

Kodiak Archipelago Youth Area Watch

Project Number: 02610
Restoration Category: General Restoration
Proposer: Kodiak Island Borough School District
Lead Trustee Agency: ADFG
Cooperating Agency: Kodiak Island Borough School District
Alaska SeaLife Center: Yes
Duration: 3rd year, 3-year project
Cost FY 02: \$119.9 (project cost) + \$8.4 (ADF&G GA) = \$128.3 (total)
Cost FY 03: \$53.9
Geographic Area: Kodiak Archipelago
Injured Resources/Services: Harbor seals, sub-tidal and inter-tidal communities, subsistence, and commercial fisheries

ABSTRACT

The Kodiak Archipelago Youth Area Watch will 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 recommended. 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. The value and implications of TEK will be strongly emphasized throughout the implementation of the KAYAW project.

INTRODUCTION

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.

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 will continue 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 has been integrated as well. 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.

During the spring of 1998 Kodiak Island Borough School District personnel and the Chugach Regional Resources Commission personnel began to discuss the development of the Kodiak Youth Area Watch. In September 1998 CRRC was funded through the EVOS Trustee Council to implement the KYAW project. The KIBSD and the CRRC later signed a Memorandum of Agreement.

In January 1999 KYAW applications were sent to all eight communities in the Kodiak archipelago to prompt student, teacher, and community participation. The village of Larsen Bay had one intern, the village of Karluk had one intern and one alternate, the village of Old Harbor had one intern and one alternate, and the village of Akhiok had one intern. Each of the six student interns researched, locally, the effect of the 1989 oil spill in their village by interviewing elders and other community members. Students also participated in the 10th year Symposium held in March 1999 where they reported on the status of their research activities within the KYAW Program.

During the remainder of the spring of 1999, CRRC and KIBSD personnel researched possible projects for the KYAW and sought to increase the number of students participating. CRRC later

submitted a proposal to continue the KYAW for FY 00. Once the proposal was approved, CRRC and the KIBSD signed a Memorandum of Agreement.

In FY 00, the KIBSD and CRRC were successful with implementing four core research projects, two of which were funded by the Trustee Council. These projects included 1) 00482, Field-Testing of PSP Test Kits for Subsistence Use; 2) 00245, Harbor Seal Bio-sampling, will train and involve KYAW participants in the program. They were trained in how to conduct a bio-sample, where to ship the sample, and what the uses of the seal are for research: 3) Dr. Gerry Plumley, University of Alaska-Fairbanks, received funding from the Alaska Science and Technology Foundation to test algae for a possible connection to the infection of PSP to shellfish. He has involved KYAW participants in FY 00 and will continue to utilize them in FY 01; and 4) the Fisheries Industrial Technology Center and National Oceanic and Atmospheric Administration have been working closely with the program to develop and implement a long-term, consistent monitoring program that will focus on salinity, water temperature, and a host of other oceanographic indicators. Comprehensive monitoring kits were purchased for the participants in each of the communities to use.

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 Pfutzenreuter 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 participants 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 plan to focus more of their curriculum on marine studies school-wide. 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 Biotech.

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 is working 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 TEK 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 AKRSI is very 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. A number of KAYAW students, however, 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.

NEED FOR 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. Youth involved in science, especially Alaska Natives, has been difficult to achieve in many cases. 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 begin 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. 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 has already established. Additional communication will be enhanced through a monthly KAYAW newsletter 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.

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.

B. Rationale/Link to Restoration

The Kodiak Archipelago Youth Area Watch will work in primarily three areas. First, harbor seals disastrously affected by the oil spill are being studied under 02245. KAYAW participants would assist in this recovery effort of the Alaska Native Harbor Seal Commission and Trustee Council. Secondly, the enhancement of safe shellfish to eat would benefit the use of subsistence greatly; consequently, assisting in the recovery of the subsistence service by providing a

replacement subsistence resource for harvesters. The field test and algae project both will assist in making shellfish safer for everyone. Finally, the Fisheries Industrial Technology Center, the National Marine Fisheries Service, and the National Oceanic and Atmospheric Administration have ongoing oceanographic monitoring that is being done with KAYAW students. The eagerness of these organizations 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 gathering, the newsletter and the website.

