

Trustee Council Use Only																																				
Project No: _____	GEM PROPOSAL SUMMARY PAGE (To be filled in by proposer)																																			
Date Received: _____																																				
Project Title:	Kodiak Archipelago Youth Area Watch																																			
Project Period:	“FY 04-FY 06”																																			
Proposer(s):	Teri Schneider, Kodiak Island Borough School District																																			
Study Location:	Kodiak Archipelago																																			
Abstract:	<p>The Kodiak Archipelago Youth Area Watch is an ongoing community involvement project designed to engage students in projects with goals aligned with the general restoration efforts of the Trustee Council. Students and site coordinators will conduct interviews with local experts and document TEK, publishing it in a District oral history magazine. Participation of KAYAW adults and students in the annual Academy of Elders/Science Camp will be strongly encouraged. Participants will share their research during annual gatherings. Such participation will serve as another avenue for more tribal members to learn about restoration efforts, scientific monitoring techniques, and occupations related to such work. Students will explore local knowledge as it relates to marine mammal populations, inter-tidal environment, impact of humans on the coastal environment, human use overtime and intergenerational changes and cultural beliefs and practices that may provide insight in scientific studies. The value and implications of TEK will be strongly emphasized throughout the implementation of the KAYAW project.</p>																																			
Funding:	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">EVOS Funding Requested:</td> <td style="width: 15%;">FY 04</td> <td style="width: 15%;">\$ 63,000</td> <td style="width: 15%;"></td> <td style="width: 25%;"></td> </tr> <tr> <td></td> <td>FY 05</td> <td>\$ 63,000</td> <td></td> <td></td> </tr> <tr> <td></td> <td>FY 06</td> <td>\$ 63,000</td> <td></td> <td>TOTAL: 189,000</td> </tr> <tr> <td colspan="5"> </td> </tr> <tr> <td>Non-EVOS Funds to be Used:</td> <td>FY 04</td> <td>\$</td> <td></td> <td></td> </tr> <tr> <td></td> <td>FY 05</td> <td>\$</td> <td></td> <td></td> </tr> <tr> <td></td> <td>FY 06</td> <td>\$</td> <td></td> <td>TOTAL:</td> </tr> </table>	EVOS Funding Requested:	FY 04	\$ 63,000				FY 05	\$ 63,000				FY 06	\$ 63,000		TOTAL: 189,000						Non-EVOS Funds to be Used:	FY 04	\$				FY 05	\$				FY 06	\$		TOTAL:
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Date:	June 13, 2003																																			

(NOT TO EXCEED ONE PAGE)

GEM RESEARCH PLAN

I. NEED FOR THE PROJECT

A. Statement of Problem

Kodiak Archipelago Youth Area Watch shares much of the same values and objectives as the original Youth Area Watch in the Chugach region. The KAYAW participants are committed to assisting in the restoration of the spill area through the collection and requisite samples and data for principal investigators of research projects. Research dollars are often scarce – the assistance of labor through this project to the four core projects is an invaluable asset to the overall restoration effort.

The public aspect of this is also invaluable to the Trustee Council. Alaska Native students are underrepresented in higher-level courses of math and science in high school and are less likely to choose those fields of study at the post secondary level. This project gives students hands-on experience and an avenue to achieve goals that may have once seemed impossible. The Youth Area Watch projects have received tremendous support throughout the spill area and beyond and the benefits of this project are felt in many different arenas. The Trustee Council would be supporting a win-win situation by funding this project again.

It is not sufficient for our KAYAW to wait for interested scientists to ask for help from the students, as has happened to some extent in Prince William Sound. Instead, the KAYAW will continue to create some of its own activities, building upon the special projects that some sites have already begun in previous years. Because they can't guarantee if or when outside scientists might become interested in the product of their efforts, students and site coordinators will begin to focus on addressing local interests and concerns. This will also help to build local support and give the students a sense of contributing to something substantive immediately, rather than just completing homework assignments and filing monitoring information for possible future use.

Given the need to have the tribes involved in GEM and in work related to documenting, learning and applying traditional knowledge, the KAYAW coordinator, site coordinators and student participants will organize a joint workshop with the tribes and the school district to outline a long term KAYAW program that draws upon traditional knowledge to develop a local environmental assessment and monitoring program. There are great resources among the students, the teachers, school district staff, and the Elders. Bringing them together on a collaborative project that focuses on the ecology, natural history and cultural perspectives of each could accomplish great things.

