# 13.08.01 – Reading File

## November 2001

# *Exxon Valdez* Oil Spill Trustee Council

441 W. 5th Ave., Suite 500 • Anchorage, Alaska 99501-2340 • 907/278-8012 • fax 907/276-7178

## MEMORANDUM

TO: Restoration Work Force

FROM: Molly McCammon
Executive Director

RE: FY 02 Work Plan: Deferred Projects

DATE: November 27, 2001

In August the Council deferred action on 25 projects totaling $2,037,900. I plan to recommend that 14 of these projects totaling $1,263,400 be funded and that three additional projects, totaling $235,000, be deferred further. You will note that my total recommendation is less than the $5 million cap set by the Trustee Council for the FY 02 Work Plan. This represents a deliberate effort to have more money available for the future operation of GEM.

| | |
|---|---|
| Recommended for funding | $1,263.4 |
| Approved by TC in August | 3,113.6 |
| SUBTOTAL | $4,377.0 |
| Deferred further | $ 235.0 |
| TOTAL | $4,612.0 |

I also plan to recommend that the Council approve one project that is outside of the Work Plan cap. Project 02514 would provide start-up funds for implementation of the Lower Cook Inlet Waste Management Plan and is considered a capital project.

My draft recommendation is outlined in the two attachments, both arranged by cluster:

- Spreadsheet (A), the "numbers spreadsheet", presents the recommendation in summary form.
- Spreadsheet (B), the "text spreadsheet", contains the text of the Chief Scientist's recommendation and my draft recommendation for each deferred project, as well as an abstract of each project.

**PLEASE LET ME KNOW BY NOON FRIDAY, NOVEMBER 30 IF YOU HAVE ANY QUESTIONS OR CONCERNS ABOUT MY DRAFT RECOMMENDATIONS.** The Trustee Council's meeting binder will be distributed on Monday, December 3. The Council meeting is scheduled for Tuesday, December 11.

defmemtc

## SPREADSHEET A: EXECUTIVE DIRECTOR'S RECOMMENDATION ON DEFERRED PROJECTS: FY 02 WORK PLAN

| Proj. No. | Project Title | Lead Agency | New or Cont'd | Approved in Aug. | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Estimate | Total FY02-03 | Exec. Director's Recommendation |
|---|---|---|---|---|---|---|---|---|---|
| **Oil Injury** | | | | $209.1 | $402.4 | **$448.8** | $30.0 | $687.9 | |
| 02190 | Linkage Map for Pink Salmon Genome | ADFG | Cont'd | $43.1 | $124.9 | **$124.9** | | $168.0 | Fund |
| 02538 | Methods to Discriminate Herring Stocks | ADFG | Cont'd | $52.9 | $27.5 | **$27.5** | $0.0 | $80.4 | Fund contingent |
| 02543 | Oil Remaining in the Intertidal | NOAA | Cont'd | $113.1 | $250.0 | **$0.0** | $0.0 | $113.1 | See 02585 |
| 02585 | Lingering Oil: Bioavailability & Effects | NOAA | New | $0.0 | $0.0 | **$296.4** | $30.0 | $326.4 | Fund |
| **Spill Recovery Monitoring** | | | | $0.0 | $288.9 | **$94.8** | $35.3 | $130.1 | |
| 02159 | Seabird Boat Surveys | DOI | Cont'd | $0.0 | $194.1 | **$0.0** | $0.0 | $0.0 | Do not fund |
| 02574-BAA | Bivalve Recovery on Treated Beaches | NOAA | New | $0.0 | $94.8 | **$94.8** | $35.3 | $130.1 | Fund |
| **Ecosystem Recovery & Function** | | | | $0.0 | $35.9 | **$2.1** | $0.0 | $2.1 | |
| 02320 | SEA: Printing Final Report | ADFG | Cont'd | $0.0 | $6.2 | **$2.1** | $0.0 | $2.1 | Fund |
| 02659-BAA | Manuscripts: SEA & NVP Avian Predation | NOAA | New | $0.0 | $29.7 | **$0.0** | $0.0 | $0.0 | Do not fund |
| **Spill General Restoration** | | | | | | | | | |
| 02514 | Lower Cook Inlet Waste Management Plan | ADEC | Cont'd | | | | | | OUTSIDE |
| **GEM Transition: Strategies to Improve Monitoring** | | | | $60.4 | $50.0 | **-$10.4** | $0.0 | $50.0 | |
| 02556 | Mapping Marine Habitats | ADFG | New | $0.0 | $50.0 | **$50.0** | $0.0 | $50.0 | Defer |
| 02674-BAA | Pigeon Guillemot Restoration Techniques | NOAA | New | $60.4 | $0.0 | **-$60.4** | $0.0 | $0.0 | Rescind funding |
| **GEM Transition: Tools to Improve Monitoring** | | | | $0.0 | $208.4 | **$120.6** | $280.0 | $400.6 | |
| 02584 | Airborne Remote Sensing Tools | ADFG | New | $0.0 | $75.0 | | $280.0 | $280.0 | PENDING |
| 02624-BAA | Ships of Opportunity: Plankton Survey | NOAA | New | $0.0 | $133.4 | **$120.6** | $0.0 | $120.6 | Fund |



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## SPREADSHEET A: EXECUTIVE DIRECTOR'S RECOMMENDATION ON DEFERRED PROJECTS: FY 02 WORK PLAN

| Proj. No. | Project Title | Lead Agency | New or Cont'd | Approved in Aug. | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Estimate | Total FY02-03 | Exec. Director's Recommendation |
|---|---|---|---|---|---|---|---|---|---|
| **GEM Transition: Synthesis & Retrospective Analysis** | | | | $0.0 | $273.2 | **$220.4** | $0.0 | $220.4 | |
| 02578 | Macrofauna Annotated List | NOAA | New | $0.0 | $35.0 | **$0.0** | $0.0 | $0.0 | Do not fund |
| 02600 | EVOS Synthesis, 1989-2001 | ADNR | New | $0.0 | $151.6 | **$133.8** | | $133.8 | Fund contingent |
| 02622 | Digital ESI Maps: Cook Inlet/Kenai | NOAA | New | $0.0 | $36.6 | **$36.6** | $0.0 | $36.6 | Fund |
| 02636-BAA | Partnership: Spill-Impacted Communities | NOAA | New | $0.0 | $50.0 | **$50.0** | | $50.0 | Fund contingent |
| **GEM Transition: Long-Term Monitoring** | | | | $16.7 | $350.8 | **$233.8** | $0.0 | $250.5 | |
| 02552-BAA | Exchange Between PWS and GOA | NOAA | Cont'd | $0.0 | $102.5 | **$102.5** | $0.0 | $102.5 | Fund contingent |
| 02603 | Ocean Circulation Model | ADFG | New | $0.0 | $66.6 | **$80.1** | $0.0 | $80.1 | Fund contingent |
| 02634 | STAMP | DOI | New | $0.0 | $54.9 | **$0.0** | $0.0 | $0.0 | Do not fund |
| 02667 | Citizens' Environmental Monitoring | ADEC | New | $16.7 | $1.2 | **$1.2** | $0.0 | $17.9 | Fund |
| 02680 | Persistent Organic Contaminants in Fishes | NOAA | New | $0.0 | $75.6 | **$0.0** | $0.0 | $0.0 | Do not fund |
| 02681 | Placeholder: Nearshore Monitoring | | New | $0.0 | $50.0 | **$50.0** | | $50.0 | Defer |
| **Habitat Protection & Improvements** | | | | $0.0 | $141.0 | **$0.0** | $0.0 | $0.0 | |
| 02621 | Kenai River Flats Conservation Easement | ADFG | New | $0.0 | $141.0 | **$0.0** | $0.0 | $0.0 | Withdrawn |
| **Data Management & Information Transfer** | | | | $0.0 | $16.1 | **$16.1** | $0.0 | $16.1 | |
| 02668 | Water Quality and Habitat Database | ADEC | New | $0.0 | $16.1 | **$16.1** | $0.0 | $16.1 | Fund |
| **Community Involvement/Public Outreach/Other** | | | | $108.8 | $271.2 | **$372.2** | | $481.0 | |
| 02052 | Community Involvement | ADFG | Cont'd | $45.0 | $135.0 | **$135.0** | | $180.0 | Defer |
| 02630 | Planning for GEM | ALL | Cont'd | $63.8 | $136.2 | **$237.2** | | $301.0 | Fund contingent |

## SPREADSHEET A: EXECUTIVE DIRECTOR'S RECOMMENDATION ON DEFERRED PROJECTS: FY 02 WORK PLAN

| Proj. No. | Project Title | Lead Agency | New or Cont'd | Approved in Aug. | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Estimate | Total FY02-03 | Exec. Director's Recommendation |
|---|---|---|---|---|---|---|---|---|---|
| | **Total:** | | | $395.0 | $2,037.9 | **$1,498.4** | $345.3 | $2,238.7 | |

**NOTE 1: $235.0 of the $1,498.4 recommendation is deferred further. The amount recommended for approval at December's meeting is $1,263.4.**

**NOTE 2:**

| | |
|---|---|
| **Approved by Trustee Council in August:** | **3,113.6** |
| **Recommended fund or defer in December:** | **1,498.4** |
| **TOTAL:** | **$4,612.0** |

**FY 02 CAP SET BY TRUSTEE COUNCIL: $5,000.0**

## SPREADSHEET A -- EXECUTIVE DIRECTOR'S RECOMMENDATION: DEFERRED PROJECTS / FY 02 WORK PLAN

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| **Oil Injury** | | | | | | $402.4 | **$448.8** | $30.0 | $687.9 |
| 02190 | Construction of a Linkage Map for the Pink Salmon Genome | F. Allendorf/Univ. Montana | ADFG | Cont'd 7th yr. 8 yr. project | $43.1 | $124.9 | **$124.9** | | $168.0 |

Project Abstract

This project will complete the analysis of experiments conducted at the Alaska SeaLife Center that use the linkage map to test for effects of regions of the genome on traits that are important to recovery of pink salmon (e.g., growth and survival). Sexually mature adults from the 1999 cohorts produced from wild pink salmon collected from Likes Creek are expected to return to Resurrection Bay in August and September 2001. Genotypes in released fry will be compared to returning adults to test for genetic differences in marine survival and other life history traits (e.g., body size, egg number, and egg size). [Note: This project, which was scheduled to close out in FY 02, is now requesting $80,300 for FY 03.]

Chief Scientist's Recommendation

This project has already produced a linkage map including a large number of genes in the pink salmon genome. The remaining objectives, determining the relationships between growth and survival and mapped genes, depend entirely on the success of the project in capturing pink salmon that originated from the 1999 crosses conducted at the Alaska SeaLife Center and returned to upper Resurrection Bay in 2001. Funding for FY 02 was deferred pending capture of at least 200 returning experimental fish. Two hundred and sixty-two returning experimental fish were captured. Fund, with closeout as soon as possible after the data are analyzed.

Executive Director's Recommendation

Fund balance of request (interim funding of $43,100 was approved in August). These funds were deferred pending the outcome of the FY 01 (Summer 2001) capture effort. The necessary number of fish were captured, so the project will proceed in FY 02 as planned with closeout in FY 03. This project is important for understanding the genetic traits of pink salmon that affect growth and survival. In addition, the work being done under this project will lay the foundation for experiments to answer questions important to fisheries management about hatchery/wild fish interactions. For example, are hatchery fish changing the gene pool in a way that makes wild fish maladapted to their environment? Are enough hatchery fish getting into streams to effect productivity of wild fish? How adapted are wild fish to particular streams?

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | RECOM-MENDATION | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| 02538 | Evaluation of Two Methods to Discriminate Pacific Herring Stocks along the Northern Gulf of Alaska | T. Otis/ADFG, R. Heintz/NOAA | ADFG | Cont'd 2nd yr. 2 yr. project | $52.9 | $27.5 | **$27.5** | $0.0 | $80.4 |

Project Abstract

This project will perform a comparative investigation of two promising stock identification techniques for Pacific herring--elemental analysis of otoliths and fatty acid profile analysis of select soft tissues. Limited samples from Sitka Sound, Prince William Sound, Kamishak Bay, Kodiak Island, and Togiak will be collected and analyzed to determine if stock differences are detectable by each procedure, and at what scale. Successful results from this pilot study should be followed up with future evaluations of the temporal and structural (i.e., sex, age, maturity) stability of these biomarkers.

Chief Scientist's Recommendation

The goal of this project, to explore potential geographic composition of spawning aggregations, addresses an important question for management of herring in the oil spill area. The project is on track as reviewed in FY 01. Collections of herring in the fall should be made to obtain additional material for stock identification using the experimental techniques of this project. Investigators are encouraged to compile and use environmental data from the areas where the herring collections are being made in order to better interpret the results of the elemental analysis of otoliths. Investigators are also encouraged to at least double the amount of otoliths and heart tissue necessary to meet project-specified sampling objectives in order to archive for possible future analysis. A decision on additional funds to analyze Fall 2001 samples was deferred pending review of preliminary results from analysis of Spring 2001 samples. Analysis is currently underway and results are not yet available. Fund contingent on favorable review of Spring 2001 results (expected February 2002).

Executive Director's Recommendation

Fund balance of request contingent on (a) favorable review of preliminary results from analysis of Spring 2001 samples (expected February 2002) and (b) submittal of overdue report (99347). These additional funds are for analysis of Fall 2001 samples. Funding of $52,900 for analysis of Spring 2001 samples and collection of Fall 2001 samples was approved in August. The ability to determine the stock of origin for herring sampled during field investigations will allow increased understanding of the distribution and mixing of northwest Gulf of Alaska herring stocks and assist in the identification of important habitats and rearing areas for individual populations.

