J. WILSON WHITE

Associate Professor
Dept. Fisheries, Wildlife, and Conservation Sciences
Coastal Oregon Marine Experiment Station
Hatfield Marine Science Center
Oregon State University

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EDUCATION

2007 Ph.D. Ecology, Evolution, & Marine Biology
University of California, Santa Barbara, CA

2000 B.S. Biology (with honors); *magna cum laude*
Davidson College, Davidson, NC

PROFESSIONAL EXPERIENCE

2021- Associate Professor
2017-2021 Assistant Professor
Dept. Fisheries, Wildlife, and Conservation Sciences
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

2001-2007 Graduate Research Assistant & Teaching Assistant
Dept. Ecology, Evolution, & Marine Biology & Marine Science Institute
University of California, Santa Barbara

AWARDS AND HONORS

2024 R.M. Wade Award for Excellence in Teaching. OSU College of Agricultural Sciences
2024 Registry of Distinguished Teachers. OSU College of Agricultural Sciences

GRANTS AND CONTRACTS

2025 Oregon Department of Fish and Wildlife. Understanding Oregon Marine Reserves resilience to climate change and species interactions through population dynamics modeling. (lead PI) $35,280. 1/1/2025-6/30/2025

2024 Gaulke Center for Innovation, Oregon State University. Machine-assisted learning of remotely-sensed kelp-forest population dynamics. (PI with co-PIs M. Novak, J. Watson) $50,000. 7/1/2024-6/30/2025

2024 National Science Foundation. CAREER: Source-sink dynamics in a restored oyster metapopulation. (Associate Investigator, lead PI M. Castorani) $1,555,826, OSU portion $25,095. 7/1/2024-6/30/2029

2023 Oregon Ocean Science Trust. Trophic modeling of Oregon's nearshore reefs. (PI with co-PIs M. Novak, L. Rasmuson) $150,000. 3/1/23-2/28/25

2023 California Ocean Protection Council. Climate resilience and California's MPA network: management options and opportunities. (PI with co-PIs K. Kroeker, J. Caselle, M. Carr, P. Raimondi, J. Fiechter, C. Edwards) $595,536. 5/1/2023-4/30/2025

2022 David and Lucile Packard Foundation. Discovering how to manage MPAs for climate resilience. (PI with co-PIs K. Kroeker, J. Caselle) $405,000. 1/1/2023-12/31/2024

2021 California State University COAST. Understanding production and attraction on artificial reefs to improve the science of mitigation. (co-PI with PIs Nichols and Steele) $45,056. 8/1/2022-6/30/2025

2021 David and Lucile Packard Foundation. PISCO: Climate resilience and evaluation of MPA networks. (PI with co-PIs K. Kroeker, F. Chan, J. Caselle, S. Palumbi, T. Hill) $299,545. 12/1/2021-5/30/2023

2021 Oregon Community Foundation. Interdisciplinary assessment of Oregon's Marine Reserves Program. (PI with co-PI Kelly Biedenweg) $129,999. 8/1/2021-3/31/2023

2021 South Atlantic Environmental Research Institute. Climate change resilience in Falkland Islands Fisheries and Marine Ecosystems. (co-PI with PI Paul Brickle and co-PI Michael Harte) £316,882. 7/1/2021-12/31/2023

2020 Oregon Department of Fisheries and Wildlife. Biometrics and Fisheries Analyst Postdoc (PI, non-competitive contract). $88,304. 2/1/2020-4/30/2021

2020 Oregon State Foundation/Eder Family Fund. Estimating natural mortality of sub-legal male Dungeness crab on the Oregon Coast. (PI with co-PIs S. Henkel and F. Chan) $49,913. 3/1/2020-2/28/2021

2019 California Ocean Protection Council. An integrated demographic-connectivity population model for evaluating California's network of MPAs. (co-PI with M. Carr and P. Raimondi) OSU portion $88,838. 12/1/2019-11/30/2021

2019 David and Lucile Packard Foundation. Partnership for Interdisciplinary Study of Coastal Oceans (PISCO). (co-PI with many others) $2,000,000. 1/1/2019-12/31/2021

2019 Oregon State University Research Equipment Reserve Fund (RERF). A micro-FTIR (Fourier-transform infrared spectroscopy) for the support of

transdisciplinary microplastics research. (co-PI with PI S. Brander and co-PI L. Torres). $48,300. 6/3/2019

