### 13.08.01 – Reading File

April 2003

441 W. 5<sup>th</sup> Ave., Suite 500 • Anchorage, Alaska 99501-2340 • 907/278-8012 • fax 907/276-7178



#### MEMORANDUM

- TO: Kevin C. Duffy Commissioner
- FROM: Molly McCammon Executive Director

RE: Expenditures for Subscriptions and Public Notice

DATE: April 30, 2003

In response to your memorandum of April 22, 2003, we have canceled the following subscriptions effective May 1, 2003. These cancellations will result in a refund of \$260.36.

Alaska Fishermen's Journal Alaska Journal of Commerce Anchorage Daily News Nature

One additional subscription, for the Alaska Budget Report, has been canceled but no refund is available. This subscription will run out March 1, 2004.

We have also canceled our Alaska Pure Water contract. This cancellation will result in a savings of \$29.50 per month.

Please note that all Trustee Council expenses are paid with EVOS Settlement Funds. The savings noted above will accrue to the EVOS Settlement Fund.

Regarding public notice, the Trustee Council has adopted procedures for public notice and print advertising is used in accordance with those procedures.

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### MEMORANDUM

TO: Pete Hagen NOAA Program Manager FROM: Molly McQapamon

Executive Director

- RE: Equipment Inventory
- DATE: April 28, 2003

The Trustee Council's Financial Procedures (adopted July 9, 2002) provide for the Executive Director to make a determination at project's end in regard to the disposition of equipment items with an original cost of \$5,000 or more. This memo states my determination that the items on the attached list, which were acquired by the Prince William Sound Science Center under completed Project /320 (SEA), shall become NOAA property and may, consistent with the Council's procedures and at the discretion of NOAA, be transferred to Prince William Sound Science Center. These items are not needed by another Trustee agency for an EVOS project.

Attachment: *PWSSC Equipment--Authorized by EVOS Executive Director 4/28/03 for Disposition by NOAA* 

#### PWSSC EQUIPMENT: AUTHORIZED BY EVOS EXEC \_\_\_\_'E DIRECTOR 4/28/03 FOR DISPOSITION BY NOAA

Ba	r item	Serial Number	EVOS	Date	Purchase	Con	Location	Date of	Comments
Coc			Project	Acquired	Value	Code		Inventory	
	3 8.4 gb Multi-Disk Pack	426G2291	DATA	6/29/1994	\$5,394.00	1	PWSSC	12/13/2002	
	6 Sun SparcStation 20	417F2006	DATA	6/27/1994	\$21,625.30	1	PWSSC	12/13/2002	
•	14 Sun SparcStation 5	425F5429	DATA	6/27/1994	\$7,450.16	1	PWSSC	12/13/2002	
	17 Sun SparcStation 5	425F4980	DATA	6/27/1994	\$5,493.62	1	PWSSC	12/13/2002	
	31 Sun SparcStation 20	423F4969	DATA	6/23/1994	\$12,018.27	1	UMD	12/13/2002	
•	41 TI Travelmate 4000E laptop	13738404258	OCEAN	7/15/1994	\$6,114.31	2	PWSSC	12/13/2002	
+	68 Power Macintosh 8100/80AV	SXB43610B1HO	FISH	12/14/1994	\$6,534.00	1	PWSSC	12/13/2002	upgraded with a 4gb harddrive and 72 mb ra
•	1A Digital DEC CPU 590 PC	KA437DUAL8	OCEAN	11/17/1994	\$7,148.81	1	PWSSC	12/13/2002	
•	87 Codonics NP-1600 color printer	30C0365B	DATA	8/24/1994	\$10,800.00	1 1	PWSSC	12/13/2002	
,	100 Re Rx 7260 Retix multiport Router	63589	DATA	11/17/1994	\$5,456.00	4	PWSSC	12/13/2002	
· 1	6X ADCP current profiling V-fin w/100m cable	1093011	OCEAN	5/31/1994	\$22,700.00	1	PWSSC	12/6/2002	
•	158 CTD deep sea winch	STW-1008	OCEAN	5/31/1994	\$21,200.00	1	PWSSC	12/6/2002	
1	9A Aquashuttle deep sea winch		OCEAN	5/31/1994	\$19,000.00	1	PWSSC	12/6/2002	
16	2X Aquashuttle w/plankton counter, shielded antenna	138/2330/007	DATA, FISH	6/15/1994	\$62,500.00	2	PWSSC	12/6/2002	towbody damaged, needs repair/repaint
	67 Turner designs fluorometer: model 10AU0005	5349FRXD	OCEAN	5/16/1994	\$12,000.00	1	UAF	3/20/2000	Peter McRoy has
16	9X ADCP: broadband, 150 kHz, 90 degree transducer	1307	OCEAN	8/31/1994	\$72,160.00	1	PWSSC	12/6/2002	
17	'0X ADCP: continental shelf, 150kHz - DR	1306	OCEAN	8/31/1994	\$64,160.00	1	PWSSC	12/6/2002	
· 17	1X 900 lb. anchor, chains	1	OCEAN		\$8,000.00	2	PWSSC	12/6/2002	~8 anchors remaining
17	4X MSI mooring for ADCP w/mounting bracket	· ···· ·	OCEAN		\$11,450,00	1 1	PWSSC	12/6/2002	
	78 102 analog echo sounder: 200/420 kHz	102-89-025	FISH	5/9/1994	\$18,000.00	3	PWSSC	12/6/2002	marginally works
	179 FSP computer card	ESP-012	FISH	5/9/1994	\$12,000.00	1	PWSSC		
•	180 ESP computer card	ESP-066	FISH	5/9/1994	\$12.000.00	1	PWSSC		· · · · · · · · · · · · · · · · · · ·
	81 ESP computer card	ESP-037	FISH	5/9/1994	\$12,000,00	1	PWSSC		
· · ·	182 FSP computer card	ESP-038	FISH	5/9/1994	\$12,000,00	1	PWSSC		· · · · · · · · · · · · · · · · · · ·
- · · · .	186 102 analog transducer: 200 kHz	20-200-0615-005	FISH	5/9/1994	\$5,000,00	4	PWSSC	12/6/2002	
•	87 Mod 111 chart recorder	111-89-052	FISH	5/9/1994	\$7 960 00	4	PWSSC	12/6/2002	
· · .	188 Mod 111 chart recorder	111-89-048	FISH	5/9/1994	\$7,960,00	1 4	PWSSC	12/6/2002	· · · · · · · · · · · · · · · · · · ·
10	7X Bio Fin towed hody 8' - "Rubber duck"	BF-92-002	FISH	5/9/1994	\$5,600,00	1	PWSSC	12/6/2002	
	250 Transducer Model 8011A deck unit	16683	OCEAN	5/17/1995	\$9,500,00	1	PWSSC	12/13/2002	
2	SIL SBE 16 w/1000psia digiguartz pressure sensor	164855-0826	OCEAN	11/30/1995	\$8,350.00	3	PWSSC	12/13/2002	damage due to leakage during deployment
25	1M SBE 16 w/1000psia digiguartz pressure sensor	164855-0827	OCEAN	11/30/1995	\$8,350,00	1	PWSSC	12/13/2002	
	252 SBE 19 SEACAT profiler w/data cable_pump	199456-1629	OCEAN	4/29/1994	\$10,600,00	1	PWSSC	12/13/2002	
•	253 SBE 19-03 Seacat profiler, pump & cage		OCEAN	4/29/1994	\$10,600.00	† i	PWSSC	12/13/2002	
	254 SBE 32 Rosette Carousel with care	• • • • • • • • • • • • • • • • • • •	OCEAN	5/18/1994	\$14 500.00	1	PWSSC	12/13/2002	
	256 SBE Online 011 CTD	0929456-0356	OCEAN	5/18/1994	\$28,000,00	1	PWSSC	12/13/2002	
	257 SBE 11nlus deck unit	11P9456-0343	OCEAN	5/18/1994	\$6 250 00	1	PWSSC	12/13/2002	
	385 Sun SparcStation 20	543E0839	FISH	11/2/1995	\$16 520.00	1 1	PWSSC	12/6/2002	
	102 Sun Sparc Station 20	544E0436	OCEAN	11/2/1995	\$8 986 90	i	PWSSC	12/6/2002	
4	54 SBE 26 tide and wave gauge	2611566-0122	OCEAN	9/19/1995	\$7,000.00	1	PWSSC	12/6/2002	
	5B SBE 26 tide and wave gauge	2611566-0123	OCEAN	9/19/1995	\$7,000.00	1	PWSSC	12/6/2002	
	00 Acoustic Palease Model 8242	18325	OCEAN	10/6/1005	\$6,000,00	1	PWSSC	12/6/2002	
	20 TI Pontium 5000E lanton	22121502842	OCEAN	8/31/1005	\$5,000.00	1	PWSSC	12/6/2002	
	122 DT6000/5000 sounder: 120,420			6/0/100A	\$5,172.00		DWSSC	12/6/2002	
	126 Lagoraraphian Film Printer	20627		10/11/1005	\$01,000.00		PWSSC	12/0/2002	
	No Lasergraphics Filler Filler	16204	OCEAN	5/17/1005	C0.08U,16		DWSSC	12/13/2002	
	142 Acquetic Palance, model 8242	16205	OCEAN	5/17/1995	\$0,000.00		DIVISEC	12/0/2002	
	HO ACOUSTIC RETEASE, MODEL 0242	10200	OCEAN	5/22/1005	\$0,000.00 \$7,726.52		DIACEC	12/0/2002	
	HAD I SUR UPINK RECEIVER	DT5000 DW/S 05 0001		5/23/1995	\$1,120.53	<u> </u>	DWSSC	12/0/2002	noods extensive renair
••••	162 D 1 3000 Sounder, 420-720-1000	ESD 010	LISH LISH	5/9/1994	φο1,000.00 \$12,000.00	3	DWSSC	12/0/2002	neeus extensive repair
	196 DT29 kHz transducor split boom	DTA DIAISSC 38 EVIAEL 004	EIGU	10/20/1000	\$12,000.00	3	DWSSC	12/6/2002	Extensive repairs paid for by ADERC Kadiak
'	21 VD60 hydrophone receiver	D14-F W33C-30-0A(15)-001	OCT	5/8/1000	#43,000.00	<b>∤!</b>		11/0/2002	borrowed by Dr. Scheel
	52 DT29 kHz soundor	DT 4000 06 048		11/14/1000	\$0,903.00 \$12,006.75		Kediak	10/6/2001	
	JZZ DI JO KIIZ SUULUEL	101-4000-90-040	ILIOU	11/14/1990	.√1∠,000.75		ILOUIAK	12/0/2002	al nur ao, nuulan



