Nelson. 2001. Status of Florida's shad and river herring (*Alosa*) species. Southern Division American Fisheries Society 9th Midyear Meeting. Jacksonville, FL. February 22-25. (Poster).

Thurman, P. and R.S. **McBride**. 2001. Age and growth of halfbeak, *Hemiramphus* spp., populations in south Florida. Southern Division American Fisheries Society 9th Midyear Meeting. Jacksonville, FL. February 22-25. (Poster).

**McBride**, R., M. Johnson, L. Bullock, and F. Stengard. 2000. Sexual development of hogfish, *Lachnolaimus maximus*, an exploited wrasse in Florida. Annual meeting of the American Fisheries Society - Early Life History Section. Gulf Shores, AL. November 6-10. (Poster).

Bakenhaster, M., R.S. **McBride**, and W. W. Price. 2000. The life history of the parasitic isopod *Glossobius hemiramphi* (Isopoda: Cymothoidae) and its relationship to its host *Hemiramphus brasiliensis* (Pisces:

Hemiramphidae). Florida Chapter of the American Fisheries Society. 20th Annual Meeting. Brooksville, FL. March 28-30. (Poster). **Best Student Poster Award.**

**McBride, R., J. Styer, and R. Hudson.** 2000. Halfbeak, *Hemiramphus* spp., fishing and spawning grounds in south Florida. Florida Chapter of the American Fisheries Society. 20th Annual Meeting. Brooksville, FL. March 28-30. (Poster). **Best Professional Poster Award.**

Patterson, H.M., R.S. **McBride**, R.E. Crabtree, and N. Julien. 2000. Elemental signatures of red drum (*Sciaenops ocellatus*) otoliths from the Gulf of Mexico and western Atlantic. Florida Chapter of the American Fisheries Society. 20th Annual Meeting. Brooksville, FL. March 28-30. (Poster).

Johnson, M., L. Bullock, F. Stengard, and R. **McBride**. 1999. Sexual development of hogfish, *Lachnolaimus maximus*, an exploited wrasse in Florida. 52<sup>nd</sup> Annual meeting of the Gulf and Caribbean Fisheries Institute. Key West, FL. 1-5 November. (Poster).

**McBride, R., J. Styer, and R. Hudson.** 1999. Halfbeak, *Hemiramphus* spp., fishing and spawning grounds in south Florida. 52<sup>nd</sup> Annual meeting of the Gulf and Caribbean Fisheries Institute. Key West, FL. 1-5 November. (Poster).

Patterson, H.M., R.S. **McBride**, R.E. Crabtree, and N. Julien. 1999. Elemental signatures of red drum (*Sciaenops ocellatus*) otoliths from the Gulf of Mexico and western Atlantic. 52<sup>nd</sup> Annual meeting of the Gulf and Caribbean Fisheries Institute. Key West, FL. 1-5 November. (Poster).

**McBride, R., J. Styer, and R. Hudson.** 1999. Halfbeak, *Hemiramphus* spp., fishing and spawning grounds in south Florida. Annual meeting of the American Fisheries Society - Early Life History Section. Beaufort, NC. April 6-11. (Poster).

Patterson, H.M., R.S. **McBride**, and R.E. Crabtree. 1999. Elemental signatures of red drum (*Sciaenops ocellatus*) otoliths from the Gulf of Mexico. Annual meeting of the American Fisheries Society - Early Life History Section. Beaufort, NC. April 6-11. (Poster).

**McBride, R.S., F. Cross, and R.O. Williams.** 1997. Status and trends of American shad, *Alosa sapidissima*, in Florida: a review. Florida Chapter of the American Fisheries Society. 17th Annual Meeting. Brooksville, FL. February 24-26. (Poster).

**McBride, R.S. and K.W. Able.** 1993. Comparative early life history of searobins, *Prionotus carolinus* and *P. evolans*. International Symposium of Fish Otolith Research and Application. Hilton Head, SC. January 24-27. (Poster).

#### Other Scientific Presentations

Presented by 1<sup>st</sup> author unless noted (Invited\*)

**McBride, Richard.** 2016. The Capital-Income Breeding Continuum. Department of Marine Science Seminar. University of Connecticut. February 19.

**McBride, Richard.** 2016. The Capital-Income Breeding Continuum. Department of Biological Science Seminar. University of New Hampshire. February 12.

\***McBride, Richard S.** 2015. An assessment of fish age and growth. Greater Atlantic Regional Fisheries Office. Gloucester, MA. December 16.

Boucher, Jason M. and Richard S. **McBride**. 2015. Natural history of the American shad, *Alosa sapidissima*, in the Connecticut River during the 2015 spawning migration. American shad population model meeting, USGS Conte Laboratory, Turners Falls, MA. October 29-30.

- \***McBride**, Richard. 2015. The Capital-Income Breeding Continuum. Woods Hole Oceanographic Institution. Woods Hole, MA. October 1.
- \***McBride**, Richard. 2015. The Capital-Income Breeding Continuum. University of Maine. Orono, ME. September 21.
- \***McBride**, Richard. 2015. The Capital-Income Breeding Continuum. Delaware State University. Dover, DE. September 16.
- \***McBride**, Richard. 2015. Using tests of symmetry for QA/QC of fish ages. Massachusetts Division of Marine Fisheries. Gloucester, MA. July 29.
- McBride**, Richard S. 2015. Designing an effective presentation. NOAA Fisheries, Northeast Fisheries Science Center. Laboratory Seminar. Wood Hole, MA. March 18.
- \***McBride**, R. 2014. Developing a shared vision for integrated fish reproductive monitoring, research, and assessment. MARVLS (Maturity Assessment, Reproductive Variability and Life Strategy) workshop. Alaska Fisheries Science Center, Seattle, WA, November 6-7.
- McBride**, Richard. 2014. A Look at Fish Age & Growth. Marine Resource Education Program (MREP) 200 program presentation. NEFSC, Woods Hole. October 28.
- \***McBride**, R. 2014. Use and nonuse of tests of symmetry in age validation studies. Workshop on Statistical Analysis of Biological Calibration Studies. Lisbon, Portugal. October 15, 2014 (by Skype).
- \***McBride**, R., M. Wuenschel, and G. Fitzhugh. 2012. The how and why of hermaphroditism. Modeling Protogynous Hermaphrodite Fishes Workshop. Mid-Atlantic Fishery Management Council and the Partnership for Mid-Atlantic Fishery Science. 29-30 August 2012. Raleigh, NC.
- McElroy, Dave, Emilee Towle, Yvonna Press, Mark Wuenschel, and Richard **McBride**. 2012. Ongoing yellowtail flounder life history research at NEFSC. Transboundary Assessment Review Committee. June 27; Woods Hole, MA.
- McBride**, R. S. and G. R. Shepherd. 2012. A look at age and growth. Marine Resource Education Program 200. Woods Hole, MA. March 30.
- McBride**, R. 2012. Effects of food and energy assimilation on egg production in relation to fish reproductive strategies. Department of Integrative Biology Seminar. University of South Florida, Tampa. February 2.
- McBride**, R., M. Wuenschel, D. McElroy, Y. Rowinski, E. Towle, and J. King. 2012. QA/QC and spatial variation of female winter flounder maturity. NEFSC Woods Hole Laboratory Seminar. January 18.
- Richard **McBride**, Mark Wuenschel, Dave McElroy, Yvonna Rowinski, Grace Thornton, and Paul Nitschke. 2011. Classifying female winter flounder maturity during NEFSC resource surveys: comparing at-sea, macroscopic maturity classifications with results from a gonad histology method. SARC 52, April 19. Woods Hole, MA.
- W. David McElroy, Yvonna K. Rowinski, Emilee K. Towle, Richard S. **McBride**, and Mark J. Wuenschel. 2011. Reproductive potential of female winter flounder, *Pseudopleuronectes americanus*: Comparison of fecundity and skipped spawning among three stocks. SARC 52, April 19, Woods Hole, MA.
- Wuenschel, Mark, Elizabeth Brooks, Kevin Friedland, Sandy Sutherland, Richard **McBride**, and Andrew Foley. 2010. Evaluating the influence of the fall phytoplankton bloom on the energy available for growth and reproduction, and subsequent recruitment of Georges Bank haddock. Fisheries and the Environment (FATE) Annual Meeting. Woods Hole, MA. June 21-22.
- McBride**, Richard S. 2009. Using an R code program that simulates ageing error to explain common QA/QC

