

Cheryl L. Barnes, PhD (she | they)

Assistant Professor, Integrated Marine Fisheries Lab

ODFW Rep. Scientific and Statistical Committee, Pacific Fishery Management Council

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EDUCATION

PhD, Fisheries – UNIVERSITY of ALASKA FAIRBANKS (UAF) College of Fisheries and Ocean Sciences, Juneau Campus	2019
MS, Marine Science – MOSS LANDING MARINE LABORATORIES (MLML) Degree awarded by San José State University (SJSU)	2015
BS, Biology – SAN DIEGO STATE UNIVERSITY (SDSU) Emphasis: Marine Biology	2006

PROFESSIONAL EXPERIENCE (2006 to present)

OREGON STATE UNIVERSITY (OSU) OREGON DEPARTMENT of FISH and WILDLIFE (ODFW) Assistant Professor in Marine Fisheries	2023-P
SCIENTIFIC and STATISTICAL COMMITTEE, PACIFIC FISHERY MANAGEMENT COUNCIL Appointment, Oregon Department of Fish and Wildlife Vice Chair, Groundfish Subcommittee Member, Ecosystem-based Management and Highly Migratory Species Subcommittees	2023-P
COOPERATIVE INSTITUTE for CLIMATE, OCEAN, and ECOSYSTEM STUDIES (CICOES) UNIVERSITY of WASHINGTON – Seattle, WA ALASKA FISHERIES SCIENCE CENTER, NOAA – Seattle, WA ALASKA REGIONAL OFFICE, NOAA – Juneau, AK Research Scientist Postdoctoral Scholar	2022-2023 2020-2022
SCALE BACK CONSULTING, LLC – Anchorage, AK Principal Investigator	2020-2023
UNIVERSITY of ALASKA FAIRBANKS – Juneau, AK Research Assistant: Ecological interactions among groundfishes in the Gulf of Alaska Teaching Assistant: Field Methods in Marine Ecology and Fisheries	2015-2019 2017
CA COLLABORATIVE FISHERIES RESEARCH PROGRAM (CCFRP) – Moss Landing, CA Lead Scientist Volunteer Coordinator Science Crew	2011-2014 2010-2011 2010
CALIFORNIA SEA GRANT – San Diego, CA Extension Program Representative	2010-2014
SAN DIEGO OCEANS FOUNDATION (SDOF) – San Diego, CA Programs and Outreach Director Marine Science Education Program Coordinator	2008-2010 2008
MWR: COMMANDER FLEET ACTIVITIES – Sasebo, Japan Head Lifeguard and Water Safety Instructor; Lifeguard	2007-2008; 2006-2007

AWARDS AND HONORS

Chapter Service Award, Alaska Chapter of the American Fisheries Society	2023
Diversity and Inclusion Service Award, Western Division of the American Fisheries Society	2021
Top 10 Most Downloaded Papers [^] , Ecological Applications	2020
W.F. Thompson Award (Best Student Paper from 2018*), American Institute of Fishery Biologists	2019
Dean's Recognition Award – Outstanding Graduate Student, UAF	2019
First Place – Student Talk [∞] , Western Groundfish Conference	2018
Second Place – Student Poster [†] , Western Groundfish Conference	2016
Mirth Award, Western Groundfish Conference	2016
First Place – Student Poster [§] , Monterey Bay National Marine Sanctuary Symposium	2013
Dean's List – Honors Recognition, SDSU	2004, 2006

Student Travel Awards

Lowell Wakefield Fisheries Symposium	2015, 2019
Alaska Chapter of the American Fisheries Society	2015, 2017, 2018
Western Groundfish Conference	2012, 2014, 2016, 2018
Western Division of the American Fisheries Society	2017
CSU Council on Ocean Affairs, Science, and Technology	2014
International Flatfish Symposium	2014