This work will begin with a traditional and scientific inventory of the local ecosystems around each community. The students will interview Elders, read scientific publications, and describe what exists in their area. The description will include species, how they interact, how they are affected by the physical environment, how humans have and could use them, what impacts those uses would have, and where and when the species is particularly sensitive. Habitat mapping will include kelp bed studies, watershed mapping, and beach mapping to include drift studies. A thorough inventory will take the form of a series of reports on various species or areas, and

together the series would make a natural history encyclopedia of the region. These reports can be integrated into the student-developed website that each community continues to develop. Additional information sharing will be enhanced through regular KAYAW communications that will be disseminated throughout the region. By understanding how the local system works from the local perspective, the community will then be able to design a monitoring program that looks at parameters they find relevant to their interests and observations.

Global Learning and Observations to Benefit the Environment (GLOBE) will be implemented at sites to provide a structure with defined protocols for monitoring while providing an effective avenue for publishing student work (www.globe.gov).

Such a program will take some time to set up and get going, but will be well worth the effort, capitalizing on the opportunity that exists in Kodiak by giving some structure to the enthusiasm that persists for KAYAW. The Youth Area Watch program instituted in the Prince William Sound and lower Cook Inlet has been one of the most popular and supported projects that the Trustee Council has implemented. The spill area does not strictly include only those areas; it also encompasses the Kodiak Archipelago and the Alaska Peninsula.

In FY 99, Chugach Regional Resources Commission collaborated with the Kodiak Island Borough School District to institute an internship program within the Community Involvement Project. This internship program chose one student in the communities of Akhiok, Larsen Bay, Old Harbor, Kodiak and Ouzinkie. In FY 00 this project was expanded to develop the Kodiak Archipelago Youth Area Watch Program. The program collaborated with four research projects in FY 00, including EVOS-sponsored 00482, PSP Field Testing Kit; EVOS-sponsored 00245, Harbor Seal Bio-Sampling; intensive monitoring with the Fisheries Industrial Technology Center and National Oceanic and Atmospheric Administration; and an algae testing project with Dr. Gerry Plumley.

Increased involvement by students, teachers and community members was realized during the 1999-2000 school year to include: four students from Ouzinkie, one teacher and one community member; two students from Old Harbor, one teacher, and several community members; two students from Larsen Bay, one teacher, and one community member; two students from Kodiak, and one teacher; and two community members from Akhiok. Total involvement for 1999-2000 school year included ten students, four teachers, and over five community members.

During the 1999-2000 school year many KAYAW project activities took place. In the fall of 1999 a KAYAW orientation meeting took place in Kodiak to connect the District teachers with the scientists and their projects. During the Kodiak Island Borough School District Rural School's Science Fair the community members from Akhiok performed seal bio sampling with seals that had been harvested for a community dinner. A number of students from throughout the region, as well as their teachers, were exposed to the data collection and purpose of this project. Orders were taken to purchase equipment for the students to use. This was done through the recommendations given by the scientists, and coordinated by Brian Himelbloom and Bob Pfitzenreuter of University of Alaska-Fairbanks and the Fisheries Industrial Technology Center located in Kodiak. In December another meeting was held to further the development and organization of the KAYAW.

In 2000 a student/teacher orientation meeting took place to train participations in the use of the equipment and process data collection and reporting. Old Harbor School began to redesign their High School Science studies in order to integrate the KAYAW into their general requirements. During the 2000-01 school year the teachers focused more of their curriculum on marine studies, school-wide, K-12. Students began to collect data pertaining to ocean water temperature, presence of algae, general weather conditions, marine mammal sightings, and seal bio sampling. Students also began research regarding PSP and its presence in the Kodiak waters. In June of 2000 another training session took place that introduced participants to the collection of samples and use of the PSP testing kit created by Jellet Biotek.

During FY 01 the project included the expansion into two additional communities, Chiniak and Port Lions; site teacher training in collaboration with the Kodiak College; the construction of a web site for students, teachers, administrators, and project scientists to collaborate, share, and coordinate projects, as well as post data; additional equipment for monitoring activities; and, participation by students, teachers and scientists in the annual Science Camp held at Afognak. All these steps continued the project in the direction of student oceanographic monitoring in collaboration with the Fisheries Industrial Technology Center, continued beach monitoring for PSP and algal blooms, harbor seal bio-sampling, and hands-on training for a select number of students within the Kodiak Island Borough School District with western scientific knowledge and traditional ecological ways of knowing. A project with the National Marine Fisheries Service to investigate the presence of sandlance and capelin through the efforts of Susan Payne has been integrated as well.

