

Development of a NSSI Project Database and Browser through Partnership

North Slope Science Initiative
ALASKA

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Science Initiative



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Research Board

Current NSSI Project List

Project Database - northslope - Microsoft Internet Explorer

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AGENCY NORTH SLOPE RESEARCH, INVENTORY & MONITORING PROJECTS

PROJECT TITLE	PROJECT DURATION	WHEN INITIATED	PRINCIPAL CONTACT	PHONE	EMAIL ADDRESS	AGENCY	I/M/R	DESCRIPTION
North Slope Energy, Geophysics	Ongoing		Rick Saltus	303-236-1375	saltus@usgs.gov	USGS		Geophys
Cryospheric Studies	Ongoing	2002	Gary Clow	303-236-5509	clow@usgs.gov	USGS		Permafro layer site
Regional Fluid Flow and Basin Modeling in northern Alaska	Ongoing	2002	Karen Kelley	303-236-2467	kdkelley@usgs.gov	USGS		Modeling to enhance accumula
USGS Gas Hydrates Project	Ongoing		Tim Collett	303-236-5731	tcollett@usgs.gov	USGS	I	Assessm Slope
Alaska Petroleum Studies	Ongoing		Ken Bird, Dave Houseknecht	650-329-4975, 703-648-6419	kbird@usgs.gov	USGS	I	Assessm Slope
USGS Hydrologic Data (Streamflow Gaging)	Ongoing		David Meyer	907-786-7141	dfmeyer@usgs.gov	USGS	M	Stream G
Polar Bear Studies	Ongoing		Steve Amstrup	907-786-3316	steven_amstrup@usgs.gov	USGS	R	Studies o
Pacific Brant Winter Ecology	Ongoing		David Ward	907-786-3525	david_ward@usgs.gov	USGS	R	Migration North Slo
North Pacific Shorebirds	Ongoing		Bob Gill	907-786-3514	robert_gill@usgs.gov	USGS	R	Nesting e
Sea Duck Ecology/Beaufort Sea Coast	Ongoing	1999	Paul Flint	907-786-3608	paul_flint@usgs.gov	USGS	I	Use of B
Alaska Orthoimagery/DEMs	Ongoing	2002	Carl Markon	907-786-7023	markon@usgs.gov	USGS	I	Developm and DEM
Land Surface Characterization (Arctic Coastal Plain)	Ongoing	2003	Carl Markon	907-786-7023	markon@usgs.gov	USGS	I	Characte surface
DOI on the Landscape (Landscape Change)	Ongoing		Dirk Derksen	907-786-3531	dirk_derksen@usgs.gov	USGS	R	Understa Special A
Bowhead Whale Feeding in the Central And Western Alaska Beaufort Sea	2005-07	2005				MMS		
Population and Sources of Recruitment	2005-07	2005				MMS		

561 Projects

The Need for Something Better

NSSI Objectives

- “Maintain and improve public and agency access to accumulated and ongoing research”
- "Coordinate ongoing and future inventory, monitoring and research activities to:
 - minimize duplication of effort,
 - share financial resources and expertise, and
 - assure the collection of quality information”

Solution: Project Browser

The screenshot shows a web browser window titled "NPRB Projects - Microsoft Internet Explorer". The browser's address bar is empty, and the menu bar includes "File", "Edit", "View", "Favorites", "Tools", and "Help". The website header features the "NPRB" logo and the text "Project Browser". Navigation links for "HOME", "ABOUT", "CONTACT", and "LINKS" are visible in the top right.

The main content area is divided into two columns. The left column contains several filter sections, each with a dropdown menu and a search icon:

- Year:** A dropdown menu currently set to "[All]".
- LME(s):** A dropdown menu.
- Ecosystem components:** A dropdown menu.
- Places:** A dropdown menu.
- Keywords:** A dropdown menu.
- Research Priorities:** A dropdown menu.
- PI(s):** A dropdown menu.
- Free Text Search:** A text input field.
- Filter:** A section containing "clear all" and "submit" buttons.

