

Minerals Management Service - Alaska Region - Environmental StudiesESS Home page: <http://www.mms.gov/alaska/ess/index.htm>

Program Lead	Region	NSL #	Start FY	TITLE
* PLANNED NEW STARTS (FY 2009)				
MMS	AK	08-10	09	Testing, Improvement, and New Alaska Data for MAG-PLAN (no web page)
MMS/NSSI	BS	08-09	09	Aggregate Effects Research & Environmental Mitigation Monitoring of Oil Operations in the Vicinity of Nuiqsut
MMS/TBD	CH	09-01	09	Pinniped Movements and Foraging: Walrus Habitat Use in the Potential Drilling Area (Chukchi)
MMS/CMI	CH	09-04	09	Mapping and Characterization of Recurring Polynyas and Landfast Ice in the Chukchi Sea
MMS/CMI	CH	09-06	09	Surface Current Circulation High Frequency (HF) Radar Mapping in the Chukchi Sea
MMS	CH / BS	NT-08-02	09	U.S. Arctic Coupled Ice-ocean Modeling
MMS/TBD	CH / BS	09-02	09	Passive Acoustic Detection and Monitoring of Endangered Whales in the Arctic (Beaufort, Chukchi)
MMS/BRD	CH / BS	09-03	09	Migration and Habitat Use by Threatened Spectacled Eiders in the Eastern Chukchi Near and Offshore Environment (BRD)
MMS/BRD	CH / BS	09-05	09	Demography and Behavior of Polar Bears Summering on Shore in Alaska (BRD) (Beaufort, Chukchi)
MMS	NAB	08-07	09	Juvenile and Maturing Salmon Use of the North Aleutian Basin Lease Area
MMS/NOAA	NAB	08-08	09	Spatial and Temporal Mapping of Nearshore Juvenile Fish & Settling Crab in the North Aleutian Basin
<i>*Note: The procurement of any study is contingent upon availability of funding</i>				
ONGOING STUDIES				
Physical Oceanography				
MMS/NOPP	AK	NOPP	07	Comprehensive Modeling Approach Towards Understanding and Prediction of the Alaskan Coastal System Response to Changes in arctic Ice Diminished Arctic
MMS	BS	03-01	03	Beaufort Sea Nearshore Currents
MMS	BS	06-03	06	Feasibility and Study Design for Boundary Oceanography of the Beaufort Sea
MMS / CMI	BS	93-48-65	06	Idealized Process Model Studies of Circulation in the Landfast Ice Zone of the Alaskan Beaufort Sea
MMS	BS	06-06	06	Mapping Sea Ice Overflood Using Remote Sensing from Smith Bay to Camden Bay
MMS/UAJF	BS	06-x13	06	Support of the Collection of Meteorological Data on the North Slope and Beaufort Sea, Alaska
MMS/NOPP	BS	NOPP	07	Circulation, Cross-Shelf Exchange, Sea Ice, & Marine Mammal Habitats on the AK Beaufort Sea Shelf
MMS / NOPP	BS + other	04-08	04	Surface Circulation Radar Mapping in Alaskan Coastal Waters: Field Study Beaufort Sea and Cook Inlet
MMS	CH / BS	06-05	06	Beaufort/Chukchi Seas Mesoscale Meteorology Modeling Study Phase II
MMS	NAB	07-x14	07	Modeling of Circulation in the North Aleutian Basin
MMS / CMI	Cook Inlet	93-48-59	04	Seasonality of Biophysical Boundary Conditions for Cook Inlet, Alaska
Fates & Effects				
MMS / CMI	BS	93-48-61	05	Assessment of the Direction and Rate of Alongshore Transport of Sand and Gravel In Petroleum Development Region of the North Slope of Alaska
MMS / CMI	BS	93-48-64	06	Synthesis of Time Interval changes in Trace Metals & Hydrocarbons in Nearshore Sediments of the AK Beaufort Sea: A Statistical Analysis
MMS/NOPP	BS	NOPP	07	Toward a Predictive Model of Arctic Coastal Retreat in a Warming Climate, Beaufort Sea, Alaska
MMS	CH	08-03	08	COMIDA: Chemistry and Benthos (CAB)
MMS	CH / BS	05-x12	05	Updates to the Fault Tree Approach to Oil Spill Occurrence Estimators for the Beaufort and Chukchi Sea
Habitat and Ecology				
