

# Bureau of Ocean Energy Management Environmental Studies Program Alaska Outer Continental Shelf Bibliography 1990–2024



U.S. Department of the Interior  
Bureau of Ocean Energy Management  
Alaska Regional Office, Anchorage, AK



# **Bureau of Ocean Energy Management Environmental Studies Program Alaska Outer Continental Shelf Bibliography 1990–2024**

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Bureau of Ocean Energy Management  
Alaska Regional Office, Anchorage, AK



## REPORT AVAILABILITY

To download a PDF file of this report, go to the U.S. Department of the Interior, Bureau of Ocean Energy Management (<https://www.boem.gov/newsroom/library/alaska-scientific-and-technical-publications>, and click on 2024).

## CITATION

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## ABOUT THE COVER

Photographs from Bureau of Ocean Energy Management sponsored studies:

Top left: Photograph of a tufted puffin in the Bering Sea. Photo Credit: Charles Wright, U.S. Fish and Wildlife Service.

Top right: Photograph of a polar bear on a barrier island in the Beaufort Sea. Photo Credit: Suzie Hanlan, National Oceanic and Atmospheric Administration.

Center: Photograph of lower Cook Inlet nearshore communities and habitats. Mount Augustine volcano in the background. Photo Credit: Mandy Lindeberg, National Oceanic and Atmospheric Administration.

Bottom left: Photograph of sea otters in sea ice in Cook Inlet. Photo Credit: U.S. Geological Survey.

Bottom right: Photograph of under-ice trawl to collect data about fish and marine organisms in the Chukchi Sea, Alaska during a University of Alaska, Fairbanks study. Photo Credit: John Guillotte, Onpoint OUTREACH.

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## List of Abbreviations and Acronyms

ACES	aerial calibration experiments
AIDJEX	Arctic ice dynamics joint experiment
AFSC	Alaska Fisheries Science Center
AK	Alaska
AMBON	Arctic marine biodiversity observing network
AMOP	Arctic and Marine Oilspill Program
ANIMIDA	Arctic nearshore impact monitoring in development area
ARCWEST	Arctic whale ecology study
ARCTREX	Arctic tracer release experiment
AVHRR	advanced very-high-resolution radiometer
BCB	Bering-Chukchi-Beaufort
BIOS	Baffin Island oil spill
BLM	Bureau of Land Management
BOEM	Bureau of Ocean Energy Management
BOEMRE	Bureau of Ocean Energy Management, Regulation, and Enforcement
BOWFEST	bowhead whale feeding ecology study
BWASP	bowhead whale aerial survey project
C	carbon
CAB	chemical and benthos
cANIMIDA	continuation of Arctic nearshore impact monitoring in development area
CBHAR	Chukchi-Beaufort high resolution atmospheric reanalysis
CHAOZ-X	Chukchi Sea acoustics, oceanography, and zooplankton study extension
CIOM	coupled ice-ocean model
CMI	Coastal Marine Institute
CMIP5	Climate Model Intercomparison Project Phase 5
CO <sub>2</sub>	carbon dioxide
CODAR	Coastal Ocean Dynamic Applications Radar
COMIDA	Chukchi offshore monitoring in drilling area
COZOIL	coastal and surf zone oil-spill-transport model
DES	Division of Environmental Sciences
DNA	deoxyribonucleic acid
EIS	ecosystem integrated survey
ESP	Environmental Studies Program
ESPIIS	Environmental Studies Program Information System
FLIR	forward looking infrared
GBS	genotyping-by-sequencing
GIS	geographic information system

