Ellen Chenoweth Ph.D.

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EDUCATION

Ph.D. **Fisheries**, University of Alaska Fairbanks. College of Fisheries and Ocean Sciences 8/2018
Fairbanks, AK**.** *Bioenergetic and economic impacts of humpback whale depredation at hatchery release sites in Southeast Alaska.* Co-advisors Drs. Megan McPhee and Shannon Atkinson

B.A. **Biology** Cum Laude, Kalamazoo College. Kalamazoo, MI 6/2008
Study Abroad: Oaxaca, Mexico 6 months 2006-2007

PROFESSIONAL APPOINTMENTS

Assistant Research Professor University of Alaska Fairbanks.	2022 - **present**
Adjunct Professor of Biology University of Alaska Southeast. Juneau, AK	2019 – **present**
Program Director Rural Alaska Students in One-Health Research.	2019 – **present**
Research Advising and Mentorship Professional BLaST (Biomedical Learning and Student Training)	2018 – 2025
Laboratory Instructor University of Alaska Southeast. Juneau, AK	2012
Writing and Biology Tutor University of Alaska Southeast	2011-2013
Research Technician J. Straley Investigations/University of Alaska Southeast. Sitka, AK.	2009-2011
Seasonal Research Technician Glacier Bay National Park. Gustavus, AK	2007 & 2008

PUBLICATIONS

Chenoweth EM, Cotter P, Lanphier K, Straley JM. (*2025*) Community-based, culturally relevant STEM: Engaging rural and Indigenous students through partnerships, institutional flexibility, and One Health. Innovative Higher Education.

Chenoweth EM, Shelden KEW, Christianson R M, and Johnson WR. (*2025*) First Bowhead Whale Sighting in Southeast Alaska: An Extralimital Southern Excursion in this Arctic-adapted Species. Aquatic Mammals. 51 (4), 311-318.

Nemeth C, Gough WT, Segre PS, Fish FE, Szabo A, Fassmann WN, Thomson SL, Burrows JA, **Chenoweth EM**, di Clemente J, Friedlaender AS, Goldbogen JA, Simon M, Straley JM, Videsen SKA, Visser F, Weir CR, and Bejder L. (2025) The secret of bubble-net feeding: How humpback whale morphology distinguishes them from other baleen whales. J Exp Biol. 228 (16) jeb249607.

Cotter P, Gildehaus L, **Chenoweth E**, Straley J, Hueffer K, Reynolds AJ (2023) Engaging northern rural and Indigenous students: case studies using One Health and principles of educational resilience. Education in the North 30 (1), 69-91

Chenoweth EM, Houston J, Huntington KB & Straley JM (2022) A Virtual Necropsy: Applications of 3D Scanning for Marine Mammal Pathology and Education. Animals 12.

Burford BP, Wild LA, Schwarz R, **Chenoweth EM**, Sreenivasan A, Elahi R, Carey N, Hoving HJT, Straley JM & Denny MW (2022) Rapid Range Expansion of a Marine Ectotherm Reveals the Demographic and Ecological Consequences of Short-Term Variability in Seawater Temperature and Dissolved Oxygen. Am Nat 199:523–550.

Segre PS, Gough WT, Roualdes EA, Cade DE, Czapanskiy MF, Fahlbusch J, Kahane-Rapport SR, Oestreich WK, Bejder L, Bierlich KC, Burrows JA, Calambokidis J, **Chenoweth EM**, Di Clemente J, Durban JW, Fearnbach H, Fish FE, Friedlaender AS, Hegelund P, Johnston DW, Nowacek DP, Oudejans MG, Penry GS, Potvin J, Simon M, Stanworth A, Straley JM, Szabo A, Videsen SKA, Visser F, Weir CR, Wiley DN & Goldbogen JA (2022) Scaling of maneuvering performance in baleen whales: larger whales outperform expectations. J Exp Biol 225.

