

**Cheryl L. Barnes, PhD** (she | they)  
PI, Integrated Marine Fisheries Lab

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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

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**PROFESSIONAL EXPERIENCE** (2006 to present)

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

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## 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 <sup>^</sup> , Ecological Applications	2020
W.F. Thompson Award (Best Student Paper from 2018 <sup>*</sup> ), American Institute of Fishery Biologists	2019
Dean's Recognition Award – Outstanding Graduate Student, UAF	2019
First Place – Student Talk <sup>∞</sup> , Western Groundfish Conference	2018
Second Place – Student Poster <sup>†</sup> , Western Groundfish Conference	2016
Mirth Award, Western Groundfish Conference	2016
First Place – Student Poster <sup>§</sup> , Monterey Bay National Marine Sanctuary Symposium	2013
Dean's List – Honors Recognition, SDSU	2004, 2006

## CONFERENCE TRAVEL

Lowell Wakefield Fisheries Symposium	2015, 2019, 2024
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

Superscripts correspond to items in 'PUBLICATIONS' and 'PRESENTATIONS'

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## GRANTS AND FELLOWSHIPS

Magnuson-Stevens Act Implementation, NOAA Fisheries	
Pls: CL Barnes, PD Spencer, M Szymkowiak – <b>\$90,736</b>	2024
Climate and Fisheries Adaptation (CAFA) Program, NOAA Fisheries	
Alaska Climate Integrated Modeling (ACLIM) Project, Phase III – <b>\$527,895</b>	2024
Pls: KY Aydin, KK Holsman, CS Szuwalski, SP Wise; Collaborators: CL Barnes, JCP Reum	
Gulf of Alaska Climate Integrated Modeling (GOACLIM) Project, Phase II – <b>\$230,130</b>	2024
Pls: CL Barnes, MD Bryan, MW Dorn, CR McGilliard, AE Punt; Collaborator: JCP Reum	
Pacific Fishery Management Council – <b>\$40,056</b>	2024
Alaska Regional Office and Alaska Fisheries Science Center, NOAA (co-PI: JT Thorson) – <b>\$122,995</b>	2024
Branch Experiment Station Research Internship (College of Agr. Sciences, OSU) – <b>\$7,500</b>	2024
Marine Studies Initiative Advancement Award (Madison Bargas, MS Thesis) – <b>\$3,950</b>	2024
Alaska Regional Office, NOAA (co-PIs: J Pirtle, JT Thorson) – <b>\$104,121</b>	2023
Alaska Sea Grant Program Development Award (AK Chapter AFS) – <b>\$8,850</b>	2022
California Sea Grant Program Development Award (WSN) – <b>\$4,000; \$9,999</b>	2021; 2022
Magnuson-Stevens Act Implementation, NOAA (PIs: JT Thorson, JL Pirtle, TE Essington) – <b>\$229,306</b>	2020-2022
Northern Gulf of Alaska Applied Research Award – <b>\$10,000</b>	2018-2019
Rasmuson Fisheries Research Center Graduate Fellowship – <b>\$78,901</b>	2017-2019
Pollock Conservation Cooperative Research Center (PI: AH Beaudreau) – <b>\$201,516</b>	2015-2019
SJSU Associated Students Advocacy Award; Graduate Equity Fellowship – <b>\$500; \$3,000</b>	2014; 2013-2014
Santa Monica Seafood's Responsible Sourcing Vendor Partner Grant (CCFRP) – <b>\$15,000</b>	2013-2014
Clarence F. and Lyle V. Burmahln Scholarship – <b>\$500</b>	2013
Dr. Earl and Ethel Myers Oceanographic and Marine Biol. Trust Grant – <b>\$1,500</b>	2013
MLML Scholar Award (Michael Lee Environmental Foundation) – <b>\$2,200</b>	2013
Xiphias Martin Scholarship: John H. Martin Family – <b>\$500</b>	2013
Lucille and David Packard Foundation Research and Travel Grant – <b>\$1,000</b>	2013
CSU Council on Ocean Affairs, Science, and Technology Graduate Student Award – <b>\$3,000</b>	2013
California Sea Grant: Program Development Award (SDOF) – <b>\$9,900</b>	2010

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## PEER-REVIEWED 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.
- 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**<sup>^</sup>, 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**<sup>\*</sup>, 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.

