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Project No: _____

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GEM PROPOSAL SUMMARY PAGE

(To be filled in by proposer)

Project Title: Update of the Status of Subsistence Uses in *Exxon Valdez* oil spill area communities

Project Period: Federal fiscal years FFY04 and FFY05

Proposer(s): James A. Fall and Robert Walker, Alaska Department of Fish and Game
Patty Brown Schwalenberg, Chugach Regional Resources Commission
Valerie Pillans, Kodiak Area Native Association
Ralph Andersen, Bristol Bay Native Association

Study Location: Prince William Sound, Kodiak, Kenai Peninsula, and Alaska Peninsula

Abstract:

The project will provide information for an update of the status of subsistence uses in the *Exxon Valdez* oil spill area. Subsistence uses are a vital natural resource service that was injured by the spill and has not recovered. The project will be a partnership between the Alaska Department of Fish and Game, the Chugach Regional Resources Commission, the Kodiak Area Native Association, and the Bristol Bay Native Association. In early 2004 local research assistants and department researchers will interview face-to-face approximately 760 households in 14 communities about their subsistence activities in 2003. The questionnaire will be similar to that used in previous rounds of interviews. A planning workshop and data review workshop will be held involving study community representatives. A database with study findings and a final report will be produced. Training of local researchers and capacity building are key goals of the project.

Funding:	EVOS Funding Requested:	FY 04	\$ 298.7	TOTAL:324.3
		FY 05	\$ 25.6	
		FY 06	\$	
Non-EVOS Funds to be Used:		FY 04	\$ 46.3	TOTAL: 63.4
		FY 05	\$ 17.1	
		FY 06	\$	

Date: June 16, 2003

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GEM RESEARCH PLAN: UPDATE OF THE STATUS OF SUBSISTENCE USES IN EXXON VALDEZ OIL SPILL AREA COMMUNITIES

I. NEED FOR THE PROJECT

A. Statement of Problem

Subsistence uses are a vital natural resource service that was injured by the *Exxon Valdez* Oil Spill (EVOS) of March 1989 (Fall 1999a, Fall 1999b, EVOSTC 2002b:27). In the year following the spill, subsistence harvests declined, the diversity of uses of wild foods shrank, participation in subsistence activities dropped, traditional sharing was curtailed, and transmission of essential skills and values to young people was disrupted. Subsistence users reported that they harvested and used less wild foods because of concerns about eating oil-contaminated resources and because of post-spill declines in resource populations. In subsequent years, subsistence harvests, sharing, and involvement in subsistence activities rebounded, although the extent of recovery varied by household, community, and subregion (Fig.1; Fall and Utermohle 1999:34). In some cases local community residents resumed their subsistence uses, despite misgivings about food safety, for cultural and economic reasons. Others reported increased costs for subsistence activities due to resource scarcity (Fall and Field 1996; Fall and Utermohle 1995; Fall and Utermohle 1999; Fall et al. 2001). In 1998 (when the last update occurred), two-thirds of respondents stated that the traditional way of life of their communities had not recovered from the effects of the spill (Fig. 2; Fall and Utermohle 1999:93-95).

The restoration plan adopted by the EVOS Trustee Council (EVOSTC) and updated in August 2002 (EVOS TC 2002b:27). lists subsistence as an injured natural resource service that has not yet recovered. The plan defines the following restoration objective for subsistence:

Subsistence will have recovered when injured resources used for subsistence are healthy and productive and exist at prespill levels. In addition, there is recognition that people must be confident that the resources are safe to eat and that the cultural values provided by gathering, preparing, and sharing food need to be reintegrated into community life.

This proposal responds to EVOS Trustee Council's invitation for submission of a proposal for its Gulf of Alaska Ecosystem Monitoring and Research Program [GEM] for FFY04 to "evaluate the status of subsistence uses by collecting, analyzing, and reporting information about current subsistence uses in a subset of oil spill area communities using methodology that is comparable to previous research efforts." Further, the invitation stipulates that the project "should be a collaborative effort in which the study communities are partners in each phase of the study" (page 8).

B. Relevance to GEM Program Goals and Scientific Priorities

No comprehensive household survey research has taken place since 1998 to assess the status of subsistence uses in the spill area communities (as EVOS Restoration Project No. 99471 (Fall and Utermohle 1999)). Presently, the Trustee Council proposes to update its evaluation of

Figure 1. Estimated Subsistence Harvests in the EVOS Region in Pounds Usable Weight per Person by Year and Subregion

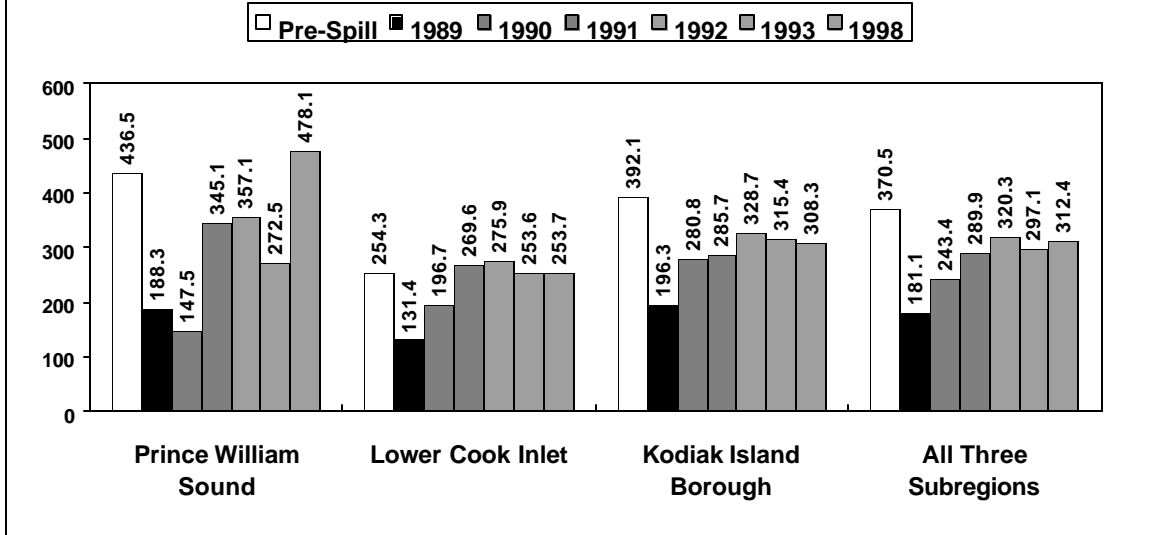
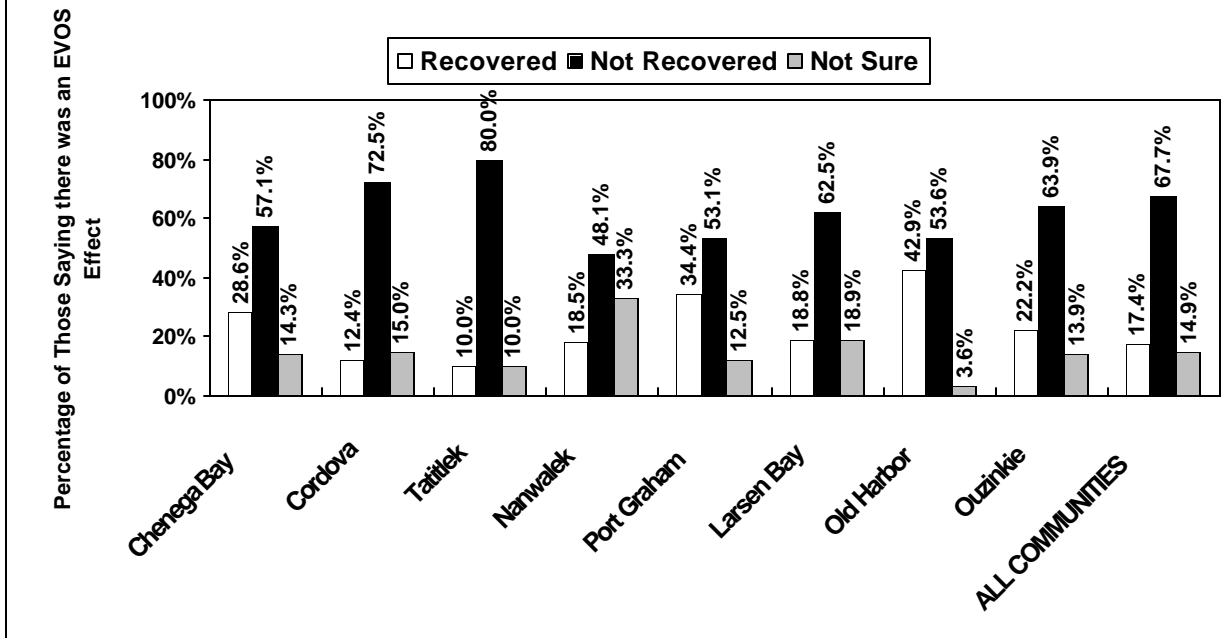


Figure 2. Has the Traditional Way of Life Recovered Since the Exxon Valdez Oil Spill? (asked in 1998)



subsistence as an injured service. This project is designed to provide information necessary for this evaluation.

Additionally, this project will be a collaborative effort between the Division of Subsistence of the Alaska Department of Fish and Game, the Chugach Regional Resources Commission [CRRC], the Kodiak Area Native Association (KANA), the Bristol Bay Native Association (BBNA), and the proposed study communities. Training local researchers in survey administration and data entry and review is a key project goal. The study communities will be involved in each phase of the research, from planning to fieldwork, data processing and review, and report preparation. The mission of GEM is to sustain a healthy and biologically diverse marine ecosystem in the northern Gulf of Alaska and the human use of resources in that ecosystem through greater understanding of how its productivity is influenced by natural changes and human activities. Fulfilling the mission requires the involvement of those who use and most depend upon the Gulf ecosystem, and of those people the subsistence users are key. In reviewing the developing plans for GEM, a National Research Council committee identified community involvement as a priority, recommending that GEM “build meaningful community involvement at all stages of planning and implementation” (National Research Council 2002:80).

