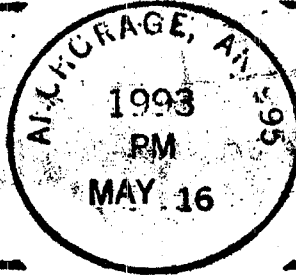


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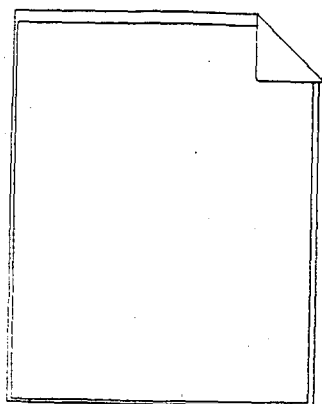
EXXON VALDEZ TRUSTEE COUNCIL
1994 Work Plan Work Group
645 "G" Street
Anchorage, Alaska 99501

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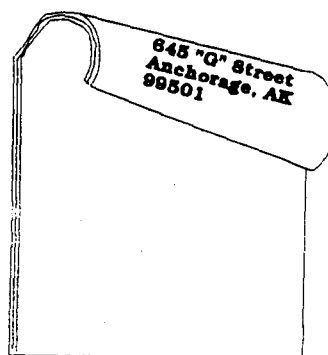
EXXON VALDEZ OIL SPILL
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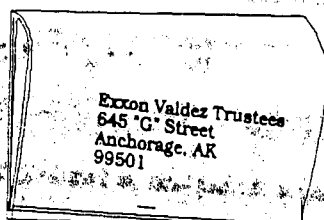
EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL



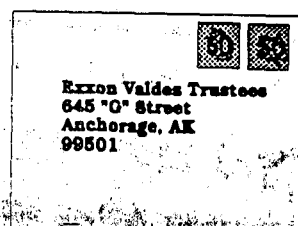
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1994 POTENTIAL PROJECT TITLES

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	RESOURCE OF SERVICE	RESTORATION OPTION OR SUBOPTION	POTENTIAL PROJECTS	REGION			EST COST/YR \$K	EST DURATION (YEARS)	1 9 9 4	1 9 9 5	1 9 9 6	1 9 9 7	1 9 9 8	1 9 9 9	2 0 0 0	2 0 0 1	Do Not Fund	
				P W S	K E N	K O 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										

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1994 POTENTIAL PROJECT TITLES

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	RESOURCE OF SERVICE	RESTORATION OPTION OF SUBORTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	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									
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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 1	
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									XXXXXX 8 4 8 5
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	✓								

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				P	K	K			9	9	9	9	9	9	0	0	
				S	E	O			4	5	6	7	8	9	0	1	
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									

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				P	K	K			9	9	9	9	9	9	0	0	
				S	N	D			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									

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			P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 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	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	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								
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									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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									

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (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									
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	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									
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															

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				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									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
185		Intensify Management	Coded Wire Tagging of Wild Stock Pink Salmon for Stock Identification	X			\$500	M									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
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
191		Monitoring	Investigating and Monitoring Oil Related Egg and Alevin Mortalities	X	X		\$686	M									X
192		Monitoring	Restoration Monitoring and Preservation of Wild Populations of Pink Salmon	X	X		\$899	M									X
193		Monitoring	Injury to Salmon Eggs and Pre-emergent Fry in PWS, Laboratory Verification	X			\$141	M									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
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								

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Name: RL Macomber
 Phone: 235 2699

1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (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	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									
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									
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	X								
211		New Backcountry Recreation Facilities	Low Impact Recreation Development Nellie Juan, Coliege 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	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									
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								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								X
231		Visitor Center	Establish Natural Resource Library and Computer Support Technical Service in Cordova	X			\$450	1									X

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 Phone: _____

1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				PWS	KEN	KOD			94	95	96	97	98	99	00	01	
232	Recreation	Visitor Center	Information Center	X	X	X	\$600	1	X	X							XXXXX
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									pp
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	X								X
242		Monitoring	Monitoring Injury to Rockfish in PWS	X			\$117	M									
243		Monitoring															
244	Sea Otter	Cooporative Prgm-Subsistence Users															pp
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									
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	X								
249		Restoration Monitoring															

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 Phone: 235-2699

1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (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									XXXXXX
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									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									

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1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	20
				P	K	K			9	9	9	9	9	9	0	0	Not Fund
				S	N	D			4	5	6	7	8	9	0	1	
268	Subsistence	Option Not Identified	Mariculture Technical Center	X	X	X	\$2,200	1									XXXXX
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			X	X					
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									XXXXX
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									XXXXX
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									

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1994 POTENTIAL PROJECT TITLES

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 1	
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									
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	✓								

Phone: _____

1994 POTENTIAL PROJECT TITLES

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1994 POTENTIAL PROJECT TITLES

Page 16

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CHENEGA BAY MARINE SERVICE CENTER (CBMSC)
EXECUTIVE SUMMARY

0032940504
RECEIVED
MAY 04 1993

Presented by Chenega Bay IRA Council

EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL

Introduction

Chenega Bay is located just north of Sawmill Bay on Evans Island in Prince William Sound (PWS), Alaska. The village of Chenega Bay, with a population of 96, was reestablished at this site in 1984 because the historic village site on Chenega Island, some 20 miles to the north, was destroyed by the 1964 earthquake and resulting tsunami.

The community of Chenega Bay has embarked upon a plan to seek significant funding for dock and port improvements with the goal of enhancing three natural advantages:

- 1) an excellent harbor, already recognized as a safe haven in bad weather;
- 2) a unique location, closer than any other settlement to the heart of the salmon-spawning habitat where the Prince William Sound fishing fleet harvests 48% of all salmon taken in Alaska;
- 3) a gateway for tourists and recreational boaters to the western part of Prince William Sound. At present, the visitor market is shut out of this whole area due to lack of harbor, fuel, and supply services. Chenega Bay is approximately 75 statute miles from both Seward and Whittier, one day's voyage for most power boats.

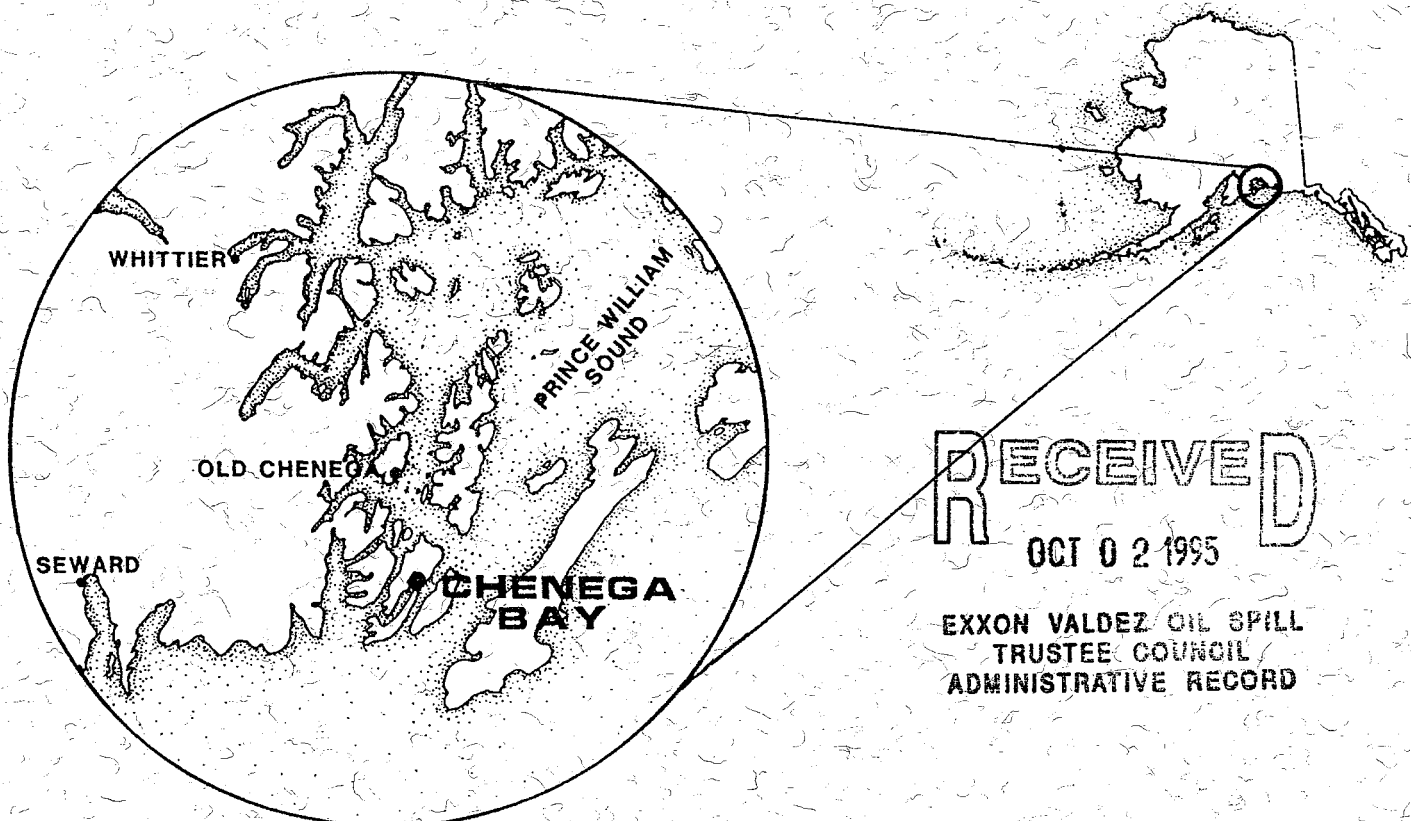
Background

The Chenega Bay IRA Council has been planning for the development of the CBMSC since 1987. The Council initiated several planning studies beginning in 1990. The

planning has been coordinated by the Council and consists of market study of PWS fishery (1991), a market demand study of fishery and recreation markets (1992), an economic forecasting and financial planning (1992), and marine facility planning and engineering (1993). The results of the planning and studies are briefly highlighted here.

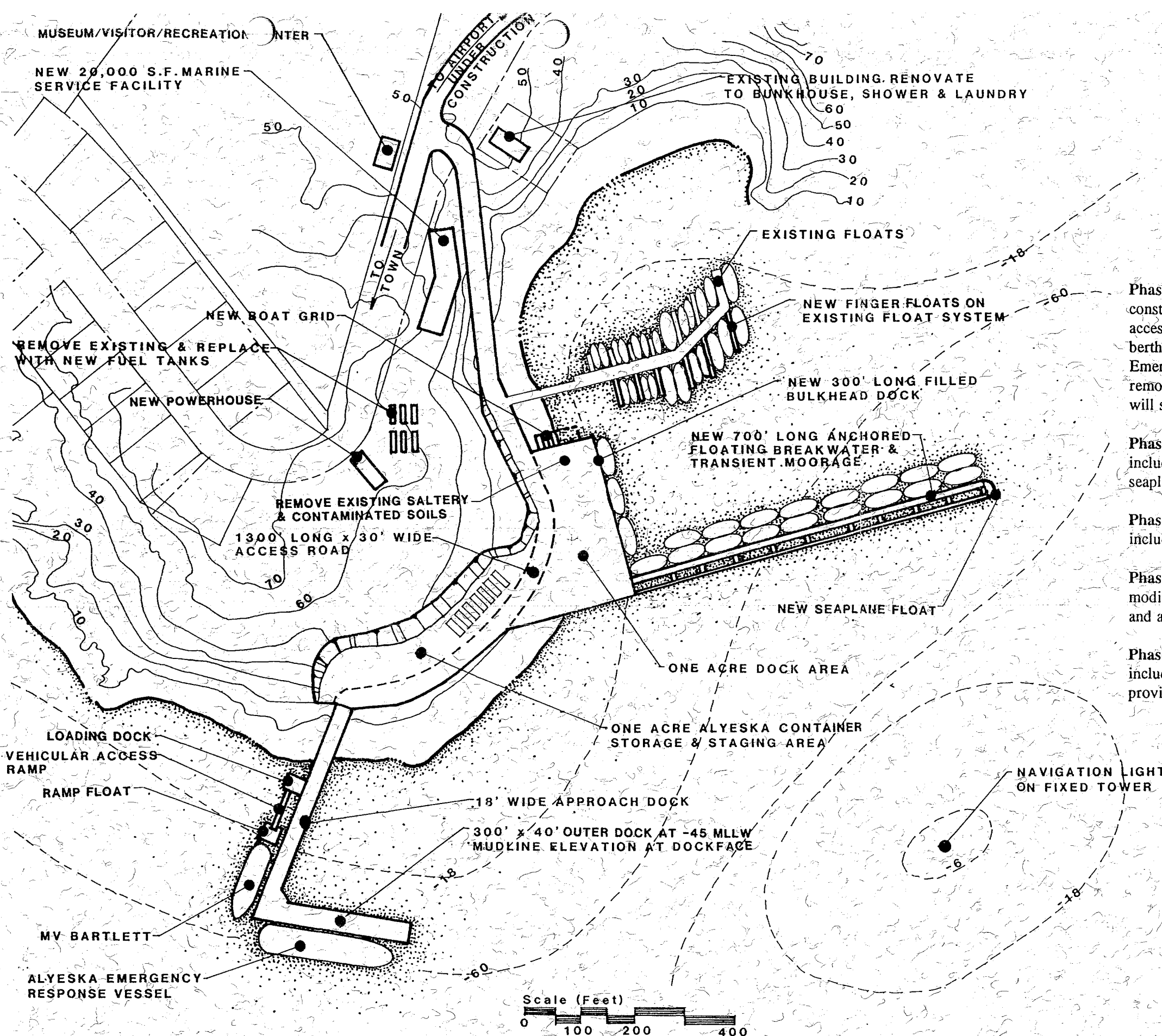
The PWS and the adjacent waters of the Gulf of Alaska are important harvest areas for commercial fishermen. There are 243 salmon purse seine vessels, with crews of four to six people, operating in PWS, and hundreds of larger longline vessels operating in the northern Gulf of Alaska. Fishing begins in April-May, peaks in August, and ends in October-November. The above-referenced studies attest to a strong and growing demand for marine services at Chenega Bay during the May-October period.

Again, according to the marketing studies, more than 420 noncommercial boats now moored in Seward and Whittier are powerful enough to make a trip to Chenega Bay a pleasant outing. In addition, the marinas of both communities dispatch thousands of boaters annually aboard vessels as diverse as kayaks and 120-foot boats outfitted for week-long excursions. As an example of demand for services in Chenega Bay, tour operators and kayak rental businesses contacted in the demand study expressed an interest in 720 hotel rooms per 120-day season. Power and sail boat clientele demand exists for 1,012 nights of lodging per season. This equates to a total need of 15 rooms per night.



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OCT 02 1995

EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL
ADMINISTRATIVE RECORD



CHENEGA BAY MARINE SERVICE CENTER PHASED CONSTRUCTION DEVELOPMENT PLAN

Phase I of the development plan focuses on removal of the abandoned saltery and construction of the outer main dock, bulkhead dock, adjacent uplands, breakwater, access road, area lighting and power, and water supply. The outer dock will allow berthing of the state ferries MV Bartlett and MV Tustemena and also Alyeska Emergency Response Vessels. The bulkhead dock will be constructed to contain fill removed to develop the one acre uplands needed for spill response supply storage and will serve as an important staging and work area for shoreside harbor activities.

Phase II of the development consists of improvements to the small boat harbor including a finger float addition to existing floats, boat grid, marine crane and a new seaplane float.

Phase III focuses on improvements to the village's supporting infrastructure and includes new fuel storage and distribution and improved power generation.

Phase IV-A creates upland amenities to service the needs of visitors and includes modification of an existing building into a bunkhouse with a shower/laundry facility, and also a museum/visitor/recreation center.

Phase IV-B completes the Chenega Bay Marine Service Center Development Plan and includes construction of the marine service facility a full service building which will provide supplies, food and lodging.

CHENEGA BAY MARINE CENTER DEVELOPMENT PLAN



Peratovich, Nottingham & Drage, Inc.
Engineering Consultants

CHENEGA BAY MARINE SERVICE CENTER PHASE FINANCING PLAN

Contained within the Alyeska Pipeline Service Company Settlement with the State of Alaska are \$14.5 million to be used in Chenega Bay and Tatitlik for docks, suitable for oil spill response and the MV Bartlett, and oil spill response staging areas including oil spill response equipment and supplies. Also mentioned in the Settlement agreement is removal of the old Saltery, in order to make way for the dock and staging area. These funds will be used to fund **Phase I** of the construction project.

The Council is also looking to **Exxon/State of Alaska Criminal Penalties Fund** for construction of portions of the CBMSC. We are looking to that fund for local resource enhancement. We are requesting that \$1.6 million be included in any appropriation from this fund to cover cost of construction of **Phases III and IV-A**.

Chenega Bay is presenting the **Exxon Valdez Trustees Council** with a proposal for construction funds as a match to the Alyeska Settlement. The request is based upon the restoration of recreation and tourism services lost on account of the Exxon Valdez oil spill (EVOS), to enhance and otherwise replace services damaged on account of the EVOS, and services to replace or substitute for injured, lost or destroyed resources and affected services. We will apply for funds from this source for construction of **Phase II and IV-B** of this project.

