CMI Program Publications

Available online at:

https://www.boem.gov/newsroom/library/alaska-scientific-and-technical-publications

2022

- Haag, J. The Utility of Radium as a Tracer in a River-dominated System. Final Report, OCS Study BOEM 2022-046, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Hasan, E. Subtidal Habitat Mapping in the Cook Inlet Lease Area for Current and Predictive Sea Otter Habitat Associations. In: CMI Graduate Student Projects: Volume 5, J. Reynolds (Ed.). Final Report, OCS Study BOEM 2022-054, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Kelley, A., W. Burt, and J. Haag. 2022. Exploring Radium Isotopes as Tracers of Groundwater Inputs and Flushing Rates in Cook Inlet. Final Report, OCS Study BOEM 2022-045, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Kumar, S. Acoustics of Cook Inlet Beluga Whales and Anthropogenic Noise in the Kenai River. In: CMI Graduate Student Projects: Volume 5, J. Reynolds (Ed.). Final Report, OCS Study BOEM 2022-054, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Potter, R. A., and S. L. Danielson. 2022. An Analysis of Surface Currents in the Western Beaufort and Northeastern Chukchi Seas. Final Report, OCS Study BOEM 2022-014, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Reynolds J. 2022. University of Alaska Coastal Marine Institute Annual Report No. 28. M19AC00008, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Stadler, L. Feeding Ecology of Nearshore Fishes along a Gradient of Glacially-influenced
 Watersheds in Kachemak Bay, Alaska. In: CMI Graduate Student Projects: Volume 5, J.
 Reynolds (Ed.). Final Report, OCS Study BOEM 2022-054, University of Alaska Coastal
 Marine Institute and USDOI, BOEM Alaska OCS Region.
- Ulaski, B. The Importance of Seaweed Wrack as Habitat and Resource in Cook Inlet. In: CMI Graduate Student Projects: Volume 5, J. Reynolds (Ed.). Final Report, OCS Study BOEM 2022-054, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.

2021

Johnson, M. A., and A. R. Mahoney. 2021. Measuring Wave Forces Along Alaska's Coastal Sea Ice. Final Report, OCS Study BOEM 2021-019, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.

- Kelley, A. 2021. High-frequency Characterization of the Physicochemical Parameters of Cook Inlet, Alaska. Final Report, OCS Study BOEM 2021-018, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Konar B. 2020. University of Alaska Coastal Marine Institute Annual Report No. 27.
 M19AC00008, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Seitz, A. C., and M. B. Courtney. 2021. Ocean migration and behavior of steelhead kelts in multiple Alaskan OCS oil and gas lease areas, examined with satellite telemetry. Final Report, OCS Study BOEM 2021-067, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Johnson, M. A., and A. R. Mahoney. 2021. Measuring Wave Forces Along Alaska's Coastal Sea Ice. Final Report, OCS Study BOEM 2021-019, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.

- Konar, B. 2020. University of Alaska Coastal Marine Institute Annual Report No. 26.M19AC00008, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Larsen-Tempel, J. Life Without Ice: Climate Change and the Subsistence Communities of St. Lawrence Island. In: CMI Graduate Student Projects: Volume 4, J. Reynolds (Ed.). Final Report, OCS Study BOEM 2020-063, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.

- Chapman, C. 2019. Identifying Hatch Dates and Potential Hatch Location of Arctic Cod (*Boreogadus saida*) through Otolith Analysis. In: CMI Graduate Student Projects: Volume 3, B. Konar (Ed.). Final Reports, OCS Study BOEM 2019-67, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Dasher, D., A. Blanchard, S. Jewett, A.S. Naidu, M. Hoberg, T. Lomax, A. Bethe, and I. Hartwell. 2019. AKMAP: 2015 National Estuary Reserve Alaska Estuary Survey. Final Report, OCS Study BOEM 2017-072, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Guo, C. 2019. The Influence of Water Flow, Seasonality, and Water Conditions on Fish Communities in Estuarine Nearshore Habitats in Kachemak Bay, Alaska. In: CMI Graduate Student Projects: Volume 3, B. Konar (Ed.). Final Reports, OCS Study BOEM 2019-67, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Holen, C. 2019. Coastal Community Vulnerability Index and Visualizations of Change in Cook Inlet, Alaska. Final Report, OCS Study BOEM 2019-031, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Iken, K., and B. Konar. 2019. Nearshore Food Web Structure on the OCS in Cook Inlet. Final

- Report, OCS Study BOEM 2019-078, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Konar, B. 2019. University of Alaska Coastal Marine Institute Annual Report No. 25. OCS Study BOEM 2019-005, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Reynolds, J. 2019. Benthic Habitat Mapping in Eastern Cook Inlet. Project Data Report, OCS Study BOEM M17AC00009, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Wooller, M., K. Iken, and D. O'Brien. 2019. Identifying Sources of Organic Matter to Benthic Organisms in the Beaufort and Chukchi Outer Continental Shelves. Final Report, OCS Study BOEM 2019-030, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.