Superscripts correspond to items in 'AWARDS and HONORS'

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## PEER-REVIEWED 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. Submitted. Spatial responses to pH, oxygen, and an oceanographic index increase the extent of projected range shifts in the Bering Sea. Fish and Fisheries. Forthcoming.

### In Preparation

Siple M, Nielsen J, Andrews A, Eisner L, Siddon E, Sullaway G, **Barnes CL**, Gann J, Harris J, Kimmel D, Mordy C, Pirtle J, Rogers L, Rohan S, and Yasumiishi E. In prep. Climate-driven prey fields for small pelagics in the Bering Sea. TBD. 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. TBD. 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. TBD. Forthcoming.

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

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. TBD. 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. TBD. Forthcoming.

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## MENTORSHIP

### Graduate Students <sup>(+ Faculty Advisor; - Committee Member; ^ Graduate Council Representative)</sup>

M. Bargas <sup>+</sup> (MS, IP)	N. Fillman <sup>^</sup> (PhD, IP)	G. Hunt (MS, 2015)
G. Christie <sup>-</sup> (MS, IP)	P. Gerson <sup>+</sup> (MS, IP)	M. Monneedy <sup>-</sup> (MS, IP)
H. Delgado-Nordmann (MS, 2016)	J. Hansen <sup>+</sup> (PhD, IP)	I. Nyameke <sup>-</sup> (PhD, IP)

### Research Assistants

J. Antus (2009)	K. Ros (2010)	A. Sloan (2014)
H. Heath (2013-14)	S. Robinson (2011)	

### Undergraduate Students

M. Adams <sup>▽</sup> (2024)	C. Doles (2013)	Z. Johanson (2016)	R. Rand (2011-12)
A. Aines (2013)	D. Duncan (2013)	A. Kamber (2017)	D. Rojano (2024-P)
D. Anaya (2013)	A. Feck (2009)	L. Knopp (2009)	M. Schmidt (2012)
K. Askeland (2010)	A. Gile (2015)	K. Kuhn (2008)	E. Schurig (2013)
M. Bargas (2017)	N. Giraud (2009)	J. Li (2020-21)	S. Saadat (2010-11)
K. Beck (2014)	C. Giordano (2014)	V. Light <sup>▽</sup> (2024)	P. Saengcharoentrakul (2020-21)
E. Bjork (2008)	G. Godfrey <sup>▽</sup> (2024-P)	S. Link (2016)	N. Siababa (2014)
S. Briley (2008)	A. Hedger (2009)	S. Lockwood <sup>▽</sup> (2024-P)	E. Stollmeyer (2013)
K. Brown (2016)	E. Hetherington (2009)	S. Lomonico (2014)	H. Vernon (2024-P)
A. Chorazyczewski (2014)	F. Holman (2022-P)	M. Mairz (2010)	H. Wayner (2016-17)
E. Cunningham <sup>▽</sup> (2024)	C. Homer (2018)	R. McCollough (2013)	D. Weir (2009)
T. Davies <sup>▽</sup> (2024-P)	C. Hope (2010)	P. Muehlenbeck (2012)	<sup>▽</sup> supervised by graduate student



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## 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

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## PRESENTATIONS

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

Symbols correspond to items in 'AWARDS and HONORS'

