Trustee Council Use Only
Project No: _____
Date Received: _____

GEM PROPOSAL SUMMARY PAGE

(To be filled in by proposer)

Project Title	Fisheries Management Applications – Submitted under the BAA
Project Period:	FY04–FY06
Proposer(s):	Kenneth Adams and Ross Mullins Prince William Sound Fisheries Research Applications and Planning
Study Location:	Prince William Sound, Alaska.

Abstract: The proposal is submitted under the category of **Community Involvement**. The project, begun in March of FY–02, will continue to build bridges between the scientific community and resource managers, enhancement programs, subsistence and other stakeholder user groups. The scientific community is describing and attempting to predict variation in biological production whereas, the commercial fishing community desires application for this new information.

We will develop a Mini-Symposium of the annual GEM workshop for presentation in small communities. We will also continue the successful series of workshops created in Cordova for identification of PWS fishery community issues and needs and will seek resolution of the identified issues and needs by application of EVOSTC supported research. The results contained in the Sound Ecosystem Assessment (SEA) program are especially valuable to this process.

This project provides clear and positive opportunities for the resource dependent community to become involved in GEM and can also help identify how products of GEM can be made meaningful to the community.

Funding:	EVOS Funding Requested:	FY 04	$ 44.7 + 4.0 Agency GA
		FY 05	$ 44.7 + 4.0 Agency GA
		FY 06	$ 44.7 + 4.0 Agency GA
			TOTAL: $146.1k
	Non-EVOS Funds to be Used:	FY 04	$ 0.0
		FY 05	$ 0.0
		FY 06	$ 0.0 TOTAL:0.0
Date:6/15/03	Date proposal prepared 6/12/03		

(NOT TO EXCEED ONE PAGE)

GEM RESEARCH PLAN

I. NEED FOR THE PROJECT

A. Statement of Problem

During the years 1994 through 1999, the EVOS Trustee Council invested roughly twenty million dollars in an extensive ecosystem research project in Prince William Sound known as Sound Ecosystem Assessment (SEA). A summary of the results of this multi-disciplinary project was published recently in a special edition of the prestigious journal Fisheries and Oceanography. There has been some modest implementation of SEA project results in various management and science applications to date but, the primary knowledge that was obtained during those years that could be of benefit to regional communities and fishing industry stakeholders and managers remains unimplemented and on the shelf in peer reviewed journals, or worse, in private control.

In February of FY02 EVOS funded a two-year pilot project entitled "Commercial Fishing Management Applications" under the BAA. This project's principal investigators changed the name to PWSFRAP "Prince William Sound Fisheries Research Application and Planning" group. According to the EVOSTC Executive Director's comments in the preliminary review for FY03, the task of this group is to: (a) identify a fisheries relevant subset of EVOS projects, (b) develop criteria and guidelines for making information gathered by GEM relevant for fisheries management and shore-based communities, and (c) develop a plan showing the cycle of movement from basic science to management applications.

PWSFRAP will continue to successfully accomplish these tasks through an ongoing series of targeted community workshops comprised of stakeholders, managers, community members, scientists, native organizations, processors, hatchery operators and other interested participants. From the process of identifying community issues and needs and prioritizing and ranking these it was determined thru consensus that one of the important elements to the group was the Pink Salmon Fry Model that was a part of the SEA research program. The importance of this model and the likelihood that it will provide valuable GEM monitoring contributions and fishery management application can be seen in the **Modeling** component of the GEM RFP that includes a planning project under the Modeling category for FY04 for the purpose of potentially implementing this model in real time in the FY05-07 time frame. The PWSFRAP group will play an important role in coordinating and providing support and a community interface for the PI's involved in the planning for the implementation of this important Pink Salmon Fry model.

It is clear that under the present GEM solicitation that there are several additional areas that can benefit from the **Community Involvement Project** that is PWSFRAP. The one project that we are making a specific solicitation for is to create a **Science Symposium for smaller communities**. The purpose of this project will be to serve the needs of smaller coastal communities whose residents are not able to travel to Anchorage for the annual EVOS-sponsored symposia. Our success and background in creating targeted community workshops and making power point presentations to various groups will be of value in putting together a multi-media mini-symposia that is transportable to smaller interested communities. Such a presentation will

help to spread the message that the GEM program will be a valuable asset that should receive wide spread community support.