Chenoweth EM, Boswell KM, Friedlaender AS, McPhee MV, Burrows JA, Heintz RA, and Straley JM (2021) Confronting assumptions about prey selection by lunge-feeding whales using a process-based model. *Functional Ecology*. 35(8), 1722–1734.

Chenoweth EM, Criddle KR. (2019) The economic impacts of humpback whale depredation on hatchery-released juvenile salmon

in Southeast Alaska. *Marine and Coastal Fisheries* 11(1): 62-75.

Werth A, Kosma MM, **Chenoweth EM**, Straley JM (2019) New views of humpback whale flow dynamics and morphology during prey engulfment. *Marine Mammal Science* 35 (4): 1556 – 1578.

Chenoweth EM (2018) Bioenergetic and economic impacts of humpback whale depredation at salmon hatchery release sites (Doctoral dissertation) University of Alaska Fairbanks.

Wild LA, **Chenoweth EM**, Mueter FJ, Straley JM (2018) Evidence for dietary time series in layers of cetacean skin using stable carbon and nitrogen isotope ratios. Rapid Commun Mass Spectrom 32:1425–1438. (cover)

Chenoweth EM, Straley JM, McPhee M, Atkinson S, Reifenstuhl S (2017) Humpback whales feed on hatchery-released juvenile salmon. R Soc Open Sci 4: 170180.

Brewer RS, Norcross BL, **Chenoweth E** (2017) Temperature- and size-dependent growth and movement of the North Pacific giant octopus (Enteroctopus dofleini) in the Bering Sea. Mar Biol Res 13:909–918.

Burrows JA, Johnston DW, Straley J, **Chenoweth EM**, Ware C, Curtice C, DeRuiter SL, Friedlaender AS. (2016) Prey density and depth affect the fine-scale foraging behavior of humpback whales (*Megaptera novaeangliae*) in Sitka Sound, Alaska. Marine Ecology Progress Series. 561: 245–260.

Straley JM, Schorr GS, Thode AM, Calambokidis J, Lunsford CR, **Chenoweth EM**, O'Connell T, Andrews RD. (2014) Depredating sperm whales in the Gulf of Alaska: local habitat use and long distance movements across putative population boundaries. Endangered Species Research. 24, 125–135.

Chenoweth EM (2013) Trend lines to Headlines: A scientist's foray into the world of journalism. Fisheries 38 (11): 510-511. (cover)

Witteveen BH, Straley JM, **Chenoweth EM**, Baker CS, Barlow J, Matkin C, Gabriele CM, Neilson J, Steel D, von Ziegesar O, Andrews AG, Hirons A (2011) Using movements, genetics and trophic ecology to establish distinctions between regional inshore and offshore aggregations of humpback whales in the Gulf of Alaska. Endangered Species Research 14, 217-225.

Chenoweth EM, Gabriele CM, Hill DF (2011) Tidal influences on humpback whale habitat selection near headlands. Marine Ecology Progress Series. 423, 279-289.

FELLOWSHIPS AND GRANTS

$ indicates full grant amount; $* indicates costs controlled by CFOS

Alaska Seagrant (Subaward PI) | $32,159*	pending
University of Alaska Faculty Initiative Award (Subaward PI) | $9,979*	2025 - **2026**
Alaska Native Tribal Health Consortium to Texas A&M primary (Subaward PI) | $61,744*	2025 – **2027**
National Institutes of Health R25 Science Education Partnership Award (co-I) | $1,253,053*	2024 – **2029**
National Institutes of Health R25 Science Education Partnership Award (PI) | $1,334,542	2025 – **2030**
National Institutes of Health R25 Science Education Partnership Award (PI) | $594,480	2023 – 2025
University of Alaska Fairbanks Dissertation Completion Fellowship | $15,000	2017 – 2018
UAF Biomedical Learning and Student Training Unique Funding Opportunity Award | $12,227	2016
National Science Foundation Graduate Research Fellowship | $132,000	2012
UAF Marine Ecosystem Sustainability in the Arctic and Subarctic (MESAS) Fellowship | $84,000	2011