2019 U.S. Environmental Protection Agency – Science to Achieve Results (STAR). Reducing the reliance on early-life stage testing with relevance to euryhaline fishes: Development and implementation of *in-vitro* assays predictive of early life stage toxicity and population-level effects. (co-PI, with PI S. Brander and co-PIs K. Armbrust and P. Chappell). $849,988. 6/1/2019-5/31/2022

2019 National Science Foundation. Collaborative research: Mating systems as mechanisms for the resilience of species in which the environment determines whether they become male or female. (with PI M. Fuentes and co-PI L. Komoroske). OSU portion $182,993. 7/1/2019-6/30/2023

2019 National Science Foundation. Collaborative research: RAPID: Quantifying mechanisms by which Hurricane Michael facilitates a stable-state reversal on oyster reefs, (with PI D. Kimbro and co-PI C. Stallings). OSU portion $12,952. 3/1/2019–2/28/2020

2018 California Ocean Protection Council. Improving management under the Marine Life Management Act (MLMA) by accounting for effects of Marine Life Protection Act (MLPA) Marine Protected Areas (MPAs) on fisheries. (with PI L. Botsford and co-PI A. Hastings) OSU portion: $39,259. 12/1/2018–11/30/2020

2018 National Oceanic and Atmospheric Administration – Coastal Hypoxia Research Program. Linking exposure, impacts, and adaptation: Advancing fishery response to hypoxia intensification in the Pacific Northwest. (with PI F. Chan and co-PIs J. A. Barth and K. R. Shearman) $1,088,000. 9/2018–8/2022

2018 National Estuarine Research Reserve System – Science Collaborative. Stakeholder-driven modeling investigation of factors affecting oyster population sustainability. (PI, with co-PI D. Kimbro) $157,308.

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 Sea Grant. 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.
2002 Worster Foundation Grant for Undergraduate Mentoring. $5000.
2000 National Science Foundation Graduate Research Fellowship

PUBLICATIONS

BOOKS

2019 Botsford LW, White JW, Hastings A. (2019) *Population dynamics for conservation*. Oxford University Press, Oxford, UK

PEER-REVIEWED ARTICLES (112 TOTAL, >5700 CITATIONS, H-INDEX = 39)

†Postdoc/Research Associate, * Graduate student, ** Undergraduate student

2025 *Commander CJ, †Storch LS, **Kyles L, Stallings CD, Kimbro DL, White JW. 2025. Climate-driven increases in estuarine salinity variability harm oysters but also their predators, offsetting predicted effects on population dynamics. *Journal of Animal Ecology*, in press

†Cullen JA, *Santos AJB, White JW, Komoroske LM, Stahelin G, Fuentes MMPB. 2025. Method selection and temporal scale greatly influence ecological inferences on estimated animal behavior states. *Animal Biotelemetry* 13: 39

*Quennessen V, Fuentes M, Komoroske L, White JW. 2025. Power analyses to inform clutch sampling to determine the breeding sex ratio in populations with multiple paternity. *PeerJ* 13: e20165

†Hopf JK, Giraldo A, Caselle JE, Kroeker K, Carr MH, Botsford LW, Hastings A, White JW. 2025. Short-term management of kelp systems for marine heatwaves requires planning. *Conservation Letters* 18: e13130

*Campbell MC, Samhouri JF, White JW. 2025. Modeling consequences of spatial closures for offshore energy: loss of fishing grounds and fishery-independent data. *Ecosphere* 16:e70336

†Yamane L, †Kaplan KA, White JW, Caselle JE, Malone D, Carr MH, Baskett ML, Hastings A, Botsford LW. 2025. Quantifying local fishing mortality rates to inform how and where to monitor marine protected areas. *Theoretical Ecology* 18: 22
Special Collection: Recent Developments in Understanding Marine Reserves

Chen, R, Hopf JK, White JW. 2025. Management of fished populations inside marine protected areas: perspectives from equilbrium versus transient dynamics. *Theoretical Ecology* 18: 20
Special Collection: Recent Developments in Understanding Marine Reserves

Midway SR, White JW. 2025. Testing for normality in regression models: mistakes abound (but may not matter). *Royal Society Open Science* 12: 241904

White JW, Hopf JK, Kilduff DP, Hastings A, Botsford LW. 2025. The roles of population dynamic theory in the design and assessment of marine reserves. *Theoretical Ecology* 18: 15
Special Collection: Recent Developments in Understanding Marine Reserves