Several other examples are included here to show where the PWSFRAP group could be useful to the overall implementation of the GEM program. In the **ACC category** there may be a need to work with the projects that are designed to implement the Vessel of Opportunity program for data collection using vessels from the Alaska Marine Highway System. PWSFRAP could be of assistance to project PI's by providing an interface with the community and port as well as coordinating a targeted workshop for the community if desirable.

Under the **GEM Nearshore category** there are issues that will from time to time arise that can benefit from input the PWSFRAP group can provide. For example, local fish processors have been attempting to get approval for new locations for disposal of fish processing wastes. Applications have been made to the Alaska Department of Environmental Conservation (DEC) for locations and permitting for fish waste disposal. Subsequently, DEC contacted EVOS to see if help or assistance was available on these matters but clearly that is not a role for which EVOS is suited. This situation could potentially be a likely project for a group such as PWSFRAP to provide an interface between a State agency and the community/processor sector. Situations such as this would clearly be of interest in the long-term Nearshore component of GEM monitoring. These are but a few examples that could be developed.

The proposal that follows details the ways the evolving and maturing PWSFRAP group process will continue to address the disconnect between science results and resource applications. We expect to develop an even more inclusive membership and will begin exploring the problem of long-term support for our work through a variety of partnerships and strategies. PWSFRAP will continue to conduct targeted community workshops focusing on herring, hatchery issues and other topics relevant to GEM and deriving from the SEA projects. We hope to help facilitate the development of a SEA pink salmon modeling program as one of our first examples of bringing science results into the applied arena.

B. Relevance to GEM Program Goals and Scientific Priorities

Under the category of **Community Involvement** the **PWSFRSP group will develop a small-scale scientific symposium for coastal communities** in order to serve those interested citizens who are not able to travel to Anchorage for the annual EVOS-sponsored symposia. It is anticipated that tools such as digital imaging, video, audio recordings and power point displays will be organized in a presentation that will capture the highlights of the EVOS annual meeting. One of the Co-PI's has available the necessary video and still cameras, recording equipment and other hardware necessary to make such a presentation successful. The PWSFRAP group has over the past two years developed successful targeted community workshops and will use this knowledge to organize an EVOS annual meeting summary presentation that can be presented in Cordova and that can be transportable to other communities in the region.

A second area that the PWSFRSP group will focus on comes under the category of **Modeling.** The GEM Research Plan in Chapter 3, 3.2.5 Modeling states that: *"The long-term modeling end points for monitoring, synthesis, and research in GEM are working biophysical models that*

make managers, policy makers, and resource users aware of changes in natural resources, help them understand the human and natural origins of these changes, and give them some idea of what to expect in the future". To a large degree, because of the success of the PWSFRAP group pilot project during FY02 and FY03 there is now included in the current GEM RFP invitation for proposals **a Modeling Planning request** "*to develop a plan for implementing one of the smaller, but critical, components of the GEM model, such as the SEA (Restoration Project /320) pink salmon survival model, over a three-year period starting in Spring 2005"*. A one-year planning program prior to implementation will be funded in FY04 and the PWSFRAP group will be an important part of that planning activity. We will maintain close coordination with the principal investigator of that planning effort. PWSFRAP will be able to provide office support, bookkeeping, arrange for meetings with other PI's and the PWS stakeholders as is needed. PWSFRAP group has been in close contact with the planning projects PI leading up to this invitation.

In FY03 PWSFRAP group initiated a **Science Advisory Panel** that is currently comprised of, (1) Mr. Mark Willette, a former SEA PI and ADF&G research biologist; (2) Mr. Tim Joyce, a former ADF&G management biologist, hatchery operator, US Forest Service subsistence biologist and currently serving as mayor of Cordova; (3) Dr. Richard Thorne, a scientist at the PWS Science Center working on zooplankton and acoustic bio-mass fishery issues, and (4) Dr. Tom Kline, a scientist with PWSSC working in the area of marine isotope linkages in the ecosystem. In June of this year Dr. Ted Cooney agreed to also serve as a panel member. At a recent meeting of the science advisors with PWSFRAP it was unanimously agreed that working toward implementation of the pink salmon fry model was of highest priority for the regions fishery managers, industry stakeholders, and the broader PWS community.