From 1995-2001, the Trustee Council has provided funding to Chugach Regional Resources Commission (CRRC) to hire a community facilitator in each of ten spill area communities as well as a region-wide community involvement coordinator. In 1999, the Council announced its intent to initiate a program of long-term monitoring and research in the northern Gulf of Alaska. The GEM program plans to promote local stewardship by involving stakeholders and having them help, plan, guide, and carry out parts of the GEM program (EVOSTC 2002a). In 2002, CRRC proposed replacing the position of Community Involvement Coordinator with a Tribal Natural Resource Program Planner. The project shifted from strictly community involvement to the broader goal of integration of Tribal Natural Resource Programs with the GEM program. The long-term goal of the CRRC project is to promote local stewardship by building the capabilities of spill area communities through planning and training.

First drafts of Tribal Natural Resource Plans were completed in FY02 for Tatitlek, Nanwalek, and Port Graham. The next step is to create Action Plans that will focus on direction needed to implement the objectives found in the Plans and to identify monitoring or research projects compatible with the GEM program. In the past year CRRC has conducted a “WisdomKeeper Series” in two communities to share scientific findings and traditional knowledge to promote community involvement in the GEM program. Long term goals propose to support initiation of a training curriculum to further develop tribal technical capacity to conduct research and monitoring projects under the GEM program so that throughout the life of GEM, tribes can be true stewards of their traditional use areas.

II. PROJECT DESIGN

A. Goals and Objectives

The goal of the research is two-fold:

1. Collect, analyze, and report information about current subsistence uses in a subset of oil spill area communities that is comparable with previous research results and that can be used to evaluate the status of subsistence uses in light of the EVOSTC recovery objective; and
2. Conduct the research as a collaborative effort in which the study communities are partners with the Division of Subsistence in each phase of the study.

The two goals will be addressed through six objectives, as follows:

Objective One: Collaboratively Develop the Survey Instrument

During a study planning workshop that involves representatives of each study community plus ADF&G, CRRC, KANA, BBNA, and EVOS TC staff, previous research findings will be reviewed along with the survey instrument used in the last round of research. The instrument will be revised based on input during the workshop (see below).

Objective Two: Hire and Train Local Research Assistants

Through subcontracts with the Chugach Regional Resources Commission (CRRC), the Kodiak Area Native Association (KANA), and the Bristol Bay Native Association (BBNA), local residents will be hired and trained to conduct interviews using the survey instrument.

Objective Three: Collect Information on Current Subsistence Activities and Assessments of the Status of Subsistence Uses and Resources through Systematic Household Surveys

The following is a preliminary list of the kinds of information that will be collected during the household surveys. (This list matches the information collected during the last round of household surveys in 1998.) This list will be reviewed during the project planning workshop (see Objective One, and below). At that time, additional topics for the research may be identified, and topics that are no longer relevant or useful will be eliminated. The following information will be collected for a 12-month study year (calendar year 2003) for each interviewed household in each study community.

1. Subsistence Harvest and Use Information
 - a. Percentage of households using, attempting to harvest, harvesting, receiving, and giving away each wild resource
 - b. Harvest quantities in numbers of animals, buckets, gallons, or other appropriate units
 - c. Households' assessments of uses and harvests in 2003 compared to pre-spill years
 - d. Relative harvest effort
 - e. Changes in harvest location

- f. Uses of resources in community celebrations and other events
 - g. Individual involvement in subsistence activities, including the involvement of children
 - h. Evaluations of food safety and resource availability
 - i. Other objectives as developed in the research planning workshop (see below)
2. Demographic Information, including, for each household member, age, sex, ethnicity, birthplace, and length of residency in the community
 3. Employment and cash income, which may include such information as jobs held by household members, occupational type, employer type, earned cash income, and other income, as well as household expenses for food.
 4. Information about qualitative aspects of subsistence uses that will illustrate how well subsistence is being integrated back into community life. Possible approaches to these topics will be developed at the project planning workshop.
 5. Household's comments and concerns: open ended responses

Objective Four: Data Entry and Analysis

Collaboratively enter data and analyze survey results. This may involve training local surveyors in aspects of data management and entry.

Objective Five: Data Review Workshop

Collaboratively review the study results and develop study findings and conclusions during a post--fieldwork workshop.

Objective Six: Prepare Final Report and Make Findings Available

B. Procedural and Scientific Methods

The study will be conducted in a manner similar to that of the last round of comprehensive household interviews in EVOS communities, conducted by ADF&G Division of Subsistence and CRRC in 1998 as EVOS Restoration Project No. 99471 (Fall and Utermohle 1999). That study followed procedures established in previous round of household interviews and used by the Division throughout the state (Fall 1990).

Study Communities

Proposed study communities include Chenega Bay, Tatitlek, and Cordova in Prince William Sound; Nanwalek and Port Graham in lower Cook Inlet; Akhiok, Karluk, Larsen Bay, Old Harbor, Ouzinkie, Port Lions in the Kodiak Island Borough; and Chignik, Chignik Lagoon,

Chignik Lake, and Perryville on the Alaska Peninsula.¹ With the exception of Cordova, these are relatively small, predominately Alaska Native communities. Cordova is a mid-sized community with a substantial Alaska Native minority. All the communities have important subsistence sectors to their local economies and all were affected by the oil spill. See Table 1 for estimated community populations. Time and budget constraints will prohibit including other rural communities in the spill area, such as Seldovia, Kodiak city, and the population along the Kodiak Island road system.

Sample Objectives

In all but Cordova, the largest community, the goal will be to interview a knowledgeable representative of every resident household. The sampling design in Cordova will be a stratified random sample goal of 150 households. 100 households will be surveyed from the general population (excluding the Eyak Tribal Council's list) and 50 households will be surveyed at random from the list of Alaska Native households maintained by the Eyak Tribal Council, for a total goal of 150 completed interviews. If all sample goals are met, it is estimated that approximately 762 completed interviews will be conducted in total (Table 1). (For budgeting purposes, based on past research we anticipate a 90 percent participation rate, about 701 interviews.)

Personnel

The Division of Subsistence of the Alaska Department of Fish and Game will be the lead agency on the project. The Division has been responsible for most past systematic household surveys regarding subsistence harvests and uses in the proposed study communities. James Fall, regional program manager in Anchorage, will be the overall project manager. Robert Walker, head of the Division's information management section, will be responsible for data management and quality control. Subsistence Resource Specialists (SRS) who will train local researchers, conduct interviews, assist with data analysis, and write sections of the final report will include Ronald Stanek, William Simeone, Brian Davis, Liz Williams, Lisa Scarbrough, Davin Holen, and Ted Krieg.

Cooperative agreements with project partners CRRC, KANA, and BBNA will support the community involvement goals of the project. Patty Brown-Schwalenberg, CRRC executive director, will be responsible for overall administration of this agreement for CRRC. For BBNA, natural resources director Ralph Andersen will oversee the project. The project coordinator for KANA will be Valerie Pillans. For CRRC, KANA, and BBNA, responsibilities will include participating in the research planning workshop, hiring local researchers, participating in the study findings review workshop, and helping to prepare and review the final report.

¹ A fifth Alaska Peninsula community, Ivanof Bay, had no year-round residents when this design was prepared. If families move back to the community before fieldwork begins, we will make accommodations to include them in the survey.

Table 1. Population of Study Communities and Target Samples

Community	2000 Population		AK Native Population		Sample Goals		
	People	Occupied HHs	Number	Percent of Total	Type of Sample	Target HHs	Percent
Prince William Sound	2,647	1,018	526	19.9%		210	20.6%
Chenega Bay	86	22	67	77.9%	Census	22	100.0%
Cordova	2,454	958	368	15.0%	Stratified Random	150	15.7%
Tatitlek	107	38	91	85.0%	Census	38	100.0%
Lower Cook Inlet	348	115	316	90.8%		115	100.0%
Nanwalek	177	45	165	93.2%	Census	45	100.0%
Port Graham	171	70	151	88.3%	Census	70	100.0%
Kodiak Island	940	302	755	80.3%		302	100.0%
Akhiok	80	25	75	93.8%	Census	25	100.0%
Karluk	27	9	26	96.3%	Census	9	100.0%
Larsen Bay	115	26	91	79.1%	Census	26	100.0%
Old Harbor	237	79	203	85.7%	Census	79	100.0%
Ouzinkie	225	74	197	87.6%	Census	74	100.0%
Port Lions	256	89	163	63.7%	Census	89	100.0%
Alaska Peninsula	434	135	365	84.1%		135	100.0%
Chignik	79	29	48	60.8%	Census	29	100.0%
Chignik Lagoon	103	33	85	82.5%	Census	33	100.0%
Chignik Lake	145	40	127	87.6%	Census	40	100.0%
Perryville	107	33	105	98.1%	Census	33	100.0%
Totals	4,369	1,570	1,962	44.9%		762	48.5%

Guiding Ethical Principles

Four basic ethical principles will guide the research. These are: 1) review and approval of the research plans by community governments prior to fieldwork; 2) informed consent by household members selected for interviewing (participation in the research will be voluntary); 3) individual and household-level responses will be confidential; and 4) study results will be reviewed by and shared with the study communities. These principles are consistent with the protocols adopted by the Trustee Council for the collection of traditional knowledge (TEK) (EVOS TC 1996) and with research guidelines adopted by the Alaska Federation of Natives (see Miraglia 1998, Appendix A). BBNA has also adopted a similar set of guidelines for research that will be followed in this study (BBNA n.d.).

Tribal Resolutions

As soon as funding for the project is approved by the Trustee Council, CRRC, KANA, and BBNA will request resolutions from each tribal government in the study communities in support of the project. Research will not take place in any community absent a supporting resolution.

Study Planning Workshop

In late November 2003, the research collaborators will meet with representatives of each study community for a two-day workshop. This will also be the primary opportunity for representatives of other Trustee agencies to participate in the study design. The specific purposes of this workshop will include:

1. Review previous research methods and findings
2. Listen to community concerns and issues related to current status of subsistence uses
3. Refine research objectives
4. Explore methods to address identified objectives and data needs through the household survey

For the agenda of the study planning workshop conducted in 1998 prior to the last round of household surveys in EVOS area communities, see Appendix A in Fall and Utermohle 1999. This will be the model for the planning workshop for this proposed project.

Following the workshop, a small committee consisting of personnel from the four collaborators will meet to finalize the survey instrument based upon the workshop recommendations.