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April 17, 2003

Dr. Bob Foy UAF/IMS/SFOS 118 Trident Way Kodiak, AK 99615

Re: Requesting revisions on draft final report 02619

Dear Dr. Foy:

Thank you for sending the responses to the questions regarding the review of your draft final report. Yes, information in the letter from John Harper does need to be incorporated to make the final report complete. This is necessary because there are facts in the letter that are essential for interpretation of the report, or for finding data at some point in the future.

Please incorporate Table 1 and the relevant facts from Point 1. These maybe inserted either in the methods or results as you deem appropriate. With regard to points 4, 5, 6 and 7, please incorporate the information regarding the disposition and ownership of the original copies of the data, and the means for accessing the data in the future.

Points 2, 3, and 8 have been satisfied, or will have been addressed by incorporating the information from the other points.

Thank you for your contributions to our program, and I look forward to seeing the final report at your earliest convenience.

Sincerely,

Mr. Wh

Phillip R. Mundy, Ph.D., Science Director

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### MEMORANDUM

- TO: Bill Hauser ADF&G Project Manager
- FROM: Molly McCammon Executive Director
- RE: Authorization -- Project 030684 Toward Sustainable Management in the Kenai River Watershed: Linking Human & Resource Development with Nutrient & Energy Pathways
- DATE: April 28, 2003

With recent approval by the Science Director of the Project 02612 final report, work is formally authorized to proceed on Project 030684/Toward Sustainable Management in the Kenai River Watershed: Linking Human & Resource Development with Nutrient & Energy Pathways. The work must be performed consistent with the Detailed Project Description and budget submitted September 4, 2002.

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April 23, 2003

Robert Foy UAF/IMS/SFOS 118 Trident Way Kodiak, AK 99615

> RE: Project G-030682 / Nearshore Fisheries Habitat Assessment in Kodiak Embayments

Dear Robert:

The *Exxon Valdez* Oil Spill Trustee Council took final action on projects for the FY 03 Work Plan at its meeting on April 23, 2003. I am writing to inform you that the Council did not fund Project G-030682/Nearshore Fisheries Habitat Assessment in Kodiak Embayments. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the Trustee Council's Gulf Ecosystem Research and Monitoring (GEM) program and hope you will consider submitting proposals in future years.

Sincerely,

Heley M' Cam

Molly McCammon Executive Director

Enclosure

cc: Bill Hauser, ADF&G Project Manager

#### **FY 03 W** (PLAN - TRUSTEE COUNCIL ACTION 8/6/(

### 1/25/02 & 4/23/03 (TEXT SPREADSHEET)

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	FY 03 Request	FY 03 Approved	FY 04 Request	FY 04 Recom.
G-030682	Nearshore Fisheries Habitat Assessment in Kodiak Embayments	R. Foy/FITC	ADFG	New FY 03-04	\$311.3	\$0.0	\$31.6	\$0.0

#### **Project Abstract**

#### STAC Recommendation

This project will initiate a two-bay study to assess the forage fish use and relative hydrography of nearshore habitat around Kodiak Island. This study will develop a monitoring program to efficiently assess seasonal fish biomass and their habitat in multiple bays on Kodiak Island. This pilot study will be used to focus future studies on areas that are most important for fish biomass assessment. These data will be important for defining essential habitat of fish species as well as determining the availability of prey for upper trophic levels such as marine mammals and sea birds. A series of vessel surveys to cover the two bays will be conducted in May, June, July and August 2003. Hydroacoustic assessments will be made to calculate relative biomass estimates and relate them to hydrographic structure. This data will be useful for baseline management issues as well as upper trophic level studies.

The proposer made progress in strengthening the proposal and addressing several of the reviewer concerns. However, the proposal is not substantially changed and still contains many of the on one or two bays) and is responsive to peer components that the original reviewers felt were not review comments (reviewers raised concerns well thought out and defined. The proposer does not describe how the proposed research integrates with or differs from other nearshore acoustic projects that he is conducting under other funding or to Project 030666/Initial Field Project for Census of Marine Life. A clear link to fisheries management has not been made, although this appears to be the justification for the research. In addition, proposal costs are very high. Do not fund.

#### **Trustee Council Action**

Do not fund. This proposal was deferred pending submittal and review of a revised proposal that is reduced in scope (i.e., focuses about sampling methodology and relationship to other ongoing studies and fisheries management). Although the revised proposal is strengthened, technical concerns remain. [NOTE: Total request FY 03-04 is \$342,900; in revision, some FY 03 costs were moved to FY 04.1

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April 28, 2003

Mark Willette ADF&G/CFMD 43961 Kalifornsky Beach Rd., Suite B Soldotna, AK 99669-8367

RE: Project G-030670 / Monitoring Dynamics of the Alaska Coastal Current and Development of Applications for Management of Cook Inlet Salmon

Dear Mark:

The *Exxon Valdez* Oil Spill Trustee Council acted on additional projects for the Fiscal Year 2003 Work Plan at its meeting on April 23, 2003. I am pleased to inform you that the Council approved funding in the amount of \$80,900 for Project G-030670 / Monitoring Dynamics of the Alaska Coastal Current and Development of Applications for Management of Cook Inlet Salmon. This includes \$74,200 in project funds and \$6,700 in ADF&G administrative costs. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. Once this step occurs, you will receive authorization from the Executive Director to begin the FY 03 project. If you have any questions about this, please let me know.

Thank you for your participation in the Trustee Council's Gulf Ecosystem Research and Monitoring (GEM) program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely. Molly Mc Com

Molly McCammon Executive Director

Enclosure

cc: Bill Hauser, ADF&G Project Manager

#### FY 03 WEEK PLAN - TRUSTEE COUNCIL ACTION 8/6/0 1/25/02 & 4/23/03 (TEXT SPREADSHEET)

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	FY 03 Request	FY 03 Approved	FY 04 Request	FY 04 Recom.
G-030670	Monitoring Dynamics of the Alaska	M. Willette/ADF&G	ADFG	New	\$89.0	\$89.0	\$15.5	\$15.5
	Coastal Current and Development of	S. Pegau/Kachemak Bay RR		FY 03-04				

Applications for management of Cook Inlet Salmon

#### **Project Abstract**

#### This project will demonstrate the technical feasibility of using a vessel of opportunity to collect physical oceanographic and fisheries data along a transect across lower Cook Inlet from Anchor Point to the Red River delta. Logistical support for the field sampling will be provided in part by the Alaska Department of Fish and Game, which has chartered a vessel annually to fish along this transect each day during July. A single year of data collection is proposed, to demonstrate the feasibility of obtaining oceanographic data as part of a fisheries survey. However, a long-term monitoring program is envisioned. If feasibility is established, investigators will in future years use physical oceanographic data collected by the project to improve upon incorporation of CODAR data and other management of Cook Inlet salmon through improved inseason salmon run projections. Several hypotheses regarding effects of changing oceanographic conditions on salmon migratory behavior will then be tested. The oceanographic data collected by the project will provide for valuable validation of remote sensing products, improved understanding of ocean dynamics in lower Cook Inlet, and a highly powerful statistical evaluation of the oil spill risk analysis models.