**CHENEGA BAY MARINE SERVICE CENTER
DEVELOPMENT PLAN
ENGINEERS ESTIMATE (FEBRUARY 1993)**

PHASE I - OUTER DOCK & UPLAND DEVELOPMENT

ITEM	UNIT	QUANTITY	PRICE	AMOUNT
SALTARY DEMOLITION	L.S.	ALL REQ'D	\$600,000	\$600,000
REMOVE CONTAMINATED SOILS	L.S.	ALL REQ'D	\$400,000	\$400,000
ACCESS ROAD	L.F.	1,300	\$150	\$195,000
ROCK EXCAVATION	C.Y.	25,000	\$12	\$300,000
BULKHEAD DOCK	L.F.	400	\$3,000	\$1,200,000
NAVIGATION MARKING	L.S.	ALL REQ'D	\$30,000	\$30,000
OUTER MAIN DOCK	S.F.	20,000	\$120	\$2,400,000
LOADING DOCK	S.F.	3,000	\$150	\$450,000
VEHICULAR RAMP	L.S.	ALL REQ'D	\$600,000	\$600,000
RAMP FLOAT	L.S.	ALL REQ'D	\$500,000	\$500,000
BARTLETT FENDERS	L.S.	ALL REQ'D	\$400,000	\$400,000
WATER TO DOCKS	L.S.	ALL REQ'D	\$300,000	\$300,000
AREA LIGHTING & POWER	L.S.	ALL REQ'D	\$300,000	\$300,000
TOTAL ESTIMATED CONSTRUCTION COST				<u>\$7,675,000</u>
ENGINEERING, INSPECTION, & ADMINISTRATION				<u>\$1,151,250</u>
TOTAL PHASE I COST				<u>\$8,826,250</u>

PHASE II - SMALL BOAT HARBOR DEVELOPMENT

ITEM	UNIT	QUANTITY	PRICE	AMOUNT
FLOATING BREAKWATER	L.F.	700	\$2,500	\$1,750,000
SEAPLANE FLOAT	L.S.	ALL REQ'D	\$50,000	\$50,000
FINGER FLOATS	L.S.	ALL REQ'D	\$150,000	\$150,000
MARINE CRANE	L.S.	ALL REQ'D	\$50,000	\$50,000
BOATGRID	L.S.	ALL REQ'D	\$200,000	\$200,000
TOTAL ESTIMATED CONSTRUCTION COST				<u>\$2,200,000</u>
ENGINEERING, INSPECTION, & ADMINISTRATION				<u>\$330,000</u>
TOTAL PHASE II COST				<u>\$2,530,000</u>

PHASE III - UPLAND INFRASTRUCTURE IMPROVEMENTS

ITEM	UNIT	QUANTITY	PRICE	AMOUNT
NEW FUEL STORAGE & LINES	L.S.	ALL REQ'D	\$250,000	\$250,000
FUEL DISTRIBUTION AT DOCK	L.S.	ALL REQ'D	\$50,000	\$50,000
NEW POWER HOUSE & GENERATORS	L.S.	ALL REQ'D	\$250,000	\$250,000
TOTAL ESTIMATED CONSTRUCTION COST				<u>\$550,000</u>
ENGINEERING, INSPECTION, & ADMINISTRATION				<u>\$110,000</u>
TOTAL PHASE III COST				<u>\$660,000</u>

PHASE IV - MARINE SERVICE FACILITIES - PART A

ITEM	UNIT	QUANTITY	PRICE	AMOUNT
MUSEUM/VISITOR/REC. CENTER	S.F.	4,000	\$120	\$480,000
RENOVATE EXISTING BLDG.	L.S.	ALL REQ'D	\$250,000	\$250,000
WATER & SEWER TO STORE	L.S.	ALL REQ'D	\$50,000	\$50,000
TOTAL ESTIMATED CONSTRUCTION COST				<u>\$780,000</u>
ENGINEERING, INSPECTION, & ADMINISTRATION				<u>\$166,000</u>
TOTAL PHASE IV COST				<u>\$936,000</u>

PHASE IV - MARINE SERVICE FACILITIES - PART B

ITEM	UNIT	QUANTITY	PRICE	AMOUNT
MARINE SERVICE FACILITY	S.F.	20,000	\$120	\$2,400,000
TOTAL ESTIMATED CONSTRUCTION COST				<u>\$2,400,000</u>
ENGINEERING, INSPECTION, & ADMINISTRATION				<u>\$480,000</u>
TOTAL PHASE IV COST				<u>\$2,880,000</u>

OVERALL PROJECT COST \$15,832,250

**PETITION
REQUESTING OIL SPILL TRUSTEES
TO REMOVE SUBSURFACE OIL
FROM SUBSISTENCE BEACHES**

To: Exxon Valdez Oil Spill Restoration Trustees

From: Undersigned Citizens of Chenega

RECEIVED
MAY 18 1993
0105940518
EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL

Our subsistence hunters and gatherers have reported very poor hunting and shellfish gathering in areas adjacent to beaches containing subsurface oil. Oil slicks have appeared near these beaches and have been released from within them. As discussed in your 1993 February Exxon Valdez symposium, this has significantly altered our village's normal food supply and has harmed numerous living creatures.

We request you to expand "General Restoration" to include restoring significant subsistence beaches to as close to prespill conditions as is reasonable during the balance of the restoration process. Many of these beaches are listed in the attached table. We are particularly concerned about dealing with subsurface oil seepage into the environment as well as surface oil deposits.

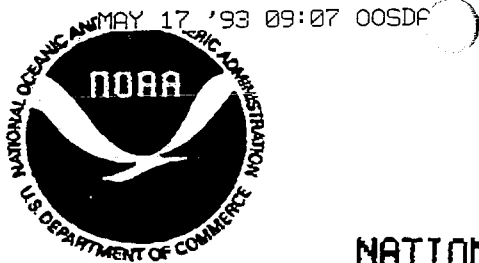
This petition is part of our commentary on the '93 and '94 Work Plans as well as the overall Restoration Plan. We call your attention to and support the letter from the Pacific Rim Villages Coalition to you addressing this issue.

CANDIDATE LIST OF SUBSISTENCE BEACHES FOR RESTORATION

Local Beach Name	ADEC Beach Number	Subsistence Species Present	Beach Composition
Bettles Island	EV-50 thru EV-54	Seals, <i>Deer</i>	Varied
Bishop Rock	EV-37 thru EV-39	Clams, Seals, Sealions, <i>Deer</i>	Sandy to boulders
Sleepy Bay	LA-15 thru LA-20	Seals, Ducks, Sealions, <i>Deer</i>	Gravel to boulders
Shelter Bay	EV-19 thru EV-24 12 & 28	Clams, Seals, Ducks, <i>Deer</i>	Fine gravel to boulders
Guguak Bay	EV-60 thru EV-70	Seals, Ducks, <i>Deer</i>	Fine gravel to boulders
North Chenega Island	CH-01 thru CH-13 22 & 23	Seals, Ducks, Sealions, <i>Deer</i>	Fine gravel to boulders
Point Helen	KN-405	Seals, Sealions, <i>Deer</i>	Gravel to boulders
Delaney Island	CH100	Seals, Eggs, <i>Deer</i>	Sandy to Boulders
Flemming Island	FL-01, 02, 04	Seals, Clams, <i>Deer</i>	Sandy to Boulders
Bainbridge	BA-02	Seals, Ducks, <i>Deer</i>	Sandy to Boulders
Elrington	ER-20	Seals, Ducks, <i>Deer</i>	Sandy to Boulders

PETITION SIGN UP LIST

SIGNATURE	DATE	PRINTED NAME	ADDRESS	VILLAGE	TELEPHONE
Alex P. Kompkoff	5/11/93	ALEX Kompkoff	Box 54	CHENEBA	N/A
Paul Kompkoff	5/11/93	Paul Kompkoff Jr	Box 8054	Cheneba	N/A
Norma J. Selanoff	5/11/93	Norma J. Selanoff	Box 8014	Cheneba Bay	573-5119
Charles P. Selanoff	5-11-93	CHARLES P. SELANOFF	Box 8014	CHENEBA Bay	573-5119
Mary A. Kompkoff	5-11-93	MARY A. KOMPKEFF	Box 8002	CHENEBA	573-5133
Patrick Selanoff	5-11-93	Patrick Selanoff	Box 8022	Cheneba	573-5124
Eddie Lerchakoff	5/11/93	Eddie Lerchakoff	Box 8025	Cheneba	573-5124
Dorene Elshansky	5/11-93	Dorene Elshansky	Box 8021	Cheneba	573-5117
Cheryl Elshansky	5-11-93	Cheryl Elshansky	Box 8031	Cheneba	573-5140
George Elshansky	5-11-93	George Elshansky	Box 8021	Cheneba	573-5117
Carol A. Wilson	5/11/93	CAROL A. WILSON	PO Box 8005	Cheneba Bay	573-5133
Lydia Turner	5/11/93	Lydia Turner	Box 8023	Cheneba Bay	N/A
Stephanie Kompkoff	5/11/93	Stephanie Kompkoff	Box 8053	Cheneba Bay	none
John Totemoff	5/11-93	JOHN TOTEMOFF	Box 8021	Cheneba Bay	573-5352
Maggie Totemoff	5/11-93	MAGGIE TOTEMOFF	Box 8021	Cheneba Bay	573-5352
Charles W. Totemoff	5-11-93	Charles W. Totemoff	Box 8043	Cheneba Bay	573-5118
Patricia Barker	5-11-93	Patricia Barker	Box 8065	Cheneba Bay	573-5112
Darrell Totemoff	5-11-93	Darrell Totemoff	Box 8061	C/B	573-5322
Donald P. Kompkoff	5/11/93	Donald P. Kompkoff	Box 8034	C/B	573-5131
Joyce L. Kompkoff	5-11-93	Joyce L. Kompkoff	Box 8056	Cheneba Bay	573-5201
Gail A. Kompkoff	5-11-93	Gail A. Kompkoff	Box 8034	Cheneba Bay	573-5131
Frank Gurske	5-11-93	FRANK GURSKIE	Box 8012	Cheneba	573-5152
Susan Gurske	5-11-93	SUSAN GURSKIE	Box 8012	Cheneba	573-5152
Sally Gurske	5-11-93	Sally Gurske	PO Box 8012	Cheneba	N/A
Steve Ward	5-11-93	Steve Ward	PO Box 8024	Cheneba	573-5152
Verna Ward	5-11-93	Verna Ward	PO Box 8024	Cheneba	573-5152
Douglas Totemoff	5-11-93	Douglas Totemoff	PO Box 8024	Cheneba	573-5152
Verna Totemoff	5-11-93	Verna Totemoff	PO Box 8024	Cheneba	573-5152
Larry Evansoff	5-11-93	LARRY EVANSOFF	Box 8003	CHENEBA Bay	573-5317



P.1/4
UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration

NATIONAL MARINE FISHERIES SERVICE
OFFICE OF OIL SPILL DAMAGE ASSESSMENT AND RESTORATION

P.O. 210029
11305 GLACIER HWY
BUKE BAY, ALASKA 99821

TELEPHONE: (907) 789-6600
FAX: (907) 789-6608

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MAY 18 1993

EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL

RAPIDFAX TRANSMISSION: 3 PAGES TO FOLLOW

DATE: 5/17/93

FROM: John Strand

TO: Barbara Tsech

FAX NUMBER: CACI

SUBJECT: Chenaga Village comments - Restoration

COMMENTS - I was not sure that Dave Gibbons received this. Please verify that either David or Rebecca has receipted for (logged-in) their comments. Thanks.



CHENEGA CORPORATION

Post Office Box 60
Chenega Bay, Alaska 99574-0060
(907) 573-5118

May 17, 1993

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MAY 20 1993
EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL

Exxon Valdez Oil Spill
Trustees Council
645 "G" Street
Anchorage, Alaska 99501

EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL
ADMINISTRATIVE RECORD

RE: General Restoration Planning for Subsistence Beaches
('93, '94 and following years)

Dear Gentlemen:

We commend the Trustees Council for initiating a thorough planning program to assure an orderly, cost effective execution of the EVOS restoration. Although the newspaper style brochure on restoration planning alternatives is organized, clear, and demonstrates a genuine concern to heed public opinion, we are disappointed that it does not consider under General Restoration subsistence beach restoration, ideally to baseline level as stated among the settlement objectives. The most similar activity seems to be the proposed and worthwhile mussel bed decontamination.

Chenega's subsistence hunters have reported continuously poor harbor seal hunting since the spill in historically abundant habitats. We are not persuaded this is due fully to a regional seal decline, but probably is exacerbated by the oil spill. Hunters in Chenega continue to report blind or abnormally behaving seals. Traditionally hunters always have been able to come home with a few ducks if nothing else is available, but even this is no longer possible.

Chenega hunters note continual seepage of oil from intratidal and storm berm subsistence beach areas listed on attachment A of this letter. They believe that this continuing contamination reduces subsistence species abundance either by their avoidance of slicks, toxic effects on these species, possibly through contact or ingestion of oiled prey, or a combination of both. The papers presented at the February '93 EVOS symposium by many of your scientific personnel point out damage due to reoiling and continuing contamination by further releases of oil driven deeply into beaches. Dr. Fall's paper points out that subsistence protein harvests at Chenega continue at around 145 pounds per capita, while before EVOS this number was about 350 pounds per capita. We understand also that people in the Kodiak area are being troubled

EVOS Trustees Council
May 17, 1993
Page 2

by tar balls released from their beaches. Perhaps this also has a subsistence impact. Recreationists and tourists also avoid these oiled areas. Harmful impacts probably occur to other services and resources.

We understand that initial EVOS cleanup focused on surface oil removal because of the acute impact of this oil, the higher cost of removing subsurface oil, the ignorance of technology for such removal, and the agencies belief that technologies proposed would have such a harmful impact that the "net benefit" would be negative. These may have been reasonable arguments during the spill emergency and at the time of the decision to terminate the cleanup. The emergency is over.

We are now engaged in RESTORATION. There is a budget of perhaps \$600,000,000 in unencumbered funds and a documented continuing contamination problem that impacts the subsistence economy. A significant portion of the Prince William Sound residents are convinced that a large portion of funding should be devoted to General Restoration of these beach areas by trying to return them to prespill baseline level.

Indeed, during cleanup, the ADF&G proposed disturbing relatively biologically barren boulder and cobble beaches as an acceptable impact to remove subsurface oil capable to release to the environment. Your staff has already developed earth moving technologies suitable for oiled storm berm restoration. ARCO has a patented mechanical method successfully used at Port Angeles, Washington; there are steam injection methods used in heavy oil production which may be adaptable to recovering deeper contamination; possibly subsurface bioremediation similar to subsurface bacterial oil recovery technology could be implemented. One of the best petroleum reservoir engineers in Alaska has also described a method using a simple, inexpensive, and completely benign line drive waterflood oil production technology utilizing shallow wells in the intratidal zone. All of these technologies show genuine promise and they are definitely worth consideration for testing. We are concerned that such in situ restoration methods have been prematurely discarded.

We would be happy to help you initiate an ongoing subsistence beach restoration project. We recommend that you modify the '93 Shoreline Assessment Project to include investigations of the depth (by digging and drilling), composition, and quantity of deep seated oil in the intratidal zones of beaches listed in attachment A as well as other subsistence beaches proposed by local residents from Cordova to Ivanoff Bay. We propose that you start evaluating documented restoration technologies the Fall of '93 to select and

EVOS Trustees Council
May 17, 1993
Page 3

design field tests of several technologies for the Summer of '94. One such novel technology test already planned will be Tesoro's pilot test of a chemical beach cleaner (PES-51) at Sleepy Bay in June '93. We could jointly test one or more of the other technologies listed above suited to boulder/cobble beaches. Using data from such tests, it should be possible to evaluate technology practicality and to devise a budget for a multiyear general subsistence beach restoration program focusing on subsurface oil starting in '95. We would like to accelerate this program, but feel the reality of funding such a process through the Court, other government processes etc. will not allow a full scale operation before '95.

We are enormously concerned that various restoration alternatives have been proposed allocating hundreds of millions of dollars for habitat acquisition, but few projects (except 71 through 74 for '94) have been proposed for General Restoration of beaches to baseline levels. We do not think such beach restoration will be easy or cheap, but we feel it is possible, desirable, and merits equal attention to habitat acquisition.

We would be happy to discuss these ideas from a conceptual and management viewpoint at your convenience.

Very truly yours,

PRVC OWNERS REPRESENTATIVES

By: Charles W. Totemoff
Charles W. Totemoff

CWT:cb/pr/5-17trus.ltr

ATTACHMENT A

<u>Local Beach Name</u>	<u>ADEC Beach Number</u>	<u>Subsistence Species Present</u>	<u>B e a c h Composition</u>
Bettles Island	EV-50 thru EV-54	Seals, Deer	Varied
Bishop Rock	EV-37 thur EV-39	Clams, Seals, Sealions, Deer	Sandy to boulders
Sleepy Bay	LA-15 thru LA-20	Seals, Ducks, Sealions, Deer	Gravel to boulders
Shelter Bay	EV-19 thru EV-24 12 & 28	Clams, Seals, Ducks, Deer	Fine gravel to boulders
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Point Helen	KN-405	Seals, Sealions, Deer	Gravel to boulders
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Flemming Island	FL-01, 02, 04	Seals, Clams, Deer	Sandy to boulders
Bainbridge	BA-02	Seals, Ducks, Deer	Sandy to boulders
Elrington	ER-20	Seals, Ducks, Deer	Sandy to boulders



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

May 19, 1993

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MAY 21 1993
0146940521
EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL

Dear Trustee Council:

Enclosed are comments that should be considered in the 1994 work program. The Chugach Alaska Corporation and the Chugach Heritage Foundation strongly supports the follows projects:

• **The Nuchek Heritage Interpretive Center, Design**

- Restoration of Chenega Village Site.
- Archaeological site protection - site Patrol Monitoring (by the Native Corporations)
- Archaeological site Stewardship Program (by the Native Corporations)
- The building of local Native Museums and Cultural centers at the sites of Eyak, Chenega, Tatitlek and Nuchek.
- (New project) Funding for the re-burial of (30) prehistoric Native remains in Prince William Sound.
- (New project) If it is not possible to stop the cutting of certain tracts of land, than the next best idea may be to fund an extensive reforestation program.
- (New project) Archaeological survey of areas along the tanker route that has not been investigated. This information would be very useful in the event of another spill.

Thank you for your consideration of these projects.

Sincerely

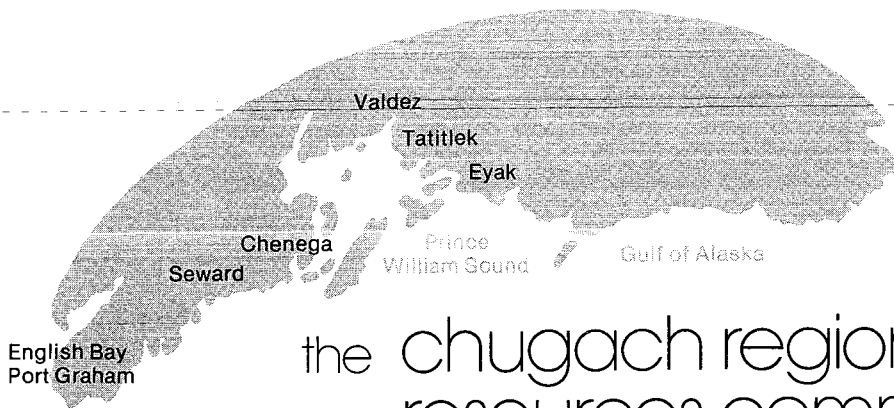

John F. C. Johnson
Cultural Resource Manager

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EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL
ADMINISTRATIVE RECORD

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EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL



the chugach regional resources commission

May 17, 1993

Exxon Valdez Trustee Council
1994 Work Plan Work Group
645 G Street
Anchorage, AK 99501

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OCT 02 1995

EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL
ADMINISTRATIVE RECORD

Dear Trustee Council Members:

Thank you for the opportunity to submit comments on the list of potential projects to be included in the 1994 Restoration Work Plan. The Chugach Regional Resources Commission (CRRC) is a Native tribal consortium incorporated within the state of Alaska concerned with natural resource issues in the Chugach region in southcentral Alaska. Its seven member board has one representative appointed by the governing body of each of the seven Native communities in the region. These include the villages of Port Graham, Nanwalek, Chenega Bay, Tatitlek and Eyak and the Seward (Quetecak) and Valdez Native Associations.

It is difficult to comment on a list of project titles without having sufficient backup information to determine whether or not a project should be funded. We have therefore limited our comments to those projects that we know are important to residents of the Chugach Native region. In addition to our comments on the matrix you provided, CRRC is submitting the following four projects to the Trustee Council to be included in the 1994 Restoration Work Plan:

1. Village Mariculture Project
2. Port Graham Pink Salmon Development Project
3. Intertidal Clam Restoration and Enhancement Project
4. Nanwalek Sockeye Enhancement Project

We believe that priorities for restoration funding should be spent in the following manner:

1. Environmental monitoring and impact studies on fish and shellfish which reside or migrate in the oil spill zone. Fund to FY 2000.
2. Oil removal and mitigation efforts requested by local residents in the spill zone. Fund FY 94-95.