Survey Instrument

The survey instrument will be modeled after those administered by the Division of Subsistence during previous rounds of research in the study communities. [See Appendix B in Fall and Utermohle 1999 for a sample survey instrument administered in the last round of household interviews in EVOS area communities.] Key sections on demography, resource harvests and uses, and evaluation of current subsistence uses and resource status will not be modified significantly in order to maintain comparability with this previous research. Additional questions will be formulated to address study objectives identified at the planning workshop that are not covered in the standard instrument. Consideration will be given to a separate page for each study community that addresses issues of particular concern for that community.

The survey instrument is not designed for self-administration. Rather, a researcher (either a Division of Subsistence SRS or a local researcher) will administer the survey in face-to-face interviews in the study communities. For the survey administered in 1998, the average length of the interviews was 1.12 hours (67 minutes) (Fall and Utermohle 1999:16-17). This is longer than most surveys administered by the Division of Subsistence due to the addition of evaluation questions and questions with open-ended responses. Despite the length of the interviews in 1998 and the personal nature of many questions, the study encountered a modest refusal rate of 13.9 percent (Fall and Utermohle 1999:13-16). We expect a similar high level of participation in this study (approximately 90 percent of permanent households) due to the collaborative design, the use of both local researchers and Division of Subsistence SRSs, and the strong support evidenced in the past by the study communities for documentation of subsistence uses.

Fieldwork

Fieldwork will take place from mid-January through February 2004. One or two Division of Subsistence personnel will travel to each community. They will meet with the community governing bodies if requested. They will then conduct a training session with the local researcher or researchers hired by CRRC, KANA, and BBNA. A detailed training manual, developed during previous rounds of surveys in these communities, will guide the training. In every community except Cordova, the researchers will develop a list of all community households. The SRS will then conduct several interviews with the local researcher present to demonstrate the procedures. Next, the local researchers will conduct a few interviews on their own. These completed forms will be thoroughly reviewed by the SRS, who will then review any corrections with the local researcher. Then, the remaining interviews will be completed. It is anticipated that local assistants will complete up to about two-thirds of the interviews themselves. The SRS will remain in the community until substantial progress is achieved.

In Cordova, a Division of Subsistence SRS will travel to consult with city officials prior to the fieldwork to update maps of the community. A random sample will be drawn from lists of dwellings keyed to these maps. Additionally, a sample of households from the roles of the Eyak Tribe will be drawn. Because of the large number of interviews to be conducted in Cordova, two SRSs, two seasonal ADF&G employees who live in Cordova, and three local researchers hired by CRRC will work as a team until the interview goal is reached.

C. Data Analysis and Statistical Methods

Coding, Data Entry, and Preliminary Review. All data will be coded for data entry by Division of Subsistence staff in Anchorage and Dillingham. Responses will be coded following standardized codebook conventions used by Division of Subsistence to facilitate data entry. A data collection supervisor will review coded forms prior to data entry. Staff within the Information Management Section will set up database structures within an MS SQL Server at ADF&G in Anchorage to hold the survey data. The database structures will include rules, constraints, and referential integrity to insure that data are entered completely and accurately. Data entry screens will be available on a secure internet site. Daily incremental backups of the database will occur, and transaction logs will be backed up hourly. Full backups of the database will occur twice weekly. This ensures that no more than one hour of data entry will be lost in the unlikely event of a catastrophic failure.

All data will be entered twice, and compared programmatically for inconsistent data entry. Double data entry ensures more accurate transfer of information from the coded survey forms into the database, and is a standard practice with data processing for the Division of Subsistence. Data will not pass to the processing phase until inconsistencies between the twice-entered data set are eliminated.

To facilitate their use for data correction and editing, household survey forms will be electronically scanned. Forms will not have household name information, but will be numbered so that they can be matched to the information that is entered.

Once data have been entered and confirmed through double data entry, information will be processed with the use of the Statistical Package for the Social Sciences (SPSS) Version 11.5. Initial processing includes the performance of standardized logic checks of the data. Logic checks are often needed in complex data sets where rules, constraints, and referential integrity do not capture all of the possible inconsistencies that may appear.

SPSS will also be used for analyzing the survey information. Analysis can include review of raw data frequencies, cross tabulations, complex table generation, estimation of population parameters, and calculation of confidence intervals for the estimates, assuming a sufficient sample size which would result in normality for estimated population parameters and using a finite population correction factor. Missing information will be dealt with situationally. The Division of Subsistence has standardized practices for dealing with missing information, such as minimal value substitution or use of an average response for similarly characterized households. Typically, missing data are an uncommon, randomly occurring phenomenon in household surveys conducted by the division. In unusual cases where a substantial amount of survey information is missing, the household survey is treated as a “non-response” and not included in community estimates. Whatever approach is used will be documented. Analysis can be done efficiently by adopting existing SPSS code used with other community household survey data sets collected by the division. Results will be sent to each local researcher for review and confirmation.

Data Entry and Tribal Training. One or two local research assistants per region (up to six total) will be offered the opportunity to work with ADF&G staff in Anchorage to learn the procedures for data entry. Hands on training will be provided by ADF&G. It is anticipated that a secure internet site will be established to allow for remote data entry. Consistent with double data entry procedures, all survey data entered by local assistant trainees will also be entered by experienced ADF&G staff. The two data sets will be compared for inconsistencies and errors corrected prior to data analysis.

Data Review Workshop. Following the initial round of data review and cleaning, project personnel, including one local researcher from each study community, will participate in a two-day workshop in Anchorage in late September 2004 to review the study findings and develop a set of preliminary conclusions. These will guide the content and organization of the final report. (For the agenda of the data review workshop conducted after the round of household interviews in 1998, see Appendix D in Fall and Utermohle 1999.)

D. Description of Study Area

The proposed project will document subsistence activities in most of the area affected by the *Exxon Valdez* oil spill and addressed by the GEM program, including Prince William Sound, lower Cook Inlet, the Kodiak Island Borough, and a portion of the Alaska Peninsula. See Table 1 for a list of proposed study communities and their population sizes in 2000. For descriptions of the study communities and their patterns of subsistence uses (including in most cases maps of subsistence harvest areas), see Stratton 1989 and Stratton 1992 for Cordova; Stratton 1990 and Fall et al. 1996 for Tatitlek; Stratton and Chisum 1986 and Fall et al. 1996 for Chenega Bay; Stanek 1985 for Nanwalek and Port Graham; KANA 1983 and Mishler 2001 for the Kodiak

Island Borough; and Morris 1987 and Fall et al. 1995 for the Alaska Peninsula communities. For descriptions and analysis of post-EVOS subsistence activities specifically, see Fall and Utermohle 1995, Fall and Utermohle 1999, and Fall et al. 2001.

E. Coordination and Collaboration with Other Efforts

Tribal Natural Resource Programs

The *Exxon Valdez* oil spill, and the threat it posed to the local marine environment, demonstrated to the villages in the spill area just how vulnerable and threatened their traditional subsistence use areas are. In response, several villages in the Prince William Sound and lower Cook Inlet areas have been making an effort to become more involved in the management of the fish and wildlife resources of their traditional use areas. The villages have begun an effort to develop Tribal Natural Resource Management Plans that will be the foundation for natural resource management programs. Key to a natural resource program is the training of tribal members in natural resource management philosophies and techniques. CRRC has begun development of a formal Natural Resource Technician training and certification program. The first phase concentrates on teaching data collection planning and design, survey and sampling techniques, and data compilation and storage. The second phase will focus on quality assurance and quality control of data, geographic information systems, and current issues in the state's natural resources.

The training and survey experience provided to villagers under this proposed project fit into the overall goals for development of Tribal Natural Resource Management Programs. Fieldwork is often the focus of collaborative efforts in research and monitoring. Frequently, community involvement ends when locally produced data are entered into a central database, and further interpretation is left to professional researchers. Going further offers two distinct benefits: first, the greater intellectual engagement of community members will increase their interest and what they are able to contribute, and second, community members will be better able to participate in management and stewardship. Extending collaboration towards project design and towards analysis and interpretation will increase the ability of community members to contribute their knowledge and skills.

Other ADF&G Harvest Assessment Programs

The Division of Subsistence conducts several annual harvest assessment programs in most of the study communities that focus on particular subsistence resources or sets of resources. These include salmon (Cook Inlet and Chignik area communities), and harbor seals and sea lions (all the proposed study communities). In addition, the Division is implementing a new harvest assessment program for halibut under a contract with the National Marine Fisheries Service, and there is a possibility that a program for subsistence waterfowl will be developed over the next year as well. In order to avoid duplication of effort and minimize respondent burden, data collection efforts for these programs will be coordinated with the household surveys for this proposed project. For example, the harbor seal and sea lion project collects harvest estimates through household interviews each January and February. The survey questions pertaining to these marine mammals will be embedded in the survey instrument for this proposed project. A

similar procedure will be used for halibut. Funding from these ongoing programs will contribute to the fieldwork and data analysis components of this proposed project. Consequently, a larger sample size is achievable than would be the case given the budget guidelines for funding this subsistence update under the GEM program.