#### The proposal continues to make a strong case for its fishery management implications. Technical concerns regarding physical oceanography previously expressed by the STAC have been addressed, except that, as written, the proposal is not likely to resolve the eddy structure. In order to do this, it would need to be coupled with a tide resolving model. Use of CODAR (Coastal Radar) data and other physical models that are available for Cook Inlet would significantly strengthen the potential results of this research. Fund contingent physical models into the data analysis portion of the project.

STAC Recommendation

#### **Trustee Council Action**

Fund revised proposal, which incorporates CODAR (Coastal Radar) data and other physical models into the data analysis portion of the project. This proposal was deferred pending submittal and review of a revised proposal that addresses the STAC's concerns. The results of this project could make a positive contribution to fisheries management. The relation between sockeye salmon run timing, salinity, currents and temperature is not well understood. [Note: Funds were approved in April 2003.]



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April 28, 2003

7

Mary Anne Bishop, PhD PWSSC PO Box 705 Cordova, AK 99574-0705

> RE: Project G-030635 / Trophic Dynamics of Intertidal Soft-sediment Communities: Interaction Between Bottom-up and Top-down Processes

Dear Mary Anne:

The *Exxon Valdez* Oil Spill Trustee Council acted on additional projects for the Fiscal Year 2003 Work Plan at its meeting on April 23, 2003. I am pleased to inform you that the Council approved funding in the amount of \$100,000 for Project G-030635/Trophic Dynamics of Intertidal Soft-sediment Communities: Interaction Between Bottom-up and Top-down Processes. This includes \$91,700 in contractual funds for you (including PWSSC indirect rate) and \$8,300 for NOAA's administrative costs. A copy of the Council's action on your project is enclosed. Please note that the Council took no action in regard to FY 04 funding.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. The lead agency must also execute a contract or Reimbursable Services Agreement with you. Once those steps occur, you will receive authorization from the Executive Director to begin the FY 03 project. Any delay in preparing NEPA or in executing a contract will delay start of the project. For more information, please contact NOAA's EVOS project manager:

> Pete Hagen National Oceanic and Atmospheric Administration 11305 Glacier Highway, Auke Bay, Alaska 99801-8626 Phone 907-789-6096/Fax 907-789-6608

Thank you for your participation in the Exxon Valdez oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

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Sincerely,

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Molly M'Cenn Molly McCammon

**Executive Director** 

Enclosure

Pete Hagen, NOAA Project Manager CC: Sharon Kent, NOAA Contracting

#### K PLAN - TRUSTEE COUNCIL ACTION 8/6/ 11/25/02 & 4/23/03 (TEXT SPREADSHEET) FY 03 W

Proj.No.	roj.No. Project Title Pr		Lead Agency	New or Cont'd	FY 03 Request	FY 03 Approved	FY 04 Request	FY 04 Recom.	
G-030635	Trophic Dynamics of Intertidal Soft-sediment Communities: Interact Between Bottom-up and Top-down Processes	M. Bishop/PWSSC	NOAA	New FY 03-05	\$205.0	\$100.0			
	Project Abstract	STAC	Recommendation		Trustee Council Action				
Vast expans in the food w southcentra invertebrate the large ne provide a sig fish, crabs, expanses of Delta and ex project will of physical/che regulate inver "bottom-up" - phytoplant is balanced project fund Institute tha role in inver	ses of intertidal sand/mudflats serve as web of nearshore communities along the I Alaska coastline. The rich abundance is residing within the sediments of intert twork of subtidal channels that bisect th gnificant prey resource for numerous sp birds, and marine mammals. One of th f intertidal sand/mudflats occurs in the C astern Prince William Sound (Orca Inlei conduct a large-scale field study that ex emical and biological factors that limit an ertebrate community dynamics. The lan approach proposed (physical/chemical kon/epibenthic production - invertebrate by the largely "top-down" focus of a cor ed by the Prince William Sound Oil Spil t examines predator dynamics.	a critical link of benthic dal flats and ese flats ecies of largest ). This amines the nd/or gely parameters production) npanion l Recovery esses their da flats and proposer are to be of problems that were However, the cost of the potential long-ter GEM goals. Do not production) npanion	h the available fund at this proposal sho al is scientifically s ommended for add raised with the earl f the proposal is hig rm benefits to the a fund.	ding, the buld not be ound and the dressing the lier version. gh relative to attainment of	Fund revised p project's scope sound proposa sampling scher mudflat biota, t originally conce 03-05 is \$498,2 partnering com Recovery Instit Alabama. [Not 2003.]	roposal, which and cost. T I that could lead the for long tead out the cost of eived was hig 200). This proponent with (ute) and the e: Funds weat	th reduces his is a scie and to a ver erm monito f the propo h (total req oposal has OSRI (Oil S University o re approved	the entifically y good ring of sal as uest FY a strong of gill of d in April	

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Exxon Valdez Oil Spill Trustee Council

Shari Vaughan, PhD PWSSC PO Box 705 Cordova, AK 99574

> RE: Project G-030552 / Exchange Between Prince William Sound and the Gulf of Alaska

Dear Shari:

The *Exxon Valdez* Oil Spill Trustee Council took final action on projects for the FY 03 Work Plan at its meeting on April 23, 2003. I am writing to inform you that the Council did not fund Project G-030552/Exchange Between Prince William Sound and the Gulf of Alaska. A copy of the Council's action on the project is enclosed.

l appreciate your interest in the Trustee Council's Gulf Ecosystem Research and Monitoring (GEM) program and hope you will consider submitting proposals in future years.

Sincerely,

rey Mª Cum

Molly McCammon Executive Director

Enclosure

cc: Pete Hagen, NOAA Project Manager



### FY 03 WEEK PLAN - TRUSTEE COUNCIL ACTION 8/6/(CO 1/25/02 & 4/23/03 (TEXT SPREADSHEET)

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	FY 03 Request	FY 03 Approved	FY 04 Request	FY 04 Recom.
G-030552	Exchange Between Prince William Sound and the Gulf of Alaska	S. Vaughan/PWSSC	NOAA	Cont'd FY 03	\$106.5	\$0.0	\$0.0	\$0.0

#### Project Abstract

One of the least understood physical processes that influence the biological components of Prince William Sound (PWS) is the exchange between the northern Gulf of Alaska (GOA) and the sound. This project will document the seasonal and interannual variability in water mass exchange between PWS and the adjacent GOA at Hinchinbrook Entrance, and identify mechanisms governing this exchange. This project will continue deployment of an upward-looking ADCP (Acoustic Doppler Current Profiler) mooring in Hinchinbrook Entrance to create time series of velocities over a nine-month period. The mooring will be equipped with a CTD (conductivity temperature versus depth) to create a time series of deep temperature (T) and salinity (S). To identify the dominant factors that govern PWS/GOA exchange, the mooring velocity and deep T/S time series will be combined with meteorological time series, numerical circulation model simulations, and physical data collected under previous and existing research programs in PWS and the GOA.

#### STAC Recommendation

The revised proposal discusses the concerns raised by the reviewers (the ADCP [Acoustic Doppler Current Profiler] needs to be deployed for twelve months, with data collected several times each year, and a sampling strategy to measure the movement of water in the surface layer needs to be presented) but does not provide solutions to the problems that led to those concerns. The proposer indicates that funding for an additional ADCP and a current meter has been requested from the North Pacific Research Board. The additional instrumentation might provide additional data that would address some of the reviewers' concerns. Although partnerships are highly desirable in funding monitoring programs, there is no guarantee that NPRB funding will be made available to help address the deficiencies with a single ADCP attempting to capture needed current information in Prince William Sound. Do not fund.

#### **Trustee Council Action**

Do not fund. Information on flows between Prince William Sound and the northern Gulf of Alaska is important to the GEM program, and the Prince William Sound Science Center is the logical entity to obtain that information. However, there is concern that this proposal will not provide the data required to characterize this flow. The proposer sought funding from the North Pacific Research Board to help address this concern, and Trustee Council considertaion was deferred pending action by the NPRB. At its March 2003 meeting, NPRB declined to support the project.

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April 25, 2003

Gary Kompkoff, President Tatitlek Village IRA Council P.O. Box 171 Tatitlek, AK 99677

Dear Gary:

The *Exxon Valdez* Oil Spill Public Advisory Committee (PAC) is participating in a field trip to Cordova June 6-8, 2003. They will depart from Whittier at 12:30 p.m. on board Honey Charters on June 6. I think this would be an excellent opportunity for them to visit Tatitlek, with your permission, and see the recently completed cultural heritage facility and other ongoing projects in Tatitlek. The PAC will have about an hour to spend in the community.