GOM	Gulf of Mexico
HCH	hexachlorocyclohexane
HF	high frequency
IMPAK	Impact of petroleum activities in Alaska
LEO	local environmental observer
LLC	limited liability corporation
MARES	marine Arctic ecosystem study
MMS	Minerals Management Service
MPM	material point method
N	nitrogen
NE	northeast
NIST	National Institute of Standards and Technology
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NPR-A	National Petroleum Reserve-Alaska
NPS	National Park Service
NWR	National Wildlife Refuge
OCS	Outer Continental Shelf
OCSEAP	Outer Continental Shelf Environmental Assessment Program
OGCM	ocean general circulation model
OSRA	oil spill risk analysis
PAC	Pacific
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyls
PMEL	Pacific Marine Environmental Laboratory
Pt.	Point
RNA	ribonucleic acid
SAR	synthetic aperture radar
SIOMS	sea-ice and ocean modeling system
SOAR	synthesis of Arctic research
St.	Saint
SWOT	strengths, weaknesses, opportunities, threats
US	United States
USDOC	U.S. Department of Commerce
USDOI	U.S. Department of the Interior
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
vs.	versus
WRF	weather research and forecasting model
WRFDA	weather research forecasting model data assimilation

# 1 Introduction

The mission of the U.S. Department of the Interior's Bureau of Ocean Energy Management (BOEM) is to manage the energy and mineral resources of the United States Outer Continental Shelf (OCS) in an environmentally and economically responsible way. In support of this stewardship responsibility, BOEM develops, funds, and manages rigorous scientific research through its Environmental Studies Program (ESP<sup>1</sup>) specifically to inform its decision-making processes. Since 1973, the ESP has invested nearly \$1.3 billion in research, nationwide. The ESP is multidisciplinary in nature and develops the information required to assess and manage the impacts of OCS exploration and development activities on the environment.

BOEM's Division of Environmental Studies (DES) is responsible for the technical management of the ESP and coordinates among the Bureau's four geographic regions: Atlantic, Gulf of Mexico, Pacific, and Alaska. BOEM's ESP conducts environmental studies and monitoring programs to acquire information on the human, marine, and coastal environments. Research covers physical oceanography, atmospheric sciences, biology, protected species, social sciences, economics, submerged cultural resources, and environmental fates and effects. The ESP has produced a considerable body of information about the Alaska OCS, and a great deal of that science has found its way into professional, peer-reviewed literature.

This BOEM Alaska OCS Bibliography is the result of efforts by the Alaska Regional Office and DES. It lists ESP OCS Study reports and associated research articles from January 1990 to August 2024 that have appeared in professional, peer reviewed journals, book chapters, and published conference proceedings. Research articles listed include full or partial BOEM ESP funding, and data or sample contributions. The research articles referenced are not available from the ESP but should be obtainable from libraries which subscribe to the associated journals.

This bibliography contains 481 ESP OCS Study reports and 878 external publications about the Alaska OCS and adjacent areas. The bibliography is not exhaustive as it contains only those articles BOEM has identified to date. Through time, the ability to search external publications and identify the source(s) of funding has become more robust. BOEM is now able to search for and identify author acknowledgement of ESP samples, data, or full or partial funding that was not previously possible. Historical information regarding external publications in the 1990s and 2000s was taken from both the Environmental Studies Program Information System (ESPIS) and bibliographic software programs maintained internally by the BOEM Alaska Regional Office and its predecessors. This bibliography does not list the Outer Continental Shelf Environmental Assessment Program (OCSEAP) reports. The majority of those reports, funded by BLM and MMS, were completed prior to 1990; a reference to the OCSEAP bibliography completed in 1990 is provided.

One of the responsibilities of DES is the development of a computerized information system to track ESP projects and resulting reports. The BOEM ESP Hub is ESP's latest outreach tool for biology, chemistry, physics, and social sciences research on over 50 topical and timely research themes. Addressing BOEM's most pressing offshore energy and minerals information needs ESP built the ESP Hub using ArcGIS

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<sup>1</sup> The Minerals Management Service (MMS), a predecessor of BOEM, was formed in 1982 from elements of the Bureau of Land Management (BLM) and the U.S. Geological Survey. In 1973, prior to the formation of MMS, BLM initiated the Environmental Studies Program (ESP) as mandated by Section 20 of the Outer Continental Shelf Lands Act. Since BOEM's formation in 2011, it has been responsible for the continued operation of the ESP.

