

Board decision on BSIERP

Component	Project	Project Description	Institutions	Revised SOW Budget Amount (22 Oct-07)
LTK, Community Involvement - humans	subsistence harvest, users and LTK ecosystem perspective	Ethnographic interviews and combine with cognitive anthropology and cultural modeling to develop an alternative (to western physical and biol scientists, Fig1 BSIERP) conceptual model of the ecosystem in native terms. Subsistence harvest surveys and compare to data from 10-20 years ago. Subsistence users and 3 interviews in communities.	Huntington, UW, AFSC, UAA, ADFG, Ecotrust	\$1,000,000.00
Marine mammals	Whale broad-scale distribution O4.38	Visual survey locations along acoustic trawl survey locations; summer 2008 and 2010.	AFSC	\$299,960.00
	Patch Dynamics study O4.62	Fur Seal, Thick-billed Murre, Black-leeged Kittiwake, Forage Fish patch dynamics around Pribilof Islands, Walrus, benthos patch dynamics around St. Lawrence Island	UBC, USGS, OSU, UMaryland, USFWS, UAF	\$2,385,000.00
	Fur seal colony-based	pup abundance, condition and adult diet. Pribs; third quarter 2008 and 2010.	AFSC	match only
Seabirds	Seabird telemetry O4.35	Data loggers on TBMU and BLKI to get foraging location, trip duration and frequency. 30 birds/spp/year. Analyze data in conjunction with prey field and oceanographic data from acoustic survey. St. Paul and St. George; third quarter 2008-2010. Part of patch study.	USFWS, USGS	\$599,917.00
	Seabird broad-scale distribution O4.36	Visual surveys aboard fishery research vessels in conjunction with marine mammals above. Continues NPRB project 637 that ends 30 Apr 2008. Acoustic trawl survey and other vessels; second and third quarter 2008-2010.	USFWS	\$550,220.00
	Seabird colony-based O4.37	Chick diet, reproductive parameters and body condition, stable isotopes of TBMU, BLKI; 30 birds/spp/year. St. Paul and St. George; third quarter 2008-2010. Part of patch study	USFWS, USGS, UAF	\$366,854.00
Fish	Acoustic survey O2.26	Survey designed to estimate pollock abundance using 18, 38, 70, 120, 200kHz. Funding to add enumeration of euphausiids, myctophids and capelin, groundtruthed via targeted trawl hauls. middle (>70m) and outer (shelf edge) domain EBS from peninsula up to Cape Navarin; second and third quarter 2008-2010	AFSC	\$154,499.00
	Surface trawl survey (match only, \$1,516,200) O2.23	Entire US EBS shelf from peninsula to just north of St. Lawrence including Norton Sound; third quarter 2008-2010	AFSC	match only
	Surface trawl survey acoustics O2.28	Add 38kHz to regular surface trawl surveys to estimate pelagic species abundance. Entire US EBS shelf from peninsula to just north of St. Lawrence including Norton Sound; third quarter 2008-2010	AFSC, UW	\$425,731.00
	Bottom trawl survey (match only, \$3,240,000) O2.25	Data collection on spatial pattern of shellfish and groundfish. EBS shelf all domains; second and third quarter 2008-2010.	AFSC	match only
	Pollock & cod distribution O2.19	Synthesis of historical information on spatial distribution of pollock, cod, euphausiids, water column profiles, sea ice distribution, temp and light to describe ocean habitat requirements, and predator hotspot determination. Data from bottom trawls, acoustic surveys, commercial fisheries acoustic data and commercial catch. Retrospective analysis and modeling.	OSU	\$332,313.00
	Functional foraging response O2.16	Stomach samples collected during acoustic surveys and compared to prey field to measure the functional foraging response of fish predators. middle (>70m) and outer (shelf edge) domain EBS from peninsula up to Cape Navarin; second and third quarter 2008-2010.	AFSC, UW	\$258,260.00

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	Forage distribution & ocean conditions O2.17	Data from acoustic surveys on forage distribution; sample ocean habitat conditions during acoustic surveys, bottom trawl surveys in summer and from commercial fishing vessels in summer and winter. Will add nitrate and oxygen to acoustic survey and salinity, nitrate, oxygen and chl to bottom trawl surveys, and temp sensors to commercial vessels. Determine relationship between pollock and forage listed above and ocean climate. Second, third and fourth quarter 2008-2010	AFSC, UW, PMEL	\$567,123.00
Zooplankton/LTL	Ichthyoplankton surveys O2.7	Collection of larval age-0 and age-1 juveniles (focus on pollock, cod and arrowtooth flounder) during summer research cruises. This gives seasonal complement to spring NPCREP, summer acoustic and summer surface trawl surveys. Feeds into BEST proposed NPZ model. EBS second quarter 2008-2010	AFSC, UAF	\$1,119,356.00
	Seasonal bioenergetics O2.24	Use data collected from ichthyoplankton surveys, measure condition and energy dynamics of juv pollock, cod, ATF to test winter survival hypothesis. Lab work after ichthyoplankton surveys have been conducted.	AFSC	\$324,800.00
	Biophysical moorings O1.1	Spring data collection on temp, salinity, fluorescence, currents, zooplankton abundance, nitrate, oxygen, turbidity. Gives info on OCH, timing of spring bloom, temp change and nutrient supply. M2, 4, 5 and 6, EBS shelf 70m isobath; second quarter 2008-2010.	PMEL, AFSC, UAF, UW	\$732,259.00
Trophic Interactions	Fish, birds & mammals O3.30	Co-variation, interaction, relation, and fct relationships of selected fish, seabird and marine mammal species to climate variability based existing data and proposed data collections. Modeling and retrospective studies.	SigmaPlus, UAF	\$286,913.00
	Top predator hotpot persistence (matching only, \$55,200) O4.40	Data from seabird and marine mammal surveys and forage species abundance above to determine pelagic forage fish hotspot distribution and abundance. Around Pribis, around moorings; second and third quarter 2008-2010	AFSC, USFWS	match only
Modeling	EMC model development		TBA	\$2,500,000.00
Project Mgmt			NPRB	\$589,929.00
Data Mgmt			UAF	\$810,071.00
Ed and Outreach			NPRB	\$100,000.00
GAPS	Epi-benthos - Grebmiere		University of Maryland	\$86,011.00
	Epi-benthos - Moran		University of Rhode Island	\$20,000.00
	Micro-zooplankton (special RFP)		TBA	\$300,000.00
Total				\$13,809,216.00