- Clark, C. 2018. Using Trace Elements in Pacific Walrus Teeth to Track the Impacts of Petroleum Production in the Alaskan Arctic. In: CMI Graduate Student Projects: Volume 2, B. Konar (Ed.). Final Reports, OCS Study BOEM 2018-058, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Hauri, C., A. McDonnell, P. Winsor, B. Irving, and H. Statscewich. 2018. Development of an Autonomous Carbon Glider to Monitor Sea-Air CO2 Fluxes in the Chukchi Sea. Final Report, OCS Study BOEM 2018-016. University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Johnson, G. 2018. Using Genotyping-by-Sequencing (GBS) Population Genetics Approaches to Determine the Population Structure of Tanner Crab (*Chionoecetes bairdi*) in Alaska. In: CMI Graduate Student Projects: Volume 1, B. Konar (Ed.). Final Reports, OCS Study BOEM 2018-021, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Kasper, J., A. Mahoney, J. Arsenault, and P. Winsor. 2018. IceTrackers: Low-cost Tracking of Sea Ice in Remote Environments. Final Report, OCS Study BOEM 2017-076, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Konar, B. 2018. University of Alaska Coastal Marine Institute Program Administration 2013-2018. Final Report, OCS Study BOEM 2018-064, University of Alaska Fairbanks and USDOI, BOEM Alaska OCS Region.
- Konar, B. 2018. University of Alaska Coastal Marine Institute Annual Report No. 24. OCS Study BOEM 2018-011, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Leigh, M.B., K. McFarlin, T. Gofstein, M. Perkins, and J. Field. 2018. Fate and Persistence of Oil Spill Response Chemicals in Arctic Seawater. Final Report, OCS Study BOEM 2018-036,

- University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- McCartney, L., and K. Brewster. 2018. Northern Alaska Sea Ice Project Jukebox: Phase III. Final Report, OCS Study BOEM 2018-027, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Powell, A., R. Bentzen, and R. Suydam. 2018. Migration Trends for King and Common Eiders and Yellow-billed Loons past Point Barrow in a Rapidly Changing Environment. Final Report, OCS Study BOEM 2018-059, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Sutton, L. 2018. Functional Diversity of Epibenthic Communities on the Chukchi and Beaufort Sea Shelves. In: CMI Graduate Student Projects: Volume 2, B. Konar (Ed.). Final Reports, OCS Study BOEM 2018-058, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Walker, A. 2018. Characterizing Bacterial Communities in Beaufort Sea Sediments in a Changing Arctic. In: CMI Graduate Student Projects: Volume 1, B. Konar (Ed.). Final Reports, OCS Study BOEM 2018-021, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Yang, Y. 2018. Chukchi-Beaufort Seas Storms and Their Influence on Surface Climate. In: CMI Graduate Student Projects: Volume 1, B. Konar (Ed.). Final Reports, OCS Study BOEM 2018-021, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.

- Collins, R.E., B. Bluhm, R. Gradinger, H. Eicken, K. Dilliplaine, and M. Oggier. 2017. Crude oil infiltration and movement .first-year sea ice: Impacts on ice-associated biota and physical constraints. OCS Study BOEM 2017-087, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Konar, B. 2017. University of Alaska Coastal Marine Institute Annual Report No. 23. OCS Study BOEM 2017-015, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Kulchitsky, A., J. Hutchings, J. Johnson, and B. Lewis. 2017. Siku sea ice discrete element method model. Final Report, OCS Study BOEM 2017-043, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.

