

**RICHARD SHERWOOD MCBRIDE**

## Professional Address:

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## Current position, since 2006

Chief, Population Biology Branch & Supervisory Research Fishery Biologist  
National Marine Fisheries Service, Northeast Fisheries Science Center, Woods Hole, MA

Vision: Use QA/QC to build the most reliable datasets for stock and ecosystem assessments, test new methods and incorporate best practices that reduce bias, increase precision, and minimize costs, facilitate process-oriented research by leveraging archived samples, 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)

**PROFESSIONAL HISTORY (since baccalaureate)**

NATIONAL MARINE FISHERIES SERVICE, NORTHEAST FISHERIES SCIENCE CENTER, Woods Hole, MA

Chief, Population Biology Branch & Supervisory Research Fishery Biologist (ZP-0482-IV), since 2006  
(Supervisor: Dr. Wendy L. Gabriel)

- 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.

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,  
(Supervisors: Drs. B. Mahmoudi, R. Crabtree, L. Barbieri, J. Colvocoresses)

- 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  
(Major Professor: Dr. Kenneth W. Able)

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

(Major Professor: Dr. David O. Conover)

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

(Supervisor: Prof. Sir Peter R. Crane)

Research and Curatorial Technician, 1985-1986,

- Assistant to National Science Foundation-funded research regarding the early radiation of flowering plants.

FOUNDATION FOR PRIDE, Turks and Caicos Islands, BWI

(Supervisor: Mr. Charles O. Hesse)

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

(Supervisor: Mr. David P. Cowan)

Research Technician, 1984, 1985 (Summers)

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

### **APPOINTMENTS, ADJUNCT PROFESSOR (Active)**

University of Connecticut, Storrs, CT, Courtesy Faculty, Dept. of Ecology and Evolutionary Biology

- Serving on one Ph.D. committee (active)

University of Maryland, Eastern Shore, MD, Courtesy Faculty, Department of Natural Sciences

- Served on three M.S. committees (one active)

University of Massachusetts, Dartmouth, MA, Courtesy Faculty, Department of Biology

- Served on three M.S. committees

### **CITIZENSHIP**

United States of America

### **AWARDS & OTHER HONORS**

#### Professional

- 2016 Special Recognition Award (Southern New England Chapter, American Fisheries Society)
- 2016 NOAA Fisheries – International Fellowship
- 2016 Best Professional Paper (co-author), Florida Chapter, American Fisheries Society
- 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 (co-author), Australian Assoc. Marine Sciences Meeting
- 2000 Best Student Presentation (co-author), Florida Chapter, American Fisheries Society
- 2000 Best Student Poster (co-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 NOAA 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 NOAA 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

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## PUBLICATIONS

### Summary

Google citations lists 98 articles, citations > 1500, h-index > 20;

<https://scholar.google.com/citations?user=yFD1AYwAAAAJ&hl=en>

75 published peer-review articles: 41 as senior author, 34 as junior author (10 with student co-authors<sup>§</sup>).

<https://orcid.org/0000-0003-1120-0414>

### Peer-reviewed journal articles and notes (in print, in press)

Ferreri, R, RS **McBride**, M Barra, A Gargano, S Mangano, M Pulizzi, S Aronica, A Bonanno, G Basilone. 2019. Variation in size at maturity by horse mackerel (*Trachurus trachurus*) within the central Mediterranean Sea: implications for investigating drivers of local productivity and applications for resource assessments. *Fisheries Research*. 211: 291-299. DOI: [10.1016/j.fishres.2018.11.026](https://doi.org/10.1016/j.fishres.2018.11.026)

Wuenschel MJ, WD McElroy, K Oliveira, and RS **McBride**. 2018/online. Measuring fish condition: an evaluation of new and old metrics for three species with contrasting life histories. *Canadian Journal of Fisheries and Aquatic Sciences*. DOI: [10.1139/cjfas-2018-0076](https://doi.org/10.1139/cjfas-2018-0076)

**McBride**, RS, MK Tweedie, and K Oliveira. 2018. Reproduction, first-year growth, and expansion of spawning and nursery grounds of black sea bass (*Centropristis striata*) into a warming Gulf of Maine. *Fishery Bulletin* 116: 323-336. DOI: [10.7755/FB.116.3-4.10](https://doi.org/10.7755/FB.116.3-4.10).

Seyoum, S, RS **McBride**, MD Tringali, VL Villanova, C Puchutulegui, S Gray and N van Bibber. 2018. Genetic population structure of the spotted seatrout (*Cynoscion nebulosus*): simultaneous examination of the mtDNA control region and microsatellite marker results. *Bulletin of Marine Science* **94**(1): 47-71. DOI: [10.5343/bms.2017.1060](https://doi.org/10.5343/bms.2017.1060).

Perretti, CT, MJ Fogarty, KD Friedland, JA Hare, SM Lucey<sup>§</sup>, RS **McBride**, TJ Miller, RE Morse, L O'Brien, JJ Pereira, LA Smith and MJ Wuenschel. 2017. Regime shifts in fish recruitment on the Northeast US Continental Shelf. *Marine Ecology Progress Series* **574**: 1-11. DOI: [10.3354/meps12183](https://doi.org/10.3354/meps12183) (**This appeared as a feature article**).

Seyoum, S, RS **McBride**, C Puchutulegui, J Dutka-Gianelli, AC Alvarez and K Panzner. 2017. Genetic population structure of sheepshead, *Archosargus probatocephalus* (Sparidae), a coastal marine fish off the southeastern United States: multiple population clusters based on species-specific microsatellite markers. *Bulletin of Marine Science* **93**(3): 691-713. DOI: [10.5343/bms.2016.1069](https://doi.org/10.5343/bms.2016.1069).

**McBride**, RS, AK Johnson, EK Lindsay<sup>§</sup>, HJ Walsh and RA Richards. 2017. Goosefish *Lophius americanus* fecundity and spawning frequency, with implications for population reproductive potential. *Journal of Fish Biology* **90**(5): 1861-1882. DOI: [10.1111/jfb.13272](https://doi.org/10.1111/jfb.13272).

Chute, AS, RS **McBride**, SJ Emery and E Robillard. 2016. Annulus formation and growth of Atlantic surfclam (*Spisula solidissima*) along a latitudinal gradient in the western North Atlantic Ocean. *Journal of Shellfish Research* **35**(4): 729-737. DOI: [10.2983/035.035.0402](https://doi.org/10.2983/035.035.0402).

**McBride**, RS, R Ferreri, EK Towle, JM Boucher and G Basilone. 2016. Yolked oocyte dynamics support agreement between determinate- and Indeterminate-method estimates of annual fecundity for a northeastern United States population of American shad. *PLOSOne*. DOI: [10.1371/journal.pone.0164203](https://doi.org/10.1371/journal.pone.0164203).

Seyoum, S, C Puchutulegui and RS **McBride**. 2016. Isolation and characterization of 24 polymorphic microsatellite loci for the study of genetic population structure of the sheepshead *Archosargus probatocephalus* (Actinopterygii, Perciformes, Sparidae). *BMC Research Notes* **9**(251). DOI: [10.1186/s13104-016-2058-7](https://doi.org/10.1186/s13104-016-2058-7).