*Cheripka AM, Borrett SR, White JW. 2025. Managing range-shifting, competing species in marine reserve networks: the importance of reserve configuration and transient dynamics in age-structured populations.*Theoretical Ecology* 18: 4
Special Collection: Recent Developments in Understanding Marine Reserves

White JW, Hopf JK, Arafeh-Dalmau N, Ban NC, Bates AE, Claudet J, Lopazanski C, Sunday JM, Caselle JE. 2025. Measurements, mechanisms, and management recommendations for how marine protected areas can provide climate resilience. *Marine Policy* 171: 106419

2024 White JW, Kilduff DP, Hastings A, Botsford LW. 2024. Marine reserves can buffer against environmental fluctuations for overexploited but not sustainably harvested fisheries. *Ecological Applications* 34: e3403

Hopf JK, *Quennessen V, **Ridgway J, †Barceló C, †Prior Caltabellotta F, Farnsworth Hayroyan S, **Garcia D, *McLeod M, Lester S, Nickols KJ, †Yeager M, White JW. 2024. Ecological success of no-take marine protected areas: using population dynamics theory to inform a global meta-analysis. *Ecological Applications* 34: e3027

†Storch LL, Kimbro DL, Dix N, Marcum P, Garwood J, Stallings CD, White JW. 2024. Stark differences in spatial gradients of Eastern oyster (*Crassostrea virginica*) productivity in two Florida, USA, estuaries. *Estuarine, Coastal, and Shelf Science* 297: 108602

2023 †Hopf JK, White JW. 2023. Extreme events delay the detection of marine protected area effects: implications for monitoring and management. *Biological Conservation* 285: 110250

Free CM, Anderson SC, Hellmers EA, Muhling BA, Navarro MO, Richerson K, Rogers LA, Satterthwaite WH, Thompson AR, Burt JM, Gaines SD, Marshall KN, White JW, Bellquist LF. 2023. Impact of the 2014-2016 marine heatwave on U.S. and Canada West Coast fisheries: surprises and lessons from key case studies. *Fish and Fisheries* 24: 652-674

*Quennessen VI, Babcock EA, White JW. 2023. Accounting for transient dynamics could improve use of marine protected areas as a reference point for fisheries management. *Canadian Journal of Fisheries and Aquatic Sciences* 80: 85-104

†van der Grient J, Morley S, Arkhipkin A, Bates J, Baylis A, Brewin P, Harte M, White JW, Brickle P. 2023. The Falkland Islands marine ecosystem: a review of the seasonal dynamics and trophic interactions across the food web. *Advances in Marine Biology* 94: 1-68

2022 White JW, †Barceló C, Hastings A, Botsford LW. 2022. Pulse disturbances in age-structured population: life history predicts initial impact and recovery time. *Journal of Animal Ecology* 91: 2370-2383

Brander SM, White JW, DeCourten BM, Major K, Hutton SJ, Connon RE, Mehinto A. 2022. Accounting for transgenerational effects of toxicant exposure in population models alters predicted long-term population status. *Environmental Epigenetics* 8: dvac023

Kimbro DL, White JW, Breef-Pilz A, Peckham N, Noble A, Chaney C. 2022. Evidence for local adaptation of oysters to a within-estuary gradient in predation pressure weakens with ontogeny. *Journal of Experimental Marine Biology and Ecology* 555:151784

†Hopf JK, Caselle JE, White JW. 2022. No-take marine protected areas enhance the benefits of kelp forest restoration for fish but not fisheries. *Ecology Letters*. 25: 1665-1675

†Hopf JK, Caselle JE, White JW. 2022. Recruitment variability and sampling design interact to influence the detectability of protected area effects. *Ecological Applications* 32: e2511

2021 *Hutton SJ, *St. Romain SJ, Pedersen EI, †Siddiqui S, Chappell PE, White JW, Armbrust KL, Brander SM. 2021. Salinity alters toxicity of commonly used pesticides in a model euryhaline fish species (*Menidia beryllina*). *Toxics* 9: 114

†Dedrick AG, Catalano KA, Stuart MA, White JW, Montes, Jr H, Pinsky M. 2021. Persistence of a reef fish metapopulation via network connectivity: theory and data. *Ecology Letters* 24: 1121-1132

