FY 2008 MMS ALASKA ENVIRONMENTAL STUDIES ONGOING PROGRAM

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

Program Lead	Region	Start FY	TITLE
			PLANNED NEW STARTS (FY 2008)
MMS	СН	08	COMIDA: Chemistry and Benthos (CAB)
MMS/NMFS- NMML	СН	08	COMIDA: Distribution and Relative Abundance of Marine Mammals: Aerial Survey
MMS / NMML	BS	08	Continuation of Impact Assessment for Cross Island Whaling Activities-Beaufort Sea
MMS	СН	08	COMIDA: Impact Monitoring for Offshore Subsistence Hunting
IMS / CMI	NAB	08	Biogeochemical Assessment of the North Aleutian Basin Ecosystem: Current Status & Vulnerability to Climate Change
MMS	NAB	08	Subsistence Study for North Aleutian Basin
			StudiesDeferred Until FY 2009
MMS	NAB	09	**Juvenile and Maturing Salmon Use of the North Aleutian Basin Lease Area
MMS	NAB	09	** Spatial and Temporal Mapping of Nearshore Juvenile Fish & Settling Crab in the North Aleutian Basin
MMS / NSB	CH / BS	09	** Monitoring the Health of Subsistence Harvested Bowhead Whales
MMS / NSSI	BS	09	** Aggregate Effects Research and Environmental Mitigation Monitoring of Oil Industry Operations in the Vicinity of Nuiqsut
			** Allocation for these studies has been previously approved. Profiles can be found in the Alaska Annual Studies Plan Fin FY 2008, pp. 143-148. (USDOI, MMS, Alaska OCS Region, 2007a).
			ONGOING STUDIES
	20		Physical Oceanography
	BS	06	Beaufort Sea Mesoscale Meteorology
	BS	03	Beaufort Sea Nearshore Currents
MMS	BS	06	Feasibility and Study Design for Boundary Oceanography of the Beaufort Sea
MMS / CMI	BS	06	Idealized Process Model Studies of Circulation in the Landfast Ice Zone of the Alaskan Beaufort Sea.
MMS	BS	06	Mapping Sea Ice Overflood Using Remote Sensing from Smith Bay to Camden Bay
MMS	BS	07	Support of the Collection of Meteorological Data on the North Slope and Beaufort Sea, Alaska
MMS	BS + other	04	Surface Circulation Radar Mapping in Alaskan Coastal Waters: Field Study Beaufort Sea and Cook Inlet
	CH / BS	03	Sea Ice Modeling for Nearshore Beaufort and Chukchi Seas
	CH / BS	04	Simulation of Landfast Sea Ice Along the Alaska Coast
-	NAB	07	Modeling of Circulation in the North Aleutian Basin
MMS / CMI	Cook Inlet	04	Seasonality of Biophysical Boundary Conditions for Cook Inlet, Alaska
MMS / CMI	Cook Inlet	02	Water and Ice Dynamics in Cook Inlet
	DC.	05	Fates & Effects
	BS	05	Assessment of the Direction and Rate of Alongshore Transport of Sand and Gravel In Petroleum Development Region of the North Slope of Alaska
		06	Synthesis of Time Interval changes in Trace Metals & Hydrocarbons in Nearshore Sediments of the AK Beaufort Sea: A Statistical Analysis
MMS	CH / BS	04	Empirical Weathering Properties of Oil in Snow and Ice
MMS / CMI	CH/BS	04	Sea-Ice-Ocean-Oilspill Modeling System (SIOMS) for the Nearshore Beaufort and Chukchi Seas:Improvement & Parameterization (Phase II)
MMS	CH / BS	05	Updates to the Fault Tree Approach to Oil Spill Occurrence Estimators for the Beaufort and Chukchi Sea
			Biology
MMS / CMI	BS	08	Recovery in a High Arctic Kelp Community
MMS / NMFS	BS	07	Beaufort Sea Marine Fish Monitoring: Pilot Survey and Test of Hypotheses
MMS / CMI	C.I.	04	Evaluating a Potential Relict Arctic Invertebrate and Algal Community on the West Side of Cook Inlet
MMS / CMI	BS	03	Foraging Ecology of Common Ravens on Alaska's Coastal Plain and Relationship to O&G Development
MMS/BRD	BS	06	Arctic Cisco Genetics and Otolith Microchemistry
MMS/BRD	BS + other	06	Use of the Beaufort Sea by King Eiders
MMS	BS + other	04	Review and Monitoring Ambient Artificial Light Intensity in the OCS and the Potential for Effects on Resident Fauna
MMS / CMI	СН	07	Current & Historic Distribution & Ecology of Demersal Fishes in the Chukchi Sea Planning Area
MMS / BRD	CH/BS	08	Arctic Fish Ecology Catalogue
			Protected Species
	BS	04	Premigratory Movements and Physiology of Shorebirds Staging on Beaufort Littoral Zone
MMS / Canada	BS + other	05	Assessing Reproduction and Body Condition of the Ringed Seal Near Sachs Harbour, Northwest Territory, Canada, through a Harve based Sampling Program
MMS / BRD	СН	07	Monitoring Marine Birds of Concern in the Eastern Chukchi Nearshore Area (Loons)
MMS / NMML	СН	07	Pinniped Movements and Foraging
	СН	07	Satellite Tracking of Walruses in the Chukchi sea: The Planning Phase
			Aerial Photography of Bowhead Whales to Estimate the Size of the Bering-Chukchi-Beaufort Population
CMI	CH / BS	∩⊿	
	CH / BS CH / BS	04 05	Bowhead Whale Feeding Program: A. Satellite Tagging & Tracking