procedures for production ageing and for incorporating age uncertainty into stock assessments. NOAA Fisheries, Northeast Fisheries Science Center. Laboratory Seminar. Wood Hole, MA. November 4.

**McBride**, Richard S., Sandra J. Sutherland, and Jay Burnett. 2009. Analyses of age-frequency and size-at-age data from the 2008 survey calibration cruises between the NOAA ships *R/V Albatross IV* and *F/R/V Henry B. Bigelow*. Vessel Calibration Analysis Review, Woods Hole, MA. August 11 – 13, 2009.

**McBride**, Richard S., Mark J. Wuenschel, Grace M. Thornton, and Paul Nitschke. 2009. The reproductive strategy and tactics of female winter flounder (*Pseudopleuronectes americanus*): a review of biotic and abiotic processes. NOAA Fisheries, Northeast Fisheries Science Center. Laboratory Seminar. Wood Hole, MA. February 4.

**McBride\***, R. 2008. How old is that fish? Ageing methods and applications. SMAST Department of Fisheries Oceanography Seminar. Fairhaven, MA. December 11.

**McBride\***, R. S. 2008. Concepts of bioenergetics and oogenesis: background information. Joint meeting of the 'NAFO working group on reproductive potential' and the European 'Fish Reproduction and Fisheries' COST action. Palermo, Italy. November 17-21.

Sutherland, Sandra J., Loretta O'Brien, Sarah E. Pregracke, J. Burnett, R. **McBride**, and Ralph K. Mayo. 2007. Recent trends in weight-at-age and growth of New England flatfishes. GARM Data Meeting, Woods Hole, MA. October 29-November 2, 2007 (Presented by S. Sutherland).

**McBride**, R. S. 2007. Challenges and recent successes in life history research of a big, highly migratory fish: wahoo, *Acanthocybium solandri*. NOAA Fisheries, Northeast Fisheries Science Center. Laboratory Seminar. Wood Hole, MA. September 19.

**McBride**, R. S. 2007. Presentation to Dr. N. Thompson regarding the NEFSC's Population Biology Branch. Tech Park, Falmouth, MA. July 12.

**McBride**, R. S. 2007. Patterns and processes of fish reproduction: a primer. NOAA Fisheries, Northeast Fisheries Science Center. Laboratory Seminar. Sandy Hook, NJ. May 10.

**McBride**, R. S. 2007. Patterns and processes of fish reproduction: a primer. NOAA Fisheries, Northeast Fisheries Science Center. Lab Seminar. Woods Hole, MA. March 14.

**McBride**, R. S. 2006. The reproductive biology of fishes: a primer of concepts, terms, and applications (at least for female fish). NOAA Fisheries, Northeast Fisheries Science Center. Ad hoc seminar. Woods Hole, MA. December 5.

**McBride\***, R. S. 2006. The biology and management of hogfish (*Lachnolaimus maximus*): fish houses, hardparts, sex change, and SEDAR. University of Massachusetts, School for Marine Science & Technology, New Bedford, MA November 22.

**McBride\***, R.S. 2006. The biology and management of hogfish (*Lachnolaimus maximus*): fish houses, hardparts, sex change, and SEDAR. Fisheries, Northeast Fisheries Science Center. Laboratory Seminar. Wood Hole, MA. January 31.

**McBride**, R. S., J. E. Harris, and J. C. Holder. 2006. Abundance and length of American shad, *Alosa sapidissima*, collected by electrofishing in the St. Johns River, Florida. Annual meeting of the Fisheries-Independent Monitoring Section, Fish & Wildlife Research Institute, St. Petersburg, FL. January 30-31. (Poster, presented by R. E. Matheson).

**McBride**, R. S. and R. E. Matheson. 2006. Florida's Diadromous Fishes: biology, ecology, management, and conservation. Annual meeting of the Fisheries-Independent Monitoring Section, Fish & Wildlife Research Institute, St. Petersburg, FL. January 30-31. (Poster, presented by R. E. Matheson).

Ruiz-Carus, R. and R. S. **McBride**. 2006. The sea lamprey, *Petromyzon marinus*, Linnaeus 1758, in Florida: A

winter voyager or a rare species in need of protection? Annual meeting of the Fisheries-Independent Monitoring Section, Fish & Wildlife Research Institute, St. Petersburg, FL. January 30-31. (Poster).

**McBride**, R. S. 2006. A brief review of anadromous shad monitoring and research in Florida and its relevance to SJR MFL determinations. St. Johns River Water Management District. Palatka, FL. January 18.

**McBride\***, R. 2005. The biology and fishery of wahoo: Florida's largest mackerel. Fish & Wildlife Research Institute Seminar Series. St. Petersburg, FL. Sept. 21.