†Barceló C, White JW, Botsford LW, Hastings A. 2021. Predicting the time scale of initial increase in fishery yield after implementation of marine protected areas. *ICES Journal of Marine Science* 78: 1860-1871

White JW, **Yamane MT, Nickols KJ, Caselle JE. 2021. Analysis of fish population size distributions confirms cessation of harvest in marine protected areas. *Conservation Letters* 14: e12775

†Perkins NR, Prall M, Chakraborty A, White JW, Baskett ML, Morgan SJ. 2021. How to quantify the statistical power of monitoring programs for adaptive management of marine protected areas. *Ecological Applications* 31: e2215

2020 *DeCourten BM, *Forbes JP, **Roark HK, **Burns NP, †Major KM, White JW, Li J, Mehinto AC, Connon RE, Brander SM. 2020. Multigenerational and transgenerational effects of environmentally relevant concentrations of endocrine disruptors in an estuarine model fish species. *Environmental Science and Technology* 54: 13849-13860

Kimbro DL, Stallings CD, White JW. 2020. Diminishing returns in habitat restoration by adding biogenic materials: a test using estuarine oysters and recycled oyster shell. *Restoration Ecology* 28: 1633-1642

Dundas SJ, Levine AS, Lewison RL, Samhouri JF, White C, Galloway AWE, Hazen EL, Spalding A, Stier AC, Doerr A, Garza C, Hill T, Padilla-Gamino J, White JW. 2020. Integrating oceans into climate policy: any Green New Deal needs a splash of Blue. *Conservation Letters* 13:e12716

Kimbro DL, Tillotson HG, White JW. 2020. Environmental forcing and the consumptive effects of predation outweigh the nonconsumptive effects of multiple predators on estuarine oysters. *Ecology* 101:e03041

**Bogdan EE, *Dingeldein AL, **Bertrand DL, White JW. 2020. Risk-sensitive foraging does not explain condition-dependent choices in settling reef-fish larvae. *PeerJ* 8:e8333

*Easter EE, Adreani MS, Hamilton SL, Steele MS, *Pang S, White JW. 2020. Influence of protogynous sex change on recovery of fish populations within marine protected areas. *Ecological Applications* 30:e02070

*Commander CJC, White JW. 2020. Not all disturbances are created equal: disturbance magnitude affects predator-prey populations more than disturbance frequency. *Oikos* 129:1-12

2019 Kroeker KJ, Carr MH, Raimondi PT, Caselle JE, Washburn L, Palumbi SR, Barth JA, Chan F, Menge BA, Milligan K, Novak M, White JW. 2019. Planning for change: assessing the potential role of marine protected areas and fisheries management for managing resilience in a changing ocean. *Oceanography* 32:116-125

Lubchenco J, Menge BA, Barth JA, Carr MH, Caselle JE, Chan F, Fulton-Bennett HK, Gaines SD, Kroeker KJ, Milligan K, Palumbi SR, White JW. 2019. Connecting PISCO science to policy makers, managers, and citizens. *Oceanography* 32:106-115

Carr MH, White JW, Saarman EM, Lubchenco J, Milligan K, Caselle JE. 2019. Marine Protected Areas exemplify the evolution of science and policy. *Oceanography* 32:94-103

Menge BA, Caselle JE, Barth JA, Blanchette CA, Carr MH, Chan F, Gouhier TC, Gravem S, Lubchenco J, McManus MA, Milligan K, Novak M, Raimondi PT, Washburn L, White JW. 2019. Community responses to climate-related variability and disease: the critical importance of long-term research. *Oceanography* 32:72-81

White JW, Carr MH, Caselle JE, Palumbi SR, Warner RR, Menge BA, Blanchette CA, Milligan K. 2019. Sidebar: empirical approaches to measure connectivity. *Oceanography* 32:60-61

White JW, Carr MH, Caselle JE, Washburn L, Woodson CB, Palumbi SR, Carlson P, Warner RR, Menge BA, Barth JA, Blanchette CA, Raimondi PT, Milligan K. 2019. Connectivity, dispersal, and recruitment: connecting benthic communities and the coastal ocean. *Oceanography* 32:50-59

Menge BA, Caselle JE, Milligan K, Gravem SA, Gouhier TC, White JW, Barth JA, Blanchette CA, Carr MH, Chan F, Lubchenco J, McManus MA, Novak M, Raimondi PT, Washburn L. 2019. Integrating coastal ocean and benthic ecological approaches for understanding large-scale meta-ecosystem dynamics. 2019. *Oceanography* 32:38-49