The challenge before us is to build bridges of communication and trust between marine scientists and funding organizations on the one hand, and the stakeholder communities on the other. It has been gratifying to observe the changes in perspectives and attitudes that the developing GEM program presents. We as stakeholders are keenly aware of the desire to involve the public in the developing GEM program and to earnestly seek application of research and monitoring results in response to stakeholder needs. We are encouraged by the prospect of working cooperatively with marine scientists, resource managers, and stakeholders to seek and develop partnerships that would provide for more efficient usage of resources and improved communication and cooperation. We recognize that by doing so we can strengthen resource dependant communities by providing access to needed research and monitoring for the resources and the environments upon which communities rely for their livelihoods. Industries need research and development for their growth and survival. Without research and development and its application, the resource dependant communities of coastal Alaska and the State of Alaska as a whole are further compromised.

II. PROJECT DESIGN

A. Objectives

In late FY02 and FY03 we established PWS Fisheries Research Applications and Planning (PWSFRAP) group, a forum for achieving the objectives of this proposal. Under the auspices of PWSFRAP the PI's have initiated the process of identification of important fishery community issues and needs. The process to achieve the objectives listed below will continue in FY04-FY06.

Under the auspices of the PWSFRAP group we:

a.) Will **continue to provide criteria and continuing guidelines** for making and keeping information gathered by the Gulf Ecosystem Monitoring (GEM) plan relevant to fisheries management and shore-based communities.

b.) Will **continue to provide a community forum through workshops** for developing fisheries management applications for all interested entities including Alaska Department of Fish and Game (ADF&G), Prince William Sound Aquaculture Corporation (PWSAC), Valdez Fisheries Development Association (VFDA), Cordova District Fishermen United (CDFU), Exxon Valdez Trustee Council / Gulf Ecosystem Monitoring EVOS) (GEM) plan personnel, commercial fishers, and other groups.

c.) Will **continue to develop a fisheries management relevant subset of information** selected from completed EVOS Restoration projects (SEA, APEX, NVPP, and others) that results in a cycle that moves from basic scientific information, to fishery management application concepts, through public involvement, regulatory processes, fishery management applications, evaluation of efficacy of fishery management applications, back to inform the development of more useful scientific information.

d.) **PWSFRAP group will actively engage in developing partnering relationships** with various entities such as the Oil Spill Recovery Institute (OSRI), Prince William Sound Science Center (PWSSC), Regional Citizens Advisory Council (RCAC), Alaska Department of Fish& Game (ADF&G), Prince William Sound Aquaculture Corporation (PWSAC), Valdez Fisheries Development Association (VFDA), Regional Native Organizations, and the regional fishing associations and local community. Such partnering efforts can result in plans for sharing with data collection efforts of certain projects by structuring methods of data collection incorporating local vessels and possibly vessels of opportunity. It is anticipated that partnering with the PWSAC organization will be necessary to consider and develop suitable protocol for the marking and subsequent identification of certain hatchery releases for use in the Pink Salmon Fry Model implementation. Sharing data from the OSRI Nowcast/Forcast and data from the PWSSC relating to zooplankton and predator abundance temporally and spatially will also be important linkage for the future implementation of a Pink Fry model.

e.) **PWSFRAP will explore funding sources** from both non-government and government entities for cost sharing opportunities that may assist with the sustainable operation of a Pink Salmon Fry model once implementation and testing proves of value.

f.) **PWSFRAP will continue to maintain a modest office in the fishermen's union hall building at Cordova, Alaska.** This office provides a central location where information and

transcriptions of all meetings is available to the public. The office also provides a central repository for GEM program materials and documents and efforts are made to make the GEM information available to the general public to enhance the communities' understanding of the GEM program goals and mission.

g.) **PWSFRAP will develop a web s**ite for the purpose of displaying project progress and relevant documents and meeting transcripts. This site when completed will be linked to the EVOS web site.

h.) **PWSFRAP will develop a mini-EVOS symposium** that will be transportable and available to be presented in smaller coastal communities so that residents of those communities that are unable to attend the annual EVOS meeting in Anchorage can be exposed to the highlights and summary of the flavor of that meeting. This presentation will generally expand the publics understanding and will broaden the support for the GEM program as it moves forward in time. Various multi-media techniques will be employed for this purpose.