## SPREADSHEET A -- EXECUTIVE DIRECTOR'S RECOMMENDATION: DEFERRED PROJECTS / FY 02 WORK PLAN

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| 02543 | Evaluation of Oil Remaining in the Intertidal from the *Exxon Valdez* Oil Spill | J. Short/NOAA | NOAA | Cont'd 2nd yr. 2 yr. project | $113.1 | $250.0 | **$0.0** | $0.0 | $113.1 |

Project Abstract

This project will assess the amount of oil remaining from the oil spill on shorelines within Prince William Sound in FY 01. A stratified random sample of shoreline will be intensively sampled for surface and subsurface oil to estimate length of oiled shoreline, area and volume of oiled sediment, and volume of oil. Approximately 8 km will be sampled by digging about 8,000 pits to discover and quantify subsurface oil. In FY 02, Phase III of this project will be devoted to data and chemical analysis, preparation of a final report, and journal publications. No fieldwork is proposed for FY 02.

Chief Scientist's Recommendation

The public and the Trustee Council want to know as accurately as can be estimated the amount of oil that remains in Prince William Sound. This continuing project will provide the answer in as rigorous a manner as possible. Fund. Follow-up work on questions related to remaining oil will be conducted under Project 02585.

Executive Director's Recommendation

Funds for this project were approved in August ($113,100 for data and chemical analysis, final report preparation, and journal publications) contingent on submittal of overdue report (00195) and manuscript (00598). A decision on possible additional funding for follow-up work was deferred, pending review of the preliminary results of the lingering oil survey underway in Summer 2001. That follow-up work is now being considered under Project 02585; see Project 02585 for more information. The survey is assessing the surface area and volume of shoreline in Prince William Sound still contaminated with *Exxon Valdez* oil.

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| 02585 | Lingering Oil: Bioavailability and Effects to Prey and Predators | J. Rice, J. Short/NOAA; J. Bodkin, B. Ballachey/USGS; D. Esler/Simon Fraser Univ. | NOAA | New 1st yr. 2 yr. project | $0.0 | $0.0 | **$296.4** | $30.0 | $326.4 |

Project Abstract

About 20 acres of contaminated beach were found in 2001 surveys of western Prince William Sound conducted under Project 01543. Sea otters and harlequin ducks have not recovered, raising concerns that continued exposure may be affecting their survival. Biochemical assays and mortality patterns are consistent with continuing oil exposures, but linkages between oil persistence studies and impact studies have not been attempted to date. This project will attempt to identify a greater degree of linkage between oil persistence, exposure, and effects by choosing a common set of sites at which to assess oil persistence and biological effects on sea otters and harlequin ducks. The emphasis will be on bioavailability and impact to sea otters and harlequin ducks, but some effort will be expended on bioavailability and exposure of prey species living in oil patches. The National Ocean and Atmospheric Administration's Auke Bay Lab will lead the studies of oil bioavailability and impacts to prey species. The US Geological Survey/US Department of Interior will lead studies directly on sea otters and harlequin ducks.

Chief Scientist's Recommendation

Following a workshop held in early October, where results from Project 01543/Evaluation of Oil Remaining in the Intertidal were presented and information gaps were identified, this project was developed to attempt to identify a greater degree of linkage between oil persistence, exposure, and effects. The project integrates studies of sea otters and harlequin ducks with continued assessment of oil persistence. The aims of the expanded project are to determine if the signs of continued oil exposure in these species are linked to the oil remaining in the intertidal sediments. Fund.

Executive Director's Recommendation

Fund. This project, which integrates studies of sea otters and harlequin ducks with continued assessment of oil persistence, is the product of a workshop convened by the Chief Scientist in October 2001 to review results from Project 01543/Evaluation of Oil Remaining in the Intertidal and to identify information gaps. The project's objective is to determine if the signs of continued oil exposure in sea otters and harlequin ducks are linked to the oil remaining in the intertidal sediments.

## SPREADSHEET A -- EXECUTIVE DIRECTOR'S RECOMMENDATION: DEFERRED PROJECTS / FY 02 WORK PLAN

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| **Spill Recovery Monitoring** | | | | | | $288.9 | **$94.8** | $35.3 | $130.1 |
| 02159 | Surveys to Monitor Marine Bird Abundance in Prince William Sound During Winter and Summer 2002 | D. Irons/USFWS | DOI | Cont'd 9th yr. | $0.0 | $194.1 | **$0.0** | $0.0 | $0.0 |

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 2002. Seven previous surveys have monitored population trends for 65 bird and 8 marine mammal species in the sound. Data collected in 2002 will be used to examine trends from summer 1989-2002 and winter 1990-2002. Data collected in 2000 indicate that bald eagles are increasing in winter and summer throughout the sound, harlequin ducks are increasing in the oiled area in winter, and black oystercatchers are increasing thoughout the sound in summer. Common loons, cormorants, and common murres are showing no trend in the oiled area; pigeon guillemots and marbled murrelets are declining in the oiled areas of the sound; and Kittlitz's murrelet is declining throughout the sound. Results of these surveys through 1998 have been published. [Note: This project also requested $25,000 for FY 04.]

Chief Scientist's Recommendation

This project continues to compare population trends in marine birds from oiled and unoiled portions of Prince William Sound. The last boat survey was conducted in 2000 (Project 00159). The patterns found document slow change or little change in many populations. Therefore, I recommend deferring this project several years to determine if earlier observed patterns of distribution persist 15 years or more after the spill. There appears to be little risk of losing valuable data by allowing more time to pass between these surveys. In addition, the project is relatively expensive, and it is not clear why this task should not be part of normal agency management. Do not fund.

Executive Director's Recommendation

Do not fund in FY 02 but consider funding in a future year, perhaps FY 03 or FY 05. Because this project's survey design has the statistical power to detect change only of a large magnitude, allowing more time to pass between surveys should not result in loss of valuable data. The Trustee Council has supported boat surveys of marine birds and mammals in Prince William Sound since the time of the spill. These surveys have been the primary means of monitoring the recovery of a suite of coastal birds and other wildlife. However, as the transition to GEM begins, the Chief Scientist advises that it is not essential that the surveys continue to be done every two years. In addition, the question of whether these are routine surveys that should be incorporated into the agency's normal management procedures has never been resolved.

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | RECOM-MENDATION | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| 02574-BAA | Assessment of Bivalve Recovery on Treated Mixed-Soft Beaches in Prince William Sound | D. Lees/Littoral Eco.& Environ. Services | NOAA | New 1st yr. 2 yr. project | $0.0 | $94.8 | **$94.8** | $35.3 | $130.1 |

Project Abstract

Studies from 1989 through 1997 suggest that bivalve assemblages on beaches in Prince William Sound with high-pressure hot-water washing remain severely damaged in terms of species composition and function. This project will assess the generality of this apparent injury to these assemblages. A finding that our conclusions are accurate will indicate that a considerable proportion of mixed-soft beaches in treated areas of the sound remains extremely disturbed and that these beaches are functionally impaired in terms of their ability to support foraging by damaged nearshore vertebrate predators such as sea otters and harlequin ducks. The study will also provide insight into the need for remediation of beaches to restore biodiversity and function on these assemblages.

Chief Scientist's Recommendation

This proposal would extend sampling initiated under the National Oceanic and Atmospheric Administration's HAZMAT studies of the intertidal zone bivalves carried out through 1997 and would allow sound-wide inferences to be made. Through 1997, oil spill clean-up effects were being manifested as a depression of bivalves that inhabit the fine sediments washed off the beaches during the cleanup operations. The proposer has submitted a revised proposal that addresses earlier concerns about the treatment history of beaches to be studied and the eventual publication of the results of this work. Fund revised proposal.

Executive Director's Recommendation

Fund. The proposer has submitted a revised Detailed Project Description that addresses the Chief Scientist's concerns (further development of shoreline treatment history and preparation of results for peer reviewed literature). This project will extend sampling initiated under the National Oceanic and Atmospheric Administration's HAZMAT program to document continuing effects of shoreline cleanup on populations of important bivalves, thus allowing the results to be generalized over a larger geographic range. This will be a worthwhile endeavor.

| **Ecosystem Recovery & Function** | | | | | | $35.9 | **$2.1** | $0.0 | $2.1 |
|---|---|---|---|---|---|---|---|---|---|
| 02320 | Sound Ecosystem Assessment (SEA): Printing the Final Report | W. Hauser/ADFG | ADFG | Cont'd 8th yr. 8 yr. project | $0.0 | $6.2 | **$2.1** | $0.0 | $2.1 |

Project Abstract

This project will print, bind and distribute the Sound Ecosystem Assessment (SEA) final report. The integrated final report is a required document expected to exceed 1,000 pages (some with color). Funding for copying, binding and mailing the final report was provided in FY 00, but completion has been delayed and the encumbered funds cannot be spent after June 30, 2001. The FY 00 unused funds will lapse.

Chief Scientist's Recommendation

Producing the SEA final report is essential, and this proposal seeks only to reauthorize funding that has expired. Fund.

Executive Director's Recommendation

Fund. Due to delays in completion of the SEA final report, funds provided to the Alaska Department of Fish and Game in FY 00 (Project 00320) for printing the final report have lapsed. This project simply "re-approves" those funds, but at a reduced level due to a reduction in the number of pages and a decision to post the final report on the Web rather than print the number of copies originally planned.

## SPREADSHEET A -- EXECUTIVE DIRECTOR'S RECOMMENDATION: DEFERRED PROJECTS / FY 02 WORK PLAN

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| 02659-BAA | Preparation and Publication of Results from SEA and NVP Avian Predation Studies | M. Bishop/PWSSC | NOAA | New<br>1st yr.<br>1 yr. project | $0.0 | $29.7 | **$0.0** | $0.0 | $0.0 |

Project Abstract

This project will prepare (a) two manuscripts based on the work from the Avian Predation on Herring Spawn study (Project /320) and (b) one manuscript based on the work from the Avian Predation on Blue Mussels study (Project /025). The first two manuscripts will provide information on avain composition, timing, distribution, and foraging patterns in herring spawn areas. The third manuscript will examine the relationship between abundance of seven bird species commonly found in intertidal areas and blue mussel density, other intertidal invertebrates, and intertidal habitat variables. The three manuscripts will be submitted to peer reviewed journals for publication. One publication on avian consumption of herring spawn is currently in press in *Fisheries Oceanography*.

Chief Scientist's Recommendation

This proposal would fund an additional three manuscripts based on work in the SEA (Sound Ecosystem Assessment, Project /320) and NVP (Nearshore Vertebrate Predators, Project /025) projects. The principal investigator has a good publication record and would likely produce the manuscripts. However, this work is a lower priority than other work plan projects. Do not fund.

Executive Director's Recommendation

Do not fund. This project was deferred pending submittal of a revised Detailed Project Description (DPD) that clarifies what previously unpublished material would be the subject of the three manuscripts proposed. A revised DPD has been submitted and budget questions have been resolved. However, this project is a low priority for funding.

### Spill General Restoration

| | | | | |
|---|---|---|---|---|
| 02514 | Lower Cook Inlet Waste Management Plan Implementation: Phase 1 | ADEC | Cont'd | |

Project Abstract

This project will promote recovery of injured resources and protect and enhance environmental quality in the lower Cook Inlet communities of Nanwalek, Port Graham, and Seldovia. The plan itself was prepared by Montgomery Watson using EVOS funds (Project 99514). The current request is for operating funds for Phase I only, which will include development of a detailed project schedule and cost estimates and memoranda of agreement with each community. Phase II, which will provide capital funds for equipment purchases, facility construction, and training, will be presented to the Trustee Council following the completion of Phase I.

Chief Scientist's Recommendation

Proposal not yet available for review.

Executive Director's Recommendation

A Detailed Project Description and budget are currently being prepared (expected 11/28/01). A more detailed recommendation will be developed at that time. [NOTE: This project will be funded outside of the regular FY 02 work plan of research, monitoring, and general restoration projects.]

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| **GEM Transition: Strategies to Improve Monitoring** | | | | | | $50.0 | **-$10.4** | $0.0 | $50.0 |
| 02556 | Mapping Marine Habitats: The First Step in a Spatially Nested Monitoring Program | C. Schoch/Kachemak Bay NERR | ADFG | New 1st yr. 1 yr. project | $0.0 | $50.0 | **$50.0** | $0.0 | $50.0 |

Project Abstract

Groups, individuals, and programs as diverse as natural resource agencies, local governments, researchers, conservation advocates in Cook Inlet and Kachemak Bay, and GEM can benefit from a comprehensive, high resolution database of shoreline and nearshore habitats, and from information on the physical changes seen through time. At present, no such detailed database or monitoring program exists within the Gulf of Alaska. This project will use a method adopted along the US west coast to gather such habitat information in a cost-effective yet detailed manner. The method relies on a nested hierarchical nearshore classification based on the physics of the environment to select replicate shore sites for monitoring algal and invertebrate diversity.

Chief Scientist's Recommendation

The GIS database of physical habitat features for intertidal and subtidal lands in Kachemak Bay could be a valuable baseline, and learning how to measure nearshore habitats in Kachemak Bay could provide a good starting point for intertidal monitoring for GEM. However, this project is premature considering the current status of GEM development. A workshop to develop options for long-term monitoring of the nearshore/intertidal under GEM is scheduled for January 2002 (Project 02395), and the proposer of this project will participate in that workshop. Defer decision of whether or not to fund this project until after the workshop.