3. Restoration or enhancement of lost locally consumed food resources which were found in the oil spill zone prior to the spill. Fund FY 94-2000
 - a. salmon, herring
 - b. shellfish
 - c. bottomfish
4. Restoration or replacement of lost resource dependent activities in the oil spill zone including marine supply, docks, land parcels, deeds or leases, and commercial fisheries services. FY 94-2000
5. Alternative restoration, replacement and enhancement of damaged resources such as roads, fish ladders, trail improvements, fuel subsidies, fisheries enhancement, community project grants, improving existing access to resources, cultural preservation. FY 94-2000
6. Research & Development Foundation for post FY 2000 funding of oil spill restoration projects related to the 1989 spill.
7. Replacement of resources damaged by the 1989 spill by acquiring critical habitat parcels for public domain status.

No moneys should be spent outside the EVOS region until data supports recovery of damaged fisheries.

Thank you for this opportunity to provide comments on the list of potential projects to be included in the 1994 Restoration Work Plan.

Sincerely,



Tasha Chmielewski,
Executive Director

cc: Village Councils and Associations

Encl

Project Title: Intertidal Clam Restoration and Enhancement Program
Project Category: Intertidal Restoration
Project Type: Fish and Shellfish
Lead Agency: Alaska Department of Fish and Game
Cooperating Agencies: Chugach Regional Resources Commission
Project Term: Multi-phase, ongoing

INTRODUCTION

The extent of the damage caused by the oil emission on sub-tidal organisms is unknown. Nor is it known to what extent damage has occurred from the Spill at the above-tidal and interior habitat level. Many mussel and clam beds were directly impacted by the Spill and the safety of consuming shellfish and bottomfish near the spill trajectory is of concern. The Chugach Regional Resources Commission, Village Councils and Associations and residents of the Spill region have undertaken initiatives to replace lost fish and shellfish resources and restore confidence in resource dependent activities. Restoration programs for communities that depend on coastal resources are designed with project goals stressing community benefit and cohesion as opposed to individual enterprise.

WHAT

The scope of this project will be limited to restoring village resources in the Chugach Region. This project consists of "reseeding" clam beds damaged or destroyed by the EVOS or developing new ones in lieu of lost beds. The technique employed is a widely practiced form of semi-intensive bottom culture.

Baseline data collection is necessary for permitting and administrative planning of this program. Necessary surveys and data collection including genetic testing for broodstock development for this program will be conducted as directed by ADF&G. Community participation in site surveys and site selection is important for program goal attainment.

Initial target areas identified by villagers as traditional use (pre-1989) beds are Passage Island/Tulcan & Duncan sloughs, Russian Point, Dogfish Bay, Tatitlek Narrows/ Boulder Bay, Bligh Island, Bishop Rocks, and Shelter Bay. Target beds or sites will be surveyed for toxicity and bi-valve habitat quality. These sites will be assessed for potential productivity and alternative sites for seeding will be investigated.

A broodstock development component will be implemented. In cooperation with University of Alaska and ADF&G personnel and pending shellfish hatchery operations, adult clams will be collected from a wild source and transported to the hatchery for development. Local or indigenous species of clams such as butter (*Saxidomus giganteus*) and pacific littleneck (*Protothaca staminea*) will be used.

A clam restoration team will be trained in clam seeding and restoration techniques. The stocking program will continue for a clam life cycle, which is approximately seven years.

Finally, a monitoring component will be initiated.

WHY

Many traditional use clam beds were oiled by the Spill disaster and rendered unfit for human consumption. Many more beds initially protected from direct oiling were

subsequently damaged by clean-up activities and seasonal reoiling of the coastline. This project is aimed at replacing lost clam resources in the Oil Spill Region.

HOW

Program Goals: Restore confidence in the safety of subsistence shellfish resources for traditional use affected by the Exxon Valdez Oil Spill.

Objective: Restore or otherwise replace lost or damaged clam resources in the Chugach Region by implementing a community operated clam restoration program.

Objectives

January 94	Program approved/funded by
May 94	Personnel hired and trained
June 94	Sites selected
October 94	Baseline studies and broodstock studies
February 95	Collect Broodstock
August 95	Site prepared and seeded

Program Components

1. Collect baseline data on affected beaches
2. Investigate regulatory, permitting and leasing requirements
3. Survey for toxicity, species composition, stock density
4. Collect adult species for broodstock development
5. Identify target sites, determine logistical requirements
6. Solicit or hire trainees and initiate training component
7. Initiate broodstock development component
8. Contract and labor operations agreements
9. Procure equipment and supplies
10. Designate team composition
11. Review of baseline data, target sites approved for stocking
12. Prep team arrives at initial target beaches, prepares beds
13. Stocking team briefed, seed/materials transported to sites
14. Preparation and stocking of beaches nearest villages
15. Preparation and stocking of remote beaches
16. Monitoring and evaluation component implemented
17. Results evaluated, presented to advisory for alterations

WHEN

Assuming project receives funding for FY 94, work on objectives will begin in January 94. Clam bed baseline data collection would begin in the summer of 1994 and a monitoring component shortly thereafter. The training component would begin in 1994. A shellfish hatchery is expected to be constructed in the summer of 1994 and be on-line sometime around September of that year. Wild clam adults would be collected from appropriate areas and transported to the shellfish hatchery for brood-stock development over the winter months. Clam seed would be available for the project the following spring 1995. Stocking of targeted beds would occur during the summer months of each year.

ENVIRONMENTAL COMPLIANCE

Pertinent state and federal permits will be obtained prior to undertaking any seeding or restoration fieldwork.

BUDGET

FY 94	
Personnel	\$75,000
Contractual	65,000
Travel	20,000
Supplies	30,000
Equipment	45,000
Other	5,000

SUBTOTAL	\$245,000
-----------------	------------------

FY 95	
Personnel	\$75,000
Contractual	40,000
Supplies	88,000
Travel	20,000
Other	5,000

SUBTOTAL	\$228,000
-----------------	------------------

FY 96	
Personnel	\$80,000
Contractual	40,000
Supplies	88,000
Other	5,000

SUBTOTAL	\$208,000
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FY 97-99	
All components, \$210,000/yr. @ 3 years	\$630,000

TOTAL FUNDING REQUEST FY 94-99	\$1,311,000
---------------------------------------	--------------------

5/17/93

Title of Project:	Village Mariculture Project
Project Category:	Restoration Enhancement
Project Type:	Fish and Shellfish
Lead Agency:	Alaska Department of Fish & Game
Cooperating Agencies:	Chugach Regional Resources Commission
Project Term:	Multi-phase ongoing

INTRODUCTION

This project involves the culture of bivalve shellfish for use as a subsistence food and for economic development in Native villages of the Chugach Native region. There are five Native villages in the region; Eyak, adjacent to Cordova; Tatitlek, in northern Prince William Sound; Chenega Bay, in southwest Prince William Sound; and Nanwalek and Port Graham, both of which are located on the southwestern tip of the Kenai Peninsula. All these villages, plus the Quetecak Native Association in Seward will participate in this project. Shellfish have long comprised a significant subsistence food resource for these villages. This resource also has commercial potential for mariculture.

The March 1989 Exxon Valdez oil spill adversely affected the waters and beaches utilized by the villagers. The oil spill affected the long-standing reliance of Chugach Native villages on the productivity of the marine habitat for their livelihood and traditional lifestyles. Damage assessment studies determined that there was injury to subsistence shellfish species, particularly clams and mussels.

Shellfish resources in the oil spill region were affected in two ways. First, the sheltered habitats that were most hospitable to shellfish were also most protected against Prince William Sound's natural cleansing action. Oil spill residues tend to persist in contaminated shellfish habitats. Second, the tendency of shellfish to accumulate, concentrate and store toxic contaminants such as polycyclic aromatic hydrocarbons (PAHS) compounds this habitat injury. An active approach to replace lost resources is needed.

The upshot is that the oil spill badly eroded community confidence in the healthfulness of this subsistence shellfish stock. It also arrested initial efforts to explore the commercial feasibility of shellfish mariculture. A pilot commercial mariculture project underway near the Chenega Bay village in 1989 was aborted because of the oil spill. Thus, the oil spill has given special impetus and urgency to ongoing efforts to initiate Native sponsored shellfish mariculture projects. Mariculture is a feasible and cost effective means to conserve, repair and enhance the natural productivity of the renewable resource base.

WHAT

The broad, long range goal of the village mariculture project is to strengthen the villages' economic well-being and self-sufficiency through the culture of shellfish stocks for subsistence and commercial harvest. This multi-phase project is aimed at replacing bi-valve resources no longer readily available to local residents. The project provides an alternative source of shellfish resources for village consumption while also providing an economic benefit to village residents adversely impacted by the spill.

Three specific project sub goals are identified to implement the long range goal to strengthen Chugach Native village and association economies and economic self-sufficiency:

1. Develop village-owned and managed commercial mariculture enterprises which will eventually provide the funds required to make the entire mariculture project self sufficient
2. Create new local opportunities for employment and earned income.
3. Restore/enhance traditional subsistence as a supplement to cash income.

CRRC has initiated start-up of oyster farms in the villages of Tatitlek, Eyak and Chenega Bay. Activities in the latter village were temporarily halted because of the EVOS. Villages have completed the first phase of the development of an initial mariculture facilities installation, initiated maintenance activities and expanded the mariculture training program for the villagers. This project will facilitate making these projects operational.

A second phase, currently underway, aims at establishing oyster farm operations at the villages of Port Graham, Seward, and Eyak and the transfer of management responsibilities of established farms from CRRC to the Villages or Native Associations themselves. First year objectives for Nanwalek, Port Graham and Seward will be to identify potential sites for mariculture operations and initiate permitting procedures required for mariculture development. Objectives for the ensuing years of the project will involve establishing mariculture operations for these villages, continued training, expanding production and continued market development.

A third phase involves the transfer of culture techniques for other bi-valves and sea vegetables to the farms in the Chugach Region. All phases require the marketing of non-subsistence shellfish products as well as financial, logistical, administrative and educational assistance for farmers and community support personnel.

WHY

This project will provide the villages of the Chugach Native region with a means to develop the local bivalve resource in a manner that provides some level of protection against manmade disasters such as the EVOS. The local marine environment offers one of the very few opportunities available to these villages for economic development. As well as being an efficient way of utilizing the local marine environment, the mariculture techniques that will be utilized in this project will allow steps to be taken to protect the shellfish that are under culture from the effects of disasters such as EVOS. Such steps could include moving the shellfish to a safe area or sinking them in subtidal water.

The project is designed to provide a long term source of income and subsistence food. It will provide a means for the villagers to maintain their traditional lifestyle in the face of increased and sometimes conflicting use of the area of the Chugach region. The project has already done through feasibility testing and is designed to become self sufficient after the development stages which will take the next five years. Development will consist of purchase and installation of seed and equipment, training interested villagers in mariculture techniques, and setting up a management structure in each village to take over the project after the development stage. Since the project will lead to a commercially viable operation, it is more likely to be self supporting in the future and ultimately require less restoration funding. The mariculture operations in each village are community based and owned by the local government entity.

HOW

The basic strategy for the village mariculture projects will be to concentrate initially on oyster culture. The reasoning is that oyster seed is readily available for culturing, there is a good market for oysters grown in Alaska, and oyster have proven to be an acceptable substitute for local shellfish species (oyster are not indigenous to Alaska) for subsistence use. The objective will be to

set up a mariculture operation in each village that will produce about 650,000 marketable oyster per year.

The feasibility of establishing mariculture projects in the Native villages of the Chugach region has been tested extensively in Tatitlek, Chenega Bay and Eyak with very encouraging results. In addition, data collected from the Port Graham/Nanwalek area and from potential sites in the vicinity of Seward suggest the mariculture would be successful in these areas as well.

For those villages that already have permitted mariculture areas, the procedure will be to establish new oyster culture operations or increase existing operations to commercial production levels. A mariculture specialist will be retained to organize the operations in these villages, help put together village crews for training and initiate a training program that will run concurrently with the development of the mariculture operations. Mariculture development plans, required as part of the permitting process, will be followed in setting up and developing the culture sites.

For those villages without permitted sites, initial efforts will concentrate on locating suitable sites and submitting permit applications. Criteria used for locating sites will include the presence of residual oil, the amount of tidal flow, level of protection from adverse weather, upland ownership and ease of access from the village. It may be that for some reason it is determined that mariculture is not practical or feasible for a particular village at this time. In this case the village will be dropped from the project.

In addition to oysters, there is good potential for the culture of clams and scallops as well as the availability of good markets for these products. Clams and scallops are also important for subsistence use. It is hoped that this project can investigate the potential for clam and scallop mariculture however a reliable source of seed needs to be established before this can happen.

The bulk of the cost for this project will go to training village residents in mariculture and in establishing a management structure for each village. In order to have an effective program it will be necessary to maintain these aspects of the project. Some cost savings could be realized by reducing the amount of seed and culture equipment. However, this would result in village projects with inefficient levels of production.

PHASE I: CRRC offers training and financial assistance to host villages of Tatitlek, Chenega and Eyak. Oyster spat are placed in lantern nets and suspended on long lines in near shore waters in spring and tended throughout the year by local farmers. The oysters are grown to market size in 14-18 months and are then harvested, cleaned, packed and shipped to market. It takes two to three years for a farm to produce a reliable, marketable product.

PHASE II: New oyster farms are initiated in Port Graham, Seward and Eyak with training and start-up capitalization. Business management responsibility for established farms is transferred from CRRC to the villages. Pilot culturing of scallops, blue mussel, clam, and laminara is initiated where most feasible.

ENVIRONMENTAL COMPLIANCE

To obtain a permit a mariculture site must meet the criteria set forth in the Corps of Engineers general permit for mariculture projects in Alaska (GP 91-7). They must also be in compliance with the local coastal zone management plan. An environmental impact analysis has not been necessary for permitted mariculture sites.

WHEN

The 1989 start-up of the Chenega farm was temporarily halted by the EVOS and reinitiated in 1992. Oyster farming in Tatitlek began in 1991. Permits are now being sought for new farms. An on-line shellfish hatchery with broodstock development will accelerate success of this project.

For villages without permitted mariculture sites:

March 1 - March 30, 1994	Identify suitable sites
March 1 - April 30, 1994	Apply for mariculture permits
March 1 - March 30, 1995	Obtain permits

For villages with permitted sites:

Jan 1 - Dec 31, 1994	Organize village crew, set up training schedule and initiate training
Jan 1 - Jan 31 1994	Order culture equipment and seed
March 1 - June 30, 1994	Install culture equipment and seed
March 1 - March 30, 1994	Initiate ongoing maintenance schedule for mariculture operations
Ongoing	Continue training and maintenance

Second Year

January 1995	Order new seed
March 1 - June 30, 1995	Install new seed
July 1995 - ongoing	Sort out market sized oysters from first year seed and place in intertidal hardening area
August 1995 - ongoing	Begin to market oysters
Ongoing	Training and maintenance

The remaining years of the project will concentrate on increasing production efficiency in order to bring each village operation to the 650,000 marketable oyster per year level, and to increase marketing effort and improve transport.

BUDGET (\$K)

Personnel	\$ 7.5
Travel	0.0
Contractual	556.8
Commodities	0.0
Equipment	0.0
Capital Outlay	0.0
 Sub-total	 \$564.3
 General Administration	 24.8
 Project Total	 \$589.1

Title of Project: Nanwalek Sockeye Salmon Enhancement
Project Category: Restoration, Manipulation and/or Enhancement
Project Type: Fish And Shellfish
Lead Agency: Alaska Department of Fish & Game
Cooperating Agencies: Chugach Regional Resources Commission
Nanwalek Village Council
Project Term: Multi-phase, ongoing

INTRODUCTION

The sockeye salmon return to the English Bay River near the villages of Nanwalek and Port Graham was once a primary source of subsistence and cash for the villagers. Over the past 12 years or so the returns have been dropping steadily from the 30,000 range to the current 5,000 range. This has resulted in a complete closure of the commercial fishery and a major reduction in the number of fish allowed to be taken for subsistence.

The EVOS clean-up effort had a negative impact on the English Bay sockeye. Boom deployment during the early phases of the clean-up trapped a large number of outmigrating sockeye smolt in the boom curtain on the ebbing tides causing high levels of mortality. This, plus the loss of other subsistence resources in the area by the spill and the basic health concern that the villagers have with eating fish and marine plants from the spill area, has put emphasis on the need to build the English Bay sockeye return back up to a level that will support heavy subsistence use and a revived commercial fishery.

Studies were undertaken in 1990 by the Chugach Regional Resources Commission in cooperation with ADF&G to determine the best approach to increasing the English Bay sockeye return. It was determined that smolt production in the system was the bottleneck to increasing the returns. A smolt production pilot project was initiated in 1991 employing lake pen rearing techniques to rear English Bay sockeye fry produced in a hatchery to presmolt in net pens and releasing into the system in the late fall for outmigration the following spring. The project proved successful and has been upgraded and expanded for both 1992 and 1993.

This project is proving to be a cost effective method of increasing the return to the English Bay River system. If successful over the long run it will provide a safe, reliable and badly needed supply of salmon to meet the area's subsistence and economic needs.

WHAT

This project will help support the Nanwalek Sockeye Salmon Enhancement program. This includes expanding the project to produce adult returns of around 300,000 per year, which involves increased pen rearing capacity, an improved smolt outmigration monitoring system as well as an improved adult return monitoring system, permanent egg take facilities at English Bay and completing the sockeye incubation module at the Port Graham hatchery. This project will also pay part of the cost of operating the project until it becomes self supporting which is expected to occur by the year 2000.

WHY

This project will provide the villages of Nanwalek and Port Graham with the means to increase the local sockeye run. In the past this run has been a vital part of the economic and social fabric of these communities. With the safety and availability of other fisheries resources in the area in doubt, the need to restore and enhance this sockeye run is more important than ever. This resource has the potential of providing these villages with a safe and reliable supply of a traditional subsistence food. In addition, the project can provide a resource base to support the rejuvenation of the local set gill net fishery that was historically a principal source of cash for the villagers as well as help support the operation of the Port Graham processing plant.

HOW

The goal of the Nanwalek Sockeye Enhancement Project is to restore and enhance the sockeye return to the English Bay River system to the extent that it will support the local subsistence and commercial fisheries, provide raw material for the Port Graham processing plant and allow sufficient cost recovery from the return to cover operating expenses over the long term.

This will be achieved by creating an annual sockeye run to English Bay in the range of 300,000 adults. Lake pen rearing of sockeye fry to presmolt will be employed to produce enough smolts to create such a return. Nearly 4 million presmolt will need to be produced to achieve an adult return in the 300,000 range. Additional pen rearing systems and associated supplies and equipment as well as support facilities will need to be purchased and installed to achieve this level of production. A better egg take facility and an improved in and out migrant monitoring system must also be developed. In addition, a portion of the project operating cost will need to be covered until the program becomes self supporting.

In order to maintain the current development schedule, additional rearing modules will be installed over the next five years until the 4 million presmolt capacity is reached. Improved egg take and in and out migrant monitoring facilities will be installed as soon as possible.

ENVIRONMENTAL COMPLIANCE

Development permits for this project have been obtained including a fish transport permit and a compliance determination with the Kenai Peninsula Coastal Zone Management Plan. An environmental assessment would not appear necessary.