<u>2016</u>

Hollmen, T., and A. Riddle. 2016. Sensitivity to Hydrocarbons and Baselines of Exposure in Marine Birds on the Chukchi and Beaufort Seas. Final Report, OCS Study BOEM 2016-

- 064, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Konar, B. 2016. University of Alaska Coastal Marine Institute Annual Report No. 22. OCS Study BOEM 2016-013, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Konar, B., and K. Iken. 2016. Testing the Use of Unmanned Aircraft Systems for Intertidal Surveys. Final Report, OCS Study BOEM 2016-051, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- McCarthy, P., and J. Perreault. 2016. Evaluating Chukchi Sea Trace Metals and Hydrocarbons in the Yukon River Delta, Alaska. Final Report, OCS Study BOEM 2016-078, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Okonnen, S. 2016. Sea Level Measurements along the Alaskan Chukchi and Beaufort Coasts. Final Report, OCS Study BOEM 2016-075, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Rember, R.D., A.M. Aguilar-Islas, and V. Domena. 2016. Distribution and Abundance of SelectTrace Metals in Chukchi and Beaufort Sea Ice. Final Report, OCS Study BOEM 2016-079, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.

- Bluhm, B., K. Iken, and L. Divine. 2015. Population Assessment of Snow Crab, *Chionoecetesopilio*, in the Chukchi and Beaufort Seas, Including Oil and Gas Lease Areas. Final Report, OCS Study BOEM 2015-029, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Konar, B. 2015. University of Alaska Coastal Marine Institute Annual Report No. 21. OCS Study BOEM 2015-015, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Norcross, B., L. Horstmann-Dehn, B. Holladay, L. Edenfield, and S. Carroll. 2015.
- Trophic Links: Forage Fish, Their Prey, and Ice Seals in the Northeast Chukchi Sea. Final Report, OCS Study BOEM 2015-029, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Okonnen, S., R. Topp, and H. Foss. 2015. Arctic Currents: A Year in the Life of a Bowhead Whale. Final Report, OCS Study BOEM 2015-039, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Schiewer, S., A. Iverson, and P. Sharma. 2015. Biodegradation and Transport of Crude Oil in Sand and Gravel Beaches of Arctic Alaska. Final Report, OCS Study BOEM 2015-041, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Weingartner, T., C. Irvine, L. DeSousa, E. Dobbins, B. Adams, S. Danielson, R. Suydam, and W. Neatok. 2015. Satellite-tracked drifter measurements in the Chukchi and Beaufort

Seas. Final Report, OCS Study BOEM 2015-022, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.

2014

- Kruse, G., and J. Glass. 2014. Analysis of Benthic Communities on Weathervane Scallop Beds in Shelikof Strait. Final Report, OCS Study BOEM 2014-659, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Mathis, J., and J. Cross. 2014. Biogeochemical Assessment of the OCS Arctic Waters: Current Status and Vulnerability to Climate Change. Final Report, OCS Study BOEM 2014-668, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.
- Seitz, A., M. Courtney, and B. Scanlon. 2014. Dispersal Patterns and Summer Ocean Distribution of Adult Dolly Varden from the Wulik River, Alaska, Evaluated Using Satellite Telemetry. Final Report, OCS Study BOEM 2014-663, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.

2013

- Carothers, C., S. Cotton, and K. Moerlein. 2013. Subsistence Use and Knowledge of Salmon in Barrow and Nuiqsut, Alaska. Final Report, OCS Study BOEM 2013-0015, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region. 52p.
- Gradinger, R. 2013. University of Alaska Coastal Marine Institute Annual Report No. 20. OCS Study BOEM 2014-0052. University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region. 35p.
- Gradinger, R. 2013. University of Alaska Coastal Marine Institute Annual Report No. 19. OCS Study BOEM 2013-0112. University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region. 45p.
- Gradinger, R. 2013. University of Alaska Coastal Marine Institute Program Administration 2008–2012 Final Report, OCS Study BOEM 2013-0128. University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region, 12p.
- Konar, B., and A.M. Ravelo. 2013. Epibenthic Community Variability on the Alaskan Beaufort Sea Continental Shelf. Final Report, OCS Study BOEM 2013-01148, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region, 43p.
- Norcross, B.L., B.A. Holladay, and C.W. Mecklenburg. 2013. Recent and Historical Distribution and Ecology of Demersal Fishes in the Chukchi Sea Planning Area. Final Report, OCS Study BOEM 2012-073, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region, 210p.