III. SCHEDULE

A. Project Milestones

Objective One: Collaboratively Develop Survey Instrument

To be met by December 31, 2003, following planning workshop and work of the survey instrument drafting committee

Objective Two: Hire and Train Local Research Assistants

Hiring to be done by mid November 2003 prior to planning workshop.
Training occurs at the workshop and in the field in January 2004

Objective Three: Collect Information on Current Subsistence Activities and Assessments of the Status of Subsistence Uses and Resources through Systematic Household Surveys

To be met by February 29, 2004 through systematic household surveys

Objective Four: Data Entry and Analysis

Training of local assistants in data entry to occur in March 2004
Data entry to be completed by June 30, 2004
Analysis of data for review completed by August 31, 2004

Objective Five: Data Review Workshop

Workshop takes place in late September 2004

Objective Six: Prepare Final Report and Make Findings Available

Draft Final Report ready for review by December 31, 2004
Present preliminary findings at GEM workshop, January 2005
Submit draft final report to Trustee Council, April 15, 2005
Mail overview of study findings to households and communities, April 15, 2005

B. Measurable Project Tasks

FY04, 1st Quarter (October 1, 2003 – December 31, 2003)

Mid-October 2003	EVOS TC approval and notification Obtain tribal resolutions
November 18 & 19, 2003	Project Planning Workshop, Anchorage
December 15	Finalize survey instrument

FY04, 2nd Quarter (January 1, 2004 – March 31, 2004)

January 15 – February 29, 2004	Fieldwork
March 2004	Identify local researchers to be trained for data entry Train local researchers for data entry, Anchorage Begin data entry and review

FY04, 3rd Quarter (April 1, 2004 – June 30, 2004)

April, May, and June	Complete data entry and review Begin data analysis Submit data inventory to EVOS TC Data Systems Manager
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FY04, 4th Quarter (July 1, 2004 – September 30, 2004)

July & August 2004	Complete data analysis
September 1, 2004	Submit annual report
September 28 and 29, 2004	Data Review Workshop, Anchorage

FY05, 1st Quarter (October 1, 2004 – December 31, 2004)

October & November 2004	Prepare review draft of final report
December 2004	Draft report distributed for review

FY05, 2nd Quarter (January 1, 2005 – March 31, 2005)

January 2005	Report study findings at Annual GEM workshop
March 2005	Revise draft final report Submit data to EVOS TC Data Archive

FY05, 3rd Quarter (April 1, 2005 – June 30, 2005)

April 15, 2005	Submit draft final report to EVOS TC Mail project summary
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IV. RESPONSIVENESS TO KEY TRUSTEE COUNCIL STRATEGIES

A. Community Involvement and Traditional Ecological Knowledge (TEK)

The GEM Program is committed to meaningful and effective involvement and collaboration with the coastal communities in the spill area. Community involvement is an integral part of this project proposal. Collaboration with communities is built into every step of the project. The workshops are designed to incorporate the use of local and traditional knowledge with scientific knowledge to create a collective understanding of the resource uses in the Gulf of Alaska ecosystem and the status of subsistence activities. In addition, the training provided will result in the increased capacity of community members to apply their understanding to stewardship of natural resources.

B. Resource Management Applications

The Division of Subsistence is the lead state agency for the collection and dissemination of information about subsistence harvests in Alaska. The subsistence harvest data collected during this proposed project will become part of the division's Community Profile Database, and will be used by the division, other ADF&G divisions, federal agencies, tribes, and others in the development of management plans, regulations, impact assessments, and deliberations by the Alaska Board of Fisheries, the Alaska Board of Game, and the Federal Subsistence Board (as required by state and federal law).

V. PUBLICATIONS AND REPORTS

Annual Report. The required annual report for activities for the first fiscal year (FFY04) will be submitted by September 1, 2004.

Final Report. A final report that summarizes the major study findings will be completed and distributed as part of the GEM Final Report Series and Division of Subsistence Technical Paper Series. A preliminary draft version of this report will be reviewed by each participating community and will be available for review by December 31, 2004. After receipt of comments and completion of revisions, the draft final report will be submitted for GEM peer review by April 15, 2005. (Note that this differs from the normal due date for the draft final report of April 15 of the year after the final fiscal year of the project, which in this case would be April 2006. That amount of time is not necessary.) Also in April 2005, a short (four to eight pages) overview of the study findings will be prepared for distribution to all households in each study community about the overall project findings, and another short (four to eight pages) summary with selected findings for each study community will also be distributed. (See Appendix E in Fall and Utermohle 1999 for the overall summary for the 1998 study, and Appendices G through M for the community summaries.) Each study community will receive a full set of the study findings in formats suitable to their further use. (See examples in Appendices N through U in Fall and Utermohle 1999.) The final report will be revised, printed, and distributed following receipt of peer review comments.

Annual GEM Workshop Presentation. Project personnel will present study findings at the Annual GEM Workshop in Anchorage in January 2005. This will provide an additional forum for discussion of the study's findings regarding the status of subsistence uses.

Other. The study findings will become part of the Division of Subsistence Community Profile Database (CPDB) and will be utilized in additional reports and analyses as needed.

VI. PROFESSIONAL CONFERENCES

We are not requesting travel funds to any professional conferences.

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- Fall, James A. 1999b. Changes in Subsistence Uses of Fish and Wildlife Resources Following the *Exxon Valdez* Oil Spill. In *Evaluating and Communicating Subsistence Seafood Safety in a Cross-Cultural Context: Lessons Learned from the Exxon Valdez Oil Spill*, L.J. Field, J.A. Fall, T.S. Nighswander, N. Peacock, and U. Varanasi, eds., pp 51-104. Pensacola, Florida: Society of Environmental Toxicology and Chemistry (SETAC).
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- Fall, James A., Lee Stratton, Philippa Coiley, Louis Brown, Charles Utermohle, and Gretchen Jennings. 1996. Subsistence Harvests and Uses in Chenega Bay and Tatitlek in the Year Following the *Exxon Valdez* Oil Spill. Alaska Department of Fish and Game, Division of Subsistence Technical Paper No. 199. Juneau.

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- Fall, James A., Rita Miraglia, William Simeone, Charles J. Utermohle, and Robert J. Wolfe. 2001. Long-Term Consequences of the *Exxon Valdez* Oil Spill for Coastal Communities of Southcentral Alaska. Alaska Department of Fish and Game, Division of Subsistence Technical Paper No. 264. Juneau. [also published as US Minerals Management Service Technical Report 163. OCS Study MMS 2001-032).
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Stratton, Lee, and Evelyn B. Chisum. 1986. Resource Use Patterns in Western Prince William Sound: Chenega in the 1960s and Chenega Bay 1984-86. Alaska Department of Fish and Game, Division of Subsistence Technical Paper No. 139. Juneau,.

Principal Investigator Resume

Project: Update of Status of Subsistence Uses in *Exxon Valdez* Oil Spill Area Communities

James A. Fall
Regional Program Manager
Division of Subsistence
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333 Raspberry Road
Anchorage, Alaska 99518
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E-mail: jim_fall@fishgame.state.ak.us

1. Academic and professional credentials

BA (major in anthropology). University of Pennsylvania, Philadelphia, PA. 1973.

MA in Anthropology. University of Wisconsin-Madison. 1978.

Ph.D. in Anthropology. University of Wisconsin-Madison. 1981.

Since 1981, I have been the regional program manager for the Division of Subsistence of the Alaska Department of Fish and Game in Anchorage. As such, I manage the division's program of applied social science research in southcentral and southwest Alaska, including the area affected by the *Exxon Valdez* oil spill.

2. a. Five most recent publications most closely related to the proposed project.

Fall, James. 1999. Patterns of Subsistence Uses of Fish and Wildlife Resources in the Area of the *Exxon Valdez* Oil Spill. In *Evaluating and Communicating Subsistence Seafood Safety in a Cross-Cultural Context: Lessons Learned from the Exxon Valdez Oil Spill*, L. Jay Field, James A. Fall, Thomas S. Nighswander, Nancy Peacock, and Usha Varanasi, editors, pp. 21-32. Pensacola, FL: Society of Environmental Toxicology and Chemistry (SETAC).

Fall, James. 1999. Changes in Subsistence Uses of Fish and Wildlife Resources Following the *Exxon Valdez* Oil Spill. In L. Jay Field et al., editors (above), pp. 51-104.

Fall, James, L. Jay Field, Thomas S. Nighswander, John E. Stein, and Michael Bolger. 1999. Overview of Lessons Learned from the *Exxon Valdez* Oil Spill: A 10-year Retrospective. In L. Jay Field et al. editors (above), pp. 237-269.

Fall, James A. and Charles Utermohle. 1999. Subsistence Harvests and Uses in Eight Communities Ten Years After the *Exxon Valdez* Oil Spill. Alaska Department of Fish and Game, Division of Subsistence Technical Paper No. 252. Juneau. [EVOS Restoration Project No. 99471]

Fall, James A., Rita Miraglia, William Simeone, Charles J. Utermohle, and Robert J. Wolfe. 2001. Long-Term Consequences of the *Exxon Valdez* Oil Spill for Coastal Communities of

Southcentral Alaska. Alaska Department of Fish and Game, Division of Subsistence
 Technical Paper No. 264. Juneau. [Also US Minerals Management Service OCS Study
 MMS2001-032]

2. b. Five other significant publications.

Fall, James A. 1990. The Division of Subsistence of the Alaska Department of Fish and Game:
 An Overview of Its Research Program and Findings: 1980-1990. *Arctic Anthropology*
 27(2):68-92.

Fall, James A. 1995. Subsistence Restoration Planning and Implementation. *Exxon Valdez Oil
 Spill Restoration Project Final Report (Restoration Projects 94428 and 95428)*. Alaska
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Fall, James A. and L. Jay Field. 1996. Subsistence Uses of Fish and Wildlife before and after
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Fall, James A. and Molly B. Chythlook. 1998. The Round Island Walrus Hunt: Reviving a
 Cultural Tradition. *Cultural Survival Quarterly* 22(3):59-62.

Fall, James A. 1999. Restoration Note Book Series: Subsistence. *Exxon Valdez Oil Spill
 Trustee Council*. Anchorage.

3. List of collaborators over the last four years.

Andersen, Dave	ADF&G (retired)	Mishler, Craig	ADF&G (retired)
Andersen, Ralph	Bristol Bay Native Association	Nighswander, Thomas	Alaska Native Medical Center
Bolger, Michael	USFDA	Osterback, Peggy	Aleut Marine Mammal Commission
Borba, Bonnie	ADF&G	Peacock, Nancy	NOAA
Braund, Steve	Stephen Braund and Associates	Riedel, Monica	Alaska Native Harbor Seal Commission
Brown-Schwalenberg, Patty	Chugach Regional Resources Commission	Scarborough, Lisa	ADF&G
Callaway, Don	NPS	Shanks, Roland	Alaska Inter-Tribal Council
Casipit, Cal	US Forest Service	Shiedt, Enoch	Maniilaq Association
Caylor, Dave	ADF&G	Simeone, Bill	ADF&G
Chythlook, Molly	ADF&G	Stanek, Ronald T.	ADF&G
Coffing, Mike	ADF&G	Stein, John	NOAA
Davis, Brian	ADF&G	Stephan, Lee	Native Village of Eklutna
Davis, Nancy Yaw	Cultural Dynamics	Theodore, Carol	Knik Tribal Council
Field, L. Jay	NOAA	Turek, Mike	ADF&G
Georgette, Susan	ADF&G	Utermohle, Charles	ADF&G (formerly); ADHHS
Hanson, Diane	US Army Corps of Engineers	Vanek, Vicki	ADF&G
Herrmann, Adelheid	Alaska Inter-Tribal Council	Varanasi, Usha	NOAA
Holen, Davin	ADF&G	Walker, Bob	ADF&G
Hooper, Jennifer	Association of Village Council Presidents	Wallis, Kay	Alaska Inter-Tribal Council
Kari, James	Alaska Native Language Center	Wheeler, Polly	ADF&G (formerly); now USFWS
Kenner, Philippa Coiley	ADF&G	Williams, Liz	ADF&G
Klosiewski, Steve	USFWS	Wolfe, Robert J.	Robert J. Wolfe and Associates
Krieg, Ted	ADF&G	Yaska, George	Tanana Chiefs Conference
Martin, Harold	Tlingit Haida Central Council	Zemke, Steve	US Forest Service
McBride, Doug	ADF&G (retired); now USFWS		

Principal Investigator Resume

Project: Update of Status of Subsistence Uses in *Exxon Valdez* Oil Spill Area Communities

Robert J. Walker
Program Coordinator
Division of Subsistence
Alaska Department of Fish and Game
333 Raspberry Road
Anchorage, Alaska 99518
Phone: 907-267-2356 (voice); 907-267-2450 (fax)
E-mail: bob_walker@fishgame.state.ak.us

1. Academic and professional credentials

BS (major in Fisheries Science). University of Alaska, Fairbanks. 1980.
MS in Fisheries Science. University of Alaska, Fairbanks. 1983.

