

15.2.4  
T - Z

T



15.2.4 134T

## TATITLEK VILLAGE IRA COUNCIL

P.O. Box 171  
Tatitlek, AK 99677Ph. (907) 325-2311  
FAX (907) 325-22980065940514  
RECEIVED  
MAY 14 1993

May 4, 1993

Exxon Valdez Oil Spill Trustee Council  
645 G Street  
Anchorage, AK. 99501RECEIVED  
OCT 02 1995EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL

Dear Sirs:

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL  
ADMINISTRATIVE RECORD

The residents of the Native Village of Tatitlek, most of whom are very dependent on subsistence resources for their lifestyles, have become extremely concerned (probably more concerned than we have been since the first days of the Exxon Valdez Oil Spill) with the safety of consuming any of the marine subsistence resources. Our concerns relate primarily to the condition of the herring, which is not only a staple subsistence resource in our village, but, also a main food source of many of the other resources that we enjoy. The effect that the herring may have on the safety of consuming any of the resources has necessitated the discontinuance of harvests of any of the subsistence resources until we are certain that they are safe for human consumption.

Since the oil spill, the Village of Tatitlek has asserted their belief that the resources and environment were much more affected and for a much longer term than we were being led to believe; we continue to strongly assert this. The resources that our people have subsisted on for generations are no longer available to us, the numbers of these resources have been declining since March 24, 1989. We do not need scientists and researchers to tell us this, generations of knowledge and co-existence with these resources tell us this. We do, however, need the scientists and researchers to explain to us how the resources have been affected, how long we can expect these resources to remain affected, and the safety of consuming any of the resources.

While the Tatitlek Village IRA Council has not had a great degree of involvement in the restoration process, we have followed the progress of the process very closely and are very appreciative of the efforts of the Trustee Council. At this time, the Village of Tatitlek strongly urges the Trustee Council to give the Subsistence issues a higher priority than they have been given, and provide more funding for researching the affects that the oil spill has had on the resources that the residents of the spill affected areas subsist on. The importance of this research has been magnified greatly by the problems that are surfacing with the health of the Pacific Herring, which can adversely affect the health of the many resources that prey on the herring for their survival. More specific studies of most of the subsistence resources, including seals, sea lion, ducks, salmon, shellfish, and bottom fish, is required to determine the affects that the herring may have had on their health.

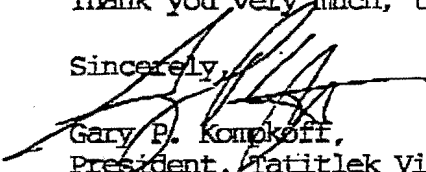
As mentioned above, the residents of this village are very worried about the condition of the resources in our area. The herring are sick, the ducks, to some degree are sick, the seal and sea lion populations are declining and we are very concerned about our future lifestyles. All indications are that the resources have been very adversely affected by the oil spill to some degree and we are being told not to worry.

Letter to EVOS Trustee Council  
Page 2

In closing, we would like to express our sincere gratitude and appreciation for the incredible work that you all have done in addressing the restoration of the resources and environment impacted by the oil spill. We also hope that attention will be given to those organizations and communities who do not have the capability to attend the public meetings of the Trustee Council that other organizations do. It is very important that the issues that face the residents of the spill zone are recognized and addressed.

Thank you very much, take care.

Sincerely,



Gary P. Kompkoff,  
President, Tatitlek Village IRA Council  
Vice-Chairman, Chugach Regional Resources Commission  
Chairman, Chugach Environmental Protection Consortium

gpk

cc: Mr. Jim Fall, Subsistence Div, ADFG  
Chugachmiut  
The Tatitlek Corporation

15.2.4 135T

TEXAS A & M UNIVERSITY AT GALVESTON  
Dept of Marine Biology  
POB 1675  
Galveston TX 77553-1675

PLACE  
POSTAGE  
HERE

EXXON VALDEZ TRUSTEE COUNCIL  
1994 Work Plan Work Group  
645 "G" Street  
Anchorage, Alaska 99501

RECEIVED  
OCT 02 1995

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL  
ADMINISTRATIVE RECORD

0097940517  
RECEIVED  
MAY 17 1993  
EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL

TEXAS A&M UNIVERSITY AT GALVESTON



RANDALL W. DAVIS  
CHAIRMAN  
DEPARTMENT OF MARINE BIOLOGY

MITCHELL CAMPUS  
(409) 740-4528  
FAX # (409) 740-5001

P.O. BOX 1675  
GALVESTON, TEXAS 77553-1675  
E-MAIL: DAVIS\_R@TAMUG2.TAMU.EDU

Name: RAWDAH DAVIS  
 Phone: 409 740 4528

1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |     |     | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 2  | Do Not Fund |
|----|---------------------------|---------------------------------------|---|--------|-----|-----|------------------------|-----------------------------|----|----|----|----|----|----|----|----|-------------|
|    |                           |                                       |   | PWS    | KEN | KOD |                        |                             | 94 | 95 | 96 | 97 | 98 | 99 | 00 | 01 |             |
| 1  | Archaeology               | Acquire Archaeological Artifacts      | Archaeological Specimens Collection, University of Alaska Museum                    | X      | X   | X   | \$41                   | M                           |    |    |    |    |    |    |    | X  |             |
| 2  |                           | Acquire Archaeological Artifacts      | Nuchek Heritage Interpretive Center, Design   | X      |     |     | \$300                  | 1                           |    |    |    |    |    |    |    | X  |             |
| 3  |                           | Habitat Protection and Acquisition    | Archaeological Site Acquisition   | X      | X   | X   | \$200                  | M                           |    |    |    |    |    |    |    | X  |             |
| 4  |                           | Intensified Management                | Coastal Archaeological Inventory and Evaluation of Archaeological Sites-Interagency | X      | X   | X   | \$525                  | M                           |    |    |    |    |    |    |    | X  |             |
| 5  |                           | Intensified Management                | Vandalized Cultural Resources--Inventory, Evaluation, Interpretation                | X      | X   | X   | \$400                  | M                           |    |    |    |    |    |    |    | X  |             |
| 6  |                           | Option Not Identified                 | Restoration of Chenega Village Site   | X      |     |     | \$75                   | 1                           |    |    |    |    |    |    |    | X  |             |
| 7  |                           | Option Not Identified                 | Site-specific Archaeological Restoration - Interagency                              | X      | X   | X   | \$300                  | 93 - M                      |    |    |    |    |    |    |    | X  |             |
| 8  |                           | Public Information                    | Passports in Time-Cultural Resource Patterns in PWS                                 | X      |     |     | \$230                  | M                           |    |    |    |    |    |    |    | X  |             |
| 9  |                           | Public Information                    | Heritage Information Replacement  | X      | X   | X   | \$200                  | M                           |    |    |    |    |    |    |    | X  |             |
| 10 |                           | Public Information                    | PWS Landmarks-Evaluation and Interpretation   | X      |     |     | \$400                  | M                           |    |    |    |    |    |    |    | X  |             |
| 11 |                           | Public Information                    | Public Education and Interpretation of Archaeological Resource                      | X      | X   | X   | \$400                  | M                           |    |    |    |    |    |    |    | X  |             |
| 12 |                           | Restoration Monitoring                | Study of Petroleum Hydrocarbon Spectra at Selected Sites                            | X      | X   | X   | \$225                  | M                           |    |    |    |    |    |    |    | X  |             |
| 13 |                           | Site Patrol and Monitoring            | Archaeological Site Protection-Public Education-Interagency                         | X      | X   | X   | \$150                  | M                           |    |    |    |    |    |    |    | X  |             |
| 14 |                           | Site Patrol and Monitoring            | Archaeological Site Protection-Site Patrol Monitoring-Interagency                   | X      | X   | X   | \$210                  | M                           |    |    |    |    |    |    |    | X  |             |
| 15 |                           | Site Stewardship Program              | Archaeological Site Stewardship Program   | X      | X   | X   | \$114                  | M                           |    |    |    |    |    |    |    | X  |             |
| 16 |                           | Visitor Center                        | Chugach National Forest Heritage Interpretive Center, Design                        | X      |     |     | \$1,200                | 1                           |    |    |    |    |    |    |    | X  |             |
|    |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|    |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 17 | Bald Eagle                | Habitat Protection                    | Identification and Protection of Important Bald Eagle Habitats                      | X      | X   | X   | \$262                  | M                           | X  |    |    |    |    |    |    |    |             |
| 18 |                           | Recovery Monitoring                   | Bald Eagle Productivity Survey and Catalog  | X      | X   | X   | \$10                   | M                           | X  |    |    |    |    |    |    |    |             |
| 19 |                           | Recovery Monitoring                   | Long-Term Population Monitoring for Bald Eagles                                     | X      | X   | X   | \$200                  | M                           | X  |    |    |    |    |    |    |    |             |
|    |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|    |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 20 | Black Oystercatcher       | Recovery Monitoring                   | Black Oystercatcher Interaction with Intertidal Communities                         | X      | X   | X   | \$108                  | 93 - M                      | X  |    |    |    |    |    |    |    |             |
| 21 |                           | Recovery Monitoring                   | Feeding Ecology and Reproductive Success of Black Oystercatchers in PWS             | X      |     |     | \$125                  | M                           | X  |    |    |    |    |    |    |    |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|    |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
|    |                           |                                       |  | S      | E | O |                        |                             | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 |             |
| 22 | Black Oystercatcher       | Restoration Monitoring                |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 23 | Commercial Fishing        | Habitat Protection and Acquisition    | Weir And Conservation Land Acquisition   | X      | X | X | \$1,100                | M                           |   |   |   |   |   |   |   |   | X           |
| 24 |                           | Intensify Management                  | Establish an Ecological Basis for Restoring and Enhancing Mixed-stock Salmon Resources     | X      | X | X | \$385                  | M                           |   |   |   |   |   |   |   |   | X           |
| 25 |                           | Intensify Management                  | Fishery Industrial Technology Center   | X      | X | X | \$3,500                | 1                           |   |   |   |   |   |   |   |   | X           |
| 26 |                           | Intensify Management                  | Model for Capacity of Salmon Production for the Susitna Drainage                           |        | X |   | \$150                  | M                           |   |   |   |   |   |   |   |   | X           |
| 27 |                           | Intensify Management                  | Susitna River Sockeye Salmon Production Evaluation   |        | X |   | \$300                  | M                           |   |   |   |   |   |   |   |   | X           |
| 28 |                           | Monitoring                            | Thirteen Commercial Species Hydrocarbon Contamination and Injury Assessment                | X      | X | X | \$200                  | M                           |   |   |   |   |   |   |   |   | X           |
| 29 |                           | Option Not Identified                 | Payoff Debt of Valdez Fisheries Development Association                                    | X      |   |   | \$5,000                | 1                           |   |   |   |   |   |   |   |   | X           |
| 30 |                           | Recovery Monitoring                   | Recovery of Coded-Wire Tags from Pink Salmon in Commercial Catches, Hatchery Cost Recovery | X      |   |   | \$868                  | M                           |   |   |   |   |   |   |   |   | X           |
| 31 |                           | Recovery Monitoring                   | Wild Fish Stock Information Assessment   | X      | X | X | \$50                   | M                           |   | X |   |   |   |   |   |   |             |
| 32 |                           | Replace Harvest Opportunities         | Mitigation Fishery at Kitoi Bay Hatchery on Afognak Island                                 |        |   | X | \$45                   | M                           |   |   |   |   |   |   |   |   | X           |
| 33 |                           | Replace Harvest Opportunities         | Montague Island Chum Salmon Restoration  | X      |   |   | \$80                   | M                           |   |   |   |   |   |   |   |   | X           |
| 34 |                           | Replace Harvest Opportunities         | Paint River Fish Ladder Salmon Stocking Program  |        | X |   | \$50                   | M                           |   |   |   |   |   |   |   |   | X           |
| 35 |                           | Replace Harvest Opportunities         | Red Lake Mitigation  |        |   | X | \$191                  | M                           |   |   |   |   |   |   |   |   | X           |
| 36 | Common Murre              | Feasibility Study: Improve Nest Sites | Testing of the Feasibility of Enhancing Productivity                                       | X      | X | X | \$280                  | M                           |   |   |   |   |   |   |   |   | X           |
| 37 |                           | Feasibility Study: Social Stimuli     | Restoration of Murres by Way of Behavioral Attraction and Habitat Enhancement              | X      | X | X | \$51                   | 93 - M                      |   |   |   |   |   |   |   |   | X           |
| 38 |                           | Feasibility Study: Social Stimuli     | Restoration of Murres by Way of Transplantation of Chicks-Feasibility Study                | X      | X | X | \$73                   | M                           |   |   |   |   |   |   |   |   | X           |
| 39 |                           | Recovery Monitoring                   | Common Murre Population Monitoring   | OUT    | X | X | \$191                  | M                           |   | X |   |   |   |   |   |   |             |
| 40 |                           | Reduce Disturbance                    | Reduce Disturbance Near Murre Colonies Injured by the Oil Spill                            |        | X | X | \$40                   | M                           |   |   |   |   |   |   |   |   | X           |
| 41 |                           | Remove Introduced Species             | Removal of Introduced Predators from Bird Colonies   | OUT    |   |   | \$460                  | M                           |   |   |   |   |   |   |   |   | X           |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

*Randall W. Davis*

Name: \_\_\_\_\_  
Phone: 409 740 4528

1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|----|---------------------------|---------------------------------------|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|    |                           |                                       |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 42 | Common Murre              | Restoration Monitoring                |   |        |   |   |                        | M                           |   |   |   |   |   |   |   |   |             |
| 43 | Cutthroat/Dolly           | Intensify Management                  | Cutthroat Trout and Dolly Varden Habitat Restoration                                      | X      |   |   | \$200                  | M                           |   |   |   |   |   |   |   |   | X           |
| 44 |                           | Intensify Management                  | Enhanced Management of Cutthroat Trout and Dolly Varden                                   | X      |   |   | \$285                  | M                           |   |   |   |   |   |   |   |   | X           |
| 45 |                           | Option Not Identified                 | Anadromous Cutthroat and Dolly Varden Char Habitat Inventory, Evaluation, and Restoration | X      |   |   | \$35                   | M                           |   |   |   |   |   |   |   |   | X           |
| 46 |                           | Option Not Identified                 | Cutthroat Trout and Dolly Varden Hatchery   | X      |   |   | \$950                  | M                           |   |   |   |   |   |   |   |   | X           |
| 47 |                           | Restoration Monitoring                |   |        |   |   |                        | M                           |   |   |   |   |   |   |   |   | X           |
| 48 | General                   | Administration                        | Oil Spill Restoration Support Service and Facilities                                      | X      | X | X | \$600                  | 1                           |   |   |   |   |   |   |   |   | X           |
| 49 |                           | Monitoring                            | Monitoring of Small Cetaceans (Dall Porpoises) in PWS                                     | X      |   |   | \$200                  | M                           |   | X |   |   |   |   |   |   | X           |
| 50 |                           | Option Not Identified                 | Hazardous Material Collection Facility  | X      | X | X | \$100                  | 1                           |   |   |   |   |   |   |   |   | X           |
| 51 |                           | Option Not Identified                 | Testing of Patch-Response Patch Dependence Hypothesis-Testing of an Ecosystem Model       | X      | X | X | \$488                  | M                           |   |   |   |   |   |   |   |   | X           |
| 52 |                           | Public Information                    | Public Broadcasting System Program on Oil Spill   | X      | X | X | \$70                   | M                           |   |   |   |   |   |   |   |   | X           |
| 53 |                           | Public Information                    | Publish and Distribute Brochures on Injured Species                                       | X      | X | X | \$90                   | M                           |   |   |   |   |   |   |   |   | X           |
| 54 |                           | Public Information                    | PWS Brochures   | X      |   |   | \$65                   | M                           |   |   |   |   |   |   |   |   | X           |
| 55 |                           | Public Information                    | PWS Implementation of Interpretive Plan   | X      |   |   | \$150                  | M                           |   |   |   |   |   |   |   |   | X           |
| 56 |                           | Public Information                    | PWS Large Format Photographic Book  | X      |   |   | \$100                  | M                           |   |   |   |   |   |   |   |   | X           |
| 57 |                           | Public Information                    | PWS Scenic Byway-- Nomination and Interpretive Plan                                       | X      |   |   | \$70                   | M                           |   |   |   |   |   |   |   |   | X           |
| 58 |                           | Public Information                    | PWS Video Programs  | X      |   |   | \$100                  | M                           |   |   |   |   |   |   |   |   | X           |
| 59 |                           | Public Information                    | Science of the Sound- Education Program   | X      |   |   | \$53                   | M                           |   | X |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|----|---------------------------|---------------------------------------|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|    |                           |                                       |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 60 | Harbor Seal               | Cooperative Program-Fishermen         |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 61 |                           | Monitoring                            | Monitoring Trends in Abundance of Harbor Seals in PWS   | X      |   |   | \$39                   | M                           | X |   |   |   |   |   |   |   |             |
| 62 |                           | Option Not Identified                 | Subsistence Harvest Assistance  | X      |   |   | \$23                   | M                           |   |   |   |   |   |   |   |   | X           |
| 63 |                           | Option Not Identified                 | Habitat Use and Behavior of Harbor Seals in PWS   | X      |   |   | \$165                  | 93 - M                      | X |   |   |   |   |   |   |   |             |
| 64 |                           | Recovery Monitoring                   | Habitat Use, Monitoring, Population Modelling, and Information Synthesis                      | X      | X | X | \$230                  | M                           | X |   |   |   |   |   |   |   |             |
|    |                           |                                       |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|    |                           |                                       |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 65 | Harlequin Duck            | Eliminate Oil from Mussel Beds        |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   | X           |
| 66 |                           | Monitoring                            | Harlequin Duck Recovery Monitoring, Population Modelling and Habitat Information Synthesis    | X      | X | X | \$700                  | 93 - M                      | X |   |   |   |   |   |   |   |             |
| 67 |                           | Option Not Identified                 | Quantification of Stream Habitat for Harlequin Ducks from Remotely Sensed Data                | X      | X | X | \$53                   | M                           | X |   |   |   |   |   |   |   |             |
|    |                           |                                       |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|    |                           |                                       |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 68 | Intertidal                | Accelerate Recovery of Intertidal     | Deposit Sand on Cleaned Beaches, to Promote Clam Recruitment-Feasibility Study                | X      | X | X | \$20                   | M                           |   |   |   |   |   |   |   |   | /           |
| 69 |                           | Accelerate Recovery of Intertidal     | Fucus Restoration Feasibility Study   | X      | X | X | \$70                   | M                           |   |   |   |   |   |   |   |   | /           |
| 70 |                           | Accelerate Recovery of Intertidal     | Restoration of High-Intertidal Fucus  | X      | X | X | \$300                  | M                           |   |   |   |   |   |   |   |   | /           |
| 71 |                           | Accelerate Recovery of Intertidal     | Beach Subsurface Oil Recovery   | X      | X | X | \$50                   | M                           |   |   |   |   |   |   |   |   | /           |
| 72 |                           | Accelerate Recovery of Intertidal     | Hydrodynamic Purging of Oil from Contaminated Beaches, PWS                                    | X      |   |   | \$500                  | M                           |   |   |   |   |   |   |   |   | /           |
| 73 |                           | Accelerate Recovery of Intertidal     | Rapid Restoration of Weathered Crude Contaminated Beach Subsurface Material                   | X      | X | X | \$800                  | M                           |   |   |   |   |   |   |   |   | /           |
| 74 |                           | Accelerate Recovery of Intertidal     | Restore Shorelines Injured by Beach Berm Relocation   | X      | X | X |                        | M                           |   |   |   |   |   |   |   |   | /           |
| 75 |                           | Monitoring                            | Coastal Habitat Injury Assessment - Intertidal Algae  | X      | X | X | \$620                  | M                           |   |   |   |   |   |   |   |   | /           |
| 76 |                           | Monitoring                            | Fate and Transport of Subsurface Hydrocarbons in Beach Deposits in PWS                        | X      |   |   | \$600                  | M                           |   |   |   |   |   |   |   |   | /           |
| 77 |                           | Monitoring                            | Coastal Habitat Comprehensive Intertidal Monitoring Program                                   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   | /           |
| 78 |                           | Monitoring                            | Hydrocarbons in Mussels from Coastal Gulf of Alaska, Cook Inlet and Shelikof Strait           |        | X | X | \$200                  | M                           |   |   |   |   |   |   |   |   | /           |
| 79 |                           | Monitoring                            | Intertidal/Shallow Subtidal Crustacean (Decapod) Composition                                  | X      | X | X | \$275                  | M                           |   |   |   |   |   |   |   |   | /           |
| 80 |                           | Monitoring                            | Long-Term Monitoring -Acute and Chronic Toxicity of Residual Hydrocarbons to Littleneck Clams | X      | X | X | \$50                   | M                           |   |   |   |   |   |   |   |   | /           |
| 81 |                           | Monitoring                            | Monitoring for Recruitment of Littleneck Clams  | X      | X | X | \$186                  | M                           |   |   |   |   |   |   |   |   | /           |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: Randall W. Davis  
 Phone: 409 740 4528

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 82  | Intertidal                | Monitoring                            | Monitoring Sites - Collector Beaches and Lagoons   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |             |
| 83  |                           | Monitoring                            | Natural Recovery of Oiled and Treated Shorelines and Monitoring                            | X      | X | X | \$600                  | M                           |   |   |   |   |   |   |   |   |             |
| 84  |                           | Monitoring                            | Quantification of Intertidal Algal Recovery Using Multispectral Digital Remote Sensing     | X      | X | X | \$195                  | M                           |   |   |   |   |   |   |   |   |             |
| 85  |                           | Monitoring                            | Recovery Monitoring of Intertidal Oiled Mussel Beds  | X      | X | X | \$500                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 86  |                           | Monitoring                            | Herring Bay Experimental and Monitoring Studies  | X      |   |   | \$495                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 87  |                           | Option Not Identified                 | Bivalve Shellfish Rehabilitation Project   | X      | X | X | \$860                  | M                           |   |   |   |   |   |   |   |   |             |
| 88  |                           | Option Not Identified                 | Clam Enhancement   | X      | X | X | \$120                  | M                           |   |   |   |   |   |   |   |   |             |
| 89  |                           | Option Not Identified                 | Replacement of Oiled Mussels with Commercially Produced Mussels                            | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |             |
| 90  |                           | Option Not Identified                 | Restoration of Mussel Beds   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |             |
| 91  |                           | Option Not Identified                 | Characterization of Near-Shore Bottom Habitat  | X      | X | X | \$237                  | M                           |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 92  | Killer Whale              | Monitoring                            | Photo-Identification Studies of PWS Killer Whales  | X      |   |   | \$120                  | 93 - M                      | / |   |   |   |   |   |   |   |             |
| 93  |                           | Monitoring                            | Recovery Monitoring  | X      |   |   | \$125                  | M                           | / |   |   |   |   |   |   |   |             |
| 94  |                           | Monitoring                            | Use of Satellite Transmitters to Investigate Killer Whale Ecology in PWS                   | X      |   |   | \$180                  | M                           | / |   |   |   |   |   |   |   |             |
| 95  |                           | Reduce Fishery Interactions           | Change Black Cod Fishery Gear  | X      |   |   |                        | M                           |   |   |   |   |   |   |   |   | /           |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 96  | Marbled Murrelet          | Habitat Protection                    | Identification of Nesting Habitat Criteria and Reproductive Success for Marbled Murrelet   | X      | X | X | \$240                  | 93 - M                      | / |   |   |   |   |   |   |   |             |
| 97  |                           | Habitat Protection                    | Survey to Identify Upland Use by Murrelets   | X      | X | X | \$180                  | 93 - M                      | / |   |   |   |   |   |   |   |             |
| 98  |                           | Habitat Protection                    | Assessment of Marbled Murrelet Foraging Habitat Requirements During Breeding Season        | X      | X | X | \$250                  | M                           | / |   |   |   |   |   |   |   |             |
| 99  |                           | Habitat Protection                    | Marbled Murrelet Nesting and Feeding Site Characterization and Assessment                  | X      | X | X | \$509                  | M                           | / |   |   |   |   |   |   |   |             |
| 100 |                           | Minimize Incidental Take              |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 101 |                           | Recovery Monitoring                   | Determine Status of Marbled Murrelet Populations In Kenai Fjords and Katmai National Parks |        | X | X | \$200                  | M                           | / |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 102 | Marbled Murrelet          | Restoration Monitoring                | Survey to Monitor Recovery of Marbled Murrelets   | X      | X | X | \$250                  | M                           |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 103 | Multiple Resources        | Habitat Protection                    | Habitat Modelling   | X      | X | X | \$150                  | M                           |   |   |   |   |   |   |   |   |             |
| 104 |                           | Habitat Protection                    | Riparian Habitat Assessment   | X      | X | X | \$110                  | M                           |   |   |   |   |   |   |   |   |             |
| 105 |                           | Habitat Protection                    | Stream Channel Capability Modeling  | X      | X | X | \$110                  | M                           |   |   |   |   |   |   |   |   |             |
| 106 |                           | Habitat Protection                    | Stream Habitat Assessment   | X      | X | X | \$361                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 107 |                           | Habitat Protection                    | Valdez Hazardous Waste Collection   | X      |   |   | \$200                  | 1                           |   |   |   |   |   |   |   |   |             |
| 108 |                           | Habitat Protection                    | Vegetation and Stream Classification and Mapping  | X      | X | X | \$276                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 109 |                           | Habitat Protection                    | Wetland Habitat Classification, Mapping and Assessment                                  | X      | X | X | \$100                  | M                           |   |   |   |   |   |   |   |   |             |
| 110 |                           | Habitat Protection                    | Characterization and Identification of Habitat Important to Upland Species              | X      | X | X | \$750                  | M                           |   |   |   |   |   |   |   |   |             |
| 111 |                           | Habitat Protection and Acquisition    | Inholdings in Alaska Maritime National Wildlife Refuge                                  |        | X | X | \$111                  | 1                           |   |   |   |   |   |   |   |   |             |
| 112 |                           | Habitat Protection and Acquisition    | Inholdings in Alaska Peninsula National Wildlife Refuge                                 |        |   | X |                        | 1                           |   |   |   |   |   |   |   |   |             |
| 113 |                           | Habitat Protection and Acquisition    | Inholdings in Becharof National Wildlife Refuge   |        |   | X |                        | 1                           |   |   |   |   |   |   |   |   |             |
| 114 |                           | Habitat Protection and Acquisition    | Valdez Duck Flats   | X      |   |   |                        | 1                           |   |   |   |   |   |   |   |   |             |
| 115 |                           | Habitat Protection and Acquisition    | Inholdings in Kenai Fjords National Wildlife Refuge                                     |        | X |   | \$20                   | 1                           |   |   |   |   |   |   |   |   |             |
| 116 |                           | Habitat Protection and Acquisition    | Inholdings in Aniakchak National Monument and Preserve                                  |        |   | X |                        | 1                           |   |   |   |   |   |   |   |   |             |
| 117 |                           | Habitat Protection and Acquisition    | Kitoi Bay Hatchery Watershed Habitat Acquisition  |        |   | X | \$250                  | 1                           |   |   |   |   |   |   |   |   |             |
| 118 |                           | Habitat Protection and Acquisition    | Acquire Olsen Bay Watershed   | X      |   |   | \$3,500                | 1                           |   |   |   |   |   |   |   |   |             |
| 119 |                           | Habitat Protection and Acquisition    | Acquisition of Inholdings in Shuyak Island State Park                                   |        |   | X | \$200                  | 1                           |   |   |   |   |   |   |   |   |             |
| 120 |                           | Habitat Protection and Acquisition    | Acquisition of Koniag Corporation Inholdings within the Kodiak National Wildlife Refuge |        |   | X | \$77,000               | 1                           |   |   |   |   |   |   |   |   |             |
| 121 |                           | Habitat Protection and Acquisition    | Conservation Easement-Aialik Bay  |        | X |   | \$90                   | 1                           |   |   |   |   |   |   |   |   |             |
| 122 |                           | Habitat Protection and Acquisition    | Conservation Easement-Chugach Bay   |        | X |   | \$60                   | 1                           |   |   |   |   |   |   |   |   |             |
| 123 |                           | Habitat Protection and Acquisition    | Conservation Easement-Dogfish Bay   |        | X |   | \$400                  | 1                           |   |   |   |   |   |   |   |   |             |
| 124 |                           | Habitat Protection and Acquisition    | Conservation Easement-Port Chatham  |        | X |   | \$80                   | 1                           |   |   |   |   |   |   |   |   |             |
| 125 |                           | Habitat Protection and Acquisition    | Conservation Easement-Rock Bay  |        | X |   | \$740                  | 1                           |   |   |   |   |   |   |   |   |             |
| 126 |                           | Habitat Protection and Acquisition    | Habitat Acquisition   | X      | X | X | \$25,000               | 93 - 1                      |   |   |   |   |   |   |   |   |             |
| 127 |                           | Habitat Protection and Acquisition    | Habitat Acquisition, Afognak  |        |   | X | \$112,500              | 1                           |   |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: Randall W. Davis  
 Phone: 409 740 4528

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
|     |                           |                                       |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 |             |
| 128 | Multiple Resources        | Habitat Protection and Acquisition    | Habitat Acquisition, Kodiak Island  |             |             | X           | \$20,000               | 1                           |        |        | /      |        |        |        |        |        |             |
| 129 |                           | Habitat Protection and Acquisition    | Habitat Acquisition, North Afognak Island   |             |             | X           | \$4,000                | 1                           |        |        | /      |        |        |        |        |        |             |
| 130 |                           | Habitat Protection and Acquisition    | Kodiak Bear Refuge Stream Mouth Inholdings Acquisition                                      |             |             | X           | \$1,000                | 1                           |        |        | /      |        |        |        |        |        |             |
| 131 |                           | Increase Natural Food Supply          |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 132 |                           | Intensify Management                  | Develop Management Strategy for Enhancing Recovery Rate of Bird and Sea Otter Populations   | X           | X           | X           | \$50                   | M                           |        |        |        |        |        |        |        |        | /           |
| 133 |                           | Intensify Management                  | Genetic Risk Assessment of Injured Salmonids  | X           | X           | X           | \$408                  | M                           |        |        |        |        |        |        |        |        | /           |
| 134 |                           | Intensify Management                  | Restoration and Mitigation of Essential Wetland Habitats for PWS Fish and Wildlife          | X           |             |             | \$200                  | M                           |        |        |        |        |        |        |        |        | /           |
| 135 |                           | Intensify Management                  | Restoration of Second Growth Habitat for Wildlife in PWS                                    | X           |             |             | \$40                   | M                           |        |        |        |        |        |        |        |        | /           |
| 136 |                           | Intensify Management                  | Seabird Colony Restoration  | X           | X           | X           | \$250                  | M                           |        |        |        |        |        |        |        |        | /           |
| 137 |                           | Intensify Management                  | Stock Identification of Chum, Sockeye and Chinook Salmon in PWS                             | X           |             |             | \$250                  | M                           |        |        |        |        |        |        |        |        | /           |
| 138 |                           | Monitoring                            | Shoreline Worm Life Monitoring  | X           | X           | X           | \$388                  | M                           |        |        |        |        |        |        |        |        | /           |
| 139 |                           | Option Not Identified                 | Instream Habitat and Stock Restoration Techniques for Anadromous Fish                       | X           | X           | X           | \$416                  | M                           |        |        |        |        |        |        |        |        | /           |
| 140 |                           | Option Not Identified                 | Alaska Land and Wildlife Conservation Fund  | X           | X           | X           | one billion            | M                           |        |        | /      |        |        |        |        |        | /           |
| 141 |                           | Option Not Identified                 | Field Study of Bioremediation Enhancement Treatment Methods                                 | X           | X           | X           | \$280                  | M                           |        |        |        |        |        |        |        |        | /           |
| 142 |                           | Option Not Identified                 | Oil Spill Injured Resources Literature Research and Review                                  | X           | X           | X           | \$7                    | M                           |        |        |        |        |        |        |        |        | /           |
| 143 |                           | Option Not Identified                 | Analyze Natural Resource Damage Assessment Samples Left Un-Analyzed                         | X           | X           | X           | \$650                  | 1                           |        |        |        |        |        |        |        |        | /           |
| 144 |                           | Option Not Identified                 | Identification of Seabird Feeding Areas from Remotely Sensed Data and Impact on Restoration | X           | X           | X           | \$48                   | M                           |        |        | /      |        |        |        |        |        | /           |
| 145 |                           | Option Not Identified                 | Shoreline Assessment  | X           | X           | X           | \$250                  | 93 - M                      |        |        |        |        |        |        |        |        | /           |
| 146 |                           | Option Not Identified                 | Uganik River Fish Counting Weir - Brown Bear and Other Wildlife Food Study                  |             |             | X           | \$28                   | M                           |        |        |        |        |        |        |        |        | /           |
| 147 |                           | Recovery Monitoring                   | Comprehensive Monitoring Program, Plan and Administer                                       | X           | X           | X           | \$500                  | 93 - M                      |        |        |        |        |        |        |        |        | /           |
| 148 |                           | Recovery Monitoring                   | Cook Inlet Comprehensive Monitoring Program   |             | X           |             | \$800                  | M                           |        |        |        |        |        |        |        |        | /           |
| 149 |                           | Recovery Monitoring                   | Full Funding for Oil Spill Recovery Institute   | X           | X           | X           | \$2,300                | 1                           |        |        |        |        |        |        |        |        | /           |
| 150 |                           | Recovery Monitoring                   | Injured Resource Food Supply  | X           | X           | X           | \$850                  | M                           |        |        |        |        |        |        |        |        | /           |
| 151 |                           | Recovery Monitoring                   | Inventory, Monitor, Protect Permanent Study Sites   | X           | X           | X           | \$500                  | M                           |        |        |        |        |        |        |        |        | /           |
| 152 |                           | Recovery Monitoring                   | Long-Term Monitoring of Marine Environment of Resurrection Bay                              |             | X           |             | \$600                  | M                           |        |        |        |        |        |        |        |        | /           |
| 153 |                           | Recovery Monitoring                   | Migratory Shore Birds Staging in Rocky Intertidal Habitats of PWS                           | X           |             |             | \$80                   | M                           |        |        |        |        |        |        |        |        | /           |
| 154 |                           | Recovery Monitoring                   | Migratory Waterfowl and Shorebird Monitoring  | X           | X           | X           | \$150                  | M                           |        |        |        |        |        |        |        |        | /           |
| 155 |                           | Recovery Monitoring                   | Monitor Population Status of Seabird Nesting Colonies in the Spill Zone                     | X           | X           | X           | \$100                  | M                           |        |        | /      |        |        |        |        |        | /           |
| 156 |                           | Recovery Monitoring                   | Restoration Recovery Monitoring of Stream-Rearing Anadromous Salmonids                      | X           | X           | X           | \$200                  | M                           |        |        | /      |        |        |        |        |        | /           |
| 157 |                           | Recovery Monitoring                   | Survey to Determine Abundance Distribution, Habitat, and Food Habits of Staging Shore Birds | X           |             |             | \$35                   | M                           |        |        | /      |        |        |        |        |        | /           |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION  | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|--|--|--------|---|---|------------------------|----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |  |  | P      | K | K |                        |                            | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 158 | Multiple Resources        | Recovery Monitoring                    | Survey to Determine Distribution, Abundance, and Food Habits of Staging Migratory Waterfowl  | X      |   |   | \$91                   | M                          |   |   | / |   |   |   |   |   |             |
| 159 |                           | Recovery Monitoring                    | Surveys to Monitor Marine Bird and Sea-Otter Populations                                     | X      | X | X | \$275                  | 93 - M                     | / |   |   |   |   |   |   |   |             |
| 160 |                           | Reduce Disturbance by Field Presence   |  |        |   |   |                        |                            |   |   |   |   |   |   |   |   |             |
| 161 |                           | Reduce Disturbance Through Public Info | Public Information and Education   | X      | X | X | \$316                  | M                          |   |   |   |   |   |   |   |   | /           |
| 162 |                           | Reduce Disturbance Through Public Info | Publish and Distribute Brochures on Injured Species  | X      | X | X | \$50                   | M                          |   |   |   |   |   |   |   |   | /           |
| 163 |                           | Restoration Monitoring                 | Abundance and Distribution of Forage Fish and Their Influence on Recovery of Injured Species | X      | X | X | \$500                  | M                          |   |   |   |   |   |   |   |   | /           |
| 164 |                           | Restoration Monitoring                 | Ecosystem Study  | X      | X | X | \$6,000                | M                          |   |   |   |   |   |   |   |   | /           |
|     |                           |  |  |        |   |   |                        |                            |   |   |   |   |   |   |   |   |             |
|     |                           |  |  |        |   |   |                        |                            |   |   |   |   |   |   |   |   |             |
| 165 | Pacific Herring           | Intensify Management                   | Genetic Stock Identification for Herring in PWS  | X      |   |   | \$205                  | M                          |   |   |   |   |   |   |   |   | /           |
| 166 |                           | Intensify Management                   | Herring Spawn Deposition, Egg Loss, and Reproductive Impairment                              | X      |   |   | \$400                  | M                          |   |   |   |   |   |   |   |   | /           |
| 167 |                           | Intensify Management                   | PWS Herring Tagging Feasibility Study  | X      |   |   | \$112                  | M                          |   |   |   |   |   |   |   |   | /           |
| 168 |                           | Monitoring                             | Herring Embryo Viability Evaluation - Natural and Catastrophic Effects                       | X      |   |   | \$189                  | M                          |   |   |   |   |   |   |   |   | /           |
| 169 |                           | Monitoring                             | Larval Herring Age and Growth in PWS Using Otoliths  | X      |   |   | \$60                   | M                          |   |   |   |   |   |   |   |   | /           |
| 170 |                           | Option Not Identified                  | Enhancement of Pacific Herring   | X      | X | X | \$120                  | M                          |   |   |   |   |   |   |   |   | /           |
| 171 |                           | Restoration Monitoring                 |  |        |   |   |                        |                            |   |   |   |   |   |   |   |   | /           |
|     |                           |  |  |        |   |   |                        |                            |   |   |   |   |   |   |   |   |             |
|     |                           |  |  |        |   |   |                        |                            |   |   |   |   |   |   |   |   |             |
| 172 | Pigeon Guillemot          | Monitoring                             | Pigeon Guillemot Colony Survey   | X      | X | X | \$40                   | 93 - M                     | / |   |   |   |   |   |   |   |             |
| 173 |                           | Monitoring                             | Pigeon Guillemot Recovery Enhancement and Monitoring   | X      | X | X | \$180                  | M                          | / |   |   |   |   |   |   |   |             |
| 174 |                           | Restoration Monitoring                 |  |        |   |   |                        |                            |   |   |   |   |   |   |   |   |             |
| 175 |                           | Temporary Predator Control             |  |        |   |   |                        |                            |   |   |   |   |   |   |   |   |             |
|     |                           |  |  |        |   |   |                        |                            |   |   |   |   |   |   |   |   |             |
|     |                           |  |  |        |   |   |                        |                            |   |   |   |   |   |   |   |   |             |

Name: Randall W. Davis  
 Phone: 409 740 4528

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION    | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|--|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |  |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
|     |                           |  |   | S      | E | O |                        |                             | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 |             |
| 176 | Pink Salmon               | Fish Passes and Access                   | Feasibility of Fish Passes as Oil Spill Restoration   | X      | X | X | \$25                   | M                           |   |   |   |   |   |   |   |   | ✓           |
| 177 |                           | Fish Passes and Access                   | Horse Marine Creek Pink Salmon Restoration  |        |   | X | \$28                   | 1                           |   |   |   |   |   |   |   |   | ✓           |
| 178 |                           | Fish Passes and Access                   | Otter Creek Fish Pass   | X      |   |   | \$130                  | 1                           |   |   |   |   |   |   |   |   | ✓           |
| 179 |                           | Fish Passes and Access                   | Pink Creek Pink Salmon Restoration  |        |   | X | \$11                   | 1                           |   |   |   |   |   |   |   |   | ✓           |
| 180 |                           | Fish Passes and Access                   | Sockeye Creek Fish Pass   | X      |   |   | \$60                   | 1                           |   |   |   |   |   |   |   |   | ✓           |
| 181 |                           | Fish Passes and Access                   | Waterfall Creek Pink Salmon Restoration-Fish Improvement                                      |        |   | X | \$55                   | 1                           |   |   |   |   |   |   |   |   | ✓           |
| 182 |                           | Improve Survival Rates                   | Fry Rearing to Improve Survival and Restore Wild Pink and Chum Salmon Stocks                  | X      | X | X | \$727                  | M                           |   |   |   |   |   |   |   |   | ✓           |
| 183 |                           | Intensify Management                     | Adult Tagging to Determine Distribution, Migratory Timing and Rate of Movement of Pink Salmon | X      |   |   | \$495                  | M                           |   |   |   |   |   |   |   |   | ✓           |
| 184 |                           | Intensify Management                     | Coded Wire Tag Recoveries from Commercial Catches in PWS Salmon Fisheries                     | X      |   |   | \$855                  | M                           |   |   |   |   |   |   |   |   | ✓           |
| 185 |                           | Intensify Management                     | Coded Wire Tagging of Wild Stock Pink Salmon for Stock Identification                         | X      |   |   | \$500                  | M                           |   |   |   |   |   |   |   |   | ✓           |
| 186 |                           | Intensify Management                     | Inventory and Effect of Straying Hatchery Pink Salmon on Wild Pink Salmon Population          | X      |   |   | \$253                  | M                           |   |   |   |   |   |   |   |   | ✓           |
| 187 |                           | Intensify Management                     | Otolith Marking - Inseason Stock Separation Tool to Reduce Wild Stock Salmon Exploitation     | X      | X | X | \$152                  | M                           |   |   |   |   |   |   |   |   | ✓           |
| 188 |                           | Intensify Management                     | Pink Salmon Escapement Enumeration  | X      | X | X | \$705                  | M                           |   |   |   |   |   |   |   |   | ✓           |
| 189 |                           | Intensify Management                     | PWS Salmon Stock Genetics   | X      |   |   | \$150                  | M                           |   |   |   |   |   |   |   |   | ✓           |
| 190 |                           | Intensify Management                     | Quality Assurance for PWS Coded Wire Tagging and Fish Production Records                      | X      |   |   | \$66                   | M                           |   |   |   |   |   |   |   |   | ✓           |
| 191 |                           | Monitoring                               | Investigating and Monitoring Oil Related Egg and Alevin Mortalities                           | X      | X |   | \$686                  | M                           |   |   |   |   |   |   |   |   | ✓           |
| 192 |                           | Monitoring                               | Restoration Monitoring and Preservation of Wild Populations of Pink Salmon                    | X      | X |   | \$899                  | M                           |   |   |   |   |   |   |   |   | ✓           |
| 193 |                           | Monitoring                               | Injury to Salmon Eggs and Pre-emergent Fry in PWS, Laboratory Verification                    | X      |   |   | \$141                  | M                           |   |   |   |   |   |   |   |   | ✓           |
| 194 |                           | Monitoring                               | Pink Salmon Egg to Pre-Emergent Fry Survival in PWS   | X      |   |   | \$385                  | 93 - M                      |   |   |   |   |   |   |   |   | ✓           |
| 195 |                           | Monitoring                               | Monitoring Early Marine Growth of Juvenile Salmon in Prince William Sound                     | X      |   |   | \$50                   | M                           |   |   |   |   |   |   |   |   | ✓           |
| 196 |                           | Option Not Identified                    | Pink Salmon Stream Enhancement in Prince William Sound, Lower Cook Inlet and Kodiak           | X      | X | X | \$300                  | M                           |   |   |   |   |   |   |   |   | ✓           |
|     |                           |  |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |  |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 197 | Recreation                | Establish Marine Environmental Institute | Build Research and Monitoring Facilities and Program/Cook Inlet, Kodiak                       |        | X | X | \$1,250                | M                           |   |   |   |   |   |   |   |   | ✓           |
| 198 |                           | Establish Marine Environmental Institute | Oiled Wildlife Rehabilitation Center  | X      | X | X | \$6,000                | 1                           | ✓ |   |   |   |   |   |   |   |             |
| 199 |                           | Establish Marine Environmental Institute | Seward Sea Life Center  | X      | X | X | \$40,000               | 1                           |   |   | ✓ |   |   |   |   |   |             |
| 200 |                           | Habitat Protection and Acquisition       | 17(b) Easement Identification-Public Access   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |             |
| 201 |                           | Habitat Protection and Acquisition       | Acquisition of Important Recreation Lands   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |             |

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>OR<br>SERVICE | RESTORATION OPTION<br>OR<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |     |     | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 2  | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|--------|-----|-----|------------------------|-----------------------------|----|----|----|----|----|----|----|----|-------------|
|     |                           |                                       |  | PWS    | KEN | KOD |                        |                             | 94 | 95 | 96 | 97 | 98 | 99 | 00 | 01 |             |
| 202 | Recreation                | Habitat Protection and Acquisition    | Acquisition of Recreational Sites on Kodiak Road System                              |        |     | X   | \$500                  | 1                           |    |    |    | /  |    |    |    |    |             |
| 203 |                           | Habitat Protection and Acquisition    | Land Exchange Shuyak for Kodiak Land on Road System                                  |        |     | X   | \$70                   | 1                           |    |    |    | /  |    |    |    |    |             |
| 204 |                           | Habitat Protection and Acquisition    | Shelter Cove, Cordova Restoration Project  | X      |     |     | \$50                   | M                           |    |    |    | /  |    |    |    |    |             |
| 205 |                           | Monitoring                            | Assessment of Economic Injuries to Wilderness-Based Tourism                          | X      | X   | X   | \$100                  | M                           |    |    |    |    |    |    |    |    | /           |
| 206 |                           | Monitoring                            | Post-Oil Spill Recreation-Based User Survey for PWS                                  | X      |     |     | \$58                   | M                           |    |    |    |    |    |    |    |    | /           |
| 207 |                           | Monitoring                            | Recreation Field Management and Monitoring   | X      | X   | X   | \$700                  | M                           |    |    |    |    |    |    |    |    | /           |
| 208 |                           | New Backcountry Recreation Facilities | Enhanced Trail Opportunities, Including Columbia and Blackstone Glacier Trails       | X      |     |     | \$150                  | 1                           |    |    |    |    |    |    |    |    | /           |
| 209 |                           | New Backcountry Recreation Facilities | Green Island Cabin Replacement   | X      |     |     | \$20                   | 1                           |    |    |    |    |    |    |    |    | /           |
| 210 |                           | New Backcountry Recreation Facilities | Improve Marine Parks   | X      | X   | X   | \$100                  | M                           |    |    |    |    |    |    |    |    | /           |
| 211 |                           | New Backcountry Recreation Facilities | Low Impact Recreation Development Nellie Juan, College Fiord Wilderness Study Area   | X      |     |     | \$100                  | 1                           |    |    |    |    |    |    |    |    | /           |
| 212 |                           | New Backcountry Recreation Facilities | Prince William Sound Campground  | X      |     |     | \$70                   | 1                           |    |    |    |    |    |    |    |    | /           |
| 213 |                           | New Backcountry Recreation Facilities | Public Use Cabins in State Marine Parks  | X      | X   | X   | \$150                  | M                           |    |    |    |    |    |    |    |    | /           |
| 214 |                           | New Backcountry Recreation Facilities | PWS Kayak Trail  | X      |     |     | \$100                  | 1                           |    |    |    |    |    |    |    |    | /           |
| 215 |                           | New Backcountry Recreation Facilities | PWS Recreation Facilities  | X      |     |     | \$250                  | 1                           |    |    |    |    |    |    |    |    | /           |
| 216 |                           | Option Not Identified                 | Development of Gulf of Alaska Recreation Plan  |        | X   | X   | \$140                  | 1                           |    |    |    |    |    |    |    |    | /           |
| 217 |                           | Option Not Identified                 | Implement Prince William Sound Area Recreation Plan                                  | X      |     |     | \$400                  | M                           |    |    |    |    |    |    |    |    | /           |
| 218 |                           | Option Not Identified                 | Sustainable Tourism in PWS   | X      |     |     | \$240                  | M                           |    |    |    |    |    |    |    |    | /           |
| 219 |                           | Option Not Identified                 | Watchable Wildlife   | X      | X   | X   | \$65                   | M                           |    |    |    |    |    |    |    |    | /           |
| 220 |                           | Option Not Identified                 | Increased Access PWS   | X      |     |     | \$100                  | M                           |    |    |    |    |    |    |    |    | /           |
| 221 |                           | Plan Commercial Recreation Facilities | Recreation Development   | X      | X   | X   | \$200                  | M                           |    |    |    |    |    |    |    |    | /           |
| 222 |                           | Restoration Monitoring                |  |        |     |     |                        |                             |    |    |    | /  |    |    |    |    |             |
| 223 |                           | Visitor Center                        | Bird and Mammal Specimens, University of Alaska Museum                               | X      | X   | X   | \$77                   | M                           |    |    |    | /  |    |    |    |    |             |
| 224 |                           | Visitor Center                        | Center for PWS Oil Spill and Natural Resource Education                              | X      |     |     |                        | 1                           |    |    |    | /  |    |    |    |    |             |
| 225 |                           | Visitor Center                        | Coastal Habitat Specimens, University of Alaska Museum                               | X      | X   | X   | \$310                  | M                           |    |    |    | /  |    |    |    |    |             |
| 226 |                           | Visitor Center                        | Cordova Environmental Education Center   | X      |     |     | \$15                   | 1                           |    |    |    |    |    |    |    |    | /           |
| 227 |                           | Visitor Center                        | Cordova Mini-Imaginarium   | X      |     |     | \$63                   | 1                           |    |    |    |    |    |    |    |    | /           |
| 228 |                           | Visitor Center                        | Develop Video Library of Intertidal Habitat and Biota to Assess Impacts              | X      | X   | X   | \$155                  | M                           |    |    |    |    |    |    |    |    | /           |
| 229 |                           | Visitor Center                        | Environmental Education Center in PWS  | X      |     |     | \$90                   | 1                           |    |    |    | /  |    |    |    |    |             |
| 230 |                           | Visitor Center                        | Environmental Learning Resource Center   | X      | X   | X   | \$90                   | 1                           |    |    |    | /  |    |    |    |    |             |
| 231 |                           | Visitor Center                        | Establish Natural Resource Library and Computer Support Technical Service in Cordova | X      |     |     | \$450                  | 1                           |    |    |    |    |    |    |    |    | /           |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: Randall W. Davis  
 Phone: 409 740 4528

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |    |    | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do   |
|-----|---------------------------|---------------------------------------|---|--------|----|----|------------------------|-----------------------------|---|---|---|---|---|---|---|---|------|
|     |                           |                                       |   | P      | K  | K  |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | Not  |
|     |                           |                                       |   | S      | EN | OD |                        |                             | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | Fund |
| 232 | <b>Recreation</b>         | Visitor Center                        | Information Center  | X      | X  | X  | \$600                  | 1                           |   |   |   |   |   |   |   |   | ✓    |
| 233 |                           | Visitor Center                        | Interpretation of PWS   | X      |    |    | \$10                   | M                           |   |   | ✓ |   |   |   |   |   | ✓    |
| 234 |                           | Visitor Center                        | Maritime Wing Valdez Museum   | X      |    |    | \$150                  | 1                           |   |   |   |   |   |   |   |   | ✓    |
| 235 |                           | Visitor Center                        | Multi-agency Library on PWS and Copper River Delta  | X      |    |    | \$150                  | 1                           |   |   |   |   |   |   |   |   | ✓    |
| 236 |                           | Visitor Center                        | Valdez Visitor Center   | X      |    |    | \$850                  | 1                           |   |   |   |   |   |   |   |   | ✓    |
|     |                           |                                       |   |        |    |    |                        |                             |   |   |   |   |   |   |   |   |      |
|     |                           |                                       |   |        |    |    |                        |                             |   |   |   |   |   |   |   |   |      |
| 237 | <b>River Otter</b>        | Monitoring                            | River Otter Recovery Monitoring   | X      |    |    | \$180                  | M                           |   |   | ✓ |   |   |   |   |   |      |
| 238 |                           | Monitoring                            | Synthesis of Information on Ecology and Injury to River Otters in PWS                     | X      |    |    | \$40                   | M                           |   |   | ✓ |   |   |   |   |   |      |
| 239 |                           | Restoration Monitoring                |   |        |    |    |                        |                             |   |   |   |   |   |   |   |   |      |
| 240 |                           | Sport/trap Harvest Guidelines         | Develop Harvest Guidelines to Aid Restoration of Injured Terrestrial Mammals and Seaducks | X      | X  | X  | \$99                   | 1                           |   |   | ✓ |   |   |   |   |   |      |
|     |                           |                                       |   |        |    |    |                        |                             |   |   |   |   |   |   |   |   |      |
|     |                           |                                       |   |        |    |    |                        |                             |   |   |   |   |   |   |   |   |      |
| 241 | <b>Rockfish</b>           | Intensify Management                  | Develop a Rockfish Management Plan  | X      | X  |    | \$175                  | M                           |   |   |   |   |   |   |   |   | ✓    |
| 242 |                           | Monitoring                            | Monitoring Injury to Rockfish in PWS  | X      |    |    | \$117                  | M                           |   |   |   |   |   |   |   |   | ✓    |
| 243 |                           | Monitoring                            |   |        |    |    |                        |                             |   |   |   |   |   |   |   |   |      |
|     |                           |                                       |   |        |    |    |                        |                             |   |   |   |   |   |   |   |   |      |
|     |                           |                                       |   |        |    |    |                        |                             |   |   |   |   |   |   |   |   |      |
| 244 | <b>Sea Otter</b>          | Cooperative Prgm-Subsistence Users    |   |        |    |    |                        |                             |   |   |   |   |   |   |   |   |      |
| 245 |                           | Habitat Protection (Public Land)      | Habitat Utilization by Sea Otters and Designation of Protected Areas                      | X      | X  | X  | \$83                   | M                           | ✓ |   |   |   |   |   |   |   |      |
| 246 |                           | Monitoring                            | Monitoring of Sea Otter Population Abundance, Distribution, Reproduction, and Mortality   | X      | X  | X  | \$337                  | M                           | ✓ |   |   |   |   |   |   |   |      |
| 247 |                           | Monitoring                            | Radio-Telemetry Project to Monitor Recovery of Sea Otters                                 | X      | X  | X  | \$450                  | M                           | ✓ |   |   |   |   |   |   |   |      |
| 248 |                           | Monitoring                            | Sea Otter Population Dynamics   | X      | X  | X  | \$291                  | 93 - M                      | ✓ |   |   |   |   |   |   |   |      |
| 249 |                           | Restoration Monitoring                |   |        |    |    |                        |                             |   |   |   |   |   |   |   |   |      |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 250 | Sea Otter                 | Study: Eliminate Oil from Mussel Beds |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 251 | Sockeye Salmon            | Fish Passes and Access                | Solf Lake Fish Pass  | X      |   |   | \$120                  | M                           |   |   |   |   |   |   |   |   | /           |
| 252 |                           | Intensify Management                  | Develop and Deploy In-River Hydroacoustic Counters for Sockeye Salmon in the Kenai River |        | X |   | \$333                  | M                           |   |   |   |   |   |   |   |   | /           |
| 253 |                           | Intensify Management                  | Genetic Monitoring of Kodiak Island Sockeye Salmon                                       |        |   | X | \$275                  | M                           |   |   |   |   |   |   |   |   | /           |
| 254 |                           | Intensify Management                  | Genetic Stock Identification of Kenai River Sockeye                                      |        | X |   | \$500                  | 93 - M                      |   |   |   |   |   |   |   |   | /           |
| 255 |                           | Intensify Management                  | Kenai River Sockeye Salmon Restoration   |        | X |   | \$1,000                | 93 - M                      |   |   |   |   |   |   |   |   | /           |
| 256 |                           | Intensify Management                  | Lower Cook Inlet Sockeye Salmon Restoration and Enhancement                              |        | X |   | \$143                  | M                           |   |   |   |   |   |   |   |   | /           |
| 257 |                           | Monitoring                            | Ayakulik River Sockeye Salmon Escapement Evaluation                                      |        |   | X | \$6                    | M                           |   |   |   |   |   |   |   |   | /           |
| 258 |                           | Monitoring                            | Sockeye Salmon Overescapement  |        | X | X | \$641                  | 93 - M                      |   |   |   |   |   |   |   |   | /           |
| 259 |                           | Option Not Identified                 | Restoration of the Coghill Lake Sockeye Salmon Stock                                     | X      |   |   | \$165                  | 93 - M                      |   |   |   |   |   |   |   |   | /           |
| 260 |                           | Option Not Identified                 | Red Lake Salmon Restoration  |        |   | X | \$72                   | M                           |   |   |   |   |   |   |   |   | /           |
| 261 | Sport Fishing             | Recovery Monitoring                   |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 262 |                           | Replace Harvest Opportunities         | Fort Richardson Hatchery Improvement   |        | X |   | \$4,200                | 1                           |   |   |   |   |   |   |   |   | /           |
| 263 |                           | Restoration Monitoring                |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 264 | Subsistence               | Access to Traditional Foods           |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   | /           |
| 265 |                           | Bivalve Shellfish Hatchery            |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   | /           |
| 266 |                           | Option Not Identified                 | Chenega Bay Subsistence Restoration Project (Remove Oil)                                 | X      |   |   | \$200                  | M                           |   |   |   |   |   |   |   |   | /           |
| 267 |                           | Option Not Identified                 | Mariculture Hatchery and Research Center Feasibility Study and Design                    | X      | X | X | \$300                  | 1                           |   |   |   |   |   |   |   |   | /           |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: Randall W. Davis  
 Phone: 409 740 4528

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Not Fund |
|-----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|----------|
|     |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |          |
| 268 | Subsistence               | Option Not Identified                 | Mariculture Technical Center   | X      | X | X | \$2,200                | 1                           |   |   |   |   |   |   |   |   |          |
| 269 |                           | Option Not Identified                 | Seward Shellfish Hatchery  | X      | X | X | \$1,300                | 1                           |   |   |   |   |   |   |   |   |          |
| 270 |                           | Recovery Monitoring                   | Survey of Impacted Native Communities-Subsistence                                  | X      | X | X | \$700                  | M                           |   |   |   |   |   |   |   |   |          |
| 271 |                           | Replace Harvest Opportunities         | Chenega Bay Replacement Subsistence Resource Project                               | X      |   |   | \$50                   | M                           |   |   |   |   |   |   |   |   |          |
| 272 |                           | Replace Harvest Opportunities         | Chenega Chinook and Coho Release Program   | X      |   |   | \$55                   | M                           |   |   |   |   |   |   |   |   |          |
| 273 |                           | Replace Harvest Opportunities         | Port Graham Salmon Hatchery  |        | X |   | \$2,500                | 1                           |   |   |   |   |   |   |   |   |          |
| 274 |                           | Replace Harvest Opportunities         | Silver Lake Fish Hatchery  | X      |   |   | \$1,000                | 1                           |   |   |   |   |   |   |   |   |          |
| 275 |                           | Replace Harvest Opportunities         | Subsistence Harvest Replacement-Transport Subsistence Users to Unoiled Areas       | X      | X | X | \$55                   | M                           |   |   |   |   |   |   |   |   |          |
| 276 |                           | Restoration Monitoring                |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |          |
| 277 |                           | Subsistence Mariculture Sites         | Village Mariculture Project - Oyster Farming                                       | X      | X | X | \$589                  | M                           |   |   |   |   |   |   |   |   |          |
| 278 |                           | Test Subsistence Foods                | Assessment and Quality Assurance of Shellfish Resources                            | X      | X | X | \$300                  | M                           |   |   |   |   |   |   |   |   |          |
| 279 |                           | Test Subsistence Foods                | Subsistence Food Safety Testing  | X      | X | X | \$308                  | 93 - M                      |   |   |   |   |   |   |   |   |          |
| 280 | Subtidal                  | Habitat Protection                    | Juvenile Spot Shrimp Habitat Identification  | X      | X |   | \$110                  | M                           |   |   |   |   |   |   |   |   |          |
| 281 |                           | Intensify Management                  | PWS Spot Shrimp Recovery Management Plan   | X      |   |   | \$715                  | M                           |   |   |   |   |   |   |   |   |          |
| 282 |                           | Monitoring                            | PWS Spot Shrimp Survey   | X      |   |   | \$90                   | M                           |   |   |   |   |   |   |   |   |          |
| 283 |                           | Monitoring                            | Injury and Recovery of Deep-Benthic Macrofaunal Communities                        | X      | X | X | \$275                  | M                           |   |   |   |   |   |   |   |   |          |
| 284 |                           | Monitoring                            | Natural Recovery Monitoring of Subtidal Eelgrass Communities in PWS                | X      |   |   | \$265                  | 93 - M                      |   |   |   |   |   |   |   |   |          |
| 285 |                           | Monitoring                            | Recovery Monitoring of Hydrocarbon-Contaminated Subtidal Marine Sediment Resources | X      | X | X | \$390                  | M                           |   |   |   |   |   |   |   |   |          |
| 286 |                           | Monitoring                            | Subtidal Recovery Monitoring   | X      | X | X | \$400                  | M                           |   |   |   |   |   |   |   |   |          |
| 287 |                           | Restoration Monitoring                | Experimental Studies of Interaction Between Subtidal Epifaunal Invertebrates       | X      | X | X | \$90                   | M                           |   |   |   |   |   |   |   |   |          |
| 288 | Technical Services        | Administration                        | Electronic Archiving of Exxon Valdez Records                                       | X      | X | X | \$450                  | M                           |   |   |   |   |   |   |   |   |          |
| 289 |                           | Administration                        | Geographic Information System Mapping of Natural Resources in Western PWS          | X      |   |   | \$75                   | M                           |   |   |   |   |   |   |   |   |          |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1           | 1           | 1           | 1           | 1           | 1           | 2           | 2           | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|     |                           |                                       |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>3<br>4 | 9<br>3<br>5 | 9<br>3<br>6 | 9<br>3<br>7 | 9<br>3<br>8 | 9<br>3<br>9 | 0<br>0<br>0 | 0<br>0<br>1 |             |
| 290 | Technical Services        | Administration                        | Hydrocarbon Data Analysis and Interpretation  | X           | X           | X           | \$105                  | 93 - M                      |             |             | /           |             |             |             |             |             |             |
| 291 |                           | Administration                        | Toxicological Profile of PWS  | X           |             |             | \$150                  | M                           |             |             | /           |             |             |             |             |             |             |
| 292 |                           | Public Information                    | CD-ROM Publication of Digital Spatial Data from Exxon Valdez Oil Spill Mapping Activities | X           | X           | X           | \$8                    | M                           |             |             | /           |             |             |             |             |             |             |
| 293 |                           | Public Information                    | Database Integration  | X           | X           | X           | \$148                  | M                           |             |             | /           |             |             |             |             |             |             |
| 294 |                           | Public Information                    | Develop User Friendly Synopsis of Oil Spill Information                                   | X           | X           | X           |                        | M                           |             |             | /           |             |             |             |             |             |             |
| 295 |                           | Public Information                    | Providing Public Access to Oilspill GIS Databases Using Arcview in PC Windows Environment | X           | X           | X           | \$120                  | M                           |             |             | /           |             |             |             |             |             |             |
| 296 |                           | Public Information                    | Public Access Repository for Oil Spill Geographic Information System (GIS)                | X           | X           | X           | \$100                  | M                           |             |             | /           |             |             |             |             |             |             |
| 297 |                           | Public Information                    | User-Friendly GIS and Remote-Sensing Demonstration Center for Public-5 Communities        | X           | X           | X           | \$72                   | M                           |             |             | /           |             |             |             |             |             |             |
|     |                           |                                       |   |             |             |             |                        |                             |             |             |             |             |             |             |             |             |             |
|     |                           |                                       |   |             |             |             |                        |                             |             |             |             |             |             |             |             |             |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

u



UNIVERSITY OF ALASKA FAIRBANKS

**Department of Forest Sciences  
School of Agriculture and Land Resources Management**

Fairbanks, Alaska 99775-0080  
Phone (907) 474-7188 • FAX (907) 474-7439

May 20, 1993

Exxon Valdez Oil Spill Trustee Council  
Restoration Office  
645 G Street  
Anchorage, Alaska 99501

0137940521  
**RECEIVED**  
MAY 21 1993

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL

Members of the Trustee Council,

I would like to submit for your consideration the enclosed University of Alaska Fairbanks research proposal "Monitoring Natural Restoration Processes of Shoreline and Intertidal Resources at Green Island and Outer Prince William Sound" (AFES 93-23). I am offering this proposal to be included as a part of my comments in response to your notice of April 19, 1993 calling for comments on the 1994 Work Plan. This proposal represents a continuation and extension of a project that I have conducted. To the extent that I have been able to determine it appears to be high priority work that has not yet been addressed in the damage assessment and restoration work program. This project also meets the need identified in the February spill science meeting in Anchorage for long-term, background monitoring work.

I am prepared to begin work on the project according to the needs of your decision schedule.

Sincerely,

*Glenn Patrick Juday*  
Glenn Patrick Juday,  
Associate Professor of Forest Ecology  
Forest Sciences Department  
University of Alaska Fairbanks 99775-0080

**RECEIVED**  
OCT 02 1995

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL  
ADMINISTRATIVE RECORD

PROPOSAL TO

EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL

FROM

UNIVERSITY OF ALASKA FAIRBANKS  
AGRICULTURAL AND FORESTRY EXPERIMENT STATION

TITLE

MONITORING NATURAL RESTORATION PROCESSES OF SHORELINE AND  
INTERTIDAL RESOURCES AT GREEN ISLAND AND OUTER PRINCE WILLIAM  
SOUND

FEBRUARY 1993

Glenn Patrick Juday

Glenn Patrick Juday, Principal Investigator  
Associate Professor of Forest Ecology  
Phone: (907) 474-6717

Nora R. Foster

Nora R. Foster  
Co-Principal Investigator  
Coordinator of Aquatic Collections  
University of Alaska Museum

Charles E. Graham

for James V. Drew, Dean, School of  
Agriculture and Land Resources Management  
Phone: (907) 474-7083

C. E. Graham 5/20/93

Charles E. Graham, Director  
Office of Sponsored Programs

**AFES 93-23**

**PROPOSAL SUBMITTED TO THE  
EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL**

**Amount Requested: \$ 443,253 total**

**Start Date: July 1993**

**Title: Monitoring Natural Restoration Processes of Shoreline and Intertidal  
Resources at Green Island and Outer Prince William Sound**

**Principal Investigator: Glenn Patrick Juday  
SSN 305-54-9688**

**Co-Principal Investigator: Nora R. Foster**

# **Monitoring Natural Restoration Processes of Shoreline and Intertidal Resources at Green Island and Outer Prince William Sound**

## **Background and Rationale**

### Definition and Utility of Ecological Monitoring

Ecological monitoring can be thought of as the set of activities required to obtain disciplined observations of the status of either living or non-living components of an ecosystem to a specified level of precision and the archiving, reporting, and interpretation of the data. Monitoring has an intimate relationship with scientific research, although the two activities are not necessarily the same. Monitoring is a source of historical insight because it continues through time. Monitoring is especially flexible and often develops unexpected insights. Sometimes monitoring generates a data base that is sufficient to critically test a potential explanation (hypothesis) for an unusual set of observations, and at that point monitoring and research become one and the same activity.

