ROBERT J. FOY – *Curriculum Vitae*

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EDUCATION

1996-2000. Doctor of Philosophy (2000), **Oceanography**, University of Alaska Fairbanks. *Juvenile Pacific herring (Clupea pallasi) feeding ecology in Prince William Sound, Alaska.*

1993-1996. Master of Science (1996), **Fisheries**, University of Alaska Fairbanks. *Seasonal proximate composition and food source comparisons of Dolly Varden char in the Kugururok River, Alaska.*

1989-1993. Bachelor of Science (1993), **Biology**, University of Michigan.

PROFESSIONAL EXPERIENCE

Director - November 2018 to current. Alaska Fisheries Research Center. Science and Research Director – Alaska Region. NOAA Fisheries, Department of Commerce.

Director - May 2007 to November 2018. Kodiak Laboratory. Alaska Fisheries Research Center. NOAA Fisheries, Department of Commerce.

Program Manager - May 2007 to November 2018. Shellfish Assessment Program. Alaska Fisheries Research Center. NOAA Fisheries, Department of Commerce.

Assistant Professor - July 2000 to May 2007. School of Fisheries and Ocean Sciences, University of Alaska Fairbanks, Kodiak, Alaska.

Research Associate - August 1999 to July 2000. Institute of Marine Science, School of Fisheries and Ocean Sciences, University of Alaska Fairbanks, Fairbanks, Alaska.

Graduate Research Assistant - August 1993 to August 1999. Institute of Marine Science, School of Fisheries and Ocean Sciences, University of Alaska Fairbanks, Fairbanks, Alaska.

Research Assistant - May 1992 to June 1993. University of Michigan, Ann Arbor, Michigan.

Undergraduate Laboratory Assistant - August 1991 to May 1992. University of Michigan, Ann Arbor, Michigan.

COURSES TAUGHT

Acoustic Biomass Estimation
Environmental Science/Oceanography
Fish Bioenergetics
Marine Bio-physical Interactions
Nonparametric Statistics

GRADUATE STUDENT RESEARCH (9 Chair, 9 Committee, 4 Undergraduate, 1 Post-doc)

- Assessing juvenile sockeye salmon (*Oncorhynchus nerka*) energy densities and habitat quality in the Chignik watershed, Alaska.
- Investigating the trophic role of arrowtooth flounder (*Atheresthes stomias)*, as a top level consumer, in the Gulf of Alaska ecosystem.
- Summer distribution and habitat characteristics of fin whales and humpback whales in Steller sea lion critical habitat off northeast Kodiak Island, 2002-2003.
- Seasonal distribution, abundance, and characteristics of pelagic fish habitat in bays of Kodiak Island, Alaska.
- Interannual and seasonal zooplankton community composition near Kodiak Island, Alaska.
- Spatial variability in trophic level of spiny dogfish (*Squalus acanthias*) in the northeastern Pacific Ocean using stable isotope analysis.
- Material and energy transfer from marine zooplankton to forage fish in subarctic waters: dietary effects on forage fish body composition.

- Defining a trophic isoscape for food webs in the western Gulf of Alaska.
- Pacific sleeper shark ecological interactions.
- Spawning habitat characteristics of Pacific herring (*Clupea pallasi*) in Prince William Sound, Alaska.
- The ecology of eulachon (*Thaleichthys pacificus*) in twentymile river, Alaska.
- Abundance and feeding ecology of humpback whales (*Megaptera novaeangliae*) in Kodiak, Alaska.
- Paralytic shellfish poisoning: the relationship between *Alexandrium* abundance and PSP toxins on Kodiak Island, Alaska.
- Interrelationships among temperature, metabolism, and swimming performance in Pacific cod (*Gadus macrocephalus*): implications of climate change. Expected MS completion: December 2006.
- Physical and biological effects on the vertical distribution of walleye pollock (Theragra chalcogramma) in Alaska.
- Tufted puffins as biological indicators of forage fish availability in the Western Gulf of Alaska.
- Trophic ecology and genetics of eastern Bering Sea shark bycatch.
- Population discreteness, and the spawning habitat selection and migratory behavior of eulachon (*Thaleichthys pacificus*) in Alaska.
- Natural predation on tanner crab (*Chionoecetes bairdi*) around Kodiak Island, Alaska: implications for stock management.
- Distribution of pelagic fishes related to oceanographic variables in the western Gulf of Alaska.
- Seasonal energy density changes in the prey of Steller Sea Lions (*Eumetopias jubatus*).
- Fisheries oceanography of Portlock Bank.
- Seasonal and geographic variation in condition of juvenile walleye pollock in the Western Gulf of Alaska.
- Fish tagging, acoustic biomass estimation, temporal and spatial correlations between forage species distribution and environmental conditions.

