

**MMS Alaska Environmental Studies Ongoing Program
FY 2010**

April 2010

Minerals Management Service - Alaska Region - Environmental Studies

ESS Home page: <http://www.mms.gov/alaska/ess/index.htm>

Program Lead	Region	Topic Code	NSL #	Start FY	TITLE
* PLANNED NEW STARTS (FY 2010)					
MMS	CH / BS	PO	NT-08-02	10	Adaptation of Arctic Circulation Model
MMS/NMML	CH / BS	MM	AK-10-02	10	Bowhead Whale Feeding Variability in the Western Alaskan Beaufort Sea: Oceanography and Feeding (Extension)
MMS	AK	IM	AK-10-04	10	Management, Logistics, and Warehouse Storage of Oceanographic Equipment
MMS	CH	MM	AK-10-05	10	COMIDA: Distribution and Relative Abundance of Marine Mammals: Aerial Surveys (Extension)
MMS	AK	PO	AK-10-07	10	Evaluation of the Use of Hindcast Model Data for OSRA in a Period of Rapidly Changing Conditions
MMS	CH / BS	HE	AK-10-09	10	Joint Funding Opportunities in Existing Marine Fish Studies
MMS	AK	IM	AK-10-14	10	Alaska State-Wide Oceans Research and Studies Project Browser Covering the Alaska Offshore and Coastal Areas
<i>*Note: The procurement of any study is contingent upon availability of funding</i>					
ONGOING STUDIES					
<i>Physical Oceanography</i>					
MMS	BS	PO	AK-06-03	06	Feasibility and Study Design for Boundary Oceanography of the Beaufort Sea
MMS / CMI	BS	PO	AK-93-48-65	06	Idealized Process Model Studies of Circulation in the Landfast Ice Zone of the Alaskan Beaufort Sea
MMS/UAF	BS	PO	AK-06-x13	06	Support of the Collection of Meteorological Data on the North Slope and Beaufort Sea, Alaska
MMS/NOPP	BS	PO	NOPP	07	Circulation, Cross-Shelf Exchange, Sea Ice, & Marine Mammal Habitats on the AK Beaufort Sea Shelf
MMS / NOPP	BS + other	PO	AK-04-08	04	Surface Circulation Radar Mapping in Alaskan Coastal Waters: Field Study Beaufort Sea and Cook Inlet
MMS/CMI	CH	PO	AK-09-04	09	Mapping and Characterization of Recurring Polynyas and Landfast Ice in the Chukchi Sea
MMS/CMI	CH	PO	AK-09-06	09	Surface Current Circulation High Frequency (HF) Radar Mapping in the Chukchi Sea
MMS	CH / BS	PO	AK-06-05	06	Beaufort/Chukchi Seas Mesoscale Meteorology Modeling Study Phase II
MMS / PMEL	CH / BS	PO	AK-09-02	09	COMIDA: Ecosystem Observations in the Chukchi Sea: Biophysical Moorings and Climate Modeling (Award Pending)
MMS	NAB	PO	AK-07-x14	07	Modeling of Circulation in the North Aleutian Basin
MMS/NOPP	AK	PO	NOPP	07	Comprehensive Modeling Approach Towards Understanding and Prediction of the Alaskan Coastal System Response to Changes in ar Ice Diminished Arctic
<i>Fates & Effects</i>					
MMS/NOPP	BS	FE	NOPP	07	Toward a Predictive Model of Arctic Coastal Retreat in a Warming Climate, Beaufort Sea, Alaska
MMS	CH	FE	AK-08-03	08	COMIDA: Chemistry and Benthos (CAB)
MMS	CH / BS	FE	AK-05-x12	05	Updates to the Fault Tree Approach to Oil Spill Occurrence Estimators for the Beaufort and Chukchi Sea
<i>Habitat and Ecology</i>					
MMS/BRD	BS	HE	AK-06-08	06	Testing Molecular & Otolith Tools to Investigate Population-of-Origin & Mitigation in Arctic Cisco Found in Colville River, Alaska
MMS / CMI	BS	HE	AK-08-12-02	08	Recovery in a High Arctic Kelp Community
MMS / NMFS	BS	HE	AK-06-04	07	Beaufort Sea Marine Fish Monitoring: Pilot Survey and Test of Hypotheses
MMS / NMFS	BS	HE	AK-10-06	10	Beaufort Sea Marine Fish Monitoring Survey in the Central Beaufort Sea
MMS / CMI	CH	HE	AK-93-48-67	07	Current & Historic Distribution & Ecology of Demersal Fishes in the Chukchi Sea Lease Area
MMS / CMI	CH	HE	AK-08-12-05	09	Trophic Links: Forage Fish, Their Prey, and Ice Seals in the Northeast Chukchi Sea
