

J. WILSON WHITE

Assistant Professor
Dept. Fisheries and Wildlife
Coastal Oregon Marine Experiment Station
Hatfield Marine Science Center
Oregon State University

will.white@oregonstate.edu

EDUCATION

- 2007 Ph.D. Ecology, Evolution, & Marine Biology
University of California, Santa Barbara
- 2000 B.S. Biology (with honors); *magna cum laude*
Davidson College, Davidson, NC.

PROFESSIONAL EXPERIENCE

- 2017- Assistant Professor
Dept. Fisheries and Wildlife, Coastal Oregon Marine Experiment Station
Oregon State University
- 2016-2017 Associate Professor
Dept. Biology & Marine Biology, University of North Carolina Wilmington
- 2010-2016 Assistant Professor
Dept. Biology & Marine Biology, University of North Carolina Wilmington
- 2007-2010 Postdoctoral scholar
Dept. Wildlife, Fish, & Conservation Biology and Bodega Marine
Laboratory, University of California, Davis
- 2007 Graduate Research Assistant
Partnership for Interdisciplinary Study of Coastal Oceans & Marine
Science Institute, University of California, Santa Barbara
- 2001-2006 Graduate Research Assistant & Teaching Assistant
Dept. Ecology, Evolution, & Marine Biology, University of California, Santa
Barbara
- 2000-2001 Teaching Assistant
Duke University Talent Identification Program.
- 2000 Research Assistant

Univ. California, Davis. Santa Rita Experimental Range, Tucson, AZ

1998-2000 Research Assistant
Dept. Biology, Davidson College, Davidson, NC

GRANTS AND PROFESSIONAL AWARDS

- 2017 National Science Foundation – Biological Oceanography. Collaborative Research: Quantifying the influence of nonconsumptive predator effects on prey population dynamics. (with co-PI D. Kimbro) (OSU portion: \$299,591)
- 2014 U.S. Environmental Protection Agency – Science to Achieve Results (STAR). Linking biological scales across generations: an estuarine and marine model for measuring the ecological impact of endocrine disrupting compounds. (with lead PI S. Brander and co-PIs A. Mehinto, R. Connon) (\$399,971)
- 2014 National Science Foundation – Biological Oceanography. Collaborative Research: RUI: Effects of size-selective mortality on sex-changing fishes. (with co-PIs M. Steele, S. Hamilton, M. Adreani) (UNCW portion: \$210,326)
- 2014 Florida Department of Environmental Protection. Florida’s imperiled Apalachicola oysters: paired experimentation, monitoring, and modeling to understand collapse of oyster reefs and to promote recovery. (with co-PIs D. Kimbro and C. Stallings) (UNCW portion: \$109,753)
- 2013 UNCW eTEAL Pedagogy Initiative. Collaborative learning of population models for conservation biology. (\$3500)
- 2013 NC Sea Grant. Population connectivity of southern flounder in the U.S. South Atlantic. (with co-PI F. Scharf) (\$97,955)
- 2013 Florida Sea Grant. Installation of an oyster-reef monitoring framework throughout Apalachicola Bay, FL, to understand declining oyster landings and alternative management strategies. (with co-PI D. Kimbro) (\$10,000)
- 2012 NC Division of Marine Fisheries. An acoustic tagging study to evaluate migration dynamics and within-estuary habitat use of southern flounder (*Paralichthys lethostigma*) in North Carolina. (with co-PIs F. Scharf, C. Collier, and C. Batsavage) (\$227,989)
- 2011 NC Sea Grant. Spatial approaches to managing ontogenetically migrating fishes. (\$27,000)
- 2011 UNCW Center for Marine Science Pilot Grant. Scaling up endocrine disruption effects in the Lower Cape Fear: from individual behavior to population dynamics. (with co-PI S. Brander) (\$34,978)
- 2010 UNCW Cahill Research Award (\$2880)
- 2009 California SeaGrant. Adaptive management of marine protected areas: predicting responses to MPA implementation for comparison to monitoring data (with PIs L. Botsford, M. Baskett, and A. Hastings) (\$197,000)
- 2008 Resources Legacy Fund Foundation. Population modeling support for the California Marine Life Protection Act Initiative (with PI L. Botsford) (\$65,000)
- 2006 UCSB Affiliates Dissertation Fellowship (\$5000)
- 2006 UCSB Dept. of EEMB Ellen Schamberg-Burley Travel Grant (\$425)