Online, making ESP research more accessible through straightforward website navigation and an interactive web map experience. The ESP Hub is located at <https://esp-boem.hub.arcgis.com/> (Figure 1).

For each research theme, you can select from regional bookmarks and zoom in on specific areas of interest to find relevant completed ESP research, as well as, associated reports and publications. Research themes are also enhanced with related content such as research applications and examples of sample collections and datasets hosted by partner institutions.



**Figure 1. Website for Bureau of Ocean Energy Management (BOEM) Environmental Studies Program Hub**

BOEM's Environmental Studies catalog on GovInfo provides the most authoritative and comprehensive public inventory of ESP publications, reports, and technical summaries (Figure 2). The GovInfo site is located at <https://www.govinfo.gov/collection/boem>. This repository houses over 50 years of ocean science spanning the Alaska, Atlantic, Gulf of Mexico, and Pacific Outer Continental Shelf. The research covers diverse disciplines, including air quality (AQ), fates and effects (FE), habitat and ecology (HE), information management (IM), marine mammals and protected species (MM), physical oceanography (PO), and socioeconomics (SE).

Users can search the full repository or use GovInfo's Advanced Search capabilities, enabling users to search by subject or metadata fields (known as mods, based on the Library of Congress metadata standard). To narrow down a search, use "mods:" before search terms using the examples shown below in Table 1.



**GovInfo** Browse About Developers Features Help Feedback Q SEARCH

## Bureau of Ocean Energy Management (BOEM) Publications

[HELP](#)

### About Bureau of Ocean Energy Management (BOEM) Publications

**BOEM**  
Bureau of Ocean Energy Management

The mission of the [Bureau of Ocean Energy Management \(BOEM\)](#) is to manage development of U.S. Outer Continental Shelf energy and mineral resources in an environmentally and economically responsible way. The Outer Continental Shelf Lands Act of 1953 authorizes Federal leasing and management of submerged lands for energy development. These responsibilities evolved in the US Department of the Interior (USDOI), initially within the Bureau of Land Management and the US Geologic Survey Conservation Division, then with the creation of the USDOI's Minerals Management Service in 1982, and now with BOEM.

### Browse Bureau of Ocean Energy Management (BOEM) Publications

BOEM Environmental Studies

The Environmental Studies Program (ESP), mandated by the Outer Continental Shelf Lands Act in 1978, (43 USC 1346) develops, funds, and manages scientific research of the highest degree of scientific integrity to inform Agency decisions. Since its inception in 1973, the ESP has provided over \$1 billion for research pertinent to energy development impacts on coastal, marine, and human ecosystems in BOEM's four OCS regions: Alaska, Atlantic, Gulf of Mexico, and Pacific. The ESP funds research on air quality, fates and effects, habitat and ecology, information management, marine archaeology, marine mammals, physical oceanography, social science, and more.

**Geographic Scope**  
Alaska | Atlantic | Gulf of Mexico | National | Pacific

**ESP**  
ENVIRONMENTAL STUDIES PROGRAM

**Figure 2. GovInfo Website for Bureau of Ocean Energy Management (BOEM) Publications**

**Table 1. Example Search Modifiers using BOEM Metadata in GovInfo**

BOEM Metadata	Search Example
NSL	mods:identifier:"GM-92-42-01"
FundingCategory (e.g., Habitats and Ecology, HE)	mods:identifier:HE
StudyTitle	mods:field:(@name:"Study Title":"exploratory study")
ObligationNumber	mods:field:(@name:"Obligation Number":"14-35-0001-30660-19903")
MEDIN Disciplines, Resource Categories, and free text keywords	subject:"Marine Biodiversity"
Geographic Scope (including Alaska, Pacific, Gulf of Mexico, Atlantic, or National)	mods:field:(@name:"Geographical Scope":"Alaska")
ReportTitle	title:"Management applicability of contemporary"
ReportNumber	mods:field:(@name:"Report Number":"2001-095")
ReportYear	publishdate:2019
ReportAuthor	personalauthor:campbell
DocumentType	fedpubname:"Final Report" or fedpubname:"Technical Summary"
Government Author	governmentauthor:Interior
	governmentauthor:(Bureau of Ocean Energy Management)
CSE Style reference	mods:field:(@name:"CSE Reference":"Louisiana State University")