Menge BA, Milligan K, Caselle JE, Barth J, Blanchette C, Carr M, Chan F, Cowen R, Denny M, Gaines SD, Hofmann G, Kroeker K, Lubchenco J, McManus M, Novak M, Palumbi S, Raimondi P, Somero G, Warner RR, Washburn L, White JW. 2019. PISCO: Advances made through the formation of a large-scale, long-term consortium for integrated understanding of coastal ecosystem dynamics. *Oceanography* 32:16-25

Nickols KJ, White JW, Malone D, Carr MH, Starr RM, Baskett ML, Hastings A, Botsford LW. 2019. Setting expectations for adaptive management of marine protected areas. *Journal of Applied Ecology* 56: 2376-2385

†Kaplan KA, †Yamane L, Botsford LW, Baskett ML, Hastings A, Worden S, White JW. 2019. Setting expected timelines of fished population recovery for the adaptive management of a marine protected area network. *Ecological Applications* 29: e01949

Kimbro DL[=], White JW[=], Grosholz ED. 2019. The dynamics of open populations: integration of top-down, bottom-up, and supply-side influences on intertidal oysters. *Oikos* 128: 584-595 [=]these authors contributed equally

†Hanley TC, Stallings CD, White JW, Kimbro DL. 2019. Environmental gradients shape the combined effects of multiple parasites on oyster hosts in the northern Gulf of Mexico. *Marine Ecology Progress Series* 612: 111-125

†Pusack TJ, Kimbro DL, White JW, Stallings CD. 2019. Predation on oysters is inhibited by intense or chronically mild low salinity events. *Limnology and Oceanography* 64: 81-92

2018 *Booth HS, †Pusack TJ, White JW, Stallings CD, Kimbro DL. 2018. Experimental evidence that oyster populations persist during predatory snail outbreaks because of intraspecific predator inhibition, not a prey size refuge. *Marine Ecology Progress Series* 602: 155-167

†Garavelli L, White JW, Chollet I, Box SJ, Chérubin LM. 2018. Identifying relevant spatial scales for management to ensure the persistence of a highly exploited species. *Conservation Letters* 2018:e12567

Midway SR, White JW, Scharf FS. 2018. The potential for cryptic population structure to sustain a heavily exploited marine flatfish stock. *Marine and Coastal Fisheries* 10:411-423

*Wang VH, White JW, Arnott SA, Scharf FS. 2018. Population connectivity of southern flounder in the U.S. South Atlantic revealed by otolith chemical analysis. *Marine Ecology Progress Series* 596: 165-179

†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, Fangue 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

Botsford LW, White JW, Carr MH, Caselle JE. 2014. Marine protected areas in California, USA. *Advances in Marine Biology* 69: 203-249

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

Botsford LW, Holland MD, Samhouri 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, Samhouri 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 *Hyallela 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

2025 White JW, Carr MH, Syms. 2025. Recruitment. In: *Ecology of Marine Fishes: California and Associated Waters*, 2nd Ed. (Allen LG, Pondella D, eds.). Johns Hopkins University Press. in press.

2025 White JW, Spiecker B, Yeager M, Caselle JE. 2025. Marine protected areas and temperate reef fishes. In: *Ecology of Marine Fishes: California and Associated Waters*, 2nd Ed. (Allen LG, Pondella D, eds.). Johns Hopkins University Press. in press.

2025 Field JC, White JW, Botsford LW. 2025. Fisheries management and models in the California Current. In: *Ecology of Marine Fishes: California and Associated Waters*, 2nd Ed. (Allen LG, Pondella D, eds.). Johns Hopkins University Press. in press.

SUBMITTED/IN REVIEW

*Santos AJB, Cullen JA, Ventura RNMS, Komoroske L, White JW, Fuentes MMPB. From courtship to foraging: movement ecology and behavior of resident and migratory post-breeding male green turtles. *Marine Ecology Progress Series*, in revision

White JW[=], †Hopf JK[=], *Pinos-Sánchez A, Rasmuson LK, Schmid MS, Novak M. Models reveal potential synergies in management actions for kelp forest resilience and restoration. *Journal of Applied Ecology*, submitted
[=]these authors contributed equally