PROFESSIONAL SERVICE

2021-current. Executive Board Member. Oregon State University – Cooperative Institute for Marine Ecosystem and Resources Studies.
2020-current. Advisory Council Member. University of Alaska – College of Fisheries and Ocean Sciences.
2019-current. Board Member. Alaska Ocean Observing System.
2021. Session Chair. Multiple Stressors in the Marine Ecosystems. Alaska Marine Science Symposium. January 26, 2021.
2010-2015. Scientific Advisor. Alaska Marine Conservation Council.
2010 –2015. Member. International Union for Conservation of Nature: Shark Specialist Group - Northeast Pacific.
2011-2018. Chair. North Pacific Fisheries Management Council – Bering Sea Crab Plan Team.
2007-2011. Member. North Pacific Fisheries Management Council – Bering Sea Crab Plan Team.
2010-2018. Member. Kodiak Island Borough Fisheries and Oceanic Research Board.
2007-2019. Member. Alaska Cooperative Research, Rehabilitation, and Biology Program Steering Committee.
2007-2019. Member. Alaska Cooperative Research, Rehabilitation, and Biology Program Science Committee.
2012. Session Chair. Crab biology and ecology. American Fisheries Society – Alaska Chapter Annual Meeting. Kodiak, Alaska. October 23-25, 2012.
2012. Session Chair. Interagency Crab Meeting. December 13-15, 2012.
2011. Session Chair. Fisheries Ecology. Kodiak Alaska Marine Science Symposium. April 20-23, 2011.
2003-2010. Member. North Pacific Fisheries Management Council – Bering Sea Groundfish Plan Team.
2003. Session Chair. Site specific studies of Prey, Predators, Oceanography, and Fishing Effects. Marine Science in the Northeast Pacific: Science for Resource-Dependent Communities. Alaska Marine Science Symposium. Anchorage, Alaska. January 13-17, 2003.

Peer review manuscript/proposal reviews

Fisheries Research, ICES Journal of Marine Science, Fisheries Oceanography, Marine Ecology Progress Series, Alaska Fishery Research Bulletin, Alaska Sea Grant, Canadian Journal of Fisheries and Aquatic Sciences, Fish Congress, Fishery Bulletin, Journal of Experimental Marine Biology and Ecology, Journal of Fish Biology, Journal of Crustacean Biology, NOAA Undersea Research Program, Transactions of the American Fisheries Society, Ecological Applications, National Science Foundation, North Pacific Research Board, Oil Spill Recovery Institute, Prince William Sound Science Center, Saltonstall-Kennedy

PUBLICATIONS (Peer-reviewed articles, Technical memos)

Szuwalski, C. W. Cheng, R. Foy, A. Hermann, A. Hollowed, K. Holsman, J. Lee, W. Stockhausen, J. Zheng. 2021. Climate change and the future productivity and distribution of crab in the Bering Sea. ICES Journal of Marine Science. 78(2): 502–515. https://doi.org/10.1093/icesjms/fsaa140.

Dickinson, G.H., S. Bejerano, T Salvador, C Makdisi, S. Patel, W. Long, K. Swiney, R.J. Foy, B. Steffel, K. Smith, R. Aronson. 2021. Ocean acidification alters properties of the exoskeleton in adult Tanner crabs, Chionoecetes bairdi. J Exp Biol 224 (3): jeb232819.