### Proposal

We propose to continue and expand a project to monitor, interpret, and report on the biological diversity and ecological relationships of recovering intertidal and shoreline ecosystems of outer Prince William Sound affected by the Exxon Valdez oil spill, concentrating on Green Island (figure 1 ) and selected complementary sites.

### General Approaches to Ecological Monitoring

Several successful approaches can be taken to ecological monitoring, and many different plants, animals, or characteristics of the environment may be monitored for valid reasons (Orians 1986, Davis 1989). For example harvested species such as salmon which congregate in relatively easily observed groups, can be and usually are monitored. Species of high public interest, such as whales, are monitored out of concern for their own intrinsic value. The U.S. National Science Foundation supports a network of 17 Long Term Ecological Research sites across the U.S. (including 2 in Alaska) where complex basic ecological processes such as primary production and nutrient cycling are monitored (Callahan 1984).

In addition to monitoring in depth the status of a selected set of species, it is often desirable to monitor the total number of species present, or total biological diversity, as a measure of the health of the environment. This type of monitoring is relatively underdeveloped, and certainly underfunded when compared with the large budgets devoted to monitoring harvested species. When a complete picture of the total biological diversity is clear, it is often possible to interpret and understand how species interact and respond both with other species and with overall patterns in the physical environment. This knowledge provides an interpretive key for reporting the status or "health" of a system and a tool for identifying why there are different responses in different places to major events

such as the *Exxon Valdez* oil spill (Price et al. 1980).

#### This Proposal's Approaches to Monitoring

Our approach has a unique focus on biological diversity, and will provide some level of information on poorly known plants and animals that may actually play important roles in the ecosystem of south coastal Alaska. Although the importance of this approach is recognized, the capability of the U.S. scientific work force to perform species identification and classification work has declined steadily (Juday 1990). This project will help improve this situation by supporting a graduate student training project. We will note basic ecological interactions (competition, predator-prey, etc.) that either are established in previous research elsewhere or that will provide a basis for further investigations. We intend to take a long term view and build up a base of information about changes in diversity and interactions at our site with time.

Unlike terrestrial systems which show a pronounced decline in the average number of species in a gradient from the equator to the poles, the nearshore realm of the Pacific is still rich in species in southcentral Alaska compared, for example, to southern California (Ricketts et al. 1985). However, because additional taxonomic surveys need to be done in southcentral Alaska, the actual magnitude of the decline in species numbers is not clear. Documenting this phenomenon will be a potential contribution of this study.

We propose to look in depth at a representative region of the Sound rather than try to cover the entire area affected by the *Exxon Valdez* oil spill. Our study area can be comprehensively monitored, and is at risk from potential future oil spills. We feel that the area and topic we propose to work on are appropriately scaled and practical, but of broad applicability.

Our proposal is based upon a study that was initiated previously, although it is currently halted for lack of funding. We intend our project to complement others that *Exxon Valdez* Trustee Council has funded or may fund in response to its damage assessment and restoration mandate (Trustee Council 1991). Both state and federal wildlife and resource management agencies, have the mandate to monitor harvested species and high public interest species (marine mammals etc.). Through this proposal we recommend that *Exxon Valdez* Trustee Council recognize and support unmet needs for recovery and restoration studies in the fields such as biological diversity.

#### Responsiveness to Identified Research and Monitoring Needs

Our proposal fulfills several recommendations on research needs from a 1990 conference sponsored by the Prince William Sound Science Center (1991), especially the following.

Basic inventories of organisms and environmental factors affecting them are needed for ocean and terrestrial systems.

Studies are needed of major special events and changes in Prince William Sound, specifically the 1964 earthquake uplift and 1989 *Exxon Valdez* oil spill.

Long-term ecosystem studies are needed including those with an interactive approach.

Long-term oil spill studies are needed focusing on near-shore and beach ecosystems.

## **The Study Area**

We propose to conduct our monitoring at Green Island and Little Green Island, with a control (unoiled) site on Hinchinbrook Island. We will examine the potential for limited comparative work at other sites. Green Island is located in outer Prince William Sound (figure 1). A portion of Green Island and Little Green Island (see figure 2) are a proposed Research Natural Area (RNA), a permanent land use designation that would dedicate the area to long-term scientific and educational use (USDA Forest Service 1984). The RNA will be established upon approval of an Establishment Record by the Chief of the Forest Service which has been prepared and is under review. In 1986 we began a project to document the biological diversity features of Green Island RNA. In late March 1989 oil from the *Exxon Valdez* arrived at Green Island (Photo 1).

Oil at Green Island produced a variety of short-term effects typical of many areas of the spill (for example Photo 2). Although obvious signs of oil declined dramatically by the summer of 1990, oil and tar remained trapped in many localities at Green Island (Photo 3), and longer-term effects began to appear (Photo 4).

### Suitability of Green Island

Green Island is an ideal location to monitor resources at risk from oil transportation systems for the following reasons.

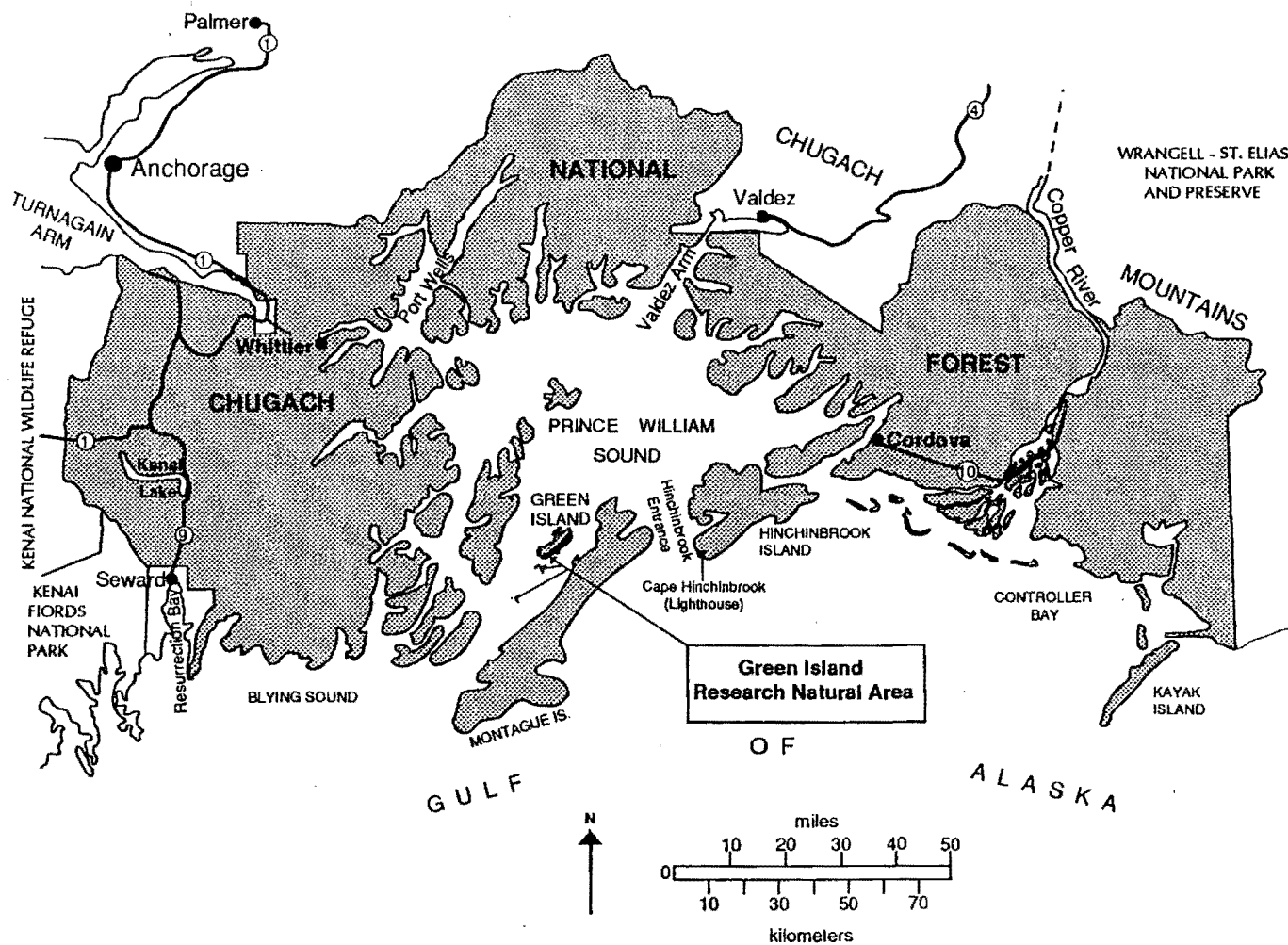
Green Island experienced a diversity of oiling conditions (light sheen to very heavy oil cover; beach clean-up operations and untreated shoreline) in a compact area.

Because of predominant current patterns (Galt and Payton 1990) Green Island is likely to be affected by any future hazardous material released into Prince William Sound shipping lanes (figure 3).

A diversity of habitats - terrestrial, shoreline, and intertidal - and many organisms (at least 63 birds [author's count, see also Isleib and Kessel 1973]) are present on Green Island. Foster (1987 and unpublished) discovered three marine invertebrate species at Green Island beyond their previously known distribution limits.

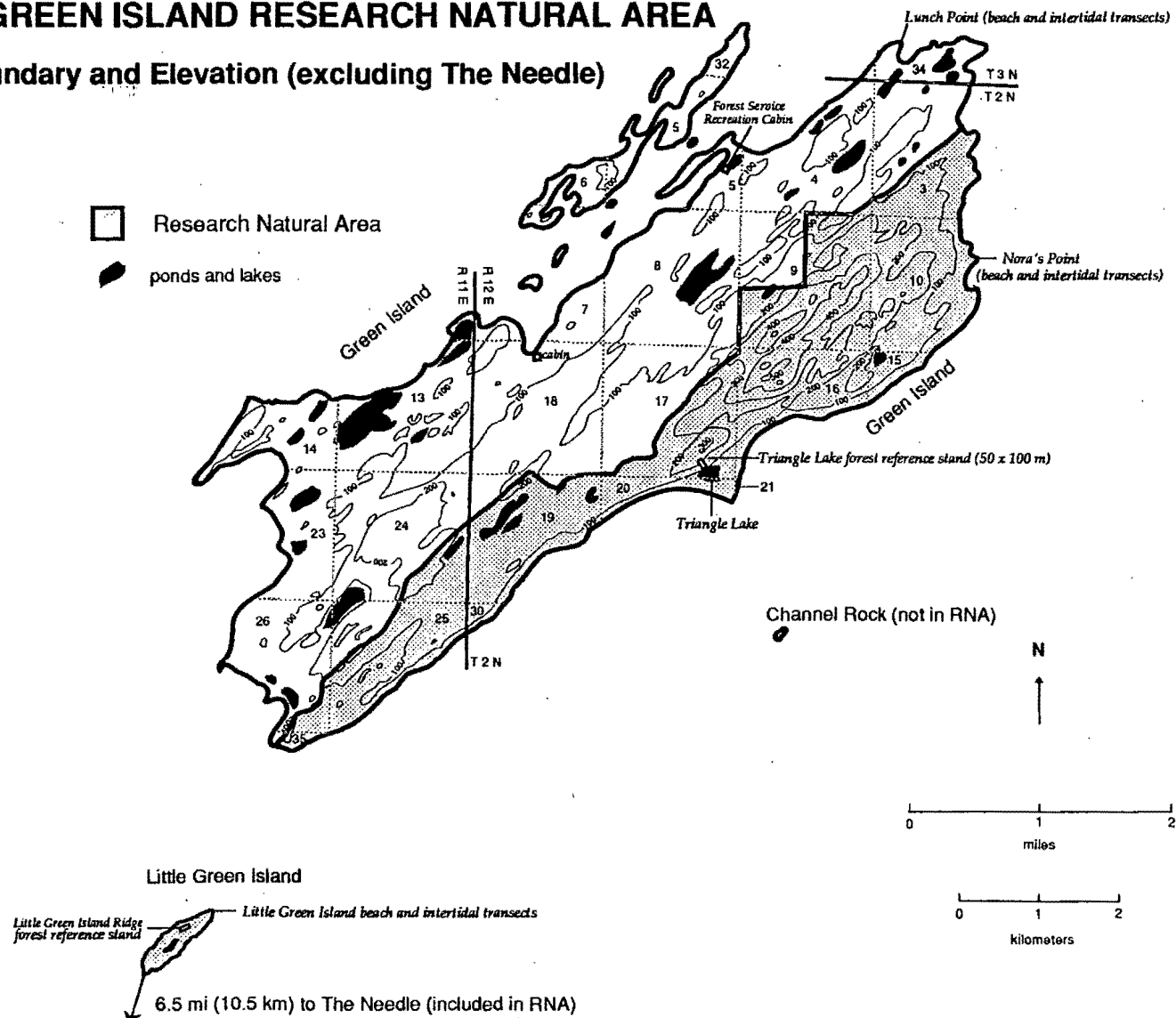


**Figure 1 PRINCE WILLIAM SOUND AND SOUTH CENTRAL ALASKA**

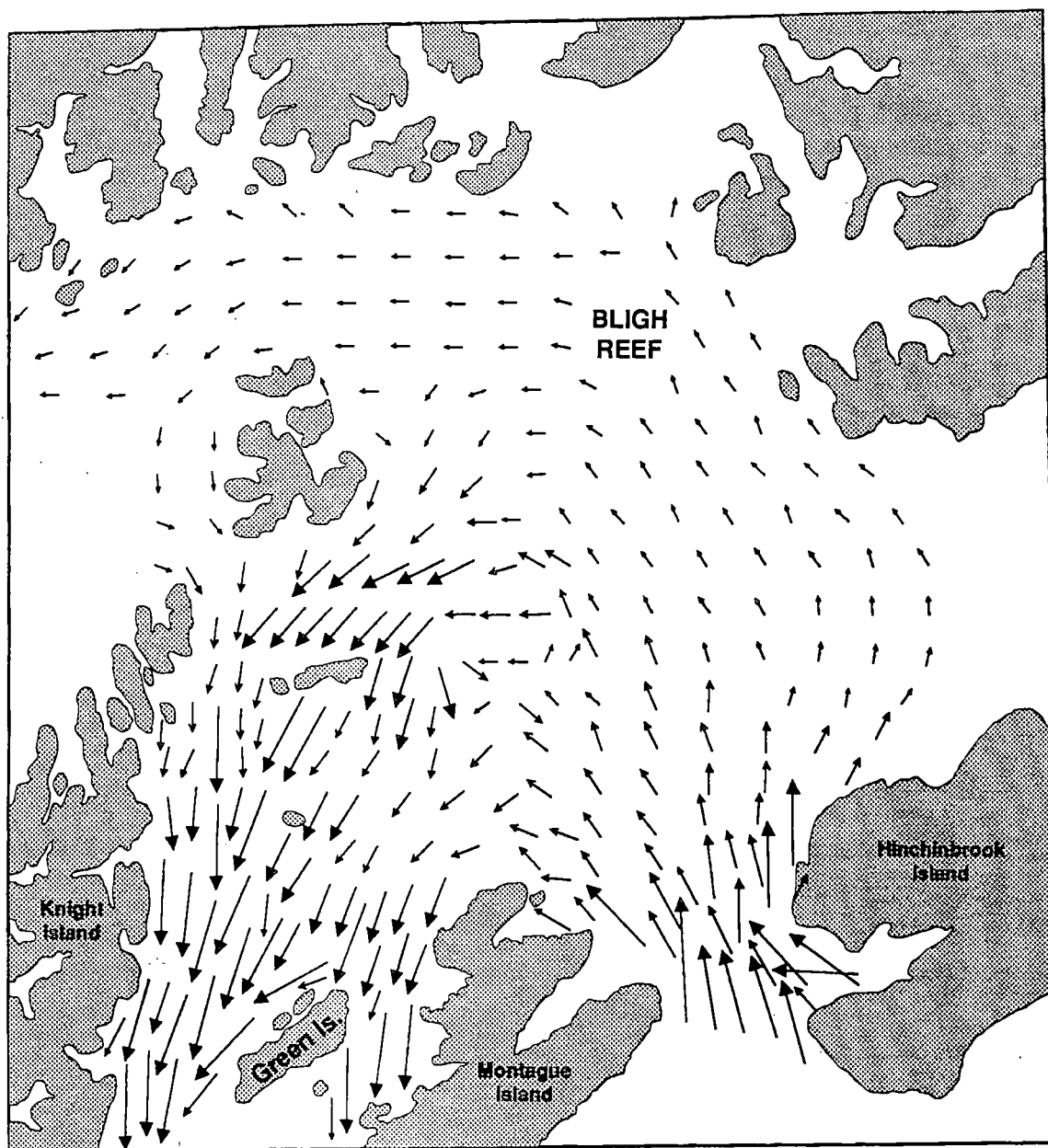


**Figure 2 GREEN ISLAND RESEARCH NATURAL AREA**

**Boundary and Elevation (excluding The Needle)**



**Figure 3 MEAN CURRENT PATTERN IMMEDIATELY FOLLOWING  
EXXON VALDEZ OIL SPILL, MARCH 1989**



Source: Galt and Payton (1990)



Photo 1. Oil from Exxon Valdez moving through Montague Strait, March 29, 1989. View is looking northwest between Little Green Island (left middleground) and the southern tip of Green Island (right). Snow-capped peaks in background are higher elevations on Knight Island.





Photo 2. Extensive necrosis (death) of surfgrass (*Phyllospadix serrulatus*) in intertidal zone on Little Green Island, June 1990. Mortality of surfgrass is greatest on top of the patch where the oily tide coated it, but substantial portions at the bottom of the patch that were sheltered by the upper mat remain alive.





Photo 3. A buried oil or tar patch at Lunch Point on Green Island exposed for this picture by turning over a medium-sized rock (note the boot to the left for scale). The oil in this patch settled into a depositional microenvironment in the days immediately after the spill. Winter storms in 1989-90 then deposited boulders and gravel over the top, sequestering the oil. High-precision mapping of August 1989 allowed this patch to be immediately relocated in 1990 even though no trace of oil was visible at the surface then.





Photo 4. A varnish-like coating of black on blue mussel (*Mytilus edulis*), Nora's Point on Green Island, June 1990. White pen points to the byssus (fibrous threads) that normally reinforce a natural cement holding the mussel shell tight against rock. At this date nearly all tar-stained blue mussels are only loosely attached with byssus completely exposed.

Historically Green Island has been an important research area; additional studies can build on previous work. Detailed inventories of sea otters, harbor seals, sea lions, and colonial-nesting sea birds are available for several years before the spill (Calkins et al. 1975). Sea otters were intensively studied as the oil arrived at Green Island and in the years since, as have most large vertebrates, but those studies are classified as litigation-sensitive at this time.

We have already begun a monitoring project on Green Island that can serve as a foundation for expanded and continuing studies.

Land use on Green Island is already committed to long-term scientific research and education, including monitoring.

#### Significant Features of Green Island and Outer Prince William Sound

Green Island contains a great diversity of significant, and sensitive resources. The southwest Prince William Sound region was one of nine areas in the world where sea otters survived near-extinction in the early 20th century (Chanin 1985). Green Island and Little Green Island have provided important habitat for sea otters for many years, and more studies of sea otters were conducted at Green Island than any other location in south coastal Alaska (Kenyon 1969, Pitcher and Vania 1973, Garshelis 1983, Garshelis and Siniff 1983, Garshelis 1984, Garshelis and Garshelis 1984, Garshelis et al. 1984, Garshelis et al. 1986, Johnson 1987, VanBlaricom 1987, Irons et al. 1988). The islands are surrounded by shallow bedrock shelves that support highly productive and species-rich intertidal and subtidal kelp forest ecosystems. Kelp forest production is the basis for the food web that supports sea otter (Duggins et al. 1989). Isolated islands within the RNA are used as haul-out sites for the Steller sea lion, a Threatened species, and pupping and resting sites the harbor seal, a declining species (Pitcher 1989) of management concern. The islands are particularly attractive to marine mammals because they are exposed to few or no land predators yet have easy access to productive marine foraging habitat.

Green Island is a major Pacific herring spawning area (ADF&G), has several colonies of marine birds (Sowls et al. 1978), and is part of the most northerly migratory bird overwintering area (Prince William Sound) in North America (Kessel and Gibson 1978).

Green and Little Green Islands are vertically tilted sandstones and shales of the Orca Formation (Dumoulin 1987) and exhibit several features of turbidite rocks including sole markings, rip-up, load casts, and conglomerates (Lethcoe 1990). Wave erosion of coastal bluffs on Green Island maintains bedrock exposures and illustrates particularly well the differential erosion resistance of the turbidite units, which strongly affects the shoreline and intertidal habitat conditions of the area. The islands were uplifted over 2 m by the 1964 Great Alaska earthquake (Plafker 1969, 1990). A zone of forest



and beach succession on the uplifted terrace parallels the shoreline (Eyerdam 1971, Juday 1987).

### Our Previous Green Island Study

In August 1989 we began a monitoring project at Green and Little Green Islands funded by university time we donated to the project, re-programmed Forest Service funds for the documentation of natural diversity features of Green Island RNA, and a small University of Alaska Sea Grant travel grant. selected three study locations, Lunch Point, Nora's Point, and Little Green Island (fig. 2). The last two were localities where we had done taxonomic surveys in 1986.

At each site we established horizontal beach transects to map the extent and distribution of oil (Photo 5). Mapping extended from about MHHW (or 3 m above tidal datum) inland to the line of alder shrubs. Patches of oil along the beach larger than 30 cm along either axis were mapped in their entirety. The extent of oil coverage along the beach was mapped in percent cover classes. In the intertidal zone, we established 3 parallel transects oriented perpendicular to the shoreline. Along each transect line we established plots of 0.5 m x 0.5 m at vertical intervals of 1.0 m to determine the condition of marine organisms and communities (figure 4A, 4B, 4C). We photographed the intertidal plots and took notes and made collections of the plants and animals present, and noted the oiling condition. We made cover and abundance measurements from 8" x 10" black and white prints of the photos. Both the horizontal and vertical transects were permanently marked. During an extreme high tide stage we observed patches of oil or tar that were stranded on the lower beach to determine the potential for oil remobilization.

Our 1989 first-year results at Green Island (Juday and Foster 1990) revealed that:

- 1) the natural background condition of shoreline and intertidal ecosystems is exceptionally dynamic; there is no stable background condition (Photo 6);
- 2) oil spill effects were concentrated in predictable portions of the intertidal and lower beach zone that relate to tidal heights on the day the oil arrived and shortly after;
- 3) the oil spill reduced the abundance (measured as cover) of live plants and animals in proportion to the amount of oil that coated the beaches; and
- 4) not all organisms have been affected equally by the spill.

In June 1991 we returned to Green Island and re-monitored our plots (Juday and Foster 1991). Our 1990-season remonitoring work revealed that:

- 1) Nearly all the beach oil and tar of 1989 was naturally removed or buried in accreting gravel zones (Photo 3);



Photo 5. Re-monitoring the permanent shoreline transect at Lunch Point on the northern tip of Green Island. Precise relocation of features along the shoreline is obtained from measurements taken perpendicular to a white tapeline. Tapeline is strung between permanently marked locations 25 meters apart, parallel to the shore.





Photo 6. Dense concentration of Pisaster ocracea (Sea stars) at Green Island, August 1989. Intertidal systems at Green Island do not exhibit a stable base line condition. In July 1986, there were no sea stars visible in this portion of Green Island.

Figure 4A. GREEN ISLAND INTERTIDAL TRANSECTS AT LUNCH POINT

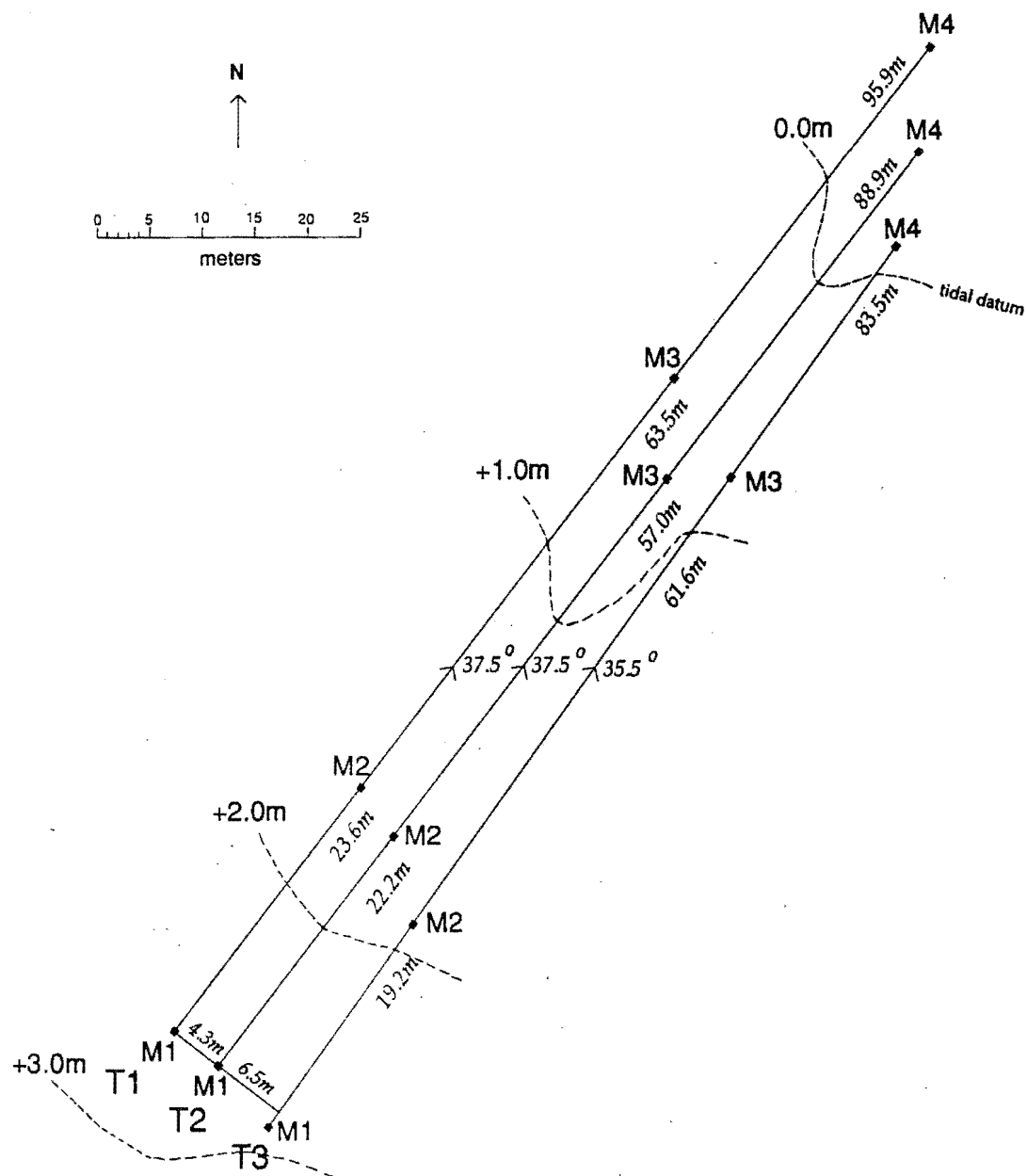
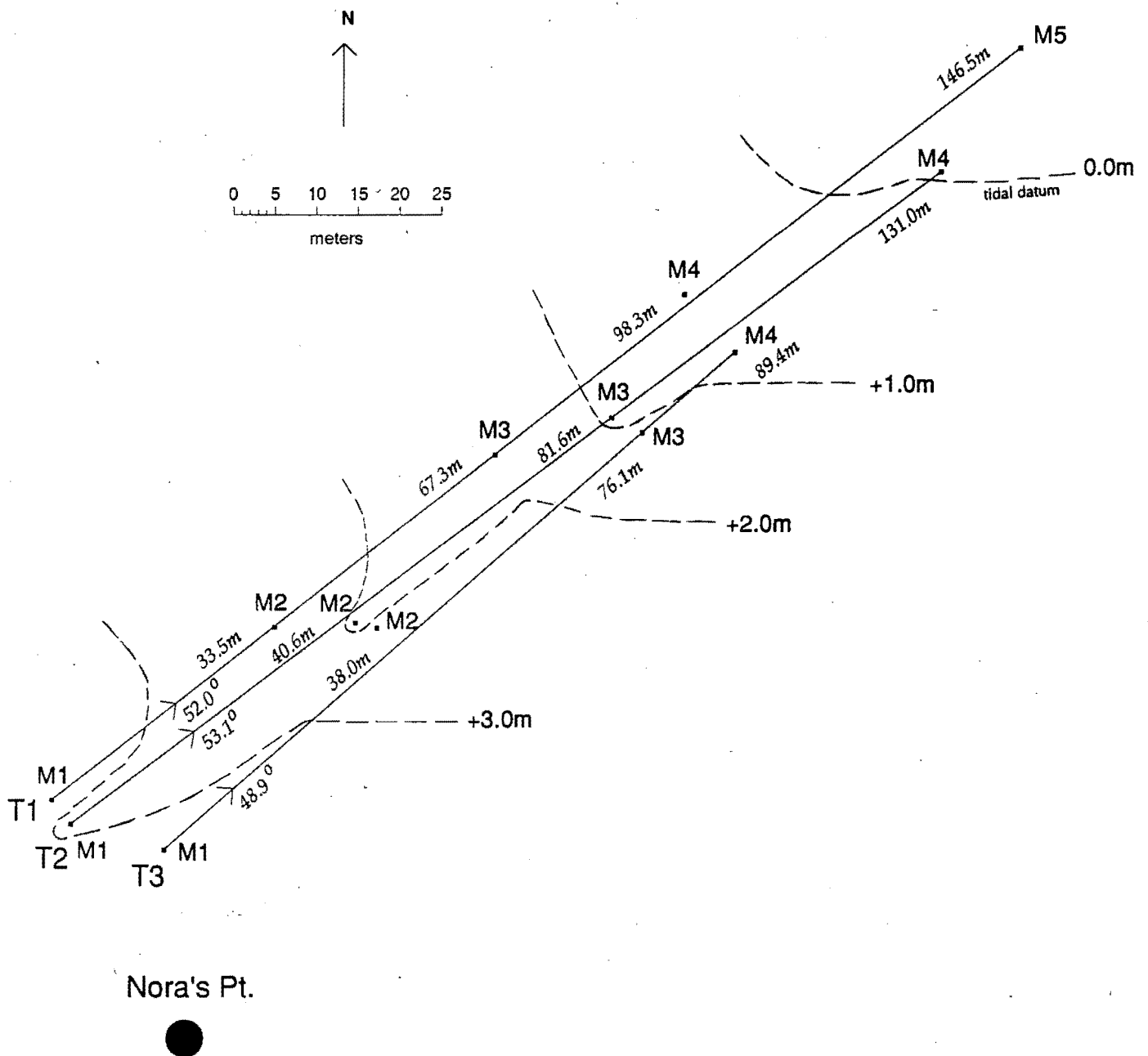
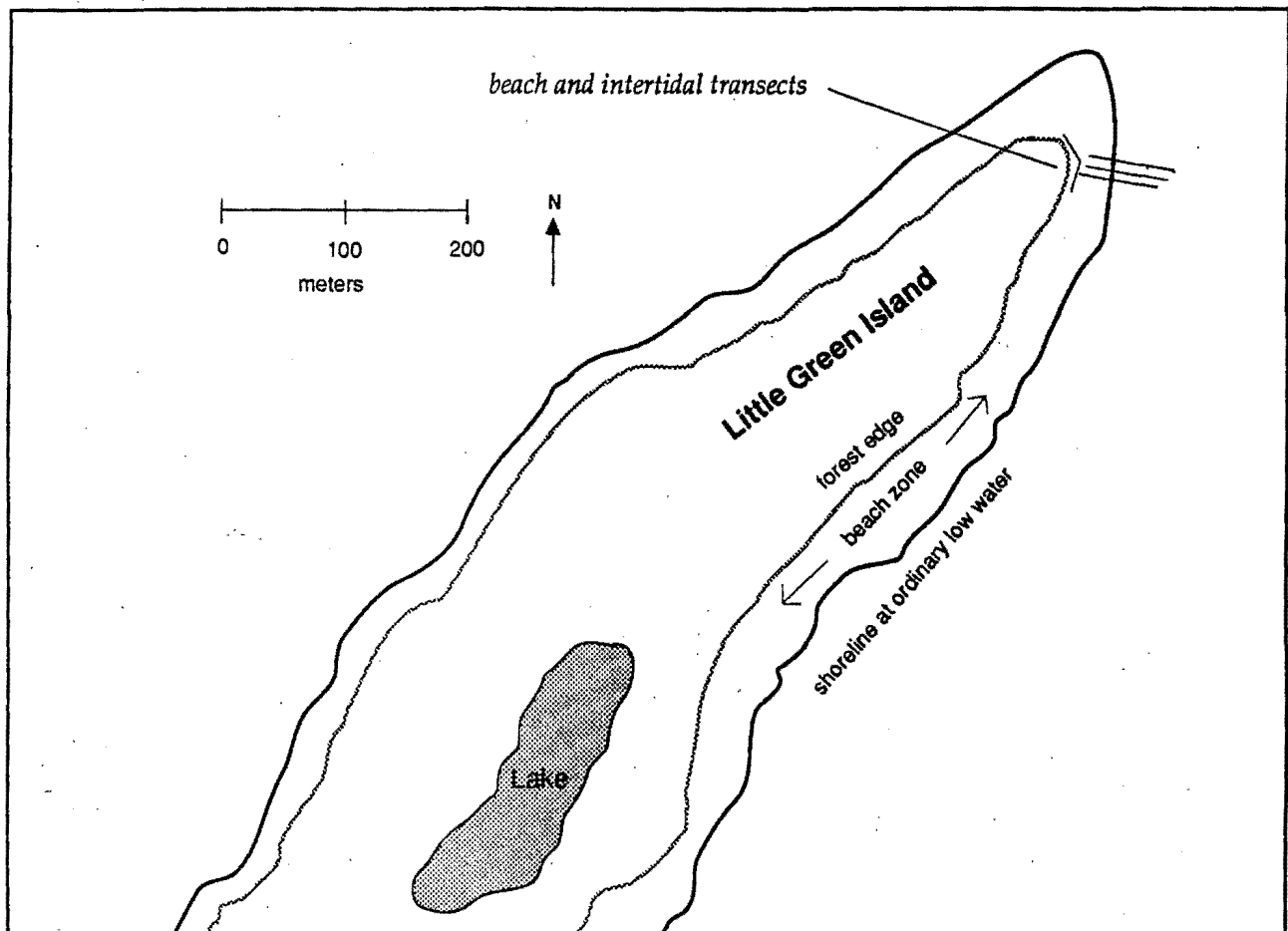
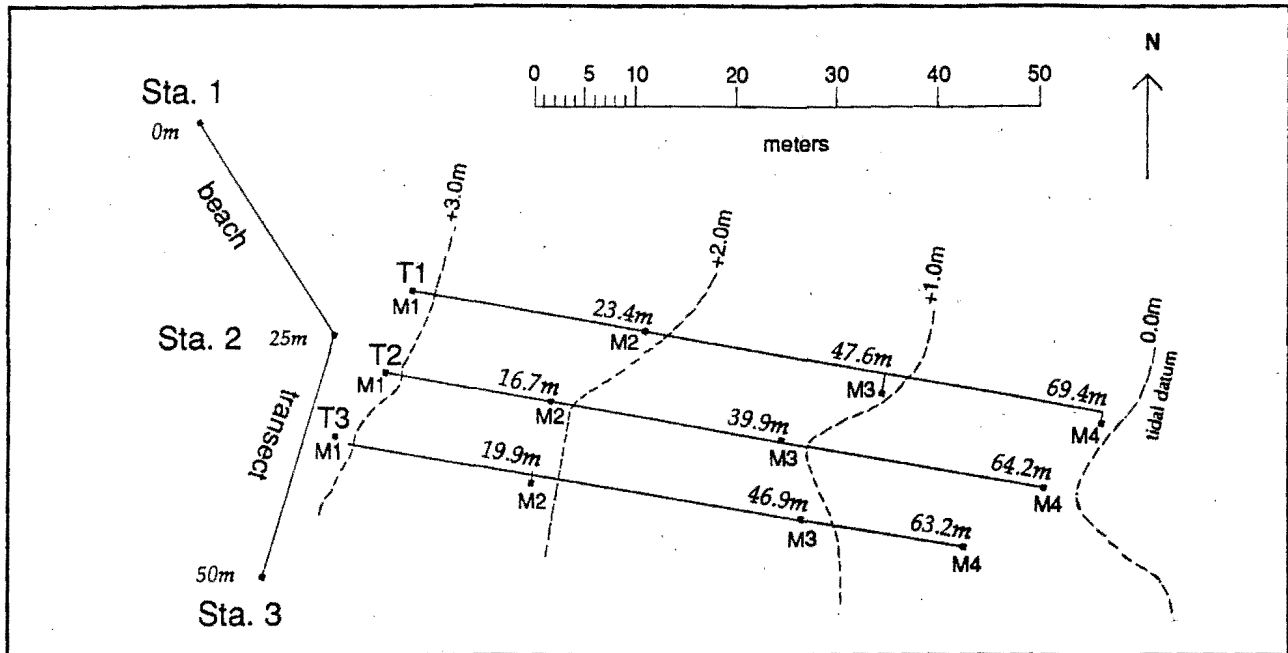


Figure 4B. GREEN ISLAND INTERTIDAL TRANSECT AT NORA'S POINT





**Figure 4C. GREEN ISLAND INTERTIDAL TRANSECTS AT LITTLE GREEN ISLAND**



- 2) The recolonization of intertidal organisms, especially barnacle sets and *Fucus* plants, was underway,
- 3) Changes in the intertidal community, especially delayed mortality probably due to the oil spill, were still occurring in 1990, so that both recovery and oil spill effects were interacting, and
- 4) Remobilization of buried oil may cause additional damage, although the risk in our study area would not be as great as leakage from unweathered oil sealed in fine sediments.

Appendix 1 is a list of the species we encountered in intertidal habitats in 1986 compared to 1989. A nearly complete vascular plant flora, including shoreline and upland nearshore habitats, has been developed for the RNA Establishment Record. Eyerdam (1971) provided a list of terrestrial shoreline species encountered in the second growing season following the 1964 earthquake uplift of Green Island.

## **Proposed Project Approaches and Methods**

### A: Project overview

There are three main elements to successful data collection in a biotic monitoring project:

- 1) establishing high-resolution spatial control in order to be able to relocate individual small areas and organisms,
- 2) positively identifying species to ensure that changes seen between monitoring dates are properly assigned among species, and
- 3) quantifying the abundance of species.

We propose to be involved in the project ourselves, to develop a Ph.D.-level graduate thesis project in cooperation with the Institute of Marine Science at the University of Alaska Fairbanks, to involve the newly hired UAF faculty Geographic Information Systems (GIS) specialist, and hire field and lab assistants to be involved in the work (see Budget for details).

To date our Green Island project has concentrated on tasks 1 and 2; we propose to expand that work at Green Island and establish an unoiled control site on Hinchinbrook Island. We have been impressed with the dynamic forces in the surf zone and have already experienced a significant loss of our permanent plot markers. Rehabilitation of markers is an important continuing task.

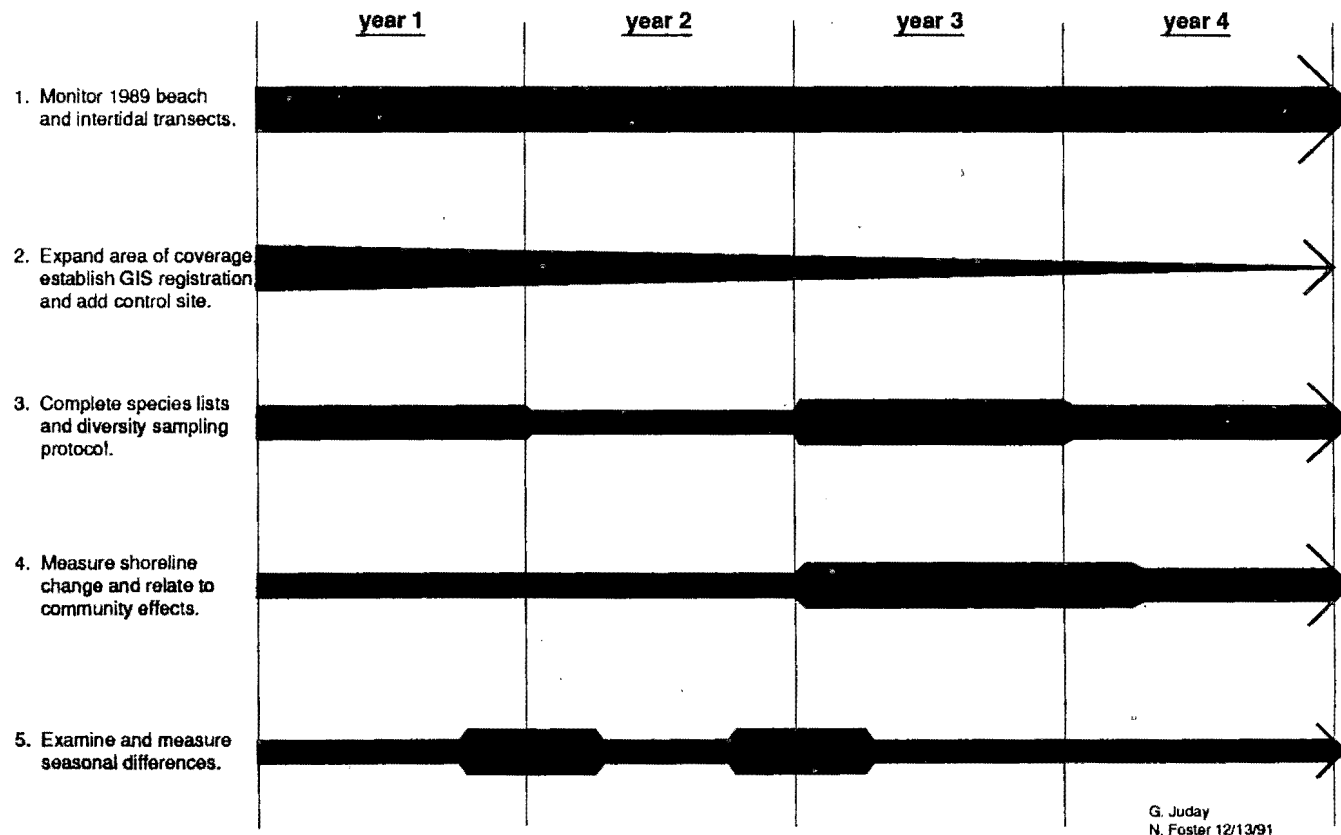
Our monitoring involves 3 separate projects:

intertidal transects  
beach zone mapping  
beach profile deposition

To accomplish our objectives we have identified 5 project tasks. Figure 5 shows the relative work effort and scheduling for the tasks.

1. Update beach and intertidal transects. We propose to monitor our original transects in field season 1992, and thus be able to immediately begin to report some results. We will establish spatial control on the study locations by registering control points from Global Positioning Satellite (GPS) receivers. Intensive study locations will be grided and entered into the Arc Info GIS system.
2. Expand the area of coverage and obtain an unoiled control site. A serious drawback to our existing data base is the lack of an unoiled control site. We have identified a suitable area on Hinchinbrook Island and propose to establish a replicate monitoring installation early on in the project. We also are convinced of the need to expand the size of the plots we are monitoring to collect more data for the field effort and to overcome a large natural variability term.
3. Complete a biosystematic survey, species lists, and design a protocol to resample with the same intensity for the future. A master species list is a cumulative product, but we believe it is necessary to design a species diversity sampling protocol that can be repeated at intervals with some confidence of comparability.
4. Measure beach dynamics and shoreline change. The development of gravel beaches is poorly understood (Sherman 1991) as is the effect of beach dynamics on plants and animals of the Alaska coast. We propose to document rates of accretion in relation to species dynamics. The movement and fate of gravel has major implications for buried pockets of oil and oil degradation products.
5. Investigate winter and spring conditions. We have observed already the dramatic differences between summer and winter beach conditions. We believe that fall/winter site visits are necessary to observe and document some of the forces and immediate effects of winter storms.

**Figure 5 PROPOSED MONITORING PROJECT SCHEDULE,  
BIOLOGICAL DIVERSITY AND INTERACTIONS AT GREEN ISLAND**



## B: Monitoring methods

### Shorelines

A coordinate reference system will be established and marked along 300 meters of beach at Green Island. Characteristics of dunegrass and other shoreline vegetation communities will be measured. Patterns of mortality will be mapped. Abundance/cover data of intertidal and beach organisms will be calculated. We will complete detailed mapping of the horizontal location of surface features. We will compare the distribution of drift material, loose boulders, vegetation patches, and oil or tar pools or mats over a multi year period and report on the major interactions, especially any abnormalities that appear related to oil.

### Intertidal transects

We will follow the methods of Jones et al. (1980) for monitoring rocky intertidal sites. We will obtain quantitative measures of cover/abundance through direct observation and sequential photography. We will expand the coverage of plots in our existing transects (figure 4A, 4B, 4C) to an area that will allow characterization of the entire community and statistically valid estimation of the abundance of special species.

Special target species will be closely monitored within the transects and surrounding area because of their known important ecological roles elsewhere. A working list will be developed early in the project and adjusted as results dictate. Candidate species include the following:

The surfgrass *Phyllospadix serrulatus* (Photo 2), blue mussel *Mytilus edulis* (Photo 4), and brown rockweed *Fucus gardneri*, three of the species that appear to have sustained the heaviest damage from the oil spill in our area.

The seastars *Pisaster ochracea* and *Evasterias troschelli*. The first is one of the most conspicuous animals along much of the Pacific coast intertidal zone (Photo 6) where it has a major effect through predation (Paine 1974) on barnacles, snails, limpets, and chitons.

The snails *Nucella lamellosa* and *N. lima*, and the nudibranch *Onchidoris bilamellata*. The first species is a regulator of marine community structure (e.g. Spight 1982).

The grazers *Strongylocentrotus droebachiensis* and *Katherina tunicata*. The second species is a significant herbivore in the region (Himmelman 1978).

## C: Taxonomic Studies

The common or dominant organisms in the rocky intertidal zone (e.g. mussels, barnacles,



limpets and other gastropods, and seastars) are sufficiently well known that an experienced or adequately trained observer can determine them in the field. We will extend our surveys for new organisms to our master list to the point of diminishing returns - that is when the effort invested in locating new species is not worth the extensive amount of time invested (asymptotic portion of the species-area curve). Voucher specimens will be collected to meet four proposed tasks.

To verify the identification of species (e.g. small mollusks, crustaceans, and lesser-known algae) that cannot be determined in the field;

To contribute to a permanent archive at the University of Alaska Museum documenting the biological diversity of Prince William Sound;

To make observations on feeding through examining stomach contents, where possible; and

To look for organisms not previously documented in the region to expand knowledge of the ecology and biogeography of the area.

Voucher specimens will be identified and archived. Permanent photo monitoring locations will be established.

#### D: Beach Dynamics

We will develop an annual 3-dimensional profile of an accreting gravel beach that received oil to determine representative rates of burial and sequestration at Lunch Point on Green Island. The field survey will consist of relative elevation measures using plumb lines from grid points taken from parallel tapelines running perpendicular to a permanent 25 meter segment of beach transect. Later in the project we will attempt to identify stranded oil or tar zones at risk of exposure from erosional beaches. This project is not intended as a major stand-alone effort, but as an integrated part of our biotic monitoring activities. As a result we do not intend to adopt high precision/efficiency survey methods to cover large areas.

#### E: Hydrocarbon Analyses

Analyses of hydrocarbons is expensive (\$500 to multiples per sample) and should be related to some specific question. We will arrange for analysis of suspected toxic fractions of samples collected in areas of biotic abnormalities or areas where erosion or other transfer processes appear capable of remobilizing oil or oil residues.

#### **Hypotheses**

Once some of the major foodweb relationships are determined by field observation, we will set up experiments to determine the relationship between trophic interactions and zonation and diversity. Competition and predation are known to be major factors in the ecological community organization of rocky intertidal ecosystems (Paine 1966). Basic information on community structure can be inferred from and described by characteristic trophic and competition interactions. We will look for evidence of documented plant/herbivore, prey/predator, and detritus/ detritivore interactions that are known from rocky shores of Alaska (see O'Clair and Zimmerman 1987, for a review of Alaskan studies). We will explore the feasibility of selected species removals and/or additions.

VanBlaricom (1987) demonstrated that mollusks and bivalves on Green Island are restricted to crevice refuges (Photo 7) where sea otters are not able to pry them off the rocks. The mass mortality of sea otters around Green Island has major implications for the community structure (Estes and Palmisano 1974), and we will use whatever information is released on the population recovery of sea otters.

Our three working hypotheses at this point are:

1. Mollusks and bivalves formerly restricted to crevice refuges on Green Island will successfully colonize exposed habitats, reducing the abundance of formerly dominant primary producers.
2. Simultaneous mass mortality disrupted the natural patch dynamic regime of disturbance in rocky intertidal habitats and is leading to a uniform, locally less diverse community structure in the area affected by the *Exxon Valdez* spill.
3. Opportunistic green filamentous algae will occupy growing space released by delayed mortality of the pre-spill organisms (Photo 8). To the degree that the green algae persist in local habitat patches in the 1993-1996 time period they are indicators of continuing, local chronic oil injury.

## Reporting

Diversity is not a characteristic that typically changes over short time intervals except during unusual events such as oil spills, extreme weather events, or earthquake uplift. We propose to report annually to the *Exxon Valdez* Trustee Council on progress of project management and execution, and on substantive results in an annual report. We anticipate preparing journal articles for publication, and participating in scientific and oil spill meetings. We will work with the Publications office of the UAF Agricultural and Forestry Experiment Station to prepare popular publications describing results of the project. In the event of another spill or extreme climatic event we would be "on call" to examine the implications for our monitoring project.

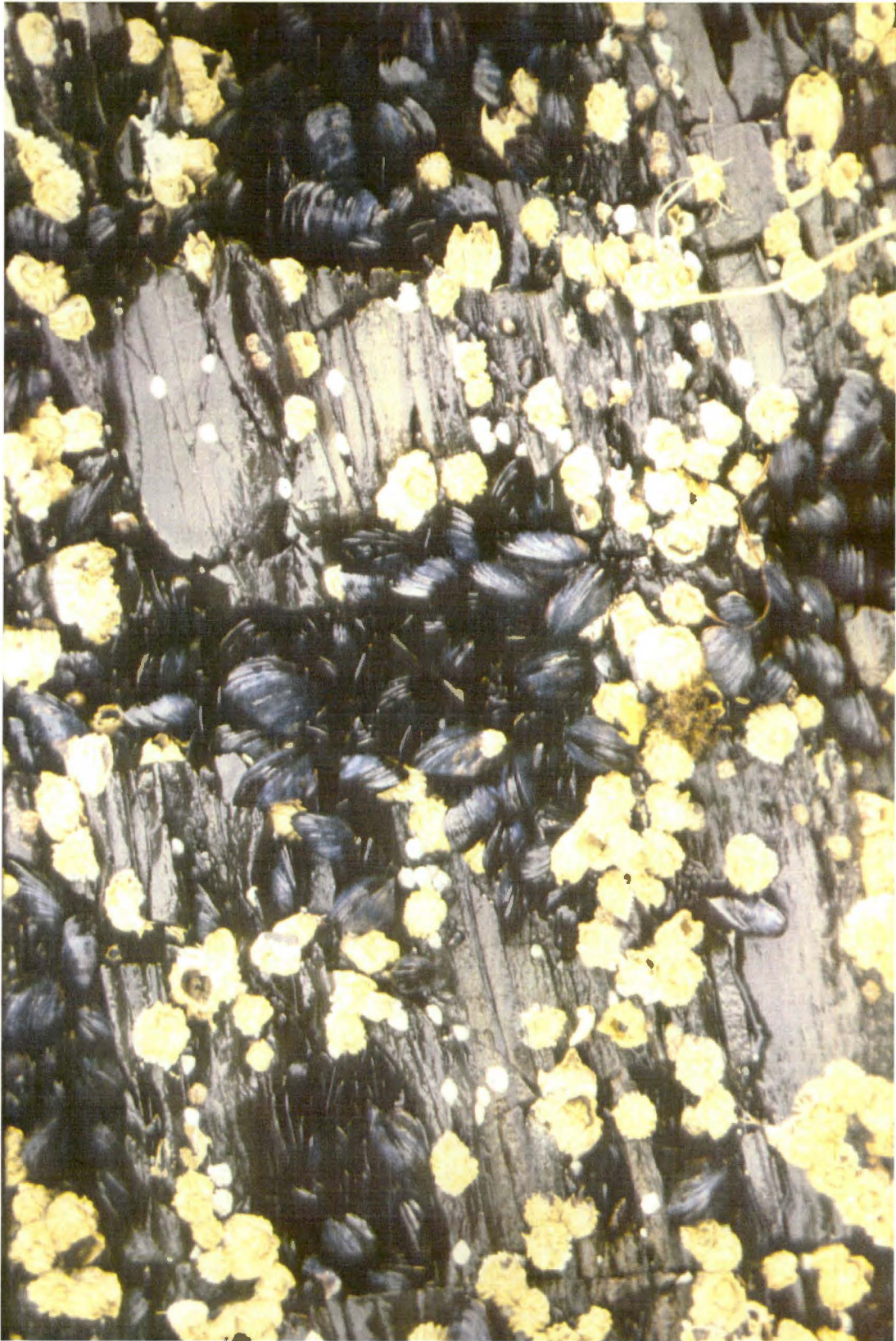


Photo 7. Blue mussels at Green Island are restricted to crevices in the rock where sea otters are unable to pry them off. With the mass die-off of sea otters this community should change significantly.





Photo 8. Filamentous green algae colonizing a dead colony of acorn barnacles at Green Island, July 1990.

## Literature Cited

- Calkins, D.G., Pitcher K.W., and K. Schneider. 1975. Distribution and Abundance of Marine Mammals in the Gulf of Alaska. Alaska Department of Fish and Game, Division of Game; Juneau, AK. 67 p.
- Callahan, J.T. 1984. Long-term ecological research. *Bioscience* 34:363-367.
- Chanin, Paul. 1985. The Natural History of Otters. Facts on File. New York. 179 p.
- Davis, Gary E. 1989. Design of a Long-Term Ecological Monitoring Program for Channel Islands National Park, California. *Natural Areas Journal* 9(2): 80-89.
- Duggins, D.O., Simenstad, C.A., and J.A. Estes. 1989. Magnification of Secondary Production by Kelp Detritus in Coastal Marine Ecosystems. *Science* 245: 170-173.
- Dumoulin, Julie A. 1987. Sandstone composition of the Valdez and Orca Groups, Prince William Sound, Alaska. Washington, D.C. U.S. Department of the Interior, Geological Survey. Bulletin 1774. 37 p.
- Estes, J.A., and J.F. Palmisano. 1974. Sea otters: their role in structuring nearshore communities. *Science* 185: 1058-1060.
- Eyderdam, W.J. 1971. Flowering plants found growing between pre- and post-earthquake high-tide lines during the summer of 1965 in Prince William Sound. p 69-81 In The great Alaska earthquake of 1964 Biology. National Academy of Sciences, Washington, D.C.
- Foster, N.R. 1987. Range extension for *Diodora steinbergae* (Lance, 1962) to Prince William Sound, Alaska. *Veliger* 30(1): 97-98.
- Galt, J.A., and D.L. Payton. 1990. Movement of Oil Spilled from the T/V *Exxon Valdez*. Pp 4-17 In: K. Bayha and J. Kormendy (tech. coords.) Sea Otter Symposium: Proceedings of a symposium to evaluate the response effort on behalf of sea otters after the T/V *Exxon Valdez* oil spill into Prince William Sound. Anchorage, AK, 17-19 April 1990. U.S. Fish and Wildlife Service, Biological Report 90(12).
- Garshelis, D.L. 1983. Ecology of Sea Otters in Prince William Sound, Alaska. University of Minnesota. Ph.D. Thesis. 321 p.



- Garshelis, D.L. 1984. Age Estimation of Living Sea Otters. *Journal of Wildlife Management*. 48(2): 456-463.
- Garshelis, D.L. and D.B. Siniff. 1983. Evaluation of Radio-Transmitter Attachments for Sea Otters. *The Wildlife Society Bulletin* 11(4): 378-383.
- Garshelis, D.L. and J.A. Garshelis. 1984. Movements and Management of Sea Otters in Alaska. *Journal of Wildlife Management* 48(3): 665-678.
- Garshelis, D.L., Johnson, A.M., and J.A. Garshelis. 1984. Social organization of sea otters in Prince William Sound, Alaska. *Canadian Journal of Zoology* 62(12): 2648-2658.
- Garshelis, D.L., Garshelis, J.A., and A.T. Kimker. 1986. Sea Otter Time Budgets and Prey Relationships in Alaska. *Journal of Wildlife Management* 50(4): 637-647.
- Himmelman, J. 1978. The reproductive cycle of *Katharina tunicata* Wood and its controlling factors. *Journal of Experimental Marine Biology and Ecology* 31: 27-41.
- Irons, D.B., Nysewander, D.R., and J.L. Trapp. 1988. Prince William Sound Sea Otter Distribution in Relation to Population Growth and Habitat Type. U.S. Fish and Wildlife Service, Branch of Marine Ecology and Wildlife Assistance Marine Bird Project. Anchorage, AK. 31 p.
- Isleib, M.E., and B. Kessel. 1973. Birds of the North Gulf coast - Prince William Sound region, Alaska. *Biological Papers of the University of Alaska*, Number 14. 149 p.
- Johnson, A.M. 1987. Sea Otters of Prince William Sound, Alaska. Alaska Department of Fish and Game. Anchorage, AK. Unpublished Report. 87 p. plus maps.
- Jones, W.E., Bennell, S., Beveridge, C., McConnell, B., Mack-Smith, S., Mitchell, J., and A. Fletcher. 1980. Methods of Data Collection and Processing in Rocky Intertidal Monitoring. Pp. 137-170, Chapter 5 In: Price, J.H., Irvine, D.E.G., and W.H. Farnham (eds.). *The Shore Environment, Volume 1: Methods*. New York, NY. Academic Press. 321 p.
- Juday, Glenn Patrick. 1987. Selecting Natural Areas for Geological Features: A Rationale and Examples from Alaska. *Natural Areas Journal* 7(4): 137-156.

- Juday, Glenn Patrick, and Nora Foster. 1990. A Preliminary Look at Effects of the *Exxon Valdez* Oil Spill on Green Island Research Natural Area. *Agroborealis* 22(1): 10-17.
- Juday, Glenn Patrick, and Nora Foster. 1991. A Return to Green Island. *Agroborealis* 23(1): 26-28.
- Kenyon, K.W. 1969. The Sea Otter in the Eastern Pacific Ocean. North American Fauna, Number 68. USDI Bureau of Sport Fisheries and Wildlife. Washington, D.C. 352 p.
- Kessel, Brina, and Daniel D. Gibson. 1978. Status and Distribution of Alaska Birds. *Studies in Avian Biology*, Number 1. 100 p. plus plates.
- Lethcoe, Jim. 1990. An Observer's Guide to the Geology of Prince William Sound. Valdez, AK. Prince William Sound Books. 224 p.
- O'Clair, C. E., and S.T. Zimmerman. Biogeography and ecology of intertidal and shallow subtidal communities. Chapter 11: In: Hood, D.W. and S.T. Zimmerman (eds.) *The Gulf of Alaska: Physical Environment and Biotic Resources*. OCS study MMS 86-0095.
- Orians, Gordon H, 1986. Ecological knowledge and environmental problem-solving: concepts and case studies. National Research Council Committee on Applications of Ecological Theory to Environmental Problems. Washington, D.C. National Academy Press. 388 p.
- Paine, R.T. 1966. Food web complexity and species diversity. *American Naturalist* 100: 65-75.
- Paine, R.T. 1974. Intertidal community structure: experimental studies on the relationship between a dominant competitor and its principal predator. *Oecologia* 15: 93-120.
- Pitcher, K.W. 1989. Harbor seal trend count surveys in southern Alaska, 1988. Final Report Contract MM4465852-1 to U.S. Marine Mammal Commission, Washington, D.C. 15 pp.
- Pitcher, K.W., and J.S. Vania. 1973. Distribution and Abundance of Sea Otters, Sea Lions, and Harbor Seals in Prince Williams Sound, Summer 1973. Alaska Department of Fish and Game, Game Division. Preliminary Report. Anchorage, AK. 17 p. plus maps.

- Plafker, George. 1969. Tectonics of the March 27, 1964, Alaska earthquake. Washington, D.C.: Government Printing Office. U.S. Geological Survey Professional Paper 543-I. 74 p.
- Plafker, George. 1990. Regional Vertical Tectonic Displacement of Shorelines in South-central Alaska During and Between Great Earthquakes. *Northwest Science* 64(5): 250-258.
- Price, J.H., Irvine, D.E.G., and W.H. Farnham (eds.). 1980. The Shore Environment, Volume 1: Methods. The Systematics Association Special Volume No. 17(a). New York, NY. Academic Press. 321 p.
- Prince William Sound Science Center. 1991. Research for the 1990's in Prince William Sound and the Copper River Delta. Prince William Sound Science Center. Cordova, AK. Proceedings of the Conference of March 1-3, 1990. 40 p.
- Ricketts, E., Calvin, J., Hedgpeth, J. (revised by Phillips, D.). 1985. Between Pacific Tides. Stanford University Press. 652 p.
- Sherman, Douglas J. 1991. Gravel Beaches. *National Geographic Research and Exploration* 7(4): 442-452.
- Spight, T.M. 1982. Population sizes of two marine snails with a changing food supply. *Journal of Experimental Marine Biology and Ecology* 57: 195-217.
- Sowls, A.L., Hatch, S.A., and C.J. Lensink. 1978. Catalog of Alaskan Sea Bird Colonies. U.S. Department of the Interior, Fish and Wildlife Service. Anchorage, AK. Biological Services Progress Report FWS/OBS-78/78.
- Trustee Council. 1991. The 1991 State/Federal Natural Resource Damage Assessment and Restoration Plan for the *Exxon Valdez* Oil Spill. Volume I: Assessment and Restoration Plan, Appendices A, B, C. 288 p.
- USDA Forest Service. 1984. Land and Resource Management Plan Chugach National Forest. USDA Forest Service; Anchorage, AK. Alaska Region Administrative Document 127B (sections numbered separately).
- VanBlaricom, G.R. 1987. Regulation of Mussel Population Structure in Prince William Sound, Alaska. *National Geographic Research*. 3(4): 501-510.

## PROJECT BUDGET

| YEAR 1                      |                 |             |
|-----------------------------|-----------------|-------------|
| CO-PIs                      | <u>work mo.</u> | <u>cost</u> |
| Ecologist                   | 1.5             | \$15,109    |
| Taxonomic specialist        | 1.5             | \$7,376     |
| FIELD & LAB ASSISTANTS      |                 |             |
| Field crew/GIS leader       | 4               | \$13,818    |
| Field crew                  | 4               | \$6,286     |
| Graduate Student (1)        | 2               | \$14,400    |
| TRAVEL-LOGISTICS            |                 | \$10,000    |
| SUPPLIES                    |                 | \$2,000     |
| EQUIPMENT                   |                 | \$12,000    |
| Overhead @ 47% <sup>a</sup> |                 | \$32,425    |
| Year 1 total                |                 | \$113,414   |

| YEAR 2                      |                 |             |
|-----------------------------|-----------------|-------------|
| CO-PIs                      | <u>work mo.</u> | <u>cost</u> |
| Ecologist                   | 1.5             | \$15,562    |
| Taxonomic specialist        | 1.5             | \$7,597     |
| FIELD & LAB ASSISTANTS      |                 |             |
| Field crew/GIS leader       | 4               | \$14,233    |
| Field crew                  | 4               | \$6,286     |
| Graduate Student (1)        | 2               | \$14,400    |
| TRAVEL-LOGISTICS            |                 | \$11,000    |
| SUPPLIES                    |                 | \$3,000     |
| EQUIPMENT                   |                 | \$7,000     |
| Overhead @ 47% <sup>a</sup> |                 | \$33,877    |
| Year 2 total                |                 | \$112,955   |

| YEAR 3                      |                 |             |
|-----------------------------|-----------------|-------------|
| CO-PIs                      | <u>work mo.</u> | <u>cost</u> |
| Ecologist                   | 1.5             | \$16,029    |
| Taxonomic specialist        | 1.5             | \$7,825     |
| FIELD & LAB ASSISTANTS      |                 |             |
| Field crew/GIS leader       | 4               | \$14,660    |
| Field crew                  | 4               | \$6,286     |
| Graduate Student (1)        |                 | \$14,400    |
| TRAVEL-LOGISTICS            |                 | \$10,000    |
| SUPPLIES                    |                 | \$2,000     |
| EQUIPMENT                   |                 | \$12,000    |
| Overhead @ 47% <sup>a</sup> |                 | \$33,464    |
| Year 3 total                |                 | \$116,664   |

| YEAR 4                      |                 |             |
|-----------------------------|-----------------|-------------|
| CO-PIs                      | <u>work mo.</u> | <u>cost</u> |
| Ecologist                   | 1               | \$10,986    |
| Taxonomic specialist        | 1               | \$5,363     |
| FIELD & LAB ASSISTANTS      |                 |             |
| Field crew/GIS leader       | 4               | \$15,101    |
| Field crew                  | 4               | \$6,286     |
| Graduate Student (1)        |                 | \$14,400    |
| TRAVEL-LOGISTICS            |                 | \$11,000    |
| SUPPLIES                    |                 | \$3,000     |
| EQUIPMENT                   |                 | \$3,000     |
| Overhead @ 47% <sup>a</sup> |                 | \$31,084    |
| Year 4 total                |                 | \$100,220   |

**PROJECT TOTAL      \$443,253**

<sup>a</sup> indirect costs not assessed on equipment.

Support Costs

A. Maximum of 7 people in field (boat or shore camp) for 2 work weeks, 3 technicians on site for 1 month continuously, plus misc. site work. Total of 170 work days in field.

B. Transportation from Valdez to Green Island and return for 7 people during main site documentation visit, 2 additional round trips for 3 technicians, plus short-term site work for 3 investigators. Total of 24 trips Valdez-Green Island (boat or air) plus occasional aerial reconnaissance.