- 2004 USCB Graduate Division Travel Grant (\$1300)
2002 Worster Foundation Grant for Undergraduate Mentoring (\$5000)
2000 National Science Foundation Graduate Research Fellowship

PUBLICATIONS (60 TOTAL)

* Graduate student, ** Undergraduate student

2018 Pusack TJ, White JW, Garland HG, Kimbro DL, Stallings CD (2018) Size-dependent predation and intraspecific inhibition of an estuarine snail feeding on oysters. *Journal of Experimental Marine Biology and Ecology* 501: 74-82

2017 Kimbro DL, White JW, Tillotson H, Cox N, Christopher M, Stokes-Cawley O, Yuan S, Pusack TJ, Stallings CD (2017) Local and regional stressors interact to drive a salinization-induced outbreak of predators on Florida oyster reefs. *Ecosphere* 8: e01992

*Hanmer J, White JW, Pawlik JR (2017) Application of diet theory reveals context-dependent foraging preferences in an herbivorous coral reef fish. *Oecologia* 184: 127-137

White JW, Cole BJ, Cherr GN, Connon RE, Brander SM (2017) Scaling up endocrine disruption effects from individuals from populations: outcomes depend on how many males a population needs. *Environmental Science and Technology* 51: 1802-1810

Kimbro DL, Grabowski JH, Hughes AR, Piehler MF, White JW (2017) Nonconsumptive effects of a predator weaken then rebound over time. *Ecology* 98: 656-667

2016 White JW, Nickols KJ, Malone D, Carr MH, Starr RM, Cordoleani F, Baskett ML, Hastings A, Botsford LW (2016) Fitting state-space integral projection models to size-structured time series data to estimate unknown parameters. *Ecological Applications* 26: 2675-2692

*Hameed SO, White JW, Nickols KJ, Miller SH, Morgan SG (2016) Coupled larval production and settlement reveals limited population connectivity along 700 km of wave-swept open coast. *Proceedings of the Royal Society (B)* 283: 20160370

*Dingeldein AL, White JW (2016) Larval traits carry over to affect post-settlement behaviour in a common coral reef fish. *Journal of Animal Ecology* 85: 903-914

Brander SM, Jeffries KM, Cole BJ, *DeCourten BM, White JW, Hasenbein S, Fangué NA, Connon RE (2016) Transcriptomic changes correspond with altered egg protein production and reduced fecundity in an estuarine model fish species exposed to bifenthrin. *Aquatic Toxicology* 174: 247-260

*Easter EE, White JW (2016) Spatial management for protogynous sex-changing fishes: a general framework for coastal systems. *Marine Ecology Progress Series* 543: 223-249

**McCarthy EK, White JW (2016) Density-dependent prey mortality is determined by the spatial scale of predator foraging. *Oecologia* 180: 305-311

2015 *Heintz MM, Brander SM, White JW (2015) Endocrine disrupting compounds alter risk-taking behavior in fish (*Poecelia reticulata*). *Ethology* 121: 480-491

White JW (2015) Marine reserve design theory for species with ontogenetic migration. *Biology Letters* 11: 20140511

Nickols KJ, White JW, Gaylord B, Largier JL (2015) Marine population connectivity: reconciling large-scale dispersal and high self-retention. *American Naturalist* 185: 196-211