During FY 01 we continued the efforts of the previous years of this program. The Alaska Native Harbor Seal Commission, through 01245, Harbor Seal Bio-sampling continued to support the program through bio-sample training in Old Harbor and Kodiak and included students and hunters from throughout the region. The Fisheries Industrial Technology Center and National Oceanic and Atmospheric Administration, and the National Marine Fisheries Service continue to collaborate with the project and students to collect oceanographic monitoring data. This information will be used to assist the Trustee Council with the Gulf Ecosystem Monitoring Plan. Data collected through this program will fill a hole of oceanographic information that will be necessary for the formation of a 100-year data set. Continued work with 01482, Field-Testing of PSP Test Kits for Subsistence Use was achieved in FY01 regarding beach monitoring and chronic PSP site identification. Students have begun to work on mapping traditional use areas, which include Sugtestun terminology. The Chiniak site worked to determine the presence and abundance of sandlance and capelin along some Chiniak Bay beaches, as well.

In addition, students and site coordinators selected local projects to conduct and expand. Connections to traditional knowledge with integration of Traditional Ecological Knowledge data were made to enhance project reports and individual projects. Individual projects were developed and many were entered into the Kodiak Regional Rural Science Fair that is coordinated with the Alaska Rural Systemic Initiative with support from the Alaska Federation of Natives. Teri Schneider, Alutiiq Studies Coordinator for KIBSD and Aleut Regional Coordinator for Alaska Rural Systemic Initiative is interested in pursuing this continued integration. It has proven to be a factor to motivate students to pursue individual or small group investigations that make sense to where and how they live. Student projects were expected to be presented at the March 2001 TEK Conference and CRRC Annual Gathering, but because of a conflict with scheduling,

KAYAW students were unable to attend. Students will report their projects directly to the tribal council in their community. An intense “Immersion Institute” took place in April for all Kodiak’s rural high school student. With help from Henry Huntington, all of our students were training in the documentation, integration and use of TEK, and learned interview techniques. Students were given the opportunity to interview community members and Elders, which led to the first re-publication of the oral history magazine, *Iluani*. A number of KAYAW students, also, presented their projects to local and regional Elders and western science judges during the Kodiak Regional Science Fair. Five of our students, including three who were working with the PSP testing, won honors to present their projects at the Alaska Native Science and Engineering Society’s Statewide Science Fair and the Alaska Science and Engineering Science Fair.

KAYAW in FY’02 and FY’03 integrated the Alutiiq Museum and Archaeological Repository into its program. The Museum provides technical assistance in the gathering and publishing of traditional ecological knowledge, provides opportunities for archaeological site surveys near the outlying villages, as well as hosting three high school student interns in their *Community Archaeology* project that will take place during the summer seasons. Museum staff tour students throughout their facility while students explore the rich natural resources that the museum was built to protect and house. Field researchers took part in the science camp activities, providing camp participants the opportunity to explore archaeological resources as they are found in the field, while teaching the process of recovery, cleaning, documentation and preservation.

B. Relevance to GEM Program Goals and Scientific Priorities

The Kodiak Archipelago Youth Area Watch will work in primarily three areas. First, harbor seals disastrously affected by the oil spill were being studied under 02245. KAYAW participants will continue to assist in this recovery effort of the Alaska Native Harbor Seal Commission and Trustee Council by our participation in seal biopsy data gathering and reporting sea mammal sightings. Secondly, the archaeological and natural resources will continue to be a focus, capitalizing on the expertise of the Native owned and operated “Alutiiq Museum and Archaeological Repository.” Finally, the Fisheries Industrial Technology Center has ongoing oceanographic monitoring that is being done with KAYAW students. This includes ongoing near shore monitoring projects being conducted by Dr. Robert Foy. The eagerness of this organization and its staff from the University of Alaska Fairbanks has been confirmed through their commitment in the development of the current monitoring data into a long-term KAYAW project.

The public/youth involvement through this project in the restoration process will assist the Trustee Council in their mission to inform and involve the public regarding the restoration program. A more direct line of communication between the Trustee Council and the Kodiak Archipelago communities will be established through the gatherings and trainings, the newsletter and the website.