## 2 BOEM Alaska OCS Study Reports and External Publications

This BOEM Alaska OCS bibliography of OCS Study reports and external publications is divided into three sections for easy reference. The first section lists all BOEM Alaska OCS Study reports from January 1990 to August 2024 sorted by year and then author<sup>2</sup>. The second section is a listing of all journal articles, books, book chapters, and published conference proceeding papers sorted by year and then author. Each of these external publications involve full or partial funding, data, or samples from the BOEM ESP. In recent years, with the advent of big data, it is possible to track external publications and their funding contributions, including data and samples, more readily. The third section is a combined listing of all BOEM Alaska OCS Study reports and external publications sorted alphabetically by author over the timeframe from January 1990 to August 2024.

### 2.1 BOEM Alaska OCS Study Reports by Year

This section includes all OCS Study report references for the Alaska OCS from January 1990 to August 2024 sorted by year and then author. It includes ESP funded studies as well as in-house OCS Study reports.

#### 2024

Gavenus K, Reiske H, Stymiest C, Thaler A, Smith J (Blue World Research Institute, Cocoa, FL). 2024. Final report: student engineers advancing ocean technology. Anchorage (AK): U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 25 p. Report No.: OCS Study BOEM 2024-007. [https://espis.boem.gov/Final%20Reports/BOEM\\_2024-007.pdf](https://espis.boem.gov/Final%20Reports/BOEM_2024-007.pdf)

Gorman KB, Nims MK, Sformo TL, Rand PS. 2023. Are expanding pink salmon (*Oncorhynchus gorbuscha*) populations in the Arctic produced from regional watersheds? final report. Fairbanks (AK): University of Alaska Coastal Marine Institute and U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 40 p. Report No.: OCS Study BOEM 2024-006. [https://espis.boem.gov/Final%20Reports/BOEM\\_2024-006.pdf](https://espis.boem.gov/Final%20Reports/BOEM_2024-006.pdf)

Kumar SV, Castellote M, Gill VA (USDOC, NOAA Fisheries, Protected Resource Division, Anchorage, AK). 2024. The urban beluga: acoustic monitoring in the Kenai and Kasilof Rivers, Alaska. Anchorage (AK): U.S. Department of the Interior, Bureau of Ocean Energy Management. Alaska OCS Region. 65 p. Report No.: OCS Study BOEM 2024-002. [https://espis.boem.gov/final%20reports/BOEM\\_2024-002.pdf](https://espis.boem.gov/final%20reports/BOEM_2024-002.pdf)

#### 2023

Castellote M, Gill VA, Garner C, Gilstad A, Hou B, Brewer A, Knoth J (USDOC, NOAA Fisheries, Protected Resource Division, Anchorage, AK). 2023. Using passive acoustics to identify a winter foraging refugia and quiet space for an endangered beluga population in Alaska. Anchorage (AK): U.S. Department of the Interior, Bureau of Ocean Energy Management. Alaska OCS Region. 62 p. Report No.: OCS Study BOEM 2023-074. [https://espis.boem.gov/final%20reports/BOEM\\_2023-074.pdf](https://espis.boem.gov/final%20reports/BOEM_2023-074.pdf)

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<sup>2</sup> All URLs were accessed on September 11, 2024.