B. Procedural and Scientific Methods

This project is not a scientific data gathering effort. Rather our work involves creating a series of public forums designed to discuss and prioritize ways in which the results of previous EVOS-sponsored research programs can be applied to concerns arising in the resource dependent community of Prince William Sound. This coordinating service creates opportunities for stakeholders and resource managers to explore relevant applications of information already on hand but not leveraging practical applications.

C. Data Analysis and Statistical Methods

No data analyses or statistical methods will be used.

D. Description of the Study Area

Our work will be conducted within the resource dependent communities of Prince William Sound.

Coordination and Collaboration with other Efforts

As mentioned above, we intend to partner with the Oil Spill Recovery Institute (OSRI), with Alaska Department of Fish and Game (ADF&G), with the Prince William Sound Science Center (PWSSC), with the regional aquaculture corporations, with the organized fleet, and with native villages and tribes in the region. This collaboration will be in the form of shared forums for discussing resource issues of concern and exploring ways to build sustained funding to support future activities.

III. Schedule

A. Project Milestones

Objective a.) – f.) These activities will be a continuing through the life of the project.

Objective g.) Project web site development will be complete in December FY-04.

Objective h.) The PWSFRAP group will develop an EVOS annual meeting summary presentation to be presented in the PWS region. To be met in March 04, 05 and 06

B. Measurable Project Tasks

FY 04, First quarter (October 1, 2003-December 31, 2003)

October:	Project funding approved by Trustee Council
November:	A workshop will be conducted on a fisheries topic relevant to the project objectives
December:	Project web site will be completed

FY 04, Second quarter (January 1, 2004-March 31, 2004)

January:	Attend annual GEM workshop. Presentation can be made if required. Documentation of Symposium information relevant to developing condensed GEM small community symposium.will be gathered
February/March	A workshop will be conducted on a fisheries topic relevant to the project objectives
March:	Complete small community Gem symposium presentation.

FY 04, Third quarter (April1, 2004-June 30, 2004)

April/May	Make small GEM community symposium presentations

FY 04, Fourth quarter (July 1, 2004-September 30, 2004)

July/September	Resume fishing activities and part time project activities

FY 05/FY 06	(October 1, 2004-September 30, 2006) Project activities will be maintained as in FY 04 and the project report Schedules will be adhered to as required.

IV. RESPONSIVNESS TO KEY TRUSTEE COUNCIL STRATEGIES

A. Community Involvement and Traditional Ecological Knowledge (TEK)

In the course of the on-going community based meeting process both local knowledge and traditional ecological knowledge is shared by participants with various projects principal investigators, resource managers and the meeting co-pi moderators. These meetings are all recorded and complete transcripts are created that are available to the public and are on file at the EVOSTC office. The Chugach Regional Resources Commission's Tribal Natural Resource

Management Program has indicated a desire to develop a linkage with us in future meetings relating particularly to subsistence issues such as herring for the PWS native villages.

Community contacts:

Robert Heinrich, President, Native Village of Eyak
Dune Lankard, Director of Eyak Preservation Council
Paul McCollum, Chugach Regional Resources Commission

B. Resource Management Applications

The primary project goal of the PWSFRAP group, with the exception of the development of the Mini-EVOS Symposium, is focused on the development of resource management applications that can be derived from the SEA Project science base. All of our targeted meetings include key management personnel from ADF&G, USFS, Native fishery managers and Hatchery managers. To date we have successfully elevated the PWS Pink Salmon Fry model to inclusion in the current GEM RFP for a planning project prior to potential implementation in FY05-FY07.