GRANT COLLABORATIONS

$ indicates full grant amount * indicates costs controlled by CFOS

National Institutes of Health R25 IPERT: (Co-I) Research Advising & Mentoring Professionals | $427,000*	2024
National Institutes of Health R25 SEPA: (Co-I) PI Straley	2019 – 2023

National Institutes of Health UL5 BuILD: (Personnel) Biomedical Learning and Student Training 2018 – 2025

UAF Biomedical Learning and Student Training Unique Funding Opportunity PI J. Straley |$3,895 2020

UAF Biomedical Learning and Student Training Curriculum Development. PI M. Castelini | $10,000 2021

Alaska SeaGrant PI Straley to fund dissertation research |$105,000 2013

AWARDS and HONORS

Student graduation speaker. University of Alaska Southeast Sitka Campus 2018

Alaska Marine Science Symposium, Best oral presentation Ph.D. student 2015

Alaska Press Club Best Science Story (Radio) 2015

American Fisheries Society Alaska Chapter Student Symposium, excellent oral presentation 2014

Alaska SeaGrant Research Fellow 2014

National Science Foundation IGERT Video and Poster Competition 2013

National Science Foundation Graduate Research Fellowship Honorable Mention 2011

Walt Cunningham Educational Award scholarship to attend WhaleFest in Sitka, AK 2008

Kalamazoo College Biology Department Honors on biology comprehensive exams 2008

Kalamazoo College Biology Department Diebold Award 2008

Kalamazoo College Biology Department Robert Byzdal Prize 2008

National Park Service On the Spot Award. 2007

COURSES TAUGHT

I specialize in developing original research designed for dual-enrollment students, Alaska Native, and rural Alaska students. I focus particularly innovative solutions for active learning distance delivery.

Marine Studies Capstone University of Alaska Fairbanks. **2026**

Introduction to Biological Research Techniques II University of Alaska Southeast. Sitka, AK 2023 - 2024
UAS Rural Alaska Students in One-Health Research (RASOR)

One Health Perspectives Marine Mammals of Alaska University of Alaska Southeast, Nome, AK 2022
Nome Jumpstart Program

Introduction to Biological Research Techniques I University of Alaska Southeast. Sitka, AK 2020 - **2026**
UAS Rural Alaska Students in One-Health Research (RASOR) (virtual)
Various projects

Entering Research: Undergraduate Research Experience. University of Alaska Fairbanks. 2020 - 2021
With Natalia Podlutskaya and Andrew Cyr
Rural Alaska Honors Institute (RAHI) (virtual)
Students tested hypotheses about the stable isotopes of local, wild and store bought foods.

Introduction to Stable Isotopes in Research. University of Alaska Southeast 2017 - 2018
with Lauren Wild. Mt. Edgecumbe High School (Boarding School for Rural Alaska Students)
Students tested hypotheses about stable isotopes of their friends and classmates when at home and at boarding school

Current Topics in Marine Research. University of Alaska Southeast 2018 - **2025**
Sitka Whalefest / UAS Rural Alaska Students in One-Health Research (RASOR)
Students attend a science symposium,

Biological Research Practicum. University of Alaska Southeast 2019
Various projects

Biology Independent Study. University of Alaska Southeast 2019
Danny, Khor: Effects of Trickle and Mass Releases on Humpback Whale Depredation of Hatchery Salmon Fry in Southeast Alaska

Introduction to Biology Part II *Laboratory Instructor* University of Alaska Southeast. Juneau, AK 2012

GRADUATE STUDENT ADVISING

Jacob Trach, Master of Marine Studies (advisor) 2025-**present**

Rebecca Lavier, Master of Marine Studies (committee member) 2025-**present**

Jordan O'Connor, Master of Marine Studies (committee member) 2025-**present**

ORAL PRESENTATIONS (1st author only)

Chenoweth EM (Feb 2025) Community Partnership in One Health Research and Education in Southeast Alaska. College of Health Symposium: Building Community, Resilience, and Solidarity by Exploring Arctic Values. Anchorage, AK (virtual).