2014 White JW, Morgan SG, Fisher JL (2014) Planktonic larval mortality rates are lower than widely expected. *Ecology* 95: 3344-3353

White JW, **Schroeger J, Drake PT, Edwards CA (2014) The value of larval connectivity information in the static optimization of marine reserve design. *Conservation Letters* 7: 533-544

Wang HY, Botsford LW, White JW, Fogarty MJ, Juanes F, Hastings A, Holland MD, Brander K (2014) The influence of temperature on life histories sets the sensitivity of Atlantic cod, *Gadus morhua*, to fishing. *Marine Ecology Progress Series* 514: 217-229

**Birk MA, White JW (2014) Experimental determination of the spatial scale of a prey patch from the predator's perspective. *Oecologia* 174: 723-729

White JW, Rassweiler A, Samhoury JF, Stier AC, White C. (2014) Ecologists should not use statistical significance tests to interpret simulation model results. *Oikos* 123: 385-389

Burgess SC, Nickols KJ, Griesemer CD, Barnett LAK, Dedrick AG, Satterthwaite EV, Yamane L, Morgan SG, White JW, Botsford LW (2014) Beyond connectivity: how empirical methods can quantify population persistence to improve marine protected area design. *Ecological Applications* 24: 257-270

Stier AC⁼, White JW⁼ (2014) Predator density and the functional response of coral reef fish. *Coral Reefs* 33: 235-240 ^{=These authors contributed equally}

- White JW, Botsford LW, Hastings A, Holland MD (2014) Stochastic models reveal conditions for cyclic dominance in sockeye salmon populations. *Ecological Monographs* 84: 69-90
- 2013 Brander SM, Connon RE, He G, Hobbs JA, Smalling KL, Teh SJ, White JW, Werner I, Denison MS, Cherr GN (2013) From 'omics to otoliths: responses of an estuarine fish to endocrine disrupting compounds across biological scales. *PLOS ONE* 8: e74521
- *Midway SR, White JW, Roumillat W, Batsavage C, Scharf FS (2013) Improving macroscopic maturity determination in a pre-spawning flatfish through predictive modeling and whole mount methods. *Fisheries Research* 147: 359-369
- Moffitt EA, White JW, Botsford LW (2013) Accurate assessment of marine protected area success depends on metric and spatiotemporal scale of monitoring. *Marine Ecology Progress Series* 489: 17-28
- White JW, Botsford LW, Hastings A, Baskett ML, Kaplan DM, Barnett LAK (2013) Transient responses of fished populations to marine reserve establishment. *Conservation Letters* 6: 180-191
- Miller SH, Morgan SG, White JW, Green PG (2013) Can trace element signatures in larval soft tissues reveal dispersal and population connectivity? *Marine Ecology Progress Series* 481: 1-10
- Sorte CJB, White JW (2013) Competitive and demographic leverage points of community shifts under climate change. *Proceedings of the Royal Society (B)* 280: 20130572
- Bucaram SJ, White JW, Sanchirico JN, Wilen JE (2013) Behavior of the Galapagos fishing fleet and its consequences for the design of spatial management alternatives for the red spiny lobster fishery. *Ocean and Coastal Management* 78: 88-100
- White JW, Scholz AJ, Rassweiler A, Steinback C, Botsford LW, Kruse S, Costello C, Mitarai S, Siegel D, Drake PT, Edwards CA (2013) A comparison of approaches used for economic analysis in marine protected area network planning in California. *Ocean and Coastal Management* 73: 77-89
- Miller SH, Morgan SG, White JW, Green PG (2013) Interannual variability in an atlas of trace element signatures for determining population connectivity. *Marine Ecology Progress Series* 474: 179-190
- 2011 Hunsicker ME, Ciannelli L, Bailey KM, Buckel JA, White JW, Link JS, Essington TE, Anderson TW, Brodeur RD, Chan KS, Chen K, Englund G, Frank KT, Frietas V, Gaichas S, Hixon MA, Hurst T, Johnson DW, Kitchell JF, Reese D, Rose GA, Sjodin H, Sydeman WJ, van der Veer H, Vollset K, Zador S (2011)