Alaska OCS Region

FY 2008 MMS ALASKA ENVIRONMENTAL STUDIES

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Program Lead	Region	Start FY	TITLE
MMS / CMI	CH / BS	02	King and Common Eider Migrations Past Point Barrow
MMS / NMML	CH / BS	07	Monitoring the Distribution of Arctic Whales
MMS/ Canada	CH / BS	05	Population and Sources of Recruitment in Polar Bears
MMS / ADF&G / CMI / BRD	CH / BS	05	Radio Frequency Identification Tags for Grizzly and Polar Bear Research
MMS / NMML	NAB	07	Distribution, Abundance, and Habitat Use of North Pacific Right Whales
MMS / NMML	Cook Inlet	03	Distribution and Abundance of Harbor Seals in Cook Inlet
MMS / NMML	Cook Inlet	04	Movements and Habitat Use of Harbor Seals in Cook Inlet
	•		Social & Economic
MMS	BS	02	Subsistence Mapping of Nuiqsut, Kaktovik and Barrow: Past and Present Comparison
MMS / CMI	СН	07	Traditional Knowledge Regarding Bowhead Whales in the Chukchi Sea
MMS	CH / BS	04	Researching Technical Dialogue with Alaskan Coastal Communities: Analysis of the Social, Cultural, Linguistic, and Institutional Parameters of Public/Agency Communication Patterns
MMS /CESU	CH / BS	07	Study of Sharing Networks to Assess the Vulnerabilities of Local Communities to O&G Development Impacts in Arctic Alaska
{UAF} /NSF MMS	AK	98	Publication of a Book/Synthesis on the Socioeconomic Effects of Oil &Gas Industry Activity on the Alaskan OCS
MMS	AK	03	Social and Economic Assessment of Major Oil Spill Litigation Settlement for the Alaska OCS Region
			Multidisciplinary
MMS	BS	03	Continuation of Arctic Nearshore Impact Monitoring in Development Area (cANIMIDA)
	1	I	Other
MMS	AK	08	Conference Management and Reports on MMS Results
MMS	AK	07	Management, Logistics, and Warehouse Storage of Oceanographic Equipment
MMS / CMI	AK	08	MMS-University of Alaska Fairbanks-State of Alaska Coastal Marine Institute Management
			Other (Research Partnerships)
		1	MMS Technology Assessment and Research Program (TAR)
Region Codes			MMS-University of Alaska Fairbanks-State of Alaska Coastal Marine Institute (CMI)
Beaufort Sea	BS		Cooperative Ecosystem Studies Unit (CESU); University of Alaska Fairbanks (UAF); University of Washington (UW)
BS + Other regions	BS + other		USGS/Biological Resources Division (BRD)
Chukchi Sea	СН		National Oceanographic Partnership Program; eg. Comprehensive Modeling Approach Towards Understanding and Prediction of the Alaskan Coastal System Response to Changes in an Ice Diminished Arctic
Chukchi & Beaufort Sea	CH/BS		Federal Inter-agency Agreements: eg. NOAA-National Marine Fisheries Service (NMFS) / National Marine Mammal Laboratory (NMML)
North Aleutian	NAB		National Science Foundation (NSF)
Basin Cook Inlet	C.I.		North Slope Science Initiative (NSSI)
All	AK		North Pacific Research Board (NPRB); eg. Marine Science Symposium co-sponsor
	1	J	National Aeronautics and Space Administration (NASA)
			National Fish and Wildlife Foundation
			Cold Regions Research Engineering Laboratory (CRREL) (US Army Corps of Engineers)
			Alaska Ocean Observing System (AOOS)
			Alaska Department of Fish and Game (ADF&G)
			Industry Studies
			Industry Studies Arctic Council (AMAP)