II. PROJECT DESIGN

A. Objectives

Selected students in the identified communities will participate in the project to accomplish the following objectives:

1. Host an annual workshop with the tribes, communities and school district to outline a long term KAYAW program that draws upon traditional knowledge to develop a local environmental assessment and monitoring program.
2. Identify and communicate KAYAW research and data collection activities to each site, local agencies, and tribal councils.
3. Conduct training in science monitoring, research, traditional ecological knowledge and working with KAYAW students and communities and facilitate opportunities for students to engage in hands on research and data gathering.
4. Develop and maintain the Kodiak Archipelago Youth Area Watch web site to store data, provide information regarding activities, and coordinate efforts of staff, students, researchers, and community members.
5. Involve KAYAW students, scientists and Elders in the annual Science Camp to be held in the summers of 2004, 2005 and 2006
6. Conduct interviews with Elders and community members with regards to contributing to a traditional and scientific inventory of the local ecosystems.
7. Host scientific researchers to present findings, conduct research, and share their understandings of the region to school and tribal communities.
8. Provide internship and/or shadowing opportunities for select students.
9. Identify, develop and present individual and small group student research projects that are relevant to their community.

B. Procedural and Scientific Methods

1. Building upon a workshop that has been held annually in the spring, students and researchers will be invited to share ideas and projects suggested for further study so that community representatives may contribute to the design of a local and/or regional environmental assessment and monitoring program.
2. Identify and communicate KAYAW research and data collection activities to each site, local agencies, and tribal councils through inclusion of topics in established newsletters, electronic

mailings as well as periodic written updates, distributed regionally.

3. Conduct training in science monitoring, research, traditional ecological knowledge and working with KAYAW students and communities and facilitate opportunities for students to engage in hands on research and data gathering.

- a. Training in the use of GLOBE and its established protocols will be available through District in-service opportunities. Orientation to AFN's research policy and the EVOS Protocols for Including Indigenous Knowledge will be provided to participants through the PI.
- b. KAYAW will work with local harvesters involved in the program to bio-sample harbor seals caught for subsistence purposes. Mitch Simeonoff, Akhiok, and Vickie Vanek from ADF&G will work with the school district to train and involve students.
- c. Participants will utilize the monitoring kits we have acquired in continuing a long-term oceanographic and near-shore monitoring program. Indicators to be monitored will include ocean temperature, salinity, alkalinity, tides, as well as the presence of predator/prey, seabirds, and habitat, and other information as it pertains to the projects.

4. Develop and maintain the Kodiak Archipelago Youth Area Watch web site to store data, provide information regarding activities, and coordinate efforts of staff, students, researchers, and community members. Though the District has a website, lack of staffing and funding has not allowed it to be maintained. In addition, some of the remote sites do not have the hardware and connection to support the needed internet connections to maintain individual web sites. A local web page designer has been contacted to complete this work and provide the assistance necessary to develop a website. Maintenance for this site will be through the Rural Schools Office of KIBSD.

5. Involve KAYAW students, scientists and Elders in the annual Science Camp to be held in the summers of 2004, 2005 and 2006. The camp is an opportunity for students, teachers and community members from across the islands to learn from Elders and other culture bearers how traditional ways of knowing can be incorporated into western science. This camp will allow students to present their work to the other camp participants, educating and enlarging the support and momentum of the project. The Science Camp will be an opportunity for youth to recap the activities of the year and begin to plan for the coming year. The KAYAW student participants will have the opportunity to provide some introductory training while showcasing their skills in water monitoring, seal bio-sampling and traditional observational skills to younger students and interested community members.

6. Conduct interviews with Elders and community members with regards to contributing to a traditional and scientific inventory of the local ecosystems.

7. Host scientific researchers to present findings, conduct research, and share their understandings of the region to school and tribal communities.

8. Provide internship and/or shadowing opportunities for select students. KIBSD will work with

the Alutiiq Museum to provide up to four students the opportunity to become an archaeological intern during the museum's *Community Archaeology*, a program that combines scientific research on Alutiiq Heritage and public outreach and education. In addition, there may be opportunities throughout the summer for students to engage in short term shadowing in field research activities.