GRANTS AND FELLOWSHIPS

Magnuson-Stevens Act Implementation, NOAA Fisheries	
co-PIs: PD Spencer, M Szymkowiak, CL Barnes – \$190,309	2024
Climate and Fisheries Adaptation (CAFA) Program, NOAA Fisheries	
Alaska Climate Integrated Modeling (ACLIM) Project, Phase III – \$149,058	2024
Lead PIs: KK Holsman, KY Aydin, CS Szuwalski, SP Wise; Collaborators: JCP Reum, CL Barnes	
Gulf of Alaska Climate Integrated Modeling (GOACLIM) Project, Phase II – \$79,957	2024
Lead PIs: MD Bryan, CR McGilliard, M Szymkowiak, CL Barnes, AE Punt, EA Fulton, MW Dorn	
Collaborator: JCP Reum	
GOACLIM Project, Phase I – \$154,279	2024
Lead PIs: MW Dorn, AE Punt; Collaborators: CL Barnes, JCP Reum, TE Essington	
Pacific Fishery Management Council – \$40,056	2024
Alaska Regional Office and Alaska Fisheries Science Center, NOAA (co-PI: JT Thorson) – \$122,995	2024
Alaska Regional Office, NOAA (co-PIs: J Pirtle, JT Thorson) – \$104,121	2023
Alaska Sea Grant Program Development Award (AK Chapter AFS) – \$8,850	2022
California Sea Grant Program Development Award (WSN) – \$4,000; \$9,999	2021; 2022
Magnuson-Stevens Act Implementation, NOAA (PIs: JT Thorson, JL Pirtle, TE Essington) – \$229,306	2020-2022
Northern Gulf of Alaska Applied Research Award – \$10,000	2018-2019
Rasmuson Fisheries Research Center Graduate Fellowship – \$78,901	2017-2019
Pollock Conservation Cooperative Research Center (PI: AH Beaudreau) – \$201,516	2015-2019
SJSU Associated Students Advocacy Award – \$500	2014
SJSU Graduate Equity Fellowship – \$3,000	2013-2014
Santa Monica Seafood's Responsible Sourcing Vendor Partner Grant (CCFRP) – \$15,000	2013-2014
Clarence F. and Lyle V. Burmahln Scholarship – \$500	2013
Dr. Earl M. Myers and Ethel M. Myers Oceanographic and Marine Biol. Trust Grant – \$1,500	2013
MLML Scholar Award: Michael Lee Environmental Foundation – \$2,200	2013
Xiphias Martin Scholarship: John H. Martin Family – \$500	2013
Lucille and David Packard Foundation Research and Travel Grant – \$1,000	2013
CSU Council on Ocean Affairs, Science, and Technology Graduate Student Award – \$3,000	2013
California Sea Grant: Program Development Award (SDOF) – \$9,900	2010