Functional responses and scaling in marine predator-prey interactions: contemporary issues and emerging concepts. *Ecology Letters* 14:1288-1299

Fischer DT[∞], White JW[∞], Botsford LW, Largier JL, Kaplan DM (2011) A GIS-based tool for representing larval dispersal for marine reserve selection. *The Professional Geographer* 63: 489-513 [∞]these authors contributed equally

Standish JD, White JW, Warner RR (2011) Spatial pattern of natal signatures in the otoliths of juvenile kelp rockfish, *Sebastes atrovirens*, along the California coast. *Marine Ecology Progress Series* 437: 279-290

White JW, Botsford LW, Baskett ML, Barnett LAK, Barr RJ, Hastings A (2011) Linking models and monitoring data for assessing performance of no-take marine reserves. *Frontiers in Ecology and the Environment* 9: 390-399

White JW (2011) Can inverse density dependence at small spatial scales produce dynamic instability in animal populations? *Theoretical Ecology* 4: 357-370

White JW, Samhuri JF (2011) Oceanographic coupling across multiple trophic levels shapes source-sink dynamics in marine metacommunities. *Oikos* 120: 1151-1164

Botsford LW, Holland MD, Samhuri JF, White JW, Hastings A (2011) Importance of age structure in models of the response of upper trophic levels to fishing and climate change. *ICES Journal of Marine Science* 68: 1270-1283

Morgan SG, White JW, McAfee ST, Gaines SD, Schmitt RJ (2011) Weak synchrony in the timing of larval release in upwelling regimes. *Marine Ecology Progress Series* 425: 103-112

Moffitt EA, White JW, Botsford LW (2011) The utility and limitations of size and spacing guidelines for designing marine protected area networks. *Biological Conservation* 144: 306-318

2010 White JW, Rogers-Bennett L (2010) Incorporating physical oceanographic proxies of recruitment into population models to improve fishery and marine protected area management. *CalCOFI Reports* 51: 128-149

White JW, Nickols KJ, Clarke L, Largier JL (2010) Population effects of larval entrainment in cooling water intakes: spatially explicit models reveal shortcomings of traditional assessments. *Canadian Journal of Fisheries and Aquatic Sciences* 67: 2014-2031

White JW, Botsford LW, Moffitt EA, Fischer DT (2010) Decision analysis for designing marine protected areas for multiple species with uncertain fishery status. *Ecological Applications* 20: 1523-1541

- White JW, Samhuri JF, Stier AC, Wormald CL, Hamilton SL, Sandin SA (2010) Synthesizing mechanisms of density dependence in reef fishes: behavior, habitat configuration, and observational scale. *Ecology* 91: 1949-1961
- White JW (2010) Adapting the steepness parameter from stock-recruit curves for use in spatially explicit models. *Fisheries Research* 102: 330-334
- White JW, Botsford LW, Hastings A, Largier JL (2010) Population persistence in marine reserve networks: incorporating spatial heterogeneities in larval dispersal. *Marine Ecology Progress Series* 398: 49-67
- 2009 Brander SM, Werner I, White JW, Deavonic LA (2009) Toxicity of a dissolved pyrethroid mixture to *Hyallolella azteca* at environmentally relevant concentrations. *Environmental Toxicology and Chemistry* 28: 1493-1499
- Botsford LW, White JW, Coffroth MA, Paris C, Planes S, Shearer TL, Thorrold SR, Jones GP (2009) Connectivity and resilience of coral reef metapopulations in MPAs: matching empirical efforts to predictive needs. *Coral Reefs* 28: 327-337
- 2008 White JW, Standish JD, Thorrold SR, Warner RR (2008) Markov chain – Monte Carlo methods for assigning larvae to natal sites using natural geochemical tags. *Ecological Applications* 18: 1901-1913
- White JW, Caselle JE (2008) Scale-dependent changes in the importance of larval supply and habitat to abundance of a reef fish. *Ecology* 89: 1323-1333
- White JW (2008) Spatially coupled larval supply of marine predators and their prey alters the predictions of metapopulation models. *American Naturalist* 171: E179-E194
- 2007 White JW, Warner RR (2007) Safety in numbers and the spatial scaling of density-dependent mortality in a coral reef fish. *Ecology* 88: 3044-3054
- White JW, Warner RR (2007) Behavioral and energetic consequences of group membership in a coral reef fish. *Oecologia* 154: 423-433
- White JW (2007) Spatially correlated recruitment of a marine predator and its prey shapes the large-scale pattern of prey mortality *Ecology Letters* 10: 1054-1065
- White JW, CJ Grigsby, Warner RR (2007) Cleaning behavior is riskier and less profitable than an alternative strategy for a facultative cleaner fish. *Coral Reefs* 26: 87-94

