

Bureau of Ocean Energy Management
Alaska Region - Environmental Studies Program

Home page: <http://www.boem.gov/akstudies/>

Planning Area	NSL #	Partners	Project Contact	TITLE
* PLANNED NEW STARTS (FY 2012)				
Beaufort Chukchi	AK-11-11			Workshop—Interagency Protocols for Immediate On-Scene Arctic Oil Spill Impact Science [Information Management]
Beaufort Chukchi	AK-11-12			Loss of Well Control Occurrence and Size Estimators for Alaska OCS [Fates and Effects]
Beaufort Chukchi	AK-12-01			Conference Management and Reports on BOEM Results [Information Management]
Beaufort Chukchi	AK-12-02			Satellite Tracking of Bowhead Whales: Habitat Use, Passive Acoustic and Environmental Monitoring [Protected Species]
*Note: The procurement of any study is contingent upon availability of funding				
ONGOING STUDIES				
Air Quality and Meteorology				
Beaufort Chukchi	AK-06-05		Horowitz	Beaufort/Chukchi Seas Mesoscale Meteorology Modeling Study Phase II
Physical Oceanography				
Chukchi	AK-08-12-08	CMI	Horowitz	Satellite-Tracked Drifter Measurements in the Northeast Chukchi Sea
Chukchi	AK-09-02b	PMEL	Crowley	COMIDA: Factors Affecting the Distribution and Relative Abundance of Endangered Whales: Biophysical Moorings and Climate Modeling
Chukchi	AK-09-06	CMI	Horowitz	Application of High Frequency Radar to Potential Hydrocarbon Development Areas in the Northeast Chukchi Sea
Beaufort Chukchi	AK-12-03a		Horowitz	Characterization of the Circulation on the Continental Shelf Areas of the Northeast Chukchi and Western Beaufort Seas
Beaufort Chukchi	NT-08-02		Johnson	Adaptation of Arctic Circulation Model
Fates and Effects				
Chukchi	AK-08-12-12	CMI	Crowley	Evaluating Chukchi Sea Trace Metals and Hydrocarbons Sourced from Nearby Coastal Rivers
Beaufort Chukchi	AK-11-01		Smith	Updates to the Fault Tree for Oil-Spill Occurrence Estimators Needed Under the Forthcoming BOEM 2012-2017, 5-Year Program
Beaufort Chukchi	AK-11-02		Crowley	Oil Spill Occurrence Estimators for Onshore Alaska North Slope Crude and Refined Oil Spills
Beaufort	AK-11-14a		Coon	ANIMIDA III: Boulder Patch and Other Kelp Communities in the Development Area
Habitat and Ecology				
Beaufort Chukchi	AK-07-05	BRD	Wedemeyer	Arctic Fish Ecology Catalogue
Chukchi	AK-08-12-03	CMI	Deschu	Biogeochemical Assessment of the OCS Arctic Waters: Current Status & Vulnerability to Climate Change
Chukchi	AK-08-12-05	CMI	Wedemeyer	Trophic Links: Forage Fish, Their Prey, and Ice Seals in the Northeast Chukchi Sea
Beaufort	AK-08-12-07	CMI	Wedemeyer	Epifaunal Communities in the Central Beaufort Sea
Beaufort Chukchi	AK-08-12-09	CMI	Coon	Population Assessment of Snow Crab, <i>Chionoecetes opilio</i>, in the Chukchi and Beaufort Seas Including Oil and Gas Lease Areas
Chukchi	AK-08-12-11	CMI	Wedemeyer	Dispersal Patterns and Summer Ocean Distribution of Adult Dolly Varden from the Wulik River, Alaska, Evaluated Using Satellite Telemetry
Beaufort	AK-10-06	NMFS	Wedemeyer	Beaufort Sea Marine Fish Monitoring Survey in the Central Beaufort Sea
Beaufort Chukchi	AK-10-09	University of Alaska	Wedemeyer	Joint Funding Opportunities in Existing Marine Fish Studies
Beaufort Chukchi	AK-10-10	FWS	Coon	Seabird Distribution and Abundance in the Offshore Environment
Chukchi	AK-11-03	CESU-UT	Crowley	Hanna Shoal Ecosystem Study
Chukchi	AK-11-08	NOAA	Coon	Distribution of Fish, Crab and Lower Trophic Communities in the Chukchi Sea Lease Area
Beaufort	AK-11-10a	USGS	Coon	Shorebirds and Infaunal Abundance and Distribution on Delta Mudflats along the Beaufort Sea
Beaufort	AK-11-10b	CESU-UAF	Coon	Wading Shorebirds Habitats, Food Resources, Associated Infauna, Sediment Characteristics and Biomediation Potential of Resident Microbiota of Deltaic Mudflats
Beaufort Chukchi	AK-11-13a	USGS	Wedemeyer	Arctic Cod Pilot Genetics and Toxicity Study
Beaufort	AK-12-04	DFO	Wedemeyer	U.S.-Canada Transboundary Fish and Lower Trophic Communities
Beaufort Chukchi	AK-12-06	NOAA	Coon	Distribution and Habitat Use of Fish in the Nearshore Ecosystem of the Beaufort and Chukchi Seas