C. 3 to 5 soil/plant hydrocarbon samples per year



# APPENDIX 1--COMPOSITE INTERTIDAL SPECIES LIST FOR GREEN ISLAND RNA

| Phylum and Species                | 1989 |    |    | 1986 |      |
|-----------------------------------|------|----|----|------|------|
|                                   | LG   | NP | LP | GI-1 | GI-5 |
| PORIFERA                          |      |    |    |      |      |
| <i>unidentified sponge</i>        |      |    | X  | X    |      |
| COELENTERATA                      |      |    |    |      |      |
| <i>Utricina crassicornis</i>      |      | X  |    | X    |      |
| <i>Anthopleura sp</i>             |      |    |    | X    |      |
| RHYNCOCOELA                       |      |    |    |      |      |
| <i>unidentified nemertean</i>     |      |    | X  |      | X    |
| MOLLUSCA                          |      |    |    |      |      |
| <i>Acmaea mitra</i>               |      |    | X  | X    | X    |
| <i>Acmaea sp.</i>                 |      |    |    | X    |      |
| <i>Tectura persona</i>            | X    | X  |    | X    | X    |
| <i>Tectura scutum</i>             | X    |    | X  |      |      |
| <i>Lottia borealis</i>            |      |    |    | X    |      |
| <i>Lottia pelta</i>               | X    | X  | X  | X    | X    |
| <i>Lottia ochracea</i>            |      |    |    |      | X    |
| <i>Lottia sp.</i>                 | X    | X  | X  |      | X    |
| <i>Lepetidae</i>                  | X    | X  |    |      |      |
| <i>Margarites beringensis</i>     |      |    |    | X    |      |
| <i>Margarites pupillis</i>        | X    |    |    | X    | X    |
| <i>Calliostoma ligatum</i>        |      |    |    |      | X    |
| <i>Littorina scutulata</i>        | X    | X  | X  | X    | X    |
| <i>Littorina sitkana</i>          | X    | X  | X  | X    | X    |
| <i>Lacuna sp.</i>                 | X    |    | X  | X    | X    |
| <i>Alvinia sp.</i>                |      |    |    | X    |      |
| <i>Barleeia subtenuis</i>         |      |    |    | X    |      |
| <i>Crepidula perforans</i>        |      |    |    | X    |      |
| <i>Crepidatella lingulata</i>     |      |    |    | X    |      |
| <i>Trichotropis cancellata</i>    |      |    |    | X    |      |
| <i>Cerithiopsis sp.</i>           |      | X  |    |      |      |
| <i>Opalia? sp.</i>                |      | X  |    |      |      |
| <i>Nucella lamellosa</i>          | X    | X  |    | X    | X    |
| <i>Nucella lima</i>               |      | X  | X  |      | X    |
| <i>Boreotrophon multicostatus</i> | X    | X  |    |      | X    |

# Appendix 1 (continued)--Composite Intertidal species list for Green Island RNA

| Phylum and Species               | LG | NP | LP | GI-1 | GI-5 |
|----------------------------------|----|----|----|------|------|
| MOLLUSCA (continued)             |    |    |    |      |      |
| <i>Ocenebra interfossa</i>       | x  |    |    |      | x    |
| <i>Searlesia dira</i>            | x  | x  | x  | x    | x    |
| <i>Mitrella</i> sp.              | x  | x  |    | x    |      |
| <i>Olivella baetica</i>          |    | x  |    |      |      |
| <i>Granulina margaritula</i>     |    |    |    |      | x    |
| <i>Amphissa columbiana</i>       |    |    |    |      | x    |
| <i>Acteocina</i> sp.             |    |    |    |      | x    |
| <i>Hermassenda crassicornis</i>  |    |    |    |      | x    |
| <i>Onchidora muricata</i>        |    |    |    |      | x    |
| <i>Onchidoris bilamellata</i>    |    |    |    |      | x    |
| <i>Acanthodoris nanaimoensis</i> |    |    |    |      | x    |
| unidentified opisthobranch       | x  |    |    |      |      |
| <i>Onchidella borealis</i>       | x  |    |    |      |      |
| <i>Siphonaria thirsites</i>      | x  |    |    |      |      |
| <i>Mytilus edulis</i>            | x  | x  | x  |      | x    |
| <i>Musculus discors</i>          |    |    |    | x    |      |
| <i>Musculus</i> sp.              |    |    |    |      | x    |
| <i>Chlamys</i> sp.               |    |    |    | x    |      |
| <i>Modiolus modiolus</i>         |    | x  |    |      |      |
| <i>Pododesmus macrochisma</i>    |    | x  |    | x    | x    |
| <i>Diplodonta impolita</i>       |    |    |    |      | x    |
| <i>Saxidomus gigantea</i>        |    | x  |    | x    | x    |
| <i>Protothaca staminea</i>       |    | x  |    |      |      |
| <i>Gari californica</i>          |    | x  |    |      |      |
| <i>Hiatella arctica</i>          |    | x  |    | x    | x    |
| <i>Agriodesma saxicola</i>       |    | x  |    |      |      |
| <i>Katherina tunicata</i>        | x  | x  | x  |      |      |
| <i>Tonicella lineata</i>         | x  | x  |    |      | x    |
| <i>Tonicella rubra</i>           |    |    |    |      | x    |
| <i>Tonicella insignis</i>        |    |    |    |      | x    |
| <i>Mopalia spectabilis</i>       | x  |    |    |      |      |
| <i>Mopalia</i> sp.               | x  | x  |    |      | x    |
| <i>Cryptochiton stelleri</i>     |    | x  |    |      | x    |
| ARTHROPODA                       |    |    |    |      |      |
| unidentified mite                |    | x  |    |      | x    |
| <i>Semibalanus glandula</i>      | x  | x  | x  | *    | *    |

# Appendix 1 (continued)--Composite Intertidal species list for Green Island RNA

| Phylum and Species                       | LG | NP | LP | GI-1 | GI-5 |
|--|----|----|----|------|------|
| ARTHROPODA (continued)                   |    |    |    |      |      |
| <i>Semibalanus cariosus</i>              | x  | x  | x  | x    | x    |
| <i>Balanus balanoides</i>                | x  | x  | x  | *    | *    |
| <i>Chthamalus dalli</i>                  | x  | x  | x  | x    | x    |
| <i>Idotea wosnessenski</i>               | x  | x  |    | x    | x    |
| <i>Gnorimosphaeroma oregonensis</i>      | x  |    |    | x    | x    |
| <i>Pagurus hirsutiunculus</i>            | x  |    |    | x    |      |
| <i>Pagurus sp.</i>                       | x  | x  |    | x    | x    |
| <i>Pugetia gracilis</i>                  |    | x  | x  | x    | x    |
| <i>Lophopanopeus bellus</i>              |    | x  |    | x    | x    |
| <i>Cancer oregonensis</i>                |    |    |    |      | x    |
| <i>Hapalogaster sp.</i>                  |    |    |    |      | x    |
| <i>Phyllolithodes papillosus</i>         |    |    |    |      | x    |
| <i>Cryptolithodes sitkensis</i>          |    |    |    |      | x    |
| <i>Hippolytidae</i>                      |    |    |    |      | x    |
| <i>unid. amphipoda</i>                   | x  |    |    | x    | x    |
| <i>unid. caprellids</i>                  |    |    |    |      | x    |
| ECHINODERMATA                            |    |    |    |      |      |
| <i>Pycnopodia helianthoides</i>          | x  | x  | x  | x    | x    |
| <i>Leptasterias hexactis</i>             | x  | x  |    |      | x    |
| <i>Pisaster ochracea</i>                 | x  | x  | x  |      |      |
| <i>Evasterias troschelli</i>             |    | x  |    |      |      |
| <i>Henricia sp.</i>                      |    | x  |    |      | x    |
| <i>Dermasterias imbricata</i>            |    |    | x  | x    |      |
| <i>Orthasterias kohleri</i>              |    |    |    | x    | x    |
| <i>Solaster sp.</i>                      |    |    |    | x    |      |
| <i>ophiuroid</i>                         |    |    |    |      | x    |
| <i>Strongylocentrotus droebachiensis</i> | x  | x  |    | x    | x    |
| <i>Strongylocentrotus sp.</i>            |    |    |    | x    |      |
| <i>Strongylocentrotus franciscanus</i>   |    |    |    |      | x    |
| <i>Cucumaria sp.</i>                     | x  |    |    |      |      |
| ANNELIDA                                 |    |    |    |      |      |
| <i>Serpulidae</i>                        | x  | x  | x  | x    | x    |
| <i>Spirorbidae</i>                       | x  | x  | x  | x    | x    |
| <i>Polynoidae</i>                        | x  |    |    | x    | x    |
| <i>Syllidae</i>                          | x  |    |    |      |      |

# Appendix 1 (continued)--Composite Intertidal species list for Green Island RNA

| Phylum and Species               | LG | NP | LP | GI-1 | GI-5 |
|----------------------------------|----|----|----|------|------|
| ANNELIDA (continued)             |    |    |    |      |      |
| <i>Nereidae</i>                  |    |    |    | x    |      |
| BRYOZOA                          |    |    |    |      |      |
| <i>Cryptosula okadai</i>         | x  |    |    | x    |      |
| <i>Scrupocellaria</i> sp.        |    |    |    | x    |      |
| <i>Hippothoa hyalina</i>         |    |    |    | x    | x    |
| other cheilostomes               | x  | x  | x  | x    | x    |
| <i>Membranipora membranacea</i>  |    |    |    |      | x    |
| <i>Heteropora</i> sp.            |    | x  |    |      |      |
| ASCIDEA                          |    |    |    |      |      |
| unidentified                     |    | x  |    |      | x    |
| CHORDATA                         |    |    |    |      |      |
| <i>Pholadidae</i>                | x  |    |    |      | x    |
| <i>Cottidae</i>                  | x  | x  |    | x    | x    |
| ALGAE                            |    |    |    |      |      |
| <i>Fucus gardneri</i>            | x  | x  | x  | x    | x    |
| <i>Leathesia difformis</i>       | x  | x  | x  | x    | x    |
| <i>Chordaria flagelliformis</i>  | x  | x  |    | x    | x    |
| <i>Alaria</i> sp.                | x  |    |    |      |      |
| <i>Laminaria</i> sp.             | x  |    |    |      | x    |
| laminarians                      |    | x  |    |      |      |
| <i>Endocladia muricata</i>       |    |    |    | x    | x    |
| <i>Soranthra ulvoidea</i>        | x  |    |    |      |      |
| <i>Ralfsia fungiformis</i>       | x  | x  | x  |      |      |
| <i>Scytosiphon lomentaria</i>    |    |    |    |      | x    |
| <i>Pleurophycus gardneri</i>     |    |    |    |      | x    |
| <i>Costaria costata</i>          |    |    |    |      | x    |
| unidentified                     | x  |    |    |      |      |
| <i>Codium fragile</i>            | x  |    |    |      |      |
| <i>Ulva</i> or <i>Monostroma</i> |    | x  | x  | x    | x    |
| <i>Enteromorpha</i> sp.          |    | x  |    | x    | x    |
| unidentified filamentous green   |    | x  | x  | x    | x    |
| <i>Rhodolela/Neorhodomela</i>    | x  | x  | x  | x    | x    |
| <i>Palmaria</i> sp.              | x  | x  | x  | x    | x    |

Appendix 1 (continued)--Composite Intertidal species list for Green Island RNA

| Phylum and Species             | LG | NP | LP | GI-1 | GI-5 |
|--------------------------------|----|----|----|------|------|
| ALGAE (continued)              |    |    |    |      |      |
| <i>Halosaccion sp.</i>         | x  | x  | x  | x    | x    |
| <i>corallines</i>              | x  | x  | x  | x    | x    |
| <i>encrusting calcareous</i>   | x  | x  | x  | x    | x    |
| <i>Polysiphonia sp.</i>        | x  | x  | x  |      | x    |
| <i>Ptilota sp.</i>             | x  | x  | x  | x    | x    |
| <i>Constantinea sp.</i>        |    | x  | x  | x    |      |
| <i>Hildenbrandia</i>           |    |    |    | x    |      |
| <i>Odonthallia floccosa</i>    |    |    |    | x    |      |
| <i>Cryptosiphonis woodii</i>   |    |    |    | x    |      |
| VASCULAR PLANT                 |    |    |    |      |      |
| <i>Phyllospadix serrulatus</i> | x  |    |    | x    | x    |
| x                              |    |    |    |      | x    |



## APPENDIX 2

### CURRICULUM VITAE

Name: Glenn Patrick Juday

Rank Assistant Professor of Forest Ecology: Date of Appointment 07/01/87

Education: B.S. *summa cum laude*, 1972, Forest Management, Purdue University, West Lafayette, IN.

Ph.D., 1976, Plant Ecology, Oregon State University, Corvallis, OR

Dissertation topic: The Location, Composition and Structure of Old-Growth Forests of the Oregon Coast Range.

Post-Doctoral Fellowship in Environmental Affairs, 1976-1977, (Rockefeller Foundation) Oregon State University; Executive Chairman of the Oregon Natural Area Preserves Advisory Committee.

#### Field of Specialization and Areas of Interest

Analysis of landscape-level processes responsible for natural diversity

Long-term environmental monitoring

Structure of old-growth forest ecosystems

Definition and identification of elements of natural diversity

Natural area protection and management

#### Selected Research Reports and Papers

Juday, Glenn Patrick. 1991. Ten Years of Successional Change on the Hugh Miller Inlet Plots, Glacier Bay National Park. Contract Report to Alaska Region, National Park Service, # CA-9700-0-9011. 35 p. plus 18 numbered figs., 5 appendices.

Juday, G.; Yarie, J.; and Van Cleve, K., Adams, P., Viereck, L., Dyrness, C.T. 1990. Bonanza Creek Experimental Forest LTER Field Trip Guide. International Conference on the Role of the Polar Regions in Global Change, June 15, 1990. University of Alaska Fairbanks and Institute of Northern Forestry, USDA Forest Service. Fairbanks, AK. 26p.

Juday, Glenn Patrick, and John C. Zasada. 1985. The Structure and Development of an Old-Growth White Spruce (*Picea glauca* (Moench) Voss) Forest on an Interior Alaska Floodplain Site, Willow Island. pp 227-234. in Meehan, W.R., T.R. Merrell, Jr., and T.A. Hanley (Eds) Fish and Wildlife Relationships in Old-Growth Forests: Proceedings of a symposium held in Juneau, Alaska, 12-15 April 1982. American Institute of Fish Research. Biologists. 425p.

### **Research Reports and Papers** (continued)

Juday, Glenn Patrick. 1984. Temperature Trends in the Alaska Climate Record. Proceedings of the Conference on the Potential Effects of Carbon Dioxide-Induced Climatic Changes in Alaska. Ag. Exp. Sta. Misc Publication 83-1. Univ. of Alaska. pp 76 - 88.

McBeath, Jenifer H., Editor, Juday, Glenn P., Weller, Gunter, Associate Editors, and Mayo Murray, Technical Editor. 1984. The Potential Effects of Carbon Dioxide-Induced Climatic Changes in Alaska, The Proceedings of a Conference. Ag. Exp. Sta. Misc Publication 83-1. Univ. of Alaska. 208 pp.

McBeath, Jenifer H., Weller, Gunter, Juday, Glenn P., and Osterkamp, Thomas E., and Richard A. Neve'. 1984. The Potential Effects of Carbon Dioxide-Induced Climatic Changes in Alaska: Conclusions and Recommendations. Proceedings of the Conference on the Potential Effects of Carbon Dioxide-Induced Climatic Changes in Alaska. Ag. Exp. Sta. Misc Publication 83-1. Univ. of Alaska. pp 193 - 196.

Juday, Glenn Patrick. 1983. The Alaska Ecological Reserves Program: Approaches, Successes, and Problems. Transactions of the 48th North American Wildlife and Natural Resources Conference, Kansas City, MO. Wildlife Management Institute. pp 531-540.

### **Journal Articles**

Juday, Glenn Patrick. 1991. Interview with Michael V. Finley, Superintendent, Yosemite National Park. Natural Areas Journal 11(2): 79-86.

Juday, Glenn Patrick. 1990. Interview with Jerry Franklin, Bloedel Professor of Forestry, University of Washington, and Chief Plant Ecologist, USDA Forest Service. Natural Areas Journal 10(4): 163-172.

Juday, Glenn Patrick. 1990. Interview with Dr. Robert E. Jenkins, Vice President for Science Programs, The Nature Conservancy. Natural Areas Journal 10(2): 55-60.

Juday, Glenn Patrick. 1989. Interview with Orie L. Loucks, Professor of Zoology, Miami University, and Member of the Board of Governors of The Nature Conservancy. Natural Areas Journal 9(4): 207-210.

Alaback, Paul B.; Juday, Glenn Patrick. 1989. Structure and Composition of Low Elevation Old-Growth Forests In Research Natural Areas of Southeast Alaska. Natural Areas Journal 9(1): 27-39.

### **Journal Articles** (continued)

- Juday, Glenn Patrick. 1988. State Legislative Initiatives on Natural Areas. *Natural Areas Journal* 8(2) p 107-114.
- Juday, Glenn Patrick. 1988. Old-Growth Forests and Natural Areas: An Introduction. *Natural Areas Journal* 8(1) p 3-6.
- Juday, Glenn Patrick. 1987. Selecting Natural Areas for Geological Features: A Rationale and Examples from Alaska. *Natural Areas Journal* 7(4) p 137-156.
- Juday, Glenn Patrick. 1986. The Outcome of Research Natural Areas in National Forest Planning, 1986. *Natural Areas Journal* 6(1) p 43-53.
- Juday Glenn Patrick. 1983. The Problem of Large Mammals in Natural Areas Selection: Examples from the Alaska Ecological Reserves System. *Natural Areas Journal*. 3(3) p 24-30.
- Juday, Glenn. 1981. Type Needs for Ecological Reserves in the Forest Regional Plan for Alaska. *Journal of the Natural Areas Association*. 1(3) p 6-10.
- Juday, Glenn Patrick. 1978. Old Growth Forests: A Necessary Element of Multiple Use and Sustained Yield National Forest Management. 8 *Environmental Law*. pp. 497-552. Northwestern School of Law, Portland.

### **Other Refereed Publications**

- Juday, Glenn Patrick. (in press). Alaska Research Natural Areas: 3. Serpentine Slide. USDA Forest Service General Technical Report PNW-GTR-xxx. Portland, Oregon. Pacific Northwest Research Station.
- Juday, Glenn Patrick, and Nora Foster. 1990. A Preliminary Look at Effects of the Exxon Valdez Oil Spill on Green Island Research Natural Area. *Agroborealis* 22(1): 10-17.
- Juday, Glenn Patrick. 1989. Alaska Research Natural Areas: 2. Limestone Jags. USDA Forest Service General Technical Report PNW-GTR-237. Portland, Oregon. Pacific Northwest Research Station. 58 p.
- Juday, Glenn Patrick. 1988. Alaska Research Natural Area: 1. Mount Prindle. USDA Forest Service General Technical Report PNW-GTR-224. Portland, Oregon. Pacific Northwest Research Station. 34 p.

### **Other Refereed Publications** (continued)

Juday, Glenn Patrick. 1983. Limestone Landscapes of the White Mountains. *Agroborealis*. Volume 15. Ag. Exp. Sta. Univ. of Alaska. pp 24-28.

Juday, Glenn Patrick. 1982. Climatic Trends in the Interior of Alaska: Moving Toward A High CO<sub>2</sub> World? *Agroborealis*. Volume 14. Ag. Exp. Sta. Univ. of Alaska. pp 10-15.

Franklin, Jerry F., Kermit Cromack, Jr., William Denison, Arthur McKee, Chris Maser, James Sedell, Fred Swanson, and Glenn Juday. 1981. Ecological Characteristics of Old-Growth Douglas-Fir Forests. USDA Forest Service General Technical Report PNW 118. 48p.

### **Consulting and other non-university activity**

President and Past-president, Natural Areas Association, 1988, 1989 (International professional organization based in U.S. of 2,200+ people working to identify, study, protect, and manage natural areas and significant features of natural diversity).

Consultant to The Nature Conservancy National Headquarters, Science Programs Office, during special assignment, Jan. - March 1988. Conducted overview of federal natural area protection funding trends and history, natural area monitoring programs, and the application of conservation biology in natural area protection strategies.

Principal author, Research Natural Area element of Chugach National Forest Plan 1980-1981. Plan proposes 9 new Research Natural Areas designed to represent major elements of natural diversity including marine-related features and species.

Principal author, Research Natural Area element of Tongass National Forest Plan Update, 1988-1989. Plan proposes over 22 new Research Natural Areas designed to represent major elements of natural diversity, and special area designation for over 20 other areas. Several areas incorporated into new wilderness and LUD II areas established by Congress in October 1989.

Consultant to National Park Service advising and helping to launch the Resource Inventory and Monitoring initiative at both Alaska Region and national level, 1988-1990.

Consultant to various agencies on response measures to the Exxon Valdez oil spill, 1989-1991. Advised Forest Service on specific measures appropriate to Green Island Research Natural Area.

### **Publications In Progress**

- Juday, Glenn Patrick. (in prep.). Age structure and development of an old-growth white spruce forest in the Bonanza Creek LTER. [Intended submission - Canadian Journal of Forest Research].
- Juday, Glenn Patrick, and John A. Bacone. (review draft) Conservation Biology of forests of the Tipton Till Plain, central Indiana. [Intended submission - Conservation Biology].
- Juday, Glenn Patrick, Alan Batten, Paul Alaback, Sylvia Kelso, Carolyn Parker. (review draft). Range extensions of vascular plants from Research Natural Areas in northern Alaska . [Intended submission - Northwest Science].
- Juday, Glenn Patrick, Robert Ott. (review draft). Alaska Research Natural Areas: 4. Pete Dahl Slough. USDA Forest Service General Technical Report PNW-GTR-xxx. Portland, Oregon. Pacific Northwest Research Station.
- Juday, Glenn Patrick, Foster, Nora, Alaback, Paul, and Robert Ott. (review draft). Alaska Research Natural Areas: 5. Green Island. USDA Forest Service General Technical Report PNW-GTR-xxx. Portland, Oregon. Pacific Northwest Research Station.
- Juday, Glenn Patrick, Paul Alaback. (in prep) Pacific silver fir in Alaska. [Intended submission - Journal of Biogeography].

### **Major Grant and Contract Coordinator Responsibilities**

PI and Coordinator of the Alaska Ecological Reserves Program. (Cooperators include University of Alaska, USDA Forest Service PNW Exp. Sta., State of Alaska, and Alaska State Office BLM.

|        |            |
|--------|------------|
| 1982 - | \$ 28,000. |
| 1983 - | \$ 36,500. |
| 1984 - | \$ 40,500. |
| 1985 - | \$ 40,500. |
| 1986 - | \$ 16,500. |
| 1987 - | \$ 46,000. |
| 1988 - | \$ 48,000. |
| 1989 - | \$ 42,500. |
| 1990 - | \$ 26,500. |
| 1991 - | \$ 45,000. |



**Major Grant and Contract Coordinator Responsibilities (continued)**

Coordinator, Rosie Creek Fire Research Project. (cooperators include Alaska Dept. of Natural Resources, USDA Forest Service, and Univ. of Alaska.

|        |            |             |
|--------|------------|-------------|
| 1983 - | \$ 56,000. | Coordinator |
| 1984 - | \$169,500. | Coordinator |
| 1985 - | \$ 68,825. | Coordinator |
| 1986 - | \$ 60,000. | PI          |
| 1988 - | \$100,000. | PI          |
| 1990 - | \$ 27,000. | PI          |
| 1991 - | \$ 8,000.  | PI          |

Coordinator, 1985 Columbia Glacier Succession Project. University of Alaska-Fairbanks, and USDA Forest Service. 1985. \$22,000 (\$8,000 contract plus in-kind budget).

Co-coordinator, EPA Cold Climate Research Priorities Planning Group, Univ of Alaska. EPA - Battelle Northwest. 1982. \$150,000

15.2.4 1372



Institute of Marine Science

## UNIVERSITY OF ALASKA FAIRBANKS

9 June 1993

Fairbanks, Alaska 99775-1080

Dave Gibbons

Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 "G" Street

Anchorage, AK 99501

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL  
ADMINISTRATIVE RECORD

RECEIVED

JUN 11 1993

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL

Dear Dave:

It has come to my attention that the Restoration Team is meeting to discuss the Work Plan for 1994. I have talked to several people about ideas for projects, but since there has not been an RFP of which I was made aware, we have not officially written a proposal. However, I would like to outline a project which I would like the Restoration Team to consider for 1994 and beyond. On your list of 1994 Potential Project Titles there is one called "Abundance and distribution of forage fish and their influence on recovery of injured species". I am uncertain who submitted that title, but I have been involved in many discussions regarding implementing such a study.

As you know, I sampled larval fishes in Prince William Sound in 1989. Those data are in the final stages of being written up for inclusion in the Exxon Valdez Oil Spill Symposium Proceedings. What I found was that there were several species present in Prince William Sound. In particular, walleye pollock were the most abundant larvae, followed by herring, and northern smoohtongue. Little is know about two of these three fishes in PWS. When I presented my data in Anchorage in February, it sparked much discussion with bird and mammal scientists. They wanted to know more about the forage fishes in PWS as the presence/absence and health of those fishes could be affecting recovery of birds and mammals. There were no forage fish studies conducted in relation to the oil spill so I could not answer there questions. This is a serious oversight regarding understanding recovery of the sound's populations.

The Restoration Studies provide an excellent opportunity to understand the ecology of PWS as a whole. An ecological study which links all trophic levels is needed. Forage fish are a pivotal point in such a study. They are important from a fisheries point of view (i.e., food for salmon), as well as food for birds and mammals. It is difficult to make statements about why and how a resource is or is not recovering if you ignore what is happening to its food. I have discussed this concept very seriously with Dr. Michael Fry (UC-Davis) who is intimately involved in ongoing bird recovery studies, Kathy Frost (ADF&G) who is concerned with harbor seals and Evelyn Biggs Brown (ADF&G) who heads the herring project. All have indicated a willingness to become involved in an ecosystem

study which would be designed to include forage fish, commercial fish, birds and mammals in a cohesive program, as opposed to trying to piece results together later.

Please consider including an integrated ecosystem study which jointly studies all trophic levels, including the important component linking them all - forage fish - in the 1994 Work Plan. Also, please keep me informed about what I can do to contribute to such a study. Thank you for your consideration.

Sincerely,



Brenda L. Norcross  
Assistant Professor  
FAX: (907) 474-7990

cc: Pam Bergman, DOI/FWS  
Jerome Montague, ADF&G  
John French, PAG  
Michael Fry, UC-Davis  
Kathy Frost, ADF&G  
Evelyn Biggs Brown, ADF&G



University of Alaska Southeast

Juneau • Ketchikan • Sitka

School of Education, Liberal Arts and Science

Juneau Campus

6 May 1993

Exxon Valdez Oil Spill Public Information Center,  
645 "G" Street,  
Anchorage, AK 99501

Dear Sirs:

Thank you for providing an opportunity for public input into the decisions of how the Exxon restoration money should be spent. I would like your board and the trustees to consider the following proposals:

- 1.) **Endowed Chairs in Marine Science and Economics at UA:** I agree wholeheartedly with Dr. James King that the establishment of endowed chairs at the University of Alaska has the potential for one of the best long term positive impacts on restoration. Endowed chairs for marine research at UA would attract high quality researchers, and here at UAS would also help get our fledgling Marine Biology Program off to a sound start. Fifteen chairs, divided equally among the three campuses, would cost \$30 million.
- 2.) **Scholarships in Marine Biology and Related Fields:** I would like to see \$1 million dollars given to each of the three campuses of the UA to establish undergraduate or graduate scholarships in marine sciences. This money would provide about \$100,000 or so in earnings per year, which would support 20 scholarships of \$5000 each. Here at UAS, such funds would be a boon to our new marine biology program.
- 3.) **Installation of Whale Skeletons at UAS:** Another most worthy project would be about \$1 million granted to UAS to procure and display skeletons of one baleen whale and one toothed whale for educational purposes. Outdoor vandal-proof facilities could be constructed for this purpose, and could serve as an outdoor classroom. The skeletons would also be a major attraction on campus.

I hope you will give serious consideration to the above proposals, and I thank you again for the opportunity to submit these ideas.

RECEIVED  
OCT 02 1995

Sincerely,

*Rita M. O'Clair*

Rita M. O'Clair, PhD,  
Associate Professor of Biology

EXXON VALDEZ OIL SPILL  
cc: John P. Bean, UAS  
ADMINISTRATIVE RECORD





15.2.4 139V



EXXON VALDEZ TRUSTEE COUNCIL  
1994 Work Plan Work Group  
645 "G" Street  
Anchorage, Alaska 99501

RECEIVED  
OCT 02 1995

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL  
ADMINISTRATIVE RECORD

0068940514  
RECEIVED  
MAY 14 1993

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

### 1994 POTENTIAL PROJECT TITLES

[illegible]

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

## 1994 POTENTIAL PROJECT TITLES

[illegible]

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>OR<br>SERVICE | RESTORATION OPTION<br>OR<br>SUBOPTION | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
|     |                           |                                       |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>3 | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 |             |
| 290 | Technical Services        | Administration                        | Hydrocarbon Data Analysis and Interpretation  | X           | X           | X           | \$105                  | 93 - M                      | X      |        |        |        |        |        |        |        |             |
| 291 |                           | Administration                        | Toxicological Profile of PWS  | X           |             |             | \$150                  | M                           | X      |        |        |        |        |        |        |        |             |
| 292 |                           | Public Information                    | CD-ROM Publication of Digital Spatial Data from Exxon Valdez Oil Spill Mapping Activities | X           | X           | X           | \$8                    | M                           | X      |        |        |        |        |        |        |        |             |
| 293 |                           | Public Information                    | Database Integration  | X           | X           | X           | \$148                  | M                           | X      |        |        |        |        |        |        |        |             |
| 294 |                           | Public Information                    | Develop User Friendly Synopsis of Oil Spill Information                                   | X           | X           | X           |                        | M                           | X      |        |        |        |        |        |        |        |             |
| 295 |                           | Public Information                    | Providing Public Access to Oilspill GIS Databases Using Arcview in PC Windows Environment | X           | X           | X           | \$120                  | M                           |        |        |        |        |        |        |        |        | X           |
| 296 |                           | Public Information                    | Public Access Repository for Oil Spill Geographic Information System (GIS)                | X           | X           | X           | \$100                  | M                           |        |        |        |        |        |        |        |        | X           |
| 297 |                           | Public Information                    | User-Friendly GIS and Remote-Sensing Demonstration Center for Public-5 Communities        | X           | X           | X           | \$72                   | M                           |        |        |        |        |        |        |        |        | X           |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | 2      | 2 | DO NOT FUND |
|-----|---------------------------|---------------------------------------|--|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|-------------|
|     |                           |                                       |  | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>0 | 0<br>1 |   |             |
| 268 | Subsistence               | Option Not Identified                 | Mariculture Technical Center   | X           | X           | X           | \$2,200                | 1                           |        |        |        |        |        |        |        |        |        |   | X           |
| 269 |                           | Option Not Identified                 | Seward Shellfish Hatchery  | X           | X           | X           | \$1,300                | 1                           |        |        |        |        |        |        |        |        |        |   | X           |
| 270 |                           | Recovery Monitoring                   | Survey of Impacted Native Communities-Subsistence                                  | X           | X           | X           | \$700                  | M                           | X      |        |        |        |        |        |        |        |        |   |             |
| 271 |                           | Replace Harvest Opportunities         | Chenega Bay Replacement Subsistence Resource Project                               | X           |             |             | \$50                   | M                           | X      |        |        |        |        |        |        |        |        |   |             |
| 272 |                           | Replace Harvest Opportunities         | Chenega Chinook and Coho Release Program   | X           |             |             | \$55                   | M                           |        |        |        |        |        |        |        |        |        |   | X           |
| 273 |                           | Replace Harvest Opportunities         | Port Graham Salmon Hatchery  |             | X           |             | \$2,500                | 1                           |        |        |        |        |        |        |        |        |        |   | X           |
| 274 |                           | Replace Harvest Opportunities         | Silver Lake Fish Hatchery  | X           |             |             | \$1,000                | 1                           |        |        |        |        |        |        |        |        |        |   | X           |
| 275 |                           | Replace Harvest Opportunities         | Subsistence Harvest Replacement-Transport Subsistence Users to Unopened Areas      | X           | X           | X           | \$55                   | M                           | X      |        |        |        |        |        |        |        |        |   |             |
| 276 |                           | Restoration Monitoring                |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |        |   |             |
| 277 |                           | Subsistence Mariculture Sites         | Village Mariculture Project - Oyster Farming                                       | X           | X           | X           | \$589                  | M                           |        |        |        |        |        |        |        |        |        |   | X           |
| 278 |                           | Test Subsistence Foods                | Assessment and Quality Assurance of Shellfish Resources                            | X           | X           | X           | \$300                  | M                           | X      |        |        |        |        |        |        |        |        |   |             |
| 279 | Test Subsistence Foods    | Subsistence Food Safety Testing       | X  | X           | X           | \$308       | 93 - M                 | X                           |        |        |        |        |        |        |        |        |        |   |             |
| 280 | Subtidal                  | Habitat Protection                    | Juvenile Spot Shrimp Habitat Identification  | X           | X           |             | \$110                  | M                           |        |        |        |        |        |        |        |        |        |   | X           |
| 281 |                           | Intensify Management                  | PWS Spot Shrimp Recovery Management Plan   | X           |             |             | \$715                  | M                           |        |        |        |        |        |        |        |        |        |   | X           |
| 282 |                           | Monitoring                            | PWS Spot Shrimp Survey   | X           |             |             | \$90                   | M                           |        |        |        |        |        |        |        |        |        |   | X           |
| 283 |                           | Monitoring                            | Injury and Recovery of Deep-Benthic Macrofaunal Communities                        | X           | X           | X           | \$275                  | M                           | X      |        |        |        |        |        |        |        |        |   |             |
| 284 |                           | Monitoring                            | Natural Recovery Monitoring of Subtidal Eelgrass Communities in PWS                | X           |             |             | \$265                  | 93 - M                      | X      |        |        |        |        |        |        |        |        |   |             |
| 285 |                           | Monitoring                            | Recovery Monitoring of Hydrocarbon-Contaminated Subtidal Marine Sediment Resources | X           | X           | X           | \$390                  | M                           | X      |        |        |        |        |        |        |        |        |   |             |
| 286 |                           | Monitoring                            | Subtidal Recovery Monitoring   | X           | X           | X           | \$400                  | M                           | X      |        |        |        |        |        |        |        |        |   |             |
| 287 |                           | Restoration Monitoring                | Experimental Studies of Interaction Between Subtidal Epifaunal Invertebrates       | X           | X           | X           | \$90                   | M                           | X      |        |        |        |        |        |        |        |        |   |             |
| 288 | Technical Services        | Administration                        | Electronic Archiving of Exxon Valdez Records                                       | X           | X           | X           | \$450                  | M                           |        |        |        |        |        |        |        |        |        |   | X           |
| 289 |                           | Administration                        | Geographic Information System Mapping of Natural Resources in Western PWS          | X           |             |             | \$75                   | M                           |        |        |        |        |        |        |        |        |        |   | X           |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>OR<br>SERVICE | RESTORATION OPTION<br>OR<br>SUBOPTION | POTENTIAL PROJECTS   | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | 3      |
|-----|---------------------------|---------------------------------------|--|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|     |                           |                                       |  | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 | 0<br>2 |
| 250 | Sea Otter                 | Study: Eliminate Oil from Mussel Beds |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        | X      |
| 251 | Sockeye Salmon            | Fish Passes and Access                | Solf Lake Fish Pass  | X           |             |             | \$120                  | M                           |        |        |        |        |        |        |        |        | X      |
| 252 |                           | Intensify Management                  | Develop and Deploy In-River Hydroacoustic Counters for Sockeye Salmon in the Kenai River |             | X           |             | \$333                  | M                           | X      | →      |        |        |        |        |        |        |        |
| 253 |                           | Intensify Management                  | Genetic Monitoring of Kodiak Island Sockeye Salmon                                       |             |             | X           | \$275                  | M                           | X      | →      |        |        |        |        |        |        |        |
| 254 |                           | Intensify Management                  | Genetic Stock Identification of Kenai River Sockeye                                      |             | X           |             | \$500                  | 93 - M                      | X      | →      |        |        |        |        |        |        |        |
| 255 |                           | Intensify Management                  | Kenai River Sockeye Salmon Restoration   |             | X           |             | \$1,000                | 93 - M                      |        |        |        |        |        |        |        |        | X      |
| 256 |                           | Intensify Management                  | Lower Cook Inlet Sockeye Salmon Restoration and Enhancement                              |             | X           |             | \$143                  | M                           |        |        |        |        |        |        |        |        | X      |
| 257 |                           | Monitoring                            | Ayakulik River Sockeye Salmon Escapement Evaluation                                      |             |             | X           | \$6                    | M                           |        |        |        |        |        |        |        |        | X      |
| 258 |                           | Monitoring                            | Sockeye Salmon Overescapement  |             | X           | X           | \$641                  | 93 - M                      |        |        |        |        |        |        |        |        | X      |
| 259 |                           | Option Not Identified                 | Restoration of the Coghill Lake Sockeye Salmon Stock                                     | X           |             |             | \$165                  | 93 - M                      |        |        |        |        |        |        |        |        | X      |
| 260 |                           | Option Not Identified                 | Red Lake Salmon Restoration  |             |             | X           | \$72                   | M                           |        |        |        |        |        |        |        |        | X      |
| 261 | Sport Fishing             | Recovery Monitoring                   |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        | X      |
| 262 |                           | Replace Harvest Opportunities         | Fort Richardson Hatchery Improvement   |             | X           |             | \$4,200                | 1                           |        |        |        |        |        |        |        |        | X      |
| 263 |                           | Restoration Monitoring                |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        | X      |
| 264 | Subsistence               | Access to Traditional Foods           |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |        |
| 265 |                           | Bivalve Shellfish Hatchery            |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |        |
| 266 |                           | Option Not Identified                 | Chenega Bay Subsistence Restoration Project (Remove Oil)                                 | X           |             |             | \$200                  | M                           |        |        |        |        |        |        |        |        | X      |
| 267 |                           | Option Not Identified                 | Mariculture Hatchery and Research Center Feasibility Study and Design                    | X           | X           | X           | \$300                  | 1                           |        |        |        |        |        |        |        |        | X      |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2 | De Not Fund |
|-----|---------------------------|---------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---|-------------|
|     |                           |                                       |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 |   |             |
| 232 | Recreation                | Visitor Center                        | Information Center  | X           | X           | X           | \$600                  | 1                           | X      |        |        |        |        |        |        |        |   |             |
| 233 |                           | Visitor Center                        | Interpretation of PWS   | X           |             |             | \$10                   | M                           |        |        |        |        |        |        |        |        |   | X           |
| 234 |                           | Visitor Center                        | Maritime Wing Valdez Museum   | X           |             |             | \$150                  | 1                           | X      |        |        |        |        |        |        |        |   |             |
| 235 |                           | Visitor Center                        | Multi-agency Library on PWS and Copper River Delta  | X           |             |             | \$150                  | 1                           | X      |        |        |        |        |        |        |        |   |             |
| 236 |                           | Visitor Center                        | Valdez Visitor Center   | X           |             |             | \$850                  | 1                           |        |        |        |        |        |        |        |        |   | X           |
| 237 | River Otter               | Monitoring                            | River Otter Recovery Monitoring   | X           |             |             | \$180                  | M                           | X      | →      |        |        |        |        |        |        |   |             |
| 238 |                           | Monitoring                            | Synthesis of Information on Ecology and Injury to River Otters in PWS                     | X           |             |             | \$40                   | M                           | X      | →      |        |        |        |        |        |        |   |             |
| 239 |                           | Restoration Monitoring                |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
| 240 |                           | Sport/trap Harvest Guidelines         | Develop Harvest Guidelines to Aid Restoration of Injured Terrestrial Mammals and Seaducks | X           | X           | X           | \$99                   | 1                           |        |        |        |        |        |        |        |        |   | X           |
| 241 | Rockfish                  | Intensify Management                  | Develop a Rockfish Management Plan  | X           | X           |             | \$175                  | M                           | X      | →      |        |        |        |        |        |        |   |             |
| 242 |                           | Monitoring                            | Monitoring Injury to Rockfish in PWS  | X           |             |             | \$117                  | M                           | X      | →      |        |        |        |        |        |        |   |             |
| 243 |                           | Monitoring                            |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
| 244 | Sea Otter                 | Cooporative Prgm-Subsistence Users    |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
| 245 |                           | Habitat Protection (Public Land)      | Habitat Utilization by Sea Otters and Designation of Protected Areas                      | X           | X           | X           | \$83                   | M                           | X      | →      |        |        |        |        |        |        |   |             |
| 246 |                           | Monitoring                            | Monitoring of Sea Otter Population Abundance, Distribution, Reproduction, and Mortality   | X           | X           | X           | \$337                  | M                           | X      | →      |        |        |        |        |        |        |   |             |
| 247 |                           | Monitoring                            | Radio-Telemetry Project to Monitor Recovery of Sea Otters                                 | X           | X           | X           | \$450                  | M                           | X      | →      |        |        |        |        |        |        |   |             |
| 248 |                           | Monitoring                            | Sea Otter Population Dynamics   | X           | X           | X           | \$291                  | 93 - M                      | X      | →      |        |        |        |        |        |        |   |             |
| 249 |                           | Restoration Monitoring                |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_

## 1994 POTENTIAL PROJECT TITLES

Page 10

Phone: \_\_\_\_\_

|     | RESOURCE<br>OR<br>SERVICE | RESTORATION OPTION<br>OR SUBOPTION    | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Not Fund |
|-----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|----------|
|     |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |          |
|     |                           |                                       |  | S      | N | D |                        |                             | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 |          |
| 202 | Recreation                | Habitat Protection and Acquisition    | Acquisition of Recreational Sites on Kodiak Road System                              |        |   | X | \$500                  | 1                           |   |   |   |   |   |   |   |   | X        |
| 203 |                           | Habitat Protection and Acquisition    | Land Exchange Shuyak for Kodiak Land on Road System                                  |        |   | X | \$70                   | 1                           |   |   |   |   |   |   |   |   | X        |
| 204 |                           | Habitat Protection and Acquisition    | Shelter Cove, Cordova Restoration Project  | X      |   |   | \$50                   | M                           | X |   |   |   |   |   |   |   |          |
| 205 |                           | Monitoring                            | Assessment of Economic Injuries to Wilderness-Based Tourism                          | X      | X | X | \$100                  | M                           |   |   |   |   |   |   |   |   | X        |
| 206 |                           | Monitoring                            | Post-Oil Spill Recreation-Based User Survey for PWS                                  | X      |   |   | \$58                   | M                           |   |   |   |   |   |   |   |   | X        |
| 207 |                           | Monitoring                            | Recreation Field Management and Monitoring   | X      | X | X | \$700                  | M                           |   |   |   |   |   |   |   |   | X        |
| 208 |                           | New Backcountry Recreation Facilities | Enhanced Trail Opportunities, Including Columbia and Blackstone Glacier Trails       | X      |   |   | \$150                  | 1                           |   |   |   |   |   |   |   |   | X        |
| 209 |                           | New Backcountry Recreation Facilities | Green Island Cabin Replacement   | X      |   |   | \$20                   | 1                           | X |   |   |   |   |   |   |   |          |
| 210 |                           | New Backcountry Recreation Facilities | Improve Marine Parks   | X      | X | X | \$100                  | M                           | X |   |   |   |   |   |   |   |          |
| 211 |                           | New Backcountry Recreation Facilities | Low Impact Recreation Development Nellie Juan, College Fiord Wilderness Study Area   | X      |   |   | \$100                  | 1                           | X |   |   |   |   |   |   |   |          |
| 212 |                           | New Backcountry Recreation Facilities | Prince William Sound Campground  | X      |   |   | \$70                   | 1                           | X |   |   |   |   |   |   |   |          |
| 213 |                           | New Backcountry Recreation Facilities | Public Use Cabins in State Marine Parks  | X      | X | X | \$150                  | M                           | X |   |   |   |   |   |   |   |          |
| 214 |                           | New Backcountry Recreation Facilities | PWS Kayak Trail  | X      |   |   | \$100                  | 1                           | X |   |   |   |   |   |   |   |          |
| 215 |                           | New Backcountry Recreation Facilities | PWS Recreation Facilities  | X      |   |   | \$250                  | 1                           | X |   |   |   |   |   |   |   |          |
| 216 |                           | Option Not Identified                 | Development of Gulf of Alaska Recreation Plan  |        | X | X | \$140                  | 1                           | X |   |   |   |   |   |   |   |          |
| 217 |                           | Option Not Identified                 | Implement Prince William Sound Area Recreation Plan                                  | X      |   |   | \$400                  | M                           |   |   |   |   |   |   |   |   | X        |
| 218 |                           | Option Not Identified                 | Sustainable Tourism in PWS   | X      |   |   | \$240                  | M                           |   |   |   |   |   |   |   |   | X        |
| 219 |                           | Option Not Identified                 | Watchable Wildlife   | X      | X | X | \$65                   | M                           |   |   |   |   |   |   |   |   | X        |
| 220 |                           | Option Not Identified                 | Increased Access PWS   | X      |   |   | \$100                  | M                           | X |   |   |   |   |   |   |   |          |
| 221 |                           | Plan Commercial Recreation Facilities | Recreation Development   | X      | X | X | \$200                  | M                           |   |   |   |   |   |   |   |   | X        |
| 222 |                           | Restoration Monitoring                |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |          |
| 223 |                           | Visitor Center                        | Bird and Mammal Specimens, University of Alaska Museum                               | X      | X | X | \$77                   | M                           |   |   |   |   |   |   |   |   | X        |
| 224 |                           | Visitor Center                        | Center for PWS Oil Spill and Natural Resource Education                              | X      |   |   |                        | 1                           | X |   |   |   |   |   |   |   |          |
| 225 |                           | Visitor Center                        | Coastal Habitat Specimens, University of Alaska Museum                               | X      | X | X | \$310                  | M                           |   |   |   |   |   |   |   |   | X        |
| 226 |                           | Visitor Center                        | Cordova Environmental Education Center   | X      |   |   | \$15                   | 1                           | X |   |   |   |   |   |   |   |          |
| 227 |                           | Visitor Center                        | Cordova Mini-Imaginarium   | X      |   |   | \$63                   | 1                           |   |   |   |   |   |   |   |   | X        |
| 228 |                           | Visitor Center                        | Develop Video Library of Intertidal Habitat and Biota to Assess Impacts              | X      | X | X | \$155                  | M                           |   |   |   |   |   |   |   |   | X        |
| 229 |                           | Visitor Center                        | Environmental Education Center in PWS  | X      |   |   | \$90                   | 1                           | X |   |   |   |   |   |   |   |          |
| 230 |                           | Visitor Center                        | Environmental Learning Resource Center   | X      | X | X | \$90                   | 1                           | X |   |   |   |   |   |   |   |          |
| 231 |                           | Visitor Center                        | Establish Natural Resource Library and Computer Support Technical Service in Cordova | X      |   |   | \$450                  | 1                           |   |   |   |   |   |   |   |   | X        |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION    | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
|-----|---------------------------|--|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
|     |                           |  |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 |
|     |                           |  |   | S      | N | D |                        |                             | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 0 | 0 | 0 | 0 |
| 176 | Pink Salmon               | Fish Passes and Access                   | Feasibility of Fish Passes as Oil Spill Restoration   | X      | X | X | \$25                   | M                           |   |   |   |   |   |   |   |   |   |   |   | X |
| 177 |                           | Fish Passes and Access                   | Horse Marine Creek Pink Salmon Restoration  |        |   | X | \$28                   | 1                           |   |   |   |   |   |   |   |   |   |   |   | X |
| 178 |                           | Fish Passes and Access                   | Otter Creek Fish Pass   | X      |   |   | \$130                  | 1                           |   |   |   |   |   |   |   |   |   |   |   | X |
| 179 |                           | Fish Passes and Access                   | Pink Creek Pink Salmon Restoration  |        |   | X | \$11                   | 1                           |   |   |   |   |   |   |   |   |   |   |   | X |
| 180 |                           | Fish Passes and Access                   | Sockeye Creek Fish Pass   | X      |   |   | \$60                   | 1                           |   |   |   |   |   |   |   |   |   |   |   | X |
| 181 |                           | Fish Passes and Access                   | Waterfall Creek Pink Salmon Restoration-Fish Improvement                                      |        |   | X | \$55                   | 1                           |   |   |   |   |   |   |   |   |   |   |   | X |
| 182 |                           | Improve Survival Rates                   | Fry Rearing to Improve Survival and Restore Wild Pink and Chum Salmon Stocks                  | X      | X | X | \$727                  | M                           |   |   |   |   |   |   |   |   |   |   |   | X |
| 183 |                           | Intensify Management                     | Adult Tagging to Determine Distribution, Migratory Timing and Rate of Movement of Pink Salmon | X      |   |   | \$495                  | M                           | X | X | X | X | X | X | X | X | X | X | X | X |
| 184 |                           | Intensify Management                     | Coded Wire Tag Recoveries from Commercial Catches in PWS Salmon Fisheries                     | X      |   |   | \$855                  | M                           | X | X | X | X | X | X | X | X | X | X | X | X |
| 185 |                           | Intensify Management                     | Coded Wire Tagging of Wild Stock Pink Salmon for Stock Identification                         | X      |   |   | \$500                  | M                           | X | X | X | X | X | X | X | X | X | X | X | X |
| 186 |                           | Intensify Management                     | Inventory and Effect of Straying Hatchery Pink Salmon on Wild Pink Salmon Population          | X      |   |   | \$253                  | M                           | X | X | X | X | X | X | X | X | X | X | X | X |
| 187 |                           | Intensify Management                     | Otolith Marking - Inseason Stock Separation Tool to Reduce Wild Stock Salmon Exploitation     | X      | X | X | \$152                  | M                           | X | X | X | X | X | X | X | X | X | X | X | X |
| 188 |                           | Intensify Management                     | Pink Salmon Escapement Enumeration  | X      | X | X | \$705                  | M                           | X | X | X | X | X | X | X | X | X | X | X | X |
| 189 |                           | Intensify Management                     | PWS Salmon Stock Genetics   | X      |   |   | \$150                  | M                           | X | X | X | X | X | X | X | X | X | X | X | X |
| 190 |                           | Intensify Management                     | Quality Assurance for PWS Coded Wire Tagging and Fish Production Records                      | X      |   |   | \$66                   | M                           | X | X | X | X | X | X | X | X | X | X | X | X |
| 191 |                           | Monitoring                               | Investigating and Monitoring Oil Related Egg and Alevin Mortalities                           | X      | X |   | \$686                  | M                           | X | X | X | X | X | X | X | X | X | X | X | X |
| 192 |                           | Monitoring                               | Restoration Monitoring and Preservation of Wild Populations of Pink Salmon                    | X      | X |   | \$899                  | M                           | X | X | X | X | X | X | X | X | X | X | X | X |
| 193 |                           | Monitoring                               | Injury to Salmon Eggs and Pre-emergent Fry in PWS, Laboratory Verification                    | X      |   |   | \$141                  | M                           | X | X | X | X | X | X | X | X | X | X | X | X |
| 194 |                           | Monitoring                               | Pink Salmon Egg to Pre-Emergent Fry Survival in PWS   | X      |   |   | \$385                  | 93 - M                      | X | X | X | X | X | X | X | X | X | X | X | X |
| 195 |                           | Monitoring                               | Monitoring Early Marine Growth of Juvenile Salmon in Prince William Sound                     | X      |   |   | \$50                   | M                           | X | X | X | X | X | X | X | X | X | X | X | X |
| 196 |                           | Option Not Identified                    | Pink Salmon Stream Enhancement in Prince William Sound, Lower Cook Inlet and Kodiak           | X      | X | X | \$300                  | M                           | X | X | X | X | X | X | X | X | X | X | X | X |
| 197 | Recreation                | Establish Marine Environmental Institute | Build Research and Monitoring Facilities and Program/Cook Inlet, Kodiak                       |        | X | X | \$1,250                | M                           | X | X | X | X | X | X | X | X | X | X | X | X |
| 198 |                           | Establish Marine Environmental Institute | Oiled Wildlife Rehabilitation Center  | X      | X | X | \$6,000                | 1                           |   |   |   |   |   |   |   |   |   |   |   | X |
| 199 |                           | Establish Marine Environmental Institute | Seward Sea Life Center  | X      | X | X | \$40,000               | 1                           | X | X | X | X | X | X | X | X | X | X | X | X |
| 200 |                           | Habitat Protection and Acquisition       | 17(b) Easement Identification-Public Access   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |   |   |   |   |
| 201 |                           | Habitat Protection and Acquisition       | Acquisition of Important Recreation Lands   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |   |   |   |   |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION  | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|--|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |  |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
|     |                           |  |  | S      | N | D |                        |                             | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 |             |
| 158 | Multiple Resources        | Recovery Monitoring                    | Survey to Determine Distribution, Abundance, and Food Habits of Staging Migratory Waterfowl  | X      |   |   | \$91                   | M                           | X |   |   |   |   |   |   |   |             |
| 159 |                           | Recovery Monitoring                    | Surveys to Monitor Marine Bird and Sea-Otter Populations                                     | X      | X | X | \$275                  | 93 - M                      | X |   |   |   |   |   |   |   |             |
| 160 |                           | Reduce Disturbance by Field Presence   |  |        |   |   |                        |                             | X |   |   |   |   |   |   |   |             |
| 161 |                           | Reduce Disturbance Through Public Info | Public Information and Education   | X      | X | X | \$316                  | M                           | X |   |   |   |   |   |   |   |             |
| 162 |                           | Reduce Disturbance Through Public Info | Publish and Distribute Brochures on Injured Species  | X      | X | X | \$50                   | M                           |   |   |   |   |   |   |   |   | X           |
| 163 |                           | Restoration Monitoring                 | Abundance and Distribution of Forage Fish and Their Influence on Recovery of Injured Species | X      | X | X | \$500                  | M                           | X |   |   |   |   |   |   |   |             |
| 164 |                           | Restoration Monitoring                 | Ecosystem Study  | X      | X | X | \$6,000                | M                           | X |   |   |   |   |   |   |   |             |
| 165 | Pacific Herring           | Intensify Management                   | Genetic Stock Identification for Herring in PWS  | X      |   |   | \$205                  | M                           | X |   |   |   |   |   |   |   |             |
| 166 |                           | Intensify Management                   | Herring Spawn Deposition, Egg Loss, and Reproductive Impairment                              | X      |   |   | \$400                  | M                           | X |   |   |   |   |   |   |   |             |
| 167 |                           | Intensify Management                   | PWS Herring Tagging Feasibility Study  | X      |   |   | \$112                  | M                           | X |   |   |   |   |   |   |   |             |
| 168 |                           | Monitoring                             | Herring Embryo Viability Evaluation - Natural and Catastrophic Effects                       | X      |   |   | \$189                  | M                           | X |   |   |   |   |   |   |   |             |
| 169 |                           | Monitoring                             | Larval Herring Age and Growth in PWS Using Otoliths  | X      |   |   | \$60                   | M                           | X |   |   |   |   |   |   |   |             |
| 170 |                           | Option Not Identified                  | Enhancement of Pacific Herring   | X      | X | X | \$120                  | M                           | X |   |   |   |   |   |   |   |             |
| 171 |                           | Restoration Monitoring                 |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 172 | Pigeon Guillemot          | Monitoring                             | Pigeon Guillemot Colony Survey   | X      | X | X | \$40                   | 93 - M                      | X |   |   |   |   |   |   |   |             |
| 173 |                           | Monitoring                             | Pigeon Guillemot Recovery Enhancement and Monitoring   | X      | X | X | \$180                  | M                           | X |   |   |   |   |   |   |   |             |
| 174 |                           | Restoration Monitoring                 |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   | X           |
| 175 |                           | Temporary Predator Control             |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   | X           |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 30       |
|-----|---------------------------|---------------------------------------|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|----------|
|     |                           |                                       |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | Not Fund |
|     |                           |                                       |   | S      | E | O |                        |                             | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 |          |
| 128 | Multiple Resources        | Habitat Protection and Acquisition    | Habitat Acquisition, Kodiak Island  |        |   | X | \$20,000               | 1                           | X |   |   |   |   |   |   |   |          |
| 129 |                           | Habitat Protection and Acquisition    | Habitat Acquisition, North Afognak Island   |        |   | X | \$4,000                | 1                           | X |   |   |   |   |   |   |   |          |
| 130 |                           | Habitat Protection and Acquisition    | Kodiak Bear Refuge Stream Mouth Inholdings Acquisition                                      |        |   | X | \$1,000                | 1                           | X |   |   |   |   |   |   |   |          |
| 131 |                           | Increase Natural Food Supply          |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |          |
| 132 |                           | Intensify Management                  | Develop Management Strategy for Enhancing Recovery Rate of Bird and Sea Otter Populations   | X      | X | X | \$50                   | M                           |   |   |   |   |   |   |   |   |          |
| 133 |                           | Intensify Management                  | Genetic Risk Assessment of Injured Salmonids  | X      | X | X | \$408                  | M                           | X |   |   |   |   |   |   |   |          |
| 134 |                           | Intensify Management                  | Restoration and Mitigation of Essential Wetland Habitats for PWS Fish and Wildlife          | X      |   |   | \$200                  | M                           | X |   |   |   |   |   |   |   |          |
| 135 |                           | Intensify Management                  | Restoration of Second Growth Habitat for Wildlife in PWS                                    | X      |   |   | \$40                   | M                           | X |   |   |   |   |   |   |   |          |
| 136 |                           | Intensify Management                  | Seabird Colony Restoration  | X      | X | X | \$250                  | M                           |   |   |   |   |   |   |   |   | X        |
| 137 |                           | Intensify Management                  | Stock Identification of Chum, Sockeye and Chinook Salmon in PWS                             | X      |   |   | \$250                  | M                           | X |   |   |   |   |   |   |   |          |
| 138 |                           | Monitoring                            | Shoreline Worm Life Monitoring  | X      | X | X | \$388                  | M                           |   |   |   |   |   |   |   |   |          |
| 139 |                           | Option Not Identified                 | Instream Habitat and Stock Restoration Techniques for Anadromous Fish                       | X      | X | X | \$416                  | M                           |   |   |   |   |   |   |   |   |          |
| 140 |                           | Option Not Identified                 | Alaska Land and Wildlife Conservation Fund  | X      | X | X | one billion            | M                           |   |   |   |   |   |   |   |   |          |
| 141 |                           | Option Not Identified                 | Field Study of Bioremediation Enhancement Treatment Methods                                 | X      | X | X | \$280                  | M                           | X |   |   |   |   |   |   |   |          |
| 142 |                           | Option Not Identified                 | Oil Spill Injured Resources Literature Research and Review                                  | X      | X | X | \$7                    | M                           | X | X |   |   |   |   |   |   |          |
| 143 |                           | Option Not Identified                 | Analyze Natural Resource Damage Assessment Samples Left Un-Analyzed                         | X      | X | X | \$650                  | 1                           |   |   |   |   |   |   |   |   | X        |
| 144 |                           | Option Not Identified                 | Identification of Seabird Feeding Areas from Remotely Sensed Data and Impact on Restoration | X      | X | X | \$48                   | M                           | X |   |   |   |   |   |   |   |          |
| 145 |                           | Option Not Identified                 | Shoreline Assessment  | X      | X | X | \$250                  | 93 - M                      |   |   |   |   |   |   |   |   |          |
| 146 |                           | Option Not Identified                 | Uganik River Fish Counting Weir - Brown Bear and Other Wildlife Food Study                  |        |   | X | \$28                   | M                           |   |   |   |   |   |   |   |   |          |
| 147 |                           | Recovery Monitoring                   | Comprehensive Monitoring Program, Plan and Administer                                       | X      | X | X | \$500                  | 93 - M                      | X |   |   |   |   |   |   |   |          |
| 148 |                           | Recovery Monitoring                   | Cook Inlet Comprehensive Monitoring Program   |        | X |   | \$800                  | M                           | X |   |   |   |   |   |   |   |          |
| 149 |                           | Recovery Monitoring                   | Full Funding for Oil Spill Recovery Institute   | X      | X | X | \$2,300                | 1                           |   |   |   |   |   |   |   |   |          |
| 150 |                           | Recovery Monitoring                   | Injured Resource Food Supply  | X      | X | X | \$850                  | M                           |   |   |   |   |   |   |   |   |          |
| 151 |                           | Recovery Monitoring                   | Inventory, Monitor, Protect Permanent Study Sites   | X      | X | X | \$500                  | M                           | X |   |   |   |   |   |   |   |          |
| 152 |                           | Recovery Monitoring                   | Long-Term Monitoring of Marine Environment of Resurrection Bay                              |        | X |   | \$600                  | M                           | X |   |   |   |   |   |   |   |          |
| 153 |                           | Recovery Monitoring                   | Migratory Shore Birds Staging in Rocky Intertidal Habitats of PWS                           | X      |   |   | \$80                   | M                           | X |   |   |   |   |   |   |   |          |
| 154 |                           | Recovery Monitoring                   | Migratory Waterfowl and Shorebird Monitoring  | X      | X | X | \$150                  | M                           | X |   |   |   |   |   |   |   |          |
| 155 |                           | Recovery Monitoring                   | Monitor Population Status of Seabird Nesting Colonies in the Spill Zone                     | X      | X | X | \$100                  | M                           | X |   |   |   |   |   |   |   |          |
| 156 |                           | Recovery Monitoring                   | Restoration Recovery Monitoring of Stream-Rearing Anadromous Salmonids                      | X      | X | X | \$200                  | M                           | X |   |   |   |   |   |   |   |          |
| 157 |                           | Recovery Monitoring                   | Survey to Determine Abundance Distribution, Habitat, and Food Habits of Staging Shore Birds | X      |   |   | \$35                   | M                           | X |   |   |   |   |   |   |   |          |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBORTION | POTENTIAL PROJECTS  | REGION |     |     | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1   | 1   | 1   | 1   | 1   | 1   | 2   | 2   | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|--------|-----|-----|------------------------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------------|
|     |                           |                                       |   | PWS    | KEN | KOD |                        |                             | 994 | 995 | 996 | 997 | 998 | 999 | 000 | 001 |             |
| 102 | Marbled Murrelet          | Restoration Monitoring                | Survey to Monitor Recovery of Marbled Murrelets   | X      | X   | X   | \$250                  | M                           | X   |     |     |     |     |     |     |     |             |
| 103 | Multiple Resources        | Habitat Protection                    | Habitat Modelling   | X      | X   | X   | \$150                  | M                           |     |     |     |     |     |     |     |     | X           |
| 104 |                           | Habitat Protection                    | Riparian Habitat Assessment   | X      | X   | X   | \$110                  | M                           | X   |     |     |     |     |     |     |     |             |
| 105 |                           | Habitat Protection                    | Stream Channel Capability Modeling  | X      | X   | X   | \$110                  | M                           |     |     |     |     |     |     |     |     | X           |
| 106 |                           | Habitat Protection                    | Stream Habitat Assessment   | X      | X   | X   | \$361                  | 93 - M                      | X   |     |     |     |     |     |     |     |             |
| 107 |                           | Habitat Protection                    | Valdez Hazardous Waste Collection   | X      |     |     | \$200                  | 1                           | X   |     |     |     |     |     |     |     |             |
| 108 |                           | Habitat Protection                    | Vegetation and Stream Classification and Mapping  | X      | X   | X   | \$276                  | 93 - M                      | X   |     |     |     |     |     |     |     |             |
| 109 |                           | Habitat Protection                    | Wetland Habitat Classification, Mapping and Assessment                                  | X      | X   | X   | \$100                  | M                           | X   |     |     |     |     |     |     |     |             |
| 110 |                           | Habitat Protection                    | Characterization and Identification of Habitat Important to Upland Species              | X      | X   | X   | \$750                  | M                           | X   |     |     |     |     |     |     |     |             |
| 111 |                           | Habitat Protection and Acquisition    | Inholdings in Alaska Maritime National Wildlife Refuge                                  |        | X   | X   | \$111                  | 1                           | X   |     |     |     |     |     |     |     |             |
| 112 |                           | Habitat Protection and Acquisition    | Inholdings in Alaska Peninsula National Wildlife Refuge                                 |        |     | X   |                        | 1                           | X   |     |     |     |     |     |     |     |             |
| 113 |                           | Habitat Protection and Acquisition    | Inholdings in Becharof National Wildlife Refuge   |        |     | X   |                        | 1                           | X   |     |     |     |     |     |     |     |             |
| 114 |                           | Habitat Protection and Acquisition    | Valdez Duck Flats   | X      |     |     |                        | 1                           | X   |     |     |     |     |     |     |     |             |
| 115 |                           | Habitat Protection and Acquisition    | Inholdings in Kenai Fjords National Wildlife Refuge                                     |        | X   |     | \$20                   | 1                           | X   |     |     |     |     |     |     |     |             |
| 116 |                           | Habitat Protection and Acquisition    | Inholdings in Aniakchak National Monument and Preserve                                  |        |     | X   |                        | 1                           | X   |     |     |     |     |     |     |     |             |
| 117 |                           | Habitat Protection and Acquisition    | Kitoi Bay Hatchery Watershed Habitat Acquisition  |        |     | X   | \$250                  | 1                           |     |     |     |     |     |     |     |     |             |
| 118 |                           | Habitat Protection and Acquisition    | Acquire Olsen Bay Watershed   | X      |     |     | \$3,500                | 1                           |     |     |     |     |     |     |     |     |             |
| 119 |                           | Habitat Protection and Acquisition    | Acquisition of Inholdings in Shuyak Island State Park                                   |        |     | X   | \$200                  | 1                           | X   |     |     |     |     |     |     |     |             |
| 120 |                           | Habitat Protection and Acquisition    | Acquisition of Koniag Corporation Inholdings within the Kodiak National Wildlife Refuge |        |     | X   | \$77,000               | 1                           | X   |     |     |     |     |     |     |     |             |
| 121 |                           | Habitat Protection and Acquisition    | Conservation Easement-Aialik Bay  |        | X   |     | \$90                   | 1                           |     |     |     |     |     |     |     |     |             |
| 122 |                           | Habitat Protection and Acquisition    | Conservation Easement-Chugach Bay   |        | X   |     | \$60                   | 1                           |     |     |     |     |     |     |     |     |             |
| 123 |                           | Habitat Protection and Acquisition    | Conservation Easement-Dogfish Bay   |        | X   |     | \$400                  | 1                           |     |     |     |     |     |     |     |     |             |
| 124 |                           | Habitat Protection and Acquisition    | Conservation Easement-Port Chatham  |        | X   |     | \$80                   | 1                           |     |     |     |     |     |     |     |     |             |
| 125 |                           | Habitat Protection and Acquisition    | Conservation Easement-Rock Bay  |        | X   |     | \$740                  | 1                           |     |     |     |     |     |     |     |     |             |
| 126 |                           | Habitat Protection and Acquisition    | Habitat Acquisition   | X      | X   | X   | \$25,000               | 93 - 1                      |     |     |     |     |     |     |     |     |             |
| 127 |                           | Habitat Protection and Acquisition    | Habitat Acquisition, Afognak  |        |     | X   | \$112,500              | 1                           | X   |     |     |     |     |     |     |     |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1           | 1           | 1           | 1           | 1           | 1           | 2           | 2           | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|-------------|-------------|-------------|------------------------|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|     |                           |                                       |  | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>9<br>4 | 9<br>9<br>5 | 9<br>9<br>6 | 9<br>9<br>7 | 9<br>9<br>8 | 9<br>9<br>9 | 0<br>0<br>0 | 0<br>0<br>1 |             |
| 82  | Intertidal                | Monitoring                            | Monitoring Sites - Collector Beaches and Lagoons   | X           | X           | X           | \$500                  | M                           | X           |             |             |             |             |             |             |             |             |
| 83  |                           | Monitoring                            | Natural Recovery of Oiled and Treated Shorelines and Monitoring                            | X           | X           | X           | \$600                  | M                           | X           |             |             |             |             |             |             |             |             |
| 84  |                           | Monitoring                            | Quantification of Intertidal Algal Recovery Using Multispectral Digital Remote Sensing     | X           | X           | X           | \$195                  | M                           | X           |             |             |             |             |             |             |             |             |
| 85  |                           | Monitoring                            | Recovery Monitoring of Intertidal Oiled Mussel Beds  | X           | X           | X           | \$500                  | 93 - M                      | X           |             |             |             |             |             |             |             |             |
| 86  |                           | Monitoring                            | Herring Bay Experimental and Monitoring Studies  | X           |             |             | \$495                  | 93 - M                      | X           |             |             |             |             |             |             |             |             |
| 87  |                           | Option Not Identified                 | Bivalve Shellfish Rehabilitation Project   | X           | X           | X           | \$860                  | M                           |             |             |             |             |             |             |             |             |             |
| 88  |                           | Option Not Identified                 | Clam Enhancement   | X           | X           | X           | \$120                  | M                           |             |             |             |             |             |             |             |             |             |
| 89  |                           | Option Not Identified                 | Replacement of Oiled Mussels with Commercially Produced Mussels                            | X           | X           | X           | \$500                  | M                           |             |             |             |             |             |             |             |             |             |
| 90  |                           | Option Not Identified                 | Restoration of Mussel Beds   | X           | X           | X           | \$500                  | M                           |             |             |             |             |             |             |             |             |             |
| 91  |                           | Option Not Identified                 | Characterization of Near-Shore Bottom Habitat  | X           | X           | X           | \$237                  | M                           |             |             |             |             |             |             |             |             |             |
| 92  | Killer Whale              | Monitoring                            | Photo-Identification Studies of PWS Killer Whales  | X           |             |             | \$120                  | 93 - M                      | X           |             |             |             |             |             |             |             |             |
| 93  |                           | Monitoring                            | Recovery Monitoring  | X           |             |             | \$125                  | M                           | X           |             |             |             |             |             |             |             |             |
| 94  |                           | Monitoring                            | Use of Satellite Transmitters to Investigate Killer Whale Ecology in PWS                   | X           |             |             | \$180                  | M                           | X           |             |             |             |             |             |             |             |             |
| 95  |                           | Reduce Fishery Interactions           | Change Black Cod Fishery Gear  | X           |             |             |                        | M                           | X           |             |             |             |             |             |             |             |             |
| 96  | Marbled Murrelet          | Habitat Protection                    | Identification of Nesting Habitat Criteria and Reproductive Success for Marbled Murrelet   | X           | X           | X           | \$240                  | 93 - M                      | X           |             |             |             |             |             |             |             |             |
| 97  |                           | Habitat Protection                    | Survey to Identify Upland Use by Murrelets   | X           | X           | X           | \$180                  | 93 - M                      | X           |             |             |             |             |             |             |             |             |
| 98  |                           | Habitat Protection                    | Assessment of Marbled Murrelet Foraging Habitat Requirements During Breeding Season        | X           | X           | X           | \$250                  | M                           | X           |             |             |             |             |             |             |             |             |
| 99  |                           | Habitat Protection                    | Marbled Murrelet Nesting and Feeding Site Characterization and Assessment                  | X           | X           | X           | \$509                  | M                           | X           |             |             |             |             |             |             |             |             |
| 100 |                           | Minimize Incidental Take              |  |             |             |             |                        |                             |             |             |             |             |             |             |             |             |             |
| 101 |                           | Recovery Monitoring                   | Determine Status of Marbled Murrelet Populations in Kenai Fjords and Katmai National Parks | X           | X           |             | \$200                  | M                           | X           |             |             |             |             |             |             |             |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>SUBOPTION   | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|----|---------------------------|-----------------------------------|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|---|-------------|
|    |                           |                                   |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 60 | Harbor Seal               | Cooperative Program-Fishermen     |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |   |             |
| 61 |                           | Monitoring                        | Monitoring Trends in Abundance of Harbor Seals in PWS   | X      |   |   | \$39                   | M                           | X | X | + | X | X |   |   |   |   |             |
| 62 |                           | Option Not Identified             | Subsistence Harvest Assistance  | X      |   |   | \$23                   | M                           | X | X | X | X | X |   |   |   |   |             |
| 63 |                           | Option Not Identified             | Habitat Use and Behavior of Harbor Seals in PWS   | X      |   |   | \$165                  | 93 - M                      | X | X | X | X | X |   |   |   |   |             |
| 64 |                           | Recovery Monitoring               | Habitat Use, Monitoring, Population Modelling, and Information Synthesis                      | X      | X | X | \$230                  | M                           | X | X | X | X | X |   |   |   |   |             |
| 65 | Harlequin Duck            | Eliminate Oil from Mussel Beds    |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |   |             |
| 66 |                           | Monitoring                        | Harlequin Duck Recovery Monitoring, Population Modelling and Habitat Information Synthesis    | X      | X | X | \$700                  | 93 - M                      | + |   |   |   |   |   |   |   |   |             |
| 67 |                           | Option Not Identified             | Quantification of Stream Habitat for Harlequin Ducks from Remotely Sensed Data                | X      | X | X | \$53                   | M                           | + |   |   |   |   |   |   |   |   |             |
| 68 | Intertidal                | Accelerate Recovery of Intertidal | Deposit Sand on Cleaned Beaches, to Promote Clam Recruitment-Feasibility Study                | X      | X | X | \$20                   | M                           |   |   |   |   |   |   |   |   |   | X           |
| 69 |                           | Accelerate Recovery of Intertidal | Fucus Restoration Feasibility Study   | X      | X | X | \$70                   | M                           |   |   |   |   |   |   |   |   |   | X           |
| 70 |                           | Accelerate Recovery of Intertidal | Restoration of High-Intertidal Fucus  | X      | X | X | \$300                  | M                           |   |   |   |   |   |   |   |   |   | X           |
| 71 |                           | Accelerate Recovery of Intertidal | Beach Subsurface Oil Recovery   | X      | X | X | \$50                   | M                           |   |   |   |   |   |   |   |   |   | X           |
| 72 |                           | Accelerate Recovery of Intertidal | Hydrodynamic Purging of Oil from Contaminated Beaches, PWS                                    | X      |   |   | \$500                  | M                           |   |   |   |   |   |   |   |   |   | X           |
| 73 |                           | Accelerate Recovery of Intertidal | Rapid Restoration of Weathered Crude Contaminated Beach Subsurface Material                   | X      | X | X | \$800                  | M                           |   |   |   |   |   |   |   |   |   | X           |
| 74 |                           | Accelerate Recovery of Intertidal | Restore Shorelines Injured by Beach Berm Relocation   | X      | X | X |                        | M                           | X |   |   |   |   |   |   |   |   |             |
| 75 |                           | Monitoring                        | Coastal Habitat Injury Assessment - Intertidal Algae  | X      | X | X | \$620                  | M                           | X |   |   |   |   |   |   |   |   |             |
| 76 |                           | Monitoring                        | Fate and Transport of Subsurface Hydrocarbons in Beach Deposits in PWS                        | X      |   |   | \$600                  | M                           | X |   |   |   |   |   |   |   |   |             |
| 77 |                           | Monitoring                        | Coastal Habitat Comprehensive Intertidal Monitoring Program                                   | X      | X | X | \$500                  | M                           | X |   |   |   |   |   |   |   |   |             |
| 78 |                           | Monitoring                        | Hydrocarbons in Mussels from Coastal Gulf of Alaska, Cook Inlet and Shelikof Strait           |        | X | X | \$200                  | M                           | X |   |   |   |   |   |   |   |   |             |
| 79 |                           | Monitoring                        | Intertidal/Shallow Subtidal Crustacean (Decapod) Composition                                  | X      | X | X | \$275                  | M                           | X |   |   |   |   |   |   |   |   |             |
| 80 |                           | Monitoring                        | Long-Term Monitoring -Acute and Chronic Toxicity of Residual Hydrocarbons to Littleneck Clams | X      | X | X | \$50                   | M                           | X |   |   |   |   |   |   |   |   |             |
| 81 |                           | Monitoring                        | Monitoring for Recruitment of Littleneck Clams  | X      | X | X | \$186                  | M                           | X |   |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |   |   | EST<br>COST/YR<br>\$K | EST<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 30 Not Fund |
|----|---------------------------|---------------------------------------|---|--------|---|---|-----------------------|----------------------------|---|---|---|---|---|---|---|---|-------------|
|    |                           |                                       |   | P      | K | K |                       |                            | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 42 | Common Murre              | Restoration Monitoring                |   |        |   |   |                       | M                          | X | X | X | X | X |   |   |   |             |
| 43 | Cutthroat/Dolly           | Intensify Management                  | Cutthroat Trout and Dolly Varden Habitat Restoration                                      | X      |   |   | \$200                 | M                          | X |   |   |   |   |   |   |   |             |
| 44 |                           | Intensify Management                  | Enhanced Management of Cutthroat Trout and Dolly Varden                                   | X      |   |   | \$285                 | M                          | X |   |   |   |   |   |   |   |             |
| 45 |                           | Option Not Identified                 | Anadromous Cutthroat and Dolly Varden Char Habitat Inventory, Evaluation, and Restoration | X      |   |   | \$35                  | M                          | X |   |   |   |   |   |   |   |             |
| 46 |                           | Option Not Identified                 | Cutthroat Trout and Dolly Varden Hatchery   | X      |   |   | \$950                 | M                          |   |   |   |   |   |   |   |   | X           |
| 47 |                           | Restoration Monitoring                |   |        |   |   |                       | M                          | X |   |   |   |   |   |   |   |             |
| 48 | General                   | Administration                        | Oil Spill Restoration Support Service and Facilities                                      | X      | X | X | \$600                 | 1                          |   |   |   |   |   |   |   |   |             |
| 49 |                           | Monitoring                            | Monitoring of Small Cetaceans (Dall Porpoises) in PWS                                     | X      |   |   | \$200                 | M                          | X | X | X |   |   |   |   |   |             |
| 50 |                           | Option Not Identified                 | Hazardous Material Collection Facility  | X      | X | X | \$100                 | 1                          |   |   |   |   |   |   |   |   |             |
| 51 |                           | Option Not Identified                 | Testing of Patch-Response Patch Dependence Hypothesis-Testing of an Ecosystem Model       | X      | X | X | \$488                 | M                          |   |   |   |   |   |   |   |   |             |
| 52 |                           | Public Information                    | Public Broadcasting System Program on Oil Spill   | X      | X | X | \$70                  | M                          |   |   |   |   |   |   |   |   |             |
| 53 |                           | Public Information                    | Publish and Distribute Brochures on Injured Species                                       | X      | X | X | \$90                  | M                          |   |   |   |   |   |   |   |   |             |
| 54 |                           | Public Information                    | PWS Brochures   | X      |   |   | \$65                  | M                          |   |   |   |   |   |   |   |   |             |
| 55 |                           | Public Information                    | PWS Implementation of Interpretive Plan   | X      |   |   | \$150                 | M                          |   |   |   |   |   |   |   |   |             |
| 56 |                           | Public Information                    | PWS Large Format Photographic Book  | X      |   |   | \$100                 | M                          |   |   |   |   |   |   |   |   |             |
| 57 |                           | Public Information                    | PWS Scenic Byway-- Nomination and Interpretive Plan                                       | X      |   |   | \$70                  | M                          |   |   |   |   |   |   |   |   |             |
| 58 |                           | Public Information                    | PWS Video Programs  | X      |   |   | \$100                 | M                          |   |   |   |   |   |   |   |   |             |
| 59 |                           | Public Information                    | Science of the Sound- Education Program   | X      |   |   | \$53                  | M                          | X | X | X | X | X |   |   |   |             |