White JW, Ruttenberg BI (2007) Discriminant function analysis in marine ecology: some common oversights and their solutions. *Marine Ecology Progress Series* 329: 301-305

2006 Munday PL, White JW, Warner RR (2006) A social basis for the development of primary males in sex-changing fish. *Proceedings of the Royal Society (B)* 273: 2845-2851

Hamilton SL, White JW, Caselle JE, Swearer SE, Warner RR (2006) Consistent long-term spatial gradients of replenishment for an island population of a coral reef fish. *Marine Ecology Progress Series* 306: 247-256

2003 Rudgers JA, Hodgen JG, White JW (2003) Behavioral mechanisms underlie an ant-plant mutualism. *Oecologia* 135: 51-59

BOOK CHAPTERS

2014 Botsford LW, White JW, Carr MH, Caselle JE (2014) Marine protected areas in California, USA. In: *Advances in Marine Biology: Marine Managed Areas and Fisheries*, vol. 69. (Johnson ML and Sandell J, eds.). Elsevier, Oxford, UK. pp. 203-249

SUBMITTED/IN REVIEW

Garavelli L, White JW, Chollet I, Box SJ, Chérubin LM. Identifying relevant spatial scales for management to ensure the persistence of a highly exploited species. In review, *Conservation Letters*

Booth HS, Pusack TJ, White JW, Stallings CD, Kimbro DL. Experimental evidence that oyster populations persist during predatory snail outbreaks because of intraspecific predator inhibition, not a prey size refuge. In review, *Marine Ecology Progress Series*

Midway SR, White JW, Scharf FS. The potential for cryptic population structure to sustain a heavily exploited marine flatfish stock. In revision, *Marine and Coastal Fisheries*

Pusack TJ, Kimbro DL, White JW, Stallings CD. Predation on oysters is inhibited by intense or chronically mild low salinity events. In revision, *Limnology and Oceanography*

Wang VH, White JW, Arnott SA, Scharf FS. Population connectivity of southern flounder in the U.S. South Atlantic revealed by otolith chemical analysis. In revision, *Marine Ecology Progress Series*

Hanley TC, Stallings CD, White JW, Kimbro DL. Parasite prevalence, but not intensity, predicts host condition across environmental gradients on oyster reefs. In review, *Marine Ecology Progress Series*

Nickols KJ, White JW, Malone D, Carr MH, Starr RM, Baskett ML, Hastings A, Botsford LW. Setting expectations for adaptive management of marine protected areas. Submitted, *Proceedings of the National Academy of Sciences*

OTHER PUBLICATIONS

2017 White JW, Nickols KJ, Botsford LW (2017) Response to O'Leary et al.: Misuse of models leads to misguided conservation recommendations. *Conservation Letters* 10: 269-270

2015 White JW (2015) Book review: Secor, D.H., *Migration Ecology of Marine Fishes*. *Reviews in Fishery Science and Aquaculture*. 24: 111-112

2014 Bucaram SJ, White JW, Sanchirico JN, Wilen JE (2014) Improving fisheries knowledge does not diminish prior efforts: a reply to Castrejón and Charles. *Ocean and Coastal Management* 89:12

2010 Rogers-Bennett L, White JW (2010) Symposium of the CalCOFI conference, 2009: Forecasting fishery productivity in the California Current. *CalCOFI Reports* 51:75-76.