Since 1984, I have been an information management section leader within the ADF&G divisions of Subsistence, Wildlife Conservation and Sport Fish. I have managed statewide programs for collecting and analyzing information related to human use of fisheries and wildlife.

2. a. Five most recent publications most closely related to the proposed project.

Wolfe, Robert J. and Robert J. Walker. 1987. Subsistence Economies in Alaska: Productivity, Geography and Development Impacts. *Arctic Anthropology* 24(2):56-81.

Fall, James A. and Robert J. Walker. 1993. Subsistence Harvests by Six Kodiak Island Borough Communities. Technical Paper No. 193.

Fall, James A., Janet Schichnes, Molly Chythlook, and Robert J. Walker. 1986. Patterns of Wild Resource Use in Dillingham: Hunting and Fishing in an Alaskan Regional Center. Technical Paper No. 135.

Walker, Robert J., Elizabeth F. Andrews, David B. Andersen, and Neil Shishido. 1989. Subsistence Harvest of Pacific Salmon in the Yukon River Drainage, Alaska, 1977-88. Technical Paper No. 187.

Fall, James A., Robert J. Walker, and Ronald T. Stanek. 1990. Subsistence Use of the Southern Alaska Peninsula Caribou Herd. Technical Paper No. 191.

2. b. Five other significant publications.

Walker, Robert J., Elizabeth F. Andrews, David B. Andersen, and Neil Shishido. 1989. Subsistence Harvest of Pacific Salmon in the Yukon River Drainage, Alaska, 1977-88. Technical Paper No. 187.

Walker, Robert J. and Michael W. Coffing. 1993. Subsistence Salmon Harvest in the Kuskokwim Area During 1989. Technical Paper No. 189.

Walker R. J., C. Olnes, K. Sundet, A. L. Howe, and A. E. Bingham. 2003. Participation, catch, and harvest in Alaska sport fisheries during 2000. Alaska Department of Fish and Game, Fishery Data Series No. 03-05, Anchorage.

Howe, A. L., R. J. Walker, C. Olnes, K. Sundet, and A. E. Bingham. 2001. Participation, catch, and harvest in Alaska sport fisheries during 1999. Alaska Department of Fish and Game, Fishery Data Series No. 01-8, Anchorage.

Howe, A. L., R. J. Walker, C. Olnes, K. Sundet, and A. E. Bingham. 2002. Addendum, containing sample survey instruments, to Participation, Catch, and Harvest in Alaska Sport Fisheries During 1998 (Revised Edition). Alaska Department of Fish and Game, Addendum to Fishery Data Series 99-41 (revised 2001), Anchorage.

3. List of collaborators over the last four years.

Bingham, Allen	ADF&G
Coffing, Mike	ADF&G
Howe, Allen	ADF&G (retired)
Olnes, Cynthia	ADF&G (retired)
Sundet, Kathrin	ADF&G

PERSONAL INFORMATION:

Name: Ralph Andersen
Address: P.O. Box 1177
Dillingham, AK 99576-1177
Phone: (907) 842-2406

ACADEMIC CREDENTIALS:

- Diploma, Woodstock Union High School, Woodstock, Vermont, 1972
- Bachelor of Arts (English & Political Science), University of Alaska, Fairbanks, Alaska, 1979

EMPLOYMENT SUMMARY:

Total of 22 years experience in local/regional government, private industry, post-secondary education, and Native non-profit consortium as follows:

- 9 years in senior management positions with the North Slope Borough;
- 5 years in senior administration position with the Arctic Slope Regional Corporation;
- 3 years in senior management positions with Ilisagvik College;
- 5 years in Natural Resources management position with the Bristol Bay Native Association.

Present Employment:

Title: Natural Resources Program Manager, Bristol Bay Native Association
P.O. Box 310, Dillingham, Alaska 99576

Duration: January 1998 to Present

Summary of Duties: Develop, administer and supervise a comprehensive range of environmental resource programs for residents of Bristol Bay, including subsistence, environmental protection, and interagency relationships with State and Federal resource management agencies. Provide the overall management and supervisory functions of the Natural Resources Program. Administer budgetary and contractual obligations. Develop and implement detailed Program plans, including goals and objectives. Produce necessary reports. Provide direct supervision of Program staff. Serve as liaison to address management and policy concerns regarding fisheries, game management, economic enhancement, mining, oil and gas development, among other issues in order to maintain the renewable resources and subsistence lifestyle of the region. Develop co-management compacting agreements with State and Federal resource management agencies. Provide information to area residents and the general public to broaden knowledge, awareness and perspectives of resource issues that affect Bristol Bay.

RESEARCH INVOLVEMENTS DURING PAST 5 YEARS:

Co-Principal Investigator, *“Estimation of late run sockeye and coho salmon escapement in the Clark River, a tributary to Chignik Lake, Alaska Peninsula National Wildlife Refuge”*

Co-Principal Investigator, *“Carrying capacity of habitats used seasonally by coho salmon in the Kametlook River, Alaska Peninsula National Wildlife Refuge”*

Co-Principal Investigator, *“Sockeye salmon escapement estimation for the Alagnak River drainage”*

Co-Principal Investigator, *“Angler effort index for the Alagnak River”*

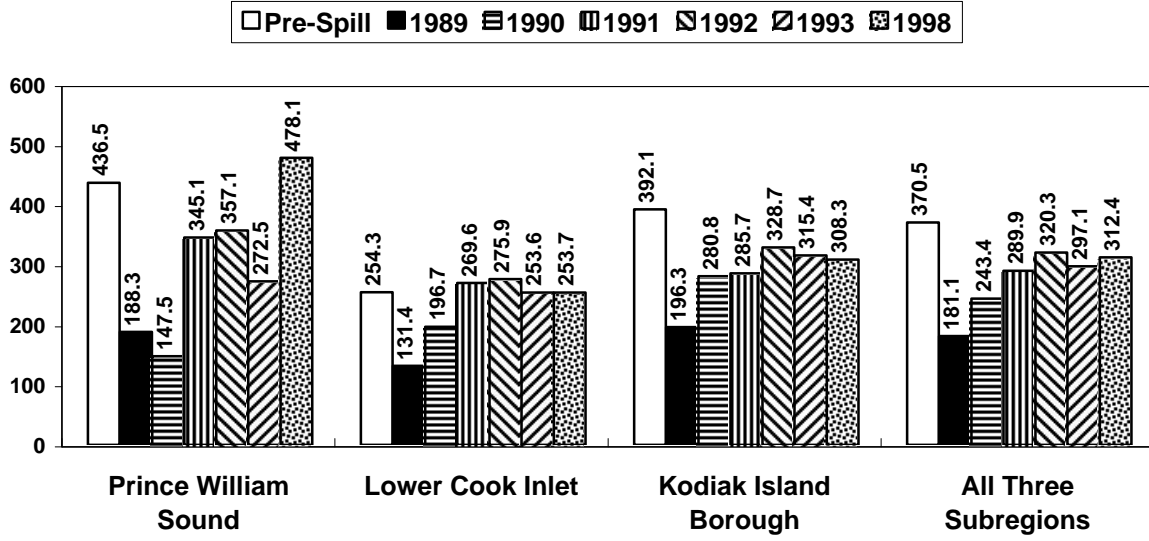
Co-Principal Investigator, *“Estimate coho salmon escapement in the Ugashik lakes system, Alaska Peninsula National Wildlife Refuge”*

Co-Principal Investigator, *“Patterns of Sharing, Bartering, and Trade of Subsistence Resources in the Bristol Bay Area”*