Executive Director's Recommendation

Continue to defer decision on funding this project until the nearshore/intertidal workshop funded under Project 02395 has been held (scheduled for January 2002). The workshop is designed to develop options for long-term monitoring of the nearshore/intertidal under GEM. This project would build a spatially comprehensive database of the geomorphology and physical attributes of subtidal and intertidal habitats in Kachemak Bay and quantify the physical attributes that force spatial variation in diversity of fish, invertebrate, and algal populations.

## SPREADSHEET A -- EXECUTIVE DIRECTOR'S RECOMMENDATION: DEFERRED PROJECTS / FY 02 WORK PLAN

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| 02674-BAA | Assessing Pigeon Guillemot Restoration Techniques | J. French/Pegasus Enterprises, G. Divoky/UAF | NOAA | New 1st yr. 2 yr. project | $60.4 | $0.0 | **-$60.4** | $0.0 | $0.0 |

Project Abstract

This project will monitor pigeon guillemot restoration projects initiated between 1998-2000. Censuses of Resurrection Bay to determine survivorship and breeding behavior of birds fledged from the Alaska SeaLife Center will be conducted and the occupancy and success of artificial nest sites erected at the Alaska SeaLife Center, Hat Island, North Beach, and Jackpot Island will be monitored. The characteristics of these sites, the nest boxes, and reproductive behaviors observed in the avian habitat at the Alaska SeaLife Center will be assessed to delimit the efficacy of nest boxes as a restoration or monitoring tool.

Chief Scientist's Recommendation

This project was originally designed to determine whether fledging of guillemots at the Alaska SeaLife Center and provision of artificial nest sites might lead to establishment of an enhanced pigeon guillemot population in Resurrection Bay. The Trustee Council funded the project in August 2001, but since that time the two principal investigators have not been able to agree on project objectives. Each investigator submitted a revised proposal. One revised proposal does not have a qualified bird biologist named. The other revised proposal raises technical questions, specifically whether there are enough returning guillemots to test the hypothesis in the proposal. These proposals as revised are lower priority. Do not fund.

Executive Director's Recommendation

Rescind funding approval. Shortly after the Trustee Council approved this project in August, the proposers informed us they no longer agreed on the project's objectives. Two revised proposals were submitted (one by each proposer, each with its own objectives) and peer reviewed. The reviewers raised technical concerns about each proposal and also noted concerns about project implementation in light of personnel issues. Overall, and following discussions with the Chief Scientist, I am no longer confident that the project will be successful. In view of this, I believe that there are now better uses for these funds and I recommend the project be canceled. [NOTE: The Trustee Council approved funds for this project in August. However, in light of the issues raised by the proposers within days of Council approval, NOAA has not entered into a contract with the proposers and no funds have gone to the proposers.]

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| **GEM Transition: Tools to Improve Monitoring** | | | | | | $208.4 | **$120.6** | $280.0 | $400.6 |
| 02584 | Evaluation of Airborne Remote Sensing Tools for GEM Monitoring | E. Brown/UAF, J. Churnside/NOAA | ADFG | New 1st yr. 3 yr. project | $0.0 | $75.0 | | $280.0 | $280.0 |

Project Abstract

This project will evaluate airborne remote sensing tools for GEM monitoring, including a biological/ecological interpretation of the data collected. The instrument package consists of (a) a pulsed LIDAR (Light Detection and Ranging) to map subsurface biological features day to a maximum of 50 m, (b) an infrared radiometer to map SST (sea surface temperature) day (similar to AVHRR, Advanced Very High Resolution Radiometer), (c) two three-chip digital video systems to map ocean color (chlorophyll), birds, mammals, surface fish schools, and ocean frontal structure, and (d) an infrared digital video to map birds and mammals at night. The project will use shipboard and buoy data for validation and interpretation of remote sensed data. [Note: The FY 04 cost (year 3 of the project) has not been provided.]

Chief Scientist's Recommendation

REVISED PROPOSAL NOT YET REVIEWED (EXPECT 11/28/01)

The development of monitoring tools using LIDAR (Light Detection and Ranging) or other remote sensing techniques could be very valuable for GEM. The proposal is very ambitious and broad-ranging, and it seems unlikely that all project objectives can be achieved. Development work for remote sensing techniques is frequently difficult and expensive. A more limited set of objectives focused on proof-of-concept might be appropriate. Defer pending review of a revised proposal that addresses proof-of-concept only, assessment of support from other agencies, and delivery of past due reports by the principal investigator (Brown).

Executive Director's Recommendation

WILL NEED TO REVISE ONCE PEER REVIEW OF REVISED PROPOSAL COMPLETE.

Defer decision on funding this project to December, pending review of a revised Detailed Project Description and budget that (a) reduce the project's focus to proof-of-concept (roughly $75,000) and (b) include more information on financial support from other entities. If funded, funding will be contingent on (a) receipt of a description of the deployment procedure intended to insure against loss of data and (b) submittal of overdue report (Project 99375). This project would explore airborne remote sensing instrumentation as a monitoring tool for GEM. The *FY 02 Invitation* invited proposals to develop cost-effective data acquisition technologies that could be useful to GEM.

## SPREADSHEET A -- EXECUTIVE DIRECTOR'S RECOMMENDATION: DEFERRED PROJECTS / FY 02 WORK PLAN

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| 02624-BAA | A CPR-Based Plankton Survey Using Ships of Opportunity to Monitor the Gulf of Alaska | S. Batten/SAHFOS, D. Welch/DFOC | NOAA | New<br>1st yr.<br>1 yr. project | $0.0 | $133.4 | **$120.6** | $0.0 | $120.6 |

Project Abstract

This project presents the rationale for developing a plankton monitoring program for the Gulf of Alaska using ships of opportunity. Plankton are a critical link in the marine food chain whose dynamics are poorly understood, but respond rapidly and unambiguously to climate change and form the link between changes in the atmosphere and valuable upper trophic level populations, such as salmon, herring, shrimp, and groundfish. The proposal reviews the evidence that many of the most valuable marine resources in the Gulf of Alaska are strongly influenced by changes in ocean climate. Ships of opportunity are a cost effective platform for large scale monitoring and this project will build on recent experience gained with CPR (continuous plankton recorders) in the North Pacific to prepare for GEM.

Chief Scientist's Recommendation

This project is instrumental in establishing a long-term low cost ships-of-opportunity approach to long-term monitoring of biological and physical phenomena in the Gulf of Alaska. The large tanker vessels to be used in this project are not hindered by the weather, so continuous sampling is expected. CPR (continuous plankton recorders) has broad support from the scientific community, since this type of project can also be used to support bird and mammal data at low additional cost. Proof of concepts of acquiring physical and biological data from ships of opportunity will be very useful to planning GEM. Should concepts be proven, some level of long-term support should be considered. Fund.

Executive Director's Recommendation

Fund. This project will fund continuation of a continuous plankton recorder (CPR) on an oil tanker traveling from Valdez to Long Beach and on a second vessel along a Vancouver, B.C. to Kamchatka monitoring line. The Valdez to Long Beach recorder was funded in FY 00 and FY 01 by the North Pacific Marine Research fund. Vessels of opportunity such as this are a cost-effective method that may be useful to GEM, and proposals to place oceanographic instrumentation packages on ships of opportunity were specifically invited in the *FY 02 Invitation*.

| **GEM Transition: Synthesis & Retrospective Analysis** | | | | | | $273.2 | **$220.4** | $0.0 | $220.4 |
|---|---|---|---|---|---|---|---|---|---|
| 02578 | The Marine Macrofauna of Prince William Sound: An Annotated List | N. Foster, H. Feder | NOAA | New<br>1st yr.<br>1 yr. project | $0.0 | $35.0 | **$0.0** | $0.0 | $0.0 |

Project Abstract

Data sets that present basic taxonomic and biogeographic information at the species level for 1,645 animal species from Prince William Sound have been compiled as part of research on potential introductions of nonindigenous species. This project will make this important information available to a wider group of users, including EVOS stakeholders.

Chief Scientist's Recommendation

This is a worthwhile project, but not an essential piece of work. In view of the other projects being funded, I consider this project lower priority and recommend that it not be funded at this time.

Executive Director's Recommendation

Do not fund. This project was deferred pending availability of funds, and is a low priority for funding. This project would produce a publication on the marine macrofauna of Prince William Sound, using data compiled through other research on non-indigenous species in the sound.

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | RECOM-MENDATION | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| 02600 | Synthesis of the Ecological Findings from the EVOS Damage Assessment and Restoration Programs, 1989-2001 | R. Spies/EVOS Chief Scientist, et al | ADNR | New 1st yr. 2 yr. project | $0.0 | $151.6 | **$133.8** | | $133.8 |

Project Abstract

This project will synthesize the significant results from 12 years of post-spill study in the EVOS damage assessment and restoration programs as they relate to anthropogenic and natural forcing factors influencing the northern Gulf of Alaska. The results of the synthesis will be incorporated into a series of interrelated manuscripts that will either be submitted to a journal for publication as a whole volume, or to a publisher as a book. This effort will be one of the major products of the EVOS restoration program and help set the foundation for GEM.

Chief Scientist's Recommendation

Proposal will not be reviewed by Chief Scientist.

Executive Director's Recommendation

Fund contingent on submittal and approval of a revised Detailed Project Description and budget that spread the project over three years (FY 02-04) rather than the two years (FY 02-03) originally proposed. This project was deferred pending a review of how the Chief Scientist's time will be allocated during FY 02 among his various endeavors on behalf of the Trustee Council (primarily restoration project peer review and invitation, GEM planning, and this synthesis proposal). Spreading the synthesis work over three years will ensure an appropriate allocation of his time to other EVOS activities in FY 02. This project will integrate what has been learned from more than a decade's worth of science following the oil spill. Such a synthesis will fulfill at least two purposes: (a) inform the public about the EVOS legacy in a scientifically rigorous yet readable volume and (b) provide a foundation for GEM.

## SPREADSHEET A -- EXECUTIVE DIRECTOR'S RECOMMENDATION: DEFERRED PROJECTS / FY 02 WORK PLAN

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| 02622 | Digital Maps from Existing Seasonal Environmental Sensitive Area Maps: Cook Inlet/ Kenai Peninsula | J. Whitney/NOAA | NOAA | New 1st yr. 1 yr. project | $0.0 | $36.6 | **$36.6** | $0.0 | $36.6 |

Project Abstract

A series of national standardized digital map products will be produced form the existing seasonal Environmental Sensitivity Index (ESI) maps for Cook Inlet/ Kenai Peninsula made by the National Oceanic and Atmospheric Administration (NOAA) in 1994. A four map seasonal series was originally developed for Cook Inlet by the NOAA Hazardous Materials Response and Assessment Division in the ArcInfo digital format with the output and distribution primarily being poster maps at a scale of 1:450,000. Since then, combined with greater demand for digital products, NOAA's digital ESI products have greatly expanded. This project will transform the existing Cook Inlet/Kenai Peninsula digital data into a four-tiered nationally standardized set of digital map products with the deliverable being 100 CDs. These will be the same products that were recently provided for Prince William Sound under Project 99368.

Chief Scientist's Recommendation

This project would transform the existing Cook Inlet/Kenai Peninsula digital data into a four-tiered nationally standardized set of digital map products with the deliverable being 100 CDs. A similar product was provided by the contractor for Prince William Sound under Project 99368/Prince William Sound Environmental Sensitivity Index (ESI) Maps. Fund lower priority.

Executive Director's Recommendation

Fund. Satisfactory answers to the reviewers' questions have been provided (the completed maps will be posted on the World Wide Web and other reviewers, e.g., U.S. Forest Service and the Oil Spill Recovery Institute, will be invited to participate in the map review process). This project will convert the existing Cook Inlet Environmental Sensitivity Index (ESI) seasonal summary maps to the 1998 national standardized format (Full GIS, Desktop Mapping, Free ESI Viewer, and PDF ESI Navigator) in an effort to make the maps more accessible.

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| 02636-BAA | Ecosystem Recovery Through a Partnership with the Spill-Impacted Communities | K. Adams, R. Mullins/Cordova | NOAA | New 1st yr. | $0.0 | $50.0 | **$50.0** | | $50.0 |

Project Abstract

The goal of securing and sustaining the recovery of the marine system is a first priority for the Trustee Council as well as for the spill-impacted region. Given the successes of the Council's Restoration Plan, that goal is within reach. The economies and the communities of the spill-impacted region are the natural partners for realizing the goal. In this regard, commercial fishing has the involvement, resources, and motivation--through long term financial positions and committed financial risks--to be one of the most effective partners. This project will develop a plan and demonstrate that a partnership can accomplish significantly more toward our common goal than is possible through the same investments expended independently.

Chief Scientist's Recommendation

Building a bridge between the scientific community, which is describing and attempting to predict the variation in biological production, and the fishing community, which is attempting to find a way to use this new information, is challenging. This project opens a door by bringing together modelers, who have produced a circulation model with some predictive capability for plankton distribution within Prince William Sound, with fishermen from the sound. It is not entirely clear how this bridge can be built, but the project should begin to find useful ways for scientists and fishers to communicate. The proposal is still very vague about what specifically is going to be done, and the modeling component is especially unclear. Several workshops and meetings, which should include invitations to a cross section of the fishing and fisheries management communities, would seem to be appropriate. Fund contingent on submission of a revised proposal with a clear work plan and concrete products.