**McBride\***, R.S., M.R. Johnson, L.H. Bullock, and P.E. Thurman. 2005. Sexual development of a protogynous hermaphrodite, hogfish (Labriade: *Lachnolaimus maximum*), with an emphasis on identifying first-year males. Gonadal Histology Workshop Group. Florida Fish & Wildlife Conservation Commission. St. Petersburg, FL. July 12-13.

**McBride\***, R.S. 2005. A brief review and preliminary results of American Shad monitoring and research in Florida. Florida Fish & Wildlife Conservation Commission. St. Petersburg, FL. June 9.

**McBride\***, R.S. 2005. Florida's wahoo and its fishery. Jupiter Community Center. Jupiter, FL. April 23.

**McBride\***, R.S. 2005. A brief review of American Shad monitoring and research in Florida. Prepared for the Atlantic States Marine Fisheries Commission – Shad/River herring Technical Committee – Stock assessment subcommittee for southern rivers. North Carolina State University, Raleigh, NC. April 5-7.

**McBride\***, R.S. 2005. Hogfish life history research: review and applications. Regular Meeting of the St. Pete. Underwater Club. St. Petersburg, FL. April 20.

**McBride\***, R.S. 2005. Connecting life cycles in open marine systems: examples for fishery species. Virginia Institute of Marine Science. College of William and Mary. Gloucester Point, VA. March 1.

Patterson, H.M., R.S. **McBride**, and N. Julien. 2005. Population structure of red drum (*Sciaenops ocellatus*) as determined by otolith chemistry. Annual meeting of the Fisheries-Independent Monitoring Section, Fish & Wildlife Research Institute, St. Petersburg, FL. January 26. (Presented by R. McBride).

**McBride\***, R.S. 2004. Summary of the Age Validation Workshop for Known-age American Shad Scales. Virginia Institute of Marine Science. College of William and Mary. Gloucester Point, VA. July 28.

**McBride\***, R.S. 2004. The biology and management of hogfish (*Lachnolaimus maximum*). University of Florida. Department of Fisheries and Aquatic Sciences Seminar. Gainesville, FL. March 26.

**McBride\***, R.S. 2004. The biology and management of hogfish (*Lachnolaimus maximum*): fish houses, hardparts, sex change, and SEDAR. Bi-annual meeting of the Fisheries-Dependent Monitoring Section, Florida Marine Research Institute, St. Petersburg, FL. March 2.

**McBride\***, R.S. 2004. Management of Hogfish, *Lachnolaimus maximum*, in Florida. Regular Meeting of the St. Pete. Underwater Club. St. Petersburg, FL. January 7.

**McBride\***, R. 2003. Reproductive tradeoffs by south Florida reef fishes: more than one way to put your eggs in a basket. Eckerd College. Marine Sciences, Seminar Series. St. Petersburg, FL. November 5.

Maki\*, K., **McBride**, R.S., and M. D. Murphy. 2003. Preliminary results on fishery and population characteristics of wahoo, *Acanthocybium solandri*, in Florida and adjacent waters of the western North Atlantic Ocean. Semi-annual meeting of the Fisheries-Dependent Monitoring Section, Florida Marine Research Institute, St. Petersburg, FL. October 7. (Presented by K. Maki).

**McBride\***, R. 2003. Whispering otoliths: stories that fish bones tell. Weedon Island Preserve Cultural and Natural History Center. St. Petersburg, FL. September 27.

- McBride\***, R. 2003. FWC's Interdivisional Research on American Shad in the St. Johns River, Florida. Florida Marine Research Institute Seminar Series. St. Petersburg, FL. June 18.
- McBride\***, R.S., and M. D. Murphy. 2002. Fishery and population characteristics of wahoo, *Acanthocybium solandri*, in Florida and adjacent waters of the western North Atlantic Ocean. Semi-annual meeting of the Fisheries-Dependent Monitoring Section, Florida Marine Research Institute, St. Petersburg, FL. September 4.
- McBride\*, R. S. 2002. A brief review of the fishery and biological characteristics of exploited halfbeaks (ballyhoo and balao) in south Florida. Florida Keys Sanctuary Advisory Council. Marathon, FL. April 16.
- McBride\***, R.S., and M. D. Murphy. 2002. Current and Potential Yield Per Recruit for Hogfish, *Lachnolaimus maximus*, in Florida. Annual meeting of the Fisheries-Independent Monitoring Section, Florida Marine Research Institute, St. Petersburg, FL. January 22-24.
- McBride\***, R. S. 2002. Florida's shad and river herrings (*Alosa* spp.): A review of population and fishery characteristics. Florida Fly Fishing Association. Monthly Meeting, Cocoa, FL. January 22.
- McBride**, R.S., T. MacDonald, R.E. Matheson, P. Hood, and D. Rydene. 2002. Nursery habitats for ladyfish, *Elops saurus*, along a salinity gradients in two Florida estuaries. Annual meeting of the Fisheries-Independent Monitoring Section, Florida Marine Research Institute, St. Petersburg, FL. January 22-24. (Poster presented by T. MacDonald).
- McBride**, R, M. Johnson, L. Bullock, and F. Stengard. 2002. Sexual development of hogfish, *Lachnolaimus maximus*, an exploited wrasse in Florida. Annual meeting of the Fisheries-Independent Monitoring Section, Florida Marine Research Institute, St. Petersburg, FL. January 22-24. (Poster).
- McBride\***, R. 2001. Reproductive tradeoffs by south Florida reef fishes: more than one way to put your eggs in a basket. University of North Florida, Department of Natural Sciences, Seminar Series. Jacksonville, FL. February 21.
- McBride\***, R. 2000. Age, growth, and reproduction of hogfish (Labridae: *Lachnolaimus maximus*). Twelfth annual MARFIN Conference. Tampa, FL. December 5-7.
- McBride\***, R. 2000. Preliminary results for an age and growth investigation of dolphin, *Coryphaena hippurus*. Gulf States Marine Fisheries Commission Sponsored Age and Growth Workshop. Florida Marine Research Institute, St. Petersburg, FL. November 16.
- McBride\***, R. 2000. Reproductive tradeoffs by south Florida reef fishes: more than one way to put your eggs in a basket. University of South Florida, College of Marine Sciences, Seminar Series. St. Petersburg, FL. October 20.
- McBride\***, R. 2000. A new method for mapping the spawning grounds of fishes: a synthesis of GIS and GSI's. Florida Marine Research Institute Seminar Series. St. Petersburg, FL. May 12.
- McBride\***, R.S. 1998. Changes in latitudes, changes in vertebral numbers: implications for ladyfish population dynamics. Field Museum of Natural History. Seminar Series. Chicago, IL. July 8.
- McBride\***, R.S. 1998. Some population consequences of Gulf Stream-associated dispersal of marine fish larvae. University of Florida, Department of Fisheries and Aquatic Sciences, Gainesville, FL. May 29.
- McBride\***, R.S. 1998. Changes in latitudes, changes in vertebral numbers: implications for ladyfish population dynamics. Academy of Natural Sciences at Philadelphia. Seminar Series. Philadelphia, PA. April 8.
- McBride\***, R.S. 1996. Florida's halfbeak (*Hemiramphus* spp.) bait fishery. Florida Marine Fisheries Commission. Islamorada, FL. October 7.
- Mahmoudi, B., D. Pierce, L. Foushee, R. **McBride**, and F. McIntyre. 1996. Application of hydroacoustic techniques to the assessment of coastal small pelagics (baitfish) fishery resources along the west coast of Florida. Florida