McElroy, WD, MJ Wuenschel, EK Towle and RS **McBride**. 2016. Spatial and annual variation in fecundity and oocyte atresia of yellowtail flounder, *Limanda ferruginea*, in U.S. waters. *Journal of Sea Research* **107**((Part 1)): 76-89. DOI: [10.1016/j.seares.2015.06.015](https://doi.org/10.1016/j.seares.2015.06.015). **Special issue: 9<sup>th</sup> International Flatfish Symposium.**

Collins<sup>§</sup>, AB, LR Barbieri, RS **McBride**, ED McCoy and PJ Motta. 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. DOI: [10.5343/bms.2015.1001](https://doi.org/10.5343/bms.2015.1001).

Seyoum, S, AB Collins, C Puchulutegui, RS **McBride** and MD Tringali. 2015. Genetically determined population structure of hogfish (Labridae: *Lachnolaimus maximus*) in the southeastern United States. Fishery Bulletin **113**(4): 442–455. DOI: [10.7755/FB.113.7](https://doi.org/10.7755/FB.113.7).

**McBride**, RS. 2015. Diagnosis of paired age agreement: a simulation of accuracy and precision effects. ICES Journal of Marine Science: Journal du Conseil **72**(7): 2149-2167. DOI: [10.1093/icesjms/fsv047](https://doi.org/10.1093/icesjms/fsv047). **Special issue: 5<sup>th</sup> International Otolith Symposium.**

Collins, AB and RS **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. DOI: [10.1111/fme.12102](https://doi.org/10.1111/fme.12102).

Trippel<sup>§</sup>, NA, MS Allen and RS **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. DOI: [10.1080/00028487.2014.982177](https://doi.org/10.1080/00028487.2014.982177).

**McBride**, RS, S Somarakis, GR Fitzhugh, A Albert, NA Yaragina, MJ Wuenschel, A Alonso-Fernández and G Basilone. 2015. Energy acquisition and allocation to egg production in relation to fish reproductive strategies. Fish and Fisheries **16**(1): 23-57. DOI: [10.1111/faf.12043](https://doi.org/10.1111/faf.12043). **Most cited article of this volume (74 cites, 5/2018).**

Winton, MV, MJ Wuenschel and RS **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**(9): 1279-1290. DOI: [10.1139/cjfas-2013-0617](https://doi.org/10.1139/cjfas-2013-0617).

**McBride**, RS. 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**: 710-734. DOI: [10.1080/02755947.2014.902408](https://doi.org/10.1080/02755947.2014.902408).

Press, YK, MJ Wuenschel and RS **McBride**. 2014. Time course of oocyte development in winter flounder (*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. DOI: [10.1111/jfb.12431](https://doi.org/10.1111/jfb.12431).

Hyle<sup>§</sup>, AR, RS **McBride** and JE Olney. 2014. Determinate versus indeterminate fecundity in American shad, an anadromous clupeid. Transactions of the American Fisheries Society **143**(3): 618-633. DOI: [10.1080/00028487.2013.862178](https://doi.org/10.1080/00028487.2013.862178).

Adams, AJ, AZ Horodysky, RS **McBride**, K Guindon, J Shenker, TC MacDonald, HD Harwell, R Ward and K Carpenter. 2014. Global conservation status and research needs for tarpons (Megalopidae), ladyfishes (Elopidae) and bonefishes (Albulidae). Fish and Fisheries **15**(2): 280-311. DOI: [10.1111/faf.12017](https://doi.org/10.1111/faf.12017).

**McBride**, RS, TE Vidal<sup>§</sup> and SX Cadrin. 2013. Changes in size and age at maturity of the northern stock of tilefish (*Lopholatilus chamaeleonticeps*) after a period of overfishing. Fishery Bulletin **111**: 161-174. DOI: [10.7755/FB.111.2.4](https://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. DOI: [10.1111/fog.12024](https://doi.org/10.1111/fog.12024).

Baumann, H, SJ Sutherland and RS **McBride**. 2013. Longitudinal length back-calculations from otoliths and scales differ systematically in haddock. Transactions of the American Fisheries Society **142**(1): 184-192. DOI: [10.1080/00028487.2012.728168](https://doi.org/10.1080/00028487.2012.728168).

**McBride**, RS, MJ Wuenschel, P Nitschke, G Thornton and JR 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. DOI: [10.1016/j.seares.2012.04.005](https://doi.org/10.1016/j.seares.2012.04.005). **One of the five most highly cited papers in this journal for 2013 (in 2016)**.

McElroy, WD, MJ Wuenschel, YK Press, EK Towle and RS **McBride**. 2013. Differences in female individual reproductive potential among three stocks of winter flounder, *Pseudopleuronectes americanus* Journal of Sea Research **75**: 52-61. DOI: [10.1016/j.seares.2012.05.018](https://doi.org/10.1016/j.seares.2012.05.018).

Wuenschel, MJ, RS **McBride** and GR 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. DOI: [10.1016/j.fishres.2012.05.012](https://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. S Seyoum, MD Tringali, BL Barthel, C Puchulutegui, MC Davis, AB Collins, and RS **McBride**. Molecular Ecology Resources **12**(4):779-781. DOI: [10.1111/j.1755-0998.2012.03155.x](https://doi.org/10.1111/j.1755-0998.2012.03155.x)

Duffy<sup>§</sup>, WJ, RS **McBride**, ML Hendricks and K Oliveira. 2012. Otolith age validation and growth estimation from oxytetracycline-marked and recaptured American shad. Transactions of the American Fisheries Society **141**: 1664-1671. DOI: [10.1080/00028487.2012.720631](https://doi.org/10.1080/00028487.2012.720631).

**McBride**, RS, DJG Snodgrass, DH Adams, SJ Rider and JA 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. DOI: [10.5343/bms.2011.1096](https://doi.org/10.5343/bms.2011.1096).

**McBride**, RS and RE Matheson. 2011. Florida's diadromous fishes: biology, ecology, conservation, and management. Florida Scientist **74**(3): 187–213. (<http://fas.fit.edu/florida-scientist/>).

Duffy<sup>§</sup>, WJ, RS **McBride**, SX Cadrin and K Oliveira. 2011. Is Cating's method of transverse groove counts to annuli applicable for all stocks of American shad? Transactions of the American Fisheries Society **140**(4): 1023-1034. DOI: [10.1080/00028487.2011.603985](https://doi.org/10.1080/00028487.2011.603985).

Collins, AB and RS **McBride**. 2011. Demographics by depth: Spatially explicit life-history dynamics of a protogynous reef fish. Fishery Bulletin, U. S. **109**: 232–242. ([fishbull.noaa.gov/1092/collins.pdf](http://fishbull.noaa.gov/1092/collins.pdf)).

**McBride**, RS, JE Harris, AR Hyle and JC Holder. 2010. The spawning run of blueback herring in the St. Johns River, Florida. Transactions of the American Fisheries Society **139**(2): 598-609. DOI: [10.1577/T09-068.1](https://doi.org/10.1577/T09-068.1).

**McBride**, RS, CR Roche, R Ruiz-Carus and BW 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**, RS, KJ Sulak, PE Thurman and AK Richardson. 2009. Age, growth, mortality and reproduction of rough tongue 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)).

Jenkins, KLM and RS **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. DOI: [10.1071/MF08211](https://doi.org/10.1071/MF08211).