Executive Director's Recommendation

Fund contingent on submittal and approval of a revised proposal (Detailed Project Description and budget) that clarifies the project's objectives and cost (at a cost not to exceed $50,000). In developing a revised proposal, the proposers should work closely with the commercial fishers on the Trustee Council's Public Advisory Group (T. Baker, D. Hull) and with Restoration Office staff. The focus of the project in FY 02 should be development of a fisheries management applications working group, to include area management biologists from the Alaska Department of Fish and Game, commercial fishers, Cordova District Fishermen United (CDFU), the Prince William Sound Aquaculture Corporation (PWSAC), the Native Village of Eyak, and others. The working group's effort in FY 02 should include a review of the SEA (Sound Ecosystem Assessment, Project /320) and APEX (Alaska Predator Ecosystem Experiment, Project /163) projects and other restoration projects. The EVOS program can benefit from the commercial fishing community's perspective on restoration results and interaction with fishers on how to incorporate the results into fisheries management practices. In addition, the project could form a foundation for working with Prince William Sound fishers as GEM develops.

## SPREADSHEET A -- EXECUTIVE DIRECTOR'S RECOMMENDATION: DEFERRED PROJECTS / FY 02 WORK PLAN

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| **GEM Transition: Long-Term Monitoring** | | | | | | $350.8 | **$233.8** | $0.0 | $250.5 |
| 02552-BAA | Exchange Between Prince William Sound and the Gulf of Alaska | S. Vaughan/PWSSC | NOAA | Cont'd 3rd yr. 3 yr. project | $0.0 | $102.5 | **$102.5** | $0.0 | $102.5 |

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 the 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 (Acoustic Doppler Current Profiler) mooring in Hinchinbrook Entrance to create time series of velocities spanning three years. The mooring will be equipped with a CTD (conductivity temperature versus depth) 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 meteorological and physical data collected under other research programs already in progress.

Chief Scientist's Recommendation

Fixed instrumentation in Hinchinbrook Entrance is key to understanding the circulation and productivity of Prince William Sound and the Alaska Coastal Current. A workshop was held in November 2001 to address potential oceanographic data needs of the GEM program. One of the goals of the workshop was to determine the potential future role that the mooring in Hinchinbrook Entrance, funded through this project, might play in better understanding long-term changes in regional oceanography and changes in biological productivity in Prince William Sound. The mooring was redeployed in late October 2001 in the current configuration. New configurations and instrumentation may increase the amount of data available from this mooring in the future. Fund contingent on an agreement on how data from the mooring will be made publicly available in a timely and complete manner.

Executive Director's Recommendation

Fund contingent on submittal and satisfactory review of a detailed explanation of how the principal investigator will make the data collected under this project publicly available and on what timeframe. The other technical issues raised by the reviewers were addressed at a modeling workshop convened by the Chief Scientist in November 2001. This project has continued data gathering and analysis from the Hinchinbrook Entrance buoy that was begun under SEA (Sound Ecosystem Assessment, Project /320). A buoy at Hinchinbrook Entrance is expected to be an important component of GEM.

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | RECOM-MENDATION | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| 02603 | Implementation of an Ocean Circulation Model: A Transition from SEA to GEM | J. Wang/UAF | ADFG | New 1st yr. 1 yr. project | $0.0 | $66.6 | **$80.1** | $0.0 | $80.1 |

Project Abstract

This project will establish a 3-D ocean circulation model in the Gulf of Alaska to lay down a foundation for GEM in order to couple this model to a hydrological model and a biological model. This model will cover the entire gulf, including Prince William Sound and Cook Inlet. The horizontal resolution of this model is 4'x2' minutes (about 3.7km at 60"N). This model will be forced by tides, the Alaska Current inflow/outflow, freshwater discharge, and wind stress derived from the National Center for Environmental Prediction.

Chief Scientist's Recommendation

A workshop was held in November 2001 to address potential oceanographic data needs of the GEM program. This project was considered at that workshop. The project would continue to develop and refine 3-d circulation models for Prince William Sound and the Gulf of Alaska. Maintaining a circulation model within the University of Alaska system, and supporting a group of modelers who are familiar with the important biological phenomenon in the Gulf of Alaska and have a record of working with biologists, is very important to the future of GEM. The model proposed for the Gulf of Alaska would complement other efforts underway and provide GEM access to an important capability for predicting biological phenomenon. Fund, including additional funds ($10,000) for working cooperatively with other oceanographers in Prince William Sound and the wider Gulf of Alaska.

Executive Director's Recommendation

Fund contingent on submittal and approval of a revised Detailed Project Description and budget that include a new component related to cooperation with other oceanographers in Prince William Sound and the wider Gulf of Alaska and that reduce conference travel to the allowed amount. The earlier questions raised by the reviewers (related to other possible modeling options) were addressed at a modeling workshop convened by the Chief Scientist in November 2001. This project will expand the Prince William Sound circulation model--developed under SEA (Sound Ecosystem Assessment, Project /320) and continued under Project 01389/3-D Ocean State Simulations--to the Gulf of Alaska.

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | RECOM-MENDATION | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| 02634 | Integrating the Seabird Tissue Archival and Monitoring Project (STAMP) with GEM | D.Roseneau/USFWS, G.York/BRD, P.Becker/NIST | DOI | New 1st yr. 1 yr. project | $0.0 | $54.9 | **$0.0** | $0.0 | $0.0 |

Project Abstract

This project will lay the groundwork for integrating GEM with a 100-year-long sample collecting, banking, and monitoring effort, the Seabird Tissue Archival and Monitoring Project (STAMP). The project will summarize all existing information on persistent organic pollutants (POPs) and mercury in seabirds in the northern North Pacific and North Atlantic oceans, complete analytical work on murre egg samples collected in the Gulf of Alaska during the 1999-2001 STAMP program, and enter these and other recently obtained data and historical information into a comprehensive database that can be used to design long-term contaminant monitoring studies for GEM.

Chief Scientist's Recommendation

This is a very good proposal that could provide a long-term archive for tissues that could later be analyzed for a variety of contaminants and natural tracers. However, the project is premature in regard to GEM, as a specific program for contaminants in higher trophic level organisms has not been agreed to. It may be appropriate to revisit this concept after GEM is further developed. Do not fund.

Executive Director's Recommendation

Do not fund. This project was deferred pending availability of funds, and is a low priority. The proposer submitted a revised Detailed Project Description and budget addressing the Chief Scientist's concerns (base program design on an analysis of the spatial and temporal variability of contaminants in seabirds; delete objectives related to further contaminant analysis except for murre eggs at East Amatuli Island; secure additional funding sources). However, although expansion of the Seabird Tissue Archival and Monitoring Project (STAMP) may be useful for GEM, it is premature to initiate collaboration with STAMP at this time.

## SPREADSHEET A -- EXECUTIVE DIRECTOR'S RECOMMENDATION: DEFERRED PROJECTS / FY 02 WORK PLAN

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| 02667 | Effectiveness of Citizens' Environmental Monitoring Program | S. Mauger/Cook Inlet Keeper | ADEC | New 1st yr. 1 yr. project | $16.7 | $1.2 | **$1.2** | $0.0 | $17.9 |

**Project Abstract**

This project will analyze five years of past data from Cook Inlet Keeper's Citizens' Environmental Monitoring Program, the first consistent, credible, and coordinated community-based water quality monitoring program in Alaska. Keeper's stream ecologist will determine if sampling frequency, methods, parameters, and site selection are effective at meeting the monitoring objectives of detecting significant changes in water quality over time. The results will assist Cook Inlet Partners (Kenai Watershed Forum, Anchorage Waterways Council, Wasilla Soil and Water Conservation District) in refining their community monitoring efforts and may lead to future community-based monitoring programs.

**Chief Scientist's Recommendation**

This project will analyze the power of Cook Inlet Keeper's Citizens' Environmental Monitoring Program to detect change in water quality parameters. The Keeper program is an effective model for community-based sampling and this proposal is a good preparation for community based monitoring within GEM. Fund revised proposal, which clarifies the statistical approach. Also fund deferred amount, which simply corrects a budget error at the time of the Trustee Council's August 2001 decision.

**Executive Director's Recommendation**

Fund additional $1,200, which simply corrects an error made at the time of the Trustee Council's August 2001 decision. This project will provide funding for Cook Inlet Keeper to analyze five years of data from their Citizens' Environmental Monitoring Program to determine if the monitoring protocols and sampling design are effective at detecting significant change in water quality over time. The project is good preparation for community based monitoring under GEM.

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| 02680 | Remote Delivery of Persistent Organic Contaminants in Alaska Fishes | S. Rice, J. Short, A. Moles/NOAA | NOAA | New 1st yr. 1 yr. project | $0.0 | $75.6 | **$0.0** | $0.0 | $0.0 |

**Project Abstract**

This project will determine the distribution of persistent organic contaminants in the flesh and ovaries of different year classes of chinook salmon from four major geographic areas of Alaska. A suite of contaminants, including pesticides, Polychlorinated biphenyls (PCBs), and chlorinated and unchlorinated hydrocarbons, with known implications for aquatic and human health, will be measured in two age classes of salmon. These will be salmon returning after only a year in saltwater and salmon returning after 3-5 years. This will give some measure of the extent of atmospheric distribution of industrial and agriculture pollutants over a range of rivers in Alaska.

**Chief Scientist's Recommendation**

This is a good effort by qualified investigators to characterize concentrations of POPs (persistent organic pollutants) in an important seafood product over a wide geographic area. There will be an interest by GEM in collecting data regarding the abundance and distribution of POPs in the Gulf of Alaska, but these measurements will likely be made in partnership with other funding agencies with a broader geographic mandate for contaminant assessment and the protection of public health. This project was deferred pending determination of availability of funding from other sources. No cost sharing has been put in place, so at this time funding by the Trustee Council is not recommended.

**Executive Director's Recommendation**

Do not fund. This project was deferred pending determination of availability of funding from other sources. No cost sharing has been put in place, so at this time funding by the Trustee Council is not recommended. This project would sample the flesh and ovaries of salmon returning to the Kenai and Copper rivers, as well as two sites outside of the spill area--the Yukon and Unuk rivers. The flesh is important to consumers; the ovaries are important to the survival and success of progeny of the stock. It is anticipated that GEM will have a contributing role in the ongoing monitoring and study of contaminants.

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | RECOM-MENDATION | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| 02681 | Placeholder: Nearshore/Intertidal Monitoring | To be determined | | New 1st yr. | $0.0 | $50.0 | **$50.0** | | $50.0 |

Project Abstract

Several proposals to conduct some form of nearshore/intertidal monitoring were submitted for FY 02. However, those proposals are premature pending development of a long-term monitoring scheme for the nearshore/intertidal area. A workshop to develop options for long-term monitoring will be held in FY 02 under Project 02395. This project simply reserves funds for possible nearshore/intertidal monitoring work later in FY 02, should the workshop recommend that such work be invited.

Chief Scientist's Recommendation

This project is simply a placeholder for potential nearshore/intertidal monitoring work in FY 02, depending on the results of the workshop to be held under Project 02395. Defer until after January 2001 workshop.

Executive Director's Recommendation

Continue to defer decision on funding this project until the nearshore/intertidal workshop recommended for funding under Project 02395 has been held (scheduled for January 2002) and recommendations for nearshore/intertidal monitoring under GEM have been developed. It is possible that the workshop will recommend a small amount of pilot or preliminary work to begin in FY 02. The $50,000 in this project has been set aside for that purpose.

| **Habitat Protection & Improvements** | | | | | | $141.0 | **$0.0** | $0.0 | $0.0 |
|---|---|---|---|---|---|---|---|---|---|
| 02621 | Kenai River Flats Conservation Easement and Public Education | M. Kuwada/ADFG | ADFG | New 1st yr. 1 yr. project | $0.0 | $141.0 | **$0.0** | $0.0 | $0.0 |

Project Abstract

This project will help protect approximately 600 acres of wetlands on the Kenai River Flats near the city of Kenai. The acquisition of a conservation easement for the property and construction of a boardwalk will protect sensitive coastal wetlands, high value waterfowl habitat, and two anadromous fish streams, and will provide new educational and recreational opportunities for the public. The conservation easement will be purchased by The Conservation Fund using already-approved funds from a North American Wetlands Conservation Act grant. The easement will specify that the property be preserved in a natural state and protected against incompatible development. A boardwalk and viewing platform will be constructed using EVOS funds to provide recreational birdwatching and educational opportunities. The boardwalk and viewing platform are essential for obtaining the City of Kenai's support for the conservation easement.

Chief Scientist's Recommendation

Project withdrawn by proposer.

Executive Director's Recommendation

Project withdrawn by proposer.

## SPREADSHEET A -- EXECUTIVE DIRECTOR'S RECOMMENDATION: DEFERRED PROJECTS / FY 02 WORK PLAN

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| **Data Management & Information Transfer** | | | | | | $16.1 | **$16.1** | $0.0 | $16.1 |
| 02668 | Developing an Interactive Water Quality and Habitat Database and Making it Accessible on the Web | J. Cooper/Cook Inlet Keeper | ADEC | New 1st yr. 1 yr. project | $0.0 | $16.1 | **$16.1** | $0.0 | $16.1 |

Project Abstract

The project partners have come together to form a database committee to create a consistent data management system where all citizens groups and agencies can equally share, report, and review their water quality and habitat data. The committee's objective is to make data more accessible and more useful to decision makers, stakeholders, resource managers, and the public. The committee will uplink a shared interactive database on the Internet where it can be viewed and queried with GIS watershed maps, photos, and graphs so that it is user-friendly, educational and meaningful. Access to this data will help facilitate a better understanding about threats to, and solutions for, water quality and habitat.