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

## 1994 POTENTIAL PROJECT TITLES

|  | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS | REGION |  |  | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1<br>9<br>9<br>4 | 1<br>9<br>9<br>5 | 1<br>9<br>9<br>6 | 1<br>9<br>9<br>7 | 1<br>9<br>9<br>8 | 1<br>9<br>9<br>9 | 2<br>0<br>0<br>0 | 2<br>0<br>0<br>1 | 2<br>0<br>0<br>2 | 2<br>0<br>0<br>3 | 2<br>0<br>0<br>4 | 2<br>0<br>0<br>5 | 2<br>0<br>0<br>6 | 2<br>0<br>0<br>7 | 2<br>0<br>0<br>8 | 2<br>0<br>0<br>9 | 2<br>0<br>1<br>0 | 2<br>0<br>1<br>1 | 2<br>0<br>1<br>2 | 2<br>0<br>1<br>3 | 2<br>0<br>1<br>4 | 2<br>0<br>1<br>5 | 2<br>0<br>1<br>6 | 2<br>0<br>1<br>7 | 2<br>0<br>1<br>8 | 2<br>0<br>1<br>9 | 2<br>0<br>2<br>0 | 2<br>0<br>2<br>1 | 2<br>0<br>2<br>2 | 2<br>0<br>2<br>3 | 2<br>0<br>2<br>4 | 2<br>0<br>2<br>5 | 2<br>0<br>2<br>6 | 2<br>0<br>2<br>7 | 2<br>0<br>2<br>8 | 2<br>0<br>2<br>9 | 2<br>0<br>3<br>0 | 2<br>0<br>3<br>1 | 2<br>0<br>3<br>2 | 2<br>0<br>3<br>3 | 2<br>0<br>3<br>4 | 2<br>0<br>3<br>5 | 2<br>0<br>3<br>6 | 2<br>0<br>3<br>7 | 2<br>0<br>3<br>8 | 2<br>0<br>3<br>9 | 2<br>0<br>4<br>0 | 2<br>0<br>4<br>1 | 2<br>0<br>4<br>2 | 2<br>0<br>4<br>3 | 2<br>0<br>4<br>4 | 2<br>0<br>4<br>5 | 2<br>0<br>4<br>6 | 2<br>0<br>4<br>7 | 2<br>0<br>4<br>8 | 2<br>0<br>4<br>9 | 2<br>0<br>5<br>0 | 2<br>0<br>5<br>1 | 2<br>0<br>5<br>2 | 2<br>0<br>5<br>3 | 2<br>0<br>5<br>4 | 2<br>0<br>5<br>5 | 2<br>0<br>5<br>6 | 2<br>0<br>5<br>7 | 2<br>0<br>5<br>8 | 2<br>0<br>5<br>9 | 2<br>0<br>6<br>0 | 2<br>0<br>6<br>1 | 2<br>0<br>6<br>2 | 2<br>0<br>6<br>3 | 2<br>0<br>6<br>4 | 2<br>0<br>6<br>5 | 2<br>0<br>6<br>6 | 2<br>0<br>6<br>7 | 2<br>0<br>6<br>8 | 2<br>0<br>6<br>9 | 2<br>0<br>7<br>0 | 2<br>0<br>7<br>1 | 2<br>0<br>7<br>2 | 2<br>0<br>7<br>3 | 2<br>0<br>7<br>4 | 2<br>0<br>7<br>5 | 2<br>0<br>7<br>6 | 2<br>0<br>7<br>7 | 2<br>0<br>7<br>8 | 2<br>0<br>7<br>9 | 2<br>0<br>8<br>0 | 2<br>0<br>8<br>1 | 2<br>0<br>8<br>2 | 2<br>0<br>8<br>3 | 2<br>0<br>8<br>4 | 2<br>0<br>8<br>5 | 2<br>0<br>8<br>6 | 2<br>0<br>8<br>7 | 2<br>0<br>8<br>8 | 2<br>0<br>8<br>9 | 2<br>0<br>9<br>0 | 2<br>0<br>9<br>1 | 2<br>0<br>9<br>2 | 2<br>0<br>9<br>3 | 2<br>0<br>9<br>4 | 2<br>0<br>9<br>5 | 2<br>0<br>9<br>6 | 2<br>0<br>9<br>7 | 2<br>0<br>9<br>8 | 2<br>0<br>9<br>9 | 2<br>1<br>0<br>0 | 2<br>1<br>0<br>1 | 2<br>1<br>0<br>2 | 2<br>1<br>0<br>3 | 2<br>1<br>0<br>4 | 2<br>1<br>0<br>5 | 2<br>1<br>0<br>6 | 2<br>1<br>0<br>7 | 2<br>1<br>0<br>8 | 2<br>1<br>0<br>9 | 2<br>1<br>1<br>0 | 2<br>1<br>1<br>1 | 2<br>1<br>1<br>2 | 2<br>1<br>1<br>3 | 2<br>1<br>1<br>4 | 2<br>1<br>1<br>5 | 2<br>1<br>1<br>6 | 2<br>1<br>1<br>7 | 2<br>1<br>1<br>8 | 2<br>1<br>1<br>9 | 2<br>1<br>2<br>0 | 2<br>1<br>2<br>1 | 2<br>1<br>2<br>2 | 2<br>1<br>2<br>3 | 2<br>1<br>2<br>4 | 2<br>1<br>2<br>5 | 2<br>1<br>2<br>6 | 2<br>1<br>2<br>7 | 2<br>1<br>2<br>8 | 2<br>1<br>2<br>9 | 2<br>1<br>3<br>0 | 2<br>1<br>3<br>1 | 2<br>1<br>3<br>2 | 2<br>1<br>3<br>3 | 2<br>1<br>3<br>4 | 2<br>1<br>3<br>5 | 2<br>1<br>3<br>6 | 2<br>1<br>3<br>7 | 2<br>1<br>3<br>8 | 2<br>1<br>3<br>9 | 2<br>1<br>4<br>0 | 2<br>1<br>4<br>1 | 2<br>1<br>4<br>2 | 2<br>1<br>4<br>3 | 2<br>1<br>4<br>4 | 2<br>1<br>4<br>5 | 2<br>1<br>4<br>6 | 2<br>1<br>4<br>7 | 2<br>1<br>4<br>8 | 2<br>1<br>4<br>9 | 2<br>1<br>5<br>0 | 2<br>1<br>5<br>1 | 2<br>1<br>5<br>2 | 2<br>1<br>5<br>3 | 2<br>1<br>5<br>4 | 2<br>1<br>5<br>5 | 2<br>1<br>5<br>6 | 2<br>1<br>5<br>7 | 2<br>1<br>5<br>8 | 2<br>1<br>5<br>9 | 2<br>1<br>6<br>0 | 2<br>1<br>6<br>1 | 2<br>1<br>6<br>2 | 2<br>1<br>6<br>3 | 2<br>1<br>6<br>4 | 2<br>1<br>6<br>5 | 2<br>1<br>6<br>6 | 2<br>1<br>6<br>7 | 2<br>1<br>6<br>8 | 2<br>1<br>6<br>9 | 2<br>1<br>7<br>0 | 2<br>1<br>7<br>1 | 2<br>1<br>7<br>2 | 2<br>1<br>7<br>3 | 2<br>1<br>7<br>4 | 2<br>1<br>7<br>5 | 2<br>1<br>7<br>6 | 2<br>1<br>7<br>7 | 2<br>1<br>7<br>8 | 2<br>1<br>7<br>9 | 2<br>1<br>8<br>0 | 2<br>1<br>8<br>1 | 2<br>1<br>8<br>2 | 2<br>1<br>8<br>3 | 2<br>1<br>8<br>4 | 2<br>1<br>8<br>5 | 2<br>1<br>8<br>6 | 2<br>1<br>8<br>7 | 2<br>1<br>8<br>8 | 2<br>1<br>8<br>9 | 2<br>1<br>9<br>0 | 2<br>1<br>9<br>1 | 2<br>1<br>9<br>2 | 2<br>1<br>9<br>3 | 2<br>1<br>9<br>4 | 2<br>1<br>9<br>5 | 2<br>1<br>9<br>6 | 2<br>1<br>9<br>7 | 2<br>1<br>9<br>8 | 2<br>1<br>9<br>9 | 2<br>2<br>0<br>0 | 2<br>2<br>0<br>1 | 2<br>2<br>0<br>2 | 2<br>2<br>0<br>3 | 2<br>2<br>0<br>4 | 2<br>2<br>0<br>5 | 2<br>2<br>0<br>6 | 2<br>2<br>0<br>7 | 2<br>2<br>0<br>8 | 2<br>2<br>0<br>9 | 2<br>2<br>1<br>0 | 2<br>2<br>1<br>1 | 2<br>2<br>1<br>2 | 2<br>2<br>1<br>3 | 2<br>2<br>1<br>4 | 2<br>2<br>1<br>5 | 2<br>2<br>1<br>6 | 2<br>2<br>1<br>7 | 2<br>2<br>1<br>8 | 2<br>2<br>1<br>9 | 2<br>2<br>2<br>0 | 2<br>2<br>2<br>1 | 2<br>2<br>2<br>2 | 2<br>2<br>2<br>3 | 2<br>2<br>2<br>4 | 2<br>2<br>2<br>5 | 2<br>2<br>2<br>6 | 2<br>2<br>2<br>7 | 2<br>2<br>2<br>8 | 2<br>2<br>2<br>9 | 2<br>2<br>3<br>0 | 2<br>2<br>3<br>1 | 2<br>2<br>3<br>2 | 2<br>2<br>3<br>3 | 2<br>2<br>3<br>4 | 2<br>2<br>3<br>5 | 2<br>2<br>3<br>6 | 2<br>2<br>3<br>7 | 2<br>2<br>3<br>8 | 2<br>2<br>3<br>9 | 2<br>2<br>4<br>0 | 2<br>2<br>4<br>1 | 2<br>2<br>4<br>2 | 2<br>2<br>4<br>3 | 2<br>2<br>4<br>4 | 2<br>2<br>4<br>5 | 2<br>2<br>4<br>6 | 2<br>2<br>4<br>7 | 2<br>2<br>4<br>8 | 2<br>2<br>4<br>9 | 2<br>2<br>5<br>0 | 2<br>2<br>5<br>1 | 2<br>2<br>5<br>2 | 2<br>2<br>5<br>3 | 2<br>2<br>5<br>4 | 2<br>2<br>5<br>5 | 2<br>2<br>5<br>6 | 2<br>2<br>5<br>7 | 2<br>2<br>5<br>8 | 2<br>2<br>5<br>9 | 2<br>2<br>6<br>0 | 2<br>2<br>6<br>1 | 2<br>2<br>6<br>2 | 2<br>2<br>6<br>3 | 2<br>2<br>6<br>4 | 2<br>2<br>6<br>5 | 2<br>2<br>6<br>6 | 2<br>2<br>6<br>7 | 2<br>2<br>6<br>8 | 2<br>2<br>6<br>9 | 2<br>2<br>7<br>0 | 2<br>2<br>7<br>1 | 2<br>2<br>7<br>2 | 2<br>2<br>7<br>3 | 2<br>2<br>7<br>4 | 2<br>2<br>7<br>5 | 2<br>2<br>7<br>6 | 2<br>2<br>7<br>7 | 2<br>2<br>7<br>8 | 2<br>2<br>7<br>9 | 2<br>2<br>8<br>0 | 2<br>2<br>8<br>1 | 2<br>2<br>8<br>2 | 2<br>2<br>8<br>3 | 2<br>2<br>8<br>4 | 2<br>2<br>8<br>5 | 2<br>2<br>8<br>6 | 2<br>2<br>8<br>7 | 2<br>2<br>8<br>8 | 2<br>2<br>8<br>9 | 2<br>2<br>9<br>0 | 2<br>2<br>9<br>1 | 2<br>2<br>9<br>2 | 2<br>2<br>9<br>3 | 2<br>2<br>9<br>4 | 2<br>2<br>9<br>5 | 2<br>2<br>9<br>6 | 2<br>2<br>9<br>7 | 2<br>2<br>9<br>8 | 2<br>2<br>9<br>9 | 2<br>3<br>0<br>0 | 2<br>3<br>0<br>1 | 2<br>3<br>0<br>2 | 2<br>3<br>0<br>3 | 2<br>3<br>0<br>4 | 2<br>3<br>0<br>5 | 2<br>3<br>0<br>6 | 2<br>3<br>0<br>7 | 2<br>3<br>0<br>8 | 2<br>3<br>0<br>9 | 2<br>3<br>1<br>0 | 2<br>3<br>1<br>1 | 2<br>3<br>1<br>2 | 2<br>3<br>1<br>3 | 2<br>3<br>1<br>4 | 2<br>3<br>1<br>5 | 2<br>3<br>1<br>6 | 2<br>3<br>1<br>7 | 2<br>3<br>1<br>8 | 2<br>3<br>1<br>9 | 2<br>3<br>2<br>0 | 2<br>3<br>2<br>1 | 2<br>3<br>2<br>2 | 2<br>3<br>2<br>3 | 2<br>3<br>2<br>4 | 2<br>3<br>2<br>5 | 2<br>3<br>2<br>6 | 2<br>3<br>2<br>7 | 2<br>3<br>2<br>8 | 2<br>3<br>2<br>9 | 2<br>3<br>3<br>0 | 2<br>3<br>3<br>1 | 2<br>3<br>3<br>2 | 2<br>3<br>3<br>3 | 2<br>3<br>3<br>4 | 2<br>3<br>3<br>5 | 2<br>3<br>3<br>6 | 2<br>3<br>3<br>7 | 2<br>3<br>3<br>8 | 2<br>3<br>3<br>9 | 2<br>3<br>4<br>0 | 2<br>3<br>4<br>1 | 2<br>3<br>4<br>2 | 2<br>3<br>4<br>3 | 2<br>3<br>4<br>4 | 2<br>3<br>4<br>5 | 2<br>3<br>4<br>6 | 2<br>3<br>4<br>7 | 2<br>3<br>4<br>8 | 2<br>3<br>4<br>9 | 2<br>3<br>5<br>0 | 2<br>3<br>5<br>1 | 2<br>3<br>5<br>2 | 2<br>3<br>5<br>3 | 2<br>3<br>5<br>4 | 2<br>3<br>5<br>5 | 2<br>3<br>5<br>6 | 2<br>3<br>5<br>7 | 2<br>3<br>5<br>8 | 2<br>3<br>5<br>9 | 2<br>3<br>6<br>0 | 2<br>3<br>6<br>1 | 2<br>3<br>6<br>2 | 2<br>3<br>6<br>3 | 2<br>3<br>6<br>4 | 2<br>3<br>6<br>5 | 2<br>3<br>6<br>6 | 2<br>3<br>6<br>7 | 2<br>3<br>6<br>8 | 2<br>3<br>6<br>9 | 2<br>3<br>7<br>0 | 2<br>3<br>7<br>1 | 2<br>3<br>7<br>2 | 2<br>3<br>7<br>3 | 2<br>3<br>7<br>4 | 2<br>3<br>7<br>5 | 2<br>3<br>7<br>6 | 2<br>3<br>7<br>7 | 2<br>3<br>7<br>8 | 2<br>3<br>7<br>9 | 2<br>3<br>8<br>0 | 2<br>3<br>8<br>1 | 2<br>3<br>8<br>2 | 2<br>3<br>8<br>3 | 2<br>3<br>8<br>4 | 2<br>3<br>8<br>5 | 2<br>3<br>8<br>6 | 2<br>3<br>8<br>7 | 2<br>3<br>8<br>8 | 2<br>3<br>8<br>9 | 2<br>3<br>9<br>0 | 2<br>3<br>9<br>1 | 2<br>3<br>9<br>2 | 2<br>3<br>9<br>3 | 2<br>3<br>9<br>4 | 2<br>3<br>9<br>5 | 2<br>3<br>9<br>6 | 2<br>3<br>9<br>7 | 2<br>3<br>9<br>8 | 2<br>3<br>9<br>9 | 2<br>4<br>0<br>0 | 2<br>4<br>0<br>1 | 2<br>4<br>0<br>2 | 2<br>4<br>0<br>3 | 2<br>4<br>0<br>4 | 2<br>4<br>0<br>5 | 2<br>4<br>0<br>6 | 2<br>4<br>0<br>7 | 2<br>4<br>0<br>8 | 2<br>4<br>0<br>9 | 2<br>4<br>1<br>0 | 2<br>4<br>1<br>1 | 2<br>4<br>1<br>2 | 2<br>4<br>1<br>3 | 2<br>4<br>1<br>4 | 2<br>4<br>1<br>5 | 2<br>4<br>1<br>6 | 2<br>4<br>1<br>7 | 2<br>4<br>1<br>8 | 2<br>4<br>1<br>9 | 2<br>4<br>2<br>0 | 2<br>4<br>2<br>1 | 2<br>4<br>2<br>2 | 2<br>4<br>2<br>3 | 2<br>4<br>2<br>4 | 2<br>4<br>2<br>5 | 2<br>4<br>2<br>6 | 2<br>4<br>2<br>7 | 2<br>4<br>2<br>8 | 2<br>4<br>2<br>9 | 2<br>4<br>3<br>0 | 2<br>4<br>3<br>1 | 2<br>4<br>3<br>2 | 2<br>4<br>3<br>3 | 2<br>4<br>3<br>4 | 2<br>4<br>3<br>5 | 2<br>4<br>3<br>6 | 2<br>4<br>3<br>7 | 2<br>4<br>3<br>8 | 2<br>4<br>3<br>9 | 2<br>4<br>4<br>0 | 2<br>4<br>4<br>1 | 2<br>4<br>4<br>2 | 2<br>4<br>4<br>3 | 2<br>4<br>4<br>4 | 2<br>4<br>4<br>5 | 2<br>4<br>4<br>6 | 2<br>4<br>4<br>7 | 2<br>4<br>4<br>8 | 2<br>4<br>4<br>9 | 2<br>4<br>5<br>0 | 2<br>4<br>5<br>1 | 2<br>4<br>5<br>2 | 2<br>4<br>5<br>3 | 2<br>4<br>5<br>4 | 2<br>4<br>5<br>5 | 2<br>4<br>5<br>6 | 2<br>4<br>5<br>7 | 2<br>4<br>5<br>8 | 2<br>4<br>5<br>9 | 2<br>4<br>6<br>0 | 2<br>4<br>6<br>1 | 2<br>4<br>6<br>2 | 2<br>4<br>6<br>3 | 2<br>4<br>6<br>4 | 2<br>4<br>6<br>5 | 2<br>4<br>6<br>6 | 2<br>4<br>6<br>7 | 2<br>4<br>6<br>8 | 2<br>4<br>6<br>9 | 2<br>4<br>7<br>0 | 2<br>4<br>7<br>1 | 2<br>4<br>7<br>2 | 2<br>4<br>7<br>3 | 2<br>4<br>7<br>4 | 2<br>4<br>7<br>5 | 2<br>4<br>7<br>6 | 2<br>4<br>7<br>7 | 2<br>4<br>7<br>8 | 2<br>4<br>7<br>9 | 2<br>4<br>8<br>0 | 2<br>4<br>8<br>1 | 2<br>4<br>8<br>2 | 2<br>4<br>8<br>3 | 2<br>4<br>8<br>4 | 2<br>4<br>8<br>5 | 2<br>4<br>8<br>6 | 2<br>4<br>8<br>7 | 2<br>4<br>8<br>8 | 2<br>4<br>8<br>9 | 2<br>4<br>9<br>0 | 2<br>4<br>9<br>1 | 2<br>4<br>9<br>2 | 2<br>4<br>9<br>3 | 2<br>4<br>9<br>4 | 2<br>4<br>9<br>5 | 2<br>4<br>9<br>6 | 2<br>4<br>9<br>7 | 2<br>4<br>9<br>8 | 2<br>4<br>9<br>9 | 2<br>5<br>0<br>0 | 2<br>5<br>0<br>1 | 2<br>5<br>0<br>2 | 2<br>5<br>0<br>3 | 2<br>5<br>0<br>4 | 2<br>5<br>0<br>5 | 2<br>5<br>0<br>6 | 2<br>5<br>0<br>7 | 2<br>5<br>0<br>8 | 2<br>5<br>0<br>9 | 2<br>5<br>1<br>0 | 2<br>5<br>1<br>1 | 2<br>5<br>1<br>2 | 2<br>5<br>1<br>3 | 2<br>5<br>1<br>4 | 2<br>5<br>1<br>5 | 2<br>5<br>1<br>6 | 2<br>5<br>1<br>7 | 2<br>5<br>1<br>8 | 2<br>5<br>1<br>9 | 2<br>5<br>2<br>0 | 2<br>5<br>2<br>1 | 2<br>5<br>2<br>2 | 2<br>5<br>2<br>3 | 2<br>5<br>2<br>4 | 2<br>5<br>2<br>5 | 2<br>5<br>2<br>6 | 2<br>5<br>2<br>7 | 2<br>5<br>2<br>8 | 2<br>5<br>2<br>9 | 2<br>5<br>3<br>0 | 2<br>5<br>3<br>1 | 2<br>5<br>3<br>2 | 2<br>5<br>3<br>3 | 2<br>5<br>3<br>4 | 2<br>5<br>3<br>5 | 2<br>5<br>3<br>6 | 2<br>5<br>3<br>7 | 2<br>5<br>3<br>8 | 2<br>5<br>3<br>9 | 2<br>5<br>4<br>0 | 2<br>5<br>4<br>1 | 2<br>5<br>4<br>2 | 2<br>5<br>4<br>3 | 2<br>5<br>4<br>4 | 2<br>5<br>4<br>5 | 2<br>5<br>4<br>6 | 2<br>5<br>4<br>7 | 2<br>5<br>4<br>8 | 2<br>5<br>4<br>9 | 2<br>5<br>5<br>0 | 2<br>5<br>5<br>1 | 2<br>5<br>5<br>2 | 2<br>5<br>5<br>3 | 2<br>5<br>5<br>4 | 2<br>5<br>5<br>5 | 2<br>5<br>5<br>6 | 2<br>5<br>5<br>7 | 2<br>5<br>5<br>8 | 2<br>5<br>5<br>9 | 2<br>5<br>6<br>0 | 2<br>5<br>6<br>1 | 2<br>5<br>6<br>2 | 2<br>5<br>6<br>3 | 2<br>5<br>6<br>4 | 2<br>5<br>6<br>5 | 2<br>5<br>6<br>6 | 2<br>5<br>6<br>7 | 2<br>5<br>6<br>8 | 2<br>5<br>6<br>9 | 2<br>5<br>7<br>0 | 2<br>5<br>7<br>1 | 2<br>5<br>7<br>2 | 2<br>5<br>7<br>3 | 2<br>5<br>7<br>4 | 2<br>5<br>7<br>5 | 2<br>5<br>7<br>6 | 2<br>5<br>7<br>7 | 2<br>5<br>7<br>8 | 2<br>5<br>7<br>9 | 2<br>5<br>8<br>0 | 2<br>5<br>8<br>1 | 2<br>5<br>8<br>2 | 2<br>5<br>8<br>3 | 2<br>5<br>8<br>4 | 2<br>5<br>8<br>5 | 2<br>5<br>8<br>6 | 2<br>5<br>8<br>7 | 2<br>5<br>8<br>8 | 2<br>5<br>8<br>9 | 2<br>5<br>9<br>0 | 2<br>5<br>9<br>1 | 2<br>5<br>9<br>2 | 2<br>5<br>9<br>3 | 2<br>5<br>9<br>4 | 2<br>5<br>9<br>5 | 2<br>5<br>9<br>6 | 2<br>5<br>9<br>7 | 2<br>5<br>9<br>8 | 2<br>5<br>9<br>9 | 2<br>6<br>0<br>0 | 2<br>6<br>0<br>1 | 2<br>6<br>0<br>2 | 2<br>6<br>0<br>3 | 2<br>6<br>0<br>4 | 2<br>6<br>0<br>5 | 2<br>6<br>0<br>6 | 2<br>6<br>0<br>7 | 2<br>6<br>0<br>8 | 2<br>6<br>0<br>9 | 2<br>6<br>1<br>0 | 2<br>6<br>1<br>1 | 2<br>6<br>1<br>2 | 2<br>6<br>1<br>3 | 2<br>6<br>1<br>4 | 2<br>6<br>1<br>5 | 2<br>6<br>1<br>6 | 2<br>6<br>1<br>7 | 2<br>6<br>1<br>8 | 2<br>6<br>1<br>9 | 2<br>6<br>2<br>0 | 2<br>6<br>2<br>1 | 2<br>6<br>2<br>2 | 2<br>6<br>2<br>3 | 2<br>6<br>2<br>4 | 2<br>6<br>2<br>5 | 2<br>6<br>2<br>6 | 2<br>6<br>2<br>7 | 2<br>6<br>2<br>8 | 2<br>6<br>2<br>9 | 2<br>6<br>3<br>0 | 2<br>6<br>3<br>1 | 2<br>6<br>3<br>2 | 2<br>6<br>3<br>3 | 2<br>6<br>3<br>4 | 2<br>6<br>3<br>5 | 2<br>6<br>3<br>6 | 2<br>6<br>3<br>7 | 2<br>6<br>3<br>8 | 2<br>6<br>3<br>9 | 2<br>6<br>4<br>0 | 2<br>6<br>4<br>1 | 2<br>6<br>4<br>2 | 2<br>6<br>4<br>3 | 2<br>6<br>4<br>4 | 2<br>6<br>4<br>5 | 2<br>6<br>4<br>6 | 2<br>6<br>4<br>7 | 2<br>6<br>4<br>8 | 2<br>6<br>4<br>9 | 2<br>6<br>5<br>0 | 2<br>6<br>5<br>1 | 2<br>6<br>5<br>2 | 2<br>6<br>5<br>3 | 2<br>6<br>5<br>4 | 2<br>6<br>5<br>5 | 2<br>6<br>5<br>6 | 2<br>6<br>5<br>7 | 2<br>6<br>5<br>8 | 2<br>6<br>5<br>9 | 2<br>6<br>6<br>0 | 2<br>6<br>6<br>1 | 2<br>6<br>6<br>2 | 2<br>6<br>6<br>3 | 2<br>6<br>6<br>4 | 2<br>6<br>6<br>5 | 2<br>6<br>6<br>6 | 2<br>6<br>6<br>7 | 2<br>6<br>6<br>8 | 2<br>6<br>6<br>9 | 2<br>6<br>7<br>0 | 2<br>6<br>7<br>1 | 2<br>6<br>7<br>2 | 2<br>6<br>7<br>3 | 2<br>6<br>7<br>4 | 2<br>6<br>7<br>5 |
|--|---------------------------|---------------------------------------|--------------------|--------|--|--|------------------------|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|--|---------------------------|---------------------------------------|--------------------|--------|--|--|------------------------|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: Shelli Vacca  
 Phone: 277-7222


1994 POTENTIAL PROJECT TITLES

Page 1

|  | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS | REGION |     |     | EST<br>COST/YR<br>\$K | EST<br>DURATION<br>(YEARS) | 1994 FUNDING |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---------------------------|---------------------------------------|--------------------|--------|-----|-----|-----------------------|----------------------------|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |                           |                                       |                    | PWS    | KEN | KOD |                       |                            | 1            | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

  
**Valdez Convention & Visitors Bureau**  
280 Chenega St. • Valdez, Alaska 99686 • (907) 835-2984  
FAX (907) 835-4845 • Toll Free 1-800-770-5954

0002940408

RECEIVED

APR 03 1993

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL

TO

*Carol Fries*

FROM

*Nathy Johnson*

date

*4/9/93*

pages to follow

*4*

## Comments:

*The following pages are the  
proposal we discussed.**Thanks  
Nathy*RECEIVED  
OCT 02 1995EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL  
ADMINISTRATIVE RECORD



March 8, 1993

Exxon Valdez Oil Spill Trustee Council  
645 G Street  
Anchorage, AK 99501

Charles E. Cole  
Michael A. Barton  
Carl L. Roster  
Curtis V. McVee  
John A. Sandor  
Steven Pennoyer

Gentlemen:

The Exxon Valdez oil spill continues to negatively impact many people and communities in Prince William (PWS). There is a very strong need to provide the public with accurate information on the impact of the spill, the restoration efforts that are underway and have been completed, the existing conditions in PWS along with ongoing education on the environment and natural resources of PWS and the recreational opportunities which are available. To best accomplish these goals we have developed the attached proposal which would utilize Exxon Valdez settlement funds to establish and build a center for PWS oil spill and natural resource education.

Thank you for the opportunity to submit this proposal. We shall look forward to further discussing this proposal with you. In the meantime I shall remain...

Yours very truly,

*T. F. Plummer*

Timothy F. Plummer  
Chairperson

Partnership for PWS Oil Spill & Natural Resource Education  
P. O. Box 1603  
Valdez, AK 99686

March 8, 1993

## A CENTER FOR PRINCE WILLIAM SOUND OIL SPILL AND NATURAL RESOURCE EDUCATION

### INTRODUCTION

The negative impacts of the Exxon Valdez oil spill have effected many people and communities in Prince William Sound (PWS). This impact continues as other spills in the world are immediately compared to the Exxon Valdez spill and with movies such as "Dead Ahead." This attention quickly refers to the enormity of the spill, discusses and normally shows film footage of oil on the water, dead animals and birds and all the other damage done.

The result of this continuing attention is the reinforcement of the perception that oil is still present and the Sound is no longer pristine, is not desirable as a visitor/tourist destination nor a quality place to live.

No community in Prince William Sound has been impacted more than Valdez. Some businesses are still experiencing reductions in summer visitors, our population grew so quickly during and then again after the spill that it has impacted our schools and housing costs have increased dramatically.

Data exists from studies conducted during the spill and on through 1992 which documents the continuing personal impact of adults as well as children as a result of the spill. The studies clearly show that Valdezian's and other PWS community residents still suffer from post traumatic stress in the forms of depression, marital problems, alcohol and drug abuse, domestic violence and from the frustration of knowing that the negative perceptions are not accurate or founded.

Prior to the spill the Terminal was a major attraction. Valdez has a new and different need for an attraction. One that can initially focus on accurate information on the impact of the spill and restoration efforts and then focus on providing education on the myriad of natural resources present in Prince William Sound. This will benefit Valdez, Prince William Sound, the State of Alaska, many other Americans as well as other countries.

## WHAT

This project is to build a center for Prince William Sound to provide the public with accurate information on the impact of the spill, restoration efforts, existing conditions in PWS and ongoing education on the environment and natural resources and recreational opportunities in PWS.

The location of the center would be Valdez. As the only community on PWS that is accessible by road it provides the greatest amount of access to the most people.

A center located in Valdez would be enhanced by existing facilities such as Prince William Sound Community College and the Valdez Civic Center, which has an auditorium. This combination would provide an opportunity for hosting conferences, symposiums, seminars and other events to provide the latest information on the effects of the spill, and restoration efforts and ongoing education on the environment and natural resources of the Sound.

Restoration should take place where the damage occurred.

## GOAL

Establish a center to:

- Inform and educate the public on the effects and impacts of the Exxon Valdez oil spill, current research and restoration activities.

- Provide the public with an accurate and balanced view of existing conditions in PWS.

- Provide education and understanding to the public of the PWS and Gulf of Alaska environment to enhance their enjoyment and awareness of this area.

- Enhance eco-tourism recreation opportunities and experiences through interpretation of the natural resources and environment.

## OBJECTIVES

Build a center to provide initial education to the public on the effects of the spill, restoration efforts, existing conditions in PWS and ongoing education of the environment and natural resources in PWS including marine and land mammals, sea and upland birds, fishes, flora and fauna, intertidal life, cultural resources, history and recreational opportunities.

The center will provide education to the public through changing displays, video's, handout materials and presentations. The educational coverage would be provided to other Alaskan schools in partnership with the PWS Community College by distance delivery via satellite uplink.

To maximize it's utilization the center would also house the Valdez Convention & Visitors Bureau, the Valdez Chamber of Commerce, the PWS Economic Development Council and other appropriate partners involved in the center.

#### WHY--

Because the negative impacts of the Exxon Valdez oil spill has effected many people and communities in Prince William Sound (PWS) a well established center is needed to provide the public with accurate information on the impact of the spill, restoration efforts that have been completed and are underway, existing conditions in PWS, ongoing education of the environment and natural resources of PWS and recreational opportunities.

#### HOW

Build a center to provide education to the public through partnership with Prince William Sound Community College (A Division of the University of Alaska System), City of Valdez, State of Alaska, City of Cordova, Chugach Alaska Corporation, Tatitlek Corporation, Chenaga Corporation, Eyak Corporation, Valdez Fisheries Development Association, PWS Aquaculture Association, Alaska Department of Natural Resources, U. S. Forest Service, National Oceanographic and Atmospheric Administration, U. S. Fish and Wildlife Service, Alaska Department of Fish & Game and National Marine Fisheries Service.

#### WHEN

Partnership establishment, curriculum development, design and engineering in 1994.

Construction, staffing and startup in 1995.

#### BUDGET

Current budget estimate is 1.5 to 2.0 million.

# STATE OF ALASKA

## DEPARTMENT OF LAW

OFFICE OF THE ATTORNEY GENERAL

RECEIVED

OCT 02 1995 April 30, 1993

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL

Ric Vrsalovic  
P.O. Box 709  
Whittier, Alaska 99693

Dear Mr. Vrsalovic:

Governor Hickel has requested that I reply to your letter of April 4, 1993. You are correct that the spotted shrimp fishery was closed in 1989, but then reopened for a short period in 1990. It was also reopened for a short period in 1991.

Alaska Department of Fish and Game biologists conducted studies of spotted shrimp as part of the EXXON VALDEZ oil spill natural resource damage assessment. Although I have not seen the results of those studies, I have been advised that the scientists were unable to determine whether the oil spill caused a population level injury to the spotted shrimp. The current problems with spotted shrimp appear to be primarily related to overfishing. A report of these findings is currently being circulated among scientific peer reviewers and should be finalized and released to the public in approximately two months.

When the report is finalized a copy will be placed in the Oil Spill Public Information Center Library at 625 G Street, Anchorage, Alaska, telephone number (907) 278-8008. The reports are also placed at 19 public libraries including Loussac in Anchorage, Valdez and Cordova. Although they are not placed in the Whittier library they are available in Whittier through the inter-library loan service. Finally, copies can be purchased at Clays Quality Printing or Time Frame Printing in Anchorage.

Staff for the Trustee Council reviews all study results as they become available and based upon those results makes recommendations to the Trustee Council for restoration projects. The Trustee Council has so far declined to fund a spotted shrimp restoration project. Nevertheless, the Trustee Council solicits and carefully considers public input concerning restoration

15.2.4 141V

WALTER J. HICKEL, GOVERNOR

PLEASE REPLY TO:

■ 1031 WEST 4TH AVENUE, SUITE 200  
ANCHORAGE, ALASKA 99501-1994  
PHONE: (907) 269-5100  
FAX: (907) 276-3697

□ KEY BANK BUILDING  
100 CUSHMAN ST., SUITE 400  
FAIRBANKS, ALASKA 99701-4679  
PHONE: (907) 451-2811  
FAX: (907) 451-2846

□ P.O. BOX 110300 - STATE CAPITOL  
JUNEAU, ALASKA 99811-0300  
PHONE: (907) 465-3600  
FAX: (907) 463-5295

0037940504

RECEIVED  
MAY 04 1993

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL

April 30, 1993  
Ric Vrsalovic

Page 2

projects. I have taken the liberty of forwarding your letter to Dave Gibbons, interim administrative director for the Trustee Council so that your proposal may be considered.

Sincerely,

CHARLES E. COLE  
ATTORNEY GENERAL

By: 

Alex Swiderski  
Assistant Attorney General

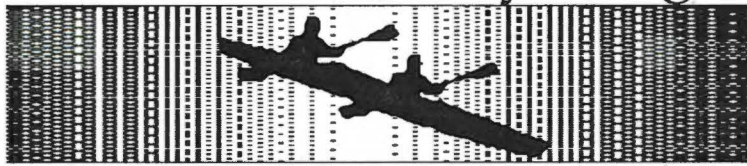
AMS:akb

cc: Dave Gibbons ✓





## Wavetamer Kayaking



KAYAK KODIAK TOURS

POB 228 • Kodiak, Alaska 99615 • Ph: 907-486-2604

May 14, 1993

Exxon Valdez Trustee Council  
1994 Work Plan Group  
645 G Street  
Anchorage, AK 99615

RECEIVED  
OCT 02 1995

0115940520  
RECEIVED  
MAY 20 1993  
EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL

Dear Exxon Valdez Trustee Council,

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL  
ADMINISTRATIVE RECORD

I urge you to pay particular attention to the suggestions and recommendations of the following organizations who are submitting their list of priorities to you regarding the 1994 Restoration Plan-Exxon Valdez Civil Settlement:

- 1) The Alaska Wilderness Recreation and Tourism Association;
- 2) The Kodiak State Parks Citizens Advisory Board (KSPCAB); and the
- 3) Kodiak Audubon Society.

Some of the priority projects proposed by the KSPCAB include:

- #202 Acquisition of recreational sites on the Kodiak road system
- #203 Land exchange, Shuyak for Kodiak land on road system
- #1 through #16 Archaeological projects (Speciman collection, Univ. of Alaska; Nuchek Heritage Center; various acquisition, inventory, restoration and historical priorities; and any site monitoring programs which I personally feel is very crucial. (also #119, 128, 129)

Mitigation opportunities must be prioritized using a scale that takes into account the immediate jeopardy of archaeological sites; critical land use changes and those which will have the longest, positive affect on the environment - all toward the benefit of future generations of humankind.

Thank you for considering these suggestions.

Tom Watson, Owner-Manager  
WAVETAMER KAYAKING

## ACTIVE MEMBER:

Trade Association of Sea Kayaking • Kodiak Island CVB  
• Alaska Visitors Association • Alaska Wilderness Recreation & Tourism Assoc. • The Ecotourism Society

•Printed on Recycled Paper



Name: Tom Holton

Phone: \_\_\_\_\_

## 1994 POTENTIAL PROJECT TITLES

Page 7

| LINE | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS | REGION |  |  | EST.<br>COST/YR<br>(\$K) | EST.<br>DURATION<br>(YEARS) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|------|---------------------------|---------------------------------------|--------------------|--------|--|--|--------------------------|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|------|---------------------------|---------------------------------------|--------------------|--------|--|--|--------------------------|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Page 10

93=Funded in 1993 M=Multi-year Project

Page 6

93=Funded in 1993 M=Multi-year Project



Name: Tom Wala  
Phone: \_\_\_\_\_

# 1994 POTENTIAL PROJECT TITLES

Page 1

| LINE NO. | RESOURCE            | RESTORATION OPTION                 | POTENTIAL PROJECTS  | REGION |     |     | ESTIMATE | DURATION (YEARS) | FUNDING |      |      |      |      |      |      |      |      |      |      |      |
|----------|---------------------|------------------------------------|---|--------|-----|-----|----------|------------------|---------|------|------|------|------|------|------|------|------|------|------|------|
|          |                     |                                    |   | PWS    | KOD | OUT |          |                  | 1993    | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
| 1        | Archaeology         | Acquire Archaeological Artifacts   | Archaeological Specimens Collection, University of Alaska Museum                    | X      | X   | X   | \$41     | M                |         |      |      |      |      |      |      |      |      |      |      |      |
| 2        |                     | Acquire Archaeological Artifacts   | Nuchek Heritage Interpretive Center, Design   | X      |     |     | \$300    | 1                |         |      |      |      |      |      |      |      |      |      |      |      |
| 3        |                     | Habitat Protection and Acquisition | Archaeological Site Acquisition   | X      | X   | X   | \$200    | M                |         |      |      |      |      |      |      |      |      |      |      |      |
| 4        |                     | Intensified Management             | Coastal Archaeological Inventory and Evaluation of Archaeological Sites-Interagency | X      | X   | X   | \$525    | M                |         |      |      |      |      |      |      |      |      |      |      |      |
| 5        |                     | Intensified Management             | Vandalized Cultural Resources-Inventory, Evaluation, Interpretation                 | X      | X   | X   | \$400    | M                |         |      |      |      |      |      |      |      |      |      |      |      |
| 6        |                     | Option Not Identified              | Restoration of Chenega Village Site   | X      |     |     | \$75     | 1                |         |      |      |      |      |      |      |      |      |      |      |      |
| 7        |                     | Option Not Identified              | Site-specific Archaeological Restoration - Interagency                              | X      | X   | X   | \$300    | 93 - M           |         |      |      |      |      |      |      |      |      |      |      |      |
| 8        |                     | Public Information                 | Passports in Time-Cultural Resource Patterns in PWS                                 | X      |     |     | \$230    | M                |         |      |      |      |      |      |      |      |      |      |      |      |
| 9        |                     | Public Information                 | Heritage Information Replacement  | X      | X   | X   | \$200    | M                |         |      |      |      |      |      |      |      |      |      |      |      |
| 10       |                     | Public Information                 | PWS Landmarks-Evaluation and Interpretation   | X      |     |     | \$400    | M                |         |      |      |      |      |      |      |      |      |      |      |      |
| 11       |                     | Public Information                 | Public Education and Interpretation of Archaeological Resource                      | X      | X   | X   | \$400    | M                |         |      |      |      |      |      |      |      |      |      |      |      |
| 12       |                     | Restoration Monitoring             | Study of Petroleum Hydrocarbon Spectra at Selected Sites                            | X      | X   | X   | \$225    | M                |         |      |      |      |      |      |      |      |      |      |      |      |
| 13       |                     | Site Patrol and Monitoring         | Archaeological Site Protection-Public Education-Interagency                         | X      | X   | X   | \$150    | M                |         |      |      |      |      |      |      |      |      |      |      |      |
| 14       |                     | Site Patrol and Monitoring         | Archaeological Site Protection-Site Patrol Monitoring-Interagency                   | X      | X   | X   | \$210    | M                |         |      |      |      |      |      |      |      |      |      |      |      |
| 15       |                     | Site Stewardship Program           | Archaeological Site Stewardship Program   | X      | X   | X   | \$114    | M                |         |      |      |      |      |      |      |      |      |      |      |      |
| 16       |                     | Visitor Center                     | Chugach National Forest Heritage Interpretive Center, Design                        | X      |     |     | \$1,200  | 1                |         |      |      |      |      |      |      |      |      |      |      |      |
| 17       | Bald Eagle          | Habitat Protection                 | Identification and Protection of Important Bald Eagle Habitats                      | X      | X   | X   | \$262    | M                |         |      |      |      |      |      |      |      |      |      |      |      |
| 18       |                     | Recovery Monitoring                | Bald Eagle Productivity Survey and Catalog  | X      | X   | X   | \$10     | M                |         |      |      |      |      |      |      |      |      |      |      |      |
| 19       |                     | Recovery Monitoring                | Long-Term Population Monitoring for Bald Eagles                                     | X      | X   | X   | \$200    | M                |         |      |      |      |      |      |      |      |      |      |      |      |
| 20       | Black Oystercatcher | Recovery Monitoring                | Black Oystercatcher Interaction with Intertidal Communities                         | X      | X   | X   | \$108    | 93 - M           |         |      |      |      |      |      |      |      |      |      |      |      |
| 21       |                     | Recovery Monitoring                | Feeding Ecology and Reproductive Success of Black Oystercatchers in PWS             | X      |     |     | \$125    | M                |         |      |      |      |      |      |      |      |      |      |      |      |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

CHARLES  
PO BOX 6  
WHITTIER

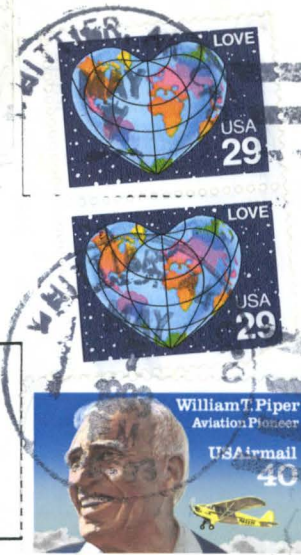
CHARLES F WELLER  
BOX 674  
TTER AK 99693

1993  
PARTNER



15.2.4 143W

EXXON VALDEZ TRUSTEE COUNCIL  
1994 Work Plan Work Group  
645 "G" Street  
Anchorage, Alaska 99501



322 EIGHTH AVENUE NEW YORK, NEW YORK 10001

AM



VAL

RECEIVED  
OCT 02 1995

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL  
ADMINISTRATIVE RECORD

0054940511  
RECEIVED  
MAY 11 1993

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL



Resources: Summary of Results of Injury Assessment Studies Done After the *Exxon Valdez* Oil Spill

| Resource              | Description of Injury                              |                                       |  | Status of Recovery in December, 1992    |   | Geographic Extent of Injury (a) |         |         |               | Comments/Discussion   |
|-----------------------|--|---------------------------------------|--|---|---|---------------------------------|---------|---------|---------------|---|
|                       | Oil Spill Mortality (total mortality estimate) (b) | Decline in Population after the spill | Evidence of Sublethal or Chronic Effects | Current Population Status               | Evidence of Continuing Sublethal or Chronic Effects | PWS                             | Kenai   | Kodiak  | Alaska Penin. |   |
| NOT entirely accurate |  |                                       |  |   |   |                                 |         |         |               |   |
| MARINE MAMMALS        |  |                                       |  |   |   |                                 |         |         |               |   |
| Harbor Seals (c)      | YES<br>(200)                                       | YES                                   | YES                                      | POSSIBLY STABLE, BUT NOT RECOVERING (a) | UNKNOWN   | YES                             | YES (d) | UNKNOWN | UNKNOWN       | Many seals were directly oiled . There was a measurable difference in populations between oiled and unoiled areas in PWS in 1989 and 1990, Population was declining prior to the spill and no recovery evident in 1992. Oil residues found in seal bile were 5 to 6 times higher in oiled areas than unoiled areas in 1990. |
| Humpback Whales       | NO   | NO                                    | NO                                       | (e)                                     | (e)   | (e)                             | (e)     | (e)     | (e)           | Other than fewer animals being observed in Knight Island Passage in summer 1989, which did not persist in 1990, the oil spill did not have a measurable impact on the north Pacific population of humpback whales.  |
| Killer Whales         | YES<br>(13)  | YES                                   | UNKNOWN                                  | RECOVERING                              | UNKNOWN   | YES                             | UNKNOWN | UNKNOWN | UNKNOWN       | 13 Adult whales of the 36 in AB pod are missing and presumed dead. The AB pod has grown by 2 whales since 1990. Circumstantial evidence link whale disappearance to oiling.   |
| Sea Lions (c)         | UNKNOWN  | UNKNOWN                               | NO                                       | CONTINUING DECLINE                      | (e)   | (e)                             | (e)     | (e)     | (e)           | Several sea lions were observed with oiled pe and oil residues were found in some tissues. .. was not possible to determine population effects or cause of death of carcasses recovered. Sea lion populations were declining prior to the oil spill.  |

- (a) There may have been an unequal distribution of injury within each region;  
 (b) Adjusted for carcasses not found, not reported, scavenged, or otherwise lost;  
 (c) Population may have been declining prior to the spill;  
 (d) Based on recovery of dead animals from this region of the spill zone;  
 (e) If no injury was detected or known, no assessment of recovery could be made;  
 (f) Total body count, not adjusted for carcasses not found.

| Resource                   | Description of Injury                              |                                       |  | Status of Recovery in December, 1992 |   | Geographic Extent of Injury (a) |         |         |               | Comments/Discussion  |
|----------------------------|--|---------------------------------------|--|--------------------------------------|---|---------------------------------|---------|---------|---------------|--|
|                            | Oil Spill Mortality (total mortality estimate) (b) | Decline in Population after the spill | Evidence of Sublethal or Chronic Effects | Current Population Status            | Evidence of Continuing Sublethal or Chronic Effects | PWS                             | Kenai   | Kodiak  | Alaska Penin. |  |
| Sea Otters                 | YES<br>(3,500 TO 5,000)                            | YES                                   | YES                                      | STABLE, BUT NOT RECOVERING           | YES, POSSIBLY                                       | YES                             | YES     | YES (d) | YES (d)       | Post-spill surveys showed measurable difference in populations and survival between oiled and unoled areas in 1989, 1990 and 1991. Survey data have not established a significant recovery. Prime-age animals were still found on beaches in 1989, 1990 and 1991. Carcasses of sea otters feed in the lower intertidal and subtidal areas and may still be exposed to hydrocarbons in the environment. |
| <b>TERRESTRIAL MAMMALS</b> |  |                                       |  |                                      |   |                                 |         |         |               |  |
| Black Bear                 | NO   | UNKNOWN                               | UNKNOWN                                  | (e)                                  | (e)   | (e)                             | (e)     | (e)     | (e)           | No field studies were done.  |
| Brown Bear                 | NO   | NO                                    | NO                                       | (e)                                  | (e)   | (e)                             | (e)     | (e)     | (e)           | Hydrocarbon exposure was documented on Alaska Peninsula in 1989 including high hydrocarbon levels in the bile of one dead cub. Brown bear feed in the intertidal zone and may still be exposed to hydrocarbons in the environment.   |
| River Otters               | YES<br>(NUMBER UNKNOWN)                            | UNKNOWN                               | YES                                      | UNKNOWN                              | YES   | YES                             | UNKNOWN | UNKNOWN | UNKNOWN       | Exposure to hydrocarbons and sub-lethal effects were determined, but no effects were established on population. Sub-lethal indicators of possible oil exposure remained in 1991. River otters feed in the intertidal and shallow subtidal areas and may be still be exposed to hydrocarbons in the environment.  |
| Sitka Black-tailed Deer    | NO   | NO                                    | NO                                       | (e)                                  | (e)   | (e)                             | (e)     | (e)     | (e)           | Elevated hydrocarbons were found in tissues in some deer in 1989.  |

- (a) There may have been an unequal distribution of injury within each region;  
(b) Adjusted for carcasses not found, not reported, scavenged, or otherwise lost;  
(c) Population may have been declining prior to the spill;  
(d) Based on recovery of dead animals from this region of the spill zone;  
(e) If no injury was detected or known, no assessment of recovery could be made;  
(f) Total body count, not adjusted for carcasses not found.



| Resource                | Description of Injury                              |                                       |  | Status of Recovery in December, 1992 |   | Geographic Extent of Injury (a) |         |         |               | Comments/Discussion  |
|-------------------------|--|---------------------------------------|--|--------------------------------------|---|---------------------------------|---------|---------|---------------|--|
|                         | Oil Spill Mortality (total mortality estimate) (b) | Decline in Population after the spill | Evidence of Sublethal or Chronic Effects | Current Population Status            | Evidence of Continuing Sublethal or Chronic Effects | PWS                             | Kenai   | Kodiak  | Alaska Penin. |  |
| BIRDS                   |  |                                       |  |                                      |   |                                 |         |         |               |  |
| Bald Eagles             | YES<br>(614-902)                                   | YES                                   | YES                                      | RECOVERING                           | UNKNOWN   | YES                             | YES     | YES (d) | YES(d)        | Productivity in PWS was disrupted in 1989, but returned to normal in 1990. Exposure to hydrocarbons and some sub-lethal effects were f in 1989 and 1990, but no continuing effects were observed on populations.   |
| Black-legged Kittiwakes | YES<br>(NUMBER UNKNOWN)                            | NO                                    | NO                                       | NO CHANGE                            | NO  | YES                             | YES (d) | YES (d) | YES (d)       | Total reproductive success in oiled and unoiled areas of PWS has declined since 1989. Hydrocarbon contaminated tissues were detected in 1989. Hydrocarbon contaminated stomach contents were detected in 1989 and 1990. This species is known for great natural variation and reproductive failure may be unrelated to the oil spill.  |
| Black Oyster-catchers   | YES<br>(129 ADULTS; UNKNOWN FOR CHICKS (f))        | YES                                   | YES                                      | RECOVERING                           | YES   | YES                             | YES (d) | YES (d) | YES (d)       | Differences in egg size between oiled and unoiled areas were found in 1989. Exposure to hydrocarbons and some sublethal effects were determined. Populations declined more in oiled areas than unoiled areas in post-spill surveys in 1989, 1990 and 1991. Black oystercatchers feed in the intertidal areas and may be still be exposed to hydrocarbons in the environment. |
| Common Murres           | YES<br>(175,000 to 300,000)                        | YES                                   | YES                                      | DEGREE OF RECOVERY VARIES IN COLONY  | YES   | NO                              | YES     | YES     | YES           | Measurable impacts on populations were recorded in 1989, 1990 and 1991. Breeding is still inhibi in some colonies in the Gulf of Alaska.   |
| Glaucous-winged gulls   | YES<br>(NUMBER UNKNOWN)                            | NOT DETECTED                          | NO                                       | NO CHANGE                            | NO  | YES (d)                         | YES (d) | YES (d) | YES (d)       | While dead birds were recovered in 1989, there is no evidence of a population level impact when compared to historic (1972, 1973) population levels.   |

- (a) There may have been an unequal distribution of injury within each region;  
 (b) Adjusted for carcasses not found, not reported, scavenged, or otherwise lost;  
 (c) Population may have been declining prior to the spill;  
 (d) Based on recovery of dead animals from this region of the spill zone;  
 (e) If no injury was detected or known, no assessment of recovery could be made;  
 (f) Total body count, not adjusted for carcasses not found.