Coastal Symp. (FCOST '96). Fort Pierce, FL: Harbor Branch Oceanographic Inst., Inc. April, 9-10. (Presented by B. Mahmoudi).

**McBride**<sup>\*</sup>, R.S. 1995. Florida's halfbeak (*Hemiramphus* spp.) bait fishery. Florida Marine Fisheries Commission. Islamorada, FL. December 5.

**McBride**<sup>\*</sup>, R.S. 1995. The early life history and population dynamics of bluefish, *Pomatomus saltatrix*. Marine Science Seminar. University of South Florida. St. Petersburg, FL. September 15.

**McBride**<sup>\*</sup>, R.S. 1995. The early life history and population dynamics of bluefish, *Pomatomus saltatrix*. Marine Science Seminar. Eckerd College. St. Petersburg, FL. September 6.

**McBride**<sup>\*</sup>, R.S. 1994. Population effects of larval dispersal: a view from the estuary. Sigma Xi of Eckerd College. St. Petersburg, FL. November 16.

**McBride**, R.S. 1994. Perennial occurrence and fast growth rates by crevalle jacks (*Carangidae: Caranx hippos*) in the Hudson River Estuary. Polgar Fellowship Review Meeting, Institute of Ecosystem Studies, Millbrook, NY. August 31.

**McBride**, R.S. 1994. Comparative ecology and life history of two temperate, northwestern Atlantic searobins, *Prionotus carolinus* and *P. evolans* (Pisces: Triglidae). Ph. D. dissertation defense and seminar. Institute of Marine and Coastal Sciences, Rutgers University. New Brunswick, NJ. July 26.

**McBride**, R.S. 1994. Preliminary analysis of abundance, growth, and habitats of young-of-the-year crevalle jacks (*Carangidae: Caranx hippos*) in the Hudson River estuary. Polgar Fellowship Seminar series. Bard College Field Station. Red Hook, NY. May 25.

**McBride**<sup>\*</sup>, R.S. 1994. Bluefish ecology and life history along the U.S. east coast. Laboratory Seminar. Florida Marine Research Institute. St. Petersburg, FL. May 4.

**McBride**<sup>\*</sup>, R.S. 1994. Bluefish early life history and fishery ecology: a perspective for the 90's. Laboratory Seminar. NOAA-NMFS, Sandy Hook Lab. Highlands, NJ. April 19.

**McBride**, R.S. 1993. Design and use of fishery surveys, including an example of searobin population dynamics. Graduate Student Seminar Series. Program for Ecology and Evolution. Rutgers University. New Brunswick, NJ. February 19.

**McBride**, R.S. 1992. Gulf Stream transport of tropical fish to the New York Bight. Friday Discussion Group. Marine Sciences Research Center. State Univ. of New York. Stony Brook, NY. February 18.

**McBride**, R.S. 1992. Gulf Stream transport of tropical fish to New Jersey: a tale of two fishes. Graduate Student Seminar Series. Program for Ecology and Evolution. Rutgers University. New Brunswick, NJ. January 31.

**McBride**, R.S. 1991. The early life history of Atlantic bluefish (*Pomatomus saltatrix*) or stories that fish bones tell. Graduate Student Seminar Series. Program for Ecology and Evolution. Rutgers University. New Brunswick, NJ. February 23.

**McBride**, R.S. 1988. Comparative growth and recruitment of bluefish (*Pomatomus saltatrix*) in the New York Bight. M.Sc. Thesis Defense/Seminar. State University of New York, Stony Brook, NY. November 7.

**McBride**, R.S. 1988. Growth and recruitment of spring vs. summer spawned bluefish in the New York Bight. 9th Annual MSRC Graduate Student Seminar Series. State University of New York. Stony Brook, NY. May.

**McBride**, R.S. 1987. Life history of *Albula vulpes* L.: an illustration of growing through shrinking. Benthic Ecology Discussion Group. State University of New York. Stony Brook, NY. December 8.

**McBride\***, R.S. 1987. The early life history of bluefish (*Pomatomus saltatrix*) in the New York Bight. Meeting of the American Littoral Society. Merrick, NY.

**McBride**, R.S. 1984-1985. A weekly slide show with alternating titles: 1) Form and function of coral reefs, and 2) An historical and ecological tour of the Turks and Caicos Islands. Meridian Club. Pine Cay, B.W.I. December 1984 to April 1985.

**McBride**, R.S. 1983. Ecology of aquatic culturing systems. Student Seminar Series. Department of Natural Sciences (Biology Collegium). Eckerd College. St. Petersburg, FL. September 14.

## **PROFESSIONAL SOCIETIES, MEMBERSHIP, AND SERVICE**

### Memberships (Active)

American Institute of Fishery Research Biologists  
American Fisheries Society (AFS), life member  
AFS Sections (Early Life History Section)  
AFS Chapters (southern New England, Florida)  
Central Gulf Coast Archaeological Society

### American Fisheries Society

Associate Editor, *Transactions of American Fisheries Society* (2005-2010)  
Early Life History Section, Secretary/Secretary-elect (2001-2004)  
Early Life History Section, Student Travel Grant Committee, Chair (1998-2001)  
Early Life History Section, Southern Division Representative (1999-2001)  
Early Life History Section, Awards Committee (1999, 2002)  
Florida Chapter, President-elect (2004), President (2005), Past-President (2006)  
Florida Chapter, Awards Committee (1997, 1999-2001, 2003-2006, 2008)  
Florida Chapter, Rottmann Scholarship Committee (2003-2005)  
Florida Chapter, Membership Committee (1996-2001)  
Florida Chapter, Time and Place Committee (2004)  
Florida Chapter, Student Affairs Committee for the Parent Society Meeting – Tampa, FL (1995)  
Mid-Atlantic Chapter EXCOM, Student Representative (1992-1993)  
National Organization, Membership Committee (1994-5)  
Southern Division, 4<sup>th</sup> Annual Fisheries Student Colloquium, Panel member: “Careers for fishery students” (2004)  
Southern Division, EXCOM (Florida Chapter President) (2006)

### American Institute of Fishery Research Biologists

New England AIFRB District Director (2009-2011)  
Reviewer, W.F. Thompson Award (2008, 2009 papers)  
Member, W.F. Thompson Award Committee (2012-current)

### FishBase ([www.fishbase.org](http://www.fishbase.org))

Collaborator on species pages (2013+)

### Florida Marine Research Institute (1994-2006)

Active on various committees; initiated, sponsored, or collaborated on workshops; participated in outreach events (e.g., MARINE-QUEST), regularly reviewed documents for in-house publication and for peer-review journals, contributed to newsletters (e.g., FMRI Soundings), and presented several in-house seminars.

