<u>FY 96 V</u>	<u>VORK PLAN FUNDS APPROVED I</u>	BY TRUS	TEE COUNC	CIL 8/25/95			<u>9/</u> ;	5/95 DRA	19,3,3 FT/PAGE 1
Proj. No.	DECEIVED	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration
Pink Salmo	on Projects SEP 0 5 1995			\$1,284 .6	\$1,630.0	\$1,258.2	\$478,8	\$5,226.5	· · · · · · · · · · · · · · · · · · ·
60 7 6	Effects of Six Condition Subitrace Condition Straying and Straying at the Straying and Straying at the Straying at t	NOAA	NOAA	\$107.7	\$715.0	\$525.0	\$260.0	\$1,893.8	2nd. yr. 5yr. project
Abstract This project embryonic d gamete viab relating oil of the role of o studies of st and so that t restoration s	examines the effects of oil exposure during levelopment on straying, marine survival, and ility of pink salmon. Controlled experiments exposure to pink salmon straying will determine il and other factors on straying so that field raying in PWS after the spill can be interpreted, the significance of straying on management and strategies can be evaluated.	Chief Scie This is a t the extent Alaska du part of the establishe However, there appe with respe being initi the return reason to	entist's Commen of straying of pi e to exposure to c overall pink sal s heritable genet genetic damage ear to be better n ect to manageme iated in FY 95, i of the adults in continue.	ts lent proposal than nk salmon in So oil. This study of mon damage if 9 ic damage from has not been estanethods for consi nt strategies. Sin t should be evalut 1996 to see if the	t will document utheastern could be a cruc 05191B oil exposure. ablished, and dering strayin nee this project ated following ere is sufficien	t is of EVG	e Council A pending fur als address ication que te degree of whether th roject could ct of oil exp DS damage managemen bink salmor	Action ther review of ing genetics/ stions (fund i Straying after e project sho establish the posure, whic assessment i nt application projects.	of all pink salmon straying/stock interim). If func er FY 96 returns to uld close-out or contin at increased straying is h will aid interpretatio results. Potential for ns not as high as for
96139A1	Salmon Instream Habitat and Stock Restoration - Little Waterfall Barrier Bypass Improvement	ADFG	ADFG	\$55.0	\$35.0	\$15.0	\$55.0	\$160.0	2nd yr. 4 yr. project
Abstract		Chief Sci	entist's Commen	ts		Truste	e Council A	Action	
This propos 95139A1 to Little Water improvemen The project coho salmon ensuing yea	al will provide for continuation of Project complete the barrier bypass improvement at fall Creek. It will evaluate whether the nts are successful once construction is complete. will increase spawning habitat use by pink and n and thus will increase salmon production in rs.	This prop will likely	osal is technical	ly sound and its i almon production	implementatio n.	n Fund. spawn coho s lost in	Project is i ing habitat almon for h EVOS.	ntended to in and thus pro parvest as a r	ncrease available wide additional pink as eplacement for
96139A2	Spawning Channel Construction Project Port Dick Creek, Lower Cook Inlet	ADFG	ADFG	\$230.5	\$37.0	\$2 3.2	\$30.0	\$320.	1st yr. 5 yr. project
Abstract		Chief Sci	entist's Commen	<u>its</u>		Truste	e Council A	Action	
The proposed would restor proposed pr available in tributaries b	ed Port Dick Pink Salmon Spawning Channel re wild pink and chum salmon stocks. The oject would increase the spawning habitat Port Dick Creek by restoring formerly used by excavating down to stable water sources.	Implemer salmon pi performar approved	ntation of this pro- coduction, and co- nce of the modifi in 1995.	oposal will likely ontains plans to 1 ded channel. It h	v enhance pink nonitor ad been previo	Fund. spawn busly chum lost in	Project is i ing habitat salmon for the oil spil	ntended to in and thus pro harvest as a l.	ncrease available wide additional pink a replacement for salmo
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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration			
96139C1	Montague Riparian Rehabilitation Monitoring Program	USFS	USFS	\$9.7	\$0.0	\$0.0	\$0.0	\$9.7	3rd yr. 3 yr. project			
Abstract This project 94, fundin, streams flot These strue and rearing natural flot logging. The 20 acres of evaluation occurred and channels, and also be evaluation	ct is a continuation of 94139 and 95139C. In FY g was granted to construct 25 to 30 structures in owing through clearcut areas on Montague Island. ctures were designed to improve fish spawning g habitat, prevent erosion, and help restore the ws and stream features that existed prior to Che 1994 work also included the improvement of f riparian vegetation. This project is to continue of structures, repair any damage that may have nd assess changes in the aquatic habitat, stream and substrates. The riparian vegetation work will aluated.	95139C. In FY 30 structures in Montague Island. fish spawning lp restore the ed prior to mprovement of t is to continue that may have habitat, stream						Trustee Council Action Fund. This project is designed to monitor results o previous EVOS project.				
96186	Coded Wire Tag Recoveries From Pink Salmon in Prince William Sound	ADFG	ADFG	\$254.9	\$260.5	\$260.5	\$85.0	\$860.9	7th yr. 10yr. project			
Abstract This project salmon. T the commend project is p in-season t source oth formerly m	ct funds recovery of coded-wire tags in PWS pink The recovered tags are used to help ADFG manage ercial fishery to protect injured stocks. The part of a program to transition to a more precise tool, otolith marking, with a permanent funding er than the Trustee Council. (This project was numbered 95320B.)	Chief Scie This projec otolith the discontinu	ntist's Comment of is necessary to rmal mass marki ed only after feas	support the tran ing. This projec sibility of TMM	nsition to the t should be is demonstrated	Truste Fund. include Markin inform and lo wild st the ha enable	Example Council A Future years ng Project (9 nation that a cation of con- tocks. This rd-hit South continued f	stion s' funding, a of overlap v 96188).The llows manag mmercial ha is especially west Distric ishing in th	as recommended, with Otolith Thermal project provides gers to vary the timing rvest to protect 'ed important for the tim t in PWS and would is area.			

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration
96188	Otolith Thermal Mass Marking of Hatchery Reared Pink Salmon in Prince William Sound	ADFG	ADFG	\$93.2	\$100.5	\$100.5	\$48.8	\$343.0	2nd yr. 6 yr. project
Abstract This project in-season s In-season s managers t overharves presently u to otolith m (This project	et will develop otolith mass marking as an stock separation tool for pink salmon in PWS. stock composition data is used by fishery to protect damaged wild pink salmon stocks from at in mixed-stock fisheries. Coded-wire tags are used for this purpose in the Sound. Transitioning marking will reduce costs and increase precision. ext was formerly numbered 95320C.)	Chief Scie This is the It is innova effective st salmon ma	ntist's Commen continuation of ative, cost effect eps the Trustee nagement.	ts f a previously app tive, and probably s can support to i	proved program y one of the mo mprove pink	Truste n. Fund. ost expension fundin overla Fundin transit closeo	e Council A Otolith ma sive technolo btained thro ug, as recom p with Code ng for applic ion to non-7 ut funds pro	Action rking is a mo ogy for provi ugh coded wo mended, inco d Wire Tag cation of this Frustee source posed in '99	ore accurate and less iding the information vire tags. Future years' cludes two year (Project 96186) s technique will make a ces by FY 99 (only).
96191A	Oil-Related Embryo Mortalities in PWS Pink Salmon Populations	ADFG	ADFG	\$389.5	\$407.0	\$246.0	\$0.0	\$1,127.6	5th yr. 7 yr. project
Abstract Elevated et pink salmo The purpos recovery of laboratory identify the studies ma fish expose	mbryo motalities were detected in populations of on inhabiting oiled streams following the oil spill. se of this project is to continue to monitor the f pink salmon embryos in the field, provide verification of the field results, and verify and e occurrence of genetic damages. Results of these y provide the first evidence of heritable injury in ed to chronic or acute sources of oil pollution.	Chief Scie The assess worthwhile difference even-year j microlesion employing be able to o locations f should not 95 have be 1994 brood f2 generati provided.	ntist's Commen ment of embryce e to verify the 1 exists between pink salmon. H ns in the genon a variety of the detect these ver or such mutatio go forward in 1 een reviewed in 1 year that were on, then only c	tts o survival in the f 994 result that no oiled and unoiled lowever, the sear ne of injured pink e latest genetic ter y rare events in t ons. The molecu FY 96 until the ro the fall. If the a e exposed as eggs loseout funding s	ield is o survival l streams for ch for c salmon, throu chniques, may he many possil lar genetics esults from FY dults from the do not produc should be	Truste Fund o fundin pendin addres not injury ole hypotl geneti e a	e Council A ongoing con ig molecular ing further re- ssing genetic ons. This pro- to and reco- nesis that oil cally.	Action nponent of p r genetics co view of all p cs/straying/sl oject monitor very of pink l spill injury	roject. Defer decision on mponent of project bink salmon proposals tock idenfitication rs potential on-going salmon and explores the is being passed on