<u>2012</u>

Castellini, M.A. 2012. University of Alaska Coastal Marine Institute Annual Report No. 18. OCS Study BOEM 2012-010, University of Alaska Fairbanks and USDOI, BOEM Alaska OCS

- Region, 80p.
- Konar, B. 2012. Recovery in a High Arctic Kelp Community. Final Report, OCS Study BOEM 2012-011, University of Alaska Fairbanks and USDOI, BOEM Alaska OCS Region, 24p.
- Mahoney, A., H. Eicken, L. Shapiro, R. Gens, T. Heinrichs, F. Meyer, and A. Graves-Gaylord. 2012. Mapping and Characterization of Recurring Spring Leads and Landfast Ice in the Beaufort and Chukchi Seas. Final Report, OCS Study BOEM 2012-067, University of Alaska Fairbanks and USDOI, BOEM Alaska OCS Region, 154 p.
- Norcross, B., B. Holladay, and C. Mecklenburg. 2012. Recent and Historical Distribution and Ecology of Demersal Fishes in the Chukchi Sea Planning Area. Final Report, OCS Study BOEM 2012-073, University of Alaska Coastal Marine Institute and USDOI, BOEM Alaska OCS Region.

- Castellini, M.A. 2011. University of Alaska Coastal Marine Institute Annual Report No. 17. OCS Study BOEMRE 2011-029, University of Alaska Fairbanks and USDOI, BOEMRE, Alaska OCS Region, 79p.
- Hardy, S.M., k. Iken, K. Hundertmark, and G.T. Albrecht. 2011. Population connectivity in Bering, Chukchi and Beaufort Sea snow crab populations: Estimating spatial scales of disturbance impacts. Final Report, OCS Study BOEM 2011-060, University of Alaska Fairbanks and USDOI, BOEM Alaska OCS Region, 26p.
- Naidu, A.S., J.J. Kelley, D. Misra, A. Blanchard, and M.I. Venkatesan. 2011. Synthesis of Time-Interval Changes in Trace Metals and Hydrocarbons in Nearshore Sediments of the Alaska Beaufort Sea: A Statistical Analysis. Final Report, OCS Study BOEM 2011- 031, University of Alaska Fairbanks and USDOI, BOEM, Alaska OCS Region, 60p.
- Naidu, A.S., J.J. Kelley, O.P. Smith, Z. Kowalik, W.J. Lee, M.C. Miller, and T.M. Ravens. 2011. Assessment of the Direction and Rate of Alongshore Transport of Sand and Gravel in the Prudhoe Bay Region, North Arctic Alaska. Final Report, OCS Study BOEM 2011-038, University of Alaska Fairbanks and USDOI, BOEM, Alaska OCS Region, 29p.
- Weingartner, T.J., and J. Kasper. 2011. Idealized Modeling of Circulation under Landfast Ice. Final Report, OCS Study BOEM 2011-056, University of Alaska Fairbanks and USDOI, BOEM, Alaska OCS Region, 134p.

<u>2010</u>

- Castellini, M.A. 2010. University of Alaska Coastal Marine Institute Annual Report No. 16. OCS Study BOEMRE 2010-049, University of Alaska Fairbanks and USDOI, BOEMRE, Alaska OCS Region, 80p.
- Foster, N.R., D. Lees, S.C. Lindstrom, and S. Saupe. 2010. Evaluating a Potential Relict Arctic Invertebrate and Algal Community on the West Side of Cook Inlet. Final Report, OCS Study MMS 2010-005, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 75p.

- Powell, A., A.R. Taylor, and R.B. Lanctot. 2010. Pre-migratory Ecology and Physiology of Shorebirds Staging on Alaska's North Slope. Final Report, OCS Study MMS 2009-034, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 190p.
- Quakenbush, L., and H. Huntington. 2010. Traditional Knowledge Regarding Bowhead Whales in the Chukchi Sea near Wainwright, Alaska. Final Report, OCS Study MMS 2009-063, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 32p.
- Quakenbush, L. 2010. Satellite Tracking of Pacific Walruses: The Planning Phase. Final Report, OCS Study BOEMRE 2010-035, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, BOEMRE, 20p.