## PRESENTATIONS, CONT'D

<sup>51</sup> PICES (Victoria, BC)	2019
— Ecological interactions among groundfish species in the Gulf of Alaska	
<sup>50</sup> POLLOCK CONSERVATION COOPERATIVE RESEARCH CENTER (Anchorage, AK)	2019
— Ecological interactions among groundfish species in the Gulf of Alaska	
<sup>49</sup> RASMUSON FISHERIES RESEARCH CENTER (Anchorage, AK)	2019
— Ecological interactions among groundfish species in the Gulf of Alaska	
<sup>48</sup> LOWELL WAKEFIELD FISHERIES SYMPOSIUM (Anchorage, AK)	2019
— Comparative resource use by two groundfish species in nearshore SE Alaska	
<sup>47</sup> ALASKA FISHERIES SCIENCE CENTER, NOAA: GROUND FISH SEMINAR (Seattle, WA)	2018
— Ecological interactions among major groundfish species in the Gulf of Alaska	
<sup>46</sup> 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	
<sup>45</sup> 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	
<sup>44</sup> POLLOCK CONSERVATION COOPERATIVE RESEARCH CENTER (Anchorage, AK)	2018
— Ecological interactions among groundfish species in the Gulf of Alaska	
<sup>43</sup> RASMUSON FISHERIES RESEARCH CENTER (Anchorage, AK)	2018
— Ecological interactions among groundfish species in the Gulf of Alaska	
<sup>42</sup> UNIVERSITY of ALASKA FAIRBANKS: AQUATIC FOOD WEB ECOLOGY (Juneau, AK)	2018
— Making ecological inferences from fisheries data	
<sup>41</sup> WESTERN GROUND FISH CONFERENCE (Monterey, CA)	2018
— A comparative assessment of resource use by P. Halibut and Arrowtooth Flounder throughout the Gulf of Alaska <sup>∞</sup>	
<sup>40</sup> WESTERN SOCIETY of NATURALISTS (Tacoma, WA)	2018
— The potential for competition between Pacific Halibut and Arrowtooth Flounder in the Gulf of Alaska	
<sup>39</sup> 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	
<sup>38</sup> 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	
<sup>37</sup> 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	
<sup>36</sup> POLLOCK CONSERVATION COOPERATIVE RESEARCH CENTER (Anchorage, AK)	2017
— Ecological interactions among groundfish species in the Gulf of Alaska	
<sup>35</sup> 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	
<sup>33-34</sup> 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	
<sup>32</sup> UNIVERSITY of ALASKA SOUTHEAST (Juneau, AK)	2016
— Introduction to AK Fisheries Seminar: Pacific Halibut biology, ecology, management	
<sup>30-31</sup> 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 <sup>†</sup>	
<sup>29</sup> 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	
<sup>28</sup> ALASKA CHAPTER of the AMERICAN FISHERIES SOCIETY: STUDENT SYMPOSIUM (Juneau, AK)	2015
— Growth, mortality, and reproductive seasonality of California Halibut: a biogeographic approach	

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## PRESENTATIONS, CONT'D

<sup>26-27</sup>	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	
<sup>25</sup>	LOWELL WAKEFIELD FISHERIES SYMPOSIUM (Anchorage, AK)	2015
	— Growth, mortality, and reproductive seasonality of California Halibut	
<sup>23-24</sup>	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	
<sup>22</sup>	INTERNATIONAL FLATFISH SYMPOSIUM (Cle Elum, WA)	2014
	— Age, growth, and reproductive potential of California Halibut	
<sup>21</sup>	MARINE: OCEANS COLLOQUIUM (Moss Landing, CA)	2014
	— Reproductive biology of California Halibut: results from the Central Coast	
<sup>20</sup>	MONTEREY BAY NAT'L MARINE SANCTUARY SYMP: SANCTUARY CURRENTS (Seaside, CA)	2014
	— Reproductive biology of California Halibut: results from the Central Coast	
<sup>19</sup>	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	
<sup>18</sup>	MPA COLLABORATIVE NETWORK (Monterey, CA)	2014
	— Key findings from monitoring Monterey Bay's marine protected areas	
<sup>16-17</sup>	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	
<sup>15</sup>	WESTERN SOCIETY of NATURALISTS (Tacoma, WA)	2014
	— Reproductive biology of California Halibut: evidence from the Central Coast	
<sup>13-14</sup>	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	
<sup>12</sup>	CALIFORNIA DEPARTMENT of FISH and WILDLIFE (Belmont, CA)	2013
	— The California Collaborative Fisheries Research Program: objectives, results, and interpretations	
<sup>11</sup>	MONTEREY BAY NAT'L MARINE SANCTUARY SYMP: SANCTUARY CURRENTS (Seaside, CA)	2013
	— Reproductive characteristics of California Halibut off central California <sup>s</sup>	
<sup>10</sup>	MOSS LANDING MARINE LABORATORIES, OPEN HOUSE (Moss Landing, CA)	2013
	— Spawning characteristics of California Halibut in Monterey Bay	
<sup>8</sup>	WESTERN SOCIETY of NATURALISTS (Oxnard, CA)	2013
	— Reproductive biology of California Halibut: evidence from the Central Coast	
<sup>6-7</sup>	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	
<sup>5</sup>	EXPANDING YOUR HORIZONS NETWORK (Monterey, CA)	2012
	— Fishing for our future: fisheries biology and resource management	
<sup>4</sup>	MONTEREY BAY NAT'L MARINE SANCTUARY SYMP: SANCTUARY CURRENTS (Seaside, CA)	2012
	— Collaborative fisheries research: a transition from data-poor to data-rich management	
<sup>3</sup>	MOSS LANDING MARINE LABORATORIES, OPEN HOUSE (Moss Landing, CA)	2012
	— Fishing for science: the California Collaborative Fisheries Research Program	
<sup>2</sup>	WESTERN GROUND FISH CONFERENCE (Seattle, WA)	2012
	— Collaborative fisheries research: a transition from data-poor to data-rich management	
<sup>1</sup>	SAN DIEGO BAY SYMPOSIUM (San Diego, CA)	2009
	— SDOF's White Seabass Restoration Project and its relevance to San Diego Bay	