Chief Scientist's Recommendation

This project was deferred in order to resolve the issue of the whether it was duplicative of some part of the Cook Inlet Information Management and Monitoring System (CIIMMS) database (Project /391). Clarification has now been provided and there is no duplication of effort. The database proposed under this project will be accessible using the web browsing software developed by CIIMMS for the Cook Inlet Region and the two efforts are, in fact, compatible. Fund.

Executive Director's Recommendation

Fund. The issues raised by the reviewers in regard to the relationship between this proposed water quality database and CIIMMS (Cook Inlet Information Management and Monitoring System, Project /391), in which the Trustee Council has made a major financial investment, have been satisfactorily addressed. This project will provide funding for Cook Inlet Keeper to participate in creating a single unified database for water quality and habitat data collected by Keeper and other citizen-based monitoring groups in Cook Inlet. It has good cost sharing with other interested entities.

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | RECOM-MENDATION | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| **Community Involvement/Public Outreach/Other** | | | | | | $271.2 | **$372.2** | | $481.0 |
| 02052 | Community Involvement/Planning for GEM | P. Brown-Schwalenberg/CRRC | ADFG | Cont'd 8th yr. | $45.0 | $135.0 | **$135.0** | | $180.0 |

Project Abstract

In FY 02, this project will continue to actively involve residents of Tatitlek, Chenega Bay, Port Graham, Nanwalek, Cordova/Eyak, Seward/Qutekcak, Seldovia, Valdez, Kodiak Island Region/Ouzinkie, and the Alaska Peninsula Region/Chignik Lake in the restoration program through a network of local facilitators. In addition, the project will work to address the future of community involvement with regard to the Gulf Ecosystem Monitoring (GEM) program. In FY 02, the project will focus on three objectives: (a) designing a community based research and monitoring program, (b) identifying specific research and monitoring activities that fit within the GEM program, and (c) developing possible pilot projects for FY 03.

Chief Scientist's Recommendation

The community involvement project is a very valuable part of the restoration program. Community monitoring plans and Tribal Natural Resource Management Plans may have tangible linkages to GEM in the future. However, there are objectives for FY 02 that were also in the FY 01 proposal. There are also FY 00 objectives that have not been met. In addition, the project is delinquent on reports and has not produced a revised Detailed Project Description as requested. The lack of identifiable activity and products for this project precludes a recommendation for further funding. Do not fund.

Executive Director's Recommendation

Continue to defer this project. In general, the project seems to have lost some of its focus over the past six months, partially due to staff turnover. In addition, during review of the FY 02 proposal, the reviewers raised a number of questions and identified a number of issues that need further attention. Although the principal investigator has provided some additional information, a number of questions remain unanswered. Interim funds ($45,000) approved by the Trustee Council in August have not yet been authorized, as the strategy for completion of the Tribal Natural Resource Management Plans is still unclear and several reports are overdue (00052, 00610, 01131). The longer term objectives of the project also remain unclear. Although several discussions with the principal investigator about the future program have taken place, the requested revised proposal has not been submitted. In addition, the Community Involvement Coordinator position, which was vacated in August 2001, has not yet been advertised or filled. Community involvement and development of local stewardship capacity are essential components of GEM, and this project should continue in some form. However, I cannot recommend continuation in its current form. I recommend that we proceed by convening a working group--that broadens the perspective and expertise beyond the current project participants--to develop options for meaningful community involvement and stewardship development under GEM, with the goal of bringing a revised proposal to the Trustee Council in January 2002.

## SPREADSHEET A -- EXECUTIVE DIRECTOR'S RECOMMENDATION: DEFERRED PROJECTS / FY 02 WORK PLAN

| Proj.No. | Project Title | Proposer | Lead Agency | New or Cont'd | Funded FY 02 | Deferred to Dec. | **RECOM-MENDATION** | FY 03 Recom. | Total FY02-03 |
|---|---|---|---|---|---|---|---|---|---|
| 02630 | Planning for Long-Term Monitoring and Research Program | Restoration Office | ALL | Cont'd | $63.8 | $136.2 | **$237.2** | | $301.0 |

| Project Abstract | Chief Scientist's Recommendation | Executive Director's Recommendation |
|---|---|---|
| In March 1999, the Trustee Council earmarked an estimated $120 million of Restoration Reserve funds for a long-term monitoring and research program in the spill area and adjacent northern Gulf of Alaska. Development of what is now called the Gulf Ecosystem Monitoring and Research (GEM) program was initiated in FY 99 and will continue through FY 02. In FY 00, a draft GEM Science Program (April 2000) was developed and submitted to the National Research Council (NRC) for review. In FY 01, a draft Monitoring and Research Plan was prepared and submitted to the NRC for review. Planning will continue in FY 02. This project is accomplished through the combined efforts of the Restoration Office and Chief Scientist. | Proposal not reviewed, but Detailed Project Description and budget are being coordinated with Chief Scientist. | Fund additional request ($235,200) contingent on completion of a revised Detailed Project Description and budget. The Trustee Council approved interim funding for this project in August ($63,800). This project will continue the planning necessary to carry out the Trustee Council's decision to dedicate $120 million of Restoration Reserve funds in support of long-term monitoring and research in the spill area and adjacent northern Gulf of Alaska. Activities in FY 02 include development of the first GEM invitation and further development of the monitoring and research plan. |

# *Exxon Valdez* Oil Spill Trustee Council

441 W. 5th Ave., Suite 500 • Anchorage, Alaska 99501-2340 • 907/278-8012 • fax 907/276-7178

## Memorandum

TO: Agency Liaisons

FROM: Debbie Hennigh
Special Assistant

DATE: November 21, 2001

SUBJ: Surplus Furniture and Equipment

Per the Trustee Council Procedures, Equipment Surplus section, the Restoration Office is advertising the availability of surplus furniture and equipment to agencies for use on restoration projects funded by the Trustee Council.

The *Exxon Valdez* Oil Spill Restoration Office has a variety of items we are wanting to surplus. Please review the list below. The items are available at our new office location, 441 West Fifth Avenue, Suite 500.

| Description | Quantity | Condition | Notes |
|---|---|---|---|
| Conference Room chairs – executive style, low back | 10 | Fair | Swivel, on rollers, various fabric colors (gray, brown, blue, black), padded backs and seats, wooden arms |
| Folding tables | 5 | Good | 6 foot, dark laminated tops |
| Dry erase board | 1 | Good | 2 ½ ' x 3 ½ ' |
| HP Laser jet III | 1 | Salvage | 10 years old, timing is off so jams. Good for parts |
| Toner for laser jet III | 3 | good | |

If your agency is interested in any item on the list or has any questions, please contact me by Thursday, November 29, 2001.

# *Exxon Valdez* Oil Spill Trustee Council

441 W. 5th Ave, Suite 500 Anchorage, AK 99501-2340 907/278-8012 fax:907/276-7178

## FAX COVER SHEET

To: Agency Liaison/Restoration Work Force + Melanie Bosch ~~Total~~
Pages: 2

From: Debbie Hennigh Date: 11/22/01

please see mat B/tn Bill Hauser & Melanie Bosch recve this memo.

thank you & HAPPY THANKSGIVING

AGENCY LIAISON MEMBERS INCLUDE:

| | | |
|---|---|---|
| Dede Bohn | Bill Hauser | Jeep Rice |
| Tony DeGange | Ken Holbrook | Marianne See |
| Carol Fries | Bud Rice | Bob Spies |

HARD COPY TO FOLLOW No

Document Sent By: BH

**********
*** MULTI TRANSACTION REPORT ***
**********

TX/RX NO. 5329

INCOMPLETE TX/RX

| | | |
|---|---|---|
| TRANSACTION OK | [ 12] 2672464 | BILL HAUSER |
| | [ 15] 2698918 | CAROL FRIES |
| | [ 17] 2713992 | GIBBONS-HOLBROOK |
| | [ 20] 7863306 | TONY DEGANGE |
| | [ 21] 2572517 | B.RICE |
| | [ 22] 7863636 | D.BOHN |
| | [ 26] 2690961 | MARIANNE SEE |
| | [ 63] 19077896094 | JEEP RICE |

ERROR

# *Exxon Valdez* Oil Spill Trustee Council

441 W. 5th Ave., Suite 500 • Anchorage, Alaska 99501-2340 • 907/278-8012 • fax 907/276-7178


**MEMORANDUM**

TO: Chris Foley, ADEC

FROM: Sandra Schubert
Program Coordinator

RE: Projects 02667 and 02668: Cook Inlet Keeper

DATE: November 19, 2001

Here are the Quarterly Report Form and Final Report Procedures as we discussed on the phone last week. Feel free to call if you have questions once you have reviewed them.

Also, I wanted to mention two additional items that Marianne See may have alerted you to before she left:

(1) The amount of funding approved by the Trustee Council for Project 02667 did not include funds for ADEC's general administrative (GA) costs (which, per the Council's procedures, are 7% of contracts, or in this case $1,200). This was simply an oversight on our part, and the Council will approve the additional $1,200 at their December 11 meeting. The amount of the contract with Cook Inlet Keeper should therefore be the full $16,700.

(2) Cook Inlet Keeper submitted a second proposal: Project 02668, Developing an Interactive Water Quality and Habitat Database and Making it Accessible on the Web. It will be taken up by the Trustee Council at their December 11 meeting. If approved, these funds would also go to ADEC for a contract with Keeper. I have enclosed a copy of the proposal for your information, and will keep you posted as to the Council's action on it. Note that the budget is for the full project's cost, but only $15,000 is being requested from the Trustee Council (plus $1,100 for ADEC GA).

# *Exxon Valdez* Oil Spill Trustee Council

441 W. 5th Ave., Suite 500 • Anchorage, Alaska 99501-2340 • 907/278-8012 • fax 907/276-7178


**MEMORANDUM**

**To:** EVOS Staff

**From:** Molly McCammon
Executive Director

**Date:** November 7, 2001

**Re:** Emergency Exit Procedures

---

In case of an emergency in the Chamber of Commerce Building:

**EMERGENCY EXIT:** If there is an evacuation type emergency, use either stairwell. **DO NOT USE THE ELEVATOR.** If you use the back stairs, you will exit on to E Street.

**DESIGNATED MEETING PLACE:** The designated meeting place is Town Square by the waterfall. There are benches in this area that would be the place to gather. We will take a head count when everyone shows up.

**FIRE:** There are two pieces of fire extinguisher equipment in our office. A hose is in the hallway on the east wall between the men's and women's restrooms. A foam fire extinguisher is located on the east wall between the woman's restroom and the kitchen.

The portable extinguisher has instructions on the side.

**Step 1** Hold upright and pull ring pin out
**Step 2** Step back 10 ft; aim at base of fire
**Step 3** Squeeze lever. Sweep side to side

The extendable fire hose looks simple to use. Unhook the nozzle, extend the hose and if possible, have another person turn the water on by rotating the red handle to the left. Again, aim at the base of the fire and sweep from side to side.

If heavy smoke is an issue, drop to the floor and crawl to the stairwell and out of the building.

**EARTHQUAKE:** Get under your desk or stand in a sturdy doorway (not a partition doorway). If exiting the building becomes necessary, use the back stairwell, if possible, as the front stairwell leads to a glass wall in the lobby that could be a hazard.

**SEVERE STORM/TRAVELER'S ADVISORY:** If the situation warranted, the highest ranking officer may send staff home early.

**PRACTICE FIRE DRILL:** We should probably have a practice fire drill and you will be informed prior to the practice. You will hear a page via the speaker on your office phone.

**EMERGENCY EXIT BUDDIES:** To help ensure everyone gets out of the building we will each have exit buddies. Your office neighbor will be your exit buddy, for instance: Molly & Cherri, Sandra & Phil, Debbie & Brenda, Paula & Geoff.

**NOTIFYING OTHER BUILDING TENANTS:** Molly will grab her cell phone which will allow us to contact the building maintenance people and inform them of the emergency. They will be responsible for contacting the other building tenants.

# *Exxon Valdez* Oil Spill Trustee Council

441 W. 5th Ave., Suite 500 • Anchorage, Alaska 99501-2340 • 907/278-8012 • fax 907/276-7178


November 8, 2001

Tom Taylor
Procurement Specialist
Alaska Department of Fish and Game
Division of Administration
P.O. Box 25526
Juneau, AK 99811-5526

RE: Project 02535, EVOS Trustee Council Restoration Program Final Report

Dear Tom:

On August 6, 2001, the Trustee Council approved Project 02535, EVOS Trustee Council Restoration Program Final Report. The Council's intent is that the contractor for this project be Joe Hunt.

Sincerely,

Molly McCammon
Executive Director

Leading File

# *Exxon Valdez* Oil Spill Trustee Council

441 W. 5th Ave., Suite 500 • Anchorage, Alaska 99501-2340 • 907/278-8012 • fax 907/276-7178

**MEMORANDUM**

**TO:** Trustee Council

**THROUGH:** Molly McCammon
Executive Director

**FROM:** Debbie Hennigh
Special Assistant

**DATE:** November 5, 2001

**RE:** September Investment Reports

Included are the Department of Revenue's reports as of September 30, 2001:

- Statement of Invested Assets,
- Statement of Investment Income and Changes in Invested Assets,
- Asset Allocation Policy with Actual Investment Holdings, and
- Performance Measurement.

Also attached are the following graphs for activity ending September 30, 2001:

- Investment Fund Assets, and
- Earnings (Loss).

Also included are graphs of each investment pool's activity for October 2000 through September 2001, the entire investment fund/benchmark, and each individual pool/benchmark for September 2001.