Link, J.S., F. Werner, K. Werner, J. Walter, M. Strom, M. Seki, F. Schwing, J. Rusin, C. Porch, K. Osgood, K. Moline, R. Methot, P. Lynch, D. Lipton, K. Koch, E. Howell, J. Hare, R. J. Foy, D. Detlor, L. Desfosse, J. Crofts, and N. Cabana. 2021. Canadian Journal of Fisheries and Aquatic Sciences. 78(1). https://doi.org/10.1139/cjfas-2020-0346.

Long, W.C., Swiney, K.M. & Foy, R.J. Effects of ocean acidification on young-of-the-year golden king crab (Lithodes aequispinus) survival and growth. 2021. Mar Biol 168, 126. https://doi.org/10.1007/s00227-021-03930-y

Rosen M., K. Baran, J. Sison, B. Steffel, W. Long, R. Foy, K. Smith, R. Aronson, G. Dickinson. 2020. Mechanical Resistance in Decapod Claw Denticles: Contribution of Structure and Composition. Acta Biomaterialia. 110: 196-207. ISSN 1742-7061. https://doi.org/10.1016/j.actbio.2020.04.037.

Stillman, J., Fay, S., Ahmad, S., Swiney, K., & Foy, R. 2020. Transcriptomic response to decreased pH in adult, larval and juvenile red king crab, Paralithodes camtschaticus, and interactive effects of pH and temperature on juveniles. Journal of the Marine Biological Association of the United Kingdom, 100(2), 251-265. doi:10.1017/S002531541900119X

Punt A.,M. Dalton, R. J. Foy. 2020. Multispecies yield and profit when exploitation rates vary spatially including the impact on mortality of ocean acidification on North Pacific crab stocks. Fisheries Research. 225. ISSN 0165-7836, https://doi.org/10.1016/j.fishres.2019.105481.

Long, W., P. Pruisner, K. Swiney, R. Foy. 2020. Effects of ocean acidification on the respiration and feeding of juvenile red and blue king crabs (*Paralithodes camtschaticus* and *P. platypus*). ICES Journal of Marine Science. 76(5):1335-1343. DOI: 10.1093/icesjms/fsz090

Sigler, M. F., J. N. Cross, M. G. Dalton, R. Foy, T. P. Hurst, W. C. Long, K. Nichols, I. Spies, and R. P. Stone. 2017. NOAA's Alaska ocean acidification research plan for FY18-FY20. Alaska Fisheries Science Center, NOAA, National Marine Fisheries Service, 7600 Sand Point Way NE, Seattle WA, 98115. AFSC Processed Report 2017-10: 71. Doi: 10.7289/v5/afsc-pr-2017-10.

Coffey, W. D., J. A. Nardone, A. Yarram, W. C. Long, K.M. Swiney, R. J. Foy, G. H. Dickinson. 2017. Ocean acidification leads to altered micromechanical properties of the mineralized cuticle in juvenile red and blue king crabs. Journal of Experimental Marine Biology and Ecology. 495: 1-12.

Swiney, K.M., W.C. Long, and R.J. Foy. 2017. Decreased pH and increased temperatures affect young-of-the-year red king crab (*Paralithodes camtschaticus*). ICES Journal of Marine Science, 74(4): 1191-1200.

Long, W. C., S. B. Van Sant, K. M. Swiney, and R. J. Foy. 2017. Survival, growth, and morphology of blue king crabs: effect of ocean acidification decreases with exposure time. ICES Journal of Marine Science, 74(4): 1033-1041.

Meseck, S.L., J. H. Alix, K. M. Swiney, W. C. Long, , G. H. Wikfors, and R. J. Foy. 2016. Ocean acidification affects hemocyte physiology in the Tanner crab (*Chionoecetes bairdi*). PloS one, 11(2), e0148477.

Punt, A. E., R. J. Foy, M. G. Dalton, W. C. Long, and K. M. Swiney. 2016. Effects of long-term exposure to ocean acidification conditions on future southern Tanner crab (*Chionoecetes bairdi*) fisheries management. ICES Journal of Marine Science, 73(3), 849-864.

Long, W.C., K. M. Swiney, and R. J. Foy. 2016. Effects of high pCO_2 on Tanner crab reproduction and early life history, Part II: carryover effects on larvae from oogenesis and embryogenesis are stronger than direct effects. ICES Journal of Marine Science, 73(3), 836-848.