Harris, JE and RS **McBride**. 2009. American shad feeding on spawning grounds in the St. Johns River, Florida. Transactions of the American Fisheries Society **138**: 888-898. DOI: [10.1577/T08-135.1](https://doi.org/10.1577/T08-135.1).

- McBride**, RS and JC 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. DOI: [10.1577/M07-066.1](https://doi.org/10.1577/M07-066.1).
- McBride**, RS, AK Richardson and KL 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. DOI: [10.1071/MF08021](https://doi.org/10.1071/MF08021).
- McBride**, RS, PE Thurman and LH 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/Portals/0/2008-2009/1-mcbride.pdf>)
- McBride**, RS and MR Johnson. 2007. Sexual development and reproductive seasonality of hogfish (Labridae: *Lachnolaimus maximus*), an hermaphroditic reef fish. Journal of Fish Biology **71**(5): 1270-1292. DOI: [10.1111/j.1095-8649.2007.01580.x](https://doi.org/10.1111/j.1095-8649.2007.01580.x).
- Harris, JE, RS **McBride** and RO Williams. 2007. Life history of hickory shad in the St. Johns River, Florida. Transactions of the American Fisheries Society **136**: 1463–1471. DOI: [10.1577/T06-187.1](https://doi.org/10.1577/T06-187.1).
- Trippel<sup>§</sup>, NA, MS Allen and RS **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. DOI: [10.1577/T06-232.1](https://doi.org/10.1577/T06-232.1).
- McBride**, RS and AK Richardson. 2007. Evidence of size-selective fishing mortality from an age and growth study of hogfish (Labridae: *Lachnolaimus maximus*), a hermaphroditic reef fish. Bulletin of Marine Science **80**(2): 401-417. (<http://www.ingentaconnect.com/content/umrsmas/bullmar/2007/00000080/00000002/art00009>)
- Bakenhaster<sup>§</sup>, Bakenhaster, MD, RS **McBride** and WW Price. 2006. Life history of *Glossobius hemiramphi* (Isopoda : Cymothoidae): Development, reproduction, and symbiosis with its host *Hemiramphus brasiliensis* (Pisces: Hemiramphidae). Journal of Crustacean Biology **26**(3): 283-294. DOI: [10.1651/C-2573.1](https://doi.org/10.1651/C-2573.1).
- Able, KW, MP Fahay, DA Witting, RS **McBride** and SM Hagan. 2006. Fish settlement in the ocean vs. estuary: Comparison of pelagic larval and settled juvenile composition and abundance from southern New Jersey, USA. Estuarine Coastal and Shelf Science **66**(1-2): 280-290. DOI: [10.1016/j.ecss.2005.09.003](https://doi.org/10.1016/j.ecss.2005.09.003).
- McBride**, RS, ML Hendricks and JE Olney. 2005. Testing the validity of Cating's (1953) method for age determination of American shad using scales. Fisheries **30**(10): 10-18. DOI: [10.1577/1548-8446\(2005\)30\[10:TTVOCM\]2.0.CO;2](https://doi.org/10.1577/1548-8446(2005)30[10:TTVOCM]2.0.CO;2).
- Patterson, HM, RG Taylor and RS **McBride**. 2005. Coastal origin of common snook, *Centropomus undecimalis*, in Florida Bay. Gulf and Caribbean Research **17**: 25-30. DOI: [10.18785/gcr.1701.03](https://doi.org/10.18785/gcr.1701.03).
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## PRESENTATIONS

Science presentations, professional meetings (1<sup>st</sup> author unless noted [Invited\*])

Liu, Yuan, Renee Mercaldo-Allen, Kendall Barbery, Paul Clark, Mark Dixon, Lena Donnarumma, Erick Estela, Peter Hudson, Judy Yaqin Li, Richard **McBride**, Lisa Milke, Tom Noji, Gillian Phillips, Steven Pitchford, Dylan Redman, Julie Rose, Bren Smith, Gary Wikfors. 2019. What we can learn from environmental DNA metabarcoding - two aquaculture examples. NACE (Northeast Aquaculture Conference & Exposition), Boston MA, January 9-11, 2019)

**McBride**, Richard S., Larry A. Alade, Daniel Ricard, and Joanne Morgan. 2018. Sexual size dimorphism in United States and Canadian populations of American plaice *Hippoglossoides platessoides*. 16th Flatfish Biology Conference. Westbrook CT, December 4-5. <https://www.nefsc.noaa.gov/publications/crd/crd1814/>

Liu, Y, RS **McBride**, R Mercaldo-Allen, JM Rose, GH Wikfors, L Milke and T Noji. 2018. Metabarcoding of Environmental DNA Distinguishes Finfish Communities at Two Adjacent Sites with Different Benthic Structure. Symposium on 'Application and Innovation in the use of Environmental DNA (eDNA) for use with Aquatic Species.' 148<sup>th</sup> Annual Meeting of the American Fisheries Society. Atlantic City, NJ. August 20-24. (Presented by McBride)

Wuenschel, MJ, GR Shepherd, K Oliveira, and RS **McBride**. 2018. Variation in size and age of maturity and sexual transition for black sea bass (Serranidae: *Centropristis striata*) in New England waters. Symposium on 'Latest Advances in Black Sea Bass (*Centropristis striata*) Research and Management.' 148<sup>th</sup> Annual Meeting of the American Fisheries Society. Atlantic City, NJ. August 20-24.

Fairchild, EA, SP Elzey, RS **McBride**, P Bentzen, and J Ford. 2018. Using industry knowledge to improve assessments of Atlantic wolffish, a data-poor species. Symposium on 'Bringing in the Experts: Collaborative Research Partnerships with Fishing Industry Stakeholders.' 148<sup>th</sup> Annual Meeting of the American Fisheries Society. Atlantic City, NJ. August 20-24.

\*Liu, Y and RS **McBride**. 2018. From Long Island Sound to Large-Scale Groundfish Surveys - Getting Ready for the Big Data. Invited presentation for a US—Norway Science Round Table: eDNA analyses – a tool for quantitative assessments of marine ecosystems. Marine Biological Laboratory, Woods Hole, MA. 1-2 May.

**McBride**, R. 2018. Designing an effective presentation. Symposium on 'Improving communication and collaboration in fisheries science,' 38<sup>th</sup> Annual Meeting of the Florida Chapter American Fisheries Society. Haines City, FL. April 11-13.

Collins, AB, RS **McBride**, LR Barbieri, and L Borden. 2018. Your fish was *how* big? Cooperative research collaborations begin with the conversation. Symposium on 'Improving communication and collaboration in fisheries science,' 38<sup>th</sup> Annual Meeting of the Florida Chapter American Fisheries Society. Haines City, FL. April 11-13.

**McBride**, R. 2018. When simple is not enough: The value of stratified-random sampling. Third, biennial meeting of MARVLS (Maturity Assessment, Reproductive Variability, and Life Strategies). NOAA Fisheries Southeast Fisheries Science Center, Panama City, FL. April 4-7.

**McBride, R.** 2018. Wolffish oogenesis and female maturity classes. Third, biennial meeting of MARVLS (Maturity Assessment, Reproductive Variability, and Life Strategies). NOAA Fisheries Southeast Fisheries Science Center, Panama City, FL. April 4-7.