- Castellini, M.A. 2009. University of Alaska Coastal Marine Institute Annual Report No. 15. OCS Study MMS 2009-044, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 57p.
- Okkonen, S.R., S. Pegau, and S. Saupe. 2009. Seasonality of Boundary Conditions for Cook Inlet, Alaska. Final Report, OCS Study MMS 2009-041, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 59p.
- Olsson, P.Q., and H. Liu. 2009. High-Resolution Numerical Modeling of Near-Surface Weather Conditions over Alaska's Cook Inlet and Shelikof Strait. Final Report, OCS Study MMS 2007-043, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 52p.
- Powell, A., and S. Backensto. 2009. Common Ravens (*Corvus corax*) Nesting on Alaska's North Slope Oil Fields. Final Report, OCS Study MMS 2009-007, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 37p.
- Quakenbush, L., R. Shideler, and G. York. 2009. Radio Frequency Identification Tags for Grizzly and Polar Bear Research. Final Report, OCS Study MMS 2009-004, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 19p.
- Quakenbush, L., R.S. Suydam, R. Acker, M. Knoche, and J. Citta. 2009. Migration of King and Common Eiders Past Point Barrow, Alaska, during Summer/Fall 2002 through Spring 2004: Population Trends and Effects of Wind. Final Report, OCS Study MMS 2009- 036, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 42p.

<u>2008</u>

- Castellini, M.A. 2008. University of Alaska Coastal Marine Institute Annual Report No. 14.
- OCS Study MMS 2008-014, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 117p.

Johnson, M.A. 2008. Water and Ice Dynamics in Cook Inlet. Final Report, OCS Study MMS 2008-061, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 106p.

2007

- Alexander, V. 2007. University of Alaska Coastal Marine Institute Annual Report No. 13. OCS Study MMS 2007-014, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 75p.
- Knoche, M.J., A.N. Powell, L.T. Quakenbush, M. J. Wooller, and L. M. Phillips. 2007. Further Evidence for Site Fidelity to Wing Molt Locations by King Eiders: Integrating Stable Isotope Analyses and Satellite Telemetry Waterbirds: The International Journal of Waterbird Biology 30:52-57.
- Phillips, L.M., A.N. Powell, E.J. Taylor, and E.A. Rexstad. 2007. Use of the Beaufort Sea by king eiders breeding on the North Slope of Alaska. Journal of Wildlife Management 71:1892-1898.

2006

- Konar, B. 2006. Role of Grazers on the Recolonization of Hard-Bottom Communities in the Alaska Beaufort Sea. Final Report, OCS Study MMS 2006-015, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska Region, 23p.
- Musgrave, D., and H. Statscewich. 2006. CODAR in Alaska. Final Report, OCS Study MMS 2006-032, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 23p.
- Naidu, A.S., J.J. Kelley, D. Misra, and M.I. Venkatesan. 2006. Trace Metals and Hydrocarbons in Sediments of the Beaufort Lagoon, Northeast Arctic Alaska, Exposed to Long-term Natural Oil Seepage, Recent Anthropogenic Activities, and Pristine Conditions. Final Report, OCS Study MMS 2005-041, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 57p.
- Weingartner, T.J. 2006. Circulation, thermohaline structure, and cross-shelf transport in the Alaskan Beaufort Sea. Final Report, OCS Study MMS 2006-031, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 58p.

<u>2005</u>

- Alexander, V. 2005. University of Alaska Coastal Marine Institute Annual Report No. 11. OCS Study MMS 2005-055, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 157p.
- Gradinger, R., and B. Bluhm. 2005. Susceptibility of sea ice biota to disturbances in the shallow Beaufort Sea: Phase 1: Biological coupling of sea ice with the pelagic and benthic realms. Final Report, OCS Study MMS 2005-062, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 87p.

- Okkonen, S.R. 2005. Observations of hydrography and currents in central Cook Inlet, Alaska during diurnal and semidiurnal tidal cycles. Final Report, OCS Study MMS 2004-058, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 28p.
- Powell, A., L. Phillips, E.A. Rexstad, and E.J. Taylor. 2005. Importance of Alaskan Beaufort Sea to King Eiders (*Somateria spectabilis*). Final Report, OCS Study 2005-057, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 40p.
- Powell, A., R.S. Suydam, and R. Mcguire. 2005. Breeding Biology of King Eiders on the Coastal Plain of Northern Alaska. Final Report, OCS Study 2005-060, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 40p.
- Quakenbush, L., and R. Small. 2005. Satellite Tracking of Bowhead Whales: The Planning Phase 1. Final Report, OCS Study MMS 2005-058, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 24p.