### Florida Representative, Fishery Management Agencies

Special Mackerel Scientific and Statistical Committee, Gulf of Mexico Fishery Management Council (1999-2006)  
Shad/River Herring Technical Committee, ASMFC (1995-2005 [Vice-chair: 2001-2002; Chair: 2002-2004])  
Bluefish Technical Committee, Atlantic States Marine Fisheries Commission (ASMFC) (2003-2006)

International Council for the Exploration of the Sea

Stock Identification Methods Working Group (SIMWG), member (2013+)  
Science Requirements to Support Conservation, Restoration and Management of Diadromous Species (WGRECORDS), member (2013+)  
Working Group on Fisheries-Induced Evolution (WGECVO), member (2013+)

International Union for Conservation of Nature

Invited expert, Red List Workshop (ladyfish, tarpon, and bonefish). Lee Stocking Island, Bahamas, March, 2011.

National Marine Fisheries Service (2006-present)

Woods Hole Lab seminar committee, Member (2007-current); Chair (2009-current)  
NEFSC Committee on Scientific Standing and Promotion, Member, (2013-2016)  
*Fishery Bulletin*, Editorial Committee (2008-current).

Northwest Atlantic Fisheries Organization

Member, Working Group on Reproductive Potential, 2007-2012.

Working papers at stock assessment meetings (Presenter)

TRAC: Transboundary Review Assessment Committee (United States & Canada)  
SAW/SARC: Stock Assessment Workshop/Stock Assessment Review Committee (Northeast US)  
SEDAR: SouthEast Data, Assessment, and Review (Southeast US)

2014, TRAC: precision of yellowtail flounder production aging (no presentation)  
2014, TRAC: yellowtail flounder fecundity and condition (no presentation)  
2012, TRAC: summary of yellowtail flounder research (McElroy)  
2012, SAW/SARC54: maturity QA/QC of yellowtail flounder (McBride)  
2012, SAW/SARC54: fecundity of yellowtail flounder (McElroy)  
2012, Annual Catch Limits: wolfish maturity (Keith)  
2011, SAW/SARC53, sex determination of black sea bass (Wuenschel)  
2011, SAW/SARC52: maturity QA/QC of winter flounder (McBride)  
2011, SAW/SARC52: fecundity of winter flounder (McElroy)  
2009, Vessel Calibration Analysis Review: age consistency across vessels (McBride)  
2007, Groundfish Assessment Review Meeting: trends in flatfish condition (Sutherland)  
2004, SEDAR 6: hogfish yield-per-recruit  
2002, Florida Keys Sanctuary Advisory Council: halfbeak fishery and biology (McBride)  
1996, Florida Marine Fisheries Commission: halfbeak fishery and biology (McBride)

Journal Reviewer

*American Fisheries Society Symposium Series*  
*Belgian Journal of Zoology*  
*Biological Invasions*  
*Bulletin of Marine Science*  
*Bulletin of the New Jersey Academy of Sciences*  
*Cahiers de Biologie Marine*  
*Canadian Journal of Fisheries & Aquatic Sciences*  
*Caribbean Journal of Science*  
*CHECK LIST – J. of Species Lists and Distribution*  
*Ecological Applications*  
*Endangered Species Research*  
*Estuaries*  
*Estuarine, Coastal and Shelf Science*  
*Fisheries Management and Ecology*  
*Fisheries Research*  
*Fishery Bulletin, U. S.*

*Gulf and Caribbean Research*  
*Gulf of Mexico Science*  
*Hydrobiologia*  
*ICES Cooperative Research Report*  
*ICES Journal of Marine Science*  
*Journal of Coastal Research*  
*Journal of Fish Biology*  
*Journal of Northwest Atlantic Fishery Science*  
*Journal of Sea Research*  
*Marine Biodiversity Records*  
*Marine Biology*  
*Marine Ecology – Progress Series*  
*Marine and Coastal Fisheries*  
*Marine and Freshwater Research*  
*Mediterranean Marine Science*  
*NOAA Professional Papers Series*

*North American Journal of Fisheries Management*  
*Physiological and Biochemical Zoology*  
*PLOS One*  
*Progress in Oceanography*  
*Reproductive Biology*  
*Revista de Investigación y Desarrollo Pesquero*  
*Reviews in Fish Biology and Fisheries*

*River Research and Applications*  
*Scientia Marina*  
*Scientific World Journal*  
*Transactions of the American Fisheries Society*  
*Transactions, American Philosophical Society*  
*Zootaxa*

#### Editorial

*Fishery Bulletin*, Editorial Committee (2008-current)  
*Bulletin of Marine Science*, Editorial Board (2012-current)  
*Environmental Biology of Fishes* (Guest Editor, 2016)  
*Transactions of the American Fisheries Society*, Associate Editor (2005-2010)

#### Grant Agency Reviewer

Estonian Science Foundation  
Florida Department of Environmental Protection, Marine Resources Grants  
Hudson River Foundation  
National Estuarine Research Reserve Fellowship Program  
National Fish and Wildlife Foundation, Shell Marine Habitat Program  
NOAA – Anadromous Fish Conservation Act  
NOAA – Bluefish-Striped Bass Dynamics Research Program  
NOAA – Center for Sponsored Coastal Ocean Research; National Centers for Coastal Ocean Science  
NOAA – Cooperative Marine Education and Research (CMER) Program  
NOAA – Cooperative Research Program  
NOAA – Fisheries and the Environment (FATE) Program  
NOAA – Horseshoe Crab Research and Monitoring Program  
NOAA – MARFIN (Marine Fisheries Initiative)  
NOAA – Research Set-Aside Programs (Mid-Atlantic, Monkfish, Scallop)  
NOAA – National Undersea Research Program, Caribbean Marine Research Center (Panel Member)  
NOAA – Saltonstall-Kennedy (S-K) Program  
NOAA – Sea Grant (Florida, Georgia, Mississippi-Alabama, North Carolina, Texas, Virginia, National)  
NOAA – Species Recovery Grants  
National Science Foundation – International Research Fellowship Program  
North Pacific Research Board