**McBride, RS, MK Tweedie, and K Oliveira.** 2017. Black sea bass, *Centropristis striata*, spawning and first-year growth in New England: northward expansion of spawning and nursery grounds in a warming Gulf of Maine. Mid-Atlantic Chapter (American Fisheries Society) annual meeting. Dover, DE. October 26-27.

**McBride, RS, MK Tweedie, and K Oliveira.** 2017. Black sea bass, *Centropristis striata*, spawning and first-year growth in New England: northward expansion of spawning and nursery grounds in a warming Gulf of Maine. NOAA Fisheries in the Environmental (FATE) meeting, Woods Hole, MA, September 29, 2017.

**McBride, RS, MK Tweedie, and K Oliveira.** 2017. Black sea bass, *Centropristis striata*, spawning and first-year growth in New England: northward expansion of spawning and nursery grounds in a warming Gulf of Maine. Theme Session: "Patterns, sources, and consequences of intraspecific variation in responses of marine fauna to environmental stressors." ICES Annual Science Conference. 18–21 September 2017 Ft. Lauderdale, FL.

**McBride, RS, A Collins, J Dutka-Gianelli, D Herzog, Q Phelps, N Trippel, and A Von Harten.** 2017. A Framework for Cooperative Fisheries Research between scientists, stakeholders, and citizens. 2017. 147<sup>th</sup> Annual meeting, American Fisheries Society. August 21-22. Tampa, FL. **Introductory oral presentation for the symposium: "[Cooperative Fisheries Research: Lessons learned, continuing collaborations and future applications](#)" (same authors as organizers).**

**McBride, RS, R Ferreri, EK Towle, JM Boucher, G Basilone, D Stich, and T Sheehan.** 2017. Estimating American shad fecundity: assessing geographic and historic variation, as well as the effects of alternative methods, on producing an estimate for a quantitative population model. Connecticut River Atlantic Salmon Commission Research Forum. Hadley, MA. March 3.

**McBride, RS.** 2016. The how and why of size dimorphism in flatfishes: a review. 30<sup>th</sup> Annual Flatfish Biology Conference. Westbrook, CT. December 6-7. <http://nefsc.noaa.gov/publications/crd/crd1614/crd1614.pdf>

Wuenschel, MJ, WD McElroy, E Tholke, K Hyde, and RS **McBride.** 2016. Fecundity of winter flounder, *Pseudopleuronectes americanus*, in U.S. Waters: analysis of geographic, environmental, and physiological drivers <http://nefsc.noaa.gov/publications/crd/crd1614/crd1614.pdf>

**\*McBride, R.** 2016. Fish responses to climate variation along a capital-income breeding continuum. **Keynote speaker for a symposium on 'Climate Variability, Climate Change, and the Reproductive Ecology of Marine Populations.'** 25th PICES Science Conference in at a San Diego, CA. November 6-11, 2016. <http://meetings.pices.int/Publications/Presentations/PICES-2016/S4-McBride.pdf>

**McBride, R and G Fitzhugh.** 2016. Maturity Schedules: fitting data to models. A Tutorial in R and XLSTAT. Second, biennial meeting of MARVLS (Maturity Assessment, Reproductive Variability, and Life Strategies). NOAA Fisheries Southwest Fisheries Science Center, La Jolla, CA. November 3-5.

**McBride, R.** 2016. Wolffish gonad histology. Second, biennial meeting of MARVLS (Maturity Assessment, Reproductive Variability, and Life Strategies). NOAA Fisheries Southwest Fisheries Science Center, La Jolla, CA. November 3-5.

McDermott, S and R **McBride.** 2016. Species/Method/Results Syntheses: a consideration of purpose and format. Second, biennial meeting of MARVLS (Maturity Assessment, Reproductive Variability, and Life Strategies). NOAA Fisheries Southwest Fisheries Science Center, La Jolla, CA. November 3-5.

**McBride, RS, A Collins, D Herzog, Q Phelps, and N Trippel.** A Framework for Cooperative Research and Management. 2016. 146th Annual Meeting, American Fisheries Society. Kansas City, MO. August 16-20. **Introductory oral presentation for the symposium: "[Cooperative Fisheries Research in Marine and](#)**

[Freshwater Systems: From Policy to Practice](#)" (organized by the same authors).

Boucher, J, and R **McBride**. 2016. Impact of climate variability on the spawning migrations of American shad in the Connecticut River – a multidecadal view. 146th Annual Meeting, American Fisheries Society. Kansas City, MO. August 16-20.

Boucher, JM and RS **McBride**. 2016. Dynamics of the 2015 spawning migration of American shad (*Alosa sapidissima*) in the Connecticut River. Fish Passage 2016: International Conference on River Connectivity. University of Massachusetts Amherst (USA). June 20-22.

Boucher, JM, RS **McBride**, EK Towle. 2016. Re-estimation of potential annual fecundity in American Shad from the Connecticut River with the indeterminate fecundity method. Southern New England Chapter, American Fisheries Society Summer Meeting. June 16. Providence, RI.

Collins, A and R **McBride**. 2016. Here today, Hog tomorrow: An overview of hogfish research and management in Florida. Florida Chapter of the American Fisheries Society. 36th Annual Meeting. Ocala, FL. March 2-4. (Presented by A. Collins). **Best Professional Paper Award**.

**McBride**, RS, R Ferreri, EK Towle, and G 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**, RS, EK Towle, and J 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, JM and RS **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**, R. 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, American Fisheries Society. Portland, OR. August 16-20.

Johnson, AK, H Grier, RS **McBride**, E Lindsay, and RA Richards. 2015. Ovarian development and spawning seasonality of goosefish. 145<sup>th</sup> Annual Meeting of the American Fisheries Society. Portland, OR. August 16-20 (Presenter, McBride).

**McBride**, R, S Somarakis, GR Fitzhugh, A Albert, N Yaragina, MJ Wuenschel, A Alonso-Fernández, and G 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, S, B Smith, R **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, MJ, WD McElroy, EK Towle, and RS **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, MJ, WD McElroy, EK Towle, and RS **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, WD, MJ Wuenschel, EK Towle, and RS **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.

Hyle, AR and RS **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.

Hyle, AR, RS. **McBride**, and JE 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**, RS, TE Vidal, and SX 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, EK, RS **McBride**, AK 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, SJ Sutherland, and RS **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, WD, EK Towle, YK Press, MJ Wuenschel, and RS **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, MJ, WD McElroy, and RS **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**, RS, AB Collins, S Seyoum, and M 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, S, B Smith, S Stiles, C Brown, and R **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, WD, YK Rowinski, EK Towle, MJ Wuenschel, and RS **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.

**McBride**<sup>\*</sup>, RS, MJ Wuenschel, WD McElroy, and GR 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, MJ, RS **McBride**, GR 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, RS, DJG Snodgrass, DH Adams, SJ Rider, and JA 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, J, R Drew, R **McBride**, and K 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, R, M Wuenschel, and P 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, D, Y Rowinski, M Wuenschel, and R **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, Y, D McElroy, M Wuenschel, and R **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, M, D McElroy, and R **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, W, R **McBride**, M Hendricks, S Cadrin, and K 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 the symposium, "Restoration of American Shad and River Herring in Atlantic Coastal Waters."**

Wuenschel, MJ, S Sutherland, A Foley, R **McBride**, E Brooks, and K 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, RS, SJ Sutherland, LA Lombardi, and RJ 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, G, M Wuenschel, R **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, RS, SJ Sutherland, LA Lombardi, and RJ 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.