*Campbell MC, Liu OR, Samhouri J, White JW. Spatial population dynamics models of two groundfish fisheries in Oregon, USA, project limited potential consequences of closures due to Offshore Wind Farms. *Scientific Reports,* in preparation

*Fisher JL, Zeman S, Morgan CA, Bolm A, Alin S, White JW. Productivity and transport, but not ocean acidification, explain variability in juvenile pteropod (*Limacina helicina*) abundance and phenology in the Northern California Current. *Limnology and Oceanography*, in preparation

Colman LP, Fuentes MPB, Bellini C, Venticinque EM, Komoroske L, Marcovaldi MA, Santos AJB, Thomé JCA, White JW. Recovery of a green turtle (*Chelonia mydas*) population on the South Atlantic Island of Fernando de Noronha, Brazil: 35 years of conservation efforts. *Endangered Species Research,* submitted

Berreman KS, Hutton SJ, White JW, Armbrust KL, Brander SM. Behavioral and transcriptomic effects of sublethal exposure to commonly used pesticides at different salinities in *Menidia beryllina*, informed by machine learning. *Environmental Science and Toxicology,* in preparation

*Huang JL, White JW, Nickols KJ, Steele MA. Quantifying the contribution of attraction vs. production to fish populations at an artificial reef complex using a length-based approach. *Ecological Applications*, in preparation

OTHER PUBLICATIONS

2023 White JW. 2023. Book review: *Introduction to Quantitative Ecology* by Timothy Essington. *Transactions of the American Fisheries Society* 152: 849-850

2022 †Hopf JK, *Erickson B, Caselle JE, Gelcich S, Lester S, Nickols KJ, Sanchirico J, Biedenweg K, White JW. 2022. 2022 Assessment of Oregon's Marine Reserves. Report submitted to the Oregon Ocean Policy Advisory Committee Statistical and Technical Advisory Committee.

2021 Hofmann GH, Hazen EL, Ambrose RF, Aseltine-Neilson D, Carter HC, Caselle JE, Chan F, Kone D, Levine A, Panos D, Micheli F, Sunday J, White JW. 2021. Climate Resilience and California's Marine Protected Area Network: A Report by the Ocean Protection Council Science Advisory Team Working Group and California Ocean Science Trust.

2020 †Perkins NR, Prall M, Chakraborty A, White JW, Baskett ML, Morgan SJ. 2020. How to quantify the statistical power of monitoring programs for marine protected areas. *Bulletin of the Ecological Society of America*, in press

Hilty J, Worboys G, Keeley A, Woodley S, Lausche B, Locke H, Carr M, Pulsford I, Pittock J, White JW, Theobald D, Levine J, Reuling M, Watson J, Ament R, Tabor G. 2020. *Guidance for conserving connectivity through ecological networks and corridors*. Best Practice Protected Area Guideline Series No. 30. International Union for the Conservation of Nature, Gland, Switzerland. DOI 10.2305/IUCN.CH.2020.PAG.30.en

*Easter EE, Adreani MS, Hamilton SL, Steele MS, *Pang S, White JW. 2020. Population dynamics of sex-changing fishes in marine protected areas. *Bulletin of the Ecological Society of America* 101:e01669

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 White JW, Samhouri JF, Stier AC, Wormald CL, Hamilton SL, Sandin SA. 2010. Fish density on reefs. *Bulletin of the Ecological Society of America* 91: 347-350

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

2025 West Coast Marine Research Workshop – Monterey Bay Aquarium, Pacific Grove, CA
2025 International Phycology Congress, Bohol, PHILIPPINES
2024 Hatfield Marine Science Center, Oregon State University, Newport, OR
2020 Helmholtz Institute for Functional Marine Biodiversity, University of Oldenburg, Oldenburg, GERMANY *delivered remotely due to COVID-19 pandemic
2020 California Department of Fisheries and Wildlife – Interagency Ecological Program, Stockton, CA *delivered remotely due to COVID-19 pandemic
2020 NOAA Southwest Fishery Science Center, La Jolla, CA *delivered remotely due to COVID-19 pandemic
2020 California State University Northridge Department of Biology, Northridge, CA *delivered remotely due to COVID-19 pandemic
2020 The Nature Conservancy "Size and Spacing Workshop 2.0", Corvallis, OR
2019 Hatfield Marine Science Center, Oregon State University, Newport, OR
2019 104th Ecological Society of America annual meeting, Louisville, KY
2019 Oregon Institute of Marine Biology, Charleston, OR
2019 NOAA Northwest Fisheries Science Center, Seattle, WA
2018 Ecology & Evolution Seminar Series, Florida State University, Tallahassee, FL
2018 Biological Sciences Colloquium, Florida State University, Tallahassee, FL
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 Roundtable on Fisheries and Marine Protected Areas, Canadian Parks and Wilderness Society, Vancouver, BC, CANADA
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)