PUBLICATIONS

Published, In Press, or Accepted

- Kerametsidis G, Thorson J, Rossi V, Álvarez-Berastegui D, **Barnes CL**, Certain G, Esteban A, García E, Jadaud A, Piñeiro S, Vivas M, and Hidalgo M. 2024. Cross-scale environmental impacts across persistent and dynamic aggregations within a complex population: implications for fisheries management. *Can J Fish Aquat Sci.* 00:1-17. [dx.doi.org/10.1139/cjfas-2023-0120](https://doi.org/10.1139/cjfas-2023-0120).
- Dick EJ, **Barnes CL**, Coates J, Grunloh N, Monk M, and Rogers T. 2023. The status of Black Rockfish (*Sebastes melanops*) in U.S. waters off California in 2023. Pacific Fishery Management Council. 300pp.
- Thorson JT, **Barnes CL**, Friedman ST, Morano JL, and Siple MC. 2023. Spatially varying coefficients can improve parsimony and descriptive power for species distribution models. *Ecogr.* e06510.
- Brodie S, Smith JA, Muhling BA, Kaplan IC, Barnett LAK, Carroll G, Fiedler P, Bograd SJ, Hazen EL, Jacox MG, Andrews KS, **Barnes CL**, Crozier L, Fiechter J, Fredston A, Haltuch MA, Harvey CJ, Holmes E, Karp MA, Liu OR, Malick MJ, Buil MP, Richerson K, Rooper CN, Samhuri J, Seary R, Selden RL, Thompson AR, Thorson J, Tommasi D, Ward EJ, and Zabel R. 2022. Recommendations for quantifying and reducing uncertainty in projections of species distributions. *Glob Change Biol.* 28: 6586-6601.
- Barnes CL**, Essington TE, Pirtle JP, Rooper CN, Laman EA, Holsman KK, Aydin KY, and Thorson JT. 2022. Climate-informed models benefit hindcasting but present challenges when forecasting species-habitat associations. *Ecogr.* e06189.
- Dorn MW and **Barnes CL**. 2022. Time-varying predation as a modifier of constant natural mortality for Gulf of Alaska pollock. *Fish Res. VSI Natural Mortality.* 254(2022): 106291.
- Grüss A, Thorson JT, Stawitz CC, Reum JCP, Rohan SK, and **Barnes CL**. 2021. Synthesis of interannual variability in spatial demographic processes supports the strong influence of cold-pool extent on eastern Bering Sea walleye pollock (*Gadus chalcogrammus*). *Progr Ocean.* 194(2021): 102569
- Barnes CL**, Beaudreau AH, and Yamada RN. 2021. The role of size in trophic niche separation between two groundfish predators in Alaskan waters. *Mar Coast Fish.* 13: 98–113.
- Barnes CL** [^], Beaudreau AH, Dorn MW, Holsman KK, and Mueter FJ. 2020. Development of a predation index to assess trophic stability in the Gulf of Alaska. *Ecol Appl.* 30(4): e02141.
- Barnes CL** ^{*}, Beaudreau AH, Hunsicker ME, and Ciannelli L. 2018. Assessing the potential for competition between Pacific Halibut (*Hippoglossus stenolepis*) and Arrowtooth Flounder (*Atheresthes stomias*) in the Gulf of Alaska. *PLoS ONE.* 13(12): e0209402.
- Barnes CL** and Starr RM. 2018. Reproductive tactics of California Halibut (*Paralichthys californicus*): combining spawning season, interspawning interval, and batch fecundity to estimate annual reproductive output for a multiple-batch spawning fish. *CalCOFI Rep.* 59: 102–114.
- Lesyna KM and **Barnes CL** (corresponding author). 2016. Assessment of length- and age-at-maturity for California Halibut (*Paralichthys californicus*), including a histologically-based description of the reproductive cycle. *Calif Fish Game.* 102(3): 79–99.
- Barnes CL**, Starr RM, and Reilly PN. 2015. Growth, mortality, and reproductive seasonality of California Halibut (*Paralichthys californicus*): a biogeographic approach. *CalCOFI Rep.* 56: 110–118.
- Starr RM, Wendt DE, **Barnes CL**, Marks CI, Malone D, Waltz G, Schmidt KT, Chiu J, Launer AL, Hall NC, and Yochum N. 2015. Variation in responses of fishes across multiple reserves within a network of marine protected areas in temperate waters. *PLoS ONE.* 10(3): e0118502.
- Starr RM, Cortés J, **Barnes CL**, Green K, and Breedy O. 2012. Characterization of deepwater invertebrates at Isla del Coco National Park and La Gemelas Seamount, Costa Rica. *Int J Trop Biol.* 60(3): 303–319.

PUBLICATIONS, CONT'D

Submitted or In Review

Goodman MC, Reum JCP, **Barnes CL**, Punt AE, Ianelli JN, McHuron EA, de Leo G, and Holsman KK. In review. Projecting climate-driven changes in habitat use and biomass density of Bering Sea groundfish and crabs. Fish Fish. Forthcoming.

In Preparation

Gerson PE, **Barnes CL**, Thorson JT, Pirtle JP, Reum JCP, Miller JA, and Rogers LA. In prep. Predators as samplers: using food habits data to inform climate- and community-driven shifts in habitat use by federally-managed groundfish species. Forthcoming.

Bargas MP, **Barnes CL**, Heppell SA, Rasmuson LK, and Cope JM. In prep. Biogeographic variation in black rockfish (*Sebastes melanops*) life history traits from California to Alaska. Forthcoming.

Rovellini A, Punt AE, Kaplan IC, Dorn MW, Bryan MD, Fulton EA, Aydin KY, Adams GD, Baker MR, **Barnes CL**, Ferriss BE, Haltuch MA, Hermann AJ, McHuron EA, Morzaria-Luna HM, Norton EL, and Surma S. In prep. Evaluating groundfish optimum yield in the Gulf of Alaska under climate stress. Forthcoming.

Barnes CL, Dorn MW, Essington TE, McGilliard CR, Punt AE, and Reum JCP. In prep. The potential for trophic cascades in an ever-changing ecosystem recently impacted by marine heatwaves. Forthcoming.

Holsman KK, **Barnes CL**, Laurel BJ, and Hurst TP. In prep. Climate change and marine heatwaves induce declines in fish energetics and growth. Forthcoming.

Barnes CL, Waltz GT, Hamilton SL, Ruttenberg BI, Starr RM, and Brooks RO. In prep. Synchrony as a measure of resilience for temperate groundfish communities. Forthcoming.