MMS/BRD	BS	n/a	06	Testing Molecular & Otolith Tools to Investigate Population-of-Origin & Mitigation in Arctic Cisco Found in Colville River, Alaska
MMS / CMI	BS	08-12-02	08	Recovery in a High Arctic Kelp Community
MMS / NMFS	BS	06-04	07	Beaufort Sea Marine Fish Monitoring: Pilot Survey and Test of Hypotheses
MMS / CMI	BS	93-48-60	04	Evaluating a Potential Relict Arctic Invertebrate and Algal Community on the West Side of Cook Inlet
MMS / CMI	BS	93-48-51	03	Foraging Ecology of Common Ravens on Alaska's Coastal Plain and Relationship to O&G Development
MMS / CMI	CH	93-48-67	07	Current & Historic Distribution & Ecology of Demersal Fishes in the Chukchi Sea Planning Area
MMS/BRD	CH / BS	07-05	09	Arctic Fish Ecology Catalogue
MMS/NOPP	CH / BS	NOPP	07	Upwelling of Zooplankton within a Bowhead Whale Feeding Area Near Barrow, AK
MMS / CMI	NAB	08-12-03	08	Biogeochemical Assessment of the North Aleutian Basin Ecosystem: Current Status & Vulnerability to Climate Change
Marine Mammals and Protected Species				
MMS / CMI	BS	93-48-56	04	Premigratory Movements and Physiology of Shorebirds Staging on Beaufort Littoral Zone
MMS / Canada	BS + other	05-05	05	Assessing Reproduction and Body Condition of the Ringed Seal Near Sachs Harbour, Northwest Territory, Canada, through a Harvest-based Sampling Program
MMS	CH	08-02	08	COMIDA: Distribution and Relative Abundance of Marine Mammals: Aerial Survey
MMS / BRD	CH	07-04a	07	Monitoring Marine Birds of Concern in the Eastern Chukchi Nearshore Area (Loons)
MMS / NMML	CH	07-08	07	Pinniped Movements and Foraging
MMS / ADF&G / CMI	CH	93-48-66	07	Satellite Tracking of Walrus in the Chukchi sea: The Planning Phase
MMS / NMML / Canada DFO	CH / BS	06-01	05	Bowhead Feeding Variability in the Western AK Beaufort Sea: Satellite Tracking of Bowhead Whales

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MMS / NMML	CH / BS	06-01	05	Bowhead Feeding Variability in the Western AK Beaufort Sea: Oceanography and Feeding																
MMS / NMML	CH / BS	07-01	07	Monitoring the Distribution of Arctic Whales																
MMS/ Canada	CH / BS	05-02	05	Population and Sources of Recruitment in Polar Bears																
MMS / ADF&G / CMI / BRD	CH / BS	93-48-62	05	Radio Frequency Identification Tags for Grizzly and Polar Bear Research																
MMS / NMML	NAB	07-x13	07	Distribution, Abundance, and Habitat Use of North Pacific Right Whales																
MMS / NMML	Cook Inlet	03-10	03	Distribution and Abundance of Harbor Seals in Cook Inlet																
MMS / NMML	Cook Inlet	04-07	04	Movements and Habitat Use of Harbor Seals in Cook Inlet																
Social Systems																				
MMS	AK	03-12	03	Social and Economic Assessment of Major Oil Spill Litigation Settlement for the Alaska OCS Region																
MMS / NMML	BS	08-01	08	Continuation of Impact Assessment for Cross Island Whaling Activities-Beaufort Sea																
MMS	BS	02-07	02	Subsistence Mapping of Nuiqsut, Kaktovik and Barrow: Past and Present Comparison																
MMS	CH	08-04	09	COMIDA: Impact Monitoring for Offshore Subsistence Hunting																
MMS / CMI	CH	93-48-68	07	Traditional Knowledge Regarding Bowhead Whales in the Chukchi Sea																
MMS / CESU (UAF) / NSF	CH / BS	05-04a	07	Study of Sharing Networks to Assess the Vulnerabilities of Local Communities to O&G Development Impacts in Arctic Alaska																
MMS	NAB	08-06	08	Subsistence Study for North Aleutian Basin																