Alaska Environmental Studies Ongoing Program

Marine Mammals and Protected Species				
Beaufort Chukchi	AK-05-02	DFO	Cody	Populations and Sources of Recruitment in Polar Bears
Beaufort Chukchi	AK-06-01; AK-10-01	ADFG	Denton	Bowhead Feeding Variability in the Western Alaska Beaufort Sea: Satellite Tracking of Bowhead Whales
Beaufort Chukchi	AK-06-01; AK-10-02	NMML	Denton	Bowhead Feeding Variability in the Western Alaska Beaufort Sea: Oceanography and Feeding
Chukchi	AK-07-04a	BRD	Coon	Monitoring Marine Birds of Concern in the Eastern Chukchi Nearshore Area (Loons)
Chukchi	AK-07-08	NMML	Holiday	Pinniped Movements and Foraging: Bearded Seals
Beaufort Chukchi	AK-08-12-10	CMI	Denton	A Year in the Life of a Bowhead Whale: An Animated Film
Chukchi	AK-09-01	ADFG	Coon	Pinniped Movements and Foraging: Walrus Habitat Use in the Potential Drilling Area
Beaufort Chukchi	AK-09-02a	NMML	Crowley	COMIDA: Factors Affecting the Distribution and Relative Abundance of Endangered Whales: Passive Acoustic Detection and Monitoring of Endangered Whales in the Arctic
Beaufort Chukchi	AK-09-03	BRD	Coon	Migration and Habitat Use by Threatened Spectacled Eiders in the Eastern Chukchi Near and Offshore Environment
Beaufort Chukchi	AK-09-05	BRD, FWS	Cody	Demography and Behavior of Polar Bears Summering on Shore in Alaska
Beaufort Chukchi	AK-10-05	NMML	Denton	Distribution and Relative Abundance of Marine Mammals in the Chukchi Sea and the Fall Migration of Bowhead Whales in the Beaufort Sea – Personnel Needs
Beaufort Chukchi	AK-11-05	PMEL	Crowley	Synthesis of Arctic Research (SOAR) Physics to Marine Mammals in the Pacific Arctic
Beaufort Chukchi	AK-11-06		Denton	Distribution and Relative Abundance of Marine Mammals in the Chukchi Sea and the Fall Migration of Bowhead Whales in the Beaufort Sea – Aircraft Needs
Beaufort Chukchi	AK-12-07	NOAA	Denton	Use of the Chukchi Sea by Endangered Baleen and Other Whales (Westward Extension of BOWFEST)
Chukchi	AK-12-x10b	NMML	Holiday	Abundance Estimates of Ice Associated Seals: Bering Sea Populations that Inhabit the Chukchi Sea during Open-Water Period
Social Systems				
Beaufort Chukchi	AK-05-04a	CESU-UAF, NSF	Campbell	Study of Sharing Networks to Assess the Vulnerabilities of Local Communities to O&G Development Impacts in Arctic Alaska
Beaufort	AK-08-01	NMML	Campbell	Continuation of Impact Assessment for Cross Island Whaling Activities
Chukchi	AK-08-04		Campbell	COMIDA: Impact Monitoring for Offshore Subsistence Hunting
Bering	AK-08-06		Campbell	Subsistence Study for North Aleutian Basin
Beaufort	AK-08-09	NSSI	Campbell	Aggregate Effects Research & Environmental Mitigation Monitoring of Oil Operations in the Vicinity of Nuqsut
Beaufort	AK-08-12-04	CMI	Campbell	Subsistence Use and Knowledge of Beaufort Salmon Populations