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration
96191B	Injury to Salmon Eggs and Pre-emergent Fry Incubated in Oiled Gravel (Laboratory Study)	NOAA	NOAA	\$72.8	\$75.0	\$88.0	\$0.0	\$332.3	5th yr. 7 yr. project
Abstract This project to pink sain culturing th opportunitie effects of in underway a FY 96 prop adults in 19 for release i	t will determine if oil can cause heritable damage non reproductive capacity. This requires aree generations of pink salmon which provides es to examine other immediate and long-term icubating in oiled gravel. The project already is nd oil exposures were completed in 1994. This osal focuses on incubating eggs from maturing 1995 and coded-wire tagging the second generation in Spring 1996.	Chief Scie This work resolve any injury to pi persistence the 1994 b produce a t appropriate	ntist's Comment is absolutely ess remaining ques ink salmon, the of injury. How rood year that w f2 generation, th ely.	tential to continu stions about the course of recove rever, if the returnere exposed as content ten funding sho	ne in order to nature of the ry and the rning adults from eggs do not uld be reduced	<u>Truste</u> Defer propos identif m consid 95 fiel numbe This is	e Council A pending fur als addressi ication ques er funding o d season. B ers of net-pe s a laborator	Action ther review of ing genetics/ stions (fund is contingent of budget will b n raised salr y companion	of all pink salmon straying/stock interim.) Tentatively n review of resu FY e reduced if insumnt non from FY 95 survive. n project to 96191A.
96196	Genetic Structure of Prince William Sound Pink Salmon	ADFG	ADFG	\$71.3	\$0.0	\$0.0	\$0.0	\$178.5	3rd yr. 3 yr. project
Abstract Previous we both direct 1 spill. An us salmon in F injuries on a managemen designed to wild pink sa formerly nu	ork found that wild-stock pink salmon suffered lethal and sublethal injuries as a result of the oil nderstanding of the population structure of pink PWS is essential to assess the impact of these a population basis and to devise and implement nt strategies for restoration. This project is o delineate the genetic structure of populations of almon inhabiting PWS. (This project was imbered 95320D.)	<u>Chief Scientist's Comments</u> This is the second year of this work on the genetic stock structure of pink salmon in Prince William Sound. This is a good proposal being conducted by well-qualified geneticists. The proposed breeding experiments are justified in order to interpret the heterozygosity of certain genes used as markers.					e Council A close-out of ing pending sals addressi ication ques nine geograp pink salmon s informatio gement strat	Action current work further revi ing genetics/ stions. This phic extent o . In combin n will guide egies for sin	c. Defer new data ew of all pink salmon straying/stock project is designed to f genetic differences in ation with 96093A and development of gle vs. multiple

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration
Herring F	Projects			\$787.1	\$1,154.9	\$1,013. 5	\$1,169.2	\$4,769.8	
96074	Herring Reproductive Impairment	NOAA	NOAA	\$200.0	\$69. 5	\$0.0	\$0.0	\$269.5	3rd yr. 4 yr. project
Abstract This study due to the measurem reproducti portion wi oil causes crash of po projects for recovery.	will examine long-term oil impacts on herring oil spill using field and laboratory eents. The field component will search for we impacts in PWS stocks and the laboratory ill determine if exposure of various life stages to genetic damage. This project began following the opulations in PWS and represents one of several ocused on causes of the crash and prospects for	Chief Scie Most of the accomplish 1996 is cos of toxicity recommen support for	ntist's Commen e major objectiv hed in 1994 and stly relative to v of oil to herring d close-out func r additional field	tts ves of the work ha l 1995. The rema vhat it will add to g reproduction. I ling for this proje d or laboratory w	ave been aining work in o our knowledy therefore ect with no ork.	Truste Fund o and co ge to und from c	e Council A close-out of pontinuation of erstand poss oil exposure.	Action the oil-expos of field portion sible injury to	ure laboratory portion on. Purpose of this is therring reproduction
96162	Investigations of Disease Factors Affecting Declines of Pacific Herring Populations in Prince William Sound, AK	ADFG	UW/UCD/ŚFU	\$204.1	\$510.6	\$461.7	\$0.0	\$1,607.3	3rd yr. 5 yr. project
Abstract Field and Hemorrha a pathoger and morta Herring in signs of di herring wi blood cher organisms stressors s crowding.	laboratory studies will focus on Viral gic Septicemia (VHS) and <i>Ichthyophonus hoferi</i> , nic fungus, to determine their role in the disease lity observed in PWS herring since 1993. a PWS will be monitored three times per year for isease and immune status. Specific pathogen-free ill be used to determine the degree of mortality, mical changes and pathogenicity produced by these s alone and in combination with exposure to such as petroleum hydrocarbons, temperature and (This project was formerly numbered 95320S.)	Chief Scie This is an investigati and manifi between th about caus basis for th exposing p virus and a of these pa clarified. disease tra	entist's Commenti innovative and ing the potential estation of disea the spill and the p e and effect. Not the questions bein bathogen-free he furthy ophonus in thogens in the p Also, learning m	thorough approa thorough approa l relationship bet ase in herring, alt population crashe evertheless, there ng addressed by erring to oil and o in laboratory exp population crashe more about the ci benefit herring n	ch to ween oil expose though the tim es raises quest e is a plausible this work. By challenge by V eriments, the r es will be rcumstances o nanagement.	Truste Defer Projec e oil exp ions popula recove of a he 7HS role	ee Council A until FY 95 t is designed posure and c ation decline ery is import erring fisher	Action results are e d to investiga lisease and b e in PWS. U tant for restor y.	valuated (fund interim). te potential link between etween disease and the nderstanding the lack of ration and resu

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration
96164	Pacific Herring Program Leadership	ADFG	ADFG	\$49.2	\$49.2	\$49.2	\$49.2	\$196.8	lst yr. 4yr. project
Abstract The purpo integration to study di ecosystem component the injured	ose of this project is to enhance coordination, n and critical review of projects that are designed ifferent aspects of Pacific herring in the PWS t; to better understand the interactions of the its of the ecosystem; and to aid in the recovery of d resource and lost services.	Chief Scie As revised research p	ntist's Comment , this proposal p rogram deserves	<u>s</u> rovides the leade	ership the herrin	g Fund. effectiv the bal should unlike manag into ot	e Council A Increased leveness of the lance of fund come from ly this proje gement. In the her herring	action eadership sho e EVOS her ds needed to 96162, 9610 ct will trans future years, projects.	ould increase the ring program. Note that hire a program leader 65, and 96166. It is ition into normation ney funding will be d
96165	Genetic Discrimination of Prince William Sound Herring Populations	ADFG	ADFG	\$103.9	\$120.0	\$97.0	\$0.0	\$320.9 , `	3rd yr. 5 yr. project
Abstract The PWS since 1992 recovery e genetically managem structure o population analyses. years and	herring fishery has been in catastrophic decline 2. The Alaska Department of Fish and Game effort includes incorporating a knowledge of y derived population structure into harvest ent. This continuing project will delineate the of PWS population(s) and related North Pacific ns using both nuclear and mitochondrial DNA Tests for temporal and spatial diversity within temporal stability across years will be done.	Chief Scie This is a c importance The invest projects, a 1996.	ntist's Comment ontinuing projec e for managing I igators have per nd I recommend	t that will direct Prince William S formed admirab further support	ly affect issues o Sound herring. ly on past for the project in	Truste of Fund. genetic other l import limits, or mot	e Council A This project c composition North Pacifit tant to mana it is import re geneticall	Action t addresses b on of PWS h c population agement. W ant to know y distinct po	basic questions about the erring in relation to us. This information is hen setting harvest whether there exists one opulations.