| Resource                  | Description of Injury                              |                                       |  | Status of Recovery in December, 1992 |   | Geographic Extent of Injury (a) |         |         |               | Comments/Discussion   |
|---------------------------|--|---------------------------------------|--|--------------------------------------|---|---------------------------------|---------|---------|---------------|---|
|                           | Oil Spill Mortality (total mortality estimate) (b) | Decline in Population after the spill | Evidence of Sublethal or Chronic Effects | Current Population Status            | Evidence of Continuing Sublethal or Chronic Effects | PWS                             | Kenai   | Kodiak  | Alaska Penin. |   |
| Harlequin Ducks           | YES (423)  | YES                                   | YES                                      | STABLE OR CONTINUING DECLINE         | YES   | YES                             | YES (d) | YES (d) | YES (d)       | Post-spill samples showed hydrocarbon contamination and poor body conditions. Surveys in 1990-1992 indicated population declines and near total reproductive failure. Harlequin ducks feed in the intertidal and shallow subtidal areas and may still be exposed to hydrocarbons in the environment.  |
| Marbled Murrelets (c)     | YES (8,000 TO 12,000)                              | YES                                   | UNKNOWN                                  | STABLE OR CONTINUING DECLINE         | UNKNOWN   | YES                             | YES (d) | YES (d) | YES (d)       | Measurable population effects on were recorded in 1989, 1990 and 1991. Marbled murrelet populations were declining prior to the spill. Hydrocarbon contamination was found in livers of adult birds.  |
| Peale's Peregrine Falcons | UNKNOWN  | UNKNOWN                               | NO                                       | (e)                                  | (e)   | (e)                             | (e)     | (e)     | (e)           | When compared to 1985 surveys a reduction in population and lower than expected productivity was measured in 1989 in the PWS. Cause of these changes are unknown.   |
| Pigeon Guillemots (c)     | YES (1,500 TO 3,000)                               | YES                                   | NO                                       | STABLE OR CONTINUING DECLINE         | UNKNOWN   | YES                             | YES (d) | YES (d) | YES (d)       | Pigeon guillemot populations were declining prior to the spill. Hydrocarbon contamination was found in birds and, externally, on eggs.  |
| Storm Petrels             | YES (NUMBER UNKNOWN)                               | NO                                    | AWAITING RESULTS                         | NO CHANGE                            | UNKNOWN   | YES (d)                         | YES (d) | YES (d) | YES (d)       | Few carcasses were recovered in 1989 although petrels ingested oil and transferred oil to their eggs. Reproduction was normal in 1989.  |
| Other Seabirds            | YES (375,000-435,000)                              | VARIES BY SPECIES                     | UNKNOWN                                  | VARIES BY SPECIES                    | UNKNOWN   | YES (d)                         | YES (d) | YES (d) | YES (d)       | Seabird recovery has not been studied. Species collected dead in 1989 include common, yellow-billed, pacific, red-throated loon; red-necked and horned grebe; northern fulmar; sooty and short-tailed shearwater; double-crested, pelagic, and red-faced cormorant; herring and mew gull; arctic and Aleutian tern; Kittlitz's and ancient murrelet, Cassin's, least, parakeet, and rhinoceros auklet and horned and tufted puffin. |

- (a) There may have been an unequal distribution of injury within each region;  
(b) Adjusted for carcasses not found, not reported, scavenged, or otherwise lost;  
(c) Population may have been declining prior to the spill;  
(d) Based on recovery of dead animals from this region of the spill zone;  
(e) If no injury was detected or known, no assessment of recovery could be made;  
(f) Total body count, not adjusted for carcasses not found.



| Resource         | Description of Injury                              |                                       |  | Status of Recovery in December, 1992 |   | Geographic Extent of Injury (a) |         |         |               | Comments/Discussion  |
|------------------|--|---------------------------------------|--|--------------------------------------|---|---------------------------------|---------|---------|---------------|--|
|                  | Oil Spill Mortality (total mortality estimate) (b) | Decline in Population after the spill | Evidence of Sublethal or Chronic Effects | Current Population Status            | Evidence of Continuing Sublethal or Chronic Effects | PWS                             | Kenai   | Kodiak  | Alaska Penin. |  |
| Other Sea Ducks  | YES (875) (b)                                      | NO                                    | UNKNOWN                                  | UNKNOWN                              | UNKNOWN   | YES                             | YES (d) | YES (d) | YES (d)       | Species collected dead in 1989 include Stellar's, king and common eider; white-winged, surf and black scoter; oldsquaw; bufflehead; common and Barrow's goldeneye; and common and red-breasted merganser. Sea ducks tend to feed in the intertidal and shallow subtidal areas which were most heavily impacted by oil.   |
| Other Shorebirds | YES (NUMBER UNKNOWN)                               | UNKNOWN                               | UNKNOWN                                  | UNKNOWN                              | UNKNOWN   | YES                             | YES (d) | YES (d) | YES (d)       | Species collected dead in 1989 include golden plover; lesser yellowlegs; semipalmated, western, least and Baird's sandpiper; surfbird; short-billed dowitcher; common snipe; red and red-necked phalarope.   |
| Other Birds      | YES (NUMBER UNKNOWN)                               | UNKNOWN                               | UNKNOWN                                  | UNKNOWN                              | UNKNOWN   | YES (d)                         | YES (d) | YES (d) | YES (d)       | Species collected dead in 1989 include emperor and Canada goose; brant; mallard; northern pintail; green-winged teal; greater and lesser scaup; ruddy duck; great blue heron; long-tailed jaeger; willow ptarmigan; great-horned owl; Stellar's jay; magpie; common raven; northwestern crow; robin; varied and hermit thrush; yellow warbler; pine grosbeak; savannah and golden-crowned sparrow; white-winged crossbill. |
| <b>FISH</b>      |  |                                       |  |                                      |   |                                 |         |         |               |  |
| Cutthroat Trout  | YES, SEE COMMENTS                                  | POSSIBLY                              | YES                                      | STABLE, BUT NOT RECOVERING           | UNKNOWN   | YES                             | UNKNOWN | UNKNOWN | UNKNOWN       | Differences in survival and growth between anadromous adult populations in the oiled and unoiled areas persisted in 1991 despite the decrease in exposure indicators. This could be due to continuing injury to the food base.   |
| Dolly Varden     | YES, SEE COMMENTS                                  | POSSIBLY                              | YES                                      | STABLE, BUT NOT RECOVERING           | UNKNOWN   | YES                             | UNKNOWN | UNKNOWN | UNKNOWN       | Differences in survival between anadromous adult populations in the oiled and unoiled areas persisted in 1991 despite the decrease in exposure indicators. This could be due to continuing injury to the food base.  |

- (a) There may have been an unequal distribution of injury within each region;  
 (b) Adjusted for carcasses not found, not reported, scavenged, or otherwise lost;  
 (c) Population may have been declining prior to the spill;  
 (d) Based on recovery of dead animals from this region of the spill zone;  
 (e) If no injury was detected or known, no assessment of recovery could be made;  
 (f) Total body count, not adjusted for carcasses not found.

| Resource               | Description of Injury                              |                                       |  | Status of Recovery in December, 1992 |   | Geographic Extent of Injury (a) |         |         |               | Comments/Discussion  |
|------------------------|--|---------------------------------------|--|--------------------------------------|---|---------------------------------|---------|---------|---------------|--|
|                        | Oil Spill Mortality (total mortality estimate) (b) | Decline in Population after the spill | Evidence of Sublethal or Chronic Effects | Current Population Status            | Evidence of Continuing Sublethal or Chronic Effects | PWS                             | Kenai   | Kodiak  | Alaska Penin. |  |
| Pacific Herring        | YES, TO EGGS AND LARVAE                            | UNKNOWN                               | YES                                      | UNKNOWN                              | NO  | YES                             | UNKNOWN | UNKNOWN | UNKNOWN       | Measurable difference in egg counts between oiled and unoiled areas were found in 1989 and 1990. Lethal and sublethal effects on eggs and larvae were evident in 1989 and to a lesser extent in 1990; in 1991 there were no differences between oiled and unoiled areas. It is possible that the 1989 year class was injured and could result in reduced recruitment to the fishery. |
| Pink Salmon (Wild) (c) | YES, TO EGGS                                       | POSSIBLY                              | YES                                      | SEE COMMENTS                         | YES   | YES                             | UNKNOWN | UNKNOWN | UNKNOWN       | There was initial egg mortality in 1989. Egg mortality continued to be high in 1991, possibly due to genetic damage to spawners. Abnormal fish were observed in 1989. Reduced growth of juveniles was found in the marine environment, which can be correlated with reduced survival.  |
| Rockfish               | YES (20) (f)                                       | UNKNOWN                               | YES                                      | UNKNOWN                              | UNKNOWN   | YES                             | YES     | UNKNOWN | UNKNOWN       | Few dead fish were found in 1989 in condition to be analyzed. Exposure to hydrocarbons with some sublethal effects were determined in those fish, but no effects established on the population. Closures to salmon fisheries increased fishing pressures on rockfish which may be impacting population.  |
| Sockeye Salmon         | UNKNOWN  | YES                                   | YES                                      | SEE COMMENTS                         | YES   | UNKNOWN                         | YES     | YES     | NO            | Smolt survival continues to be poor in the Red Lake and Kenai River systems due to overescapements in Red Lake in 1989, and in the Kenai River in 1987, 1988, 1989. As a result, future adult returns are expected to be low in 1994 and successive years. Trophic structures of Kenai and Skilak Lakes have been altered by overescapement.   |
| <b>SHELLFISH</b>       |  |                                       |  |                                      |   |                                 |         |         |               |  |
| Clam                   | YES (NUMBER UNKNOWN)                               | UNKNOWN                               | POSSIBLY, FINAL ANALYSES PENDING         | UNKNOWN                              | UNKNOWN   | YES                             | YES     | YES     | YES           | Native littleneck and butter clams were impacted both oiling and clean-up, particularly high pressure, hot water washing. Littleneck clams transplanted to oiled areas in 1990 grew significantly less than those transplanted to unoiled sites. Reduced growth recorded at oiled sites in 1989 but not 1991.  |

- (a) There may have been an unequal distribution of injury within each region;  
(b) Adjusted for carcasses not found, not reported, scavenged, or otherwise lost;  
(c) Population may have been declining prior to the spill;  
(d) Based on recovery of dead animals from this region of the spill zone;  
(e) If no injury was detected or known, no assessment of recovery could be made;  
(f) Total body count, not adjusted for carcasses not found.

| Resource                               | Description of Injury                              |                                       |  | Status of Recovery in December, 1992 |   | Geographic Extent of Injury (a) |         |         |               | Comments/Discussion  |
|--|--|---------------------------------------|--|--------------------------------------|---|---------------------------------|---------|---------|---------------|--|
|  | Oil Spill Mortality (total mortality estimate) (b) | Decline in Population after the spill | Evidence of Sublethal or Chronic Effects | Current Population Status            | Evidence of Continuing Sublethal or Chronic Effects | PWS                             | Kenai   | Kodiak  | Alaska Penin. |  |
| Crab (Dungeness)                       | UNKNOWN  | UNKNOWN                               | UNKNOWN                                  | (e)                                  | (e)   | (e)                             | (e)     | (e)     | (e)           | Crabs collected from oil areas were not found to have accumulated petroleum hydrocarbons.  |
| Oyster                                 | UNKNOWN  | UNKNOWN                               | UNKNOWN                                  | (e)                                  | (e)   | (e)                             | (e)     | (e)     | (e)           | Although studies were initiated in 1989, they were not completed because they were determined to be of limited value.  |
| Sea Urchin                             | UNKNOWN  | UNKNOWN                               | UNKNOWN                                  | (e)                                  | (e)   | (e)                             | (e)     | (e)     | (e)           | Studies limited to laboratory toxicity studies.  |
| Shrimp                                 | UNKNOWN  | UNKNOWN                               | NO                                       | (e)                                  | (e)   | (e)                             | (e)     | (e)     | (e)           | No conclusive evidence presented for injury linked to oil spill.   |
| <b>INTERTIDAL/SUBTIDAL COMMUNITIES</b> |  |                                       |  |                                      |   |                                 |         |         |               |  |
| Intertidal Organisms/Communities       | YES  | YES                                   | YES                                      | VARIABLE BY SPECIES, SEE COMMENTS    | YES   | YES                             | YES     | YES     | YES           | Measurable impacts on populations of plants and animals were determined. The lower intertidal and, to some extent, the mid intertidal is recovering. Some species (Fucus) in the upper intertidal zone have not recovered, and oil may persist in and mussel beds.                     |
| Subtidal Communities                   | YES  | YES                                   | YES                                      | VARIABLE BY SPECIES, SEE COMMENTS    | YES   | YES                             | UNKNOWN | UNKNOWN | UNKNOWN       | Measurable impacts on population of plants and animals were determined in 1989. Eel grass and some species of algae appear to be recovering. Amphipods in eel grass beds recovered to pre-sp densities in 1991. Leather stars and helmet cr show little sign of recovery through 1991. |

- (a) There may have been an unequal distribution of injury within each region;  
 (b) Adjusted for carcasses not found, not reported, scavenged, or otherwise lost;  
 (c) Population may have been declining prior to the spill;  
 (d) Based on recovery of dead animals from this region of the spill zone;  
 (e) If no injury was detected or known, no assessment of recovery could be made;  
 (f) Total body count, not adjusted for carcasses not found.



# Summary of Results of Injury Assessment Studies Done After the *Exxon Valdez* Oil Spill

| Service  | Description of Injury  | Status of Recovery in December, 1992   | Geographic Extent of Injury (a) |       |        |               | Comments/Discussion   |
|--|--|--|---------------------------------|-------|--------|---------------|---|
|  |  |  | PWS                             | Kenai | Kodiak | Alaska Penin. |   |
| Passive Use  | In 1991, over 90% of those surveyed (nation-wide) said they were aware of the <i>Exxon Valdez</i> oil spill. People report that values have been lost; their feelings about the spill area have changed. There is a wide-spread feeling that something has been lost.  | Recovery status is unknown.  | YES                             | YES   | YES    | YES           | Over 50% of those surveyed believed that the spill was the largest environmental accident caused by humans anywhere in the world. The median household willingness to pay for future prevention was \$31. Multiplying this by the number of U.S. household results in a damage estimate of \$2.8 billion. |
| Recreation (e.g., hunting, fishing, camping, kayaking, sailboating, motorboating, environmental education) | <p>The nature and extent of injury varied by user group and by area.</p> <p>About a quarter of key informants interviewed reported no change in their recreation experience, but others reported avoidance of the spill area, reduced wildlife sightings, residual oil, and more people.</p> <p>Overall, recreation use declined significantly in 1989. Between 1989 and 1990 a decline in sport fishing (number of anglers, fishing trips and fishing days) were recorded for PWS, Cook Inlet and the Kenai Peninsula. In 1992 an emergency order restricting cutthroat trout fishing was issued for western PWS due to low adult returns. Sport hunting of harlequin duck was affected by restrictions imposed in 1991 in response to damage assessment studies.</p> | <p>Declines in recreation activities reported in 1989 appear to be recovering for some user groups, but the degree of recovery is unknown.</p> <p>EVOS related sockeye over-escapement in the Kenai River and Red Lake system is anticipated to result in low adult returns in 1994 and 1995. These over-escapements may result in sport fishing closures or harvest restrictions during these and perhaps in subsequent years.</p> <p>The 1992 sport fishing closure for cutthroat trout is expected to continue at least through 1993.</p> <p>Harvest restrictions are expected to continue for harlequin duck through 1993.</p> | YES                             | YES   | YES    | YES           | Survey respondents also reported changes in their perception of recreation opportunity in terms of increased vulnerability to future oil spills, erosion o wilderness, a sense of permanent change, concern about long-term ecological effects, and, in some, a sense of optimism.                        |

(a) There may have been an unequal distribution of injury within each region, see map for location of regions.

# Summary of Results of Injury Assessment Studies Done After the Exxon Valdez Oil Spill

| Service            | Description of Injury   | Status of Recovery in December, 1992  | Geographic Extent of Injury (a) |       |        |               | Comments/Discussion  |
|--------------------|---|---|---------------------------------|-------|--------|---------------|--|
|                    |   |   | PWS                             | Kenai | Kodiak | Alaska Penin. |  |
| Commercial Fishing | <p>During 1989, emergency commercial fishery closures were ordered in PWS, Cook Inlet, Kodiak and the Alaska Peninsula. This affected salmon, herring, crab, shrimp, rockfish and sablefish. The 1989 closures resulted in sockeye over-escapement in the Kenai River and in the Red Lake system (Kodiak Island).</p> <p>In 1990 a portion of PWS was closed to shrimp fishing.</p> | <p>Currently there are no area-wide oil spill-related commercial closures in effect. Management actions to try to compensate for the spill are still in effect.</p> <p>EVOS related sockeye over-escapement in the Kenai River and Red Lake system is anticipated to result in low adult returns in 1994 and 1995. These over-escapements may result in closure or harvest restrictions during these and perhaps in subsequent years.</p> | YES                             | YES   | YES    | YES           | Injuries and recovery status of rockfish, pink salmon, shellfish and herring are uncertain. Therefore, future impacts on these fisheries is unknown. |
| Commercial Tourism | <p>Approximately 43% of the tourism businesses surveyed felt their businesses had been significantly affected by the oil spill in summer 1989. The net loss in visitor spending in the oil spill area in 1989 was \$19 million.</p>   | <p>By 1990, 12% of the tourism businesses surveyed felt their businesses had been significantly affected by the oil spill.</p>  | YES                             | YES   | YES    | YES           | mainly false<br>- record greater<br>tour numbers<br>than formerly  |

(a) There may have been an unequal distribution of injury within each region.

# Summary of Results of Injury Assessment Studies Done After the *Exxon Valdez* Oil Spill

| Service     | Description of Injury  | Status of Recovery in December, 1992  | Geographic Extent of Injury (a) |       |        |               | Comments/Discussion  |
|-------------|--|---|---------------------------------|-------|--------|---------------|--|
|             |  |   | PWS                             | Kenai | Kodiak | Alaska Penin. |  |
| Subsistence | <p>Subsistence harvests of fish and wildlife in 10 of 15 villages surveyed declined from 4 - 78% in 1989 when compared to pre-spill levels. At least 4 of the 10 villages showed continued lower than average levels of use in the period 1990-1991; this decline is particularly noticeable in the Prince William Sound villages of Chenega and Tatitlek.</p> <p>In 1989-1991, chemical analysis indicated that most resources tested, including fish, marine mammals, deer, and ducks, were safe to eat. In 1989-1991, health advisories were issued indicating that shellfish from oiled beaches should not be eaten.</p> | <p>Many subsistence users believe that continued contamination to subsistence food sources is dangerous to their health.</p> <p>In addition, village residents believe that subsistence species continue to decline or have not recovered from the oil spill.</p> | YES                             | YES   | YES    | NO            | <p>For detailed information on village subsistence use see table __, page __.</p> <p><i>Inaccurate as villagers often live in major cities</i></p> |

(a) There may have been an unequal distribution of injury within each region.



# Summary of Results of Injury Assessment Studies Done After the Exxon Valdez Oil Spill

## Other Natural Resources and Archaeology: Summary of Results of Injury Assessment Studies Done After the Exxon Valdez Oil Spill (b)

| Resource                       | Description of Injury  | Status of Recovery in December, 1992   | Geographic Extent of Injury (a) |       |        |               | Comments/Discussion   |
|--------------------------------|--|--|---------------------------------|-------|--------|---------------|---|
|                                |  |  | PWS                             | Kenai | Kodiak | Alaska Penin. |   |
| Air                            | Air quality standards for aromatic hydrocarbons were exceeded in portions of PWS. Health and safety standards for permissible exposure levels were exceeded up to 400 times.   | Recovered  | YES                             | NO    | NO     | NO            | Impacts diminished rapidly as oil weathered and lighter fractions evaporated.     |
| Sediments                      | Oil coated beaches and became buried in beach sediments. Oil laden sediments were transported off beaches and deposited on subtidal marine sediments.  | Patches of oil residue remain intertidally on rocks and beaches and buried beneath the surface at other beach locations.<br><br>Oil remains in some subtidal marine sediments and has spread to depths greater than 20 meters. | YES                             | YES   | YES    | YES           | Unweathered buried oil will persist for many years in protected low-energy sites. |
| Water                          | State of Alaska water quality standards may have been exceeded in portions of PWS. Federal and State oil discharge standards of no visible sheen were exceeded.  | Recovered  | YES                             | YES   | YES    | YES           | Impacts diminished as oil weathered and lighter fractions evaporated.             |
| Archaeological sites/artifacts | Currently, 24 sites are known to have been adversely affected by oiling, clean-up activities, or looting and vandalism linked to the oil spill. 113 sites are estimated to have been similarly affected. Injuries attributed to looting and vandalism (linked to the oil spill) are still occurring. | Archaeological sites and artifacts cannot recover; they are finite non-renewable resources.  | YES                             | YES   | YES    | YES           | Generally part of ordinary INTERVIEW PRE-view                                     |
| Designated Wilderness Areas    | Many miles of Federal and State Wilderness and Wilderness Study Area coastlines were affected by oil. Some oil remains buried in the sediments of these areas.   | Oil has degraded in many areas but remains in others. Until the remaining oil degrades, injury to Wilderness areas will continue.  | YES                             | YES   | YES    | YES           |   |

(a) There may have been an unequal distribution of injury within each region.

(b) This page has not yet been reviewed by the Chief Scientist.

(a) There may have been an unequal distribution of injury within each region.

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

## 1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>SUBOPTION    | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1<br>9<br>4 | 1<br>9<br>5 | 1<br>9<br>6 | 1<br>9<br>7 | 1<br>9<br>8 | 1<br>9<br>9 | 2<br>0<br>0 | 2<br>0<br>1 | 2<br>0<br>2 |
|----|---------------------------|------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|    |                           |                                    |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             |             |             |             |             |             |             |             |             |             |
| 1  | Archaeology               | Acquire Archaeological Artifacts   | Archaeological Specimens Collection, University of Alaska Museum                    | X           | X           | X           | \$41                   | M                           |             |             |             |             |             |             |             |             |             |
| 2  |                           | Acquire Archaeological Artifacts   | Nuchek Heritage Interpretive Center, Design   | X           |             |             | \$300                  | 1                           |             |             |             |             |             |             |             |             |             |
| 3  |                           | Habitat Protection and Acquisition | Archaeological Site Acquisition   | X           | X           | X           | \$200                  | M                           |             |             |             |             |             |             |             |             |             |
| 4  |                           | Intensified Management             | Coastal Archaeological Inventory and Evaluation of Archaeological Sites-Interagency | X           | X           | X           | \$525                  | M                           |             |             |             |             |             |             |             |             |             |
| 5  |                           | Intensified Management             | Vandalized Cultural Resources--Inventory, Evaluation, Interpretation                | X           | X           | X           | \$400                  | M                           |             |             |             |             |             |             |             |             |             |
| 6  |                           | Option Not Identified              | Restoration of Chenega Village Site   | X           |             |             | \$75                   | 1                           |             |             |             |             |             |             |             |             |             |
| 7  |                           | Option Not Identified              | Site-specific Archaeological Restoration - Interagency                              | X           | X           | X           | \$300                  | 93 - M                      |             |             |             |             |             |             |             |             |             |
| 8  |                           | Public Information                 | Passports in Time-Cultural Resource Patterns in PWS                                 | X           |             |             | \$230                  | M                           |             |             |             |             |             |             |             |             |             |
| 9  |                           | Public Information                 | Heritage Information Replacement  | X           | X           | X           | \$200                  | M                           |             |             |             |             |             |             |             |             |             |
| 10 |                           | Public Information                 | PWS Landmarks-Evaluation and Interpretation   | X           |             |             | \$400                  | M                           |             |             |             |             |             |             |             |             |             |
| 11 |                           | Public Information                 | Public Education and Interpretation of Archaeological Resource                      | X           | X           | X           | \$400                  | M                           |             |             |             |             |             |             |             |             |             |
| 12 |                           | Restoration Monitoring             | Study of Petroleum Hydrocarbon Spectra at Selected Sites                            | X           | X           | X           | \$225                  | M                           |             |             |             |             |             |             |             |             |             |
| 13 |                           | Site Patrol and Monitoring         | Archaeological Site Protection-Public Education-Interagency                         | X           | X           | X           | \$150                  | M                           |             |             |             |             |             |             |             |             |             |
| 14 |                           | Site Patrol and Monitoring         | Archaeological Site Protection-Site Patrol Monitoring-Interagency                   | X           | X           | X           | \$210                  | M                           |             |             |             |             |             |             |             |             |             |
| 15 |                           | Site Stewardship Program           | Archaeological Site Stewardship Program   | X           | X           | X           | \$114                  | M                           |             |             |             |             |             |             |             |             |             |
| 16 |                           | Visitor Center                     | Chugach National Forest Heritage Interpretive Center, Design                        | X           |             |             | \$1,200                | 1                           |             |             |             |             |             |             |             |             |             |
| 17 | Bald Eagle                | Habitat Protection                 | Identification and Protection of Important Bald Eagle Habitats                      | X           | X           | X           | \$262                  | M                           |             |             |             |             |             |             |             |             |             |
| 18 |                           | Recovery Monitoring                | Bald Eagle Productivity Survey and Catalog  | X           | X           | X           | \$10                   | M                           |             |             |             |             |             |             |             |             |             |
| 19 |                           | Recovery Monitoring                | Long-Term Population Monitoring for Bald Eagles                                     | X           | X           | X           | \$200                  | M                           |             |             |             |             |             |             |             |             |             |
| 20 | Black Oystercatcher       | Recovery Monitoring                | Black Oystercatcher Interaction with Intertidal Communities                         | X           | X           | X           | \$108                  | 93 - M                      |             |             |             |             |             |             |             |             |             |
| 21 |                           | Recovery Monitoring                | Feeding Ecology and Reproductive Success of Black Oystercatchers in PWS             | X           |             |             | \$125                  | M                           |             |             |             |             |             |             |             |             |             |

NOT ESSENTIAL  
NO REFERENCE TO  
OIL OR OTHER DAMAGES  
PREVENTION/ CORRECTIONS

-Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

# 1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|    |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 22 | Black Oystercatcher       | Restoration Monitoring                |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 23 | Commercial Fishing        | Habitat Protection and Acquisition    | Weir And Conservation Land Acquisition   | X      | X | X | \$1,100                | M                           |   |   |   |   |   |   |   |   |             |
| 24 |                           | Intensify Management                  | Establish an Ecological Basis for Restoring and Enhancing Mixed-stock Salmon Resources     | X      | X | X | \$385                  | M                           |   |   |   |   |   |   |   |   |             |
| 25 |                           | Intensify Management                  | Fishery Industrial Technology Center   | X      | X | X | \$3,500                | 1                           |   |   |   |   |   |   |   |   |             |
| 26 |                           | Intensify Management                  | Model for Capacity of Salmon Production for the Susitna Drainage                           |        | X |   | \$150                  | M                           |   |   |   |   |   |   |   |   |             |
| 27 |                           | Intensify Management                  | Susitna River Sockeye Salmon Production Evaluation   |        | X |   | \$300                  | M                           |   |   |   |   |   |   |   |   |             |
| 28 |                           | Monitoring                            | Thirteen Commercial Species Hydrocarbon Contamination and Injury Assessment                | X      | X | X | \$200                  | M                           |   |   |   |   |   |   |   |   |             |
| 29 |                           | Option Not Identified                 | Payoff Debt of Valdez Fisheries Development Association                                    | X      |   |   | \$5,000                | 1                           |   |   |   |   |   |   |   |   |             |
| 30 |                           | Recovery Monitoring                   | Recovery of Coded-Wire Tags from Pink Salmon in Commercial Catches, Hatchery Cost Recovery | X      |   |   | \$868                  | M                           |   |   |   |   |   |   |   |   |             |
| 31 |                           | Recovery Monitoring                   | Wild Fish Stock Information Assessment   | X      | X | X | \$50                   | M                           |   |   |   |   |   |   |   |   |             |
| 32 |                           | Replace Harvest Opportunities         | Mitigation Fishery at Kitoi Bay Hatchery on Alognak Island                                 |        |   | X | \$45                   | M                           |   |   |   |   |   |   |   |   |             |
| 33 |                           | Replace Harvest Opportunities         | Montague Island Chum Salmon Restoration  | X      |   |   | \$80                   | M                           |   |   |   |   |   |   |   |   |             |
| 34 |                           | Replace Harvest Opportunities         | Paint River Fish Ladder Salmon Stocking Program  |        | X |   | \$50                   | M                           |   |   |   |   |   |   |   |   |             |
| 35 |                           | Replace Harvest Opportunities         | Red Lake Mitigation  |        |   | X | \$191                  | M                           |   |   |   |   |   |   |   |   |             |
| 36 | Common Murre              | Feasibility Study: Improve Nest Sites | Testing of the Feasibility of Enhancing Productivity                                       | X      | X | X | \$280                  | M                           |   |   |   |   |   |   |   |   |             |
| 37 |                           | Feasibility Study: Social Stimuli     | Restoration of Murres by Way of Behavioral Attraction and Habitat Enhancement              | X      | X | X | \$51                   | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 38 |                           | Feasibility Study: Social Stimuli     | Restoration of Murres by Way of Transplantation of Chicks-Feasibility Study                | X      | X | X | \$73                   | M                           |   |   |   |   |   |   |   |   |             |
| 39 |                           | Recovery Monitoring                   | Common Murre Population Monitoring   | OUT    | X | X | \$191                  | M                           |   |   |   |   |   |   |   |   |             |
| 40 |                           | Reduce Disturbance                    | Reduce Disturbance Near Murre Colonies Injured by the Oil Spill                            | X      | X | X | \$40                   | M                           |   |   |   |   |   |   |   |   |             |
| 41 |                           | Remove Introduced Species             | Removal of Introduced Predators from Bird Colonies   | OUT    |   |   | \$460                  | M                           |   |   |   |   |   |   |   |   |             |

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>OR<br>SERVICE | RESTORATION OPTION<br>OR<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |     |     | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 2  | 3c       |
|----|---------------------------|---------------------------------------|---|--------|-----|-----|------------------------|-----------------------------|----|----|----|----|----|----|----|----|----------|
|    |                           |                                       |   | PWS    | KEN | KOD |                        |                             | 94 | 95 | 96 | 97 | 98 | 99 | 00 | 01 | Not Fund |
| 42 | Common Murre              | Restoration Monitoring                |   |        |     |     |                        | M                           |    |    |    |    |    |    |    |    |          |
| 43 | Cutthroat/Dolly           | Intensify Management                  | Cutthroat Trout and Dolly Varden Habitat Restoration                                      | X      |     |     | \$200                  | M                           |    |    |    |    |    |    |    |    |          |
| 44 |                           | Intensify Management                  | Enhanced Management of Cutthroat Trout and Dolly Varden                                   | X      |     |     | \$285                  | M                           |    |    |    |    |    |    |    |    |          |
| 45 |                           | Option Not Identified                 | Anadromous Cutthroat and Dolly Varden Char Habitat Inventory, Evaluation, and Restoration | X      |     |     | \$35                   | M                           |    |    |    |    |    |    |    |    |          |
| 46 |                           | Option Not Identified                 | Cutthroat Trout and Dolly Varden Hatchery   | X      |     |     | \$950                  | M                           |    |    |    |    |    |    |    |    |          |
| 47 |                           | Restoration Monitoring                |   |        |     |     |                        | M                           |    |    |    |    |    |    |    |    |          |
| 48 | General                   | Administration                        | Oil Spill Restoration Support Service and Facilities                                      | X      | X   | X   | \$600                  | 1                           |    |    |    |    |    |    |    |    |          |
| 49 |                           | Monitoring                            | Monitoring of Small Cetaceans (Dall Porpoises) in PWS                                     | X      |     |     | \$200                  | M                           |    |    |    |    |    |    |    |    |          |
| 50 |                           | Option Not Identified                 | Hazardous Material Collection Facility  | X      | X   | X   | \$100                  | 1                           |    |    |    |    |    |    |    |    |          |
| 51 |                           | Option Not Identified                 | Testing of Patch-Response Patch Dependence Hypothesis-Testing of an Ecosystem Model       | X      | X   | X   | \$488                  | M                           |    |    |    |    |    |    |    |    |          |
| 52 |                           | Public Information                    | Public Broadcasting System Program on Oil Spill   | X      | X   | X   | \$70                   | M                           |    |    |    |    |    |    |    |    |          |
| 53 |                           | Public Information                    | Publish and Distribute Brochures on Injured Species                                       | X      | X   | X   | \$90                   | M                           |    |    |    |    |    |    |    |    |          |
| 54 |                           | Public Information                    | PWS Brochures   | X      |     |     | \$65                   | M                           |    |    |    |    |    |    |    |    |          |
| 55 |                           | Public Information                    | PWS Implementation of Interpretive Plan   | X      |     |     | \$150                  | M                           |    |    |    |    |    |    |    |    |          |
| 56 |                           | Public Information                    | PWS Large Format Photographic Book  | X      |     |     | \$100                  | M                           |    |    |    |    |    |    |    |    |          |
| 57 |                           | Public Information                    | PWS Scenic Byway-- Nomination and Interpretive Plan                                       | X      |     |     | \$70                   | M                           |    |    |    |    |    |    |    |    |          |
| 58 |                           | Public Information                    | PWS Video Programs  | X      |     |     | \$100                  | M                           |    |    |    |    |    |    |    |    |          |
| 59 |                           | Public Information                    | Science of the Sound- Education Program   | X      |     |     | \$53                   | M                           |    |    |    |    |    |    |    |    |          |

*Otherwise Bureaucratic  
 Continuation - Job-making*



Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

Page 4

|    | RESOURCE<br>OR<br>SERVICE | RESTORATION OPTION<br><br>SUBOPTION            | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1<br>9<br>9<br>4 | 1<br>9<br>9<br>5 | 1<br>9<br>9<br>6 | 1<br>9<br>9<br>7 | 1<br>9<br>9<br>8 | 1<br>9<br>9<br>9 | 2<br>0<br>0<br>0 | 2<br>0<br>0<br>1 | Do Not Fund |
|----|---------------------------|--|---|-------------|-------------|-------------|------------------------|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------|
|    |                           |  |   | P<br>W<br>S | R<br>E<br>N | K<br>O<br>D |                        |                             |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 60 | Harbor Seal               | Cooperative Program-Fishermen                  |   |             |             |             |                        |                             |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 61 |                           | Monitoring                                     | Monitoring Trends in Abundance of Harbor Seals in PWS   | X           |             |             | \$39                   | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 62 |                           | Option Not Identified                          | Subsistence Harvest Assistance  | X           |             |             | \$23                   | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 63 |                           | Option Not Identified                          | Habitat Use and Behavior of Harbor Seals in PWS   | X           |             |             | \$165                  | 93 - M                      |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 64 |                           | Recovery Monitoring                            | Habitat Use, Monitoring, Population Modelling, and Information Synthesis                      | X           | X           | X           | \$230                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 65 | Harlequin Duck            | Eliminate Oil from Mussel Beds                 |   |             |             |             |                        |                             |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 66 |                           | Monitoring                                     | Harlequin Duck Recovery Monitoring, Population Modelling and Habitat Information Synthesis    | X           | X           | X           | \$700                  | 93 - M                      |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 67 |                           | Option Not Identified                          | Quantification of Stream Habitat for Harlequin Ducks from Remotely Sensed Data                | X           | X           | X           | \$53                   | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 68 | Intertidal                | Accelerate Recovery of Intertidal              | Deposit Sand on Cleaned Beaches, to Promote Clam Recruitment-Feasibility Study                | X           | X           | X           | \$20                   | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 69 |                           | Accelerate Recovery of Intertidal              | Fucus Restoration Feasibility Study   | X           | X           | X           | \$70                   | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 70 |                           | Accelerate Recovery of Intertidal              | Restoration of High-Intertidal Fucus  | X           | X           | X           | \$300                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 71 |                           | Accelerate Recovery of Intertidal              | Beach Subsurface Oil Recovery   | X           | X           | X           | \$50                   | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 72 |                           | Accelerate Recovery of Intertidal              | Hydrodynamic Purging of Oil from Contaminated Beaches, PWS                                    | X           |             |             | \$500                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 73 |                           | Accelerate Recovery of Intertidal              | Rapid Restoration of Weathered Crude Contaminated Beach Subsurface Material                   | X           | X           | X           | \$800                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 74 |                           | Accelerate Recovery of Intertidal              | Restore Shorelines Injured by Beach Berm Relocation   | X           | X           | X           |                        | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 75 |                           | Monitoring                                     | Coastal Habitat Injury Assessment - Intertidal Algae  | X           | X           | X           | \$620                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 76 |                           | Monitoring                                     | Fate and Transport of Subsurface Hydrocarbons in Beach Deposits in PWS                        | X           |             |             | \$600                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 77 |                           | Monitoring                                     | Coastal Habitat Comprehensive Intertidal Monitoring Program                                   | X           | X           | X           | \$500                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 78 |                           | Monitoring                                     | Hydrocarbons in Mussels from Coastal Gulf of Alaska, Cook Inlet and Shelikof Strait           |             | X           | X           | \$200                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 79 |                           | Monitoring                                     | Intertidal/Shallow Subtidal Crustacean (Decapod) Composition                                  | X           | X           | X           | \$275                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 80 |                           | Monitoring                                     | Long-Term Monitoring -Acute and Chronic Toxicity of Residual Hydrocarbons to Littleneck Clams | X           | X           | X           | \$50                   | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 81 | Monitoring                | Monitoring for Recruitment of Littleneck Clams | X   | X           | X           | \$186       | M                      |                             |                  |                  |                  |                  |                  |                  |                  |                  |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Page 5

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>SUBOPTION    | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1           | 1           | 1           | 1           | 1           | 1           | 2           | 2           | De Not Fund |
|-----|---------------------------|------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|     |                           |                                    |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>9<br>4 | 9<br>9<br>5 | 9<br>9<br>6 | 9<br>9<br>7 | 9<br>9<br>8 | 9<br>9<br>9 | 0<br>0<br>0 | 0<br>0<br>1 |             |
| 102 | Marbled Murrelet          | Restoration Monitoring             | Survey to Monitor Recovery of Marbled Murrelets   | X           | X           | X           | \$250                  | M                           |             |             |             |             |             |             |             |             |             |
| 103 | Multiple Resources        | Habitat Protection                 | Habitat Modelling   | X           | X           | X           | \$150                  | M                           |             |             |             |             |             |             |             |             |             |
| 104 |                           | Habitat Protection                 | Riparian Habitat Assessment   | X           | X           | X           | \$110                  | M                           |             |             |             |             |             |             |             |             |             |
| 105 |                           | Habitat Protection                 | Stream Channel Capability Modeling  | X           | X           | X           | \$110                  | M                           |             |             |             |             |             |             |             |             |             |
| 106 |                           | Habitat Protection                 | Stream Habitat Assessment   | X           | X           | X           | \$361                  | 93 - M                      |             |             |             |             |             |             |             |             |             |
| 107 |                           | Habitat Protection                 | Valdez Hazardous Waste Collection   | X           |             |             | \$200                  | 1                           |             |             |             |             |             |             |             |             |             |
| 108 |                           | Habitat Protection                 | Vegetation and Stream Classification and Mapping  | X           | X           | X           | \$276                  | 93 - M                      |             |             |             |             |             |             |             |             |             |
| 109 |                           | Habitat Protection                 | Wetland Habitat Classification, Mapping and Assessment                                  | X           | X           | X           | \$100                  | M                           |             |             |             |             |             |             |             |             |             |
| 110 |                           | Habitat Protection                 | Characterization and Identification of Habitat Important to Upland Species              | X           | X           | X           | \$750                  | M                           |             |             |             |             |             |             |             |             |             |
| 111 |                           | Habitat Protection and Acquisition | Inholdings in Alaska Maritime National Wildlife Refuge                                  |             | X           | X           | \$111                  | 1                           |             |             |             |             |             |             |             |             |             |
| 112 |                           | Habitat Protection and Acquisition | Inholdings in Alaska Peninsula National Wildlife Refuge                                 |             |             | X           |                        | 1                           |             |             |             |             |             |             |             |             |             |
| 113 |                           | Habitat Protection and Acquisition | Inholdings in Becharof National Wildlife Refuge   |             |             | X           |                        | 1                           |             |             |             |             |             |             |             |             |             |
| 114 |                           | Habitat Protection and Acquisition | Valdez Duck Flats   | X           |             |             |                        | 1                           |             |             |             |             |             |             |             |             |             |
| 115 |                           | Habitat Protection and Acquisition | Inholdings in Kenai Fjords National Wildlife Refuge                                     |             | X           |             | \$20                   | 1                           |             |             |             |             |             |             |             |             |             |
| 116 |                           | Habitat Protection and Acquisition | Inholdings in Aniakchak National Monument and Preserve                                  |             |             | X           |                        | 1                           |             |             |             |             |             |             |             |             |             |
| 117 |                           | Habitat Protection and Acquisition | Kitoi Bay Hatchery Watershed Habitat Acquisition  |             |             | X           | \$250                  | 1                           |             |             |             |             |             |             |             |             |             |
| 118 |                           | Habitat Protection and Acquisition | Acquire Olsen Bay Watershed   | X           |             |             | \$3,500                | 1                           |             |             |             |             |             |             |             |             |             |
| 119 |                           | Habitat Protection and Acquisition | Acquisition of Inholdings in Shuyak Island State Park                                   |             |             | X           | \$200                  | 1                           |             |             |             |             |             |             |             |             |             |
| 120 |                           | Habitat Protection and Acquisition | Acquisition of Koniag Corporation Inholdings within the Kodiak National Wildlife Refuge |             |             | X           | \$77,000               | 1                           |             |             |             |             |             |             |             |             |             |
| 121 |                           | Habitat Protection and Acquisition | Conservation Easement-Aialik Bay  |             | X           |             | \$90                   | 1                           |             |             |             |             |             |             |             |             |             |
| 122 |                           | Habitat Protection and Acquisition | Conservation Easement-Chugach Bay   |             | X           |             | \$60                   | 1                           |             |             |             |             |             |             |             |             |             |
| 123 |                           | Habitat Protection and Acquisition | Conservation Easement-Dogfish Bay   |             | X           |             | \$400                  | 1                           |             |             |             |             |             |             |             |             |             |
| 124 |                           | Habitat Protection and Acquisition | Conservation Easement-Port Chatham  |             | X           |             | \$80                   | 1                           |             |             |             |             |             |             |             |             |             |
| 125 |                           | Habitat Protection and Acquisition | Conservation Easement-Rock Bay  |             | X           |             | \$740                  | 1                           |             |             |             |             |             |             |             |             |             |
| 126 |                           | Habitat Protection and Acquisition | Habitat Acquisition   | X           | X           | X           | \$25,000               | 93 - 1                      |             |             |             |             |             |             |             |             |             |
| 127 |                           | Habitat Protection and Acquisition | Habitat Acquisition, Afognak  |             |             | X           | \$112,500              | 1                           |             |             |             |             |             |             |             |             |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | DO NOT FUND |
|-----|---------------------------|---------------------------------------|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 128 | Multiple Resources        | Habitat Protection and Acquisition    | Habitat Acquisition, Kodiak Island  |        |   | X | \$20,000               | 1                           |   |   |   |   |   |   |   |   |             |
| 129 |                           | Habitat Protection and Acquisition    | Habitat Acquisition, North Afognak Island   |        |   | X | \$4,000                | 1                           |   |   |   |   |   |   |   |   |             |
| 130 |                           | Habitat Protection and Acquisition    | Kodiak Bear Refuge Stream Mouth Inholdings Acquisition                                      |        |   | X | \$1,000                | 1                           |   |   |   |   |   |   |   |   |             |
| 131 |                           | Increase Natural Food Supply          |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 132 |                           | Intensify Management                  | Develop Management Strategy for Enhancing Recovery Rate of Bird and Sea Otter Populations   | X      | X | X | \$50                   | M                           |   |   |   |   |   |   |   |   |             |
| 133 |                           | Intensify Management                  | Genetic Risk Assessment of Injured Salmonids  | X      | X | X | \$408                  | M                           |   |   |   |   |   |   |   |   |             |
| 134 |                           | Intensify Management                  | Restoration and Mitigation of Essential Wetland Habitats for PWS Fish and Wildlife          | X      |   |   | \$200                  | M                           |   |   |   |   |   |   |   |   |             |
| 135 |                           | Intensify Management                  | Restoration of Second Growth Habitat for Wildlife in PWS                                    | X      |   |   | \$40                   | M                           |   |   |   |   |   |   |   |   |             |
| 136 |                           | Intensify Management                  | Seabird Colony Restoration  | X      | X | X | \$250                  | M                           |   |   |   |   |   |   |   |   |             |
| 137 |                           | Intensify Management                  | Stock Identification of Chum, Sockeye and Chinook Salmon in PWS                             | X      |   |   | \$250                  | M                           |   |   |   |   |   |   |   |   |             |
| 138 |                           | Monitoring                            | Shoreline Worm Life Monitoring  | X      | X | X | \$388                  | M                           |   |   |   |   |   |   |   |   |             |
| 139 |                           | Option Not Identified                 | Instream Habitat and Stock Restoration Techniques for Anadromous Fish                       | X      | X | X | \$416                  | M                           |   |   |   |   |   |   |   |   |             |
| 140 |                           | Option Not Identified                 | Alaska Land and Wildlife Conservation Fund  | X      | X | X | one billion            | M                           |   |   |   |   |   |   |   |   |             |
| 141 |                           | Option Not Identified                 | Field Study of Bioremediation Enhancement Treatment Methods                                 | X      | X | X | \$280                  | M                           |   |   |   |   |   |   |   |   |             |
| 142 |                           | Option Not Identified                 | Oil Spill Injured Resources Literature Research and Review                                  | X      | X | X | \$7                    | M                           |   |   |   |   |   |   |   |   |             |
| 143 |                           | Option Not Identified                 | Analyze Natural Resource Damage Assessment Samples Left Un-Analyzed                         | X      | X | X | \$650                  | 1                           |   |   |   |   |   |   |   |   |             |
| 144 |                           | Option Not Identified                 | Identification of Seabird Feeding Areas from Remotely Sensed Data and Impact on Restoration | X      | X | X | \$48                   | M                           |   |   |   |   |   |   |   |   |             |
| 145 |                           | Option Not Identified                 | Shoreline Assessment  | X      | X | X | \$250                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 146 |                           | Option Not Identified                 | Uganik River Fish Counting Weir - Brown Bear and Other Wildlife Food Study                  |        |   | X | \$28                   | M                           |   |   |   |   |   |   |   |   |             |
| 147 |                           | Recovery Monitoring                   | Comprehensive Monitoring Program, Plan and Administer                                       | X      | X | X | \$500                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 148 |                           | Recovery Monitoring                   | Cook Inlet Comprehensive Monitoring Program   |        | X |   | \$800                  | M                           |   |   |   |   |   |   |   |   |             |
| 149 |                           | Recovery Monitoring                   | Full Funding for Oil Spill Recovery Institute   | X      | X | X | \$2,300                | 1                           |   |   |   |   |   |   |   |   |             |
| 150 |                           | Recovery Monitoring                   | Injured Resource Food Supply  | X      | X | X | \$850                  | M                           |   |   |   |   |   |   |   |   |             |
| 151 |                           | Recovery Monitoring                   | Inventory, Monitor, Protect Permanent Study Sites   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |             |
| 152 |                           | Recovery Monitoring                   | Long-Term Monitoring of Marine Environment of Resurrection Bay                              |        | X |   | \$600                  | M                           |   |   |   |   |   |   |   |   |             |
| 153 |                           | Recovery Monitoring                   | Migratory Shore Birds Staging in Rocky Intertidal Habitats of PWS                           | X      |   |   | \$80                   | M                           |   |   |   |   |   |   |   |   |             |
| 154 |                           | Recovery Monitoring                   | Migratory Waterfowl and Shorebird Monitoring  | X      | X | X | \$150                  | M                           |   |   |   |   |   |   |   |   |             |
| 155 |                           | Recovery Monitoring                   | Monitor Population Status of Seabird Nesting Colonies in the Spill Zone                     | X      | X | X | \$100                  | M                           |   |   |   |   |   |   |   |   |             |
| 156 |                           | Recovery Monitoring                   | Restoration Recovery Monitoring of Stream-Rearing Anadromous Salmonids                      | X      | X | X | \$200                  | M                           |   |   |   |   |   |   |   |   |             |
| 157 |                           | Recovery Monitoring                   | Survey to Determine Abundance Distribution, Habitat, and Food Habits of Staging Shore Birds | X      |   |   | \$35                   | M                           |   |   |   |   |   |   |   |   |             |

*These Support Personal  
favored NOT Control  
OR PRE Vention*



Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION  | POTENTIAL PROJECTS   | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | 20             |
|-----|---------------------------|--|--|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|
|     |                           |  |  | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 | 00<br>Not Fund |
| 158 | Multiple Resources        | Recovery Monitoring                    | Survey to Determine Distribution, Abundance, and Food Habits of Staging Migratory Waterfowl  | X           |             |             | \$91                   | M                           |        |        |        |        |        |        |        |        |                |
| 159 |                           | Recovery Monitoring                    | Surveys to Monitor Marine Bird and Sea-Otter Populations                                     | X           | X           | X           | \$275                  | 93 - M                      |        |        |        |        |        |        |        |        |                |
| 160 |                           | Reduce Disturbance by Field Presence   |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |                |
| 161 |                           | Reduce Disturbance Through Public Info | Public Information and Education   | X           | X           | X           | \$316                  | M                           |        |        |        |        |        |        |        |        |                |
| 162 |                           | Reduce Disturbance Through Public Info | Publish and Distribute Brochures on Injured Species  | X           | X           | X           | \$50                   | M                           |        |        |        |        |        |        |        |        |                |
| 163 |                           | Restoration Monitoring                 | Abundance and Distribution of Forage Fish and Their Influence on Recovery of Injured Species | X           | X           | X           | \$500                  | M                           |        |        |        |        |        |        |        |        |                |
| 164 |                           | Restoration Monitoring                 | Ecosystem Study  | X           | X           | X           | \$6,000                | M                           |        |        |        |        |        |        |        |        |                |
| 165 | Pacific Herring           | Intensify Management                   | Genetic Stock Identification for Herring in PWS  | X           |             |             | \$205                  | M                           |        |        |        |        |        |        |        |        |                |
| 166 |                           | Intensify Management                   | Herring Spawn Deposition, Egg Loss, and Reproductive Impairment                              | X           |             |             | \$400                  | M                           |        |        |        |        |        |        |        |        |                |
| 167 |                           | Intensify Management                   | PWS Herring Tagging Feasibility Study  | X           |             |             | \$112                  | M                           |        |        |        |        |        |        |        |        |                |
| 168 |                           | Monitoring                             | Herring Embryo Viability Evaluation - Natural and Catastrophic Effects                       | X           |             |             | \$189                  | M                           |        |        |        |        |        |        |        |        |                |
| 169 |                           | Monitoring                             | Larval Herring Age and Growth in PWS Using Otoliths  | X           |             |             | \$60                   | M                           |        |        |        |        |        |        |        |        |                |
| 170 |                           | Option Not Identified                  | Enhancement of Pacific Herring   | X           | X           | X           | \$120                  | M                           |        |        |        |        |        |        |        |        |                |
| 171 |                           | Restoration Monitoring                 |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |                |
| 172 | Pigeon Guillemot          | Monitoring                             | Pigeon Guillemot Colony Survey   | X           | X           | X           | \$40                   | 93 - M                      |        |        |        |        |        |        |        |        |                |
| 173 |                           | Monitoring                             | Pigeon Guillemot Recovery Enhancement and Monitoring   | X           | X           | X           | \$180                  | M                           |        |        |        |        |        |        |        |        |                |
| 174 |                           | Restoration Monitoring                 |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |                |
| 175 |                           | Temporary Predator Control             |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |                |

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

Page 9

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION    | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|--|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|---|-------------|
|     |                           |  |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 176 | Pink Salmon               | Fish Passes and Access                   | Feasibility of Fish Passes as Oil Spill Restoration   | X      | X | X | \$25                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 177 |                           | Fish Passes and Access                   | Horse Marine Creek Pink Salmon Restoration  |        |   | X | \$28                   | 1                           |   |   |   |   |   |   |   |   |   |             |
| 178 |                           | Fish Passes and Access                   | Otter Creek Fish Pass   | X      |   |   | \$130                  | 1                           |   |   |   |   |   |   |   |   |   |             |
| 179 |                           | Fish Passes and Access                   | Pink Creek Pink Salmon Restoration  |        |   | X | \$11                   | 1                           |   |   |   |   |   |   |   |   |   |             |
| 180 |                           | Fish Passes and Access                   | Sockeye Creek Fish Pass   | X      |   |   | \$60                   | 1                           |   |   |   |   |   |   |   |   |   |             |
| 181 |                           | Fish Passes and Access                   | Waterfall Creek Pink Salmon Restoration-Fish Improvement                                      |        |   | X | \$55                   | 1                           |   |   |   |   |   |   |   |   |   |             |
| 182 |                           | Improve Survival Rates                   | Fry Rearing to Improve Survival and Restore Wild Pink and Chum Salmon Stocks                  | X      | X | X | \$727                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 183 |                           | Intensify Management                     | Adult Tagging to Determine Distribution, Migratory Timing and Rate of Movement of Pink Salmon | X      |   |   | \$495                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 184 |                           | Intensify Management                     | Coded Wire Tag Recoveries from Commercial Catches in PWS Salmon Fisheries                     | X      |   |   | \$855                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 185 |                           | Intensify Management                     | Coded Wire Tagging of Wild Stock Pink Salmon for Stock Identification                         | X      |   |   | \$500                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 186 |                           | Intensify Management                     | Inventory and Effect of Straying Hatchery Pink Salmon on Wild Pink Salmon Population          | X      |   |   | \$253                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 187 |                           | Intensify Management                     | Otolith Marking - Inseason Stock Separation Tool to Reduce Wild Stock Salmon Exploitation     | X      | X | X | \$152                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 188 |                           | Intensify Management                     | Pink Salmon Escapement Enumeration  | X      | X | X | \$705                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 189 |                           | Intensify Management                     | PWS Salmon Stock Genetics   | X      |   |   | \$150                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 190 |                           | Intensify Management                     | Quality Assurance for PWS Coded Wire Tagging and Fish Production Records                      | X      |   |   | \$66                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 191 |                           | Monitoring                               | Investigating and Monitoring Oil Related Egg and Alevin Mortalities                           | X      | X |   | \$686                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 192 |                           | Monitoring                               | Restoration Monitoring and Preservation of Wild Populations of Pink Salmon                    | X      | X |   | \$899                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 193 |                           | Monitoring                               | Injury to Salmon Eggs and Pre-emergent Fry in PWS, Laboratory Verification                    | X      |   |   | \$141                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 194 |                           | Monitoring                               | Pink Salmon Egg to Pre-Emergent Fry Survival in PWS   | X      |   |   | \$385                  | 93 - M                      |   |   |   |   |   |   |   |   |   |             |
| 195 |                           | Monitoring                               | Monitoring Early Marine Growth of Juvenile Salmon in Prince William Sound                     | X      |   |   | \$50                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 196 |                           | Option Not Identified                    | Pink Salmon Stream Enhancement in Prince William Sound, Lower Cook Inlet and Kodiak           | X      | X | X | \$300                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 197 | Recreation                | Establish Marine Environmental Institute | Build Research and Monitoring Facilities and Program/Cook Inlet, Kodiak                       |        | X | X | \$1,250                | M                           |   |   |   |   |   |   |   |   |   |             |
| 198 |                           | Establish Marine Environmental Institute | Oiled Wildlife Rehabilitation Center  | X      | X | X | \$6,000                | 1                           |   |   |   |   |   |   |   |   |   |             |
| 199 |                           | Establish Marine Environmental Institute | Seward Sea Life Center  | X      | X | X | \$40,000               | 1                           |   |   |   |   |   |   |   |   |   |             |
| 200 |                           | Habitat Protection and Acquisition       | 17(b) Easement Identification-Public Access   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 201 |                           | Habitat Protection and Acquisition       | Acquisition of Important Recreation Lands   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |   |             |

*Not proper part in  
Preventive - Safety  
Programs*



Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | 2      |
|-----|---------------------------|---------------------------------------|--|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|     |                           |                                       |  | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 | 0<br>2 |
| 202 | Recreation                | Habitat Protection and Acquisition    | Acquisition of Recreational Sites on Kodiak Road System                              |             |             | X           | \$500                  | 1                           |        |        |        |        |        |        |        |        |        |
| 203 |                           | Habitat Protection and Acquisition    | Land Exchange Shuyak for Kodiak Land on Road System                                  |             |             | X           | \$70                   | 1                           |        |        |        |        |        |        |        |        |        |
| 204 |                           | Habitat Protection and Acquisition    | Shelter Cove, Cordova Restoration Project  | X           |             |             | \$50                   | M                           |        |        |        |        |        |        |        |        |        |
| 205 |                           | Monitoring                            | Assessment of Economic Injuries to Wilderness-Based Tourism                          | X           | X           | X           | \$100                  | M                           |        |        |        |        |        |        |        |        |        |
| 206 |                           | Monitoring                            | Post-Oil Spill Recreation-Based User Survey for PWS                                  | X           |             |             | \$58                   | M                           |        |        |        |        |        |        |        |        |        |
| 207 |                           | Monitoring                            | Recreation Field Management and Monitoring   | X           | X           | X           | \$700                  | M                           |        |        |        |        |        |        |        |        |        |
| 208 |                           | New Backcountry Recreation Facilities | Enhanced Trail Opportunities, Including Columbia and Blackstone Glacier Trails       | X           |             |             | \$150                  | 1                           |        |        |        |        |        |        |        |        |        |
| 209 |                           | New Backcountry Recreation Facilities | Green Island Cabin Replacement   | X           |             |             | \$20                   | 1                           |        |        |        |        |        |        |        |        |        |
| 210 |                           | New Backcountry Recreation Facilities | Improve Marine Parks   | X           | X           | X           | \$100                  | M                           |        |        |        |        |        |        |        |        |        |
| 211 |                           | New Backcountry Recreation Facilities | Low Impact Recreation Development Nellie Juan, College Fiord Wilderness Study Area   | X           |             |             | \$100                  | 1                           |        |        |        |        |        |        |        |        |        |
| 212 |                           | New Backcountry Recreation Facilities | Prince William Sound Campground  | X           |             |             | \$70                   | 1                           |        |        |        |        |        |        |        |        |        |
| 213 |                           | New Backcountry Recreation Facilities | Public Use Cabins in State Marine Parks  | X           | X           | X           | \$150                  | M                           |        |        |        |        |        |        |        |        |        |
| 214 |                           | New Backcountry Recreation Facilities | PWS Kayak Trail  | X           |             |             | \$100                  | 1                           |        |        |        |        |        |        |        |        |        |
| 215 |                           | New Backcountry Recreation Facilities | PWS Recreation Facilities  | X           |             |             | \$250                  | 1                           |        |        |        |        |        |        |        |        |        |
| 216 |                           | Option Not Identified                 | Development of Gulf of Alaska Recreation Plan  |             | X           | X           | \$140                  | 1                           |        |        |        |        |        |        |        |        |        |
| 217 |                           | Option Not Identified                 | Implement Prince William Sound Area Recreation Plan                                  | X           |             |             | \$400                  | M                           |        |        |        |        |        |        |        |        |        |
| 218 |                           | Option Not Identified                 | Sustainable Tourism in PWS   | X           |             |             | \$240                  | M                           |        |        |        |        |        |        |        |        |        |
| 219 |                           | Option Not Identified                 | Watchable Wildlife   | X           | X           | X           | \$65                   | M                           |        |        |        |        |        |        |        |        |        |
| 220 |                           | Option Not Identified                 | Increased Access PWS   | X           |             |             | \$100                  | M                           |        |        |        |        |        |        |        |        |        |
| 221 |                           | Plan Commercial Recreation Facilities | Recreation Development   | X           | X           | X           | \$200                  | M                           |        |        |        |        |        |        |        |        |        |
| 222 |                           | Restoration Monitoring                |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |        |
| 223 |                           | Visitor Center                        | Bird and Mammal Specimens, University of Alaska Museum                               | X           | X           | X           | \$77                   | M                           |        |        |        |        |        |        |        |        |        |
| 224 |                           | Visitor Center                        | Center for PWS Oil Spill and Natural Resource Education                              | X           |             |             |                        | 1                           |        |        |        |        |        |        |        |        |        |
| 225 |                           | Visitor Center                        | Coastal Habitat Specimens, University of Alaska Museum                               | X           | X           | X           | \$310                  | M                           |        |        |        |        |        |        |        |        |        |
| 226 |                           | Visitor Center                        | Cordova Environmental Education Center   | X           |             |             | \$15                   | 1                           |        |        |        |        |        |        |        |        |        |
| 227 |                           | Visitor Center                        | Cordova Mini-Imaginarium   | X           |             |             | \$63                   | 1                           |        |        |        |        |        |        |        |        |        |
| 228 |                           | Visitor Center                        | Develop Video Library of Intertidal Habitat and Biota to Assess Impacts              | X           | X           | X           | \$155                  | M                           |        |        |        |        |        |        |        |        |        |
| 229 |                           | Visitor Center                        | Environmental Education Center in PWS  | X           |             |             | \$90                   | 1                           |        |        |        |        |        |        |        |        |        |
| 230 |                           | Visitor Center                        | Environmental Learning Resource Center   | X           | X           | X           | \$90                   | 1                           |        |        |        |        |        |        |        |        |        |
| 231 |                           | Visitor Center                        | Establish Natural Resource Library and Computer Support Technical Service in Cordova | X           |             |             | \$450                  | 1                           |        |        |        |        |        |        |        |        |        |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1           | 1           | 1           | 1           | 1           | 1           | 2           | 2           | No Not Fund |
|-----|---------------------------|---------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|     |                           |                                       |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>9<br>4 | 9<br>9<br>5 | 9<br>9<br>6 | 9<br>9<br>7 | 9<br>9<br>8 | 9<br>9<br>9 | 0<br>0<br>0 | 0<br>0<br>1 |             |
| 232 | Recreation                | Visitor Center                        | Information Center  | X           | X           | X           | \$600                  | 1                           |             |             |             |             |             |             |             |             |             |
| 233 |                           | Visitor Center                        | Interpretation of PWS   | X           |             |             | \$10                   | M                           |             |             |             |             |             |             |             |             |             |
| 234 |                           | Visitor Center                        | Maritime Wing Valdez Museum   | X           |             |             | \$150                  | 1                           |             |             |             |             |             |             |             |             |             |
| 235 |                           | Visitor Center                        | Multi-agency Library on PWS and Copper River Delta  | X           |             |             | \$150                  | 1                           |             |             |             |             |             |             |             |             |             |
| 236 |                           | Visitor Center                        | Valdez Visitor Center   | X           |             |             | \$850                  | 1                           |             |             |             |             |             |             |             |             |             |
| 237 | River Otter               | Monitoring                            | River Otter Recovery Monitoring   | X           |             |             | \$180                  | M                           |             |             |             |             |             |             |             |             |             |
| 238 |                           | Monitoring                            | Synthesis of Information on Ecology and Injury to River Otters in PWS                     | X           |             |             | \$40                   | M                           |             |             |             |             |             |             |             |             |             |
| 239 |                           | Restoration Monitoring                |   |             |             |             |                        |                             |             |             |             |             |             |             |             |             |             |
| 240 |                           | Sport/trap Harvest Guidelines         | Develop Harvest Guidelines to Aid Restoration of Injured Terrestrial Mammals and Seaducks | X           | X           | X           | \$99                   | 1                           |             |             |             |             |             |             |             |             |             |
| 241 | Rockfish                  | Intensify Management                  | Develop a Rockfish Management Plan  | X           | X           |             | \$175                  | M                           |             |             |             |             |             |             |             |             |             |
| 242 |                           | Monitoring                            | Monitoring Injury to Rockfish in PWS  | X           |             |             | \$117                  | M                           |             |             |             |             |             |             |             |             |             |
| 243 |                           | Monitoring                            |   |             |             |             |                        |                             |             |             |             |             |             |             |             |             |             |
| 244 | Sea Otter                 | Cooperative Prgm-Subsistence Users    |   |             |             |             |                        |                             |             |             |             |             |             |             |             |             |             |
| 245 |                           | Habitat Protection (Public Land)      | Habitat Utilization by Sea Otters and Designation of Protected Areas                      | X           | X           | X           | \$83                   | M                           |             |             |             |             |             |             |             |             |             |
| 246 |                           | Monitoring                            | Monitoring of Sea Otter Population Abundance, Distribution, Reproduction, and Mortality   | X           | X           | X           | \$337                  | M                           |             |             |             |             |             |             |             |             |             |
| 247 |                           | Monitoring                            | Radio-Telemetry Project to Monitor Recovery of Sea Otters                                 | X           | X           | X           | \$450                  | M                           |             |             |             |             |             |             |             |             |             |
| 248 |                           | Monitoring                            | Sea Otter Population Dynamics   | X           | X           | X           | \$291                  | 93 - M                      |             |             |             |             |             |             |             |             |             |
| 249 |                           | Restoration Monitoring                |   |             |             |             |                        |                             |             |             |             |             |             |             |             |             |             |

*NOT Germane to  
Industrial Protection  
funding*

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

Page 12

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBORTION | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
|-----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|---|---|
|     |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 |
|     |                           |                                       |  | W      | E | O |                        |                             | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 0 | 1 |
| 250 | Sea Otter                 | Study: Eliminate Oil from Mussel Beds |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |   |   |
| 251 | Sockeye Salmon            | Fish Passes and Access                | Solf Lake Fish Pass  | X      |   |   | \$120                  | M                           |   |   |   |   |   |   |   |   |   |   |
| 252 |                           | Intensify Management                  | Develop and Deploy In-River Hydroacoustic Counters for Sockeye Salmon in the Kenai River |        | X |   | \$333                  | M                           |   |   |   |   |   |   |   |   |   |   |
| 253 |                           | Intensify Management                  | Genetic Monitoring of Kodiak Island Sockeye Salmon                                       |        |   | X | \$275                  | M                           |   |   |   |   |   |   |   |   |   |   |
| 254 |                           | Intensify Management                  | Genetic Stock Identification of Kenai River Sockeye                                      |        | X |   | \$500                  | 93 - M                      |   |   |   |   |   |   |   |   |   |   |
| 255 |                           | Intensify Management                  | Kenai River Sockeye Salmon Restoration   |        | X |   | \$1,000                | 93 - M                      |   |   |   |   |   |   |   |   |   |   |
| 256 |                           | Intensify Management                  | Lower Cook Inlet Sockeye Salmon Restoration and Enhancement                              |        | X |   | \$143                  | M                           |   |   |   |   |   |   |   |   |   |   |
| 257 |                           | Monitoring                            | Ayakulik River Sockeye Salmon Escapement Evaluation                                      |        |   | X | \$6                    | M                           |   |   |   |   |   |   |   |   |   |   |
| 258 |                           | Monitoring                            | Sockeye Salmon Overescapement  |        | X | X | \$641                  | 93 - M                      |   |   |   |   |   |   |   |   |   |   |
| 259 |                           | Option Not Identified                 | Restoration of the Coghill Lake Sockeye Salmon Stock                                     | X      |   |   | \$165                  | 93 - M                      |   |   |   |   |   |   |   |   |   |   |
| 260 |                           | Option Not Identified                 | Red Lake Salmon Restoration  |        |   | X | \$72                   | M                           |   |   |   |   |   |   |   |   |   |   |
| 261 | Sport Fishing             | Recovery Monitoring                   |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |   |   |
| 262 |                           | Replace Harvest Opportunities         | Fort Richardson Hatchery Improvement   |        | X |   | \$4,200                | 1                           |   |   |   |   |   |   |   |   |   |   |
| 263 |                           | Restoration Monitoring                |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |   |   |
| 264 | Subsistence               | Access to Traditional Foods           |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |   |   |
| 265 |                           | Bivalve Shellfish Hatchery            |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |   |   |
| 266 |                           | Option Not Identified                 | Chenega Bay Subsistence Restoration Project (Remove Oil)                                 | X      |   |   | \$200                  | M                           |   |   |   |   |   |   |   |   |   |   |
| 267 |                           | Option Not Identified                 | Mariculture Hatchery and Research Center Feasibility Study and Design                    | X      | X | X | \$300                  | 1                           |   |   |   |   |   |   |   |   |   |   |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