MENTORSHIP

Graduate Students (* Faculty Advisor)

K. Ballard (PhD, IP)
M. Bargas* (MS, IP)
G. Christie (MS, IP)

H. Delgado-Nordmann (MS, 2016)
P. Gerson* (MS, IP)
G. Hunt (MS, 2015)

M. Monneedy (MS, IP)

Research Assistants

J. Antus (2009)
H. Heath (2013-14)

K. Ros (2010)
S. Robinson (2011)

A. Sloan (2014)

Undergraduate Students

M. Adams[▽] (2024-P)
A. Aines (2013)
D. Anaya (2013)
K. Askeland (2010)
M. Bargas (2017)
K. Beck (2014)
E. Bjork (2008)
S. Briley (2008)
K. Brown (2016)
A. Chorazyczewski (2014)
E. Cunningham[▽] (2024-P)
C. Doles (2013)
D. Duncan (2013)
A. Feck (2009)
A. Gile (2015)
N. Giraud (2009)
C. Giordano (2014)
A. Hedger (2009)
E. Hetherington (2009)

F. Holman (2022-P)
C. Homer (2018)
C. Hope (2010)
Z. Johanson (2016)
A. Kamber (2017)
L. Knopp (2009)
K. Kuhn (2008)
J. Li (2020-21)
S. Link (2016)
S. Lomonico (2014)
M. Mairz (2010)
R. McCollough (2013)
P. Muehlenbeck (2012)
R. Rand (2011-12)
M. Schmidt (2012)
E. Schurig (2013)
S. Saadat (2010-11)
P. Saengcharoentrakul (2020-21)
N. Siababa (2014)

E. Stollmeyer (2013)
H. Wayner (2016-17)
D. Weir (2009)

[▽] Supervised by graduate student

TEACHING

OREGON STATE UNIVERSITY	2024-P
Introduction to Fisheries Assessment (Graduate Course; eCampus)	
AMERICAN FISHERIES SOCIETY	2021
Spatiotemporal Analysis of Ecological Data (Conference Workshop)	
UNIVERSITY of ALASKA FAIRBANKS	
Making Ecological Inferences from Fisheries Data (Graduate Course; Guest Lecture)	2018
Field Methods in Marine Ecology and Fisheries (Undergraduate Course)	2017
UNIVERSITY of ALASKA SOUTHEAST: INTRO. to ALASKA FISHERIES – Juneau, AK	2016
Pacific Halibut Biology, Ecology, and Management (Undergraduate Course; Guest Lecture)	
CA COLLABORATIVE FISHERIES RESEARCH PROGRAM – Moss Landing, CA	2014, 2013, 2012
MPA Survey Objectives and Protocols (Multi-institutional Training)	
SAN DIEGO OCEANS FOUNDATION	
Ocean In Motion (K-12 Marine Science Education Program)	2008-2010
REEF Survey Methods and Species Identifications (Community Science Training Program)	2008-2010

PRESENTATIONS

⁶⁸ NWFSC MONSTER JAM SEMINAR SERIES (Virtual)	2024
— Navigating uncertainty through stakeholder engagement and integrated approaches to fisheries science	
⁶⁷ LOWELL WAKEFIELD FISHERIES SYMPOSIUM (Sitka, AK)	2024
— Working together to account for space as baselines, barometers, and best-guesses	
⁶⁶ HATFIELD MARINE SCIENCE CENTER, OSU (Newport, OR)	2023
— Navigating uncertainty through stakeholder engagement and integrated approaches to fisheries science	
⁶⁵ WESTERN GROUND FISH CONFERENCE (Juneau, AK)	2023
— Climate-informed models benefit hindcasting but present challenges for forecasting species-habitat associations	
⁶³⁻⁶⁴ ALASKA CHAPTER of the AMERICAN FISHERIES SOCIETY (Fairbanks, AK)	2023
— Climate-informed models benefit hindcasting but present challenges for forecasting species-habitat associations	
— Prospective students: new opportunities with the Integrated Marine Fisheries Lab at OSU	
⁶² OREGON CHAPTER of the AMERICAN FISHERIES SOCIETY (Eugene, OR)	2023
— Prospective students: new opportunities with the Integrated Marine Fisheries Lab at OSU	
⁶⁰⁻⁶¹ WESTERN SOCIETY of NATURALISTS (Oxnard, CA)	2023
— Climate-informed models benefit hindcasting but present challenges for forecasting species-habitat associations	
— Prospective students: new opportunities with the Integrated Marine Fisheries Lab at OSU	
⁵⁹ HATFIELD MARINE SCIENCE CENTER (Newport, OR)	
— Using collaborative fisheries science to strengthen ecological inferences in the North Pacific	
⁵⁸ ECOSYSTEM STUDIES of SUBARCTIC AND ARTIC SEAS (Seattle, WA)	2022
— Climate-informed models benefit hindcasting but present challenges for forecasting species-habitat associations	
⁵⁷ ALASKA CHAPTER of the AMERICAN FISHERIES SOCIETY (Virtual)	2022
— Model complexity has contrasting effects for hindcasting and forecasting species responses to climate change	
⁵⁶ WESTERN SOCIETY of NATURALISTS (Virtual)	2021
— Model complexity has contrasting effects for hindcasting and forecasting species responses to climate change	
⁵⁵ CENTER for the ADVANCEMENT of POPULATION ASSESSMENT METHODOLOGY (Virtual)	2021
— Predation as a modifier of constant natural mortality for Gulf of Alaska pollock	
⁵⁴ ALASKA MARINE SCIENCE SYMPOSIUM (Anchorage, AK)	2020
— Development of a predation index to assess trophic stability in the Gulf of Alaska	
⁵²⁻⁵³ ALASKA CHAPTER of the AMERICAN FISHERIES SOCIETY (Sitka, AK)	2019
— Assessing the potential for competition between Pacific Halibut and Arrowtooth Flounder in the Gulf of Alaska	
— Spatiotemporal variation in consumption of Walleye Pollock by major groundfish predators in the Gulf of Alaska	