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration
96166	Herring Natal Habitats	ADFG	ADFG	\$229.9	\$405.6	\$405.6	\$1,120.0	\$2,375.3	3rd yr. 9 yr. project

<u>Abstract</u>

Past studies have documented damage from oil exposure in adult herring, hatching success of embryos, and levels of physical and genetic abnormalities in larvae. The PWS herring spawning population has drastically declined since 1993, and pathology studies implicated Viral Hemorrhagic Septicemia (VHS) and *Ichthyophonus* as potential sources of mortality as well as indicators of stress. The project will continue to provide estimates of spawning herring abundance and investigate the lethality of suspected pathogens and the role of environmental contaminants in disease transmission through laboratory and field studies.

Chief Scientist's Comments

Relates to SEA hypothesis and causes of decline in herring, which are fundamental to the EVOS restoration program. However, there is concern about the extent to which some activities can be considered on-going agency management. The budget is too high.

Trustee Council Action

Defer decision pending 1) review of FY 95 results in fall; 2) a review of the recovery objective for herring based on FY 95 results; 3) a review of the project budget; and 4) agreement on plan for transition to normal agency management. In addition, the question whether herring spawn deposition survey are a cost-effective management tool (juvenile herring survey may be more effective). Fund interim. The goal of the project is to improve estimation of spawning biomass, in order to establish harvest levels and guidelines that allow natural restoration to occur and that will sustain a healthy fishery.

Sound Ec	osystem Assessment (SEA)		~	\$4,525.7	\$4,525.7
96320E	Salmon and Herring Predation	ADFG	ADFG	\$637.7	\$637.7 3rd yr. 5 yr. project

Abstract

This project would determine the extent to which variations in predation on juvenile pink salmon affect survival and describe mechanisms that cause variation in predation. This would include the identification of fish predators (distribution, abundance, species, and size composition) along the juvenile salmon migratory pathway. The project will also collect samples for a variety of the other SEA efforts.

Chief Scientist's Comments

Project helps provide the larger context of ecosystem structure under which restoration must be considered to be effective, and is likely to contribute valuable information for the management of salmon and herring in PWS. A review workshop should be held in January 1996, at which we would expect a substantial review of the first 2 years' work.

Trustee Council Action

Fund. Project 96320 recommendation of \$4525.7 reflects funding for continued work in FY 96. . . . , an additional amount for PWSSC report writing 97 (\$589.1) is recommended as result of transmon to the NOAA-BAA process. Authorization for these report writing funds is needed to enter into NOAA-BAA contracts. Future program effort and funding will be considered after mid-January SEA program review session. Projected cost in FY 97 is \$3600.0; FY 98 is \$2600.0.

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration	
96320 G	Phytoplankton and Nutrients	ADFG	McRoy, UAF	\$162.2				\$162.2	3rd yr. 5 yr. project	
Abstract This project nutrient and influence of The project production oceanograp	t would focus on primary production and provide d phytoplankton data to help evaluate the f phytoplankton dynamics on the PWS food web. would examine variations in phytoplankton in relation to zooplankton production and hic conditions.	<u>Chief Scie</u> See 96320	entist's Comments)E.			<u>Truste</u> See 96	e Council A 320E.	<u>lection</u>		
96320H	Zooplankton in the PWS Ecosystem	ADFG	Cooney, UAF	\$323.6				\$323.6	3rd yr. 5 yr. project	
Abstract This project zooplanktor abundance. distribution populations component	would continue to investigate the annual a bloom and its relationship to fish predator The project would sample and monitor the and composition of PWS macrozooplankton in collaboration with the physical oceanography of SEA.	Chief Scie See 96320	entist's Comments DE.			<u>Truste</u> See 96	e Council A 320E.	<u>ction</u>		
963201	Isotope Tracers - Food Webs of Fish	NOAA	PWSSC	\$195.8				\$195.8	3rd yr. 5 yr. project	
Abstract This project stable isotop source to de among spec	would analyze tissue samples and use shifts in be ratios that occur with trophic level and food scribe food sources and predation relationships ies in PWS.	<u>Chief Scie</u> See 96320	entist's Comments E.			Trustee See 96 recomr a result process	e Council A 320E. (Not nended to fu t of transitic S.)	<u>e:</u> An additi und report w on to the NO	onal \$74.5 is riting costs in AA-BAA con	()) FY 97 as tracting

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	to end Estimate	96 to end Estimate	Project Duration
96320J	Information Systems and Model Development	NOAA	PWSSC	\$482.7				\$482.7	3rd yr. 5 yr. project
Abstract This projec of the PWS particular s appropriate develop the program's c data manag System Invo communica support wit on-line ana means by w understood.	t would continue work initiated in FY 94 as part System Investigation (Project 94320). This ub-project would provide an information system for the PWS System Investigation effort and modeling resources needed to achieve the objectives. This sub-project provides for overall gement and technical support to other PWS estigation efforts through field data ations; descriptive modeling; numerical modeling; h sampling technologies; and providing for lysis and visualization tools to provide the which various data can be collected, used and	Chief Scier See 96320E	<u>atist's Comments</u>			Truste See 96 recomm a resul contrac	e Council A 320E. (Not mended to f t of the tran cting proces	e: An addit und report w sition to the s.)	ional \$173.2 is riting costs in FY 97 as NOAA-BAA
96320K	PWSAC: Experimental Fry Release	ADFG	PWSAC	\$61.4				\$61.4	3rd yr. 5 yr. project
Abstract This project release, par influence of early marin	t would support the rearing of salmon fry for rt of an effort to investigate the possible f fry size as a determinant of survival during e residence as part of the SEA study effort.	<u>Chief Scier</u> See 96320E	ntist's Comments 3.			<u>Truste</u> See 96	<u>e Council A</u> 320E.	<u>action</u>	
96320M	Physical Oceanography in PWS	NOAA Sa	almon, PWSSC	\$499.4				\$499.4	3rd yr. 5 yr. project
Abstract This project structure of atmospheric relationship long term te buoyancy-di act to retain important sp fine scale of cycles and e	t would investigate the physical oceanographic PWS including the space/time variability of c and oceanic processes within PWS, investigate os between atmospheric forcing (wind, storms, emperature changes) and wind and riven currents; determine how these relationships u/disperse food resources for ecologically pecies within PWS; and investigate large and ceanographic structures and major climatic events.	<u>Chief Scier</u> See 96320E	<u>itist's Comments</u>			Truste See 96 recomi a resul contrac	e Council A 320E. (Not nended to f t of the tran cting proces	e: An addit und report in sition to the s.)	ional \$146.4 is riting costs in FY 97 as NOAA-BAA

