

PROFESSIONAL EXPERIENCE

- 2025 – present Assistant Professor, Department of Fisheries, College of Fisheries and Ocean Sciences, University of Alaska Fairbanks
- 2024 – 2025 Postdoctoral Scholar, Marine Mammal Institute, Oregon State University
- 2018 – 2019 Guest Investigator, Biology, Woods Hole Oceanographic Institution

EDUCATION

- 2023 PhD Marine Biology, University of Alaska Fairbanks, College of Fisheries and Ocean Sciences
- 2023 Graduate Certificate in Statistics, University of Alaska Fairbanks
- 2014 B.A. Political Science, Minor in Chinese Language and Literature, Middlebury College

PUBLICATIONS

- Myers, H.J.**, Olsen, D.W., Van Cise, A., Wells, A., Parsons, K., & Matkin, C.O. 2025. The diverse diet of southern Alaska resident killer whales shifts across spatiotemporally distinct foraging hotspots. *Ecosphere*, **16**(12), e70509, doi.org/10.1002/ecs2.70509.
- Luck, E., **Myers, H.**, & Criddle, K.R. A global review of operational fishery interactions with killer whales (*Orcinus orca*): dynamics, impacts, and management strategies. *Frontiers in Marine Science*, **12**, doi.org/10.3389/fmars.2025.1629516.
- Palmer, K.J., Cummings, E., Dowd, M.G., Frasier, K., Frazao, F., Harris, A., Houweling, A., Kanes, J., Kirsebom, O.S., Klinck, H., LeBlond, H., Laturnus, L., Matkin, C., Murphy, O., **Myers, H.**, Olsen, D., O'Neill, C., Padovese, B., Pilkington, J., Quayle, L., Riera Vuibert, A., Trounce, K., Vagle, S., Veirs, S., Veirs, V., Wladichuk, J., Wood, J., Yack, T., Yurk, H., & Joy, R. 2025. A public dataset of annotated *Orcinus orca* acoustic signals for detection and ecotype classification. *Scientific Data*, **12**, 1137. <https://doi.org/10.1038/s41597-025-05281-5>
- Myers, H.J.**, Olsen, D.W., Konar, B.H., Whitney, A., Birch, K., Dugan, P., Mueter, F., Guazzo, R., Horstmann, L.H., Matkin, C.O. 2025. Killer whale call detection rates vary among ecotypes and populations in the North Pacific. *Scientific Reports*, **15**, 21072. <https://doi.org/10.1038/s41598-025-06041-6>
- Myers, H.J.**, Olsen, D.W., Matkin, C.O., Horstmann, L.A., and Konar, B. 2021. Passive acoustic monitoring of killer whales (*Orcinus orca*) reveals year-round distribution and residency patterns in the Gulf of Alaska. *Scientific Reports* **11**, 20284. <https://doi.org/10.1038/s41598-021-99668-0>
- Myers, H.J.** and Moore, M.J. 2020. Reducing effort in the U.S. American lobster (*Homarus americanus*) fishery to prevent North Atlantic right whale (*Eubalaena glacialis*) entanglements may support higher profits and long-term sustainability. *Marine Policy* **118**, 104017. <https://doi.org/10.1016/j.marpol.2020.104017>
- Myers, H.J.**, Moore, M.J., Baumgartner, M.F., Brilliant, S.W., Katona, S.K., Knowlton, A.R., Morissette, L., Pettis, H.M., Shester, G., and Werner, T.B. 2019. Ropeless fishing to prevent large whale entanglements: Ropeless Consortium report. *Marine Policy* **107**, 103587. <https://doi.org/10.1016/j.marpol.2019.103587>

SELECTED GRANTS

- 2025 – 2027 NOAA Fisheries Bycatch Reduction Engineering Program (\$197,515). H Myers (Principal Investigator), J. Gauvin, B. Concepcion, S. Webster. *Developing gear modifications to reduce killer whale bycatch in the Bering Sea and Aleutian Islands Amendment 80 groundfish trawl fishery*.