#### Technical monitor of NOAA grants

NOAA – Saltonstall-Kennedy (S-K) Program

#### Scientific Conferences and Workshops

2015 Symposium co-organizer, Gutshop 2015: New Perspectives on Feeding Ecology of Fishes, AFS, Portland, OR  
2014 Workshop co-organizer: Maturity And Reproductive Life Strategies (MARVLS), AFSC, Seattle, WA.  
2014 Workshop co-organizer: Age validation, 5<sup>th</sup> International Otolith Symposium, Mallorca, Spain.  
2014 Symposium co-organizer: Community ecology and trophic interactions of fishes, AFS, Quebec City, Canada.  
2011 Sym. co-organizer “Repro. dynamics to inform fishery management,” Larval Fish Conf., Wilmington, NC  
2011 Symposium moderator, “Southeast Reef Fishes”, Southern Division (Am. Fish. Soc.), Tampa, FL  
2010 Facilitator, “Including habitat-specific life history rates in population models,” NSAW-NHAW, St. Pete., FL  
2010 Panel member, “Stock Delineation, Food Webs and Habitat Use,” International Hake Symp., Portland, ME  
2010 Rapporteur, Workshop on Egg Production Method for Estimating Fish Biomass, Athens, Greece  
2010 Co-leader, NAFO Working Group on Reproductive Potential (ToR 2), Athens, Greece.  
2009 Organizer, Facilitator, NEFSC Food Web Dynamics Program Review, Woods Hole, MA  
2009 Co-leader, ‘Write Better’ Session, NEFSC Science Symposium, Newport, RI  
2008 Co-leader, NAFO Working Group on Reproductive Potential (ToR 2), Palermo, Italy.  
2008 Co-moderator, 10<sup>th</sup> National Stock Assessment Workshop (NSAW-10), Port Townsend, WA.  
2006 Business Meeting (as President), Session Moderator, Florida Chapter (AFS) Annual Meeting.

2005 Session Coordinator, Session Moderator, Gonadal Histology Workshop, FWC-FWRI. St. Petersburg, FL  
2005 Program Chair, Symposium Organizer, & Session Moderator, Florida Chapter (AFS) Annual Meeting.  
2004 Poster Session Organizer, Annual Meeting of the Gulf and Caribbean Fisheries Institute.  
2004 Co-organizer, American Shad Age Validation Workshop, VA Inst. Mar. Sci./Atl. States Mar. Fish. Comm.  
2004 Session Moderator, Larval Fish Conference, Clemson University, SC  
2003 Workshop Organizer, Presenter, "Whispering otoliths." Weedon Is. Preserve, Cultural & Nat. Hist. Cent.

## **SUPERVISORY EXPERIENCE**

### National Marine Fisheries Service

Active federal: Nancy Kohler (2006+), Eric Robillard (2011+), Stacy Rowe (2010+), Brian Smith (2006+), Mark Wuenschel (2008+)

Past federal: Jay Burnett (2006-2010), John Hauser (2006-2013), Jason Link (2006-2011)

Affiliated contractors: Jason Boucher (2015+), Josh Dayton (2009-2010), Victoria Klima (2012-2013), Dave McElroy (2009+), Yvonna Press (Rowinski; 2009-2013), Emilee Towle (2009+), Megan Winton (2011-2013)

### Florida Marine Research Institute

Jen Funk (2006/summer), Angela Collins (2005-2006), Adam Richardson (2004-2006), Anthony Garcia (2005), Courtney Wellington (2004/summer), Julie Harris (2003-2005), Kristin Maki (2003-2005), Paul Thurman (1999-2004), Ginny Chandler (2002-2004), Shannon Whitaker (2001-2003), Sarah Yarborough (2002/summer), Mike Larkin (1999-2000), Eric Robillard (1999-2000), Dan Merryman (1998-1999), Heather Patterson (1998-1999), Fred Stengard (1998-1999), Justin Styer (1997-1998)

## **TEACHING & MENTORING EXPERIENCE**

### Appointments at academic institutions (post-doctoral)

University of Maryland, Eastern Shore, Courtesy Faculty, Department of Natural Sciences, 2011-current  
University of New Hampshire, Courtesy Faculty, Department of Natural Sciences, 2011-2012  
Delaware State University, Courtesy Faculty, Department of Agriculture and Natural Resources, 2011-current  
University of Massachusetts, Dartmouth, Courtesy Faculty, Department of Biology, 2009-current  
University of South Florida, Tampa, Courtesy Faculty, Department of Biology, 2007-current  
University of Massachusetts, Amherst, Courtesy Faculty, Department of Wildlife Management, 2007-2009  
University of Florida, Gainesville, Courtesy Faculty, Department of Fisheries and Aquatic Sciences, 2004-2008  
Florida Atlantic University, Davie, Courtesy Faculty, Department of Biological Sciences, 2004-2008  
University of West Florida, Pensacola, Courtesy Faculty, Department of Biology, 2005-2007  
University of South Florida, Tampa, Courtesy Faculty, College of Marine Science, 2001-2004  
Eckerd College, St. Petersburg, FL, Instructor, Spring, 2002  
University of Southern Mississippi, Ocean Springs, MS, Instructor, Summer, 2000

### Courses taught

Guest Lecturer, How old is that fish? Ageing methods and applications ("Biology of Fishes," Dr. Rodney Rountree).  
Massachusetts Maritime Academy. December 1, 2009.  
Guest Lecturer, Nonlinear estimation ("Advanced Statistical Analysis," Dr. Steve X. Cadrin). Univ. Massachusetts,  
Dartmouth. School for Marine Science and Technology. November 4, 2008.  
Guest Lecturer, A fishery-dependent survey of a small fishing fleet. ("Surveying Natural Populations," Dr. P.  
Hallock Muller). University South Florida. College of Marine Science. March 21, 2006.