Swiney, K. M., W. C. Long, and R. J. Foy. 2016. Effects of high pCO2 on Tanner crab reproduction and early life history—part I. ICES Journal of Marine Science, 73(3), 825-835.

Daly, B, C.E. Armistead, Foy, R.J. 2016. The 2016 eastern Bering Sea continental shelf bottom trawl survey: Results for commercial crab species. NOAA Technical Memorandum NMFS-AFSC-327. 167 Pp.

Seung, Chang K., M.G. Dalton, A. Punt, D. Poljak, R. Foy. 2015. Economic impacts of changes in an Alaska crab fishery from ocean acidification. Climate Change Economics. 6(4):1550017; 35 Pp.

Daly, B, C.E. Armistead, Foy, R.J. 2015. The 2015 eastern Bering Sea continental shelf bottom trawl survey: Results for commercial crab species. NOAA Technical Memorandum NMFS-AFSC-308. 167 Pp.

Sigler, M. F., T. P. Hurst, M. G. Dalton, R.J. Foy, J. T. Mathis, and R.P. Stone. 2015. NOAA's Alaska Ocean Acidification Research Plan for FY15-FY17. Alaska Fisheries Science Center Processed Rep. 2015-02, 59 p. Alaska Fisheries Science Center, NOAA, National Marine Fisheries Service, 7600 Sand Point Way NE, Seattle WA 98115.

Marsh, J., R.J. Foy, N. Hillgruber, and G. Kruse. 2015. Variability in the trophic levels of four commercially important species in the Gulf of Alaska. Fisheries Research. 165: 100-114.

Daly, B, C.E. Armistead, Foy, R.J. 2014. The 2014 eastern Bering Sea continental shelf bottom trawl survey: results for commercial crab species. NOAA Technical Memorandum NMFS-AFSC-282. 167 p.

Daly, B, C.E. Armistead, Foy, R.J. 2014. The 2013 eastern Bering Sea continental shelf bottom trawl survey: results for commercial crab species. NOAA Technical Memorandum NMFS-AFSC-295. 166 p.

Punt, A.E., D. Poljak, M. Dalton, and R.J. Foy. 2014. Evaluating the impact of ocean acidification on fishery yields and profits: The example of red king crab in Bristol Bay. Ecological Modelling. 285: 39-53.

Somerton, D., S. Goodman, R.J. Foy, L. Rugolo, and L. Slater. 2013. Growth per molt of snow crab (*Chionoecetes opilio*) in the eastern Bering Sea. North American Journal of Fisheries Management. 33(1), 140-147.

Long, C.W., K.M. Swiney, C. Harris, H. Page, and R.J. Foy. 2013. Effects of ocean acidification on juvenile red king crab (*Paralithodes camtschaticus*) and Tanner crab (*Chionoecetes bairdi*). PLoS ONE 8(4): e60959. doi:10.1371/journal.pone.0060959.

Long, C.W., K.M. Swiney, and R.J. Foy. 2013. Effects of Ocean acidification on embryos and larvae of red king crab, *Paralithodes camtschaticus*. Marine Pollution Bulletin. 69: 38-47.

Foy, R. J., M. Carls, M. Dalton, T. Hurst, W. C. Long, D. Poljak, A. E. Punt, M. F. Sigler, R. P. Stone, K. M. Swiney. 2013. CO_2, pH, and anticipating a future under ocean acidification. Onchorhynchus XXXIII:1-5.

Foy, R.J. and C.E. Armistead. 2013. The 2012 eastern Bering Sea continental shelf bottom trawl survey: results for commercial crab species. NOAA Technical Memorandum NMFS-AFSC-2317. 147 Pp.

Marsh, J. N. Hillgruber, R.J. Foy. 2012. Temporal and ontogenetic variability in trophic role of four groundfish species: walleye pollock, Pacific cod, arrowtooth flounder, and Pacific halibut, around Kodiak Island in the Gulf of Alaska. Transactions of the American Fisheries Society. 141(2): 468-486.