PRESENTATIONS, CONT'D

⁵¹ PICES (Victoria, BC)	2019
— Ecological interactions among groundfish species in the Gulf of Alaska	
⁵⁰ POLLOCK CONSERVATION COOPERATIVE RESEARCH CENTER (Anchorage, AK)	2019
— Ecological interactions among groundfish species in the Gulf of Alaska	
⁴⁹ RASMUSON FISHERIES RESEARCH CENTER (Anchorage, AK)	2019
— Ecological interactions among groundfish species in the Gulf of Alaska	
⁴⁸ LOWELL WAKEFIELD FISHERIES SYMPOSIUM (Anchorage, AK)	2019
— Comparative resource use by two groundfish species in nearshore SE Alaska	
⁴⁷ ALASKA FISHERIES SCIENCE CENTER, NOAA: GROUND FISH SEMINAR (Seattle, WA)	2018
— Ecological interactions among major groundfish species in the Gulf of Alaska	
⁴⁶ WESTERN DIVISION of the AMERICAN FISHERIES SOCIETY (Anchorage, AK)	2018
— Assessing the potential for competition between P. Halibut and Arrowtooth Flounder in the Gulf of Alaska	
⁴⁵ INTERNATIONAL PACIFIC HALIBUT COMMISSION SEMINAR SERIES (Seattle, WA)	2018
— Assessing the potential for competition between P. Halibut and Arrowtooth Flounder in the Gulf of Alaska	
⁴⁴ POLLOCK CONSERVATION COOPERATIVE RESEARCH CENTER (Anchorage, AK)	2018
— Ecological interactions among groundfish species in the Gulf of Alaska	
⁴³ RASMUSON FISHERIES RESEARCH CENTER (Anchorage, AK)	2018
— Ecological interactions among groundfish species in the Gulf of Alaska	
⁴² UNIVERSITY of ALASKA FAIRBANKS: AQUATIC FOOD WEB ECOLOGY (Juneau, AK)	2018
— Making ecological inferences from fisheries data	
⁴¹ WESTERN GROUND FISH CONFERENCE (Monterey, CA)	2018
— A comparative assessment of resource use by P. Halibut and Arrowtooth Flounder throughout the Gulf of Alaska [∞]	
⁴⁰ WESTERN SOCIETY of NATURALISTS (Tacoma, WA)	2018
— The potential for competition between Pacific Halibut and Arrowtooth Flounder in the Gulf of Alaska	
³⁹ ALASKA CHAPTER of the AMERICAN FISHERIES SOCIETY (Fairbanks, AK)	2017
— A comparative assessment of resource use by P. Halibut and Arrowtooth Flounder throughout the Gulf of Alaska	
³⁸ WESTERN DIV. of the AMERICAN FISHERIES SOCIETY: STUDENT COLLOQUIUM (McCall, ID)	2017
— A comparative assessment of resource use by two groundfish species from nearshore waters of SE Alaska	
³⁷ ALASKA MARINE SCIENCE SYMPOSIUM (Anchorage, AK)	2017
— Calculating an index of predation to improve the stock assessment for Walleye Pollock in the Gulf of Alaska	
³⁶ POLLOCK CONSERVATION COOPERATIVE RESEARCH CENTER (Anchorage, AK)	2017
— Ecological interactions among groundfish species in the Gulf of Alaska	
³⁵ ALASKA MARINE SCIENCE SYMPOSIUM (Anchorage, AK)	2016
— Calculating an index of predation to improve the stock assessment for Walleye Pollock in the Gulf of Alaska	
³³⁻³⁴ POLLOCK CONSERVATION COOPERATIVE RESEARCH CENTER (Anchorage, AK)	2016
— Developing an index of predation to improve the assessment of Walleye Pollock in the Gulf of Alaska	
— Ecological interactions among groundfish species in the Gulf of Alaska	
³² UNIVERSITY of ALASKA SOUTHEAST (Juneau, AK)	2016
— Introduction to AK Fisheries Seminar: Pacific Halibut biology, ecology, management	
³⁰⁻³¹ WESTERN GROUND FISH CONFERENCE (Newport, OR)	2016
— Growth, mortality, and reproductive seasonality of California Halibut: a biogeographic approach	
— Calculating an index of predation to improve the stock assessment for Walleye Pollock in the Gulf of Alaska [†]	
²⁹ WESTERN SOCIETY of NATURALISTS (Monterey, CA)	2016
— A comparative assessment of resource use by Pacific Halibut and Arrowtooth Flounder from nearshore waters of Southeast Alaska: results from a small-scale field study	
²⁷⁻²⁸ ALASKA CHAPTER of the AMERICAN FISHERIES SOCIETY (Homer, AK)	2015
— Effects of demography, trophic interactions, and the environment on major groundfish species in the Gulf of Alaska	
— Exploring environmental and demographic drivers of resource overlap among Pacific Halibut, Arrowtooth Flounder, and Walleye Pollock in the Gulf of Alaska	