The right column displays a list of projects under the heading "NPRB Projects". A "MAP IT!" button is located in the top right of this section. The list includes 15 projects, with the first one highlighted in blue:

- 201 Pilot nearshore habitat mapping using acoustic and visual techniques (Brian Bornhold, John Harper, William Collins, Brenda Burd, Sheri Ward, Pam Thuringer)
- 202 Application of new sonar technology to reducing salmon bycatch in pollock fisheries (Craig Rose)
- 203 Continuation of long-term observations on Bering Sea shelf: biophysical moorings at sites 2 and 4 (Phyllis Stabeno, Jeffery Napp, Terry Whiteledge)
- 204 NPAFC Salmon Tagging (Jack Helle, Vladimir Fedorenko)
- 205 Genetic stock identification of W. AK sockeye salmon (Richard Wilmot, James Seeb)
- 206 Integration of marine bird and mammal observations with the continuous plankton recorder program (William Sydeman, David Hyrenbach)
- 207 Detecting change in the Bering Sea ecosystem (James Overland, Nancy Soreide, Anne Hollowed)
- 208 Environmental cues for herring spawning (David Musgrave, Gordon Kruse)
- 209 Two species of rougheye rockfishes in N. GOA (Anthony Gharrett, Richard Wilmot)
- 210 Nutritional quality of Alaskan fish for predators (Michael Castellini)
- 211 Sinking particles/pelagic food webs in the SE Bering Sea (Susan Henrichs)
- 301 Evaluation of emergent structure in low-relief benthic habitats as a criterion for defining the essential fish habitat of juvenile North Pacific flatfishes (Clifford Ryer, Alisa Abookire, Allen Stoner, Ian Fleming)
- 302 A continuous plankton recorder survey of the North Pacific and southern Bering Sea (Sonia Batten, David Welch)
- 303 NPAFC Cooperative Research: Use of genetic stock identification to determine the distribution, migration, early marine survival, and relative stock abundance of sockeye and chum salmon in the Bering Sea (James Seeb, Richard Wilmot, Shigehiko Urawa, Syuiti Abe, John Helle, Tomonori Azumaya, Katherine Myers, Richard Beamish, Vladimir Karpenko, Olga Temnykh)
- 304 Deep sea coral distribution and habitat in the Aleutian Archipelago (Jonathan Heifetz, Jennifer Reynolds, Douglas Woodby)

Navigation controls for the project list include "1..15 of 97 projects" and "1, 2, 3, 4, 5, 6, 7" with left and right arrow symbols.

The Windows taskbar at the bottom shows the "Internet" icon.



312 Ice seal bio-monitoring in the Bering-Chukchi Sea region

Year funded: 2003

Start date: May 01, 2003

End date: Apr 30, 2006

Budget: \$149,962.00

Ringed (*Phoca hispida*), bearded (*Erignathus barbatus*), spotted (*Phoca largha*), and ribbon seals (*Phoca fasciata*) are the species of Alaska's seals collectively called ice seals because of their association with sea ice and their

dependence on it for feeding, resting, and pupping. The subsistence culture of Alaska Natives living along the Bering, Chukchi, and Beaufort seas is reliant on ice seals for food, materials, and handicrafts. There are concerns regarding the status, health, and availability of ice seals due to changes occurring in thickness, persistence, and distribution of sea ice (Comiso 2002), increasing concentrations of contaminants in the Arctic (Muir et al. 2000), and large volume fish removals in the Bering Sea (Alverson 1991). Population estimates for ice seals are not available and not easily attainable due to their wide distribution and the problems related to marine mammal surveys in remote, ice-covered waters. With no other methods to evaluate population status, population indices such as reproductive rate, age at first reproduction, body condition, and growth rate are especially important. Large decreases in abundance could be occurring and are likely to go undetected until low numbers affect subsistence harvests. This project uses harvest information and biological samples from subsistenceharvested seals at seven villages in order to assess the health and status of each species.

Documents

Project Summary and Statement of Work:

Progress Report: Jul, 2003

Progress Report: Jan, 2004

Progress Report: Jul, 2004

Progress Report: Jan, 2005

Progress Report: Jul, 2005

Progress Report: Jan, 2006

Factsheets

Ecology of ice seals in the Bering-Chukchi Seas

LMEs

Bering Sea/Aleutian Islands

Ecosystem components

Marine Mammals

Humans

Principal Investigator(s)

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MS Access Form for Principal Investigators

Project Records

Find by Project #

Project # Umbrella:

FY Cycle Institution:

name

caption

budget start finish revised end duration

description

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