Courtney, D.L. and R.J. Foy. 2012. Pacific sleeper shark, *Somniosus pacificus*, trophic ecology in the eastern North Pacific Ocean inferred from nitrogen and carbon stable isotope ratios and diet. Journal of Fish Biology. 80: 1508–1545.

Chilton, E.A., C.E. Armistead, and R.J. Foy. 2012. The 2011 eastern Bering Sea continental shelf bottom trawl survey: results for commercial crab species. NOAA Technical Memorandum NMFS-AFSC-2124. 150 Pp.

Chilton, E.A., R.J. Foy, and C.E. Armistead. 2011. Temperature effects on assessment of red king crab in Bristol Bay, Alaska, p. 249-263. In Kruse, G. H., G. L. Eckert, R. J. Foy, R. N. Lipcius, B. Sainte-Marie, D. L. Stram, and D. Woodby (editors). Biology and management of exploited crab populations under climate change. Alaska Sea Grant College Program Report No. AK-SG-10-01, University of Alaska Fairbanks, AK.

Zheng, J., D. Pengilly, R. Foy, and D. Barnard. 2011. Stock assessment model evaluation for St. Matthew blue king crab, p. 495-516. In Kruse, G. H., G. L. Eckert, R. J. Foy, R. N. Lipcius, B. Sainte-Marie, D. L. Stram, and D. Woodby (editors). Biology and management of exploited crab populations under climate change. Alaska Sea Grant College Program Report No. AK-SG-10-01, University of Alaska Fairbanks, AK.

Chilton, E.A., C.E. Armistead, and R.J. Foy. 2011. The 2010 eastern Bering Sea continental shelf bottom trawl survey: results for commercial crab species. NOAA Technical Memorandum NMFS-AFSC-216. 139 Pp.

Montes-Hugo, J.H. Churnside, R.W. Gould, R.A. Arnone, R.J. Foy. 2010. Spatial coherence between remotely sensed ocean color data and vertical distribution of lidar backscattering in coastal stratified waters. Remote Sensing of Environment. RSE-07694.

Kruse, G.H., G.L. Eckert, R.J. Foy, R.N. Lipcius, B. Sainte-Marie, D.L. Stram, and D. Woodby (editors). 2010. Biology and management of exploited crab populations under climate change. Alaska Sea Grant College Program Report No. AK-SG-10-01, University of Alaska Fairbanks, AK.

Chilton, E.A., C.E. Armistead, and R.J. Foy. 2010. The 2009 eastern Bering Sea continental shelf bottom trawl survey: results for commercial crab species. NOAA Technical Memorandum NMFS-AFSC-187. 101 Pp.

Winter, A., R.J. Foy, and K. Wynne. 2009. Seasonal differences in prey availability around a Steller sea lion haulout and rookery in the Gulf of Alaska. Aquatic Mammals. 35(2): 145-162.

Conrath C. and R. J. Foy. 2009. The distribution, stock structure, and management of spiny dogfish, *Squalus acanthias*. In V.R. Gallucci, G.A. McFarlane, G. G. Bargmann (editors), Biology and Management of Dogfish Sharks. American Fisheries Society. Bethesda, Maryland.

Andrews, A. and R. J. Foy. 2009. Geographical variation in the carbon and nitrogen stable isotope ratios of spiny dogfish in the northeastern Pacific Ocean. In V.R. Gallucci, G.A. McFarlane, G. G. Bargmann (editors), Biology and Management of Dogfish Sharks. American Fisheries Society. Bethesda, Maryland.

Witteveen, B.H., G.A.J. Worthy, R.J. Foy, K.M. Wynne. 2011. Modeling the diet of humpback whales: an approach using stable carbon and nitrogen isotopes in a Bayesian mixing model. Marine Mammal Science. 28(1): 1748-1769.

Adams, C.F., R.J. Foy, J.J. Kelley, K.O. Coyle. 2009. Seasonal changes in the diel vertical migration of walleye pollock (*Theragra chalcogramma*) in the northern Gulf of Alaska. Environmental Biology of Fishes. 86:297-305.