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	to end Estimate	96 to end Estimate	Project Duration	
96320N	Nekton/Plankton Acoustics	NOAA	PWSSC	\$487.6				\$487.6	3rd yr. 5 yr. project	
Abstract This project and biomas predator dis hydroacous plankton/ne patterns and morphology	t would describe macrozooplankton distribution s in real time using hydroacoustics; describe fish stribution/biomass in real time using tics; investigate hypothesis that ekton/predator populations aggregate in cyclic d specific locations due to currents and bottom y.	<u>Chief Scier</u> See 96320E	<u>atist's Comments</u>	<u>s</u>		Truste See 96 recomm a resul contrac	e Council A 320E. (Not mended to f t of the tran cting proces	action te: An addit und report w sition to the ss.)	ional \$195.0 is riting costs in FY NOAA-BAA	97 as
96320Q	Avian Predation on Herring Spawn	USFS	USFS	\$32.7				\$32.7	3rd yr. 5 yr. project	
Abstract This project egg loss to a surf scoters	t would close out research to determine herring avian predators such as glaucous-winged gulls, , black turnstones and surfbirds.	<u>Chief Scier</u> See 96320E	itist's Comments	S		<u>Truste</u> See 96	e Council A 320E.	<u>action</u>		
96320R	SEA Trophodynamic Modeling and Validation Through Remote Sensing	ADFG I	Eslinger/UAF	\$202.7				\$202.7	3rd yr. 5 yr. project	
Abstract This is a ne internal reo 95320-G ar and beyond modeling or and add mo particular. field data to and in situ included in	w SEA project in FY 96 as a result of an rganization. Some of the work performed under nd J is to be done under this project in FY 96 . This project would continue the trophodynamic f phytoplankton and zooplankton begun in FY 95 odeling of ichthyoplankton, herring larvae in It will evaluate and verify the model against be collected using a variety of remote sensing sampling platforms. (Funds for this project are 96320.)	Chief Scien See 96320E seems logic developmer variation in Sound.	tist's Comments This reorgani al and effective. at of an understa recruitment suc	s ization of the SEA This work is cen anding of controls ccess of fish in Pri	program tral to of year-to-yea nce William	<u>Truste</u> See 96	<u>e Council A</u> 320E.	<u>action</u>	÷.	

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration
963 2 0T	Juvenile Herring Growth and Habitat Partitioning	ADFG	Narcross, UAF	\$1,141.6				\$1,141.6	3rd yr. 5 yr. project
Abstract This project failure of he dynamics of project, toge as part of the relative imp conditions, predation in abundance.	t would investigate what may be causing the erring runs in PWS by investigating the f larval and juvenile herring. The proposed ether with other investigations being undertaken he SEA program would attempt to describe the portance of zooplankton abundance, oceanic habitat requirements, and density dependent in determining large fluctuations in herring	<u>Chief Scie</u> See 96320	<u>entist's Comments</u>)E.			<u>Truste</u> See 96	<u>e Council A</u> 320E.	<u>ction</u>	\bigcirc
96320U	Energetics of Herring and Pollock	ADFG	Paul, UAF	\$189.5				\$189. 5	3rd yr. 5 yr. project
Abstract Project wou two importa herring and overwinter a reproductive quantify tro	ld focus on the seasonal somatic energy cycles of ant forage fish species in the spill area Pacific walleye pollock. The project would explore survival of juvenile herring and herring e biology and provide energetic information to phic interactions (food webs) involving pollock.	<u>Chief Sci</u> See 96320	entist's Comments E.			<u>Truster</u> See 96:	e Council A 320E.	ction	
96 32 0Y	Variation in Local Predation Rates on Hatchery-Released Fry	ADFG	PWSSC	\$40.0				\$40.0	3rd yr. 5 yr. project
<u>Abstract</u> Project close behavior an predators, e	e out of investigation of the size, composition, d duration of foraging aggregations of specially birds, at fry release sites.	<u>Chief Scie</u> See 96320	entist's Comments DE.			<u>Truster</u> See 963	<u>e Council A</u> 320E.	ction	

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration	
96320Z1	Synthesis and Integration	ADFG	Cooney/UAF	\$68.8				\$68.8	3rd yr. 5 yr. project	
Abstract This project activities as modelling s Pacific herr	provides support for synthesis and integration sociated with the application of SEA field and tudies to the restoration of pink salmon and ing populations in PWS.	Chief Scie Necessary for admin	entist's Comments for effective proj istrative support s	ect managemen eems high.	t, although cos	Truste t See 96	e Council A 320E.	<u>setion</u>		~ <u></u>
Sockeye Sa	lmon Program		· · · · · · · · · · · · · · · · · · ·	\$771.0	\$427.0	\$75.0	\$150.0	\$2,239.6		
96255	Kenai River Sockeye Salmon Restoration	ADFG	ADFG	\$239.8				\$442.9 ``	6th yr. 6 yr. project	
Abstract Greatly redu due to the p escapement by three tim survival of and possible harvests ma The goal of salmon thro more accura	aced fishing time in upper Cook Inlet in 1989 resence of oil caused sockeye salmon spawning s in the Kenai River to exceed the desired amount des. The overescapement may have reduced juvenile sockeye salmon. Careful monitoring e reduction of Kenai River sockeye salmon by be necessary to ensure adequate escapements. This project is to restore Kenai River sockeye ough improved stock assessment capabilities and ate regulation of spawning levels.	Chief Scie This has b results in providing fishery. C amount se	entist's Comments been an excellent j '94 and '95. It ha management tool Closeout funds are beems high.	program, produ s achieved its o ls for the upper requested for '!	cing landmark bjectives by Cook Inlet 96, but the	Truste Fund of FY 96 review the ow projec that C by fish openir	e Council A close-out of and future of the 199 erall Kenai/ t provides in ook Inlet fis leries managings to protect	Action FY 95 project years until D 5 Kenai/Skil Skilak socket n-season ider hermen are gers to modified t Kenai/Skil	ct. Defer a decis December, pendi lak sockeye retur eye program. The ntification of act harvesting whic fy fishing areas ak stocks.	sion on ng a rn and of ne ual runs h is used and

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration	
96258A	Sockeye Salmon Overescapement Project	ADFG	ADFG	\$460.2	\$150.0	\$75.0	\$150.0	\$1,233.9	3rd yr. 6 yr. project	

Abstract

This proposal provides for a close-out budget for the Kenai lakes sockeye research program with a limited continued sockeye monitoring program for the Kodiak Island lakes. If depressed adult returns from 1989 brood are observed in the Kenai River in 1995, continuation of the evaluation is proposed for the 1996 field season, which would bring the FY 96 cost to \$907,800. In addition, a separate proposal to experimentally evaluate the proposed mechanism leading to reduced production of smolt from the Kenai systems by mean of an *in situ* enclosure study is integrated into these investigations.

Chief Scientist's Comments

Preliminary analysis of the 1995 return appears to confirm a weak return of the 1990 brood year, which would be consistent with an effect of overescapement in 1987 - 1989. The fry weight data and observations on vertical migration of zooplankton might also reflect on effect of overescapement. The application of the limnological work to management is unclear. The closeout costs appear high and further description of the analysis to be conductd on 1995 data is needed. I cannot recommend gathering new data except perhaps in Red and Akalura lakes on Kodiak Island.

Trustee Council Action

Fund close-out of FY 95 work on Kenai/Skilak portion; continue limited Kodiak monitoring. Defer decision on FY 96 and future years' Kenai/Skilak work until fall, pending review of 1995 sockeye return and of the overall Kenai/Skilak sockeye program. project investigates multiple mechanisms for incomes to sockeye caused by overescapement, and also will determine the effects on smolt escapement and ultimate production of returning adults. It also monitors recovery of Kodiak runs and provides information to help restore these runs.

replacement basis for losses of other fishery resources.