Instructor, Ecological Methods, Spring 2002, Eckerd College (ESN 331; 3.5 credits)

Instructor, Marine Biology, Summer 2000, University of Southern Mississippi, (COA 301: 3 credits)

Instructor, Marine Biology-Lab, Summer 2000, University of Southern Mississippi, (COA 301L: 2 credits)

Teaching Assistant, Ichthyology, Fall 1989, 1991, 1993; Rutgers University

Teaching Assistant, Estuarine Ecology, Fall 1990; Rutgers University

Teaching Assistant, General Biology (I & II), Fall 1989-Spring 1990; Rutgers University

### Students, Interns, & Volunteers

#### National Marine Fisheries Service

Rosalia Ferreri	CNR-IAMC, Sicily	April, 2015
Gualtiero Basilone	CNR-IAMC, Sicily	April, 2015
Ian Mo	Hong Kong Baptist University	Summer, 2012
Javar Henry	Savannah State University	Summer, 2012
Evan Linsday	Univ. Maryland, Eastern Shore	Summer, 2011
Zachary Williams	South Carolina State University	Summer, 2010
Christina Guidoboni	Univ. New England	Summer, 2009
Samara Lawrentz	Univ. Maryland, Eastern Shore	Summer, 2009
Jonathan Breton	Univ. Massachusetts (Dartmouth)	2009-2011

#### Florida Marine Research Institute

Jennifer Funk	Eckerd College	Autumn, 2005; Spring, 2006
Christina Ring-Hillard	Eckerd College	Spring, 2004
Amanda Ross	University of Tampa	Spring, 2003
Kimberly Heater	Eckerd College	Winter-Spring, 2003
Theresa Kanaszka	University of Tampa	Summer-Autumn, 2002
Adam Brame	University of South Florida	Autumn, 2001, Spring, 2002
Sarah Yarborough	Eckerd College	Autumn, 2001, Spring, 2002
Shane Dunn	University of South Florida	Summer, 2001
Maki Tabuchi	Florida State University	Spring, 2001
Nikki Kaufman	University of Tampa	Spring, 2001
Jennifer Tamborski	Eckerd College	Autumn, 2000; Spring, 2001
Andrij Horodysky	Eckerd College	Autumn, 1998, 1999; Spring, 1999, 2000
Jennifer Macal	Eckerd College	Autumn, 1999
Micah Bakenhaster	University of Tampa	Summer, 1998
John Plunket	Eckerd College	Spring, 1998
Holly Evans	University of Tampa	Autumn, 1997
Kerry Gladish	University of Tampa	Summer, 1997
Hettie Coyle	University of South Florida	Spring, 1997
Laura Scarvey	University of South Florida	Autumn, 1996

#### American Fisheries Society Hutton Junior Scholar

Courtney Wellington	Dixie Hollins High School	Summer, 2003
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#### Academic committee member

Date of degree completed or projected (~)

Benjamin J. Marcek	College of William & Mary	Ph.D., Fisheries Science	~2017
Justin Wilson	University of Maryland, E. Shore	M. S., Fisheries	~2016
Jordan Zimmerman	Delaware State University	M. S., Fishery Science	~2016
Matthew Tweedie	Univ. Massachusetts (Dartmouth)	M. S., Marine Biology	2014
Angela Collins	University of South Florida	Ph. D., Biology	2014
Jessica Knapp	University of New Hampshire	Ph. D., Biological Sciences	2012
Tiffany Vidal	Univ. Massachusetts (Dartmouth)	M. S., Marine Science and Technology	2010

Alicia (Long) Miller	Univ. Massachusetts (Dartmouth)	M. S., Fisheries Oceanography	2010
William Duffy	Univ. Massachusetts (Dartmouth)	M. S., Marine Biology	2009
Sean M. Lucey	Univ. Massachusetts (Amherst)	M. S., Wildlife and Fisheries Conservation	2009
Cecilia Louder	University of West Florida	M. S., Biology	2009
Timothy C. Theisen	Florida Atlantic University	Ph. D., Biology	2007
P. Murphy Alexander	Manonmaniam Sundaranar U.	Ph. D., Zoology	2007
J. M. A. Prabhu Arachi	Manonmaniam Sundaranar U.	Ph. D., Zoology	2006
Nicholas Trippel	University of Florida	M. S., Aquatic Science	2006
Jaclyn Debicella	University of Florida	M. S., Aquatic Science	2005
Paul E. Thurman	University of South Florida	M. S., Marine Science	2004
Andrij Horodysky	Eckerd College	B. S., Marine Science Honors Thesis	2000

#### Science Fair Judge

Falmouth (MA) Public School District Science & Engineering Fair (Feb/March, 2014-2016)  
 Pinellas County (FL) Science Fair (February, 1996-2000, 2002-2004)  
 Jersey Shore (NJ) Science Fair (March, 1994)  
 Galloway Township (NJ) Elementary School (March, 1993)

#### Volunteer, miscellaneous

Great American Teach-In, Pinellas County, FL (1999, 2000, 2003-2005)  
 Central Gulf Coast Archaeological Society (1999-2003)  
 Graduate Programs Committee (MSRC-SUNY), (1986-1988)  
 Field Museum of Natural History, Chicago, IL (1986)  
 Florida Department of Natural Resources, St. Pete., FL (1983)  
 John G. Shedd Aquarium, Chicago, IL (1981-1982)

### **CERTIFICATIONS, TRAINING, and OTHER RELEVANT EXPERIENCE**

#### Regular training as a federal employee

Purchase card, micropurchase training (annually since 2013)  
 National Safety Council Defensive Driving Course (every three years since 2010)  
 Overseas Defensive Travel, IT, and Counter-Intelligence Briefing (annually since 2009)  
 Federal Acquisition Certification for Contracting Officer Technical Representative (2009, 2011)  
 NOAA Safety and Environmental Compliance Course (annually since 2007)  
 NOAA IT Security Awareness Course (annually since 2007)  
 The No Fear Act Certificate (every two years since 2006)  
 NMFS EEO/Harassment Training Workshop (every two years since 2007)  
 NOAA Fisheries CORE Policy Training for Supervisors (2011, 2014)  
 Government Ethics Training (every three years since 2006)

#### Other training

2015 The Data Scientist's Toolbox (Coursera)  
 2015 Statistical Inference (Coursera)  
 2013 Generalized Additive Models in R Workshop (NOAA, NMFS)  
 2013 Spatial mapping and statistics Workshop (AIRFB)  
 2013 Scientific Communication for Natural Resource professionals (AFS, So. New England Chapter)  
 2012 Safety Training For Supervisors (NOAA, NMFS), Commerce Learning Center  
 2012 Plain Language Training, NOAA, U.S. Dept. Commerce  
 2011 Using the Baldrige Approach for Organizational Alignment, WebEx, U.S. Dept. Commerce  
 2011 Hiring: Recruitment Planning, Commerce Learning Center, WebEx, U.S. Dept. Commerce  
 2011 Uniformed Services Employment and Reemployment Rights Act, Commerce Learning Center  
 2011 Monte Carlo simulation techniques, Southern Division (American Fisheries Society)  
 2010 Endnote X4 and Endnote Web Overview (NOAA Central Library)  
 2010 Akaike Information Criterion Workshop (Applied Information Company)