2025 Western Society of Naturalists annual meeting, San Diego, CA
2025 Eastern Pacific Ocean Conference, Fallen Leaf Lake, CA
2025 International Congress on Conservation Biology, Brisbane, AUSTRALIA
2024 Western Society of Naturalists annual meeting, Portland, OR
2024 Eastern Pacific Ocean Conference, Mt. Hood, OR
2023 Western Society of Naturalists annual meeting, Monterey, CA
2023 Eastern Pacific Ocean Conference, Fallen Leaf Lake, CA
2023 Ecological Society of America annual meeting, Portland, OR
2022 Western Society of Naturalists annual meeting, Oxnard, CA
2022 Eastern Pacific Ocean Conference, Mt. Hood, OR
2021 Western Society of Naturalists annual meeting (remote)
2021 Ecological Society of America annual meeting (remote)
2021 Oregon chapter, American Fisheries Society annual meeting (remote)
2020 International Marine Conservation Congress, Kiel, GERMANY (remote)
2020 Western Society of Naturalists annual meeting (remote)
2019 Eastern Pacific Ocean Conference, Fallen Leaf Lake, CA
2018 Western Society of Naturalists annual meeting, Tacoma, WA
2018 Eastern Pacific Ocean Conference, Mt. Hood, OR
2018 American Fisheries Society Larval Fish Conference, Victoria, BC, Canada
2017 Western Society of Naturalists annual meeting, Palo Alto, CA
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

2025 State of the Coast – Oregon Sea Grant, Coos Bay, OR
2024 Lincoln County Audubon, Lincoln City, OR (remote)
2023 Oregon Marine Reserves Summit, Lincoln City, OR
2023 Environment Oregon – Celebrating Oregon's Coastal Ecosystems (remote)
2023 Portland Audubon Nature Night, Portland, OR (remote)
2022 Land-Sea Symposium, Yachats, OR
2022 Oregon State of the Coast meeting, Newport, OR
2022 Oregon Ocean Policy Advisory Council (remote)
2022 Oregon Ocean Science Trust (remote)
2021 Hatfield Marine Science Center Tap Talk (remote)
2020 Open Channels Webinar series (remote)
2020 Vital Sites: IUCN (remote)
2020 IUCN webinar (remote)
2020 OSU Authors and Editors Celebration (remote)
2014 Cape Fear Flyfishers, Southport, NC
2013 Osher Lifetime Learning Institute, Univ. North Carolina Wilmington
2012 College Day, Univ. North Carolina Wilmington

PROFESSIONAL SERVICE

Society President: Eastern Pacific Ocean Conference society. (2025-present)

Society Executive Secretariat: Western Society of Naturalists (2023-present)

Co-Editor-in-Chief: *Journal of Experimental Marine Biology and Ecology* (2019-present)

Associate Editor: *Journal of Experimental Marine Biology and Ecology* (2017-2019)

Special Issue Editor: *Theoretical Ecology* ('Recent Advances in the Science of Marine Reserves', 2025)

Guest Subject Editor: *Ecological Applications*

Journal Referee: Average of ~13 reviews/year for the past 15 years. Journals include *American Naturalist, Biological Conservation, Canadian Journal of Fisheries and Aquatic Sciences, Conservation Biology, Conservation Letters, Ecological Applications, Ecology, Ecology Letters, Journal of Animal Ecology, Limnology & Oceanography, Marine Ecology Progress Series, Methods in Ecology and Evolution, Nature, Nature Communications, Nature Climate Change, Proceedings of the National Academy of Sciences USA, Proceedings of the Royal Society B*

Grant Reviewer: California Sea Grant, EPA Barnegat Bay Program, NSF CAMEO program, NSF Biological Oceanography, New Jersey Sea Grant, NSF OCE, International Marine Conservation Congress, Agence Nationale de la Recherce, NMFS MARFIN program, David H. Smith Conservation Fellowship

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, National Research Council Postdoc Program