I anticipate approximately 25 participants. Please let me know if this visit is possible.

Sincerely,

lly WCann

Molly McCammon Executive Director

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April 25, 2003

Bob Henrich, President Native Village of Eyak P.O. Box 1388 Cordova, AK 99574

Dear Bob:

The *Exxon Valdez* Oil Spill Public Advisory Committee (PAC) is participating in a field trip to Cordova June 6-8, 2003. The PAC will cruise up the Copper River with Luke Borer's Copper River Cruises and Tours. I think this would be an excellent opportunity for them to observe the salmon radio tagging project at the Native Village of Eyak's fish wheel site.

I anticipate approximately 25 participants on the trip, which means we will have two groups cruising up the river on Saturday, June 7 and Sunday, June 8. Please let me know if the PAC can visit the fish wheel site and if you can have someone available to describe the project. Also, if you have any additional projects you would like to meet with us about while we are in Cordova, we would be happy to set up some additional time. Thanks, Bob.

Sincerely,

Welam Ulla

Molly McCarhmon Executive Director

Cc: Bruce Cane

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#### MEMORANDUM

- TO: Bill Hauser ADF&G Project Manager
- FROM: Molly McCammon Executive Director
- RE: Extension of Due Date: Final Report Project 02423(amendment) / Patterns and Processes of Change in Selected Nearshore Vertebrate Predators
- DATE: April 23, 2003

This memo is to confirm an extension of the due date to May 31, 2003 for the final report on Shannon Atkinson's component of Project 02423/Patterns and Processes of Change in Selected Nearshore Vertebrate Predators. I understand this extension is needed to complete the statistics in the report. As outlined in Dr. Atkinson's proposal, the final report will consist of a series of manuscripts. Dr. Atkinson has informed me that two of the originally envisioned manuscripts have been merged, and that a total of three manuscripts will now make up the final report.

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### **MEMORANDUM**

- TO: Maritt Miller ADF&G Personnel Officer
- FROM: Molly McGammon Executive Director

RE: Reclassification of EVOS PCNs: Additional Information

DATE: April 21, 2003

This memo clarifies the memo I sent you on April 15, 2003. The purpose of this memo is to notify you of pay increases for Brenda Hall (PCN 11-7705) and Paula Banks (PCN 11-7710) effective October 1, 2002. Both of these positions are totally exempt.

B. Hall (PCN 11-7705) At current range/step (10C) with pay override to \$1,442.00/pay period P. Banks (PCN 11-7710)At current range/step (13C) with pay override to \$1,601.50/pay period

Effective April 16, 2003, please reclassify the EVOS Administrative Clerk III and Administrative Assistant positions as follows:

PCN 11-7705FROM Range 10 Admin. Clerk III TO Range 13 Admin. AssistantPCN 11-7710FROM Range 13 Admin. Assistant TO Range 14 Admin. Assistant

Also effective April 16, 2003, Ms. Hall and Ms. Banks will fill the reclassified positions at the following steps:

B. Hall (PCN 11-7705) Range 13A with pay override to \$1,442.00/pay period

P. Banks (PCN 11-7710) Range 14C with pay override to \$1,601.50/pay period

It is my understanding that the new anniversary date for Ms. Hall will be six months from the date of reclassification (that is, October 16, 2003) and the new anniversary date for Ms. Banks will be one year from the date of reclassification (that is, April 16, 2004).

With the departure of our Administrative Manager (Debbie Hennigh) at the beginning of last year, and the decision to leave that position vacant at this time, administrative duties and tasks were reorganized among existing staff, warranting these reclassifications and pay increases. Ms. Banks has assumed Ms. Hennigh's responsibilities regarding our office's budget and some contracts. Ms. Hall has assumed Ms. Banks' responsibilities regarding travel, and Ms. Hennigh's responsibilities regarding travel, and Ms. Hennigh's responsibilities regarding our building lease and maintenance/updating of our web page.

We will be submitting PARFs shortly in regard to the changes outlined above. Please let me know if you need any additional information.



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#### **MEMORANDUM**

- TO: Pete Hagen NOAA Program Manager
- FROM: Molly McCammon Executive/Director
- RE: Equipment Inventory
- DATE: April 21, 2003

Consistent with the Trustee Council's Financial Procedures (adopted July 9, 2002), which provide for the Executive Director to make a determination at project's end in regard to the disposition of equipment items with an original cost of \$5,000 or more, this memo states my determination that the following items shall become NOAA property. These items are not needed by another Trustee agency for an EVOS project. All of the items were purchased in 1989 with the exception of the NAGRA recorder, which was purchased in 1990. All are currently in use on non-EVOS projects (the projects for which the items were originally purchased were completed long ago).

Description	Serial & P	roperty Numbers	Date	Cost
Helle Pinger	8170	CD0000156203	1989	\$7,000
Magnavox Sat Com				
Antenna	676	CD0000284685	1989	\$10,000
Magnavox Sat Com				
Terminal	417	CD0000284682	1989	\$10,000
Seabird Seacat CTD (non				
SV)	277	CD0000155178	1989	\$7,000
Seabird Seacat CTD (non				
SV)	278	CD0000155179	1989	\$7,000
NAGRA Recorder	0103466	CD0000434396	1990	\$12,865
Office workstation		CD0000431917	1989	\$11,340
Auto sampler		CD0000431539	1989	\$13,900

NOAAtransfer.doc

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### **MEMORANDUM**

- TO: Maritt Miller ADF&G Personnel Officer
- FROM: Molly McCampon Executive/Director
- RE: Reclassification of EVOS PCNs
- DATE: April 15, 2003

Please reclassify the EVOS Administrative Clerk III and Administrative Assistant positions as follows, effective April 16, 2003. Both of these positions are totally exempt.

PCN 11-7705FROM Range 10 Admin. Clerk III TO Range 13 Admin. AssistantPCN 11-7710FROM Range 13 Admin. Assistant TO Range 14 Admin. Assistant

PCN 11-7705 is currently filled by Brenda Hall; PCN 11-7710 is currently filled by Paula Banks. We will be submitting paperwork shortly for salary increases for Ms. Hall and Ms. Banks as follows, effective October 1, 2002:

B. Hall (PCN 11-7705)TO Range 13A with pay override to \$1,442/pay periodP. Banks (PCN 11-7710)TO Range 14B with pay override to \$1,601/pay period

With the departure of our Administrative Manager (Debbie Hennigh) at the beginning of last year, and the decision to leave that position vacant at this time, administrative duties and tasks were reorganized among existing staff, warranting these reclassifications and pay increases. Ms. Banks has assumed Ms. Hennigh's responsibilities regarding our office's budget and some contracts. Ms. Hall has assumed Ms. Banks' responsibilities regarding travel, and Ms. Hennigh's responsibilities regarding lease and maintenance/updating of our web page.

Please let me know if you need any additional information.

staff/reclassBH&PB



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#### MEMORANDUM

- TO: Trustee Council
- FROM: Molly McCammon Executive Director

**DATE:** April 15, 2003

RE: FY 2002 Audit

Attached is your copy of the FY 2002 external audit prepared by Elgee, Rehfeld, Mertz & Barrett. Consistent with prior years, the audit includes a review of the internal control structure used to administer the Trust Funds and a review of the financial statements.

The document titled *Internal Control and Operating Comments*, March 3, 2003, summarizes the auditors' comments and suggestions regarding opportunities to strengthen internal controls and operate more efficiently. Incorporated in the document are responses from the Trustee agencies which received comments.

The document titled *Trust Funds' Financial Statements and Supplementary Restoration Projects Information* is organized into three sections. The first section is a presentation of the fund balances associated with each individual Trust Fund. The second section is organized by Trustee agency and includes the Schedule of Expenditures and Obligations by project. The third section includes the Independent Auditors' Report on Compliance and Internal Control over Financial Reporting.

If you have any questions regarding the FY 02 audit, please do not hesitate to give me a call.

cc: Distribution list



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### MEMORANDUM

TO:	Trustee Council
FROM:	Molly McCammon
DATE:	April 14, 2003
RE:	Materials for April 23 meeting.

You will be receiving two binders of materials for the April 23 meeting:

- 1. A detailed briefing document with multiple appendices and reports. This binder includes the legal documents, plans, policies, and agreements that have been developed for the program since 1991.
- 2. The agenda and backup materials for potential action items that the Trustee Council may want to consider at this meeting.

I have also been asked by one trustee to add to the agenda an executive session to discuss legal and personnel issues. If, after reviewing all of these materials, you have additional issues/questions you would like addressed at either portion of the meeting, please don't hesitate to contact me.