WHEN

FY 94

- Upgrade smolt out migration and adult escapement monitoring system
- Obtain coded wire tagging equipment to improve program evaluation
- Upgrade pen rearing system and increase capacity to 1 million smolt
- Expand sockeye incubation module at the Port Graham hatchery to 2 million eggs

FY 95

- Upgrade egg take facility

Expand sockeye incubation module at Port Graham hatchery to 4.5 million eggs
Increase pen rearing system to 1.5 million smolts

FY 96

Increase pen rearing capacity to 2 million smolts
Expand support facilities to keep up with increased production

FY 97

Increase pen rearing capacity to 3 million smolts
Expand support facilities to keep up with increased production

FY 98

Increase pen rearing capacity to 4 million smolt
Complete support facility expansion

BUDGET

FY 94		FY 97	
Personnel	\$83.1	Personnel	\$92.8
Travel	\$4.7	Travel	\$5.5
Contractual	\$45.0	Contractual	\$52.0
Equipment	\$27.0	Equipment	\$43.0
Capital Outlay	\$83.8	Capital Outlay	\$101.6
Subtotal	\$243.6	Subtotal	\$294.9
General Administration	\$10.5	General Administration	\$13.3
Project Total	\$254.1	Project Total	\$308.2
FY 95		FY 98	
Personnel	\$85.7	Personnel	\$99.1
Travel	\$5.0	Travel	\$5.5
Contractual	\$47.0	Contractual	\$55.0
Equipment	\$15.0	Equipment	\$12.0
Capital Outlay	\$74.1	Capital Outlay	\$69.8
Subtotal	\$226.8	Subtotal	\$241.4
General Administration	\$10.2	General Administration	\$10.9
Project Total	\$237.0	Project Total	\$252.30
FY 96			
Personnel	\$88.3		
Travel	\$5.5		
Contractual	\$47.0		
Equipment	\$35.0		
Capital Outlay	\$66.8		
Subtotal	\$242.60		
General Administration	\$10.9		
Project Total	\$253.50		

Title of Project: Port Graham Pink Salmon Enhancement
Project Category: Restoration, Manipulation and/or Enhancement
Project Type: Fish and Shellfish
Lead Agency: Alaska Department of Fish & Game
Cooperating Agencies: Chugach Regional Resources Commission
Port Graham PNP Hatchery Corporation
Project Term: Multi-phase, ongoing

INTRODUCTION

The salmon processing plant in Port Graham had been the main source of employment for the residents of Port Graham and Nanwalek for many years. Because the oil spill caused a sharp reduction in the number of salmon available for processing in 1989 the Port Graham plant was forced to close. It has not been operated since. The closure of the plant has had an enormous adverse economic impact on both Port Graham and Nanwalek. Both villages are anxious to get the plant operating again.

One of the requirements of getting the processing plant back into operation will be creating a local return of salmon to provide the plant with a sufficient supply of raw material. The local wild salmon run (Port Graham River) is insufficient to meet the needs of the plant plus it too was impacted by the oil spill. Boom deployment in Port Graham during the spill clean-up killed large numbers of fry as they migrated out of the river. These losses have adversely effected the 1990 and 1992 pink salmon returns.

A pink salmon hatchery is currently being built at Port Graham that will result in the creation of a 3.5 million pink salmon adult return annually. This run will be used to enhance the Port Graham River return, support the local commercial and subsistence fisheries and supply the processing plant. Hatchery operating costs for the long term will be covered by selling up to one third of the return for hatchery use. The hatchery will also be used to produce sockeye fry for the Nanwalek sockeye project.

Hatchery development began in 1990 with a feasibility study. Successful completion of the study resulted in the construction of a small hatchery in the net loft of the processing plant and an egg take of 3 million pink salmon eggs in 1991. Hatchery capacity was expanded to 20 million eggs for the 1992 return, however, the poor wild return to the Port Graham River (the hatchery broodsource) precluded the taking of any eggs for the hatchery. Capacity has been expanded to 30 million eggs for the 1993 season and a 20 million to 30 million egg take is planned.

WHAT

This project will pay for the completion of the Port Graham hatchery. This includes expanding pink salmon incubation capacity from the current 30 million eggs to 110 million eggs, finishing off the sockeye salmon module for the Nanwalek project and constructing a permanent broodstock holding and egg take facility. This project will also pay for part of

the operating costs of the hatchery until it becomes self sufficient. Hatchery self sufficiency is expected to occur in 1998 if the current development schedule can be maintained.

WHY

This project will provide a resource base which will be used by the villages of Nanwalek and Port Graham to rejuvenate both the social and economic structure that had been severely impaired as a result of EVOS. It will provide a safe and reliable supply of salmon for subsistence use, help support the local seine and gill net fisheries and provide a sufficient supply of salmon to justify reopening the Port Graham processing plant.

The project has already gone through feasibility testing and will become self sufficient after the development stage. This enhancement program is community based and controlled by the Port Graham village council.

HOW

The goal of the Port Graham pink salmon enhancement program, of which this project is a part, is to help restore and enhance the pink salmon resource in Port Graham so that it will again support the local subsistence and commercial fisheries, provide sufficient raw material to justify reopening the Port Graham salmon processing plant and allow sufficient cost recovery from the enhanced returns to support the operation of the enhancement program over the long term.

In order to maintain the current development schedule the hatchery will need to achieve its maximum permitted incubation capacity of 110 million eggs by June, 1995. In order to accomplish this additional incubation space will have to be constructed as well as the broodstock holding and egg take facility. In addition, a portion of the hatchery operating cost will need to be covered until the hatchery becomes self supporting. This project is intended to cover those costs.

Approximately 4,000 square feet of additional hatchery space will be required to accommodate the additional 80 million eggs that will be needed to achieve maximum permitted capacity. Associated incubation equipment and supplies will also be needed. The need for the additional space will be met by adding on to the existing processing plant and dedicating this addition to hatchery use.

A floating broodstock holding and eggtake facility will be needed to hold the 192,000 adult pink salmon needed to produce a 110 million egg take. This facility will require a supply of fresh water to aid in the egg ripening process. The fresh water will be supplied by repairing an existing dam that was once used to supply water to the processing plant, and running a supply line out to the holding facility.

The preliminary design work has been completed and most of the permits obtained for this project. Once funding is received final design work will be completed, all necessary permits obtained and bids let so that construction can commence during the 1994 season.

ENVIRONMENTAL COMPLIANCE

The hatchery at Port Graham already has all the federal and state permits required for a private nonprofit hatchery in Alaska. It has also been determined to be in compliance with the Kenai Peninsula Coastal Zone Management Plan. An environmental assessment would not appear necessary.

WHEN

This project will observe the following schedule, assuming that funds are appropriated for FY 94.

October 1, 1993 to February 1, 1994:	Final design and permitting
February 1, 1994 to March 15, 1994:	Bid requests for portions of project that require extensive construction
March 30 1994:	Bids awarded
April, 1994 to November 1994	Construction; order equipment and supplies
November 1994 to July 1995	Install equipment; make facilities operational
October 1, 1994 to September 30, 1998	Help support hatchery operational costs

BUDGET

FY 94		FY 95	
Personnel	\$97.5	Personnel	\$102.0
Travel	\$12.5	Travel	\$7.5
Contractual	\$57.0	Contractual	\$45.0
Commodities	\$112.5	Commodities	\$85.0
Equipment	\$117.7	Equipment	\$110.0
Capital Outlay	\$840.0	Capital Outlay	0.0
Subtotal	<u>\$1,237.2</u>	Subtotal	<u>\$349.5</u>
General Administration	\$54.4	General Administration	\$15.2
Project Total	<u>\$1,291.6</u>	Project Total	<u>\$364.7</u>

FY 96 through FY 98

Personnel	\$110.0
Travel	\$7.5
Contractual	\$45.0
Commodities	\$85.0
Equipment	\$25.0
Capital Outlay	0.0
Subtotal	<u>\$272.50</u>
General Administration	\$12.0
Project Total	<u>\$284.5</u>

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Name: Chugach Regional Resources Commission
Phone: 562 4155 or 6647

1994 POTENTIAL PROJECT TITLES

7	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			4	5	6	7	8	9	0	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									
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

Name: _____
Phone: _____

1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	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										
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										

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93=Funded in 1993 M=Multi-year Project

Name: Chugach Regional Resources Commission
 Phone: 562-6647 or 4155

1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (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									
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									

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93=Funded in 1993 M=Multi-year Project

Name: _____
Phone: _____

1994 POTENTIAL PROJECT TITLES

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (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	✓	✓	✓	✓	✓	✓	✓	✓	

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93=Funded in 1993 M=Multi-year Project

Name: Chugach Regional Resources Commission 1994 POTENTIAL PROJECT TITLES
 Phone: 562-4355 or 6647

	RESOURCE OF SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST COST/YR \$K	EST DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				PWS	KEN	KOD			94	95	96	97	98	99	00	01	
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									
			Intertidal Clam Restoration and Enhancement	X	X		\$250	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									

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1994 POTENTIAL PROJECT TITLES

	RESOURCE OF SERVICE	RESTORATION OPTION OF SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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									

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Name: Chugach Regional Resources Commission
 Phone: 512-4155/ 6647

1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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															

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	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									

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
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 Fjord 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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 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															

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	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									
		Option Not Identified	Nanwalek Sockeye Salmon Enhancement		X		\$250	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	✓								

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497 4 747 4 4

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				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	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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 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									

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Name: _____
Phone: _____

1994 POTENTIAL PROJECT TITLES

[illegible]

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1994 POTENTIAL PROJECT TITLES

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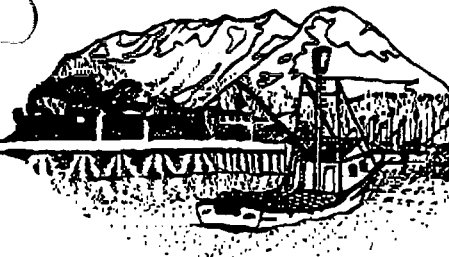
PWS=Prince William Sound, KEN=Kenai Peninsula and Cook Inlet,
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0056940510

Message: Copy to all T.C. Members, please.

CITY OF CORDOVA



May 10, 1993

Charles E. Cole, Trustee
EVOS Trustee Council
P.O. Box 110300
Juneau, Alaska 99811-0300

Dear Mr. Cole:

Enclosed is a copy of Resolution 93-25 passed by the Cordova City Council requesting emergency funding for two coded wire tag projects and a herring population survey for Prince William Sound. There are too many unanswered questions regarding the health of our fisheries resources and we ask that you lend your support for funding these critical projects.

In addition, we also wish to extend an invitation to you and the other members of the EVOS Trustee Council to visit Cordova and meet the people of our community. We appreciated having the recent opportunity to meet with your representatives from the Restoration Team to discuss options of the Draft Restoration Plan. However, we feel that it would be even more beneficial for you to personally visit Cordova and meet with us to talk about our concerns regarding the Exxon Valdez oil spill and its effects on the Sound, our fish and wildlife resources, and our community.


We extend this invitation in hope of establishing an open working relationship with you and the other members of the Trustee Council. It is critical that we begin working more closely toward constructive solutions to address the needs of the resources and services damaged by the Exxon Valdez oil spill.

We look forward to meeting with you and encourage your support for funding the coded wire tag projects and the herring population survey.

Sincerely,
CORDOVA DISTRICT FISHERMEN UNITED


Mary L. McBurney,
Executive Director

Sincerely,
CITY OF CORDOVA


Charles K. Weaverling,
Mayor

RESOLUTION 93-25
City of Cordova

WHEREAS residents of the City of Cordova are very dependent, for both subsistence and economic reasons, on the natural resources of Prince William Sound, and

WHEREAS the 1989 Exxon Valdez oil spill polluted the waters and beaches of Prince William Sound with heavy crude oil, forced the closure of commercial herring and salmon fishing seasons and dramatically limited the subsistence harvest, and

WHEREAS management of natural resources requires a good understanding of the biological interactions occurring in the region, and

WHEREAS funding was cut in the fall/winter of 1992-93 for many research studies collecting data that could lead to that better understanding, and

WHEREAS local fisheries organizations have committed monies this spring from their own limited resources to assure that some data collection continues, and

WHEREAS the 1993 spawning biomass of herring in the Sound appears to have been less than one-fourth the magnitude of the expected return, and

WHEREAS prohibition of commercial herring fishing in 1989 due to the Exxon Valdez oil spill contributed to conditions of high abundance that may have resulted in the observed return failure in 1992, and

WHEREAS mortality rates observed among pink salmon embryos in oiled streams in western Prince William Sound have been approximately twice those observed in unoiled streams, and

WHEREAS elevated mortalities have persisted and may be attributable to chronic genetic effects which result in functional sterility among adults originating from oiled streams, and

WHEREAS this chronic genetic effect may result in significant lost production from wild pink salmon populations in western Prince William Sound alone, and

WHEREAS the 1991 returns of wild pink salmon to Prince William Sound were below average and the 1992 returns were the third lowest on record, and

WHEREAS more information is necessary to determine the cause of these extremely low returns of herring and pink salmon, and

WHEREAS opportunities have already been lost for collecting data critical for

damage assessment and restoration monitoring of Prince William Sound herring and salmon populations, and

WHEREAS further opportunities this summer and fall will be missed for important population monitoring and implementation of essential restoration measures unless some studies are funded on an emergency basis, and

WHEREAS the importance of not missing these opportunities is demonstrated by the commitment of Prince William Sound Aquaculture Corporation, Valdez Fisheries Development Association and the Alaska Department of Fish and Game to pledge more than half the funds necessary for the largest pink salmon restoration and monitoring project,

THEREFORE, BE IT RESOLVED that the Cordova City Council requests the Exxon Valdez Trustee Council to IMMEDIATELY provide emergency funds for the following studies, as the restoration of the marine environment should be the highest use of the fund:

1. **Fall 1993 Hydroacoustic, Trawl and Histological Surveys of Prince William Sound Herring** - *In the absence of a precise spawning biomass estimate, harvest quotas for fall 1993 and spring 1994 fisheries will be set at conservatively low levels. Emergency funding is requested for quantitative hydroacoustic and trawl surveys in fall feeding areas to more accurately estimate the standing stock biomass and to collect herring tissue samples to evaluate fish health. Surveys and sample collection will occur from September 1 to October 30, 1993. The study will be administered by the Alaska Department of Fish and Game and subcontracted to appropriate entities.*

It should be recognized that funding in 1994 and later years of additional tagging or stock identification studies to determine stock movements will significantly enhance the value of information gathered from this project. Additionally, funding for this project should NOT be considered as replacement of the preferred method of abundance estimation, namely spring spawn deposition SCUBA surveys (which were not funded this year). Amount requested: \$180,000 for Hydroacoustics and tissue sampling.


2. **Coded wire tag recoveries from commercial catches, cost recovery catches and hatchery brood stocks in Prince William Sound pink salmon fisheries.** *This project makes in-season estimates of the contributions of wild and hatchery stocks of pink salmon to commercial and cost recovery harvests and documents their temporal and spatial distribution. Contribution, timing and distribution data are used in-season by fisheries managers to modify fishing patterns, reduce fishing effort on fish returning to oiled streams, and insured that desired levels of spawning escapement are achieved for these populations. The total cost for this project in FY93 was \$773,600.*

Prince William Sound Aquaculture Corporation, Valdez Fisheries Development Association, and the Alaska Department of Fish & Game have pledged \$100,000, \$26,200 and \$81,600 for the FY94 (1993 fishery) program. Approximately \$200,000 of matching funds are required to conduct a reduced but effective tag recovery program in Prince William Sound in 1993.
Matching Amount requested: \$200,000

3. **Coded wire tag recoveries from commercial catches, cost recovery catches and hatchery brood stocks in Prince William Sound chum, sockeye, coho and chinook salmon fisheries.** *The Trustee Council expended funds to tag wild sockeye salmon smolt in 1989, 1990, and 1991 and hatchery releases of chum, sockeye, chinook and coho salmon in 1989 and 1990. A large portion of the tagged returns of chum, sockeye and chinook salmon will be returning in 1993. Rehabilitation of the sockeye salmon run to Coghill Lake, and management of other wild sockeye and chum populations are dependent upon the catch contribution, timing and distribution data from this tag recovery project.*
Amount requested: \$ 245,200.

BE IT FURTHER RESOLVED that the Cordova City Council extends an invitation to the Trustee Council to meet in Cordova either in May, prior to the gillnet season opening on the Western side of the Sound, or in September, when the fishing season is coming to a close.

PASSED AND APPROVED THIS 5th DAY OF May 1993



Charles K. Weaverling, Mayor
City of Cordova
P.O. Box 1210, Cordova, AK 99574

Kind of a moot point
since monies have
already been spent.

15.2.4 28C



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SEWARD AK
99664
MAY 19 1993
AMOUNT

\$0.75
00015698-07

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

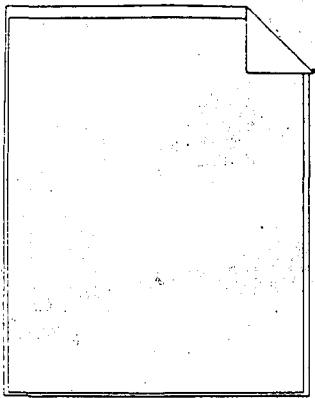
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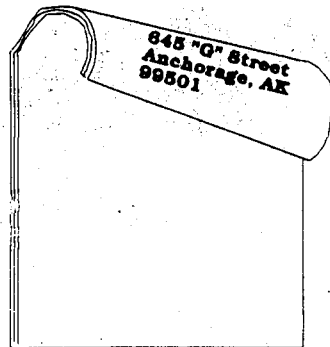
EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL

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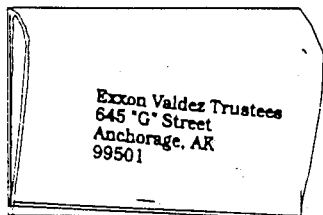
EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL
ADMINISTRATIVE RECORD



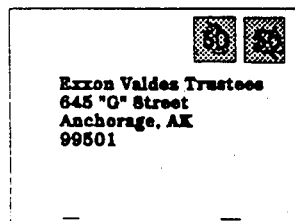
Please Stack Your Comment
Sheets On Top Of This Page....



Fold This Page Over Your Comment
Sheets....



Then Staple or Tape Sheets
Together....



