13.08.01 Aug 99 (2of2)

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 12, 1999

Charles Johnson
ABR, Inc.
POB 80410
Fairbanks, Alaska 99708

RE: Project 00533-BAA / Effects of Increasing Boat Traffic on Use of Haulouts by Harbor Seals in Western Prince William Sound

Dear Mr. Johnson:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00533/Effects of Increasing Boat Traffic on Use of Haulouts by Harbor Seals in Western Prince William Sound. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison
Sharon Kent, NOAA Contracting

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00533-BAA	Effects of Increasing Boat Traffic on Use of Haulouts by Harbor Seals in Western Prince William Sound	C. Johnson/ABR, Inc.	NOAA	New 1st yr. 3 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will study disturbance of harbor seals at ice and terrestrial haulouts in portions of Prince William Sound near the port of Whittier, where recreational boat traffic is currently growing and expected to increase at a higher rate with the completion of the road to Whittier. The project will monitor use of haulouts during two periods (pupping and molting) in the annual cycle of harbor seals when haulout use is most concentrated and disturbance may be most disruptive. The level of disturbance and the reactions of seals at two types of haulouts (ice and terrestrial) will be quantified, reactions to different types of boats will be measured, and annual changes in boat traffic and disturbance reactions will be monitored over a three-year period.

Chief Scientist's Recommendation

There is concern about the effects of increasing human uses on wildlife resources in Prince William Sound. However, the anticipated six percent increase in the annual rate of boat traffic does not translate into a six percent increase in disturbance of seals, and there is no reason to believe that disturbance does now or will in the future limit recovery of harbor seals. Although some additional study on this problem may be worthwhile, there are significant concerns about the proposed sample design, particularly with reference to the selection of sample sites and the type of information that would result from what is proposed here. In addition, previous research has established that approaches within 100 meters will disturb seals and it is not clear that this research could add much more that would be applicable to marine mammal management. Do not fund.

Trustee Council Action

Do not fund. The Chief Scientist has raised questions about the relevance of the study to recovery of harbor seals and significant concerns about the scientific design of the study.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 12, 1999

Brian Lance
Migratory Bird Management
DOI USFWS
1011 East Tudor Road
Anchorage, Alaska 99503

David Irons, Ph.D.
US Fish & Wildlife Service
1011 East Tudor Road
Anchorage, Alaska 99503

Lyman L. McDonald. Ph.D.
Western EcoSystems Technology, Inc.
2003 Central Ave
Cheyenne, Wyoming 82001

RE: Project 00559 / Long-term Monitoring and Research: Evaluation of Study Methodology for Surveys to Monitor Marine Bird Abundance in Prince William Sound

Dear Mr. Lance, Drs. Irons and McDonald:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project Project 00559/Long-term Monitoring and Research: Evaluation of Study Methodology for Surveys to Monitor Marine Bird Abundance in Prince William Sound. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Catherine Berg, DOI Liaison

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TRI EE COUNCIL ACTION (8/9/99) / FY 00 WOR LAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00559	Long-Term Monitoring and Research: Evaluation of Study Methodology for Surveys to Monitor Marine Bird Abundance in Prince William Sound	B. Lance, D. Irons/USFWS, L. McDonald/West, Inc.	DOI	New 1st yr. 2 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will evaluate the current study design and analytical methods for Project 00159/Marine Bird Boat Surveys, with the objective of transition into a long-term monitoring program. Six previous surveys have monitored population trends for more than 65 bird and eight marine mammal species in Prince William Sound. This project will use computer simulations of different sampling strategies using data collected from previous surveys (1989-98) to determine the optimal study design in regard to number of transects, transect length, habitat type, and stratification. Additional data collected in 2000 will be used to continue to examine trends from 1989 through 2000 with the goal of increasing the efficiency and precision of population estimates.

Chief Scientist's Recommendation

This proposal addresses design efficiencies for seabird boat surveys in long-term monitoring. While this project is thoughtful, and likely to be useful, it is premature to fund it until a decision is made as to whether boat-survey techniques will be used in GEM (Gulf Ecosystem Monitoring, the Trustee Council's long-term research and monitoring program). This is a decision that should be made in the coming year, leaving time to carry out this project later, if needed. Do not fund.

Trustee Council Action

Do not fund. It is not certain that boat surveys of marine birds will be part of the Trustee Council's long-term monitoring program (GEM, or Gulf Ecosystem Monitoring, currently under development) and, therefore, this project is premature.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 12, 1999

Randall Davis, Ph.D.
Department Marine Biology
Texas A&M University at Galveston
Galveston, Texas 77553

RE: Project 00441 / Harbor Seal Recovery: Effects of Diet on Lipid Metabolism and Health

Dear Dr. Davis:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $191,600 for Project 00441/Harbor Seal Recovery: Effects of Diet on Lipid Metabolism and Health. This includes $123,000 in direct project funds, $60,000 in bench fees at the Alaska SeaLife Center and $8,600 in ADFG administrative costs. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The funding projection for your project (including agency administrative costs) is $78,100 for FY 01; this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

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TRU :E COUNCIL ACTION (8/9/99) / FY 00 WORI _AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00441	Harbor Seal Recovery: Effects of Diet on Lipid Metabolism and Health	R. Davis/Texas A&M Univ.	ADFG	Cont'd 2nd yr. 3 yr. project	$191.6	$0.0	$78.1	$0.0	$269.7

Project Abstract

Changes in food availability could be affecting harbor seal population recovery. To better understand the results from field studies of harbor seal health, body condition and feeding ecology, data is needed for seals on diets that vary in nutritional composition. Working with the Alaska SeaLife Center, this project will determine how fatty acid profiles in the blubber of captive harbor seals change over time during controlled diets of herring and pollock. In addition, the project will assess the aerobic capacity and lipid metabolism of skeletal muscle in harbor seals fed controlled diets and in wild harbor seals in Prince William Sound. The results will enhance understanding of the nutritional role and assessment of dietary fat for harbor seals.

Chief Scientist's Recommendation

This is a well conceived proposal for an ongoing project to ground-truth a promising monitoring technique that could be used to understand long-term trends in food availability to marine carnivores. The results of this study will be valuable for interpreting past and future measurements of fatty acids. Fund.

Trustee Council Action

Fund. This study will investigate the effect of diet on lipid metabolism and health in harbor seals. [NOTE: Funding includes $60.0 for Alaska SeaLife Center bench fees.]

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 12, 1999

Vicki Friesen, Ph.D.
Dept of Biology
Queen's University
Kingston, ON K7L 3N6 CANADA

John F. Piatt, Ph.D.
Alaska Science Center NBS
1011 East Tudor Road
Anchorage, Alaska 99503

RE: Project 00169-CLO / A Genetic Study to Aid in Restoration of Murres, Guillemots and Murrelets in the Gulf of Alaska

Dear Drs. ~~Friesen~~ Vicki and ~~Piatt:~~ John

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $19,200 for Project 00169/A Genetic Study to Aid in Restoration of Murres, Guillemots and Murrelets in the Gulf of Alaska. This includes $17,900 in direct project funds and $1,300 in DOI-USGS administrative costs. A copy of the Council's action on your project is enclosed. Please note funding is for project close-out (data analysis and report writing) only.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Dede Bohn, USGS-BRD Liaison

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TRU EE COUNCIL ACTION (8/9/99) / FY 00 WOR LAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00169-CLO	A Genetic Study to Aid in Restoration of Murres, Guillemots, and Murrelets in the Gulf of Alaska	V. Friesen/Queen's Univ., J. Piatt/USGS-BRD	DOI	Cont'd 4th yr. 4 yr. project	$19.2	$0.0	$0.0	$0.0	$19.2

Project Abstract

Populations of common murres, pigeon guillemots, and marbled and Kittlitz's murrelets suffered high mortalities following the oil spill. In FY 00, this project will finish molecular analyses to measure genetic differentiation and gene flow among colonies of these species. The project will aid restoration by (a) determining the geographic limits of populations affected by the spill, (b) identifying sources and sinks, and (c) identifying appropriate reference or control sites for monitoring. As incidental results, it will also reveal cryptic species and subspecies, indicate the importance of inbreeding and small effective population sizes in restricting recovery, and suggest suitable source colonies for translocations.

Chief Scientist's Recommendation

This project has the potential to significantly benefit assessment of the original injury to seabirds and to inform design of the Trustee Council's long-term monitoring program (GEM or Gulf Ecosystem Monitoring, which is currently under development). Preliminary results from this project are interesting, and I am eager to see a completed product. This closeout effort should be funded.

Trustee Council Action

Fund closeout (data analysis and preparation of a final report). This project is exploring genetic variations and relationships among seabirds both within and beyond the oil-spill area. This information will help in the development of appropriate strategies for the restoration and long-term management of seabirds, including clarifying the geography of populations affected by the spill.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 12, 1999

Jeffrey W. Short
NMFS/Auke Bay Laboratory
11305 Glacier Highway
Juneau, Alaska 99801-8626

Patricia M. Harris
NMFS/Auke Bay Lab
11305 Glacier Highway
Juneau, Alaska 99801-8626

RE: Project 00195 / Pristane Monitoring in Mussels

Dear ~~Mr. Short~~ Jeff and ~~Ms. Harris:~~ Pat

On August 9, 1999 the *Exxon Valdez* Oil Spill Trustee Council acted upon the Fiscal Year 2000 Work Plan. At that meeting, the Council voted to defer action on Project 00195/Pristane Monitoring in Mussels. The Council is tentatively scheduled to reconsider the project in mid-December following a review by the Chief Scientist of the work underway in FY 99 to more fully establish the strength of the correlations between pristane levels in mussels and salmon productivity. To allow adequate time for review prior to the December meeting, please submit a description of your preliminary results to the Council, ATTN: Sandra Schubert at the address above no later than November 1, 1999.

At the August 9 meeting, the Trustee Council authorized projects totaling $7.3 million. In December, 18 deferred projects totaling approximately $1.8 million will be considered. The targeted amount for the FY 00 Work Plan is $8-9 million, so it is possible that not all deferred projects will be funded.

If the Chief Scientist recommends funding Project 00195, a slightly reduced budget will need to be submitted. The funds in the current budget for travel to the Annual Workshop exceed what is allowed in the budget instructions in the *FY 00 Invitation* by $600. These instructions limit workshop travel to the PI only, with three days per diem.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. A copy of the Trustee Council's action on your project is enclosed. If you have questions, please contact the Trustee Council liaison for your agency.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison

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TRU EE COUNCIL ACTION (8/9/99) / FY 00 WOR LAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Tota' FY00-02
00195	Pristane Monitoring in Mussels	J. Short, P. Harris/NOAA	NOAA	Cont'd 5th yr. 7 yr. project	$0.0	$30.2	$30.0	$30.0	$60.0

Project Abstract

For the last four years, this project has focused on elucidating the transport mechanism of pristane from *Neocalanus spp.* copepods into mussels during spring in Prince William Sound, and on monitoring the seasonal variation of pristane in these mussels. Results from these prior years indicate that the current network of stations sampled twice during May is sufficient to provide a one-year advance indication of significant failure in the production of these copepods within the sound. Because these copepods are the key species linking primary productivity with higher trophic levels, a population failure would have serious ecosystem effects, including reduced catches of salmonids. Beginning in FY 00, the research component of this project will be dropped and the sampling effort reduced considerably as guided by previous research. The objective of this monitoring effort is to provide advance warning of a "reverse regime shift" in Prince William Sound.

Chief Scientist's Recommendation

This project would continue previously funded work on pristane concentrations in mussels as a tool for monitoring copepod populations in Prince William Sound and predicting subsequent salmon productivity. To date, this project has been highly successful and there has been excellent community participation through the Youth Area Watch (Project /210). In FY 99, the Chief Scientist asked that the principal investigators examine SEA (Sound Ecosystem Assessment, Project /320) and hatchery data to more fully establish the strength of the correlations with salmon productivity. This analysis needs to be completed and peer reviewed before a decision can be made on funding in FY 00 or beyond. Defer pending analysis of correlations to be addressed in FY 99.

Trustee Council Action

Defer decision on funding this project pending completion and review of FY 99 effort to more fully establish the strength of the correlations between pristane levels in mussels and salmon productivity. If successful, this project could provide a relatively inexpensive measure of marine productivity, thus allowing predictions about future fisheries production and harvest levels. If funded, funding would be contingent on resolution of budget issues.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 12, 1999

Brian Lance
Migratory Bird Management
DOI USFWS
1011 East Tudor Road
Anchorage, Alaska 99503

David Irons, Ph.D.
US Fish & Wildlife Service
1011 East Tudor Road
Anchorage, Alaska 99503

RE: Project 00159 / Surveys to Monitor Marine Bird Abundance in Prince William Sound during Winter and Summer 2000

Dear Mr. Lance and Dr. Irons:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $233,600 for Project 00159/Surveys to Monitor Marine Bird Abundance in Prince William Sound during Winter and Summer 2000. This includes $213,200 in direct project funds and $20,400 in DOI-USFWS administrative costs. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The future years' funding projection for your project (including agency administrative costs) is $37,000 for FY 01; this will be reviewed on

an annual basis. Funding requests beyond FY 01 will be considered in the context of the Gulf Ecosystem Monitoring (GEM) program.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Catherine Berg, DOI Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORKPLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00159	Surveys to Monitor Marine Bird Abundance in Prince William Sound During Winter and Summer 2000	B. Lance, D. Irons/USFWS	DOI	Cont'd 7th yr. 9 yr. project	$233.6	$0.0	$37.0		$270.6

Project Abstract

This project will conduct small boat surveys to monitor abundance of marine birds and sea otters in Prince William Sound during March and July 2000. Six previous surveys have monitored population trends for more than 65 bird and eight marine mammal species in Prince William Sound. Data collected in 2000 will be used to continue to examine trends from summer 1989-00 and from winter 1990-00 by determining whether populations in the oiled zone changed at the same rate as those in the unoiled zone. Overall population trends for Prince William Sound from 1989-00 will be examined. Data collected in 1998 indicated that none of the designated injured species showed evidence of recovery in either winter or summer populations from 1989-1998.

Chief Scientist's Recommendation

This project will conduct a seventh round of boat surveys for marine bird and mammal species. These surveys are a primary means of monitoring injury to and recovery of many injured species. The methods and data analysis are well established, and the principal investigators have done a good job publishing the survey results. Although the project is expensive, the cost per species is low. Fund.

Trustee Council Action

Fund. This project will conduct the seventh biennial survey of marine bird abundance in Prince William Sound. These surveys are the primary means of monitoring the recovery of several seabird species and other wildlife. Costs estimated for FY 01 include preparation of a report on the FY 00 survey. Funding requests for additional surveys (FY 02 and beyond) will be considered in the context of GEM (Gulf Ecosystem Monitoring, the Trustee Council's long-term research and monitoring program currently under development).

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 12, 1999

John F. Piatt, Ph.D.
Alaska Science Center NBS
1011 East Tudor Road
Anchorage, Alaska 99503

G. Vernon Byrd
USFWS
2355 Kachemak Bay Drive, Suite 101
Homer, Alaska 99603

David G. Roseneau
Alaska Maritime National Wildlife Refuge
2355 Kachemak Bay Drive, Suite 101
Homer, Alaska 99603-8021

RE: Project 00501/Protocols for Long-Term Monitoring of Seabird Ecology in the Gulf of Alaska

Dear Dr. Piatt, Mr. Byrd and Mr. Roseneau:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $39,900 for Project 00501/Protocols for Long-Term Monitoring of Seabird Ecology in the Gulf of Alaska. This includes $35,200 in direct Project funds and $4,700 in DOI administrative costs. A copy of the Council's action on your Project is enclosed.

Before a Project may begin, the lead agency for the Project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 Project on that date. Any delay in documenting compliance will delay start of the Project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a Project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The future years' funding projection for your Project (including agency administrative costs) is $14,000 for FY 01; this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Dede Bohn, USGS-BRD
Catherine Berg, DOI

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TRU EE COUNCIL ACTION (8/9/99) / FY 00 WOR AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00501	Protocols for Long-Term Monitoring of Seabird Ecology in the Gulf of Alaska	J. Piatt/USGS-BRD, G. Byrd, D. Roseneau/USFWS	DOI	New 1st yr. 2 yr. project	$39.9	$0.0	$14.0	$0.0	$53.9

Project Abstract

Seabird populations will need to be monitored for many years to assess both recovery and ecological conditions affecting recovery. Detailed studies of individual seabird colonies and marine ecosystems in the Gulf of Alaska have been conducted by the U.S. Geological Survey and U.S. Fish and Wildlife Service under the auspices of damage assessment and restoration programs of the Trustee Council. Much has been learned about factors influencing seabird populations and their capacity to recover from the spill in the Gulf of Alaska. As the restoration program moves toward long-term monitoring of populations, however, protocols and long-term monitoring strategies that focus on key parameters of interest and that are inexpensive, practical and applicable over a large geographic area need to be developed.

Chief Scientist's Recommendation

This project will review and test protocols and strategies to increase the efficiency and effectiveness of monitoring seabird productivity and populations, which could significantly improve the Trustee Council's long-term monitoring program (GEM or Gulf Ecosystem Monitoring, currently under development). Fund.

Trustee Council Action

Fund revised proposal, which eliminates the field work component and clarifies the sampling methodology. This project could significantly improve seabird productivity studies and the design of the Trustee Council's long-term monitoring program (GEM or Gulf Ecosystem Monitoring, currently under development).

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 12, 1999

Robert H Day, Ph.D.
ABR, Inc.
POB 80410
Fairbanks Alaska 99708-0410

RE: Project 00287-BAA / Seabird-Oceanographic Relationships in the Northern Gulf of Alaska: Integration with NSF/NOAA Study GLOBEC
Project 00516-BAA / Publication: Comparative Habitat Use by Kittlitz's and Marbled Murrelets

Dear ~~Dr. Day:~~ Bob

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $151,300 for Project 00287/Seabird-Oceanographic Relationships in the Northern Gulf of Alaska: Integration with NSF/NOAA Study GLOBEC. This includes $141,400 in contractual funds for you and $9,900 in NOAA administrative costs.

The Council also approved funding in the amount of $21,000 for Project 00516/Publication: Comparative Habitat Use by Kittlitz's and Marbled Murrelets. This includes $19,600 in contractual funds for you and $1,400 in NOAA administrative costs.

Copies of the Council's actions on these projects are enclosed. Please note that FY 00 is expected to be the only year of Trustee Council contribution to either project.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. NOAA must also execute a contract or Reimbursable Services Agreement with you. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance, or in executing a contract, will delay start of the project. For more information, please contact the NOAA representative:

Bruce Wright
National Oceanic and Atmospheric Administration
11305 Glacier Highway, Auke Bay, Alaska 99821
Phone 907-789-6600/Fax 907-789-6608

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosures

cc: Bruce Wright, NOAA Liaison
Sharon Kent, NOAA Contracting

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00287-BAA	Seabird-Oceanographic Relationships in the Northern Gulf of Alaska: Integration with NSF/NOAA Study GLOBEC	R. Day/ABR, Inc.	NOAA	New 1st yr. 1 yr. project	$151.3	$0.0	$0.0	$0.0	$151.3

Project Abstract

This project will conduct a study of seabirds in the Northern Gulf of Alaska (Aialik Bay to Montague Island) by using a ship-of-opportunity sampling platform that is being used by the National Science Foundation/National Oceanographic and Atmospheric Administration project GLOBEC (U.S. Global Ocean Ecosystem Dynamics), which also will provide access to an extensive series of oceanographic data. This project is designed to identify ecological processes affecting temporal (seasonal and interannual) and geographic variability in the distribution and abundance of seabirds, including several species that were injured by the oil spill. It also will be useful to the restoration program by providing data on the year-round status of seabird populations and the processes that influence variability in their numbers.

Chief Scientist's Recommendation

This is a good basic project that ties data on the distribution and density of seabirds to environmental data in the Gulf of Alaska. The project takes advantage of a ship of opportunity supported by the GLOBEC (U.S. Global Ocean Ecosystem Dynamics) program; in addition, the proposer has funded gathering of these seabird data for two years of GLOBEC cruises. Thus, for one year of Trustee Council support, we can obtain three years of data. The project may be valuable in contributing to the development of a long-term monitoring program (GEM, Gulf Ecosystem Monitoring), and it will help plug information gaps about injured species, such as the Kittlitz's murrelet. Fund.

Trustee Council Action

Fund revised proposal, which deletes the August cruise. This project will study the distribution and abundance of seabirds relative to oceanographic processes. The proposed study will complement APEX (Project /163), contribute to the design of a long-term ecosystem monitoring program (currently under development by the Trustee Council as GEM, or Gulf Ecosystem Monitoring), and provide more information about the Kittlitz's murrelet, an injured species about which little is known. This project is also cost-effective in that the final report will summarize the results of three years of study, the first two of which were carried out without Trustee Council funding.

TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00516-BAA	Publication: Comparative Habitat Use by Kittlitz's and Marbled Murrelets	B. Day/ABR, Inc.	NOAA	New 1st yr. 1 yr. project	$21.0	$0.0	$0.0	$0.0	$21.0

Project Abstract

This project will analyze an existing data set and publish a paper on the comparative at-sea habitat use by Kittlitz's and marbled murrelets. Both species were classified as injured by the oil spill. At this time, nothing is known about at-sea ecological segregation and overlap in habitat use. An existing data set for both species will be ideal for examining these issues.

Chief Scientist's Recommendation

This project has developed unique and valuable data on a rare injured species, and it would be valuable to have this research published. Fund.

Trustee Council Action

Fund. This project will produce a manuscript on differences in at-sea habitat use by marbled murrelets and Kittlitz's murrelets, two species injured by the oil spill. There appears to be an overlap in habitat and therefore competition for food. Each species of murrelet may be hindering the recovery of the other species. The manuscript would yield insight on the recovery of these two species.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 12, 1999

John F. Piatt, Ph.D.
Alaska Science Center NBS
1011 East Tudor Road
Anchorage, Alaska 99503

RE: Project 00306-CLO / Ecology and Demographics of Pacific Sand Lance in Lower Cook
Project 00338 / Survival of Adult Murres and Kittiwakes in Relation to Forage Fish Abundance

Dear Dr. Piatt:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $20,000 for Project 00306/Ecology and Demographics of Pacific Sand Lance in Lower Cook. This includes $18,700 in direct project funds and $1,300 in DOI-USGS administrative costs. A copy of the Council's action on this project is enclosed. Please note funding is for project close-out (manuscript and report preparation) only.

The Council also approved funding in the amount of $59,700 for Project 00338/Survival of Adult Murres and Kittiwakes in Relation to Forage Fish Abundance. This includes $53,200 in direct project funds and $6,500 in DOI-USGS administrative costs. A copy of the Council's action on this project is also enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and

restoration funding constraints. No additional funding is projected for Project 00306. The future years' funding projection for Project 00338 (including agency administrative costs) is $46,400 in FY 01. Funding projections will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosures

cc: Dede Bohn, USGS-BRD Liaison

mm/raw

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 12, 1999

Daniel D. Roby, Ph.D.
Oregon Coop Wildlife Research Unit
104 Nash Hall, OSU
Corvallis, Oregon 97331-3803

RE: Project 00327 / Pigeon Guillemot Restoration Research at the Alaska SeaLife Center

Dear Dr. Roby:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $192,800 for Project 00327/Pigeon Guillemot Restoration Research at the Alaska SeaLife Center. This includes $161,100 in direct project funds, $20,400 in bench fees at the Alaska SeaLife Center, and $11,300 in DOI administrative costs. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The future years' funding projection for your project (including agency administrative costs) is $93,000 in FY 01; this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Catherine Berg, DOI Liaison

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TRUS E COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00327	Pigeon Guillemot Restoration Research at the Alaska SeaLife Center	D. Roby/Oregon State Univ.	DOI	Cont'd 3rd yr. 4 yr. project	$192.8	$0.0	$93.0	$0.0	$285.8

Project Abstract

This project tests the feasibility of restoration techniques for pigeon guillemots (e.g., installation of artificial nest sites, use of social attractants, captive propagation and release). It also includes controlled experiments crucial to two other restoration objectives: (a) development of nondestructive biomarkers of petroleum hydrocarbon contamination in seabirds and (b) understanding how dietary factors (prey species composition, prey size, lipid content, feeding frequency) constrain growth, development, and condition at fledging in guillemots and other fish-eating seabirds.

Chief Scientist's Recommendation

This project will test the feasibility of establishing a new breeding colony of free-flying pigeon guillemots at the Alaska SeaLife Center as well as test the effects of diet on chick growth and identify blood biomarkers indicating exposure to petroleum hydrocarbons. This proposal is for the third year of a four-year project. Fund.

Trustee Council Action

Fund revised proposal, which addresses the Chief Scientist's concerns about sample size. This project will test a restoration method for pigeon guillemots and develop information on the effects of diet and oil on the blood chemistry and growth of nestling guillemots. [NOTE: Funding includes $20.4 for Alaska SeaLife Center bench fees.]

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 12, 1999

Brenda Norcross
UAF-IMS-SFOS
200 O'Neill Building
Fairbanks, Alaska 99775-7220

RE: Project 00373 / Effect of the Oil Spill on Herring Spawning Locations and Use of Nursery Areas
Project 00374 / Regional Analysis of Juvenile Herring in Prince William Sound

Dear Ms. ~~Norcross~~ Brenda:

On August 9, 1999 the *Exxon Valdez* Oil Spill Trustee Council acted upon the Fiscal Year 2000 Work Plan. At that meeting, the Council voted to defer action on Project 00374/Regional Analysis of Juvenile Herring in Prince William Sound. The Council is tentatively scheduled to reconsider the project in mid-December following the herring synthesis workshop scheduled for Fall 1999.

At the August 9 meeting, the Trustee Council authorized projects totaling $7.3 million. In December, 18 deferred projects totaling approximately $1.8 million will be considered. The targeted amount for the FY 00 Work Plan is $8-9 million, so it is possible that not all deferred projects will be funded.

Regarding Project 00373/Effect of the Oil Spill on Herring Spawning Locations and Use of Nursery Areas, in June I notified you of my recommendation that the Trustee Council not fund this project. This letter is to inform you that the Council accepted my recommendation and did not fund Project 00373.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. A copy of the Trustee Council's action on your projects is enclosed. If you have questions, please contact the Trustee Council liaison for your lead agency.

Sincerely,

Molly McCammon
Executive Director

Enclosures

cc: Claudia Slater, ADFG Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00373	Effect of the Oil Spill on Herring Spawning Locations and Use of Nursery Areas	B. Norcross/UAF	ADFG	New 1st yr. 1 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will study the importance of the two factors that were identified by the Sound Ecosystem Assessment (SEA, Project /320) herring component as critical steps to successful recruitment, i.e., the effect of herring spawning location and the effect of how the larvae are distributed. Using physical circulation modeling of Prince William Sound developed under SEA, climate scenarios that result in herring larvae being transported from spawning locations to nursery areas will reveal which areas are most likely to retain herring larvae in the sound in locations conducive to successful development as juveniles. This technique also will show the potential effect on herring spawned or distributed within the spill area.

Chief Scientist's Recommendation

This proposal has the potential to provide a needed synthesis of herring research in an analytical framework. However, as part of a suite of projects being proposed, there seems to be too little coordination between projects to produce a synthesis that will usefully advance our management of this commercially and ecologically important injured resource. A synthesis effort based around the construction of an analytical model to assemble and organize existing knowledge is necessary if additional research is to produce information of high value to management of this resource. There is too much overlap among projects 00373, 00374, 00375, and 00389. The objectives of this proposal should be integrated into Project 00374. Do not fund.

Trustee Council Action

Do not fund. This project should be integrated with Project 00374. There is a great deal of overlap between these two projects.

TRUS : COUNCIL ACTION (8/9/99) / FY 00 WORK ~' AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00374	Regional Analysis of Juvenile Herring in Prince William Sound	B. Norcross/UAF	ADFG	New 1st yr. 1 yr. project	$0.0	$35.5	$0.0	$0.0	$0.0

Project Abstract

This project will further analyze larval and herring distribution data collected within bays in Prince William Sound during the Sound Ecosystem Assessment project (SEA, /320). Specifically, the small-scale distribution of herring in relation to physical characteristics within bays used as nursery areas will be examined. This should result in an explanation of differences in factors that affect survival of juvenile herring among bays discovered during SEA. Broader implications will be examined by comparing the results to those of Atlantic herring.

Chief Scientist's Recommendation

Small-scale hydrographic processes are important in determining susceptibility of larvae at different localities to transport within and out of Prince William Sound. This is where we start to use the information the SEA project (Sound Ecosystem Assessment, /320) collected. Projects 00373 and 00374 should be integrated into a coherent package of hypotheses regarding processes of retention and transport of herring larvae and implications for stock structure, monitoring and management programs. Defer, pending a herring synthesis workshop which should be held in Fall 1999.

Trustee Council Action

Defer decision on funding this project until after the herring synthesis workshop tentatively scheduled for Fall 1999. Consideration should be given to funding a revised proposal that integrates projects 00373 and 00374, addresses other concerns raised by the Chief Scientist, and implements recommendations resulting from the workshop.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 12, 1999

Donald Schell, Ph.D.
UAF/IMS
POB 757220
Fairbanks, Alaska 99775-7220

RE: Project 00371 / Effects of Harbor Seal Metabolism on Stable Isotope Ratio Tracers

Dear ~~Dr. Schell~~ Don:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $163,100 for Project 00371/Effects of Harbor Seal Metabolism on Stable Isotope Ratio Tracers. This includes $98,000 in direct project funds, $58,200 in bench fees at the Alaska SeaLife Center, and $6,900 in ADFG administrative costs. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The funding projection for your project (including agency administrative costs) is $96,300 for FY 01; this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

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TRUS[illegible]E COUNCIL ACTION (8/9/99) / FY 00 WORK [illegible]AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00371	Effects of Harbor Seal Metabolism on Stable Isotope Ratio Tracers	D. Schell/UAF	ADFG	Cont'd 2nd yr. 3 yr. project	$163.1	$0.0	$96.3	$0.0	$259.4

Project Abstract	Chief Scientist's Recommendation	Trustee Council Action
A major concern with the use of stable isotope tracers in ecosystem studies is the fidelity with which ratios are transferred up food chains. Use of specific habitats or prey cannot be assessed if geographic gradients in isotope ratios are laid on top of trophic effects and/or prey switching. To remove these problems, this project will seek specific conservative biomarkers such as essential amino acids or fatty acids that carry isotope ratios unmodified by metabolism. Amino acids labeled with 15N and 13C will be used to follow transamination and carbon relocation during metabolic processes in the seals at the Alaska SeaLife Center. Specific fatty acid isolation and determination of suitability as habitat biomarkers will follow in year three of the project.	This project maintains its potential to make basic contributions to understanding nutrition in harbor seals and how specific amino acids and their stable isotopes may serve as dietary markers in wild populations of harbor seals. Fund.	Fund. This study will shed light on the effect of nutrition on the recovery of harbor seals. [NOTE: Funding includes $58.2 for Alaska SeaLife Center bench fees.]

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Craig Matkin
North Gulf Oceanic Society
POB 15244
Homer, Alaska 99603

RE: Project 00012A-BAA / Photographic and Acoustic Monitoring of Killer Whales in Prince William Sound and Kenai Fjords

Dear Mr. Matkin: Craig

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $82,900 for Project 00012A/Photographic and Acoustic Monitoring of Killer Whales in Prince William Sound and Kenai Fjords, contingent on submittal of the four manuscripts promised for FY 98 and FY 99, as outlined in the Chief Scientist's recommendation. Funding includes $77,500 in direct project funds and $5,400 in NOAA administrative costs. A copy of the Chief Scientist's recommendation and the Council's action on your project is enclosed.

In addition to satisfying the condition specified above, before a project may begin the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. The lead agency must also execute a contract or Reimbursable Services Agreement with you. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance, or in executing a contract, will delay start of the project. For more information, please contact the NOAA representative:

Bruce Wright
National Oceanic and Atmospheric Administration
11305 Glacier Highway, Auke Bay, Alaska 99821
Phone 907-789-6600/Fax 907-789-6608

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA
Sharon Kent, NOAA

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TRUS E COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00012A-BAA	Photographic and Acoustic Monitoring of Killer Whales in Prince William Sound and Kenai Fjords	C. Matkin/North Gulf Oceanic Society	NOAA	Cont'd 8th yr. 9 yr. project	$82.9	$0.0		$0.0	$82.9

Project Abstract

This project will continue the monitoring of the damaged AB pod and other Prince William Sound/Kenai Fjords killer whales that has occurred on a yearly basis since 1984. Methods include the photo-identification of individual whales and acoustic monitoring with remote and vessel-based hydrophone systems. The project continues interpretation of previous data and data collected with matching funds. It provides for publication of the results from this multi-year examination of killer whale population biology, acoustics, trophic interactions, spatial and temporal distribution patterns, and contaminant accumulation.

Chief Scientist's Recommendation

This project will sustain monitoring of killer whales that has been ongoing since the spill. The AB pod has shown a net gain in individuals since 1996, but its recovery, as well as the status of the AT1 pod, continues to be of concern. The hydrophone at the Alaska SeaLife Center is a worthwhile educational undertaking. Fund, but funding should be contingent on delivery of the four manuscripts promised in FY 98 and FY 99 (critical habitats, genetic isolation, effective population sizes, and niche partitioning).

Trustee Council Action

Fund revised proposal, which deletes the genetics and call comparison components, contingent on submittal of the four manuscripts promised for FY 98 and FY 99, as outlined in the Chief Scientist's recommendation. Future funding will depend on review of the FY 00 results and progress on publishing manuscripts. This project is providing valuable information about the long-term effects of the oil spill on resident and transient pods of killer whales in Prince William Sound.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Chris Elfring, Ph.D.
Polar Research Board (HA 454)
2101 Constitution Avenue, NW
Washington, DC 20418

RE: Project 00360-BAA / The *Exxon Valdez* Oil Spill: Guidance for Future Research Activities

Dear Dr. ~~Elfring~~ Chris:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $307,400 for Project 00360/The *Exxon Valdez* Oil Spill: Guidance for Future Research Activities. This includes $286,600 in direct project funds and $20,800 in NOAA administrative costs. A copy of the Council's action on your project is enclosed. Please note that, even though the Council has approved the funds for the project, NOAA will not be authorized to spend those funds (i.e., enter into a contract with the NRC) until the draft of the long-term research and monitoring plan is developed to the point that review by the NRC is appropriate. Our current schedule calls for the draft plan to be submitted to the NRC in January 2000. However, if this is delayed following review by the Trustee Council and the public, your budget will need to be adjusted accordingly.

Also prior to receiving authorization to spend, NOAA must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. For more information, please contact the NOAA liaison to the Trustee Council:

Bruce Wright
National Oceanic and Atmospheric Administration
11305 Glacier Highway, Auke Bay, Alaska 99821
Phone 907-789-6600/Fax 907-789-6608

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and

restoration funding constraints. The future year's funding projection for your project (including agency administrative costs) is $131,500 in FY 01; this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year. I'll be in touch with you soon.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison
Sharon Kent, NOAA Contracting

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TRUS : COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00360-BAA	The *Exxon Valdez* Oil Spill: Guidance for Future Research Activities	C. Elfring/Polar Research Board, NRC	NOAA	New 1st yr. 2 yr. project	$307.4	$0.0	$131.5	$0.0	$438.9

Project Abstract

The National Research Council's Polar Research Board and Board on Environmental Science and Toxicology will appoint a special committee to review the scope, content, and structure of the draft science plan the Trustee Council is preparing to guide long-term research and monitoring in the northern Gulf of Alaska. To provide context for reviewing the draft plan, the committee will become familiar with the overall program of damage assessment and restoration research and monitoring activities that has been sponsored by the Council. The committee will prepare a final report with the conclusions and recommendations intended to give guidance on the nature and scope of future research and monitoring activities in the northern Gulf of Alaska.

Chief Scientist's Recommendation

In this project, the National Research Council will become familiar with the entire scope of the Trustee Council's program, starting with the damage assessment, and then specifically review and make recommendations on a draft long-term monitoring and research program (GEM or Gulf Ecosystem Monitoring, currently under development). An external review of the long-term plan is an important exercise, both to improve its scope, content, and structure, and also to increase the profile and credibility of the effort nationally. The participation of the BEST (Board on Environmental Science and Toxiology) is essential. In addition, the expertise of a conservation biologist should be included among the committee members. The draft of GEM to be made available to the National Research Council in FY 00 must be sufficiently detailed to justify the substantial expense of this project. Fund.

Trustee Council Action

Fund. A similar proposal submitted in FY 99 was not funded because the Trustee Council had not yet made a decision on use of the Restoration Reserve and because the Chief Scientist raised a number of technical concerns. The Council has now decided to establish a long-term research and monitoring program (currently under development as GEM, Gulf Ecosystem Monitoring) and the Chief Scientist's concerns have largely been addressed in the FY 00 proposal. External review of the GEM draft is an important step in its development. However, the timing of this project is important -- final authorization by the Executive Director should not occur until the GEM draft is sufficiently detailed to justify the expense of this project.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Thomas C. Kline, Jr., Ph.D.
Prince William Sound Science Center
POB 705
Cordova, Alaska 99574

RE: Project 00393-BAA / Prince William Sound Food Webs: Structure and Change
Project 00541-BAA / Publication: Prince William Sound Isotope Ecology
Project 00542-BAA / Stable Isotope Biogeochemical Markers as Linkages Between Fishes and Their Food Sources in Northern Gulf of Alaska Production Zones

Dear Dr. Kline:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved the following funding:

- $153,700 for Project 00393/Prince William Sound Food Webs: Structure and Change. This includes $143,700 in contractual funds for you and $10,000 for NOAA's administrative costs. The future years' funding projection for your project is $127,700 for FY 01 (including agency administrative costs); this will be reviewed again next year. Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints.
- $15,000 for Project 00541/Publication: Prince William Sound Isotope Ecology. This includes $14,000 in contractual funds for you and $1,000 for NOAA's administrative costs. Please note that FY 00 is expected to be the only year of Trustee Council contribution to this project.

Regarding Project 00542/Stable Isotope Biogeochemical Markers as Linkages Between Fishes and Their Food Sources in Northern Gulf of Alaska Production Zones, in June I notified you of my recommendation that the Trustee Council not fund this project. The Council accepted my recommendation and did not fund Project 00542 for FY 00.

Before projects 00393 and 00541 may begin, NOAA must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. NOAA must also execute contracts or Reimbursable Services Agreements with you. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting NEPA compliance, or in executing a contract, will delay start of the project. For more information, please contact the NOAA representative:

Bruce Wright
National Oceanic and Atmospheric Administration
11305 Glacier Highway, Auke Bay, Alaska 99821
Phone 907-789-6600/Fax 907-789-6608

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year. A copy of the Council's action on your projects is enclosed.