# 1994 POTENTIAL PROJECT TITLES

Page 13

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
|     |                           |                                       |  | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 |             |
| 268 | Subsistence               | Option Not Identified                 | Mariculture Technical Center   | X           | X           | X           | \$2,200                | 1                           |        |        |        |        |        |        |        |        |             |
| 269 |                           | Option Not Identified                 | Seward Shellfish Hatchery  | X           | X           | X           | \$1,300                | 1                           |        |        |        |        |        |        |        |        |             |
| 270 |                           | Recovery Monitoring                   | Survey of Impacted Native Communities-Subsistence                                  | X           | X           | X           | \$700                  | M                           |        |        |        |        |        |        |        |        |             |
| 271 |                           | Replace Harvest Opportunities         | Chenega Bay Replacement Subsistence Resource Project                               | X           |             |             | \$50                   | M                           |        |        |        |        |        |        |        |        |             |
| 272 |                           | Replace Harvest Opportunities         | Chenega Chinook and Coho Release Program   | X           |             |             | \$55                   | M                           |        |        |        |        |        |        |        |        |             |
| 273 |                           | Replace Harvest Opportunities         | Port Graham Salmon Hatchery  |             | X           |             | \$2,500                | 1                           |        |        |        |        |        |        |        |        |             |
| 274 |                           | Replace Harvest Opportunities         | Silver Lake Fish Hatchery  | X           |             |             | \$1,000                | 1                           |        |        |        |        |        |        |        |        |             |
| 275 |                           | Replace Harvest Opportunities         | Subsistence Harvest Replacement-Transport Subsistence Users to Unopened Areas      | X           | X           | X           | \$55                   | M                           |        |        |        |        |        |        |        |        |             |
| 276 |                           | Restoration Monitoring                |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 277 |                           | Subsistence Mariculture Sites         | Village Mariculture Project - Oyster Farming                                       | X           | X           | X           | \$589                  | M                           |        |        |        |        |        |        |        |        |             |
| 278 |                           | Test Subsistence Foods                | Assessment and Quality Assurance of Shellfish Resources                            | X           | X           | X           | \$300                  | M                           |        |        |        |        |        |        |        |        |             |
| 279 |                           | Test Subsistence Foods                | Subsistence Food Safety Testing  | X           | X           | X           | \$308                  | 93 - M                      |        |        |        |        |        |        |        |        |             |
| 280 | Subtidal                  | Habitat Protection                    | Juvenile Spot Shrimp Habitat Identification  | X           | X           |             | \$110                  | M                           |        |        |        |        |        |        |        |        |             |
| 281 |                           | Intensify Management                  | PWS Spot Shrimp Recovery Management Plan   | X           |             |             | \$715                  | M                           |        |        |        |        |        |        |        |        |             |
| 282 |                           | Monitoring                            | PWS Spot Shrimp Survey   | X           |             |             | \$90                   | M                           |        |        |        |        |        |        |        |        |             |
| 283 |                           | Monitoring                            | Injury and Recovery of Deep-Benthic Macrofaunal Communities                        | X           | X           | X           | \$275                  | M                           |        |        |        |        |        |        |        |        |             |
| 284 |                           | Monitoring                            | Natural Recovery Monitoring of Subtidal Eelgrass Communities in PWS                | X           |             |             | \$265                  | 93 - M                      |        |        |        |        |        |        |        |        |             |
| 285 |                           | Monitoring                            | Recovery Monitoring of Hydrocarbon-Contaminated Subtidal Marine Sediment Resources | X           | X           | X           | \$390                  | M                           |        |        |        |        |        |        |        |        |             |
| 286 |                           | Monitoring                            | Subtidal Recovery Monitoring   | X           | X           | X           | \$400                  | M                           |        |        |        |        |        |        |        |        |             |
| 287 |                           | Restoration Monitoring                | Experimental Studies of Interaction Between Subtidal Epifaunal Invertebrates       | X           | X           | X           | \$90                   | M                           |        |        |        |        |        |        |        |        |             |
| 288 | Technical Services        | Administration                        | Electronic Archiving of Exxon Valdez Records                                       | X           | X           | X           | \$450                  | M                           |        |        |        |        |        |        |        |        |             |
| 289 |                           | Administration                        | Geographic Information System Mapping of Natural Resources in Western PWS          | X           |             |             | \$75                   | M                           |        |        |        |        |        |        |        |        |             |

*Do not belong  
in prevention  
program funding*

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1           | 1           | 1           | 1           | 1           | 1           | 2           | 2           | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|     |                           |                                       |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>9<br>4 | 9<br>9<br>5 | 9<br>9<br>6 | 9<br>9<br>7 | 9<br>9<br>8 | 9<br>9<br>9 | 0<br>0<br>0 | 0<br>0<br>1 |             |
| 290 | Technical Services        | Administration                        | Hydrocarbon Data Analysis and Interpretation  | X           | X           | X           | \$105                  | 93 - M                      |             |             |             |             |             |             |             |             |             |
| 291 |                           | Administration                        | Toxicological Profile of PWS  | X           |             |             | \$150                  | M                           |             |             |             |             |             |             |             |             |             |
| 292 |                           | Public Information                    | CD-ROM Publication of Digital Spatial Data from Exxon Valdez Oil Spill Mapping Activities | X           | X           | X           | \$8                    | M                           |             |             |             |             |             |             |             |             |             |
| 293 |                           | Public Information                    | Database Integration  | X           | X           | X           | \$148                  | M                           |             |             |             |             |             |             |             |             |             |
| 294 |                           | Public Information                    | Develop User Friendly Synopsis of Oil Spill Information                                   | X           | X           | X           |                        | M                           |             |             |             |             |             |             |             |             |             |
| 295 |                           | Public Information                    | Providing Public Access to Oilspill GIS Databases Using Arcview in PC Windows Environment | X           | X           | X           | \$120                  | M                           |             |             |             |             |             |             |             |             |             |
| 296 |                           | Public Information                    | Public Access Repository for Oil Spill Geographic Information System (GIS)                | X           | X           | X           | \$100                  | M                           |             |             |             |             |             |             |             |             |             |
| 297 |                           | Public Information                    | User-Friendly GIS and Remote-Sensing Demonstration Center for Public-5 Communities        | X           | X           | X           | \$72                   | M                           |             |             |             |             |             |             |             |             |             |
|     |                           |                                       |   |             |             |             |                        |                             |             |             |             |             |             |             |             |             |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

| RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | No Net Fund |
|---------------------------|---------------------------------------|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|                           |                                       |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
|                           |                                       | <p>The Referred "funds"<br/>         come out of National<br/>         economy —<br/>         The settlements<br/>         are for future<br/>         control — preventative<br/>         works<br/>         — Not This on-going<br/>         Bureaucracy<br/>         "workless<br/>         works"</p> |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |



Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

## 1994 POTENTIAL PROJECT TITLES

[illegible]

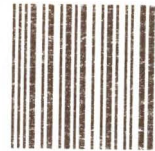
PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

15.2.4 144 W



0000



99501

U.S. POSTAGE  
PAID  
PUKE BAY, AK  
99821  
MAY 04, 93  
AMOUNT

\$0.52

00013535-05

EXXON VALDEZ TRUSTEE COUNCIL  
1994 Work Plan Work Group  
645 "G" Street  
Anchorage, Alaska 99501

RECEIVED  
OCT 02 1995

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL  
ADMINISTRATIVE RECORD

0050940506  
RECEIVED  
MAY 06 1993

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL

Name: Alex Wertheimer  
 Phone: 789-0789  
(907)

1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | Do Not Fund |
|----|---------------------------|---------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
|    |                           |                                       |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 |             |
| 1  | Archaeology               | Acquire Archaeological Artifacts      | Archaeological Specimens Collection, University of Alaska Museum                    | X           | X           | X           | \$41                   | M                           |        |        |        |        |        |        |        |        | X           |
| 2  |                           | Acquire Archaeological Artifacts      | Nuchek Heritage Interpretive Center, Design   | X           |             |             | \$300                  | 1                           |        |        |        |        |        |        |        |        | X           |
| 3  |                           | Habitat Protection and Acquisition    | Archaeological Site Acquisition   | X           | X           | X           | \$200                  | M                           |        |        |        |        |        |        |        |        | X           |
| 4  |                           | Intensified Management                | Coastal Archaeological Inventory and Evaluation of Archaeological Sites-Interagency | X           | X           | X           | \$525                  | M                           |        |        |        |        |        |        |        |        | X           |
| 5  |                           | Intensified Management                | Vandalized Cultural Resources--Inventory, Evaluation, Interpretation                | X           | X           | X           | \$400                  | M                           | X      |        |        |        |        |        |        |        | X           |
| 6  |                           | Option Not Identified                 | Restoration of Chenega Village Site   | X           |             |             | \$75                   | 1                           |        |        |        |        |        |        |        |        | X           |
| 7  |                           | Option Not Identified                 | Site-specific Archaeological Restoration - Interagency                              | X           | X           | X           | \$300                  | 93 - M                      |        |        |        |        |        |        |        |        | X           |
| 8  |                           | Public Information                    | Passports in Time-Cultural Resource Patterns in PWS                                 | X           |             |             | \$230                  | M                           |        |        |        |        |        |        |        |        | X           |
| 9  |                           | Public Information                    | Heritage Information Replacement  | X           | X           | X           | \$200                  | M                           |        |        |        |        |        |        |        |        | X           |
| 10 |                           | Public Information                    | PWS Landmarks-Evaluation and Interpretation   | X           |             |             | \$400                  | M                           |        |        |        |        |        |        |        |        | X           |
| 11 |                           | Public Information                    | Public Education and Interpretation of Archaeological Resource                      | X           | X           | X           | \$400                  | M                           |        |        |        |        |        |        |        |        | X           |
| 12 |                           | Restoration Monitoring                | Study of Petroleum Hydrocarbon Spectra at Selected Sites                            | X           | X           | X           | \$225                  | M                           |        |        |        |        |        |        |        |        | X           |
| 13 |                           | Site Patrol and Monitoring            | Archaeological Site Protection-Public Education-Interagency                         | X           | X           | X           | \$150                  | M                           |        |        |        |        |        |        |        |        | X           |
| 14 |                           | Site Patrol and Monitoring            | Archaeological Site Protection-Site Patrol Monitoring-interagency                   | X           | X           | X           | \$210                  | M                           |        |        |        |        |        |        |        |        | X           |
| 15 |                           | Site Stewardship Program              | Archaeological Site Stewardship Program   | X           | X           | X           | \$114                  | M                           |        |        |        |        |        |        |        |        | X           |
| 16 |                           | Visitor Center                        | Chugach National Forest Heritage Interpretive Center, Design                        | X           |             |             | \$1,200                | 1                           |        |        |        |        |        |        |        |        | X           |
|    |                           |                                       |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
|    |                           |                                       |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 17 | Bald Eagle                | Habitat Protection                    | Identification and Protection of Important Bald Eagle Habitats                      | X           | X           | X           | \$262                  | M                           |        |        |        |        |        |        |        |        | X           |
| 18 |                           | Recovery Monitoring                   | Bald Eagle Productivity Survey and Catalog  | X           | X           | X           | \$10                   | M                           | X      |        |        |        |        |        |        |        |             |
| 19 |                           | Recovery Monitoring                   | Long-Term Population Monitoring for Bald Eagles                                     | X           | X           | X           | \$200                  | M                           | X      |        |        |        |        |        |        |        |             |
|    |                           |                                       |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
|    |                           |                                       |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 20 | Black Oystercatcher       | Recovery Monitoring                   | Black Oystercatcher Interaction with Intertidal Communities                         | X           | X           | X           | \$108                  | 93 - M                      | X      |        |        |        |        |        |        |        |             |
| 21 |                           | Recovery Monitoring                   | Feeding Ecology and Reproductive Success of Black Oystercatchers in PWS             | X           |             |             | \$125                  | M                           | X      |        |        |        |        |        |        |        |             |

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |     |     | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 2  | Do Not Fund |
|----|---------------------------|---------------------------------------|--|--------|-----|-----|------------------------|-----------------------------|----|----|----|----|----|----|----|----|-------------|
|    |                           |                                       |  | PWS    | KEN | KOD |                        |                             | 94 | 95 | 96 | 97 | 98 | 99 | 00 | 01 |             |
| 22 | Black Oystercatcher       | Restoration Monitoring                |  |        |     |     |                        |                             | X  |    |    |    |    |    |    |    |             |
|    |                           |                                       |  |        |     |     |                        |                             |    |    |    |    |    |    |    |    | X           |
| 23 | Commercial Fishing        | Habitat Protection and Acquisition    | Weir And Conservation Land Acquisition   | X      | X   | X   | \$1,100                | M                           | X  |    |    |    |    |    |    |    |             |
| 24 |                           | Intensify Management                  | Establish an Ecological Basis for Restoring and Enhancing Mixed-stock Salmon Resources     | X      | X   | X   | \$385                  | M                           |    |    |    |    |    |    |    |    | X           |
| 25 |                           | Intensify Management                  | Fishery Industrial Technology Center   | X      | X   | X   | \$3,500                | 1                           |    |    |    |    |    |    |    |    | X           |
| 26 |                           | Intensify Management                  | Model for Capacity of Salmon Production for the Susitna Drainage                           |        | X   |     | \$150                  | M                           |    |    |    |    |    |    |    |    | X           |
| 27 |                           | Intensify Management                  | Susitna River Sockeye Salmon Production Evaluation   |        | X   |     | \$300                  | M                           |    |    |    |    |    |    |    |    | X           |
| 28 |                           | Monitoring                            | Thirteen Commercial Species Hydrocarbon Contamination and Injury Assessment                | X      | X   | X   | \$200                  | M                           | X  |    |    |    |    |    |    |    | X           |
| 29 |                           | Option Not Identified                 | Payoff Debt of Valdez Fisheries Development Association                                    | X      |     |     | \$5,000                | 1                           |    |    |    |    |    |    |    |    | X           |
| 30 |                           | Recovery Monitoring                   | Recovery of Coded-Wire Tags from Pink Salmon in Commercial Catches, Hatchery Cost Recovery | X      |     |     | \$868                  | M                           | X  |    |    |    |    |    |    |    |             |
| 31 |                           | Recovery Monitoring                   | Wild Fish Stock Information Assessment   | X      | X   | X   | \$50                   | M                           | X  |    |    |    |    |    |    |    |             |
| 32 |                           | Replace Harvest Opportunities         | Mitigation Fishery at Kitoi Bay Hatchery on Afognak Island                                 |        |     | X   | \$45                   | M                           |    |    |    |    |    |    |    |    | X           |
| 33 |                           | Replace Harvest Opportunities         | Montague Island Chum Salmon Restoration  | X      |     |     | \$80                   | M                           |    |    |    |    |    |    |    |    | X           |
| 34 |                           | Replace Harvest Opportunities         | Paint River Fish Ladder Salmon Stocking Program  |        | X   |     | \$50                   | M                           |    |    |    |    |    |    |    |    | X           |
| 35 |                           | Replace Harvest Opportunities         | Red Lake Mitigation  |        |     | X   | \$191                  | M                           |    |    |    |    |    |    |    |    | X           |
|    |                           |                                       |  |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|    |                           |                                       |  |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 36 | Common Murre              | Feasibility Study: Improve Nest Sites | Testing of the Feasibility of Enhancing Productivity                                       | X      | X   | X   | \$280                  | M                           | X  |    |    |    |    |    |    |    |             |
| 37 |                           | Feasibility Study: Social Stimuli     | Restoration of Murres by Way of Behavioral Attraction and Habitat Enhancement              | X      | X   | X   | \$51                   | 93 - M                      | X  |    |    |    |    |    |    |    |             |
| 38 |                           | Feasibility Study: Social Stimuli     | Restoration of Murres by Way of Transplantation of Chicks-Feasibility Study                | X      | X   | X   | \$73                   | M                           | X  |    |    |    |    |    |    |    |             |
| 39 |                           | Recovery Monitoring                   | Common Murre Population Monitoring   | OUT    | X   | X   | \$191                  | M                           | X  |    |    |    |    |    |    |    |             |
| 40 |                           | Reduce Disturbance                    | Reduce Disturbance Near Murre Colonies Injured by the Oil Spill                            | X      | X   | X   | \$40                   | M                           | X  |    |    |    |    |    |    |    |             |
| 41 |                           | Remove Introduced Species             | Removal of Introduced Predators from Bird Colonies   | OUT    |     |     | \$460                  | M                           | X  |    |    |    |    |    |    |    |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|----|---------------------------|---------------------------------------|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|    |                           |                                       |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 42 | Common Murre              | Restoration Monitoring                |   |        |   |   |                        | M                           |   |   |   |   |   |   |   |   |             |
| 43 | Cutthroat/Dolly           | Intensify Management                  | Cutthroat Trout and Dolly Varden Habitat Restoration                                      | X      |   |   | \$200                  | M                           |   |   |   |   |   |   |   |   | X           |
| 44 |                           | Intensify Management                  | Enhanced Management of Cutthroat Trout and Dolly Varden                                   | X      |   |   | \$285                  | M                           | X |   |   |   |   |   |   |   |             |
| 45 |                           | Option Not Identified                 | Anadromous Cutthroat and Dolly Varden Char Habitat Inventory, Evaluation, and Restoration | X      |   |   | \$35                   | M                           |   |   |   |   |   |   |   |   | X           |
| 46 |                           | Option Not Identified                 | Cutthroat Trout and Dolly Varden Hatchery   | X      |   |   | \$950                  | M                           |   |   |   |   |   |   |   |   | X           |
| 47 |                           | Restoration Monitoring                |   |        |   |   |                        | M                           |   |   |   |   |   |   |   |   |             |
| 48 | General                   | Administration                        | Oil Spill Restoration Support Service and Facilities                                      | X      | X | X | \$600                  | 1                           | X |   |   |   |   |   |   |   |             |
| 49 |                           | Monitoring                            | Monitoring of Small Cetaceans (Dall Porpoises) in PWS                                     | X      |   |   | \$200                  | M                           |   |   |   |   |   |   |   |   | X           |
| 50 |                           | Option Not Identified                 | Hazardous Material Collection Facility  | X      | X | X | \$100                  | 1                           | X |   |   |   |   |   |   |   |             |
| 51 |                           | Option Not Identified                 | Testing of Patch-Response Patch Dependence Hypothesis-Testing of an Ecosystem Model       | X      | X | X | \$488                  | M                           |   |   |   |   |   |   |   |   | X           |
| 52 |                           | Public Information                    | Public Broadcasting System Program on Oil Spill   | X      | X | X | \$70                   | M                           | X |   |   |   |   |   |   |   |             |
| 53 |                           | Public Information                    | Publish and Distribute Brochures on Injured Species                                       | X      | X | X | \$90                   | M                           | X |   |   |   |   |   |   |   |             |
| 54 |                           | Public Information                    | PWS Brochures   | X      |   |   | \$65                   | M                           | X |   |   |   |   |   |   |   |             |
| 55 |                           | Public Information                    | PWS Implementation of Interpretive Plan   | X      |   |   | \$150                  | M                           |   |   |   |   |   |   |   |   | X           |
| 56 |                           | Public Information                    | PWS Large Format Photographic Book  | X      |   |   | \$100                  | M                           |   |   |   |   |   |   |   |   | X           |
| 57 |                           | Public Information                    | PWS Scenic Byway-- Nomination and Interpretive Plan                                       | X      |   |   | \$70                   | M                           |   |   |   |   |   |   |   |   | X           |
| 58 |                           | Public Information                    | PWS Video Programs  | X      |   |   | \$100                  | M                           |   |   |   |   |   |   |   |   | X           |
| 59 |                           | Public Information                    | Science of the Sound- Education Program   | X      |   |   | \$53                   | M                           | X |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

Page 4

|    | RESOURCE<br>OR<br>SERVICE | RESTORATION OPTION<br>SUBOPTION   | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | Do Not Fund |
|----|---------------------------|-----------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
|    |                           |                                   |   | P<br>W<br>S | K<br>E<br>N | C<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 |             |
| 60 | Harbor Seal               | Cooperative Program-Fishermen     |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 61 |                           | Monitoring                        | Monitoring Trends in Abundance of Harbor Seals in PWS   | X           |             |             | \$39                   | M                           | X      |        |        |        |        |        |        |        |             |
| 62 |                           | Option Not Identified             | Subsistence Harvest Assistance  | X           |             |             | \$23                   | M                           | X      |        |        |        |        |        |        |        |             |
| 63 |                           | Option Not Identified             | Habitat Use and Behavior of Harbor Seals in PWS   | X           |             |             | \$165                  | 93 - M                      | X      |        |        |        |        |        |        |        |             |
| 64 |                           | Recovery Monitoring               | Habitat Use, Monitoring, Population Modelling, and Information Synthesis                      | X           | X           | X           | \$230                  | M                           |        |        |        |        |        |        |        |        | X           |
| 65 | Harlequin Duck            | Eliminate Oil from Mussel Beds    |   |             |             |             | \$100                  |                             | X      |        |        |        |        |        |        |        |             |
| 66 |                           | Monitoring                        | Harlequin Duck Recovery Monitoring, Population Modelling and Habitat Information Synthesis    | X           | X           | X           | \$700                  | 93 - M                      |        |        |        |        |        |        |        |        | X           |
| 67 |                           | Option Not Identified             | Quantification of Stream Habitat for Harlequin Ducks from Remotely Sensed Data                | X           | X           | X           | \$53                   | M                           | X      |        |        |        |        |        |        |        |             |
|    |                           |                                   | Population Monitoring   |             |             |             | \$100                  |                             | X      |        |        |        |        |        |        |        |             |
| 68 | Intertidal                | Accelerate Recovery of Intertidal | Deposit Sand on Cleaned Beaches, to Promote Clam Recruitment-Feasibility Study                | X           | X           | X           | \$20                   | M                           | X      |        |        |        |        |        |        |        |             |
| 69 |                           | Accelerate Recovery of Intertidal | Fucus Restoration Feasibility Study   | X           | X           | X           | \$70                   | M                           | X      |        |        |        |        |        |        |        |             |
| 70 |                           | Accelerate Recovery of Intertidal | Restoration of High-Intertidal Fucus  | X           | X           | X           | \$300                  | M                           |        |        |        |        |        |        |        |        | X           |
| 71 |                           | Accelerate Recovery of Intertidal | Beach Subsurface Oil Recovery   | X           | X           | X           | \$50                   | M                           | X      |        |        |        |        |        |        |        |             |
| 72 |                           | Accelerate Recovery of Intertidal | Hydrodynamic Purging of Oil from Contaminated Beaches, PWS                                    | X           |             |             | \$500                  | M                           |        |        |        |        |        |        |        |        | X           |
| 73 |                           | Accelerate Recovery of Intertidal | Rapid Restoration of Weathered Crude Contaminated Beach Subsurface Material                   | X           | X           | X           | \$800                  | M                           |        |        |        |        |        |        |        |        | X           |
| 74 |                           | Accelerate Recovery of Intertidal | Restore Shorelines Injured by Beach Berm Relocation   | X           | X           | X           |                        | M                           |        |        |        |        |        |        |        |        | X           |
| 75 |                           | Monitoring                        | Coastal Habitat Injury Assessment - Intertidal Algae  | X           | X           | X           | \$620                  | M                           | X      |        |        |        |        |        |        |        |             |
| 76 |                           | Monitoring                        | Fate and Transport of Subsurface Hydrocarbons in Beach Deposits in PWS                        | X           |             |             | \$600                  | M                           | X      |        |        |        |        |        |        |        |             |
| 77 |                           | Monitoring                        | Coastal Habitat Comprehensive Intertidal Monitoring Program                                   | X           | X           | X           | \$500                  | M                           | X      |        |        |        |        |        |        |        |             |
| 78 |                           | Monitoring                        | Hydrocarbons in Mussels from Coastal Gulf of Alaska, Cook Inlet and Shelikof Strait           |             | X           | X           | \$200                  | M                           | X      |        |        |        |        |        |        |        |             |
| 79 |                           | Monitoring                        | Intertidal/Shallow Subtidal Crustacean (Decapod) Composition                                  | X           | X           | X           | \$275                  | M                           |        |        |        |        |        |        |        |        | X           |
| 80 |                           | Monitoring                        | Long-Term Monitoring -Acute and Chronic Toxicity of Residual Hydrocarbons to Littleneck Clams | X           | X           | X           | \$50                   | M                           | X      |        |        |        |        |        |        |        |             |
| 81 |                           | Monitoring                        | Monitoring for Recruitment of Littleneck Clams  | X           | X           | X           | \$186                  | M                           | X      |        |        |        |        |        |        |        |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
|     |                           |                                       |  | S      | E | O |                        |                             | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 |             |
| 82  | Intertidal                | Monitoring                            | Monitoring Sites - Collector Beaches and Lagoons   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   | X           |
| 83  |                           | Monitoring                            | Natural Recovery of Oiled and Treated Shorelines and Monitoring                            | X      | X | X | \$600                  | M                           | X |   |   |   |   |   |   |   | X           |
| 84  |                           | Monitoring                            | Quantification of Intertidal Algal Recovery Using Multispectral Digital Remote Sensing     | X      | X | X | \$195                  | M                           |   |   |   |   |   |   |   |   | X           |
| 85  |                           | Monitoring                            | Recovery Monitoring of Intertidal Oiled Mussel Beds  | X      | X | X | \$500                  | 93 - M                      | X |   |   |   |   |   |   |   |             |
| 86  |                           | Monitoring                            | Herring Bay Experimental and Monitoring Studies  | X      |   |   | \$495                  | 93 - M                      | X |   |   |   |   |   |   |   |             |
| 87  |                           | Option Not Identified                 | Bivalve Shellfish Rehabilitation Project   | X      | X | X | \$860                  | M                           |   |   |   |   |   |   |   |   | X           |
| 88  |                           | Option Not Identified                 | Clam Enhancement   | X      | X | X | \$120                  | M                           | X |   |   |   |   |   |   |   |             |
| 89  |                           | Option Not Identified                 | Replacement of Oiled Mussels with Commercially Produced Mussels                            | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   | X           |
| 90  |                           | Option Not Identified                 | Restoration of Mussel Beds   | X      | X | X | \$500                  | M                           | X |   |   |   |   |   |   |   |             |
| 91  |                           | Option Not Identified                 | Characterization of Near-Shore Bottom Habitat  | X      | X | X | \$237                  | M                           |   |   |   |   |   |   |   |   | X           |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 92  | Killer Whale              | Monitoring                            | Photo-Identification Studies of PWS Killer Whales  | X      |   |   | \$120                  | 93 - M                      | X |   |   |   |   |   |   |   |             |
| 93  |                           | Monitoring                            | Recovery Monitoring  | X      |   |   | \$125                  | M                           | X |   |   |   |   |   |   |   |             |
| 94  |                           | Monitoring                            | Use of Satellite Transmitters to Investigate Killer Whale Ecology in PWS                   | X      |   |   | \$180                  | M                           |   |   |   |   |   |   |   |   | X           |
| 95  |                           | Reduce Fishery Interactions           | Change Black Cod Fishery Gear  | X      |   |   |                        | M                           | X |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 96  | Marbled Murrelet          | Habitat Protection                    | Identification of Nesting Habitat Criteria and Reproductive Success for Marbled Murrelet   | X      | X | X | \$240                  | 93 - M                      |   |   |   |   |   |   |   |   | X           |
| 97  |                           | Habitat Protection                    | Survey to Identify Upland Use by Murrelets   | X      | X | X | \$180                  | 93 - M                      | X |   |   |   |   |   |   |   |             |
| 98  |                           | Habitat Protection                    | Assessment of Marbled Murrelet Foraging Habitat Requirements During Breeding Season        | X      | X | X | \$250                  | M                           |   |   |   |   |   |   |   |   | X           |
| 99  |                           | Habitat Protection                    | Marbled Murrelet Nesting and Feeding Site Characterization and Assessment                  | X      | X | X | \$509                  | M                           | X |   |   |   |   |   |   |   |             |
| 100 |                           | Minimize Incidental Take              |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 101 |                           | Recovery Monitoring                   | Determine Status of Marbled Murrelet Populations In Kenai Fjords and Katmai National Parks |        | X | X | \$200                  | M                           | X |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1           | 1           | 1           | 1           | 1           | 1           | 2           | 2           | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|     |                           |                                       |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>9<br>4 | 9<br>9<br>5 | 9<br>9<br>6 | 9<br>9<br>7 | 9<br>9<br>8 | 9<br>9<br>9 | 0<br>0<br>0 | 0<br>0<br>1 |             |
| 102 | Marbled Murrelet          | Restoration Monitoring                | Survey to Monitor Recovery of Marbled Murrelets   | X           | X           | X           | \$250                  | M                           | X           |             |             |             |             |             |             |             |             |
| 103 | Multiple Resources        | Habitat Protection                    | Habitat Modelling   | X           | X           | X           | \$150                  | M                           |             |             |             |             |             |             |             |             | X           |
| 104 |                           | Habitat Protection                    | Riparian Habitat Assessment   | X           | X           | X           | \$110                  | M                           | X           |             |             |             |             |             |             |             | X           |
| 105 |                           | Habitat Protection                    | Stream Channel Capability Modeling  | X           | X           | X           | \$110                  | M                           |             |             |             |             |             |             |             |             | X           |
| 106 |                           | Habitat Protection                    | Stream Habitat Assessment   | X           | X           | X           | \$361                  | 93 - M                      |             |             |             |             |             |             |             |             | X           |
| 107 |                           | Habitat Protection                    | Valdez Hazardous Waste Collection   | X           |             |             | \$200                  | 1                           | X           |             |             |             |             |             |             |             | X           |
| 108 |                           | Habitat Protection                    | Vegetation and Stream Classification and Mapping  | X           | X           | X           | \$276                  | 93 - M                      |             |             |             |             |             |             |             |             | X           |
| 109 |                           | Habitat Protection                    | Wetland Habitat Classification, Mapping and Assessment                                  | X           | X           | X           | \$100                  | M                           |             |             |             |             |             |             |             |             | X           |
| 110 |                           | Habitat Protection                    | Characterization and Identification of Habitat Important to Upland Species              | X           | X           | X           | \$750                  | M                           |             |             |             |             |             |             |             |             | X           |
| 111 |                           | Habitat Protection and Acquisition    | Inholdings in Alaska Maritime National Wildlife Refuge                                  |             | X           | X           | \$111                  | 1                           | X           |             |             |             |             |             |             |             |             |
| 112 |                           | Habitat Protection and Acquisition    | Inholdings in Alaska Peninsula National Wildlife Refuge                                 |             |             | X           | ?                      | 1                           |             |             |             |             |             |             |             |             |             |
| 113 |                           | Habitat Protection and Acquisition    | Inholdings in Becharof National Wildlife Refuge   |             |             | X           | ?                      | 1                           |             |             |             |             |             |             |             |             |             |
| 114 |                           | Habitat Protection and Acquisition    | Valdez Duck Flats   | X           |             |             |                        | 1                           |             |             |             |             |             |             |             |             | X           |
| 115 |                           | Habitat Protection and Acquisition    | Inholdings in Kenai Fjords National Wildlife Refuge                                     |             | X           |             | \$20                   | 1                           | X           |             |             |             |             |             |             |             |             |
| 116 |                           | Habitat Protection and Acquisition    | Inholdings in Aniakchak National Monument and Preserve                                  |             |             | X           | ?                      | 1                           |             |             |             |             |             |             |             |             |             |
| 117 |                           | Habitat Protection and Acquisition    | Kitoi Bay Hatchery Watershed Habitat Acquisition  |             |             | X           | \$250                  | 1                           |             |             |             |             |             |             |             |             | X           |
| 118 |                           | Habitat Protection and Acquisition    | Acquire Olsen Bay Watershed   | X           |             |             | \$3,500                | 1                           |             |             |             |             |             |             |             |             | X           |
| 119 |                           | Habitat Protection and Acquisition    | Acquisition of Inholdings in Shuyak Island State Park                                   |             |             | X           | \$200                  | 1                           | X           |             |             |             |             |             |             |             |             |
| 120 |                           | Habitat Protection and Acquisition    | Acquisition of Koniag Corporation Inholdings within the Kodiak National Wildlife Refuge |             |             | X           | \$77,000               | 1                           | X           |             |             |             |             |             |             |             |             |
| 121 |                           | Habitat Protection and Acquisition    | Conservation Easement-Aialik Bay  |             | X           |             | \$90                   | 1                           | X           |             |             |             |             |             |             |             |             |
| 122 |                           | Habitat Protection and Acquisition    | Conservation Easement-Chugach Bay   |             | X           |             | \$60                   | 1                           | X           |             |             |             |             |             |             |             |             |
| 123 |                           | Habitat Protection and Acquisition    | Conservation Easement-Dogfish Bay   |             | X           |             | \$400                  | 1                           |             |             |             |             |             |             |             |             | X           |
| 124 |                           | Habitat Protection and Acquisition    | Conservation Easement-Port Chatham  |             | X           |             | \$80                   | 1                           | X           |             |             |             |             |             |             |             |             |
| 125 |                           | Habitat Protection and Acquisition    | Conservation Easement-Rock Bay  |             | X           |             | \$740                  | 1                           |             |             |             |             |             |             |             |             | X           |
| 126 |                           | Habitat Protection and Acquisition    | Habitat Acquisition   | X           | X           | X           | \$25,000               | 93 - 1                      |             |             |             |             |             |             |             |             |             |
| 127 |                           | Habitat Protection and Acquisition    | Habitat Acquisition, Afognak  |             |             | X           | \$112,500              | 1                           |             |             |             |             |             |             |             |             | X           |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1           | 1           | 1           | 1           | 1           | 1           | 2           | 2           | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|     |                           |                                       |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>9<br>4 | 9<br>9<br>5 | 9<br>9<br>6 | 9<br>9<br>7 | 9<br>9<br>8 | 9<br>9<br>9 | 0<br>0<br>0 | 0<br>0<br>1 |             |
| 128 | Multiple Resources        | Habitat Protection and Acquisition    | Habitat Acquisition, Kodiak Island  |             |             | X           | \$20,000               | 1                           |             |             |             |             |             |             |             |             | X           |
| 129 |                           | Habitat Protection and Acquisition    | Habitat Acquisition, North Afognak Island   |             |             | X           | \$4,000                | 1                           |             |             |             |             |             |             |             |             | X           |
| 130 |                           | Habitat Protection and Acquisition    | Kodiak Bear Refuge Stream Mouth Inholdings Acquisition                                      |             |             | X           | \$1,000                | 1                           | X           |             |             |             |             |             |             |             |             |
| 131 |                           | Increase Natural Food Supply          |   |             |             |             |                        |                             |             |             |             |             |             |             |             |             |             |
| 132 |                           | Intensify Management                  | Develop Management Strategy for Enhancing Recovery Rate of Bird and Sea Otter Populations   | X           | X           | X           | \$50                   | M                           | X           |             |             |             |             |             |             |             |             |
| 133 |                           | Intensify Management                  | Genetic Risk Assessment of Injured Salmonids  | X           | X           | X           | \$408                  | M                           | X           |             |             |             |             |             |             |             |             |
| 134 |                           | Intensify Management                  | Restoration and Mitigation of Essential Wetland Habitats for PWS Fish and Wildlife          | X           |             |             | \$200                  | M                           | X           |             |             |             |             |             |             |             |             |
| 135 |                           | Intensify Management                  | Restoration of Second Growth Habitat for Wildlife in PWS                                    | X           |             |             | \$40                   | M                           | X           |             |             |             |             |             |             |             |             |
| 136 |                           | Intensify Management                  | Seabird Colony Restoration  | X           | X           | X           | \$250                  | M                           | X           |             |             |             |             |             |             |             |             |
| 137 |                           | Intensify Management                  | Stock Identification of Chum, Sockeye and Chinook Salmon in PWS                             | X           |             |             | \$250                  | M                           |             |             |             |             |             |             |             |             | X           |
| 138 |                           | Monitoring                            | Shoreline Worm Life Monitoring  | X           | X           | X           | \$388                  | M                           |             |             |             |             |             |             |             |             | X           |
| 139 |                           | Option Not Identified                 | Instream Habitat and Stock Restoration Techniques for Anadromous Fish                       | X           | X           | X           | \$416                  | M                           |             |             |             |             |             |             |             |             | X           |
| 140 |                           | Option Not Identified                 | Alaska Land and Wildlife Conservation Fund  | X           | X           | X           | one billion            | M                           |             |             |             |             |             |             |             |             | X           |
| 141 |                           | Option Not Identified                 | Field Study of Bioremediation Enhancement Treatment Methods                                 | X           | X           | X           | \$280                  | M                           | X           |             |             |             |             |             |             |             |             |
| 142 |                           | Option Not Identified                 | Oil Spill Injured Resources Literature Research and Review                                  | X           | X           | X           | \$7                    | M                           | X           |             |             |             |             |             |             |             |             |
| 143 |                           | Option Not Identified                 | Analyze Natural Resource Damage Assessment Samples Left Un-Analyzed                         | X           | X           | X           | \$650                  | 1                           |             |             |             |             |             |             |             |             | X           |
| 144 |                           | Option Not Identified                 | Identification of Seabird Feeding Areas from Remotely Sensed Data and Impact on Restoration | X           | X           | X           | \$48                   | M                           |             |             |             |             |             |             |             |             | X           |
| 145 |                           | Option Not Identified                 | Shoreline Assessment  | X           | X           | X           | \$250                  | 93 - M                      | X           |             |             |             |             |             |             |             |             |
| 146 |                           | Option Not Identified                 | Uganik River Fish Counting Weir - Brown Bear and Other Wildlife Food Study                  |             |             | X           | \$28                   | M                           |             |             |             |             |             |             |             |             | X           |
| 147 |                           | Recovery Monitoring                   | Comprehensive Monitoring Program, Plan and Administer                                       | X           | X           | X           | \$500                  | 93 - M                      | X           |             |             |             |             |             |             |             |             |
| 148 |                           | Recovery Monitoring                   | Cook Inlet Comprehensive Monitoring Program   |             | X           |             | \$800                  | M                           |             |             |             |             |             |             |             |             | X           |
| 149 |                           | Recovery Monitoring                   | Full Funding for Oil Spill Recovery Institute   | X           | X           | X           | \$2,300                | 1                           |             |             |             |             |             |             |             |             | X           |
| 150 |                           | Recovery Monitoring                   | Injured Resource Food Supply  | X           | X           | X           | \$850                  | M                           |             |             |             |             |             |             |             |             | X           |
| 151 |                           | Recovery Monitoring                   | Inventory, Monitor, Protect Permanent Study Sites   | X           | X           | X           | \$500                  | M                           | X           |             |             |             |             |             |             |             |             |
| 152 |                           | Recovery Monitoring                   | Long-Term Monitoring of Marine Environment of Resurrection Bay                              |             | X           |             | \$600                  | M                           |             |             |             |             |             |             |             |             | X           |
| 153 |                           | Recovery Monitoring                   | Migratory Shore Birds Staging in Rocky Intertidal Habitats of PWS                           | X           |             |             | \$80                   | M                           | X           |             |             |             |             |             |             |             |             |
| 154 |                           | Recovery Monitoring                   | Migratory Waterfowl and Shorebird Monitoring  | X           | X           | X           | \$150                  | M                           | X           |             |             |             |             |             |             |             |             |
| 155 |                           | Recovery Monitoring                   | Monitor Population Status of Seabird Nesting Colonies in the Spill Zone                     | X           | X           | X           | \$100                  | M                           | X           |             |             |             |             |             |             |             |             |
| 156 |                           | Recovery Monitoring                   | Restoration Recovery Monitoring of Stream-Rearing Anadromous Salmonids                      | X           | X           | X           | \$200                  | M                           |             |             |             |             |             |             |             |             | X           |
| 157 |                           | Recovery Monitoring                   | Survey to Determine Abundance Distribution, Habitat, and Food Habits of Staging Shore Birds | X           |             |             | \$35                   | M                           | X           |             |             |             |             |             |             |             |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION  | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|--|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |  |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 158 | Multiple Resources        | Recovery Monitoring                    | Survey to Determine Distribution, Abundance, and Food Habits of Staging Migratory Waterfowl  | X      |   |   | \$91                   | M                           | X |   |   |   |   |   |   |   |             |
| 159 |                           | Recovery Monitoring                    | Surveys to Monitor Marine Bird and Sea-Otter Populations                                     | X      | X | X | \$275                  | 93 - M                      | X |   |   |   |   |   |   |   |             |
| 160 |                           | Reduce Disturbance by Field Presence   |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 161 |                           | Reduce Disturbance Through Public Info | Public Information and Education   | X      | X | X | \$316                  | M                           |   |   |   |   |   |   |   |   | X           |
| 162 |                           | Reduce Disturbance Through Public Info | Publish and Distribute Brochures on Injured Species  | X      | X | X | \$50                   | M                           | X |   |   |   |   |   |   |   |             |
| 163 |                           | Restoration Monitoring                 | Abundance and Distribution of Forage Fish and Their Influence on Recovery of Injured Species | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   | X           |
| 164 |                           | Restoration Monitoring                 | Ecosystem Study  | X      | X | X | \$6,000                | M                           |   |   |   |   |   |   |   |   | X           |
|     |                           |  |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |  |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 165 | Pacific Herring           | Intensify Management                   | Genetic Stock Identification for Herring in PWS  | X      |   |   | \$205                  | M                           | X |   |   |   |   |   |   |   |             |
| 166 |                           | Intensify Management                   | Herring Spawn Deposition, Egg Loss, and Reproductive Impairment                              | X      |   |   | \$400                  | M                           | X |   |   |   |   |   |   |   |             |
| 167 |                           | Intensify Management                   | PWS Herring Tagging Feasibility Study  | X      |   |   | \$112                  | M                           |   |   |   |   |   |   |   |   | X           |
| 168 |                           | Monitoring                             | Herring Embryo Viability Evaluation - Natural and Catastrophic Effects                       | X      |   |   | \$189                  | M                           | X |   |   |   |   |   |   |   |             |
| 169 |                           | Monitoring                             | Larval Herring Age and Growth in PWS Using Otoliths  | X      |   |   | \$60                   | M                           | X |   |   |   |   |   |   |   |             |
| 170 |                           | Option Not Identified                  | Enhancement of Pacific Herring   | X      | X | X | \$120                  | M                           |   |   |   |   |   |   |   |   | X           |
| 171 |                           | Restoration Monitoring                 |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |  |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |  |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 172 | Pigeon Guillemot          | Monitoring                             | Pigeon Guillemot Colony Survey   | X      | X | X | \$40                   | 93 - M                      | X |   |   |   |   |   |   |   |             |
| 173 |                           | Monitoring                             | Pigeon Guillemot Recovery Enhancement and Monitoring   | X      | X | X | \$180                  | M                           | X |   |   |   |   |   |   |   |             |
| 174 |                           | Restoration Monitoring                 |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 175 |                           | Temporary Predator Control             |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |  |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |  |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION    | POTENTIAL PROJECTS  | REGION |     |     | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 2  | Do Not Fund |
|-----|---------------------------|--|---|--------|-----|-----|------------------------|-----------------------------|----|----|----|----|----|----|----|----|-------------|
|     |                           |  |   | PWS    | KEN | KOD |                        |                             | 94 | 95 | 96 | 97 | 98 | 99 | 00 | 01 |             |
| 176 | Pink Salmon               | Fish Passes and Access                   | Feasibility of Fish Passes as Oil Spill Restoration   | X      | X   | X   | \$25                   | M                           | X  |    |    |    |    |    |    |    |             |
| 177 |                           | Fish Passes and Access                   | Horse Marine Creek Pink Salmon Restoration  |        |     | X   | \$28                   | 1                           |    |    |    |    |    |    |    |    | X           |
| 178 |                           | Fish Passes and Access                   | Otter Creek Fish Pass   | X      |     |     | \$130                  | 1                           |    |    |    |    |    |    |    |    | X           |
| 179 |                           | Fish Passes and Access                   | Pink Creek Pink Salmon Restoration  |        |     | X   | \$11                   | 1                           |    |    |    |    |    |    |    |    | X           |
| 180 |                           | Fish Passes and Access                   | Sockeye Creek Fish Pass   | X      |     |     | \$60                   | 1                           |    |    |    |    |    |    |    |    | X           |
| 181 |                           | Fish Passes and Access                   | Waterfall Creek Pink Salmon Restoration-Fish Improvement                                      |        |     | X   | \$55                   | 1                           |    |    |    |    |    |    |    |    | X           |
| 182 |                           | Improve Survival Rates                   | Fry Rearing to Improve Survival and Restore Wild Pink and Chum Salmon Stocks                  | X      | X   | X   | \$727                  | M                           |    |    |    |    |    |    |    |    | X           |
| 183 |                           | Intensify Management                     | Adult Tagging to Determine Distribution, Migratory Timing and Rate of Movement of Pink Salmon | X      |     |     | \$495                  | M                           |    |    |    |    |    |    |    |    | X           |
| 184 |                           | Intensify Management                     | Coded Wire Tag Recoveries from Commercial Catches in PWS Salmon Fisheries                     | X      |     |     | \$855                  | M                           | X  |    |    |    |    |    |    |    | X           |
| 185 |                           | Intensify Management                     | Coded Wire Tagging of Wild Stock Pink Salmon for Stock Identification                         | X      |     |     | \$500                  | M                           | X  |    |    |    |    |    |    |    | X           |
| 186 |                           | Intensify Management                     | Inventory and Effect of Straying Hatchery Pink Salmon on Wild Pink Salmon Population          | X      |     |     | \$253                  | M                           |    |    |    |    |    |    |    |    | X           |
| 187 |                           | Intensify Management                     | Otolith Marking - Inseason Stock Separation Tool to Reduce Wild Stock Salmon Exploitation     | X      | X   | X   | \$152                  | M                           | X  |    |    |    |    |    |    |    | X           |
| 188 |                           | Intensify Management                     | Pink Salmon Escapement Enumeration  | X      | X   | X   | \$705                  | M                           |    |    |    |    |    |    |    |    | X           |
| 189 |                           | Intensify Management                     | PWS Salmon Stock Genetics   | X      |     |     | \$150                  | M                           |    |    |    |    |    |    |    |    | X           |
| 190 |                           | Intensify Management                     | Quality Assurance for PWS Coded Wire Tagging and Fish Production Records                      | X      |     |     | \$66                   | M                           | X  |    |    |    |    |    |    |    | X           |
| 191 |                           | Monitoring                               | Investigating and Monitoring Oil Related Egg and Alevin Mortalities                           | X      | X   |     | \$686                  | M                           | X  |    |    |    |    |    |    |    | X           |
| 192 |                           | Monitoring                               | Restoration Monitoring and Preservation of Wild Populations of Pink Salmon                    | X      | X   |     | \$899                  | M                           | X  |    |    |    |    |    |    |    | X           |
| 193 |                           | Monitoring                               | Injury to Salmon Eggs and Pre-emergent Fry in PWS, Laboratory Verification                    | X      |     |     | \$141                  | M                           | X  |    |    |    |    |    |    |    | X           |
| 194 |                           | Monitoring                               | Pink Salmon Egg to Pre-Emergent Fry Survival in PWS   | X      |     |     | \$385                  | 93 - M                      |    |    |    |    |    |    |    |    | X           |
| 195 |                           | Monitoring                               | Monitoring Early Marine Growth of Juvenile Salmon in Prince William Sound                     | X      |     |     | \$50                   | M                           | X  |    |    |    |    |    |    |    | X           |
| 196 |                           | Option Not Identified                    | Pink Salmon Stream Enhancement in Prince William Sound, Lower Cook Inlet and Kodiak           | X      | X   | X   | \$300                  | M                           |    |    |    |    |    |    |    |    | X           |
|     |                           |  |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|     |                           |  |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 197 | Recreation                | Establish Marine Environmental Institute | Build Research and Monitoring Facilities and Program/Cook Inlet, Kodiak                       |        | X   | X   | \$1,250                | M                           |    |    |    |    |    |    |    |    | X           |
| 198 |                           | Establish Marine Environmental Institute | Oiled Wildlife Rehabilitation Center  | X      | X   | X   | \$6,000                | 1                           |    |    |    |    |    |    |    |    | X           |
| 199 |                           | Establish Marine Environmental Institute | Seward Sea Life Center  | X      | X   | X   | \$40,000               | 1                           |    |    |    |    |    |    |    |    | X           |
| 200 |                           | Habitat Protection and Acquisition       | 17(b) Easement Identification-Public Access   | X      | X   | X   | \$500                  | M                           |    |    |    |    |    |    |    |    | X           |
| 201 |                           | Habitat Protection and Acquisition       | Acquisition of Important Recreation Lands   | X      | X   | X   | \$500                  | M                           |    |    |    |    |    |    |    |    | X           |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 202 | Recreation                | Habitat Protection and Acquisition    | Acquisition of Recreational Sites on Kodiak Road System                              |        |   | X | \$500                  | 1                           |   |   |   |   |   |   |   |   | X           |
| 203 |                           | Habitat Protection and Acquisition    | Land Exchange Shuyak for Kodiak Land on Road System                                  |        |   | X | \$70                   | 1                           |   |   |   |   |   |   |   |   | X           |
| 204 |                           | Habitat Protection and Acquisition    | Shelter Cove, Cordova Restoration Project  | X      |   |   | \$50                   | M                           |   |   |   |   |   |   |   |   | X           |
| 205 |                           | Monitoring                            | Assessment of Economic Injuries to Wilderness-Based Tourism                          | X      | X | X | \$100                  | M                           |   |   |   |   |   |   |   |   | X           |
| 206 |                           | Monitoring                            | Post-Oil Spill Recreation-Based User Survey for PWS                                  | X      |   |   | \$58                   | M                           | X |   |   |   |   |   |   |   | X           |
| 207 |                           | Monitoring                            | Recreation Field Management and Monitoring   | X      | X | X | \$700                  | M                           |   |   |   |   |   |   |   |   | X           |
| 208 |                           | New Backcountry Recreation Facilities | Enhanced Trail Opportunities, Including Columbia and Blackstone Glacier Trails       | X      |   |   | \$150                  | 1                           |   |   |   |   |   |   |   |   | X           |
| 209 |                           | New Backcountry Recreation Facilities | Green Island Cabin Replacement   | X      |   |   | \$20                   | 1                           |   |   |   |   |   |   |   |   | X           |
| 210 |                           | New Backcountry Recreation Facilities | Improve Marine Parks   | X      | X | X | \$100                  | M                           |   |   |   |   |   |   |   |   | X           |
| 211 |                           | New Backcountry Recreation Facilities | Low Impact Recreation Development Nellie Juan, College Fiord Wilderness Study Area   | X      |   |   | \$100                  | 1                           |   |   |   |   |   |   |   |   | X           |
| 212 |                           | New Backcountry Recreation Facilities | Prince William Sound Campground  | X      |   |   | \$70                   | 1                           |   |   |   |   |   |   |   |   | X           |
| 213 |                           | New Backcountry Recreation Facilities | Public Use Cabins in State Marine Parks  | X      | X | X | \$150                  | M                           |   |   |   |   |   |   |   |   | X           |
| 214 |                           | New Backcountry Recreation Facilities | PWS Kayak Trail  | X      |   |   | \$100                  | 1                           |   |   |   |   |   |   |   |   | X           |
| 215 |                           | New Backcountry Recreation Facilities | PWS Recreation Facilities  | X      |   |   | \$250                  | 1                           |   |   |   |   |   |   |   |   | X           |
| 216 |                           | Option Not Identified                 | Development of Gulf of Alaska Recreation Plan  |        | X | X | \$140                  | 1                           |   |   |   |   |   |   |   |   | X           |
| 217 |                           | Option Not Identified                 | Implement Prince William Sound Area Recreation Plan                                  | X      |   |   | \$400                  | M                           |   |   |   |   |   |   |   |   | X           |
| 218 |                           | Option Not Identified                 | Sustainable Tourism in PWS   | X      |   |   | \$240                  | M                           |   |   |   |   |   |   |   |   | X           |
| 219 |                           | Option Not Identified                 | Watchable Wildlife   | X      | X | X | \$65                   | M                           |   |   |   |   |   |   |   |   | X           |
| 220 |                           | Option Not Identified                 | Increased Access PWS   | X      |   |   | \$100                  | M                           |   |   |   |   |   |   |   |   | X           |
| 221 |                           | Plan Commercial Recreation Facilities | Recreation Development   | X      | X | X | \$200                  | M                           |   |   |   |   |   |   |   |   | X           |
| 222 |                           | Restoration Monitoring                |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   | X           |
| 223 |                           | Visitor Center                        | Bird and Mammal Specimens, University of Alaska Museum                               | X      | X | X | \$77                   | M                           |   |   |   |   |   |   |   |   | X           |
| 224 |                           | Visitor Center                        | Center for PWS Oil Spill and Natural Resource Education                              | X      |   |   |                        | 1                           |   |   |   |   |   |   |   |   | X           |
| 225 |                           | Visitor Center                        | Coastal Habitat Specimens, University of Alaska Museum                               | X      | X | X | \$310                  | M                           |   |   |   |   |   |   |   |   | X           |
| 226 |                           | Visitor Center                        | Cordova Environmental Education Center   | X      |   |   | \$15                   | 1                           |   |   |   |   |   |   |   |   | X           |
| 227 |                           | Visitor Center                        | Cordova Mini-Imaginarium   | X      |   |   | \$63                   | 1                           |   |   |   |   |   |   |   |   | X           |
| 228 |                           | Visitor Center                        | Develop Video Library of Intertidal Habitat and Biota to Assess Impacts              | X      | X | X | \$155                  | M                           |   |   |   |   |   |   |   |   | X           |
| 229 |                           | Visitor Center                        | Environmental Education Center in PWS  | X      |   |   | \$90                   | 1                           |   |   |   |   |   |   |   |   | X           |
| 230 |                           | Visitor Center                        | Environmental Learning Resource Center   | X      | X | X | \$90                   | 1                           |   |   |   |   |   |   |   |   | X           |
| 231 |                           | Visitor Center                        | Establish Natural Resource Library and Computer Support Technical Service in Cordova | X      |   |   | \$450                  | 1                           |   |   |   |   |   |   |   |   | X           |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |     |     | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 2  | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|--------|-----|-----|------------------------|-----------------------------|----|----|----|----|----|----|----|----|-------------|
|     |                           |                                       |   | PWS    | KEN | KOD |                        |                             | 94 | 95 | 96 | 97 | 98 | 99 | 00 | 01 |             |
| 232 | <b>Recreation</b>         | Visitor Center                        | Information Center  | X      | X   | X   | \$600                  | 1                           |    |    |    |    |    |    |    |    | X           |
| 233 |                           | Visitor Center                        | Interpretation of PWS   | X      |     |     | \$10                   | M                           |    |    |    |    |    |    |    |    | X           |
| 234 |                           | Visitor Center                        | Maritime Wing Valdez Museum   | X      |     |     | \$150                  | 1                           |    |    |    |    |    |    |    |    | X           |
| 235 |                           | Visitor Center                        | Multi-agency Library on PWS and Copper River Delta  | X      |     |     | \$150                  | 1                           |    |    |    |    |    |    |    |    | X           |
| 236 |                           | Visitor Center                        | Valdez Visitor Center   | X      |     |     | \$850                  | 1                           |    |    |    |    |    |    |    |    | X           |
|     |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|     |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 237 | <b>River Otter</b>        | Monitoring                            | River Otter Recovery Monitoring   | X      |     |     | \$180                  | M                           | X  |    |    |    |    |    |    |    |             |
| 238 |                           | Monitoring                            | Synthesis of Information on Ecology and Injury to River Otters in PWS                     | X      |     |     | \$40                   | M                           | X  |    |    |    |    |    |    |    |             |
| 239 |                           | Restoration Monitoring                |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 240 |                           | Sport/trap Harvest Guidelines         | Develop Harvest Guidelines to Aid Restoration of Injured Terrestrial Mammals and Seaducks | X      | X   | X   | \$99                   | 1                           | X  |    |    |    |    |    |    |    |             |
|     |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|     |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 241 | <b>Rockfish</b>           | Intensify Management                  | Develop a Rockfish Management Plan  | X      | X   |     | \$175                  | M                           | X  |    |    |    |    |    |    |    |             |
| 242 |                           | Monitoring                            | Monitoring Injury to Rockfish in PWS  | X      |     |     | \$117                  | M                           | X  |    |    |    |    |    |    |    |             |
| 243 |                           | Monitoring                            |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|     |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|     |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 244 | <b>Sea Otter</b>          | Cooperative Prgm-Subsistence Users    |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 245 |                           | Habitat Protection (Public Land)      | Habitat Utilization by Sea Otters and Designation of Protected Areas                      | X      | X   | X   | \$83                   | M                           | X  |    |    |    |    |    |    |    |             |
| 246 |                           | Monitoring                            | Monitoring of Sea Otter Population Abundance, Distribution, Reproduction, and Mortality   | X      | X   | X   | \$337                  | M                           | X  |    |    |    |    |    |    |    |             |
| 247 |                           | Monitoring                            | Radio-Telemetry Project to Monitor Recovery of Sea Otters                                 | X      | X   | X   | \$450                  | M                           | X  |    |    |    |    |    |    |    |             |
| 248 |                           | Monitoring                            | Sea Otter Population Dynamics   | X      | X   | X   | \$291                  | 93 - M                      | X  |    |    |    |    |    |    |    |             |
| 249 |                           | Restoration Monitoring                |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 250 | Sea Otter                 | Study: Eliminate Oil from Mussel Beds |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 251 | Sockeye Salmon            | Fish Passes and Access                | Solf Lake Fish Pass  | X      |   |   | \$120                  | M                           |   |   |   |   |   |   |   |   | X           |
| 252 |                           | Intensify Management                  | Develop and Deploy In-River Hydroacoustic Counters for Sockeye Salmon in the Kenai River |        | X |   | \$333                  | M                           |   |   |   |   |   |   |   |   | X           |
| 253 |                           | Intensify Management                  | Genetic Monitoring of Kodiak Island Sockeye Salmon                                       |        |   | X | \$275                  | M                           |   |   |   |   |   |   |   |   | X           |
| 254 |                           | Intensify Management                  | Genetic Stock Identification of Kenai River Sockeye                                      |        | X |   | \$500                  | 93 - M                      |   |   |   |   |   |   |   |   | X           |
| 255 |                           | Intensify Management                  | Kenai River Sockeye Salmon Restoration   |        | X |   | \$1,000                | 93 - M                      |   |   |   |   |   |   |   |   | X           |
| 256 |                           | Intensify Management                  | Lower Cook Inlet Sockeye Salmon Restoration and Enhancement                              |        | X |   | \$143                  | M                           |   |   |   |   |   |   |   |   | X           |
| 257 |                           | Monitoring                            | Ayakulik River Sockeye Salmon Escapement Evaluation                                      |        |   | X | \$6                    | M                           |   |   |   |   |   |   |   |   | X           |
| 258 |                           | Monitoring                            | Sockeye Salmon Overescapement  |        | X | X | \$641                  | 93 - M                      | X |   |   |   |   |   |   |   | X           |
| 259 |                           | Option Not Identified                 | Restoration of the Coghill Lake Sockeye Salmon Stock                                     | X      |   |   | \$165                  | 93 - M                      |   |   |   |   |   |   |   |   | X           |
| 260 |                           | Option Not Identified                 | Red Lake Salmon Restoration  |        |   | X | \$72                   | M                           |   |   |   |   |   |   |   |   | X           |
| 261 | Sport Fishing             | Recovery Monitoring                   |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   | 7           |
| 262 |                           | Replace Harvest Opportunities         | Fort Richardson Hatchery Improvement   |        | X |   | \$4,200                | 1                           |   |   |   |   |   |   |   |   | X           |
| 263 |                           | Restoration Monitoring                |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 264 | Subsistence               | Access to Traditional Foods           |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 265 |                           | Bivalve Shellfish Hatchery            |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 266 |                           | Option Not Identified                 | Chenega Bay Subsistence Restoration Project (Remove Oil)                                 | X      |   |   | \$200                  | M                           | X |   |   |   |   |   |   |   |             |
| 267 |                           | Option Not Identified                 | Mariculture Hatchery and Research Center Feasibility Study and Design                    | X      | X | X | \$300                  | 1                           | X |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
|     |                           |                                       |  | W      | E | O |                        |                             | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 |             |
| 268 | Subsistence               | Option Not Identified                 | Mariculture Technical Center   | X      | X | X | \$2,200                | 1                           |   |   |   |   |   |   |   |   | X           |
| 269 |                           | Option Not Identified                 | Seward Shellfish Hatchery  | X      | X | X | \$1,300                | 1                           |   |   |   |   |   |   |   |   | X           |
| 270 |                           | Recovery Monitoring                   | Survey of Impacted Native Communities-Subsistence                                  | X      | X | X | \$700                  | M                           | X |   |   |   |   |   |   |   |             |
| 271 |                           | Replace Harvest Opportunities         | Chenega Bay Replacement Subsistence Resource Project                               | X      |   |   | \$50                   | M                           | X |   |   |   |   |   |   |   |             |
| 272 |                           | Replace Harvest Opportunities         | Chenega Chinook and Coho Release Program   | X      |   |   | \$55                   | M                           |   |   |   |   |   |   |   |   | X           |
| 273 |                           | Replace Harvest Opportunities         | Port Graham Salmon Hatchery  |        | X |   | \$2,500                | 1                           |   |   |   |   |   |   |   |   | X           |
| 274 |                           | Replace Harvest Opportunities         | Silver Lake Fish Hatchery  | X      |   |   | \$1,000                | 1                           |   |   |   |   |   |   |   |   | X           |
| 275 |                           | Replace Harvest Opportunities         | Subsistence Harvest Replacement-Transport Subsistence Users to Unoiled Areas       | X      | X | X | \$55                   | M                           | X |   |   |   |   |   |   |   |             |
| 276 |                           | Restoration Monitoring                |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 277 |                           | Subsistence Mariculture Sites         | Village Mariculture Project - Oyster Farming                                       | X      | X | X | \$589                  | M                           | X |   |   |   |   |   |   |   |             |
| 278 |                           | Test Subsistence Foods                | Assessment and Quality Assurance of Shellfish Resources                            | X      | X | X | \$300                  | M                           | X |   |   |   |   |   |   |   |             |
| 279 |                           | Test Subsistence Foods                | Subsistence Food Safety Testing  | X      | X | X | \$308                  | 93 - M                      | X |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 280 | Subtidal                  | Habitat Protection                    | Juvenile Spot Shrimp Habitat Identification  | X      | X |   | \$110                  | M                           |   |   |   |   |   |   |   |   | X           |
| 281 |                           | Intensify Management                  | PWS Spot Shrimp Recovery Management Plan   | X      |   |   | \$715                  | M                           |   |   |   |   |   |   |   |   | X           |
| 282 |                           | Monitoring                            | PWS Spot Shrimp Survey   | X      |   |   | \$90                   | M                           |   |   |   |   |   |   |   |   | X           |
| 283 |                           | Monitoring                            | Injury and Recovery of Deep-Benthic Macrofaunal Communities                        | X      | X | X | \$275                  | M                           |   |   |   |   |   |   |   |   | X           |
| 284 |                           | Monitoring                            | Natural Recovery Monitoring of Subtidal Eelgrass Communities in PWS                | X      |   |   | \$265                  | 93 - M                      | X |   |   |   |   |   |   |   |             |
| 285 |                           | Monitoring                            | Recovery Monitoring of Hydrocarbon-Contaminated Subtidal Marine Sediment Resources | X      | X | X | \$390                  | M                           | X |   |   |   |   |   |   |   |             |
| 286 |                           | Monitoring                            | Subtidal Recovery Monitoring   | X      | X | X | \$400                  | M                           | X |   |   |   |   |   |   |   |             |
| 287 |                           | Restoration Monitoring                | Experimental Studies of Interaction Between Subtidal Epifaunal Invertebrates       | X      | X | X | \$90                   | M                           |   |   |   |   |   |   |   |   | X           |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 288 | Technical Services        | Administration                        | Electronic Archiving of Exxon Valdez Records                                       | X      | X | X | \$450                  | M                           | X |   |   |   |   |   |   |   |             |
| 289 |                           | Administration                        | Geographic Information System Mapping of Natural Resources in Western PWS          | X      |   |   | \$75                   | M                           | X |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 290 | Technical Services        | Administration                        | Hydrocarbon Data Analysis and Interpretation  | X      | X | X | \$105                  | 93 - M                      | X |   |   |   |   |   |   |   |             |
| 291 |                           | Administration                        | Toxicological Profile of PWS  | X      |   |   | \$150                  | M                           | X |   |   |   |   |   |   |   |             |
| 292 |                           | Public Information                    | CD-ROM Publication of Digital Spatial Data from Exxon Valdez Oil Spill Mapping Activities | X      | X | X | \$8                    | M                           | X |   |   |   |   |   |   |   |             |
| 293 |                           | Public Information                    | Database Integration  | X      | X | X | \$148                  | M                           | X |   |   |   |   |   |   |   |             |
| 294 |                           | Public Information                    | Develop User Friendly Synopsis of Oil Spill Information                                   | X      | X | X |                        | M                           |   |   |   |   |   |   |   |   |             |
| 295 |                           | Public Information                    | Providing Public Access to Oilspill GIS Databases Using Arcview in PC Windows Environment | X      | X | X | \$120                  | M                           | X |   |   |   |   |   |   |   |             |
| 296 |                           | Public Information                    | Public Access Repository for Oil Spill Geographic Information System (GIS)                | X      | X | X | \$100                  | M                           | X |   |   |   |   |   |   |   |             |
| 297 |                           | Public Information                    | User-Friendly GIS and Remote-Sensing Demonstration Center for Public-5 Communities        | X      | X | X | \$72                   | M                           |   |   |   |   |   |   |   |   | X           |
|     |                           |                                       |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

15.2.4 145W

A. Wieland  
1421 N St  
Anchorage, AK 99501



EXXON VALDEZ TRUSTEE COUNCIL  
1994 Work Plan Work Group  
645 "G" Street  
Anchorage, Alaska 99501

0118940520  
RECEIVED  
MAY 20 1993

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL

RECEIVED  
OCT 02 1995

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL  
ADMINISTRATIVE RECORD

Name: Anne Wieland  
 Phone: 235-6919 (Homer) 276-5477 Anchorage

1994 POTENTIAL PROJECT TITLES

Page 1

and → and \* used to

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|----|---------------------------|---------------------------------------|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|    |                           |                                       |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 1  | Archaeology               | Acquire Archaeological Artifacts      | Archaeological Specimens Collection, University of Alaska Museum                    | X      | X | X | \$41                   | M                           |   |   |   |   |   |   |   |   |             |
| 2  |                           | Acquire Archaeological Artifacts      | Nuchek Heritage Interpretive Center, Design   | X      |   |   | \$300                  | 1                           |   |   |   |   |   |   |   |   |             |
| 3  |                           | Habitat Protection and Acquisition    | Archaeological Site Acquisition   | X      | X | X | \$200                  | M                           |   |   |   |   |   |   |   |   |             |
| 4  |                           | Intensified Management                | Coastal Archaeological Inventory and Evaluation of Archaeological Sites-Interagency | X      | X | X | \$525                  | M                           |   |   |   |   |   |   |   |   |             |
| 5  |                           | Intensified Management                | Vandalized Cultural Resources--Inventory, Evaluation, Interpretation                | X      | X | X | \$400                  | M                           | ✓ |   |   |   |   |   |   |   |             |
| 6  |                           | Option Not Identified                 | Restoration of Chenega Village Site   | X      |   |   | \$75                   | 1                           |   |   |   |   |   |   |   |   |             |
| 7  |                           | Option Not Identified                 | Site-specific Archaeological Restoration - Interagency                              | X      | X | X | \$300                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 8  |                           | Public Information                    | Passports in Time-Cultural Resource Patterns in PWS                                 | X      |   |   | \$230                  | M                           |   |   |   |   |   |   |   |   |             |
| 9  |                           | Public Information                    | Heritage Information Replacement  | X      | X | X | \$200                  | M                           |   |   |   |   |   |   |   |   |             |
| 10 |                           | Public Information                    | PWS Landmarks-Evaluation and Interpretation   | X      |   |   | \$400                  | M                           | ✓ |   |   |   |   |   |   |   |             |
| 11 |                           | Public Information                    | Public Education and Interpretation of Archaeological Resource                      | X      | X | X | \$400                  | M                           |   |   |   |   |   |   |   |   |             |
| 12 |                           | Restoration Monitoring                | Study of Petroleum Hydrocarbon Spectra at Selected Sites                            | X      | X | X | \$225                  | M                           |   |   |   |   |   |   |   |   |             |
| 13 |                           | Site Patrol and Monitoring            | Archaeological Site Protection-Public Education-Interagency                         | X      | X | X | \$150                  | M                           |   |   |   |   |   |   |   |   |             |
| 14 |                           | Site Patrol and Monitoring            | Archaeological Site Protection-Site Patrol Monitoring-Interagency                   | X      | X | X | \$210                  | M                           |   |   |   |   |   |   |   |   |             |
| 15 |                           | Site Stewardship Program              | Archaeological Site Stewardship Program   | X      | X | X | \$114                  | M                           |   |   |   |   |   |   |   |   |             |
| 16 |                           | Visitor Center                        | Chugach National Forest Heritage Interpretive Center, Design                        | X      |   |   | \$1,200                | 1                           |   |   |   |   |   |   |   |   |             |
| 17 | Bald Eagle                | Habitat Protection                    | Identification and Protection of Important Bald Eagle Habitats                      | X      | X | X | \$262                  | M                           | ✓ |   |   |   |   |   |   |   |             |
| 18 |                           | Recovery Monitoring                   | Bald Eagle Productivity Survey and Catalog  | X      | X | X | \$10                   | M                           | ✓ |   |   |   |   |   |   |   |             |
| 19 |                           | Recovery Monitoring                   | Long-Term Population Monitoring for Bald Eagles                                     | X      | X | X | \$200                  | M                           | ✓ |   |   |   |   |   |   |   |             |
| 20 | Black Oystercatcher       | Recovery Monitoring                   | Black Oystercatcher Interaction with Intertidal Communities                         | X      | X | X | \$108                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 21 |                           | Recovery Monitoring                   | Feeding Ecology and Reproductive Success of Black Oystercatchers in PWS             | X      |   |   | \$125                  | M                           |   |   |   |   |   |   |   |   |             |

indicate  
 time-  
 duration-  
 I don't  
 know over  
 what  
 period  
 of time  
 most of  
 my  
 choices  
 should  
 be  
 funded.