MMS / FWS	CH	HE	AK-10-10	10	Seabird Distribution and Abundance in the Offshore Environment
MMS/BRD	CH / BS	HE	AK-07-05	09	Arctic Fish Ecology Catalogue
MMS/NOPP	CH / BS	HE	NOPP	07	Upwelling of Zooplankton within a Bowhead Whale Feeding Area Near Barrow, AK
MMS / CMI	CH / BS	HE	AK-08-12-06	09	Population Connectivity and Larval Dispersal in Bering, Chukchi, & Beaufort Sea Snow Crab Populations: Estimating Spatial Scales of Disturbance Impacts
MMS	NAB	HE	AK-08-07	09	Juvenile and Maturing Salmon Use of the North Aleutian Basin Lease Area
MMS/NOAA	NAB	HE	AK-08-08	09	Spatial and Temporal Mapping of Nearshore Juvenile Fish & Settling Crab in the North Aleutian Basin
MMS / CMI	NAB	HE	AK-08-12-03	08	Biogeochemical Assessment of the North Aleutian Basin Ecosystem: Current Status & Vulnerability to Climate Change
<i>Marine Mammals and Protected Species</i>					
MMS / CMI	BS	MM	AK-93-48-56	04	Premigratory Movements and Physiology of Shorebirds Staging on Beaufort Littoral Zone
MMS / Canada	BS	MM	AK-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	MM	AK-08-02	08	COMIDA: Distribution and Relative Abundance of Marine Mammals: Aerial Survey
MMS / BRD	CH	MM	AK-07-04a	07	Monitoring Marine Birds of Concern in the Eastern Chukchi Nearshore Area (Loons)
MMS / NMML	CH	MM	AK-07-08	07	Pinniped Movements and Foraging: Bearded Seals
MMS/TBD	CH	MM	AK-09-01	09	Pinniped Movements and Foraging: Walrus Habitat Use in the Potential Drilling Area (Chukchi)
MMS / NMML/ Canada DFO	CH / BS	MM	AK-06-01; AK-10-01	05	Bowhead Feeding Variability in the Western AK Beaufort Sea: Satellite Tracking of Bowhead Whales
MMS / NMML	CH / BS	MM	AK-06-01	05	Bowhead Feeding Variability in the Western AK Beaufort Sea: Oceanography and Feeding
MMS / NMML	CH / BS	MM	AK-07-01	07	Monitoring the Distribution of Arctic Whales
MMS/BRD	CH / BS	MM	AK-09-05	09	Demography and Behavior of Polar Bears Summering on Shore in Alaska
MMS/ Canada	CH / BS	MM	AK-05-02	05	Population and Sources of Recruitment in Polar Bears
MMS/BRD	CH / BS	MM	AK-09-03	09	Migration and Habitat Use by Threatened Spectacled Eiders in the Eastern Chukchi Near and Offshore Environment
MMS/NMML	CH / BS	MM	AK-09-02	09	COMIDA: Passive Acoustic Detection and Monitoring of Endangered Whales in the Arctic (Award Pending)
MMS / NMML	NAB	MM	AK-07-x13	07	Distribution, Abundance, and Habitat Use of North Pacific Right Whales
MMS / NMML	C.I.	MM	AK-03-10	03	Distribution and Abundance of Harbor Seals in Cook Inlet
MMS / NMML	C.I.	MM	AK-04-07	04	Movements and Habitat Use of Harbor Seals in Cook Inlet
<i>Social Systems</i>					
MMS/NSSI	BS	SS	AK-08-09	09	Aggregate Effects Research & Environmental Mitigation Monitoring of Oil Operations in the Vicinity of Nuiqsut
MMS / NMML	BS	SS	AK-08-01	08	Continuation of Impact Assessment for Cross Island Whaling Activities-Beaufort Sea
MMS / CMI	BS	SS	AK-08-12-04	09	Subsistence Use and Knowledge of Beaufort Salmon Populations
MMS	CH	SS	AK-08-04	09	COMIDA: Impact Monitoring for Offshore Subsistence Hunting
MMS/CESU (UAF)/NSF	CH / BS	SS	AK-05-04a	07	Study of Sharing Networks to Assess the Vulnerabilities of Local Communities to O&G Development Impacts in Arctic Alaska
MMS	NAB	SS	AK-08-06	08	Subsistence Study for North Aleutian Basin
MMS	AK	SS	AK-08-10	09	Testing, Improvement, and New Alaska Data for MAG-PLAN
MMS	AK	SS	AK-03-12	03	Social and Economic Assessment of Major Oil Spill Litigation Settlement for the Alaska OCS Region
<i>Multidisciplinary</i>					
MMS	BS	MULTI	AK-03-14-01	03	Continuation of Arctic Nearshore Impact Monitoring in Development Area (cANIMIDA)
<i>Information Management</i>					