INVITED PRESENTATIONS

2016 International Coral Reef Symposium, Honolulu, HI

2016 Hatfield Marine Science Center, Oregon State University, Newport, OR

2015 Panel on Monitoring Marine Protected Area Networks, Western Society of Naturalists annual meeting, Sacramento, CA

2015 School of Marine Science and Policy, Univ. of Delaware, Lewes, DE

2014 School of Forest Resources and Conservation, Univ. of Florida, Gainesville, FL

2014 Dept. of Biology, University of North Carolina, Chapel Hill, NC

2012 Presidential Symposium, Western Society of Naturalists annual meeting, Seaside, CA

2012 Moss Landing Marine Laboratories, Moss Landing, CA

2012 Ecology & Evolution Seminar Series, Rutgers University. New Brunswick, NJ

2012 Institute of Marine Science, University of North Carolina. Morehead City, NC

2011 Dept. Biological Sciences, University of Toronto Scarborough. Toronto, ON, Canada

2011 North Carolina State University Center for Marine Sciences and Technology. Morehead City, NC

2011 NOAA Center for Coastal Fisheries and Habitat Research. Beaufort, NC

- 2010 Dept. of Biological Science, Florida State University, Elise B. Newell Seminar Series. Tallahassee, FL
- 2010 Coastal & Marine Laboratory, Florida State University, Elise B. Newell Seminar Series. St. Theresa, FL
- 2009 California Cooperative Oceanographic Fisheries Investigations (CalCOFI) Symposium. Asilomar, CA
- 2009 California Marine Life Protection Act Initiative. Oxnard, CA; Carlsbad, CA.
- 2009 Dept. of Biology and Marine Biology, University of North Carolina Wilmington. Wilmington, NC.
- 2008 Center for Population Biology, UC Davis. Davis, CA.
- 2008 California Marine Life Protection Act Initiative.. El Segundo, CA.
- 2008 Science and Technical Advisory Committee, Oregon Ocean Policy Advisory Council (OPAC). Charleston, OR.
- 2008 Program for Interdisciplinary Mathematics, Ecology, and Statistics (PRIMES), Colorado State University. Bodega Bay, CA.
- 2007 Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO) Scientific Symposium. Corvallis, OR.
- 2007 Bodega Marine Laboratory, UC Davis. John & Mary Louise Riley Seminar Series. Bodega Bay, CA.

CONTRIBUTED PRESENTATIONS

(only presentations with JWW as lead author/presenter are listed)