- Dickson D, Baker M (North Pacific Research Board, Anchorage, AK). 2023. Collaboration with the North Pacific Research Board, Arctic Marine Research Program. Anchorage (AK): U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 1,989 p. Report No.: OCS Study BOEM 2022-039. [https://espis.boem.gov/final%20reports/BOEM\\_2022-039.pdf](https://espis.boem.gov/final%20reports/BOEM_2022-039.pdf)
- Erikson LH, Nederhoff K, Engelstad A, Kasper J, Bieniek P (U.S. Geological Survey, Santa Cruz, CA and University of Alaska, Fairbanks, AK). 2023. Central Beaufort Sea wave and hydrodynamic modeling study. Report 2: modeled waves, hydrodynamics, and sediment transport within Foggy Island Bay. Anchorage (AK): U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 67 p. Report No.: OCS Study BOEM 2022-079. [https://espis.boem.gov/final%20reports/BOEM\\_2022-079.pdf](https://espis.boem.gov/final%20reports/BOEM_2022-079.pdf)
- Hauser DDW, Von Duyke A. 2023. Evaluating novel assessment approaches for coastal ice seal haulout areas and behavior in the Alaska Chukchi and Beaufort seas. Fairbanks (AK): University of Alaska Coastal Marine Institute and U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 76 p. Report No.: OCS Study BOEM 2022-080. [https://espis.boem.gov/Final%20Reports/BOEM\\_2022-080.pdf](https://espis.boem.gov/Final%20Reports/BOEM_2022-080.pdf)
- Kasper J, Erikson LH, Ravens T, Bieniek P, Englestad A, Nederhoff K (University of Alaska, Fairbanks, AK and U.S. Geological Survey, Santa Cruz, CA). 2023. Central Beaufort Sea wave and hydrodynamic modeling study. Report 1: field measurements and model development. Anchorage (AK): U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 237 p. Report No.: OCS Study BOEM 2022-078. [https://espis.boem.gov/final%20reports/BOEM\\_2022-078.pdf](https://espis.boem.gov/final%20reports/BOEM_2022-078.pdf)
- Meadows R, Cooperman A, Koleva M, Draxl C, Kilcher L, Baca E, Strout Grantham K, DeGeorge E, Musial W, Wiltse N, Guerra Fernandez OJ (National Renewable Energy Lab, Washington, DC). 2023. Feasibility study for renewable energy technologies in Alaska offshore waters. Anchorage (AK): U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 131 p. Report No.: OCS Study BOEM 2023-076. [https://espis.boem.gov/final%20reports/BOEM\\_2023-076.pdf](https://espis.boem.gov/final%20reports/BOEM_2023-076.pdf)
- Mueter F, Flores H, Pinchuk A, Copeman L, Maes S, Geoffroy M, Chapman Z, Weems J. 2023. Ice-associated Arctic cod along the Chukchi Sea and Beaufort Sea slopes during late fall 2019. Fairbanks (AK): University of Alaska Coastal Marine Institute and U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 63 p. Report No.: OCS Study BOEM 2023-014. [https://espis.boem.gov/Final%20Reports/BOEM\\_2023-014.pdf](https://espis.boem.gov/Final%20Reports/BOEM_2023-014.pdf)
- Reynolds J. 2023. Coastal Marine Institute annual report 29, calendar year 2022. Fairbanks (AK): University of Alaska Coastal Marine Institute and U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 54 p.
- Thyng KM, Bochenek R, Buckelew S, Campbell L (Axiom Data Science, a Tetra Tech Company, Anchorage, AK). 2023. Improvements to the oil spill risk analysis (OSRA) input data - verification and validation. Anchorage (AK): U.S. Department of the Interior, Bureau of Ocean Energy Management. 16 p. Report No.: OCS Study BOEM 2023-012. [https://espis.boem.gov/Final%20Reports/BOEM\\_2023-012.pdf](https://espis.boem.gov/Final%20Reports/BOEM_2023-012.pdf)
- Tomco PL, Burkhead J, Redman ZC, Robine S. 2023. Biological effects of Cook Inlet crude oil degradation products and suspect screening of oxidized PAHs. Fairbanks (AK): University of Alaska Coastal Marine Institute and U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 38 p. Report No.: OCS Study BOEM 2023-031. [https://espis.boem.gov/Final%20Reports/BOEM\\_2023-031.pdf](https://espis.boem.gov/Final%20Reports/BOEM_2023-031.pdf)