Chilton, E.A., C.E. Armistead, and R.J. Foy. 2008. The 2008 eastern Bering Sea continental shelf bottom trawl survey: results for commercial crab species. NOAA Technical Memorandum NMFS-AFSC-187. 85 Pp.

Gallucci, V.F., R. J. Foy, [§]S. O'Brien, A. Silva, H. Nesse, B. Langseth, N. Vega, I. Taylor, and K. Goldman. 2008. The first record of a pregnant salmon shark, *Lamna ditropis*, in the eastern North Pacific and life history implications. Journal of Fish Biology. 73:1-8.

Adams, C.F., R.J. Foy, D.S. Johnson, and K.O. Coyle. 2008. Seasonal changes in pelagic fish biomass around the Chiswell Island Steller sea lion rookery in 2003. Fisheries Research. 93: 179-185.

Chilton, E.A., L. Rugolo, C.E. Armistead, and R.J. Foy. 2008. The 2007 eastern Bering Sea continental shelf bottom trawl survey: results for commercial crab species. NOAA Technical Memorandum NMFS-AFSC-186. 85 Pp.

Sigler, M. F., R.J. Foy, J. W. Short, M. Dalton, L. B. Eisner, T. P. Hurst, J. F. Morado, and R.P. Stone. 2008. Forecast fish, shellfish and coral population responses to ocean acidification in the North Pacific Ocean and Bering Sea: An ocean acidification research plan for the Alaska Fisheries Science Center. Alaska Fisheries Science Center Processed Rep. 2008-07, 35 p.

Knoth, B. and R.J. Foy. 2008. Temporal variability in the food habits of arrowtooth flounder (Atheresthes stomias) in the western Gulf of Alaska. U.S. Department of Commerce, NOAA Technical Memorandum. NMFS-AFSC-184, 30 p.

Hanna, S. K., A. H. Haukenes, R.J. Foy, C. L. Buck. 2008. Temperature effects on metabolic rate, swimming performance and condition of Pacific cod *Gadus macrocephalus* Tilesius. Journal of Fish Biology. 72:1068-1078.

Witteveen, B., R. J. Foy, K. Wynne, and Y. Tremblay. 2008. Investigation of foraging habits and prey selection by humpback whales (*Megaptera novaeangliae)* using acoustic tags and concurrent fish surveys. Marine Mammal Science. 24(3): 516-534.

Hanna, S. K., A. H. Haukenes, R. J. Foy, and C. L. Buck. 2008. Temperature effects on recovery of Pacific cod following exhaustive exercise, p. 239-259. In G.H. Kruse, K. Drinkwater, J.N. Ianelli, J.S. Link, D.L. Stram, V. Wespestad, and D. Woodby (editors), Resiliencey of Gadid Stocks to Fishing and Climate Change. University of Alaska Sea Grant, AK-SG-08-01, University of Alaska, Fairbanks, AK.

Foy, R. J., C. A. Crapo, and D. E. Kramer. 2006. Investigating the roles of temperature and exercise in the development of chalkiness in Pacific halibut. International Pacific Halibut Technical Report Series No. 50. Seattle, Washington.

Buchheister, A., M. T. Wilson, R. J. Foy, and D. A. Beauchamp. 2006. Seasonal and geographic variation in condition of juvenile walleye pollock in the Western Gulf of Alaska. Transactions of the American Fisheries Society. 135:897-907.

Witteveen, B., R. J. Foy, and K. Wynne. 2006. The effect of predation (current and historical) by humpback whales (*Megaptera novaeangliae*) on fish abundance near Kodiak Island, Alaska. Fishery Bulletin. 104: 10-20.

Montes-Hugo, M. A., K. Carder, R. J. Foy, J. Canizzaro, E. Brown, and S. Pegau. 2005. Estimating phytoplankton biomass in coastal waters of Alaska using airborne remote sensing. Remote Sensing of Environment. 98: 481-493.

Wynne, K., and R. J. Foy. 2002. Is it food now? Gulf Apex Predator-prey study. In Steller Sea Lion Decline: Is It Food II. Eds. D. DeMaster and S. Atkinson. University of Alaska Sea Grant, AK-SG-02-02, Fairbanks, Alaska. Pp. 49-52.