C. Location

Kodiak Archipelago Youth Area Watch will take place in the Kodiak Island communities of Akhiok, Old Harbor, Port Lions, Ouzinkie, Chiniak, and Kodiak (Larsen Bay and/or Karluk may participate depending upon fluctuating student enrollment.) Site coordinators and students will be continually trained through the school district, Kodiak College, the Fisheries Industrial Technology Center, the National Marine Fisheries Service, the Alaska Native Harbor Seal Commission, and the National Oceanic and Atmospheric Administration, and as other opportunities present themselves with visits to our island communities from the many scientists that travel there. Teri Schneider will serve as the coordinator and principal investigator for the program for the school district, with outreach to tribal councils through the Kodiak Archipelago. Additionally, traditional ecological knowledge will be integrated into the program with the assistance of TEK Specialist, Dr. Henry Huntington.

COMMUNITY INVOLVEMENT AND TRADITIONAL ECOLOGICAL KNOWLEDGE

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. Cooperation and communication will be enhanced between the Principal Investigator and Kodiak area community facilitator, Paul Panamarioff. 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. As KIBSD resurrects 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. Highlights from Elder interviews will also be featured in the monthly KAYAW newsletter and the already established weekly Kodiak Daily Mirror feature developed by the Native Educators group, "Sugtestun Voice."

PROJECT DESIGN

A. Objectives

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

1. Communicate KAYAW activities to each site, local agencies, and tribal councils.
2. Identify all research and data collection activities.
3. Orient researchers on working with students.
4. Conduct research with the four projects with cooperating scientists.
5. Purchase additional monitoring and research equipment for expansion and maintenance of area-wide monitoring, as needed.
6. Complete site teacher training in cooperation with the Kodiak College, the Fisheries Industrial Technology Center, the National Marine Fisheries Service, and the Alaska Native Harbor Seal Commission regarding science monitoring, research, and traditional ecological knowledge.
7. Conduct school orientations for KAYAW students.
8. Maintain the Kodiak Archipelago Youth Area Watch web site to store data, provide information regarding all activities, and coordinate efforts of staff, students, researchers, and community members.
9. Involve KAYAW students, scientists and Elders in the annual Science Camp to be held in July and August of 2002.
10. Complete student project training with tribal council and site teacher.
11. Facilitate project follow-up training with site teachers.
12. Organize and host an annual 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.
13. Conduct interviews with Elders and community members with regards to developing a traditional and scientific inventory of the local ecosystems around each community.
14. Host scientific researchers to present findings, research, and their understandings of the Kodiak Archipelago to school and tribal communities.
15. Continue KAYAW efforts throughout the summer months when school is not in session.
16. Identify and develop individual and small group student research projects that are relevant to their community.

B. METHODS

The Kodiak Island Borough School District's Alutiiq Studies Coordinator will communicate directly with tribal councils throughout the island to ensure their meaningful involvement in the project. Researchers involved will sign agreements to ensure their follow-through to involve the youth in their projects.

Teri Schneider, Alutiiq Studies Coordinator and support staff of the Kodiak Island Borough School District will work cooperatively to plan the involvement and logistics of youth, tribal

councils and researchers fieldwork. Additionally, training will take place with all involved parties to ensure that this project will work for everyone.

We have selected methods to choose students based on academic standing, personal interest, and potential for improvement. Approximately 50 students will be participating in the third year of the project. While distribution varies according to interest and ability of students that apply, it is expected that the distribution will be as follows: 14 from Old Harbor, 14 from Ouzinkie, 2 from Larsen Bay and Karluk, 12 from Port Lions, 2 from Chiniak, 2 from Akhiok, and 4 from Kodiak. Fourteen of these students will be designated as interns. These students will be the primary ones to travel to special events and will be the ‘leaders’ of the projects. The rest of the students will participate to a lesser degree but will be actively involved in the local implementation of the projects. The communities with a large number of students participating have chosen to integrate the KAYAW Project into their science curriculum, allowing all high school and/or middle school students to participate in either all, or part of the projects.