Sincerely,

Molly McCammon
Executive Director

Enclosures

cc: Bruce Wright, NOAA Liaison
Sharon Kent, NOAA Contracting

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00393-BAA	Prince William Sound Food Webs: Structure and Change	T. Kline/PWSSC	NOAA	Cont'd 2nd yr. 3 yr. project	$153.7	$0.0	$127.7	$0.0	$281.4

Project Abstract	Chief Scientist's Recommendation	Trustee Council Action
Recent research has shown that the oceanographic conditions connecting the northern Gulf of Alaska with Prince William Sound may affect recruitment and nutritional processes in fishes. Accordingly, food webs are subject to changes in carbon flow occurring between the Gulf of Alaska and Prince William Sound. This project seeks to (a) conduct retrospective analysis of Gulf of Alaska production shifts since the oil spill and (b) address ECOPATH model validation data gaps. These analyses will enable a better understanding of the ecological role of regime shift processes conjectured to be impeding the natural restoration of populations in Prince William Sound affected by the oil spill.	This is the second year of a three-year study that is exploring a potential tool for monitoring changes in productivity on the shelf of the Gulf of Alaska at Middleton Island. Use of mussel shell carbon and nitrogen stable isotope ratios offers a possible retrospective look at oceanographic conditions over the last decade in relation to productivity. Fund.	Fund. This project is using carbon and nitrogen stable isotope ratios to confirm the relative trophic status of species within the Prince William Sound ecosystem. This method could be a valuable tool for the Trustee Council's long-term monitoring program (GEM or Gulf Ecosystem Monitoring, currently under development).

TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00541-BAA	Publication: Prince William Sound Isotope Ecology	T. Kline/PWSSC	NOAA	New 1st yr. 1 yr. project	$15.0	$0.0	$0.0	$0.0	$15.0

Project Abstract	Chief Scientist's Recommendation	Trustee Council Action
A crucial part of the scientific research process is dissemination of the results to the scientific community. This project will prepare and submit a paper on salmon for publication in FY 00.	This project will support publication of study results in the peer reviewed literature. Fund.	Fund revised proposal, which provides for only one manuscript (Pacific salmon early marine life-history trophic shifts) in FY 00. The paper will explore how differences in feeding might explain differences in pink salmon survival rates, thus contributing to our understanding of the recovery of pink salmon.

TRUS E COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00542-BAA	Stable Isotope Biogeochemical Markers as Linkages Between Fishes and Their Food Sources in Northern Gulf of Alaska Production Zones	T. Kline/PWSSC	NOAA	New 1st yr. 3 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will use carbon and nitrogen natural stable isotope abundance measured in northern Gulf of Alaska biota as a tool to track biophysical coupling between zooplankton and juvenile fishes. The Sound Ecosystem Assessment (SEA, Project /320) demonstrated biophysical coupling between zooplankton and juvenile fishes using natural stable isotope tracers. Isotopic signatures of zooplankton reflected the spatial processes occurring at the isotope-discriminating primary production level while isotopic patterns of juvenile pelagic fish reflected spatial and temporal coupling of secondary and tertiary production. This project will extend observations made in SEA into the northern Gulf of Alaska continental shelf by augmenting the existing GLOBEC (U.S. Global Ocean Ecosystem Dynamics) project. Incorporation of potential coastal and oceanic carbon sources will be assessed at consumer production levels. Shifts in the dependency of oceanic versus coastal carbon sources deduced from isotopic data when paired with ongoing oceanographic studies will provide direct evidence, linking effects of oceanic forcing upon biological processes, and given a long observational base, eventually linking climatic shifts with observed changes in marine populations.

Chief Scientist's Recommendation

This proposal identifies an excellent opportunity for monitoring, but will only generate valuable information with a long-term data set. This work would be more effective in collaboration with oceanographic partners. It is premature to commit funds for long-term monitoring at the present time, but this proposal could represent a valuable concept for consideration in designing GEM (Gulf Ecosystem Monitoring, the Trustee Council's long-term research and monitoring program, which is currently under development). Do not fund.

Trustee Council Action

Do not fund based on Chief Scientist's recommendation. This proposal, which would use stable isotopes in northern Gulf of Alaska biota to track biophysical coupling between zooplankton and juvenile fishes, is premature until the Trustee Council's long term research and monitoring program (GEM, Gulf Ecosystem Monitoring) is further developed.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Thomas Dean, Ph.D.
Coastal Resources Assoc
1185 Park Center Drive, Suite A
Vista, California 92083-8304

RE: Project 00510-BAA / Recovery of Intertidal Communities and Recommendations for Future Monitoring

Dear Dr. Dean:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $48,800 for Project 00510/Recovery of Intertidal Communities and Recommendations for Future Monitoring. This includes $45,600 in direct project funds and $3,200 in agency administrative costs. A copy of the Council's action on your project is enclosed. Please note funding is for FY 00 only, with no commitment to funding in FY 01 and beyond.

Before a project may begin, NOAA must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. NOAA must also execute a contract or Reimbursable Services Agreement with you. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. For more information, please contact the NOAA representative:

Bruce Wright
National Oceanic and Atmospheric Administration
11305 Glacier Highway, Auke Bay, Alaska 99821
Phone 907-789-6600/Fax 907-789-6608

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison
Sharon Kent, NOAA Contracting
Claudia Slater, ADFG Liaison

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TRUS E COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00510-BAA	Recovery of Intertidal Communities and Recommendations for Future Monitoring	T. Dean/CRA, Inc.	NOAA	New 1st yr. 3 yr. project	$48.8	$0.0	$0.0	$0.0	$48.8

Project Abstract

This project will examine the state of recovery of key habitats and representative injured species within the intertidal zone in Prince William Sound. FY 00 will consist of a statistical comparison of the National Oceanographic and Atmospheric Administration (NOAA) Hazmat and Coastal Habitat (primarily Project CH1A) data and identification of cost effective measures for monitoring intertidal communities. FY 01 will consist of sampling at intertidal sites within the sheltered rocky habitat that were previously sampled as part of the Coastal Habitat Injury Assessment. In addition, sampling will be conducted at representative sites sampled by the NOAA Hazmat team. These data, along with those previously collected during the Coastal Habitat and NOAA Hazmat programs, will be evaluated to assess the status of recovery.

Chief Scientist's Recommendation

This proposal will conduct a study to determine the comparability of data collected by the National Oceanographic and Atmospheric Administration (NOAA) Hazmat program and the Coastal Habitat Injury Assessment program (primarily Project CH1A) using two different sampling designs. An additional objective of this project is to identify methods for cost-effective sampling for long-term change in intertidal communities. Fund.

Trustee Council Action

Fund revised proposal for FY 00 only. The revised proposal focuses on a study to determine the comparability of data collected previously and identification of methods for long-term monitoring of intertidal communities.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Joanne F. Jellett, Ph.D.
Jellett Biotek
POB 790
Dartmouth, Nova Scotia B2Y 3Z7 CANADA

RE: Project 00482-BAA / Optimization of Rapid Diagnostic Test Kits for Paralytic Shellfish Poisoning and Amnesic Shellfish Poisoning

Dear Dr. Jellett:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $55,600 for Project 00482/Optimization of Rapid Diagnostic Test Kits for Paralytic Shellfish Poisoning and Amnesic Shellfish Poisoning. This includes $52,000 in contractual funds for you, and $3,600 for NOAA's administrative costs. A copy of the Council's action on your project is enclosed.

Before a project may begin, NOAA must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. NOAA must also execute a contract or Reimbursable Services Agreement with you. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting NEPA compliance, or in executing a contract, will delay start of the project. For more information, please contact the NOAA representative:

Bruce Wright
National Oceanic and Atmospheric Administration
11305 Glacier Highway, Auke Bay, Alaska 99821
Phone 907-789-6600/Fax 907-789-6608

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison
Sharon Kent, NOAA Contracting

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TRUS E COUNCIL ACTION (8/9/99) / FY 00 WORK .AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00482-BAA	Optimization of Rapid Diagnostic Test Kits for Paralytic Shellfish Poisoning and Amnesic Shellfish Poisoning	J. Jellett/Jellett Biotek Limited	NOAA	New 1st yr. 1 yr. project	$55.6	$0.0	$0.0	$0.0	$55.6

Project Abstract

This project will optimize rapid screening tests to detect two marine biotoxins that affect the Alaskan shellfishery, amnesic shellfish poisoning (ASP) and paralytic shellfish poisoning (PSP). The tests will be optimized for subsistence harvest areas in the Kodiak Island area. ASP and PSP can cause sickness and even death in individuals who consume contaminated shellfish. With a reliable field testing method, coastal communities and shellfisheries will be able to ensure shellfish is safe to eat before harvesting. This will lead to safer subsistence harvesting of shellfish, which can replace the lost or decreased availability of injured resources such as harbor seals, sea lions, herring and ducks. In an attempt to make the rapid tests as simple as possible for beach monitoring, the tests will be optimized and validated to work without an acid extraction process, permitting raw shellfish tissues to be tested.

Chief Scientist's Recommendation

This project will optimize a test kit for determining PSP (paralytic shellfish poisoning) and ASP (amnesic shellfish poisoning) content of bivalves in the Kodiak Island area. Objectives include analysis of sets of split samples for the mouse bioassay now used in testing and the new test kit. There is excellent community involvement proposed for this project. Fund.

Trustee Council Action

Fund. The revised proposal limits the Trustee Council's contribution during the development phase of the test kit to optimization for the spectrum of Alaskan toxins present in shellfish at key subsistence harvest locations on Kodiak Island. Once the test kit is fully optimized to the toxicity profile in Alaskan waters, the Council may consider funding (in FY 01 or 02) for field trials with Kodiak subsistence users to prove the efficacy of the test kit in a beach monitoring application compared to currently accepted testing methods. The test kit being developed is a rapid screening test for PSP (paralytic shellfish poisoning) and ASP (amnesic shellfish poisoning) in shellfish. The test would be administered and read by shellfish consumers during harvesting, and is intended to increase subsistence users' confidence that resources injured by the oil spill, or other replacement subsistence resources, are safe to eat.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Charles Falkenberg, Ph.D.
ECOlogic Corp
19 Eye Street, NW
Washington , DC 20001

RE: Project 00455-BAA / An Evaluation of the Data System for the EVOS Long-Term Monitoring Program

Dear Dr. Falkenberg:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $89,000 for Project 00455/An Evaluation of the Data System for the EVOS Long-Term Monitoring Program. This includes $83,200 in direct project funds and $5,800 in NOAA administrative costs. A copy of the Council's action on your project is enclosed. Please note that FY 00 is expected to be the only year of Council contribution to this project.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. NOAA must also execute a contract or Reimbursable Services Agreement with you. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting NEPA compliance, or in executing a contract, will delay start of the project. For more information, please contact the NOAA representative:

Bruce Wright
National Oceanic and Atmospheric Administration
11305 Glacier Highway, Auke Bay, Alaska 99821
Phone 907-789-6600/Fax 907-789-6608

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison
Sharon Kent, NOAA Contracting

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TRUS E COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00455-BAA	An Evaluation of the Data System for the EVOS Long-Term Monitoring Program	C. Falkenberg/Ecologic Corp.	NOAA	New 1st yr. 1 yr. project	$89.0	$0.0	$0.0	$0.0	$89.0

Project Abstract

This project will report on the data system issues related to GEM (Gulf Ecosystem Monitoring), the Trustee Council's long-term monitoring and research program. In addition to the data collection effort, data delivery will prove to be a critical component of the success of GEM. Therefore, the data system issues need to be part of the planning process. This project will outline some of the key data and user issues and produce a report analyzing existing systems that deliver similar data. In addition, strawman proposals will be developed for a range of data systems that could meet the needs of the GEM program.

Chief Scientist's Recommendation

This is a timely proposal to examine the potential options for data and information management for GEM (Gulf Ecosystem Monitoring, the Trustee Council's long-term research and monitoring program, which is currently under development) and addresses a critical need for planning. The fast pace of technological development in this discipline requires a careful assessment of options, and the "strawman" proposals to be generated by this project would be quite useful. The proposal recognizes that the data to be collected by GEM is unlikely to be unique, and many existing applications -- for example, from NODC (National Ocean Data Center), GLOBEC (U.S. Global Ocean Ecosystem Dynamics), and OCSEAP (Outer Continental Shelf Environmental Assessment Program) -- could be cost-effective alternatives for GEM to explore. It would be valuable to include some assessment of existing EVOS data systems and the migration of these systems toward what is proposed by this project, as it is likely that any GEM database will want to include certain existing data sets. Fund.

Trustee Council Action

Fund revised proposal, which adds as an objective assessing existing EVOS data systems and the migration of these systems toward the data system proposed by this project. This project is designed to ensure that data collected through the Trustee Council's long-term research and monitoring program (currently under development as GEM, Gulf Ecosystem Monitoring) is accessible to the widest number of users and applications. The project will investigate the issues related to the creation of a data delivery system for GEM and develop strawman proposals for a data system. This project was submitted under the Trustee Council's Broad Agency Announcement and will therefore be administered by the National Oceanic and Atmospheric Administration. However, the work of the principal investigator will be directed by the Council's Executive Director working with the Chief Scientist and an advisory group of experienced data managers to be named by the Executive Director.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Wes Bucher
ADF&G/CFMD
3298 Douglas Street
Homer, Alaska 99603

RE: Project 00139A2 / Port Dick Tributary Restoration and Development

Dear Mr. ~~Bucher~~ Wes:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $46,600 for Project 00139A2/Port Dick Tributary Restoration and Development. This includes $43,000 in direct project funds and $3,600 in ADFG administrative costs. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The future year's funding projection for your project (including agency administrative costs) is $10,000; this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison
Geoff Coble, Coble Geophysical Services

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TRUS E COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00139A2	Port Dick Creek Tributary Restoration and Development	W. Bucher/ADFG	ADFG	Cont'd 5th yr. 6 yr. project	$46.6	$0.0	$10.0	$0.0	$56.6

Project Abstract

Because Port Dick Creek experienced declines in total returns since 1987, the Alaska Department of Fish and Game conducted a five-year feasibility analysis and initiated Trustee Council funded efforts to restore spawning habitat in two former tributaries taken out of production by the 1964 Alaska earthquake. Approximately 3,000 cubic meters of material was excavated from both tributaries, and since 1996 over 3,300 pink and chum salmon have colonized and spawned in the new habitat. To date, spawning adults of both species potentially deposited over 5,000,000 eggs with over 458,000 fry estimated emerging from the tributaries. In FY 00 additional sedimentologic parameters (bedload transport, accumulated sediments and gravel/cobble transport rates) will be further evaluated to support the stability analyses of the project.

Chief Scientist's Recommendation

This proposal is for a final year of basic monitoring of a very successful stream-bed restoration project at Port Dick Creek. This monitoring should be carried out and a manuscript prepared summarizing the results. Fund.

Trustee Council Action

Fund. FY 00 will fund one additional year of streambed stability monitoring of habitat improvements made to Port Dick Creek and preparation of a manuscript for publication in a peer reviewed journal. The habitat improvements were designed to increase available spawning habitat and thus provide additional pink and chum salmon for commercial harvest as a replacement for salmon lost in the oil spill. The final report on this project will be prepared in FY 01.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Geoffrey Coble
Coble Geotechnical Services
POB 1637
Homer, Alaska 99603-1637

RE: Project 00539-BAA / Port Dick Spawning Channel Information Transfer to Resource Managers and Manuscript Preparation
Project 00540-BAA / Port Dick Spawning Channel Long Term Sediment Monitoring

Dear Mr. Coble:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund projects 00539/Port Dick Spawning Channel Information Transfer to Resource Managers and Manuscript Preparation and 00540/Port Dick Spawning Channel Long Term Sediment Monitoring. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your projects is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison
Sharon Kent, NOAA Contracting

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00539-BAA	Port Dick Spawning Channel Information Transfer to Resource Managers and Manuscript Preparation	G. Coble/Coble Geophysical	NOAA	New 1st yr. 1 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

The Port Dick Creek spawning channel data set (Project /139A2) is generalized to refine design criteria for future gravel-bedded spawning channel restoration projects. This includes groundwater-surface water interaction modeling to define channel designs that maximize spawning area at times of minimum discharge. Numerical analyses also address infrequent maximum discharge events and their effects on gravel bedload transport rates, scour and deposition patterns in the spawning channels, and the effects of stream morphology on overall spawning channel area. The minimum and type of field data to support new rehabilitation projects is defined. Transition to long term monitoring of the Port Dick Creek restoration project is the subject of Project 00540.

Chief Scientist's Recommendation

The restoration work at Port Dick Creek (Project /139A2) has been very successful, and there probably is value in having a "how to" manual that applies to restoration of other uplifted streambeds. However, this is an expensive manual and with respect to EVOS restoration objectives, it is not clear whether much more work along these lines is anticipated. Further, there would seem to be alternative sources of funding for such a manual. Do not fund.

Trustee Council Action

Do not fund. This project would prepare a manual describing what was learned in the rehabilitation of Port Dick Creek (Project /139A2). This would be an expensive manual with little direct application to current restoration strategies.

TRUS E COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00540-BAA	Port Dick Spawning Channel Long Term Sediment Transport Monitoring	G. Coble/Coble Geophysical	NOAA	New 1st yr. 3 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will define spawning channel rehabilitation design criteria of the Port Dick Creek salmon restoration (Project /139A2) through aerial photogrammetry. This project continues the long-term stream stability monitoring program through a reduced program of long term sediment transport and streambed stability monitoring. Stream discharge attains infrequent threshold values due to the large size of the spawning gravel. The continued long term data collection program is necessary in order to evaluate long term effectiveness of spawning channel restoration and to refine the minimum and type of field data necessary to support new rehabilitation projects. The continued monitoring will produce manuscripts for publication and information transfer documents.

Chief Scientist's Recommendation

This project would initiate long-term monitoring of the streambed improvements at Port Dick Creek. Before consideration should be given to commitments for additional monitoring, the current Port Dick work in Project \139A2 should be completed. Do not fund.

Trustee Council Action

Do not fund. This project would continue the streambed stability monitoring on Port Dick Creek currently underway in Project /139A2. Funding for such monitoring in FY 00 is already recommended under Project 00139A2. Longer term monitoring beyond FY 00 may be considered once the current work is completed and reviewed.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Mandy Lindeberg
NMFS Auke Bay Lab
11305 Glacier Highway
Juneau, Alaska 99801-8626

RE: Project 00592 / A Taxonomic Synthesis of Intertidal Algae for Prince William Sound

Dear Ms. Lindeberg:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00592/A Taxonomic Synthesis of Intertidal Algae for Prince William Sound. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00592	A Taxonomic Synthesis of Intertidal Algae for Prince William Sound	M. Lindeberg/NOAA	NOAA	New 1st yr. 2 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

Intertidal communities are among the resources that have not fully recovered from the oil spill. Intertidal algae is an important component of the coastal habitat and a resource for subsistence and commercial harvests. The spill offered a unique opportunity for researchers to collect algal specimens over a large and remote coastal area previously unexplored by scientists. This project will synthesize the taxonomic and technical information gained by these researchers into a field guide on intertidal algae of Prince William Sound. An interactive CD-ROM with world wide web capabilities will supplement the field guide. This project will also produce a Restoration Notebook Series publication on algae.

Chief Scientist's Recommendation

There is merit in the proposal to compile and disseminate information regarding seaweed biodiversity in the spill region. The significant algal biodiversity discovered through the restoration program is knowledge that would be of great interest to marine scientists around the world. It does not seem to be a high priority, however, when considered in the context of restoration objectives. Do not fund.

Trustee Council Action

Do not fund. This project, which would develop a taxonomic and technical field guide on the intertidal algae of Prince William Sound, does not directly address the Trustee Council's restoration objectives and is not a high priority for funding. The algal biodiversity discovered by the restoration program (primarily Project CH1A) is valuable, however, and the proposer may want to consider making the project database publicly available.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Charles E. O'Clair, Ph.D.
Auke Bay Wildlife Laboratory
11305 Glacier Highway
Juneau, Alaska 99801-8626

Mandy Lindeberg
NMFS Auke Bay Lab
11305 Glacier Highway
Juneau, Alaska 99801-8626

RE: Project 00591 / Publication: Population Structure, Growth, Mortality and Production of Mussels in Prince William Sound

Dear Dr. O'Clair and Ms. Lindeberg:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00591/Publication: Population Structure, Growth, Mortality and Production of Mussels in Prince William Sound. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00591	Publication: Population Structure, Growth, Mortality and Production of Mussels in Prince William Sound	C. O'Clair, M. Lindeberg/NOAA	NOAA	New 1st yr. 1 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will publish three papers on population structure, growth, mortality and production in the mussel, *Mytilus trossulus*, in western Prince William Sound. These papers will summarize some of the results of the Nearshore Vertebrate Predator Project (/025) in which data collection, processing and the bulk of data analysis were completed. Three additional papers have been proposed in Project 00025 as appendices to the final report.

Chief Scientist's Recommendation

In this project, the principal investigators have proposed three papers for publication that do not appear as relevant to recovery objectives as the three papers they have proposed as part of Project 00025. Given the large workload represented by six peer reviewed manuscripts, I recommend funding the work in Project 00025 instead. Do not fund.

Trustee Council Action

Do not fund based on Chief Scientist's recommendation. The three mussel manuscripts proposed by these same principal investigators in Project 00025 are a higher priority and are recommended for funding.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Mark G. Carls
NMFS Auke Bay Laboratory
11305 Glacier Highway
Juneau, Alaska 99801-8626

RE: Project 00590 / Publication: Cytochrome P4501A Induction, Hydrocarbon Bioaccumulation and Composition, and Growth of Pink Salmon Fry

Dear Mr. Carls:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00590/Publication: Cytochrome P4501A Induction, Hydrocarbon Bioaccumulation and Composition, and Growth of Pink Salmon Fry. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00590	Publication: Cytochrome P4501A Induction, Hydrocarbon Bioaccumulation and Composition, and Growth of Pink Salmon Fry	M. Carls/NOAA	NOAA	New 1st yr. 1 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will complete a manuscript that combines previously unpublished data with a synthesis of earlier papers concerning juvenile pink salmon and the oil spill. Evidence of growth inhibition in Prince William Sound fry exposed to oil is disputed by industry, who suggest exposure concentrations were well below levels known to cause acute or chronic growth effects. This paper will extend the results with previously unreported P4501A induction and PAH accumulation in laboratory fish, and compare these parameters plus growth to the same measures in Prince William Sound in 1989.

Chief Scientist's Recommendation

This project would analyze and incorporate into a peer-reviewed publication previously unavailable data on accumulation of PAH by pink salmon in laboratory experiments. The proposed manuscript is not crucial to the development of the pink salmon toxicological synthesis. Do not fund.

Trustee Council Action

Do not fund. This project, which would prepare a manuscript on oil exposure and pink salmon growth for publication in the peer reviewed literature, is not critical to developing the synthesis of information on the long-term damage to pink salmon of the toxic effects of oil.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Mike Castellini, Ph.D.
Alaska SeaLife Center
POB 1329
Seward, Alaska 99664

RE: Project 00341 / Harbor Seal Recovery: Controlled Studies of Health and Diet

Dear Dr. Castellini:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $216,100 for Project 00341, Harbor Seal Recovery, Phase II: Controlled Studies of Health and Diet. This includes $113,300 in direct project funds, $94,900 in bench fees at the Alaska SeaLife Center, and $7,900 in ADFG administrative costs. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The funding projection for your project (including agency administrative costs) is $90,100 for FY 01; this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG

mm/raw

TRUS E COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00341	Harbor Seal Recovery: Controlled Studies of Health and Diet	M. Castellini/UAF	ADFG	Cont'd 3rd yr. 4 yr. project	$216.1	$0.0	$90.1	$0.0	$306.2

Project Abstract

This project will continue a long-term study currently underway at the Alaska SeaLife Center to quantify the impact of specific fish diets on the health and body condition of harbor seals. Even though health status biomarkers for marine mammals in Prince William Sound were established during field trials (Project /001), the critical test of how markers vary in an individual as a result of eating specific prey has not been conducted. The project will also establish whether specific diets are nutritionally adequate to maintain seal health by monitoring health parameters and measuring assimilation efficiency during feeding trials. While this project will focus on harbor seal health, the approach is applicable to other injured top predators.

Chief Scientist's Recommendation

This work will reveal the relative nutritional importance of representative forage fish species for harbor seals in order to better understand what periodic changes in forage fish populations may do to these species. The project appears to be on track for achieving its objectives. Fund.

Trustee Council Action

Fund. This project is investigating the effect of diet on the health and body condition of harbor seals under controlled conditions at the Alaska SeaLife Center. The results of this study will enable scientists to test the validity of results from field tests. [NOTE: Funding includes $94.9 for Alaska SeaLife Center bench fees.]

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Shari L Vaughan, Ph.D.
Prince William Sound Science Center
POB 705
Cordova, Alaska 99574

RE: Project 00552-BAA / Exchange Between Prince William Sound and the Gulf of Alaska

Dear Dr. Vaughan:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $114,400 for Project 00552/Exchange Between Prince William Sound and the Gulf of Alaska. This includes $106,900 in direct project funds and $7,500 in NOAA's administrative costs. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The future years' funding projection for your project (including agency administrative costs) is $107,600 in FY 01 and $95,900 in FY 02; this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison
Sharon Kent, NOAA Contracting

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TRUS E COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00552-BAA	Exchange Between Prince William Sound and the Gulf of Alaska	S. Vaughn/PWSSC	NOAA	New 1st yr. 3 yr. project	$114.4	$0.0	$107.6	$95.9	$317.9

Project Abstract

One of the least understood physical processes that influence the biological components of Prince William Sound is the exchange between the northern Gulf of Alaska and Prince William Sound. This project will document the interannual variability in water mass exchange between Prince William Sound and the adjacent northern Gulf of Alaska at Hinchinbrook Entrance, and identify mechanisms governing this exchange. The project will deploy an upward looking ADCP mooring in Hinchinbrook Entrance to create time series of velocities over the next three years. The mooring will be equipped with a CTD to create a time series of deep temperature and salinity. To identify the dominant factors that govern Prince William Sound/Gulf of Alaska exchange, the mooring velocity and deep temperature/salinity time series will be combined with additional data types collected under other research programs already in progress.

Chief Scientist's Recommendation

The information on oceanographic exchange between Prince William Sound and the Gulf of Alaska that this project would provide is important to development and implementation of a long-term monitoring program and should be funded. The proposal includes a single mooring. A second mooring would provide a wealth of additional and complementary information and the proposer is encouraged to seek other sources of funds for a second mooring. Fund.

Trustee Council Action

Fund revised proposal, which provides a conceptual framework to support the data to be gathered and the interpretation of those data, as well as more details on methods and location. This project responds to the *FY 00 Invitation*, which invited proposals to sustain data gathering and analysis from the Hinchinbrook Entrance buoy. This information is important to development and implementation of the Trustee Council's long term research and monitoring program (GEM, Gulf Ecosystem Monitoring).

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

A.J. Paul, Ph.D.
IMS Seward Marine Center
University of Alaska Fairbanks
POB 730
Seward, Alaska 99664-1197

RE: Project 00451 / Influence of Exogenous Zooplankton Assemblages on Juvenile Herring

Dear ~~Dr. Paul~~ A.J.:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00451/Influence of Exogenous Zooplankton Assemblages on Juvenile Herring. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00451	Influence of Exogenous Zooplankton Assemblages on Juvenile Herring	A. J. Paul/UAF	ADFG	New 1st yr. 1 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

Previous Trustee Council projects noted the importance of the nearshore environment for juvenile Pacific herring nurseries. Studies have found that Gulf of Alaska derived carbon may be transported into Prince William Sound neritic environments. The zooplankton community in central Prince William Sound and in herring nursery bays has been described. Stable isotope analyses showed that Gulf of Alaska carbon influences Prince William Sound food webs. The importance of central Prince William Sound and Gulf of Alaska zooplankton to the neritic nursery areas and diets of juvenile herring has not been studied. This project will analyze zooplankton composition with respect to physical measurements from archived samples collected in neritic and central Prince William Sound from the spring of 1996 and 1997.

Chief Scientist's Recommendation

This is a reasonable proposal from a productive investigator. However, if this work were to be considered for funding, it would need to be within a more comprehensive framework that includes tests of the several different herring hypotheses and incorporation into an age-structure/population model. Since this project involves use of existing physical data and archived samples, it can, if desired, be carried out at a later date. The principal investigator should attend a herring synthesis workshop tentatively planned for Fall 1999. Do not fund.

Trustee Council Action

Do not fund. The Chief Scientist has raised significant concerns about the scope and scientific design of the project. However, the principal investigator should attend a herring synthesis workshop tentatively planned for Fall 1999.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Kathryn J. Frost
Division of Wildlife Conservation
Alaska Department of Fish & Game
1300 College Road
Fairbanks, Alaska 99701-1559

RE: Project 00064-CLO / Monitoring, Habitat Use, and Trophic Interactions of Harbor Seals in Prince William Sound
Project 00564 / Monitoring Condition and Diet in Pup and Subadult Harbor Seals in Prince William Sound

Dear ~~Ms. Frost:~~ Kathy,

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $129,400 for Project 00064/Monitoring, Habitat Use, and Trophic Interactions of Harbor Seals in Prince William Sound. This includes $116,400 in direct project funds and $13,000 in ADFG administrative costs. A copy of the Council's action on Project 00064 is enclosed. Please note that FY 00 is expected to be the final year of Trustee Council contribution to this project.

As you know, the Chief Scientist and I both recommended that the Trustee Council not fund Project 00564/Monitoring Condition and Diet in Pup and Subadult Harbor Seals in Prince William Sound. The Council accepted this recommendation. A copy of the Council's action on the project is enclosed.

Before Project 00064 may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosures

cc: Claudia Slater, ADFG

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TRUS[illegible] COUNCIL ACTION (8/9/99) / FY 00 WORK [illegible]AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00064-CLO	Monitoring, Habitat Use, and Trophic Interactions of Harbor Seals in Prince William Sound	K. Frost/ADFG	ADFG	Cont'd 6th yr. 6 yr. project	$129.4	$0.0	$0.0	$0.0	$129.4

Project Abstract

This project is the final year of an effort to monitor the status of harbor seals in Prince William Sound and investigate the hypothesis that food limitation to pups and juveniles has caused the ongoing decline. Aerial surveys will be conducted during molting to determine whether the population continues to decline, stabilizes, or increases. Trend analysis using Bayesian statistics will be completed and a manuscript submitted for publication. No additional field work other than the aerial surveys will be conducted. Fatty acids analysis will be conducted on blubber samples collected during Summer 1999, and development of mathematical models will be continued to estimate seal diets and whether they have changed both within the 1990s and since the 1970s.

Chief Scientist's Recommendation

The majority of the remaining work to close out this project will be data analysis and manuscript preparation. Continued monitoring beyond FY 00 may be appropriate under a new project. Fund.

Trustee Council Action

Fund. This project has found that the decline in harbor seal populations has slowed in recent years and the Prince William Sound harbor seal population may be stabilizing. Project reports will help explain the decline in harbor seals in Prince William Sound and document recent trends. Study results will help resource managers, subsistence users and others focus their efforts to protect harbor seal populations on the most probable causes of the decline.

TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00564	Monitoring Condition and Diet in Pup and Subadult Harbor Seals in Prince William Sound	K. Frost/ADFG	ADFG	New 1st yr. 3 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project (as revised) will monitor the diet and body condition of pup, yearling, and subadult harbor seals, the age classes most likely to be limited by food availability. Field studies will be conducted in FY 00 and FY 01, which together with 1997-99 data will provide a five-year data set for analysis. The project will evaluate whether size and body fat at weaning impact condition as yearlings, and will also evaluate female diets during lactation relative to the size and condition of pups at weaning. Information on body condition of pups and yearlings will be used to assess the status of Prince William Sound harbor seals relative to carrying capacity, and to evaluate whether it is realistic to expect the population to return to its prior level of abundance.

Chief Scientist's Recommendation

The revised proposal would monitor body condition, feeding, and related measures in pup, yearling, and subadult harbor seals in Prince William Sound in order to determine how the changing environment affects their recovery. This is a good proposal with very experienced investigators. However, the priority in FY 00 should be to conclude past harbor seal work and publish the results in the peer reviewed literature. The work proposed here should be reconsidered in FY 01 if it is resubmitted and if it provides a potential link to long-term monitoring and research in the Gulf of Alaska. Do not fund.

Trustee Council Action

Do not fund. The priority in FY 00 should be to conclude and publish more findings from this principal investigator's ongoing work (Project /064).

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Paul Anderson
NMFS Kodiak Lab
POB 1638
Kodiak, Alaska 99615

RE: Project 00493 / Statistically-Based Sampling Strategies for Gulf of Alaska Ecosystem Trawl Survey Monitoring

Dear Mr. Anderson:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $34,500 for Project 00493/Statistically-Based Sampling Strategies for Gulf of Alaska Ecosystem Trawl Survey Monitoring. This includes $32,000 in direct project funds and $2,500 in NOAA administrative costs. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00493	Statistically-Based Sampling Strategies for Gulf of Alaska Ecosystem Trawl Survey Monitoring	P. Anderson/NOAA	NOAA	New 1st yr. 1 yr. project	$34.5	$0.0	$0.0	$0.0	$34.5

Project Abstract

This project is an integrated study of mechanisms controlling changes in community structure in the Gulf of Alaska ecosystem. The major goal for this fiscal year is to review the existing Gulf of Alaska small-mesh trawl survey database and develop a statistically based and cost-effective strategy for long-term sampling and future monitoring. It is anticipated that any developed sampling scheme or strategy will then be employed in future monitoring survey designs. Proper and consistent sampling should lead to a more comprehensive understanding of biological-physical coupling and dynamics of the Gulf of Alaska ecosystem.

Chief Scientist's Recommendation

This project will analyze the large amount of data available from small-mesh trawl surveys on the northern Gulf of Alaska shelf in order to determine an optimal sampling program for detecting ecosystem change into the future. Fund.

Trustee Council Action

Fund revised proposal, which limits FY 00 tasks to review of existing trawl data and development of a long-term sampling strategy. The other concepts contained in the original proposal (sampling of megafauna and phyto- and zooplankton) may have a role in the Trustee Council's long-term research and monitoring program (currently under development as GEM, Gulf Ecosystem Monitoring). However, these concepts are premature until GEM is further developed.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Charles W. Totemoff, President & CEO
Chenega Corporation
4000 Old Seward Highway, Suite 101
Anchorage, Alaska 99503

RE: Project 00473 / Public Information Brochure on Lands Acquired by the Trustee Council from Chenega Corporation

Dear Mr. Totemoff:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00473/Public Information Brochure on Lands Acquired by the Trustee Council from Chenega Corporation. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Ken Holbrook, USFS Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00473	Public Information Brochure on Lands Acquired by the Trustee Council from Chenega Corporation	C. Totemoff/Chenega Corp.	USFS	New 1st yr. 1 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will assist the Chenega Corporation in providing the public with maps and information on the rights and restrictions that have resulted from the acquisition of Chenega Corporation lands by the Trustee Council. Lands and easements acquired by the Council and now managed by the state and federal governments are available to the public for use for recreation, hunting and fishing. With this access comes the need for the public to know where and what they can do on these lands. The information will be in the form of a brochure that is available from the corporation and management agencies, primarily the Alaska Department of Natural Resources and the U.S. Forest Service.

Chief Scientist's Recommendation

This proposal seeks partial support from the Trustee Council for an information brochure advising recreational users and others what can be done on lands acquired from the Chenega Corporation and where those lands are. This may be a worthwhile idea, but in other land acquisitions, the Council has had no post-acquisition role, leaving such responsibilities to the land managing agencies. Do not fund unless the Trustee Council makes a policy decision that it wants to support this kind of effort.

Trustee Council Action

Do not fund. Lands and easements acquired from the Chenega Corporation have been transferred to the U.S. Forest Service and the Alaska Department of Natural Resources, which are responsible for providing information about allowable uses and applicable restrictions. Usually this is accomplished through public information offices, visitor centers, or land information systems. Such management costs are the responsibility of the new land managers.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Gail Irvine, Ph.D.
USGS-BRD
1011 East Tudor Road
Anchorage, Alaska 99503

RE: Project 00459-CLO / Residual Oiling of Armored Beaches and Mussel Beds in the Gulf of Alaska

Dear Dr. Irvine:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $40,000 for Project 00459/Residual Oiling of Armored Beaches and Mussel Beds in the Gulf of Alaska. This includes $36,100 in direct project funds and $3,900 in agency administrative costs. A copy of the Council's action on your project is enclosed. Please note funding is for project close-out (final report and manuscript preparation) only.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Dede Bohn, DOI-USGS Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00459-CLO	Residual Oiling of Armored Beaches and Mussel Beds in the Gulf of Alaska	G. Irvine/USGS-BRD	DOI	Cont'd 2nd yr. 2 yr. project	$40.0	$0.0	$0.0	$0.0	$40.0

Project Abstract	Chief Scientist's Recommendation	Trustee Council Action
During FY 00, this project will focus on data and hydrocarbon analyses, preparation of the final report, and preparation and submittal of two manuscripts. Funding is requested for presentation of study results at a professional meeting. In FY 99, boulder-armored beach sites and several oiled mussel beds in the Gulf of Alaska are being resampled to determine whether oil persists.	This project is completing a revisitation of oiled sites on the Katmai Coast and will provide valuable information on the persistence of oil in the Gulf of Alaska environment. The proposed paper in FY 01 is not as compelling as the work in FY 00; the project should be closed out in FY 00.	Fund FY 00 only. This project is monitoring the persistence of oil at sites previously monitored in FY 94 along the coasts of Kenai Fjords and Katmai national parks and will provide important status information ten years after the spill. FY 00 will consist of preparation of the final report and a manuscript for publication in the peer review literature.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Ronald A Heintz
NMFS Auke Bay Lab
11305 Glacier Highway
Juneau, Alaska 99801-8626

RE: Project 00347-CLO / Fatty Acid Profile and Lipid Class Analysis for Estimating Diet Composition and Quality at Different Trophic Levels
Project 00476 / Effects of Oiled Incubation Substrate on Pink Salmon Reproduction

Dear Mr. ~~Heintz~~ Ron:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved the following funding:

- $35,500 for Project 00347/Fatty Acid Profile and Lipid Class Analysis for Estimating Diet Composition and Quality at Different Trophic Levels. This includes $31,400 in direct project funds and $4,100 in NOAA administrative costs. Please note that FY 00 is expected to be the final year of Council contribution to this project.
- $74,800 for Project 00476/Effects of Oiled Incubation Substrate on Pink Salmon Reproduction. This includes $69,300 in direct project funds and $5,500 in NOAA administrative costs. The future years' funding projection for your project (including agency administrative costs) is $36,000 for FY 01; this will be reviewed again next year. Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay

start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. A copy of the Council's action on your projects is enclosed. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosures

cc: Bruce Wright, NOAA Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00347-CLO	Fatty Acid Profile and Lipid Class Analysis for Estimating Diet Composition and Quality at Different Trophic Levels	R. Heintz/NOAA	NOAA	Cont'd 3rd yr. 3 yr. project	$35.5	$0.0	$0.0	$0.0	$35.5

Project Abstract

This is the closeout for the project which began the systematic development of fatty acid profiles and lipid class analysis to identify diet differences and quality in forage fish and their prey. Specifically, the spatial and temporal variability of fatty acid profiles in herring, sand lance, and zooplankton was examined and related to the nutritional condition of these forage fish. In FY 98, the spatial comparisons, which provided insight into the energetic differences in forage fish in disparate parts of Prince William Sound, were conducted. In FY 99, temporal comparisons which will provide information on the energetic changes that inevitably occur with seasonal, ontogenetic, and reproductive changes will be conducted. All these comparisons are based on samples collected by APEX (Project /163) investigators. In FY 00, closeout will entail a statistical analysis and report on the spatial, temporal, and ontogenetic variation of data.