Tomco PL, Podgorski DC, Zito P, Redman ZC. 2023. Hydrocarbon oxidation products in Cook Inlet: formation and bioaccumulation in mussels. Fairbanks (AK): University of Alaska Coastal Marine Institute and U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 55 p. Report No.: OCS Study BOEM 2023-028. [https://espis.boem.gov/Final%20Reports/BOEM\\_2023-028.pdf](https://espis.boem.gov/Final%20Reports/BOEM_2023-028.pdf)

## 2022

Cuyno L, Schug D, Flight M, Bhattacharya A, Horsch E (Northern Economics, Inc., Anchorage, AK and Industrial Economics, Inc., Cambridge, MA). 2022. Kenai Peninsula Borough economy, 2008 to 2020. Anchorage (AK): U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 271 p. Report No.: OCS Study BOEM 2022-053. [https://espis.boem.gov/Final%20Reports/BOEM\\_2022-053.pdf](https://espis.boem.gov/Final%20Reports/BOEM_2022-053.pdf)

Haag J. 2022. The utility of radium as a tracer in a river-dominated system. Fairbanks (AK): University of Alaska Coastal Marine Institute and U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 20 p. Report No.: OCS Study BOEM 2022-046. [https://espis.boem.gov/Final%20Reports/BOEM\\_2022-046.pdf](https://espis.boem.gov/Final%20Reports/BOEM_2022-046.pdf)

Hearon G, Plana Casado A, Scott C, Dickins D (Coastal Frontiers Corporation, Moorpark, CA and DF Dickins Associates, LLC, Monterey, CA). 2022. Update of the river overflow on sea ice and strudel scour in the U.S. Beaufort Sea. Anchorage (AK): U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 98 p. plus appendices. Report No.: OCS Study BOEM 2022-044. [https://espis.boem.gov/Final%20Reports/BOEM\\_2022-044.pdf](https://espis.boem.gov/Final%20Reports/BOEM_2022-044.pdf)

Hennon G, Dilliplaine K. 2022. Investigating the impacts of oil exposure and changing snow cover on sea ice diatom communities in the Alaskan Arctic. Fairbanks (AK): University of Alaska Coastal Marine Institute and U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 45 p. Report No.: OCS Study BOEM 2022-062. [https://espis.boem.gov/Final%20Reports/BOEM\\_2022-062.pdf](https://espis.boem.gov/Final%20Reports/BOEM_2022-062.pdf)  
[https://espis.boem.gov/Final%20Reports/BOEM\\_2024-004.pdf](https://espis.boem.gov/Final%20Reports/BOEM_2024-004.pdf)

Kelley A, Burt W, Haag J. 2022. Exploring radium isotopes as tracers of groundwater inputs and flushing rates in Cook Inlet, Alaska. Fairbanks (AK): University of Alaska Coastal Marine Institute and U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 37 p. Report No.: OCS Study BOEM 2022-045. [https://espis.boem.gov/Final%20Reports/BOEM\\_2022-045.pdf](https://espis.boem.gov/Final%20Reports/BOEM_2022-045.pdf)

Kuletz KJ, Labunski EA, Morgan TC, Bankert A, Gall AE (USFWS, Migratory Bird Management, Anchorage, AK and ABR, Inc., Fairbanks, AK). 2022. Arctic ecosystem integrated survey, phase II: seabird community structure and seabird-prey dynamics. Anchorage (AK): U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 169 p. Report No.: OCS Study BOEM 2022-020. [https://espis.boem.gov/Final%20Reports/BOEM\\_2022-020.pdf](https://espis.boem.gov/Final%20Reports/BOEM_2022-020.pdf)