Beaufort Chukchi	AK-11-09		Campbell	Social Indicators in Coastal Alaska: Arctic Communities
Information Management				
Beaufort Chukchi	AK-08-12-01	CMI	Crowley	BOEM-University of Alaska-State of Alaska Coastal Marine Institute Management
Beaufort Chukchi	AK-10-03	NPRB	Horowitz	Alaska Marine Science Symposium (co-sponsor)
Beaufort Chukchi	AK-10-04		Coon	Management, Logistics, and Warehouse Storage of Oceanographic Equipment
Beaufort Chukchi	AK-11-07		Coon	ShoreZone–Shoreline Mapping of the North Slope Alaska
Beaufort Chukchi	NT-12-01	NOAA	Raymond	Enhancement of the Environmental Studies Program Information System and the Multipurpose Marine Cadastre to Provide Environmental Studies Data
INTEGRATED STUDIES				
Beaufort Chukchi	AK-05-04a	CESU-UAF, NSF	Campbell	Study of Sharing Networks to Assess the Vulnerabilities of Local Communities to O&G Development Impacts in Arctic Alaska
Beaufort Chukchi	AK-06-01; AK-10-02	NMML	Denton	Bowhead Feeding Variability in the Western Alaska Beaufort Sea: Oceanography and Feeding
Chukchi	AK-08-04		Campbell	COMIDA: Impact Monitoring for Offshore Subsistence Hunting
Beaufort	AK-08-09	NSSI	Campbell	Aggregate Effects Research & Environmental Mitigation Monitoring of Oil Operations in the Vicinity of Nuqsut
Chukchi	AK-08-12-03	CMI	Deschu	Biogeochemical Assessment of the OCS Arctic Waters: Current Status & Vulnerability to Climate Change
Beaufort Chukchi	AK-09-02a	NMML	Crowley	COMIDA: Passive Acoustic Detection and Monitoring of Endangered Whales in the Arctic
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Chukchi	AK-11-03	CESU-UT	Crowley	Hanna Shoal Ecosystem Study
Beaufort Chukchi	AK-11-05	PMEL	Crowley	Synthesis of Arctic Research (SOAR) Physics to Marine Mammals in the Pacific Arctic
Beaufort	AK-12-04	DFO	Wedemeyer	U.S.-Canada Transboundary Fish and Lower Trophic Communities

Research Partnerships

BSEE Technology Assessment and Research Program (TAR)	Alaska Department of Fish and Game (ADFG)
BOEM-University of Alaska-State of Alaska Coastal Marine Institute (CMI)	Cooperative Ecosystem Studies Unit (CESU)- University of Alaska Fairbanks (UAF); University of Texas-Austin (UT)
North Slope Science Initiative (NSSI)	North Pacific Research Board (NPRB)
USGS/Biological Resources Division (BRD)	Arctic Landscape Conservation Cooperative
Canadian Department of Fisheries/Oceans (DFO)	Arctic Council / Arctic Monitoring and Assessment Programme (AMAP)
National Science Foundation (NSF)	National Oceanographic Partnership Program
National Fish and Wildlife Foundation	Alaska Ocean Observing System (AOOS)
Federal Inter-agency Agreements: e.g. NOAA-National Marine Fisheries Service (NMFS) / National Marine Mammal Laboratory (NMML) / PMEL (Pacific Marine Environmental Laboratory) / U.S. Fish and Wildlife Service (FWS)	Industry Studies