Chief Scientist's Recommendation

This is an appropriate approach to closing out this interesting project, which began the systematic development of fatty acid profiles and lipid class analysis to identify diet differences and quality in forage fish and their prey. Fund.

Trustee Council Action

Fund closeout of this project, which is extending work on fatty acids as a tool to identify the diets of seabirds and marine mammals. These data will help evaluate whether the availability and quality of prey are limiting recovery of several injured species.

TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00476	Effects of Oiled Incubation Substrate on Pink Salmon Reproduction	R. Heintz/NOAA	NOAA	Cont'd 2nd yr. 3 yr. project	$74.8	$0.0	$36.0	$0.0	$110.8

Project Abstract

This project will examine the effects of oil exposure during embryonic development on the gamete viability of pink salmon that survive to spawn. The objective is to determine if exposure to oil during incubation could explain the reduced gamete viability reported for pink salmon in Prince William Sound under Project /191A. In that project, gametes taken from pink salmon returning to oiled streams had higher mortality rates than gametes taken from salmon in unoiled streams. These data suggest a dramatic effect of oil on vertebrate reproduction that has not previously been described. The plausibility of reduced gamete viability is indicated by the effects demonstrated by Project /191B, which include reduced marine survival and growth of returning adults. However, this effect still requires unequivocal demonstration. During FY 99, fry were exposed, marked and released. During FY 00, adults will be recovered and their gametes crossed to demonstrate their viability. In FY 01, estimates of viability will be obtained and used to complete a model of life cycle effects resulting from incubation of eggs in oiled gravel.

Chief Scientist's Recommendation

This proposal is for an ongoing project to test the impact of incubation in oiled substrate on reproductive success in pink salmon. Fund.

Trustee Council Action

Fund revised proposal, which deletes the contract for quantitative genetic analysis. This project is validating the effects of oil contamination on pink salmon, thus contributing to our understanding of the injury and recovery status of this injured species.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Patty Brown-Schwalenberg, Executive Director
Chugach Regional Resources Commission
4201 Tudor Centre Drive, Suite 300
Anchorage, Alaska 99508

RE: Project 00052 / Community Involvement & Traditional Ecological Knowledge
Project 00610 / Kodiak Island Youth Area Watch

Dear Ms. Brown-Schwalenberg: Patty

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved the following funding:

- $201,500 for Project 00052/Community Involvement & Traditional Ecological Knowledge. This includes $188,300 in direct project funds and $13,200 in ADFG administrative costs. The future years' funding projection for your project (including agency administrative costs) is $200,000 in FY 01 and $180,000 in FY 02; this will be reviewed on an annual basis.
- $61,800 for Project 00610/Kodiak Island Youth Area Watch. This includes $57,800 in direct project funds and $4,000 in ADFG administrative costs. The future years' funding projection for your project (including agency administrative costs) is $61,800 in FY 01 and $61,800 in FY 02; this will be reviewed on an annual basis.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year. A copy of the Council's action on your projects is enclosed.

Sincerely,

Molly McCammon
Executive Director

Enclosures

cc: Claudia Slater, ADFG Liaison

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TRUST[illegible] COUNCIL ACTION (8/9/99) / FY 00 WORK [illegible]AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00052	Community Involvement/Traditional Ecological Knowledge	P. Brown- Schwalenberg/CRRC	ADFG	Cont'd 6th yr. 8 yr. project	$201.5	$0.0	$200.0	$180.0	$581.5

Project Abstract

In FY 00, the Spill Area-Wide Coordinator will continue to actively involve residents of Tatitlek, Chenega Bay, Port Graham, Nanwalek, Cordova/Eyak, Seward, Seldovia, Valdez, Kodiak/Ouzinkie, and Chignik Lake in the restoration program through direct communication with a network of local facilitators. In addition, the project will initiate the process of integrating the duties of the Community Facilitators into the Tribal Natural Resource Management Program. The Chugach Regional Resources Commission will work with five pilot communities (Eyak, Tatitlek, Ouzinkie, Port Graham, and Nanwalek) to initiate a stewardship program that will assist in the recovery of injured resources and services. This will be accomplished through two workshops, one involving Natural Resource Specialists from tribal organizations in Alaska and the nation and the other involving the Community Facilitators, Natural Resource specialists, EVOS researchers, and Trustee Council staff.

Chief Scientist's Recommendation

This project involves subsistence users in the restoration program. The proposed integration of the EVOS Community Facilitators into tribal natural resource programs is also highly desirable. This proposal is well prepared and ambitious, and project personnel are strong. Last year future funding of this project was to be dependent on review of FY 99 results. The project has shown increased accountability in FY 99. Fund.

Trustee Council Action

Fund. This project, which in FY 00 would merge the objectives of projects /052A (Community Involvement) and /052B (Traditional Ecological Knowledge), addresses the Trustee Council's goal of facilitating communication among the Council, scientists, and residents of the spill area. In FY 00, objectives related to long-term stewardship of resources are added, with an emphasis in five pilot communities (Tatitlek, Port Graham, Kodiak/Ouzinkie, Nanwalek, Cordova/Eyak) on integrating the duties of the Community Facilitator with the functions of the villages' Natural Resource Specialists. These new objectives are designed with the Trustee Council's long-term research and monitoring program in mind.

TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00610	Kodiak Island Youth Area Watch	P. Brown-Schwalenberg/CRRC	ADFG	New 1st yr. 3 yr. project	$61.8	$0.0	$61.8	$61.8	$185.4

Project Abstract

In FY 99, Chugach Regional Resources Commission collaborated with the Kodiak Island Borough School District to institute an internship program within the Community Involvement Project (/052A), involving one student from each of the following communities: Akhiok, Larsen Bay, Old Harbor, Port Lions, Kodiak and Karluk. This project will expand the involvement and objectives of the internship program by collaborating with four research projects on Kodiak Island: ongoing Project 00245/Harbor Seal Biosampling, proposed Project 00482/PSP Field Test Kit, a yet-to-be identified project with the Fisheries Industrial Technical Center, and an algae testing project with Dr. Gerry Plumley, University of Alaska Fairbanks, to find the origin of PSP funded by the Alaska Science and Technology Foundation.

Chief Scientist's Recommendation

The Youth Area Watch has proven to be a popular and effective way of involving students in spill-area communities in restoration projects and in science more generally. The involvement of these Kodiak communities is important, and, ideally, the Youth Area Watch is something that should be extended to the Kodiak area. Fund.

Trustee Council Action

Fund. This project will extend the Youth Area Watch program, which has been an effective means of involving youth from Prince William Sound and lower Cook Inlet in the restoration effort (Project /210), to the seven communities on Kodiak Island. The proposal has a high degree of public support in the Kodiak region and investigators on ongoing projects (00245/Harbor Seal Biosampling and others) have committed to working with participating youth.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Dan Rosenberg
Division of Conservation
Alaska Department of Fish & Game
333 Raspberry Road
Anchorage, Alaska 99518-1565

RE: Project 00273 / Scoter Life History and Ecology: Linking Satellite Technology with Traditional Knowledge to Conserve the Resource
Project 00407 / Harlequin Duck Population Dynamics and Satellite Telemetry

Dan

Dear ~~Mr. Rosenberg~~:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of:

- $205,400 for Project 00273/Scoter Life History and Ecology: Linking Satellite Technology with Traditional Knowledge to Conserve the Resource. This includes $165,600 in direct project funds, $24,000 for bench fees at the Alaska SeaLife Center, and $15,800 in ADFG administrative costs.

- $63,800 for Project 00407/Harlequin Duck Population Dynamics and Satellite Telemetry. This includes $57,300 in direct project funds and $6,500 in ADFG administrative costs.

A copy of the Council's action on your projects is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The future years' funding projection for Project 00407 (including agency administrative costs) is $71,000 in FY 01 and $71,000 in FY 02; this will be reviewed on an annual basis. FY 00 is expected to be the final year of Council contribution to Project 00273.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

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TRUS[illegible] COUNCIL ACTION (8/9/99) / FY 00 WORK P[illegible]AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00273	Scoter Life History and Ecology: Linking Satellite Technology with Traditional Knowledge to Conserve the Resource	D. Rosenberg/ADFG	ADFG	Cont'd 3rd yr. 3 yr. project	$205.4	$0.0	$0.0	$0.0	$205.4

Project Abstract

This project will study the life history and ecology of surf scoters that over-winter in or migrate through Prince William Sound. This information will be integrated with traditional ecological knowledge. Scoter populations in Alaska are declining. Communities in Prince William Sound and lower Cook Inlet harvest scoters for subsistence purposes. Scoters are among the least studied of North American waterfowl and little is known of their life history, ecology, and distribution. Scoters will be marked with surgically implanted satellite transmitters to define the breeding areas, molting areas, and wintering areas. To reduce mortality rates, scoters will be transported to the Alaska SeaLife Center for surgery and recuperation. Dialogue with community members will continue in order to collect traditional ecological knowledge and convey project information. Participation of local students will be encouraged through the Youth Area Watch project (/210).

Chief Scientist's Recommendation

This project aims to provide basic life history information on surf scoters, which are valuable subsistence resources in Prince William Sound and Cook Inlet. The principal investigator has done an excellent job of working with local communities and documenting traditional knowledge about this species. The first year of effort (FY 98) suggested that there may be linkages between migrant and/or wintering scoters in Prince William Sound and breeding areas as far away as the Canadian Arctic. The concern about high short-term mortality following transmitter implants has resulted in an alteration of study plans to ensure better survival. Now post-operative birds will be kept at the Alaska SeaLife Center. This has resulted in slightly higher costs, but they are justified. Fund.

Trustee Council Action

Fund revised proposal, which addresses the short-term mortality in birds in which transmitters have been implanted by arranging for the birds to be transported to the Alaska SeaLife Center for surgery and recuperation. This project is studying the life history and ecology of surf scoters in Prince William Sound as the first step in determining the cause of their suspected population decline and developing conservation and management strategies to ensure the long-term health of the population. Surf scoters are not on the injured resources list. However, the Trustee Council's Restoration Plan allows restoration actions to address resources not on the list if the action will benefit an injured resource or service; this project will benefit the service of subsistence. The principal investigator is to be commended for working closely with community residents on this project. [NOTE: Funding includes $23,900 for Alaska SeaLife Center bench fees.]

TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00407	Harlequin Duck Population Dynamics and Satellite Telemetry	D. Rosenberg/ADFG	ADFG	New 1st yr. 3 yr. project	$63.8	$0.0	$71.0	$71.0	$205.8

Project Abstract

Harlequin duck populations have not recovered from the effects of the oil spill. Populations are declining in oiled areas of Prince William Sound while increasing in unoiled areas. This project will conduct late-winter boat surveys to assess the recovery of ducks inhabiting oiled areas. Population structure, abundance and recruitment will be compared between oiled and unoiled areas in Prince William Sound to assess trends, population dynamics, and the progress of recovery.

Chief Scientist's Recommendation

The harlequin duck is one of the species that clearly has not recovered, based both on exposure to hydrocarbons and differences in population trends in oiled and unoiled areas. This project will carry out March population surveys, which provide the most relevant population data for over-winter survival. Fund.

Trustee Council Action

Fund revised proposal, which deletes the satellite tagging effort. This project will assess the recovery of harlequin duck populations inhabiting oiled areas. The harlequin duck is one of the species that is still not showing signs of recovery from the oil spill.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Jeffrey W. Short
NMFS/Auke Bay Laboratory
11305 Glacier Highway
Juneau, Alaska 99801-8626

RE: Project 00598 / Publication: Resolution of Mixtures Containing *Exxon Valdez* Oil and Regional Background Hydrocarbons in Subtidal Sediments
Project 00599 / Evaluation of Yakataga Oil Seeps as Regional Background Hydrocarbon Sources in Benthic Sediments of the Spill Area

Dear Mr. ~~Short~~ Jeff:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $13,500 for Project 00598/Publication: Resolution of Mixtures Containing *Exxon Valdez* Oil and Regional Background Hydrocarbons in Subtidal Sediments and $75,600 for Project 00599/Evaluation of Yakataga Oil Seeps as Regional Background Hydrocarbon Sources in Benthic Sediments of the Spill Area. For Project 00598, this includes $12,000 in direct project funds and $1,500 in NOAA administrative costs. For Project 00599, this includes $68,400 in direct project funds and $7,200 in NOAA administrative costs. A copy of the Council's action on your projects is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 projects on that date. Any delay in documenting compliance will delay start of the projects. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The future year's funding projection for Project 00599

(including agency administrative costs) is $10,000 in FY 01; this will be reviewed on an annual basis. No funding in future years is expected for Project 00598.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosures

cc: Bruce Wright, NOAA Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00598	Publication: Resolution of Mixtures Containing *Exxon Valdez* Oil and Regional Background Hydrocarbons in Subtidal Sediments	J. Short/NOAA	NOAA	New 1st yr. 1 yr. project	$13.5	$0.0	$0.0	$0.0	$13.5

Project Abstract

Using existing hydrocarbon data, this project will report application of multivariate statistical methods to the problem of resolving a hydrocarbon mixture from two different sources in subtidal sediments of Prince William Sound, *viz., Exxon Valdez* oil and the regional background hydrocarbon pattern. Multivariate logistic and Dirichlet error distributions will be compared as bases for maximum likelihood mixture compositions, under the assumption that *Exxon Valdez* oil is time-varying in composition, and the regional background from coal is not. The hydrocarbon database produced under Project /290 will be used to evaluate the performance of these approaches. Results will be used to evaluate biases inherent in a previous bivariate approach to resolution of these mixtures, which had erroneously assumed that both hydrocarbon sources were time-varying, and had concluded that *Exxon Valdez* oil contributed a small increment on a large background in shallow subtidal sediments.

Chief Scientist's Recommendation

It is very important to follow up on the basic question of the source of background hydrocarbons in Prince William Sound sediments. This is a worthwhile proposal that should clarify the relative contributions of coal hydrocarbons and *Exxon Valdez* oil to the hydrocarbons measured in Prince William Sound sediments after the spill. Fund.

Trustee Council Action

Fund. This project will produce a manuscript that clarifies the relative contributions of *Exxon Valdez* oil and coal hydrocarbons to the hydrocarbons measured in Prince William Sound sediments after the oil spill.

TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00599	Evaluation of Yakataga Oil Seeps as Regional Background Hydrocarbon Sources in Benthic Sediments of the Spill Area	J. Short/NOAA	NOAA	New 1st yr. 2 yr. project	$75.6	$0.0	$10.0	$0.0	$85.6

Project Abstract	Chief Scientist's Recommendation	Trustee Council Action
This project will evaluate fluxes of crude oil from terrestrial oil seeps and of particulate coal near Yakataga into the northern Gulf of Alaska to delineate the extent of "natural oil pollution" in the area affected by the oil spill.	This project will supply additional geochemical data about sources of hydrocarbons in background contamination of Prince William Sound. This will refine existing interpretations of hydrocarbon sources. Fund.	Fund. This project, which will study whether fauna showing induction of cytochrome-P450 in the spill area are responding to natural oil pollution rather than to residual *Exxon Valdez* oil, is designed to improve existing interpretations of hydrocarbon sources.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Timothy L. Joyce
ADF&G CFMD
POB 669
Cordova, Alaska 99574-0669

RE: Project 00487 / Straying of Hatchery-Released Pink Salmon in Prince William Sound

Dear ~~Mr. Joyce~~ Jim:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00487/Straying of Hatchery-Released Pink Salmon in Prince William Sound. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00487	Straying of Hatchery-Released Pink Salmon in Prince William Sound	T. Joyce/ADFG	ADFG	New 1st yr. 3 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will estimate the degree of straying of hatchery-released pink salmon in Prince William Sound. Specific strata encompassing streams used in studies funded by the Trustee Council will also be formed. Otoiths will be sampled from pink salmon carcasses in streams located within each defined stratum. Otoliths of hatchery origin will be identified by specific thermal marks applied to fry at the four Prince William Sound hatcheries in the Fall of 1998 and 1999. The proportion of Prince William Sound escapements comprised of spawning hatchery pink salmon will be estimated by stratum (geographic area and stream zone) and for the sound as a whole. Specific attention will be paid to hatchery contributions to spawning escapements studied in previous restoration projects. The study will be repeated in FY 01 to evaluate straying for the odd-year class.

Chief Scientist's Recommendation

The Trustee Council has funded several projects (e.g., Project /076, Effects of Oiled Incubation on Straying) that have established widespread straying of both hatchery and wild pink salmon. The null hypothesis of this proposal, that hatchery fish do not stray, has been rejected. What is needed to determine the consequences of straying are genetics-based studies of fitness and survival of juveniles from hatchery-wild crosses, such as may be done by a related project (Project /190, Linkage Map for Pink Salmon Genome). Also, the experimental design of Moran, et al (1996) should be consulted for suitability to Alaska pink salmon. Do not fund.

Trustee Council Action

Do not fund based on Chief Scientist's review. The project would not address the most important aspect of pink salmon straying, which is the nature and extent of any adverse impacts due to straying.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Brenda Ballachey, Ph.D.
6 Varbay Place NW
Calgary, Alberta T3A OC8 CANADA

Paul W. Snyder, Ph.D.
Purdue University School of Veterinary Medicine
1243 Veterinary Pathology Building
West Lafayette, IN 47907-1243

RE: Project 00553 / Comparison of Cytochrome P4501A Induction in Blood and Liver Cells of Sea Otters

Dear Drs. Ballachey and Snyder:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00553/Comparison of Cytochrome P4501A Induction in Blood and Liver Cells of Sea Otters. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Dede Bohn, DOI-USGS Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00553	Comparison of Cytochrome P4501A Induction in Blood and Liver Cells of Sea Otters	B. Ballachey/USGS-BRD, P. Snyder/Purdue Univ.	DOI	New 1st yr. 1 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will sample liver from captured sea otters for assays of P4501A (CYP1A) and examination of histopathological changes. Liver CYP1A levels will be compared to those measured in blood from the same individuals. Archived frozen liver samples from sea otters that were oiled and died in 1989 will also be assayed for CYP1A to enable comparison of current levels of CYP1A induction with levels in sea otters that had a known, high degree of oil exposure. The results of this study will provide a basis for comparison of cytochrome P4501A induction in sea otters in 1989, in 1996-98, and in 2000, and will help determine if there is a decline over time in CYP1A levels. This project will complement Project 00423, which proposes to resample CYP1A in blood from sea otters.

Chief Scientist's Recommendation

This proposal would determine levels of P450 induction in liver for the same animals in which levels of this same enzyme are being determined in blood tissues. This work is desirable, but it is dependent on another project (00423) that is not recommended for funding. In addition, it is not certain that the proposed methods will be effective on archived tissues from 1989. Do not fund.

Trustee Council Action

Do not fund. This project, which would relate present levels of CYP1A induction in sea otters with levels immediately following the oil spill, relies on Project 00423 for sample collection, and the sea otter field component of that project is not recommended for funding.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Stephen Bodnar
Prince William Sound Science Center
POB 705
Cordova, Alaska 99574

Vince Patrick, Ph.D.
Prince William Sound Science Center
POB 705
Cordova, Alaska 99574

RE: Project 00568 / Historic, Contemporary, and Near-Real-Time Meteorological Data

Dear Mr. Bodnar and Dr. Patrick:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00568/Historic, Contemporary, and Near-Real-Time Meteorological Data. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00568	Historic, Contemporary, and Near-Real-Time Meteorological Data	S. Bodnar/OSRI, V. Patrick/Univ. Maryland	NOAA	New 1st yr. 1 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will provide improved cost-efficiency for all Trustee Council restoration projects and contribute to the repository and distribution mission objectives of three major state and federal programs. The project is proposed in concert with three regional oversight and industry-support organizations. The primary objective is to make the existing and expanding meteorological data resources readily available to all stakeholders, including researchers.

Chief Scientist's Recommendation

This is an interesting and cost-effective proposal from highly qualified investigators to further develop the ability to deliver historical and near-real time meteorological information to the Prince William Sound community. While the proposal makes a good case for the interest of the local community in this project, the tie to restoration of injured resources seems weak, and it is not clear how the project will be sustained beyond FY 00. While this appears to be a valuable "spin off" from Trustee Council research, the National Weather Service or the Alaska Science and Technology Foundation would be sources of additional support . This system might provide support for certain data collection efforts in GEM (Gulf Ecosystem Monitoring, the Trustee Council's long-term research and monitoring program currently under development), but until the design of a long-term program is in place the type and location needs for meteorological data collection in Prince William Sound is unclear. Do not fund.

Trustee Council Action

Do not fund. There may be a role for collection of meteorological data in the Trustee Council's long-term research and monitoring program (currently under development as GEM, Gulf Ecosystem Monitoring), and this proposal may be reconsidered once GEM is further developed. Making existing and future meteorological data on Prince William Sound Internet-accessible may be of interest to the general public as well.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

M.J. Hameedi, Ph.D.
NOAA, N/SCI1-Bioeffects
1305 East-West Highway, Room 10225
Silver Spring, Maryland 20910

RE: Project 00571 / Toxicity Syndrome of Environmentally Persistent Petroleum

Dear Dr. Hameedi:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00571/Toxicity Syndrome of Environmentally Persistent Petroleum. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00571	Toxicity Syndrome of Environmentally Persistent Petroleum	J. Hameedi/NOAA	NOAA	New 1st yr. 2 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will determine direct chemical toxicity as well as genotoxicity on test organisms following exposure to fresh and weathered North Slope crude oil and to sediment from subtidal shorelines in Prince William Sound that still retain oil from the *Exxon Valdez* oil spill. The project is predicated on increasing scientific evidence that links cytological damage, heritable mutations in the gene pool, and other genotoxic effects to adverse impacts on Darwinian fitness parameters. Impairment of these parameters, in turn, has individual or population level consequences. The project, utilizing a suite of newly developed toxicity bioassays and chemical measurements, offers a novel approach to examining acute as well as long-term injuries to natural resources from environmental contamination.

Chief Scientist's Recommendation

From previous studies it seems unlikely that a strong and easily detected toxicity signal from Prince William Sound sediments would be uncovered with the proposed random sampling design. This project would likely confirm the results of Wolfe, et al (1991). Studying the potential impact of remaining pockets of oil on injured species would be more effectively conducted using biomarkers of exposure and effects in species of concern. Do not fund.

Trustee Council Action

Do not fund. The Chief Scientist has expressed concerns about the study design. In addition, projects already underway by the Trustee Council that are using biomarkers of exposure in injured species are a more direct means of studying the potential impact of residual oil.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Christopher N.K. Mooers
OPRC/RSMAS
University of Miami
4600 Rickenbacker Causeway
Miami, FL 33149-1098

RE: Project 00547-BAA / Monitoring System Design for the Prince William Sound Nowcast/Forecast System

Dear Professor Mooers:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00547/Monitoring System Design for the Prince William Sound Nowcast/Forecast System. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison
Sharon Kent, NOAA Contracting

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00547-BAA	Monitoring System Design for the Prince William Sound Nowcast/Forecast System	C. Mooers/Univ. Miami	NOAA	New 1st yr. 1 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

A high-resolution, time-variable numerical circulation model for Prince William Sound was developed and partially validated under the Sound Ecosystem Assessment (SEA, Project /320) and applied to ecosystem topics. With partial support from the Oil Spill Recovery Institute the model is being extended to form a real-time nowcast/forecast system that can be used for projecting the dispersal of oil spills, but which can also be used for projecting the dispersal of fish eggs, larvae, and juveniles. A critical element in any nowcast/forecast system is a real-time observing system to help force the model. This project will analyze various existing observed time series and examine their impact in constructively constraining the model and analyze model output to help guide the selection of which variables need to be observed at which locations for assimilation of data into the model.

Chief Scientist's Recommendation

Given the expense of gathering physical oceanographic data needed as input to circulation models, this proposal asks a very important question: as we reduce the intensity of observational data collection, what is the effect on the quality of model output and are there optimal designs for the observing system? However, it is unclear how much of this proposal overlaps a related project underway at OSRI (Oil Spill Recovery Institute), and it is premature at this time to consider these issues in the context of GEM (Gulf Ecosystem Monitoring, the Trustee Council's long-term research and monitoring program currently under development). Do not fund.

Trustee Council Action

Do not fund based on Chief Scientist's recommendation. This proposal, which would design an observing system to collect data for a nowcast/forecast system based on the numerical circulation model developed under SEA (Sound Ecosystem Assessment, Project /320), is premature until the Trustee Council's long term research and monitoring program (GEM, Gulf Ecosystem Monitoring) is further developed.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Paul McCollum
POB 5572
Port Graham, Alaska 99603

RE: Project 00544 / Lower Cook Inlet Salmon Ecology Study

Dear Mr. McCollum:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00544/Lower Cook Inlet Salmon Ecology Study. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00544	Lower Cook Inlet Salmon Ecology Study	P. McCollum/Port Graham Village Council	ADFG	New 1st yr. 1 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract	Chief Scientist's Recommendation	Trustee Council Action
This project will improve existing knowledge of the survival mechanisms of pink and sockeye salmon in lower Cook Inlet. The project will sample outmigrating salmon smolts for growth, marks (thermal marks or coded wire tags), stomach contents (for prey species identification) and timing (days since release or outmigration).	This project does not recognize or integrate ecological knowledge gained with respect to salmon in the last five years. The concept is generally reasonable but more preparation is needed to define specifically what is to be done and to identify the personnel who are going to make it a reality. Do not fund.	Do not fund. Although this proposal is improved over the version submitted in FY 99 and reflects a well intended effort to involve local people in restoration/stewardship activities, it fails to recognize or integrate ecological knowledge about salmon gained in the past several years. In addition, the proposal is vague about what might be learned through the project and how it would benefit restoration.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Nathaniel I. Webb
UAA, Grad Student
3211 Providence Drive
Anchorage, Alaska 99501

RE: Project 00537 / Effects of Crude Oil and Dispersant Mixtures on Marine Phytoplankton Primary Production

Dear Mr. Webb:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00537/Effects of Crude Oil and Dispersant Mixtures on Marine Phytoplankton Primary Production. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00537	Effects of Crude Oil and Dispersant Mixtures On Marine Phytoplankton Primary Production	N. Webb/UAA	ADEC	New 1st yr. 1 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will determine the potential impact of oil and the oil dispersant Corexit 9527 on the primary production of subarctic marine phytoplankton. This information will be valuable in assessing the potential effect oil and dispersant mixtures have upon the trophic base of the marine environment.

Chief Scientist's Recommendation

This proposal would evaluate the effects of oil-dispersant mixtures on productivity of phytoplankton samples collected in Resurrection Bay. While this project has some strengths, the results of this work will be difficult to apply directly to interpretation of EVOS damage assessment and are not particularly relevant to EVOS recovery objectives. Do not fund.

Trustee Council Action

Do not fund. This proposal, which would evaluate the effects of Corexit (an oil-dispersant product) on phytoplankton productivity, falls in the category of planning for future oil spills, which is not relevant to EVOS restoration and recovery.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Stephen M. Murphy
ABR, Inc.
POB 80410
Fairbanks, Alaska 99708-0410

RE: Project 00527-BAA / Status of Black Oystercatchers in Prince William Sound

Dear Mr. Murphy:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00527/Status of Black Oystercatchers in Prince William Sound. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison
Sharon Kent, NOAA Contracting

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00527-BAA	Status of Black Oystercatchers in Prince William Sound	S. Murphy/ABR, Inc.	NOAA	New 1st yr. 1 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

The status of black oystercatchers recently was upgraded by the Trustee Council from "injured with recovery unknown" to "recovering." Because low productivity of the breeding population in Prince William Sound is the main outstanding issue for this species, this project will provide a thorough evaluation of breeding oystercatchers in the spill area of western Prince William Sound. The project also will examine factors that potentially are influencing productivity, including habitat, predators, oiling, and interactions that may occur among those factors. The same population of breeding oystercatchers that was studied in previous years will be studied to facilitate among-year comparisons and reevaluations of previously identified impacts.

Chief Scientist's Recommendation

Preliminary results from FY 98 suggest that there are no longer differences in oystercatcher breeding parameters that can be related to the oil spill. Productivity in FY 98 was generally low, but was most likely due to predation, which probably would have no connection to the oil spill. Do not fund.

Trustee Council Action

Do not fund. This proposal would continue the investigation of black oystercatcher productivity (Project 98289). However, results from FY 98 work indicate that spill-related effects on productivity are not now evident and that low productivity in FY 98 was most likely due to predation. Further Trustee Council funding is not warranted given the incremental gain in information that would result and other restoration program priorities.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Christina Behr-Andres, P.E., Ph.D.
AGRA Earth & Environmental, Inc
3504 Industrial Avenue, Suite 5
Fairbanks, Alaska 99701

RE: Project 00521-BAA / Ecological Risk of Long-Term Oil Exposure to Pink Salmon Spawning Habitat

Dear Dr. Behr-Andres:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00521/Ecological Risk of Long-Term Oil Exposure to Pink Salmon Spawning Habitat. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison
Sharon Kent, NOAA Contracting

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00521-BAA	Ecological Risk of Long-Term Oil Exposure to Pink Salmon Spawning Habitat	C. Behr-Andres/AGRA	NOAA	New 1st yr. 1 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will conduct a preliminary probabilistic risk assessment of the effects to the early life stages of pink salmon in spawning habitats exposed to oil as a result of the spill. The project will (a) identify scientific (field and laboratory) data and indigenous knowledge that can be used to develop exposure and effects assessments, (b) use this data to develop a preliminary estimate of the risk to salmon populations in the former path of the oil spill, and (c) develop a sampling and analysis plan to collect additional field data in FY 01 that will improve the risk estimate developed during this preliminary assessment.

Chief Scientist's Recommendation

While a formal model like that proposed can have certain advantages in establishing a logical structure for an effect assessment, previous extensive research has provided a clear idea of what information needs to be gathered to determine if there are continuing effects on pink salmon. The formal risk assessment will not be able to supply any data on concentrations of PAH in porewater. Nor is it likely that without a site specific assessment of pockets of residual oil that source terms for a hydrologic model can be specified. We would in a sense be creating a formalized statement of our ignorance. What is needed are indicators of exposure in the eggs and larvae and such measurements are being proposed in another project (00454). Do not fund.

Trustee Council Action

Do not fund based on technical review. Although this project responds to the *FY 00 Invitation*, which requested proposals that could shed light on the potential exposure to oil of pink salmon in natal habitats and the biological significance of such exposure, another project (00454) proposes a more effective means of doing so.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Dennis C. Lees
Littoral Ecological & Environmental Services
1075 Urania Avenue
Leucadia, California 92024

RE: Project 00518-BAA / Assessment of Recovery and Restoration Needs on Treated Mixed-Soft Beaches

Dear Mr. Lees:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00518/Assessment of Recovery and Restoration Needs on Treated Mixed-Soft Beaches. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison
Sharon Kent, NOAA Contracting

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00518-BAA	Assessment of Recovery and Restoration Needs on Treated Mixed-Soft Beaches	D. Lees/Littoral Ecological Services	NOAA	New 1st yr. 3 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract	Chief Scientist's Recommendation	Trustee Council Action
Previous studies suggest that infaunal assemblages on beaches in Prince William Sound exposed to high-pressure hot-water washing during the 1989-90 shoreline treatment program remain severely damaged in terms of species composition and function. This project will assess the generality of this apparent injury to these assemblages to determine whether the beaches are functionally impaired in terms of their ability to support foraging by subsistence users and nearshore vertebrate predators. The project will also provide insight into potential remediation alternatives for restoring the biodiversity and functional aspects of these assemblages.	This project is scientifically sound, but the scope is too ambitious and the scale too detailed. Some aspects of the project, e.g., work on PAHs, is unnecessary because lingering injury to clams is more a function of loss of fine sediments due to high-pressure washing rather than to hydrocarbon contamination. A narrower project on sediment injury and potential for restoration of sediments as clam habitat might be considered in the future. The cost of the proposed project is very high. Do not fund.	Do not fund. The Chief Scientist advises that the scope of the project, which would evaluate the conditions of infaunal assemblages at sites treated with high-pressure hot-water wash and examine the sediment characteristics at these sites, is too ambitious and the scale is too detailed.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Karen Oakley
USFWS
1011 East Tudor Road
Anchorage, Alaska 99503-6119

RE: Project 00512 / Laying the Groundwork for a Successful Long-Term Monitoring and Research Program

Dear Ms. ~~Oakley~~ Karen:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00512/Laying the Groundwork for a Successful Long-Term Monitoring and Research Program. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Dede Bohn, USGS Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00512	Laying the Groundwork for a Successful Long-Term Monitoring and Research Program	K. Oakley/USGS	DOI	New 1st yr. 3 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will apply the latest understanding of long-term program design to plan for the Trustee Council's long-term monitoring and research program. The characteristics and unique considerations that attend long-term programs will be presented via briefings, public meetings, and the Annual Restoration Workshop in January 2000. Existing and planned monitoring and research efforts in the spill area will be cataloged. A planning process, leading to a conceptual design document to guide the FY 03 invitation, will be proposed. This relatively small investment in planning will help ensure a successful long-term program that avoids common planning problems and the specific problems that can be foreseen in the *Exxon Valdez* oil spill context.

Chief Scientist's Recommendation

This project would initiate and carry out a planning process leading to a "conceptual design" for a long-term research and monitoring program. The specific steps proposed here do not seem to recognize what already has been accomplished in development of the Trustee Council's long-term program (GEM, Gulf Ecosystem Monitoring), nor is the timetable consistent with the Council's process. The proposers, however, clearly are very capable and have a good grasp of the process for and pitfalls of planning a long-term research and monitoring program. It may be appropriate to incorporate elements of this project into the GEM process over the next three fiscal years. For the time being, I recommend not funding this proposal, pending further evolution of the current GEM planning effort.

Trustee Council Action

Do not fund. This is a strong proposal by qualified investigators, but it duplicates to a large extent the effort already underway by the Restoration Office and the Chief Scientist on GEM (Gulf Ecosystem Monitoring, a long term research and monitoring program). However, as GEM planning continues over the next couple of years, it may make sense to incorporate elements of this proposal into the planning process.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Keith W. Boggs
Alaska Natural Heritage Program
University of Alaska Anchorage
707 A Street
Anchorage, Alaska 99501

RE: Project 00511 / Synthesis and Transfer of Conservation Biology Information to Resource Managers and University Students

Dear Mr. Boggs:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00511/Synthesis and Transfer of Conservation Biology Information to Resource Managers and University Students. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00511	Synthesis and Transfer of Conservation Biology Information to Resource Managers and University Students	K. Boggs/UAA	ADFG	New 1st yr. 3 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will develop a state of the art data system to track the health of species and ecosystems damaged by the oil spill, evaluate the recovery of each, and transfer the information to resource managers and university students. Only information specific to conservation biology -- population numbers, processes, etc. -- will be synthesized. This will entail integrating disparate data from multiple studies that often reached conflicting results. The health of each damaged resource will be evaluated using the data system results. Thorough presentations that translate the concepts of conservation biology in relationship to the damaged resources will be developed.

Chief Scientist's Recommendation

This proposal presents an attempt to synthesize data collected by the Trustee Council for conservation biology. There is no recognition that, in fact, much EVOS data makes little significant contribution to biodiversity and extinction questions. The qualifications of the principal investigators are unavailable as they have not been hired, which is a critical problem given the scientific complexity and challenges facing any synthesis of EVOS findings. The goals of the project also seem to overlap the stewardship mandates of natural resource agencies, and the arguments presented for avoiding duplication of effort are not compelling. Do not fund.

Trustee Council Action

Do not fund. This project would take the initial steps to establish an EVOS conservation biology program at the University of Alaska Anchorage. While such a program may help to serve the Trustee Council's goal of informing stakeholders and others about the findings of the restoration program, other proposals would more directly share restoration results with interested parties.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Brenda Ballachey, Ph.D.
6 Varbay Place NW
Calgary, Alberta T3A OC8 CANADA

Dede Bohn
USGS-BRD
1011 East Tudor Road
Anchorage, Alaska 99503

RE: Project 00525 / General Interest Publications on the Findings of the Nearshore Vertebrate Predator Ecosystem Project

Dear Dr. Ballachey and Ms. Bohn:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00525/General Interest Publications on the Findings of the Nearshore Vertebrate Predator Ecosystem Project. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00525	General-Interest Publications on the Findings of the Nearshore Vertebrate Predator Ecosystem Project	B. Ballachey, D. Bohn/USGS-BRD	DOI	New 1st yr. 1 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will highlight and summarize the final research findings of the Nearshore Vertebrate Predator project (/025) in a popular writing style targeted for one or more non-technical products. The Nearshore Vertebrate Predator project is one of the three large-scale ecosystem projects sponsored by the Trustee Council, and an easy-to-read summary of the final synthesis of its scientific findings will provide the public with an appreciation for the value and complexity of ecosystem-scale research and an understanding of the longer-term impacts of the oil spill on the nearshore ecosystem. Potential strategies for restoration and implications for future management of the nearshore environment also will be addressed.

Chief Scientist's Recommendation

A public information article, such as in *Bioscience* or *Discovery*, is a good idea for publication of NVP (Nearshore Vertebrate Predator, Project /025) results. The actual content and authors of the article are not described, nor are methods presented for the additional objective of identifying information of use to natural resource managers. The project would be more attractive after completion of the NVP synthesis (Project 00025) and at lower cost. Do not fund.

Trustee Council Action

Do not fund. The synthesis of the Nearshore Vertebrate Predator (NVP) project being conducted under Project 99/00025 should be completed and reviewed before a decision is made on publication of a general interest article on the project. If this proposal is resubmitted in FY 01, the Chief Scientist suggests it would be more favorably reviewed if the actual content of the publication was described and the cost was reduced .

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Dan Esler
Alaska Science Center
USGS-BRD
1011 East Tudor Road
Anchorage, Alaska 99503-6119

RE: Project 00466-CLO / Recovery Status of Barrow's Goldeneye

Dear ~~Mr. Esler~~ Dan:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $14,800 for Project 00466/Recovery Status of Barrow's Goldeneye. This includes $13,000 in direct project funds and $1,800 in USGS administrative costs. A copy of the Council's action on your project is enclosed. Please note funding is for project close-out (final report preparation) only.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Dede Bohn, DOI-USGS Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00466-CLO	Recovery Status of Barrow's Goldeneyes	D. Esler/USGS-BRD	DOI	Cont'd 2nd yr. 2 yr. project	$14.8	$0.0	$0.0	$0.0	$14.8

Project Abstract

Data available at the onset of this project (population trends and indices of contaminant exposure) raised concern that Barrow's goldeneye populations may have been injured by the oil spill, may not be fully recovered, and may continue to suffer deleterious effects of the spill. This project is designed to critically assess the recovery status of Barrow's goldeneye populations through assemblage and analysis of all existent, relevant data. This work will lead to definition of recovery status, identification of any data gaps limiting understanding of recovery status or impediments to recovery, and, if warranted, proposal of directed research to fill those gaps in subsequent years. Most data analyses were conducted during FY 99; FY 00 funds are requested for final data analyses and compilation of analysis results and other information into the final report and manuscripts.

Chief Scientist's Recommendation

This modest desk study should be completed properly. The appropriate material should be published and recommendations made in regard to the status of and future research on this potentially injured species. Fund.