Attachments

cc: Investment Working Group

STATE OF ALASKA
DEPARTMENT OF REVENUE
TREASURY DIVISION

**Exxon Valdez Oil Spill Investment Fund**

STATEMENT OF INVESTED ASSETS

**September 30, 2001**

| **Investments (at fair value)** | | **2001** |
|---|---|---|
| **Cash and cash equivalents** | | |
| Short-term Fixed Income Pool | $ | 254,428 |
| **Marketable debt and equity securities** | | |
| Broad Market Fixed Income Pool | | 72,062,627 |
| Non-retirement Domestic Equity Pool | | 72,290,582 |
| SOA International Equity Pool | | 29,844,062 |
| **Total invested assets** | $ | 174,451,698 |

STATE OF ALASKA
DEPARTMENT OF REVENUE
TREASURY DIVISION

**Exxon Valdez Oil Spill Investment Fund**

STATEMENT OF INVESTMENT INCOME
AND CHANGES IN INVESTED ASSETS

**For the period ended September 30, 2001**

| | CURRENT MONTH | YEAR TO DATE |
|---|---|---|
| **Investment Income** | | |
| **Cash and cash equivalents** | | |
| Short-term Fixed Income Pool | $ 232,282 | $ 232,870 |
| **Marketable debt and equity securities** | | |
| Non-pooled investments | | |
| Broad Market Fixed Income Pool | 619,128 | 2,644,928 |
| Non-retirement Domestic Equity Pool | (3,345,498) | (7,003,288) |
| SOA International Equity Pool | (1,971,670) | (2,987,182) |
| Commission Recapture | 121 | 1,487 |
| Total income from marketable debt and equity securities | (4,697,919) | (7,344,056) |
| **Total investment income (loss)** | (4,465,637) | (7,111,186) |
| **Total invested assets, beginning of period** | 128,613,276 | 131,258,825 |
| **Net contributions (withdrawals)** | 50,304,059 | 50,304,059 |
| **Total invested assets, end of period** | $ 174,451,698 | $ 174,451,698 |

STATE OF ALASKA
DEPARTMENT OF REVENUE - TREASURY DIVISION

## Exxon Valdez Oil Spill Investment Fund
## Asset Allocation Policy (effective 4/24/00) with Actual Investment Holdings as of September 30, 2001

| | Asset Allocation | | Fair value | Current Allocation | Variance |
|---|---|---|---|---|---|
| | Policy | Range | | | |
| **Cash and cash equivalents** | | | | | |
| Short-term Fixed Income Pool | **0.00%** | | **22,145** | 0.01% | -0.01% |
| **Total cash and cash equivalents** | **0.00%** | | **22,145** | **0.01%** | **-0.01%** |
| **Marketable debt and equity securities** | | | | | |
| Broad Market Fixed Income Pool | **42.00%** | **35% - 49%** | **72,062,627** | 41.36% | 0.64% |
| Non-retirement Domestic Equity Pool | **41.00%** | **34% - 48%** | **72,290,582** | 41.49% | **-0.49%** |
| SOA International Equity Pool | **17.00%** | **12% - 22%** | **29,844,062** | 17.13% | -0.13% |
| **Total marketable debt securities** | **100.00%** | | **174,197,270** | **99.99%** | **0.01%** |
| **Total holdings** | **100.00%** | | **174,219,416** | **100.00%** | **0.00%** |
| Short-term Fixed Income Pool Interest Receivable | | | **232,282** | | |
| **Total Invested Assets at Fair Value** | | | **174,451,698** | | |

Prepared by Treasury Division
Printed: 10/10/01 at 11:31 AM
Filename: EVOS_0901 policy

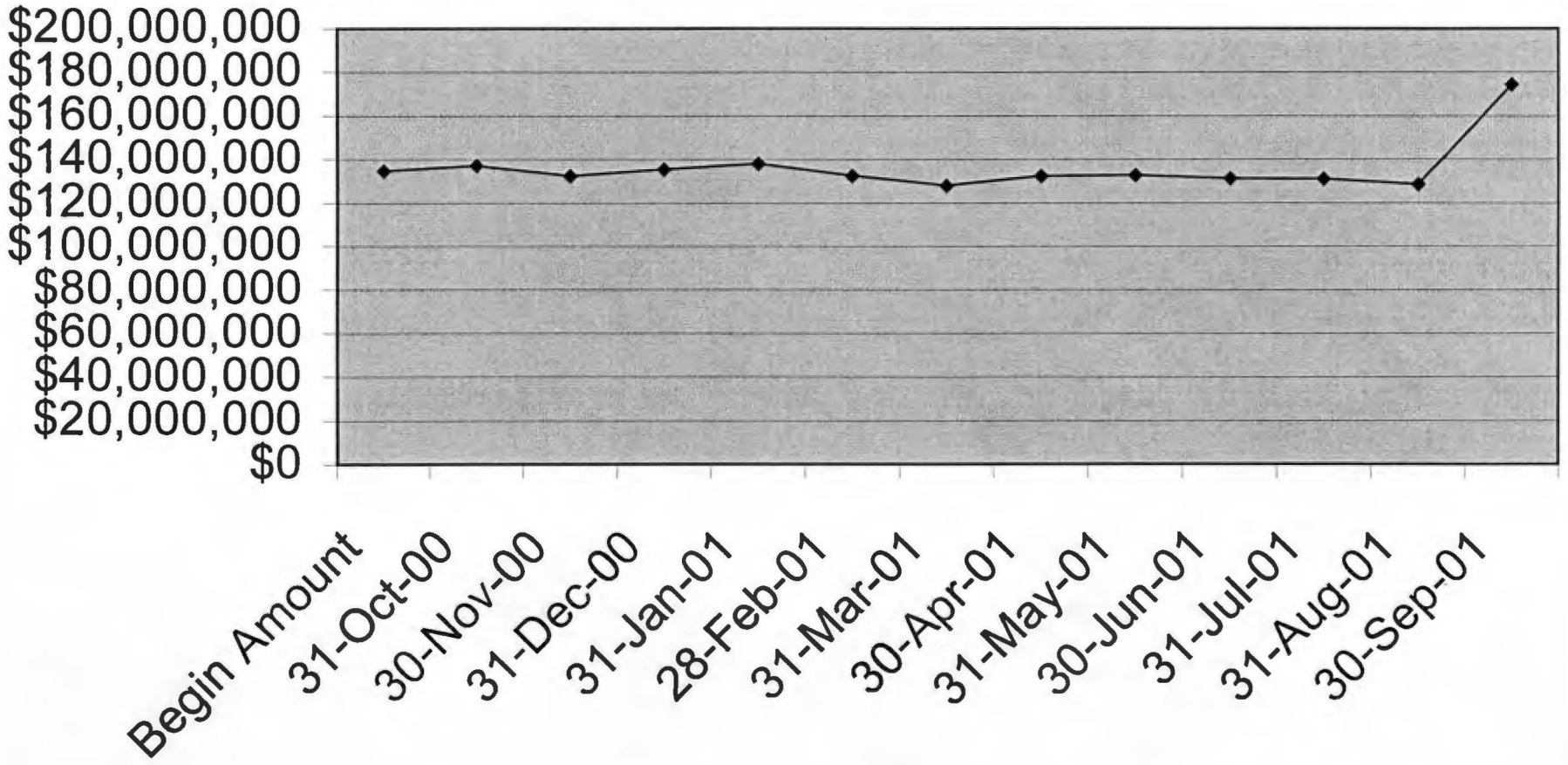
**Exxon Valdez Oil Spill Investment Fund**
Period Ending September 30, 2001

| | Mkt Value ($M) | Monthly Return | 3 Mo. Return | YTD | Fiscal YTD | Inception to Date* |
|---|---|---|---|---|---|---|
| **AY02 EVOS Investment Fund** | **174,452** | **-2.41** | **-4.37** | **-7.28** | **-4.37** | **-8.47** |
| ***EVOS Investment Fund Index*** | | ***-4.85*** | ***-7.15*** | ***-10.33*** | ***-7.15*** | *-11.88* |
| Short-term Fixed Income Pool | 254 | 0.47 | 1.23 | 4.12 | 1.23 | 5.41 |
| *91 day T-Bill* | | *0.43* | *1.08* | *3.76* | *1.08* | *4.90* |
| Broad Market Fixed Income Pool | 72,063 | 0.94 | 4.26 | 8.07 | 4.26 | 12.29 |
| *Lehman Brothers Aggregate Index* | | *1.16* | *4.62* | *8.38* | *4.62* | *12.21* |
| Non-Retirement Domestic Equity Pool | 72,291 | -6.72 | -13.65 | -18.98 | -13.65 | -25.16 |
| *Russell 3000 Index* | | *-8.82* | *-15.62* | *-20.78* | *-15.62* | *-26.85* |
| SOA International Equity Pool | 29,844 | -9.33 | -13.83 | -25.02 | -13.83 | -23.80 |
| *Morgan Stanley Capital Intl. (EAFE)* | | *-10.13* | *-14.00* | *-26.56* | *-14.00* | *-26.81* |

Source: State Street Bank, Insight.

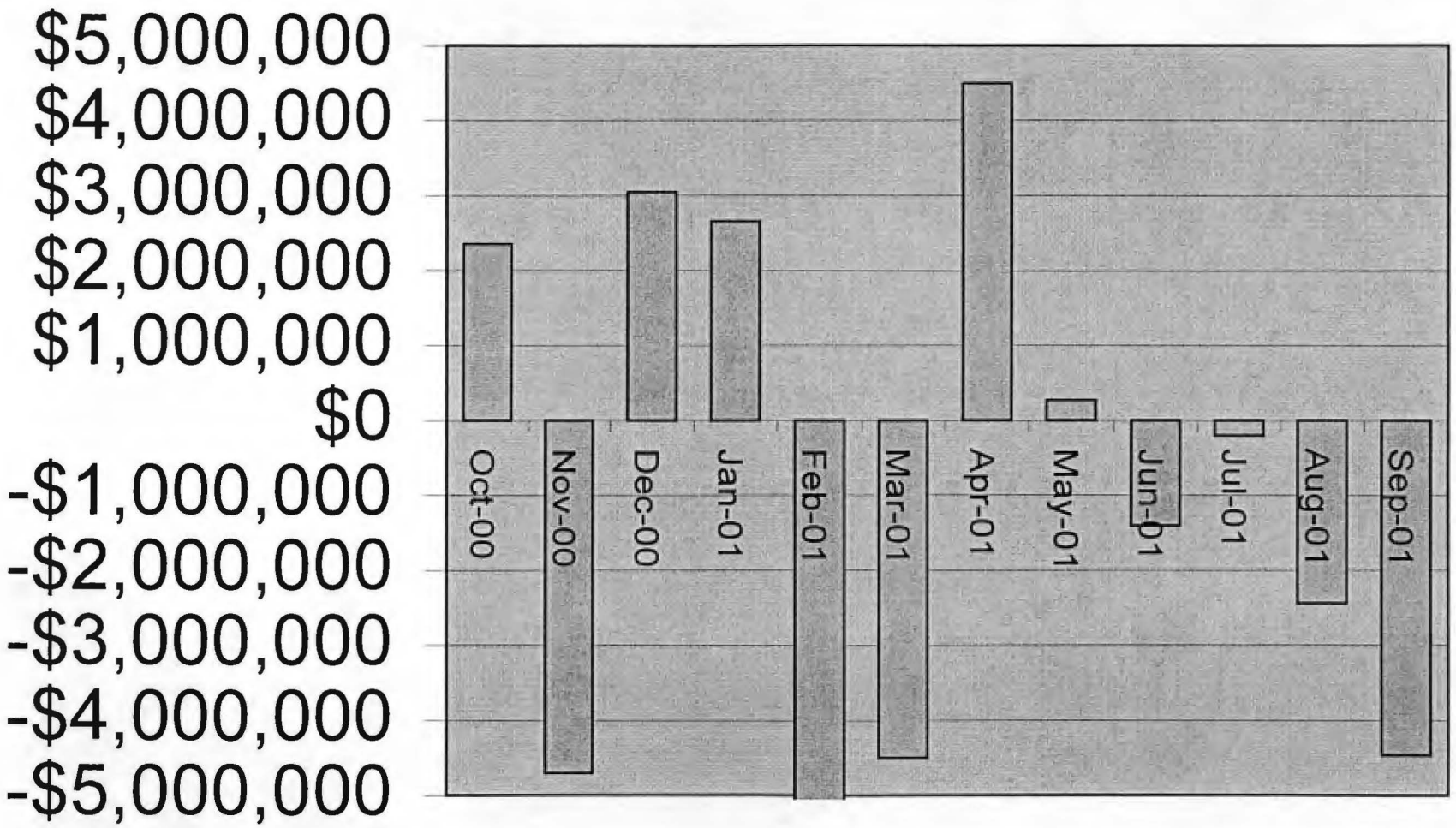
* Since October 31, 2000

# *Exxon Valdez* Oil Spill Trustee Council
# Investment Fund Assets




Note: September's amount reflects addition of Exxon's last payment of $66,113,500