Chenoweth EM (Mar 2023) RASOR: Launching Researchers on Home Shores. Southeast Alaska Tribal Ocean Research Workshop, Sitka Alaska.

Chenoweth EM (Mar 2023) RASOR: Flexibility, Partnership and Place in Rural and Indigenous Education, International. One Health Conference, Fairbanks Alaska.

Chenoweth EM (Mar 2023) Panelist, "One Health Approaches to Education." One Health Conference, Fairbanks Alaska.

Chenoweth EM, Houston JJ, Straley JM (Aug 2022) Eyes in the Sky: 3D Scanning a Dead Humpback Whale with UAS Photogrammetry and Lidar Biennial Conference on the Biology of Marine Mammals, Tampa, FL. Speed Talk.

Chenoweth EM (2021) Rural Alaska Students in One Health Research: Launching Research from Home Shores. International One-Health Symposium. University of Alaska Fairbanks (virtual).

Chenoweth EM (2021) Rural Alaska Students in One Health Research: Launching Research from Home Shores. One-Health Seminar Series. University of Alaska Fairbanks, 2021 (virtual)

Chenoweth EM (2017) Humpback whale predation at salmon hatchery release sites. Alaska Fish Culturists Conference, Sitka AK.

Chenoweth EM (2016) Humpback whale predation at salmon hatchery release sites. 20th Annual Sitka Whalefest, Sitka AK.

Chenoweth EM, Straley JM, Boswell K, Friedlaender A, Reifenstuhl S. (2015) Humpback whales are preying on juvenile salmon at hatchery release sites. Biennial Conference on the Biology of Marine Mammals. San Francisco, CA.

Chenoweth EM, Straley, JM (2015) Humpback Whale Predation at Hatchery Release Sites. Alaska Sea Grant Annual Meeting. Anchorage, Alaska. Nov.

Chenoweth EM, Straley, JM (2015) Humpback Whale Predation at Hidden Falls. Northern Southeast Regional Aquaculture Association Board Meeting. Sitka, Alaska. Nov.

Chenoweth EM, Straley JM, Baker DN, Reifenstuhl S. (2015) Individual differences in humpback whale foraging behavior at salmon hatchery release sites. Alaska Marine Science Symposium. Anchorage, AK.

Chenoweth EM, Straley JM, Garrison L, Reifenstuhl S, Watson B, Gray A Modeling Humpback Whale Predation at Salmon Hatchery Release Sites. (2014) American Fisheries Society Alaska Chapter Student Symposium. Juneau, AK.

Chenoweth EM, Straley JM, McCauley AE, Sheridan T, Garrison L, Moran J, Riley H, Thrower F, Contag B (2012) Humpback Whale Predation at Salmon Enhancement Facilities. Pink and Chum Salmon Workshop. Juneau, AK.

Chenoweth EM, Straley JM, McCauley AE, Sheridan T, Garrison L, Moran J, Riley H, Thrower F, Contag B (2010) Humpback Whale Predation at Salmon Enhancement Facilities. American Fisheries Society Alaska Chapter. Juneau, AK.

POSTERS

Here I only show student projects that were presented in professional conferences. All RASOR presentations and posters can be found at https://rasor.alaska.edu/student-presentations.

* Indicates a mentored dual enrollment or undergraduate student.

Chenoweth EM, Cotter P, Lanphier K, Johnson W, Straley J. The RASOR program: Tribal research mentorships for rural Alaska youth. Alaska Marine Science Symposium. Anchorage, AK. January 26th 2026.

McCrary*, G. Zacharof, K* Cook, P. Johnson, W. **Chenoweth, EM**. Examining Biodiversity near a Potential Clam Garden in Sitka, AK. Annual American Indian Science and Engineering Society National Conference. San Antonio Texas October 3-5th 2024.