Expert Panels: Stock Assessment Review (STAR) panel, 2021 West Coast Lingcod Stock Assessment, Pacific Fishery Management Council. (2021)
MPAs and Climate Resilience Working Group, California Ocean Protection Council. (2020-2021)
Scientific and Statistical Committee, Pacific Fishery Management Council. (2020-2021)

Stock Assessment Review (STAR) panel, 2019 West Coast Cabezon Stock Assessment, Pacific Fishery Management Council. Newport, OR (2019)
Review Panel. Red abalone Fishery Management Plan, California Department of Fish and Wildlife (2018)
South Atlantic Climate Variability and Fisheries writing team for the Fishery Ecosystem Plan II (2015-2016)
Roundtable member. MPAs and fisheries science forum. Canadian Parks & Wilderness Society and British Columbia Commercial Fishing Caucus (2015)
Region 3 Strategic Habitat Area Advisory Committee. NC Division of Marine Fisheries (2013-2014)
Science Advisory Team. California Marine Life Protection Act Initiative, North Coast Study Region (2009-2011)

Expert Witness: Florida v. Georgia (2014) 135 Supreme Court 471

UNIVERSITY SERVICE

Chair, Search committee for Administrative Assistant to COMES Director (2024)
Search committee for Coastal Oregon Marine Experiment Station director (2023)
Chair, Search committee for Assistant Professor of Marine Fisheries (2022)
Chair, Peer Teaching review committee for J. Armstrong (2021)
Co-chair, Dept. of Fisheries & Wildlife Graduate Committee (2020-2022)
"Thought leaders" discussion group, College of Agricultural Sciences (2020-2021)
Chair, Dept. of Fisheries & Wildlife Graduate Committee (2019-2020)
Chair, Search committee for Administrative Assistant to COMES Director (2018)

TEACHING EXPERIENCE

COURSES TAUGHT

OSU: Introduction to Population Dynamics, FW 320, 4 credits
Population Dynamics for Conservation, FW 433/533, 4 credits
Marine Conservation Biology, FW 464/564, 3 credits
Humans and the Ocean, ENG/FW/TOX 230, 3 credits (co-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)

POSTDOCS AND RESEARCH ASSOCIATES

Jess Hopf (2020-)
Jesse van der Grient (co-advised with P. Brickle and M. Harte) (2022-2024)
Mallarie Yeager (co-advised with P. Raimondi and M. Carr) (2021-2023)
Fabio Caltabellotta (2020-2022)

Laura Storch (2019-2022)
Caren Barcelo (co-advised with L. Botsford and A. Hastings) (2019-2020)

GRADUATE STUDENTS (PRIMARY SUPERVISOR)

Andrés Pinos-Sánchez (co-adv.)	(current M.S.)	OSU
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Jennifer Fisher	(current Ph.D.)	OSU
Victoria Quennessen	(current Ph.D.)	OSU
Margaret Campbell	(M.S., 2024)	OSU
Montana McLeod	(M.S., 2022)	OSU
Christian Commander	(Ph.D., 2019)	UNCW
Alicia Cheripka	(M.S., 2018)	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)

Santiago Dominguez-Sánchez	(current Ph.D.)	OSU
Natalia Arias	(current Ph.D.)	OSU
Timeyin Pajiah	(current Ph.D.)	OSU
Ben Walker	(current Ph.D.)	UC Santa Cruz
Alyssa Lopez	(current M.S.)	OSU
Kratofil, Michaela	(current Ph.D.)	OSU
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Head, Melissa	(P.S.M.,2023)	OSU
Alexandra Avila	(Ph.D., 2022)	OSU
Dawn Barlow	(Ph.D., 2022)	OSU
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Verena Wang	(Ph.D., 2017)	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
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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)

Julia Fry	(Intern, 2024-25)	OSU
Lakeia Kyles	(NSF REU, 2022)	OSU
Jacob Ridgway	(NSF REU, 2021)	OSU
Mark Yamane	(NSF REU, 2019)	OSU
Sophie Perron	(NSF REU, 2018)	OSU
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

EXTERNAL THESIS EXAMINER

Aston, Charlotte	(Ph.D., 2025)	University of Western Australia
Cecino, Giorgina	(Ph.D., 2021)	University of Melbourne
Hopf, Jess	(Ph.D., 2016)	James Cooke University
Ford, John	(Ph.D., 2014)	University of Melbourne

ACADEMIC ADVISORS

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