

12.7.2

# Past and Estimated Future Uses of Civil Settlement Funds as of March 1995

Past and estimated future uses of the civil settlement as of March 1995 are outlined below. Future authorizations in the table are estimates made for planning purposes. The Trustee Council members will base actual funding decisions on restoration needs at that time.

The table shows that between \$107 and \$137 million are anticipated to be spent on work plan projects during the remaining seven years until Exxon payments end in the year 2001. The amount expected for work plan projects in FY 96 is expected to be less than the \$23 million approved for FY 95. The Restoration Reserve will be used to support activities beyond 2001.

## Figures in Millions of Dollars

### Research, Monitoring & General Restoration ..... Estimated at \$217 - \$247 million

Past Authorizations: \$110.5 million      Estimated Future Authorizations: \$107 - \$137 million

\$19.2 million for the 1992 Work Plan  
\$15.5 million for the 1993 Work Plan  
\$27.8 million for the 1994 Work Plan  
\$23.0 million for the 1995 Work Plan  
\$25.0 million for Alaska Sealife Center

Estimated future work plan authorizations are calculated as the residual of \$900 million less past and estimated future authorizations for other restoration purposes.

### Restoration Reserve ..... Estimated at \$108 million plus interest

Past Authorizations: \$24.0 million      Estimated Future Authorizations: Anticipated at a total of \$84 million (\$12 M per year through fiscal year 2002)

### Habitat Protection ..... Estimated at \$342 - \$372 million

Past Actions: \$50.2 million      Estimated Future Authorizations: \$292 - \$322

\$7.5 million for inholdings in Kachemak Bay State Park  
\$39.6 million for Seal Bay on Afognak Island (\$38.7 for purchase and \$0.9 in estimated interest)  
\$3.1 million for timber rights at Orca Narrows

### Reimbursements ..... Estimated at \$177 million

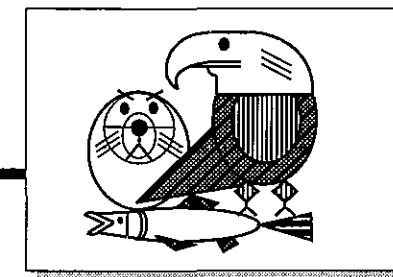
Past Reimbursements: \$150.4      Estimated Future Reimbursements: \$26.3 million

For reimbursements to the federal and state governments for past damage assessment, cleanup, response, restoration, and litigation expenses.

### Adjustments ..... \$26 million

More precise estimate is \$25.7 million, including \$39.9 million deducted by Exxon from the 1992 payment for the costs of cleanup completed after January 1, 1991; plus \$0.6 million in court fees; minus a credit of \$8.1 million for interest earned; and minus a credit of \$6.7 million not expended by agencies.

**Total Past and Future Estimated Expenditures \$900 million**



## Draft Restoration Program: FY 96 and Beyond

The *Draft Restoration Program: FY 96 and Beyond* describes a long-range projection of research, monitoring and general restoration needs. The information on the next two pages summarizes projected activities and costs for the next three years. It is a starting point for this year's funding decisions by the Trustee Council. It is being distributed to the public for review and comment, and has not yet been adopted by the Trustee Council.

### A Vision for the Future

In January, more than 130 scientists, staff, and members of the public came together in Anchorage to review restoration activities over the past year, and develop a vision of the future — a forecast of work plan projects needed in the coming years to accomplish restoration objectives.

This vision is described in the *Draft Restoration Program: FY 96 and Beyond* which is published as a part of the *Invitation to Submit Restoration Projects for FY96*. For each injured resource and service, the document describes projects likely to be proposed for restoration including an estimate of the cost, what the project will accomplish, and when it will be finished. Collectively, the information provides a view of priorities for the next year and beyond.

"This is the first time we have had a long range view of our projected needs," said Executive Director Molly McCammon. "With this information, we can realistically assess restoration needs, and put together a

financially sustainable restoration program to make the best use of available funding."

The *Draft Restoration Program* is a starting point for this year's funding decisions by the Trustee Council. It has not yet been adopted by the Trustee Council, and is being distributed to the public for review and comment.

This flyer provides a summary. The complete *Draft Restoration Program: FY 96 and Beyond* is available from the Restoration Office at 907/278-8012 or toll-free within Alaska at 1-800-478-7745. Comments are due by May 1 in order to be incorporated into the final decision process.



Research sponsored by the Trustee Council continues to examine fisheries, subsistence resources and other resources affected by the Exxon Valdez oil spill to determine the best course of action to aid recovery. Photos by Joe Sullivan, ADF&G.

## Pink Salmon

### Toxic Effect of Oil

Study the toxic effect of oiling on pink salmon eggs, and monitor egg mortality until recovery.

