

EVOS ANNUAL PROJECT REPORT

All recipients of funds from the *Exxon Valdez* Oil Spill Trustee Council must submit an annual project report in the following format by September 1 of each fiscal year for which project funding is received, with the exception of the final funding year in which a final report must be submitted. Satisfactory review of the annual report is necessary for continuation of multi-year projects. Failure to submit an annual report by September 1 of each year, or unsatisfactory review of an annual report, will result in withholding of additional project funds and may result in cancellation of the project or denial of funding for future projects.

PLEASE NOTE: Significant changes in a project's objectives, methods, schedule, or budget require submittal of a new proposal that will be subject to the standard process of proposal submittal, technical review, and Trustee Council approval.

Project Number: 050610

Project Title: Kodiak Archipelago Youth Area Watch

PI Name: Teresa (Teri) L. Schneider

Time Period Covered by Report: October 1, 2004 – August 31, 2005

Date of Report: September 1, 2005

1. Work Performed:

Initial site planning to create a yearlong plan began with a follow up to the 2004 Academy of Elders/Science Camp that took place throughout the fall season and included the following:

- PI travel to the communities of Ouzinkie and Akhiok for specific science project development among their students, community members and teachers
- Teacher in-service training to include "Village Science" and the development of placed based science projects
- Planning for the 2005 camp with the Native Village of Afognak and the members of the Native Educators of the Alutiiq Region

The *Salmonoid Education Project* continues to be developed and implemented in each site. The following tasks were performed and supported by the KAYAW project:

- Established licensing for each community
- Contacted each community's Tribal Council via letter requesting their participation and permission to complete the salmon education project in their community
- Egg-takes were performed in cooperation with ADF&G personnel from Juneau, Kodiak and Anchorage, community members and students in Larsen Bay, Port Lions and Old Harbor. Akhiok and Ouzinkie egg takes were unsuccessful, so those sites received eggs from ADF&G for incubation. Chiniak opted not to participate in project.
- Set up the aquarium in each participating site

- Followed through with the incubation process
- Completed dissections and fish prints while studying the internal and external aspects of the fish, including perspectives and language from Elders and local experts
- Presentations were made by Fritz Kraus and Craig Baer from ADF&G, Anchorage
- Students followed up throughout the incubation process [regular water exchanges, maintained tank temperature to parallel conditions to wild stock, documented the temperature units (TUs) daily and predicted egg development]
- A particular class in each of the schools took on the responsibility of maintaining the equipment while taking care of the eggs
- Several teachers took the three, 1-credit classes that supported their involvement (egg take, incubation, release)
- Students released fish back into the wild at their original location
- Students from Port Lions and Old Harbor participated in the Kodiak Community “Coho Carnival”
- Planning to pilot this in one of the rural sites next spring
- Photos may be viewed at the following website:
<http://kodiakstudents.koc.alaska.edu/vision/coho/powerpoint.html>

The Rural Regional Science Fair took place in the village of Ouzinkie, January 21-23, 2005. Twenty seven projects were chosen to participate from Ouzinkie (six), Chiniak (six), Old Harbor (five), Port Lions (six), Akhiok (two) and Larsen Bay (one) after project review from their communities. Also participating were science judges, Robbie Townsend Vennel with the Native Educators of the Alutiiq Region, and Suzanne Schmidt from the Alaska Department of Fish and Game. Elder judges were Dennis Knagin and Angeline Campfield. Some of the placed based science projects shared included the following:

- Structure of the qayaq
- Structure of the Alutiiq Ciqllauq
- Water, salt and conductivity
- Tectonic plate movement
- Oily ocean
- Smoked salmon Alutiiq style
- Algae blooms: The silent killer
- Future colors from past ideas
- Pulley power
- Structural analysis of boat hulls
- Sink or float?
- Highbush cranberry tea
- Insulation values of Native American homes

Each student is required to show how their project or study is relevant to the culture and/or environment of our island community, thus much of what is shared is highly interesting to the visiting community and full of information of local use. Projects include background information gathered from local Elders and experts.

The three-day event included further student training on the scientific method and traditional science used by Elders.

Three projects involving five students earned the opportunity to compete in the next level of competition at the Alaska Native Science and Engineering Society's Science Fair held in Anchorage, February 2005 and hosted by the Imaginarium.

Archaeological site surveys, preservation and maintenance projects have been performed by the Alutiiq Museum and Archaeological Repository staff in the communities of Chiniak, Old Harbor, Larsen Bay, Akhiok, Ouzinkie, Kodiak and Port Lions throughout the late winter and early spring of 2005. Students learned of traditional harvest techniques for wood and the skills needed and purposes for traditional games; namely, preparing for and building skills to perform subsistence activities.

Some harbor seal and sea lion bio-samples were sent directly from Akhiok and Old Harbor to Vickie Vanek throughout the year though no records were sent to the coordinator.

Students reported sea mammal sightings during Whale Fest in April and submitted those directly to the Whale Fest coordinators.