PRESENTATIONS, CONT'D

²⁶ ALASKA CHAPTER of the AMERICAN FISHERIES SOCIETY: STUDENT SYMPOSIUM (Juneau, AK)	2015
— Growth, mortality, and reproductive seasonality of California Halibut: a biogeographic approach	
²⁵ LOWELL WAKEFIELD FISHERIES SYMPOSIUM (Anchorage, AK)	2015
— Growth, mortality, and reproductive seasonality of California Halibut	
²³⁻²⁴ CA COLLABORATIVE FISHERIES RESEARCH PROGRAM (Half Moon Bay & Moss Landing, CA)	2014
— Research objectives, data collection, analyses, and project results	
— MPA monitoring and other project results from 2013	
²² INTERNATIONAL FLATFISH SYMPOSIUM (Cle Elum, WA)	2014
— Age, growth, and reproductive potential of California Halibut	
²¹ MARINE: OCEANS COLLOQUIUM (Moss Landing, CA)	2014
— Reproductive biology of California Halibut: results from the Central Coast	
²⁰ MONTEREY BAY NAT'L MARINE SANCTUARY SYMP: SANCTUARY CURRENTS (Seaside, CA)	2014
— Reproductive biology of California Halibut: results from the Central Coast	
¹⁹ MOSS LANDING MARINE LABORATORIES, OPEN HOUSE (Moss Landing, CA)	2014
— Flatfish fecundity: evaluating the reproductive nature of a prolific spawner in and around Monterey Bay	
¹⁸ MPA COLLABORATIVE NETWORK (Monterey, CA)	2014
— Key findings from monitoring Monterey Bay's marine protected areas	
¹⁶⁻¹⁷ WESTERN GROUND FISH CONFERENCE (Victoria, BC)	2014
— MPA monitoring: more than just the latest and greatest in marine conservation trends	
— Reproductive biology of California Halibut: results from the Central Coast	
¹⁵ WESTERN SOCIETY of NATURALISTS (Tacoma, WA)	2014
— Reproductive biology of California Halibut: evidence from the Central Coast	
¹³⁻¹⁴ CA COLLABORATIVE FISHERIES RESEARCH PROGRAM (Half Moon Bay & Moss Landing, CA)	2013
— Research objectives, data collection, analyses, and project results	
— MPA monitoring and other project results from 2012	
¹² CALIFORNIA DEPARTMENT of FISH and WILDLIFE (Belmont, CA)	2013
— The California Collaborative Fisheries Research Program: objectives, results, and interpretations	
¹¹ MONTEREY BAY NAT'L MARINE SANCTUARY SYMP: SANCTUARY CURRENTS (Seaside, CA)	2013
— Reproductive characteristics of California Halibut off central California ^s	
¹⁰ MOSS LANDING MARINE LABORATORIES, OPEN HOUSE (Moss Landing, CA)	2013
— Spawning characteristics of California Halibut in Monterey Bay	
⁸ WESTERN SOCIETY of NATURALISTS (Oxnard, CA)	2013
— Reproductive biology of California Halibut: evidence from the Central Coast	
⁶⁻⁷ CA COLLABORATIVE FISHERIES RESEARCH PROGRAM (Half Moon Bay & Moss Landing, CA)	2012
— Research objectives, data collection, analyses, and project results	
— MPA monitoring and other project results from 2011	
⁵ EXPANDING YOUR HORIZONS NETWORK (Monterey, CA)	2012
— Fishing for our future: fisheries biology and resource management	
⁴ MONTEREY BAY NAT'L MARINE SANCTUARY SYMP: SANCTUARY CURRENTS (Seaside, CA)	2012
— Collaborative fisheries research: a transition from data-poor to data-rich management	
³ MOSS LANDING MARINE LABORATORIES, OPEN HOUSE (Moss Landing, CA)	2012
— Fishing for science: the California Collaborative Fisheries Research Program	
² WESTERN GROUND FISH CONFERENCE (Seattle, WA)	2012
— Collaborative fisheries research: a transition from data-poor to data-rich management	
¹ SAN DIEGO BAY SYMPOSIUM (San Diego, CA)	2009
— SDOF's White Seabass Restoration Project and its relevance to San Diego Bay	