Foy, R. J., and B. L. Norcross. 2001. Temperature effects on zooplankton assemblages and juvenile herring feeding in Prince William Sound, Alaska. *In* Herring: Expectations for a new millennium. Eds. F. Funk, J. Blackburn, D. Hay, A.J. Paul, R. Stephenson, R. Toresen, and D. Witherell. University of Alaska Sea Grant, AK-SG-01-04, Fairbanks. Pp. 21-36.

Lehman, J. T., R. J. Foy, and D.A. Lehman. 2001 Inverse model method for estimating assimilation by aquatic invertebrates. Aquatic Science. 63:168-181.

Norcross, B. L., E. D. Brown, R. J. Foy, M. Frandsen, S. Gay, T. C. Kline Jr., D. M. Mason, E. V. Patrick, A. J. Paul, and K. D. E. Stokesbury. 2001. A synthesis of the life history and ecology of juvenile Pacific herring in Prince William Sound, Alaska. Fisheries Oceanography. 10(supplement 1): 42-57.

Foy, R. J., and B. L. Norcross. 1999. Feeding behavior of herring (*Clupea pallasi*) associated with zooplankton availability in Prince William Sound, Alaska. Proceedings of Ecosystem Considerations in Fisheries Management. 16th Lowell Wakefield Fisheries Symposium. Anchorage, Alaska. September 30 – October 3, 1999. University of Alaska Sea Grant College Program Report No. 99-01. Pp. 129-135.

Foy, R. J., and A. J. Paul. 1999. Winter feeding and changes in somatic energy content for age 0 Pacific herring in Prince William Sound, Alaska. Transactions of the American Fisheries Society. 128: 1193-1200.
Foy, R. J., and B. L. Norcross. 1999. Spatial and temporal differences in the diet of juvenile Pacific herring (*Clupea pallasi*) in Prince William Sound, Alaska. Canadian Journal of Zoology. 77: 697-706.
Stokesbury, K.D.E., R. J. Foy, and B.L. Norcross. 1999. Spatial and temporal variability in juvenile Pacific herring (*Clupea pallasi*) growth in Prince William Sound, Alaska. Environmental Biology of Fishes. 56: 409-418.
Foy, R. J. 1998. Nearshore zooplankton. Edited by T. A. Okey and D. Pauly. Trophic mass-balance model of Alaska's Prince William Sound ecosystem, for the Post-Spill Period 1994-1996. The Fisheries Centre, University of British Columbia. 6(4): 21-22.
Okey, T. A., R. J. Foy, and J. Purcell. 1998. Carnivorous jellies. Edited by T. A. Okey and D. Pauly. Trophic mass-balance model of Alaska's Prince William Sound ecosystem, for the Post-Spill Period 1994-1996. The Fisheries Centre, University of British Columbia. 6(4):22.
Okey, T. A., and R. J. Foy. 1998. Juvenile Pacific herring. Edited by T. A. Okey and D. Pauly. Trophic mass-balance model of Alaska's Prince William Sound ecosystem, for the Post-Spill Period 1994-1996. The Fisheries Centre, University of British Columbia. 6(4):33-34.

Other publications

- G. H. Kruse, G. L. Eckert, R. J. Foy, R. N. Lipcius, B. Sainte-Marie, D. L. Stram, and D. Woodby (editors), Biology and Management of Exploited Crab Populations under Climate Change. Alaska Sea Grant Program Report AK-SG-10-01, University of Alaska, Fairbanks, AK.
- 16 stock assessments: Stock Assessment and Fishery Evaluation Report. North Pacific Fisheries Management Council. Anchorage, AK.

PRESENTATIONS

- **1993-2021: ~59 poster presentations**
- **1996-2018: ~172 oral presentations/seminars**

FIELD EXPERIENCE

Greater than 596 days at sea aboard (>50% as Chief Scientist) commercial fishing and research vessels conducting research with trawls, pots, seines, or longlines, employing hydroacoustics, zooplankton sampling, physical oceanographic data collection. Numerous surveys using fixed wing and helicopter aircraft to assess marine mammal distributions.