- 2024 – 2026 Cooperative Institute for Marine Ecosystem and Resources Studies – NOAA Fisheries Alaska Regional Office Protected Resources (\$145,515). H. Myers (Principal Investigator), J. Gauvin, B. Concepcion, S. Webster. *Killer whale behavior around Amendment 80 trawl vessels and gear modifications to reduce bycatch risk.*
- 2024 – 2025 Pollock Conservation Cooperative Research Center (\$45,438). H. Myers (Principal Investigator), J. Gauvin, B. Concepcion, S. Webster. *Investigating killer whale behavior and gear modifications to reduce bycatch in Bering Sea and Aleutian Islands non-pelagic trawl fisheries.*

SELECTED RESEARCH PRESENTATIONS

- Myers, H. Westley, P., Seitz, A., Oke, K., Cunningham, C., Olsen, D., Matkin, C. Killer whales appear to respond to, rather than drive, the decline in Chinook salmon age at maturity, Alaska Marine Science Symposium, Anchorage, AK, USA, January 2026.
- Myers, H. and Nelson, J. Collaborative research to keep killer whales out of trawl nets. **Invited presentation**, Marine Resources Education Program, Kodiak, AK, USA, May 2025.
- Myers, H., Webster, S., Gauvin, J., Concepcion, B. Reducing killer whale bycatch in the Amendment 80 trawl fishery: Lessons learned and the path ahead. Alaska Marine Science Symposium, Anchorage, AK, USA, Jan 2025.
- Myers, H., Gauvin, J., Concepcion, B., Webster, S. Gear modifications to reduce killer whale bycatch in the Bering Sea deep-water flatfish trawl fishery. Society for Marine Mammalogy Biennial Conference, Perth, Australia, Nov 2024.
- Myers, H. Killer whale bycatch in the Amendment 80 trawl fishery: Progress in 2024 and upcoming work. **Invited talk**, Marine Mammal Commission, online, Oct 2024.
- Myers, H., B. Konar, D. Olsen, T. Margolina, F. Mueter, R. Guazzo, L. Horstmann, and C. Matkin. Four years of daily acoustic group size estimates of fish-eating and mammal-eating killer whales in the Gulf of Alaska. Oral presentation, Workshop on Detection, Classification, Localization, and Density Estimation of Marine Mammals using Passive Acoustics, Rotterdam, the Netherlands, Jun 2024.
- Myers, H. Reducing killer whale bycatch in the Bering Sea deep-water flatfish fishery. Invited talk, Alaska Marine Policy Forum, online, Jul 2024.
- Myers, H., B. Konar, D. Olsen, T. Margolina, F. Mueter, R. Guazzo, L. Horstmann, and C. Matkin. Four years of daily acoustic group size estimates of fish-eating and mammal-eating killer whales in the Gulf of Alaska. Oral presentation, Workshop on Detection, Classification, Localization, and Density Estimation of Marine Mammals using Passive Acoustics, Rotterdam, the Netherlands, Jun 2024.
- Myers, H., Olsen, D., Matkin, C., and Konar, B. "How much do killer whales call? Quantifying calling rates for passive acoustic density estimation." Alaska Marine Science Symposium, Anchorage, AK, Jan 2023.
- Myers, H. "Implications of effort reduction on cetacean bycatch, fisheries economics, and yields." **Invited talk**, International Whaling Commission Scientific Committee sub-committee on human-induced mortality, online, May 2022.

SELECTED FIELD RESEARCH

- 2025 Evaluating feasibility of distributed acoustic sensing for detecting bowheads in the Arctic
- 2023 – present Reducing killer whale bycatch in the Bering Sea Amendment 80 trawl fishery: killer whale behavioral observations during commercial fishing, including acoustic recording and photo-identification
- 2019 – present Long-term killer whale monitoring in Prince William Sound and Kenai Fjords: Co-lead collaborative project including acoustic, photo-identification, and diet research.
- 2018 North Atlantic right whale health and population monitoring: assisted with body condition assessment, blow hormone sampling, photo-identification in Cape Cod Bay