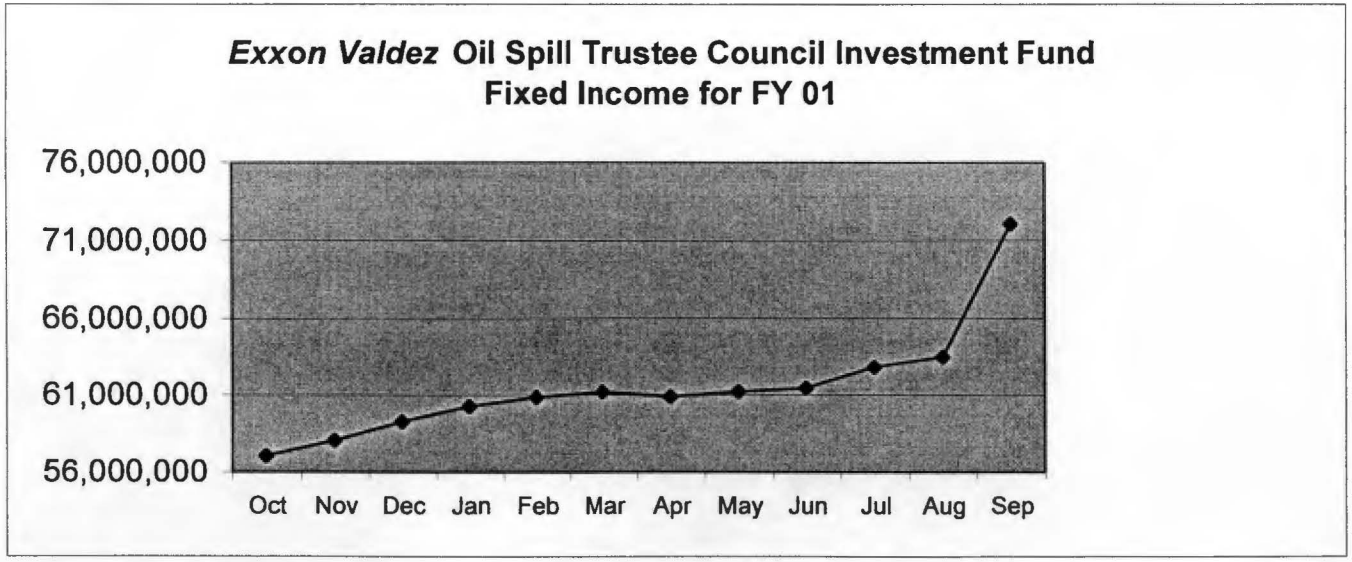
## *Exxon Valdez* Oil Spill Trustee Council
## Investment Fund Earnings (Loss) as of September 30, 2001



## Investment Fund Earnings (Losses)

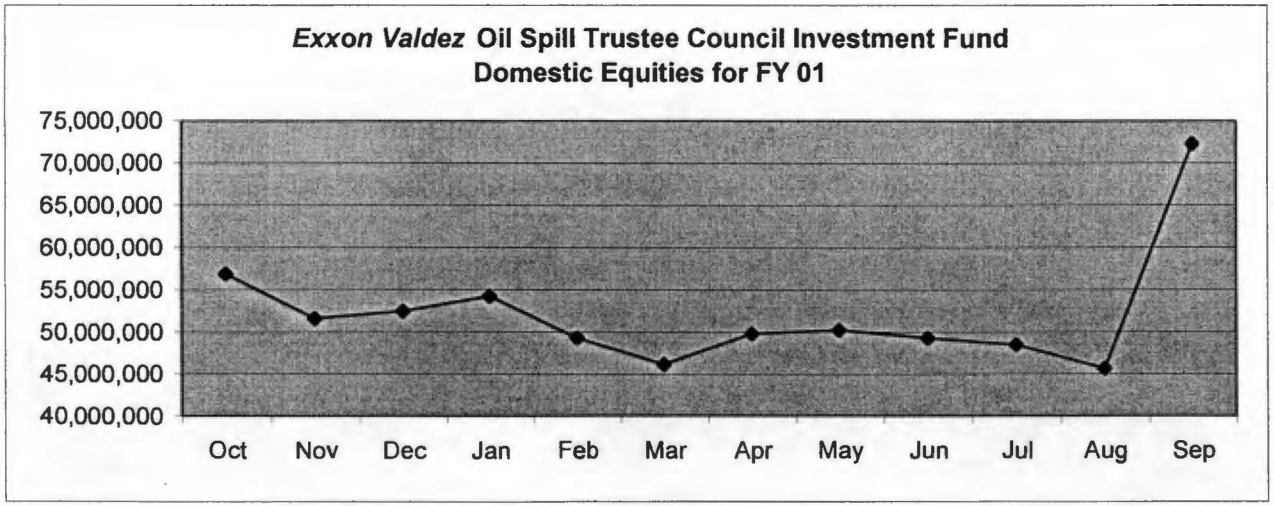
| | SFY 01 | SFY 02 | Total |
|---|---|---|---|
| 31-Oct-00 | $2,503,034 | | |
| 30-Nov-00 | -$4,794,990 | | |
| 31-Dec-00 | $3,042,417 | | |
| 31-Jan-01 | $2,652,034 | | |
| 28-Feb-01 | -$5,626,092 | | |
| 31-Mar-01 | -$4,499,192 | | |
| 30-Apr-01 | $4,497,983 | | |
| 31-May-01 | $267,233 | | |
| 30-Jun-01 | -$1,412,478 | | |
| 31-Jul-01 | | -$203,007 | |
| 31-Aug-01 | | -$2,442,542 | |
| 30-Sep-01 | | -$4,465,637 | |
| **Total Earnings/Losses** | **-$3,370,051** | **-$7,111,186** | **-$10,481,237** |

| | |
|---|---|
| Oct | 57,075,942 |
| Nov | 58,072,794 |
| Dec | 59,288,677 |
| Jan | 60,291,225 |
| Feb | 60,852,550 |
| Mar | 61,209,483 |
| Apr | 60,905,590 |
| May | 61,238,245 |
| Jun | 61,457,699 |
| Jul | 62,822,366 |
| Aug | 63,483,499 |
| Sep | 72,062,627 |



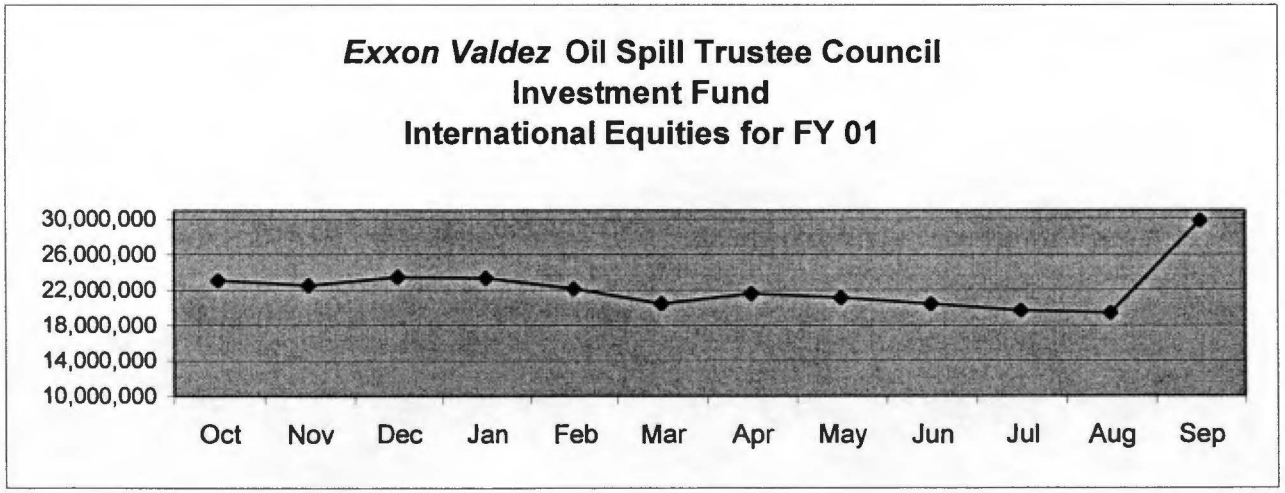

Note: September's increased amount is due to contributions from Exxon's last payment.

| | |
|---|---|
| Oct | 56,879,447 |
| Nov | 51,648,963 |
| Dec | 52,536,681 |
| Jan | 54,289,747 |
| Feb | 49,329,178 |
| Mar | 46,126,312 |
| Apr | 49,828,183 |
| May | 50,227,785 |
| Jun | 49,293,870 |
| Jul | 48,492,162 |
| Aug | 45,636,080 |
| Sep | 72,290,582 |




Note: September's increased amount is due to contributions from Exxon's last payment.

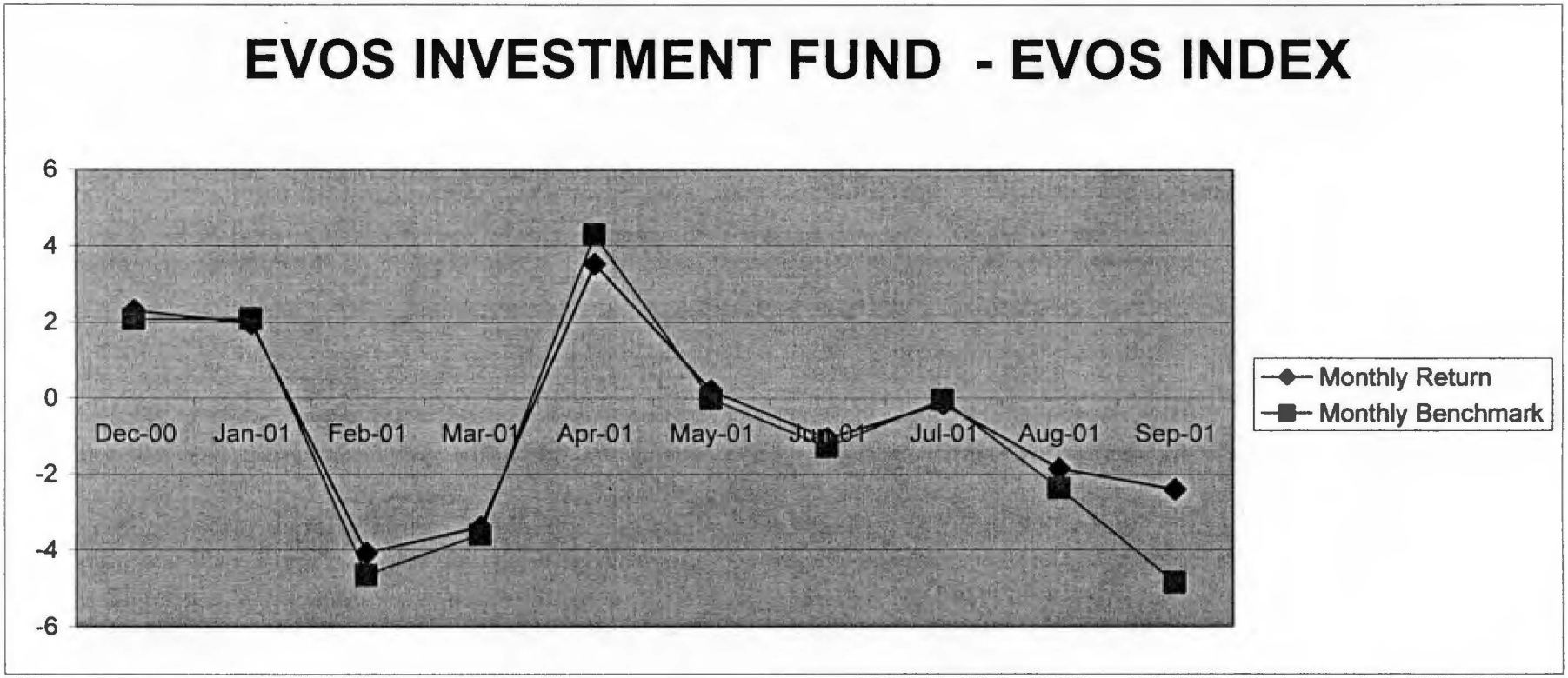
| | |
|---|---|
| Oct | 23,102,643 |
| Nov | 22,540,761 |
| Dec | 23,478,963 |
| Jan | 23,374,808 |
| Feb | 22,147,519 |
| Mar | 20,493,757 |
| Apr | 21,593,395 |
| May | 21,128,062 |
| Jun | 20,429,757 |
| Jul | 19,663,491 |
| Aug | 19,415,611 |
| Sep | 29,844,062 |




Note: September's increased amount is due to contributions from Exxon's last payment.