PWSFRAP group has successfully stimulated the development of a Herring Pathology Identification booklet in conjunction with Dr. Gary Marty and Steve Moffit of ADF&G This booklet with photos will be used by fishery managers and fishermen as a tool for determining herring stock health and fitness in the future. (see attached clipping from the May 1, 03 edition of the Cordova Times weekly newspaper.

Resource agency contacts:

Steve Moffit Chief management biologist, ADF&G, Cordova office
Tim Joyce Subsistence management biologist, US Forest Service, Cordova office.
Phil Mundy GEM Science Director, EVOSTC, Anchorage
Jeff Regnart PWS Regional Supervisor,ADF&G Anchorage office
James Brady Senior management, ADF&G Anchorage office

V. Publications and Reports

We will address all required reporting. We also expect to occasionally write for the non-technical fisheries magazines like the Pacific Fisherman or Alaska Magazine.

VI. Professional Conferences

We expect to present the results of each year's work at the annual EVOS-sponsored symposium.

III. RESUMES

Co-Principal Investigators

Ken Adams
Commercial fishing
P.O. Box 1855
Cordova, Ak 99574
(907) 424-5456
(907) 424-5460 fax
kadams@gci.net

Ross Mullins
Commercial fishing
P.O. Box 436
Cordova, Ak 99574
(907) 424-3664
(907) 424-3937
rmullins@gci.net

Brief Summaries of Professional Histories

In late February of FY02 and continuing in FY03, Adams and Mullins were provided funding for a "pilot project" by the EVOSTC entitled "Fisheries Management Applications" (02636 and 03636). Adams and Mullins have acted as co-coordinators for this **Community Involvement Project.** The name adopted by the Co-PI's for their project is Prince William Sound Fisheries Research Applications and Planning group (PWSFRAP).

In FY03 PWSFRAP group incorporated into the project a volunteer Science Advisory Panel that is currently comprised of, (1) Mr. Mark Willette, a former SEA PI and ADF&G research biologist; (2) Mr. Tim Joyce, a former ADF&G management biologist, hatchery operator, US Forest Service subsistence biologist and currently serving as mayor of Cordova; (3) Dr. Richard Thorne, a scientist at the PWS Science Center working on zooplankton and acoustic bio-mass fishery issues. (4) Dr. Tom Kline, a scientist with PWSSC working in the area of marine isotope linkages in the ecosystem, and (5) Dr. Ted Cooney (retired) a PI in the SEA program with a long history of PWS science involvement

Ken Adams has been a commercial fisherman for 25 years. During that time he has held permits and owned vessels in a number of the fisheries of PWS. Currently Adams holds permits and is owner operator of vessels for the drift gillnet fishery and salmon purse seine fishery for PWS. He also holds IFQ halibut quota shares.

Adams obtained an MA degree in biology from San Francisco State College and a BA in Science from Trenton State College in Trenton, New Jersey. In addition Adams has completed approximately 30 credit hours toward a PHD degree in biology at the University of California, Santa Barbara. He has taught science classes in high school and at the community college level.

Adams has held an active membership in all of the fishery organizations of the region. He has held seats on the Board of Directors of PWSAC, CDFU, and PWSSC. He is currently serving as a Board member of the American Seafood's community advisory board. During 1993 Adams was a participant in the four-month planning process that created the Sound Ecosystem science plan. That plan was the guiding document for the SEA program. Adams served on the BOD of the PWSSC for nine years. During the period since the close of the SEA program Adams has remained involved in the review and assessment of the results and the technical assets and resources acquired through the SEA program. Adams has actively followed the progress of the

overall restoration plan with the goal of identifying results that can now contribute to securing and sustaining the recovery of commercial fishing.

Ross Mullins has resided in Cordova since 1963 where he has pursued an active career in the varied commercial fisheries of the PWS-Copper River area. He has been both the owner operator of various vessels and, during the time that the herring fisheries were viable, he was President of MSP Corporation, a processor of herring products for export to Japan.