Trustee Council Action

Fund. In FY 00, this project will complete work begun in FY 99 to gather information necessary for making a determination on adding the Barrow's goldeneye to the injured resources list. A final report consisting of two manuscripts will be prepared.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 11, 1999

Gary D. Marty, Ph.D.
VM:APC
University of California
One Shields Avenue
Davis, California 95616-8732

RE: Project 00462 / Effect of Disease on Pacific Herring Population Recovery in Prince William Sound

Dear Dr. Marty:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $74,600 for Project 00462/Effect of Disease on Pacific Herring Population Recovery in Prince William Sound contingent on submitting to the Chief Scientist the final report on Project 98162. Funding includes $69,300 in direct project funds and $5,300 in ADFG administrative costs. A copy of the Council's action on your project is enclosed.

In addition to satisfying the condition specified above, before a project may begin the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. For most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in satisfying the conditions or documenting NEPA compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The future years' funding projection for your project is $81,700 (including agency administrative costs); this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

mm/raw

TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00462	Effect of Disease on Pacific Herring Population Recovery in Prince William Sound	G. Marty/Univ. of California Davis	ADFG	Cont'd 2nd yr. 3 yr. project	$74.6	$0.0	$81.7	$0.0	$156.3

Project Abstract

The Pacific herring population of Prince William Sound has not recovered from severe population decline in 1993. Viral hemorrhagic septicemia virus and the fungus *Ichthyophonus hoferi* were identified as the two main diseases in these fish. Prevalence of *Ichthyophonus* decreased after 1995, but increased prevalence of viral hemorrhagic septicemia virus in 1997 and 1998 has been associated with delayed recovery. To determine if disease continues to impair recovery, and to document recovery when it occurs, this project will continue to monitor the prevalence of the two major diseases in Pacific herring in Prince William Sound in November 1999 and April 2000.

Chief Scientist's Recommendation

This project will continue to provide information on one factor that may be limiting Pacific herring population recovery. With support from the Trustee Council and National Science Foundation, this continues to be the most comprehensive study ever conducted on the effect of pathogens and disease in a wild fish population. Given the current depleted status of herring in Prince William Sound, we should continue to explore factors that limit their recovery and that may lead to improved management of the pound-type fishery. Fund.

Trustee Council Action

Fund contingent on submittal of Project 98162 final report (due August 6, 1999). By monitoring the health of the herring population for a three-year period, this project will help determine whether disease continues to limit recovery of the Prince William Sound herring population. The results of the study so far have provided insight on management of the herring-pound fishery. A $286.4 grant from the National Science Foundation will enable the researchers to perform complementary analyses and population modeling.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

MEMORANDUM

TO: Restoration Work Force

FROM: Molly McCammon
Executive Director

RE: Authorization to Spend: FY 00 Work Plan

DATE: August 11, 1999

At its August 9, 1999 meeting, the Trustee Council approved a total of $21,731,600 for 68 projects ($7,324,200 for the FY 00 Work Plan and $14,407,400 for projects outside of the Work Plan). In order for these funds to be available at the beginning of the 2000 fiscal year, a number of steps need to be completed.

As in past years, a letter of authorization from the Executive Director will be required on each project before spending can occur. The Trustee Council's project approval was subject to the following conditions: timely completion of late reports, NEPA compliance, and any additional conditions specified in the individual project recommendations. It is my hope that these conditions will be satisfied prior to September 30 so that I can authorize all projects to proceed at the beginning of FY 00.

Letters are being prepared under my signature to each PI who submitted a proposal for the FY 00 Work Plan, notifying them of the Trustee Council's recent action. The letters, which explain the conditions for Executive Director authorization, will be mailed out over the next several days, with a copy going to the appropriate lead agency liaison. I expect the PIs to work through the liaisons if they have questions about late reports, NEPA, special conditions, or any other aspect of the project approval process.

Late Reports

The Trustee Council adopted a motion directing the Executive Director to withhold authorizations to spend FY 00 project funds until late reports have been submitted. The motion reads:

> If a Principal Investigator has an overdue report from a previous year, no funds may be expended on a project involving the PI unless the report is submitted or a schedule for submission is approved by the Executive Director.

A list of late reports is attached. Defined as "late" are reports (1) that have not yet been submitted to the Chief Scientist or that were reviewed by the Chief Scientist, returned to the PI for revision longer ago than six months, and have not been revised and resubmitted to the Chief Scientist and (2) for which an extended due date has not been approved by the Executive Director.

NEPA Compliance

The Trustee Council adopted a motion directing the Executive Director to withhold authorizations to spend FY 00 project funds until NEPA compliance is documented. The motion reads:

> A project's lead agency must demonstrate to the Executive Director that requirements of NEPA are met before any project funds may be expended (with the exception of funds spent to prepare NEPA documentation.)

A draft list of projects requiring NEPA documentation is attached. Because many of the FY 00 projects are continuing projects, a CE or EA is on file here at the Restoration Office for FY 99. **In these cases, the lead NEPA agency needs to simply confirm that the CE or EA already on file applies as well to the project activity that will be conducted in FY 00.** For new projects, the attached list identifies a NEPA lead agency based on past practice. If you have questions or changes to any of the information on the list, please contact Sandra Schubert by **Friday, August 20**.

Special Conditions

A few projects have special conditions or contingencies that must be met before FY 00 work can proceed. Any such conditions are spelled out in the Trustee Council Action field on the attached spreadsheet B.

Please let me know if you envision any problems with the above items.

Attachments: List of late reports
NEPA compliance spreadsheet
Trustee Council Action spreadsheets A and B

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Thomas J. Weingartner, Ph.D.
UAF IMS SFOS
211 Irving Building
Fairbanks, Alaska 99775

RE: Project 00340 / Toward Long-Term Oceanographic Monitoring of the Gulf of Alaska Ecosystem

Dear Dr. Weingartner:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $65,900 for Project 00340/Toward Long-Term Oceanographic Monitoring of the Gulf of Alaska Ecosystem. This includes $61,600 in direct project funds and $4,300 in ADFG's administrative costs. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The future funding projection for your project (including agency administrative costs) is $72,000 in FY 01; this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

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TRUS COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00340	Toward Long-Term Oceanographic Monitoring of the Gulf of Alaska Ecosystem	T. Weingartner/UAF	ADFG	Cont'd 3rd yr. 4 yr. project	$65.9	$0.0	$72.0	$0.0	$137.9

Project Abstract

Interannual variations in the temperature and salinity of Gulf of Alaska shelf waters could significantly influence this ecosystem and, therefore, the recovery and restoration of organisms and services affected by the oil spill. This variability is best quantified from long time series such as that gathered over 29 years at a hydrographic station (GAK1) near Seward. This project will continue this time series to quantify variability on this shelf. First year results suggest that sea level might be an effective monitor of upper ocean summer salinity. The temperature-salinity correlation structure suggests causative mechanisms that will be explored as part of this project. The data and the analyses will aid in designing a cost-effective monitoring program.

Chief Scientist's Recommendation

Understanding seasonal, annual, interannual, and decadal changes in the Alaska Coastal Current may well be key to understanding how climate-forced biological changes are mediated through oceanographic processes, including nutrient recycling to the photic zone on the shelf. In addition to continued monitoring of GAK-1 on the Seward line, the proposed FY 00 work includes continued retrospective analysis of the 29-year data record at this station. Although the Trustee Council's long-term monitoring plan (GEM, Gulf Ecosystem Monitoring) has not yet been completed, it is hard to imagine that continuation of this data stream will not be part of that plan. The project is on track in terms of meeting its objectives and project personnel are excellent. Fund.

Trustee Council Action

Fund. The project will continue the existing 29-year time series of conductivity-temperature versus depth data collected at hydrographic station GAK1 on the northcentral Gulf of Alaska shelf and in FY 00 includes retrospective analysis of the data record at this station. The GAK1 dataset will be useful to the Trustee Council's long-term monitoring program (currently under development as GEM, Gulf Ecosystem Monitoring).

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Jeffrey W. Short
NMFS Auke Bay Laboratory
11305 Glacier Highway
Juneau, Alaska 99801-8626

Bonita Nelson
NOAA - IMS
11305 Glacier Highway
Juneau, Alaska 99801-8626

RE: Project 00290 / Hydrocarbon Data Analysis, Interpretation, and Database Maintenance

Dear Mr. Short and Ms. Nelson:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $55,500 for Project 00290/Hydrocarbon Data Analysis, Interpretation, and Database Maintenance. This includes $49,100 in direct project funds and $6,400 in NOAA's administrative costs. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The future years' funding projection for your project (including agency administrative costs) is $35,000 in FY 01 and $35,000 in FY 02; this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison

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TRUS : COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00290	Hydrocarbon Data Analysis, Interpretation, and Database Maintenance	J. Short, B. Nelson/NOAA	NOAA	Cont'd 9th yr. 11 yr. project	$55.5	$0.0	$35.0	$35.0	$125.5

Project Abstract

This project is a continuation of the Natural Resource Damage Assessment and restoration database management, sample storage, and interpretive service. New data will continue to be incorporated into the Trustee Council hydrocarbon database. Updated summary reports for investigators and managers will be produced along with an electronic copy of the data for all data queries. A database for pristane sample collection and analysis information will be maintained.

Chief Scientist's Recommendation

This project continues the hydrocarbon database. Although this project is decreasing in importance, it remains an essential part of the overall system for tracking injury and recovery of the ecosystem. This work should be sustained. Fund.

Trustee Council Action

Fund revised proposal, which deletes the database for fatty acids as it is not a priority at this time. This project is the ongoing analysis and interpretation of hydrocarbon data for other Trustee Council funded studies. In FY 01 and beyond, the level of funding will be determined following a review of the expected workload in future years.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Jim McCullough
ADF&G CFMD
211 Mission Road
Kodiak, Alaska 99615-6399

Lisa Scarbrough
ADF&G Subsistence Division
333 Raspberry Road
Anchorage, Alaska 99518-1565

RE: Project 00247 / Kametolook River Coho Salmon Subsistence Project

Dear Mr. McCullough and Ms. Scarbrough:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $23,200 for Project 00247/Kametolook River Coho Salmon Subsistence Project. This includes $21,900 in direct project funds and $1,300 in ADFG's administrative costs. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The future years' funding projection for your project (including agency administrative costs) is $20,000 in FY 01 and $28,000 in FY 02; this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

mm/raw

TRUS : COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00247	Kametolook River Coho Salmon Subsistence Project	J. McCullough, L. Scarbrough/ADFG	ADFG	Cont'd 4th yr. 6 yr. project	$23.2	$0.0	$20.0	$28.0	$71.2

Project Abstract

Subsistence users from the Alaska Peninsula Native Village of Perryville have noted significant declines in the coho salmon run in the nearby Kametolook River since the oil spill. Criminal settlement funds were used in FY 96 to determine what method would best restore the river's coho salmon stock to historic levels. This project will provide funding through FY 02 for the Alaska Department of Fish and Game to try conservative and safe restoration methods. Instream incubation boxes have been evaluated and selected as the primary restoration tool, in conjunction with self-imposed harvest limits by subsistence users, to rebuild the depressed coho salmon stock needed for subsistence in the Kametolook River.

Chief Scientist's Recommendation

This ongoing project is proceeding as planned. Fund.

Trustee Council Action

Fund. This project is using instream incubation boxes to enhance a small coho salmon run near the Alaska Peninsula village of Perryville as a replacement for other subsistence resources lost or reduced due to the oil spill. Trustee Council funding is expected through FY 02, at which time the run is expected to be self-sustaining.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Fred W. Allendorf, Ph.D.,
Division of Biological Sciences
University of Montana
Missoula, Montana 59812

RE: Project 00190 / Construction of a Linkage Map for the Pink Salmon Genome

Dear Dr. ~~Allendorf~~ Fred:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $226,500 for Project 00190/Construction of a Linkage Map for the Pink Salmon Genome. This includes $211,700 in direct project funds and $14,800 in ADFG's administrative costs. In addition, the Council will provide bench fees of $104,500 for your work at the Alaska SeaLife Center under this project. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The future years' funding projection for your project (including agency administrative costs but excluding bench fees) is $240,800 in FY 01 and $240,800 in FY 02; this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

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TRUS : COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00190	Construction of a Linkage Map for the Pink Salmon Genome	F. Allendorf/Univ. Montana	ADFG	Cont'd 5th yr. 7 yr. project	$331.0	$0.0	$240.8	$240.8	$812.6

Project Abstract

This project will continue experiments at the Alaska SeaLife Center that apply a genetic linkage map, which was constructed during the first four years of the project, to test for organismal effects of regions of the genome on phenotypes that affect traits that are important to recovery of pink salmon (e.g., growth and survival). The map will be used to evaluate the potential impact of hatchery-raised fish on the fitness of wild stocks. Sexually mature adults from the 1998 cohort produced from wild pink salmon collected from Likes Creek will return to the SeaLife Center in August 2000. Genotypes in released fry and returning adults will be compared to test for genetic differences in marine survival and other life history traits (e.g., body size, egg number, and egg size).

Chief Scientist's Recommendation

This project will apply the newly developed linkage map for the pink salmon genome to the question of what mapped traits or genomic regions confer maximal survival. This has direct applicability to determining the potential effects of intermingling of wild and hatchery-raised fish, as occurs in Prince William Sound. In the long term, the map provides a powerful means to test for traits and to map those traits that determine growth and survival. Fund.

Trustee Council Action

Fund. In FY 00, this project will apply the newly developed linkage map for the pink salmon genome to the question of what mapped traits or genomic regions confer maximal survival on pink salmon, a question of importance to fisheries managers. [NOTE: Funding includes $104.5 for Alaska SeaLife Center bench fees.]

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Patricia M Harris
NMFS Auke Bay Laboratory
11305 Glacier Highway
Juneau, Alaska 99801-8626

Chris Brodersen
NMFS Auke Bay Laboratory
11305 Glacier Highway
Juneau, Alaska 99801-8626

RE: Project 00090-CLO / Monitoring of Oiled Mussel Beds in Prince William Sound

Dear Ms. ~~Harris~~ Pat and Ms. ~~Brodersen~~ Chris:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $64,000 for Project 00090/Monitoring of Oiled Mussel Beds in Prince William Sound. This includes $56,600 in direct project funds and $7,400 in NOAA's administrative costs. A copy of the Council's action on your project is enclosed. Please note that FY 00 is expected to be the final year of Trustee Council contribution to this project.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison

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TRUS COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00090-CLO	Monitoring of Oiled Mussel Beds in Prince William Sound	P. Harris, C. Brodersen/NOAA	NOAA	Cont'd 2nd yr. 2 yr. project	$64.0	$0.0	$0.0	$0.0	$64.0

Project Abstract

This project is assessing the recovery of 28 mussel beds in Prince William Sound that still had significant concentrations of oil when last sampled in 1995 or 1996. In FY 99, hydrocarbon concentrations are being measured in mussels, other invertebrates, and sediments and densities of mussels and other selected invertebrates are being monitored in these beds. Oiled sediments were replaced with clean sediments in 12 of the beds in 1994. Sampling in 16 beds that were not restored will document rates of natural recovery. In FY 00, the chemical analysis of samples collected in FY 99 will be completed and a final report prepared.

Chief Scientist's Recommendation

It is important to monitor hydrocarbon concentrations at oiled mussel beds, including those cleaned on an experimental basis. This work will be accomplished in FY 99, and the current proposal will analyze samples in the laboratory and prepare a final report. Fund.

Trustee Council Action

Fund, including analysis of sediment samples for variance within oiled beds as recommended by the peer reviewers. This project is evaluating an experimental restoration technique used to clean mussel beds in FY 94. In FY 00, samples collected in FY 99 will be analyzed and a final report and two manuscripts will be prepared.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Stanley Rice, Ph.D.
NOAA NMFS Auke Bay Lab
11305 Glacier Highway
Juneau, Alaska 99801

RE: Project 00454 / Evidence and Consequences of Persistent Oil Contamination in Pink Salmon Natal Habitats

Dear Dr. Rice:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $334,100 for Project 00454/Evidence and Consequences of Persistent Oil Contamination in Pink Salmon Natal Habitats contingent on submitting to the Chief Scientist the Project /329 monograph. Funding includes $308,000 in direct project funds and $26,100 in NOAA's administrative costs. A copy of the Council's action on your project is enclosed.

In addition to satisfying the condition specified above, before a project may begin the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. For most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in satisfying the condition or documenting NEPA compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The future year's funding projection for your project is $104,000 (including agency administrative costs); this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison

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TRUS COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00454	Evidence and Consequences of Persistent Oil Contamination in Pink Salmon Natal Habitats	S. Rice/NOAA	NOAA	New 1st yr. 2 yr. project	$334.1	$0.0	$104.0	$0.0	$438.1

Project Abstract

This project will (a) examine the natal habitat of pink salmon in Prince William Sound for evidence of oil contamination in eggs and spawning redds, (b) measure cytochrome P4501A in field and laboratory exposed alevins to relate induction with biological consequences on growth and survival following PAH exposure, and (c) synthesize these results with past research and a reexamination of the recovery status of pink salmon and their spawning habitat. A combination of field and laboratory studies will be conducted for one year to complete the pink salmon toxicity story. Persistent oil reservoirs adjacent to natal streams will be reexamined for evidence of habitat recovery, and the hypothetical mechanism of hydrocarbon introduction into the streams (transfer of dissolved oil in pore water) will be quantified by use of collectors (SPMDs) buried in spawning habitat. The biomarker cytochrome P4501A will be measured in eggs and alevins from field and controlled laboratory exposures. The significance of the biomarker will be determined in measurements of marine growth and survival, using fish from brood year 1998 tests underway.

Chief Scientist's Recommendation

This proposal addresses a critical information need in determining the role of persistent oil in embryo mortality at intertidal locations in Prince William Sound. In addition to measurement of oil exposure biomarkers, the revised proposal includes collection of hydrologic data (i.e., spatially structured fredle index) to document transportation of hydrocarbons through groundwater into the streambed where the embryos incubate. Developing evidence through direct measurement of how subsurface hydrocarbons get to the redds through a tracer study will make the toxicological hypothesis more compelling, as will surveys of the beaches where embryo mortality has been occurring to verify the presence of subsurface oil. Fund.

Trustee Council Action

Fund revised proposal, which includes hydrologic component, contingent on submittal of the Project /329 monograph (due July 30, 1999). This project, which responds to a request in the *FY 00 Invitation*, will allow for evaluation of the recovery status of pink salmon at the stream level.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Jim Bodkin
USGS-BRD
1011 East Tudor Road
Anchorage, Alaska 99503-6119

Dan Esler
USGS-BRD, Alaska Science Center
1011 East Tudor Road
Anchorage, Alaska 99503-6119

Thomas Dean, Ph.D.
Coastal Resources Assoc
1185 Park Center Drive, Suite A
Vista, California 92083-8304

RE: Project 00423 / Patterns and Processes of Population Change in Nearshore Vertebrate Predators

Jim Dan Tom
Dear Mr. ~~Bodkin~~, ~~Mr. Esler~~ and ~~Dr. Dean:~~

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $148,600 for Project 00423/Patterns and Processes of Population Change in Nearshore Vertebrate Predators. This includes $135,900 in direct project funds and $12,700 in DOI's administrative costs. In addition, the Council will provide bench fees of $36,800 for your work at the Alaska SeaLife Center under this project. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The future years' funding projection for your project (including agency administrative costs) is $265,000 for FY 01 and $265,000 for FY 02; this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Dede Bohn, DOI-USGS Liaison

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SPREADSHEET B: TRUSTEE COUNCIL ACTION (8/9) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00423	Patterns and Processes of Population Change in Selected Nearshore Vertebrate Predators	J. Bodkin, D. Esler/USGS-BRD, T. Dean/CRA, Inc.	DOI	Cont'd 2nd yr. 4 yr. project	$185.4	$0.0	$265.0	$265.0	$715.4

Project Abstract

Sea otters and harlequin ducks have not fully recovered from the oil spill. This project will explore links between oil exposure and the lack of population recovery, with the intent of understanding constraints to recovery of these species and the nearshore environment. Sea otter work will include aerial surveys of distribution and abundance and estimation of abundance and size of green sea urchins. Harlequin duck work will include field and captive bird components. Field studies will examine the relationship between survival and CYP1A. Captive experiments will examine the relationships between oil exposure and CYP1A induction, and metabolic and behavioral consequences of exposure.

Chief Scientist's Recommendation

This is the second year of a four-year project to investigate evidence of ongoing injury to harlequin ducks and sea otters. The work is following up on important findings of the Nearshore Vertebrate Predator project (/025). Fund.

Trustee Council Action

Fund revised proposal, which eliminates the new objectives related to sea otter field studies (CYP1A and mark-resighting). This project is an important extension of the Nearshore Vertebrate Predator (Project /025) work on two still-injured species, sea otters and harlequin ducks. [NOTE: Funding includes $36.8 for Alaska SeaLife Center bench fees.]

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Charlie Hughey
Valdez Native Tribe
POB 1108
Valdez, Alaska 99686

Charles E. O'Clair, Ph.D.
Auke Bay Wildlife Laboratory
11305 Glacier Highway
Juneau, Alaska 99801-8626

RE: Project 00401 / Assessment of Spot Shrimp Abundance in Prince William Sound

Dear ~~Mr. Hughey~~ Charlie and ~~Dr. O'Clair~~ Chuck:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $88,700 for Project 00401/Assessment of Spot Shrimp Abundance in Prince William Sound. This includes $80,300 in direct project funds and $8,400 in NOAA's administrative costs. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The future years' funding projection for your project (including agency administrative costs) is $95,000 in FY 01 and $33,000 in FY 02; this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison

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TRUS COUNCIL ACTION (8/9/99) / FY 00 WORK AN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00401	Assessment of Spot Shrimp Abundance in Prince William Sound	C. Hughey/ Valdez Native Tribe, C. O'Clair/ NOAA	NOAA	Cont'd 2nd yr. 4 yr. project	$88.7	$0.0	$95.0	$33.0	$216.7

Project Abstract

This project will estimate the abundance of spot shrimp and determine the structure of the spot shrimp population in western Prince William Sound. The project will augment current Alaska Department of Fish and Game surveys to determine whether the spot shrimp population is recovering from depletion. To maintain consistency with the timing of Alaska Department of Fish and Game surveys, the first full sampling cruise will take place in October 1999. In year one, western Prince William Sound will be surveyed for study sites. In years two and three, spot shrimp relative abundance, population structure and reproductive potential will be estimated at the study sites. An added objective in year three will be an estimate of recruitment potential achieved by expanding the depth range of the sampling into shallow water to assess the relative abundance of juveniles. Year four will be closeout, production of manuscripts, and providing input into the development of a shrimp management plan with the Alaska Department of Fish and Game.

Chief Scientist's Recommendation

This project has the potential to provide useful information on a resource important to subsistence users and, potentially, to commercial fishers. It is unlikely that abundance information on spot shrimp will be available to subsistence users without this project. Fund.

Trustee Council Action

Fund. This project is studying the abundance of spot shrimp in Prince William Sound to determine whether the population can sustain seasonal openings for subsistence, personal use, and commercial fishing. Shrimp are not on the injured resources list. However, the Trustee Council's Restoration Plan allows restoration actions to address resources not on the list if the action will benefit an injured resource or service; this project will benefit the services of subsistence and commercial fishing. The project is a joint effort of the Valdez Native Tribe and the National Oceanic and Atmospheric Administration's Auke Bay Lab.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Merav Ben-David, Ph.D.
UAF/Institute of Arctic Biology
211 Irving Building
Fairbanks, Alaska 99775

Terry R. Bowyer, Ph.D.
UAF/Institute of Arctic Biology
311 Irving Building
Fairbanks, Alaska 99775

Lawrence Duffy, Ph.D.
UAF/Department of Chemistry & Biochemistry
Box 756160
Fairbanks, Alaska 99775

RE: Project 00348-CLO / Responses of River Otters to Oil Contamination: A Controlled Study of Biological Stress Markers

Dear Drs. Ben-David, Bowyer and Duffy:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $50,600 for Project 00348/Responses of River Otters to Oil Contamination: A Controlled Study of Biological Stress Markers contingent on submitting the final project report to the Chief Scientist and the three manuscripts called for in your FY 99 proposal to a journal. Funding includes $47,300 in direct project funds and $3,300 in ADFG's administrative costs. A copy of the Council's action on your project is enclosed. Please note that FY 00 is expected to be the final year of Council contribution to this project.

In addition to satisfying the condition specified above, before a project may begin the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. For most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in satisfying the condition or documenting NEPA compliance will delay

start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

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TRUS COUNCIL ACTION (8/9/99) / FY 00 WORK N

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00348-CLO	Responses of River Otters to Oil Contamination: A Controlled Study of Biological Stress Markers	M. Ben-David, T. Bowyer, L. Duffy/UAF	ADFG	Cont'd 3rd yr. 3 yr. project	$50.6	$0.0	$0.0	$0.0	$50.6

Project Abstract

This project will complete data analyses and manuscript preparation for Project /348, which was designed to explore the effects of oil contamination on physiological responses in river otters. Fifteen captive otters were exposed to two levels of oil contamination under controlled conditions at the Alaska SeaLife Center. Samples of blood, tissues and feces were collected for analysis of biomarkers and for immunological examinations. A wealth of data was collected during the experiment phase. Completion of data analyses and publication of results are especially important in light of the recent listing by the Trustee Council of river otters as a recovered species.

Chief Scientist's Recommendation

This proposal will close out this project with a series of publications. The principal investigators have a good publication record and five additional publications are proposed. On review, the first three manuscripts, which relate most directly to the objectives of the original research, should be supported. In addition, analysis of samples for testosterone and stable isotope ratios should be a priority. Fund revised proposal, which reduces the scope of work as described above.

Trustee Council Action

Fund revised proposal, which limits FY 00 Trustee Council support to three manuscripts, contingent on (a) submittal of the Project /348 final report (due September 30, 1999) and (b) submittal to a journal of the three manuscripts being prepared in FY 99. In FY 99, a final report and three manuscripts are being prepared on this project, which has helped to interpret and validate the effects of oil contamination on river otters. FY 00 will be devoted to the preparation of additional manuscripts. The river otter was declared recovered by the Trustee Council in March 1999, and it is important that the extensive information gained through this project appear in the peer reviewed literature.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Daniel Pauly, Ph.D.
Fisheries Centre
University of British Columbia
2204 Main Mall
Vancouver, BC V6G 1Z4 CANADA

RE: Project 00330-CLO / Mass-Balance Model of Trophic Fluxes in Prince William Sound

Dear ~~Dr. Pauly:~~ Daniel

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $25,300 for Project 00330/Mass-Balance Model of Trophic Fluxes in Prince William Sound. This includes $23,600 in direct project funds and $1,700 in agency administrative costs. A copy of the Council's action on your project is enclosed. Please note that FY 00 is expected to be the final year of Council contribution to this project.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00330-CLO	Mass-Balance Model of Trophic Fluxes in Prince William Sound	D. Pauly/UBC	NOAA	Cont'd 3rd yr. 3 yr. project	$25.3	$0.0	$0.0	$0.0	$25.3

Project Abstract

This project will provide an additional year of funding for Project /330, under which a food-web model of Prince William Sound was constructed and initially disseminated. The food web model forms the core of a prototype CD-ROM, which also includes food web models from three other aquatic ecosystems of Alaska, user-friendly databases on the biology and local/traditional knowledge of the marine organisms of Prince William Sound, and links to related information and resource agencies. In FY 00, this project will (a) produce a final version of the CD-ROM and distribute it to resource managers, schools, communities, and the general public, (b) provide hands-on guidance and education on food-web based management approaches to resource managers and other potential users, and (c) publish several articles in peer reviewed scientific journals.

Chief Scientist's Recommendation

This project has been strong and well carried out, although Dr. Pimm's component is currently behind schedule. The principal investigators should be commended for their efforts to translate their results for the benefit of educators and resource managers. Funding in FY 00 will close out the project. Fund.

Trustee Council Action

Fund. This project is developing a mass-balance model of trophic flows in the Prince William Sound food web. In FY 99, a final report, two manuscripts and a CD-ROM are being prepared. In FY 00, two additional manuscripts will be prepared and the CD-ROM will be refined and widely distributed. The project is making an important contribution to the Trustee Council's effort to synthesize research and monitoring results from other Council-funded projects.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Glenn A. Seaman
ADF&G Habitat & Restoration Division
333 Raspberry Road
Anchorage, Alaska 99518-1565

RE: Project 00278 / Development of an Ecological Characterization and Site Profile for Kachemak Bay & Lower Cook Inlet

Dear Mr. Seaman:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $44,100 for Project 00278/Development of an Ecological Characterization and Site Profile for Kachemak Bay & Lower Cook Inlet. This includes $38,600 in direct project funds and $5,500 in ADFG's administrative costs. A copy of the Council's action on your project is enclosed. Please note that FY 00 is expected to be the final year of Council contribution to this project.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00278	Development of an Ecological Characterization and Site Profile for Kachemak Bay/Lower Cook Inlet	G. Seaman/ADFG	ADFG	Cont'd 2nd yr. 2 yr. project	$44.1	$0.0	$0.0	$0.0	$44.1

Project Abstract

This project will develop an ecological characterization and site profile to collect, synthesize, analyze, and document available physical, biological, and human or socioeconomic information on the Kachemak Bay/lower Cook Inlet area. The project will result in the development of a database management system with products produced in electronic format and on paper. Project components include (a) an ecosystem narrative description, (b) a spatial data component using a Geographic Information System (GIS), and (c) an annotated bibliography and research summary/tracking system. Trustee Council funds will focus on the spatial data component and annotated bibliography. The products will be used to (a) improve accessibility of ecological information to the public, researchers, and managers, (b) assist in the use and protection of land, (c) plan for a possible long-term ecological monitoring and research program in the Northern Gulf of Alaska, and (d) assist in agency management and planning for the lower Cook Inlet area.

Chief Scientist's Recommendation

This proposal completes a two-year project to develop a characterization of resources in the Kachemak Bay watershed that will contribute to more informed land use management decisions affecting injured resources. There is excellent collaboration and cooperation with scientists and stakeholders. Fund.

Trustee Council Action

Fund. This project is a part of the Kachemak Bay watershed management program being developed through the National Estuarine Research Reserve process. It will improve the ability to sustain fish and wildlife resources in the region and thus enhance resources and services injured by the oil spill.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Walter Meganack, Jr.,
Port Graham Village Council
POB 5569
Port Graham, Alaska 99663-5569

RE: Project 00263 / Assessment, Protection and Enhancement of Salmon Streams in Lower Cook Inlet

Dear ~~Mr. Meganack~~ Walter:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $23,400 for Project 00263/Assessment, Protection and Enhancement of Salmon Streams in Lower Cook Inlet. This includes $21,900 in direct project funds and $1,500 in ADFG's administrative costs. A copy of the Council's action on your project is enclosed. Please note that FY 00 is expected to be the final year of Council contribution to this project.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00263	Assessment, Protection and Enhancement of Salmon Streams in Lower Cook Inlet	W. Meganack, Jr./Port Graham Corporation	ADFG	Cont'd 4th yr. 4 yr. project	$23.4	$0.0	$0.0	$0.0	$23.4

Project Abstract

This project will replace lost subsistence services by constructing enhancement projects on two of the major salmon streams in the lower Cook Inlet spill area. In FY 98, two projects were constructed: a fish pass on the Port Graham River and rearing ponds for coho salmon on Windy Creek Left. In FY 99, vegetation is being planted around the rearing ponds. In FY 99 and FY 00, the success of the two projects will be monitored by surveying use by anadromous fish. Local subsistence users are being employed as technical assistants during construction and monitoring.

Chief Scientist's Recommendation

This project will produce a qualitative assessment of restoration undertaken in FY 98 to enhance anadromous fisheries. Fund.

Trustee Council Action

Fund revised proposal, which clarifies the methods to be used. FY 00 will be the final year of Trustee Council funding for this project, which is protecting and enhancing salmon streams important to the restoration of subsistence in the Port Graham area. FY 00 funding includes preparation of a final report.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Ephrim Anahonak, Jr,
Port Graham Hatchery
POB 5543
Port Graham via Homer, Alaska 99603-5543

RE: Project 00225 / Port Graham Pink Salmon Subsistence Project

Dear Mr. Anahonak:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $75,000 for Project 00225/Port Graham Pink Salmon Subsistence Project. This includes $70,100 in direct project funds and $4,900 in ADFG's administrative costs. A copy of the Council's action on your project is enclosed. Please note that FY 00 is expected to be the final year of Council contribution to this project.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00225	Port Graham Pink Salmon Subsistence Project	E. Anahonak/Port Graham IRA Council	ADFG	Cont'd 5th yr. 5 yr. project	$75.0	$0.0	$0.0	$0.0	$75.0

Project Abstract

This project is helping to supply pink salmon for subsistence use in the Port Graham area during the broodstock development phase of the Port Graham hatchery. Because local runs of coho and sockeye salmon, the more traditional salmon subsistence resources, are at low levels, pink salmon are being heavily relied on for subsistence. This project is helping to ensure that pink salmon remain available for subsistence use until the more traditional species are rejuvenated. Two strategies are being employed: increasing fisheries management surveillance to maximize use of the adult pink salmon return and increasing marine survival of hatchery produced pink salmon.

Chief Scientist's Recommendation

This project has been producing replacement fish for harvest, while a self-sustaining program is being developed for longer-term fisheries enhancement. The science underlying this project has been adequate, but it is disappointing that the promised thermal marking did not occur in FY 99. Fund.

Trustee Council Action

Fund. FY 00 will be the final year of Trustee Council contribution to this project, which is supplying pink salmon in the Port Graham area during the broodstock development phase of the Port Graham hatchery, replacing runs of coho and sockeye salmon depleted since the oil spill. Broodstock development is expected to be completed in FY 00.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Roger Sampson, Superintendent
Chugach School District
9312 Vanguard Drive, #100
Anchorage, Alaska 99507

RE: Project 00210 / Youth Area Watch

Dear Mr. Sampson:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $122,000 for Project 00210/Youth Area Watch. This includes $114,000 in direct project funds and $8,000 in ADFG's administrative costs. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Projects approved for FY 00 are approved in the expectation that they will be funded to their completion. However, the Trustee Council will annually evaluate a project's future funding needs based on its progress or results to date, overall restoration needs, and restoration funding constraints. The future years' funding projection for your project (including agency administrative costs) is $107,000 in FY 01 and $96,300 in FY 02; this will be reviewed on an annual basis.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00210	Youth Area Watch	R. Sampson/Chugach School District	ADFG	Cont'd 5th yr. 7 yr. project	$122.0	$0.0	$107.0	$96.3	$325.3

Project Abstract

This project links students in the oil spill impacted area with research and monitoring projects funded by the Trustee Council. The project involves students in the restoration process and provides these individuals the skills to participate in restoration now and in the future. Youth conduct research identified and delegated by principal investigators who have indicated interest in working with students. Youth Area Watch fosters long-term commitment to the goals set out in the restoration plan and is a positive community investment in that process. Participating communities in FY 00 will be Tatitlek, Chenega Bay, Cordova, Nanwalek, Port Graham, Seldovia, Seward, Valdez, Whittier and a remote site within the Chugach School District.

Chief Scientist's Recommendation

This is a highly successful project that involves young people from local communities in restoration projects. The proposers have reduced the budget as requested and have obtained significant cost sharing. Fund.

Trustee Council Action

Fund. This project is designed to involve local youth in restoration projects. In FY 00, youth in Chenega Bay, Cordova, Nanwalek, Port Graham, Seldovia, Seward, Tatitlek, Valdez, and Whittier will participate.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Marty Rutherford, Deputy Commissioner
Alaska Department of Natural Resources
550 West 7th Avenue Suite 1400
Anchorage, Alaska 99501

RE: Project 00180-CLO / Kenai Habitat Restoration and Recreation Enhancement

Dear Ms. Rutherford:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $10,700 for Project 00180/Kenai Habitat Restoration and Recreation Enhancement. This includes $9,500 in direct project funds and $1,200 in ADNR's administrative costs. A copy of the Council's action on your project is enclosed. Please note funding is for project close-out (final analysis and report writing) only.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Carol Fries, ADNR Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00180-CLO	Kenai Habitat Restoration and Recreation Enhancement	M. Rutherford/ADNR	ADNR	Cont'd 5th yr. 5 yr. project	$10.7	$0.0	$0.0	$0.0	$10.7

Project Abstract

This project will fund final report writing for Project /180. Adverse impacts to the banks of the Kenai River total approximately 19 miles of the river's 166-mile shoreline. Included in this total are 5.4 river miles of degraded shoreline on public land. Riparian habitats have been impacted by trampling, vegetation loss and structural development. This riparian zone provides important habitat for pink salmon, sockeye salmon and Dolly Varden, species injured by the oil spill. The project's objectives were to restore injured fish habitat, protect fish and wildlife habitat, enhance and direct recreation, and preserve the values and biophysical functions that the riparian habitat contributes to the watershed. Restoration/enhancement techniques included revegetation, streambank restoration, elevated boardwalks, floating docks, access stairs, fencing, signs, and educational interpretive displays.

Chief Scientist's Recommendation

This project will complete the final report on the Kenai River restoration work, in which the Trustee Council has made a substantial investment. Fund.

Trustee Council Action

Fund. FY 00 will be devoted to completion of the final report on this project, which since FY 96 has provided nearly $2 million to restore habitat along the Kenai River for the benefit of sockeye salmon and other fish species of commercial and recreational importance.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Don K. Button
UAF/IMS & Department of Chemistry
POB 757220
Fairbanks, Alaska 99701-7220

RE: Project 00446 / Long-Lived Bioactive Microbial Biooxidation Products from Petroleum

Dear Mr. Button:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00446/Long-Lived Bioactive Microbial Biooxidation Products from Petroleum. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00446	Long-Lived Bioactive Microbial Biooxidation Products From Petroleum	D. Button/UAF	ADFG	New 1st yr. 3 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

Toxicity is generated from biochemically inert hydrocarbons by oxidization to long-lived reactive derivatives. Bacteria carry out the oxidation, utilizing small concentrations of dissolved and oil-phase components. Most are excreted following the first oxidation step because of insufficient cytoplasmic enzymes and low amounts of the necessary permeases for active transport. These products, therefore, accumulate in the environment. Unlike hydrocarbons, the products are difficult to extract from seawater, but novel technology allows measurements. This project will attempt to determine the identity and dynamics of these accumulating components prior to toxicity experiments using defined conditions and compounds.

Chief Scientist's Recommendation

There is no doubt that the work proposed here would have been consistent with the goals of the early damage assessment work. Although we continue to follow up on questions of continuing toxicity to some resources (e.g., pink salmon), as time passes general questions about the fate and toxicity of oil become less important. It should be noted that during the damage assessment the Trustee Council sponsored studies to isolate and assess the toxicity of microbial metabolites. Results of these studies did not point to significant toxicity of hydrocarbon metabolites. The investigators for the current proposal are well qualified and their proposal is well prepared, but I cannot recommend that it be funded. Do not fund.