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96259	Restoration of Coghill Lake Sockeye Salmon	ADFG	ADFG.	\$71.0	\$277.0	\$0.0	\$0.0	\$562.8 4th yr. 5 yr. project
Abstract Coghill La producer f could jeop without re program b the run. A important fisheries i	ake has historically been a major sockeye for PWS. The current production is very low and pardize the sustainability of this sockeye stock estoration efforts. This project continues a begun in 1993 to fertilize Coghill Lake to restore A restored sockeye salmon run would provide an replacement resource for sport and commercial n PWS.	Chief Scier This projec lake fertiliz Coghill Lal taken. If th not likely to the project,	tist's Comments t is a replacement ation to increase ce. Reviews have the fertilization pro- be know why. In I recommend co	s nt action for oil s e sockeye salmon ve identified risks rogram does not spite of my reser ontinued funding	pill injury using production in in the approach work, we are vations about	Trustee Defer per Consiste there mu source a Coghill the com Althoug the oil s	Council Act ending revie ont with reco ist be a tran fter FY 97. Lake to its f mercial/spon h the injury pill, this pro	tion w of FY 95 results (fund interim). ommendation in FY 95 work plan, sition to a non-Trustee funding This project is designed to restore former position as a mainstay of rt sockeye fishery in PWS to this fishery was not caby by siect has been conducted on a

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration
Cutthroat	and Dolly Varden Trout Projects			\$200.0	\$200.0	\$100.0	\$0.0	\$500.0	
96145	Cutthroat Trout and Dolly Varden: the Relation Among and Within Populations of Anadromous and Resident Forms	USFS	USFS	\$200.0	\$200.0	\$100.0	\$0.0	\$5 00.0	1st yr. 3 yr. project
Abstract Recovery of have taken stock supp the long te relation be fish within examining group. Re	of cutthroat trout is unknown. Restoration efforts the form of instream habitat modification and lementation. The usefulness of this approach in trm is unknown. This project would determine the tween resident and anadromous forms of these the same watershed and between watersheds by genetic, meristic, and life-history features of each sults from this study will allow a long-term, prive and ecologically sound restoration strategy	Chief Scie This is a fu determine anadromou Our lack o constrainin restoration help clarify Since the f	ntist's Commen indamentally ex- the relationship is forms of Doll f knowledge of g our ability to strategies for the y damage assess indings of this s	ts cellent proposal s between reside y Varden and cu life history strate identify the mos he species. This sment results obt study have nation aring by the US	that will ent and atthroat trout. egies is st effective project will also cained previously nal implications,	Truste Fund, and life refines injury, occurre implic Prince I is prov	e Council A The project e history for understand and may co ed. This san ations for m William So riding signif	<u>defines relat</u> rms (e.g., and ing of the na onfirm wheth me informati anagement (bund and nat ficant suppor	ionships among ks adromous vs. readt), ature and extent of EVOS her recovery has on has direct of sport fisherics in ionwide, and the USFS t for this project.

Marine N	Mammal Program		\$792.6	\$687.3	\$275.1	\$25.0	\$1,806.4	
96001	Recovery of Harbor Seals from EVOS: Condition and Health Status	ADFG Castellini/UAF	\$214.1	\$192.3	\$48.1	\$0.0	\$454.5 2nd yr. 4 yr. project	

Abstract

for these fish to be developed.

This project focuses on the health of harbor seals, a marine mammal species that is not recovering in Prince William Sound. Personnel from the University of Alaska in cooperation with the Alaska Department of Fish and Game will work with harbor seals to assess their health, blood and blubber chemistry and size in relation to their ecological and nutritional requirements. The project addresses potential health and nutritional problems that may be impeding harbor seal recovery.

Chief Scientist's Comments

This is a solid technical proposal that addresses a basic question about recovery of harbor seals in the oil spill area. The investigator is well qualified, and is helping to evaluate the most generally accepted hypothesis for the seals' decline.

Trustee Council Action

Fund. This project will document the body component of the properties of the propert

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration
96012A-BAA	Comprehensive Killer Whale Investigation in Prince William Sound, Alaska	NOAA	N Gulf Oceanic	\$ 80. 8				\$107.2	2nd yr. 2 yr. project
Abstract This project of pod and other occurred on a database on k and acoustic changes in be harbor seals.	continues the monitoring of the damaged AB r Prince William Sound killer whales that has a yearly basis since 1984. It develops a GIS ciller whales that when coupled with genetic data will help evaluate recovery, recognize ehavior, and estimate killer whale impact on	Chief Sci This is a in PWS to on this sp	entist's Comments very good proposal o track their recove secies in GIS usable	that will moni ery, as well as c e electronic file	tor killer whale compile past dat s.	Truste s Fund c a compo upon a NOAA monito results whales	e Council A lose-out of j nent. Trans pproval of r s approval oring killer of FY 95 w are reconsi	ction prior work in fer of funds evised DPD of contract. whales in FY ork and reco dered.	ncluding GIS to contractor contingent and budget, as well as Defer decision on 796 and beyon 96 and beyon bovery objective boodler
96064	Monitoring, Habitat Use, and Trophic Interactions of Harbor Seals in Prince William Sound	ADFG	ADFG	\$347.3	\$347.0	\$100.0	\$25.0	\$819.3 ``	2nd yr. 5 yr. project
Abstract This project v and investiga Aerial survey population co Seals will be use of haulou Samples of b collected to s relationships	will monitor the status of harbor seals in PWS ate the possible causes for the ongoing decline. 's will be conducted to determine whether the ontinues to decline, stabilizes, or increases. satellite-tagged to describe their movements, its, and hauling out and diving behavior. lood, blubber, whiskers, and skin will be tudy diet, health and condition, and genetic to other harbor seal populations.	<u>Chief Sci</u> This is a restoratio performir	entist's Comments very good proposal n of harbor seals. ' ng well.	for continuing The investigato	g work on ors are	Truste Fund. long-ta food?" as prec resource focus t causes	e Council A This basic s erm decline hypothesis, lation and d ce managers heir efforts of populatio	ction study explore in harbor set but also add isease. This s, subsistence and concern on decline.	es reasons for the als. Focus is on "is it iresses alternatives, such s work will enable e users, and others to on the most probable

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Total FY FY 99 96 to end FY97 FY 98 to end Project Approved Lead Estimate 8/25/95 Estimate Estimate Duration Estimate Proposer Agency Proj. No. Title Isotope Ratio Studies of Marine Mammals 96170 Schell/UAF \$425.4 2nd yr. ADFG \$150.4 \$148.0 \$127.0 \$0.0 in Prince William Sound 4 yr. project

Abstract

Stable isotope ratios are natural tracers of carbon and nitrogen transfers through food webs. Through a mix of captive animal studies, comparison of isotope ratios in archived and current marine mammal tissues and their potential prey species in the PWS, insight into environmental changes causing the decline of harbor seals may be possible. This project will supply the isotope ratio determinations for other projects using this technique in the PWS ecosystem. Over the 12 months of FY 96 funding about 10,000 samples in these related projects will be analyzed. (This project was formerly numbered 95320I2.)

Chief Scientist's Comments

Excellent in all respects. This project will doubtlessly provide insights into the functioning of the Prince William Sound ecosystem that cannot be obtained in other ways. It may well provide valuable information for modeling the entire ecosystem at a very reasonable cost. Coordination with Project 96121 should prevent duplication of effort.

Trustee Council Action

Fund. This project provides technical support for 96064, and will assist the SEA program (96320) by describing the food chains that support important commercial fisheries in PWS.

Nearshor	e Ecosystem Projects		•	\$2,583.4	\$1,790.4	\$1,789.4	\$920.0	\$7,293. 3	
96025	Mechanism of Impact and Potential Recovery of Nearshore Vertebrate Predators	DOI	DOI	\$1,728.2	\$1,669.4	\$1,669.4	\$450.0	\$5,517.0 2nd yr. 4 yr. project	

Abstract

The project assesses trophic, health, and demographic factors across a suite of "apex" predators injured by the spill to determine mechanisms constraining recovery and improve knowledge of the status of recovery. Primary hypotheses: 1) recovery of nearshore resources is limited by recruitment processes; 2) initial and/or residual oil in benthic habitats and in or on benthic prey has had a limiting effect on the recovery of predators; and 3) EVOS-induced changes in populations of benthic prey species have influenced the recovery of predators.