Duffy, W, R **McBride**, M Hendricks, K 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 G 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.

Friedland, K, J McCarthy, J Brodziak, R **McBride**, and C 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**, RS, JE Harris, AR Hyle, and JC 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, MJ, RS **McBride**, GM Thornton, and P 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, JC Holder, RS **McBride** and JE 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, KL, and RS **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**, RS, AK Richardson, and KL 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, AB and RS **McBride**. 2007. Hogfish Cooperative Research Project: Science with Spearfishers. American Fisheries Society. 137th Annual Meeting. San Francisco, CA. September 2-6.

**McBride**, RS, SJ Sutherland, JM Burnett, and NE 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**, RS. 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, AB and RS **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, SJ, L O'Brien, SE Pregracke, J Burnett, R **McBride**, and RK 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**, RS, MR Johnson, and LH 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**, RS, AK Richardson, and AB 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**, RS, MR Johnson, and LH 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**, RS, AK Richardson, and AB 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, HM, RS **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**, RS, 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**, RS. 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**, RS, JC Holder, and RO 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 JE, RS **McBride** and RO 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, NA, MS Allen, and RS **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, NA, MS Allen, and RS. **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**, RS, KL 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, JE, RS **McBride**, and RO 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**, RS. 2004. Biology and management of hogfish, *Lachnolaimus maximus*. Annual meeting of the American Fisheries Society. Madison, WI. August 22-26.

**McBride\***, RS, 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, HM, RS **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, GM, JC Holder, and RS **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, HM, RG Taylor, and RS **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, HM, RS **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**, RS, and KL 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, SM, LJ Jenkins, JC Holder, and RS **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**, RS, AZ 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**, RS, and MD 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**, RS, and MD 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**, RS, AZ 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, RS **McBride**, and WW 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, HM, RS **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, AZ and RS **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 maxiumus*, 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**, RS. 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, DO, 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, KW, MP Fahay, DA Witting, RS **McBride**, and LS 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**, RS, T MacDonald, RE 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**, RS, 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**, RS. 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**, RS. 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**, RS. 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**, RS, MP Fahay, and KW 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**, RS. 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**, RS. 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**, RS, MP Fahay, and KW 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**<sup>\*</sup>, RS. 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**, RS and KW 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**, RS, MP Fahay, and KW 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**, RS, KW Able, JB O'Gorman, and TR 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**<sup>\*</sup>, RS, 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**, RS, 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**, RS, 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**, RS and DO 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**, RS 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.

Science posters, professional meetings

Marshall, R, C McGuire, D Zemeckis, R **McBride**, and C Bank. 2017. Incidental catch of Atlantic halibut in Cape Cod commercial fisheries. Regional Association for Research on the Gulf of Maine (RARGOM). Portland, ME, October 12. (Poster)

**McBride**, RS and RE Matheson. 2017. Florida's diadromous fishes: biology, ecology, conservation, and management: Theme Session: "Population status, life histories, ecology, assessment, and management of diadromous fishes." ICES Annual Science Conference. 18–21 September 2017 Ft. Lauderdale, FL. (Poster)

**McBride**, R. 2017. Binomial model selection for estimating fish age and size at maturity: an application with different stocks of winter flounder (*Pseudopleuronectes americanus*). 147<sup>th</sup> Annual meeting, American Fisheries Society. August 21-22. Tampa, FL. (Poster)

Boucher, JM, and RS **McBride**. 2017. A reconsideration of testing within-gonad homogeneity of oocyte density as a precursor to estimating fecundity: what is the goal? 50<sup>th</sup> Annual meeting, Southern New England Chapter of the American Fisheries Society. Mystic CT. February 26. (Poster)

**McBride**, R. 2017. Binomial model selection for estimating fish age and size at maturity: an application with different stocks of winter flounder (*Pseudopleuronectes americanus*). 50<sup>th</sup> Annual meeting of the Southern New England Chapter of the American Fisheries Society. Mystic CT. February 26. (Poster)

**McBride**, RS, EK Tholke, and S Elzey. 2016. A preliminary re-evaluation of Atlantic halibut life history in the western Atlantic. 30<sup>th</sup> Annual Flatfish Biology Conference. Westbrook, CT. December 6-7. (Poster)  
<http://nefsc.noaa.gov/publications/crd/crd1614/crd1614.pdf>

**McBride**, R. 2016. Binomial model selection for estimating fish age and size at maturity: an application with different stocks of winter flounder (*Pseudopleuronectes americanus*). Second, biennial meeting of MARVLS (Maturity Assessment, Reproductive Variability, and Life Strategies). NOAA Fisheries Southwest Fisheries Science Center, LaJolla, CA. November 3-5. (Poster)

Collins, A, D O'Hern, and R **McBride**. 2016. Diving for Data, Fishing for Facts: Examples of cooperative research in the Gulf of Mexico. In the symposium: [Cooperative Fisheries Research in Marine and Freshwater Systems: From Policy to Practice](#). 146<sup>th</sup> Annual Meeting, American Fisheries Society. Kansas City, MO. August 16-20. (Poster)

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

Towle, EK, WD McElroy, and RS **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, EK, WD McElroy, and RS **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, MV, MJ Wuenschel, and R **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**, RS, MJ Wuenschel, WD McElroy, YK Press, and EK 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, EK, WD McElroy, YK Press, and RS **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, M, R **McBride**, M Wuenschel, P Nitschke, and M 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**, RS. 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, SJ Sutherland, and RS **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**, RS, S Somarakis, GR Fitzhugh, A Albert, NA Yaragina, MJ 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, EK, WD McElroy, and YK Press, and RS **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)

Lindsay, EK, RS **McBride**, AK Johnson, and CC Depass. Fecundity of goosefish in the northeast United States. (Originally submitted as: C. Depass, A.K. Johnson and R. McBride. Fecundity estimation of American goosefish (*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 RS **McBride**. 2011. A review of intra-annual multiple spawning in fish. 35th Annual Larval Fish Conference. 22-26 May 2011, Wilmington, NC. (Poster)

**McBride**, RS, S Somarakis, GR Fitzhugh, A Albert, NA Yaragina, MJ Wuenschel, A Alonso Fernández, G 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 RS **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 RS **McBride**. 2011. A histological appraisal of dolphinfish (*Coryphaena hippurus*) oogenesis, maturation, and spawning offshore of Florida. Reproductive Resilience Symposium, 19<sup>th</sup> Annual meeting, American Fisheries Society Southern Division. Tampa, FL. January 13-16. (Poster)

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

Arruda, A, K Oliveira, M Wuenschel, D McElroy, and R **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, J, R **McBride**, M Wuenschel, C Donovan, and K 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**, R, M Wuenschel, D McElroy, Y Rowinski, and J 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, Y, R **McBride**, M Wuenschel, and D McElroy. 2010. A histological atlas of female winter flounder (*Pseudopleuronectes americanus*) oogenesis. Twelfth Flatfish Biology Conference. Westbrook, CT. December 1-2. (Poster)

Smith, BE, J Dayton, D McElroy, E Towle, and R **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**, RS, DJG Snodgrass, DH Adams, SJ Rider, and JA 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, JS, BE Smith, D McElroy, RS 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, AB and RS **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, A, M Wuenschel, R **McBride**, S Sutherland, E Brooks and K 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**, RS, KL 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**, RS, KL 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**, RS, KL Maki, and AK 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**, RS, PE Thurman, and LH 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, RS, PE Thurman, and LH 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, RS, JM Funk, and AB 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, RS, JM Funk, and AB 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, RS, AK Richardson, KL Maki, and MD 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, RS, TC MacDonald, RE Matheson, DA Rydene, and PB 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, KL, RS 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, RS, JE Harris, and JC 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, RS and RE 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 RS 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, RS, 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, PE, G Dennis, K Sulak, and RS 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, PE and RS McBride.** 2002. Age and growth of rougthead 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, RS, 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. Petersburg, FL. May 3-5. (Poster).