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

# 1994 POTENTIAL PROJECT TITLES

Page 2

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | Do Not Fund |
|----|---------------------------|---------------------------------------|--|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
|    |                           |                                       |  | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 |             |
| 22 | Black Oystercatcher       | Restoration Monitoring                |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 23 | Commercial Fishing        | Habitat Protection and Acquisition    | Weir And Conservation Land Acquisition ✓   | X           | X           | X           | \$1,100                | M                           |        |        |        |        |        |        |        |        |             |
| 24 |                           | Intensify Management                  | Establish an Ecological Basis for Restoring and Enhancing Mixed-stock Salmon Resources     | X           | X           | X           | \$385                  | M                           |        |        |        |        |        |        |        |        |             |
| 25 |                           | Intensify Management                  | Fishery Industrial Technology Center   | X           | X           | X           | \$3,500                | 1                           |        |        |        |        |        |        |        |        |             |
| 26 |                           | Intensify Management                  | Model for Capacity of Salmon Production for the Susitna Drainage                           |             | X           |             | \$150                  | M                           |        |        |        |        |        |        |        |        |             |
| 27 |                           | Intensify Management                  | Susitna River Sockeye Salmon Production Evaluation   |             | X           |             | \$300                  | M                           |        |        |        |        |        |        |        |        |             |
| 28 |                           | Monitoring                            | Thirteen Commercial Species Hydrocarbon Contamination and Injury Assessment                | X           | X           | X           | \$200                  | M                           |        |        |        |        |        |        |        |        |             |
| 29 |                           | Option Not Identified                 | Payoff Debt of Valdez Fisheries Development Association                                    | X           |             |             | \$5,000                | 1                           |        |        |        |        |        |        |        |        |             |
| 30 |                           | Recovery Monitoring                   | Recovery of Coded-Wire Tags from Pink Salmon in Commercial Catches, Hatchery Cost Recovery | X           |             |             | \$868                  | M                           |        |        |        |        |        |        |        |        |             |
| 31 |                           | Recovery Monitoring                   | Wild Fish Stock Information Assessment   | X           | X           | X           | \$50                   | M                           |        |        |        |        |        |        |        |        |             |
| 32 |                           | Replace Harvest Opportunities         | Mitigation Fishery at Kitoi Bay Hatchery on Afognak Island                                 |             |             | X           | \$45                   | M                           |        |        |        |        |        |        |        |        |             |
| 33 |                           | Replace Harvest Opportunities         | Montague Island Chum Salmon Restoration  | X           |             |             | \$80                   | M                           |        |        |        |        |        |        |        |        |             |
| 34 |                           | Replace Harvest Opportunities         | Paint River Fish Ladder Salmon Stocking Program  |             | X           |             | \$50                   | M                           |        |        |        |        |        |        |        |        |             |
| 35 |                           | Replace Harvest Opportunities         | Red Lake Mitigation  |             |             | X           | \$191                  | M                           |        |        |        |        |        |        |        |        |             |
| 36 | Common Murre              | Feasibility Study: Improve Nest Sites | Testing of the Feasibility of Enhancing Productivity                                       | X           | X           | X           | \$280                  | M                           |        |        |        |        |        |        |        |        |             |
| 37 |                           | Feasibility Study: Social Stimuli     | Restoration of Murres by Way of Behavioral Attraction and Habitat Enhancement              | X           | X           | X           | \$51                   | 93 - M                      |        |        |        |        |        |        |        |        |             |
| 38 |                           | Feasibility Study: Social Stimuli     | Restoration of Murres by Way of Transplantation of Chicks-Feasibility Study                | X           | X           | X           | \$73                   | M                           |        |        |        |        |        |        |        |        |             |
| 39 |                           | Recovery Monitoring                   | Common Murre Population Monitoring   | OUT         | X           | X           | \$191                  | M                           |        |        |        |        |        |        |        |        |             |
| 40 |                           | Reduce Disturbance                    | Reduce Disturbance Near Murre Colonies Injured by the Oil Spill                            | X           | X           | X           | \$40                   | M                           |        |        |        |        |        |        |        |        |             |
| 41 |                           | Remove Introduced Species             | Removal of Introduced Predators from Bird Colonies   | OUT         |             |             | \$460                  | M                           |        |        |        |        |        |        |        |        |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |     |     | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 2  | Do Not Fund |
|----|---------------------------|---------------------------------------|---|--------|-----|-----|------------------------|-----------------------------|----|----|----|----|----|----|----|----|-------------|
|    |                           |                                       |   | PWS    | KEN | KOD |                        |                             | 94 | 95 | 96 | 97 | 98 | 99 | 00 | 01 |             |
| 42 | Common Murre              | Restoration Monitoring                |   |        |     |     |                        | M                           |    |    |    |    |    |    |    |    |             |
|    |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|    |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 43 | Cutthroat/Dolly           | Intensify Management                  | Cutthroat Trout and Dolly Varden Habitat Restoration                                      | X      |     |     | \$200                  | M                           |    |    |    |    |    |    |    |    |             |
| 44 |                           | Intensify Management                  | Enhanced Management of Cutthroat Trout and Dolly Varden                                   | X      |     |     | \$285                  | M                           |    |    |    |    |    |    |    |    |             |
| 45 |                           | Option Not Identified                 | Anadromous Cutthroat and Dolly Varden Char Habitat Inventory, Evaluation, and Restoration | X      |     |     | \$35                   | M                           |    |    |    |    |    |    |    |    |             |
| 46 |                           | Option Not Identified                 | Cutthroat Trout and Dolly Varden Hatchery   | X      |     |     | \$950                  | M                           |    |    |    |    |    |    |    |    |             |
| 47 |                           | Restoration Monitoring                |   |        |     |     |                        | M                           |    |    |    |    |    |    |    |    |             |
|    |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|    |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 48 | General                   | Administration                        | Oil Spill Restoration Support Service and Facilities                                      | X      | X   | X   | \$600                  | 1                           |    |    |    |    |    |    |    |    |             |
| 49 |                           | Monitoring                            | Monitoring of Small Cetaceans (Dall Porpoises) in PWS                                     | X      |     |     | \$200                  | M                           |    |    |    |    |    |    |    |    |             |
| 50 |                           | Option Not Identified                 | Hazardous Material Collection Facility  | X      | X   | X   | \$100                  | 1                           |    |    |    |    |    |    |    |    |             |
| 51 |                           | Option Not Identified                 | Testing of Patch-Response Patch Dependence Hypothesis-Testing of an Ecosystem Model       | X      | X   | X   | \$488                  | M                           |    |    |    |    |    |    |    |    |             |
| 52 |                           | Public Information                    | Public Broadcasting System Program on Oil Spill   | X      | X   | X   | \$70                   | M                           |    |    |    |    |    |    |    |    |             |
| 53 |                           | Public Information                    | Publish and Distribute Brochures on Injured Species                                       | X      | X   | X   | \$90                   | M                           |    |    |    |    |    |    |    |    |             |
| 54 |                           | Public Information                    | PWS Brochures   | X      |     |     | \$65                   | M                           |    |    |    |    |    |    |    |    |             |
| 55 |                           | Public Information                    | PWS Implementation of Interpretive Plan   | X      |     |     | \$150                  | M                           |    |    |    |    |    |    |    |    |             |
| 56 |                           | Public Information                    | PWS Large Format Photographic Book  | X      |     |     | \$100                  | M                           |    |    |    |    |    |    |    |    |             |
| 57 |                           | Public Information                    | PWS Scenic Byway-- Nomination and Interpretive Plan                                       | X      |     |     | \$70                   | M                           |    |    |    |    |    |    |    |    |             |
| 58 |                           | Public Information                    | PWS Video Programs  | X      |     |     | \$100                  | M                           |    |    |    |    |    |    |    |    |             |
| 59 |                           | Public Information                    | Science of the Sound- Education Program   | X      |     |     | \$53                   | M                           |    |    |    |    |    |    |    |    |             |
|    |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|    |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>OF<br>SERVICE | RESTORATION OPTION<br>SUBOPTION   | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|----|---------------------------|-----------------------------------|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|    |                           |                                   |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 60 | Harbor Seal               | Cooperative Program-Fishermen     |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 61 |                           | Monitoring                        | Monitoring Trends in Abundance of Harbor Seals in PWS   | X      |   |   | \$39                   | M                           |   |   |   |   |   |   |   |   |             |
| 62 |                           | Option Not Identified             | Subsistence Harvest Assistance  | X      |   |   | \$23                   | M                           |   |   |   |   |   |   |   |   |             |
| 63 |                           | Option Not Identified             | Habitat Use and Behavior of Harbor Seals in PWS   | X      |   |   | \$165                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 64 |                           | Recovery Monitoring               | Habitat Use, Monitoring, Population Modelling, and Information Synthesis                      | X      | X | X | \$230                  | M                           |   |   |   |   |   |   |   |   |             |
|    |                           |                                   |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|    |                           |                                   |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 65 | Harlequin Duck            | Eliminate Oil from Mussel Beds    |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 66 |                           | Monitoring                        | Harlequin Duck Recovery Monitoring, Population Modelling and Habitat Information Synthesis    | X      | X | X | \$700                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 67 |                           | Option Not Identified             | Quantification of Stream Habitat for Harlequin Ducks from Remotely Sensed Data                | X      | X | X | \$53                   | M                           |   |   |   |   |   |   |   |   |             |
|    |                           |                                   |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|    |                           |                                   |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 68 | Intertidal                | Accelerate Recovery of Intertidal | Deposit Sand on Cleaned Beaches, to Promote Clam Recruitment-Feasibility Study                | X      | X | X | \$20                   | M                           |   |   |   |   |   |   |   |   |             |
| 69 |                           | Accelerate Recovery of Intertidal | Fucus Restoration Feasibility Study   | X      | X | X | \$70                   | M                           |   |   |   |   |   |   |   |   |             |
| 70 |                           | Accelerate Recovery of Intertidal | Restoration of High-Intertidal Fucus  | X      | X | X | \$300                  | M                           |   |   |   |   |   |   |   |   |             |
| 71 |                           | Accelerate Recovery of Intertidal | Beach Subsurface Oil Recovery   | X      | X | X | \$50                   | M                           |   |   |   |   |   |   |   |   |             |
| 72 |                           | Accelerate Recovery of Intertidal | Hydrodynamic Purging of Oil from Contaminated Beaches, PWS                                    | X      |   |   | \$500                  | M                           |   |   |   |   |   |   |   |   |             |
| 73 |                           | Accelerate Recovery of Intertidal | Rapid Restoration of Weathered Crude Contaminated Beach Subsurface Material                   | X      | X | X | \$800                  | M                           |   |   |   |   |   |   |   |   |             |
| 74 |                           | Accelerate Recovery of Intertidal | Restore Shorelines Injured by Beach Berm Relocation   | X      | X | X |                        | M                           |   |   |   |   |   |   |   |   |             |
| 75 |                           | Monitoring                        | Coastal Habitat Injury Assessment - Intertidal Algae  | X      | X | X | \$620                  | M                           |   |   |   |   |   |   |   |   |             |
| 76 |                           | Monitoring                        | Fate and Transport of Subsurface Hydrocarbons in Beach Deposits in PWS                        | X      |   |   | \$600                  | M                           |   |   |   |   |   |   |   |   |             |
| 77 |                           | Monitoring                        | Coastal Habitat Comprehensive Intertidal Monitoring Program                                   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |             |
| 78 |                           | Monitoring                        | Hydrocarbons in Mussels from Coastal Gulf of Alaska, Cook Inlet and Shelikof Strait           |        | X | X | \$200                  | M                           |   |   |   |   |   |   |   |   |             |
| 79 |                           | Monitoring                        | Intertidal/Shallow Subtidal Crustacean (Decapod) Composition                                  | X      | X | X | \$275                  | M                           |   |   |   |   |   |   |   |   |             |
| 80 |                           | Monitoring                        | Long-Term Monitoring -Acute and Chronic Toxicity of Residual Hydrocarbons to Littleneck Clams | X      | X | X | \$50                   | M                           |   |   |   |   |   |   |   |   |             |
| 81 |                           | Monitoring                        | Monitoring for Recruitment of Littleneck Clams  | X      | X | X | \$186                  | M                           |   |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
|     |                           |                                       |  | S      | E | O |                        |                             | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 |             |
| 82  | Intertidal                | Monitoring                            | Monitoring Sites - Collector Beaches and Lagoons   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |             |
| 83  |                           | Monitoring                            | Natural Recovery of Oiled and Treated Shorelines and Monitoring                            | X      | X | X | \$600                  | M                           |   |   |   |   |   |   |   |   |             |
| 84  |                           | Monitoring                            | Quantification of Intertidal Algal Recovery Using Multispectral Digital Remote Sensing     | X      | X | X | \$195                  | M                           |   |   |   |   |   |   |   |   |             |
| 85  |                           | Monitoring                            | Recovery Monitoring of Intertidal Oiled Mussel Beds  | X      | X | X | \$500                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 86  |                           | Monitoring                            | Herring Bay Experimental and Monitoring Studies  | X      |   |   | \$495                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 87  |                           | Option Not Identified                 | Bivalve Shellfish Rehabilitation Project   | X      | X | X | \$860                  | M                           |   |   |   |   |   |   |   |   |             |
| 88  |                           | Option Not Identified                 | Clam Enhancement   | X      | X | X | \$120                  | M                           |   |   |   |   |   |   |   |   |             |
| 89  |                           | Option Not Identified                 | Replacement of Oiled Mussels with Commercially Produced Mussels                            | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |             |
| 90  |                           | Option Not Identified                 | Restoration of Mussel Beds   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |             |
| 91  |                           | Option Not Identified                 | Characterization of Near-Shore Bottom Habitat  | X      | X | X | \$237                  | M                           |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 92  | Killer Whale              | Monitoring                            | Photo-Identification Studies of PWS Killer Whales  | X      |   |   | \$120                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 93  |                           | Monitoring                            | Recovery Monitoring  | X      |   |   | \$125                  | M                           |   |   |   |   |   |   |   |   |             |
| 94  |                           | Monitoring                            | Use of Satellite Transmitters to Investigate Killer Whale Ecology in PWS                   | X      |   |   | \$180                  | M                           |   |   |   |   |   |   |   |   |             |
| 95  |                           | Reduce Fishery Interactions           | Change Black Cod Fishery Gear  | X      |   |   |                        | M                           |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 96  | Marbled Murrelet          | Habitat Protection                    | Identification of Nesting Habitat Criteria and Reproductive Success for Marbled Murrelet   | X      | X | X | \$240                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 97  |                           | Habitat Protection                    | Survey to Identify Upland Use by Murrelets   | X      | X | X | \$180                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 98  |                           | Habitat Protection                    | Assessment of Marbled Murrelet Foraging Habitat Requirements During Breeding Season        | X      | X | X | \$250                  | M                           |   |   |   |   |   |   |   |   |             |
| 99  |                           | Habitat Protection                    | Marbled Murrelet Nesting and Feeding Site Characterization and Assessment                  | X      | X | X | \$509                  | M                           |   |   |   |   |   |   |   |   |             |
| 100 |                           | Minimize Incidental Take              |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 101 |                           | Recovery Monitoring                   | Determine Status of Marbled Murrelet Populations in Kenai Fjords and Katmai National Parks |        | X | X | \$200                  | M                           |   |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
|     |                           |                                       |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 |             |
| 102 | Marbled Murrelet          | Restoration Monitoring                | Survey to Monitor Recovery of Marbled Murrelets   | X           | X           | X           | \$250                  | M                           |        |        |        |        |        |        |        |        |             |
|     |                           |                                       |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
|     |                           |                                       |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 103 | Multiple Resources        | Habitat Protection                    | Habitat Modelling   | X           | X           | X           | \$150                  | M                           |        |        |        |        |        |        |        |        |             |
| 104 |                           | Habitat Protection                    | Riparian Habitat Assessment   | X           | X           | X           | \$110                  | M                           |        |        |        |        |        |        |        |        |             |
| 105 |                           | Habitat Protection                    | Stream Channel Capability Modeling  | X           | X           | X           | \$110                  | M                           |        |        |        |        |        |        |        |        |             |
| 106 |                           | Habitat Protection                    | Stream Habitat Assessment   | X           | X           | X           | \$361                  | 93 - M                      |        |        |        |        |        |        |        |        |             |
| 107 |                           | Habitat Protection                    | Valdez Hazardous Waste Collection   | X           |             |             | \$200                  | 1                           |        |        |        |        |        |        |        |        |             |
| 108 |                           | Habitat Protection                    | Vegetation and Stream Classification and Mapping  | X           | X           | X           | \$276                  | 93 - M                      |        |        |        |        |        |        |        |        |             |
| 109 |                           | Habitat Protection                    | Wetland Habitat Classification, Mapping and Assessment                                  | X           | X           | X           | \$100                  | M                           |        |        |        |        |        |        |        |        |             |
| 110 |                           | Habitat Protection                    | Characterization and Identification of Habitat Important to Upland Species              | X           | X           | X           | \$750                  | M                           |        |        |        |        |        |        |        |        |             |
| 111 |                           | Habitat Protection and Acquisition    | Inholdings in Alaska Maritime National Wildlife Refuge                                  |             | X           | X           | \$111                  | 1                           |        |        |        |        |        |        |        |        |             |
| 112 |                           | Habitat Protection and Acquisition    | Inholdings in Alaska Peninsula National Wildlife Refuge                                 |             |             | X           |                        | 1                           |        |        |        |        |        |        |        |        |             |
| 113 |                           | Habitat Protection and Acquisition    | Inholdings in Becharof National Wildlife Refuge   |             |             | X           |                        | 1                           |        |        |        |        |        |        |        |        |             |
| 114 |                           | Habitat Protection and Acquisition    | Valdez Duck Flats   | X           |             |             |                        | 1                           |        |        |        |        |        |        |        |        |             |
| 115 |                           | Habitat Protection and Acquisition    | Inholdings in Kenai Fjords National Wildlife Refuge                                     |             | X           |             | \$20                   | 1                           |        |        |        |        |        |        |        |        |             |
| 116 |                           | Habitat Protection and Acquisition    | Inholdings in Aniakchak National Monument and Preserve                                  |             |             | X           |                        | 1                           |        |        |        |        |        |        |        |        |             |
| 117 |                           | Habitat Protection and Acquisition    | Kitoi Bay Hatchery Watershed Habitat Acquisition  |             |             | X           | \$250                  | 1                           |        |        |        |        |        |        |        |        |             |
| 118 |                           | Habitat Protection and Acquisition    | Acquire Olsen Bay Watershed   | X           |             |             | \$3,500                | 1                           |        |        |        |        |        |        |        |        |             |
| 119 |                           | Habitat Protection and Acquisition    | Acquisition of Inholdings in Shuyak Island State Park                                   |             |             | X           | \$200                  | 1                           |        |        |        |        |        |        |        |        |             |
| 120 |                           | Habitat Protection and Acquisition    | Acquisition of Koniag Corporation Inholdings within the Kodiak National Wildlife Refuge |             |             | X           | \$77,000               | 1                           |        |        |        |        |        |        |        |        |             |
| 121 |                           | Habitat Protection and Acquisition    | Conservation Easement-Aialik Bay  |             | X           |             | \$90                   | 1                           |        |        |        |        |        |        |        |        |             |
| 122 |                           | Habitat Protection and Acquisition    | Conservation Easement-Chugach Bay   |             | X           |             | \$60                   | 1                           |        |        |        |        |        |        |        |        |             |
| 123 |                           | Habitat Protection and Acquisition    | Conservation Easement-Dogfish Bay   |             | X           |             | \$400                  | 1                           |        |        |        |        |        |        |        |        |             |
| 124 |                           | Habitat Protection and Acquisition    | Conservation Easement-Port Chatham  |             | X           |             | \$80                   | 1                           |        |        |        |        |        |        |        |        |             |
| 125 |                           | Habitat Protection and Acquisition    | Conservation Easement-Rock Bay  |             | X           |             | \$740                  | 1                           |        |        |        |        |        |        |        |        |             |
| 126 |                           | Habitat Protection and Acquisition    | Habitat Acquisition   | X           | X           | X           | \$25,000               | 93 - 1                      |        |        |        |        |        |        |        |        |             |
| 127 |                           | Habitat Protection and Acquisition    | Habitat Acquisition, Afognak  |             |             | X           | \$112,500              | 1                           |        |        |        |        |        |        |        |        |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

Page 7

|     | RESOURCE<br>OR<br>SERVICE | RESTORATION OPTION<br>OR<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |     |     | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 2  | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|--------|-----|-----|------------------------|-----------------------------|----|----|----|----|----|----|----|----|-------------|
|     |                           |                                       |   | PWS    | KEN | KOD |                        |                             | 94 | 95 | 96 | 97 | 98 | 99 | 00 | 01 |             |
| 128 | Multiple Resources        | Habitat Protection and Acquisition    | Habitat Acquisition, Kodiak Island ✓  |        |     | X   | \$20,000               | 1                           |    |    |    |    |    |    |    |    |             |
| 129 |                           | Habitat Protection and Acquisition    | Habitat Acquisition, North Afognak Island ✓   |        |     | X   | \$4,000                | 1                           |    |    |    |    |    |    |    |    |             |
| 130 |                           | Habitat Protection and Acquisition    | Kodiak Bear Refuge Stream Mouth Inholdings Acquisition ✓                                    |        |     | X   | \$1,000                | 1                           |    |    |    |    |    |    |    |    |             |
| 131 |                           | Increase Natural Food Supply          |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 132 |                           | Intensify Management                  | Develop Management Strategy for Enhancing Recovery Rate of Bird and Sea Otter Populations   | X      | X   | X   | \$50                   | M                           |    |    |    |    |    |    |    |    |             |
| 133 |                           | Intensify Management                  | Genetic Risk Assessment of Injured Salmonids  | X      | X   | X   | \$408                  | M                           |    |    |    |    |    |    |    |    |             |
| 134 |                           | Intensify Management                  | Restoration and Mitigation of Essential Wetland Habitats for PWS Fish and Wildlife          | X      |     |     | \$200                  | M                           |    |    |    |    |    |    |    |    |             |
| 135 |                           | Intensify Management                  | Restoration of Second Growth Habitat for Wildlife in PWS                                    | X      |     |     | \$40                   | M                           |    |    |    |    |    |    |    |    |             |
| 136 |                           | Intensify Management                  | Seabird Colony Restoration  | X      | X   | X   | \$250                  | M                           |    |    |    |    |    |    |    |    |             |
| 137 |                           | Intensify Management                  | Stock Identification of Chum, Sockeye and Chinook Salmon in PWS                             | X      |     |     | \$250                  | M                           |    |    |    |    |    |    |    |    |             |
| 138 |                           | Monitoring                            | Shoreline-Worm Life Monitoring  | X      | X   | X   | \$388                  | M                           |    |    |    |    |    |    |    |    |             |
| 139 |                           | Option Not Identified                 | Instream Habitat and Stock Restoration Techniques for Anadromous Fish                       | X      | X   | X   | \$416                  | M                           |    |    |    |    |    |    |    |    |             |
| 140 |                           | Option Not Identified                 | Alaska Land and Wildlife Conservation Fund  | X      | X   | X   | one billion            | M                           |    |    |    |    |    |    |    |    |             |
| 141 |                           | Option Not Identified                 | Field Study of Bioremediation Enhancement Treatment Methods                                 | X      | X   | X   | \$280                  | M                           |    |    |    |    |    |    |    |    |             |
| 142 |                           | Option Not Identified                 | Oil Spill Injured Resources Literature Research and Review                                  | X      | X   | X   | \$7                    | M                           |    |    |    |    |    |    |    |    |             |
| 143 |                           | Option Not Identified                 | Analyze Natural Resource Damage Assessment Samples Left Un-Analyzed                         | X      | X   | X   | \$650                  | 1                           |    |    |    |    |    |    |    |    |             |
| 144 |                           | Option Not Identified                 | Identification of Seabird Feeding Areas from Remotely Sensed Data and Impact on Restoration | X      | X   | X   | \$48                   | M                           |    |    |    |    |    |    |    |    |             |
| 145 |                           | Option Not Identified                 | Shoreline Assessment  | X      | X   | X   | \$250                  | 93 - M                      |    |    |    |    |    |    |    |    |             |
| 146 |                           | Option Not Identified                 | Uganik River Fish Counting Weir - Brown Bear and Other Wildlife Food Study                  |        |     | X   | \$28                   | M                           |    |    |    |    |    |    |    |    |             |
| 147 |                           | Recovery Monitoring                   | Comprehensive Monitoring Program, Plan and Administer                                       | X      | X   | X   | \$500                  | 93 - M                      |    |    |    |    |    |    |    |    |             |
| 148 |                           | Recovery Monitoring                   | Cook Inlet Comprehensive Monitoring Program   |        | X   |     | \$800                  | M                           |    |    |    |    |    |    |    |    |             |
| 149 |                           | Recovery Monitoring                   | Full Funding for Oil Spill Recovery Institute   | X      | X   | X   | \$2,300                | 1                           |    |    |    |    |    |    |    |    |             |
| 150 |                           | Recovery Monitoring                   | Injured Resource Food Supply  | X      | X   | X   | \$850                  | M                           |    |    |    |    |    |    |    |    |             |
| 151 |                           | Recovery Monitoring                   | Inventory, Monitor, Protect Permanent Study Sites   | X      | X   | X   | \$500                  | M                           |    |    |    |    |    |    |    |    |             |
| 152 |                           | Recovery Monitoring                   | Long-Term Monitoring of Marine Environment of Resurrection Bay                              |        | X   |     | \$600                  | M                           |    |    |    |    |    |    |    |    |             |
| 153 |                           | Recovery Monitoring                   | Migratory Shore Birds Staging in Rocky Intertidal Habitats of PWS                           | X      |     |     | \$80                   | M                           |    |    |    |    |    |    |    |    |             |
| 154 |                           | Recovery Monitoring                   | Migratory Waterfowl and Shorebird Monitoring  | X      | X   | X   | \$150                  | M                           |    |    |    |    |    |    |    |    |             |
| 155 |                           | Recovery Monitoring                   | Monitor Population Status of Seabird Nesting Colonies in the Spill Zone                     | X      | X   | X   | \$100                  | M                           |    |    |    |    |    |    |    |    |             |
| 156 |                           | Recovery Monitoring                   | Restoration Recovery Monitoring of Stream-Rearing Anadromous Salmonids                      | X      | X   | X   | \$200                  | M                           |    |    |    |    |    |    |    |    |             |
| 157 |                           | Recovery Monitoring                   | Survey to Determine Abundance Distribution, Habitat, and Food Habits of Staging Shore Birds | X      |     |     | \$35                   | M                           |    |    |    |    |    |    |    |    |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION  | POTENTIAL PROJECTS   | REGION |     |     | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 2  | Do Not Fund |
|-----|---------------------------|--|--|--------|-----|-----|------------------------|-----------------------------|----|----|----|----|----|----|----|----|-------------|
|     |                           |  |  | PWS    | KEN | KOD |                        |                             | 94 | 95 | 96 | 97 | 98 | 99 | 00 | 01 |             |
| 158 | Multiple Resources        | Recovery Monitoring                    | Survey to Determine Distribution, Abundance, and Food Habits of Staging Migratory Waterfowl  | X      |     |     | \$91                   | M                           |    |    |    |    |    |    |    |    |             |
| 159 |                           | Recovery Monitoring                    | Surveys to Monitor Marine Bird and Sea-Otter Populations                                     | X      | X   | X   | \$275                  | 93 - M                      |    |    |    |    |    |    |    |    |             |
| 160 |                           | Reduce Disturbance by Field Presence   |  |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 161 |                           | Reduce Disturbance Through Public Info | Public Information and Education   | X      | X   | X   | \$316                  | M                           |    |    |    |    |    |    |    |    |             |
| 162 |                           | Reduce Disturbance Through Public Info | Publish and Distribute Brochures on Injured Species  | X      | X   | X   | \$50                   | M                           |    |    |    |    |    |    |    |    |             |
| 163 |                           | Restoration Monitoring                 | Abundance and Distribution of Forage Fish and Their Influence on Recovery of Injured Species | X      | X   | X   | \$500                  | M                           |    |    |    |    |    |    |    |    |             |
| 164 |                           | Restoration Monitoring                 | Ecosystem Study  | X      | X   | X   | \$6,000                | M                           |    |    |    |    |    |    |    |    |             |
|     |                           |  |  |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|     |                           |  |  |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 165 | Pacific Herring           | Intensify Management                   | Genetic Stock Identification for Herring in PWS  | X      |     |     | \$205                  | M                           |    |    |    |    |    |    |    |    |             |
| 166 |                           | Intensify Management                   | Herring Spawn Deposition, Egg Loss, and Reproductive Impairment                              | X      |     |     | \$400                  | M                           |    |    |    |    |    |    |    |    |             |
| 167 |                           | Intensify Management                   | PWS Herring Tagging Feasibility Study  | X      |     |     | \$112                  | M                           |    |    |    |    |    |    |    |    |             |
| 168 |                           | Monitoring                             | Herring Embryo Viability Evaluation - Natural and Catastrophic Effects                       | X      |     |     | \$189                  | M                           |    |    |    |    |    |    |    |    |             |
| 169 |                           | Monitoring                             | Larval Herring Age and Growth in PWS Using Otoliths  | X      |     |     | \$60                   | M                           |    |    |    |    |    |    |    |    |             |
| 170 |                           | Option Not Identified                  | Enhancement of Pacific Herring   | X      | X   | X   | \$120                  | M                           |    |    |    |    |    |    |    |    |             |
| 171 |                           | Restoration Monitoring                 |  |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|     |                           |  |  |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|     |                           |  |  |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 172 | Pigeon Guillemot          | Monitoring                             | Pigeon Guillemot Colony Survey   | X      | X   | X   | \$40                   | 93 - M                      |    |    |    |    |    |    |    |    |             |
| 173 |                           | Monitoring                             | Pigeon Guillemot Recovery Enhancement and Monitoring   | X      | X   | X   | \$180                  | M                           |    |    |    |    |    |    |    |    |             |
| 174 |                           | Restoration Monitoring                 |  |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 175 |                           | Temporary Predator Control             |  |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|     |                           |  |  |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|     |                           |  |  |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

Page 9

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION    | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|--|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |  |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 176 | Pink Salmon               | Fish Passes and Access                   | Feasibility of Fish Passes as Oil Spill Restoration   | X      | X | X | \$25                   | M                           |   |   |   |   |   |   |   |   |             |
| 177 |                           | Fish Passes and Access                   | Horse Marine Creek Pink Salmon Restoration  |        |   | X | \$28                   | 1                           |   |   |   |   |   |   |   |   |             |
| 178 |                           | Fish Passes and Access                   | Otter Creek Fish Pass   | X      |   |   | \$130                  | 1                           |   |   |   |   |   |   |   |   |             |
| 179 |                           | Fish Passes and Access                   | Pink Creek Pink Salmon Restoration  |        |   | X | \$11                   | 1                           |   |   |   |   |   |   |   |   |             |
| 180 |                           | Fish Passes and Access                   | Sockeye Creek Fish Pass   | X      |   |   | \$60                   | 1                           |   |   |   |   |   |   |   |   |             |
| 181 |                           | Fish Passes and Access                   | Waterfall Creek Pink Salmon Restoration-Fish Improvement                                      |        |   | X | \$55                   | 1                           |   |   |   |   |   |   |   |   |             |
| 182 |                           | Improve Survival Rates                   | Fry Rearing to Improve Survival and Restore Wild Pink and Chum Salmon Stocks                  | X      | X | X | \$727                  | M                           |   |   |   |   |   |   |   |   |             |
| 183 |                           | Intensify Management                     | Adult Tagging to Determine Distribution, Migratory Timing and Rate of Movement of Pink Salmon | X      |   |   | \$495                  | M                           |   |   |   |   |   |   |   |   |             |
| 184 |                           | Intensify Management                     | Coded Wire Tag Recoveries from Commercial Catches in PWS Salmon Fisheries                     | X      |   |   | \$855                  | M                           |   |   |   |   |   |   |   |   |             |
| 185 |                           | Intensify Management                     | Coded Wire Tagging of Wild Stock Pink Salmon for Stock Identification                         | X      |   |   | \$500                  | M                           |   |   |   |   |   |   |   |   |             |
| 186 |                           | Intensify Management                     | Inventory and Effect of Straying Hatchery Pink Salmon on Wild Pink Salmon Population          | X      |   |   | \$253                  | M                           |   |   |   |   |   |   |   |   |             |
| 187 |                           | Intensify Management                     | Otolith Marking - Inseason Stock Separation Tool to Reduce Wild Stock Salmon Exploitation     | X      | X | X | \$152                  | M                           |   |   |   |   |   |   |   |   |             |
| 188 |                           | Intensify Management                     | Pink Salmon Escapement Enumeration  | X      | X | X | \$705                  | M                           |   |   |   |   |   |   |   |   |             |
| 189 |                           | Intensify Management                     | PWS Salmon Stock Genetics   | X      |   |   | \$150                  | M                           |   |   |   |   |   |   |   |   |             |
| 190 |                           | Intensify Management                     | Quality Assurance for PWS Coded Wire Tagging and Fish Production Records                      | X      |   |   | \$66                   | M                           |   |   |   |   |   |   |   |   |             |
| 191 |                           | Monitoring                               | Investigating and Monitoring Oil Related Egg and Alevin Mortalities                           | X      | X |   | \$686                  | M                           |   |   |   |   |   |   |   |   |             |
| 192 |                           | Monitoring                               | Restoration Monitoring and Preservation of Wild Populations of Pink Salmon                    | X      | X |   | \$899                  | M                           |   |   |   |   |   |   |   |   |             |
| 193 |                           | Monitoring                               | Injury to Salmon Eggs and Pre-emergent Fry in PWS, Laboratory Verification                    | X      |   |   | \$141                  | M                           |   |   |   |   |   |   |   |   |             |
| 194 |                           | Monitoring                               | Pink Salmon Egg to Pre-Emergent Fry Survival in PWS   | X      |   |   | \$385                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 195 |                           | Monitoring                               | Monitoring Early Marine Growth of Juvenile Salmon in Prince William Sound                     | X      |   |   | \$50                   | M                           |   |   |   |   |   |   |   |   |             |
| 196 |                           | Option Not Identified                    | Pink Salmon Stream Enhancement in Prince William Sound, Lower Cook Inlet and Kodiak           | X      | X | X | \$300                  | M                           |   |   |   |   |   |   |   |   |             |
| 197 | Recreation                | Establish Marine Environmental Institute | Build Research and Monitoring Facilities and Program/Cook Inlet, Kodiak                       |        | X | X | \$1,250                | M                           |   |   |   |   |   |   |   |   |             |
| 198 |                           | Establish Marine Environmental Institute | Oiled Wildlife Rehabilitation Center  | X      | X | X | \$6,000                | 1                           |   |   |   |   |   |   |   |   |             |
| 199 |                           | Establish Marine Environmental Institute | Seward Sea Life Center <i>NO</i>  | X      | X | X | \$40,000               | 1                           |   |   |   |   |   |   |   |   |             |
| 200 |                           | Habitat Protection and Acquisition       | 17(b) Easement Identification-Public Access   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |             |
| 201 |                           | Habitat Protection and Acquisition       | Acquisition of Important Recreation Lands   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

*don't use \$  
exon 8  
any more -  
seek private  
funds to  
complete  
this worthwhile  
project*

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

# 1994 POTENTIAL PROJECT TITLES

Page 10

|     | RESOURCE<br>OR<br>SERVICE | RESTORATION OPTION<br>OR<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 202 | Recreation                | Habitat Protection and Acquisition    | Acquisition of Recreational Sites on Kodiak Road System                              |        |   | X | \$500                  | 1                           |   |   |   |   |   |   |   |   |             |
| 203 |                           | Habitat Protection and Acquisition    | Land Exchange Shuyak for Kodiak Land on Road System                                  |        |   | X | \$70                   | 1                           |   |   |   |   |   |   |   |   |             |
| 204 |                           | Habitat Protection and Acquisition    | Shelter Cove, Cordova Restoration Project  | X      |   |   | \$50                   | M                           |   |   |   |   |   |   |   |   |             |
| 205 |                           | Monitoring                            | Assessment of Economic Injuries to Wilderness-Based Tourism                          | X      | X | X | \$100                  | M                           |   |   |   |   |   |   |   |   |             |
| 206 |                           | Monitoring                            | Post-Oil Spill Recreation-Based User Survey for PWS                                  | X      |   |   | \$58                   | M                           |   |   |   |   |   |   |   |   |             |
| 207 |                           | Monitoring                            | Recreation Field Management and Monitoring   | X      | X | X | \$700                  | M                           |   |   |   |   |   |   |   |   |             |
| 208 |                           | New Backcountry Recreation Facilities | Enhanced Trail Opportunities, Including Columbia and Blackstone Glacier Trails       | X      |   |   | \$150                  | 1                           |   |   |   |   |   |   |   |   |             |
| 209 |                           | New Backcountry Recreation Facilities | Green Island Cabin Replacement   | X      |   |   | \$20                   | 1                           |   |   |   |   |   |   |   |   |             |
| 210 |                           | New Backcountry Recreation Facilities | Improve Marine Parks   | X      | X | X | \$100                  | M                           |   |   |   |   |   |   |   |   |             |
| 211 |                           | New Backcountry Recreation Facilities | Low Impact Recreation Development Nellie Juan, College Fiord Wilderness Study Area   | X      |   |   | \$100                  | 1                           |   |   |   |   |   |   |   |   |             |
| 212 |                           | New Backcountry Recreation Facilities | Prince William Sound Campground  | X      |   |   | \$70                   | 1                           |   |   |   |   |   |   |   |   |             |
| 213 |                           | New Backcountry Recreation Facilities | Public Use Cabins in State Marine Parks  | X      | X | X | \$150                  | M                           |   |   |   |   |   |   |   |   |             |
| 214 |                           | New Backcountry Recreation Facilities | PWS Kayak Trail  | X      |   |   | \$100                  | 1                           |   |   |   |   |   |   |   |   |             |
| 215 |                           | New Backcountry Recreation Facilities | PWS Recreation Facilities  | X      |   |   | \$250                  | 1                           |   |   |   |   |   |   |   |   |             |
| 216 |                           | Option Not Identified                 | Development of Gulf of Alaska Recreation Plan  |        | X | X | \$140                  | 1                           |   |   |   |   |   |   |   |   |             |
| 217 |                           | Option Not Identified                 | Implement Prince William Sound Area Recreation Plan                                  | X      |   |   | \$400                  | M                           |   |   |   |   |   |   |   |   |             |
| 218 |                           | Option Not Identified                 | Sustainable Tourism in PWS   | X      |   |   | \$240                  | M                           |   |   |   |   |   |   |   |   |             |
| 219 |                           | Option Not Identified                 | Watchable Wildlife   | X      | X | X | \$65                   | M                           |   |   |   |   |   |   |   |   |             |
| 220 |                           | Option Not Identified                 | Increased Access PWS   | X      |   |   | \$100                  | M                           |   |   |   |   |   |   |   |   |             |
| 221 |                           | Plan Commercial Recreation Facilities | Recreation Development   | X      | X | X | \$200                  | M                           |   |   |   |   |   |   |   |   |             |
| 222 |                           | Restoration Monitoring                |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 223 |                           | Visitor Center                        | Bird and Mammal Specimens, University of Alaska Museum                               | X      | X | X | \$77                   | M                           |   |   |   |   |   |   |   |   |             |
| 224 |                           | Visitor Center                        | Center for PWS Oil Spill and Natural Resource Education                              | X      |   |   |                        | 1                           |   |   |   |   |   |   |   |   |             |
| 225 |                           | Visitor Center                        | Coastal Habitat Specimens, University of Alaska Museum                               | X      | X | X | \$310                  | M                           |   |   |   |   |   |   |   |   |             |
| 226 |                           | Visitor Center                        | Cordova Environmental Education Center   | X      |   |   | \$15                   | 1                           |   |   |   |   |   |   |   |   |             |
| 227 |                           | Visitor Center                        | Cordova Mini-Imaginarium   | X      |   |   | \$63                   | 1                           |   |   |   |   |   |   |   |   |             |
| 228 |                           | Visitor Center                        | Develop Video Library of Intertidal Habitat and Biota to Assess Impacts              | X      | X | X | \$155                  | M                           |   |   |   |   |   |   |   |   |             |
| 229 |                           | Visitor Center                        | Environmental Education Center in PWS  | X      |   |   | \$90                   | 1                           |   |   |   |   |   |   |   |   |             |
| 230 |                           | Visitor Center                        | Environmental Learning Resource Center   | X      | X | X | \$90                   | 1                           |   |   |   |   |   |   |   |   |             |
| 231 |                           | Visitor Center                        | Establish Natural Resource Library and Computer Support Technical Service in Cordova | X      |   |   | \$450                  | 1                           |   |   |   |   |   |   |   |   |             |

*no more  
ELOS \$ for  
Rtts  
Whittier -  
seek other  
funding.  
too many  
tourists in PWS  
will ruin the  
fishing*

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |     |     | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|--------|-----|-----|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |   | PWS    | KEN | KOD |                        |                             | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 |             |
| 232 | Recreation                | Visitor Center                        | Information Center  | X      | X   | X   | \$600                  | 1                           |   |   |   |   |   |   |   |   |             |
| 233 |                           | Visitor Center                        | Interpretation of PWS   | X      |     |     | \$10                   | M                           |   |   |   |   |   |   |   |   |             |
| 234 |                           | Visitor Center                        | Maritime Wing Valdez Museum   | X      |     |     | \$150                  | 1                           |   |   |   |   |   |   |   |   |             |
| 235 |                           | Visitor Center                        | Multi-agency Library on PWS and Copper River Delta  | X      |     |     | \$150                  | 1                           |   |   |   |   |   |   |   |   |             |
| 236 |                           | Visitor Center                        | Valdez Visitor Center   | X      |     |     | \$850                  | 1                           |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |   |        |     |     |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |   |        |     |     |                        |                             |   |   |   |   |   |   |   |   |             |
| 237 | River Otter               | Monitoring                            | River Otter Recovery Monitoring   | X      |     |     | \$180                  | M                           |   |   |   |   |   |   |   |   |             |
| 238 |                           | Monitoring                            | Synthesis of Information on Ecology and Injury to River Otters in PWS                     | X      |     |     | \$40                   | M                           |   |   |   |   |   |   |   |   |             |
| 239 |                           | Restoration Monitoring                |   |        |     |     |                        |                             |   |   |   |   |   |   |   |   |             |
| 240 |                           | Sport/trap Harvest Guidelines         | Develop Harvest Guidelines to Aid Restoration of Injured Terrestrial Mammals and Seaducks | X      | X   | X   | \$99                   | 1                           |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |   |        |     |     |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |   |        |     |     |                        |                             |   |   |   |   |   |   |   |   |             |
| 241 | Rockfish                  | Intensify Management                  | Develop a Rockfish Management Plan  | X      | X   |     | \$175                  | M                           |   |   |   |   |   |   |   |   |             |
| 242 |                           | Monitoring                            | Monitoring Injury to Rockfish in PWS  | X      |     |     | \$117                  | M                           |   |   |   |   |   |   |   |   |             |
| 243 |                           | Monitoring                            |   |        |     |     |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |   |        |     |     |                        |                             |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |   |        |     |     |                        |                             |   |   |   |   |   |   |   |   |             |
| 244 | Sea Otter                 | Cooperative Prgm-Subsistence Users    |   |        |     |     |                        |                             |   |   |   |   |   |   |   |   |             |
| 245 |                           | Habitat Protection (Public Land)      | Habitat Utilization by Sea Otters and Designation of Protected Areas                      | X      | X   | X   | \$83                   | M                           |   |   |   |   |   |   |   |   |             |
| 246 |                           | Monitoring                            | Monitoring of Sea Otter Population Abundance, Distribution, Reproduction, and Mortality   | X      | X   | X   | \$337                  | M                           |   |   |   |   |   |   |   |   |             |
| 247 |                           | Monitoring                            | Radio-Telemetry Project to Monitor Recovery of Sea Otters                                 | X      | X   | X   | \$450                  | M                           |   |   |   |   |   |   |   |   |             |
| 248 |                           | Monitoring                            | Sea Otter Population Dynamics   | X      | X   | X   | \$291                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 249 |                           | Restoration Monitoring                |   |        |     |     |                        |                             |   |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

Page 12

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 250 | Sea Otter                 | Study: Eliminate Oil from Mussel Beds |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 251 | Sockeye Salmon            | Fish Passes and Access                | Solf Lake Fish Pass  | X      |   |   | \$120                  | M                           |   |   |   |   |   |   |   |   |             |
| 252 |                           | Intensify Management                  | Develop and Deploy In-River Hydroacoustic Counters for Sockeye Salmon in the Kenai River | X      |   |   | \$333                  | M                           |   |   |   |   |   |   |   |   |             |
| 253 |                           | Intensify Management                  | Genetic Monitoring of Kodiak Island Sockeye Salmon                                       |        | X |   | \$275                  | M                           |   |   |   |   |   |   |   |   |             |
| 254 |                           | Intensify Management                  | Genetic Stock Identification of Kenai River Sockeye                                      | X      |   |   | \$500                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 255 |                           | Intensify Management                  | Kenai River Sockeye Salmon Restoration   | X      |   |   | \$1,000                | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 256 |                           | Intensify Management                  | Lower Cook Inlet Sockeye Salmon Restoration and Enhancement ✓                            | X      |   |   | \$143                  | M                           |   |   |   |   |   |   |   |   |             |
| 257 |                           | Monitoring                            | Ayakulik River Sockeye Salmon Escapement Evaluation                                      |        | X |   | \$6                    | M                           |   |   |   |   |   |   |   |   |             |
| 258 |                           | Monitoring                            | Sockeye Salmon Overescapement  | X      | X |   | \$641                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 259 |                           | Option Not Identified                 | Restoration of the Coghill Lake Sockeye Salmon Stock                                     | X      |   |   | \$165                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 260 |                           | Option Not Identified                 | Red Lake Salmon Restoration  |        | X |   | \$72                   | M                           |   |   |   |   |   |   |   |   |             |
| 261 | Sport Fishing             | Recovery Monitoring                   |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 262 |                           | Replace Harvest Opportunities         | Fort Richardson Hatchery Improvement   | X      |   |   | \$4,200                | 1                           |   |   |   |   |   |   |   |   |             |
| 263 |                           | Restoration Monitoring                |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 264 | Subsistence               | Access to Traditional Foods           |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 265 |                           | Bivalve Shellfish Hatchery            |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 266 |                           | Option Not Identified                 | Chenega Bay Subsistence Restoration Project (Remove Oil)                                 | X      |   |   | \$200                  | M                           |   |   |   |   |   |   |   |   |             |
| 267 |                           | Option Not Identified                 | Mariculture Hatchery and Research Center Feasibility Study and Design                    | X      | X | X | \$300                  | 1                           |   |   |   |   |   |   |   |   |             |

*no more  
EVOs \$  
for this  
project*

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

Page 13

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 |             |
| 268 | Subsistence               | Option Not Identified                 | Mariculture Technical Center   | X      | X | X | \$2,200                | 1                           |   |   |   |   |   |   |   |   |   |             |
| 269 |                           | Option Not Identified                 | Seward Shellfish Hatchery — <i>in Seward or Auke Bay</i>                           | X      | X | X | \$1,300                | 1                           |   |   |   |   |   |   |   |   |   |             |
| 270 |                           | Recovery Monitoring                   | Survey of Impacted Native Communities-Subsistence                                  | X      | X | X | \$700                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 271 |                           | Replace Harvest Opportunities         | Chenega Bay Replacement Subsistence Resource Project                               | X      |   |   | \$50                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 272 |                           | Replace Harvest Opportunities         | Chenega Chinook and Coho Release Program   | X      |   |   | \$55                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 273 |                           | Replace Harvest Opportunities         | Port Graham Salmon Hatchery  |        | X |   | \$2,500                | 1                           |   |   |   |   |   |   |   |   |   |             |
| 274 |                           | Replace Harvest Opportunities         | Silver Lake Fish Hatchery  | X      |   |   | \$1,000                | 1                           |   |   |   |   |   |   |   |   |   |             |
| 275 |                           | Replace Harvest Opportunities         | Subsistence Harvest Replacement-Transport Subsistence Users to Unoiled Areas       | X      | X | X | \$55                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 276 |                           | Restoration Monitoring                |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |   |             |
| 277 |                           | Subsistence Mariculture Sites         | Village Mariculture Project - Oyster Farming                                       | X      | X | X | \$589                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 278 |                           | Test Subsistence Foods                | Assessment and Quality Assurance of Shellfish Resources                            | X      | X | X | \$300                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 279 |                           | Test Subsistence Foods                | Subsistence Food Safety Testing  | X      | X | X | \$308                  | 93 - M                      |   |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |   |             |
| 280 | Subtidal                  | Habitat Protection                    | Juvenile Spot Shrimp Habitat Identification  | X      | X |   | \$110                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 281 |                           | Intensify Management                  | PWS Spot Shrimp Recovery Management Plan   | X      |   |   | \$715                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 282 |                           | Monitoring                            | PWS Spot Shrimp Survey   | X      |   |   | \$90                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 283 |                           | Monitoring                            | Injury and Recovery of Deep-Benthic Macrofaunal Communities                        | X      | X | X | \$275                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 284 |                           | Monitoring                            | Natural Recovery Monitoring of Subtidal Eelgrass Communities in PWS                | X      |   |   | \$265                  | 93 - M                      |   |   |   |   |   |   |   |   |   |             |
| 285 |                           | Monitoring                            | Recovery Monitoring of Hydrocarbon-Contaminated Subtidal Marine Sediment Resources | X      | X | X | \$390                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 286 |                           | Monitoring                            | Subtidal Recovery Monitoring —   | X      | X | X | \$400                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 287 |                           | Restoration Monitoring                | Experimental Studies of Interaction Between Subtidal Epifaunal Invertebrates       | X      | X | X | \$90                   | M                           |   |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |   |             |
|     |                           |                                       |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |   |             |
| 288 | Technical Services        | Administration                        | Electronic Archiving of Exxon Valdez Records                                       | X      | X | X | \$450                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 289 |                           | Administration                        | Geographic Information System Mapping of Natural Resources in Western PWS          | X      |   |   | \$75                   | M                           |   |   |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
 Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1<br>9<br>9<br>4 | 1<br>9<br>9<br>5 | 1<br>9<br>9<br>6 | 1<br>9<br>9<br>7 | 1<br>9<br>9<br>8 | 1<br>9<br>9<br>9 | 2<br>0<br>0<br>0 | 2<br>0<br>0<br>1 | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------|
|     |                           |                                       |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 290 | Technical Services        | Administration                        | Hydrocarbon Data Analysis and Interpretation  | X           | X           | X           | \$105                  | 93 - M                      |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 291 |                           | Administration                        | Toxicological Profile of PWS  | X           |             |             | \$150                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 292 |                           | Public Information                    | CD-ROM Publication of Digital Spatial Data from Exxon Valdez Oil Spill Mapping Activities | X           | X           | X           | \$8                    | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 293 |                           | Public Information                    | Database Integration  | X           | X           | X           | \$148                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 294 |                           | Public Information                    | Develop User Friendly Synopsis of Oil Spill Information                                   | X           | X           | X           |                        | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 295 |                           | Public Information                    | Providing Public Access to Oilspill GIS Databases Using Arcview in PC Windows Environment | X           | X           | X           | \$120                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 296 |                           | Public Information                    | Public Access Repository for Oil Spill Geographic Information System (GIS)                | X           | X           | X           | \$100                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 297 |                           | Public Information                    | User-Friendly GIS and Remote-Sensing Demonstration Center for Public-5 Communities        | X           | X           | X           | \$72                   | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
|     |                           |                                       |   |             |             |             |                        |                             |                  |                  |                  |                  |                  |                  |                  |                  |             |
|     |                           |                                       |   |             |             |             |                        |                             |                  |                  |                  |                  |                  |                  |                  |                  |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

15.2.4 146W

RECEIVED  
MAY 17 1993  
0102940517  
EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL

RESOLUTION OF THE ALASKA CHAPTER OF THE WILDLIFE SOCIETY

OCT 02 1995

Meeting in Juneau, AK 4/19/93

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL  
A RESOLUTION URGING THE EXXON VALDEZ OIL SPILL COUNCIL TO  
WORK WITH THE UNIVERSITY OF ALASKA ON A PLAN TO ENDOW UP TO  
20 ACADEMIC CHAIRS IN BIOLOGY TO FULFILL THE LONG TERM GOALS  
OF THE SETTLEMENT.

WHEREAS, the biological resources of the northern Gulf of Alaska  
were terribly devastated by the Exxon Valdez oil spill, and

WHEREAS, baseline scientific data was completely inadequate to  
positively assess the damage and is completely inadequate to realistically  
restore the environment, and

WHEREAS, future shipwrecks and oil spills in the area are a realistic  
probability, and

WHEREAS, the accumulation of scientific knowledge and advancement  
of scientific technology make enormous advances each year and will  
continue to do so on into the centuries ahead, and

WHEREAS, endowed academic chairs will provide continuing top  
quality scientific investigation, top quality scientific publications, top quality  
training for the scientists that will be needed by the agencies and companies  
responsible for resource management and development, in perpetuity, and

WHEREAS, the Exxon Valdez Oil Spill Trustee Council is charged  
under the legal settlement with the Exxon Company with restoring  
rehabilitating, replacing, enhancing or acquiring equivalent resources and  
services in the oil spill region and presently lacks most of the scientific  
resources to accomplish these things, and

WHEREAS, with the inevitable scientific advancement in the decades  
or centuries ahead eventually enhancement of many of the biological  
resources will be possible, and

WHEREAS, concentrating a major center for advancement of biological  
science at the University of Alaska is in the best interests of all Alaskans  
injured by the Exxon Oil Spill, and

WHEREAS, the University of Alaska already has an appropriate  
Foundation for managing endowed chairs;

**NOW THEREFORE BE IT RESOLVED BY THE MEMBERSHIP OF THE  
ALASKA CHAPTER OF THE WILDLIFE SOCIETY:**

1. To urge the Exxon Valdez Oil Spill Trustee Council to instruct their Restoration Team to contact and cooperate with the University of Alaska in developing a plan for establishing up to 20 endowed chairs in biology that will fulfill the intent of the settlement.

2. That such a plan be included in the Restoration Plan and EIS being prepared this year by the Restoration Team.

Adopted this 20th day of April 1993.

---

Kim Titus, President

# THE WILDLIFE SOCIETY

## ALASKA CHAPTER

P.O. Box 20604  
Juneau, AK 99802

1 May 1993

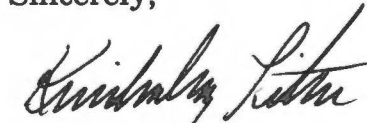
Dr. David R. Gibbons  
Exxon Valdez Oil Spill Trustee Council  
645 G. Street  
Anchorage, AK 99501

Dear Dr. Gibbons:

The Wildlife Society, founded in 1937, is a nonprofit scientific and education organization of professionals active in wildlife research, management, education and administration. The Society publishes two scientific journals and a monograph series. The Alaska Chapter of The Wildlife Society has about 330 members. We recently held our annual meeting in Juneau and adopted a resolution urging the Oil Spill Trustee Council to consider the endowment of chaired positions in the biological sciences with the University of Alaska system.

Our resolution does not specify the types of positions that might best be suited to meet the restoration goals. Myself and other members the Alaska Chapter would gladly provide more detailed suggestions to the Oil Spill Trustee Council about the types of expertise that could best provide the types of biological information and education that will be needed into the future. Endowed university chairs would provide heightened research and education within the state of Alaska that will benefit all Alaskans.

Sincerely,



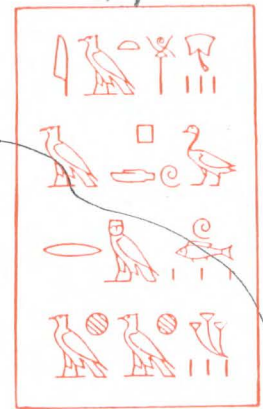
Kimberly Titus, Ph.D.  
President

0061940514  
**RECEIVED**  
MAY 14 1993

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL

**RECEIVED**  
OCT 02 1995

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL  
ADMINISTRATIVE RECORD



## RESOLUTION OF THE ALASKA CHAPTER OF THE WILDLIFE SOCIETY

A RESOLUTION URGING THE EXXON VALDEZ OIL SPILL COUNCIL TO WORK WITH THE UNIVERSITY OF ALASKA ON A PLAN TO ENDOW UP TO 20 ACADEMIC CHAIRS IN THE BIOLOGICAL SCIENCES TO FULFILL THE LONG-TERM GOALS OF THE SETTLEMENT.

WHEREAS, the biological resources of the northern Gulf of Alaska were severely impacted by the Exxon Valdez oil spill,

WHEREAS, baseline scientific data were inadequate to positively assess the damage and are inadequate to realistically restore the environment, and

WHEREAS, future shipwrecks and oil spills in the area are a realistic probability, and

WHEREAS, the accumulation of scientific knowledge and advancement of scientific technology make enormous advances each year and will continue to do so into the centuries ahead, and

WHEREAS, endowed academic chairs will provide continuing quality scientific investigation, scientific publications, and excellence in training that will be needed by the agencies and companies responsible for resource management and development in perpetuity, and

WHEREAS, the Exxon Valdez Oil Spill Trustee Council is charged with restoring, rehabilitating, replacing, enhancing or acquiring equivalent resources and services in the oil spill region and could benefit from better means to accomplish these goals, and

WHEREAS, with scientific advancements in the decades or centuries ahead eventual enhancement of many of the biological resources will be possible, and

WHEREAS, concentrating a major center for advancement of the biological sciences at the University of Alaska is in the best interests of all Alaskans injured by the Exxon Oil Spill, and

WHEREAS, the University of Alaska already has an appropriate Foundation for managing endowed chairs;

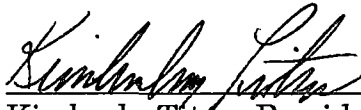


NOW IT THEREFORE BE RESOLVED BY THE MEMBERSHIP OF THE ALASKA  
CHAPTER OF THE WILDLIFE SOCIETY:

1. To urge the Exxon Valdez Oil Spill Trustee Council to instruct their Restoration Team to contact and cooperate with the University of Alaska in developing a plan for establishing up to 20 endowed chairs in the biological sciences that will fulfill the intent of the settlement.

2. That such a plan be included in the Restoration Plan and Environmental Impact Statement being prepared this year by the Restoration Team.

Adopted this 20th day of April 1993.

  
\_\_\_\_\_  
Kimberly Titus, President

x  
y  
z

15.2.4 1489



# Yukon Telephone Company, Inc.

P.O. BOX 873809

WASILLA, ALASKA 99687

TELEPHONE 907-373-6007

March 30, 1992

Exxon Valdez Oilspill Trustee Council  
645 G Street  
Anchorage, Alaska 99501

RECEIVED  
OCT 02 1995

0039940406  
RECEIVED  
APR 06 1993  
EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL

Dear Council Members:

Yukon Telephone Co. Inc. (YTC) has been working on a communications package for Prince William Sound for the past three years. Presently YTC is waiting on the FCC to approve the radio frequencies that YTC applied for a year ago. Assuming the frequencies are approved by the summer of 1993 YTC intends to provide phone service for Prince William Sound.

YTC's concept is simple, from Whittier connect with existing manned, year round accessible sites, which have power, via radio links. YTC has drawn upon Alascom's attempts to provide phone service to hatcheries within the Sound. From Alascom's experience we know that unmanned mountain top repeater sites are impractical, unreliable, and expensive given the Sound's extreme weather conditions. Therefore to provide reliable service it is imperative that base sites have year round access by boat and a fulltime power supply.

YTC has already established a year round radio path between Whittier and Esther Island Hatchery where YTC intends to put a Redcom telephone switch. On Esther Island Optaphone BETRS (Basic Exchange Telephone Radio System) equipment will be connected to the Redcom telephone switch on Esther Island. All phones at the Esther Island Hatchery would be connected to the Redcom switch by standard telephone cable. For other phones through the Sound Optaphone, BETRS equipment will connect them to the switch at Esther Island. The switch at Esther Island will then be connected into Whittier and the existing phone network. Any subscriber who would like phone service within the radius of the base station would be able to have phone service immediately. To extend the range of the base station repeaters will be installed at different sites as customer demand determines.

The monthly price for service would be the same as the local monthly service in Whittier. Toll calls placed over the radio system would be placed at the same rate as those placed from Whittier. The only hold up right now is FCC approval of an adequate number of frequencies to provide acceptable service in Prince William Sound. YTC believes that customers should not have calls blocked because of an inadequate number of frequencies provided by the FCC. An example of inability to service customers adequately is the marine operator at Johnstone Point.

In the summer calls are delayed at Johnstone Point for over twelve hours. This type of service is unacceptable to YTC but without being granted the requested frequencies it could happen. This problem should be resolved soon according to sources at the FCC. So as of present YTC's only real hold up for providing good phone service in Prince William Sound is FCC approval of the requested radio frequencies. Once approved by the FCC approval by the APUC for the service area should soon follow.

The cost of the Prince William Sound Communications package is very small compared with the wide area of coverage and monthly price for access to the national telephone network.

Prince William Sound  
Communication Package Costs

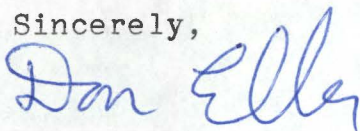
|  |           |
|--|-----------|
| Radio Transmission Equipment                 |           |
| 96 Subscriber Units                          | \$219,072 |
| Base Star system 6 Trunks and 96 Subscribers | \$48,155  |
| 6 Trunks to Whittier                         | \$31,110  |
| 3 Trunk Extenders                            | \$15,555  |
| 12 Antenna Assemblies                        | \$36,000  |
| Battery package for three days reserve       | \$7,000   |
| 2 Shelf Redcom Switch                        | \$50,000  |
| Self contained building for Esther           | \$10,000  |
| Towers                                       | \$2,500   |
| Installation of system                       | \$25,000  |
| Total Cost                                   | \$444,392 |



The \$444,392 would provide a system which could serve over 100 lines through out Prince William Sound reliably. Given the extreme weather conditions of PWS it is difficult to engineer a system which is 100% reliable, but the above system should work as well and be as reliable as the typical phone run on copper wire. Initially there may be some unforeseen problems during start up but once the initial bugs get worked out PWS will have communications. The cost per subscriber is roughly \$4400 per loop. This is above the national average for loop costs but given the low subscriber density and large area of coverage the costs are reasonable.

What Yukon Telephone Co. Inc. would request from the Exxon Valdez Oilspill Trustee Council is assistance financing the project. The preferred method of financial assistance would be a long term low interest loan. YTC has proven its ability to provide quality local phone service and has done most of the preliminary permitting, engineering, and testing for communications in Prince William Sound. With the help of the Trustee Council, YTC would like to provide communications within Prince William Sound to make it safer and to promote development, but most of all allow the residents of PWS to have phone service in their homes.

Sincerely,



Don Eller  
Yukon Telephone Co. Inc.