Chief Scientist's Comments

This program was peer reviewed in detail in March 1995, and an 18-month workplan was approved by the Trustee Council. A detailed review of the first full field season of this program will be conducted in the fall or winter of 1996 in order to define the program for FY 96.

Trustee Council Action

Fund. Project will be reviewed in fall of 1995 to see if modifications in 1996 Detailed Project Description are necessary based on 1995 field season. Budget will be reevaluated following review session. In given 4, the nearshore ecosystem, including intertidal maximat and organisms, was hardest hit by the spill. This project monitors recovery of intertidal organisms and closely linked vertebrate predators and addresses question of whether continuing contamination is slowing recovery of vertebrate predators.

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mussel beds.

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	96 to end Estimate	Project Duration		
96027	Kodiak Archipelago Shoreline Assessment: Monitoring Surface and Subsurface Oil	ADEC	ADEC	\$60.0	\$0.0	\$0.0	\$0.0	\$60.0	2nd yr. 2 yr. project		
Abstract		Chief Scie	ntist's Comment	s		Truste	e Council A	ction			
This project the areal ex Kodiak Arco were last suremaining of proceeding whether the shoreline ac any remain additional t	t completes work begun in FY 95 to determine ttent, toxicity and origin of oil on selected chipelago shorelines. Most of these shorelines inveyed in 1990. The information about the oil is necessary to determine whether recovery is at an acceptable rate; to help local people assess e presence of remaining oil is still affecting ctivities; to determine the origin and toxicity of ing oil; and to determine if any beaches need treatment.	This is clos complete th	This is close-out funding to hold community meetings and Fund. This project closes out work funded complete the final report.								
96086	Herring Bay Monitoring and Restoration Studies	ADFG I	lighsmith/UAF	\$173.0	\$0.0	\$0.0	\$0.0	\$173.0	7th yr. 7 yr. project		
Abstract		Chief Scien	ntist's Comment	S		Truste	e Council A	ction			
In 1990, int Herring Bay These studi and show co associated i intertidal. I be incorpora the rates and resources.	tertidal restoration studies were established in y in response to the T/V Exxon Valdez oil spill. es have continued through the 1994 field season ontinued injury to Fucus gardneri and the nvertebrate population, especially in the upper Data collected during the 1995 field season will ated into the existing Herring Bay database and d extents of recovery determined for injured	This is a pr with close- be high for	roject that was fi out scheduled fo a close-out proj	unded from 1990 or FY 96. The bu ect.) through 1995, idget appears t	Fund. o writing Truste	Project is clo g only) for st e Council.	udies previo	a analysis and report busly funded by the		
96090	Mussel Bed Restoration and Monitoring	NOAA	NOAA	\$205.1	\$0.0	\$0.0	\$0.0	\$205.1	5th yr. 5 yr. project		
Abstract		Chief Scien	ntist's Comment	<u>s</u>		Truste	e Council A	ction			
In FY 96 a synthesizing persistence Alaska and analyses of	comprehensive report will be produced g and summarizing four years of studies on the of oiling in mussel beds in PWS and the Gulf of restoration of 12 of these beds. Chemical mussel and sediment samples collected in 1995	It is essential to complete this close-out project but the budget appears to be high. The labor for the report writing is very high, given the donation of time by NOAA (which is recognized and appreciated). Fund. Project would close-out previous study of contamination of mussel beds by oil. Oiled mu beds may be a pathway for on-going contamina nearshore vertebrate predators. Information ga could lead to further cleaning and restoration of							previous study on by oil. Oiled mussel going contamination of Information gathered and restoration of		

analyses of mussel and sediment samples collected in 1995 will be completed early in 1996. No new sample collection or site visits are proposed for FY 96.

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration		
96106	Subtidal Monitoring: Eelgrass Communities	ADFG	Jewett/UAF	\$250.0	\$0.0	\$0.0	\$0.0	\$250.0	6th yr. 6 yr. project		
Abstract This project for Project sample and The final r collected si	ct would provide funds to write the final report 95106. The budget reflects projected costs of alysis, data analysis, and report preparation. report will incorporate and compare all data ince 1991.	<u>Chief Scie</u> This is a c Trustees. subtidal st	entist's Comments lose-out project for The investigator udies.	a or work previou is doing a very	isly funded by f good job on	<u>Truste</u> the Fund.	e Council A Would close	e out work fi	unded in previous years.		
9 62 90	Hydrocarbon Data Analysis, Interpretation, and Database Maintenance	NOAA	NOAA	\$116.1	\$121.0	\$120.0	\$470.0	\$827.1	5th yr. 11 yr. project		
Abstract This project database m sample sto restoration Trustee hy investigato electronic to this info be identifie	ct is a continuation of the NRDA and Restoration nanagement, hydrocarbon interpretation and orage service. Subsistence response and a data will continue to be incorporated into the rdrocarbon database. A summary report for ors and managers will be produced with an copy of the database, that will allow easier access ormation. New user groups of the database will ed, and tailored user interfaces will be generated.	Chief Scie This is an support th continue to interpretir	entist's Comments excellent proposa e many projects, l o face the task of ng environmental	al. The work is both past and p obtaining and c hydrocarbon da	necessary to resent, that correctly ata.	<u>Trustee Council Action</u> Fund. Project is on-going analysis of hydrocarbon data for other Trustee Council funded studies. This project will make these data available to the scientific community and the public, including "on-line" via th computer Internet.					
96427	Harlequin Duck Recovery Monitoring	ADFG	ADFG	\$51.0				\$261.1	3rd yr. 4 yr. project		
Abstract This project oiled and u behavior, p surveys will population unoiled are Continued allow us to recovery.	ct will compare population parameters between inoiled areas based on population structure, production, and growth rates. Shoreline boat ll be conducted simultaneously. Changes in size, structure, and production in oiled and eas and between years will be compared. population monitoring and brood surveys will assess trends and suggest factors limiting	Chief Scie Surveys of However, work for 1 more years request for FY 96 wor	ntist's Comments harlequin ducks without statistical 997 and beyond s of effort are pro future work show k.	are a high resto l justification, a should be made posed for this p ald be examined	Trustee Council Action Fund interim costs; defer decision on balance of FY 96 funding until report from prior year (Project B11) is submitted. Consider funding for future years after review of FY 96 work. This project continues a series of studies focusing on injury to and recovery of harlequin ducks in PWS. This information will help determine when current harvest restrictions can be lifted and whether additional actions, such as more cleanup of oiled mussel beds are necessary.						