- 2009 R-Programming, Intermediate (NMFS, NEFSC)
- 2008 Leadership Seminar (U. S. Office of Personnel Management)
- 2008 USDOC Freedom of Information Act training
- 2007 Safety Training For Supervisors (NOAA, NMFS)
- 2007 Supervisory Seminar (U. S. Office of Personnel Management)
- 2007 Introductory SEQEL (SQL) computer language
- 2007 Introduction to Labor-Management Relations (NOAA, NMFS)
- 2006 Introduction to Accident Investigation (OSHA Course #7505)
- 2006 Stock Assessment Techniques II (Atlantic States Marine Fisheries Commission)
- 2006 R-Programming Language (XLSolutions)
  
- 2005 Stock Assessment Techniques I (Atlantic States Marine Fisheries Commission)
- 2005 ArcGIS (Florida Fish & Wildlife Institute)
- 2005 Standard First Aid, Oxygen Administration, & CPR (Red Cross)
- 2003 Leadership Training (Atlantic States Marine Fisheries Commission)
- 2003 Development and Management of Grants (Florida Marine Research Institute)
- 2001 Class D Driving License (State of Florida)
- 2001 Boating Skills and Seamanship (U.S. Coast Guard Auxiliary)
  
- 1999 Leadership Training (1000 Friends of Florida & Florida Conflict Resolution Consortium)
- 1998 Certificate of Boating Education (State of Florida)
- 1998 Standard First Aid, Oxygen Administration, & Adult CPR (Red Cross)
- 1997 Public Service Training (Florida Department of Environmental Protection)
- 1995 Hydroacoustics Certification (Biosonics, Inc.)
- 1994 Chemical Hazards and Laboratory Safety (Florida Marine Research Institute)
  
- 1981 Advanced SCUBA Certification (YMCA)
- 1979 Water Safety Instructor (Red Cross)
- 1978 Sport Diver (NAUI)

Media Experience

- 1998 Appearance on an episode of 'Life on Tampa Bay' (Public access TV)

Numerous interviews with print media

Scientific experience at sea

> 200 days at sea [scientific party] on vessels > 7 m

R/V Albatross IV	2 cruises (24 days)	FSV Henry B. Bigelow	3 cruises (27 days)
R/V ARGO Maine	5 cruises (5 days)	F/V Amy-Diane	1 cruise (1 day)
R/V Bonnie 'E'	6 cruises (6 days)	F/V Ballyhoo Blues II	1 cruise (1 day)
R/V Caleta	23 cruises (28 days)	F/V D.O.A.	2 cruises (2 days)
R/V Delaware II	2 cruises (16 days)	F/V Donna Lynn	8 cruises (8 days)
R/V Gloria Michelle	3 cruises (5 days)	F/V ESS Pursuit	1 cruise (4 days)
R/V Hermes	2 cruises (2 days)	F/V Jackpot	5 cruises (7 days)
R/V Kyma	1 cruise (4 days)	F/V Grumpy	7 cruises (7 days)
R/V Onrust	1 cruise (1 day)	F/V Let-er-go	2 cruises (2 days)
R/V Sharp	1 cruise (5 days)	F/V Miss Virginia	4 cruises (4 days)
R/V Tommy Munro	6 cruises (42 days)	F/V Praise The Lord	2 cruises (2 days)
R/V USM4	2 cruises (2 days)	F/V Red Chip	3 cruises (3 days)
R/V Walton Smith	1 cruise (2 days)		

## Languages

English (Native tongue, proficient at reading, writing, speaking, listening)

Spanish (Novice reading, writing, speaking, listening)

Danish (Basic reading, writing, speaking, listening)

SAS (proficient, statistical programming)

R (proficient, statistical and illustration programming)

## **RESEARCH GRANTS and CONTRACTS**

### As a NOAA Fisheries Scientist (\$1,809,883)

2016	NOAA Fisheries - International Fellowship (\$10,330)
2015-2016	NEFMC Groundfish Research Program (\$74,536; Collaborator)
2015-2016	NEFMC Groundfish Research Program (\$104,486; Collaborator)
2015-2016	NOAA Fisheries - Office of Habitat Conservation, (\$95,690; PI)
2015-2016	NOAA Fisheries - Office of Science and Technology, (\$50,000; PI)
2009-2014	NOAA Fisheries – Northeast Cooperative Research Program, (\$1,040,011; PI/COTR)
2011-2013	NOAA Fisheries – Habitat Assessment Improvement Program, (\$104,000, co-PI)
2010-2013	University of Massachusetts – Dartmouth, (\$99,000; COTR)
2010-2012	Partnership for Mid-Atlantic Fishery Science (\$124,760, COTR)
2009-2010	NOAA Fisheries - Fisheries and the Environment (FATE) Program, (\$42,000; co-PI)
2009-2011	NOAA Fisheries - Advanced Sampling and Technology Working Group, (\$75,400; co-PI)

### As an FWC-FMRI Scientist (\$1,482,711)

2006-2008	Florida Sea Grant College Program (\$222,435; co-PI)
2005-2007	Cooperative Research Program, NOAA Fisheries (\$169,388; PI)
2003-2005	MARFIN (Marine Fisheries Initiative), NOAA Fisheries (\$232,398; PI)
2003-2004	St. Johns Water Management District (\$25,000; PI)
2002-2005	Sportfish Restoration Funds, U. S. Fish & Wildlife Service (\$398,817; PI)
2001-2004	USGS/MMS Funds, Florida Caribbean Science Center (\$140,000; PI)
1999-2001	Sportfish Restoration Funds, U. S. Fish & Wildlife Service (\$118,000; PI)
1998-2000	MARFIN (Marine Fisheries Initiative), NOAA Fisheries (\$91,874; PI)
1997-1999	Saltonstall-Kennedy Program, NOAA Fisheries (\$84,799; PI)

### As a graduate student (\$15,460)

1994	Tibor T. Polgar Fellowship, The Hudson River Foundation (\$2,500; PI)
1992-1993	The Sounds Conservancy, Inc. (\$1,660; PI)
1990-1994	Graduate Student Research Fund, Rutgers University (\$3,650; PI)
1990-1992	Leathem Scholarship Fund, Rutgers University (\$2,650; PI)
1990-1991	Fisheries & Aquaculture Tex Center, Rutgers University (\$5,000; co-PI)