Trustee Council Action

Do not fund. Ten years after the spill, the Trustee Council's priority in regard to the fate and toxicity of oil targets key species, such as pink salmon. Furthermore, studies conducted during the damage assessment phase to assess the toxicity of microbial metabolites did not point to significant toxicity of hydrocarbon metabolites.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Glenn P. Brooks
18306 186th Place NE
Woodinville, Washington 98072

RE: Project 00400-BAA / Metadata for the *Exxon Valdez* Restoration Archive

Dear Mr. Brooks:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00400/Metadata for the *Exxon Valdez* Restoration Archive. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison
Sharon Kent, NOAA Contracting

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00400-BAA	Metadata for the *Exxon Valdez* Restoration Archive	G. Brooks	NOAA	New 1st yr. 1 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will develop metadata for all existing Trustee Council sponsored research and restoration activity. Metadata content standards will also be established to ensure future compatibility with mandated federal metadata requirements enacted in response to Executive Order Number 12906, dated June 1994, and implemented through the Alaska Geospatial Data Clearinghouse in 1996. Metadata training and orientation sessions will be offered to the public. Project results will include a spatially referenced framework in which oil spill data will be more easily identified, queried, and used by the public.

Chief Scientist's Recommendation

There is a clear need to develop and maintain metadata for datasets obtained with funding from the Trustee Council. This proposal, however, is lacking in several important respects. For example, it is unrealistic to expect that much of the needed information will be obtained from scientists simply by use of a form or questionnaire. The cost is rather low, but probably unrealistic for this reason. Further, the proposal does not address the number of datasets to be documented, nor the complexity of those datasets. These factors must be considered before the proposed budget can be evaluated. Do not fund.

Trustee Council Action

Do not fund. The *FY 00 Invitation* invited proposals to facilitate the transition of key data sets from the current restoration program to formats and systems where they are accessible for long term use, and there is a clear need to develop and maintain metadata for EVOS datasets. However, the Chief Scientist found this proposal to be lacking in several important respects.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Gregory T. Ruggerone, Ph.D.
Natural Resources Consultants, Inc.
4055 21st Avenue, W
Seattle, Washington 98199

RE: Project 00048-BAA / Publication: Historical Analysis of Sockeye Salmon Growth Among Populations Affected by the Oil Spill and Large Spawning Escapements

Dear Dr. Ruggerone:

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $10,300 for Project 00048/Publication: Historical Analysis of Sockeye Salmon Growth Among Populations Affected by the Oil Spill and Large Spawning Escapements. This includes $9,600 in direct project funds and $700 in NOAA's administrative costs. A copy of the Council's action on your project is enclosed.

Before a project may begin, the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. The lead agency must also execute a contract or Reimbursable Services Agreement with you. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in documenting NEPA compliance, or in executing a contract, will delay start of the project. For more information, please contact the NOAA representative:

Bruce Wright
National Oceanic and Atmospheric Administration
11305 Glacier Highway, Auke Bay, Alaska 99821
Phone 907-789-6600/Fax 907-789-6608

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bruce Wright, NOAA Liaison
Sharon Kent, NOAA Contracting

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TRUS : COUNCIL ACTION (8/9/99) / FY 00 WORK N

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00048-BAA	Publication: Historical Analysis of Sockeye Salmon Growth Among Populations Affected by the Oil Spill and Large Spawning Escapements	G. Ruggerone/NRC, Inc., D. Rogers/Univ. Wash.	NOAA	Cont'd 2nd yr. 2 yr. project	$10.3	$0.0	$0.0	$0.0	$10.3

Project Abstract

Trustee Council funded research by Ruggerone and Rogers (Project 96048) demonstrated that large spawning escapements can have long-term impacts on sockeye growth and adult returns. The findings have new and important consequences for stock-recruitment modeling, which is the basis for determining escapement levels that allow for maximum sustained harvest. The research also demonstrated that marine growth of sockeye salmon increased after the mid-1970s, corresponding to the increase in salmon production throughout Alaska and the ocean regime shift that has impacted numerous species. This project will fund preparation of two manuscripts for publication in peer reviewed journals.

Chief Scientist's Recommendation

This project has established the role of sockeye salmon escapements in determining productivity of some freshwater systems and documented lingering effects of the oil spill for up to three years. This extremely important evidence on growth and recruitment and ocean regime shifts needs to be published. Fund.

Trustee Council Action

Fund. The final report on the original project (96048, which established the role of salmon escapements in determining productivity of some freshwater systems) has been accepted by the Chief Scientist. FY 00 funding will provide for the project results to be published in the peer reviewed literature (two manuscripts will be prepared).

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Leslie Holland-Bartels, Ph.D.
USGS-BRD
1011 East Tudor Road
Anchorage, Alaska 99503-6119

RE: Project 00025-CLO / Mechanisms of Impact and Potential Recovery of Nearshore Vertebrate Predators (NVP)

Dear Dr. ~~Bartels:~~ Leslie

The *Exxon Valdez* Oil Spill Trustee Council acted on the Fiscal Year 2000 Work Plan at its meeting on August 9, 1999. I am pleased to inform you that the Council approved funding in the amount of $196,000 for Project 00025/NVP contingent on submitting to the Chief Scientist the final project report (due September 30, 1999). Funding includes $178,600 in direct project funds and $17,400 in DOI's administrative costs. A copy of the Council's action on your project is enclosed. Please note that FY 00 is expected to be the final year of Trustee Council contribution to this project.

In addition to satisfying the condition specified above, before a project may begin the lead agency for the project must provide documentation to the Executive Director showing that the requirements of the National Environmental Policy Act (NEPA) have been met. We hope that for most projects this will occur before October 1, 1999. If so, you may receive authorization from the Executive Director to begin the FY 00 project on that date. Any delay in satisfying the condition or documenting NEPA compliance will delay start of the project. If you have any questions, please contact the Trustee Council liaison for your lead agency.

Thank you for your participation in the *Exxon Valdez* oil spill restoration program. We appreciate your continued interest, and look forward to working with you this coming year.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Dede Bohn, DOI-USGS Liaison
Bruce Wright, NOAA Liaison
Claudia Slater, ADFG Liaison

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TRUS COUNCIL ACTION (8/9/99) / FY 00 WORK N

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00025-CLO	Mechanisms of Impact and Potential Recovery of Nearshore Vertebrate Predators (NVP)	L. Holland-Bartels/USGS-BRD, et al	DOI	Cont'd 6th yr. 6 yr. project	$196.0	$0.0	$0.0	$0.0	$196.0

Project Abstract

FY 00 will be dedicated to revising portions of the FY 99 final report for publication in peer reviewed journals. Nine manuscripts are slated to be published collectively and 13 additional manuscripts will be submitted to separate journals in FY 00. Funds will be used for responding to review comments, final analysis, and preparation of scientific journal articles. This six-year project is making an integrated assessment of trophic, health, and demographic factors across a suite of apex predators injured by the spill to determine mechanisms constraining recovery and to improve knowledge of the status of recovery.

Chief Scientist's Recommendation

Publication of the synthesis manuscripts should be the primary focus for this project, with secondary consideration for other manuscripts and conference attendance, in that order. Fund.

Trustee Council Action

Fund contingent on submittal of the Project /025 final report (due September 30, 1999). This will be the final Trustee Council contribution to this multi-year project, which is determining whether sea otters, river otters, harlequin ducks, and pigeon guillemots are recovering from the oil spill and whether recruitment processes, continuing exposure to oil, or food availability are limiting recovery. A final report is being prepared in FY 99. FY 00 will be devoted to publication of manuscripts in the peer reviewed literature.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Angela Doroff
USFWS MMM
1011 East Tudor Road
Anchorage, Alaska 99503-6119

Jim Bodkin
USGS-BRD
1011 East Tudor Road
Anchorage, Alaska 99503-6119

RE: Project 00469 / Sea Otter Baseline Population Surveys

Dear Ms. Doroff and ~~Mr. Bodkin~~ Jim:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00469/Sea Otter Baseline Population Surveys. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Dede Bohn, DOI-USGS Liaison
Ken Holbrook, USFS Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00469	Sea Otter Baseline Population Surveys	A. Doroff/USFS, J. Bodkin/USGS-BRD	DOI	New 1st yr. 2 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will conduct aerial surveys of sea otters along the Kenai Peninsula and Kodiak Archipelago, using methods developed through previous Trustee Council funded projects. The current status of sea otter populations affected by the oil spill outside of Prince William Sound is unknown. Only one sea otter survey has been conducted in this area since 1990. In addition, large-scale declines in sea otter populations across the western and central Aleutians have been observed in recent years. The declines in sea otters may be a result of predation by killer whales in response to declines in other pinniped species in the Bering Sea and Gulf of Alaska. If the decline in sea otters is related to pinniped declines through prey switching, the phenomenon may extend into the spill area.

Chief Scientist's Recommendation

This proposal is to revisit sites on the Kenai coast and Kodiak to census sea otter populations that have not been counted for several years. The principal investigators are very qualified to perform the work, and the cost is reasonable. Given the uncertainty in such population counts, this project is only likely to detect large changes in populations. Do not fund.

Trustee Council Action

Do not fund based on Chief Scientist's recommendation. This project would repeat aerial surveys of sea otters in the Kodiak Archipelago and along the Kenai Peninsula last conducted in 1994 and 1989 respectively. The survey method proposed is only likely to detect large changes in population and would not be able to tease out oil spill effects.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Lawrence R. Hott
Florentine Films/Hott Productions
20 Kingsley Avenue
Haydenville, Massachuset 010309

Tom Litwin
The Clark Science Center
Smith College
Northampton, Massachuset 01063

RE: Project 00418 / The 1899 Harriman Alaska Expedition Retraced: A Century of Change

Dear Mr. Hott and Mr. Litwin:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00418/The 1899 Harriman Alaska Expedition Retraced: A Century of Change. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Claudia Slater, ADFG Liaison

TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00418	The 1899 Harriman Alaska Expedition Retraced: A Century of Change	L. Hott, T. Litwin/Smith College	ADFG	New 1st yr. 2 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will bring scientists, naturalists, and artists to the Alaskan coast to observe anew the sites visited by the Harriman Alaska Expedition of 1899. Florentine Films/Hott Productions is producing two one-hour films for broadcast, and an educational and outreach program that will bring together the dynamic elements of both the 1899 and modern expeditions. The viewer will be introduced to the coast affected by the spill, to the conflict between resource management and preservation, and to the restoration efforts of the Trustee Council.

Chief Scientist's Recommendation

The idea of retracing the 1899 Harriman Expedition and using it as a benchmark to compare the Alaska of then and today is intriguing, and the proposal is well written and attractive. While there is the potential for restoration of passive uses by exposing a national public television audience to what has been learned and accomplished in the restoration program, the actual benefit is uncertain. It isn't clear what proportion of the final products would relate to EVOS, nor are the methods for some of the central ideas in the proposal, such as comparing sites visited then and today, described fully. I would like to recommend the project be funded, but the priority is low relative to other needs, although all efforts to coordinate and cooperate with the expedition should be encouraged. Do not fund.

Trustee Council Action

Do not fund. The production of a film documenting the retracing of the 1899 Harriman Expedition is an exciting idea that should generally increase public awareness of the spill area and may inform viewers of some of the findings of the restoration program. However, other proposals would more directly share restoration results with the public.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Michael Tetreau
Kenai Fjords National Park
POB 1727
Seward, Alaska 99664-1727

Karen A. Murphy
USFWS
Division of Refuges
1011 East Tudor Road
Anchorage, Alaska 99503

RE: Project 00413 / Assessment of Human Disturbance to Nesting Black Oystercatchers

Dear Mr. Tetreau and ~~Ms. Murphy~~ Karen:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00413/Assessment of Human Disturbance to Nesting Black Oystercatchers. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Bud Rice, DOI-NPS Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00413	Assessment of Human Disturbance to Nesting Black Oystercatchers	M. Tetreau/NPS, K. Murphy/USFS	DOI	New 1st yr. 1 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will follow up on work begun by (and funded by) the National Park Service in Kenai Fjords National Park in FY 99. A controlled field study will be conducted to determine the impacts, if any, of recreational campers on the behavior of nesting black oystercatchers. Each selected nest will be observed in undisturbed, disturbed, and post-disturbed states and quantified behavioral observations will be compared. The pilot study being conducted at Kenai Fjords National Park may dictate changes in the methods proposed here. The results of this research will directly effect how backcountry use in Kenai Fjords National Park and the Glacier Ranger District of the Chugach National Forest will be managed, and will be applicable to other coastal areas as well.

Chief Scientist's Recommendation

This project addresses possible recreation impacts on nesting black oystercatchers. This problem may become increasingly important, and this interesting project may suggest ways that natural resource managers can mitigate such impacts. While this proposal has merit, there are concerns about whether samples sizes are sufficient, the disturbance effects of the observers themselves, and the approach to statistical analyses. The cost sharing with the National Park Service is attractive. It may be desirable to fund this project, but I consider it to be a low priority. Do not fund.

Trustee Council Action

Do not fund. The Chief Scientist has raised technical concerns with this proposal, which would expand on the objectives of the Human Use Model (Project /339) by focusing on one particular species, the black oystercatcher.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

August 10, 1999

Juli Braund-Allen
Environment & Natural Resource Institute
University of Alaska Anchorage
707 A Street
Anchorage, Alaska 99501

Julie Michaelson
Alaska Natural Heritage Program
University of Alaska Anchorage
707 A Street
Anchorage, Alaska 99501

RE: Project 00398 / Archive and Enhanced World Wide Web Dissemination System

Dear Ms. Braund-Allen and Ms. Michaelson:

The *Exxon Valdez* Oil Spill Trustee Council received more than $16 million in proposals for Fiscal Year 2000. Unfortunately, it was not possible to fund all projects that were submitted.

In June I notified you of my recommendation that the Trustee Council not fund Project 00398/Archive and Enhanced World Wide Web Dissemination System. The Council acted on the FY 2000 Work Plan on August 9, 1999. This letter is to inform you that the Council accepted my recommendation and did not fund your project for FY 00. A copy of the Council's action on your project is enclosed.

I appreciate your interest in the restoration program and hope you will consider submitting proposals in future years.

Sincerely,

Molly McCammon
Executive Director

Enclosure

cc: Carol Fries, ADNR Liaison

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TRUSTEE COUNCIL ACTION (8/9/99) / FY 00 WORK PLAN

Proj.No.	Project Title	Proposer	Lead Agency	New or Cont'd	TC Approve 8/9/99	Deferred to December	FY01 Recom.	FY02 Recom.	Total FY00-02
00398	Archive and Enhanced World Wide Web Dissemination System	J. Braund-Allen, J. Michaelson/UAA	ADNR	New 1st yr. 2 yr. project	$0.0	$0.0	$0.0	$0.0	$0.0

Project Abstract

This project will develop the prototype of a comprehensive data and information management system to archive and disseminate all past, ongoing, and future data developed through the restoration program. Sample data will be selected, including research final reports, GIS spatial datasets, databases, maps and videos. These representative data types will be physically archived; integrated using GIS, database mapping, graphic design, and library capabilities; and formatted as Internet-ready products. Documentation will be written for each dataset. A graphic user interface will be designed to allow easy user access. These products will be assembled and posted on the worldwide web to show an example of how restoration data could be integrated and efficiently distributed.

Chief Scientist's Recommendation

While use of the Internet for the dissemination of EVOS research results and data is a worthy goal, the premise of this project that "all EVOS data and information" should be made available on the web is inadequately supported. The goal of developing an archive of hardcopy materials seems duplicative of the service now provided to the Trustee Council by Alaska Resources Library and Information Services (ARLIS), and the goal of testing a prototype of a web-based system should be met substantially by CIIMMS (Project /391). The proposal does not address the differential value of disseminating information and data, nor does the proposal reflect the diverse nature of the data they propose to collect and disseminate. Do not fund.

Trustee Council Action

Do not fund. Although the *FY 00 Invitation* invited proposals to facilitate the transition of key data sets from the current restoration program to formats and systems where they are accessible for long term use, other proposals (e.g., 00455/Evaluation of Data System for EVOS Long Term Monitoring Program) will more directly address the Trustee Council's future data management needs.

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax: 907/276-7178

MEMORANDUM

TO: Agency Liaisons

FROM: Traci Cramer
Administrative Officer

DATE: August 6, 1999

RE: DRAFT Resolution for Court Request #40

As I mentioned in my memorandum dated August 3, 1999, a final decision regarding distribution of project 00126 'Habitat Protection and Acquisition Support' had yet to be made. Attached for your immediate review is an amended resolution and supporting spreadsheet that includes project 00126 funding.

Please review these documents and let me know if changes are needed.

Thank you for your assistance. If you have any questions, please give me a call at (907) 586-7238.

cc: Molly McCammon
Sandra Schubert
Robert Baldauf

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax: 907/276-7178

RESOLUTION OF THE

EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL

We, the undersigned, duly authorized members of the *Exxon Valdez* Oil Spill Trustee Council do hereby certify that, in accordance with the Memorandum of Agreement and Consent Decree entered as settlement of United States of America v. State of Alaska, No. A91-081 Civil, U.S. District Court for the District of Alaska, and after public meetings, unanimous agreement has been reached to expend funds received in settlement of State of Alaska v. Exxon Corporation, et al., No. A91-083 CIV, and United States of America v. Exxon Corporation, et al., No. A91-082 CIV, U.S. District Court for the District of Alaska, for necessary natural resource damage assessment and restoration activities. The resolution includes $78,700 for the Fiscal Year 1999 Work Plan and $9,837,700 to implement the Fiscal Year 2000 Work Plan.

The monies are to be distributed according to the following schedule:

Alaska Department of Fish & Game	4,019,400
Alaska Department of Natural Resources	744,800
Alaska Department of Environmental Conservation	125,700
SUBTOTAL TO STATE OF ALASKA	$4,889,900
U.S. Department of Agriculture, Forest Service	187,600
U.S. Department of the Interior	2,138,900
National Oceanic & Atmospheric Administration	2,700,000
SUBTOTAL TO UNITED STATES OF AMERICA	$5,026,500
TOTAL APPROVED	$9,916,400

By unanimous consent, we hereby request the Attorney General of the State of Alaska and the Assistant Attorney General of the Environmental and Natural Resources Division of the United States Department of Justice to petition the United States District Court for the District of Alaska for the withdrawal of the sum of $9,916,400 from the Court Registry Account established as a result of the governments' settlement with Exxon Corporation. Of this amount $5,026,500 shall go to the United States and $4,889,900 shall go to the State of Alaska.

_____ Dated _____
DAVE GIBBONS
Trustee Representative
Alaska Region
USDA Forest Service

_____ Dated _____
BRUCE M. BOTELHO
Attorney General
State of Alaska

_____ Dated _____
MARILYN HEIMAN
Special Assistant to the
Secretary for Alaska
U.S. Department of the Interior

_____ Dated _____
STEVEN PENNOYER
Director, Alaska Region
National Marine Fisheries Service

_____ Dated _____
FRANK RUE
Commissioner
Alaska Department of Fish and Game

_____ Dated _____
MICHELE BROWN
Commissioner
Alaska Department of Fish and Game

EXXON VALDE USTEE COUNCIL
1999 Federal Fi... ear Project Budget
October 1, 1998 - September 30, 1999

Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#35 1999 Court Request	Second CR#38 1999 Court Request	Third CR#40 1999 Court Request	Total
ADEC	All	99100	Administration, Science Management and Public Information	61.2			61.2
		99250	Project Management			12.7	12.7
		99291	Chenega-Area Shoreline Residual Oiling Reduction		9.3		9.3
		99304	Kodiak Island Borough Master Waste Management Plan	1,857.1			1,857.1
	ADNR/USFS	99391	Information Management/Monitoring System	88.7			88.7
		99514	Lower Cook Inlet Waste Management Plan	54.5			54.5
			ADEC Total	**2,061.5**	**9.3**	**12.7**	**2,083.5**
ADF&G	DOI/NOAA	99025	Mechanisms of Impact and Potential Recovery of Nearshore Vertebrate Predators (NVP)	38.1	10.7		48.8
		99052A	Community Involvement	243.4			243.4
		99052B	Traditional Ecological Knowledge	24.7	14.2		38.9
		99064	Monitoring, Habitat Use, and Trophic Interactions of Harbor Seals in Prince William Sound	263.3			263.3
	All	99100	Administration, Science Management and Public Information	1,594.3		-25.7	1,568.6
	ADNR/DOI/USFS	99126	Habitat Protection and Acquisition Support	22.4			22.4
		99127	Tatitlek Coho Salmon Release	10.7			10.7
		99131	Chugach Native Region Clam Restoration	83.4	222.8		306.2
		99139A2	Port Dick Creek Tributary Restoration and Development	85.8			85.8
		99162A	Investigations of Disease Factors Affecting Declines of Pacific Herring Populations: Manuscripts/Conference Attendance (Part A)	58.6			58.6
		99162B	Investigations of Disease Factors Affecting Declines of Pacific Herring Populations: Manuscripts/Conference Attendance (Part B)	13.4			13.4
	NOAA/DOI	99163L	APEX: Historical Data Review	29.1			29.1
		99163T	APEX: Aerial Surveys	58.2			58.2
		99188-CLO	Otolith Thermal Mass Marking of Hatchery Reared Pink Salmon In Prince William Sound	185.2			185.2
		99190	Construction of a Linkage Map for the Pink Salmon Genome	212.1	57.9		270.0
		99191A-CLO	Field Examination of Oil-Related Embryo Mortalities in Pink Salmon Populations in Prince William Sound	58.4			58.4
		99196-CLO	Genetic Structure of Prince William Sound Pink Salmon	50.0			50.0
		99210	Youth Area Watch	150.4			150.4
		99225	Port Graham Pink Salmon Subsistence Project	75.6			75.6
		99245	Community-Based Harbor Seal Management and Biological Sampling	70.7			70.7
		99247	Kametolook River Coho Salmon Subsistence Project	20.8			20.8
	ADNR/USFS/DOI/NOAA	99250	Project Management	239.0			239.0

EXXON VALDE JSTEE COUNCIL
1999 Federal Fiscal Year Project Budget
October 1, 1998 - September 30, 1999

Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#35 1999 Court Request	Second CR#38 1999 Court Request	Third CR#40 1999 Court Request	Total
		99252	Investigations of Genetically Important Conservation Units of Rockfish and Walleye Pollock	232.5	75.8		308.3
	USFS	99256B	Sockeye Salmon Stocking at Solf Lake	39.1			39.1
		99263	Assessment, Protection and Enhancement of Salmon Streams in Lower Cook Inlet		42.1		42.1
		99273	Surf Scoter Life History and Ecology	206.2			206.2
		99278	Development of an Ecological Characterization and Site Profile for Kachemak Bay/Lower Cook Inlet	70.0			70.0
		99311	Pacific Herring Productivity Dependencies in the Prince William Sound Ecosystem Determined with Natural Stable Isotope Tracers	90.0			90.0
		99320E-CLO	SEA: Salmon and Herring Predation	91.7			91.7
		99320G-CLO	SEA: Phytoplankton and Nutrients	74.9			74.9
		99320H-CLO	SEA: Role of Zooplankton	54.8			54.8
		99320R-CLO	SEA: Trophodynamic Modeling and Remote Sensing	74.9			74.9
		99320T-CLO	SEA: Juvenile Herring Growth and Habitats	160.5			160.5
		99320T-SUPP	SEA: Supplement - Herring Traditional Ecological Knowledge	25.1			25.1
		99320U-CLO	SEA: Somatic Energetics	74.9			74.9
		99320Z1-CLO	SEA: Synthesis and Integration	89.9			89.9
	NOAA	99325-BAA	Assessment of Injury to Intertidal and Nearshore Subtidal Communities: Preparation of Manuscripts	18.5			18.5
	DOI	99327	Pigeon Guillemot Restoration Research at the Alaska SeaLife Center	5.5	12.3		17.8
		99340	Toward Long-Term Oceanographic Monitoring of the Gulf of Alaska Ecosystem	91.4			91.4
		99341	Harbor Seal Recovery: Controlled Studies of Health and Diet	194.2	162.6		356.8
		99348	Responses of River Otters to Oil Contamination: A Controlled Study of Biological Stress Markers and Foraging Success	240.1	76.5		316.6
		99366	Improved Salmon Escapement Enumeration Using Remote Video and Time-Lapse Recording Technology	52.0			52.0
		99367	Synthesis and Publication of Fisheries Research	73.1			73.1
		99371	Effects of Harbor Seal Metabolism on Stable Isotope Ratio Tracers	110.2	9.8		120.0
		99375	Effects of Herring Egg Distribution and Ecology on Year-Class Strength and Adult Distribution	76.5			76.5
		99379	Assessment of Risk Caused by Residual Oil in Prince William Sound Using P450 Activity in Fishes		115.5		115.5
	USFS	99405	Port Graham Salmon Hatchery Reconstruction		777.5		777.5
		99441	Harbor Seal Recovery: Effects of Diet on Lipid Metabolism and Health	140.9	17.5		158.4
		99462	Effect of Disease on Pacific Herring Population Recovery in Prince William Sound	75.1			75.1

EXXON VALDE JSTEE COUNCIL
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Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#35 1999 Court Request	Second CR#38 1999 Court Request	Third CR#40 1999 Court Request	Total
		99470	Legacy of an Oil Spill: 10 Years After *Exxon Valdez*	152.0	8.7		160.7
		99471	Updating the Status of Services Reduced or Lost Due to the Oil Spill	195.0			195.0
			ADF&G Total	**6,296.6**	**1,603.9**	**-25.7**	**7,874.8**
ADNR	USFS/DOI	99007A	Archaeological Index Site Monitoring	91.8			91.8
	All	99100	Administration, Science Management and Public Information	555.1			555.1
	ADF&G/USFS/DOI	99126	Habitat Protection and Acquisition Support	316.5			316.5
	DOI	99149	Archaeological Site Stewardship	9.9			9.9
	USFS	99180	Kenai Habitat Restoration & Recreation Enhancement	199.6			199.6
	ADF&G/USFS/DOI/NOAA	99250	Project Management	25.5			25.5
		99300	Synthesis of the Scientific Findings from the *Exxon Valdez* Oil Spill Restoration Program	80.3			80.3
		99314	Homer Mariner Park Habitat Assessment and Restoration Design Project	99.5			99.5
	USFS/DOI	99339	Prince William Sound Human Use and Wildlife Disturbance Model	13.5			13.5
	ADEC/USFS	99391	Information Management/Monitoring System	238.7			238.7
			ADNR Total	**1,630.4**	**0.0**	**0.0**	**1,630.4**
USFS	ADNR/DOI	99007A	Archaeological Index Site Monitoring	28.0			28.0
		99043B-CLO	Monitoring of Cutthroat Trout and Dolly Varden Habitat Improvement Structures	9.5			9.5
	All	99100	Administration, Science Management and Public Information	54.4			54.4
	ADF&G/ADNR/DOI	99126	Habitat Protection and Acquisition Support	248.6			248.6
		99145-CLO	Cutthroat Trout and Dolly Varden: Relation Among and Within Populations of Anadromous and Resident Forms	50.1			50.1
	ADNR	99180	Kenai Habitat Restoration & Recreation Enhancement	100.0			100.0
	ADF&G/ADNR/DOI/NOAA	99250	Project Management	22.4			22.4
	ADF&G	99256B	Sockeye Salmon Stocking at Solf Lake	29.2			29.2
		99320Q-CLO	SEA: Bird Predation on Herring Spawn	11.3			11.3
	ADNR/DOI	99339	Prince William Sound Human Use and Wildlife Disturbance Model	53.7		-5.2	48.5
		99346	Publication of an Indexed Bibliography of the Genus Ammodytes (Sand Lance)	10.4			10.4
	NOAA	99368	Maps Depicting Environmentally Sensitive Areas in Prince William Sound (Summary Seasonal Maps Only)	5.2			5.2
		99381	Status of Seabird Colonies in Northeastern Prince William Sound		13.0		13.0
	ADEC/ADNR	99391	Information Management/Monitoring System	7.6			7.6
	ADF&G	99405	Port Graham Salmon Hatchery Reconstruction		3.8		3.8
	ADF&G	99470	Legacy of an Oil Spill: 10 Years After *Exxon Valdez*		10.1		10.1

EXXON VALDE JSTEE COUNCIL
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Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#35 1999 Court Request	Second CR#38 1999 Court Request	Third CR#40 1999 Court Request	Total
			USFS Total	**630.4**	**26.9**	**-5.2**	**652.1**
DOI-FWS	ADNR/USFS	99007A	Archaeological Index Site Monitoring	16.5			16.5
		99144A	Common Murre Population Monitoring	72.6			72.6
	ADNR	99149	Archaeological Site Stewardship	5.3			5.3
		99159	Surveys to Monitor Marine Bird Abundance in Prince William Sound during Winter and Summer 1998	37.0			37.0
		99163B	APEX: Seabird Interactions	120.9			120.9
		99163E	APEX: Kittiwakes	246.8		66.0	312.8
		99163F	APEX: Guillemots	188.5			188.5
		99163J	APEX: Barren Islands Seabird Studies	115.7			115.7
		99163K	APEX: Large Fish as Samplers	12.0			12.0
		99163R	APEX: Marbled Murrelet Productivity	114.7			114.7
	USFS	99339	Prince William Sound Human Use and Wildlife Disturbance Model			5.2	5.2
		99434	East Amatuli Island Remote Video Link		75.8		75.8
			DOI-FWS Subtotal	**930.0**	**75.8**	**71.2**	**1,077.0**
DOI-USGS	ADF&G/NOAA	99025	Mechanisms of Impact and Potential Recovery of Nearshore Vertebrate Predators (NVP)	412.9	-10.7		402.2
	ADF&G/NOAA	99163L	APEX: Historical Data Review	22.8			22.8
		99163M	APEX: Response of Seabirds to Forage Fish Density	267.7			267.7
		99169	A Genetic Study to Aid in Restoration of Murres, Guillemots and Murrelets in the Gulf of Alaska	92.7			92.7
		99306	Ecology and Demographics of Pacific Sand Lance in Lower Cook Inlet	30.0			30.0
	ADF&G	99327	Pigeon Guillemot Restoration Research at the Alaska SeaLife Center	160.6			160.6
		99338	Survival of Adult Murres and Kittiwakes in Relation to Forage Fish Abundance	57.9			57.9
		99423	Pattern and Processes of Population Change in Selected Nearshore Vertebrate Predators	60.0			60.0
	NOAA	99459	Residual Oiling of Armored Beaches and Mussel Beds in the Gulf of Alaska		114.5		114.5
		99466	Recovery Status of Barrow's Goldeneyes		12.2		12.2
		99479	Effects of Food Stress on Survival and Reproductive Performance of Seabirds	84.7			84.7
			DOI-USGS Subtotal	**1,189.3**	**116.0**	**0.0**	**1,305.3**

EXXON VALDE JSTEE COUNCIL
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Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#35 1999 Court Request	Second CR#38 1999 Court Request	Third CR#40 1999 Court Request	Total
DOI-NPS	ADNR/USFS	99007A	Archaeological Index Site Monitoring	15.2			15.2
			DOI-NPS Subtotal	**15.2**	**0.0**	**0.0**	**15.2**
DOI-O/S	All	99100	Administration, Science Management and Public Information	148.4		25.7	174.1
	ADF&G/ADNR/USFS	99126	Habitat Protection and Acquisition Support	182.9			182.9
	ADF&G/ADNR/USFS/NOAA	99250	Project Management	72.5			72.5
			DOI-O/S Subtotal	**403.8**	**0.0**	**25.7**	**429.5**
			DOI Total	**2,538.3**	**191.8**	**96.9**	**2,827.0**
NOAA		99012A-BAA	Comprehensive Killer Whale Investigation in Prince William Sound	85.4			85.4
	ADF&G/DOI	99025	Mechanisms of Impact and Potential Recovery of Nearshore Vertebrate Predators (NVP)	49.0			49.0
		99090	Monitoring of Oiled Mussel Beds in Prince William Sound	150.0			150.0
	All	99100	Administration, Science Management and Public Information	82.3			82.3
		99163A	APEX: Forage Fish Assessment	272.4			272.4
		99163G	APEX: Seabird Energetics	179.1			179.1
		99163I	APEX: Project Management	98.8			98.8
	ADF&G/DOI	99163L	APEX: Historical Data Review	38.3			38.3
		99163O	APEX: Statistical Review	32.1			32.1
		99163Q	APEX: Modeling	72.2			72.2
		99163S	APEX: Jellyfish as Competitors and Predators of Fishes	116.8			116.8
		99195	Pristane Monitoring in Mussels	96.7			96.7
	ADF&G/ADNR/USFS/DOI	99250	Project Management	94.8			94.8
		99289-BAA	Status of Black Oystercatchers in Prince William Sound		8.6		8.6
		99290	Hydrocarbon Data Analysis, Interpretation, and Database Maintenance	58.9			58.9
		99320M-CLO	SEA: Physical Oceanography	62.5			62.5
		99320N-BAA	SEA: Nekton and Plankton Acoustics	51.1			51.1
		99320Y-CLO	SEA: Bird Predation on Salmon Fry	10.7			10.7
		99320Z2-CLO	SEA: Synthesis and Integration	69.6			69.6
	ADF&G	99325-BAA	Assessment of Injury to Intertidal and Nearshore Subtidal Communities: Preparation of Manuscripts	22.6			22.6
		99328	Synthesis of the Toxicological and Epidemiological Impacts of the Oil Spill on Pacific Herring	46.1			46.1
		99329	Synthesis of the Toxicological Impacts on Pink Salmon	44.4	24.5		68.9
		99330-BAA	Mass-Balance Model of Trophic Fluxes in Prince William Sound	149.8			149.8

EXXON VALDE JSTEE COUNCIL
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Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#35 1999 Court Request	Second CR#38 1999 Court Request	Third CR#40 1999 Court Request	Total
		99347	Fatty Acid Profile and Lipid Class Analysis for Estimating Diet Composition and Quality at Different Trophic Levels	92.6			92.6
		99361-BAA	Dynamic Graphical Techniques for Ecosystem Synthesis, Communication and Product Delivery		25.6		25.6
	USFS	99368	Maps Depicting Environmentally Sensitive Areas in Prince William Sound (Summary Seasonal Maps Only)	32.1			32.1
		99393-BAA	Prince William Sound Food Webs: Structure and Change		125.0		125.0
		99401	Assessment of Spot Shrimp Abundance in Prince William Sound		38.3		38.3
	DOI	99459	Residual Oiling of Armored Beaches and Mussel Beds in the Gulf of Alaska		10.4		10.4
		99468-BAA	FEATS: Fundamental Estimations of Acoustic Target Strength	146.6			146.6
		99476	Effects of Oiled Incubation Substrate on Pink Salmon Reproduction	74.1			74.1
			NOAA Total	**2,229.0**	**232.4**	**0.0**	**2,461.4**
			Total	**15,386.2**	**2,064.3**	**78.7**	**17,529.2**

EXXON VALDE JSTEE COUNCIL
2000 Federal Fi ear Project Budget
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Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#40 2000 Court Request
ADEC	All	00100	Public Information, Science Management and Administration	44.8
		00250	Project Management	27.9
	ADF&G/ADNR/DOI/NOAA	00530	Lessons Learned: Evaluating Scientific Sampling of Oil Spill Effects	31.0
	ADNR	00567	Monitoring Environmental Contaminants in the Northern Gulf of Alaska	9.3
			ADEC Total	**113.0**
	NOAA/DOI	00025-CLO	Mechanisms of Impact and Potential Recovery of Nearshore Vertebrate Predators (NVP)	22.2
		00052	Community Involvement/Traditional Ecological Knowledge	201.5
		00064-CLO	Monitoring, Habitat Use, and Trophic Interactions of Harbor Seals in Prince William Sound	129.4
	All	00100	Public Information, Science Management and Administration	1,374.0
	ADNR/DOI/USFS	00126	Habitat Protection and Acquisition Support	15.8
		00139A2	Port Dick Creek Tributary Restoration and Development	46.6
	NOAA/DOI	00163L	APEX: Historical Data Review	8.3
		00163T	APEX: Aerial Surveys	91.0
		00190	Construction of a Linkage Map for the Pink Salmon Genome	331.0
		00210	Youth Area Watch	122.0
		00225	Port Graham Pink Salmon Subsistence Project	75.0
		00245	Community-Based Harbor Seal Management and Biological Sampling	56.5
		00247	Kametolook River Coho Salmon Subsistence Project	23.2
	ADNR/USFS/DOI/NOAA	00250	Project Management	154.9
		00263	Assessment, Protection and Enhancement of Salmon Streams in Lower Cook Inlet	23.4
		00273	Surf Scoter Life History and Ecology: Linking Satellite Technology with Traditional Knowledge to Conserve the Resource	205.4
		00278	Development of an Ecological Characterization and Site Profile for Kachemak Bay/Lower Cook Inlet	44.1
	DOI	00327	Pigeon Guillemot Restoration Research at the Alaska SeaLife Center	20.4
		00340	Toward Long-Term Oceanographic Monitoring of the Gulf of Alaska Ecosystem	65.9
		00341	Harbor Seal Recovery: Controlled Studies of Health and Diet	216.1
		00348-CLO	Responses of River Otters to Oil Contamination: A Controlled Study of Biological Stress Markers	50.6
		00371	Effects of Harbor Seal Metabolism on Stable Isotope Ratio Tracers	163.1

EXXON VALDI USTEE COUNCIL
2000 Federal Fi... ear Project Budget
October 1, 1999 - September 30, 2000

Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#40 2000 Court Request
		00375	Effects of Herring Egg Distribution and Ecology on Year-Class Strength and Adult Distribution	48.0
		00407	Harlequin Duck Population Dynamics	63.8
	DOI	00423	Patterns and Processes of Population Change in Selected Nearshore Vertebrate Predators	36.8
		00441	Harbor Seal Recovery: Effects of Diet on Lipid Metabolism and Health	191.6
		00462	Effect of Disease on Pacific Herring Population Recovery in Prince William Sound	74.6
	DOI	00478	Testing Satellite Tags in Halibut as a Tool for Identifying Critical Habitat	31.1
		00509	Long-Term Monitoring of Harbor Seal Populations: Development of an Experimental Design	51.8
	ADEC/ADNR/DOI/NOAA	00530	Lessons Learned: Evaluating Scientific Sampling of Oil Spill Effects	11.8
	DOI	00605	Information Transfer to Resource Managers, Stakeholders, and the General Public	12.9
		00610	Kodiak Island Youth Area Watch	61.8
	ADNR	00630	Planning for Long-Term Research and Monitoring Program	20.5
			ADF&G Total	**4,045.1**
ADNR	USFS/DOI	00007A-CLO	Archaeological Index Site Monitoring	68.5
	All	00100	Public Information, Science Management and Administration	404.6
	ADF&G/USFS/DOI	00126	Habitat Protection and Acquisition Support	163.0
	USFS	00180-CLO	Kenai Habitat Restoration & Recreation Enhancement	10.7
		00250	Project Management	25.5
	ADEC/ADF&G/DOI/NOAA	00530	Lessons Learned: Evaluating Scientific Sampling of Oil Spill Effects	8.3
	ADF&G	00630	Planning for Long-Term Research and Monitoring Program	64.2
			ADNR Total	**744.8**
USFS	ADNR/DOI	00007A-CLO	Archaeological Index Site Monitoring	9.8
	All	00100	Public Information, Science Management and Administration	37.4
	ADF&G/ADNR/DOI	00126	Habitat Protection and Acquisition Support	110.2
	ADF&G/ADNR/DOI/NOAA	00250	Project Management	21.4
		00339	Publication: Western Prince William Sound Human Use and Wildlife Disturbance Model	14.0
			USFS Total	**192.8**