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration
Seabird/For	rage Fish Ecosystem Project			\$250.7				\$1,938.0	
96163A	Abundance and Distribution of Forage Fish and their Influence on Recovery of Injured Species	NOAA	NOAA	\$6,8				\$711.2	2nd yr 5 yr project
Abstract This study we environment foraging bio Barren Islan food. Measu and net samp with fish dis fish samples parameters of whether com responses to abundance of	will use seabirds as "probes" of the trophic t of PWS and compare their reproductive and logies with similar measurements from the ads, an area with more suitable or abundant prements will be compared with hydroacoustic ples of fish to calibrate seabird performance stribution and abundance. The project will use to compare diet, energetics and reproductive of different forage-fish species to determine apetitive and predatory interactions or different the environment may be favoring the of one fish species over another.	Chief Scie Project to h as voted by startup of t	ntist's Comment be subject of deta the Trustee Con his project.	<u>s</u> iled review in N incil in approvi	November 1995, ng the FY 95	<u>Truste</u> Defer r (fund i hypoth continu inform particu capelin emerge	e Council A pending a p nterim). Pr esis for seven ing decline future fishe larly if com and other se	action roject review oject addres eral seabird to This infor eries manage mercial inte small, oil-ric	with the Chief the intist ses the "is it foc. species that are in mation could help ement decisions, rest in fisheries for the species was to
96163B	Foraging of Seabirds	DOI	DOI	\$25.2		<u>, , , , , , , , , , , , , , , , , , , </u>		\$138.7	2nd yr 5 yr project
<u>Abstract</u> See 96163A.		Chief Scie See 96163	ntist's Comment A.	<u>5</u>		Truster See 96	e Council A 163A.	ction	
96163C	Fish Diet Overlap Using Fish Stomach Content Analysis	NOAA	NOAA	\$41.7				\$133.1	2nd yr 5 yr project
<u>Abstract</u> See 96163A.		Chief Scie See 96163	ntist's Comment. A.	5		<u>Truste</u> See 96	e Council A 163A.	<u>ction</u>	
96163D	Distribution of Forage Fish as Indicated by Puffin Diet Sampling	DOI	DOI	\$12.0				\$72.3	2nd yr 5 yr project
<u>Abstract</u> See 96163A.		Chief Scient See 961632	n <u>tist's Comment</u> A.	5		Trustee See 96	e Council A 163A.	ction !	

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration	
96163E	Black-legged Kittiwakes as Indicators of Forage Fish Availability	DOI	DOI	\$30.6				\$181.8	2nd yr 5 yr project	
<u>Abstract</u> See 96163A.		Chief Scient See 96163A	tist's Comments			Trustee See 961	Council Ac	tion		
96163F	Factors Affecting Recovery of Pigeon Guillemot Populations	DOI	DOI	\$30.6				\$197.8	2nd yr 5 yr project	$(\widehat{})$
Abstract See 96163A.		Chief Scient See 96163A	tist's Comments	·····		<u>Trustee</u> See 961	Council Ac 63A.	<u>stion</u>		
96163 G	Diet Composition, Reproductive Energetics, and Productivity of Seabirds	NOAA	Roby/UAF	\$3.8				\$186.5	2nd yr 5 yr project	
Abstract See 96163A.		<u>Chief Scient</u> See 96163A	ist's Comments		······································	<u>Trustee</u> See 961	Council Ac 63A.	tion		
961631	APEX Planning and Project Leader	DOI	DOI	\$56.9				\$124.2	2nd yr 5 yr project	
Abstract See 96163A.		<u>Chief Scient</u> See 96163A.	ist's Comments			<u>Trustee</u> See 961	Council Ac 63A.	tion		
96163J	Barren Islands Seabird Studies	DOI	DOI	\$20.5				\$98.7	2nd yr 5 yr project	
<u>Abstract</u> See 96163A.		<u>Chief Scient</u> See 96163A.	ist's Comments			<u>Trustee</u> See 961	Council Ac 63A.	tion.		
96163K	Using Predatory Fish to Sample Forage Fish	DOI	DOI	\$4.7				\$20.4	2nd yr 5 yr project	
<u>Abstract</u> See 96163A.		<u>Chief Scient</u> See 96163A.	ist's Comments			<u>Trustee</u> See 961	<u>Council Ac</u> 63A.	tion y		

Proj. No.	Title	Lead Agency	\$ Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration
96163L	Historical Review of Ecosystem Structure in the PWS/GOA Complex and Abundance and Distribution of Forage Fish in the Barren Islands	DOI	DOI	\$17.9				\$73.3	2nd yr 5 yr project
<u>Abstract</u> See 96163A	.	<u>Chief Scie</u> See 96163.	ntist's Commen A.	<u>ts</u>		<u>Truste</u> See 96	e Council A 163A.	ction	
Seabird/For	rage Fish Related Projects			\$507.6	\$75.0	\$39.9	\$0.0	\$672.5	$\overline{)}$
96031	Development of a Productivity Index to Monitor the Reproductive Success of Marbled and Kittlitz's Murrelets in Prince William Sound, Alaska	DOI	DOI	\$67.6	\$50.0	\$39.9	\$0.0	\$207.5	2nd yr. 4 yr. project
William Sound, Alaska <u>Abstract</u> This project will develop a means to monitor the productivity of marbled and Kittlitz's murrelets. The reproductive success of these two non-colonial seabirds can not be monitored using standard techniques. To develop a productivity survey protocol, murrelets will be surveyed at sea to determine the timing and abundance of juveniles, the ratio of juveniles to adults and the coastal and marine features that best predict juvenile abundance. By monitoring murrelet productivity in relation to population trends, this index can eventually be used to determine what factors influence murrelet recovery.		Chief Scie An index of product for past Trusto synthesized review of h	ntist's Commen of marbled mura the restoration e-sponsored ma d and published 995 data.	ts elet productivity program. In add arbled murrelet w . Consider for fu	is a desirable lition, results of ork need to be nding after	<u>Truste</u> Fund c murrel survey Noven	e Council A close-out of I let studies. I s in FY 96 p aber.	<u>ction</u> FY '95 work Defer decisio pending the	and synthesis of prior on on new murrelet APEX (96163) review in
96101	Removal of Introduced Foxes From Islands	DOI	DOI	\$8.4	\$0.0	\$0.0	\$0.0	\$8.4	3rd yr. 3 yr. project
Abstract Populations (black oyste will be allow foxes from S directly affe particularly species beca and remnan	of three species of birds injured by the oil spill ercatcher, pigeon guillemot and common murre) wed to increase by removing introduced arctic Seguam Island. Although it is outside the area ected by the oil spill, Seguam Island has a high potential for restoring populations of these suse it contains substantial amounts of habitat t populations of all three species are present.	Chief Scie I have supp cost restors is far from the spill, b replacement take concrused.	ntist's Commen ported fox remo- ation technique the spill zone. ut would have t nt/equivalent re ete measures of	ts val as a highly ef One issue is tha Target species w o be justified on source basis. Eve program effective	fective but low it Seguam Island ere injured by ery opportunity t eness should be	Truste Fund c 1 new w spill-a	e Council A close-out of j ork at Segua ffected popu	ction prior work (am Island be llations is no	95041). Do not fund cause the benefit to ot established.

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration	
96142-BAA	Status and Ecology of Kittlitz's Murrelet in Prince William Sound	NOAA	ABR, Inc.	\$168.7				\$168.7	lst yr.	
Abstract This project Kittlitz's Mu fjords of Pri evaluate the this little kn feeding hab about the ef understandi its long-term	would investigate the status and ecology of irrelet, a rare seabird breeding in glaciated nce William Sound (PWS). The study will abundance, distribution, and productivity of iown seabird and assess its habitat use and its in northwestern PWS. Given uncertainty fects of the oil spill on this species, a better ng of its status and ecology is required to ensure n conservation.	Chief Scie This is an perhaps th knowledge justified. T restoration an extensiv be reviewe whether th large scale	ntist's Comment excellent propos e most injured o of this species i This project may actions. The in ve background in d after the first y e mapping work to be of use on t	ts cal on a bird spea f any by the spil is so sketchy that be useful for di investigator is we n alcid biology. year to assess pro- t will be done at the ground.	cies that was l. Our t this project is scovering ll qualified with The study shoul ogress and a sufficiently	Truste Fund F FY 96 world- popula the oil d on a ra identif	<u>Trustee Council Action</u> Fund FY 96 only; future years' funding dependent on FY 96 results. Kittlitz's Murrelet has a small world-wide population, and, proportionate to that population, it may have been the species hardest hit t the oil spill. This study will gather basic information on a rare, poorly known seabird, which may low of identification of restoration measures.			
96159	Surveys to Monitor Marine Bird Abundance In Prince William Sound During Winter and Summer 1996	DOI	DOI	\$262.9	\$25.0			\$287.9	1st yr. 2 yr. project	
Abstract We propose abundance of March and 3 bird and 8 m in 1996 will 1989-96 and populations those in the PWS from 1	to conduct small boat surveys to monitor of marine birds and sea otters in PWS during July 1996. Previous surveys have observed >65 narine mammal species in PWS. Data collected be used to examine trends from summer I from winter 1990-96 by determining whether in the oiled zone changed at the same rate as unoiled zone. Overall population trends for 989-96 also will be examined.	<u>Chief Scie</u> This is a se otters. The similar dat power anal change in proposed b in light of reviewed w resources a	ntist's Comment olid proposal for e surveys have b a from 1984 - 8 lysis that indicat populations with iannual monitor the analysis, bu with regard to ba and ecological in	ts monitoring seal een done since 1 5. The proposer tes a low power of infrequent sam ring schedule ap t future commit- lance between m westigations.	birds and sea 1989 and there a s have done a of detecting pling. The pears reasonable ments should be nonitoring injure	Truste Fund f re monito survey: recove: otters)	e Council A for this mon- bring will be s provide ba ry of an enti in PWS.	ction itoring cycle e evaluated w sic informat re suite of m	only. Future when proposed. The ion on status and marine birds (and sea	