Early in the school year, participating KAYAW teachers will congregate in Kodiak to conduct a two-day training on what the program will encompass. We will ask that researchers attend as well. Protocols from principal investigators and program details will be discussed. In addition to the site teachers, we will invite tribal council representatives.

All of the coordinating projects, field test PSP kit, algae testing, bio-sampling, and oceanographic monitoring will take place geographically close to the participant’s communities. It will be the responsibility of the site teacher and participants to determine field schedules. Harbor seal bio-sampling will require two training sessions and coordination with local seal harvesters. The oceanographic monitoring project will require coordinated efforts on contracted vessels and such. This will be negotiated between the individual licensed boat operators and KIBSD. Schedules will be determined when appropriate. Quarterly, students and support staff will congregate via audio-conference or in person in a chosen community to discuss progress, brainstorm ideas, and evaluate the program. Written reports describing the students’ activities and the progress of the program will be submitted to EVOS quarterly. Training will be on going and project objectives will be met.

Ongoing projects will include:

1. PSP Field Testing, 02482 – Jellet Biotech – Dr. Jellet and Dr. Roberts are selecting sites throughout the spill area to field test their PSP testing kit to be used in place of the existing mouse bioassay. Students in the program will continue to do beach monitoring to determine patterns, high-risk beaches, and precautions to consider when harvesting shellfish. Also, information collected may be used to develop local aquaculture programs that would supply jobs and boost the economy in the villages.
2. Harbor Seal Bio-sampling, 02245 – Alaska Native Harbor Seal Commission – KYAW will work with local harvesters involved in the program to bio-sample harbor seals caught for subsistence purposes. Mitch Simeonoff, Akhiok, will work with CRRC and the school district to train and involve students.

3. Algal PSP Testing – Dr. Gerry Plumley – University of Alaska Fairbanks – Dr. Plumley will train students in how to test algae in their area for algal PSP infection. This project will provide data to Dr. Plumley regarding where PSP originates.
4. Fisheries Industrial Technical Center and National Oceanographic and Atmospheric Administration - This will involve utilizing the monitoring kits we have acquired in establishing and continuing a long-term oceanographic monitoring program. Indicators to be monitored will include ocean temperature, salinity, alkalinity, tides, and other information as it pertains to the project.

In addition to these four core projects, students will work with their tribal council or local site teacher to identify a local research project to implement that is achievable. We will encourage the tribal councils to identify an area of TEK that may be of interest and integrate that with western science methods. TEK Specialist Henry Huntington will be called upon to assist in this effort.

The participation of the students in the annual Science Camp will be an additional component of this year's program. The annual Science Camp is an opportunity for students, teachers and community members from across the Island 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 that activities of the year and 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.

The development of a web site that will be integrated into the Kodiak Island Borough School District will be maintained, as well. The Kodiak School District's Technology staff will work with project staff to continue construction and maintenance of the site. The formation of this web site is seen as a necessary step to bring the program to a new level of communication, coordination, and information transfer. There will be links created between this site and each of the community's websites. The KAYAW website will continue to be a place to post oceanographic data, PSP and algae data and results, capelin and sandlance presence, and harbor seal bio-sample information, as well as appropriate TEK.

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 coordinators will be contracted to continue their work when school is not in session to guarantee the continuity of their monitoring and documenting efforts.

C. Cooperating Agencies, Contracts, and Other Agency Assistance

The Kodiak Island Borough School District will serve as the administering agency for this project. The KIBSD and the Chugach Regional Resources Commission have worked together in past years to begin the KAYAW. KIBSD, however, is confident that proposing directly to EVOS will help to streamline our efforts and alleviate communication challenges that have existed in previous years. KIBSD will work hard to coordinate and collaborate with tribal councils, site coordinators, researchers, and students on the successful implementation of the project.

Partnerships with the Fisheries Industrial Technology Center, the National Marine Fisheries Service, and the National Oceanographic and Atmospheric Administration will continue to perpetuate the marine mammal 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.

Henry Huntington will be contracted to consult with the KAYAW coordinator and provide training to KAYAW students and tribal councils in the skills needed to conduct TEK investigations.

Individuals with 6-pack licenses may be contracted to provide transportation to remote sites in the monitoring and documentation processes.