Christianson R*, Nanouk Jones S*, Everson T*, Dangel A, Cook P, Johnson W, **Chenoweth EM**. Comparison of Microplastics in Store-Bought Mussels and Locally Harvested Mussels. Alaska Marine Science Symposium. Anchorage, AK. January 30th 2024.

Dangel A, Bargmann N, Moll C, Everson T*, Simeon M*, Nanouk-Jones S*, Bahnke S*, Christianson R*, Pensley A*, Baghouri I*, Noden-Bocatch J*, Cook P, Johnson W, **Chenoweth EM**. Near ubiquity, abundance, and characteristics of microplastics in shellfish in Sitka, Alaska. Alaska Marine Science Symposium. Anchorage, AK. January 30th 2024.

Baghouri*, I., Bahnke*, S., Dangel, A. H., Cook, P. Johnson, WM, **Chenoweth, EM**. A Comparison of Microplastics in Blue Mussels in High and Low Traffic Areas. Annual American Indian Science and Engineering Society National Conference. Spokane, WA. April 25, 2023.

Williams C*, Hooge T*, Loggins R*, Seay B*, Williams A, **Chenoweth EM**. Which Gustavus community beach has blue mussels with the highest saxitoxin levels? (2021) International One-Health Conference. Fairbanks, Alaska (virtual). April 6 – 11th 2021.

Peterson M*, Djaker K*, Peterson W, **Chenoweth EM**. (2021) The Utility of a Blue Mussel Cage for Paralytic Shellfish Toxin Monitoring. International One-Health Conference. Fairbanks, Alaska (virtual).

Masterman R*, LaBounty K, **Chenoweth EM**, Goff M, Baluss G, (2020) Are sex, year, and banding station predictors of Oregon Junco wing length? Diversity Program Consortium Symposium. (virtual).

Khor D*, **Chenoweth EM**. (2019) Effects of Trickle and Mass Releases on Humpback Whale Depredation of Hatchery Salmon Fry in Southeast Alaska. Science by the Shore Whitney Marine Lab, St. Augustine, Florida. (Best poster).

Chenoweth EM, Friedlaender AS, Burrows JA, Boswell K, Straley JM. (2017) Calculating the most efficient prey patches for humpback whales. Biennial Conference on the Biology of Marine Mammals, Halifax NS, Canada.

Chenoweth EM, Straley JM, McPhee M, Wooller M, (2015) Pilot study of humpback whales that prey on hatchery-released juvenile salmon**.** Biennial Conference on the Biology of Marine Mammals, Stable Isotope Workshop. San Francisco, CA.

Chenoweth EM, Straley JM, Garrison L, Reifenstuhl S, Watson B, Gray A, Friedlaender AS, Johnston DW, Burrows J. (2014) Don't feed the whales: Humpback whale predation at Alaska's salmon hatcheries. Alaska Marine Science Symposium. Anchorage, AK.

Chenoweth EM, Straley JM, Garrison L, Reifenstuhl S, Watson B, Gray A, Friedlaender AS, Johnston DW, Burrows J. (2013) Don't feed the whales: Humpback whale predation at Alaska's salmon hatcheries. 20th Biennial Conference on the Biology of Marine Mammals. Dunedin, New Zealand.

Chenoweth EM, Gabriele CM, Hill DF (2012) Tidal influences on humpback whale habitat selection near headlands. Alaska Marine Science Symposium.

Chenoweth EM, Straley JM, McCauley AE, Sheridan T, Garrison L, Moran J, Riley H, Thrower F, Contag B (2011) Humpback Whale Predation at Salmon Enhancement Facilities. Alaska Marine Science Symposium. Anchorage, AK.

Chenoweth EM, Gabriele CM, Hill DF (2009) Tidal influences on humpback whale habitat selection near headlands. 18th Biennial Conference on the Biology of Marine Mammals, Quebec, QC, Canada.