Thurman, PE and RS **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**, RS, T MacDonald, RE 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, JE and RS **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 RS **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, RS. **McBride**, and WW 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, HM, RS **McBride**, RE 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, HM, RS **McBride**, RE 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, HM, RS **McBride**, and RE 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, RS, F Cross, and RO 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, RS and KW 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 presentations (1<sup>st</sup> author unless noted [Invited\*])

McBride, R., T. Ames, I. Andrushchenko, S. Cadrin, G. DeCelles, L. Kerr, M. Palmer, and D. Zemeckis. 2018. Exploring Atlantic cod life history for evidence of phenotypic stock structure. Atlantic Cod Stock Structure Working Group. Gulf of Maine Research Institute, Portland, ME. November 14.

**McBride, R.** 2018/accepted. **Three presentations:** 1) Designing an effective presentation, 2) Improve your scientific writing, and 3) Engage with scientific reviewing, as part of a full-day workshop titled "A life cycle of scientific communication: presenting, writing, reviewing, and using social media for a variety of audiences." 148<sup>th</sup> Annual Meeting of the American Fisheries Society. Atlantic City, NJ. August 19.

**McBride, R.** 2018. Engage with scientific reviewing. Woods Hole Laboratory Seminar Series, Northeast Fisheries Science Center, Woods Hole, MA. July 25.

**McBride, R.** 2018. Improve your scientific writing. Woods Hole Laboratory Seminar Series, Northeast Fisheries Science Center, Woods Hole, MA. July 18.

Boucher, JM, RS **McBride**, and E Robillard. 2018. Analysis of kept & discard ages from observer samples. Observer Seminar Day. Northeast Fisheries Observer Program. Falmouth, MA. February 28. (Speaker, McBride)

**McBride, RS.** 2018. Designing an Effective Presentation. NEFSC Fishery Sampling Branch seminar. Falmouth Tech Park, MA. February 14.

\***McBride, RS.** 2018. Can improving American shad natural history information still help manage these anadromous stocks? Schultz laboratory seminar, Departments of Ecology and Evolutionary Biology, University of Connecticut. January 26. Invited speaker.

\***McBride, RS.** 2018. Capital versus income breeding fish responses to climate variation. Joint EBB/NRE seminar (Departments of Ecology and Evolutionary Biology and Natural Resources and the Environment), University of Connecticut. January 25. Invited speaker.

**McBride, RS.** 2017. A speedy introduction to tests of symmetry. NEFSC Protected Species Branch speed talk seminar block, NEFSC Clark Conference Room, Woods Hole, MA. December 13.

\***McBride, RS.** 2017. Can improving American shad natural history information still help manage these anadromous stocks? Annual meeting of the *Virginia Alosa Task Force*, Virginia Beach, VA, December 6, 2017. Invited speaker.

**McBride, RS, NE Kohler, LJ Natanson, and CT McCandless.** 2017. Atlantic shark research & management: long-term data for long-lived fishes. NOAA Central Library Brown Bag Seminar Series, Silver Spring, MD. July 10.

**McBride, RS.** 2017. Capital versus income breeding fish responses to climate variation. University of Massachusetts, Department of Biology Seminar. Dartmouth, MA. April 7.

\***McBride, R.** 2017. **Two presentations** (Improve your scientific writing; Engage with scientific reviewing) as part of a half-day 'Scientific Communication Workshop.' 50<sup>th</sup> Annual meeting of the Southern New England Chapter of the American Fisheries Society. Mystic CT. February 26.

**McBride, R.** 2017. Engage with scientific reviewing. Woods Hole Laboratory Seminar Series, Northeast Fisheries Science Center, Woods Hole, MA. February 15.

**McBride, R.** 2017. Improve your scientific writing. Woods Hole Laboratory Seminar Series, Northeast Fisheries Science Center, Woods Hole, MA. February 8.

**McBride, R.** 2016. **Two presentations** (Designing an effective presentation, Writing for scientists) as part of a half-day accredited continuing education course on scientific communication. 146<sup>th</sup> Annual Meeting of the American Fisheries Society. Kansas City, MO. August 21.

\***McBride, R.** 2016. Designing an effective presentation. Workshop: Making a Connection – Guidelines for effective oral and written engagement. Greater Atlantic Regional Fisheries Office, Gloucester, MA. June 7.

**McBride, R.** 2016. A re-evaluation of yolked oocyte development and estimates of American shad annual fecundity in the Connecticut River, USA. Istituto Ambiente Marino Costiero (Italian Institute for Coastal Marine Environment). Torretta Granitola, Italy. April 18.

**McBride, R.** 2016. The Capital-Income Breeding Continuum. Istituto Ambiente Marino Costiero (Italian Institute for Coastal Marine Environment). Torretta Granitola, Italy. April 13.

\***McBride, R.** 2016. **Presented two presentations** about “*Presenting science to science professionals*” (Designing an effective presentation, Writing for scientists) are part of a full-day workshop: “*Communicating Scientific Information to Diverse Audiences.*” Hosted by the Southern New England Chapter of the American Fisheries Society and the New England District of the American Institute of Fishery Research Biologists. New Bedford, MA. March 30.

**McBride, R.** 2016. Writing for scientists. Woods Hole Laboratory Seminar. Northeast Fisheries Science Center. March 23.

**McBride, R.** 2016. Designing an effective presentation. Woods Hole Laboratory Seminar. Northeast Fisheries Science Center. March 16.

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

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

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

Boucher, JM and RS **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, R.** 2015. The Capital-Income Breeding Continuum. Woods Hole Oceanographic Institution. Woods Hole, MA. October 1.

\***McBride, R.** 2015. The Capital-Income Breeding Continuum. University of Maine. Orono, ME. September 21.

\***McBride, R.** 2015. The Capital-Income Breeding Continuum. Delaware State University. Dover, DE. September 16.

\***McBride, R.** 2015. Using tests of symmetry for QA/QC of fish ages. Massachusetts Division of Marine Fisheries. Gloucester, MA. July 29.

**McBride, RS.** 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. **Keynote address for the MARVLS (Maturity Assessment, Reproductive Variability and Life Strategy) workshop.** Alaska Fisheries Science Center, Seattle, WA, November 6-7.

**McBride, R.** 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, D, E Towle, Y Press, M Wuenschel, and R **McBride.** 2012. Ongoing yellowtail flounder life history research at NEFSC. Transboundary Assessment Review Committee. June 27; Woods Hole, MA.

**McBride, RS and GR 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.

**McBride, R, M Wuenschel, D McElroy, Y Rowinski, G Thornton, and P 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.