MMS Alaska Environmental Studies Ongoing Program

Program Lead	Region	Topic Code	NSL #	Start FY	TITLE																		
MMS / CMI	AK	IM	AK-08-12-01	08	MMS-University of Alaska Fairbanks-State of Alaska Coastal Marine Institute Management																		
NPRB / MMS	AK	IM	AK-10-03	10	Alaska Marine Science Symposium (co-sponsor)																		
MMS	AK	IM	07-02	07	Management, Logistics, and Warehouse Storage of Oceanographic Equipment																		
MMS	AK	IM	07-06	08	Conference Management and Reports on MMS Results																		
Research Partnerships																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">Region Codes</th> </tr> </thead> <tbody> <tr> <td style="width: 15%;">Beaufort Sea</td> <td style="background-color: #ffffcc;">BS</td> </tr> <tr> <td>BS + Other regions</td> <td style="background-color: #ffcc00;">BS + other</td> </tr> <tr> <td>Chukchi Sea</td> <td style="background-color: #add8e6;">CH</td> </tr> <tr> <td>Chukchi & Beaufort Sea</td> <td style="background-color: #90ee90;">CH / BS</td> </tr> <tr> <td>North Aleutian Basin</td> <td style="background-color: #ccccff;">NAB</td> </tr> <tr> <td>Cook Inlet</td> <td style="background-color: #e0e0e0;">C.I.</td> </tr> <tr> <td>All</td> <td style="background-color: #d3d3d3;">AK</td> </tr> <tr> <td>Chukchi & North Aleutian Basin</td> <td style="background-color: #00bfff;">CH / NAB</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	Chukchi & North Aleutian Basin	CH / NAB
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																						
Chukchi & North Aleutian Basin	CH / NAB																						
<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) / US Fish and Wildlife Service (FWS) / PMEL (Pacific Marine Environmental Laboratory)</p> <p>National Science Foundation (NSF)</p> <p>North Slope Science Initiative (NSSI)</p> <p>North Pacific Research Board (NPRB)</p> <p>National Aeronautics and Space Administration (NASA)</p> <p>National Fish and Wildlife Foundation</p> <p>Alaska Ocean Observing System (AOOS)</p> <p>Aleutians East Borough (AEB)</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>																							

MMS	BS	SS	AK-02-07		2
MMS / CMI	CH	SS	AK-93-48-68		7
MMS	BS	MULTI	AK-03-14-02		3