Superscripts correspond to items in 'AWARDS and HONORS'

PROFESSIONAL SERVICE AND OUTREACH ACTIVITIES

PEER REVIEWER

Bulletin of the Southern California Academy of Sciences
Ecosphere
Exxon Valdez Oil Spill Trustee Council
Fisheries Research
Fishery Bulletin
ICES Journal of Marine Science
Journal of Applied Ecology
Journal of Fish Biology
Marine Environmental Research
PLOS ONE

SCIENTIFIC and STATISTICAL COMMITTEE, PACIFIC FISHERY MANAGEMENT COUNCIL

Stock Assessment Review (STAR) Panelist, Pacific Sardine 2024
Stock Assessment Team (STAT) Member, CA Black Rockfish 2023

OREGON STATE UNIVERSITY

Department of Fisheries, Wildlife, and Conservation Sciences
Graduate Committee 2023-P
Search Committee, Assistant Professor in Ichthyology 2023-P
Hatfield Marine Science Center
Marine Science Day 2023; 2024
Markham Scholarship Selection Committee 2023; 2024

INTERNATIONAL FLATFISH SYMPOSIUM

Steering Committee 2023-P

AMERICAN FISHERIES SOCIETY, ALASKA CHAPTER

Professional Mentor; Peer Mentor 2021-P; 2020
Diversity, Equity, and Inclusion Committee (Chair) 2018-P
Annual Meeting Planning Committee 2017-2023
Program, Awards (co-Chair), and Entertainment Committees 2018-2019
Student Representative, Executive Committee 2015-2017

AMERICAN FISHERIES SOCIETY, WESTERN DIVISION

Diversity and Inclusion Committee 2018-2024
Annual Meeting Planning Committee 2021

NEWPORT PRIDE

Planning Committee and Founding Board of Directors 2022-2023

AMERICAN FISHERIES SOCIETY

Diversity, Equity, and Inclusion Committee 2021-2023

WESTERN GROUND FISH CONFERENCE

Steering Committee 2019-2023

WESTERN SOCIETY of NATURALISTS (WSN)