SERVICE

Sitka State of the Sound 2025 **- 2026**
Co-planned, co-hosted and presented the first place-based community science and knowledge sharing event.

NIH Science Education Partnership Award (SEPA) Review panel. Ad hoc reviewer **2024**

SCIENCE OUTREACH

Sitka State of the Sound **2026**

Featured co-Talk "Around the Sound in 365 days" with Lauren Bell and Lauren Wild
Poster: Nutrients and Mercury in Sitkans' Fishy Diets
Poster: Sitka Long-term Datasets

AISES Fair (Virtual) 2024-**2025**
Co-planned and co-hosted

H.S. National Ocean Science Bowl Southeast AK Region Unofficial Competition Coordinator 2016, 2018 - **2025**

4D Virtual Whale Necropsy 2021
Conceived and produced an online necropsy experience using annotated 3D scans of a dead humpback whale during the necropsy process. Funded by the UAF BLaST program.
https://sites.google.com/alaska.edu/virtual-necropsy/home

Assistant Producer and Writer: Whales in the Wild Video 2020
https://www.youtube.com/watch?v=79M-Qd35b7w

Whale Math: How High School Trigonometry Helps Us Study Whales
Vashon Public High School. Vashon, WA (virtual) 2020

Invited Speaker

Sitka WhaleFest, Annual Community Science Festival	Sitka, AK	Nov 2016
Craig Whalefest, Annual Community Science Festival	Craig, AK	2012, 2019

Created a 50+ piece phylogenetically accurate mobile 2018
On display in the University of Alaska Southeast main atrium and used it teach phylogenetics.

Gustavus School. Gustavus, AK	2016
Tikigak School. Pt. Hope, AK	2015
St. Paul Island School. St. Paul, AK. Bering Sea Days and Summer Science Camp	2015

Energy in Action Lesson
Developed a 3 day lesson as part of the Scientists in the Schools Program where students do a calorimetry lab and visualize biologging data to examine foraging behavior.

Angoon High School. Angoon, AK	2014
Tenakee Springs, AK (video conferencing)	2014
Mt. Edgecumbe High School. Sitka, AK	2014 - 2019

Founder and coordinator *WhaleFest Film Fest.* 2013 - 2015
A free public screening for amateur and independent filmmakers about marine research in Alaska, an official event of Sitka WhaleFest.

H.S. National Ocean Sciences Bowl Coach Sitka Sound Science Center 2010-2011

SCIENCE JOURNALISM AND WRITING

Chenoweth EM (2021) Experience a 4D Whale Necropsy from the Comfort of your Computer. Alaska Marine Mammal Stranding Newsletter Fall: 24–26. https://www.fisheries.noaa.gov/resource/document/alaska-region-marine-mammal-stranding-network-newsletters

Chenoweth, EM "Alaska Programme launches research careers from home shores." World Wildlife Foundation The Circle. World Wildlife Foundation Arctic Program. July 13, 2020 <https://arcticwwf.org/newsroom/the-circle/a-new-deal-for-the-arctic/alaska-programme-launches-research-careers-from-home-shores/>

Waldholz R, Chenoweth EM (2015) "Humpbacks and the Endangered Species Act: A deep dive" [4-part radio series].

<http://www.kcaw.org/2015/01/06/humpbacks-and-the-endangered-species-act-a-series/>
Aired in full on KCAW Raven Radio in Sitka.
Abbreviated segments aired on *Alaska News Nightly*.

Chenoweth, EM "Scientists look for ways to kill Sitka tunicate"
<http://www.kcaw.org/2012/09/24/scientists-look-for-ways-to-eradicate/>
KCAW Raven Radio. Sitka, Alaska. Sept 24, 2012
Alaska Public Radio Network. Statewide Alaska. *Sept 27, 2012*
Alaska Fisheries Report. Oct 5, 2012

Chenoweth, EM "Goat DNA inspires Tlingit weaver" *KCAW Raven Radio.* Sitka, AK July 23, 2012.
<http://www.kcaw.org/2012/07/23/goat-dna-inspires-tlingit-weaver/>

Chenoweth, EM "Sitka Intertidal Sites Longtime Study Spots" *Daily Sitka Sentinel.* August 16, 2012.