Attach Correct Postage

Name: CLEMENS
 Phone: 224-3571

1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST COST/YR \$K	EST DURATION (YEARS)	1	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 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										✓
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										✓

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1994 POTENTIAL PROJECT TITLES

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 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										
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	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									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
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	✓	✓							✓

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
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									✓

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1994 POTENTIAL PROJECT TITLES

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				P W S	K E N	K O D			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									/

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1994 POTENTIAL PROJECT TITLES

Page 6

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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									

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				P	K	K			9	9	9	9	9	9	0	0	
				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									✓
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									✓

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	0 2
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															

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				P	K	K			9	9	9	9	9	9	0	0	
				S	N	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									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
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									

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				PWS	KEN	KOD			994	995	996	997	998	999	000	001	
232	Recreation	Visitor Center	Information Center	X	X	X	\$600	1									511534
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									117
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									55
242		Monitoring	Monitoring Injury to Rockfish in PWS	X			\$117	M									
243		Monitoring															
244	Sea Otter	Cooperative Prgm-Subsistence Users															511535
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															

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	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									

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				PWS	KEN	KOD			94	95	96	97	98	99	00	01	
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									✓

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				P	K	K			9	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

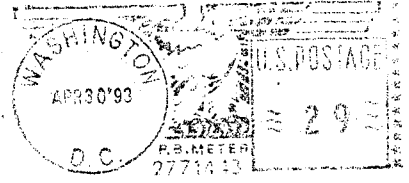
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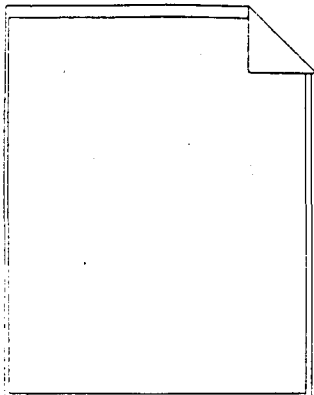
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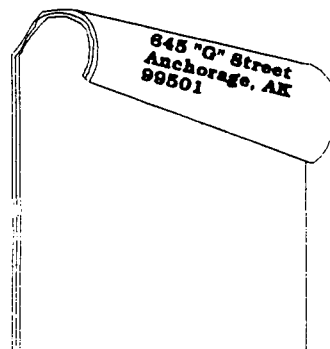
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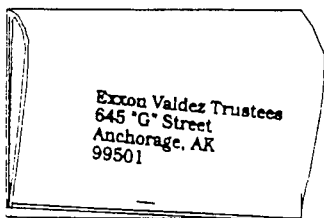
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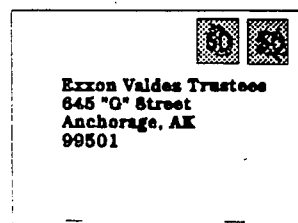
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 Phone: 202 628 3500

1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	2	2
				P	K	K			9	9	9	9	9	9	0	0	0	0
				W	E	O			4	5	6	7	8	9	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 Mar agement	Develop and Deploy In-River Hydroacoustic Counters for Sockeye Salmon in the Kenai River		X		\$333	M										
253		Intensify Mar agement	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	X									
267		Option Not Identified	Mariculture Hatchery and Research Center Feasibility Study and Design	X	X	X	\$300	1	X									

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Name: Cohen Milstein-Ruthy Kelley
 Phone: 202 628-3500

1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	2
				P	K	K			9	9	9	9	9	9	0	0	0
				W	E	O			4	5	6	7	8	9	0	1	2
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									
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									

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EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL

April 27, 1993

Exxon Valdez Trustee Council
1994 Work Plan Work Group
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EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL
ADMINISTRATIVE RECORD

Dear Sirs:

Thank you for your letter soliciting our input on projects proposed for funding by the Council utilizing restoration monies from the Exxon Valdez civil suit settlement.

The Board of Commonwealth North would like to go on record in strong support of one of the projects suggested for possible funding, the **Seward Sea Life Center**. We have reviewed this project and feel it fully meets the funding criteria and overall restoration goals. Although it is listed as a "Recreation" resource or service, the Center would provide significant educational, research and rehabilitation activities directly related to the resources and environment of the spill region.

Enclosed is a Board resolution, which was recently forwarded to the Governor and Legislature, in support of legislation utilizing Exxon oil spill settlement monies given to the State of Alaska. This legislation, if passed, would provide only partial funding for the Seward Sea Life Center.

We appreciate this opportunity to comment and hope that you will keep our organization informed of future Council activities and decisions.

Sincerely,

Dick Barnes
President

Enclosure

*Founding Co-Chairmen Governor Walter J. Hickel and the late Governor William A. Egan
Richard F. Barnes, President • Judith M. Brady, Vice President • Dr. Lee Gorsuch, Vice President
Perry Eaton, Vice President • Susan Ruddy, Secretary • Michael E. Stone, Treasurer • Bill Allen • Jane Angvik
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James Hermiller • Archbishop Francis Hurley • Marc Langland • Loren H. Lounsbury • Stephen McAlpine
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CWN BOARD RESOLUTION ON SB 183/HB 269

FUNDING FOR PROJECTS RELATING TO THE EXXON VALDEZ OIL SPILL

WHEREAS, the State of Alaska received \$50 million in restitution in a settlement of a criminal case involving the Exxon Valdez oil spill for restoration projects; and

WHEREAS, the State of Alaska received additional monies in reimbursements for certain expenditures made by the state in responding to the oil spill; and

WHEREAS, these monies were to be used for projects restoring, replacing and enhancing affected resources; acquisition of equivalent resources and services; research for the prevention, cleanup and amelioration of oil spills and other similar purposes; and

WHEREAS, SB 183 and HB 269 introduced in the Eighteenth Legislature by Governor Hickel utilizes restitution and reimbursement monies to fund projects which appear to meet the intended purposes in an effective and balanced manner; and

WHEREAS, the Board of Commonwealth North has examined in detail the proposed Sea Life Center in Seward which is proposed for funding in the legislation; and

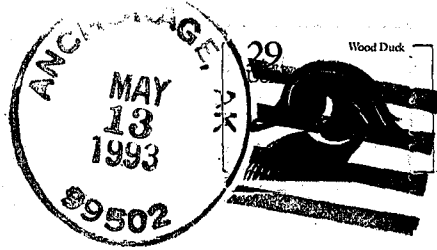
WHEREAS, the Sea Life Center would specifically meet research, rehabilitation and enhancement purposes of the criminal restitution monies in the spill areas; and

WHEREAS, the Sea Life Center would additionally result in a financially viable recreational and educational attraction which would contribute significantly to the long-term economic health of the entire region;

BE IT RESOLVED, that the Board of Commonwealth North supports the goals and expenditure of Exxon Valdez spill monies contained in SB 183 and HB 269.

BE IT FURTHER RESOLVED, that the Board of Commonwealth North strongly supports the expenditure of restitution monies from the Exxon Valdez Oil Spill Restoration Fund for the Sea Life Center proposed in Seward.

*Founding Co-Chairmen Governor Walter J. Hickel and the late Governor William A. Egan
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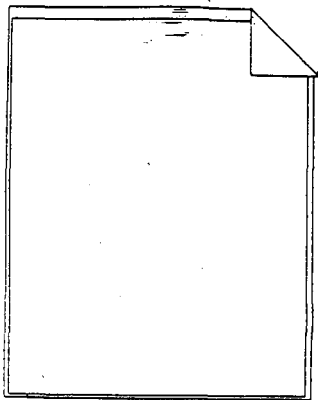
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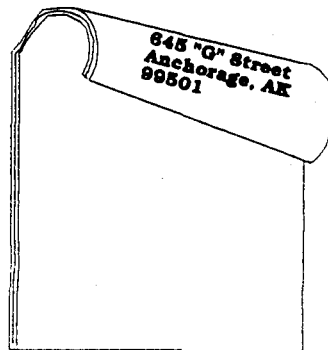
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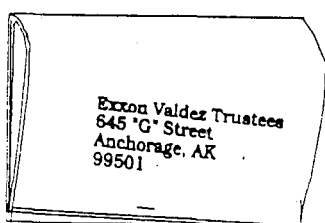
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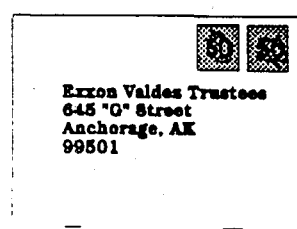
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1994 POTENTIAL PROJECT TITLES

Page 1

	RESOURCE OF SERVICE	RESTORATION OPTION OF SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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									✓
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 Identifieded	Restoration of Chenega Village Site	X			\$75	1	✓	✓	✓	✓	✓	✓	✓	✓	
7		Option Not Identifieded	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	✓	✓	✓	✓	✓	✓	✓	✓	

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1994 POTENTIAL PROJECT TITLES

	RESOURCE OF SERVICE	RESTORATION OPTION OF SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	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									✓
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									✓

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1994 POTENTIAL PROJECT TITLES

	RESOURCE OF SERVICE	RESTORATION OPTION OF SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P	X	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	✓	✓	✓	✓	✓	✓	✓	✓	
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	✓	✓	✓	✓	✓	✓	✓	✓	

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				P	K	K			9	9	9	9	9	9	0	0	
				W	E	O			4	5	6	7	8	9	0	1	
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									✓

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 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										✓

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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									✓

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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	✓	✓	✓	✓	✓	✓	✓	✓	

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				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	✓	✓	✓	✓	✓	✓	✓	✓	
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															

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				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									✓
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									✓

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
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									✓

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	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															

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				PWS	KEN	KOD			94	95	96	97	98	99	00	01	
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		X	X	X	1,000		✓	✓	✓	✓	✓	✓	✓	✓	
265		Bivalve Shellfish Hatchery		X	X	X	200		✓	✓	✓	✓	✓	✓	✓	✓	
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	✓	✓	✓	✓	✓	✓	✓	✓	

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	RESOURCE OR SERVICE	RESTORATION OPTION OR SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (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	
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										✓

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 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	✓	✓	✓	✓	✓	✓	✓	✓	

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1	RESOURCE or SERVICE	RESTORATION OPTION SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	2
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	9 2
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									

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	RESOURCE OR SERVICE	RESTORATION OPTION OR SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1 9 9 4	1 9 9 5	1 9 9 6	1 9 9 7	1 9 9 8	1 9 9 9	2 0 0 0	2 0 0 1	2 0 0 2	2 0 0 3	2 0 0 4	2 0 0 5	2 0 0 6	2 0 0 7	2 0 0 8	2 0 0 9	2 0 1 0	2 0 1 1	2 0 1 2	2 0 1 3	2 0 1 4	2 0 1 5	2 0 1 6	2 0 1 7	2 0 1 8	2 0 1 9	2 0 2 0	2 0 2 1	2 0 2 2	2 0 2 3	2 0 2 4	2 0 2 5	2 0 2 6	2 0 2 7	2 0 2 8	2 0 2 9	2 0 3 0	2 0 3 1	2 0 3 2	2 0 3 3	2 0 3 4	2 0 3 5	2 0 3 6	2 0 3 7	2 0 3 8	2 0 3 9	2 0 4 0	2 0 4 1	2 0 4 2	2 0 4 3	2 0 4 4	2 0 4 5	2 0 4 6	2 0 4 7	2 0 4 8	2 0 4 9	2 0 5 0	2 0 5 1	2 0 5 2	2 0 5 3	2 0 5 4	2 0 5 5	2 0 5 6	2 0 5 7	2 0 5 8	2 0 5 9	2 0 6 0	2 0 6 1	2 0 6 2	2 0 6 3	2 0 6 4	2 0 6 5	2 0 6 6	2 0 6 7	2 0 6 8	2 0 6 9	2 0 7 0	2 0 7 1	2 0 7 2	2 0 7 3	2 0 7 4	2 0 7 5	2 0 7 6	2 0 7 7	2 0 7 8	2 0 7 9	2 0 8 0	2 0 8 1	2 0 8 2	2 0 8 3	2 0 8 4	2 0 8 5	2 0 8 6	2 0 8 7	2 0 8 8	2 0 8 9	2 0 9 0	2 0 9 1	2 0 9 2	2 0 9 3	2 0 9 4	2 0 9 5	2 0 9 6	2 0 9 7	2 0 9 8	2 0 9 9	2 0 1 0	2 0 1 1	2 0 1 2	2 0 1 3	2 0 1 4	2 0 1 5	2 0 1 6	2 0 1 7	2 0 1 8	2 0 1 9	2 0 2 0	2 0 2 1	2 0 2 2	2 0 2 3	2 0 2 4	2 0 2 5	2 0 2 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1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	OF NOT FUND
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
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									

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST COST/YR \$K	EST DURATION (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	
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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 1	0 0 1	Do Not Fund
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										

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1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 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									

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	3
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	0 Not Fund
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									

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				P	K	K			9	9	9	9	9	9	0	0	
				W	E	O			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									
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	Pacific Herring	Restoration Monitoring	Ecosystem Study	X	X	X	\$6,000	M									
165		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	Option Not Identified	Monitoring	Larval Herring Age and Growth in PWS Using Otoliths	X			\$60	M									
170		Enhancement of Pacific Herring		X	X	X	\$120	M									
171		Restoration Monitoring															
	Pigeon Guillemot																
172		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															

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				P W S	K E N	K O D											
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 or SERVICE	RESTORATION OPTION SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	3
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	Not Fund
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 or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	2
				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 1	0 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															

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1994 POTENTIAL PROJECT TITLES

Page 12

	RESOURCE OR SERVICE	RESTORATION OPTION OR SUBORTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	C Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	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									

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MAY 13 1993

May 10, 1993

Exxon Valdez Oil Spill Trustees
645 G Street
Anchorage, Alaska 99501

EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL

Dear Gentlemen:

We the undersigned express our support for Resolution 93-25 passed by the Cordova City Council. This resolution requests funding for two salmon coded wire tag projects and a Prince William Sound herring population assessment. We encourage your support for these important fisheries projects and urge you to approve their funding.

NAME/ORGANIZATION	ADDRESS	PHONE NUMBER
Gary Thomas President, PWS Sci. Ctr.	P.O. Box 703 Cordova	(907) 424-5800, Fax -5820
Cordova Chamber of Comm.	424 7260	Box 99
Copper River/PWS Advisory Comm.	CHAIR	Box 1550 424-746
Marine Advisory Program University of Alaska - Rick Steiner	Box 830 Cordova, Ak.	424-3446

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EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL
ADMINISTRATIVE RECORD

RECEIVED

MAY 13 1993

May 10, 1993

Exxon Valdez Oil Spill Trustees
645 G Street
Anchorage, Alaska 99501

EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL

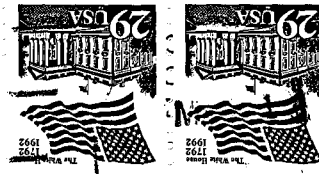
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NAME/ORGANIZATION ADDRESS PHONE NUMBER

Gary Thomas President, PWSA, P.O. Box 705
Cordova (907) 424-5800, Fax -5820

H. Dan Hull, Vice Chair, PWSAC
P. O. Box 1110
Cordova, AK 99574
907/424-7511 & FAX 424-7514
H. Dan Hull, Vice Chairman, Prince William Sound Aquaculture Corporation



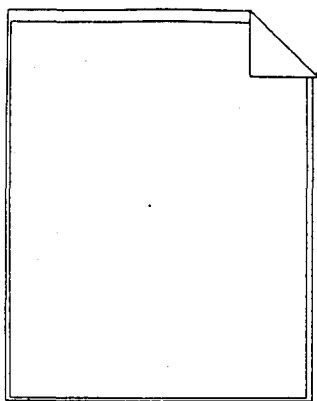
EXXON VALDEZ TRUSTEE COUNCIL
 1994 ~~Work Plan~~ Work Group
 645 "G" Street
 Anchorage, Alaska 99501

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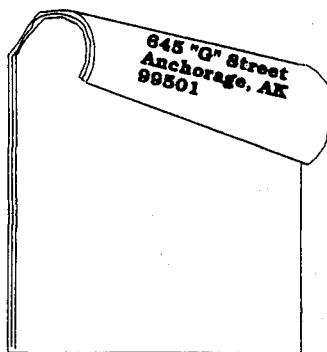
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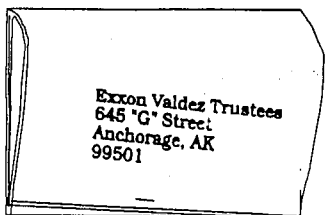
EXXON VALDEZ OIL SPILL
 TRUSTEE COUNCIL



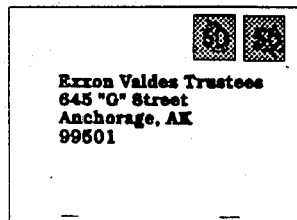
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Then Staple or Tape Sheets
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Resources: Summary of Results of Injury Assessment Studies Done After the *Exxon Valdez* Oil Spill

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.	
MARINE MAMMALS										
Harbor Seals (c)	YES (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 (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 links whale disappearance to oiling.
Sea Lions (c)	UNKNOWN	UNKNOWN	NO	CONTINUING DECLINE	(e)	(e)	(e)	(e)	(e)	Several sea lions were observed with oiled pelts and oil residues were found in some tissues. It 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 (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 unoiled 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.
TERRESTRIAL MAMMALS										
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 (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.

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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 (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 found in 1989 and 1990, but no continuing effects were observed on populations.
Black-legged Kittiwakes	YES (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 Oystercatchers	YES (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 (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 inhibited in some colonies in the Gulf of Alaska.
Glaucous-winged gulls	YES (NUMBER UNKNOWN)	NOT DETECTED	NO	NO CHANGE	NO	YES (d)	YES (d)	YES (d)	YES (d)	While dead birds were recovered in 1989, there no evidence of a population level impact when compared to historic (1972, 1973) population levels.

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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.

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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.
FISH										
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.

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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 unoled 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 unoled 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 fry 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.
SHELLFISH										
Clam	YES (NUMBER UNKNOWN)	UNKNOWN	POSSIBLY, FINAL ANALYSES PENDING	UNKNOWN	UNKNOWN	YES	YES	YES	YES	Native littleneck and butter clams were impacted by 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 unoled sites. Reduced growth recorded at oiled sites in 1989 but not 1991.

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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.
INTERTIDAL/SUBTIDAL COMMUNITIES										
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-spill densities in 1991. Leather stars and helmet crabs 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 of 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	

(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	For detailed information on village subsistence use see table __, page __.

(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)

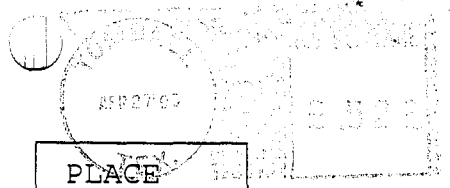
Resource	Description of Injury	Status of Recovery in December, 1992	Geographic Extent of Injury (a)				Comments/Discussion
			PWS	Kenai	Kodiak	Alaska Penin.	
Air	Air quality standards for aromatic hydrocarbons were exceeded in portions of PWS. Health and safety standards for permissible exposure levels 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. 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	
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.

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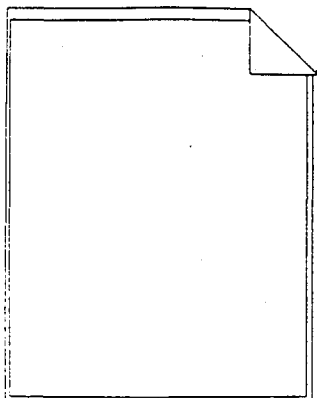
EXXON VALDEZ TRUSTEE COUNCIL
1994 Work Plan Work Group
645 "G" Street
Anchorage, Alaska 99501

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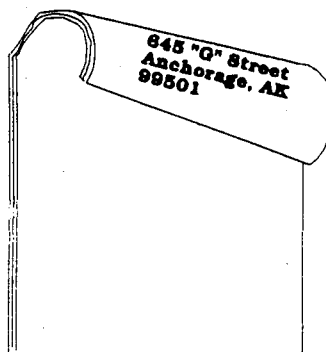
EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL
ADMINISTRATIVE RECORD

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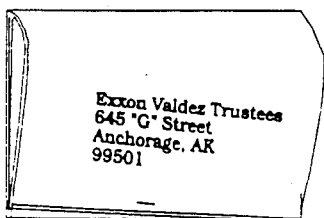
EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL



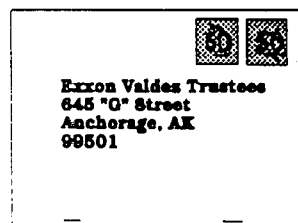
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Sheets On Top Of This Page....