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### **MEMORANDUM**

TO: Trustee Council

FROM: Molly McCammon Executive Director

RE: Asset Allocation Policy: Annual Review & Recommendations

DATE: April 14, 2003

The Trustee Council's Investment Policy (adopted February 29, 2000) calls for the Council to evaluate, at least annually, its strategic asset allocation policy. The Council's review is to include review of recommendations from the Executive Director, following her consultation with the Investment Working Group. As Executive Director, I met with the Investment Working Group (IWG) on April 10, 2003 to review the asset allocation policy. This review included a review and discussion of the Callan Associates, Inc. 2003 capital market projections. Callan Associates, Inc. is an independent financial consultant under contract to the Alaska Department of Revenue.

#### Recommendations

Following review and discussion, the IWG recommended that the Trustee Council basically "stay the course" with its asset allocation policy, but with a modest revision to the allocation in order to maintain an expected real rate of return of 5%. This recommendation is based on an acknowledgement that the Council's goals for the Investment Fund have not changed, that our investment horizon is the long term, that history shows a recession is almost always followed by a strong rebound, and that other State funds, university endowments, and foundations have also discussed the current economic situation and decided to stay the course. The IWG also recommended that the Council revisit the asset allocation in Fall 2003, perhaps in conjunction with the investment management training that is required under the Council's Investment Policy.

#### Discussion

The Trustee Council's current asset allocation policy (adopted April 24, 2000) and the IWG's recommended asset allocation policy are presented in Table 1. Note that the policy includes specific target allocations with established "variability bands". These bands provide flexibility to the fund managers and prevent constant rebalancing of the funds.

	Table 1	
	Current Policy	<b>IWG Recommendation</b>
Domestic Equities (Broad Market)	$41\% \pm 7\%$	$45\% \pm 7\%$
International Equities	$17\% \pm 5\%$	19% ± 5%
Fixed Income	$42\%\pm7\%$	36% ± 7%

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A 5% real rate of return was the basis for the Trustee Council's original asset allocation policy. According to the Callan 2003 market projections, as illustrated in Table 2, without revising the asset allocation policy (i.e., if the Council maintains the status quo of 41%-17%-42%), our expected real rate of return in 2003 would drop to 4.72%. Callan projects a general decline in expected returns across all asset classes in 2003, stemming from lower inflation (projected to decline from 2.9% to 2.6%) and lower bond yields (projected to decline from 5.75% to 4.75%). Reallocating to maintain the 5% real rate of return therefore carries a slightly higher projected risk—the projected standard deviation would increase from 10.69% to 11.67%. This is an indication that the recommended allocation is slightly more volatile than the current allocation.

	Table 2											
Calendar	Projected	Projected Rate	Projected	Projected	Actual Rate	Actual	Actual					
Year	Risk	of Return	Inflation	Real Return	of Return	Inflation*	Real Return					
W/C	URRENT TAR	GETS OF 41% DO	DMESTIC E	QUITY, 17% I	NT'L EQUITY, 4	42% FIXED I	NCOME:					
2000	10.59%	8.25%	3.25%	5.0%	**	**	**					
2001	10.478%	8.147%	3.25%	4.9%	-2.01%	1.6%	-3.61%					
2002	10.879%	7.911%	2.9%	5.01%	-7.28%	2.4%	-9.68%					
2003	10.69%	7.32%	2.6%	4.72%								
W/REC	OMMENDED T	ARGETS OF 45%	DOMESTI	C EQUITY, 19	9% INT'L EQUIT	Y, 36% FIXI	ED INCOME:					
2003	11.67%	7.6%	2.6%	5.0%								

Because of the established variability bands, adoption of the recommended asset allocation policy would not immediately result in a significant shifting of funds between asset classes (see Table 3). Rather, funds would likely be shifted—to get closer to the center of each target—as opportunities arise, either due to practical opportunities (such as deposits to or withdrawals from the Investment Fund) or strategic opportunities. Under the Trustee Council's rebalancing policy, the Executive Director is authorized to move assets among asset classes provided that such actions are within the variability bands. Any asset shifts made at the Executive Director's discretion must be reported at the next Council meeting.

	Table 3	
	Current Actual	IWG Recommendation
	Allocation (4/3/03)	Variability Bands
Domestic Equities (Broad Market)	40%	38-52%
International Equities	16%	14-24%
Fixed Income	44%	29-43%

#### **Attachments**

• The most recent EVOS Investment Fund Reports (February 28, 2002), prepared by the Alaska Department of Revenue, are attached. You will see that the Investment Fund's portfolio performance compares favorably to passively-managed benchmarks. The March Investment Fund Reports will be available just prior to the April 23 Trustee Council meeting, and will be provided to you in advance of the meeting.

• A presentation on the EVOS Investment Fund, based on the Callan Associates 2003 Capital Market Projections, is also attached. Gary Bader, the Chief Investment Officer for the Alaska Department of Revenue, delivered this presentation to the IWG and will deliver it to the Trustee Council at the April 23 meeting.

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### MEMORANDUM

- TO: Trustee Council
- FROM: Molly McQammon Executive Director

RE: ARLIS Library

**DATE:** April 14, 2003

The EVOS Trustee Council has supported oil spill information services from 1990 to 1997 through the EVOS-funded Oil Spill Public Information Center, and since 1997 through the Alaska Regional Library and Information Services (ARLIS), a consortium library funded primarily by federal resource agencies.

The Trustee Council's needs for these kinds of information services have steadily declined over the past five years. Consequently, Council funding for these services has declined proportionately.

Next year, however, is the 15<sup>th</sup> anniversary of the oil spill (March 24, 2004), and once again, as with the 10<sup>th</sup> anniversary, there will be substantial public and media attention on the 1989 spill, as well as increased attention from schools and students.

For this reason, I recommend that the Trustee Council make a commitment now for Federal Fiscal Year 04 to fund one librarian (Carrie Holba) for the entire federal fiscal year (through September 30, 2004) and a second librarian (Celia Rozen) through March 31. This would provide the extra librarian coverage likely to be needed next year.

Since ARLIS is funded through a project separate from the administrative budget project, the actual budget numbers would not come before you for action until August 2003. But your action today would allow ARLIS to satisfy the budgeting requirements that they need to finalize as soon as possible.

**RECOMMENDED MOTION:** The Trustee Council will support in Federal Fiscal Year 2004 funding for one full time librarian for a full 12 months (Carrie Holba) and a second full time librarian (Celia Rozen) for 6 months, through March 31, 2004.





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#### MEMORANDUM

RE:	Trustee Council approval to accept NOAA grant
DATE:	April 14, 2003
FROM:	Molly McCammon Executive Director
TO:	Trustee Council

As part of the Trustee Council's goal of establishing a long-term monitoring program in the spill-impacted region of the northern Gulf of Alaska, we have been working with a number of entities to increase federal funding for coastal observation systems. You will hear more about this at the April 23 briefing. Much progress is being made, and establishing a coordinated network of regional observing systems along the coast of the United States is the first step toward developing a national observation network. The national network of coastal observing systems is coming closer to being a reality. Support for this effort will be one of the primary recommendations coming out of President Bush's U.S. Commission on Ocean Policy, which has Ed Rasmussen as the Alaska representative. Depending on budgets of course, it is expected that significant federal funding will be made available for these efforts. Alaska will be well-positioned through GEM and the newly created Coastal Alaska Observing System (CAOS) to take advantage of that federal funding.

Because of the efforts Council staff has made to work with other marine monitoring programs to develop GEM in the past two years, National Ocean Services (a branch of NOAA) put in the federal FY 03 budget funding for a \$745,000 grant to the Trustee Council's GEM Program to aid in these efforts. These are not funds we requested; however, having these additional funds will free up Trustee Council funds for other projects. Notification of the funding was received only a few weeks ago.

Attached is the grant proposal submitted to NOAA (even though the funds are already in the budget, a grant has to be submitted and reviewed before funds are released). As written, the grant would be used to fund staff, travel and contractual costs for GEM planning and implementation projects that have already been funded by the Council. The federal funds would come to GEM through the Alaska Department of Fish and Game. In order to accept the funds, the Alaska Legislature has to approve federal receipt authority. Since EVOS only had \$100,000 in federal authority in its proposed budget for this

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 Alaska Department of Law

coming fiscal year, I discussed the issue with Kevin Brooks, Director of Administrative Services at ADF&G, and provided him with backup for the request. This issue has been brought before the Council for additional discussion at the request of one of the trustees.