EVOS Investment Fund - EVOS Index

| | Dec-00 | Jan-01 | Feb-01 | Mar-01 | Apr-01 | May-01 | Jun-01 | Jul-01 | Aug-01 | Sep-01 |
|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Return | 2.3 | 1.96 | -4.08 | -3.4 | 3.52 | 0.2 | -1.06 | -0.15 | -1.86 | -2.41 |
| Monthly Benchmark | 2.07 | 2.08 | -4.66 | -3.6 | 4.29 | -0.02 | -1.29 | -0.04 | -2.37 | -4.85 |
| Market Value ($M) | $135,397 | $138,049 | $132,423 | $127,924 | $132,404 | $132,671 | $131,259 | $131,056 | $128,613 | $174,452 |

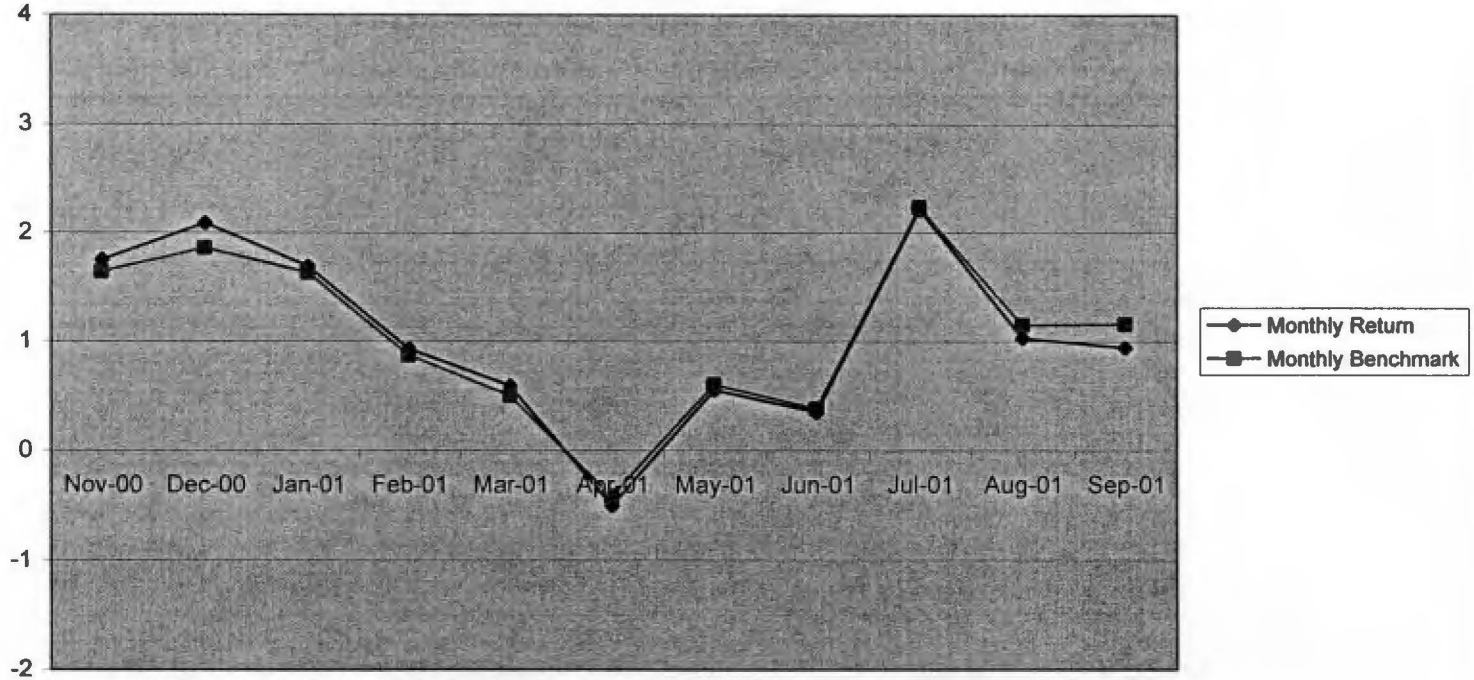

EVOS INVESTMENT FUND - EVOS INDEX
6
4
2
0
-2
-4
-6
Dec-00
Jan-01
Feb-01
Mar-01
Apr-01
May-01
Jun-01
Jul-01
Aug-01
Sep-01
Monthly Return
Monthly Benchmark

Fixed Income Pool - Lehman Brothers Aggregate Index

| | Nov-00 | Dec-00 | Jan-01 | Feb-01 | Mar-01 | Apr-01 | May-01 | Jun-01 | Jul-01 | Aug-01 | Sep-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Return | 1.75 | 2.09 | 1.69 | 0.93 | 0.59 | -0.5 | 0.55 | 0.35 | 2.22 | 1.03 | 0.94 |
| Monthly Benchmark | 1.64 | 1.86 | 1.63 | 0.87 | 0.5 | -0.42 | 0.6 | 0.38 | 2.24 | 1.15 | 1.16 |
| Market Value (in $M) | 58,073 | 59,289 | 60,291 | 60,853 | 61,210 | 60,906 | 61,238 | 61,458 | 62,822 | 63,483 | 72,063 |

# Fixed Income Pool - Lehman Brothers Aggregate Index

**September 2001**

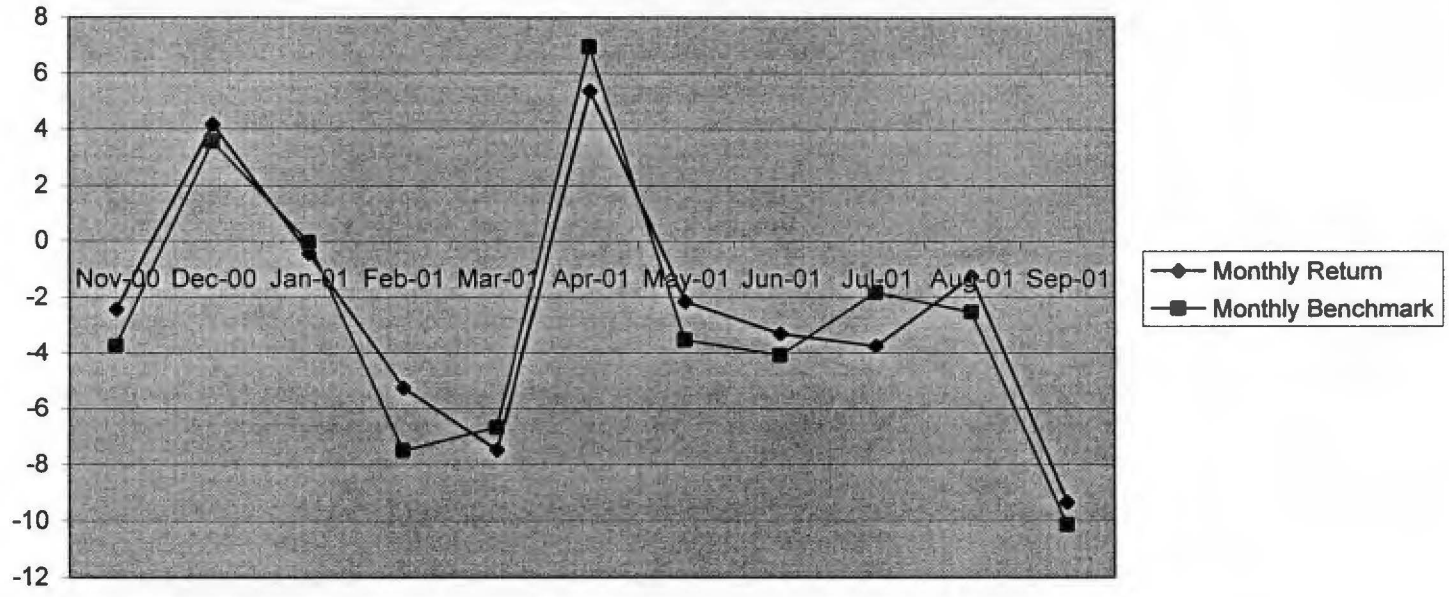


International Equities Pool - Morgan Stanley Capital Intl (EAFE)

| | Nov-00 | Dec-00 | Jan-01 | Feb-01 | Mar-01 | Apr-01 | May-01 | Jun-01 | Jul-01 | Aug-01 | Sep-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Return | -2.43 | 4.16 | -0.44 | -5.25 | -7.47 | 5.37 | -2.15 | -3.31 | -3.75 | -1.26 | -9.33 |
| Monthly Benchmark | -3.75 | 3.55 | -0.05 | -7.5 | -6.67 | 6.95 | -3.53 | -4.09 | -1.82 | -2.53 | -10.13 |
| Market Value ($M) | 22,541 | 23,479 | 23,375 | 22,148 | 20,494 | 21,593 | 21,128 | 20,430 | 19,664 | 19,416 | 29,844 |

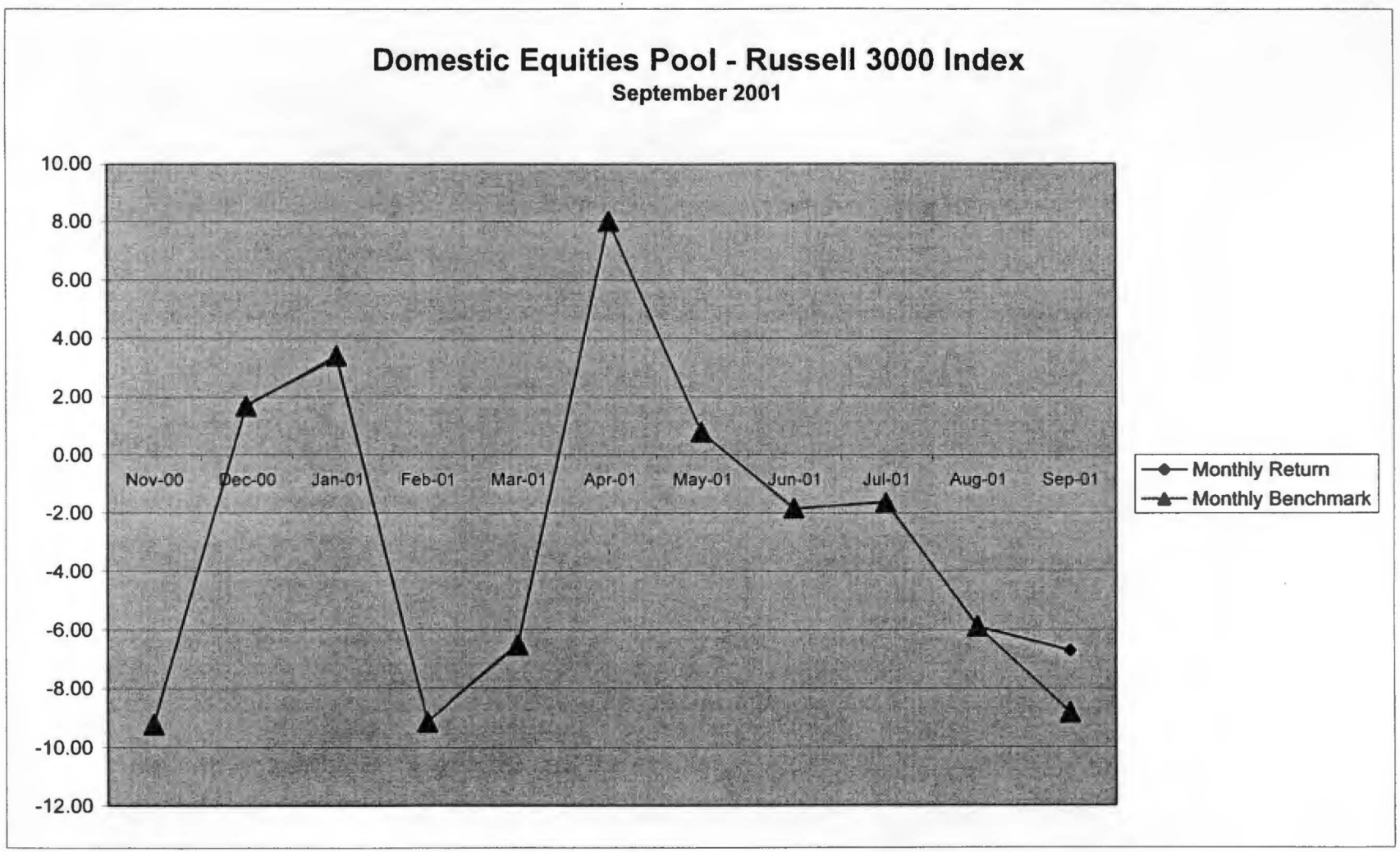
# International Equity Pool - Morgan Stanley Capital Intl. (EAFE)

**September 2001**



Domestic Equities Pool - Russell 3000 Index

| | Nov-00 | Dec-00 | Jan-01 | Feb-01 | Mar-01 | Apr-01 | May-01 | Jun-01 | Jul-01 | Aug-01 | Sep-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Return | -9.20 | 1.72 | 3.34 | -9.14 | -6.49 | 8.03 | 0.80 | -1.86 | -1.63 | -5.9 | -6.72 |
| Monthly Benchmark | -9.22 | 1.68 | 3.42 | -9.14 | -6.52 | 8.02 | 0.80 | -1.84 | -1.65 | -5.89 | -8.82 |
| Market Value ($M) | 51,649 | 52,537 | 54,290 | 49,329 | 46,126 | 49,828 | 50,228 | 49,294 | 48,492 | 45,636 | 72,291 |


Domestic Equities Pool - Russell 3000 Index
September 2001
10.00
8.00
6.00
4.00
2.00
0.00
-2.00
-4.00
-6.00
-8.00
-10.00
-12.00
Nov-00
Dec-00
Jan-01
Feb-01
Mar-01
Apr-01
May-01
Jun-01
Jul-01
Aug-01
Sep-01
Monthly Return
Monthly Benchmark

# *Exxon Valdez* Oil Spill Trustee Council

441 W. 5th Ave., Suite 500 • Anchorage, Alaska 99501-2340 • 907/278-8012 • fax 907/276-7178


## MEMORANDUM

TO: Dede Bohn
DOI-USGS Liaison

FROM: Molly McCammon
Executive Director

RE: Extension of Due Date for Roby Component of Final Report: *Project /327: Pigeon Guillemot Restoration Research at the Alaska SeaLife Center*

DATE: November 5, 2001

The purpose of this memo is to approve your request for an extension of the due date from December 15, 2001 to June 30, 2002 for Dan Roby's component of the final report on Project /327, Pigeon Guillemot Restoration Research at the Alaska SeaLife Center. I understand that this extension is needed due to unforeseen circumstances, including delays in getting data returned from multiple facilities.

An extension of the due date for George Divoky's component of the final report on this project has not been requested. You have informed me that the USGS contract with Mr. Divoky calls for his component of the final report to have been submitted on September 30, 2001.