SCHEDULE

A. Measurable Project Tasks for FY 02 (October 1, 2001 - September 30, 2002)

| | |
|----------------------|---|
| October 15: | Confirm research and data collection activities |
| October 31: | Site teacher, tribal, and researcher orientation |
| October 31: | Monthly newsletter is developed and distributed |
| November 15: | Students selected and preliminary site research plan is developed |
| November 31: | Individual or small group projects submitted to regional science fair |
| December 15: | School site orientations |
| December 15: | Student orientation and training |
| May 15: | Regional workshop is conducted |
| May 15: | Summer plans for continued work by students and site coordinators are submitted to Principal Investigator |
| May 25: | Students and site coordinators for summer work to be completed sign Contracts |
| July 15 - August 15: | Students, site coordinators and researchers participate in Science Camp |

On-going activities will include:

| | |
|---------------------------|--|
| October 1 - September 30: | Students collect shellfish samples and conduct field-testing |
| October 1 - September 30: | Students analyze algae |

| | |
|---------------------------|---|
| October 1 - September 30: | Students conduct harbor seal bio-samples |
| October 1 - September 30: | Students conduct their local research project |

B. Project Milestones and Endpoints

| | |
|-------------------------|--|
| Ongoing: | Communicate KAYAW activities to each site, local participating agencies, and tribal councils. |
| October 1: | Identify all research and data collection activities. |
| Annually and as needed: | Orient researchers on working with students. |
| Ongoing: | Conduct research with the four projects. |
| Annually: | Purchase additional monitoring and research equipment for expansion of area-wide monitoring, as well as replacing consumable materials, such as test strips. |
| Biannually: | Complete site teacher training in cooperation with the Kodiak College, the Fisheries Industrial Technology Center, the National Marine Fisheries Service, and the Alaska Native Harbor Seal Commission regarding science monitoring, research, and traditional ecological knowledge. |
| Annually: | Conduct school orientations for KAYAW students. |
| Ongoing: | Maintain the Kodiak Archipelago Youth Area Watch web site to store data, provide information regarding all activities, and coordinate efforts of staff, students, researchers, and community members. |
| Annually: | Involve KAYAW students, local scientists and knowledgeable Elders in the annual Academy of Elders/Science Camp to be held annually in July and August. |
| Annually: | Conduct student project trainings with tribal council and site teacher. |
| Annually: | Facilitate project follow-up training with site teachers. |
| Annually: | Organize and host 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. |
| Biannually: | Conduct interviews with Elders and community members with regards to developing a traditional and scientific inventory of the local ecosystems around each community. |
| Ongoing: | Host scientific researchers to present findings, research, and their understandings of the Kodiak Archipelago to school and tribal communities. |

C. Completion Date

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

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.

PROFESSIONAL CONFERENCES

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.

NORMAL AGENCY MANAGEMENT

Not applicable.

COORDINATION AND INTEGRATION OF RESTORATION EFFORT

This project will work closely with the Community Involvement and GEM Planning Project (02052) and the Harbor Seal Biosampling Project (02245). If funded, this project will work closely with PSP Field Testing (02482).

EXPLANATION OF CHANGES IN CONTINUING PROJECTS

Many changes have been made in this DPD as compared to the previously funded DPD primarily in response to peer reviewer comments and lead agency suggestions. Reorganization of the KAYAW has been suggested to make it more efficient and effective. One full-time certified teacher would have one half of her duties specifically dedicated to the coordination and implementation of the project. The other half of this staff person's duties correlated well with the overall objectives and goals of KAYAW. The need for better island-wide communication will be met with a monthly newsletter that will be distributed through the region. Site coordinators and student participants will be contracted for their continued services through the summer months when school is not in session so that continuity of monitoring and communication will not be broken. The KAYAW students and adult participants will host an annual gathering focusing on TEK documentation and ecological assessments of each community of the Kodiak Archipelago. Publication and distribution of TEK documentation will be integrated into the KIBSD oral history magazine that is bi-annually distributed. Henry Huntington will continue his involvement as a TEK consultant, providing training for students and KAYAW tribes.