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1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST COST/YR \$K	EST DURATION (YEARS)	1 9 9 4	1 9 9 5	1 9 9 6	1 9 9 7	1 9 9 8	1 9 9 9	2 0 0 0	2 0 0 1	Do Not Fund
				P W S	K E N	K O D											
1	Archaeology	Acquire Archaeological Artifacts	Archaeological Specimens Collection, University of Alaska Museum	X	X	X	\$41	M									Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
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									Z Z Z
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									Z Z
21		Recovery Monitoring	Feeding Ecology and Reproductive Success of Black Oystercatchers in PWS	X			\$125	M									

Name: _____
 Phone: _____

1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (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									N S W M Z
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									N S W M Z
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									

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1994 POTENTIAL PROJECT TITLES

	RESOURCE OF SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (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									N
43	Cutthroat/Dolly	Intensify Management	Cutthroat Trout and Dolly Varden Habitat Restoration	X			\$200	M									Z
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									Z
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									Z
59		Public Information	Science of the Sound- Education Program	X			\$53	M									
		Public Information	Ecological Harm caused by aggressive Shoreline Cleaning	X			100	1	X								
		Public Information	Cost of Data oil Contamination data Resulting from not "Finger Printing" oil Samples	X			200	1	X								
		Public Information	Occurance of natural oil seeps in PWS	X			150	1	X								

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST COST/YR \$K	EST DURATION (YEARS)	1994	1995	1996	1997	1998	1999	2000	2001	Do Not Fund
				PWS	KEN	KOD											
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									

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1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 1	
82	Intertidal	Monitoring	Monitoring Sites - Collector Beaches and Lagoons	X	X	X	\$500	M									Z
83		Monitoring	Natural Recovery of Oiled and Treated Shorelines and Monitoring	X	X	X	\$600	M	X	X	X						
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									Z
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									Z
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									Z

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1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (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	
102	Marbled Murrelet	Restoration Monitoring	Survey to Monitor Recovery of Marbled Murrelets	X	X	X	\$250	M										N
103	Multiple Resources	Habitat Protection	Habitat Modelling	X	X	X	\$150	M										N
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-Alaik 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										N

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (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									N
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									

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	DO NOT FUND
				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 1	
158	Multiple Resources	Recovery Monitoring	Survey to Determine Distribution, Abundance, and Food Habits of Staging Migratory Waterfowl	X			\$91	M									Z
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									Z
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															Z
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															

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				P W S	K E N	K O D											
176	Pink Salmon	Fish Passes and Access	Feasibility of Fish Passes as Oil Spill Restoration	X	X	X	\$25	M									N
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									N
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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 1	
202	Recreation	Habitat Protection and Acquisition	Acquisition of Recreational Sites on Kodiak Road System			X	\$500	1									N
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									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
232	Recreation	Visitor Center	Information Center	X	X	X	\$600	1									N
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									N
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									N
242		Monitoring	Monitoring Injury to Rockfish in PWS	X			\$117	M									
243		Monitoring															
244	Sea Otter	Cooperative Prgm-Subsistence Users															N
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															

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				P W S	K E N	K O D			9	9	9	9	9	9	9	0	0	
250	Sea Otter	Study: Eliminate Oil from Mussel Beds																N
251	Sockeye Salmon	Fish Passes and Access	Solf Lake Fish Pass	X			\$120	M										N
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										N
261	Sport Fishing	Recovery Monitoring																N
262		Replace Harvest Opportunities	Fort Richardson Hatchery Improvement		X		\$4,200	1										
263		Restoration Monitoring																
264	Subsistence	Access to Traditional Foods																N
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										

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				P W S	K E N	K O D											
268	Subsistence	Option Not Identified	Mariculture Technical Center	X	X	X	\$2,200	1									N
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									N
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	X								X
289		Administration	Geographic Information System Mapping of Natural Resources in Western PWS	X			\$75	M	X								

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
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									N

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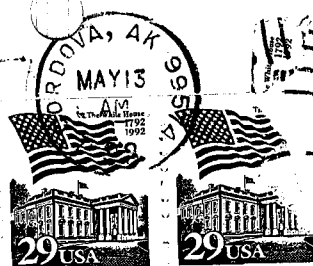
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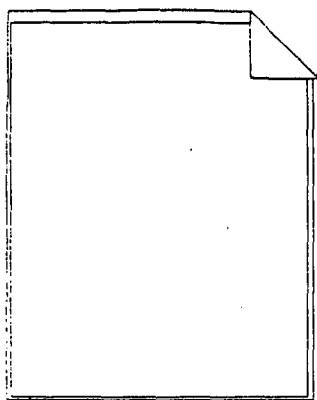
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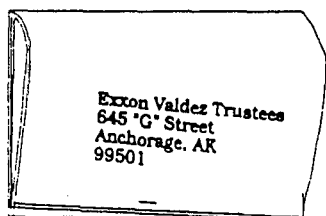
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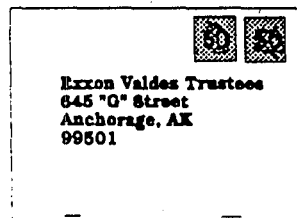
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1994 POTENTIAL PROJECT TITLES

LINE NO.	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000	3001	3002	3003	3004	3005	3006	3007	3008	3009	3010	3011	3012	3013	3014	3015	3016	3017	3018	3019	3020	3021	3022	3023	3024	3025	3026	3027	3028	3029	3030	3031	3032	3033	3034	3035	3036	3037	3038	3039	3040	3041	3042	3043	3044	3045	3046	3047	3048	3049	3050	3051	3052	3053	3054	3055	3056	3057	3058	3059	3060	3061	3062	3063	3064	3065	3066	3067	3068	3069	3070	3071	3072	3073	3074	3075	3076	3077	3078	3079	3080	3081	3082	3083	3084	3085	3086	3087	3088	3089	3090	3091	3092	3093	3094	3095	3096	3097	3098	3099	3100	3101	3102	3103	3104	3105	3106	3107	3108	3109	3110	3111	3112	3113	3114	3115	3116	3117	3118	3119	3120	3121	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151	3152	3153	3154	3155	3156	3157	3158	3159	3160	3161	3162	3163	3164	3165	3166	3167	3168	3169	3170	3171	3172	3173	3174	3175	3176	3177	3178	3179	3180	3181	3182	3183	3184	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194	3195	3196	3197	3198	3199	3200	3201	3202	3203	3204	3205	3206	3207	3208	3209	3210	3211	3212	3213	3214	3215	3216	3217	3218	3219	3220	3221	3222	3223	3224	3225	3226	3227	3228	3229	3230	3231	3232	3233	3234	3235	3236	3237	3238	3239	3240	3241	3242	3243	3244	3245	3246	3247	3248	3249	3250	3251	3252	3253	3254	3255	3256	3257	3258	3259	3260	3261	3262	3263	3264	3265	3266	3267	3268	3269	3270	3271	3272	3273	3274	3275	3276	3277	3278	3279	3280	3281	3282	3283	3284	3285	3286	3287	3288	3289	3290	3291	3292	3293	3294	3295	3296	3297	3298	3299	3300	3301	3302	3303	3304	3305	3306	3307	3308	3309	3310	3311	3312	3313	3314	3315	3316	3317	3318	3319	3320	3321	3322	3323	3324	3325	3326	3327	3328	3329	3330	3331	3332	3333	
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1994 POTENTIAL PROJECT TITLES

	RESOURCE OF SERVICE	RESTORATION OPTION OF SUBORTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (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															
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	✓	X	X	X	X	X	X	X	
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	X	X	X	X	X	X	X	X	
31		Recovery Monitoring	Wild Fish Stock Information Assessment	X	X	X	\$50	M	X	X	X	X	X	X	X	X	
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	X	X	X	X	X	X	X	X	
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 Intrcduced 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

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 OR SERVICE	RESTORATION OPTION OR SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (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	X	X	X	X	X	X	X	X	

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (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									NO
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									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
102	Marbled Murrelet	Restoration Monitoring	Survey to Monitor Recovery of Marbled Murrelets	X	X	X	\$250	M									NO
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									

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				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	X	X	X	X	X	X	X	X	
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	X	X	X	X	X	X	X	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	X	X	X	X	X	X	X	X	
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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 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	X	X	X	X	X	X	X	X	
166		Intensify Management	Herring Spawn Deposition, Egg Loss, and Reproductive Impairment	X			\$400	M	X	X	X	X	X	X	X	X	
167		Intensify Management	PWS Herring Tagging Feasibility Study	X			\$112	M	X	X	X	X	X	X	X	X	
168		Monitoring	Herring Embryo Viability Evaluation - Natural and Catastrophic Effects	X			\$189	M	X	X	X	X	X	X	X	X	
169		Monitoring	Larval Herring Age and Growth in PWS Using Otoliths	X			\$60	M	X	X	X	X	X	X	X	X	
170		Option Not Identified	Enhancement of Pacific Herring	X	X	X	\$120	M	X	X	X	X	X	X	X	X	
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															

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				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									NO
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	X	X	X	X	X	X	X	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	
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	
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	
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	
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	
188		Intensify Management	Pink Salmon Escapement Enumeration	X	X	X	\$705	M	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	
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	
191		Monitoring	Investigating and Monitoring Oil Related Egg and Alevin Mortalities	X	X		\$686	M	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	
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	
194		Monitoring	Pink Salmon Egg to Pre-Emergent Fry Survival in PWS	X			\$385	93 - M	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	
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									NO
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									

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	RESOURCE OF SERVICE	RESTORATION OPTION OF SUBOPTION	POTENTIAL PROJECTS	REGION			EST COST/YR \$K	EST DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
202	Recreation	Habitat Protection and Acquisition	Acquisition of Recreational Sites on Kodiak Road System			X	\$500	1									26
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 Fjord 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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 1	
250	Sea Otter	Study: Eliminate Oil from Mussel Beds															26
251	Sockeye Salmon	Fish Passes and Access	Solt 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									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	0 2	Not Fund
268	Subsistence	Option Not Identified	Mariculture Technical Center	X	X	X	\$2,200	1										No
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	X	X	X	X	X	X	X	X	X	No
281		Intensify Management	PWS Spot Shrimp Recovery Management Plan	X			\$715	M	X	X	X	X	X	X	X	X	X	
282		Monitoring	PWS Spot Shrimp Survey	X			\$90	M	X	X	X	X	X	X	X	X	X	
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										

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	RESOURCE OR SERVICE	RESTORATION OPTION OR SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
290	Technical Services	Administration	Hydrocarbon Data Analysis and Interpretation	X	X	X	\$105	93 - M									NO
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	X	X	X	X	X	X	X	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									
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									

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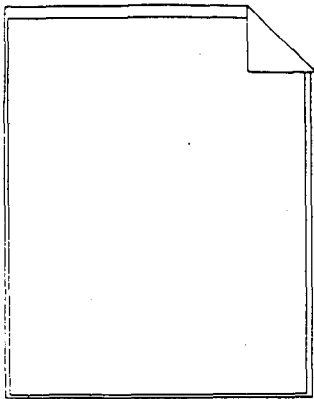
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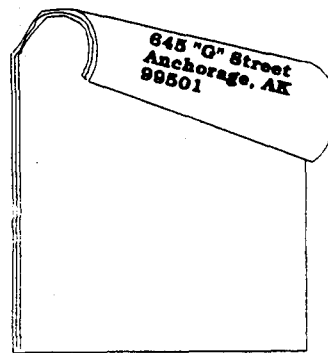
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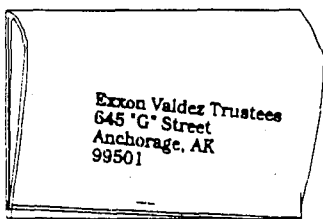
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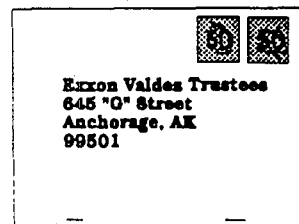
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1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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									
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							
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	X	X							
21		Recovery Monitoring	Feeding Ecology and Reproductive Success of Black Oystercatchers in PWS	X			\$125	M									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	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									
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	X								
37		Feasibility Study: Social Stimuli	Restoration of Murres by Way of Behavioral Attraction and Habitat Enhancement	X	X	X	\$51	93 - M	X	X	X						
38		Feasibility Study: Social Stimuli	Restoration of Murres by Way of Transplantation of Chicks-Feasibility Study	X	X	X	\$73	M	X	X	X						
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	X	X							
41		Remove Introduced Species	Removal of Introduced Predators from Bird Colonies	OUT			\$460	M									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 1	
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	X								
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	X								
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									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
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	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	X	X							
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	X	X							
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									

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				P	K	K			9	9	9	9	9	9	0	0	
				S	N	D			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	X	X							
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	X	X	X						
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									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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	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									
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	X								
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									

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				P W S	K E N	K O D												
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	X	X								
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	X	X								
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										

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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	X	X							
174		Restoration Monitoring															
175		Temporary Predator Control															

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1 9 9 4	1 9 9 5	1 9 9 6	1 9 9 7	1 9 9 8	1 9 9 9	2 0 0 0	2 0 0 1	Do Not Fund
				P W S	K E N	K O D											
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									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 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	X	X	X							
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	X	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	X	X							
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																

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
250	Sea Otter	Study: Eliminate Oil from Mussel Beds	(under bird / other resources)						X	X							
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								

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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	X	X								
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	X	X								
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	X									
280	Subtidal	Habitat Protection	Juvenile Spot Shrimp Habitat Identification	X	X		\$110	M	X	X								
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										

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				P W S	K E N	K O D			9 3	9 4	9 5	9 6	9 7	9 8	9 9	0 0	
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									

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

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				P	K	K			9	9	9	9	9	9	0	0	
				S	N	D			4	5	6	7	8	9	0	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
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									
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

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				PWS	KEN	KOD			94	95	96	97	98	99	00	01	
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									
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	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								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	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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 1		
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									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

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1994 POTENTIAL PROJECT TITLES

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 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															
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	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

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				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									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	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								

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				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					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									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									X
127		Habitat Protection and Acquisition	Habitat Acquisition, Afognak			X	\$112,500	1	X								

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				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					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									
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

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 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															
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															

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				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	X								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								
185		Intensify Management	Coded Wire Tagging of Wild Stock Pink Salmon for Stock Identification	X			\$500	M	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								
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								
191		Monitoring	Investigating and Monitoring Oil Related Egg and Alevin Mortalities	X	X		\$686	M									X
192		Monitoring	Restoration Monitoring and Preservation of Wild Populations of Pink Salmon	X	X		\$899	M	X								
193		Monitoring	Injury to Salmon Eggs and Pre-emergent Fry in PWS, Laboratory Verification	X			\$141	M				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								
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

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				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
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								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 Fjord Wilderness Study Area	X			\$100	1	X								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								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								X
230		Visitor Center	Environmental Learning Resource Center	X	X	X	\$90	1	X								X
231		Visitor Center	Establish Natural Resource Library and Computer Support Technical Service in Cordova	X			\$450	1									X

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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	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															

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				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								
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															
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

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1994 POTENTIAL PROJECT TITLES

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				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									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

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 1	
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								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
																	X

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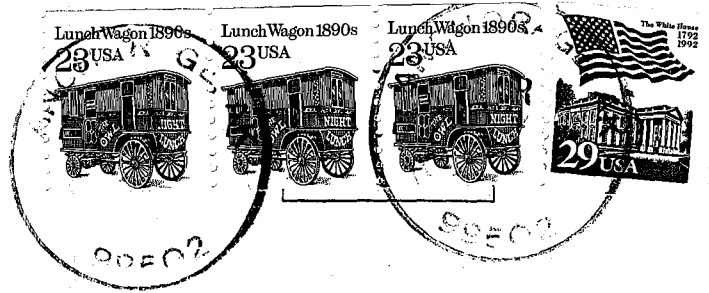
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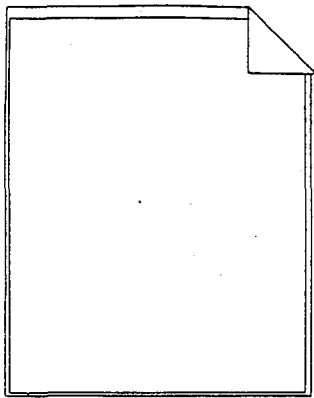
EXXON VALDEZ TRUSTEE COUNCIL
 1994 Work Plan Work Group
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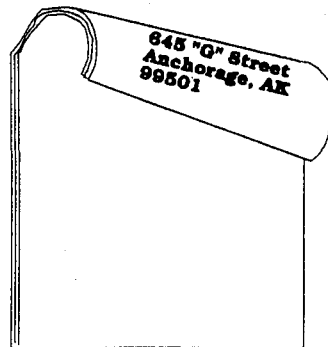
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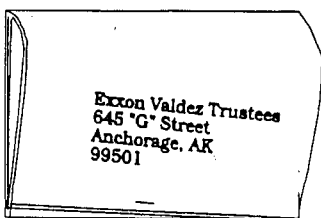
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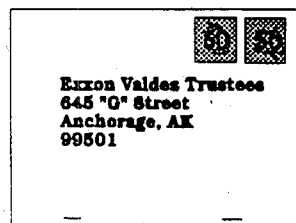
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1994 POTENTIAL PROJECT TITLES

Page 1

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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									✓
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									✓
		What has the oil spill done to ancient sites - Unless they are underwater I see no need to fund these programs.															
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	✓	✓							

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				P	K	K			9	9	9	9	9	9	0	0	
				S	N	D			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	✓	✓	✓						
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									✓ 5,000,000?
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	✓	✓							

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				PWS	KEN	KOD			94	95	96	97	98	99	00	01	
42	Common Murre	Restoration Monitoring					?	M									
							0										
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	✓								

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				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									

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				P	K	K			9	9	9	9	9	9	0	0	
				W	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									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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									

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 9 9 4	9 9 9 5	9 9 9 6	9 9 9 7	9 9 9 8	9 9 9 9	0 0 0 0	0 0 0 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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 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									✓
			<i>Studies do not accomplish restoration - actual effort does.</i>														
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															

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	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									

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	RESOURCE OF SERVICE	RESTORATION OPTION OF SUBSECTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 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															

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				PWS	KEN	KOD			94	95	96	97	98	99	00	01	
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									

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				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 <i>the Court System has them on file now.</i>	X	X	X	\$450	M									✓
289		Administration	Geographic Information System Mapping of Natural Resources in Western PWS	X			\$75	M									

*File a claim
Damage was
done!*

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 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									✓

What will the public do with
all this info?