McElroy, WD, YK Rowinski, EK Towle, RS **McBride,** and MJ 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, M, E Brooks, K Friedland, S Sutherland, R **McBride,** and A 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, RS.** 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, RS, SJ Sutherland, and J 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, RS, MJ Wuenschel, GM Thornton, and P 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. S Mast Department of Fisheries Oceanography Seminar. Fairhaven, MA. December 11.

**McBride\*, RS.** 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, SJ, L O'Brien, SE Pregracke, J Burnett, R **McBride**, and RK 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**, RS. 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**, RS. 2007. Presentation to Dr. N. Thompson regarding the NEFSC's Population Biology Branch. Tech Park, Falmouth, MA. July 12.

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

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

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

**McBride**, RS, JE Harris, and JC 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**, RS and RE 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 RS **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**, RS. 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\***, RS, MR Johnson, LH Bullock, and PE Thurman. 2005. Sexual development of a protogynous hermaphrodite, hogfish (Labriade: *Lachnolaimus maximum*), with an emphasis on identifying first-year males. Gonadal Histology Workshop. Florida Fish & Wildlife Conservation Commission. St. Petersburg, FL. July 12-13.

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

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

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

**McBride\***, RS. 2004. The biology and management of hogfish (*Lachnolaimus maximus*): 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\***, RS. 2004. Management of Hogfish, *Lachnolaimus maximus*, 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**, RS, and MD 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\***, RS, and MD 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\***, RS. 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\***, RS., and MD 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\***, RS. 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**, RS, T MacDonald, RE 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 & 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\***, RS. 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\***, RS. 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\***, RS. 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\***, RS. 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\***, RS. 1995. Florida's halfbeak (*Hemiramphus* spp.) bait fishery. Florida Marine Fisheries Commission. Islamorada, FL. December 5.
- McBride\***, RS. 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\***, RS. 1995. The early life history and population dynamics of bluefish, *Pomatomus saltatrix*. Marine Science Seminar. Eckerd College. St. Petersburg, FL. September 6.
- McBride\***, RS. 1994. Population effects of larval dispersal: a view from the estuary. Sigma Xi of Eckerd College. St. Petersburg, FL. November 16.
- McBride**, RS. 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**, RS. 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**, RS. 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**\*, RS. 1994. Bluefish ecology and life history along the U.S. east coast. Laboratory Seminar. Florida Marine Research Institute. St. Petersburg, FL. May 4.

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

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

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

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

**McBride**, RS. 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-April.

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

#### 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)

2015, Operational updates: wolfish maturity (Adams)

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)

## **RESEARCH GRANTS and CONTRACTS**

### As a NOAA Fisheries Scientist (~\$2.5M)

2018-2019 NOAA Groundfish in a Changing Climate Funds (\$70,000; co-PI)  
 2018-2020 DFO (Canada) International Governance Strategy Fund (\$201,000; co-PI)  
 2017-2018 NOAA Information Technology Incubator Program (\$99,800, co-PI)  
 2017-2018 NOAA Saltonstall-Kennedy (\$269,616, Collaborator)  
 2017-2018 NOAA Saltonstall-Kennedy (\$194,507, Collaborator)  
 2016 NOAA Fisheries - International Fellowship (\$10,330, PI)  
 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)

## **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, Marine Fisheries Section)  
 AFS Chapters (southern New England, mid-Atlantic, Florida)  
 Central Gulf Coast Archaeological Society, life member

### American Fisheries Society

Associate Editor, *Transactions of American Fisheries Society* (2005-2010)  
Early Life History Section, Secretary/Secretary-elect (2001-2004); Student Travel Grant Committee, Chair (1998-2001); Southern Division Representative (1999-2001); Awards Committee (1999, 2002)  
Florida Chapter, President-elect (2004), President (2005), Past-President (2006); Awards Committee (1997, 1999-2001, 2003-2006, 2008, 2018); Rottmann Scholarship Committee (2003-2005); Membership Committee (1996-2001); Time and Place Committee (2004); Student Affairs Committee for the Parent Society Meeting – Tampa, FL (1995)  
Marine Fisheries Section, Northeastern Division Representative (2016-2018)  
Mid-Atlantic Chapter EXCOM, Student Representative (1992-1993)  
National Organization, Membership Committee (1994-5); John E. Skinner Travel Award Committee (2018); Best student paper award (2018)  
Southern Division, 4<sup>th</sup> Annual Fisheries Student Colloquium, Panel member: “Careers for fishery students” (2004); EXCOM (Florida Chapter President) (2006)  
Southern New England Chapter, Awards Committee (2018)

### American Institute of Fishery Research Biologists

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

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

Collaborator on species pages (2013)

### 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 Union for Conservation of Nature

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

### Journal reviewer (> 150 reviews for the following journals:)

*American Fisheries Society Symposium Series*  
*Animal Reproduction Science*  
*Arctic, Antarctic, and Alpine Research*  
*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*  
*Copeia*  
*CHECK LIST – J. of Species Lists and Distribution*  
*Ecological Applications*  
*Ecology and Evolution*  
*Endangered Species Research*  
*Environmental Biology of Fishes*  
*Estuaries*  
*Estuarine, Coastal and Shelf Science*  
*FACETS*  
*Fish and Fisheries*  
*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 Applied Animal Research*  
*Journal of Coastal Research*  
*Journal of Fish Biology*  
*Journal of Marine Systems*  
*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*  
*New Zealand J. of Marine and Freshwater Research*  
*NOAA Professional Papers Series*  
*North American Journal of Fisheries Management*  
*Physiological and Biochemical Zoology*

*PLOS One*  
*Progress in Oceanography*  
*Reproductive Biology*  
*Revista de Biología Tropical*  
*Revista de Investigación y Desarrollo Pesquero*  
*Reviews in Fish Biology and Fisheries*  
*River Research and Applications*

*Scientia Marina*  
*Scientific World Journal*  
*Thalassas: An International J. of Marine Sciences*  
*Transactions of the American Fisheries Society*  
*Transactions, American Philosophical Society*  
*Zootaxa*

#### Editorial

*Fishery Bulletin*, Editorial Board (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 – RESTORE Act Science Program (**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, symposia, and workshops (organizer)

2018 Workshop co-organizer, [Scientific Communications Continuing Education Course](#), AFS, Atlantic City, NJ  
2018 Steering Committee member: Cod Population Structure and New England Fisheries Symposium, UNH  
2018 Program Chair, [3<sup>rd</sup> National MARVLS Workshop, SEFSC](#), Panama City, FL  
2017 Symp co-organizer, [O: Responses of marine fauna to environmental stressors...](#), ICES, Ft. Lauderdale, FL  
2017 Symposium co-organizer, [Cooperative Fisheries Research: Lessons learned...](#), AFS, Tampa, FL  
2016 Workshop co-organizer: [2<sup>nd</sup> National MARVLS Workshop](#), SWFSC, La Jolla, CA  
2016 Workshop co-organizer, [Scientific Communications Continuing Education Course](#), AFS, Kansas City, MO  
2016 Symp co-organizer, [Cooperative Fisheries Research in Marine and Freshwater Systems](#), AFS, Kansas City, MO  
2016 Workshop co-org, Communicating Science to Diverse Audiences, AFS/AIFRB, New Bedford, MA  
2015 Symposium co-organizer, Gutshop 2015: [New Perspectives on Feeding Ecology of Fishes](#), AFS, Portland, OR  
2014 Workshop co-organizer: [1<sup>st</sup> National MARVLS Workshop](#), 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 Symp 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, TEACHING & MENTORING EXPERIENCE**