Diversity, Equity, and Inclusion Committee 2018-2022

SKYPE a SCIENTIST, Volunteer

2018-2022

ALASKA FISHERIES SCIENCE CENTER (AFSC, NOAA),

Gender Equity Working Group 2021

SOUTHEAST ALASKA LGBTQIA+ ALLIANCE

Board Member; Volunteer 2018-2019; 2015-2019

PROFESSIONAL SERVICE AND OUTREACH ACTIVITIES, CONT'D**UNIVERSITY of ALASKA FAIRBANKS**

Search Committee, Assistant Professor in Quantitative Fisheries 2018-2019

Graduate Academic and Advising Committee 2017-2019

Professional Development Workshop Organizer 2018

SITKA SOUND SCIENCE CENTER

Scientist in the Schools Volunteer 2018

PARTNERSHIP for INTERDISCIPLINARY STUDIES of COASTAL OCEANS

Volunteer 2013-2014, 2018

TEACHER ENHANCEMENT PROGRAM

Marine Science Educator 2013

WATSONVILLE AREA TEENS CONSERVING HABITATS PROGRAM

Science Mentor 2012-2013

EXPANDING YOUR HORIZONS NETWORK

Young Women in Science Volunteer 2011-2013

MONTEREY BAY AQUARIUM

DSCVR Young Women in Science Mentor 2011, 2013

SAN DIEGO STATE UNIVERSITY

Graduate Research Assistant 2010

SAN DIEGO SCIENCE and ENGINEERING FAIR, Professional Society Judge 2009-2010

SAN DIEGO COASTKEEPER

Outreach and Community Event Intern 2005-2006

UNDERGRADUATE RESOURCE OPPORTUNITIES CENTER CSU MONTEREY BAY

Mentor 2014

ASSOCIATIONS, CERTIFICATIONS, AND SELECT TRAININGS

500 QUEER SCIENTISTS, Member	2017-P
ALASKA CLIMATE INTEGRATED MODELING (ACLIM), Collaborator	2020-P
ALASKA MARINE SAFETY EDUCATION ASSOC – Cold Water Survival; Skiff Operator	2015, 2017
AMERICAN ACADEMY of UNDERWATER SCIENCES, Scientific Diver; Member	2010-P
AMERICAN ASSOCIATION for the ADVANCEMENT of SCIENCE, Member	2016-P
AMERICAN FISHERIES SOCIETY, Western Division and Alaska Chapter Member	2015-P
AMERICAN INSTITUTE of FISHERY RESEARCH BIOLOGISTS, Member	2019-P
AMERICAN RED CROSS – CPR, AED, First Aid, and Administering Emergency O ₂ Lifeguard and Water Safety Instructor; Fundamentals of Instructor Training	2006-2015 2006-2008
AMERICAN STATISTICAL ASSOCIATION, Alaska Chapter Member	2019-P
CA DEPARTMENT of BOATING and WATERWAYS, Boating Education Certificate	2011
CA OCEAN SCIENCE TRUST, CA Citizen Science Initiative Participant	2014
CAREERSTONE GROUP, Managing Up Workshop Participant	2021
COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI) Working with the IACUC; Field and Lab Animal Researchers	2015-P
ECOLOGICAL SOCIETY of AMERICA, Member	2019-P
EPSCoR, Mindful Leadership: Creating a Diverse and Inclusive UA Workshop Participant	2018
EQUAL EMPLOYMENT OPPORTUNITY COMM., Beyond the Binary Workshop Participant	2021
GULF of ALASKA CLIMATE INTEGRATED MODELING (GOACLIM) PROJECT	2022-P
MORALE, WELFARE, and RECREATION, COMM. FLEET ACT, Power Boat Operator	2007
MPA COLLABORATIVE NETWORK, Participant	2011-2014
NATIONAL ASSOCIATION of UNDERWATER INSTRUCTORS Master SCUBA Diver; Nitrox Diver	2010
NATIONAL CENTER for FACULTY DIVERSITY and DEVELOPMENT Faculty Success Program Participant	2023
NATIONAL CENTER for ECOLOGICAL ANALYSIS and SYNTHESIS (NCEAS) Reproducible Research Techniques for Synthesis Workshop Participant	2019
NATIONAL COUNCIL for BEHAVIORAL HEALTH, Mental Health First Aid USA	2018
NOAA PRIDE EMPLOYEE RESOURCE GROUP, Member	2020-2023
oSTEM, Member	2019-P
PROFESSIONAL ASSOCIATION of DIVING INSTRUCTORS Open Water, Advanced Open Water, Rescue Diver; Dive Master	2006, 2007, 2009; 2010
REEF CHECK CALIFORNIA UPC, Algae, Invertebrate, and Fish Surveyor	2010
REEF ENVIRONMENTAL EDUCATION FOUNDATION (REEF) Marine Algal, Invertebrate, and Expert Fish Surveyor	2008
SACNAS, Member; Creating More Inclusive Spaces in STEM Workshop Participant	2022-P; 2021
TRIMBLE, Intermediate Mapping and GIS Certificate	2011
UNITED STATES COAST GUARD, Small Vessel Operator	2015
WESTERN SOCIETY of NATURALISTS, Member	2010-P