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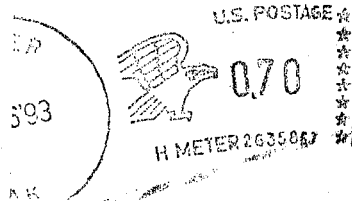
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EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL

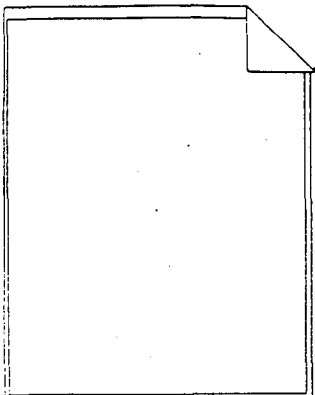


EXXON VALDEZ TRUSTEE COUNCIL
1994 Work Plan Work Group
645 "G" Street
Anchorage, Alaska 99501

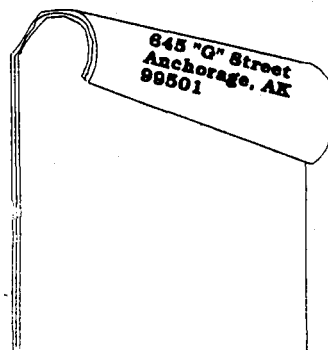
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EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL
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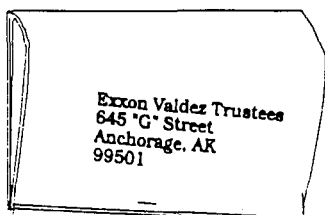
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
1015 N. G Street
Anchorage, AK 99501



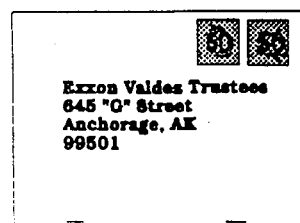
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1994 POTENTIAL PROJECT TITLES

	RESOURCE OR SERVICE	RESTORATION OPTION OR SUBOPTION	POTENTIAL PROJECTS	REGION			EST COST/YR \$K	EST DURATION (YEARS)	1	1	1	1	1	1	2	2	Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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								
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		X							
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		X							
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									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									
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									

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (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	
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										
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										
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	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										
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	X									
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	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										
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	X									
41		Remove Introduced Species	Removal of Introduced Predators from Bird Colonies	OUT			\$460	M										

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 1	
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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 1	
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									

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				P W S	K E N	K O D			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									

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1994 POTENTIAL PROJECT TITLES

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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	Kiloi 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									

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				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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 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															

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				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									
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									

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1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBORTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (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									

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				PWS	KEN	KOD			94	95	96	97	98	99	00	01	
232	Recreation	Visitor Center	Information Center	X	X	X	\$600	1		X							
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									X
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 Frgm-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									
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		X							
249		Restoration Monitoring															

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	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									

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				P W S	K E N	K O D											
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									

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				P W S	K E N	K O D			4	5	6	7	8	9	0	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									

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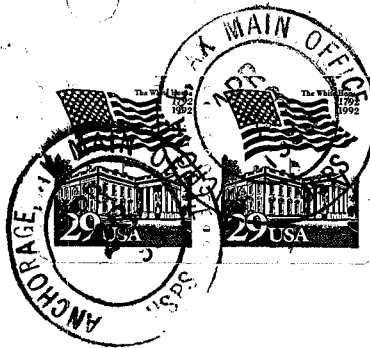
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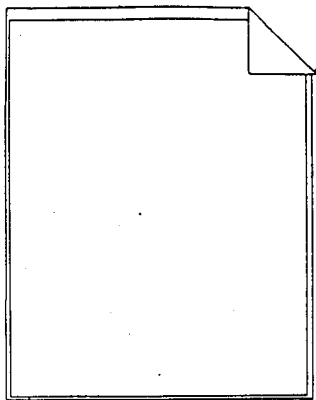
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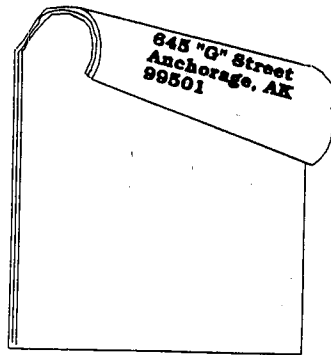
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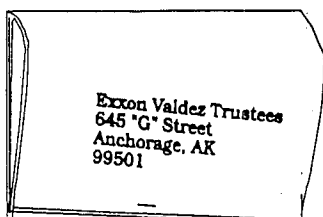
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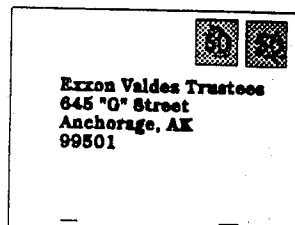
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1994 POTENTIAL PROJECT TITLES

1	RESOURCE OF SERVICE	RESTORATION OPTION OF SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 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	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	X	X							
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									X
17	Bald Eagle	Habitat Protection	Identification and Protection of Important Bald Eagle Habitats	X	X	X	\$262	M	X	X	X	X	X	X			
18		Recovery Monitoring	Bald Eagle Productivity Survey and Catalog	X	X	X	\$10	M	X	X	X	X	X	X			
19		Recovery Monitoring	Long-Term Population Monitoring for Bald Eagles	X	X	X	\$200	M	X	X	X	X	X	X			
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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 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									
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									X
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									X
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									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
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									X
45		Option Not Identified	Anadromous Cutthroat and Dolly Varden Char Habitat Inventory, Evaluation, and Restoration	X			\$35	M	X	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-- Nomlnation 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

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				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	X	X							
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	X	X	X						
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	X	X	X						
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									

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P	K	C			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	X	X	X						
96	Marbled Murrelet	Habitat Protection	Identification of Nesting Habitat Criteria and Reproductive Success for Marbled Murrelet	X	X	X	\$240	93 - M	X	X	X						
97		Habitat Protection	Survey to Identify Upland Use by Murrelets	X	X	X	\$180	93 - M	X	X	X						
98		Habitat Protection	Assessment of Marbled Murrelet Foraging Habitat Requirements During Breeding Season	X	X	X	\$250	M	X	X	X						
99		Habitat Protection	Marbled Murrelet Nesting and Feeding Site Characterization and Assessment	X	X	X	\$509	M	X	X	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									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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	X							
105		Habitat Protection	Stream Channel Capability Modeling	X	X	X	\$110	M								
106		Habitat Protection	Stream Habitat Assessment	X	X	X	\$361	93 - M	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							
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	X						
112		Habitat Protection and Acquisition	Inholdings in Alaska Peninsula National Wildlife Refuge			X		1	X	X						
113		Habitat Protection and Acquisition	Inholdings in Becharof National Wildlife Refuge			X		1	X	X						
114		Habitat Protection and Acquisition	Valdez Duck Flats	X				1	X	X						
115		Habitat Protection and Acquisition	Inholdings in Kenai Fjords National Wildlife Refuge		X		\$20	1	X	X						
116		Habitat Protection and Acquisition	Inholdings in Aniakchak National Monument and Preserve			X		1	X	X						
117		Habitat Protection and Acquisition	Kitoi Bay Hatchery Watershed Habitat Acquisition			X	\$250	1	X	X						
118		Habitat Protection and Acquisition	Acquire Olsen Bay Watershed	X			\$3,500	1	X	X						
119		Habitat Protection and Acquisition	Acquisition of Inholdings in Shuyak Island State Park			X	\$200	1	X	X						
120		Habitat Protection and Acquisition	Acquisition of Koniag Corporation Inholdings within the Kodiak National Wildlife Refuge			X	\$77,000	1	X	X						
121		Habitat Protection and Acquisition	Conservation Easement-Aialik Bay		X		\$90	1	X	X						
122		Habitat Protection and Acquisition	Conservation Easement-Chugach Bay		X		\$60	1	X	X						
123		Habitat Protection and Acquisition	Conservation Easement-Dogfish Bay		X		\$400	1	X	X						
124		Habitat Protection and Acquisition	Conservation Easement-Port Chatham		X		\$80	1	X	X						
125		Habitat Protection and Acquisition	Conservation Easement-Rock Bay		X		\$740	1	X	X						
126		Habitat Protection and Acquisition	Habitat Acquisition	X	X	X	\$25,000	93 - 1	X	X						
127		Habitat Protection and Acquisition	Habitat Acquisition, Afognak			X	\$112,500	1	X	X						

Full funding

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				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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 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															

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				P	K	K			9	9	9	9	9	9	0	0	
				W	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									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									
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									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	X							
201		Habitat Protection and Acquisition	Acquisition of Important Recreation Lands	X	X	X	\$500	M	X	X							

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				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									
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 Fjord 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	NO!	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

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				P	K	K			9	9	9	9	9	9	0	0	
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									
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	X	X	X	X					
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	X	X	X	X	X	X	X		
246		Monitoring	Monitoring of Sea Otter Population Abundance, Distribution, Reproduction, and Mortality	X	X	X	\$337	M	X	X							
247		Monitoring	Radio-Telemetry Project to Monitor Recovery of Sea Otters	X	X	X	\$450	M	X	X							
248		Monitoring	Sea Otter Population Dynamics	X	X	X	\$291	93 - M	X	X							
249		Restoration Monitoring															

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 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									

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1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBORTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (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	X	X							
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	X	X	X						
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									

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1 9 9 4	1 9 9 5	1 9 9 6	1 9 9 7	1 9 9 8	1 9 9 9	2 0 0 0	2 0 0 1	Do Not Fund
				P W S	K E N	K O D											
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

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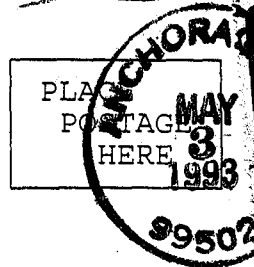
1994 POTENTIAL PROJECT TITLES

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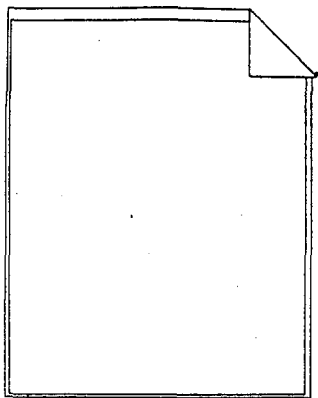
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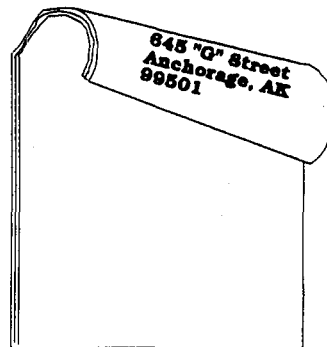
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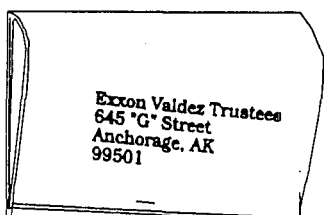
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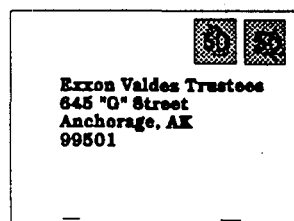
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1994 POTENTIAL PROJECT TITLES

2	RESOURCE OR SERVICE	RESTORATION OPTION OR SUBOPTION	POTENTIAL PROJECTS	REGION			EST COST \$K	EST DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 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								
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									
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									
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	X								
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	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									
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									
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									
21		Recovery Monitoring	Feeding Ecology and Reproductive Success of Black Oystercatchers in PWS	X			\$125	M									

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1994 POTENTIAL PROJECT TITLES

	RESOURCE OR SERVICE	RESTORATION OPTION OR SUBOPTION	POTENTIAL PROJECTS	REGION			EST COST/YR \$K	EST DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	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									
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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 1		
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										

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	RESOURCE OR SERVICE	RESTORATION OPTION SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 9 9 4	9 9 9 5	9 9 9 6	9 9 9 7	9 9 9 8	9 9 9 9	0 0 0 0	0 0 0 1	
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							
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									
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									

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				PWS	KEN	KOD											
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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 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	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									
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								
127		Habitat Protection and Acquisition	Habitat Acquisition, Afognak			X	\$112,500	1									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	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									

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1994 POTENTIAL PROJECT TITLES

	RESOURCE OF SERVICE	RESTORATION OPTION OF SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
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	X								
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									

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1994 POTENTIAL PROJECT TITLES

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1994 POTENTIAL PROJECT TITLES

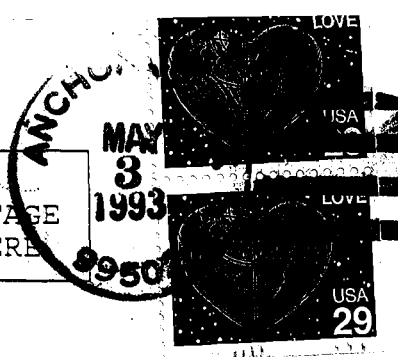
Page 16

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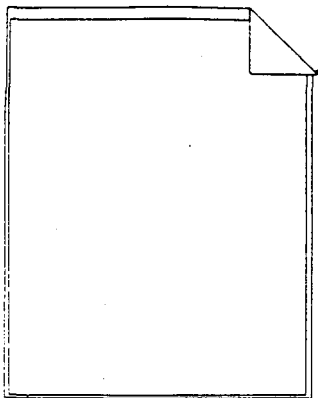
EXXON VALDEZ TRUSTEE COUNCIL
1994 Work Plan Work Group
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Anchorage, Alaska 99501

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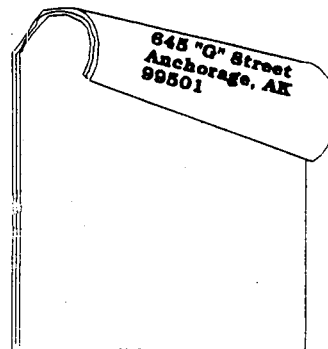
EXXON VALDEZ OIL SPILL
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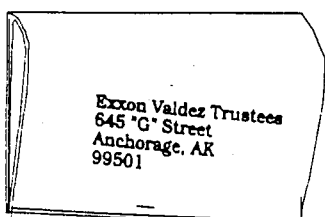
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TRUSTEE COUNCIL



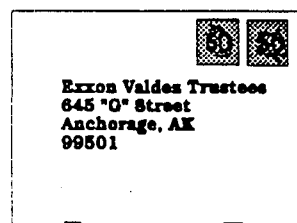
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1994 POTENTIAL PROJECT TITLES

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	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST COST/YR \$K	EST DURATION (YEARS)	1 9 9 4	1 9 9 5	1 9 9 6	1 9 9 7	1 9 9 8	1 9 9 9	2 0 0 0	2 0 0 1	Do Not Fund
				P W S	K E N	K O D											
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									

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1994 POTENTIAL PROJECT TITLES

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 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									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									
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

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	RESOURCE OR SERVICE	RESTORATION OPTION OR SUBOPTION	POTENTIAL PROJECTS	REGION			EST COST/YR \$K	EST DURATION (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									X
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									X
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									

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				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									
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									

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				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															

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	
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									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: Martin S. Conyne
 Phone: 907 271-2455

1994 POTENTIAL PROJECT TITLES

	RESOURCE or SERVICE	RESTORATION OPTION or SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				PWS	KEN	KOD			94	95	96	97	98	99	00	01	
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									
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: _____
Phone: _____

1994 POTENTIAL PROJECT TITLES

	RESOURCE OR SERVICE	RESTORATION OPTION OR SUBORTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	Do Not Fund
				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 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

April 30, 1993

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

Dear Trustees:

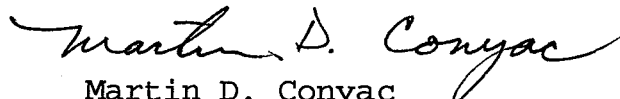
I would oppose spending money for acquiring inholdings in State and Federal lands.

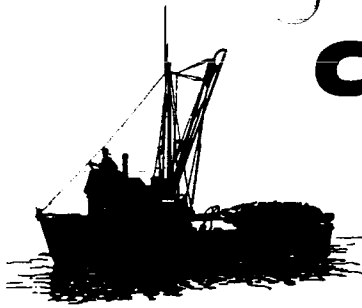
I believe that spending money for the "acquisition" of inholdings within the various State and Federal preserves seems to have little to do with remediating damage from the oil spill. Acquiring inholdings won't clean up any oil, won't restore any lost wildlife, and won't reverse any damage that has already been done.

Although the acquisitions would appear to replace lost habitat, I believe it to be a method to displace people by removing land holders from their land in the interest of the land managing agencies. Newly acquired inland land and habitat is not going to be the same as coastal land and habitat damaged by the spill, and it is likely that most of the coastal habitat damaged is not irreparably lost anyway because most will recover naturally over time. Also, the existing "inholding" habitat will persist as is, regardless of its political or ownership status. Spending money to acquire these inholdings will not "create" more habitat.

I also believe that money spent on "visitor center" projects seems excessive, given that it will do little or nothing to remediate the damage or losses caused by the oil spill.

Money for the above proposed purposes would be better spent by investing in things that will have permanent long-term economic benefit and stimulation to the State and National economy, such as constructing roads into currently inaccessible areas for the purpose of promoting natural resource development, development of towns and villages, and tourism. As an alternative the money could be placed in trust to be used for other future oil spills or natural disasters that are, by nature, inevitable.


Martin D. Conyac
Anchorage, Alaska



Cook Inlet Seiners Association

P.O. Box 4311
Homer, Alaska 99603
235-2656

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February 12, 1993

Jerome Montague
Chief of Restoration
Habitat and Restoration
Department of Fish and Game
P.O. Box 25525
Juneau, Alaska 99802-5526

0001940405
RECEIVED
APR 05 1993

EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL

Dear Mr. Montague:

Thank you for your efforts on behalf of the Cook Inlet Seiners Association (CISA) in addressing Lower Cook Inlet and the outer Kenai Peninsula Coast concerns. Our group has sought assurances that results of studies regarding pink and chum salmon survival and rearing habitat health conducted in Prince William Sound be carried over and considered applicable on the outer Kenai Peninsula Coast. We have received no such commitment to date; therefore we are submitting three (3) proposals that parallel projects in the 1993 Draft Work Plan ---#93003, #93002, and #93062---for inclusion in the FY 94 work plan.

Our other proposal is entitled "Conservation Easements for Protection and Restoration of Kenai Peninsula Coastal Fisheries Habitat." This proposal is for purchase of conservation easements along anadromous fish streams in the area affected by the spill. The streams listed have either been logged and are in need of protection to allow for reforestation and restoration or they are scheduled to be logged in the near future.

In addition we are supporting two (2) proposals made by the FRED Division's Nick Dudiak. Number One is for the Fund to absorb the portion of the Lower Cook Inlet Sockeye Project stocking, fertilization, and enumeration now funded by CISA. Number two is to support a feasibility study for a spawning channel alongside Port Dick Creek in Port Dick.

Thank you again for your assistance.

Sincerely,

Al Ray Carroll
Al Ray Carroll, President
Cook Inlet Seiners Association



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OCT 02 1995

EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL
ADMINISTRATIVE RECORD

EXXON VALDEZ OIL SPILL PROJECT DESCRIPTION

Project Title: Pink Salmon Egg to Pre-emergent Fry Survival in
in the Outer Coast of the Kenai Peninsula

Project Description: See 93003 ✓

Project Cost: \$ 680,000

EXXON VALDEZ OIL SPILL PROJECT DESCRIPTION

Project Title: Documentation, Enumeration, and Preservation of Genetically Discrete Wild Populations of Pink Salmon Impacted by EVOS in the Outer Coast of the Kenai Peninsula.