EXXON VALDE JSTEE COUNCIL
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Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#40 2000 Court Request
DOI-FWS	ADNR/USFS	00007A-CLO	Archaeological Index Site Monitoring	11.9
		00144A	Common Murre Population Monitoring	15.4
		00159	Surveys to Monitor Marine Bird Abundance in Prince William Sound during Winter and Summer 2000	233.6
		00163B	APEX: Seabird Interactions	90.0
		00163E	APEX: Kittiwakes	92.0
		00163F	APEX: Guillemots	83.1
		00163J	APEX: Barren Islands Seabird Studies	73.8
		00163K	APEX: Large Fish as Samplers	17.6
		00163R	APEX: Marbled Murrelet Productivity	92.8
			DOI-FWS Subtotal	**710.2**
DOI-USGS	ADF&G/NOAA	00025-CLO	Mechanisms of Impact and Potential Recovery of Nearshore Vertebrate Predators (NVP)	151.0
	ADF&G/NOAA	00163L	APEX: Historical Data Review	8.4
		00163M	APEX: Response of Seabirds to Forage Fish Density	181.9
		00169-CLO	A Genetic Study to Aid in Restoration of Murres, Guillemots and Murrelets in the Gulf of Alaska	19.2
		00306	Ecology and Demographics of Pacific Sand Lance in Lower Cook Inlet	20.0
	ADF&G	00327	Pigeon Guillemot Restoration Research at the Alaska SeaLife Center	172.4
		00338	Survival of Adult Murres and Kittiwakes in Relation to Forage Fish Abundance	59.7
	ADF&G	00423	Pattern and Processes of Population Change in Selected Nearshore Vertebrate Predators	148.6
	NOAA	00459	Residual Oiling of Armored Beaches and Mussel Beds in the Gulf of Alaska	35.7
		00466-CLO	Recovery Status of Barrow's Goldeneyes	14.8
	ADF&G	00478	Testing Satellite Tags in Habitat as a Tool for Identifying Critical Habitat	75.0
		00479	Effects of Food Stress on Survival and Reproductive Performance of Seabirds	125.2
	ADF&G	00605	Information Transfer to Resource Managers, Stakeholders, and the General Public	6.9
			DOI-USGS Subtotal	**1,018.8**
DOI-O/S	All	00100	Public Information, Science Management and Administration	110.2

EXXON VALD USTEE COUNCIL
2000 Federal F 'ear Project Budget
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Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#40 2000 Court Request
	ADF&G/ADNR/USFS	00126	Habitat Protection and Acquisition Support	84.5
	ADF&G/ADNR/USFS/NOAA	00250	Project Management	70.2
	FWS/USGS	00501	Protocols for Long-Term Monitoring of Seabird Ecology in the Gulf of Alaska	39.9
	ADEC/ADF&G/ADNR/NOAA	00530	Lessons Learned: Evaluating Scientific Sampling of Oil Spill Effects	8.2
			DOI-O/S Subtotal	**313.0**
			DOI Total	**2,042.0**
NOAA		00012A-BAA	Photographic and Acoustic Monitoring of Killer Whales in Prince William Sound and Kenai Fjords	82.9
	ADF&G/DOI	00025-CLO	Mechanisms of Impact and Potential Recovery of Nearshore Vertebrate Predators (NVP)	22.8
		00048-BAA	Publication: Historical Analysis of Sockeye Growth Among Populations Affected by the Oil Spill and Large Spawning Escapements	10.3
		00090-CLO	Monitoring of Oiled Mussel Beds in Prince William Sound	64.0
	All	00100	Public Information, Science Management and Administration	62.9
		00163A	APEX: Forage Fish Assessment	113.5
		00163G	APEX: Seabird Energetics	86.2
		00163I	APEX: Project Management	42.6
	ADF&G/DOI	00163L	APEX: Historical Data Review	31.9
		00163O	APEX: Statistical Review	29.7
		00163Q	APEX: Modeling	92.1
		00163S	APEX: Jellyfish as Competitors and Predators of Fishes	95.2
	ADF&G/ADNR/USFS/DOI	00250	Project Management	102.0
		00287-BAA	Seabird-Oceanographic Relationships in Northern Northern Gulf of Alaska: Integration with NSF/NOAA Study GLOBEC	151.3
		00290	Hydrocarbon Data Analysis, Interpretation, and Database Maintenance	55.5
		00320-BAA	Sound Ecosystem Assessment (SEA): Publishing the Integrated Final Report and a Program Synthesis	120.0
		00330-BAA	Mass-Balance Model of Trophic Fluxes in Prince William Sound	25.3
		00347-CLO	Fatty Acid Profile and Lipid Class Analysis for Estimating Diet Composition and Quality at Different Trophic Levels	35.5
		00360-BAA	The *Exxon Valdez* Oil Spill: Guidance for Future Research Activities	307.4
		00393-BAA	Prince William Sound Food Webs: Structure and Change	153.7
		00401	Assessment of Spot Shrimp Abundance in Prince William Sound	88.7

EXXON VALDI USTEE COUNCIL
2000 Federal F[illegible] 'ear Project Budget
October 1, 1999 - September 30, 2000

Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#40 2000 Court Request
		00414	Development of Web - Based Systems for Communicating Ecosystem Research Results to the Public	26.8
		00454	Evidence and Consequences of Persistent Oil Contamination in Pink Salmon Natal Habitats	334.1
		00455-BAA	An Evaluation of the Data System for the EVOS Long-Term Monitoring Program	89.0
	DOI	00459	Residual Oiling of Armored Beaches and Mussel Beds in the Gulf of Alaska	4.3
		00476	Effects of Oiled Incubation Substrate on Pink Salmon Reproduction	74.8
		00482-BAA	Development and Field Testing Rapid Diagnostic Test Kits for Paralytic Shellfish Poisoning and Amnesic Shellfish Poisoning	55.6
		00493	Statistically-Based Sampling Strategies for Gulf of Alaska Ecosystem Trawl Survey Monitoring	34.5
		00510-BAA	Recovery of Intertidal Communities and Recommentations for Future Monitoring	48.8
		00516-BAA	Publication: Comparative Habitat Use by Kittlitz's and Marbled Murrelets	21.0
	ADEC/ADF&G/ADNR/DOI	00530	Lessons Learned: Evaluating Scientific Sampling of Oil Spill Effects	19.1
		00541-BAA	Publication: Prince William Sound Isotope Ecology	15.0
		00552-BAA	Exchange Between Prince William Sound and the Gulf of Alaska	114.4
		00598	Publication: Resolution of Mixtures Containing *Exxon Valdez* Oil and Regional Background Hydrocarbons in Subtidal Sediments	13.5
		00599	Evaluation of Yakataga Oil Seeps as Regional Background Hydrocarbon Sources in Benthic Sediments of the Spill Area	75.6
			NOAA Total	**2,700.0**
			Total	**9,837.7**

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage. AK 99501-3451 907/278-8012 fax:907/276-7178

August 5, 1999

Gail Shepherd
Ron Lazlock
Knowledge Network
4355 Mathissi Place
Burnady, BC V5G4S8
CANADA

Gail;

Enclosed are three Beta tapes of Prince William Sound and scientists working on Exxon Valdez-related projects. The video was shot in 1997. Tape One, Parts One and Two, include scientists at work and interviews with scientists. Tape Two shows habitat and animals of Prince William Sound, Outer Kenai Peninsula, and Kodiak Archipelago.

The enclosed index will help you sort through the tapes to find what you want.

Please copy these tapes ASAP and return them to me. If I don't have them back by August 20, I will start bugging you with e-mails and phone calls.

If you have any questions, please call.

Sincerely,

Joe Hunt

Joe Hunt
Communications Coordinator

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax: 907/276-7178

MEMORANDUM

TO: Agency Liaisons

FROM: Traci Cramer
Traci Cramer
Administrative Officer

DATE: August 3, 1999

RE: DRAFT Resolution for Court Request #40

Attached for your immediate review is a DRAFT resolution and two spreadsheets. The first spreadsheet is titled 'EXXON VALDEZ TRUSTEE COUNCIL, 1999 Fiscal Year Project Budget'. The second spreadsheet is titled 'EXXON VALDEZ TRUSTEE COUNCIL, 2000 Fiscal Year Project Budget'. Please confirm that the first spreadsheet accurately reflects Trustee Council action as it related to Fiscal Year 1999 and that the second spreadsheet accurately reflects the Executive Director's recommendation for Fiscal Year 2000.

You will note that the Fiscal Year 2000 spreadsheet does not currently include distribution of project 00126 'Habitat Protection and Acquisition Support' funding. While the Executive Director's recommendation is to fund $357.2, the actual distribution has not been finalized. Once the distribution is finalized, I will be amend the DRAFT resolution and associated spreadsheets. At such time, I will also provide the amended documents to you for your review.

The goal is to obtain Trustee signatures on Monday, August 9th, so I will need your comments by noon Friday, August 6th. It is requested that you review this document at this time and not wait for the final distribution of project 00126.

Thank you for your assistance. If you have any questions, please give me a call at (907) 586-7238.

cc: Molly McCammon
Sandra Schubert
Robert Baldauf

DRAFT

RESOLUTION OF THE

EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL

We, the undersigned, duly authorized members of the *Exxon Valdez* Oil Spill Trustee Council do hereby certify that, in accordance with the Memorandum of Agreement and Consent Decree entered as settlement of United States of America v. State of Alaska, No. A91-081 Civil, U.S. District Court for the District of Alaska, and after public meetings, unanimous agreement has been reached to expend funds received in settlement of State of Alaska v. Exxon Corporation, et al., No. A91-083 CIV, and United States of America v. Exxon Corporation, et al., No. A91-082 CIV, U.S. District Court for the District of Alaska, for necessary natural resource damage assessment and restoration activities. The resolution includes $9,542,900 to implement the Fiscal Year 2000 Work Plan.

The monies are to be distributed according to the following schedule:

Alaska Department of Fish & Game	4,003,600
Alaska Department of Natural Resources	581,800
Alaska Department of Environmental Conservation	125,700
SUBTOTAL TO STATE OF ALASKA	$4,711,100
U.S. Department of Agriculture, Forest Service	77,400
U.S. Department of the Interior	2,054,400
National Oceanic & Atmospheric Administration	2,700,000
SUBTOTAL TO UNITED STATES OF AMERICA	$4,831,800
TOTAL APPROVED	$9,542,900

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By unanimous consent, we hereby request the Attorney General of the State of Alaska and the Assistant Attorney General of the Environmental and Natural Resources Division of the United States Department of Justice to petition the United States District Court for the District of Alaska for the withdrawal of the sum of $9,542,900 from the Court Registry Account established as a result of the governments' settlement with Exxon Corporation. Of this amount $4,831,800 shall go to the United States and $4,711,100 shall go to the State of Alaska.

_____ Dated _____
DAVE GIBBONS
Trustee Representative
Alaska Region
USDA Forest Service

_____ Dated _____
BRUCE M. BOTELHO
Attorney General
State of Alaska

_____ Dated _____
MARILYN HEIMAN
Special Assistant to the
Secretary for Alaska
U.S. Department of the Interior

_____ Dated _____
STEVEN PENNOYER
Director, Alaska Region
National Marine Fisheries Service

_____ Dated _____
FRANK RUE
Commissioner
Alaska Department of Fish and Game

_____ Dated _____
MICHELE BROWN
Commissioner
Alaska Department of Fish and Game

EXXON VALDI USTEE COUNCIL
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Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#35 1999 Court Request	Second CR#38 1999 Court Request	Third CR#40 1999 Court Request	Total
ADEC	All	99100	Administration, Science Management and Public Information	61.2			61.2
		99250	Project Management			12.7	12.7
		99291	Chenega-Area Shoreline Residual Oiling Reduction		9.3		9.3
		99304	Kodiak Island Borough Master Waste Management Plan	1,857.1			1,857.1
	ADNR/USFS	99391	Information Management/Monitoring System	88.7			88.7
		99514	Lower Cook Inlet Waste Management Plan	54.5			54.5
			ADEC Total	**2,061.5**	**9.3**	**12.7**	**2,083.5**
ADF&G	DOI/NOAA	99025	Mechanisms of Impact and Potential Recovery of Nearshore Vertebrate Predators (NVP)	38.1	10.7		48.8
		99052A	Community Involvement	243.4			243.4
		99052B	Traditional Ecological Knowledge	24.7	14.2		38.9
		99064	Monitoring, Habitat Use, and Trophic Interactions of Harbor Seals in Prince William Sound	263.3			263.3
	All	99100	Administration, Science Management and Public Information	1,594.3		-25.7	1,568.6
	ADNR/DOI/USFS	99126	Habitat Protection and Acquisition Support	22.4			22.4
		99127	Tatitlek Coho Salmon Release	10.7			10.7
		99131	Chugach Native Region Clam Restoration	83.4	222.8		306.2
		99139A2	Port Dick Creek Tributary Restoration and Development	85.8			85.8
		99162A	Investigations of Disease Factors Affecting Declines of Pacific Herring Populations: Manuscripts/Conference Attendance (Part A)	58.6			58.6
		99162B	Investigations of Disease Factors Affecting Declines of Pacific Herring Populations: Manuscripts/Conference Attendance (Part B)	13.4			13.4
	NOAA/DOI	99163L	APEX: Historical Data Review	29.1			29.1
		99163T	APEX: Aerial Surveys	58.2			58.2
		99188-CLO	Otolith Thermal Mass Marking of Hatchery Reared Pink Salmon In Prince William Sound	185.2			185.2
		99190	Construction of a Linkage Map for the Pink Salmon Genome	212.1	57.9		270.0
		99191A-CLO	Field Examination of Oil-Related Embryo Mortalities in Pink Salmon Populations in Prince William Sound	58.4			58.4
		99196-CLO	Genetic Structure of Prince William Sound Pink Salmon	50.0			50.0
		99210	Youth Area Watch	150.4			150.4
		99225	Port Graham Pink Salmon Subsistence Project	75.6			75.6
		99245	Community-Based Harbor Seal Management and Biological Sampling	70.7			70.7
		99247	Kametolook River Coho Salmon Subsistence Project	20.8			20.8
	ADNR/USFS/DOI/NOAA	99250	Project Management	239.0			239.0

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Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#35 1999 Court Request	Second CR#38 1999 Court Request	Third CR#40 1999 Court Request	Total
		99252	Investigations of Genetically Important Conservation Units of Rockfish and Walleye Pollock	232.5	75.8		308.3
	USFS	99256B	Sockeye Salmon Stocking at Solf Lake	39.1			39.1
		99263	Assessment, Protection and Enhancement of Salmon Streams in Lower Cook Inlet		42.1		42.1
		99273	Surf Scoter Life History and Ecology	206.2			206.2
		99278	Development of an Ecological Characterization and Site Profile for Kachemak Bay/Lower Cook Inlet	70.0			70.0
		99311	Pacific Herring Productivity Dependencies in the Prince William Sound Ecosystem Determined with Natural Stable Isotope Tracers	90.0			90.0
		99320E-CLO	SEA: Salmon and Herring Predation	91.7			91.7
		99320G-CLO	SEA: Phytoplankton and Nutrients	74.9			74.9
		99320H-CLO	SEA: Role of Zooplankton	54.8			54.8
		99320R-CLO	SEA: Trophodynamic Modeling and Remote Sensing	74.9			74.9
		99320T-CLO	SEA: Juvenile Herring Growth and Habitats	160.5			160.5
		99320T-SUPP	SEA: Supplement - Herring Traditional Ecological Knowledge	25.1			25.1
		99320U-CLO	SEA: Somatic Energetics	74.9			74.9
		99320Z1-CLO	SEA: Synthesis and Integration	89.9			89.9
	NOAA	99325-BAA	Assessment of Injury to Intertidal and Nearshore Subtidal Communities: Preparation of Manuscripts	18.5			18.5
	DOI	99327	Pigeon Guillemot Restoration Research at the Alaska SeaLife Center	5.5	12.3		17.8
		99340	Toward Long-Term Oceanographic Monitoring of the Gulf of Alaska Ecosystem	91.4			91.4
		99341	Harbor Seal Recovery: Controlled Studies of Health and Diet	194.2	162.6		356.8
		99348	Responses of River Otters to Oil Contamination: A Controlled Study of Biological Stress Markers and Foraging Success	240.1	76.5		316.6
		99366	Improved Salmon Escapement Enumeration Using Remote Video and Time-Lapse Recording Technology	52.0			52.0
		99367	Synthesis and Publication of Fisheries Research	73.1			73.1
		99371	Effects of Harbor Seal Metabolism on Stable Isotope Ratio Tracers	110.2	9.8		120.0
		99375	Effects of Herring Egg Distribution and Ecology on Year-Class Strength and Adult Distribution	76.5			76.5
		99379	Assessment of Risk Caused by Residual Oil in Prince William Sound Using P450 Activity in Fishes		115.5		115.5
	USFS	99405	Port Graham Salmon Hatchery Reconstruction		777.5		777.5
		99441	Harbor Seal Recovery: Effects of Diet on Lipid Metabolism and Health	140.9	17.5		158.4
		99462	Effect of Disease on Pacific Herring Population Recovery in Prince William Sound	75.1			75.1

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Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#35 1999 Court Request	Second CR#38 1999 Court Request	Third CR#40 1999 Court Request	Total
		99470	Legacy of an Oil Spill: 10 Years After *Exxon Valdez*	152.0	8.7		160.7
		99471	Updating the Status of Services Reduced or Lost Due to the Oil Spill	195.0			195.0
			ADF&G Total	**6,296.6**	**1,603.9**	**-25.7**	**7,874.8**
ADNR	USFS/DOI	99007A	Archaeological Index Site Monitoring	91.8			91.8
	All	99100	Administration, Science Management and Public Information	555.1			555.1
	ADF&G/USFS/DOI	99126	Habitat Protection and Acquisition Support	316.5			316.5
	DOI	99149	Archaeological Site Stewardship	9.9			9.9
	USFS	99180	Kenai Habitat Restoration & Recreation Enhancement	199.6			199.6
	ADF&G/USFS/DOI/NOAA	99250	Project Management	25.5			25.5
		99300	Synthesis of the Scientific Findings from the *Exxon Valdez* Oil Spill Restoration Program	80.3			80.3
		99314	Homer Mariner Park Habitat Assessment and Restoration Design Project	99.5			99.5
	USFS/DOI	99339	Prince William Sound Human Use and Wildlife Disturbance Model	13.5			13.5
	ADEC/USFS	99391	Information Management/Monitoring System	238.7			238.7
			ADNR Total	**1,630.4**	**0.0**	**0.0**	**1,630.4**
USFS	ADNR/DOI	99007A	Archaeological Index Site Monitoring	28.0			28.0
		99043B-CLO	Monitoring of Cutthroat Trout and Dolly Varden Habitat Improvement Structures	9.5			9.5
	All	99100	Administration, Science Management and Public Information	54.4			54.4
	ADF&G/ADNR/DOI	99126	Habitat Protection and Acquisition Support	248.6			248.6
		99145-CLO	Cutthroat Trout and Dolly Varden: Relation Among and Within Populations of Anadromous and Resident Forms	50.1			50.1
	ADNR	99180	Kenai Habitat Restoration & Recreation Enhancement	100.0			100.0
	ADF&G/ADNR/DOI/NOAA	99250	Project Management	22.4			22.4
	ADF&G	99256B	Sockeye Salmon Stocking at Solf Lake	29.2			29.2
		99320Q-CLO	SEA: Bird Predation on Herring Spawn	11.3			11.3
	ADNR/DOI	99339	Prince William Sound Human Use and Wildlife Disturbance Model	53.7		-5.2	48.5
		99346	Publication of an Indexed Bibliography of the Genus Ammodytes (Sand Lance)	10.4			10.4
	NOAA	99368	Maps Depicting Environmentally Sensitive Areas in Prince William Sound (Summary Seasonal Maps Only)	5.2			5.2
		99381	Status of Seabird Colonies in Northeastern Prince William Sound		13.0		13.0
	ADEC/ADNR	99391	Information Management/Monitoring System	7.6			7.6
	ADF&G	99405	Port Graham Salmon Hatchery Reconstruction		3.8		3.8
	ADF&G	99470	Legacy of an Oil Spill: 10 Years After *Exxon Valdez*		10.1		10.1

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Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#35 1999 Court Request	Second CR#38 1999 Court Request	Third CR#40 1999 Court Request	Total
			USFS Total	**630.4**	**26.9**	**-5.2**	**652.1**
DOI-FWS	ADNR/USFS	99007A	Archaeological Index Site Monitoring	16.5			16.5
		99144A	Common Murre Population Monitoring	72.6			72.6
	ADNR	99149	Archaeological Site Stewardship	5.3			5.3
		99159	Surveys to Monitor Marine Bird Abundance in Prince William Sound during Winter and Summer 1998	37.0			37.0
		99163B	APEX: Seabird Interactions	120.9			120.9
		99163E	APEX: Kittiwakes	246.8		66.0	312.8
		99163F	APEX: Guillemots	188.5			188.5
		99163J	APEX: Barren Islands Seabird Studies	115.7			115.7
		99163K	APEX: Large Fish as Samplers	12.0			12.0
		99163R	APEX: Marbled Murrelet Productivity	114.7			114.7
	USFS	99339	Prince William Sound Human Use and Wildlife Disturbance Model			5.2	5.2
		99434	East Amatuli Island Remote Video Link		75.8		75.8
			DOI-FWS Subtotal	**930.0**	**75.8**	**71.2**	**1,077.0**
DOI-USGS	ADF&G/NOAA	99025	Mechanisms of Impact and Potential Recovery of Nearshore Vertebrate Predators (NVP)	412.9	-10.7		402.2
	ADF&G/NOAA	99163L	APEX: Historical Data Review	22.8			22.8
		99163M	APEX: Response of Seabirds to Forage Fish Density	267.7			267.7
		99169	A Genetic Study to Aid in Restoration of Murres, Guillemots and Murrelets in the Gulf of Alaska	92.7			92.7
		99306	Ecology and Demographics of Pacific Sand Lance in Lower Cook Inlet	30.0			30.0
	ADF&G	99327	Pigeon Guillemot Restoration Research at the Alaska SeaLife Center	160.6			160.6
		99338	Survival of Adult Murres and Kittiwakes in Relation to Forage Fish Abundance	57.9			57.9
		99423	Pattern and Processes of Population Change in Selected Nearshore Vertebrate Predators	60.0			60.0
	NOAA	99459	Residual Oiling of Armored Beaches and Mussel Beds in the Gulf of Alaska		114.5		114.5
		99466	Recovery Status of Barrow's Goldeneyes		12.2		12.2
		99479	Effects of Food Stress on Survival and Reproductive Performance of Seabirds	84.7			84.7
			DOI-USGS Subtotal	**1,189.3**	**116.0**	**0.0**	**1,305.3**

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DOI-NPS	ADNR/USFS	99007A	Archaeological Index Site Monitoring	15.2			15.2
			DOI-NPS Subtotal	**15.2**	**0.0**	**0.0**	**15.2**
DOI-O/S	All	99100	Administration, Science Management and Public Information	148.4		25.7	174.1
	ADF&G/ADNR/USFS	99126	Habitat Protection and Acquisition Support	182.9			182.9
	ADF&G/ADNR/USFS/NOAA	99250	Project Management	72.5			72.5
			DOI-O/S Subtotal	**403.8**	**0.0**	**25.7**	**429.5**
			DOI Total	**2,538.3**	**191.8**	**96.9**	**2,827.0**
NOAA		99012A-BAA	Comprehensive Killer Whale Investigation in Prince William Sound	85.4			85.4
	ADF&G/DOI	99025	Mechanisms of Impact and Potential Recovery of Nearshore Vertebrate Predators (NVP)	49.0			49.0
		99090	Monitoring of Oiled Mussel Beds in Prince William Sound	150.0			150.0
	All	99100	Administration, Science Management and Public Information	82.3			82.3
		99163A	APEX: Forage Fish Assessment	272.4			272.4
		99163G	APEX: Seabird Energetics	179.1			179.1
		99163I	APEX: Project Management	98.8			98.8
	ADF&G/DOI	99163L	APEX: Historical Data Review	38.3			38.3
		99163O	APEX: Statistical Review	32.1			32.1
		99163Q	APEX: Modeling	72.2			72.2
		99163S	APEX: Jellyfish as Competitors and Predators of Fishes	116.8			116.8
		99195	Pristane Monitoring in Mussels	96.7			96.7
	ADF&G/ADNR/USFS/DOI	99250	Project Management	94.8			94.8
		99289-BAA	Status of Black Oystercatchers in Prince William Sound		8.6		8.6
		99290	Hydrocarbon Data Analysis, Interpretation, and Database Maintenance	58.9			58.9
		99320M-CLO	SEA: Physical Oceanography	62.5			62.5
		99320N-BAA	SEA: Nekton and Plankton Acoustics	51.1			51.1
		99320Y-CLO	SEA: Bird Predation on Salmon Fry	10.7			10.7
		99320Z2-CLO	SEA: Synthesis and Integration	69.6			69.6
	ADF&G	99325-BAA	Assessment of Injury to Intertidal and Nearshore Subtidal Communities: Preparation of Manuscripts	22.6			22.6
		99328	Synthesis of the Toxicological and Epidemiological Impacts of the Oil Spill on Pacific Herring	46.1			46.1
		99329	Synthesis of the Toxicological Impacts on Pink Salmon	44.4	24.5		68.9
		99330-BAA	Mass-Balance Model of Trophic Fluxes in Prince William Sound	149.8			149.8

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		99347	Fatty Acid Profile and Lipid Class Analysis for Estimating Diet Composition and Quality at Different Trophic Levels	92.6			92.6
		99361-BAA	Dynamic Graphical Techniques for Ecosystem Synthesis, Communication and Product Delivery		25.6		25.6
	USFS	99368	Maps Depicting Environmentally Sensitive Areas in Prince William Sound (Summary Seasonal Maps Only)	32.1			32.1
		99393-BAA	Prince William Sound Food Webs: Structure and Change		125.0		125.0
		99401	Assessment of Spot Shrimp Abundance in Prince William Sound		38.3		38.3
	DOI	99459	Residual Oiling of Armored Beaches and Mussel Beds in the Gulf of Alaska		10.4		10.4
		99468-BAA	FEATS: Fundamental Estimations of Acoustic Target Strength	146.6			146.6
		99476	Effects of Oiled Incubation Substrate on Pink Salmon Reproduction	74.1			74.1
			NOAA Total	**2,229.0**	**232.4**	**0.0**	**2,461.4**
			Total	**15,386.2**	**2,064.3**	**78.7**	**17,529.2**

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Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#40 2000 Court Request
ADEC	All	00100	Public Information, Science Management and Administration	44.8
		00250	Project Management	27.9
	ADF&G/ADNR/DOI/NOAA	00530	Lessons Learned: Evaluating Scientific Sampling of Oil Spill Effects	31.0
	ADNR	00567	Monitoring Environmental Contaminants in the Northern Gulf of Alaska	9.3
			ADEC Total	113.0
	NOAA/DOI	00025-CLO	Mechanisms of Impact and Potential Recovery of Nearshore Vertebrate Predators (NVP)	22.2
		00052	Community Involvement/Traditional Ecological Knowledge	201.5
		00064-CLO	Monitoring, Habitat Use, and Trophic Interactions of Harbor Seals in Prince William Sound	129.4
	All	00100	Public Information, Science Management and Administration	1,374.0
	ADNR/DOI/USFS	00126	Habitat Protection and Acquisition Support	
		00139A2	Port Dick Creek Tributary Restoration and Development	46.6
	NOAA/DOI	00163L	APEX: Historical Data Review	8.3
		00163T	APEX: Aerial Surveys	91.0
		00190	Construction of a Linkage Map for the Pink Salmon Genome	331.0
		00210	Youth Area Watch	122.0
		00225	Port Graham Pink Salmon Subsistence Project	75.0
		00245	Community-Based Harbor Seal Management and Biological Sampling	56.5
		00247	Kametolook River Coho Salmon Subsistence Project	23.2
	ADNR/USFS/DOI/NOAA	00250	Project Management	154.9
		00263	Assessment, Protection and Enhancement of Salmon Streams in Lower Cook Inlet	23.4
		00273	Surf Scoter Life History and Ecology: Linking Satellite Technology with Traditional Knowledge to Conserve the Resource	205.4
		00278	Development of an Ecological Characterization and Site Profile for Kachemak Bay/Lower Cook Inlet	44.1
	DOI	00327	Pigeon Guillemot Restoration Research at the Alaska SeaLife Center	20.4
		00340	Toward Long-Term Oceanographic Monitoring of the Gulf of Alaska Ecosystem	65.9
		00341	Harbor Seal Recovery: Controlled Studies of Health and Diet	216.1
		00348-CLO	Responses of River Otters to Oil Contamination: A Controlled Study of Biological Stress Markers	50.6
		00371	Effects of Harbor Seal Metabolism on Stable Isotope Ratio Tracers	163.1

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Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#40 2000 Court Request
		00375	Effects of Herring Egg Distribution and Ecology on Year-Class Strength and Adult Distribution	48.0
		00407	Harlequin Duck Population Dynamics	63.8
	DOI	00423	Patterns and Processes of Population Change in Selected Nearshore Vertebrate Predators	36.8
		00441	Harbor Seal Recovery: Effects of Diet on Lipid Metabolism and Health	191.6
		00462	Effect of Disease on Pacific Herring Population Recovery in Prince William Sound	74.6
	DOI	00478	Testing Satellite Tags in Halibut as a Tool for Identifying Critical Habitat	31.1
		00509	Long-Term Monitoring of Harbor Seal Populations: Development of an Experimental Design	51.8
	ADEC/ADNR/DOI/NOAA	00530	Lessons Learned: Evaluating Scientific Sampling of Oil Spill Effects	11.8
	DOI	00605	Information Transfer to Resource Managers, Stakeholders, and the General Public	12.9
		00610	Kodiak Island Youth Area Watch	61.8
	ADNR	00630	Planning for Long-Term Research and Monitoring Program	20.5
			ADF&G Total	**4,029.3**
ADNR	USFS/DOI	00007A-CLO	Archaeological Index Site Monitoring	68.5
	All	00100	Public Information, Science Management and Administration	404.6
	ADF&G/USFS/DOI	00126	Habitat Protection and Acquisition Support	
	USFS	00180-CLO	Kenai Habitat Restoration & Recreation Enhancement	10.7
		00250	Project Management	25.5
	ADEC/ADF&G/DOI/NOAA	00530	Lessons Learned: Evaluating Scientific Sampling of Oil Spill Effects	8.3
	ADF&G	00630	Planning for Long-Term Research and Monitoring Program	64.2
			ADNR Total	**581.8**
USFS	ADNR/DOI	00007A-CLO	Archaeological Index Site Monitoring	9.8
	All	00100	Public Information, Science Management and Administration	37.4
	ADF&G/ADNR/DOI	00126	Habitat Protection and Acquisition Support	
	ADF&G/ADNR/DOI/NOAA	00250	Project Management	21.4
		00339	Publication: Western Prince William Sound Human Use and Wildlife Disturbance Model	14.0
			USFS Total	**82.6**

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Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#40 2000 Court Request
DOI-FWS	ADNR/USFS	00007A-CLO	Archaeological Index Site Monitoring	11.9
		00144A	Common Murre Population Monitoring	15.4
		00159	Surveys to Monitor Marine Bird Abundance in Prince William Sound during Winter and Summer 2000	233.6
		00163B	APEX: Seabird Interactions	90.0
		00163E	APEX: Kittiwakes	92.0
		00163F	APEX: Guillemots	83.1
		00163J	APEX: Barren Islands Seabird Studies	73.8
		00163K	APEX: Large Fish as Samplers	17.6
		00163R	APEX: Marbled Murrelet Productivity	92.8
			DOI-FWS Subtotal	**710.2**
DOI-USGS	ADF&G/NOAA	00025-CLO	Mechanisms of Impact and Potential Recovery of Nearshore Vertebrate Predators (NVP)	151.0
	ADF&G/NOAA	00163L	APEX: Historical Data Review	8.4
		00163M	APEX: Response of Seabirds to Forage Fish Density	181.9
		00169-CLO	A Genetic Study to Aid in Restoration of Murres, Guillemots and Murrelets in the Gulf of Alaska	19.2
		00306	Ecology and Demographics of Pacific Sand Lance in Lower Cook Inlet	20.0
	ADF&G	00327	Pigeon Guillemot Restoration Research at the Alaska SeaLife Center	172.4
		00338	Survival of Adult Murres and Kittiwakes in Relation to Forage Fish Abundance	59.7
	ADF&G	00423	Pattern and Processes of Population Change in Selected Nearshore Vertebrate Predators	148.6
	NOAA	00459	Residual Oiling of Armored Beaches and Mussel Beds in the Gulf of Alaska	35.7
		00466-CLO	Recovery Status of Barrow's Goldeneyes	14.8
	ADF&G	00478	Testing Satellite Tags in Habitat as a Tool for Identifying Critical Habitat	75.0
		00479	Effects of Food Stress on Survival and Reproductive Performance of Seabirds	125.2
	ADF&G	00605	Information Transfer to Resource Managers, Stakeholders, and the General Public	6.9
			DOI-USGS Subtotal	**1,018.8**
DOI-O/S	All	00100	Public Information, Science Management and Administration	110.2

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Agency	Cooperating Agency(s)	Project Number	Project Title	First CR#40 2000 Court Request
	ADF&G/ADNR/USFS	00126	Habitat Protection and Acquisition Support	
	ADF&G/ADNR/USFS/NOAA	00250	Project Management	70.2
	FWS/USGS	00501	Protocols for Long-Term Monitoring of Seabird Ecology in the Gulf of Alaska	39.9
	ADEC/ADF&G/ADNR/NOAA	00530	Lessons Learned: Evaluating Scientific Sampling of Oil Spill Effects	8.2
			DOI-O/S Subtotal	**228.5**
			DOI Total	**1,957.5**
NOAA		00012A-BAA	Photographic and Acoustic Monitoring of Killer Whales in Prince William Sound and Kenai Fjords	82.9
	ADF&G/DOI	00025-CLO	Mechanisms of Impact and Potential Recovery of Nearshore Vertebrate Predators (NVP)	22.8
		00048-BAA	Publication: Historical Analysis of Sockeye Growth Among Populations Affected by the Oil Spill and Large Spawning Escapements	10.3
		00090-CLO	Monitoring of Oiled Mussel Beds in Prince William Sound	64.0
	All	00100	Public Information, Science Management and Administration	62.9
		00163A	APEX: Forage Fish Assessment	113.5
		00163G	APEX: Seabird Energetics	86.2
		00163I	APEX: Project Management	42.6
	ADF&G/DOI	00163L	APEX: Historical Data Review	31.9
		00163O	APEX: Statistical Review	29.7
		00163Q	APEX: Modeling	92.1
		00163S	APEX: Jellyfish as Competitors and Predators of Fishes	95.2
	ADF&G/ADNR/USFS/DOI	00250	Project Management	102.0
		00287-BAA	Seabird-Oceanographic Relationships in Northern Northern Gulf of Alaska: Integration with NSF/NOAA Study GLOBEC	151.3
		00290	Hydrocarbon Data Analysis, Interpretation, and Database Maintenance	55.5
		00320-BAA	Sound Ecosystem Assessment (SEA): Publishing the Integrated Final Report and a Program Synthesis	120.0
		00330-BAA	Mass-Balance Model of Trophic Fluxes in Prince William Sound	25.3
		00347-CLO	Fatty Acid Profile and Lipid Class Analysis for Estimating Diet Composition and Quality at Different Trophic Levels	35.5
		00360-BAA	The *Exxon Valdez* Oil Spill: Guidance for Future Research Activities	307.4
		00393-BAA	Prince William Sound Food Webs: Structure and Change	153.7
		00401	Assessment of Spot Shrimp Abundance in Prince William Sound	88.7

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

MEMORANDUM

TO: Kathy Kuletz, Wildlife Biologist
U.S. Department of the Interior, Fish & Wildlife Service

FROM: Molly McCammon, Executive Director
S Schubert for

RE: Request to Collect Marbled Murrelets for Project 99163R

DATE: August 3, 1999

This memorandum authorizes you to proceed with the collection of up to 30 marbled murrelets in Prince William Sound as part of Project 99163R, the marbled murrelet component of the APEX ecosystem project. Your letter of July 21, 1999 requested the collection of up to 40 marbled murrelets. However, in discussions with the APEX project leader, Dr. David Duffy, your request was reduced to no more than 30 birds. The request for 30 birds was reviewed and recommended favorably by the Chief Scientist, Dr. Robert Spies. In addition, the Trustee Council and Public Advisory Group have been notified of my intent to approve this request. It is our understanding that the collection request is a contingency if all other approaches to determine what marbled murrelets are feeding on fail.

Please provide copies of your federal and state collecting permits to my office, attention Sandra Schubert, at your earliest convenience. Thank you for your cooperation in working through the Trustee Council's process for requests to collect specimens. We look forward to hearing further results from the marbled murrelet productivity component of the APEX project.

cc: Dr. Dave Duffy, APEX Project Leader
Bruce Wright, NOAA Liaison
Dr. Robert Spies, Chief Scientist

APPLIED
marine
SCIENCES

July 26, 1999

Ms. Molly McCammon
Executive Director
Exxon Valdez Oil Spill Trustee Council
645 G Street, Suite 401
Anchorage, Alaska 99501-3451

Dear Molly,

You asked for my recommendation on Kathy Kuletz's request to collect up to 30 marbled murrelets in Prince William Sound this field season for project 99163R "Marbled murrelet productivity relative to forage fish availability, diet and environmental factors in Prince William Sound." This project is attempting to determine the relationship between forage fish quality and breeding/productivity in marbled murrelets. From field reports this season appears to be one in which fatty fish are unavailable to most seabirds in Prince William Sound. We do not know if, like the black legged kittiwakes, marbled murrelets are limited mainly to surface or near-surface schools of forage fish, or like some other acliids, they are able to dive well below the surface to reach deeper schools. If there are higher quality fish available at depth, then it is important to determine if marbled murrelets are able to feed on them. The overall APEX project is determining if higher quality food results in higher productivity and this year provides an opportunity to see if this relationship exists for marbled murrelets. So fa this season project personnel have been unable to determining what the resident marbled murrelets are feeding on and need to have a backup strategy of collecting up to 30 birds to determine stomach contents. In the last two years the field crews have been able to collect fish in areas where the birds are foraging and to observe some adults with fish in their beaks. However, this year has been anomalous, as most birds are not feeding where they have been last season. In this case it may be the odd year that really provides the greatest insight into what determines productivity.

It is Kathy's intention to collect these birds only as a last resort—when all other approaches fail. The marbled murrelet population in Prince William Sound is healthy and within normal bounds according to our 1999 status report. With an average of over a hundred thousand birds in the population in recent years, collection of the small number requested should have a negligible effect on the population.

Sincerely,

Robert B. Spies
Chief Scientist

cc: S. Schubert

4749 Bennett Drive, Suite L Livermore, CA 94550 925.373.7142 Fax 925.373.7834

RFB

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

MEMORANDUM

TO: Restoration Work Force

FROM: Sandra Schubert Sandra

RE: Changes in Executive Director's Recommendation since July 22 Restoration Work Force Meeting

DATE: August 2, 1999

The following changes have been made to the Executive Director's recommendation since the July 22 Restoration Work Force meeting. These changes are reflected in the spreadsheets that are included in the Trustee Council's packet for the August 9 meeting. DPDs and budgets for projects marked * are attached, as promised.