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#### **Change Record Detail With Description**

#### Department of Fish and Game

#### Scenario: FY2004 Fish Game Request (2783)

#### Component: EVOS Trustee Council (2693)

BRU: Administration and Support (148)

	Trans		Personal				·	Land/	Grants			Positi	ons
Change Record Title	Туре	Totals	Services	Travel	Contractual	Supplies	Equipment	Buildings	Claims	Misc.	PFT	PPT	NP
Fund Change from E	VOSS to Federa	l Receipt A	uthority									•	
_	FndChg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
1002 Fed Rcpts 1018 EVOSS	150.0 -150.0												
The Exxon Valdez Department of Fish receipt authority. Administration tota Research Program national network o monitoring projects government and p contractual costs, annually updated s databases. Funds	Oil Spill Trustee In and Game Fisca The Trustee Cour- ling \$745,125 (\$2 In, GEM. The gran f regional coastal s in providing info rivate enterprises and travel for the Science Plan, an have already bee	Council is re al Year 2004 holi has rece 248,375 a ye ht, which wa marine obs rimation to n that work ir early stage annual Invit en approved	equesting an ind budget request sived a three-ye ear) to impleme is included in th erving systems hatural resource the coastal ma s of planning, d ation for Propos I, and will be rel	crease in it of from \$10 ar federal int the Trus e FY03 feo , is intende managem arine enviro eveloping a sals, and a eased onc	s federal progr 0.0 to \$250.0, grant from the tee Council's C Jeral budget as ed to support de tent, oil spill res onment. Grant and implement n annual Work e receipt autho	am receipt a and a decrea National Oce Gulf of Alaska part of a nat evelopment a sponse, sear funds will be ing this prog Plan, as wel rrity is approv	uthority include ase of \$150.0 i canic and Atmo a Ecosystem M tionwide effort and implement ch and rescue cused to supple ram. Products I as several int ved.	ed in the Alaska n EVOS program spheric lonitoring and to establish a ation of GEM , and other ort personnel, will include an formation	n				
Totals		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0

State of Alaska	
Department of Fish and	Game

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Fed Exd to Geno Sat. 3/29/03

### The Gulf of Alaska Ecosystem Monitoring and Research Program

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Establishing a very long-term monitoring program for detecting and understanding change in marine ecosystems to sustain a healthy and biologically diverse marine ecosystem in the northern Gulf of Alaska (GOA) and the human use of the marine resources in that ecosystem

#### PROPOSAL SUBMITTED ON MARCH 28, 2003 TO:

Dr. Jeffrey Payne NOAA Coastal Services Center 2234 South Hobson Avenue Charleston, SC 29405-2413

By

Ms. Molly McCammon, Executive Director Dr. Phillip R. Mundy, Science Director Mr. Robert Bochenek, Data Systems Manager

Gulf of Alaska Ecosystem Monitoring and Research Program *Exxon Valdez* Oil Spill Trustee Council 441 W. 5<sup>th</sup> Avenue, Suite 500 Anchorage, AK 99501

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Attachment 1 – Resumes of key personnel Attachment 2 – Form 424 Attachment 3 – Form 424A, including annual budgets Attachment 4 – Form 424B Attachment 5 – Form CD511 Attachment 6 – GEM Science Plan (February 3, 2003 working draft)

### Introduction

Funding is requested to support implementation of the Gulf of Alaska Ecosystem Monitoring and Research Program, GEM, during the time period July 2003 – June 2006. GEM is a nationally recognized program in planning since 1999 that is now ready for implementation. GEM's goal to produce long-term biological and physical information on coastal ecosystems was evaluated in a review of the program by the National Research Council (NRC 2002), and regionally vetted by a three-year process of public and scientific review. GEM is just now starting the long process of designing and deploying the monitoring system, so early planning and development efforts are critically important to its success. Support funding will provide the support essential for the enhanced scientific input and oversight that is essential as a program is developing. It will also allow GEM's deployment of data acquisition, management and information distribution functions to proceed more rapidly than would otherwise be possible.

In order to maintain brevity, the proposal relies on the GEM Program Document, available on line, <u>http://www.oilspill.state.ak.us/gem/documents.html</u>. The GEM Program Document portrays the Trustee Council's vision and scientific conceptual foundation (Chapters 1-2), outlines the tools available and the initial opportunities for monitoring (Chapters 3-4), gives the approach to program management in terms of science and public involvement (Chapter 5) gives the leading scientific hypotheses and an authoritative synthesis of the scientific literature (Chapters 6-7), and discusses the roles of modeling (Chapter 8) and data management (Chapter 9). Extensive appendices provide background information on relevant monitoring and research activities of others and additional supporting information. Information available in the GEM Program Document is briefly summarized throughout the proposal for the convenience of the reader.

To summarize the relevance of GEM to the region and the nation, the coastal communities of Alaska are tightly linked to the marine ecosystem through their dependence on the environment to provide employment, food and recreation. Though less tightly linked than coastal communities, other parts of the state derive substantial economic, recreational and cultural benefits from these same coastal ecosystems. Consequently, careful long-term management and stewardship of coastal resources are important to the future of all of Alaska; however, the pathways to careful management and stewardship often are limited by lack of the kinds of data and information provided by long-term monitoring programs.

Management and stewardship of coastal resources in Alaska require a long term commitment to monitoring critical biological and physical variables. During the 1970s sharp changes, known collectively as the "regime shift," occurred in marine ecosystems all over Alaska. The regime shift was followed over a period of years by the disappearance of highly lucrative crab and shrimp fisheries in the Gulf of Alaska, even as salmon populations in some parts of the state soared to historical highs. In addition populations of some marine mammals, such as fur seals and Steller sea lions declined during the 1980s and 1990s. The decline of the sea lions ultimately led to the involvement of the federal courts in one of the nation's largest remaining commercial fisheries, pollock. The case of the Alaska pollock fisheries is a classic example of federal courts and other government institutions struggling with little information in the attempt to strike a balance between conservation of natural resources and supporting the economies of coastal communities and the nation.

Crafting responses from government to situations created by a changing environment that both protect the environment and foster economic development requires more and different kinds of information than are presently available. The kinds of information lacking are long-term datasets of physical and biological observations that allow us to detect and understand ecosystem change over time. Such long-term observations are essential to understand how ocean currents move food and energy into the trophic webs of seabirds, marine mammals and fish of coastal ecosystems. Platforms collecting these observations would include moorings, vessel transects and surveys that are relevant to specific aspects of the marine ecosystems of the northern Gulf of Alaska.

How can a long-term monitoring program be implemented that will anticipate government's future needs for information, especially for problems that arise years from now? Fortunately, deciding what kinds of observations to collect, and where and when to collect them, has been made easier by advances in scientific understanding of oceanography of the Pacific Ocean during the past twenty years. This knowledge now offers the prospect of a set of common currencies in which natural resource management problems may be denominated. The common currencies are the food, nutrients and energy that flow from the oceanic regions offshore to fuel the production of birds, fish and mammals in coastal ecosystems, including watersheds. The scientific case for this working concept has been thoroughly documented and reviewed in the scientific synthesis of the GEM Program Document, as vetted by the published review of the National Research Council (NRC 2002). The GEM Science Plan (February 3, 2003 working draft, Attachment 1) provides a brief overview of the scientific literature and linkages to the GEM Program Document.

The GEM program is designed to directly address critical regional needs for long-term information in support of the following activities:

- Fisheries management
- Protected species assessments
- Coastal zone management and permitting
- Environmental impact assessments
- Detection of contaminants in biological resources and sediments

Examples of specific activities within GEM that address each of these needs are presented and discussed in the GEM Science Plan (Attachment 1).

### **Objectives**

Management of the GEM program revolves around developing and maintaining three critical documents:

- Objective 1. GEM Science Plan
- Objective 2. GEM Invitation for Proposals
- Objective 3. GEM Work Plan

#### **Objective 1: GEM Science Plan**

The GEM Science Plan (Attachment 1) is a working reference document derived directly from the GEM Program Document and serves as the origin of the Invitation for Proposals and the Work Plan. The Science Plan is updated as often as necessary and contains the following information:

- Geographic scope and scale within which data acquisition occurs;
- Latest relevant scientific information on habitat types and the processes that connect them;
- Hypotheses across and within habitat types that organize the information into coherent explanations of what controls change in the region's populations of birds, shellfish and mammals;
- Gaps in knowledge of population control mechanisms that need to be filled in order to detect, understand and predict changes in the region's animal populations;
- Summaries and details of the existing data collection programs and how GEM efforts are designed to complement them;
- GEM work in progress;
- GEM work that needs to be done as soon as possible;
- Current expectations for work in the future; and
- Current and prospective status of the two GEM implementation strategies: community involvement and management applications and products.

There are two elements to Objective 1:

Objective 1.1: Science Plan Production Objective 1.2: Science Plan Maintenance

#### **Objective 2: GEM Invitation for Proposals**

The GEM Invitation for Proposals is a clear statement of what the Trustee Council needs in a given fiscal year from scientists and others in the public and private sectors. The annual Invitation is derived directly from the GEM Science Plan and is intended to guide both the proposers in crafting proposals and peer reviewers and the Scientific and Technical Advisory Committee (STAC) during the review process, and to serve as an informative tool for the public. The Invitation is critically important to the success of the program, since it is responsible for communicating to potential implementers of the GEM program.