Multidisciplinary																				
MMS	BS	03-14-01	03	Continuation of Arctic Nearshore Impact Monitoring in Development Area (cANIMIDA)																
MMS	BS	03-14-02	03	TO#2 - Hydrocarbons and Metal Characterization of Sediments in the cANIMIDA Study Area																
MMS	BS	03-14-03	03	TO#3 - Sources, Concentrations, and Dispersion Pathways for Suspended Sediment in the cANIMIDA Study Area																
MMS	BS	03-14-04	03	TO#4 - Partitioning of Potential Contaminants between Dissolved and Particulate Phases in the cANIMIDA Study Area																
MMS	BS	03-14-05	03	TO#5 - Integrated Biomonitoring and Bioaccumulation of Contaminants in the cANIMIDA Study Area																
MMS	BS	03-14-06	03	TO#6 - Monitoring the "Boulder Patch" as part of the cANIMIDA Study Program																
MMS	BS	03-14-07	03	TO#7 - Continuation of Annual Assessment of Subsistence Bowhead Whaling Near Cross Island as part of the cANIMIDA Study Program																
Information Management																				
MMS / CMI	AK	08-12-01	08	MMS-University of Alaska Fairbanks-State of Alaska Coastal Marine Institute Management																
MMS	AK	07-02	07	Management, Logistics, and Warehouse Storage of Oceanographic Equipment																
MMS	AK	07-06	08	Conference Management and Reports on MMS Results																
NPRB/MMS	AK	09-x10	09	Alaska Marine Science Symposium-2009																
Other (Research Partnerships)																				
<table border="1"> <thead> <tr> <th colspan="2">Region Codes</th> </tr> </thead> <tbody> <tr> <td>Beaufort Sea</td> <td>BS</td> </tr> <tr> <td>BS + Other regions</td> <td>BS + other</td> </tr> <tr> <td>Chukchi Sea</td> <td>CH</td> </tr> <tr> <td>Chukchi & Beaufort Sea</td> <td>CH / BS</td> </tr> <tr> <td>North Aleutian Basin</td> <td>NAB</td> </tr> <tr> <td>Cook Inlet</td> <td>C.I.</td> </tr> <tr> <td>All</td> <td>AK</td> </tr> </tbody> </table>				Region Codes		Beaufort Sea	BS	BS + Other regions	BS + other	Chukchi Sea	CH	Chukchi & Beaufort Sea	CH / BS	North Aleutian Basin	NAB	Cook Inlet	C.I.	All	AK	<p>MMS Technology Assessment and Research Program (TAR)</p> <p>MMS-University of Alaska Fairbanks-State of Alaska Coastal Marine Institute (CMI)</p> <p>Cooperative Ecosystem Studies Unit (CESU); University of Alaska Fairbanks (UAF); University of Washington (UW)</p> <p>USGS/Biological Resources Division (BRD)</p> <p>National Oceanographic Partnership Program; eg. <i>Comprehensive Modeling Approach Towards Understanding and Prediction of the Alaskan Coastal System Response to Changes in an Ice Diminished Arctic</i></p> <p>Federal Inter-agency Agreements: eg. NOAA-National Marine Fisheries Service (NMFS) / National Marine Mammal Laboratory (NMML)</p> <p>National Science Foundation (NSF)</p> <p>North Slope Science Initiative (NSSI)</p> <p>North Pacific Research Board (NPRB); eg. Marine Science Symposium co-sponsor</p> <p>National Aeronautics and Space Administration (NASA)</p> <p>National Fish and Wildlife Foundation</p> <p>Cold Regions Research Engineering Laboratory (CRREL) (US Army Corps of Engineers)</p> <p>Alaska Ocean Observing System (AOOS)</p> <p>Alaska Department of Fish and Game (ADF&G)</p> <p>Industry Studies</p> <p>Arctic Monitoring and Assessment Programme (AMAP)</p> <p>Canadian Department of Fisheries/Oceans (DFO)</p>
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