- 2017 Benthic Ecology Meeting, Myrtle Beach, SC
- 2016 Western Society of Naturalists annual meeting, Monterey, CA
- 2015 Western Society of Naturalists annual meeting, Sacramento, CA
- 2015 100th Ecological Society of America annual meeting, Baltimore, MD
- 2015 Benthic Ecology Meeting, Quebec City, Canada
- 2014 99th Ecological Society of America annual meeting, Sacramento, CA
- 2014 Society of Environmental Toxicology and Chemistry (Europe), Basel, Switzerland
- 2014 Benthic Ecology Meeting, Jacksonville, FL
- 2013 Benthic Ecology Meeting, Savannah, GA
- 2013 State of the California Central Coast Symposium, Monterey, CA
- 2012 97th Ecological Society of America annual meeting, Portland, OR
- 2012 Benthic Ecology Meeting, Norfolk, VA
- 2011 96th Ecological Society of America annual meeting, Austin, TX
- 2011 35th Larval Ecology Conference, Wilmington, NC
- 2011 Benthic Ecology Meeting, Mobile, AL
- 2010 Benthic Ecology Meeting, Wilmington, NC
- 2009 Western Society of Naturalists annual meeting, Seaside, CA
- 2009 Eastern Pacific Ocean Conference, Victoria, BC, Canada
- 2008 Western Society of Naturalists annual meeting, Vancouver, BC, Canada
- 2008 Eastern Pacific Ocean Conference, Fallen Leaf Lake, CA
- 2008 11th International Coral Reef Symposium, Ft. Lauderdale, FL
- 2007 Western Society of Naturalists annual meeting, Ventura, CA
- 2007 92nd Ecological Society of America annual meeting, San Jose, CA
- 2006 Western Society of Naturalists annual meeting, Redmond, WA

- 2006 7th International Temperate Reef Symposium, Santa Barbara, CA
- 2006 Benthic Ecology Meeting, Quebec City, QC, Canada
- 2005 Western Society of Naturalists annual meeting, Seaside, CA
- 2004 Western Society of Naturalists annual meeting, Rohnert Park, CA
- 2004 10th International Coral Reef Symposium, Okinawa, Japan
- 2003 Western Society of Naturalists annual meeting, Long Beach, CA

PUBLIC SEMINARS

- 2014 Cape Fear Flyfishers, Southport, NC
- 2013 Osher Lifetime Learning Institute, Univ. North Carolina Wilmington
- 2012 College Day, Univ. North Carolina Wilmington

PROFESSIONAL SERVICE

Associate Editor: *Journal of Experimental Marine Biology and Ecology* (2017-present)

Guest Subject Editor: *Ecological Applications* (4 times)

Journal Referee: *American Naturalist, Aquatic Conservation, Biological Conservation, CalCOFI Reports, Canadian Journal of Fisheries and Aquatic Sciences, Conservation Biology, Conservation Letters, Coral Reefs, Current Biology, Ecological Applications, Ecological Modelling, Ecological Monographs, Ecology, Ecology and Evolution, Ecology Letters, Ecosphere, Environmental Science & Policy, Environmetrics, Ethology, Fisheries Research, Functional Ecology, ICES Journal of Marine Science, Journal of Animal Ecology, Journal of Experimental Marine Biology and Ecology, Journal of Fish Biology, Journal of Marine Systems, Journal of the Marine Biological Association of the UK, Journal of Plankton Research, Journal of Theoretical Biology, Limnology & Oceanography, Marine and Coastal Fisheries, Marine Ecology Progress Series, Marine Environmental Research, Methods in Ecology and Evolution, Nature Communications, Nature Climate Change, Oecologia, PeerJ, PLoS One, Proceedings of the 10th International Coral Reef Symposium, Proceedings of the Royal Society B, Royal Society Open Science, Theoretical Ecology*

Grant Reviewer: California Sea Grant, EPA Barnegat Bay Program, NSF Comparative Analysis of Marine Ecosystem Organization program (2), New Jersey Sea Grant, NSF OCE, International Marine Conservation Congress, Agence Nationale de la Recherche – Programme la 6^{ème} Extinction, NMFS MARFIN program

Ad hoc Reviews: NMFS Endangered Species Act status review, NMFS California Current Integrated Ecosystem Assessment review