*Estimated Future Cost: \$2,667,600*

### Stock Separation and Management

- Develop otolith marking as an in-season stock-separation tool. Transfer to ADF&G by FY 99.
- Estimate straying of hatchery fish.  
*Estimated Future Cost: \$1,167,000*

### Supplementation

Monitor habitat improvements constructed on Afognak, Knight, Culross, and Montague islands.  
*Estimated Future Cost: \$10,000*

### Other Supplementation (cost unknown)

- Evaluate Lowe River and Port Dick artificial spawning channels.
- Evaluate alternative hatchery release sites to separate hatchery from wild runs (project 093).

### Pink Salmon Total

FY 92-95: \$6,995,600  
FY 96-98: \$3,844,600  
Total: \$10,800,200

## Cutthroat and Dolly Varden Trout

### Habitat Improvement Projects

Monitor the success of four projects that provide additional rearing habitat for cutthroat or Dolly Varden trout.

*Estimated Future Cost (thru 1998): \$24,000*

### Cutthroat/DV Total

FY 92-95: \$172,700  
FY 96-98: \$24,000  
Total: \$196,700

## Sound Ecosystem Assessment

The SEA Plan is about a dozen interrelated projects, begun in 1994, to provide information about factors that influence the populations of pink salmon and herring.

### Research Goals:

- Acquire an ecosystem-level understanding of processes that maintain populations of pink salmon and herring;
- Use the understanding to predict their populations;
- Establish a data base for restoration in Prince William Sound.  
*Estimated Future Cost (thru 1998): \$10,800,000*

### SEA Program Total

FY 94-95: \$10,541,100  
FY 96-98: \$10,800,000  
Total: \$21,341,100

## Pacific Herring

### Disease/Reproduction

- the effect of oil on herring reproduction;
- the impact of disease.  
*Estimated Future Cost: \$1,607,000*

### Improve Fisheries Management

- Estimate the biomass of spawning herring (spawn deposition surveys).
- Initiate annual survey of juvenile herring.
- Determine if there are substocks of herring in Prince William Sound.  
*Estimated Future Cost (thru 1998): \$940,000*

### Pacific Herring Total

FY 92-95: \$2,090,800  
FY 96-98: \$2,547,000  
Total: \$4,637,800

## Sockeye Salmon

### Kenai/Skilak Sockeye

If the return from the 1989 brood year is normal in 1995, transfer funding for in-season management techniques to ADF&G, and closeout limnological research program.

*Estimated Future Cost (thru 1998): \$870,000*

### Kodiak Sockeye Salmon

Monitor smolts and other parameters until recovery.

*Estimated Future Cost (thru 1998): \$580,000*

### Coghill Lake Fertilization and Monitoring

Finish fertilization and monitoring.  
*Estimated Future Cost (thru 1998): \$1,000,000*

### Sockeye Salmon Total

FY 94-95: \$5,259,650  
FY 96-98: \$2,150,000  
Total: \$7,409,650

## Marine Mammals

**Research** the probable factors limiting recovery of harbor seals including food limitations, disease, predation by killer whales, and human-caused mortality. Monitor population levels of both harbor seals and killer whales.

*Estimated Future Cost (thru 1998): \$1,651,800*

**Community-based Harvest Monitoring and Sampling**, a pilot program in which subsistence users observe changes in harbor seal populations and conditions.

*Estimated Future Cost (thru 1998): \$70,000*

### Marine Mammal Total

FY 92-95: \$1,596,200  
FY 96-98: \$1,721,800  
Total: \$3,318,000

## Nearshore Ecosystem

### Nearshore Vertebrate Predators

Project focuses on sea otters, river otters, harlequin ducks, and pigeon guillemots. It will determine whether populations are recovering and identify processes constraining recovery.

*Estimated Future Cost (thru 1998): \$4,933,785*

### Other Intertidal & Subtidal Organisms

Finish studies to document injury/recovery to intertidal and subtidal organisms throughout the spill area.  
*Estimated Future Cost (thru 1998): \$1,150,000*