Labunski EA, Kuletz KJ, Lanctot S, Saalfeld S, Morgan TC, McGuire RL, Gall AE (USFWS, Migratory Bird Management, Anchorage, AK and ABR, Inc. Fairbanks, AK). 2022. Marine bird distribution and abundance in the northern Bering and Chukchi seas. Anchorage (AK): U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 174 p. Report No.: OCS Study BOEM 2022-067. [https://espis.boem.gov/Final%20Reports/BOEM\\_2022-067.pdf](https://espis.boem.gov/Final%20Reports/BOEM_2022-067.pdf)

Potter RA, Danielson SL. 2022. An analysis of surface currents in the western Beaufort and northeastern Chukchi seas. Final report. Fairbanks (AK): University of Alaska Coastal Marine Institute and U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 87 p. Report No.: OCS Study BOEM 2022-014. [https://espis.boem.gov/final%20reports/BOEM\\_2022-014.pdf](https://espis.boem.gov/final%20reports/BOEM_2022-014.pdf)

- Reynolds J. 2022. Coastal Marine Institute annual report 28, calendar year 2021. Fairbanks (AK): University of Alaska Coastal Marine Institute and U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 60 p.
- Roberts B, Culvern C (ABSG Consulting, Inc., Spring, TX). 2022. Oil-spill occurrence estimators: storm and vessel traffic adjustment factor analyses. Anchorage (AK): U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 58 p. Report No.: OCS Study BOEM 2022-013. [https://espis.boem.gov/final%20reports/BOEM\\_2022-013.pdf](https://espis.boem.gov/final%20reports/BOEM_2022-013.pdf)
- Southam AL, Ban S, Payne M, DeMaster DP (ECO49 Consulting, LLC, Bend, OR). 2022. Synthesis of effects of oil and gas activities on marine mammals on the Alaska Outer Continental Shelf. Anchorage (AK): U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 664 p. Report No.: OCS Study BOEM 2022-009. [https://espis.boem.gov/final%20reports/BOEM\\_2022-009\\_V1.pdf](https://espis.boem.gov/final%20reports/BOEM_2022-009_V1.pdf) [https://espis.boem.gov/final%20reports/BOEM\\_2022-009\\_V2.pdf](https://espis.boem.gov/final%20reports/BOEM_2022-009_V2.pdf) [https://espis.boem.gov/final%20reports/BOEM\\_2022-009\\_A.pdf](https://espis.boem.gov/final%20reports/BOEM_2022-009_A.pdf) [https://espis.boem.gov/final%20reports/BOEM\\_2022-009\\_B.pdf](https://espis.boem.gov/final%20reports/BOEM_2022-009_B.pdf)
- Ulaski BP, Hasan E, Kumar S, Stadler L. 2022. CMI graduate student projects: volume 5. The importance of seaweed wrack as habitat and resource in Cook Inlet; Subtidal habitat mapping in lower Cook Inlet for current and predictive sea otter habitat associations; Acoustics of Cook Inlet beluga whales and anthropogenic noise in the Kenai River, Alaska; Feeding ecology of nearshore fishes along a gradient of glacially-influenced watersheds in Kachemak Bay, Alaska. Fairbanks (AK): University of Alaska Coastal Marine Institute and U.S. Department of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region. 111 p. Report No.: OCS Study BOEM 2022-054. [https://espis.boem.gov/Final%20Reports/BOEM\\_2022-054.pdf](https://espis.boem.gov/Final%20Reports/BOEM_2022-054.pdf)

## 2021

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## 2.2 BOEM Alaska OCS External Publications by Year

This section includes peer reviewed journal articles, books, book chapters, and published conference proceeding papers sorted by year and then author. The references below include BOEM and its predecessors' full or partial funding or data or sample contributions to the work.

### 2024

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