- Panelist: NOAA Aquarius Reef Base grant program
NSF BIO-OCE
- Organizer: CalCOFI Symposium, "Forecasting fishery productivity in the California Current"
- Expert Panels: Science Advisory Team. California Marine Life Protection Act Initiative, North Coast Study Region (2009-2011)
Region 3 Strategic Habitat Area Advisory Committee. NC Division of Marine Fisheries (2013-2014)
Roundtable member. MPAs and fisheries science forum. Canadian Parks & Wilderness Society and British Columbia Commercial Fishing Caucus (2015)
South Atlantic Climate Variability and Fisheries writing team for the Fishery Ecosystem Plan II (2015-2016)
- Expert Witness: Florida v. Georgia (2014) 135 Supreme Court 471
- University: Departmental Undergraduate Assessment Coordinator (2013-2016)
UNCW Institutional Animal Care and Use Committee (2013-2016)
UNCW Center for Marine Science Internal Advisory Committee (2012-2014)
UNCW Center for Marine Science Faculty Advisory Committee (2014-2015)

TEACHING EXPERIENCE

COURSES TAUGHT

- UNCW: Ecology, BIO 366, 3 credits
Marine Biology, BIO 362, 4 credits
Behavioral Ecology, BIO 368, 3 credits
Special topics seminar, BIO 495, 1 credit
- UC Davis: Statistical Models in Ecology using R, ECL 290, 1 credit (graduate)

GRADUATE STUDENTS (PRIMARY SUPERVISOR)

- | | | |
|---------------------|-----------------|------|
| Alicia Cheripka | (current M.S.) | UNCW |
| Christian Commander | (current Ph.D.) | UNCW |
| Caitlin Phelps | (M.S., 2017) | UNCW |
| Erin Easter | (M.S., 2014) | UNCW |
| Andrea Dingeldein | (M.S., 2014) | UNCW |
| Melissa Heintz | (M.S., 2013) | UNCW |

GRADUATE STUDENTS (COMMITTEE MEMBER)

- | | | |
|-------------------|-----------------|------|
| Verena Wang | (current Ph.D.) | UNCW |
| Lisa Hollensead | (current Ph.D.) | UNCW |
| Bethany DeCourten | (current Ph.D.) | UNCW |

Trevor Scheffel	(M.S., 2017)	UNCW
Lindsey Deignan	(Ph.D., 2017)	UNCW
Claire Lack	(M.S., 2017)	UNCW
Kathryn Bell	(M.S., 2017)	UNCW
Andrew Goff	(M.S., 2016)	UNCW
Steven McMurray	(Ph.D., 2015)	UNCW
Marc Hanke	(Ph.D., 2014)	UNCW
John Hanmer	(M.S., 2014)	UNCW
Leigh Anne Harden	(Ph.D., 2013)	UNCW
Zachary Siders	(M.S., 2013)	UNCW
Matthew McCarthy	(M.S., 2013)	UNCW
Stephen Midway	(Ph.D., 2013)	UNCW
Santiago Bucaram	(Ph.D., 2012)	UC Davis
Andrew Miller	(M.S., 2011)	UNCW
Dana Friend	(M.S., 2011)	UNCW

UNDERGRADUATE STUDENTS (PRIMARY SUPERVISOR)

Katie Hoffman	(Honors, 2017)	UNCW
Ashley Hann	(Honors, 2017)	UNCW
Irene Fobe	(Honors, 2015)	UNCW
Erin Lester	(Honors, 2015)	UNCW
James Andrews	(Honors, 2015)	UNCW
Hannah Sipe	(Honors, 2014)	UNCW
Emma Bogdan	(Honors, 2014)	UNCW
Erin McCarthy	(Honors, 2014)	UNCW
Kaela Vogel	(Honors, 2014)	UNCW
Amanda Jefferson	(Honors, 2013)	UNCW
Matthew Birk	(Honors, 2013)	UNCW
Julianna Schroeger	(Honors, 2013)	UNCW
Whitney Wilson	(Honors, 2012)	UNCW

ACADEMIC ADVISORS

Dr. Robert Warner, Ph.D. Advisor
 University of California, Santa Barbara (emeritus)
 robert.warner@lifesci.ucsb.edu

Dr. Louis Botsford, Postdoc Advisor
 University of California, Davis
 lwbotsford@ucdavis.edu