### Fate and Persistence of Oil

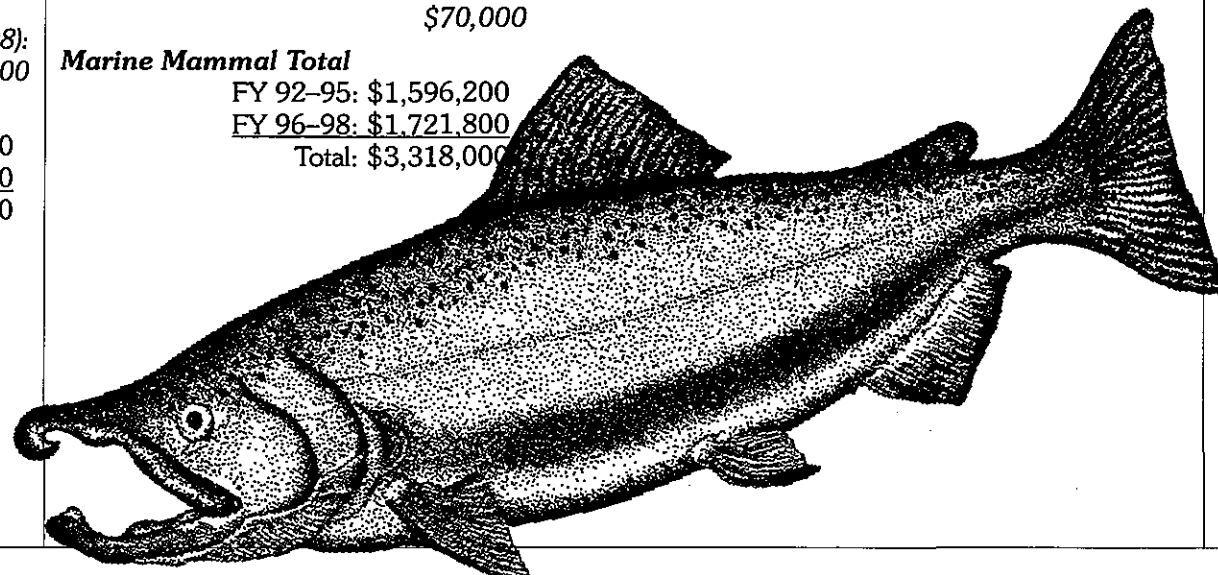
Document degradation of shoreline oil.  
*Estimated Future Cost (thru 1998): \$510,800*

### Other Monitoring

- Mussel beds: \$512,800
- Harlequin ducks: \$478,900
- Eelgrass habitats: \$219,100

### Nearshore Ecosystem Total

FY 92-95: \$9,112,400  
FY 96-98: \$7,805,400  
Total: \$16,927,800



## Seabird/Forage Fish; Related Projects

### Seabird/Forage Fish Research

Determine whether a shift in the trophic structure of Prince William Sound has prevented recovery of harbor seals, common murrelets, marbled murrelets, and pigeon guillemots.

*Estimated Future Cost (thru 1998): \$5,898,700*

### Monitoring other Bird Populations

- Common Murres: \$262,000
- Marbled Murrelets: \$500,000
- Other Marine Birds: \$260,000

### Seabird/Forage Fish Total

FY 92-95: \$4,654,090  
FY 96-98: \$6,920,700  
Total: \$11,574,790

## Subsistence

### Restore Injured Resources

Most projects are explained elsewhere. Closeout octopus surveys and seal/sea otter cooperative assistance.

*Estimated Future Cost (thru 1998): \$125,100*

**Enhance & Replace Resources**, such as alternative fish runs and clam enhancement.

*Estimated Future Cost (thru 1998): \$171,800*

### Community Participation

Provides information about restoration to subsistence users, helps involve them in the restoration process, and aids communication between them and researchers.

*Estimated Future Cost (thru 1998): \$456,000*

### Other Subsistence Projects 5(cost unknown)

Other projects are currently being developed. Costs are currently unknown.

### Subsistence Total\*

FY 92-95: \$1,838,900  
FY 96-98: \$752,900 +?

Total: \$2,591,800 +?

## Archaeological Resources

### Site Stabilization and Data Recovery

Complete work at 2 of 24 known sites injured during the spill and cleanup.  
*Estimated Future Cost (thru 1998): \$50,000*

**Archaeological Site Monitoring** to detect damage from vandalism, looting, and oiling.

*Estimated Future Cost (thru 1998): \$240,000*

### Local Heritage Preservation

(cost unknown)  
Spill area residents have expressed interest in museums and site stewardship programs. These will be evaluated as they are proposed.

### Archaeology/Heritage Total\*

FY 92-95: \$2,719,907  
FY 96-98: \$290,000 +?  
Total: \$3,009,907 +?

## Other

### Recreation and Tourism

- State Criminal Restitution Fund. In 1993, the Alaska Legislature appropriated \$10.85 million from the state criminal restitution fund to the ADNR for restoring recreational services. ADNR solicited proposals in late 1994. A decision is pending.
- Fleming Spit Recreation Area — a proposal for improvements in a popular sportfishing destination in Cordova (cost unknown).

### Reduction of Marine Pollution

A planning project was funded for Prince William Sound. An unknown amount may be requested from the Trustee Council in the future.

### Total Other

FY 92-95: \$633,800  
FY 96-98: Unknown  
Total: Unknown

\*The cost of these restoration categories is likely to increase.