9. Identify, develop and present individual and small group student research projects that are relevant to their community. Students identify a local research project to implement that is achievable. Presentations by students will be conducted at the Regional Rural Science Fair that focuses on culturally and environmentally relevant projects. Students may also present at any number of locally organized regional gatherings. School credit for the youth involvement in this project is strongly encouraged. High school juniors and seniors are strongly encouraged to integrate a KAYAW project into their junior or senior project. Other school credit may be earned in integrated math, science, technology, Alutiiq studies, social studies, or language arts. This will encourage even more participation and give credibility to the project among site teachers and students who are thinking about applying to the project. Students and site sponsors may be contracted to continue their work when school is not in session to guarantee the continuity of their monitoring and documenting efforts.

C. Data Analysis and Statistical Methods

GLOBE data will be posted on the GLOBE website which is accessed and utilized worldwide. Seal bio-samples will be given to ADF&G for further analysis in their studies. Transcripts and photos that contribute to the oral history magazine project will be housed permanently at the Alutiiq Museum, making them available to other researchers.

D. Description of Study Area

Kodiak Archipelago Youth Area Watch activities will take place in the Kodiak Island communities of Akhiok, Old Harbor, Port Lions, Ouzinkie, Chiniak, and Kodiak (Larsen Bay may participate depending upon fluctuating student enrollment.)

E. Coordination and Collaboration with Other Efforts

The Kodiak Island Borough School District will serve as the administering agency for this project. KIBSD will coordinate and collaborate with tribal councils, site sponsors, researchers, and students on the successful implementation of the project. District will provide training for the GLOBE implementation and for interview protocols.

Partnerships with the Fisheries Industrial Technology Center, National Marine Fisheries Service and the Alaska Department of Fish and Game will continue to perpetuate the marine mammal monitoring, near-shore monitoring, and ocean-monitoring components of the project. Staff from each of these organizations has already integrated our KAYAW students into their research and outreach component of their programs by providing shadowing opportunities and exchanging research with students.

The Alutiiq Museum through its visiting and permanent staff will provide technical assistance in conducting site surveys and will host student interns during their *Community Archaeology* summertime project. Staff will provide support to students and site coordinators in their efforts to conduct Elder interviews, as well as support for individual and small group research projects. In partnership with the KA YAW project and additional District staff and local Elders and experts, the Museum will build on the knowledge of traditional ways to understand better how to promote, sustain, harvest and properly care for our local and regional resources.

The Native Village of Afognak Tribal Council provides the facilities and additional funding needed to conduct the Academy of Elders/ Science Camp.

Any transportation to remote sites will be contracted with local individuals or businesses with proper licensure.

III. SCHEDULE

A. Project Milestones

- Objective 1. Annual workshop
On-going, annually
- Objective 2. Identify research
On-going, annually
- Objective 3. Conduct training
On-going, annually
- Objective 4. Develop and maintain website
On-going, annually
- Objective 5. Implement science camp
On-going, annually
- Objective 6. Conduct interviews
On-going, annually
- Objective 7. Researchers present findings
On-going
- Objective 8. Provide internships and/or shadowing opportunities
On-going
- Objective 9. Identify, develop and present individual and small group projects
On-going, annually

Objectives identified in the project design will serve as guidelines for community involvement within the civil settlement region throughout the life of the restoration effort. It is expected that the KAYAW will be completed upon termination of the restoration and monitoring effort.

B. Measurable Project Tasks

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

October: Project funding approved by Trustee Council
October 15: Sites select students and design research plan

FY 04, 2nd quarter (January 1, 2004-March 31, 2004)

January 12-16 (tentative): Annual GEM Workshop
January 21-23: Kodiak Regional Rural Science Fair

FY 04, 3rd quarter (April 1, 2004-June 30, 2004)

May 30: Submit final manuscript of Iluani for publication
June 30: Summer internship/shadowing opportunities identified

FY 04, 4th quarter (July 1, 2004-September 30, 2004)

(Dates not yet known): Academy of Elders/Science Camp

FY 05, 1st quarter (October 1, 2004-December 31, 2004)

October 15: Sites select students and design research plan

FY 05, 2nd quarter (January 1, 2005-March 31, 2005)

(Dates not yet known) Annual GEM Workshop
(Dates not yet known) Kodiak Regional Rural Science Fair

FY 05, 3rd quarter (April 1, 2005-June 30, 2005)

May 30: Submit final manuscript of Iluani for publication
June 30: Summer internship/shadowing opportunities identified

FY 05, 4th quarter (July 1, 2005-September 30, 2005)

(Dates not yet known): Academy of Elders/Science Camp

FY 06, 1st quarter (October 1, 2005-December 31, 2005)