<u>2004</u>

- Alexander, V. 2004. University of Alaska Coastal Marine Institute Annual Report No. 10. OCS Study MMS 2004-002, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 119p.
- Braddock, J.F., K.A. Gannon, and B.T. Rasley. 2004. Petroleum hydrocarbon-degrading microbial communities in Beaufort-Chukchi Sea sediments. Final Report, OCS Study MMS 2004-061, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 38p.
- Duesterloh, S., and T.C. Shirley. 2004. The Role of Copepods in the Distribution of Hydrocarbons: An Experimental Approach. Final Report, OCS Study MMS 2004-034, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 53p.
- Terschak, J.A., S.M. Henrichs, and D.G. Shaw. 2004. Phenanthrene Adsorption and Desorption by Melanoidins and Marine Sediment Humic Acids. Final Report, OCS Study MMS 2004-001, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 65p.
- Winker, K., and D.A. Rocque. 2004. Seabird Samples as Resources for Marine Environmental Assessment. Final Report, OCS Study MMS 2004-035, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 26p.

<u>2003</u>

Alexander, V. 2003. University of Alaska Coastal Marine Institute Annual Report No. 9. OCS Study MMS 2003-003, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 108p.

- Naidu, A.S., J.J. Kelley, J.J. Goering, and M.I. Venkatesan. 2003. Trace Metals and Hydrocarbons in Sediments of Elson Lagoon (Barrow, Northwest Arctic Alaska) as Related to the Prudhoe Bay Industrial Region. Final Report, OCS Study MMS 2003- 057, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 33p.
- Okkonen, S.R., and S.S. Howell. 2003. Measurements of Temperature, Salinity and Circulation in Cook Inlet, Alaska. Final Report, OCS Study MMS 2003-036, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 28p.
- Proshutinsky, A.Y., M.A. Johnson, T.O. Proshutinsky, and J.A. Maslanik. 2003. Beaufort and Chukchi Sea Seasonal Variability for Two Arctic Climate States. Final Report, OCS Study MMS 2003-024, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 197p.
- Wang, J. 2003. Proceedings of a Workshop on Small Scale Sea-Ice and Ocean Modeling (SIOM) in the Nearshore Beaufort and Chukchi Seas. Final Report, OCS Study MMS 2003-043, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 56p.

- Alexander, V. 2002. University of Alaska Coastal Marine Institute Annual Report No. 8. OCS Study MMS 2002-001, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 109p.
- Cook, J.A., and G.H. Jarrell. 2002. The Alaska Frozen Tissue Collection: A Resource for Marine Biotechnology, Phase II. Final Report, OCS Study MMS 2002-027, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 23p.

<u>2001</u>

- Herrmann, M., S.T. Lee, C. Hamel, K.R. Criddle, H.T. Geier, J.A. Greenberg, and C.E. Lewis. 2001. An Economic Assessment of the Sport Fisheries for Halibut, Chinook and Coho Salmon in Lower and Central Cook Inlet. Final Report, OCS Study MMS 2000-061, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and US DOI, MMS, Alaska OCS Region, 135p.
- Highsmith, R.C., S.M. Saupe, and A.L. Blanchard. 2001. Kachemak Bay Experimental and Monitoring Studies: Recruitment, Succession, and Recovery in Seasonally Disturbed Rocky-Intertidal Habitat. Final Report, OCS Study MMS 2001-053, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 66p.

- Naidu, A.S., J.J. Goering, J.J. Kelley and M.I. Venkatesan. 2001. Historical Changes in Trace Metals and Hydrocarbons in the Inner Shelf Sediments, Beaufort Sea: Prior and Subsequent to Petroleum- Related Industrial Developments. Final Report, OCS Study MMS 2001-061, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 80p.
- Tyler, A.V., C.O. Swanton and B.C. Mcintosh. 2001. Feeding Ecology of Maturing Sockeye Salmon (*Oncorhynchus nerka*) in Nearshore Waters of the Kodiak Archipelago. Final Report, OCS Study MMS 2001-059, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 34p.
- Weingartner, T.J., and S.R. Okkonen. 2001. Beaufort Sea Nearshore Under-Ice Currents: Science, Analysis and Logistics. Final Report, OCS Study MMS 2001-068, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 22p.