15.2.4 149 Z

From: Chris ZAWHWA  
PO Box 464  
Annapolis, Md 21404-0464

PLACE  
POSTAGE  
HERE

EXXON VALDEZ TRUSTEE COUNCIL  
1994 Work Plan Work Group  
645 "G" Street  
Anchorage, Alaska 99501

RECEIVED  
JUN 01 1993

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL

RECEIVED  
JUL 16 1993

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL  
ADMINISTRATIVE RECORD

Name: Chris Zabawa  
 Phone: 410-263-0877

1994 POTENTIAL PROJECT TITLES

Page 1

|    | RESOURCE<br>or<br>SERVICE | RESTORATION<br>or<br>SUBOPTION     | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2 | Do Not Fund |
|----|---------------------------|------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---|-------------|
|    |                           |                                    |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 |   |             |
| 1  | Archaeology               | Acquire Archaeological Artifacts   | Archaeological Specimens Collection, University of Alaska Museum                    | X           | X           | X           | \$41                   | M                           |        |        |        |        |        |        |        |        |   |             |
| 2  |                           | Acquire Archaeological Artifacts   | Nuchek Heritage Interpretive Center, Design   | X           |             |             | \$300                  | 1                           |        |        |        |        |        |        |        |        |   |             |
| 3  |                           | Habitat Protection and Acquisition | Archaeological Site Acquisition   | X           | X           | X           | \$200                  | M                           | X      | X      | X      | X      | X      | X      | X      | X      | X |             |
| 4  |                           | Intensified Management             | Coastal Archaeological Inventory and Evaluation of Archaeological Sites-Interagency | X           | X           | X           | \$525                  | M                           |        |        |        |        |        |        |        |        |   |             |
| 5  |                           | Intensified Management             | Vandalized Cultural Resources--Inventory, Evaluation, Interpretation                | X           | X           | X           | \$400                  | M                           |        |        |        |        |        |        |        |        |   |             |
| 6  |                           | Option Not Identified              | Restoration of Chenega Village Site   | X           |             |             | \$75                   | 1                           |        |        |        |        |        |        |        |        |   |             |
| 7  |                           | Option Not Identified              | Site-specific Archaeological Restoration - Interagency                              | X           | X           | X           | \$300                  | 93 - M                      |        |        |        |        |        |        |        |        |   |             |
| 8  |                           | Public Information                 | Passports in Time-Cultural Resource Patterns in PWS                                 | X           |             |             | \$230                  | M                           |        |        |        |        |        |        |        |        |   |             |
| 9  |                           | Public Information                 | Heritage Information Replacement  | X           | X           | X           | \$200                  | M                           |        |        |        |        |        |        |        |        |   |             |
| 10 |                           | Public Information                 | PWS Landmarks-Evaluation and Interpretation   | X           |             |             | \$400                  | M                           |        |        |        |        |        |        |        |        |   |             |
| 11 |                           | Public Information                 | Public Education and Interpretation of Archaeological Resource                      | X           | X           | X           | \$400                  | M                           |        |        |        |        |        |        |        |        |   |             |
| 12 |                           | Restoration Monitoring             | Study of Petroleum Hydrocarbon Spectra at Selected Sites                            | X           | X           | X           | \$225                  | M                           |        |        |        |        |        |        |        |        |   |             |
| 13 |                           | Site Patrol and Monitoring         | Archaeological Site Protection-Public Education-Interagency                         | X           | X           | X           | \$150                  | M                           |        |        |        |        |        |        |        |        |   |             |
| 14 |                           | Site Patrol and Monitoring         | Archaeological Site Protection-Site Patrol Monitoring-Interagency                   | X           | X           | X           | \$210                  | M                           |        |        |        |        |        |        |        |        |   |             |
| 15 |                           | Site Stewardship Program           | Archaeological Site Stewardship Program   | X           | X           | X           | \$114                  | M                           |        |        |        |        |        |        |        |        |   |             |
| 16 |                           | Visitor Center                     | Chugach National Forest Heritage Interpretive Center, Design                        | X           |             |             | \$1,200                | 1                           |        |        |        |        |        |        |        |        |   |             |
|    |                           |                                    |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
|    |                           |                                    |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
| 17 | Bald Eagle                | Habitat Protection                 | Identification and Protection of Important Bald Eagle Habitats                      | X           | X           | X           | \$262                  | M                           | X      | X      | X      | X      | X      | X      | X      | X      | X |             |
| 18 |                           | Recovery Monitoring                | Bald Eagle Productivity Survey and Catalog  | X           | X           | X           | \$10                   | M                           |        |        |        |        |        |        |        |        |   |             |
| 19 |                           | Recovery Monitoring                | Long-Term Population Monitoring for Bald Eagles                                     | X           | X           | X           | \$200                  | M                           |        |        |        |        |        |        |        |        |   |             |
|    |                           |                                    |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
|    |                           |                                    |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
| 20 | Black Oystercatcher       | Recovery Monitoring                | Black Oystercatcher Interaction with Intertidal Communities                         | X           | X           | X           | \$108                  | 93 - M                      |        |        |        |        |        |        |        |        |   |             |
| 21 |                           | Recovery Monitoring                | Feeding Ecology and Reproductive Success of Black Oystercatchers in PWS             | X           |             |             | \$125                  | M                           |        |        |        |        |        |        |        |        |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: C. ZABAWA  
 Phone: 410-263-0877

1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION      |             |             | EST<br>COST/YR<br>\$K | EST<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | Do Not Fund |
|----|---------------------------|---------------------------------------|--|-------------|-------------|-------------|-----------------------|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
|    |                           |                                       |  | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                       |                            | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 |             |
| 22 | Black Oystercatcher       | Restoration Monitoring                |  |             |             |             |                       |                            |        |        |        |        |        |        |        |        |             |
| 23 | Commercial Fishing        | Habitat Protection and Acquisition    | Weir And Conservation Land Acquisition   | X           | X           | X           | \$1,100               | M                          |        |        |        |        |        |        |        |        |             |
| 24 |                           | Intensify Management                  | Establish an Ecological Basis for Restoring and Enhancing Mixed-stock Salmon Resources     | X           | X           | X           | \$385                 | M                          |        |        |        |        |        |        |        |        |             |
| 25 |                           | Intensify Management                  | Fishery Industrial Technology Center   | X           | X           | X           | \$3,500               | 1                          |        |        |        |        |        |        |        |        |             |
| 26 |                           | Intensify Management                  | Model for Capacity of Salmon Production for the Susitna Drainage                           |             | X           |             | \$150                 | M                          |        |        |        |        |        |        |        |        |             |
| 27 |                           | Intensify Management                  | Susitna River Sockeye Salmon Production Evaluation   |             | X           |             | \$300                 | M                          |        |        |        |        |        |        |        |        |             |
| 28 |                           | Monitoring                            | Thirteen Commercial Species Hydrocarbon Contamination and Injury Assessment                | X           | X           | X           | \$200                 | M                          |        |        |        |        |        |        |        |        |             |
| 29 |                           | Option Not Identified                 | Payoff Debt of Valdez Fisheries Development Association                                    | X           |             |             | \$5,000               | 1                          |        |        |        |        |        |        |        |        |             |
| 30 |                           | Recovery Monitoring                   | Recovery of Coded-Wire Tags from Pink Salmon in Commercial Catches, Hatchery Cost Recovery | X           |             |             | \$868                 | M                          |        |        |        |        |        |        |        |        |             |
| 31 |                           | Recovery Monitoring                   | Wild Fish Stock Information Assessment   | X           | X           | X           | \$50                  | M                          |        |        |        |        |        |        |        |        |             |
| 32 |                           | Replace Harvest Opportunities         | Mitigation Fishery at Kitoi Bay Hatchery on Afognak Island                                 |             |             | X           | \$45                  | M                          |        |        |        |        |        |        |        |        |             |
| 33 |                           | Replace Harvest Opportunities         | Montague Island Chum Salmon Restoration  | X           |             |             | \$80                  | M                          |        |        |        |        |        |        |        |        |             |
| 34 |                           | Replace Harvest Opportunities         | Paint River Fish Ladder Salmon Stocking Program  |             | X           |             | \$50                  | M                          |        |        |        |        |        |        |        |        |             |
| 35 |                           | Replace Harvest Opportunities         | Red Lake Mitigation  |             |             | X           | \$191                 | M                          |        |        |        |        |        |        |        |        |             |
| 36 | Common Murre              | Feasibility Study: Improve Nest Sites | Testing of the Feasibility of Enhancing Productivity                                       | X           | X           | X           | \$280                 | M                          |        |        |        |        |        |        |        |        |             |
| 37 |                           | Feasibility Study: Social Stimuli     | Restoration of Murres by Way of Behavioral Attraction and Habitat Enhancement              | X           | X           | X           | \$51                  | 93 - M                     |        |        |        |        |        |        |        |        |             |
| 38 |                           | Feasibility Study: Social Stimuli     | Restoration of Murres by Way of Transplantation of Chicks-Feasibility Study                | X           | X           | X           | \$73                  | M                          |        |        |        |        |        |        |        |        |             |
| 39 |                           | Recovery Monitoring                   | Common Murre Population Monitoring   | OUT         | X           | X           | \$191                 | M                          |        |        |        |        |        |        |        |        |             |
| 40 |                           | Reduce Disturbance                    | Reduce Disturbance Near Murre Colonies Injured by the Oil Spill                            | X           | X           | X           | \$40                  | M                          |        |        |        |        |        |        |        |        |             |
| 41 |                           | Remove Introduced Species             | Removal of Introduced Predators from Bird Colonies   | OUT         |             |             | \$460                 | M                          |        |        |        |        |        |        |        |        |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: C. ZABAWA  
 Phone: 410-263-0877

1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1<br>9<br>9<br>4 | 1<br>9<br>9<br>5 | 1<br>9<br>9<br>6 | 1<br>9<br>9<br>7 | 1<br>9<br>9<br>8 | 1<br>9<br>9<br>9 | 2<br>0<br>0<br>0 | 2<br>0<br>0<br>1 | Do Not Fund |
|----|---------------------------|---------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------|
|    |                           |                                       |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 42 | Common Murre              | Restoration Monitoring                |   |             |             |             |                        | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
|    |                           |                                       |   |             |             |             |                        |                             |                  |                  |                  |                  |                  |                  |                  |                  |             |
|    |                           |                                       |   |             |             |             |                        |                             |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 43 | Cutthroat/Dolly           | Intensify Management                  | Cutthroat Trout and Dolly Varden Habitat Restoration                                      | X           |             |             | \$200                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 44 |                           | Intensify Management                  | Enhanced Management of Cutthroat Trout and Dolly Varden                                   | X           |             |             | \$285                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 45 |                           | Option Not Identified                 | Anadromous Cutthroat and Dolly Varden Char Habitat Inventory, Evaluation, and Restoration | X           |             |             | \$35                   | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 46 |                           | Option Not Identified                 | Cutthroat Trout and Dolly Varden Hatchery   | X           |             |             | \$950                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 47 |                           | Restoration Monitoring                |   |             |             |             |                        | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
|    |                           |                                       |   |             |             |             |                        |                             |                  |                  |                  |                  |                  |                  |                  |                  |             |
|    |                           |                                       |   |             |             |             |                        |                             |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 48 | General                   | Administration                        | Oil Spill Restoration Support Service and Facilities                                      | X           | X           | X           | \$600                  | 1                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 49 |                           | Monitoring                            | Monitoring of Small Cetaceans (Dall Porpoises) in PWS                                     | X           |             |             | \$200                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 50 |                           | Option Not Identified                 | Hazardous Material Collection Facility  | X           | X           | X           | \$100                  | 1                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 51 |                           | Option Not Identified                 | Testing of Patch-Response Patch Dependence Hypothesis-Testing of an Ecosystem Model       | X           | X           | X           | \$488                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 52 |                           | Public Information                    | Public Broadcasting System Program on Oil Spill   | X           | X           | X           | \$70                   | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 53 |                           | Public Information                    | Publish and Distribute Brochures on Injured Species                                       | X           | X           | X           | \$90                   | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 54 |                           | Public Information                    | PWS Brochures   | X           |             |             | \$65                   | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 55 |                           | Public Information                    | PWS Implementation of Interpretive Plan   | X           |             |             | \$150                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 56 |                           | Public Information                    | PWS Large Format Photographic Book  | X           |             |             | \$100                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 57 |                           | Public Information                    | PWS Scenic Byway-- Nomination and Interpretive Plan                                       | X           |             |             | \$70                   | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 58 |                           | Public Information                    | PWS Video Programs  | X           |             |             | \$100                  | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 59 |                           | Public Information                    | Science of the Sound- Education Program   | X           |             |             | \$53                   | M                           |                  |                  |                  |                  |                  |                  |                  |                  |             |
|    |                           |                                       |   |             |             |             |                        |                             |                  |                  |                  |                  |                  |                  |                  |                  |             |
|    |                           |                                       |   |             |             |             |                        |                             |                  |                  |                  |                  |                  |                  |                  |                  |             |



Name: C. Zabawa  
 Phone: 410-263-0877

1994 POTENTIAL PROJECT TITLES

Page 4

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |     |     | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 2  | Do Not Fund |
|----|---------------------------|---------------------------------------|---|--------|-----|-----|------------------------|-----------------------------|----|----|----|----|----|----|----|----|-------------|
|    |                           |                                       |   | PWS    | KEN | KOD |                        |                             | 94 | 95 | 96 | 97 | 98 | 99 | 00 | 01 |             |
| 60 | Harbor Seal               | Cooperative Program-Fishermen         |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 61 |                           | Monitoring                            | Monitoring Trends in Abundance of Harbor Seals in PWS   | X      |     |     | \$39                   | M                           |    |    |    |    |    |    |    |    |             |
| 62 |                           | Option Not Identified                 | Subsistence Harvest Assistance  | X      |     |     | \$23                   | M                           |    |    |    |    |    |    |    |    |             |
| 63 |                           | Option Not Identified                 | Habitat Use and Behavior of Harbor Seals in PWS   | X      |     |     | \$165                  | 93 - M                      |    |    |    |    |    |    |    |    |             |
| 64 |                           | Recovery Monitoring                   | Habitat Use, Monitoring, Population Modelling, and Information Synthesis                      | X      | X   | X   | \$230                  | M                           |    |    |    |    |    |    |    |    |             |
|    |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|    |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 65 | Harlequin Duck            | Eliminate Oil from Mussel Beds        |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 66 |                           | Monitoring                            | Harlequin Duck Recovery Monitoring, Population Modelling and Habitat Information Synthesis    | X      | X   | X   | \$700                  | 93 - M                      |    |    |    |    |    |    |    |    |             |
| 67 |                           | Option Not Identified                 | Quantification of Stream Habitat for Harlequin Ducks from Remotely Sensed Data                | X      | X   | X   | \$53                   | M                           |    |    |    |    |    |    |    |    |             |
|    |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
|    |                           |                                       |   |        |     |     |                        |                             |    |    |    |    |    |    |    |    |             |
| 68 | Intertidal                | Accelerate Recovery of Intertidal     | Deposit Sand on Cleaned Beaches, to Promote Clam Recruitment-Feasibility Study                | X      | X   | X   | \$20                   | M                           |    |    |    |    |    |    |    |    |             |
| 69 |                           | Accelerate Recovery of Intertidal     | Fucus Restoration Feasibility Study   | X      | X   | X   | \$70                   | M                           |    |    |    |    |    |    |    |    |             |
| 70 |                           | Accelerate Recovery of Intertidal     | Restoration of High-Intertidal Fucus  | X      | X   | X   | \$300                  | M                           |    |    |    |    |    |    |    |    |             |
| 71 |                           | Accelerate Recovery of Intertidal     | Beach Subsurface Oil Recovery   | X      | X   | X   | \$50                   | M                           |    |    |    |    |    |    |    |    |             |
| 72 |                           | Accelerate Recovery of Intertidal     | Hydrodynamic Purging of Oil from Contaminated Beaches, PWS                                    | X      |     |     | \$500                  | M                           |    |    |    |    |    |    |    |    |             |
| 73 |                           | Accelerate Recovery of Intertidal     | Rapid Restoration of Weathered Crude Contaminated Beach Subsurface Material                   | X      | X   | X   | \$800                  | M                           |    |    |    |    |    |    |    |    |             |
| 74 |                           | Accelerate Recovery of Intertidal     | Restore Shorelines Injured by Beach Berm Relocation   | X      | X   | X   |                        | M                           |    |    |    |    |    |    |    |    |             |
| 75 |                           | Monitoring                            | Coastal Habitat Injury Assessment - Intertidal Algae  | X      | X   | X   | \$620                  | M                           |    |    |    |    |    |    |    |    |             |
| 76 |                           | Monitoring                            | Fate and Transport of Subsurface Hydrocarbons in Beach Deposits in PWS                        | X      |     |     | \$600                  | M                           |    |    |    |    |    |    |    |    |             |
| 77 |                           | Monitoring                            | Coastal Habitat Comprehensive Intertidal Monitoring Program                                   | X      | X   | X   | \$500                  | M                           | X  | X  | X  | X  | X  | X  | X  | X  |             |
| 78 |                           | Monitoring                            | Hydrocarbons in Mussels from Coastal Gulf of Alaska, Cook Inlet and Shelikof Strait           |        | X   | X   | \$200                  | M                           |    |    |    |    |    |    |    |    |             |
| 79 |                           | Monitoring                            | Intertidal/Shallow Subtidal Crustacean (Decapod) Composition                                  | X      | X   | X   | \$275                  | M                           |    |    |    |    |    |    |    |    |             |
| 80 |                           | Monitoring                            | Long-Term Monitoring -Acute and Chronic Toxicity of Residual Hydrocarbons to Littleneck Clams | X      | X   | X   | \$50                   | M                           |    |    |    |    |    |    |    |    |             |
| 81 |                           | Monitoring                            | Monitoring for Recruitment of Littleneck Clams  | X      | X   | X   | \$186                  | M                           |    |    |    |    |    |    |    |    |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: C. ZABAWA  
 Phone: 410-263-0877

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
|     |                           |                                       |  | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 |             |
| 82  | Intertidal                | Monitoring                            | Monitoring Sites - Collector Beaches and Lagoons   | X           | X           | X           | \$500                  | M                           |        |        |        |        |        |        |        |        |             |
| 83  |                           | Monitoring                            | Natural Recovery of Oiled and Treated Shorelines and Monitoring                            | X           | X           | X           | \$600                  | M                           |        |        |        |        |        |        |        |        |             |
| 84  |                           | Monitoring                            | Quantification of Intertidal Algal Recovery Using Multispectral Digital Remote Sensing     | X           | X           | X           | \$195                  | M                           |        |        |        |        |        |        |        |        |             |
| 85  |                           | Monitoring                            | Recovery Monitoring of Intertidal Oiled Mussel Beds  | X           | X           | X           | \$500                  | 93 - M                      |        |        |        |        |        |        |        |        |             |
| 86  |                           | Monitoring                            | Herring Bay Experimental and Monitoring Studies  | X           |             |             | \$495                  | 93 - M                      |        |        |        |        |        |        |        |        |             |
| 87  |                           | Option Not Identified                 | Bivalve Shellfish Rehabilitation Project   | X           | X           | X           | \$860                  | M                           |        |        |        |        |        |        |        |        |             |
| 88  |                           | Option Not Identified                 | Clam Enhancement   | X           | X           | X           | \$120                  | M                           |        |        |        |        |        |        |        |        |             |
| 89  |                           | Option Not Identified                 | Replacement of Oiled Mussels with Commercially Produced Mussels                            | X           | X           | X           | \$500                  | M                           |        |        |        |        |        |        |        |        |             |
| 90  |                           | Option Not Identified                 | Restoration of Mussel Beds   | X           | X           | X           | \$500                  | M                           |        |        |        |        |        |        |        |        |             |
| 91  |                           | Option Not Identified                 | Characterization of Near-Shore Bottom Habitat  | X           | X           | X           | \$237                  | M                           |        |        |        |        |        |        |        |        |             |
|     |                           |                                       |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
|     |                           |                                       |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 92  | Killer Whale              | Monitoring                            | Photo-Identification Studies of PWS Killer Whales  | X           |             |             | \$120                  | 93 - M                      |        |        |        |        |        |        |        |        |             |
| 93  |                           | Monitoring                            | Recovery Monitoring  | X           |             |             | \$125                  | M                           |        |        |        |        |        |        |        |        |             |
| 94  |                           | Monitoring                            | Use of Satellite Transmitters to Investigate Killer Whale Ecology in PWS                   | X           |             |             | \$180                  | M                           |        |        |        |        |        |        |        |        |             |
| 95  |                           | Reduce Fishery Interactions           | Change Black Cod Fishery Gear  | X           |             |             |                        | M                           |        |        |        |        |        |        |        |        |             |
|     |                           |                                       |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
|     |                           |                                       |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 96  | Marbled Murrelet          | Habitat Protection                    | Identification of Nesting Habitat Criteria and Reproductive Success for Marbled Murrelet   | X           | X           | X           | \$240                  | 93 - M                      |        |        |        |        |        |        |        |        |             |
| 97  |                           | Habitat Protection                    | Survey to Identify Upland Use by Murrelets   | X           | X           | X           | \$180                  | 93 - M                      |        |        |        |        |        |        |        |        |             |
| 98  |                           | Habitat Protection                    | Assessment of Marbled Murrelet Foraging Habitat Requirements During Breeding Season        | X           | X           | X           | \$250                  | M                           |        |        |        |        |        |        |        |        |             |
| 99  |                           | Habitat Protection                    | Marbled Murrelet Nesting and Feeding Site Characterization and Assessment                  | X           | X           | X           | \$509                  | M                           |        |        |        |        |        |        |        |        |             |
| 100 |                           | Minimize Incidental Take              |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 101 |                           | Recovery Monitoring                   | Determine Status of Marbled Murrelet Populations In Kenai Fjords and Katmai National Parks | X           | X           |             | \$200                  | M                           |        |        |        |        |        |        |        |        |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: C. Zabawa  
 Phone: 410-263-0877

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |     |     | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 2  | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|--------|-----|-----|------------------------|-----------------------------|----|----|----|----|----|----|----|----|-------------|
|     |                           |                                       |   | PWS    | KEN | KOD |                        |                             | 94 | 95 | 96 | 97 | 98 | 99 | 00 | 01 |             |
| 102 | Marbled Murrelet          | Restoration Monitoring                | Survey to Monitor Recovery of Marbled Murrelets   | X      | X   | X   | \$250                  | M                           |    |    |    |    |    |    |    |    |             |
| 103 | Multiple Resources        | Habitat Protection                    | Habitat Modelling   | X      | X   | X   | \$150                  | M                           | X  | X  | X  | X  | X  | X  | X  | X  | X           |
| 104 |                           | Habitat Protection                    | Riparian Habitat Assessment   | X      | X   | X   | \$110                  | M                           | X  | X  | X  | X  | X  | X  | X  | X  | X           |
| 105 |                           | Habitat Protection                    | Stream Channel Capability Modeling  | X      | X   | X   | \$110                  | M                           | X  | X  | X  | X  | X  | X  | X  | X  | X           |
| 106 |                           | Habitat Protection                    | Stream Habitat Assessment   | X      | X   | X   | \$361                  | 93 - M                      | X  | X  | X  | X  | X  | X  | X  | X  | X           |
| 107 |                           | Habitat Protection                    | Valdez Hazardous Waste Collection   | X      |     |     | \$200                  | 1                           |    |    |    |    |    |    |    |    |             |
| 108 |                           | Habitat Protection                    | Vegetation and Stream Classification and Mapping  | X      | X   | X   | \$276                  | 93 - M                      | X  | X  | X  | X  | X  | X  | X  | X  | X           |
| 109 |                           | Habitat Protection                    | Wetland Habitat Classification, Mapping and Assessment                                  | X      | X   | X   | \$100                  | M                           | X  | X  | X  | X  | X  | X  | X  | X  | X           |
| 110 |                           | Habitat Protection                    | Characterization and Identification of Habitat Important to Upland Species              | X      | X   | X   | \$750                  | M                           |    |    |    |    |    |    |    |    |             |
| 111 |                           | Habitat Protection and Acquisition    | Inholdings in Alaska Maritime National Wildlife Refuge                                  |        | X   | X   | \$111                  | 1                           |    |    |    |    |    |    |    |    |             |
| 112 |                           | Habitat Protection and Acquisition    | Inholdings in Alaska Peninsula National Wildlife Refuge                                 |        |     | X   |                        | 1                           |    |    |    |    |    |    |    |    |             |
| 113 |                           | Habitat Protection and Acquisition    | Inholdings in Becharof National Wildlife Refuge   |        |     | X   |                        | 1                           |    |    |    |    |    |    |    |    |             |
| 114 |                           | Habitat Protection and Acquisition    | Valdez Duck Flats   | X      |     |     |                        | 1                           |    |    |    |    |    |    |    |    |             |
| 115 |                           | Habitat Protection and Acquisition    | Inholdings in Kenai Fjords National Wildlife Refuge                                     |        | X   |     | \$20                   | 1                           |    |    |    |    |    |    |    |    |             |
| 116 |                           | Habitat Protection and Acquisition    | Inholdings in Aniakchak National Monument and Preserve                                  |        |     | X   |                        | 1                           |    |    |    |    |    |    |    |    |             |
| 117 |                           | Habitat Protection and Acquisition    | Kitoi Bay Hatchery Watershed Habitat Acquisition  |        |     | X   | \$250                  | 1                           |    |    |    |    |    |    |    |    |             |
| 118 |                           | Habitat Protection and Acquisition    | Acquire Olsen Bay Watershed   | X      |     |     | \$3,500                | 1                           |    |    |    |    |    |    |    |    |             |
| 119 |                           | Habitat Protection and Acquisition    | Acquisition of Inholdings in Shuyak Island State Park                                   |        |     | X   | \$200                  | 1                           |    |    |    |    |    |    |    |    |             |
| 120 |                           | Habitat Protection and Acquisition    | Acquisition of Koniag Corporation Inholdings within the Kodiak National Wildlife Refuge |        |     | X   | \$77,000               | 1                           |    |    |    |    |    |    |    |    |             |
| 121 |                           | Habitat Protection and Acquisition    | Conservation Easement-Aialik Bay  |        | X   |     | \$90                   | 1                           |    |    |    |    |    |    |    |    |             |
| 122 |                           | Habitat Protection and Acquisition    | Conservation Easement-Chugach Bay   |        | X   |     | \$60                   | 1                           |    |    |    |    |    |    |    |    |             |
| 123 |                           | Habitat Protection and Acquisition    | Conservation Easement-Dogfish Bay   |        | X   |     | \$400                  | 1                           |    |    |    |    |    |    |    |    |             |
| 124 |                           | Habitat Protection and Acquisition    | Conservation Easement-Port Chatham  |        | X   |     | \$80                   | 1                           |    |    |    |    |    |    |    |    |             |
| 125 |                           | Habitat Protection and Acquisition    | Conservation Easement-Rock Bay  |        | X   |     | \$740                  | 1                           |    |    |    |    |    |    |    |    |             |
| 126 |                           | Habitat Protection and Acquisition    | Habitat Acquisition   | X      | X   | X   | \$25,000               | 93 - 1                      | X  | X  | X  | X  | X  | X  | X  | X  | X           |
| 127 |                           | Habitat Protection and Acquisition    | Habitat Acquisition, Afognak  |        |     | X   | \$112,500              | 1                           |    |    |    |    |    |    |    |    |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: C. ZABAWA  
 Phone: 410-263-0877

1994 POTENTIAL PROJECT TITLES

Page 7

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 128 | Multiple Resources        | Habitat Protection and Acquisition    | Habitat Acquisition, Kodiak Island  |        |   | X | \$20,000               | 1                           |   |   |   |   |   |   |   |   |   |             |
| 129 |                           | Habitat Protection and Acquisition    | Habitat Acquisition, North Afognak Island   |        |   | X | \$4,000                | 1                           |   |   |   |   |   |   |   |   |   |             |
| 130 |                           | Habitat Protection and Acquisition    | Kodiak Bear Refuge Stream Mouth Inholdings Acquisition                                      |        |   | X | \$1,000                | 1                           |   |   |   |   |   |   |   |   |   |             |
| 131 |                           | Increase Natural Food Supply          |   |        |   |   |                        |                             |   |   |   |   |   |   |   |   |   |             |
| 132 |                           | Intensify Management                  | Develop Management Strategy for Enhancing Recovery Rate of Bird and Sea Otter Populations   | X      | X | X | \$50                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 133 |                           | Intensify Management                  | Genetic Risk Assessment of Injured Salmonids  | X      | X | X | \$408                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 134 |                           | Intensify Management                  | Restoration and Mitigation of Essential Wetland Habitats for PWS Fish and Wildlife          | X      |   |   | \$200                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 135 |                           | Intensify Management                  | Restoration of Second Growth Habitat for Wildlife in PWS                                    | X      |   |   | \$40                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 136 |                           | Intensify Management                  | Seabird Colony Restoration  | X      | X | X | \$250                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 137 |                           | Intensify Management                  | Stock Identification of Chum, Sockeye and Chinook Salmon in PWS                             | X      |   |   | \$250                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 138 |                           | Monitoring                            | Shoreline Worm Life Monitoring  | X      | X | X | \$388                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 139 |                           | Option Not Identified                 | Instream Habitat and Stock Restoration Techniques for Anadromous Fish                       | X      | X | X | \$416                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 140 |                           | Option Not Identified                 | Alaska Land and Wildlife Conservation Fund  | X      | X | X | one billion            | M                           |   |   |   |   |   |   |   |   |   |             |
| 141 |                           | Option Not Identified                 | Field Study of Bioremediation Enhancement Treatment Methods                                 | X      | X | X | \$280                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 142 |                           | Option Not Identified                 | Oil Spill Injured Resources Literature Research and Review                                  | X      | X | X | \$7                    | M                           |   |   |   |   |   |   |   |   |   |             |
| 143 |                           | Option Not Identified                 | Analyze Natural Resource Damage Assessment Samples Left Un-Analyzed                         | X      | X | X | \$650                  | 1                           |   |   |   |   |   |   |   |   |   |             |
| 144 |                           | Option Not Identified                 | Identification of Seabird Feeding Areas from Remotely Sensed Data and Impact on Restoration | X      | X | X | \$48                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 145 |                           | Option Not Identified                 | Shoreline Assessment  | X      | X | X | \$250                  | 93 - M                      |   |   |   |   |   |   |   |   |   |             |
| 146 |                           | Option Not Identified                 | Uganik River Fish Counting Weir - Brown Bear and Other Wildlife Food Study                  |        |   | X | \$28                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 147 |                           | Recovery Monitoring                   | Comprehensive Monitoring Program, Plan and Administer                                       | X      | X | X | \$500                  | 93 - M                      |   |   |   |   |   |   |   |   |   |             |
| 148 |                           | Recovery Monitoring                   | Cook Inlet Comprehensive Monitoring Program   |        |   | X | \$800                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 149 |                           | Recovery Monitoring                   | Full Funding for Oil Spill Recovery Institute   | X      | X | X | \$2,300                | 1                           |   |   |   |   |   |   |   |   |   |             |
| 150 |                           | Recovery Monitoring                   | Injured Resource Food Supply  | X      | X | X | \$850                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 151 |                           | Recovery Monitoring                   | Inventory, Monitor, Protect Permanent Study Sites   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 152 |                           | Recovery Monitoring                   | Long-Term Monitoring of Marine Environment of Resurrection Bay                              |        |   | X | \$600                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 153 |                           | Recovery Monitoring                   | Migratory Shore Birds Staging in Rocky Intertidal Habitats of PWS                           | X      |   |   | \$80                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 154 |                           | Recovery Monitoring                   | Migratory Waterfowl and Shorebird Monitoring  | X      | X | X | \$150                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 155 |                           | Recovery Monitoring                   | Monitor Population Status of Seabird Nesting Colonies in the Spill Zone                     | X      | X | X | \$100                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 156 |                           | Recovery Monitoring                   | Restoration Recovery Monitoring of Stream-Rearing Anadromous Salmonids                      | X      | X | X | \$200                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 157 |                           | Recovery Monitoring                   | Survey to Determine Abundance Distribution, Habitat, and Food Habits of Staging Shore Birds | X      |   |   | \$35                   | M                           |   |   |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: C. Zabawa  
 Phone: 410-263-0877

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION  | POTENTIAL PROJECTS   | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | Do Not Fund |
|-----|---------------------------|--|--|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
|     |                           |  |  | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 |             |
| 158 | Multiple Resources        | Recovery Monitoring                    | Survey to Determine Distribution, Abundance, and Food Habits of Staging Migratory Waterfowl  | X           |             |             | \$91                   | M                           |        |        |        |        |        |        |        |        |             |
| 159 |                           | Recovery Monitoring                    | Surveys to Monitor Marine Bird and Sea-Otter Populations                                     | X           | X           | X           | \$275                  | 93 - M                      |        |        |        |        |        |        |        |        |             |
| 160 |                           | Reduce Disturbance by Field Presence   |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 161 |                           | Reduce Disturbance Through Public Info | Public Information and Education   | X           | X           | X           | \$316                  | M                           |        |        |        |        |        |        |        |        |             |
| 162 |                           | Reduce Disturbance Through Public Info | Publish and Distribute Brochures on Injured Species  | X           | X           | X           | \$50                   | M                           |        |        |        |        |        |        |        |        |             |
| 163 |                           | Restoration Monitoring                 | Abundance and Distribution of Forage Fish and Their Influence on Recovery of Injured Species | X           | X           | X           | \$500                  | M                           |        |        |        |        |        |        |        |        |             |
| 164 |                           | Restoration Monitoring                 | Ecosystem Study  | X           | X           | X           | \$6,000                | M                           |        |        |        |        |        |        |        |        |             |
|     |                           |  |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
|     |                           |  |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 165 | Pacific Herring           | Intensify Management                   | Genetic Stock Identification for Herring in PWS  | X           |             |             | \$205                  | M                           |        |        |        |        |        |        |        |        |             |
| 166 |                           | Intensify Management                   | Herring Spawn Deposition, Egg Loss, and Reproductive Impairment                              | X           |             |             | \$400                  | M                           |        |        |        |        |        |        |        |        |             |
| 167 |                           | Intensify Management                   | PWS Herring Tagging Feasibility Study  | X           |             |             | \$112                  | M                           |        |        |        |        |        |        |        |        |             |
| 168 |                           | Monitoring                             | Herring Embryo Viability Evaluation - Natural and Catastrophic Effects                       | X           |             |             | \$189                  | M                           |        |        |        |        |        |        |        |        |             |
| 169 |                           | Monitoring                             | Larval Herring Age and Growth in PWS Using Otoliths  | X           |             |             | \$60                   | M                           |        |        |        |        |        |        |        |        |             |
| 170 |                           | Option Not Identified                  | Enhancement of Pacific Herring   | X           | X           | X           | \$120                  | M                           |        |        |        |        |        |        |        |        |             |
| 171 |                           | Restoration Monitoring                 |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
|     |                           |  |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
|     |                           |  |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 172 | Pigeon Guillemot          | Monitoring                             | Pigeon Guillemot Colony Survey   | X           | X           | X           | \$40                   | 93 - M                      |        |        |        |        |        |        |        |        |             |
| 173 |                           | Monitoring                             | Pigeon Guillemot Recovery Enhancement and Monitoring   | X           | X           | X           | \$180                  | M                           |        |        |        |        |        |        |        |        |             |
| 174 |                           | Restoration Monitoring                 |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 175 |                           | Temporary Predator Control             |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
|     |                           |  |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
|     |                           |  |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |



Name: C ZAWA  
 Phone: 410-763-0877

1994 POTENTIAL PROJECT TITLES

Page 9

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION    | POTENTIAL PROJECTS  | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|--|---|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|---|-------------|
|     |                           |  |   | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 176 | Pink Salmon               | Fish Passes and Access                   | Feasibility of Fish Passes as Oil Spill Restoration   | X      | X | X | \$25                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 177 |                           | Fish Passes and Access                   | Horse Marine Creek Pink Salmon Restoration  |        |   | X | \$28                   | 1                           |   |   |   |   |   |   |   |   |   |             |
| 178 |                           | Fish Passes and Access                   | Otter Creek Fish Pass   | X      |   |   | \$130                  | 1                           |   |   |   |   |   |   |   |   |   |             |
| 179 |                           | Fish Passes and Access                   | Pink Creek Pink Salmon Restoration  |        |   | X | \$11                   | 1                           |   |   |   |   |   |   |   |   |   |             |
| 180 |                           | Fish Passes and Access                   | Sockeye Creek Fish Pass   | X      |   |   | \$60                   | 1                           |   |   |   |   |   |   |   |   |   |             |
| 181 |                           | Fish Passes and Access                   | Waterfall Creek Pink Salmon Restoration-Fish Improvement                                      |        |   | X | \$55                   | 1                           |   |   |   |   |   |   |   |   |   |             |
| 182 |                           | Improve Survival Rates                   | Fry Rearing to Improve Survival and Restore Wild Pink and Chum Salmon Stocks                  | X      | X | X | \$727                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 183 |                           | Intensify Management                     | Adult Tagging to Determine Distribution, Migratory Timing and Rate of Movement of Pink Salmon | X      |   |   | \$495                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 184 |                           | Intensify Management                     | Coded Wire Tag Recoveries from Commercial Catches in PWS Salmon Fisheries                     | X      |   |   | \$855                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 185 |                           | Intensify Management                     | Coded Wire Tagging of Wild Stock Pink Salmon for Stock Identification                         | X      |   |   | \$500                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 186 |                           | Intensify Management                     | Inventory and Effect of Straying Hatchery Pink Salmon on Wild Pink Salmon Population          | X      |   |   | \$253                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 187 |                           | Intensify Management                     | Otolith Marking - Inseason Stock Separation Tool to Reduce Wild Stock Salmon Exploitation     | X      | X | X | \$152                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 188 |                           | Intensify Management                     | Pink Salmon Escapement Enumeration  | X      | X | X | \$705                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 189 |                           | Intensify Management                     | PWS Salmon Stock Genetics   | X      |   |   | \$150                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 190 |                           | Intensify Management                     | Quality Assurance for PWS Coded Wire Tagging and Fish Production Records                      | X      |   |   | \$66                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 191 |                           | Monitoring                               | Investigating and Monitoring Oil Related Egg and Alevin Mortalities                           | X      | X |   | \$686                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 192 |                           | Monitoring                               | Restoration Monitoring and Preservation of Wild Populations of Pink Salmon                    | X      | X |   | \$899                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 193 |                           | Monitoring                               | Injury to Salmon Eggs and Pre-emergent Fry in PWS, Laboratory Verification                    | X      |   |   | \$141                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 194 |                           | Monitoring                               | Pink Salmon Egg to Pre-Emergent Fry Survival in PWS   | X      |   |   | \$385                  | 93 - M                      |   |   |   |   |   |   |   |   |   |             |
| 195 |                           | Monitoring                               | Monitoring Early Marine Growth of Juvenile Salmon in Prince William Sound                     | X      |   |   | \$50                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 196 |                           | Option Not Identified                    | Pink Salmon Stream Enhancement in Prince William Sound, Lower Cook Inlet and Kodiak           | X      | X | X | \$300                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 197 | Recreation                | Establish Marine Environmental Institute | Build Research and Monitoring Facilities and Program/Cook Inlet, Kodiak                       |        | X | X | \$1,250                | M                           |   |   |   |   |   |   |   |   |   |             |
| 198 |                           | Establish Marine Environmental Institute | Oiled Wildlife Rehabilitation Center  | X      | X | X | \$6,000                | 1                           |   |   |   |   |   |   |   |   |   |             |
| 199 |                           | Establish Marine Environmental Institute | Seward Sea Life Center  | X      | X | X | \$40,000               | 1                           |   |   |   |   |   |   |   |   |   |             |
| 200 |                           | Habitat Protection and Acquisition       | 17(b) Easement Identification-Public Access   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 201 |                           | Habitat Protection and Acquisition       | Acquisition of Important Recreation Lands   | X      | X | X | \$500                  | M                           |   |   |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: C. ZABAWA  
 Phone: 480-263-0877

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 202 | Recreation                | Habitat Protection and Acquisition    | Acquisition of Recreational Sites on Kodiak Road System                              |        |   | X | \$500                  | 1                           |   |   |   |   |   |   |   |   |   |             |
| 203 |                           | Habitat Protection and Acquisition    | Land Exchange Shuyak for Kodiak Land on Road System                                  |        |   | X | \$70                   | 1                           |   |   |   |   |   |   |   |   |   |             |
| 204 |                           | Habitat Protection and Acquisition    | Shelter Cove, Cordova Restoration Project  | X      |   |   | \$50                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 205 |                           | Monitoring                            | Assessment of Economic Injuries to Wilderness-Based Tourism                          | X      | X | X | \$100                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 206 |                           | Monitoring                            | Post-Oil Spill Recreation-Based User Survey for PWS                                  | X      |   |   | \$58                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 207 |                           | Monitoring                            | Recreation Field Management and Monitoring   | X      | X | X | \$700                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 208 |                           | New Backcountry Recreation Facilities | Enhanced Trail Opportunities, Including Columbia and Blackstone Glacier Trails       | X      |   |   | \$150                  | 1                           |   |   |   |   |   |   |   |   |   |             |
| 209 |                           | New Backcountry Recreation Facilities | Green Island Cabin Replacement   | X      |   |   | \$20                   | 1                           |   |   |   |   |   |   |   |   |   |             |
| 210 |                           | New Backcountry Recreation Facilities | Improve Marine Parks   | X      | X | X | \$100                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 211 |                           | New Backcountry Recreation Facilities | Low Impact Recreation Development Nellie Juan, College Fiord Wilderness Study Area   | X      |   |   | \$100                  | 1                           |   |   |   |   |   |   |   |   |   |             |
| 212 |                           | New Backcountry Recreation Facilities | Prince William Sound Campground  | X      |   |   | \$70                   | 1                           |   |   |   |   |   |   |   |   |   |             |
| 213 |                           | New Backcountry Recreation Facilities | Public Use Cabins in State Marine Parks  | X      | X | X | \$150                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 214 |                           | New Backcountry Recreation Facilities | PWS Kayak Trail  | X      |   |   | \$100                  | 1                           |   |   |   |   |   |   |   |   |   |             |
| 215 |                           | New Backcountry Recreation Facilities | PWS Recreation Facilities  | X      |   |   | \$250                  | 1                           |   |   |   |   |   |   |   |   |   |             |
| 216 |                           | Option Not Identified                 | Development of Gulf of Alaska Recreation Plan  |        | X | X | \$140                  | 1                           |   |   |   |   |   |   |   |   |   |             |
| 217 |                           | Option Not Identified                 | Implement Prince William Sound Area Recreation Plan                                  | X      |   |   | \$400                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 218 |                           | Option Not Identified                 | Sustainable Tourism in PWS   | X      |   |   | \$240                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 219 |                           | Option Not Identified                 | Watchable Wildlife   | X      | X | X | \$65                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 220 |                           | Option Not Identified                 | Increased Access PWS   | X      |   |   | \$100                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 221 |                           | Plan Commercial Recreation Facilities | Recreation Development   | X      | X | X | \$200                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 222 |                           | Restoration Monitoring                |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |   |             |
| 223 |                           | Visitor Center                        | Bird and Mammal Specimens, University of Alaska Museum                               | X      | X | X | \$77                   | M                           |   |   |   |   |   |   |   |   |   |             |
| 224 |                           | Visitor Center                        | Center for PWS Oil Spill and Natural Resource Education                              | X      |   |   |                        | 1                           |   |   |   |   |   |   |   |   |   |             |
| 225 |                           | Visitor Center                        | Coastal Habitat Specimens, University of Alaska Museum                               | X      | X | X | \$310                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 226 |                           | Visitor Center                        | Cordova Environmental Education Center   | X      |   |   | \$15                   | 1                           |   |   |   |   |   |   |   |   |   |             |
| 227 |                           | Visitor Center                        | Cordova Mini-Imaginarium   | X      |   |   | \$63                   | 1                           |   |   |   |   |   |   |   |   |   |             |
| 228 |                           | Visitor Center                        | Develop Video Library of Intertidal Habitat and Biota to Assess Impacts              | X      | X | X | \$155                  | M                           |   |   |   |   |   |   |   |   |   |             |
| 229 |                           | Visitor Center                        | Environmental Education Center in PWS  | X      |   |   | \$90                   | 1                           |   |   |   |   |   |   |   |   |   |             |
| 230 |                           | Visitor Center                        | Environmental Learning Resource Center   | X      | X | X | \$90                   | 1                           |   |   |   |   |   |   |   |   |   |             |
| 231 |                           | Visitor Center                        | Establish Natural Resource Library and Computer Support Technical Service in Cordova | X      |   |   | \$450                  | 1                           |   |   |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: C. ZABAWA  
 Phone: 410-263-0877

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
|     |                           |                                       |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 |             |
| 232 | Recreation                | Visitor Center                        | Information Center  | X           | X           | X           | \$600                  | 1                           |        |        |        |        |        |        |        |        |             |
| 233 |                           | Visitor Center                        | Interpretation of PWS   | X           |             |             | \$10                   | M                           |        |        |        |        |        |        |        |        |             |
| 234 |                           | Visitor Center                        | Maritime Wing Valdez Museum   | X           |             |             | \$150                  | 1                           |        |        |        |        |        |        |        |        |             |
| 235 |                           | Visitor Center                        | Multi-agency Library on PWS and Copper River Delta  | X           |             |             | \$150                  | 1                           |        |        |        |        |        |        |        |        |             |
| 236 |                           | Visitor Center                        | Valdez Visitor Center   | X           |             |             | \$850                  | 1                           |        |        |        |        |        |        |        |        |             |
| 237 | River Otter               | Monitoring                            | River Otter Recovery Monitoring   | X           |             |             | \$180                  | M                           |        |        |        |        |        |        |        |        |             |
| 238 |                           | Monitoring                            | Synthesis of Information on Ecology and Injury to River Otters in PWS                     | X           |             |             | \$40                   | M                           |        |        |        |        |        |        |        |        |             |
| 239 |                           | Restoration Monitoring                |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 240 |                           | Sport/trap Harvest Guidelines         | Develop Harvest Guidelines to Aid Restoration of Injured Terrestrial Mammals and Seaducks | X           | X           | X           | \$99                   | 1                           |        |        |        |        |        |        |        |        |             |
| 241 | Rockfish                  | Intensify Management                  | Develop a Rockfish Management Plan  | X           | X           |             | \$175                  | M                           |        |        |        |        |        |        |        |        |             |
| 242 |                           | Monitoring                            | Monitoring Injury to Rockfish in PWS  | X           |             |             | \$117                  | M                           |        |        |        |        |        |        |        |        |             |
| 243 |                           | Monitoring                            |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 244 | Sea Otter                 | Cooperative Prgm-Subsistence Users    |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 245 |                           | Habitat Protection (Public Land)      | Habitat Utilization by Sea Otters and Designation of Protected Areas                      | X           | X           | X           | \$83                   | M                           |        |        |        |        |        |        |        |        |             |
| 246 |                           | Monitoring                            | Monitoring of Sea Otter Population Abundance, Distribution, Reproduction, and Mortality   | X           | X           | X           | \$337                  | M                           |        |        |        |        |        |        |        |        |             |
| 247 |                           | Monitoring                            | Radio-Telemetry Project to Monitor Recovery of Sea Otters                                 | X           | X           | X           | \$450                  | M                           |        |        |        |        |        |        |        |        |             |
| 248 |                           | Monitoring                            | Sea Otter Population Dynamics   | X           | X           | X           | \$291                  | 93 - M                      |        |        |        |        |        |        |        |        |             |
| 249 |                           | Restoration Monitoring                |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |



Name: C. ZADAWA  
 Phone: 410-263-0877

1994 POTENTIAL PROJECT TITLES

Page 12

|     | RESOURCE<br>OR<br>SERVICE | RESTORATION OPTION<br>OR<br>SUBOPTION | POTENTIAL PROJECTS   | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---|-------------|
|     |                           |                                       |  | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 |   |             |
| 250 | Sea Otter                 | Study: Eliminate Oil from Mussel Beds |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
|     |                           |                                       |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
| 251 | Sockeye Salmon            | Fish Passes and Access                | Solf Lake Fish Pass  | X           |             |             | \$120                  | M                           |        |        |        |        |        |        |        |        |   |             |
| 252 |                           | Intensify Management                  | Develop and Deploy In-River Hydroacoustic Counters for Sockeye Salmon in the Kenai River |             | X           |             | \$333                  | M                           |        |        |        |        |        |        |        |        |   |             |
| 253 |                           | Intensify Management                  | Genetic Monitoring of Kodiak Island Sockeye Salmon                                       |             |             | X           | \$275                  | M                           |        |        |        |        |        |        |        |        |   |             |
| 254 |                           | Intensify Management                  | Genetic Stock Identification of Kenai River Sockeye                                      |             | X           |             | \$500                  | 93 - M                      |        |        |        |        |        |        |        |        |   |             |
| 255 |                           | Intensify Management                  | Kenai River Sockeye Salmon Restoration   |             | X           |             | \$1,000                | 93 - M                      |        |        |        |        |        |        |        |        |   |             |
| 256 |                           | Intensify Management                  | Lower Cook Inlet Sockeye Salmon Restoration and Enhancement                              |             | X           |             | \$143                  | M                           |        |        |        |        |        |        |        |        |   |             |
| 257 |                           | Monitoring                            | Ayakulik River Sockeye Salmon Escapement Evaluation                                      |             |             | X           | \$6                    | M                           |        |        |        |        |        |        |        |        |   |             |
| 258 |                           | Monitoring                            | Sockeye Salmon Overescapement  |             | X           | X           | \$641                  | 93 - M                      |        |        |        |        |        |        |        |        |   |             |
| 259 |                           | Option Not Identified                 | Restoration of the Coghill Lake Sockeye Salmon Stock                                     | X           |             |             | \$165                  | 93 - M                      |        |        |        |        |        |        |        |        |   |             |
| 260 |                           | Option Not Identified                 | Red Lake Salmon Restoration  |             |             | X           | \$72                   | M                           |        |        |        |        |        |        |        |        |   |             |
|     |                           |                                       |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
|     |                           |                                       |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
| 261 | Sport Fishing             | Recovery Monitoring                   |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
| 262 |                           | Replace Harvest Opportunities         | Fort Richardson Hatchery Improvement   |             | X           |             | \$4,200                | 1                           |        |        |        |        |        |        |        |        |   |             |
| 263 |                           | Restoration Monitoring                |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
|     |                           |                                       |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
|     |                           |                                       |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
| 264 | Subsistence               | Access to Traditional Foods           |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
| 265 |                           | Bivalve Shellfish Hatchery            |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |   |             |
| 266 |                           | Option Not Identified                 | Chenega Bay Subsistence Restoration Project (Remove Oil)                                 | X           |             |             | \$200                  | M                           |        |        |        |        |        |        |        |        |   |             |
| 267 |                           | Option Not Identified                 | Mariculture Hatchery and Research Center Feasibility Study and Design                    | X           | X           | X           | \$300                  | 1                           |        |        |        |        |        |        |        |        |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: C. ZABAWA  
 Phone: 410-263-0877

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS   | REGION |   |   | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Do Not Fund |
|-----|---------------------------|---------------------------------------|--|--------|---|---|------------------------|-----------------------------|---|---|---|---|---|---|---|---|-------------|
|     |                           |                                       |  | P      | K | K |                        |                             | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |             |
| 268 | Subsistence               | Option Not Identified                 | Mariculture Technical Center   | X      | X | X | \$2,200                | 1                           |   |   |   |   |   |   |   |   |             |
| 269 |                           | Option Not Identified                 | Seward Shellfish Hatchery  | X      | X | X | \$1,300                | 1                           |   |   |   |   |   |   |   |   |             |
| 270 |                           | Recovery Monitoring                   | Survey of Impacted Native Communities-Subsistence                                  | X      | X | X | \$700                  | M                           |   |   |   |   |   |   |   |   |             |
| 271 |                           | Replace Harvest Opportunities         | Chenega Bay Replacement Subsistence Resource Project                               | X      |   |   | \$50                   | M                           |   |   |   |   |   |   |   |   |             |
| 272 |                           | Replace Harvest Opportunities         | Chenega Chinook and Coho Release Program   | X      |   |   | \$55                   | M                           |   |   |   |   |   |   |   |   |             |
| 273 |                           | Replace Harvest Opportunities         | Port Graham Salmon Hatchery  |        | X |   | \$2,500                | 1                           |   |   |   |   |   |   |   |   |             |
| 274 |                           | Replace Harvest Opportunities         | Silver Lake Fish Hatchery  | X      |   |   | \$1,000                | 1                           |   |   |   |   |   |   |   |   |             |
| 275 |                           | Replace Harvest Opportunities         | Subsistence Harvest Replacement-Transport Subsistence Users to Unoilied Areas      | X      | X | X | \$55                   | M                           |   |   |   |   |   |   |   |   |             |
| 276 |                           | Restoration Monitoring                |  |        |   |   |                        |                             |   |   |   |   |   |   |   |   |             |
| 277 |                           | Subsistence Mariculture Sites         | Village Mariculture Project - Oyster Farming                                       | X      | X | X | \$589                  | M                           |   |   |   |   |   |   |   |   |             |
| 278 |                           | Test Subsistence Foods                | Assessment and Quality Assurance of Shellfish Resources                            | X      | X | X | \$300                  | M                           |   |   |   |   |   |   |   |   |             |
| 279 |                           | Test Subsistence Foods                | Subsistence Food Safety Testing  | X      | X | X | \$308                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 280 | Subtidal                  | Habitat Protection                    | Juvenile Spot Shrimp Habitat Identification  | X      | X |   | \$110                  | M                           |   |   |   |   |   |   |   |   |             |
| 281 |                           | Intensify Management                  | PWS Spot Shrimp Recovery Management Plan   | X      |   |   | \$715                  | M                           |   |   |   |   |   |   |   |   |             |
| 282 |                           | Monitoring                            | PWS Spot Shrimp Survey   | X      |   |   | \$90                   | M                           |   |   |   |   |   |   |   |   |             |
| 283 |                           | Monitoring                            | Injury and Recovery of Deep-Benthic Macrofaunal Communities                        | X      | X | X | \$275                  | M                           |   |   |   |   |   |   |   |   |             |
| 284 |                           | Monitoring                            | Natural Recovery Monitoring of Subtidal Eelgrass Communities in PWS                | X      |   |   | \$265                  | 93 - M                      |   |   |   |   |   |   |   |   |             |
| 285 |                           | Monitoring                            | Recovery Monitoring of Hydrocarbon-Contaminated Subtidal Marine Sediment Resources | X      | X | X | \$390                  | M                           |   |   |   |   |   |   |   |   |             |
| 286 |                           | Monitoring                            | Subtidal Recovery Monitoring   | X      | X | X | \$400                  | M                           |   |   |   |   |   |   |   |   |             |
| 287 |                           | Restoration Monitoring                | Experimental Studies of Interaction Between Subtidal Epifaunal Invertebrates       | X      | X | X | \$90                   | M                           |   |   |   |   |   |   |   |   |             |
| 288 | Technical Services        | Administration                        | Electronic Archiving of Exxon Valdez Records                                       | X      | X | X | \$450                  | M                           |   |   |   |   |   |   |   |   |             |
| 289 |                           | Administration                        | Geographic Information System Mapping of Natural Resources in Western PWS          | X      |   |   | \$75                   | M                           |   |   |   |   |   |   |   |   |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: C. ZABAWA  
 Phone: 410-263-0877

1994 POTENTIAL PROJECT TITLES

|     | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | Do Not Fund |
|-----|---------------------------|---------------------------------------|---|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
|     |                           |                                       |   | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 |             |
| 290 | Technical Services        | Administration                        | Hydrocarbon Data Analysis and Interpretation  | X           | X           | X           | \$105                  | 93 - M                      |        |        |        |        |        |        |        |        |             |
| 291 |                           | Administration                        | Toxicological Profile of PWS  | X           |             |             | \$150                  | M                           |        |        |        |        |        |        |        |        |             |
| 292 |                           | Public Information                    | CD-ROM Publication of Digital Spatial Data from Exxon Valdez Oil Spill Mapping Activities | X           | X           | X           | \$8                    | M                           |        |        |        |        |        |        |        |        |             |
| 293 |                           | Public Information                    | Database Integration  | X           | X           | X           | \$148                  | M                           |        |        |        |        |        |        |        |        |             |
| 294 |                           | Public Information                    | Develop User Friendly Synopsis of Oil Spill Information                                   | X           | X           | X           |                        | M                           | X      | X      | X      | X      | X      | X      | X      | X      |             |
| 295 |                           | Public Information                    | Providing Public Access to Oilspill GIS Databases Using Arcview in PC Windows Environment | X           | X           | X           | \$120                  | M                           |        |        |        |        |        |        |        |        |             |
| 296 |                           | Public Information                    | Public Access Repository for Oil Spill Geographic Information System (GIS)                | X           | X           | X           | \$100                  | M                           |        |        |        |        |        |        |        |        |             |
| 297 |                           | Public Information                    | User-Friendly GIS and Remote-Sensing Demonstration Center for Public-5 Communities        | X           | X           | X           | \$72                   | M                           |        |        |        |        |        |        |        |        |             |
|     |                           |                                       |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
|     |                           |                                       |   |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
 KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

## 1994 POTENTIAL PROJECT TITLES

[illegible]

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

## 1994 POTENTIAL PROJECT TITLES

[illegible]

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project



Name: Peter Zollars  
 Phone: 235-8925

POB 2386  
HOMER AK 99603

1994 POTENTIAL PROJECT TITLES

RECEIVED

MAY 21 1993

0141940521

EXXON VALDEZ OIL SPILL

| RESOURCE<br>or<br>SERVICE |                     | RESTORATION OPTION<br>or<br>SUBOPTION | POTENTIAL PROJECTS  | REGION |   |   | EST<br>COST/YR<br>\$K | EST<br>DURATION<br>(YEARS) | 1<br>9<br>9<br>4 | 1<br>9<br>9<br>5 | 1<br>9<br>9<br>6 | 1<br>9<br>9<br>7 | 1<br>9<br>9<br>8 | 1<br>9<br>9<br>9 | 2<br>0<br>0<br>0 | 2<br>0<br>0<br>1 | Do Not Fund |
|---------------------------|---------------------|---------------------------------------|---|--------|---|---|-----------------------|----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------|
| P<br>W<br>S               | K<br>E<br>N         | R<br>O<br>D                           |   |        |   |   |                       |                            |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 1                         | Archaeology         | Acquire Archaeological Artifacts      | Archaeological Specimens Collection, University of Alaska Museum                    | X      | X | X | \$41                  | M                          |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 2                         |                     | Acquire Archaeological Artifacts      | Nuchek Heritage Interpretive Center, Design   | X      |   |   | \$300                 | 1                          |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 3                         |                     | Habitat Protection and Acquisition    | Archaeological Site Acquisition   | X      | X | X | \$200                 | M                          | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                | ✓           |
| 4                         |                     | Intensified Management                | Coastal Archaeological Inventory and Evaluation of Archaeological Sites-Interagency | X      | X | X | \$525                 | M                          | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                | ✓           |
| 5                         |                     | Intensified Management                | Vandalized Cultural Resources--Inventory, Evaluation, Interpretation                | X      | X | X | \$400                 | M                          |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 6                         |                     | Option Not Identified                 | Restoration of Chenega Village Site   | X      |   |   | \$75                  | 1                          |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 7                         |                     | Option Not Identified                 | Site-specific Archaeological Restoration - Interagency                              | X      | X | X | \$300                 | 93 - M                     |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 8                         |                     | Public Information                    | Passports in Time-Cultural Resource Patterns in PWS                                 | X      |   |   | \$230                 | M                          |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 9                         |                     | Public Information                    | Heritage Information Replacement  | X      | X | X | \$200                 | M                          |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 10                        |                     | Public Information                    | PWS Landmarks-Evaluation and Interpretation   | X      |   |   | \$400                 | M                          |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 11                        |                     | Public Information                    | Public Education and Interpretation of Archaeological Resource                      | X      | X | X | \$400                 | M                          |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 12                        |                     | Restoration Monitoring                | Study of Petroleum Hydrocarbon Spectra at Selected Sites                            | X      | X | X | \$225                 | M                          |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 13                        |                     | Site Patrol and Monitoring            | Archaeological Site Protection-Public Education-Interagency                         | X      | X | X | \$150                 | M                          |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 14                        |                     | Site Patrol and Monitoring            | Archaeological Site Protection-Site Patrol Monitoring-Interagency                   | X      | X | X | \$210                 | M                          | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                | ✓           |
| 15                        |                     | Site Stewardship Program              | Archaeological Site Stewardship Program   | X      | X | X | \$114                 | M                          | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                | ✓                | ✓           |
| 16                        |                     | Visitor Center                        | Chugach National Forest Heritage Interpretive Center, Design                        | X      |   |   | \$1,200               | 1                          |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 17                        | Bald Eagle          | Habitat Protection                    | Identification and Protection of Important Bald Eagle Habitats                      | X      | X | X | \$262                 | M                          |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 18                        |                     | Recovery Monitoring                   | Bald Eagle Productivity Survey and Catalog  | X      | X | X | \$10                  | M                          |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 19                        |                     | Recovery Monitoring                   | Long-Term Population Monitoring for Bald Eagles                                     | X      | X | X | \$200                 | M                          |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 20                        | Black Oystercatcher | Recovery Monitoring                   | Black Oystercatcher Interaction with Intertidal Communities                         | X      | X | X | \$108                 | 93 - M                     |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 21                        |                     | Recovery Monitoring                   | Feeding Ecology and Reproductive Success of Black Oystercatchers in PWS             | X      |   |   | \$125                 | M                          |                  |                  |                  |                  |                  |                  |                  |                  |             |

EXXON VALDEZ OIL SPILL  
 TRUSTEE COUNCIL  
 ADMINISTRATIVE RECORD

OCT 02 1995

RECEIVED



Name: \_\_\_\_\_  
Phone: \_\_\_\_\_

1994 POTENTIAL PROJECT TITLES

|    | RESOURCE<br>or<br>SERVICE | RESTORATION OPTION<br>or<br>SUBORTION | POTENTIAL PROJECTS   | REGION      |             |             | EST.<br>COST/YR<br>\$K | EST.<br>DURATION<br>(YEARS) | 1      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | Do Not Fund |
|----|---------------------------|---------------------------------------|--|-------------|-------------|-------------|------------------------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
|    |                           |                                       |  | P<br>W<br>S | K<br>E<br>N | K<br>O<br>D |                        |                             | 9<br>4 | 9<br>5 | 9<br>6 | 9<br>7 | 9<br>8 | 9<br>9 | 0<br>0 | 0<br>1 |             |
| 22 | Black Oystercatcher       | Restoration Monitoring                |  |             |             |             |                        |                             |        |        |        |        |        |        |        |        |             |
| 23 | Commercial Fishing        | Habitat Protection and Acquisition    | Weir And Conservation Land Acquisition   | X           | X           | X           | \$1,100                | M                           |        |        |        |        |        |        |        |        |             |
| 24 |                           | Intensify Management                  | Establish an Ecological Basis for Restoring and Enhancing Mixed-stock Salmon Resources     | X           | X           | X           | \$385                  | M                           |        |        |        |        |        |        |        |        |             |
| 25 |                           | Intensify Management                  | Fishery Industrial Technology Center   | X           | X           | X           | \$3,500                | 1                           |        |        |        |        |        |        |        |        |             |
| 26 |                           | Intensify Management                  | Model for Capacity of Salmon Production for the Susitna Drainage                           |             | X           |             | \$150                  | M                           |        |        |        |        |        |        |        |        |             |
| 27 |                           | Intensify Management                  | Susitna River Sockeye Salmon Production Evaluation   |             | X           |             | \$300                  | M                           |        |        |        |        |        |        |        |        |             |
| 28 |                           | Monitoring                            | Thirteen Commercial Species Hydrocarbon Contamination and Injury Assessment                | X           | X           | X           | \$200                  | M                           |        |        |        |        |        |        |        |        |             |
| 29 |                           | Option Not Identified                 | Payoff Debt of Valdez Fisheries Development Association                                    | X           |             |             | \$5,000                | 1                           |        |        |        |        |        |        |        |        |             |
| 30 |                           | Recovery Monitoring                   | Recovery of Coded-Wire Tags from Pink Salmon in Commercial Catches, Hatchery Cost Recovery | X           |             |             | \$868                  | M                           |        |        |        |        |        |        |        |        |             |
| 31 |                           | Recovery Monitoring                   | Wild Fish Stock Information Assessment   | X           | X           | X           | \$50                   | M                           |        |        |        |        |        |        |        |        |             |
| 32 |                           | Replace Harvest Opportunities         | Mitigation Fishery at Kitoi Bay Hatchery on Alognak Island                                 |             |             | X           | \$45                   | M                           |        |        |        |        |        |        |        |        |             |
| 33 |                           | Replace Harvest Opportunities         | Montague Island Chum Salmon Restoration  | X           |             |             | \$80                   | M                           |        |        |        |        |        |        |        |        |             |
| 34 |                           | Replace Harvest Opportunities         | Paint River Fish Ladder Salmon Stocking Program  |             | X           |             | \$50                   | M                           |        |        |        |        |        |        |        |        |             |
| 35 |                           | Replace Harvest Opportunities         | Red Lake Mitigation  |             |             | X           | \$191                  | M                           |        |        |        |        |        |        |        |        |             |
| 36 | Common Murre              | Feasibility Study: Improve Nest Sites | Testing of the Feasibility of Enhancing Productivity                                       | X           | X           | X           | \$280                  | M                           |        |        |        |        |        |        |        |        |             |
| 37 |                           | Feasibility Study: Social Stimuli     | Restoration of Murres by Way of Behavioral Attraction and Habitat Enhancement              | X           | X           | X           | \$51                   | 93 - M                      |        |        |        |        |        |        |        |        |             |
| 38 |                           | Feasibility Study: Social Stimuli     | Restoration of Murres by Way of Transplantation of Chicks-Feasibility Study                | X           | X           | X           | \$73                   | M                           |        |        |        |        |        |        |        |        |             |
| 39 |                           | Recovery Monitoring                   | Common Murre Population Monitoring   | OUT         | X           | X           | \$191                  | M                           |        |        |        |        |        |        |        |        |             |
| 40 |                           | Reduce Disturbance                    | Reduce Disturbance Near Murre Colonies Injured by the Oil Spill                            | X           | X           | X           | \$40                   | M                           |        |        |        |        |        |        |        |        |             |
| 41 |                           | Remove Introduced Species             | Removal of Introduced Predators from Bird Colonies   | OUT         |             |             | \$460                  | M                           |        |        |        |        |        |        |        |        |             |

PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,  
KOD=Kodiak Archipelago and Alaska Peninsula, OUT=Outside Oil Spill Area

93=Funded in 1993 M=Multi-year Project

RECEIVED  
JUN 10 1994  
FEDERAL BUREAU OF INVESTIGATION  
U.S. DEPARTMENT OF JUSTICE