There are two elements to Objective 2:

Objective 2.1: Invitation Production Objective 2.2: Invitation Maintenance

#### **Objective 3: GEM Work Plan**

To develop the GEM Work Plan, projects are selected by an open competitive proposal process through responses to the Invitation for Proposals. The evaluation of proposals uses independent volunteer peer reviewers selected globally for specific expertise relevant to the proposal, and members of the Scientific and Technical Advisory Committee (STAC), a committee of nationally recognized senior scientists who develop programmatic recommendations for funding from among the peer reviewed proposals. The STAC is supported by a standing subcommittee of volunteer regional scientific and technical experts, and temporary work groups as needed.

There are two elements to Objective 3:

Objective 3.1: Work Plan Scientific Advice Objective 3.2: Work Plan Scientific Review

### Approach

#### Introduction

The overall direction of the GEM program comes from the GEM Program Document, as adopted by the *Exxon Valdez* Oil Spill Trustee Council (Trustee Council). The GEM program will be planned and implemented through the collective efforts of staff employed by the Trustee Council, volunteers from the public and private sectors as part of a community involvement effort, and public and private sector contractors selected by an open competitive proposal invitation process. The process engages all sectors of the marine sciences community, including private, academic and government, and non-government.

The senior management team for the GEM Program consists of the EVOS Executive Director, the GEM Science Director, and the GEM Data Systems Manager. Developing a program of this nature however, which depends significantly on collaboration and coordination with a multitude of other governmental (both state and federal) and nongovernmental efforts, requires significant "upfront" support. Funding is requested to provide additional staff (science coordinator, data programmer and administrative assistant), contractual support, and travel for the early years of implementing the GEM Program.

#### Schedule

The GEM program will be implemented during an annual cycle that coincides with the federal fiscal year, October 1 – September 30. Activities contributing to meeting each of the objectives will be conducted once a year in the following sequence:

- November February: Invitation for Proposals
- February June: Work Plan
- July October: Science Plan

#### Approach, Products and Due Dates by Objective

Objective 1.1: GEM Science Plan Production

The senior management team is tasked with ensuring that the Science Plan is responsive to the overall direction of the Trustee Council, the GEM Program Document, and the public process (including the Public Advisory Committee) which is an essential component of the program. GEM staff are responsible for ongoing development of the Science Plan. Specific activities include briefings, workshops and work groups, writing, editing, oversight of review, and distribution.

Product and due date: 1) Draft Science Plan, updated October each year.

#### Objective 1.2: GEM Science Plan Maintenance

GEM staff are responsible for maintaining products that are essential to ongoing development of the Science Plan. This will allow the Science Plan to be used: 1) as a scientific reference on specific monitoring issues; 2) a reference on similar activities for collaboration and to avoid duplication; 3) a record of GEM activities in progress; 4) a tool for identifying prospects for future GEM activities. Maintenance activities include consultation and coordination with other marine research efforts to develop a network of partnerships to complement core GEM monitoring efforts.

Products and due dates: 1) GEM ProCite electronic bibliography of North Pacific marine scientific literature continuously available; and 2) GEM database of regional marine science activities as part of larger North Pacific database, continuously available.

#### **Objective 2.1: GEM Invitation Production**

GEM staff are responsible for developing a scientifically sound draft Invitation for review by the Trustee Council and its public process. Specific activities include writing, editing and distribution.

Product and due date: 1) Invitation for Proposals, February each year.

#### Objective 2.2: GEM Invitation Maintenance

GEM staff are responsible for maintaining the scientific content of the Invitation and for insuring that the format and procedures are appropriate to a scientific audience. The Invitation is to be maintained in a manner that supports at a minimum the following uses by all concerned: 1) instruction on what kinds of proposals are needed to address specific monitoring and research issues; 2) references on opportunities for collaboration and how to avoid duplicating efforts of existing activities; and 3) links to relevant GEM activities

in progress. Maintenance activities include consultation and coordination with other marine research efforts to insure GEM invites proposals that add to core GEM monitoring efforts.

Product and due date: 1) Standard Instructions for Proposals, updated February of each year.

Objective 3.1: Work Plan Scientific Advice

GEM staff are responsible for producing the scientific content of the draft annual Work Plan from the peer review-STAC process. Specific activities include collecting and editing content.

Products and due dates: 1) Draft Work Plan, June each year; and 2) Final Work Plan, December each year.

Objective 3.2: Work Plan Scientific Review

GEM staff assigns proposals to reviewers, and have the results of each review sent to the STAC. The Science Director participates in programmatic proposal review as a member of the STAC. The Science Director edits the conclusions of the STAC with respect to each proposal.

Products and due dates: 1) GEM Database of peer reviewers, June each year; 2) Draft Work Plan, June each year; and 3) Final Work Plan, December each year.

### **Project Management**

The Trustee Council adopted the GEM program after an extensive public review and positive recommendations from the National Research Council in July 2002. The Trustee Council staff has been engaged in planning for the implementation of the GEM program since August 1999, and approximately \$1 million dollars has been invested in planning since that time, including support for the NRC review, GEM Science Management, GEM Data Management, preparation of the scientific synthesis (Chapter 7) and other parts of the GEM Program Document, and public outreach including workshops, meetings, and public presentations. The institutional commitment to the GEM program has been very strong, and is expected to continue in the future.

Molly McCammon has served as executive director of the *Exxon Valdez* Oil Spill Trustee Council for more than eight years. The Trustee Council is the joint federal-state entity entrusted with managing the restoration program funded by a \$900 million trust created through a court-approved settlement following the 1989 *Exxon Valdez* oil spill. The Trustee Council's programs are viewed as a model internationally because of their emphasis on long-term monitoring from the initial damage assessment of oil spill injury, to restoration and recovery, and now to an endowed ecosystem monitoring program. The GEM Program is viewed as the Trustee Council's lasting legacy for the original spillimpacted region of the northern Gulf of Alaska. Ms. McCammon's expertise is managing the coordination and collaboration between governmental and nongovernmental entities and the public essential to such a multi-faceted program. The principal investigator, Dr. Phillip R. Mundy, is fully qualified to lead the science management of the GEM program by virtue of his extensive experience in scientific research in Alaska, his background in fisheries and oceanography, his broad experience with governmental and non-governmental institutions that have marine science and other environmental missions, and his extensive network of contacts in scientific circles in the North Pacific and the nation. In addition to his scientific experience and credentials, Dr. Mundy has administrative experience appropriate to the nature and geographic scope of GEM. As Chief Fisheries Scientist, Alaska Department of Fish and Game, Dr. Mundy supervised an immediate staff of five scientists and one clerical staffer, was responsible for statewide research issues, and was part of the process of building statewide budgets for research operations. As Manager of the Fisheries Science Department, Columbia River Inter-Tribal Fish Commission, Dr. Mundy supervised a staff of nine scientists and one clerical staff and was responsible for pursuing research issues throughout the Columbia River Basin in Washington, Oregon, and Idaho in cooperation with agencies of state, tribal and federal governments.

Robert Bochenek is a recent addition to the GEM project team, currently serving as the Data System Manager for the program. Mr. Bochenek has spent most of his professional life creating computer based systems to archive, analyze and disseminate scientific data and information products. While working at the Alaska Department of Fish and Game he was successful in re-engineering their informational data systems to make them web accessible and subsequently increase their usability and worth. He is currently working as the primary technical lead for architecting the GEM data system and helping GEM affiliates develop a regional distributed data system which has come to be known as the Coastal Alaska Observation System (CAOS). Mr. Bochenek's efforts will ensure that information collected through the GEM program will be available for generations to come.

### Partnerships

As the creature of a state-federal trustee council, the GEM program has been developed under policies that call for leveraging of funds and interagency coordination and partnerships. Institutions currently making financial contributions to GEM by donating the services of scientists for GEM subcommittees include the Alaska Department of Fish and Game, Biological Research Division U.S. Geological Survey, Cook Inlet Regional Citizens Advisory Council, National Marine Fisheries Service, U.S. Fish and Wildlife Service, University of Alaska, and the Chugach Regional Resources Commission. GEM projects in planning or currently underway are to be conducted with the Prince William Sound Citizens Advisory Council, the Alaska Department of Fish and Game, Kachemak Bay National Estuarine Research Reserve (NOAA-NOS), the Institute of Marine Sciences, University of Alaska Fairbanks, and the Prince William Sound Science Center. In the course of designing the GEM program, 1999-2002, virtually every governmental and non-governmental marine science and environmental organization active in the Gulf of Alaska contributed labor (GEM Program Document-Acknowledgements). In addition, the GEM program is designed and implemented to insure that there will not be duplication of effort in monitoring and research, through its reliance on a database of North Pacific marine science activities, and through the emphasis on strategic

partnerships with regional marine laboratories, government agencies, and other institutions.