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## PROFESSIONAL SERVICE AND OUTREACH ACTIVITIES

### PEER REVIEWER

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

### SCIENTIFIC and STATISTICAL COMMITTEE, PACIFIC FISHERY MANAGEMENT COUNCIL

Stock Assessment Review (STAR) Panelist, California Halibut	2024
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; Markham Scholarship Selection Committee	2023; 2024

### INTERNATIONAL FLATFISH SYMPOSIUM

Steering Committee	2023-P
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### 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
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### AMERICAN FISHERIES SOCIETY

Diversity, Equity, and Inclusion Committee	2021-2023
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### WESTERN GROUND FISH CONFERENCE

Steering Committee	2019-2023
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### WESTERN SOCIETY of NATURALISTS (WSN)

Diversity, Equity, and Inclusion Committee	2018-2022
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### SKYPE a SCIENTIST, Volunteer

2018-2022

### ALASKA FISHERIES SCIENCE CENTER (AFSC, NOAA),

Gender Equity Working Group	2021
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### SOUTHEAST ALASKA LGBTQIA+ ALLIANCE

Board Member; Volunteer	2018-2019; 2015-2019
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## 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

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## SELECT ASSOCIATIONS, CERTIFICATIONS, AND TRAININGS

500 QUEER SCIENTISTS, Member	2017-P
ALASKA CLIMATE INTEGRATED MODELING (ACLIM) PROJECT Principal Investigator	2020-P
ALASKA MARINE SAFETY EDUCATION ASSOCIATION 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, Member	2015-P
AMERICAN INSTITUTE of FISHERY RESEARCH BIOLOGISTS, Member	2019-P
AMERICAN RED CROSS – CPR, AED, First Aid, and Administering Emergency O <sub>2</sub> Lifeguard and Water Safety Instructor; Fundamentals of Instructor Training	2006-2015 2006-2008
AMERICAN STATISTICAL ASSOCIATION, Member	2019-P
CA DEPARTMENT of BOATING and WATERWAYS, Boating Education Certificate	2011
CA OCEAN SCIENCE TRUST, CA Citizen Science Initiative	2014
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	2018
EQUAL EMPLOYMENT OPPORTUNITY COMM., Beyond the Binary Workshop	2021
GULF of ALASKA CLIMATE INTEGRATED MODELING (GOACLIM) PROJECT Principal Investigator	2022-P
MORALE, WELFARE, and RECREATION, COMM. FLEET ACT, Power Boat Operator	2007
MPA COLLABORATIVE NETWORK, Member	2011-2014
NATIONAL ASSOCIATION of UNDERWATER INSTRUCTORS Master SCUBA Diver; Nitrox Diver	2010
NATIONAL CENTER for FACULTY DIVERSITY and DEVELOPMENT Faculty Success Program	2023
NATIONAL CENTER for ECOLOGICAL ANALYSIS and SYNTHESIS (NCEAS) Reproducible Research Techniques for Synthesis Workshop	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 Uniform Point Contact, 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	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