PROPOSED PRINCIPAL INVESTIGATOR

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PRINCIPAL INVESTIGATOR

Teri Schneider is the Alutiiq Studies Coordinator for the Kodiak Island Borough School District and the Aleut Regional Coordinator for the Alaska Rural Systemic Initiative. Teri has been in this position since 1997. She works closely with all KIBSD Native and rural educational programs and projects and many AKRSI statewide and regional educational projects with goals to integrate Native Ways of Knowing into the public school system. Teri, an Alaskan Certificated Educator, is a member and the advisor/coordinator of the Native Educators of the Alutiiq Region, a professional organization that works closely with the Alutiiq Elders Council to implement Native educational initiatives. She has experience in project development and administration, tribal relations, and managing budgets. Ms. Schneider will be responsible for all expenditures, contracts, and project management duties that are approved by KIBSD administrative staff.

OTHER KEY PERSONNEL

1. Katie Lyons, Administrative Assistant for KIBSD, will assist with logistical arrangements and communications.
2. Marie Barni, KIBSD Educational Support Services Administrator, will provide administrative oversight and guidance. She has extensive experience in developing and managing budgets.
3. Carla Lam, KIBSD part time Environmental Education Coordinator and Certificated Secondary Science Teacher will assist the Principal Investigator and site coordinators with student research and project design. Ms. Lam will also work to integrate aspects of the KAYAW research and procedures into the existing KIBSD science curriculum, which will eventually help to define how we “do” science education in our district.
4. Eric Waltenbaugh, KIBSD Itinerant Curriculum Specialist, will assist the Principal Investigator and site coordinators in the gathering reporting of TEK through his continued development of the oral history magazine, “Iluani.”
5. Teachers from each of the KAYAW sites will fill the role as site coordinators. They are actively involved in building KAYAW into the school’s curriculum while providing organization and communication for such activities in each of their communities.

FY 02 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 2001 - September 30, 2002

| Budget Category: | Authorized FY 2001 | Proposed FY 2002 | | | | | |
|-----------------------------|-----------------------|---------------------|---|--|--|--|--|
| Personnel | | \$0.0 | | | | | |
| Travel | | \$0.0 | | | | | |
| Contractual | | \$119.9 | | | | | |
| Commodities | | \$0.0 | | | | | |
| Equipment | | \$0.0 | LONG RANGE FUNDING REQUIREMENTS | | | | |
| Subtotal | \$0.0 | \$119.9 | Estimated FY 2003 | | | | |
| General Administration | | \$8.4 | | | | | |
| Project Total | \$0.0 | \$128.3 | \$53.9 | | | | |
| Full-time Equivalents (FTE) | | 0.5 | | | | | |
| Other Resources | | | Dollar amounts are shown in thousands of dollars. | | | | |
| Comments: | | | | | | | |

FY02

Project Number: 02610
Project Title: Kodiak Archipelago Youth Area Watch
Name: Kodiak Island Borough School District
Agency: ADF&G

Prepared:

FY 02 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 2001 - September 30, 2002

| Budget Category: | Authorized FY 2001 | Proposed FY 2002 | | | | | |
|--|-----------------------------|---------------------|--|-----------|--|--|--|
| Personnel | | \$33.9 | | | | | |
| | | \$49.6 | | | | | |
| | \$57.8 | \$31.0 | | | | | |
| | | \$1.0 | | | | | |
| | | \$4.4 | LONG RANGE FUNDING REQUIREMENTS | | | | |
| | Subtotal | \$57.8 | \$119.9 | Estimated | | | |
| | Indirect | \$4.0 | | FY 2003 | | | |
| | Project Total | \$61.8 | \$119.9 | \$53.9 | | | |
| | Full-time Equivalents (FTE) | | 0.5 | | | | |
| | Other Resources | | \$78.9 | \$78.9 | | | |
| Dollar amounts are shown in thousands of dollars. | | | | | | | |
| Comments: | | | | | | | |
| <p>*No indirect costs will be taken by the Kodiak Island Borough School District. Administrative oversight, secretarial support and general grants management will be absorbed as cost sharing contributions to this project. Total cost sharing contributions from KIBSD include 0.5 certified staff, facilities and utilities, miscellaneous commodities, site coordinator costs, additional costs for the coordination of the Science Camp, and expertise from the Native Educators organization and the Academy of Elders.</p> | | | | | | | |
| <p>*Costs for the Principal Investigator to attend the annual restoration workshop is estimated at \$700.00.</p> | | | | | | | |
| <p>*Reorganization of the KAYAW is necessary to make it more efficient and effective. One full-time certified teacher will have one half of her duties specifically dedicated to the coordination and implementation of the project. The other half of this staff person's duties correlated well with the overall objectives and goals of KAYAW. The need for better island-wide communication will be met with a monthly newsletter that will be distributed throughout the region. Site coordinators and student participants will be contracted for their continued services throughout the summer months when school is not in session so that continuity of monitoring and communication will not be broken. An annual gathering focusing on TEK documentation and ecological assessments of each community of the Kodiak Archipelago will be hosted by the KAYAW students and adult participants. Publication and distribution of TEK documentation will be integrated into</p> | | | | | | | |