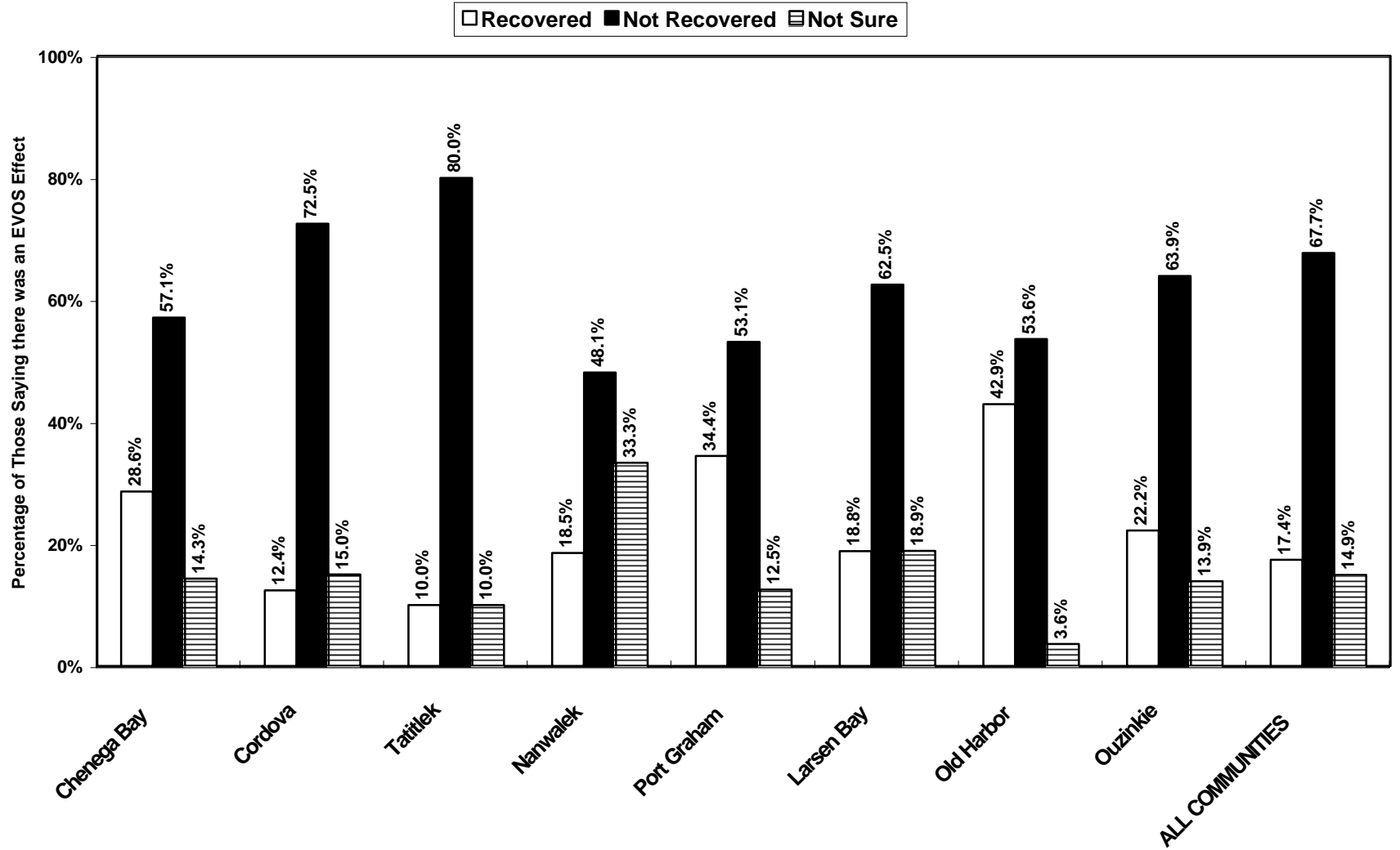
Cooperator, *“Salmon Restoration of the Kametook River - Perryville, Alaska”*

Cooperator, *“Effects of Beluga Whales on Subsistence Salmon in the Kvichak River Drainage”*

Figure 1. Estimated Subsistence Harvests in the EVOS Region in Pounds Usable Weight per Person by Year and Subregion



**Figure 2. Has the Traditional Way of Life Recovered Since the *Exxon Valdez* Oil Spill?
(asked in 1998)**



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

Budget Category:	Proposed FY 04	Proposed FY 05	Proposed FY 06		TOTAL PROPOSED	
Personnel	\$141.9	\$22.1	\$0.0		\$164.0	
Travel	\$8.6	\$0.7	\$0.0		\$9.3	
Contractual	\$122.2	\$0.5	\$0.0		\$122.7	
Commodities	\$1.3	\$0.2	\$0.0		\$1.5	
Equipment	\$0.0	\$0.0	\$0.0		\$0.0	
Subtotal	\$274.0	\$23.5	\$0.0		\$297.5	
General Administration (9% of subtotal)	\$24.7	\$2.1	\$0.0		\$26.8	
Project Total	\$298.7	\$25.6	\$0.0		\$324.3	

Cost-share Funds:
 In-kind support consists of 3 months of support for a regional program manager as principal investigator, including overall direction of research design, facilitation of workshops, writing the annual report, and supervision of SRSs, and 4.2 months of administrative clerk time for data entry. Also, a portion of the travel costs for the project are covered by a cooperative agreement between the Division of Subsistence and the National Marine Fisheries Service to estimate subsistence habibut harvvests.

**FY 04-
06**

Project Number:
 Project Title: Subsistence Update
 Agency: Division of Subsistence, AK Dept. Fish & Game

FORM 3A
 TRUSTEE
 AGENCY
 SUMMARY

Date Prepared:

16-Jun-03

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

Personnel Costs:		GS/Range/ Step	Months Budgeted	Monthly Costs	Overtime	Personnel Sum
Name	Description					
Ronald Stanek	SRS III	18L	2.5	6.9		17.3
William Simeone	SRS III	18E	2.5	6.1		15.3
Liz Williams	SRSII	16A	2.5	4.6		11.5
Brian Davis	SRSII	16C	2.5	5.1		12.8
Lisa Scarbrough	SRSII	16J	2.5	5.6		14.0
Davin Holen	SRSII	16A	2.5	4.6		11.5
Theodore Krieg	SRSII	16D	2.5	6.3		15.8
Robert Walker	PC	20C	0.3	6.5		2.0
Jessie Mallery	AC III	10E	2.6	3.8		9.9
Ron Paciorek	AP III	18A	4.4	5.4		23.8
Cordova Seasonal Technicians			2.0	4.0		8.0
Note: Mallery reduced from 6.8 months to reflect matching; see budget narrative						0.0
Subtotal			26.8	58.9	0.0	
Personnel Total						\$141.9
Travel Costs:		Ticket Price	Round Trips	Total Days	Daily Per Diem	Travel Sum
Description						
Anchorage/Kodiak		0.3	2	0		0.6
Dillingham/Anchorage		0.4	2	6	0.1	1.4
Cordova/Anchorage		0.3	2	20	0.1	2.6
Anchorage/Nanwalek and Port Graham		0.0	1	6	0.0	0.0
Anchorage/Chignik Lake		0.9	0	3	0.0	0.0
Dillingham/Chignik Lake		0.0	1	3	0.0	0.0
Chignik Lake to 3 villages		0.1	3	9	0.1	1.2
Kodiak to 6 villages		0.2	3	10	0.1	1.6
Anchorage/Chenega Bay (seat fare)		0.3	1	3	0.1	0.6
Ancorage/Tatitlek (seat fare)		0.3	1	3	0.1	0.6
Note: travel costs of \$13.2 reduced by \$4.6 match (see budget narrative)						0.0
Travel Total						\$8.6

FY 04

Project Number:
Project Title: Subsistence Update
Agency: Division of Subsistence, ADF&G

FORM 3B
Personnel
& Travel
DETAIL

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

Contractual Costs:		Contractual
Description		Sum
4A Linkage	Kodiak Area Native Association	41.9
4A Linkage	Bristol Bay Native Association	34.3
4A Linkage	Chugach Regional Resources Commission	39.9
Printing of Survey forms and draft reports		1.0
Meeting space rental; two 3-day workshops @ \$150/day		0.9
Vehicle leases in Cordova		2.0
Internet access (remote data entry; 3 staff * 2 months * \$25/mos)		0.2
Data processing computers use		2.0
If a component of the project will be performed under contract, the 4A and 4B forms are required.		Contractual Total
		\$122.2
Commodities Costs:		Commodities
Description		Sum
	Paper	0.3
	Pens, notebooks for workshops and fieldwork	0.3
	Maps	0.3
	Software subscriptions (SPSS)	0.4
		Commodities Total
		\$1.3

FY 04

Project Number:
Project Title: Subsistence Update
Agency: Division of Subsistence, ADF&G

FORM 3B
Contractual &
Commodities
DETAIL

**EXXON VALDEZ OIL SPILL 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 Agency	
Description				

FY 04

Project Number:
 Project Title: Subsistence Update
 Agency: Division of Subsistence, ADF&G

FORM 3B
 Equipment
 DETAIL

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

Personnel Costs:		GS/Range/ Step	Months Budgeted	Monthly Costs	Overtime	Personnel Sum
Name	Description					
Ronald Stanek	SRS III	18L	0.5	6.9		3.5
William Simeone	SRS III	18E	0.5	6.1		3.1
Liz Williams	SRSII	16A	0.5	4.6		2.3
Brian Davis	SRSII	16C	0.5	5.1		2.6
Lisa Scarbrough	SRSII	16J	0.5	5.6		2.8
Davin Holen	SRSII	16A	0.5	4.6		2.3
Theodore Krieg	SRSII	16D	0.5	6.3		3.2
Robert Walker	PC	20C	0.1	6.5		0.7
Jessie Mallery	AC III	10E	0.0	3.8		0.0
Ron Paciorek	AP III	18A	0.3	5.4		1.6
						0.0
						0.0
Subtotal			3.9	54.9	0.0	
Personnel Total						\$22.1
Travel Costs:		Ticket Price	Round Trips	Total Days	Daily Per Diem	Travel Sum
Description						
Dillingham/Anchorage		0.4	1	3	0.1	0.7
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
Travel Total						\$0.7

FY 05

Project Number:
Project Title: Subsistence Update
Agency: Division of Subsistence, ADF&G

FORM 3B
Personnel
& Travel
DETAIL

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

Contractual Costs:		Contractual
Description		Sum
Data processing computers use		0.5
If a component of the project will be performed under contract, the 4A and 4B forms are required.		Contractual Total \$0.5
Commodities Costs:		Commodities
Description		Sum
Software subscriptions (SPSS)		0.2
		Commodities Total \$0.2

FY 05

Project Number:
 Project Title: Subsistence Update
 Agency: Division of Subsistence, ADF&G

FORM 3B
 Contractual &
 Commodities
 DETAIL

**EXXON VALDEZ OIL SPILL 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 Agency	
Description				

FY 05

Project Number:
Project Title: Subsistence Update
Agency: Division of Subsistence, ADF&G

**FORM 3B
Equipment
DETAIL**

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

Personnel Costs:		GS/Range/ Step	Months Budgeted	Monthly Costs	Overtime	Personnel Sum
Name	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
						0.0
Subtotal			0.0	0.0	0.0	
Personnel Total						\$0.0
Travel Costs:		Ticket Price	Round Trips	Total Days	Daily Per Diem	Travel 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
						0.0
						0.0
						0.0
Travel Total						\$0.0

FY 06

Project Number:
Project Title: Subsistence Update
Agency: Division of Subsistence, ADF&G