Project Description: See 93004 ✓

Project Cost: \$ 899,100

EXXON VALDEZ OIL SPILL PROJECT DESCRIPTION

Project Title: Pink Salmon Egg to Pre-emergent Fry Survival in
in the Outer Coast of the Kenai Peninsula

Project Description: See 93063

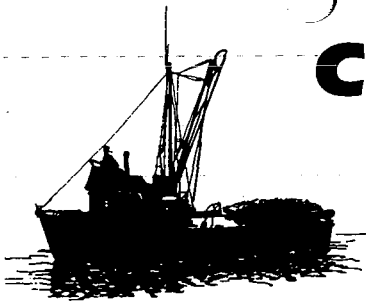
Project Cost: \$ 54,400

EXXON VALDEZ OIL SPILL PROJECT DESCRIPTION

Project Title: Conservation Easements for Protection and Restoration of Kenai Peninsula Coastal Fisheries Habitat.

Project Description: Request funds to purchase conservation easements along all identified anadromous streams located on private land holdings with the Kenai Peninsula Coastal areas. Such easements would allow certain habitat restoration and protection activities that are compatible with sound management principles and would prohibit certain logging and development activities that may damage fisheries habitat with a 400 foot setback or buffer zone along those streams or riparian zones. No other surface or subsurface or outright ownership rights would be conveyed with the easement purchases.

Project Cost (Projected):	Aialik Bay and drainages:	\$ 90,000
	Rock Bay and drainages:	740,000
	Windy Bay and drainages:	510,000
	Chugach Bay and drainages:	60,000
	Port Chatham drainages:	80,000
	Dogfish Bay drainages:	<u>400,000</u>
		\$ 1880,000



Cook Inlet Seiners Association

P.O. Box 4311
Homer, Alaska 99603
235-2656

April 27, 1993

Marty Rutherford
Habitat Protection Working Group
645 "G" Street, Suite 402
Anchorage, Alaska 99501

RECEIVED
OCT 02 1995

0031940504
RECEIVED
MAY 04 1993

EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL

EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL
ADMINISTRATIVE RECORD

Dear Marty:

A few weeks ago, the Cook Inlet Seiners Association (CISA) talked with your office regarding our concerns and ideas in respect to restoration of the outer coast of the Kenai Peninsula. At that time, CISA did fax you information on our proposals. With this correspondence, we are again sending you a generalized list of conservation easements CISA believes should be purchased with Exxon Valdez oil spill settlement dollars in the outer coast of the Kenai Peninsula. These proposed easements are listed as potential projects in the draft 1994 work plan. We ask your support of these projects.

As you are well aware, the outer coast of the Kenai Peninsula was second only to Prince William Sound in oil spill damage incurred. As a result, it is proper and appropriate that this area receive restorative attention. CISA proposes that Exxon monies purchase these easements along the anadromous streams indicated. This would result in protection and restoration of fish habitat severely, negatively impacted by the oil spill.

CISA continues to work with the Port Graham Native Association. The Native Association is also very interested in gaining conservation easements on some of their lands. As more details become available, we will contact you.

Thank you for your time and effort on behalf of the outer coast of the Kenai Peninsula. If we can assist you in any way, please contact us at 235-2656.

Sincerely,


AlRay Carroll

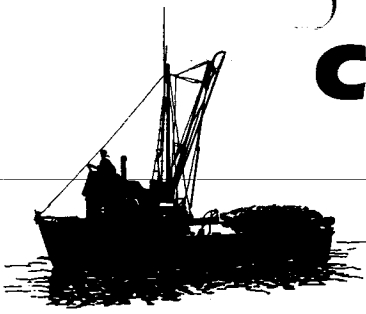
President, Cook Inlet Seiners Association

EXXON VALDEZ OIL SPILL PROJECT DESCRIPTION

Project Title: Conservation Easements for Protection and Restoration of Kenai Peninsula Coastal Fisheries Habitat.

Project Description: Request funds to purchase conservation easements along all identified anadromous streams located on private land holdings with the Kenai Peninsula Coastal areas. Such easements would allow certain habitat restoration and protection activities that are compatible with sound management principles and would prohibit certain logging and development activities that may damage fisheries habitat with a 400 foot setback or buffer zone along those streams or riparian zones. No other surface or subsurface or outright ownership rights would be conveyed with the easement purchases.

Project Cost (Projected):	Aialik Bay and drainages:	\$ 90,000
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	Windy Bay and drainages:	510,000
	Chugach Bay and drainages:	60,000
	Port Chatham drainages:	80,000
	Dogfish Bay drainages:	<u>400,000</u>
		\$ 1880,000



Cook Inlet Seiners Association

**P.O. Box 4311
Homer, Alaska 99603
235-2656**

EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL

April 12, 1993

Jerome Montague
Chief of Restoration
Habitat and Restoration
Department of Fish and Game
P.O. Box 25525
Juneau, Alaska 99802-5526

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OCT 02 1995

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APR 21 1993
FISH & GAME
LICENSING SECTION

Restoration Projects--Lower Cook Inlet

Dear Mr. Montague:

Thank you for your recent correspondence and the support you are giving to the Cook Inlet Seiners Association's restoration project proposals for Lower Cook Inlet. It has been a slow, tedious process to have our concerns and ideas heard. It is gratifying to work with someone who not only listens but also responds.

As you suggested, CISA shared our ideas on outer coast easements and acquisitions with the Habitat Protection Working Group. In addition, we have been working with our legislators on this issue.

Enclosed you find copies of the Lower Cook Inlet Sockeye Project and the Port Dick spawning channel as you requested. If you have any questions about these projects or any other of our proposals, please call us at 235-2656.

Thank you again for your time and effort on behalf of the Cook Inlet Seiners Association.

Sincerely,

Al Ray Carroll
Al Ray Carroll

AlRay Carroll
President, Cook Inlet Seiners Association

[illegible]

1994 WORKPLAN PROJECT IDENTIFICATION**RESOURCE/SERVICE: PINK AND CHUM SALMON**

LINK TO INJURY: Although no damage assessment surveys were conducted in the Outer Gulf Coastal areas of the Kenai Peninsula or Lower Cook Inlet (LCI) continuing studies in the Prince William Sound area indicate differences in pink salmon egg mortality as well as growth in the early marine life stage. These results should be considered applicable as potential impacts on pink salmon stocks in the Outer Kenai Peninsula area which were affected by moderate to heavy oiling during the 1989 EVOS. Most of these streams and associated estuaries that were exposed to various degrees of oiling have demonstrated decreasing pink and chum salmon production trends, even prior to the spill. Any further sublethal effects from the EVOS or other events could jeopardize long term salmon production in some of these systems. Moderate to intensive oil clean up and remediation activities were conducted in only a small portion of the impacted areas in 1989 and 1990.

WHAT NEEDS TO BE DONE, WHY, HOW:

1/. Need to develop the current pink and chum salmon spawning channel restoration feasibility surveys into the final engineering and early construction phase. This would ultimately justify the funding spent on the earlier restoration surveys and nearly complete the actual construction of an effective spawning channel system which should help to restore area pink and chum salmon stocks.

2/. Additionally need to continue to identify EVOS impacted salmon stocks and areas and determine optimal methods of restoration in terms of habitat rehabilitation and fishery enhancement aspects. Based on the results of these surveys, determine the best techniques to restore the potentially damaged pink and chum salmon stocks and/or habitats required for spawning and nursery functions.

POTENTIAL PROJECTS:

TITLE: Pink and Chum Salmon Spawning Channel Engineering and Construction

PROJECT DESCRIPTION: Develop final engineering and initiate construction phase for spawning channels to subsequently restore pink and chum salmon populations.

Restoration End Point:

Technical Feasibility:

Time Critical/Lost Opportunity?: Yes.

Consistent with Applicable Federal and State Laws and Policies.

DRAFT

1994 WORKPLAN PROJECT IDENTIFICATION

RESOURCE/SERVICE: Sockeye Salmon

Link to Injury: Estuaries which sockeye salmon utilize as nursery areas were oiled to various levels during the 1989 EVOS. Any direct or indirect effects from exposure to oil or other events could jeopardize long-term sockeye salmon production, which currently is extremely important to the Lower Cook Inlet (LCI) commercial fisheries.

WHAT NEEDS TO BE DONE, WHY, HOW:

1/. Need to provide support and expand the current LCI sockeye salmon enhancement program. The rationale for the consideration of this sockeye restoration and enhancement project includes not only the mitigation for possible oil related impacts to sockeye smolt survival but also to provide additional enhanced terminal commercial harvest areas to provide displacement of fishing pressure from area pink and chum salmon stocks that may have been affected by the EVOS.

POTENTIAL PROJECTS:

Title: Sockeye Salmon Enhancement

Project Description: Provide for the annual stocking of hatchery produced sockeye salmon fry into various lake systems in the LCI area. Several lakes are also involved in lake enrichment programs through application of liquid fertilizer.

Restoration End Point:

Technical Feasibility:

Time Critical/Lost Opportunity? YES

Consistent with Applicable Federal and State Laws and Policies.

Comments: This project would serve as an excellent EVOS mitigation type of program by providing displacement terminal commercial fishery harvest areas minimizing pressure on other stocks that are demonstrating trends that may have been affected by the EVOS.

Title: LCI Sockeye Salmon Enhancement Evaluation

Project Description: Provide for ongoing limnological and biological studies to determine and maintain optimum sockeye fry stocking density to maximize adult return production.

Restoration End Point:

Technical Feasibility:

Time Critical/Lost Opportunity? YES

Consistent With Federal and State Laws and Policies.

Comments:

This project would also serve as an applicable EVOS mitigation type of program by providing continued evaluation to maximize production from area sockeye salmon enhancement programs. These in turn

FORMAT FOR IDEAS FOR RESTORATION PROJECTS

Title of Project: Lower Cook Inlet - Port Dick Chum Salmon Restoration Site Survey
Windy Bay Pink Salmon Restoration Site Survey

Justification: (Link to Injured Resource or Service)

Important chum salmon areas in Port Dick and pink salmon areas in Windy Bay were heavily oiled during the EVOS. Adult returns to these two locations have been declining since that event.

Description of Project: (e.g. goal(s), objectives, location, rationale, and technical approach)

This project was initiated in FY 91 to identify potential Lower Cook Inlet (LCI) pink and chum salmon restoration sites in areas moderately to severely oiled during the EVOS. Survey work in Port Dick and Windy Bay is currently being conducted. The LCI restoration site surveys are one component of an area wide project that includes Prince William Sound and the Kodiak archipelago. The goal of the site survey portion of this project is to identify potential restoration sites in the oil impacted areas of Lower Cook Inlet as well as to determine the optimal method of restoration through habitat and salmon enhancement techniques.

Field surveys of potential sites are on going to determine various characteristics such as; stream flow characteristics, spawning escapement enumeration and identifying juvenile nursery areas. Also, engineering, water chemistry and hydrological surveys will be conducted. Information obtained during the site surveys will be used to later develop plans for rehabilitation or restoration of the selected areas. Implementation of the selected restoration projects will be requested through a separate proposal.

Estimated Duration of Project: FY 93

Estimated Cost per Year: \$79,500

Other Comments:

Name, Address, Telephone:

Nick Dudiak/Larry Boyle
ADF&G F.R.E.D. Division

3298 Douglas St.

Homer, AK 99603

(907) 235-8191

Oil spill restoration is a public process. Your ideas and suggestions will not be proprietary, and you will not be given any exclusive right or privilege to them.

FORMAT FOR IDEAS FOR RESTORATION PROJECTS

Title of Project: LOWER COOK INLET SOCKEYE SALMON RESTORATION AND
ENHANCEMENT

Justification: (Link to Injured Resource or Service)

Estuaries which sockeye salmon utilize as nursery areas were oiled to various levels during the EVOS. Any direct or indirect sublethal effects from exposure to oil or other events could jeopardize long-term sockeye salmon production, which currently is extremely important to the Lower Cook Inlet (LCI) commercial fisheries.

Description of Project: (e.g. goal(s), objectives, location, rationale, and technical approach)

The major goal of this project involves the support and expansion of the current LCI sockeye salmon enhancement program. The objectives of this program involve the annual stocking of sockeye salmon fry into 8 lake systems in the LCI area. Additionally, two lakes are currently involved in lake enrichment programs through application of liquid fertilizer. Ongoing limnological and biological studies are conducted to determine and maintain optimum sockeye fry stocking density to maximize production. Additional work is needed to investigate the potential for additional lakes to be used in the sockeye enhancement program. The lakes are located in the Kamishak Bay, Outer and Southern Districts of the LCI commercial fisheries management area. The rationale for the inclusion of this sockeye restoration and enhancement project includes not only the mitigation for possible oil related impacts to sockeye smolt survival but also to provide additional terminal commercial harvest areas to provide displacement of fishing pressure from natural pink and chum salmon stocks that may have been affected by the EVOS.

Estimated Duration of Project: FY/93 - FY/98

Estimated Cost per Year: \$120.0

Other Comments:

This project will provide significant benefits to the LCI area commercial fishery. For example, in 1991, a new record LCI sockeye salmon harvest was set with a harvest of 333,000 fish. Over 67% of this harvest originated from 5 sockeye salmon stocking sites.

Name, Address, Telephone:

Nick Dudiak/Larry Boyle

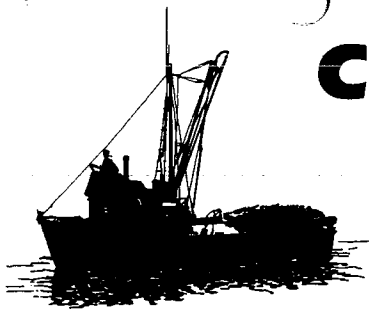
Alaska Department of Fish & Game

F.R.E.D. Division

3298 Douglas St.

Homer, AK 99603

Oil spill restoration is a public process. Your ideas and suggestions will not be proprietary, and you will not be given any exclusive right or privilege to them.



Cook Inlet Seiners Association

P.O. Box 4311
Homer, Alaska 99603
235-2656

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MAY 21 1993

Exxon Valdez Oil Spill Trustee Council
Restoration Office
645 "G" Street
Anchorage AK 99603

RECEIVED
OCT 02 1995

EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL

May 20, 1993

Dear Trustee Council: **EXXON VALDEZ OIL SPILL
TRUSTEE COUNCIL
ADMINISTRATIVE RECORD**

Cook Inlet Seiners Association, a non-profit group representing Lower Cook Inlet salmon seiners would like to take this opportunity to comment on the 1994 Restoration Plan. We are returning a copy of the draft plan with projects highlighted that we believe will be of benefit in restoring damaged anadromous fish stocks in the Lower Cook Inlet and the Outer Coast. In addition, we are submitting the following comments on these and other projects.

Project 34, the Paint River Fish Ladder Stocking Program, needs to be expanded to include four years chum stocking, at least two years pink stocking, and additional sockeye stocking. This is not a hatchery project and would be terminated at the end of the stocking plan and allowed to run a natural cycle of instream spawning and adult return. Total cost of a four year project is estimated at 2 million dollars. Though little can be done to restore the impact of EVOS in the much-damaged area in the Kenai National Fiords, the Paint River project is an opportunity to mitigate for those lost resources.

Projects 121, 122, 123, 124, and 125: conservation easements in Aialik, Windy, Chugach, Port Chatham and Dogfish Bay are necessary to preserve the natural runs of salmon here. In the past, substantial runs of chum and pink salmon returned to these bays, but logging has severely and negatively affected the instream survival due to inadequate buffer strips. Logging activity has increased again and the conservation easements on these streams are the most effective way to coexist with the logging industry and protect these vital riparian zones now.

Cook Inlet Seiners Association advocates establishing a project to restore intertidal chum salmon at Port Dick and Rocky River, both areas heavily impacted by oil in 1989. Instream incubation boxes to increase the survival of eggs of returning adults will help reestablish these runs to pre-spill levels. Estimated cost of this project is \$100,000 per year for 4 years, total cost \$400,000.

In addition, we propose ongoing Evaluation and Enumeration Projects for the streams in Lower Cook Inlet. There has been little or no evaluation of the affected streams after the initial spill year. Analysis of ongoing problems, progress, and the long-term affects of the EVOS are important in the total spill area. Restoring the resource by monitoring spring egg survival, escapement count, and out-migrating fry is important to maintain on a year-to-year basis and need to be funded.

While we are eager to begin the restoration process, we are concerned that inadequate data will cause the delay or rejection of the projects in our area. CISA believes that data gathered in PWS on the affects of the spill on pink and chum salmon are applicable to Lower Cook Inlet, therefore cost savings by not duplicating past research can be applied to restoring wild salmon stocks.

Our group feels there are not many projects to restore the salmon fishery in Lower Cook Inlet. Those of most importance to us are stated above: the stocking of Paint River, Conservation Easements, Restoring Chums to the Outer Coast at Rocky and Port Dick, and creating ongoing Evaluation and Enumeration Projects for our streams.

We believe the native landholdings within the Kenai Fiords National Monument will be purchased in the future, further limiting restoration potential from Seward to Gore Point. If this occurs, mitigation for sockeye salmon will be requested in the form of a project in the Seward area.

Damage to Lower Cook Inlet by EVOS is an established fact, yet little has been done to research or restore damaged fish stocks. It is important that restoration of pink, chum, and sockeye stocks is begun immediately. Since 1989, the salmon runs have failed in Lower Cook Inlet. Restoration of affected stocks must be accomplished as soon as possible to preserve these unique runs and the fishermen that harvest them. It is with firm belief in and commitment to our environment, that Cook Inlet Seiners Association proposes these projects, knowing them to be reasonable and conservative, worthy of highest priority at this time.

Sincerely Yours,

A handwritten signature in black ink, appearing to read 'C. Moss', written in a cursive style.

C. Moss
Exxon Restoration Committee

Cook Inlet Seiners, Inc.

Box 4311

Name: C Homer, Alaska 99603

Phone: _____

1994 POTENTIAL PROJECT TITLES

Page 1

	RESOURCE or SERVICE	RESTORATION OPTION SUBOPTION	POTENTIAL PROJECTS	REGION			EST. COST/YR \$K	EST. DURATION (YEARS)	1	1	1	1	1	1	2	2	2	2
				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	0 2	0 3
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,
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				P	K	K			9	9	9	9	9	9	0	0	0
				W	E	O			4	5	6	7	8	9	0	1	2
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	X	X	X	X					
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									

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				P	K	K			9	9	9	9	9	9	0	0	93
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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 1	
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									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 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									

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				P	K	K			9	9	9	9	9	9	0	0	
				W	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									
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	X	X							
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	X	X	X	X					
157		Recovery Monitoring	Survey to Determine Abundance Distribution, Habitat, and Food Habits of Staging Shore Birds	X			\$35	M									

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				P	K	K			9	9	9	9	9	9	0	0	Not Fund
				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									
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															

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	0 2	0 3
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	X	X	X	X	X					
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	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
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	X	X								
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	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										
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										

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				P	K	K			9	9	9	9	9	9	0	0	0
				S	N	D			4	5	6	7	8	9	0	1	Do Not Fund
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									

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				P W S	K E N	K O D			9 4	9 5	9 6	9 7	9 8	9 9	0 0	0 1	0 2
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															

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				P W S	K E N	K O D			4	5	6	7	8	9	0	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	X	X	X	X					
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									

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				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									

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				P W S	K E N	K O D			9 9 4	9 9 5	9 9 6	9 9 7	9 9 8	9 9 9	0 0 0	0 0 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									

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