Mr. Mullins has been active in the various fishery related organizations of the region. He has served on the BOD and Executive Committee of PWSAC for many years since that organizations inception. Mullins has been a member of the BOD of CDFU and the former Cordova Aquatic Marketing Association for many years. In the late 60's and early 70's Mullins created the "Marine Pollution Committee" of the Cordova District Fisherman's Union with the intent to alert the community to the dangers posed by the transportation of oil by super tanker through PWS. This group funded an effort to prevent the siteing of the oil terminus at Valdez and promoted transport of oil to the lower 48 via pipeline through Canada. Mullins is a member of the Copper River Salmon Producers Assn. Mullins served on the BOD of the Alaska Commercial Fishing and Agriculture Bank for 13 years. Mr. Mullins is the founder and chairman of the PWS Fishermen Plaintiff's Committee, an organization that serves to provide that serves to provide an interface for information to the local community relating to the Exxon Valdez oil spill litigation. Mullins was a participant in the planning process that created the Sound Ecosystem science plan. That plan was the foundation document for the SEA program. During the period since the close of the SEA program Mullins has remained involved in attempting to understand the results of the technical assets and resources acquired through the SEA program.

Mr. Mullins attended the University of New Hampshire, the University of Michigan, and obtained a BFA degree in photography from the San Francisco Art Institute.

EXXON VALDEZ OILSPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 04 - FY 06

Budget Category:	Proposed FY 04	Proposed FY 05	Proposed FY 06		TOTAL PROPOSED	
Personnel	$32.2	$32.2	$32.2		$96.6	
Travel	$2.2	$2.2	$2.2		$6.6	
Contractual	$3.8	$3.8	$3.8		$11.4	
Commodities	$0.3	$0.3	$0.3		$0.9	
Equipment	$0.0	$0.0	$0.0		$0.0	
Subtotal	$38.5	$38.5	$38.5		$115.5	
Indirect (rate will vary by proposer)	$6.2	$6.2	$6.2		$18.6	
Project Total	$44.7	$44.7	$44.7		$134.1	
Trustee Agency GA (9% of Project Total)	$4.02	$4.0	$4.0		$12.1	
Total Cost	$48.7	$48.7	$48.7		$146.2	

Cost-share Funds:

There are no cost share funds available at this time.

Indirect rate: Includes office lease@$4.3 ($360 x 12 mo.); utilities@$1.2 ($100 x 12 mo.); liability insurance@$0.7

FY 04-06

Date Prepared: 6/10/200

Project Number:04636-BAA
Project Title:PWS Fisheries Research Applications and Planning group.
Proposer: Ken Adams & Ross Mullins

FORM 4A NON-TRUSTEE SUMMARY

EXXON VALDEZ OILSPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 04 - FY 06

Personnel Costs:			Months	Monthly		Personnel
Name	Description		Budgeted	Costs	Overtime	Sum
Ken Adams	Co-PI		2.3	4.8		11.0
Ross Mullins	Co-PI		2.3	4.8		11.0
Liz Senear	Tech/Admin		3.4	3.0		10.2
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
		Subtotal	8.0	12.6	0.0	
					Personnel Total	$32.2

Travel Costs:	Ticket	Round	Total	Daily	Travel
Description	Price	Trips	Days	Per Diem	Sum
Co-PI Travel to EVOS annual workshop	0.258	1	5	0.06	0.56
Co-PI Travel to EVOS annual workshop	0.258	1	5	0.06	0.56
Travel for targeted small Community Symposium	0.250	4	2	0.00	1.00
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
				Travel Total	$2.1

FY 04

Project Number: 04636-BAA
Project Title: PWS Fisheries Research Applications and Planning group.
Proposer: Ken Adams & Ross Mullins

FORM 4B
Personnel
& Travel
DETAIL

***EXXON VALDEZ* OILSPILL TRUSTEE COUNCIL**
DETAILED BUDGET FORM FY 04 - FY 06

EXXON VALDEZ OILSPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 04 - FY 06