Chenoweth, EM "Otter study to examine habitat differences in Southeast" *KCAW Raven Radio.* Sitka, AK. June 29, 2012
<http://www.kcaw.org/2012/06/29/otter-study-to-examine-habitat-differences-in-southeast>

PRESS COVERAGE

Documentary Film:
PBS. (2023). *Evolution Earth: Episode 1* [TV series]. PBS.

Articles:
Alaska Fisheries Science Center (July 16, 2025) "First Bowhead Whale Sighting in Southeast Alaska" NOAA Fisheries News. Retrieved 9/12/2025 from https://www.fisheries.noaa.gov/feature-story/first-bowhead-whale-sighting-southeast-alaska

Shaw, D. M. (2025, Spring). *Who wants to look at a dead whale?* Coastwatch, North Carolina Sea Grant. Retrieved June 30, 2025, from https://ncseagrant.ncsu.edu/coastwatch/who-wants-to-look-at-a-dead-whale/

Rose, K. (2024, April 15) Possible Bowhead whale sighting in Sitka Sound raises questions. *KCAW Raven Radio* Retrieved June 30, 2025, from https://www.kcaw.org/2021/12/06/whale-researchers-partner-with-drone-pilot-to-develop-virtual-necropsy/

Zigmund, D. (2021, December 30). To the rescue: Volunteers stand ready to help stranded marine animals. *Juneau Empire*. Retrieved June 30, 2025, from https://www.juneauempire.com/news/to-the-rescue-volunteers-stand-ready-to-help-stranded-marine-animals/

KCAW News Whale researchers partner with drone pilot to develop virtual necropsy (2021) *KCAW Raven Radio.* Retrieved June 30, 2025 form https://www.kcaw.org/2021/12/06/whale-researchers-partner-with-drone-pilot-to-develop-virtual-necropsy/

Yin, S. (2017, July 13). Humpback whales feed on hatchery-released juvenile salmon in Alaska. *The New York Times.* Retrieved June 30, 2025, from https://www.nytimes.com/2017/07/12/science/humpback-whales-salmon-alaska.html?_r=0

Nistoroiu, A. Whales sneak into shallow water to eat salmon from hatcheries. (2017, July 12). *New Scientist*. Retrieved June 30, 2025, from https://www.newscientist.com/article/2140340-whales-sneak-into-shallow-water-to-eat-salmon-from-hatcheries/

Podcast Appearances:
Rohlicek, E**.** (2022, November). *Science outreach in rural Alaska with Ellen Chenoweth* (No. 26) [Audio podcast episode]. In Below the Tide. Buzzsprout.https://www.buzzsprout.com/1939530/episodes/11757212-ep-26-science-outreach-in-rural-alaska-with-ellen-chenoweth

Goff, M. [Multiple appearances.] (2015-2022) [Audio podcast episodes]. *Sitka Nature Show*. Retrieved June 30, 2025, from https://www.sitkanature.org/?s=Ellen+Chenoweth

PROFICIENCIES

Data Analysis

I process and analyze data using bomb calorimetry, stable isotope analysis, accelerometer visualization with ***Trackplot*,** hydroacoustic data analysis (***Echoview***), frequentist regression (linear models, GLM, GAM, hoteling models, including work with dependent data and zero-inflated data), deterministic modeling, economic modeling, and Leslie Matrix analysis. Coding original statistical analysis, process simulation and data management in ***R***. Data analysis with ***Matlab.*** Symbolic Regression with ***Eureqa***. I am also proficient in **ArcGIS** and **MapSource.**

Coding example:

Chenoweth, Ellen et al. (2020), Confronting assumptions about prey selection by lunge-feeding whales using a process-based model, Dryad, Dataset, https://doi.org/10.5061/dryad.7sqv9s4r0

3-day Echoview Analysis Workshop. San Diego, CA.	June 2013
CATS Tag Data Processing Toolkit Workshop (virtual)	Nov 2020

Field Research

Acousonde animal-borne tag deployment, hydroacoustics, biopsy sampling (rifle and crossbow), photographic identification, CTD deployment, prey sampling, behavioral observation, vessel operation and maintenance. I have conducted research at sea during at least eight multiday cruises in Southeast and Southcentral Alaska in nearshore and offshore waters as well as 50+ day trips. I also assist with remote necropsies accessed by float planes or Coast Guard flyovers and the necropsies or sample collection from a harbor porpoise, killer whale, three humpback whales, two sea lions, a gray whale and a sea otter.

NOAA Marine Mammal Stranding Network. Volunteer Gustavus, AK; Sitka, AK & Juneau, AK	2007 – **present**
University of Alaska Southeast Small Vessel Operator Course	2019
University of Alaska Southeast Outboard Motor Maintenance	2019
NOAA Water Ditching and Survival	2023
NOAA Large Whale Entanglement Response Training	2023

Indigenous Perspectives and Community Collaboration

University of Alaska Fairbanks Indigenous Cultures of Alaska (3 credit)	2019
University of Alaska Southeast Introduction to Tlingit (1 cred course)	2020, 2023
First Alaskans Institute Alaska Native Dialogues on Racial Equity Project Description.	**2022**
Sealaska Heritage Institute High School STEAM Institute Community of Practice	2024 - **present**
Sitka Sound Science Center Researching With CaRE Workshop	2025

Broadening Participation in Education

Racial Equity Consultants LLC. Racial Equity Team Training.	2018
Harvard Graduate School of Education. Ensuring Equitable Student Success Course.	2020

Permit Management

NOAA marine mammal permit application and permit reporting

IACUC and IRB application and permit reporting

Alaska Department of Fish and Game collection permit application and reporting

Languages

Spanish (Advanced). Study Abroad 2005- 2006 in Oaxaca, Mexico.

Journalism

Sitka Sound Science Center. Science Multimedia Journalism Intern.	2012

Pedagogy

Quality Matters. Quality Matters Online Training	**2025**

PERMITED FIELDWORK

Marine Mammal Research Field Procedures

I am NOAA fisheries permitted as a co-Investigator in Alaska Waters (NOAA Fisheries #18529) for the following

Vessel operation: unsupervised

I have operated vessels around over 1000s of marine mammals in Alaskan waters including seals, sea lions, humpback whales, minke whales, harbor porpoises, killer whales and sea otters since 2007.

Biopsy Sampling: expert

I have deployed suction cup tags on two humpback whales and assisted with tagging efforts adding up to approximately 28 days of tagging on different trips resulting in deployments on over 15 different animals

Suction-cup tagging: unsupervised

I have deployed passive acoustic recorders (animal-borne tags on whales or autonomously) to record whale sounds of a few occasions

Acoustic, sonar for prey mapping: unsupervised

I have operated vessels around over 1000s of marine mammals in Alaskan waters including seals, sea lions, humpback whales, minke whales, harbor porpoises, killer whales and sea otters since 2007.

Observation or behavior monitoring: expert

I have operated vessels around over 1000s of marine mammals in Alaskan waters including seals, sea lions, humpback whales, minke whales, harbor porpoises, killer whales and sea otters since 2007.

Photograph/Video photo Identification: expert

I have operated vessels around over 1000s of marine mammals in Alaskan waters including seals, sea lions, humpback whales, minke whales, harbor porpoises, killer whales and sea otters since 2007.

Collect, remains for predation study: expert

I have collected live and dead prey from humpback whales and other marine mammals.

Responsible Conduct of Research expires 2029

Offered by UAF BLaST Program required by National Institutes of Health