FORM 3B
Personnel
& Travel
DETAIL

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

Contractual Costs:		Contractual
Description		Sum
4A Linkage		0.0
If a component of the project will be performed under contract, the 4A and 4B forms are required.		Contractual Total
		\$0.0
Commodities Costs:		Commodities
Description		Sum
		Commodities Total
		\$0.0

FY 06

Project Number:
 Project Title: Subsistence Update
 Agency: Division of Subsistence, ADF&G

FORM 3B
 Contractual &
 Commodities
 DETAIL

**EXXON VALDEZ OIL SPILL 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
New Equipment Total				\$0.0
Existing Equipment Usage:		Number of Units	Inventory Agency	
Description				

FY 06

Project Number:
Project Title: Subsistence Update
Agency: Division of Subsistence, ADF&G

FORM 3B
Equipment
DETAIL

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

Budget Category:	Proposed FY 04	Proposed FY 05	Proposed FY 06		TOTAL PROPOSED	
Personnel	\$16.2	\$0.0	\$0.0		\$16.2	
Travel	\$17.1	\$0.0	\$0.0		\$17.1	
Contractual	\$0.0	\$0.0	\$0.0		\$0.0	
Commodities	\$0.0	\$0.0	\$0.0		\$0.0	
Equipment	\$0.0	\$0.0	\$0.0		\$0.0	
Subtotal	\$33.3	\$0.0	\$0.0		\$33.3	
Indirect (rate will vary by contractor)	\$8.6	\$0.0	\$0.0		\$8.6	
Project Total	\$41.9	\$0.0	\$0.0		\$41.9	

**FY 04-
06**

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Kodiak Area Native Association

FORM 4A
 Non-Trustee
 SUMMARY

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

Personnel Costs:			Months	Monthly	Overtime	Personnel	
Name	Description		Budgeted	Costs		Sum	
Alex Panamarof	Natural Resource Spec.		1.0	3.8		3.8	
Local assistant, Akhiok	20 surveys plus \$300					0.8	
Local assistant, Karluk	8 surveys plus \$300					0.7	
Local assistant, Larsen Bay	20 surveys plus \$300					0.8	
Local assistant, Old Harbor	52 surveys plus \$400					1.7	
Local assistant, Ouzinkie	52 surveys plus \$400					1.7	
Local assistant, Port Lions	60 surveys plus \$400					1.9	
Data entry trainee number one	150 hours plus \$100					2.4	
Data entry trainee number two	150 hours plus \$100					2.4	
						0.0	
Local assistants page \$25/survey plus \$100 workshop stipends						0.0	
Data entry trainees paid 150 hours @\$15/hour plus \$100 training stipend						0.0	
Subtotal			1.0	3.8	0.0		
Personnel Total						\$16.2	
Travel Costs:			Ticket	Round	Total	Daily	Travel
Description			Price	Trips	Days	Per Diem	Sum
Kodiak to Anchorage			0.3	2	6	0.2	1.8
Akhiok to Anchorage			0.5	2	6	0.2	2.2
Karluk to Anchorage			0.5	2	6	0.2	2.2
Larsen Bay to Anchorage			0.4	2	6	0.2	2.0
Old Harbor to Anchorage			0.5	3	10	0.2	3.5
Ouzinkie to Anchorage			0.4	3	10	0.2	3.2
Port Lions to Anchorage			0.4	2	6	0.2	2.0
							0.0
Rental cars: \$30/day for six days							0.2
							0.0
							0.0
							0.0
Travel Total							\$17.1

FY 04

Project Number:
Project Title: Subsistence Update
Name of Contractor: Kodiak Area Native Association

FORM 4B
Personnel
& Travel
DETAIL

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

Contractual Costs:	Contractual
Description	Sum
Contractual Total	\$0.0
Commodities Costs:	Commodities
Description	Sum
Commodities Total	\$0.0

FY 04

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Kodiak Area Native Association

FORM 4B
 Contractual &
 Commodities
 DETAIL

**EXXON VALDEZ OIL SPILL 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
New Equipment Total				\$0.0
Existing Equipment Usage:		Number of Units		
Description				

FY 04

Project Number:
Project Title: Subsistence Update
Name of Contractor: Kodiak Area Native Association

**FORM 4B
Equipment
DETAIL**

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

Personnel Costs:				Months	Monthly		Personnel	
Name	Description			Budgeted	Costs	Overtime	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	
Subtotal				0.0	0.0	0.0		
Personnel Total							\$0.0	
Travel Costs:				Ticket	Round	Total	Daily	Travel
Description				Price	Trips	Days	Per Diem	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
								0.0
Travel Total							\$0.0	

FY 05

Project Number:
Project Title: Subsistence Update
Name of Contractor: Kodiak Area Native Association

FORM 4B
Personnel
& Travel
DETAIL

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

Contractual Costs:	Contractual
Description	Sum
Contractual Total	\$0.0
Commodities Costs:	Commodities
Description	Sum
Commodities Total	\$0.0

FY 05

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Kodiak Area Native Association

FORM 4B
 Contractual &
 Commodities
 DETAIL

**EXXON VALDEZ OIL SPILL 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
New Equipment Total				\$0.0
Existing Equipment Usage:		Number of Units		
Description				

FY 05

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Kodiak Area Native Association

**FORM 4B
 Equipment
 DETAIL**

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

Personnel Costs:				Months Budgeted	Monthly Costs	Overtime	Personnel Sum	
Name	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	
Subtotal				0.0	0.0	0.0		
Personnel Total							\$0.0	
Travel Costs:				Ticket Price	Round Trips	Total Days	Daily Per Diem	Travel 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
								0.0
Travel Total							\$0.0	

FY 06

Project Number:
Project Title: Subsistence Update
Name of Contractor: Kodiak Area Native Association

FORM 4B
Personnel
& Travel
DETAIL

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

Contractual Costs:	Contractual
Description	Sum
Contractual Total	\$0.0
Commodities Costs:	Commodities
Description	Sum
Commodities Total	\$0.0

FY 06

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Kodiak Area Native Association

FORM 4B
 Contractual &
 Commodities
 DETAIL

**EXXON VALDEZ OIL SPILL 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
Indicate replacement equipment with an R.		New Equipment Total		\$0.0
Existing Equipment Usage:		Number of Units		
Description				

FY 06

Project Number:
Project Title: Subsistence Update
Name of Contractor: Kodiak Area Native Association

**FORM 4B
Equipment
DETAIL**

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

Budget Category:	Proposed FY 04	Proposed FY 05	Proposed FY 06		TOTAL PROPOSED	
Personnel	\$20.6	\$0.0	\$0.0		\$20.6	
Travel	\$12.6	\$0.0	\$0.0		\$12.6	
Contractual	\$0.0	\$0.0	\$0.0		\$0.0	
Commodities	\$0.0	\$0.0	\$0.0		\$0.0	
Equipment	\$0.0	\$0.0	\$0.0		\$0.0	
Subtotal	\$33.2	\$0.0	\$0.0		\$33.2	
Indirect (rate will vary by contractor)	\$6.7	\$0.0	\$0.0		\$6.7	
Project Total	\$39.9	\$0.0	\$0.0		\$39.9	

**FY 04-
06**

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Chugach Regional Resources
 Commission

FORM 4A
 Non-Trustee
 SUMMARY

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

Personnel Costs:			Months Budgeted	Monthly Costs	Overtime	Personnel Sum
Name	Description					
Project Director			1.0	6.5		6.5
Local Assistant, Chenega Bay	25 surveys plus \$300					1.0
Local Assistant, Tatitlek	25 surveys plus \$300					1.0
Local Assistants, Cordova	75 surveys plus \$500					2.4
Local Assistants, Nanwalek	50 surveys plus \$400					1.6
Local Assistants, Port Graham	60 surveys plus \$400					1.9
Data entry person one	200 hours plus \$100					3.1
Data entry person two	200 hours plus \$100					3.1
						0.0
Local assistants page \$25/survey plus \$100 workshop stipdends						0.0
Data entry trainees paid 200 hours @\$15/hour plus \$100 training stepend						0.0
						0.0
Subtotal			1.0	6.5	0.0	
Personnel Total						\$20.6
Travel Costs:		Ticket Price	Round Trips	Total Days	Daily Per Diem	Travel Sum
Description						
Chenega to Anchorage: seat fare		0.3	1	3	0.2	0.9
Chenega to Anchorage: charter		1.3	1	3	0.2	1.9
Tatitlek to Anchorage: seat fare		0.3	1	3	0.2	0.9
Tatitlek to Anchorage: charter		1.3	1	3	0.2	1.9
Cordova to Anchorage		0.3	3	10	0.2	2.9
Nanawalek to Anchorage		0.3	3	10	0.2	2.9
Port Graham to Anchorage		0.3	2	3	0.2	1.2
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
Travel Total						\$12.6

FY 04

Project Number:
Project Title: Subsistence Update
Name of Contractor: Chugach Regional Resources
Commission

FORM 4B
Personnel
& Travel
DETAIL

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

Contractual Costs:	Contractual
Description	Sum
Contractual Total	\$0.0
Commodities Costs:	Commodities
Description	Sum
Commodities Total	\$0.0

FY 04

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Chugach Regional Resources
 Commission

FORM 4B
 Contractual &
 Commodities
 DETAIL

**EXXON VALDEZ OIL SPILL 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
				0.0
				0.0
				0.0
				0.0
				0.0
				0.0
New Equipment Total				\$0.0
Existing Equipment Usage:		Number of Units		
Description				

FY 04

Project Number:
Project Title: Subsistence Update
Name of Contractor: Chugach Regional Resources Commission

FORM 4B
Equipment
DETAIL

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

Personnel Costs:				Months	Monthly		Personnel	
Name	Description			Budgeted	Costs	Overtime	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	
							0.0	
							0.0	
Subtotal				0.0	0.0	0.0		
Personnel Total							\$0.0	
Travel Costs:				Ticket	Round	Total	Daily	Travel
Description				Price	Trips	Days	Per Diem	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
Travel Total							\$0.0	

FY 05

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Chugach Regional Resources
 Commission

FORM 4B
 Personnel
 & Travel
 DETAIL

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

Contractual Costs:	Contractual
Description	Sum
Contractual Total	\$0.0
Commodities Costs:	Commodities
Description	Sum
Commodities Total	\$0.0