### **Application of Results**

In the absence of good data and information, human activities and uses of marine resources often are blamed for any changes to those resources and the overall marine environment. Long-term monitoring of marine resources and ecosystems is essential to adequately document those changes, assess whether they're due to natural forces or anthropogenic factors, and provide the necessary backup for resource management and permitting. Thus, the data and information products generated by the GEM Program should be of immediate use to resource managers, planners and permitters.

More specifically, the GEM Program has been instrumental in developing a prototype operational fisheries oceanography project (involving a physical oceanographer and a fishery biologist) to improve the regulatory structure of the Cook Inlet salmon commercial fishery. In addition, one of the first GEM projects adopted by the Trustee Council in 2002 is developing measures of the impact of subsistence harvests on an important intertidal resource, the black gumboot (a chiton). This is a critical subsistence resource that is poorly understood and is not routinely monitored by federal and state agencies.

The GEM data management and information transfer component (GEM Program Document, Chapter 9) is specifically designed to support user outreach and education via web-based services. Data management and information transfer was identified as an essential component of GEM early in the National Research Council Review of GEM (NRC 2002). All GEM projects are required to develop a data management plan which includes a schedule for delivering the data and information products to the public in a timely manner. The current GEM web site

<u>http://www.oilspill.state.ak.us/gem/index.html</u> presently contains a wealth of information on the marine sciences in the northern Gulf of Alaska, as well as links to hundreds of web sites for other marine science organizations.

### **Cost Efficiency**

Cost efficiency is attained in the GEM program through two strategies: the use of volunteer scientists and other volunteer expertise from private and public sectors in the attainment of the Science Plan and the Invitation for Proposals (Objectives 1 and 2), and the automation of administrative tasks surrounding the peer review process essential to development of the Work Plan (Objective 3). In the preparation of the first GEM Science Plan, 125 scientists and knowledgeable members of the public donated an average of eight hours each. As part of maintaining the GEM Science Plan and producing the Invitation, the eleven members of the habitat subcommittee who serve without compensation from the GEM program are expected to contribute the equivalent of two weeks a year to the program. During the first peer review of GEM proposals in the fall of 2002, ninety-one peer reviews were received from volunteer scientists.

All peer review correspondence is automated through the use of computer programs and the Internet. Peer reviewers are solicited by an e-mail program that draws names from a database of willing peer reviewers developed by the science management program. Persons responding positively to the request for peer review services are sent forms and proposals via e-mail, and are encouraged to respond by e-mail. Over time, the automated processes will become more efficient through improvements in software made possible by our experience and by faster hardware.

The large pool of willing peer reviewers necessary to make the GEM peer review process possible (more than 800) is made possible by the extensive networking undertaken by GEM staff through travel to regional, national and international scientific meetings. Promotion of the GEM program in these venues has also opened up many opportunities for cost savings through sharing research platforms with other, larger programs. The GEM program will be continuing to improve and expand its network of marine science contacts.

### **Budget Narrative**

The request is for \$745,125 over three years (\$248,375). Year 1 will be July 1, 2003-June 30, 2004. Year 2 will be July 1, 2004-June 30, 2005. Year 3 will be July 1, 2005-June 30, 2006.

Personnel: Two currently unfilled positions will be funded primarily (75% of their time) with CSC grant funds. The Science Coordinator and the Data Programmer will assist the senior management team for the GEM program in the objectives related to establishing a coastal observing and monitoring system--the GEM Science Plan, Invitation, and Scientific Advice and Review. The Science Coordinator will provide the primary staff support to the STAC (Scientific and Technical Advisory Committee), assume primary responsibility for managing the scientific review process, edit and oversee production of the annual update of the GEM Science Plan and GEM Invitation, work with tribes and other stakeholder and community groups to ensure community involvement in the GEM program, and provide general assistance to the Science Director, Executive Director, and Program Director. The Data Programmer will support continued development and maintenance of the GEM database of peer reviewers, the GEM database of North Pacific marine scientific literature, and the GEM database of regional marine science activities, as well as provide general assistance to the Data Systems Manager. Nine months of an Administrative Assistant will also be funded with CSC funds to provide general administrative support to implementation of the GEM program. Note that the personnel costs shown include fringe benefits.

Travel:

• STAC travel assumes two 2-day meetings in Anchorage. Includes airfare from Washington, D.C. for O'Dor (\$1,300), from Virginia for Royer (\$1,300), from Oregon for Miller (\$700), and from Fairbanks for Norcross (\$300). Includes 22 days expenses

(hotel, meals, taxi/car rental) at \$200/day (includes a travel day in addition to meeting days for O'Dor, Royer and Miller).

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• PICES travel is for 2 staff to attend meeting (assume international travel). Includes airfare (estimate \$2,000/ticket) and 10 days expenses (hotel, meals, taxi/car rental) at \$260/day.

• GLOBEC travel is for 2 staff to attend meeting (assume national travel). Includes airfare (estimate \$1,000/ticket) and 6 days expenses (hotel, meals, taxi/car rental) at \$220/day.

• CAOS travel is for 2 staff to attend meeting (assume regional travel). Includes airfare (estimate \$500/ticket) and 4 days expenses (hotels, meals, taxi/car rental) at \$200/day.

• Other travel is to support staff participation in other meetings, both within and outside of Alaska, that are part of regional and national efforts to establish coastal observing and monitoring systems. For example, in the past year staff has attended a remote sensing workshop in Homer, Alaska, a traditional ecological knowledge/Native observations workshop in Tatitlek, Alaska, and the GOOS and IOOS planning sessions in Washington, D.C. Trips to Washington, D.C. are budgeted at \$1,000/air ticket and \$300/day expenses (hotels, meals, taxi/car rental). Trips within Alaska are budgeted at \$500/air ticket and \$200/day expenses (hotels, meals, taxi/car rental).

<u>Contractual</u>: Four of the STAC (Scientific and Technical Advisory Committee) members (those who are not federal or state employees) are compensated for their services through contracts with the Trustee Council. Payment is \$500/hour; 20 hours of service are estimated for each member.

<u>Administrative Fees</u>: This fee (roughly 9% of project costs) covers the costs of payroll and personnel functions, accounting functions, and administrative contract monitoring.

<u>Other Funds</u>: The Executive Director, Science Director, and Data Manager are all funded with *Exxon Valdez* Oil Spill Joint Trust Funds, as are all indirect costs (these are costs incurred for common or joint purposes, such as space lease, hardware/software, staff training) and additional travel costs.

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### MEMORANDUM

- TO: Joel Cooper / Cook Inlet Keeper Project 02668 PI
- FROM: Molly McCammon Executive Director
- RE: Extension of Due Date: Project 02668 Final Report Developing an Interactive Water Quality & Habitat Database and Making It Accessible on the Web
- DATE: April 11, 2003

The purpose of this memo is to approve an extended due date of May 15, 2003 for the final report being prepared under Project 02668/Developing an Interactive Water Quality & Habitat Database and Making It Accessible on the Web. 1 understand that the extension is necessary in order to allow incorporation into the report of a summary of the demonstration/training session that you held on the database in early April, as well as a description of the planned enhancements and modifications you expect to make to the database as follow-up to the demonstration.

441 W. 5" Ave., Suite 500 • Anchorage, Alaska 99501-2340 • 907/278-8012 • fax 907/276-7178

#### MEMORANDUM

- TO: Trustee Council
- Molly McCammon FROM:
- RE: Extension of Offer: PWS 05 / Valdez Duck Flats
- April 3, 2003 DATE:

The Trustee Council's offer to purchase small parcel PWS 05 / Valdez Duck Flats expired on December 31, 2002. Made by resolution August 6, 2001, the offer of \$125,000 for this 33 acre parcel was originally set to expire on September 1, 2002. By motion, the Council extended the offer first to October 31, 2002 and then to December 31, 2002. The US Forest Service, who would be the land manager if this acquisition is completed, and The Nature Conservancy, who is pursuing the acquisition on behalf of the US Forest Service, have asked that the offer be further extended to October 30, 2003.

This additional extension would require signing of a purchase agreement by October 30, 2003. The amount of the offer would remain \$125,000. The Valdez Duck Flats parcel has long been on the list of priorities for protection by the Trustee Council. Its acquisition is supported by the city government and the residents of Valdez.

PROPOSED MOTION: Sec. 3 (B) of the Trustee Council's Resolution 01-12, authorizing the purchase of small parcel PWS 05 / Valdez Duck Flats, is amended to approve funding for the acquisition as long as a purchase agreement between the University of Alaska and the U.S. Forest Service (or The Nature Conservancy, acting on behalf of the U.S. Forest Service) is executed no later than October 30, 2003.

sandra/smallparcel/DuckFlatsExtMemo.doc

State Trustees Alaska Department of Fish and Game Alaska Department of Environmental Conservation Alaska Department of Law



Executive Director