00100 Increase from $2,018.6 to $2,033.9 to reflect correction in ADEC liaison's salary and addition of a small amount of funds for investment advice

00250 Increase from $397.4 to $401.9 to reflect correction in ADEC project manager's salary

00256B Still defer; construction drawings have been submitted but the Chief Scientist has asked for more information about conformity to the TC's supplementation guidelines, including cost effectiveness; new budget $159.5

00339 Defer to December decision on funding 2 manuscripts ($21.2; this component had been do not fund in FY 00); fund completion of final report and model ($14.0)

00407 Fund March surveys only (as originally proposed); do not fund July-August-September surveys (as had been earlier suggested by the Chief Scientist); new budget $63.8

*00414-BAA Fund (had been do not fund); earlier recommendation was to include this project's objectives in 00605, which this project will complement; however, funding as 00414 will preserve the BAA option; new budget $26.8

00482-BAA Fund (had been do not fund); scope has been appropriately limited and legal questions have been answered; new budget $55.6

*00530 Fund (had been defer); revised proposal provides the specificity the reviewers were looking for; new budget $78.4

00567 Fund interim amount to provide for preparation of RFP; defer to December decision on funding for actual contract, when RFP will have been prepared and reviewed (had been defer all)

In addition, contingencies have been addressed on the following projects:

00139A2 new budget $46.6
00273 new budget $205.4
00278
00455 new budget $89.0
00493 new budget $33.4
00509
00552 new budget $114.4
*00605 new budget $19.8; moved from Ecosystem Synthesis cluster to Public Information cluster
00610

Revision 7-30-99

Development of a Web-based System for Communicating Ecosystem Research Results to the Public

(Submitted Under the BAA)

Project Number:	00414
Restoration Category:	Research and Monitoring (Ecosystem Synthesis)
Proposers:	Jennifer R. Allen Alaska Digital Graphics, PO Box 212806 Anchorage, AK 99521
Lead Trustee Agency:	NOAA
Alaska SeaLife Center	no
Duration:	1 year
Cost FY 00	$25 K
Geographic Area:	Spill-Affected Area

ABSTRACT

Ten years after the *Exxon Valdez* oil spill there exists a compelling need for translation and communication of scientific results to stakeholders. Interactive web communications offer a powerful tool for information transfer. This project will develop an architecture and content for interactive, web-based, multimedia delivery of ecosystem research results to the public. The web display will present highlights from the restoration research projects with emphasis on ecosystem synthesis, using a format that is appealing, informative and understandable. This work will be conducted in close consultation with EVOSTC staff. Products will reside as a linked modular unit on the EVOSTC web site.

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INTRODUCTION

Background

The *Exxon Valdez* oil spill (EVOS) was a tragedy of indescribable proportions whose impacts on the environment, wildlife and people of the region are still evident. There remains great public demand for access to understanding of the consequences.

One, perhaps the only, positive aspect to the disaster is the unprecedented scientific knowledge that has been gained. The spill-affected area has become one of the most thoroughly studied ecosystems in the world. Over $108 million has been invested to date in research and monitoring projects in a wide-ranging and comprehensive scientific program. Scores of individual projects have helped define the status of injured resources, understand mechanisms of injury, and track recovery. Three large scale, multidisciplinary, ecosystem-level investigations have dramatically increased our understanding of how the ecosystem works and what factors may be constraining recovery.

For practical purposes, however, the new knowledge is useful only if it can be accessed and understood. An immediate barrier arises from the fact that scientific products are delivered in a way that impedes intelligibility to non-scientists, a fact that can incite frustration among the public and resource managers. As the restoration research programs draw to a close there exists a compelling need for translation and communication of accumulated scientific results to stakeholders. It is important to establish channels of communication by which technical research results can be transferred with meaning and context, and via which results and data can continue to be accessed into the future.

Existing Work

The EVOS Trustee Council (EVOSTC) has made information delivery a priority. In addition to its annual public workshop, printed quarterly updates, annual status reports, and library of project final reports in hard copy, the EVOSTC office offers a bibliography of peer reviewed publications, a basic information database on funded projects on CD-ROM in FileMaker Pro, and a GIS database on CD-ROM in ArcView, and a set of written narratives organized by species (the *Restoration Notebook* series). The existing EVOSTC web site provides entry to either access or locate all of these information products.

The EVOSTC has also supported this investigator in production of graphical presentations related to the SEA program (project 99361). This work makes use of advanced visual communications techniques with results that have been well received by wide audiences. A related videotape on the SEA program is currently in development, also funded under project 99361. This production has much reduced technical emphasis and will serve a lay audience via VHS video and possibly television.

In the first group of projects listed above, the emphasis is on (1) describing damage and recovery

status by species and (2) cataloging the funded projects and their objectives. There is an emphasis on textual material and so far little presentation of translated research results. The work of project 99361 has added another complementary facet: use of dynamic visualization and presentation techniques to communicate complex concepts in an understandable way, focusing thus far on complex results from the SEA program.

The new project proposed here will build on the achievements of project 99361 by extending its techniques beyond SEA to wider syntheses of EVOSTC research findings, and presenting the results in a dynamic, interactive web-based format incorporated into the EVOSTC web site.

Advantages of Interactive, Web-based Multimedia for Information Transfer

One of the biggest challenges in translating science for general audiences is to simplify enough that the material is easily understandable, but not so much that inaccurate perceptions are created. Using traditional techniques alone it is quite difficult to bridge the gap between a superficial, newspaper-level representation of the results on the one hand and the scientist's own delivery of the results, with all the caveats, qualifiers and context entailed, on the other. For the most part, this intermediate area remains unserved, yet is the level increasingly requested by the public. The positive public response to pilot efforts within the SEA program has raised our awareness to the extent of this need and has provided evidence for the value of multimedia approaches.

Multimedia is the combination of varied elements, including text, sound, graphics, images, animation and motion video, into a cohesive communications vehicle. Picture-oriented display techniques provide a powerful communication tool because they take advantage of the highly developed information processing/comprehension abilities of the human visual system (Gershon, 1994). Graphical displays enables "high bandwidth" information transfer and can enhance comprehension through intuitive illustration of concepts and complex relationships. Addition of time-based media (motion and sound) opens up further possibilities. Especially useful to us are the capabilities for progressive visual unfolding of information, animation of changes over time, and augmentation of visual imagery by narrative, music and sounds. Further, multimedia yields measurable benefit through its ability to gain and hold attention and interest. Presentation of information via multiple modalities including visuals, sound, and motion, has been shown to improve retention rates, learning speed, attention levels, credibility and overall impact of presentations (Lindstrom, 1994; Vaughan, 1998).

Interactive multimedia is distinguished by non-linear organization of content and active control by the user over what is seen, in contrast to the linear organization and passive viewing associated with live presentations and movies. A considerable body of education and psychology theory exists to support the belief that interactivity enhances information transfer (reviewed by Wilson, 1993). Interactive multimedia is seen as "allowing users to follow their own associationist paths, to experiment and build their own cognitive structures, and to link their actions with internal...needs" (Wilson, 1993). From a practical standpoint, many of the benefits of interactivity are related to improved retention, relevance, access and motivation. Instruction delivered by interactive multimedia can increase retention rate up to 3-fold over use of audio stimulation alone, and it doubles retention above that achieved with audiovisual stimulation but no interactivity (summarized by Lindstrom, 1994). Interactivity also increases the chance that

information received will be relevant to a user's interest, not only because the user chooses the topics displayed, but also because the interactive structure allows hierarchical delivery of information. Levels of complexity can be accessed on command, according to the user's interest, but all details need not be shown to every user. This helps shield the user from information overload, as might occur in a printed publication at similar depth, but yet makes in-depth, context-sensitive details available as needed. User satisfaction is influenced both by the perceived pertinence of the information and the perceived sense of boundlessness of information available for the asking. Motivation of users to engage in the knowledge transfer process follows from the fun and entertainment value of the experience as well as the quality of the information received and the freedom to form knowledge linkages that address immediate needs of the individual.

The above concepts of electronic "information on demand" are currently fueling the web-based information revolution. The web itself is a specialized example of interactive multimedia, and affords the added advantage of immediate, virtually universal access with a single maintenance site. Increasingly efficient technology for file compression and streaming video delivery, such as Shockwave™ video formats, offer expanding possibilities for web delivery of multimedia-rich applications. Together with scrupulous attention to file size and program organization, this can enable delivery of an enhanced graphic experience via the web even within existing bandwidth limitations. As an added benefit, such applications created for the can also be suitable for transfer to CD-ROM or for use as standalone live presentation segments.

Role of This Project

This project will develop programming architecture and content for interactive, web-based multimedia delivery of ecosystem research results to the public. The product will reside as a linked modular unit on the EVOSTC web site. The content will feature highlights from EVOSTC restoration research projects, with emphasis on ecosystem processes and cross-project synthesis. This interconnected, searchable science area will be designed to serve the general public and will present information in a format that is appealing, informative and understandable. Content will be developed in consultation with participating EVOSTC investigators. Decisions regarding overall design and artistic attributes will be made in collaboration with EVOSTC staff, with scientific components subject to review by the EVOSTC Chief Scientist or Science Advisor.

NEED FOR THE PROJECT

A. Statement of the Problem

What is the problem to be addressed? Which injured resource or service is it designed restore?

In order for the goals and value of EVOSTC-funded restoration research to be fully realized, it is important that new knowledge be disseminated to stakeholders and decision makers. Knowledge transfer is an important step in ensuring a more informed basis for restoration activities, resource management and design of future long-term monitoring plans. The task of communicating complex scientific results to a non-specialist audience, however, is challenging.

B. Rationale/Link to Restoration

Why should the work be done? Discuss how the project will address the problem.

The work proposed here will assist in communicating to the general public the new understanding that has resulted from EVOSTC research programs. Web-based interactive multimedia will provide an effective vehicle for wider knowledge transfer by illuminating difficult concepts and delivering needed information in an accessible, engaging, useful and entertaining manner. Successful completion of this work will assist the Trustee Council and the public "to view the effects of the oil spill and the long-term restoration management of injured resources and services from broad, multi-project and ecosystem-level perspectives. Having the benefit of these perspectives will not only aid interpretation of past results in regard to injury and recovery, but will also provide an improved framework for development of long-term restoration, research, monitoring and management plans."
(EVOSTC, 1999b).

C. Location

Where will the work be done? Where will its benefits be realized?

The bulk of the work will be performed at the offices of the EVOSTC and of Alaska Digital Graphics in Anchorage, with additional time at the Prince William Sound Science Center in Cordova.. Benefits will be realized throughout the spill-affected area.

COMMUNITY INVOLVEMENT

How will affected communities be informed of the project and provide their input?

Affected communities will be informed of the existence and progress of the project via links on the existing EVOSTC web site, SEA web site, and (by request to) other related web sites; as well as by announcement in the EVOSTC newsletter. Upon completion the new web modules will be announced to the major search engines and web address listing services. Users of the site will be encouraged to give feedback and suggestions via simple online comment forms.

PROJECT DESIGN

A. Objectives

The objectives of this project for FY00 are:

1. To develop and program an architecture for a dynamic, interactive, web-based display of ecosystem research results, organized as a searchable, interconnected, cross referenced set of hierarchical modules which are to be linked to the EVOSTC web site and delivered to the internet via the EVOSTC web server.

2. To create prototype software content for these science modules featuring selected highlights of EVOSTC funded research, with emphasis on cross-project synthesis and ecosystem-level conclusions, at a level suitable for the general public, in a format which is both appealing and informative.

3. To formulate a plan for further content development and longer term maintenance to ensure continued utility of the site.

B. Methods

I. General Considerations

1. Liaison with EVOSTC Office.

The proposed ecosystem science modules will reside as a unit on the existing EVOSTC web server. The main access will be from the top level of the EVOSTC web site, with other entry points provided throughout the existing site as desired. The 'look and feel' of the proposed science unit is subject to approval by the EVOSTC Director or designee.

The EVOSTC office has an expertly staffed communications office which has been responsible for a number of outstanding audio-visual and print productions as well as the existing web site. It is not the intent of this project to duplicate existing functions; rather it is hoped that this project will augment existing efforts by offering some additional expertise in the specialties of web-based programming and scientific content. The proposed work will coordinate closely with the communications office, including free sharing of media and concepts. A major goal will be to avoid any duplicative effort, maximize use of existing resources, and obtain a synergistic shared result.

2. Liaison with EVOSTC Researchers

This investigator is mindful of the responsibility involved in presenting to the public the research results of other scientists and is committed to working closely with participating EVOSTC investigators. Segments will not be considered complete until the originator of the research is satisfied with the representation. The EVOSTC Science Advisor, and/or Chief Scientist, or designee, will have opportunities for review of scientific content.

II. Hardware

- All work will be conducted in an IBM-compatible PC environment in order to be fully compatible with the Micron/P2 Windows NT 4.0 platform in use by the EVOSTC office.
- Advanced video and graphic creation tasks will be performed on a high end portable graphics station (IBM ThinkPad 770-Z) to be purchased separately by Alaska Digital Graphics.
- Web coding and CGI programming will be performed *in situ* on the EVOSTC server.

III. Software*

- Visual Basic will be used for CGI programming in order to conform with the EVOSTC platform; this replaces the PERL language customarily used on Unix systems.
- Java, Javascript, Macromedia Director with Shockwave, and GIF animations will be used for dynamic interactive content and/or animated demonstrations.
- The concept-based Excite search engine will be used for search functionality.
- Most HTML coding will be specialized and performed by hand in a plain text editor on the server, without a commercial environment. Some coding will utilize Macromedia suite tools including Fireworks, Dreamweaver and Backstage.
- The utility Debabelizer will be used to optimize color palettes and thus minimize image size; this is necessary to optimize module performance at web-limited bandwidths.
- In addition the investigator has experience with the following core software which will be used in development of multimedia elements:
    - Adobe PhotoShop 5.02 - image creation and manipulation
    - Adobe Premiere 5.1 - professional-level digital video editing
    - Adobe AfterEffects 3.1 - professional-level special effects
    - Macromedia Director 7.0 - multimedia authoring system
    - Macromedia Shockwave - streaming video creation
    - Sound Forge - digital audio editing
    - Bryce 3D - 3 dimensional landscape creation
    - Micrografx Simply3D and Flowcharter - 3D object and charting utilities
    - Corel Graphics Suite 8 - used for CorelDraw - vector based graphics.

** With the exception of Visual Basic and Debabelizer, all of the above software is currently in use by the PI and available to the proposed project at no new cost.*

- The completed web unit will be delivered to the internet via the existing EVOSTC server, which is the Netscape Enterprise Suite server, V 2.0.

IV. Design Criteria

The objective for this web project is to produce at minimum a third generation website as defined by Siegel (1997), added to which will be enhancements for interactivity (Szeto et al, 1997), plus specialized custom-programmed segments for selected demonstrations.

Following is a list of design guidelines to be used:

1. *Overall*

   - Design for the needs of the user.
   - Maintain consistency and simplicity.
   - Place premium importance on an excellent navigation system due to the large volume of information to be explored.
   - Emphasize interactivity. Incorporate the foundations for interactivity at the top level of design. Ensure that interactivity rules can be internalized easily by users for intuitive control over the experience as they progress deeper into the site.
   - Emphasize use of graphics, animated demonstrations and other multimedia elements to ensure a rich experience and improve information transfer.
   - Take care with high quality 'packaging' to enhance esthetic appeal, especially on first arrival at the opening page.

2. *Interface*

   - Aim for smooth fit of form and function in an interface which looks good and gives accurate representation of the underlying behavior layer.
   - Maintain strict consistency in navigation elements. Keep top level (internode) elements present on all pages. Sublevel (intranode) menus and palettes depend on context but are always kept at the same location on the page with the same look-and-feel.
   - Incorporate judiciously such techniques as text and image rollovers, dynamic expanding menus, detailed cross-referencing, searchability, and forms-based CGI programming for customized returned information.
   - Use clickable maps where appropriate to organize information.
   - Use audio cues as well as visual where appropriate.

3. *Speed*

   - Plan for physical bandwidth limitations at the typical connection speed of users (28.8K).
   - Use optimized color palettes and image compression to reduce image size.
   - Use graphic interlacing, sequential loading, and intelligent selection of place holders to engage the user's attention while large items are transferred..
   - Take full advantage of new video streaming technology using Shockwave™ to deliver animations, demonstrations and audio/video segments.

4. *Measures of success*

   - Web site traffic: track and analyze user visits by date, domain of origin, web sections visited, order of progression through site (general), and duration of stay (general).
   - Email responses: solicit feedback on site, provide users with easy tools for submitting comments.

V. Layout/Structure

The envisioned plan is for a nodal structure model at the top level and hierarchical organization below. The opening page gives a clear indication of content of each section. A linear entry "tunnel" provides a clear message about the experience ahead and sets the tone for the site. A linear exit segment offers opportunities for feedback. Any individual page is always only one click away from the top page and from the search engines. Links consistently present provide access to a location-sensitive menu of pages about related issues; as well as to topic-related video clips, HTML segments, other web sites, and other reference sources.

An outline of one possible architecture model is shown below (Figure 1).

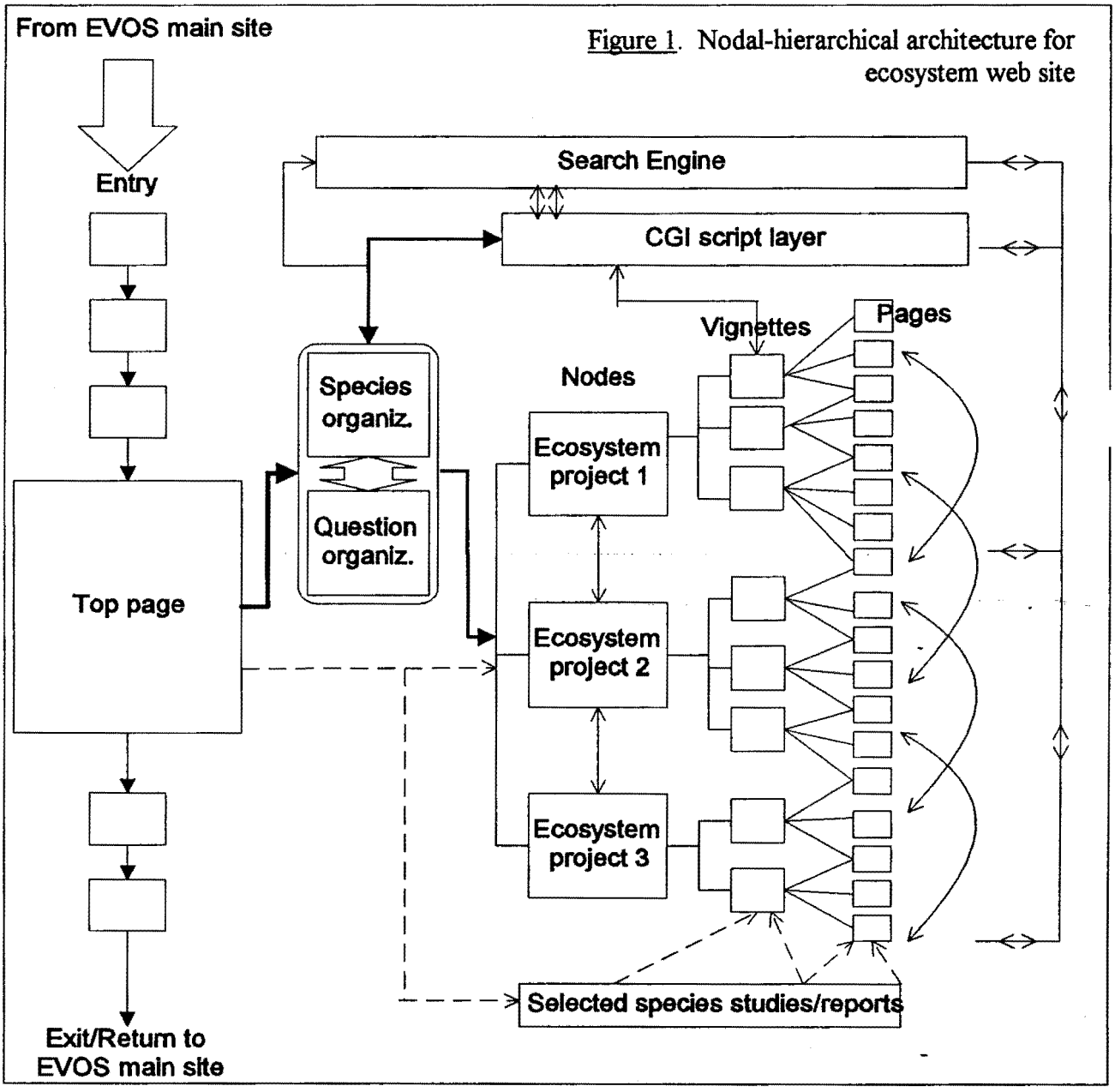

Figure 1. Nodal-hierarchical architecture for ecosystem web site

VI. Content

1. Science Content

The proposed science unit will focus initially on synthesized results from the three ecosystem projects:

- Alaska Predator Ecosystem Experiment (APEX), Lead Scientist: David Duffy, Key Question: Are forage fish distributions limiting recovery of seabirds from the spill?
- Nearshore Vertebrate Predator program (NVP), Lead Scientist: Leslie Holland-Bartels, Key question: What is limiting recovery of sea otters, river otters, harlequin ducks, and pigeon guillemots: is it food or is it oil exposure?
- Sound Ecosystem Assessment (SEA), Lead Scientist: Ted Cooney, Key question: What ecosystem factors constrain production of young pink salmon and herring?

Emphasis will be placed on conveying big picture results and on forging connections between the findings of the three ecosystem programs where possible. Annual and final reports from these programs will be used as the primary information source. Additionally, synthesis manuscripts currently in preparation by these groups will provide valuable material about SEA, NVP (if available) and APEX (when completed). Translation and abstraction of core findings will rely heavily on assistance to be sought from the Lead Scientists and principal investigators.

In addition, selected, key, single-species studies which bear on the above ecosystem questions, or whose objectives the ecosystem projects have assisted, will be referenced and incorporated in the site to the degree that time permits. Candidates for inclusion will be selected in consultation with EVOSTC staff. Those not able to be included because of time constraints will be incorporated into the plan for future site development.

2. Multimedia Content

This work will leverage previously generated multimedia segments created by this investigator for the SEA program. In interests of cost effectiveness and time saving, new creative work will focus on original interpretive animations and demonstrations, while supporting elements such as photos and video segments will as far as possible be drawn from EVOSTC archives.

3. A Note on Time Constraints for Content Generation

The time allocated for the principal investigator in this proposal has been reduced to less than three months from the originally requested six. Although less time will be needed for hardware issues (with web delivery instead of kiosks), there is still a shortfall in content development time. It is felt that the goals of the project can still be met, however, through the adjustments noted above, namely:

- Prioritization of topics to the ecosystem projects, with other areas incorporated as outlines and in a plan for future development;
- More reliance on existing multimedia segments and less on new creations;
- More dependence on access to supporting material (photos, video) from EVOSTC archives.

SCHEDULE

A. Measurable Project Tasks for FY 00

Measurable project tasks for FY00 include

- Content selection*
- Draft of content narrative and sketch of components*
- Review and approval by Lead Scientists
- Programming of interactive elements*
- HTML coding and media incorporation in modules*
- Site activation by sequential addition of modules to web server
- Analysis of user feedback and access statistics.

* *in consultation with EVOSTC staff*

B. Project Milestones and Endpoints

MILESTONE / DELIVERABLE **(assuming funding commences October 1)**	**DATE**
Draft narrative and sketches available.	December 31, 1999
Three core modules deployed; additional modules under construction; access tracking ongoing	September 30, 2000
Final report (including access statistics, feedback results, and straw plan for future development) delivered.	April 15, 2001

C. Completion Date

The anticipated completion date is September 30, 2001 (for core web components) and April 15, 2001 (for analysis of access statistics and user feedback).

PRINCIPAL INVESTIGATOR

Jennifer R. Allen
Alaska Digital Graphics
P.O. Box 212806
Anchorage, AK 99521
tel: 907-333-9908
jrallen@alaska.net

Qualifications: Jennifer Allen has a background in digital image processing, scientific visualization, multimedia production, and computer communications including web site creation and interactive web programming . She has been active for several years in the synthesis and presentation arenas of the SEA program, including development of the SEA presentations at the January 1998

EDUCATION

1983	Bachelor of Veterinary Science (First Class Honors) University of Sydney, Australia *[degree equivalent to the DVM in the Unites States.]*
1985	Residency in Equine Medicine and Surgery, Washington State University, Pullman, WA, USA

EMPLOYMENT

1999-present	President, Alaska Digital Graphics
1994-present	Technical Project Manager and Information Systems Specialist Prince William Sound Science Center, Cordova AK
1989-93	Research Assistant and Teaching Assistant Program in Statistics, Washington State University, Pullman WA
1985-89	Research Associate College of Veterinary Medicine, Washington State University

SELECTED PUBLICATIONS

Cooney, R.T. and Allen, J.R. (1999) Sound Ecosystem Assessment (SEA): Ecological controls of pink salmon and herring production in Prince William Sound, Alaska. Presented at Exxon Valdez Oil Spill 10 Year Anniversary Symposium, Anchorage, AK, March 1999.

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Allen, J.R., Patrick, E.V. and Thomas, G.L. (1997) Scientific visualization in model-based study of a marine ecosystem. Presented at 127th Ann. Mtg. American Fisheries Society, Monterey CA, August, 1997.

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Revision 30-99

FY 99 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Budget Category:	Authorized FY 1999	Proposed FY 2000
Personnel		$0.0
Travel		$0.0
Contractual		$25.0
Commodities		$0.0
Equipment		$0.0
Subtotal	$0.0	$25.0
General Administration		$1.8
Project Total	$0.0	$26.8
Full-time Equivalents (FTE)		0.2
Other Resources		$7.0

LONG RANGE FUNDING REQUIREMENTS					
	Estimated FY 2001	Estimated FY 2002			
	$0.0	$0.0			

Dollar amounts are shown in thousands of dollars.

Comments:

IBM Thinkpad 770-Z and accessories to be purchased separately by Alaska Digital Graphics ($7.0K)

FY 00

Prepared: 07/30/99

Project Number: 00414
Project Title: Web-based Communications Development
Agency: NOAA

FORM 3A
TRUSTEE
AGENCY
SUMMARY

FY 99 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET
October 1, 1999 - September 30, 2000

Budget Category:	Authorized FY 1999	Proposed FY 2000
Personnel		$17.6
Travel		$0.8
Contractual		$1.3
Commodities		$1.1
Equipment		$0.0
Subtotal	$0.0	$20.8
Indirect		$4.2
Project Total	$0.0	$25.0
Full-time Equivalents (FTE)		0.23
Other Resources		$7.0

LONG RANGE FUNDING REQUIREMENTS

Estimated FY 2001	Estimated FY 2002
$0.0	$0.0

Dollar amounts are shown in thousands of dollars.

Comments:

IBM Thinkpad 770-Z and accessories to be purchased separately by Alaska Digital Graphics ($7.0K)

FY 00

Prepared: 07/30/99

Project Number: 00414
Project Title: Web-based Communications Development
Name: Jennifer R. Allen
Agency: NOAA

FORM 4A
Non-Trustee
SUMMARY

FY 99 EXXON VALDEZ TRU[illegible] COUNCIL PROJECT BUDGET
October 1, 1999 - September 30, 2000

Personnel Costs:			Months	Monthly		Proposed
Name	Position Description		Budgeted	Costs	Overtime	FY 2000
Jennifer R. Allen	Info Systems / Communications Specialis		2.7	6.5		17.6
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
	Subtotal		2.7	6.5	0.0	
					Personnel Total	$17.6

Travel Costs:		Ticket	Round	Total	Daily	Proposed
Description		Price	Trips	Days	Per Diem	FY 2000
						0.0
Anchorage-Cordova		0.20	1	10	0.00	0.2
Anchorage-Fairbanks		0.20	1	4	0.10	0.6
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
					Travel Total	$0.8

FY 99

Prepared: 07/30/99

Project Number: 00414
Project Title: Web-based Communications Development
Name: Jennifer R. Allen
Agency: NOAA

FORM 4B
Personnel
& Travel
DETAIL

FY 99 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET
October 1, 1999 - September 30, 2000

Contractual Costs:	Proposed FY 2000
Description	
telephone	0.3
photocopying, shipping, postage	0.3
software : (1. Visual Basic Professional - compiler - developers edition 2. Debabelizer - image palette optimizer)	0.7
Contractual Total	$1.3

Commodities Costs:	Proposed FY 2000
Description	
office supplies	0.1
computer supplies	0.8
photographic supplies	0.2
Commodities Total	$1.1

FY 99

Prepared: 07/30/99

Project Number: 00414
Project Title: Web-based Communications Development
Name: Jennifer R. Allen
Agency: NOAA

FORM 4B
Contractual & Commodities DETAIL

FY 99 EXXON VALDEZ TR_ _ . _E COUNCIL PROJECT BUDGET
October 1, 1999 - September 30, 2000

New Equipment Purchases: Description	Number of Units	Unit Price	Proposed FY 2000
None			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
Those purchases associated with replacement equipment should be indicated by placement of an R.		**New Equipment Total**	$0.0

Existing Equipment Usage: Description	Number of Units
Micron Windows-NT server (EVOSTC) Cisco routers and digital link to AK state WAN (EVOSTC) IBM ThinkPad 770-Z (new purchase by AK Digital Graphics)	

FY 99

Prepared: 07/30/99

Project Number: 00414
Project Title: Web-based Communications Development
Name: Jennifer R. Allen
Agency: NOAA

FORM 4B
Equipment
DETAIL

Revision 7-29-99

Lessons Learned: Evaluating Scientific Sampling of Oil Spill Effects

Project Number:	00530
Restoration Category:	Monitoring
Proposer:	Alaska Department of Environmental Conservation
Lead Trustee Agency:	Alaska Department of Environmental Conservation
Cooperating Agencies:	Alaska Departments of Fish and Game, Law, and Natural Resources; United States Departments of Interior, Agriculture, and Commerce
Alaska Sealife Center:	No
Duration:	One Year Pilot Project
Cost FY 00:	~~83.8~~ 78.4
Cost FY 01:	0.0
Cost FY 02:	0.0
Geographic Area:	Spill-Impacted Area
Injured Resource/Service:	All injured resources and services

ABSTRACT

In the ten years following the Exxon Valdez Oil Spill, a substantial amount of scientific research has been conducted on the impacts of the spill. Despite this wealth of information, there has been no comprehensive evaluation and compilation to determine which sampling methods and studies were or were not effective. This project will review selected studies and methods which ones provided effective means of documenting environmental impacts. To ensure that the proposed approach will be effective, this project will be structured as a pilot.

INTRODUCTION

This project is a cooperative effort to review existing oil spill information and determine the effectiveness of sampling methods and studies for assessing impacts to natural resources and services. The review findings will interpret "lessons learned" from the scientific research conducted since the Exxon Valdez oil spill. The resulting evaluation will contribute to an understanding of quantifiable effects of spills on sensitive resources and services. The goal is to ensure that resource managers, scientists, and the public at large can gain an understanding of the complete program. In addition, the assessment from this project can help provide support for restoration decisions. To ensure useful results, this project is proposed as pilot and will test the approach with a limited number of topics. Upon successful evaluation of this pilot, the methodology could be used to conduct additional evaluations.

NEED FOR THE PROJECT

A. Statement of Problem

A substantial amount of information on the effects on natural resources from the Exxon Valdez Oil Spill has been generated in the past ten years. The agencies cooperating on this project recognize the need to review the "lessons learned" to further our knowledge of ecosystem response and recovery.

Depending on the nature of the effect, some impacts are clearly evident and can be easily quantified; for example, oiled beaches, and dead or injured wildlife that have been recovered. Other oil spill impacts are difficult to quantify because they are subtler or are not evident in short-term assessments. At present there is no consensus-based approach on the most effective methods of assessing impacts. With as much as ten years of study results to evaluate, the assessment of effectiveness of sampling methods and studies will be based on substantial data.

An associated benefit of the project is the potential to use the findings to guide procedures in the future. This would be especially valuable if another spill occurs in an area where resources are not yet fully restored. The tanker corridor in Prince William Sound is a unique industrial usage area associated with risks from accidental discharge of oil or other hazardous substances. Although industry has made significant progress after 1989 in preventing and limiting the extent of such problems, oil spills continue to be documented.

B. Rationale/Link to Restoration

This project will help resource managers and the public understand how effects were measured, where they occurred, and whether the methods or data were adequate or appropriately timed. The review and analysis of research and monitoring methodologies from Trustee-sponsored projects will provide a key linkage between scientific inquiry, oil spill management and impact

assessment. This project will summarize how well the spill effects were assessed, as well as what did not work. The resulting analysis will help show whether the data provided a useful foundation for the subsequent phases of damage assessment and restoration. Of particular concern is ensuring timely detection of potential impacts to the most vulnerable natural resources and services, as well as those with the longest recovery periods.

As an associated benefit, this project will recommend methods and strategies for assessing effects and monitoring that needs to be agreed upon in advance of an oil spill. A more effective ability to assess injury during an oil spill could also aid restoration of EVOS injured species.

This project relates to the Trustee Council's increased emphasis to "transfer study results to resource managers and stakeholders so that they can take full advantage of what has been learned through the EVOS program. "(Exxon Valdez Oil Spill Trustee Council, 1999). The Council also notes that "results of these studies and the approaches underlying them can provide valuable guidance for the ongoing restoration program as well as for natural resource managers and other stakeholders who may make decisions or take actions that bear on the long-term recovery of injured resources or lost or reduced services."

C. Location

Project work will be carried out by specialists, resource managers and reviewers who are located within and outside of Alaska. The project does not involve direct fieldwork. The synthesis developed by this research project will focus on the spill affected area including Prince William Sound, Cook Inlet, Kodiak Archipelago, and the Gulf of Alaska.

COMMUNITY INVOLVEMENT AND TRADITIONAL ECOLOGICAL KNOWLEDGE

Existing traditional ecological knowledge will be used to the extent that it is available and pertinent to this evaluation. The results of this project will be available for the public and communities within the spill area. The public needs to know that we have scrutinized what has been learned from the Exxon Valdez oil spill, and applied these lessons to improve capability to assess effects of oil spills.

PROJECT DESIGN

A. Objectives

1. To develop the scope and questions addressing what was learned from studying effects of the oil spill; how well approaches worked or not, data gaps, and recommendations.

2. To meaningfully involve researchers, scientists, and trustee agencies to answer these questions.

3. To help ensure stakeholder access to this information by distributing the final report.

4. To implement this project with a pilot to ensure an effective approach to assessment.

B. Methods

This pilot project will be a sequence of phased work to ensure technically rigorous focus, and full involvement of trustee agencies with resource management responsibilities.

1. Trustee agencies and the EVOS Scientist through consensus, develop questions for experts to address in white papers and identify workshop participants.

2. Scientific and research experts, through contractual support, evaluate the effectiveness of sampling and other research and studies that were conducted after the oil spill, by reviewing relevant information, and preparing a white paper addressing questions identified in 1 above. Question areas may include: what useful knowledge was gained from studies? Where were the data gaps – what was not collected or studied, or was collected too late? What should have been collected or studied within the first few hours, days, weeks and months of a spill? How long did it take to assess effects? Related issues may include: effects on trophic levels and food webs, population levels, sentinel species, statistically valid designs, matrix combinations (air, water, soil, sediment, tissues), bioassays, and others. Each expert evaluates a specific resource or service especially vulnerable to marine spills, and for which initial post-spill data are available. Priority topics are: pink salmon, herring, harlequin duck, murre, blue mussels, sea otter, archeology, and recreation.

3. The "white papers" will serve as a basis of a workshop of specialists, resource managers, the EVOS Chief Scientist and designated peer reviewers to collaboratively review, and discuss the information contained in each white paper.

4. Results of the workshop will be compiled into an overall summary to capture the areas of consensus and any alternative approaches. The project manager, assisted by the workshop facilitator, will oversee production of the report. Document preparation, review, and publication will follow EVOS procedures and requirements. The project manager will use a consensus model with the Chief Scientist and Trustees Agencies on the format and content of the final workshop report.

5. The Chief Scientist and Trustee Agencies will evaluate the pilot project to identify necessary adjustments and propose evaluation methods for future use.

The Alaska Department of Environmental Conservation (ADEC) representative will manage this project to promote effective coordination among the species experts, resource agency specialists,

EVOS staff, the EVOS Chief Scientist, and workshop facilitators to ensure product completion.

C. Cooperating Agencies, Contracts, and Other Agency Assistance

Cooperating agencies will coordinate intra-agency development and preparation of key questions for specialists to address, coordinate intra-agency reviews of draft work products, raise agency-specific concerns, and help ensure resolution of issues for the final project document.

The contracts and credentials for this project will be developed by the project manager with assistance from the EVOS Chief Scientist, trustee agency representatives, and assistance from EVOS staff. All trustee agencies will participate in this project.

The estimate of funding needed for this project includes the costs of the resource experts estimated at 0.4 workmonth each, and a contract for professional services to facilitate the workshop and help compile the workshop report. Workshop participation is supported by travel funds for authors of white papers and other recognized resource experts. An essential part of this project is the modest allocation of time from agency specialists to actively participate.

SCHEDULE

A. Measurable Project Tasks for FY00

October 1-31:	Develop scope of questions for white papers, and prepare contract documents.
November 1:	EVOS experts conduct necessary reviews, address resource agency questions, and prepare "white papers".
January 10:	White papers due; distributed to workshop participants.
February 11:	Reviewer comments due; distributed to workshop participants.
March (date TBA):	Facilitated workshop for trustee agencies and scientists to review white papers, address concerns, and discuss information in and related to white papers, striving to reach consensus where possible.
May 15:	Draft workshop report submitted to workshop participants for review.
June 16:	Comments due on draft workshop report.
July 17:	Final workshop report due to the EVOS Chief Scientist and trustees agencies for review and approval.
September 30:	Project is completed.

B. Project Milestones and Endpoints

November 1:	EVOS experts start white papers.
January 11:	Review drafts of white papers available.
February 14:	Reviewer comments available.
March (date TBA):	Workshop
May 15:	Workshop summary under review.
June 16:	Comments due on draft workshop summary.
July 17:	Final workshop summary submitted to EVOS.

C. Completion Date

The documents will be completed in August and the project will be completed by the end of September 2000.

PUBLICATIONS AND REPORTS

The final workshop report will be produced as noted above, and publications are likely for the evaluation of each major topic.

PROFESSIONAL CONFERENCES

The presentation of the scope of this project will be presented at the annual EVOS conference. The results may also be written up for presentation at other conferences or workshops in Alaska.

NORMAL AGENCY MANAGEMENT

This project is proposed to the Trustees Council because it is largely outside the scope of normal agency work. Specifically, the evaluation of the many studies and sampling efforts goes well beyond the functions and expertise of any one agency or academic organization, and thus may not be funded by those organizations under normal agency management. Funding the core commitment of specialists' time and travel costs for the workshop participants is therefore essential to the success of the project.