### National Marine Fisheries Service

Participated in a 180° review (NEFSC, July, 2017)

Participated in a 360° review (Center for Creative Leadership, April-May, 2016)

*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 (2015-2016), Josh Dayton (2009-2010), Victoria Klima (2012-2013), Dave McElroy (2009-2018), Yvonna Press (Rowinski; 2009-2013), Emilee Towle/Tholke (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)

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

College of William and Mary, Gloucester Point, VA, Courtesy Faculty, Dept. of Fisheries Science, 2014-current

Delaware State University, Courtesy Faculty, Department of Agriculture and Natural Resources, 2011-2016

Eckerd College, St. Petersburg, FL, Instructor, Spring, 2002

Florida Atlantic University, Davie, Courtesy Faculty, Department of Biological Sciences, 2004-2008

University of Florida, Gainesville, Courtesy Faculty, Department of Fisheries and Aquatic Sciences, 2004-2008

University of Connecticut, Storrs, CT, Courtesy Faculty, Dept. of Ecology and Evolutionary Biology, 2016-current

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

University of Massachusetts, Amherst, Courtesy Faculty, Department of Wildlife Management, 2007-2009

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

University of New Hampshire, Courtesy Faculty, Department of Natural Sciences, 2011-2012

University of South Florida, Tampa, Courtesy Faculty, Department of Biology, 2007-2014

University of South Florida, Tampa, Courtesy Faculty, College of Marine Science, 2001-2004

University of West Florida, Pensacola, Courtesy Faculty, Department of Biology, 2005-2007

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*

André Price	Univ. Maryland, Eastern Shore	planned for August-November, 2018
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 Lindsay	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 (~)

Jacob Kasper	University of Connecticut	Ph.D., Ecology & Evolution	~2019
André Price	University of Maryland, E. Shore	M. S., Fisheries	~2019
Benjamin J. Marcek	College of William & Mary	Ph.D., Fisheries Science	2018
Justin Wilson	University of Maryland, E. Shore	M. S., Fisheries	2017
S. Gray Redding	University of Maryland	M. S., Marine, Estuarine, and Env. Sci.	2017
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
Evan Lindsay	University of Maryland, E. Shore	M. S., Quant. Fisher. Resour. Econom.	2013
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 Lounder	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 (February or March, 2014-2018)  
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)

**AGENCY SERVICE (2006-current)**

National Marine Fisheries Service

NEFSC Committee on Scientific Standing and Promotion, Member, (2013-2016; Chair [2016])  
*Fishery Bulletin*, Editorial Committee (2008-current)  
Woods Hole Laboratory seminar committee, Member (2007-current); Chair (2009-2018)

Working groups

*Atlantic Cod Stock Structure Working Group*, co-Chair (2017- current)

*International Council for the Exploration of the Sea*

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

*Maturity Assessment, Reproductive Variability and Life Strategies*, Steering Committee Chair  
(MARVLS, 2014-current, Program Chair for MARVLS workshops 2014, 2016, 2018)

*New England Fishery Management Council Research Steering Committee*, NEFSC Representative, 2016-current

*Northwest Atlantic Fisheries Organization*, Member, Working Group on Reproductive Potential, 2007-2012.

## **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 or NEFSC Supervisor Training (2011, 2014, 2017, 2018)  
Government Ethics Training (every three years since 2006)  
Roadmap to success: Hiring, retaining, and including people with disabilities (2016, 2018)  
Veteran Employment Training for Federal Hiring Managers (2016, 2018)  
Uniformed Services Employment and Reemployment Rights Act (2011, 2016, 2018)

### Other training

2018 Alan Alda Communicating Science Workshop (Marine Biological Laboratory, April 26)  
2018 Predatory publishing and evaluating journals, NOAA Central Library, Webinar (March 20)  
2017 Science Writing for the Public (Marine Biological Laboratory, November 10-11)  
2017 Government and Contractor Interaction, (Commerce Learning Center, CLC)  
2017 Intermediate Bayesian Inference Using Gibbs Sampling (AFS continuing education)  
2017 Data-limited stock assessment methods (Woods Hole, MA)  
2017 Scientific Communication Workshop: writing, reviewing, & proposals (AFS-SNEC/NED)  
2017 Facilitation Basics for NOAA Facilitator Network, Office of Coastal Management (4/25/2017)  
2017 Performance plans, appraisal, and feedback, progress reviews, (Commerce Learning Center, CLC)  
2017 Whistleblower Protection - What Every Employee Should Know, (Commerce Learning Center, CLC)  
2017 Merit System Principles and Prohibited Personnel Practices (NOAA Supervisor Series, CLC, 3/22/2017)  
2017 Records Management 101 (Commerce Learning Center, CLC)  
2016 Ensuring Accurate and Complete Time and Attendance Recording (CLC, 10/21/2016)  
2016 Change the story, change the world, A. Goodman, (<http://www.science-policy-exchange.org/changethestory>)  
2016 Intro to Bayesian Inference using Gibbs Sampling (AFS continuing education)  
2016 Communicating Science: Fundamentals of Public Engagement (AAAS)  
2016 Communications & Engagement workshop (NMFS-GARFO)  
2016 Data Storytelling with R, Commerce Data Academy (Webinar)  
2016 Communicating Scientific Information to Diverse Audiences (AFS-SNEC/AIFRB)  
2016 Model Thinking (Coursea)  
  
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 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 SEQUEL (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 (e.g., Boating World, Boston Globe, Cape Cod Times, Florida Sportsman, Marlin Magazine, NEFSC Science Spotlights, New York Times Science, Orlando Sentinel, Spearfishing Magazine)
  
- 2018 Radio interview for KBBI, Homer Alaska

Scientific experience at sea

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

R/V Albatross IV	2 cruises (24 days)	R/V Kyma	1 cruise (4 days)
R/V ARGO Maine	5 cruises (5 days)	R/V Onrust	1 cruise (1 day)
R/V Bonnie 'E'	6 cruises (6 days)	R/V Sharp	1 cruise (5 days)
R/V Caleta	23 cruises (28 days)	R/V Tommy Munro	6 cruises (42 days)
R/V Delaware II	2 cruises (16 days)	R/V USM4	2 cruises (2 days)
R/V Gloria Michelle	3 cruises (5 days)	R/V Walton Smith	1 cruise (2 days)
R/V Hermes	2 cruises (2 days)	FSV Henry B. Bigelow	3 cruises (27 days)

F/V Amy-Diane	1 cruise (1 day)	F/V Grumpy	7 cruises (7 days)
F/V Ballyhoo Blues II	1 cruise (1 day)	F/V Let-er-go	2 cruises (2 days)
F/V D.O.A.	2 cruises (2 days)	F/V Miss Virginia	4 cruises (4 days)
F/V Donna Lynn	8 cruises (8 days)	F/V Praise The Lord	2 cruises (2 days)
F/V ESS Pursuit	1 cruise (4 days)	F/V Red Chip	3 cruises (3 days)
F/V Jackpot	5 cruises (7 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)