Contractual Costs:		Contract
Description		Sum
Phone	$60.00 month x 12	0.7
Internet	$166.00 month x 12	2.0
Photocopies	annual	0.2
Conference calls	annual	0.7
Cater for meetin	annual	0.2
If a component of the project will be performed under contract, the 4A and 4B forms are required.	**Contractual Total**	$3.8

Commodities Costs:	Commodity
Description	Sum
Computer and office supplies.	0.3
Commodities Total	$0.3

FY 04

Project Number: 04636-BAA
Project Title: PWS Fisheries Research Applications and Planning group.
Proposer: Ken Adams & Ross Mullins

FORM 4B
Contractual & Commodities
DETAIL

***EXXON VALDEZ* OILSPILL TRUSTEE COUNCIL**
DETAILED BUDGET FORM FY 04 - FY 06

EXXON VALDEZ OILSPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 04 - FY 06

New Equipment Purchases:	Number	Unit	Equipment
Description	of Units	Price	Sum
None.			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
		New Equipment Total	$0.0

Existing Equipment Usage:	Number	Inventory
Description	of Units	Agency
Computer equipment obtained in 2002 and 2003 will be utilized in this project.		

FY 04

Project Number: 04636-BAA
Project Title: PWS Fisheries Research Applications and Planning group.
Proposer: Ken Adams & Ross Mullins

FORM 4B
Equipment
DETAIL

EXXON VALDEZ OILSPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 04 - FY 06

Personnel Costs:			Months	Monthly		Personnel
Name	Description		Budgeted	Costs	Overtime	Sum
Ken Adams	Co-PI		2.3	4.8		11.0
Ross Mullins	Co-PI		2.3	4.8		11.0
Liz Senear	Tech/Admin		3.4	3.0		10.2
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
		Subtotal	8.0	12.6	0.0	
					Personnel Total	$32.2

Travel Costs:	Ticket	Round	Total	Daily	Travel
Description	Price	Trips	Days	Per Diem	Sum
Co-PI Travel to EVOS annual workshop	0.258	1	5	0.06	0.56
Co-PI Travel to EVOS annual workshop	0.258	1	5	0.06	0.56
Travel for targeted small Community Symposium	0.250	4	2	0.00	1.00
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
				Travel Total	$2.1

FY 05

Project Number: 05636-BAA
Project Title: PWS Fisheries Research Applications and Planning group.
Proposer: Ken Adams & Ross Mullins

FORM 4B
Personnel
& Travel
DETAIL

EXXON VALDEZ OILSPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 04 - FY 06

EXXON VALDEZ OILSPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 04 - FY 06

Contractual Costs:		Contract
Description		Sum
Phone	$60.00 month x 12	0.7
Internet	$166.00 month x 12	2.0
Photocopies	annual	0.2
Conference calls	annual	0.7
Cater for meetin	annual	0.2
If a component of the project will be performed under contract, the 4A and 4B forms are required.	**Contractual Total**	$3.8

Commodities Costs:	Commodity
Description	Sum
Computer and office supplies.	0.3
Commodities Total	$0.3

FY 05

Project Number: 05636-BAA
Project Title: PWS Fisheries Research Applications and Planning group.
Proposer: Ken Adams & Ross Mullins

FORM 4B
Contractual & Commodities
DETAIL

EXXON VALDEZ OILSPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 04 - FY 06

EXXON VALDEZ OILSPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 04 - FY 06

New Equipment Purchases:	Number	Unit	Equipment
Description	of Units	Price	Sum
None			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
		New Equipment Total	$0.0

Existing Equipment Usage:	Number	Inventory
Description	of Units	Agency
Computer equipment obtained in 2002 and 2003 will be utilized in this project.		