October 15: Sites select students and design research plan

FY 06, 2nd quarter (January 1, 2006-March 31, 2006)

(Dates not yet known): Annual GEM Workshop
(Dates not yet known): Kodiak Regional Rural Science Fair

FY 06, 3rd quarter (April 1, 2006-June 30, 2006)

May 30: Submit final manuscript of Iluani for publication
June 30: Summer internship/shadowing opportunities identified

FY 06, 4th quarter (July 1, 2006-September 30, 2006)

(Dates not yet known): Academy of Elders/Science Camp

IV. RESPONSIVENESS TO KEY TRUSTEE COUNCIL STRATEGIES

A. Community Involvement and Traditional Ecological Knowledge (TEK)

In addition to assisting in research, community involvement and the utilization of traditional ecological knowledge are at the heart of this program. Tribal councils, schools, communities, regional organizations, and researchers will all be collaborating to ensure that this project is a success. KIBSD will work closely to ensure that each of the tribal councils where there are KAYAW participants will have a voice in the research and curriculum of the program. Communities will be informed when projects are going on and opportunities will be made available for community comment and involvement during the sharing of information from a sponsored project. Cooperation and communication will be enhanced between the Principal Investigator and Kodiak area Community Facilitator, Paul Panamarioff in Ouzinkie through their Tribal Government's Environmental Programs Office headed by Daniel and Katherine Ellanak.

Traditional ecological knowledge will be integrated into the projects that students and communities design and collaborating researchers will be encouraged to utilize TEK on their particular projects. Students will present their findings to Elders and the science community during the Regional Science Fair, as well as during the Academy of Elders/Science Camp. Individual and small group projects must show the integration of Native Ways of Knowing in their research.

As KIBSD continues to produce the oral history magazine, *Iluani*, it will become an additional avenue to communicate the importance and application of local knowledge with regards to the environment and natural resources. Articles may include insights and history of the region, including the information on the environment and natural habitat of animals of the area. All original transcripts of the interviews, along with original photos and video, will be permanently housed at the Alutiiq Museum, making them available for other researchers. Students, teachers and project sponsors are mindful of and adhere to AFN's Board Policy Guidelines for Research as well as the EVOS Protocols for Including Indigenous Knowledge.

B. Resource Management Applications

As students produce writings for the *Iluani* oral history magazine, the information will be permanently housed for further research in the future that may contribute to the overall assessment of natural and archaeological resources throughout the archipelago. Any student-produced maps of the region, including traditional use areas and archaeological sites will become a part of the permanent record housed at the Alutiiq Museum. (Resource Contact: Patrick Saltonstall, Alutiiq Museum Collections Manager)

V. PUBLICATIONS AND REPORTS

Project reports that will include a description of student activities and the progress of the program will be submitted to EVOS quarterly and annually as required. In addition to this reporting, select KAYAW students will publish their work in *Iluani: The Life and Culture of Kodiak Island*, an oral history magazine re-established during the past three years. Additional features to this magazine will be regional maps and interviews regarding human use of natural resources.

VI. PROFESSIONAL CONFERENCES

The PI will be attending the North American Association for Environment Education – 32nd Annual Conference in Anchorage, Alaska, October 7-11, 2003 as a co-presenter for the Alaska Native Knowledge Network/Alaska Rural Systemic Initiative. The presentation is titled, Education Indigenous to Place. As a co-presenter the PI will be presenting information with examples of work that is currently underway through a ten-year initiative to assist schools throughout rural Alaska to integrate Alaska Native knowledge, ways of knowing and world views into all aspects of education, with a particular emphasis on using the local cultural and physical environment as a laboratory for learning. The Academy of Elders/Science Camp and the Kodiak Regional Rural Science Fair will be highlighted as a successful example of this integration.

Concentration of presenting project progress and results will be done locally in conjunction with gatherings pertaining to training opportunities and during the annual workshop in Kodiak.