The *Iluani* oral history magazine was published in May. Though it has not been completely funded by KAYAW, some of the work leading up to the re-establishment of the oral history magazine has been influenced by KAYAW projects and the idea of a publication for place-based, culturally and environmentally relevant writing. KAYAW has assisted in sponsoring experts to take part in past work shops which included TEK training that is still being used today. KAYAW also has assisted in the printing and distribution of the magazine. This year's publication includes, but is not limited to, the following:

- "Younger Years: Growing up in Ouzinkie"
- "John Nelson, Sr." (a short biography of a Port Lion's Elder)
- "It's a Lifestyle Choice, Not a Job" (Interview with lifelong Port Lion's fisherman, Fuzzy Nelson)
- "You Make the Most of What You Do" (Interview with retired Coast Guard Commander)
- "The Unforgiving Sea Takes a Giving Man" (Remembering local fishing legend, Jack Christiansen)
- "The Kodiak Launch Complex Impact on the Island"
- "It's a Good Clean Life: George Inga, Sr.'s experiences at the military base on the island of Adak during WWII"
- "Native Science" (Reflections by Port Lion's resident, Melvin Squartsoff)
- "Search and Rescue Team" (Understanding Coast Guard activity around the island)
- "The Fishing and Hunting Guide of Old Harbor" (An interview with Jeff Peterson)
- "Memories of Kodiak: A Story About Patricia Valen's Years in Kodiak"
- "A Lifetime of Amazing Stories" (An interview with lifelong resident and fisherman, Donny Muller)

Four archaeological interns were hired through KAYAW to work with Museum staff during the 2005 Community Archaeology Project in July and August. Three of the four students earned ½ high school credit while working, completing a daily journal, readings and a final report.

The Academy of Elders/ Science Camp took place this summer, June 20-June 24 and included Elders, scientists and teachers. The primary focus of study during this week was the identification, use and harvest of medicinal and edible plants. By the end of the week every person took part in the production of a medicinal salve and a salad for the meals throughout the week. The curriculum used during this particular camp was that developed by members of the Native Educators of the Alutiiq Region.

2. Future Work:

Staff continues to explore research and project opportunities for students. The coordinator hopes to complete site plans with each school to develop an area of concentration or theme of study at the local level, perhaps building on projects already taking place at the community or tribal level.

More work is being done to align KAYAW activities with the local Rural School's Integrated Science Curriculum that is in use for the fourth year. With the state adding science to the Benchmark Exams and High School Qualifying Exam in 2006-07, staff will continue to re-align KAYAW activities/projects with the soon-to-be revised State Science Content Standards, Grade Level Equivalencies and the local district's curriculum to be reviewed in 05-06. The KAYAW coordinator will take part in the District's science review committee to ensure that place based education continues to be a focus through its science education opportunities.

KAYAW site plans are currently being developed now for the 2005-06 academic year. At this point, these include the continued effort to incubate local salmon species throughout the winter, development of individual and group science projects, watershed monitoring and mapping, harvesting salmon and processing to contribute to local Elders, continued gathering of traditional ecological knowledge with publication in the Iluani magazine, sharing, teaching and practice of traditional cultural knowledge through the Alutiiq Museum's outreach.

3. Coordination/Collaboration:

Coordination and collaboration continues to be extensive with the Alutiiq Museum and Archaeological Repository and the School District through the development of the summer intern employment, village outreach, and with the Museum being the final storing place for all oral histories gathered, as well as photos and other objects. Students continue to present locally to Tribal Councils and post information in public places for community members to read. Outreach to Elders and local experts comes in the form of interviews for the oral history magazine, inclusion as judges in science fairs, participation in science camp, etc. The Native Village of Afognak and the District continue to collaborate in the development and continuation of the Academy of Elders/Science Camp and curriculum development. Coordination efforts for student projects and site studies continue through the efforts of the Alaska Department of Fish

and Game, the National Marine Fisheries, the community of Old Harbor, and the Woody Island Tribal Council.

4. Community Involvement/TEK & Resource Management Applications:

Students submitting projects to the Rural Regional Science Fair must show evidence of consulting with local TEK experts and/or Elders regarding their topic of study. Students must acknowledge the individual's contributions in their work. The oral history magazine continues to use guidelines developed, in part, during the TEK workshop with Huntington Consulting three years ago and the Guidelines for Respecting Indigenous Knowledge developed by Native educators throughout Alaska. All original interviews and photos from the Iuani project will be housed at the Alutiiq Museum and made accessible to future researchers. Tribal Councils were involved in the Salmonoid Education Project from the beginning.

5. Information Transfer:

- GLOBE postings have been made throughout the academic year, primarily from Kodiak City, Old Harbor and Ouzinkie.
- Project Website design is still in process and can be viewed on the KIBSD website (<http://www.kodiak.k12.ak.us/ruraloff/default.htm>) and at <http://kodiakstudents.koc.alaska.edu/vision/coho/powerpoint.html>
- Rural School's Students. (2005). *Iuani*

6. Budget:

No major differences or problems occurred between actual and budgeted expenditures.

Report Prepared By: Teresa L. Schneider

Project Web Site Address: <http://www.kodiak.k12.ak.us/ruraloff/default.htm>