FY 05

Project Number: 05636-BAA
Project Title: PWS Fisheries Research Applications and Planning group.
Proposer: Ken Adams & Ross Mullins

FORM 4B
Equipment
DETAIL

EXXON VALDEZ OILSPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 04 - FY 06

Personnel Costs:			Months	Monthly		Personnel
Name	Description		Budgeted	Costs	Overtime	Sum
Ken Adams	Co-PI		2.3	4.8		11.0
Ross Mullins	Co-PI		2.3	4.8		11.0
Liz Senear	Tech/Admin		3.4	3.0		10.2
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
		Subtotal	8.0	12.6	0.0	
					Personnel Total	$32.2

Travel Costs:	Ticket	Round	Total	Daily	Travel
Description	Price	Trips	Days	Per Diem	Sum
Co-PI Travel to EVOS annual workshop	0.258	1	5	0.06	0.56
Co-PI Travel to EVOS annual workshop	0.258	1	5	0.06	0.56
Travel for targeted small Community Symposium	0.250	4	2	0.00	1.00
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
				Travel Total	$2.1

FY 06

Project Number: 06636-BAA
Project Title: PWS Fisheries Research Applications and Planning group.
Proposer: Ken Adams & Ross Mullins

FORM 4B
Personnel
& Travel
DETAIL

EXXON VALDEZ OILSPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 04 - FY 06

EXXON VALDEZ OILSPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 04 - FY 06

Contractual Costs:		Contract
Description		Sum
Phone	$60.00 month x 12	0.7
Internet	$166.00 month x 12	2.0
Photocopies	annual	0.2
Conference calls	annual	0.7
Cater for meetin	annual	0.2
	Contractual Total	$3.8

Commodities Costs:	Commodity
Description	Sum
Computer and office supplies.	0.3
Commodities Total	$0.3

FY 06

Project Number: 06636-BAA
Project Title: PWS Fisheries Research Applications and Planning group.
Proposer: Ken Adams & Ross Mullins

FORM 4B
Contractual & Commodities
DETAIL

EXXON VALDEZ OILSPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 04 - FY 06

EXXON VALDEZ OILSPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 04 - FY 06

New Equipment Purchases:	Number	Unit	Equipment
Description	of Units	Price	Sum
None			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
		New Equipment Total	$0.0

Existing Equipment Usage:	Number	Inventory
Description	of Units	Agency
Computer equipment obtained in 2002 and 2003 will be utilized in t		

FY 06

Project Number: 06636-BAA
Project Title: PWS Fisheries Research Applications and Planning group.
Proposer: Ken Adams & Ross Mullins

FORM 4B
Equipment
DETAIL

BUDGET JUSTIFICATION

FY-04
Personnel:
Co-PI's Adams and Mullins are each budgeted @ $30/hr for 2.3 man months for a total of 4.6 man months and a gross amount of $22.0k annually. Senear the tech/admin office person is budgeted @ $20.hr for 3.4 man months for a total of $10.2k annually. All personnel work essentially year round on this project with the exception of part time in the months of June, July, August and September when Adams and Mullins are engaged in commercial fishing activity. The total personnel costs of $32.2k is expended in time relating to preparation for and conducting workshops as well as other activities associated with this project.

Travel:
Each Co-PI is budgeted for $0.56k for attending the EVOS/GEM annual symposium. This includes round trip travel, lodging and meals. Total for this is $1.02k

Additional travel of $1.0k is allocated for PI's to conduct small community symposiums is the PWS region.
Total travel is $2.1k.

Contractual Costs:
Contractual costs consists of telephone @ $60 per month totaling $.72k
Internet (high speed)@ $166 per month totaling $2.0k
Photocopying is budgeted annually at $0.2k
Conference calls for meetings is budgeted annually @ $0.7k
Catering for meetings is budgeted annually @ $.0.2k
Total contractual costs is $3.8k annually.
The total contractual costs of $3.8k is expended in preperation for conducting workshops as well as other activities requiring communications, information gathering and planning in conjunction with this project.

Commodities Cost:
The cost of office supplies, computer/printer/ disk consumables is budgeted at $.03 annually.

New Equipment Purchases:
None
Indirect Costs:
Indirect costs includes office lease @360 mo x 12 totaling $4.3k, Utilities @$100/mo x12 totals $1.2k . Liability and workmans compensation insurance for the project is $0.7k annually.
The total for all indirect costs is $6.2k.
The indirect costs are for maintenance of a small office where project business is conducted and office equipment is housed. This office serves as an important interface with the community and creates a local presence for the GEM program.

FY05 – FY06 budget justifications and objectives are identical to the FY04 submitted above.