**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	\$18.0	\$18.0	\$18.0	\$54.0
Travel	\$21.2	\$21.2	\$21.2	\$63.6
Contractual	\$18.1	\$18.1	\$18.1	\$54.3
Commodities	\$0.5	\$0.5	\$0.5	\$1.5
Equipment	\$0.0	\$0.0	\$0.0	\$0.0
Subtotal	\$57.8	\$57.8	\$57.8	\$173.4
Indirect (rate will vary by proposer)				
Project Total	\$57.8	\$57.8	\$57.8	\$173.4
Trustee Agency GA (9% of Project Total)	\$5.2	\$5.2	\$5.2	\$15.6
Total Cost	\$63.0	\$63.0	\$63.0	\$189.0

Cost-share Funds:

No indirect costs will be taken by the Kodiak Island School District. Administrative oversight, secretarial support and general grants management will be absorbed as cost sharing contributions to the project. Total cost sharing contributions include 0.7 (fte) certified staff, facilities and utilities, miscellaneous commodities, as well as the additional costs for science camp, science fair, and the annual workshop.

**FY 04-
06**

Date Prepared:

10-Jun-03

Project Number: 04610
Project Title: Kodiak Archipelago Youth
Area Watch
Proposer: Teri Schneider

**FORM 4A
NON-
TRUSTEE
SUMMARY**

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

Personnel Costs:			Months Budgeted	Monthly Costs	Overtime	Personnel Sum
Name	Description					
T. Schneider	KAYAW Coordinator (0.3)		12.0	1.5		18.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
Subtotal			12.0	1.5	0.0	
Personnel Total						\$18.0

Travel Costs:	Ticket Price	Round Trips	Total Days	Daily Per Diem	Travel Sum
Description					
T. Schneider site visits for program dev. and support to students and site coordinators, site coordinators and student travel for trainings, etc.	0.2	10	10	0.1	3.0
Student, site coordinator, researcher, and Elder travel to science camp and fair	0.2	22	42	0.1	8.6
Student, site coordinator, researcher, and Elder travel to regional workshop	0.2	20	10	0.1	5.0
T. Schneider to Anchorage for EVOS Workshop	0.2	12	16	0.1	4.0
	0.4	1	2	0.1	0.6
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
Travel Total					\$21.2

FY 04

Project Number: 04610
Project Title: Kodiak Archipelago Youth Area Watch
Proposer: Teri Schneider

FORM 4B
Personnel & Travel
DETAIL

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

Contractual Costs:		Contract
Description		Sum
Professional technical services from Alutiiq Museum		5.0
Vessel Charters		1.5
Printing costs and communication		1.6
Professional technical services for website construction and maintenance		3.0
Site coordinators		1.0
Student Interns		1.0
Elder honorariums		5.0
If a component of the project will be performed under contract, the 4A and 4B forms are required.		
	Contractual Total	\$18.1
Commodities Costs:		Commodity
Description		Sum
Replacement of consumable water monitoring materials		0.3
Consumable audio/visual supplies		0.2
	Commodities Total	\$0.5

FY 04

Project Number: 04610
 Project Title: Kodiak Archipelago Youth
 Area Watch
 Name: Teri Schneider

**FORM 4B
 Contractual &
 Commodities
 DETAIL**

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

New Equipment Purchases:		Number of Units	Unit Price	Equipment Sum
Description				
				0.0
				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 of Units	Inventory Agency	
Description				
	Laptop computer	1		
	Seal bio-sampling kits	7		
	Marine station monitoring kits	5		
	Tape recorders	4		
	Digital camera	1		

FY 04

Project Number: 04610
 Project Title: Kodiak Archipelago Youth
 Area Watch
 Proposer: Teri Schneider

**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	
T. Schneider	KAYAW Coordinator (0.3)		12.0	1.5		18.0	
						0.0	
						0.0	
						0.0	
						0.0	
						0.0	
						0.0	
						0.0	
						0.0	
						0.0	
						0.0	
						0.0	
						0.0	
						0.0	
Subtotal			12.0	1.5	0.0		
Personnel Total						\$18.0	
Travel Costs:			Ticket	Round	Total	Daily	Travel
Description			Price	Trips	Days	Per Diem	Sum
T. Schneider site visits for program dev. and support to students and site coord			0.2	10	10	0.1	3.0
Researchers, site coordinators and student travel for trainings, etc.			0.2	22	42	0.1	8.6
Student, site coordinator, researcher, and Elder travel to regional workshop			0.2	12	16	0.1	4.0
T. Schneider to Anchorage for EVOS Workshop			0.4	1	2	0.1	0.6
Student, site coordinator, researcher, and Elder travel to science camp and fair			0.2	20	10	0.1	5.0
							0.0
							0.0
							0.0
							0.0
							0.0
							0.0
							0.0
							0.0
							0.0
Travel Total							\$21.2

FY 05

Project Number: 05610
Project Title: Kodiak Archipelago Youth Area Watch
Proposer: Teri Schneider