COORDINATION AND INTEGRATION OF RESTORATION EFFORT

The synthesis of "lessons learned" from studies funded by the Trustee Council helps support goals and priorities of the damage assessment and restoration phases of the EVOS program. The evaluation represented by this pilot project helps ensure a complete understanding of the program.

As an added benefit, should a subsequent oil spill affect an area not fully restored, the findings of this project may help focus the appropriate response and sampling.

PROPOSED PRINCIPAL INVESTIGATOR

Name: Marianne G. See
Affiliation: Department of Environmental Conservation, Office of the Commissioner
Mailing address: 555 Cordova Street, Anchorage, Alaska 99501
Phone number: (907) 269-7635
Fax number: (907) 269-7508
E-mail address: msee@envircon.state.ak.us

Marianne See has more than 25 years of northern environmental science and resource management experience, and has worked in Alaska since 1980 in federal (U.S. Department of Interior), business (environmental consulting) and state service (Alaska Departments of Fish and Game, and Environmental Conservation).

OTHER KEY PERSONNEL

Selected state, federal, and university experts to write white papers for this project, and who have extensive EVOS research credentials include: James Bodkin, U.S. Geological Survey (sea otter); Stanley Rice, National Marine Fisheries Service (blue mussel and pink salmon); Daniel Rosenberg, Alaska Department of Fish and Game (harlequin duck); David Roseneau, U.S. Fish and Wildlife Service (murres), Evelyn Brown, University of Alaska (herring), Don Dumond, University of Oregon (archeology), and Norman Meade, National Oceanic and Atmospheric Administration (recreation). Alternates under consideration as a backup plan include Mark Willette ADF&G (herring and pink salmon), Brian Bue (pink salmon) and A.J. Paul University of Alaska (herring).

LITERATURE CITED

Exxon Valdez Oil Spill Trustee Council. 1999. Invitation to Submit Restoration Proposals for Federal Fiscal Year 2000.

Revision 30-99
(Marianne is to deliver final copy Mon. a.m. - 8/2/99)

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Budget Category:	Authorize FY 1999	Proposed FY 2000	PROPOSED FY 2000 TRUSTEE AGENCIES TOTALS					
			ADEC	ADF&G	ADNR	USFS	DOI	NOAA
			$31.0	$11.8	$ 8.3	$0.0	$8.2	$19.1
Personnel	$0.0	$39.5						
Travel	$0.0	$5.8						
Contractual	$0.0	$25.3						
Commodities	$0.0	$0.0						
Equipment	$0.0	$0.0	LONG RANGE FUNDING REQUIREMENTS					
Subtotal	$0.0	$70.6			Estimated FY 2001	Estimated FY 2002		
General Administration	$0.0	$7.8						
Project Total	$0.0	$78.4			$0.0	$0.0		
Full-time Equivalents (FTE)	0.0	0.5						
			Dollar amounts are shown in thousands of dollars.					
Other Resources	$0.0	$0.0			$0.0	$0.0		

Comments:

Interagency project: requires participation by Trustee Agencies.

Contractor for workshop facilitation and summary to be selected through RFP process. (See 3B for ADEC)

Participation costs are estimates for specialists' time to review EVOS studies and data, prepare "white papers," participate in project workshop and help finalize workshop report. Two of the specialists will be contracted, others are agency staff.

Agency costs in specified cases include participation with trustee agency representatives and Chief Scientist to carry out required project tasks.

FY00

Prepared:

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effects
Lead Agency: ADEC

FORM 2A
MULTI-TRUSTEE
AGENCY
SUMMARY

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Budget Category:	Authorize FY 1999	Proposed FY 2000
Personnel		$8.1
Travel		$0.0
Contractual		$20.3
Commodities		$0.0
Equipment		$0.0
Subtotal	$0.0	28.4 ~~$31.8~~
General Administration		$2.6
Project Total	$0.0	$31.0
Full-time Equivalents (FTE)		0.1
Other Resources		

LONG RANGE FUNDING REQUIREMENTS					
		Estimated FY 2001	Estimated FY 2002		
		$0.0	$0.0		

Dollar amounts are shown in thousands of dollars.

Comments:

Estimated cost of ADEC Principal Investigator to lead project, manage contracts, review of the report drafts, organize the project workshop, co-write workshop summary, oversee report review, revisions, and final document.

GA -- 8.1 x .15 = 1.2 (1.2)
20.3 x .07 = 1.4 (1.4)
1.2 + 1.4 = 2.6

FY00

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effects
Agency: ADEC

FORM 3A
TRUSTEE
AGENCY
SUMMARY

Prepared:

2000 EXXON VALDEZ TRUST[illegible] COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Personnel Costs:			GS/Range/	Months	Monthly		Proposed
Name	Position Description		Step	Budgeted	Costs	Overtime	FY 2000
M. See	Restoration Specialist (Principal Investigator)			1.0	8.1		8.1
		Subtotal		1.0	8.1	0.0	
When a non-trustee organization is used, the form 4A is required.						**Personnel Total**	$8.1

Travel Costs:	Proposed
Description	FY 2000
Travel Total	$0.0

FY00

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effects
Agency: ADEC

FORM 3B
Contractual & Commodities
DETAIL

Prepared:

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Contractual Costs:	Proposed
Description	FY 2000
Contract for two (2) day workshop facilitation, recording, and co-write workshop summary with PI. Produce final report per EVOS procedures. Includes contractor indirect estimated at 10%. Contractor to be selected through RFP process (thus 4A not included at this time).	15.5
Contract with University of Alaska for species expert on herring (Evelyn Brown; proposed but not confirmed). Alternates would be Mark Willette (ADF&G) or A.J. Paul (U of A). Reviews EVOS studies and data and prepare a "white paper," participate in a project workshop and help finalize workshop report. Includes salary 2.9 (0.4 month) plus travel from Fairbanks for workshop (ticket .3 and .6 per diem).	3.8
Contract with archeology expert (Don Dumond, University of Oregon, Emeritus) to review EVOS studies and data and prepare a "white paper," participate in project workshop, and help finalize workshop report. Includes salary of 3.2 (0.4) month), plus travel from Portland, Oregon for workshop (ticket .4 plus .6 per diem).	4.2
Contractual Total	$23.5

Commodities Costs:	Proposed
Description	FY 2000
See new page	
Commodities Total	$0.0

FY00

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effects
Agency: ADEC

FORM 3B
Contractual & Commodities
DETAIL

Prepared:

2000 EXXON VALDEZ TRU_ . __ COUNCIL PROJECT BUDGET
October 1, 1999 - September 30, 2000

Contractual Costs:	Proposed FY 2000
Description	
Contract for two (2) day workshop facilitation, recording, and co-write workshop summary with PI. Produce final report per EVOS procedures. Contractor to be selected through RFP process (thus 4A not included at this time).	12.3
Contract with University of Alaska for species expert on herring (Evelyn Brown; proposed but not confirmed). Alternates would be Mark Willette (ADF&G) or A.J. Paul (U of A). Reviews EVOS studies and data and prepare a "white paper," participate in a project workshop and help finalize workshop report. Includes salary 2.9 (0.4 month) plus travel from Fairbanks for workshop (ticket .3 and .6 per diem).	3.8
Contract with archeology expert (Don Dumond, University of Oregon, Emeritus) to review EVOS studies and data and prepare a "white paper," participate in project workshop, and help finalize workshop report. Includes salary of 3.2 (0.4) month), plus travel from Portland, Oregon for workshop (ticket .4 plus .6 per diem).	4.2
Contractual Total	$20.3

Commodities Costs:	Proposed FY 2000
Description	
Commodities Total	$0.0

FY00

Prepared:

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effects
Agency: ADEC

FORM 3B
Contractual & Commodities DETAIL

New Equipment Purchases: Description	Number of Units	Unit Price	Proposed FY 2000
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
Those purchases associated with replacement equipment should be indicated by placement of an R.		New Equipment Total	$0.0

Existing Equipment Usage: Description	Number of Units	Inventory Agency

FY00

Prepared:

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effect
Agency: ADEC

FORM 3B
Equipment
DETAIL

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Budget Category:	Authorized FY 1999	Proposed FY 2000
Personnel		$9.1
Travel		$1.3
Contractual		$0.0
Commodities		$0.0
Equipment		$0.0
Subtotal	$0.0	$10.4
General Administration		$1.4
Project Total	$0.0	$11.8
Full-time Equivalents (FTE)		0.1
Other Resources		

LONG RANGE FUNDING REQUIREMENTS					
		Estimated FY 2001	Estimated FY 2002		
		$0.0	$0.0		

Dollar amounts are shown in thousands of dollars.

Comments:

1. Estimated cost of ADF&G biologist's participation with trustee agency representatives and the Chief Scientist to:
   a) develop questions for resource experts to address in "white papers",
   b) identify workshop participants,
   c) coordinate agency review and comment (from at least Cordova, Anchorage, and Kodiak offices) on draft white papers specific to ADF&G trust resources,
   d) participate in workshop,
   e) coordinate agency review and comment on workshop report drafts,
   f) finalize workshop report, and
   g) evaluate the pilot project.

2. Estimated cost of ADF&G wildlife biologist to review EVOS studies and data and prepare a "white paper", participate in a project workshop, and review and comment on workshop report drafts.

FY00

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effect
Agency: ADF&G

FORM 3A
TRUSTEE
AGENCY
SUMMARY

red:

2000 EXXON VALDEZ TRUSTE)UNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Personnel Costs:		GS/Range/	Months	Monthly		Proposed
Name	Position Description	Step	Budgeted	Costs	Overtime	FY 2000
C. Slater	Habitat Biologist	20J	1.0	6.7	0.0	6.7
D. Rosenberg	Wildlife Biologist	18J	0.4	5.9	0.0	2.4
	(species expert for harlequin ducks)					0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
	Subtotal		1.4	12.6	0.0	
					Personnel Total	$9.1

Travel Costs:	Ticket	Round	Total	Daily	Proposed
Description	Price	Trips	Days	Per Diem	FY 2000
Participation in workshop					0.0
Cordova staff	0.3	1	2	0.2	0.7
Fairbanks staff	0.2	1	2	0.2	0.6
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
				Travel Total	$1.3

FY00

Prepared:

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effect
Agency: ADF&G

FORM 3B
Personnel
& Travel
DETAIL

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Contractual Costs:	Proposed FY 2000
Description	
When a non-trustee organization is used, the form 4A is required. **Contractual Total**	$0.0
Commodities Costs:	Proposed FY 2000
Description	
Commodities Total	$0.0

FY00

ıred:

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effect
Agency: ADF&G

FORM 3B
Contractual & Commodities DETAIL

2000 EXXON VALDEZ TRUSTE UNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

New Equipment Purchases:	Number	Unit	Proposed
Description	of Units	Price	FY 2000
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
Those purchases associated with replacement equipment should be indicated by placement of an R	**New Equipment Total**		$0.0

Existing Equipment Usage:	Number	Inventory
Description	of Units	Agency

FY00

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effect
Agency: ADF&G

FORM 3B
Equipment
DETAIL

Prepared:

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Budget Category:	Authorized FY 1999	Proposed FY 2000
Personnel		$8.9
Travel		$0.0
Contractual		$0.0
Commodities		$0.0
Equipment		$0.0
Subtotal	$0.0	$8.9
General Administration		$1.3
Project Total	$0.0	$10.2
Full-time Equivalents (FTE)		0.1
Other Resources		

LONG RANGE FUNDING REQUIREMENTS

		Estimated FY 2001	Estimated FY 2002		

Dollar amounts are shown in thousands of dollars.

Comments:

Funding is requested to support ADNR participation with trustee agency representatives, trustee agency resource managers, the Chief Scientist and resource experts to:

1. Develop questions for resource experts to address in "white paper" including coordination within the agency
2. Identify workshop participants
3. Coordinate agency review and comment on draft white papers relevant to ADNR areas of trust responsibilities
4. Participate in workshop
5. Coordinate agency reveiw and comment on workshop report draft
6. Participate in finalizaiton of workshop summary and
7. Evaluation of pilot project.

see new page

FY00

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effects
Agency: ADNR

FORM 3A
TRUSTEE
AGENCY
SUMMARY

red:

2000 EXXON VALDEZ TRUS COUNCIL PROJECT BUDGET
October 1, 1999 - September 30, 2000

Budget Category:	Authorized FY 1999	Proposed FY 2000						
Personnel		$7.2						
Travel		$0.0						
Contractual		$0.0						
Commodities		$0.0						
Equipment		$0.0	LONG RANGE FUNDING REQUIREMENTS					
Subtotal	$0.0	$7.2			Estimated FY 2001	Estimated FY 2002		
General Administration		$1.1						
Project Total	$0.0	$8.3						
Full-time Equivalents (FTE)		0.1						
	Dollar amounts are shown in thousands of dollars.							
Other Resources								

Comments:
Funding is requested to support ADNR participation with trustee agency representatives, trustee agency resource managers, the Chief Scientist and resource experts to:
1. Develop questions for resource experts to address in "white paper" including coordination within the agency
2. Identify workshop participants
3. Coordinate agency review and comment on draft white papers relevant to ADNR areas of trust responsibilities
4. Participate in workshop
5. Coordinate agency reveiw and comment on workshop report draft
6. Participate in finalizaiton of workshop summary and
7. Evaluation of pilot project.

FY00

Prepared:

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effects
Agency: ADNR

FORM 3A
TRUSTEE
AGENCY
SUMMARY

2000 EXXON VALDEZ TRUS COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Personnel Costs:		GS/Range/	Months	Monthly		Proposed
Name	Position Description	Step	Budgeted	Costs	Overtime	FY 2000
C. Fries	Natural Resource Manager	20	1.0	7.2		7.2
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
	Subtotal		1.3	14.1	0.0	
					Personnel Total	$7.2

Travel Costs:	Ticket	Round	Total	Daily	Proposed
Description	Price	Trips	Days	Per Diem	FY 2000
					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

FY00

Prepared:

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effects
Agency: ADNR

FORM 3B
Personnel
& Travel
DETAIL

2000 EXXON VALDEZ TRUST[illegible] OUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Personnel Costs:		GS/Range/	Months	Monthly		Proposed
Name	Position Description	Step	Budgeted	Costs	Overtime	FY 2000
	Natural Resource Manager	20	1.0	7.2		7.2
	Natural Resource Manager	18	0.25	6.9		1.7
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
	Subtotal		1.3	14.1	0.0	
					Personnel Total	$8.9

Travel Costs:	Ticket	Round	Total	Daily	Proposed
Description	Price	Trips	Days	Per Diem	FY 2000
					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

See next page

FY00

Prepared:

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effects
Agency: ADNR

FORM 3B
Personnel
& Travel
DETAIL

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET
October 1, 1999 - September 30, 2000

Contractual Costs:	Proposed
Description	FY 2000
When a non-trustee organization is used, the form 4A is required. **Contractual Total**	$0.0

Commodities Costs:	Proposed
Description	FY 2000
Commodities Total	$0.0

FY00

P ed:

Project Number: 00530
Project Title: Evaluating Scientific Samping of Oil Spill Effects
Agency: ADNR

FORM 3B
Contractual & Commodities DETAIL

New Equipment Purchases: Description	Number of Units	Unit Price	Proposed FY 2000
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
Those purchases associated with replacement equipment should be indicated by placement of an R.		**New Equipment Total**	$0.0

Existing Equipment Usage: Description	Number of Units	Inventory Agency

FY00

Project Number: 00530
Project Title: Evaluating Scientific Samping of Oil Spill Effects
Agency: ADNR

FORM 3B
Equipment
DETAIL

Prepared:

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Budget Category:	Authorized FY 1999	Proposed FY 2000
Personnel	$0.0	$0.0
Travel	$0.0	$0.0
Contractual	$0.0	$0.0
Commodities	$0.0	$0.0
Equipment	$0.0	$0.0
Subtotal	$0.0	$0.0
General Administration	$0.0	$0.0
Project Total	$0.0	$0.0
Full-time Equivalents (FTE)	0.0	0.2
Other Resources		

LONG RANGE FUNDING REQUIREMENTS

Dollar amounts are shown in thousands of dollars.

		Estimated FY 2001	Estimated FY 2002		
		$0.0	$0.0		

Comments:

Estimated cost of USFS specialist's time to participate in RFP process, review of the report drafts, and the project workshop. Cost represents an estimate of 0.1 FTE.

FY00

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effects
Lead Agency: USFS

FORM 2A
MULTI-TRUSTEE
AGENCY
SUMMARY

Prepared:

2000 EXXON VALDEZ TRU E COUNCIL PROJECT BUDGET
October 1, 1999 - September 30, 2000

Personnel Costs: Name	Position Description	GS/Range/ Step	Months Budgeted	Monthly Costs	Overtime	Proposed FY 2000
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
	Subtotal		1.0	5.0	0.0	
					Personnel Total	$0.0

Travel Costs: Description	Ticket Price	Round Trips	Total Days	Daily Per Diem	Proposed FY 2000
					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

FY00

Prepared:

Project Number: 00530
Project Title: Evaluating Scientific Samping of Oil Spill Effects
Agency: USFS

FORM 3B
Personnel
& Travel
DETAIL

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET
October 1, 1999 - September 30, 2000

Contractual Costs:	Proposed
Description	FY 2000
When a non-trustee organization is used, the form 4A is required. **Contractual Total**	$0.0

Commodities Costs:	Proposed
Description	FY 2000
Commodities Total	$0.0

FY00

Project Number: 00530
Project Title: Evaluating Scientific Samping of Oil Spill Effects
Agency: USFS

FORM 3B
Contractual &
Commodities
DETAIL

Prepared:

New Equipment Purchases: Description	Number of Units	Unit Price	Proposed FY 2000
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
Those purchases associated with replacement equipment should be indicated by placement of an R.		**New Equipment Total**	$0.0

Existing Equipment Usage: Description	Number of Units	Inventory Agency

FY00

Project Number: 00530
Project Title: Evaluating Scientific Samping of Oil Spill Effects
Agency: USFS

FORM 3B
Equipment
DETAIL

Prepared:

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Budget Category:	Authorized FY 1999	Proposed FY 2000
Personnel	$0.0	$5.3
Travel	$0.0	$2.1
Contractual	$0.0	$0.0
Commodities	$0.0	$0.0
Equipment	$0.0	$0.0
Subtotal	$0.0	$7.4
General Administration	$0.0	$0.8
Project Total	$0.0	$8.2
Full-time Equivalents (FTE)	0.0	0.1
Other Resources		

LONG RANGE FUNDING REQUIREMENTS

Estimated FY 2001	Estimated FY 2002
$0.0	$0.0

Dollar amounts are shown in thousands of dollars.

Comments:

Costs include salary for two agency specialists to review NRDA studies and data and each prepare a "white paper," participate in a workshop, and help finalize the workshop report. Travel to attend workshop is also included.

FY00

Project Number: 00530
Project Title: Lessons Learned: Evaluating Scientific Sampling of Oil Spill Effects
Lead Agency: USDC

FORM 3A
TRUSTEE
AGENCY
SUMMARY

Prepar

2000 EXXON VALDEZ TRUS :OUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Personnel Costs:		GS/Range/	Months	Monthly		Proposed
Name	Position Description	Step	Budgeted	Costs	Overtime	FY 2000
(D. Roseneau)	Species Expert-Murres	GS-11	0.4	6.4		2.6
(J. Bodkin)	Species Expert-Sea Otter		0.4	6.8		2.7
When a non-trustee organization is used, the form 4A is required.				**Personnel Total**		$5.3

Travel Costs:	Ticket	Round	Total	Daily	Proposed
Description	Price	Trips	Days	Per Diem	FY 2000
Travel to Anchorage for workshop - species experts.	0.2	1	3	0.2	0.8
Travel to Anchorage for workshop - recreation expert (B. Peacock)	0.7	1	3	0.2	1.3
			Travel Total		$2.1

FY00

Prepared:

Project Number: 00530
Project Title: Lessons Learned:Evaluating Scientific Sampling of Oil Spill Effects
Agency: USDOI

FORM 3B
Personnel & Travel
DETAIL

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET
October 1, 1999 - September 30, 2000

Contractual Costs:	Proposed FY 2000
Description	
When a non-trustee organization is used, the form 4A is required. **Contractual Total**	$0.0

Commodities Costs:	Proposed FY 2000
Description	
Commodities Total	$0.0

FY00

Prepared:

Project Number: 00530
Project Title: Evaluating Scientific Samping of Oil Spill Effects
Agency: DOI

FORM 3B
Contractual & Commodities DETAIL

2000 EXXON VALDEZ TRUSTE UNCIL PROJECT BUDGET
October 1, 1999 - September 30, 2000

New Equipment Purchases: Description	Number of Units	Unit Price	Proposed FY 2000
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
Those purchases associated with replacement equipment should be indicated by placement of an R.		**New Equipment Total**	$0.0

Existing Equipment Usage: Description	Number of Units	Inventory Agency

FY00

Project Number: 00530
Project Title: Evaluating Scientific Samping of Oil Spill Effects
Agency: DOI

FORM 3B
Equipment
DETAIL

Prepared:

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Budget Category:	Authorized FY 1999	Proposed FY 2000
Personnel	$0.0	$9.8
Travel	$0.0	$2.4
Contractual	$0.0	$5.0
Commodities	$0.0	$0.0
Equipment	$0.0	$0.0
Subtotal	$0.0	$17.2
General Administration	$0.0	$1.9
Project Total	$0.0	$19.1
Full-time Equivalents (FTE)	0.0	0.8

LONG RANGE FUNDING REQUIREMENTS

Estimated FY 2001	Estimated FY 2002
$0.0	$0.0

Dollar amounts are shown in thousands of dollars.

Other Resources

Comments:

Estimated cost of NOAA specialist's time to review EVOS studies and data and prepare a "white paper," participate in a project workshop, and help finalize workshop report.

Includes travel to participate in workshop.

FY00

Prepared:

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effects
Lead Agency: NOAA

FORM 2A
MULTI-TRUSTEE
AGENCY
SUMMARY

2000 EXXON VALDEZ TRU..._ COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Personnel Costs:			GS/Range/	Months	Monthly		Proposed
Name	Position Description		Step	Budgeted	Costs	Overtime	FY 2000
S. Rice	Resource Specialist Species Expert: Blue Mussels (.4 wm) Pink Salmon (.4 wm)			0.8	12.2		9.8
N. Meade	Resource Economist (PI: Recreation)	**SALARY PAID BY NOAA**					
When a non-trustee organization is used, the form 4A is required.						**Personnel Total**	$9.8

Travel Costs:		Ticket	Round	Total	Daily	Proposed
Description		Price	Trips	Days	Per Diem	FY 2000
Travel to Anchorage for Workshop	(S. Rice)	0.5	1	3	0.2	1.1
	(N. Meade)	0.7	1	3	0.2	1.3
					Travel Total	$2.4

FY00

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effects
Agency: NOAA

FORM 3B
Contractual & Commodities DETAIL

Prepared:

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET
October 1, 1999 - September 30, 2000

Contractual Costs:	Proposed FY 2000
Description	
Contract for collaboration assistance on recreation value for "white paper," (Norman Meade: Principal Investigator and contract manager for recreation portion).	$5.0
Contractual Total	$5.0

Commodities Costs:	Proposed FY 2000
Description	
Commodities Total	$0.0

FY00

Prepared:

Project Number: 00530
Project Title: Evaluating Scientific Sampling of Oil Spill Effects
Agency: NOAA

FORM 3B
Contractual & Commodities DET.

New Equipment Purchases: Description	Number of Units	Unit Price	Proposed FY 2000
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
Those purchases associated with replacement equipment should be indicated by placement of an R.		**New Equipment Total**	$0.0

Existing Equipment Usage: Description	Number of Units	Inventory Agency

FY00

Project Number: 00530
Project Title: Evaluating Scientific Samping of Oil Spill Effects
Agency: NOAA

FORM 3B
Equipment
DETAIL

Prepared:

Revision 8-2-99

Information Transfer to Resource Managers, Stakeholders, and General Public

Project Number:	00605
Restoration Category:	Public Information
Proposer:	Restoration Office, *Exxon Valdez* Oil Spill Trustee Council
Lead Trustee Agency:	Restoration Office (ADFG)
Cooperating Agencies:	DOI
Alaska SeaLife Center:	No
Duration:	1st year of a 1-year project
Cost FY 00:	$19,800
Cost FY 01:	$0
Cost FY 02:	$0
Geographic Area:	
Injured Resource/Service:	All injured resources and services

ABSTRACT

Public information is an integral part of Trustee Council activities. This project increases public awareness and understanding of EVOS restoration activities through improvements to the EVOS web site, improves the ability of researchers to locate and order pertinent publications, and educates managers of fish, wildlife, land, and habitat about new data and new tools available to them through EVOS-funded projects.

INTRODUCTION

This project is part of a multi-faceted approach to update and revise the EVOS web site and promote data and tools developed from EVOS research that are directly relevant to resource management. It has two main objectives.

First, it establishes a mechanism to make the bibliography of peer-reviewed publications and EVOS final reports available on the web and searchable by key words, authors, species, and resource cluster. Researchers will then have a direct link to ARLIS to receive a copy of the publication through library loan.

Second, it identifies EVOS projects that have resulted in pertinent data and practical tools for managers of fish, wildlife, land and habitat. Those applicable projects and results will be flagged as part of the web site revisions mentioned above. In addition, a publication will be designed, printed and distributed that highlights tools and data sets available for managers. The publication, web site, and other tools such as Environmentally Sensitive Index (ESI) maps (Project 99368) will be introduced at an open house designed to bring managers together with PIs for presentations and discussions on useful results of EVOS-funded projects.

This project also complements Project 00414 as well as an in-house revision of the web site to make it easier for the general public to review and understand restoration activities.

NEED FOR THE PROJECT

A. Statement of the Problem

Through FY 99, the Trustee Council has funded $109 million in research and monitoring efforts, resulting in a better general understanding about the Gulf of Alaska ecosystem, 288 peer-reviewed publications, and 133 final reports (as of August 1, 1999). This information is currently available to scientific researchers and to the general public in various ways, but is not easily researched through the EVOS web site. The general public, including residents and stakeholders of the spill region, want to know what we have gained from 10 years of research. Scientific researchers want easy access to the new data and results of EVOS projects. Managers of fish, wildlife, and land/habitat want to know what new tools might assist them in their permitting and resource planning efforts. Currently, the web site does not offer this information in ways that is easy to understand and easy to use. Resource managers also need this information provided in a printed format that is accessible off the shelf and would benefit from presentations on EVOS results directly from the principal investigators.

B. Rationale/Link to Restoration

This effort is a vital step in information management of the EVOS Restoration program; it provides an important means of information transfer of research findings to user groups.

C. Location

No field work is planned for this project.

COMMUNITY INVOLVEMENT AND TRADITIONAL ECOLOGICAL KNOWLEDGE

Remote communities in the oil spill region with Internet access, like other user groups, will be able to find sources of reports and publications more readily.

PROJECT DESIGN

A. Objectives

(1) For researchers and resource managers: convert the bibliography of peer reviewed publications and all available final reports so that they are searchable by species, resource cluster, names of all authors, and key words; add abstracts; identify and flag reports and manuscripts useful to resource managers; post it all on the web; and add a mechanism for ordering documents from ARLIS.

(2) For resource managers: create visually pleasing and readable booklet(s) of EVOS-funded management tools, containing a descriptive paragraph of each item, plus graphics or photos, and a list of sources (web sites, publications, people) where they can learn more.

(3) For resource managers: host an open house for fish, wildlife, and land/habitat managers where they can receive the booklet mentioned above, get a tour of the revised web site, introduce and review Environmentally Sensitive Index (ESI) maps, and listen to presentations by PIs on management tools and resources.

B. Methods

The methods described below are organized by project objective:

(1)
a. Working with ARLIS, obtain copies of 83 articles that are not yet on file at the library.
b. Scan abstracts of all articles and convert them into format searchable on the web.
c. Identify keywords, as necessary
d. Convert existing final report information on web to a searchable format
e. Add search mechanism to the web site.
f. Identify which articles provide useful tools and information for resource managers and flag them.
g. Update throughout the year as articles and final reports become available

(2)
a. Identify data and tools most useful for resource managers.
b. Organize them (possibly by resource) to allow a logical presentation of facts and materials.
c. Create and print a booklet that provides a concise synopsis of each tool, provides helpful graphics and photographs, and provides information on how to obtain more detailed information, either through web sites, publications, or contacting principal investigators.

(3) a. Identify list of data and tools most useful for resource managers.
b. Determine an appropriate time for an open house (possibly in late March)
c. Invite principal investigators to attend and make presentations.
d. Invite resource managers from federal and state agencies to attend
e. Host an open house at the Restoration Office to introduce tools and data to managers.

C. Cooperating Agencies, Contracts, and Other Agency Assistance

The U.S.G.S. will provide technical assistance and expertise in development of a searchable web site, led by U.S.G.S. webmaster Mary Whalen. This project is being coordinated with Projects 00414 and 99368 as well as with the in-house Restoration Office effort. It will also be coordinated with principal investigators, agency liaisons, and resource managers from state and federal agencies.

SCHEDULE

A. Measurable Project Tasks for FY 00

December 1, 1999
a. Obtain 83 articles not currently at ARLIS
b. Scan and convert abstracts of all articles into word processing format
c. Convert bibliographies of articles and final reports to ProCite; add key words and abstracts
d. Flag articles that will have data useful to resource managers

January 15, 2000
a. Convert Project Data Base so it's searchable by key words
b. Update data base with newly available final reports
c. Install software for searching data and ordering reports from ARLIS
d. Post bibliographies of articles and final reports onto web using new format

March 15, 2000
ESI maps to be posted onto the web site

SPRING (date to be determined)
Publication for resource managers to be completed
Copies of ESI maps to be made
Host open house for resource managers

B. Project Milestones and Endpoints

The first publically available posting on the Internet of the new searchable system is scheduled for January 15, 2000 so that it can be introduced at the 2000 Annual Workshop. The system will be updated regularly so that latest articles and final reports will be posted.

C. Completion Date
September 30, 2000

PUBLICATIONS AND REPORTS

One or more booklets will be created and distributed to resource managers to explain what tools and data are available, how to access that information, and who to contact.

PROFESSIONAL CONFERENCES

Participation in professional conferences is not anticipated.

NORMAL AGENCY MANAGEMENT

As this is an effort to promote EVOS-funded data and results, it would not fall under normal agency management.

COORDINATION AND INTEGRATION OF RESTORATION EFFORT

This project is being coordinated with Projects 00414 and 99368 as well as with the in-house Restoration Office effort to revise and improve the web site. It will also be coordinated with principal investigators, agency liaisons, and resource managers from state and federal agencies.

PROPOSED PRINCIPAL INVESTIGATOR

Joe Hunt, Communications Coordinator
Exxon Valdez Oil Spill Trustee Council
645 G Street, Suite 401
Anchorage, Alaska 99501
907-278-8012
907-276-7178 (fax)
<joe_hunt@oilspill.state.ak.us>

PRINCIPAL INVESTIGATOR

Joe Hunt has 16 years of experience in Alaska in communications, journalism, public relations, publications, and advertising. He has been communications coordinator of the Trustee Council since 1996. Joe's role will be to oversee the overall development of the website, create publications, and coordinate the open house with resource managers.

OTHER KEY PERSONNEL

Mary Whalen
U.S. Geological Survey
Alaska Biological Science Center
1011 E. Tudor Road
Anchorage, AK 99503

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Personnel Costs:		GS/Range/	Months	Monthly		Proposed
Name	Position Description	Step	Budgeted	Costs	Overtime	FY 2000
M. Whalen	Data Manager, Web Master	GS-11	0.8	5.0		4.0
Curt Erhart	Technical Support	GS-7	0.5	4.0		2.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
	Subtotal		1.3	9.0	0.0	
					Personnel Total	$6.0

Travel Costs:	Ticket	Round	Total	Daily	Proposed
Description	Price	Trips	Days	Per Diem	FY 2000
					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

FY00

Prepared:

Project Number: 00605
Project Title: Information Transfer to Resource Managers, Stakeholders, and General Public
Agency: DOI - U.S. Geological Survey

FORM 3B
Personnel
& Travel
DETAIL

Revis[redacted] 8-2-99

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Budget Category:	Authorized FY 1999	Proposed FY 2000
Personnel		$6.0
Travel		$0.0
Contractual		$0.0
Commodities		$0.0
Equipment		$0.0
Subtotal	$0.0	$6.0
General Administration		$0.9
Project Total	$0.0	$6.9
Full-time Equivalents (FTE)		0.1
Other Resources		

LONG RANGE FUNDING REQUIREMENTS					
		Estimated FY 2001	Estimated FY 2002		
		$0.0	$0.0		

Dollar amounts are shown in thousands of dollars.

Comments:

ADFG 12.9

DOI 6.9

$19.8

FY00

Prepared:

Project Number: 00605
Project Title: Information Transfer to Resource Managers, Stakeholders, and General Public
Agency: DOI - U.S. Geological Survey

FORM 3A
TRUSTEE
AGENCY
SUMMARY

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Contractual Costs:	Proposed FY 2000
Description	
When a non-trustee organization is used, the form 4A is required. **Contractual Total**	$0.0

Commodities Costs:	Proposed FY 2000
Description	
Commodities Total	$0.0

FY00

Prepared:

Project Number: 00605
Project Title: Information Transfer to Resource Managers, Stakeholders, and General Public
Agency: DOI - U.S. Geological Survey

FORM 3B
Contractual & Commodities DETAIL

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET
October 1, 1999 - September 30, 2000

New Equipment Purchases: Description	Number of Units	Unit Price	Proposed FY 2000
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
Those purchases associated with replacement equipment should be indicated by placement of an R.		**New Equipment Total**	$0.0

Existing Equipment Usage: Description	Number of Units	Inventory Agency

FY00

Prepared:

Project Number: 00605
Project Title: Information Transfer to Resource Managers, Stakeholders, and General Public
Agency: EVOS Restoration Office

FORM 3B
Equipment
DETAIL

Revision 10-2-99

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Budget Category:	Authorized FY 1999	Proposed FY 2000						
Personnel		$0.0						
Travel		$5.5						
Contractual		$6.0						
Commodities		$1.0						
Equipment		$0.0	LONG RANGE FUNDING REQUIREMENTS					
Subtotal	$0.0	$12.5			Estimated FY 2001	Estimated FY 2002		
General Administration		$0.4						
Project Total	$0.0	$12.9			$0.0	$0.0		
Full-time Equivalents (FTE)		0.0						
	Dollar amounts are shown in thousands of dollars.							
Other Resources								

Comments:

FY00

Prepared:

Project Number: 00605
Project Title: Information Transfer to Resource Managers, Stakeholders, and General Public
Agency: Dept. of Fish & Game, EVOS Restoration Office

FORM 3A
TRUSTEE
AGENCY
SUMMARY

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET
October 1, 1999 - September 30, 2000

Personnel Costs:		GS/Range/	Months	Monthly		Proposed
Name	Position Description	Step	Budgeted	Costs	Overtime	FY 2000
In-house						0.0
Restoration Office staff						0.0
time will be provided by						0.0
Joe Hunt, Cherri Womac,						0.0
and Paula Banks						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	Proposed
Description		Price	Trips	Days	Per Diem	FY 2000
						0.0
Resource managers & principal investigators attending the open house						0.0
						0.0
Travel from:	Juneau	250.0	6	1	270.0	1,770.0
	Cordova	210.0	3	1	435.0	1,065.0
	Kodiak	230.0	3	1	435.0	1,125.0
	Fairbanks	195.0	3	1	135.0	720.0
	Kenai	100.0	3	1	135.0	435.0
	Homer	130.0	2	1	90.0	350.0
						0.0
						0.0
						0.0
					Travel Total	$5,465.0

FY00

Prepared:

Project Number: 00605
Project Title: Information Transfer to Resource Managers, Stakeholders, and General Public
Agency: Dept. of Fish & Game, EVOS Restoration Office

FORM 3B
Personnel
& Travel
DETAIL

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 1999 - September 30, 2000

Contractual Costs:	Proposed FY 2000
Description	
Printing -- Booklet(s), 24 pages, 2 color, for resource managers and public	6.0
When a non-trustee organization is used, the form 4A is required. **Contractual Total**	$6.0

Commodities Costs:	Proposed FY 2000
Description	
Open House expenses, including posters, slides, refreshments, audio-video rentals, scans, printing	1.0
Commodities Total	$1.0

FY00

Prepared:

Project Number: 00605
Project Title: Information Transfer to Resource Managers, Stakeholders, and General Public
Agency: Dept. of Fish & Game, EVOS Restoration Office

FORM 3B
Contractual & Commodities DETAIL

2000 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET
October 1, 1999 - September 30, 2000

New Equipment Purchases: Description	Number of Units	Unit Price	Proposed FY 2000
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
Those purchases associated with replacement equipment should be indicated by placement of an R.		**New Equipment Total**	$0.0

Existing Equipment Usage: Description	Number of Units	Inventory Agency

FY00

Prepared:

Project Number: 00605
Project Title: Information Transfer to Resource Managers, Stakeholders, and General Public
Agency: Dept. of Fish & Game, EVOS Restoration Office

FORM 3B
Equipment
DETAIL

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

Restoration Office Tentative Meeting Schedule

August 1999
9 Trustee Council meeting on FY2000 Final Work Plan, Anchorage
PLEASE NOTE THE DATE CHANGE FOR THE 8/99 TC MEETING
10 GEM Planning meeting

September 1999
27-28 99330 Workshop
*TBA Public Advisory Group Field Trip

October 1999
*TBA Presentation to the Public Advisory Group on Draft GEM Plan
*TBA Presentation to the Trustee Council on Draft GEM Plan

November 1999
*TBA Herring Workshop

December 1999
*13 Trustee Council Meeting on Deferred Projects for FY2000 Work Plan

January 2000

February 2000

* tentative meeting dates

For more information on any of the above meetings, please contact the Anchorage Restoration Office.

Update: 7/30/99 rwf

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178

FAX COMPLETE

FAX COVER SHEET

To: **Restoration Work Force** Date: 8/6/99

From: Molly McCammon Total Pages: 2

Comments:

Better late than never, here is the latest tentative meeting schedule.

RESTORATION WORK FORCE MEMBERS INCLUDE:

Bruce Wright	Bill Hauser	Dede Bohn
Carol Fries	Claudia Slater	Marianne See
Rita Miraglia	Catherine Berg	Bob Spies
Ken Holbrook	Bud Rice	

HARD COPY TO FOLLOW NO FAX SENT BY: Rebecca

7/15/99pdb

****
*** ACTIVITY REPORT ***
****

TRANSMISSION OK

TX/RX NO.	7822
CONNECTION TEL	2697508
CONNECTION ID	MARIANNE SEE
START TIME	08/05 09:54
USAGE TIME	01'01
PAGES	2
RESULT	OK

****
*** MULTI TRANSACTION REPORT ***
****

TX/RX NO. 7822

INCOMPLETE TX/RX	[26] 2697508	MARIANNE SEE
TRANSACTION OK	[09] 19075867589	JUNEAU OFFICE
	[13] 19077896608	BRUCE WRIGHT
	[15] 2698918	CAROL FRIES
	[16] 2672450	RITA MIRAGLIA
	[17] 2713992	GIBBONS/HOLBROOK
	[18] 2672464	C.SLATER
	[20] 7863350	C.BERG
	[21] 2572517	B.RICE
	[22] 7863636	D.BOHN
	[35] 19253737834	B.SPIES
ERROR		