- Alexander, V. 2000. University of Alaska Coastal Marine Institute Annual Report No. 7. OCS Study MMS 2000-0070, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 92p.
- Alexander, V. 2000. University of Alaska Coastal Marine Institute Annual Report No. 6. OCS Study MMS 2000-0046, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 86p.
- Johnson, M.A., and S.R. Okkonen (Eds.). 2000. Proceedings Cook Inlet Oceanography Workshop: November 1999, Kenai, AK. Final Report, OCS Study MMS 2000-043, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 118p.
- Niebauer, H.J. 2000. Physical-Biological Numerical Modeling on Alaskan Arctic Shelves. Final Report, OCS Study MMS 2000-041, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 84p.
- Proshutinsky, A.Y. 2000. Wind Field Representations and Their Effect on Shelf Circulation Models: A Case Study in the Chukchi Sea. Final Report, OCS Study MMS 2000-011, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 136p.

- Cook, J.A., G.H. Jarrell, A.M. Runck, and J.R. Demboski. 1999. The Alaska Frozen Tissue Collection and Associated Electronic Database: A Resource for Marine Biotechnology. Final Report, OCS Study MMS 99-0008, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 23p.
- Holladay, B.A., B.L. Norcross, and A. Blanchard. 1999. A Limited Investigation into the
 Relationship of Diet to the Habitat Preferences of Juvenile Flathead Sole. Final Report,
 OCS Study MMS 99-0025, University of Alaska Coastal Marine Institute, University of
 Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 27p.

- Alexander, V. 1998. University of Alaska Coastal Marine Institute Annual Report No. 5. OCS Study MMS 98-0062, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 72p.
- Alexander, V. 1998. University of Alaska Coastal Marine Institute Annual Report No. 4. OCS Study MMS 98-0005, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 81p.
- Braddock, J.F., and Z. Richter. 1998. Microbial Degradation of Aromatic Hydrocarbons in Marine Sediments. Final Report, OCS Study MMS 97-0041, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 82p.
- Duffy, L.K., R.T. Bowyer, D.D. Roby, and J.B. Faro. 1998. Intertidal Effects of Pollution: Assessment of Top Trophic Level Predators as Bioindicators. Final Report, OCS Study MMS 97-0008, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 62p.
- Kline, T.C., J.R., and J.J. Goering. 1998. North Slope Amphidromy Assessment. Final Report, OCS Study MMS 98-0006, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska Region, 25p.
- Norcross, B.L., B.A. Holladay, A.A. Abookire, and S.C. Dressel. 1998. Defining Habitats for Juvenile Groundfishes in Southcentral Alaska, Vol. I. Final Report, OCS Study MMS 97-0046, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 131p.
- Norcross, B.L., B.A. Holladay, A.A. Abookire, and S.C. Dressel. 1998. Defining Habitats for Juvenile Groundfishes in Southcentral Alaska, Vol. II. Final Report, Appendices. OCS Study MMS 97-0046, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 127p.
- Schell, D.M. 1998. Testing Conceptual Models of Marine Mammal Trophic Dynamics Using Carbon and Nitrogen Stable Isotope Ratios. Final Report, OCS Study MMS 98-0031, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 137p.
- Shaw, D.G., and J. Terschak. 1998. Interaction Between Marine Humic Matter and Polycyclic Aromatic Hydrocarbons in Lower Cook Inlet and Port Valdez, Alaska. Final Report, OCS Study MMS 98-0033, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 27p.
- Weingartner, T.J., and T. Proshutinsky. 1998. Modeling the Circulation on the Chukchi Sea Shelf. Final Report, OCS Study MMS 98-0017, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 75p.
- Weingartner, T.J. 1998. Circulation on the North Central Chukchi Sea Shelf. Final Report, OCS Study MMS 98-0026, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 39p.

<u>1997</u>

- Alexander, V. 1997. University of Alaska Coastal Marine Institute Annual Report No. 3. OCS Study MMS 97-0001, University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 191p.
- Henrichs, S.M., M. Luoma, and S. Smith. 1997. A Study of the Adsorption of Aromatic Hydrocarbons by Marine Sediments. Final Report, OCS Study MMS 97-0002, University of Alaska Coastal Marine Institute, University of Alaska Fairbanks and USDOI, MMS Alaska OCS Region, 47p.

1996

Alexander, V. 1996. University of Alaska Coastal Marine Institute Annual Report No. 2. OCS Study MMS 95-0057, University of Alaska Fairbanks and USDOI, MMS Alaska OCS Region, 122p.

<u>1995</u>

Alexander, V. 1995. University of Alaska Coastal Marine Institute Annual Report No. 1. University of Alaska Fairbanks and USDOI, MMS, Alaska OCS Region, 16p.