**FORM 4B
Personnel
& Travel
DETAIL**

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

Contractual Costs:		Contract
Description		Sum
Professional technical services from Alutiiq Museum		5.0
Vessel Charters		1.5
Printing costs and communication		1.6
Professional technical services for website construction and maintenance		3.0
Site coordinators		1.0
Student Interns		1.0
Elder honorariums		5.0
If a component of the project will be performed under contract, the 4A and 4B forms are required.		
Contractual Total		\$18.1
Commodities Costs:		Commodity
Description		Sum
Replacement of consumable water monitoring materials		0.3
Consumable audio/visual supplies		0.2
Commodities Total		\$0.5

FY 05

Project Number: 05610
 Project Title: Kodiak Archipelago Youth
 Area Watch
 Proposer: Teri Schneider

**FORM 4B
 Contractual &
 Commodities
 DETAIL**

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

New Equipment Purchases:		Number of Units	Unit Price	Equipment
Description				Sum
				0.0
				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 of Units	Inventory
Description			Agency

FY 05

Project Number: 05610
 Project Title: Kodiak Archipelago Youth
 Area Watch
 Proposer: Teri Schneider

FORM 4B
 Equipment
 DETAIL

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

Contractual Costs:		Contract
Description		Sum
Professional technical services from Alutiiq Museum		5.0
Vessel Charters		1.5
Printing costs and communication		1.6
Professional technical services for website construction and maintenance		3.0
Site coordinators		1.0
Student Interns		1.0
Elder honorariums		5.0
	Contractual Total	\$18.1
Commodities Costs:		Commodity
Description		Sum
Replacement of consumable water monitoring materials		0.3
Consumable audio/visual supplies		0.2
	Commodities Total	\$0.5

FY 06

Project Number: 06610
 Project Title: Kodiak Archipelago Youth
 Area Watch
 Proposer: Teri Schneider

**FORM 4B
 Contractual &
 Commodities
 DETAIL**

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

New Equipment Purchases:		Number of Units	Unit Price	Equipment
Description				Sum
				0.0
				0.0
				0.0
				0.0
				0.0
				0.0
				0.0
				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 of Units	Inventory
Description				Agency

FY 06

Project Number: 06610
 Project Title: Kodiak Archipelago Youth
 Area Watch
 Proposer: Teri Schneider

**FORM 4B
 Equipment
 DETAIL**

Personnel Costs:

\$18,000/year for 3 years = \$54,000

One KAYAW Coordinator is employed by the Kodiak Island Borough School District with 1/3 of the salary coming from EVOS funding. This person serves the communities of Kodiak, Akhiok, Chiniak, Danger Bay, Karluk, Larsen Bay, Old Harbor, Ouzinkie, and Port Lions as the Alutiiq Studies Coordinator. The work of KAYAW is compatible with this existing position as it place-based, as well as culturally and environmentally relevant. KAYAW projects have prompted the District to integrate these kinds of studies in their curriculum and have greatly influenced the definition of place-based education in the region.

Travel Costs:

\$21,200/year for 3 years = \$63,600

Travel includes the costs to transport some of the participants to three gatherings throughout the year including the Academy of Elders/Science Camp, the Rural Regional Science Fair and the regional Education Summit. During each of these gatherings students share what they have learned from their research and interviews with the greater community of the Kodiak Archipelago. Also included in these funds are monies to send the Coordinator to each participating sight to support student research meet with community members. Guest scientists will be invited to travel to sights to share their research and train students in data gathering while providing other sights to join in the training and information sharing.

Contractual Costs:

\$18,100/year for 3 years = \$54,300

The Alutiiq Museum and Archaeological Repository will be contracted to employ up to four high school students to work side by side with their staff during the *Community Archaeology* project each summer. Honorariums for Elders will be provided for their sharing and guidance during gatherings, including the camp and fair. Stipends will be offered to adult sponsors and students for their work during the summer with visiting researchers and data collection. KAYAW will contribute to the additional printing costs for *Iluani* (an oral history magazine) and its inclusion of TEK. Vessels will be contracted for transportation to remote sites and a website designer will be hired from outside the District to launch the KAYAW site.

Commodities:

\$500/year for 3 years = \$1,500

Consumable materials, including GLOBE testing materials, as well as video and audio tapes will need to be purchased each year to support oral history gathering and on going monitoring of the environment.