FY 05

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Chugach Regional Resources
 Commission

FORM 4B
 Contractual &
 Commodities
 DETAIL

**EXXON VALDEZ OIL SPILL 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
			New Equipment Total	\$0.0
Existing Equipment Usage:		Number of Units		
Description				

FY 05

Project Number:
Project Title: Subsistence Update
Name of Contractor: Chugach Regional Resources
Commission

FORM 4B
Equipment
DETAIL

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

Personnel Costs:				Months	Monthly		Personnel
	Name	Description		Budgeted	Costs	Overtime	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
		Subtotal		0.0	0.0	0.0	0.0
Personnel Total							\$0.0

Travel Costs:						
	Description	Ticket Price	Round Trips	Total Days	Daily Per Diem	Travel 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
Travel Total						\$0.0

FY 06

Project Number:
Project Title: Subsistence Update
Name of Contractor: Chugach Regional Resources
Commission

FORM 4B
Personnel
& Travel
DETAIL

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

Contractual Costs:	Contractual
Description	Sum
Contractual Total	\$0.0
Commodities Costs:	Commodities
Description	Sum
Commodities Total	\$0.0

FY 06

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Chugach Regional Resources
 Commission

FORM 4B
 Contractual &
 Commodities
 DETAIL

**EXXON VALDEZ OIL SPILL 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
Indicate replacement equipment with an R.			New Equipment Total	\$0.0
Existing Equipment Usage:		Number of Units		
Description				

FY 06

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Chugach Regional Resources
 Commission

FORM 4B
 Equipment
 DETAIL

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

Budget Category:	Proposed FY 04	Proposed FY 05	Proposed FY 06		TOTAL PROPOSED	
Personnel	\$12.7	\$0.0	\$0.0		\$12.7	
Travel	\$14.8	\$0.0	\$0.0		\$14.8	
Contractual	\$0.0	\$0.0	\$0.0		\$0.0	
Commodities	\$0.0	\$0.0	\$0.0		\$0.0	
Equipment	\$0.0	\$0.0	\$0.0		\$0.0	
Subtotal	\$27.5	\$0.0	\$0.0		\$27.5	
Indirect (rate will vary by contractor)	\$6.8	\$0.0	\$0.0		\$6.8	
Project Total	\$34.3	\$0.0	\$0.0		\$34.3	

**FY 04-
06**

Project Number:
Project Title: Subsistence Update
Name of Contractor: Bristol Bay Native Association

FORM 4A
Non-Trustee
SUMMARY

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

Personnel Costs:			Months	Monthly	Overtime	Personnel	
Name	Description		Budgeted	Costs		Sum	
Hans Nicholson	Natural Resource Spec.		1.0	6.7		6.7	
Local Assistant, Chignik	25 surveys plus \$300					0.9	
Local Assistant, Chignik Lagoon	25 surveys plus \$300					0.9	
Local Assistant, Chignik Lake	25 surveys plus \$300					0.9	
Local Assistant, Perryville	25 surveys plus \$300					0.9	
Data entry trainee one	75 hours plus \$100					1.2	
Data entry trainee two	75 hours plus \$100					1.2	
						0.0	
						0.0	
Local assistants page \$25/survey plus \$100 workshop stipdends						0.0	
Data entry trainees paid 75 hours @\$15/hour plus \$100 training stepend						0.0	
						0.0	
Subtotal			1.0	6.7	0.0		
Personnel Total						\$12.7	
Travel Costs:			Ticket	Round	Total	Daily	Travel
Description			Price	Trips	Days	Per Diem	Sum
Dillingham to Anchorage			0.4	2	5	0.2	1.8
Chignik to Anchorage			0.7	3	8	0.2	3.7
Chignik Lagoon to Anchorage			0.7	2	5	0.2	2.4
Chignik Lake to Anchorage			0.7	2	5	0.2	2.4
Perryville to Anchorage			0.9	3	8	0.2	4.3
							0.0
Rental cars @ \$30/day for six days							0.2
							0.0
							0.0
							0.0
							0.0
							0.0
							0.0
Travel Total						\$14.8	

FY 04

Project Number:
Project Title: Subsistence Update
Name of Contractor: Bristol Bay Native Association

FORM 4B
Personnel
& Travel
DETAIL

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

Contractual Costs:	Contractual
Description	Sum
Contractual Total	\$0.0
Commodities Costs:	Commodities
Description	Sum
Commodities Total	\$0.0

FY 04

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Bristol Bay Native Association

FORM 4B
 Contractual &
 Commodities
 DETAIL

**EXXON VALDEZ OIL SPILL 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
				0.0
				0.0
			New Equipment Total	\$0.0

Existing Equipment Usage:		Number of Units	
Description			

FY 04

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Bristol Bay Native Association

FORM 4B
 Equipment
 DETAIL

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

Contractual Costs:	Contractual
Description	Sum
Contractual Total	\$0.0
Commodities Costs:	Commodities
Description	Sum
Commodities Total	\$0.0

FY 05

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Bristol Bay Native Association

FORM 4B
 Contractual &
 Commodities
 DETAIL

**EXXON VALDEZ OIL SPILL 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
New Equipment Total				\$0.0
Existing Equipment Usage:		Number of Units		
Description				

FY 05

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Bristol Bay Native Association

FORM 4B
 Equipment
 DETAIL

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

Personnel Costs:				Months Budgeted	Monthly Costs	Overtime	Personnel Sum	
Name	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	
							0.0	
							0.0	
							0.0	
			Subtotal	0.0	0.0	0.0		
						Personnel Total	\$0.0	
Travel Costs:				Ticket Price	Round Trips	Total Days	Daily Per Diem	Travel 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
								0.0
						Travel Total	\$0.0	

FY 06

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Bristol Bay Native Association

FORM 4B
 Personnel
 & Travel
 DETAIL

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

Contractual Costs:	Contractual
Description	Sum
Contractual Total	\$0.0
Commodities Costs:	Commodities
Description	Sum
Commodities Total	\$0.0

FY 06

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Bristol Bay Native Association

FORM 4B
 Contractual &
 Commodities
 DETAIL

**EXXON VALDEZ OIL SPILL 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
Indicate replacement equipment with an R.			New Equipment Total	\$0.0
Existing Equipment Usage:		Number of Units		
Description				

FY 06

Project Number:
 Project Title: Subsistence Update
 Name of Contractor: Bristol Bay Native Association

FORM 4B
 Equipment
 DETAIL

BUDGET JUSTIFICATION

Project Name: Update of Status of Subsistence Uses in *Exxon Valdez* Oil Spill Area Communities

Fiscal Year 2004

Personnel. For the Division of Subsistence, funds support the work of seven Subsistence Resource Specialists (SRS) for 2.5 months each. For each, assignments consist of 0.25 months for research design and setting up fieldwork in the study communities; 0.25 months to plan and participate in the research planning workshop; 1.00 month for fieldwork (training local assistants and conducting interviews); 0.75 months for reviewing survey forms, coding data, and reviewing draft results; and 0.25 months for planning and participating in the data review workshop. In addition, two seasonal ADF&G employees will be hired for 1.0 month each to conduct surveys in Cordova. For data management personnel, funds support 0.4 months of program coordinator time; 4.0 months of analyst/programmer time; and 2.6 months of administrative clerk time for data entry.

In-kind support consists of 3 months of support for a regional program manager as principal investigator, including overall direction of research design, facilitation of workshops, writing the annual report, and supervision of SRSs, and 4.2 months of administrative clerk time for data entry.

For CRRC, KANA, and BBNA, funds support 1.0 month of a staff specialist to facilitate the project, including securing community approvals, hiring local assistants, and participating in the two workshops. Funds are also provided to hire up to 23 local research assistants to conduct approximately 525 surveys at \$25/a survey. Local research assistants will also receive stipends for participation in the planning, training, and data review workshops (\$100/workshop). Additionally, funds are requested for CRRC, KANA, and BBNA to hire two local assistants (six in total) to be trained in data entry methods.

Travel. For the Division of Subsistence, funds provide airfare and per diem for one Dillingham SRS to participate in the Anchorage workshops, and airfare and per diem for SRSs to conduct fieldwork in the study communities. For CRRC, KANA, and BBNA, funds support the travel of one local research assistant from each study community to Anchorage for two workshops, as well as one staff person from KANA and BBNA. Additionally, each organization receives funds to send up to two local assistants to Anchorage for training in data entry.

In kind/matching: the division has a contract with the National Marine Fisheries Service to estimate subsistence halibut harvests in 2003. Some travel funds from that contract (up to \$4,600) will be used to support fieldwork by SRSs.

Contractual. Three contracts between ADF&G and CRRC, KANA, and BBNA, respectively, will support local involvement in the project. Other contractual costs include printing survey instruments and training materials, rental of workshop facilities, and leasing highway vehicles for fieldwork in Cordova and any other study communities where necessary.

Commodities. Funds support purchase of notebooks, pads, and pens for use during the workshops and fieldwork, plus maps to use during interviews. Funds also provide a portion (based on a proportion of time for all ongoing research projects) of annual software maintenance fees (e.g., SPSS).

Equipment. No equipment purchases are planned.

Fiscal Year 2005

Personnel. Funds support seven SRSs for 0.5 months each to write sections of the final report.

In-kind support consists of 2 months of support for a regional program manager as principal investigator, including coordination of preparation of the draft final and final report, and presentation of study findings at the annual GEM workshop.

Travel. No travel funds in the second fiscal year of the project are requested. If the data review workshop is postponed from late September 2004, it will take place in FFY05 and be supported by funds carrying forward from FFY04 (travel of Dillingham SRS II to the workshop).

Contractual. Printing of the final report and findings summaries. Although no new funds are requested for the three subcontracts with CRRC, KANA, and BBNA, it is likely that some funds allocated to FFY04 will carry forward for FFY05 for report review.

Commodities. Commodities funds cover software subscriptions.

Equipment. No equipment purchases are planned.

Legislative Mandate

The Division of Subsistence has a legislative mandate to conduct research and provide information on all aspects of subsistence uses in Alaska (AS 16.05.094). With declining state revenues and consequent reductions in state General Fund support for ADF&G programs, the division is dependent on special project funding for most of its research activities. Virtually all prior research by the Division on the effects of the *Exxon Valdez* oil spill on subsistence uses has been supported through special project funding.