FY02

Prepared:04-10-01

Project Number: 02610
 Project Title: Kodiak Archipelago Youth Area Watch
 Name: Kodiak Island Borough School District

FY 02 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 2001 - September 30, 2002

| Personnel Costs: | | | Months Budgeted | Monthly Costs | Overtime | |
|--|-------------------------|-----------------|--------------------|------------------|-------------------|--|
| Name | Position Description | | | | | |
| T. Schneider | KAYAW Coordinator (0.5) | | 12.0 | 2.7 | 1.5 | |
| Subtotal | | | 12.0 | 2.7 | 1.5 | |
| Personnel Total | | | | | | |
| Travel Costs: | | Ticket Price | Round Trips | Total Days | Daily Per Diem | |
| Description | | | | | | |
| T. Schneider, two roundtrips to each rural KAYAW site | | 0.1 | 14 | 28 | 0.2 | |
| Site coordinator and student travel to Kodiak for trainings | | 0.1 | 42 | 84 | 0.2 | |
| Student, site coordinator, researcher and Elder travel to science camp | | 0.1 | 20 | 7 | 0.2 | |
| Student, site coordinator, researcher and Elder travel to workshop | | 0.1 | 35 | 70 | 0.2 | |
| T. Schneider, one roundtrip to the Trustee Council's Annual Restoration Workshop | | 0.3 | 1 | 2 | 0.2 | |
| Travel Total | | | | | | |

FY02

Project Number: 02610
 Project Title: Kodiak Archipelago Youth Area Watch
 Name: Kodiak Island Borough School District

Prepared:04-10-01

FY 02 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 2001 - September 30, 2002

| Contractual Costs: | |
|--|--|
| Description | |
| Professional technical services from Huntington Consulting | |
| Vessel charters | |
| Printing of monthly newsletter | |
| Communications | |
| Professional technical services website development and maintenance | |
| Summer site coordinators | |
| Summer student participants | |
| Elder honorarium for workshop attendance | |
| Contractual Total | |
| Commodities Costs: | |
| Description | |
| Replacement of consumable water monitoring materials such as test strips, slides, etc. | |
| Audiotapes | |
| videotapes | |
| Commodities Total | |

FY02

Prepared:04-10-01

Project Number: 02610
Project Title: Kodiak Archipelago Youth Area Watch
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4 of 5

| New Equipment Purchases: | Number | Unit |
|--------------------------|--------|------|
|--------------------------|--------|------|

FY 02 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 2001 - September 30, 2002

| Description | of Units | Price |
|---|--------------------|----------------------------|
| Additional marine station monitoring kits for new KAYAW sites. Price estimate from previous purchase. | 3 | 1.0 |
| Additional seal bio-sampling kit for new KAYAW site. Price estimate from previous purchase. | 1 | 0.2 |
| Tape recorders with microphones. Price estimate from previous KIBSD purchase. | 3 | 0.1 |
| Digital camera. Price estimate from previous KIBSD purchase. | 3 | 0.3 |
| Those purchases associated with replacement equipment should be indicated by placement of an R. | | New Equipment Total |
| Existing Equipment Usage: | Number of Units | |
| Description | | |
| Marine station monitoring kits | 5 | |
| Seal bio-sampling kits | 7 | |
| Portable computer | 1 | |

FY02

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