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration		
Subsistence	e Projects			\$878.4	\$756.0	\$540.1	\$1,177.4	\$3,448.7			
96009D	Survey of Octopuses in Intertidal Habitats	USFS	PWSSC	\$37.2	\$40.9	\$0.0	\$0.0	\$174.9	2nd yr. 3 yr. project		
Abstract This project been deplete impaired. T feasibility of suitable stud year (FY96) octopus in t Close-out co	t addresses concerns that octopus and chiton have ed by EVOS and that subsistence uses are The first year (FY95) is to establish the f working on octopus in the Sound, identify dy sites, and evaluate techniques. The second) will focus on the vertical distribution of he nearshore where they are harvested. osts are requested in the third year (FY97).	Chief Scie Defer decis	ntist's Comments	of FY 95 field s	eason available.	Truste Defer availal concer EVOS	<u>Trustee Council Action</u> Defer decision until results of FY 95 field season are available (fund interim). Project is designed to concern that octopus and chiton have been dependent EVOS and that subsistence uses are impaired.				
96052	Community Involvement & Use of Traditional Knowledge	ADFG	CRRC	\$261.0	\$250.0	\$250.0	\$1,000.0	\$1,7 61.0	2nd yr. 8 yr. project		
Abstract This project Commission 95. This pr communica working on organization oil spill. Th complement knowledge.	t, submitted by the Chugach Regional Resources n (CRRC), will continue a program begun in FY oject will encourage and facilitate tion among the Trustee Council, researchers oil spill restoration projects, regional ns and residents of communities impacted by the he goal is to make optimal use of the tary nature of scientific data and traditional	Chief Scie Addresses interaction members.	ntist's Comments needed restoratio s between EVOS	n work by furth scientists and c	ering community	Truste Fund. facilit: Truste comm	e Council A This projec ate commun e Council, s unities impa	Action et will contin ication and i iccientists, and acted by the o	ue a program to nteraction among the d residents of bil spill.		

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration	
96127	Tatitlek Coho Salmon Release	ADFG	Tatitlek IRA	\$26.6	\$15.9	\$15.9	\$15.9	\$74.3	2nd yr. 5 yr. project	
Abstract		Chief Scie	entist's Comments		•	Truste	e Council A	ction		
Project will near Tatitle smolts will incubated a Hatchery, t Boulder Ba 3,000 adult subsistence	I create a coho salmon return to Boulder Bay ek village. Enough coho eggs to produce 20,000 be collected from an ADF&G approved stream, and reared to smolt at the Solomon Gulch ransported and held for two weeks in net pens in by before release. Release will produce a 2,000 to t return to Boulder Bay for harvest in a fishery.	Excellent However, maximum	project, technicall Trustee Council fi of one life cycle c	y sound, highly unding should t of coho (approx	feasible. be limited to imately 4 years	Fund. Fund for 4 years (one coho life cycle). Project will create a coho salmon run near Tatitlek as a replacement resource for subsistence resources injured by the oil spill.				
96210	Prince William Sound Youth Area Watch	ADFG	Chugach RRC	\$115.0	[·] \$100.0	\$100.0	\$0.0	\$315.0	1st yr. 3 yr. project	
Abstract Students fro areas will p Prince Will researchers youth regar their involved involved in mammal ob octopus stud	om Chenega Bay, Tatitlek and some outlying participate in research projects identified by the liam Sound Science Center and other EVOS . The objective is to increase the awareness of rding the effects of the oil spill and encourage /ement in research/restoration. Students will be oceanographic testing, fish monitoring, bird and oservations, pristane/mussel analysis and dies.	Chief Scie A solid pr the scienti presented	entist's Comments oposal for a pilot p fic aspects of the p and integrated pro	project to involv restoration prog pposal.	ve local youth i ram. Well	Truste n Fund a spent o comple approv	e Council A s a pilot pro n this projecte, liability al is receive	ction ject. Howev t until legal concerns are d from the E	ver, no funds should be and budget review are e resolved, and final Executive Director.	
96214	Documentary on Subsistence Harbor Seal Hunting in PWS	ADFG	Tatitlek Village	\$77.4	\$0.0	\$0.0	\$0.0	\$77.4	1st yr. 1 yr. project	
Abstract		Chief Scie	entist's Comments			Truste	e Council A	rtion		
The purpos subsistence document a ecological a harbor seals will enhance providing a	e of this project is to make a documentary on hunting of harbor seals in PWS. This video will all facets of harbor seal hunting including the and biological knowledge hunters use to hunt s. By documenting this knowledge, the project the the restoration of the seal population by n indigenous hunter's perspective on harbor seal	Project is an excellent idea. Will directly serve the interests of the communities, and will assist restoration of harbor seals by allowing subsistence users to make better decisions about the resource.					Fund.			
ecology.	n indigenous hunter's perspective on harbor seal							•		

Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration		
96220	Eastern PWS Wildstock Salmon Habitat Restoration	USFS	Eyak Nat Vill	\$85.1	\$115.0	\$12.0	\$0.0	\$212.1	lst yr. 3 yr. project		
Abstract This project from the oil eastern Prin improvement structures, v increase the additional s	t will replace lost subsistence services resulting l spill by increasing wild salmon production in nece William Sound. Instream fisheries habitat nt techniques, primarily the installation of log will be employed by local subsistence users to e capability of selected streams to produce salmon.	Chief Scientist's CommentsTrusteeGood community involvement. Compatible with Trustee Council guidelines on fish supplementation. Excellent technically.Trustee Council ActionFund, although the specific funding mechani to be resolved. The project proposal was sub- a private entity who would like to do the wor However, the project may be awarded throug competitive process. This project will replac subsistence services lost due to the oil spill b increasing wild salmon production in PWS.						nding mechanism needs oposal was submitted by to do the work. warded through a ect will replace the oil spill by ttion in PWS.			
96225	Port Graham Pink Salmon Subsistence Project	ADFG	Port Graham	\$95.3	\$83.1	\$77.2	\$161.5	\$417.1	1st yr. 5 yr. project		
Abstract This project will help supply pink salmon for subsistence use in the Port Graham area during the broodstock development phase of the Port Graham hatchery. Because local runs of coho and sockeye salmon, which are the more traditional salmon subsistence resources, are at low levels, pink salmon are now heavily relied on for subsistence This project will help ensure that pink salmon remain available for subsistence use until the more traditional species are rejuvenated.		<u>Chief Scientist's Comments</u> Potentially worthwhile project that should supplement pink salmon production for the benefit of subsistence users.				 <u>Trustee Council Action</u> Fund. Project is intended to increase the availability of pink salmon for subsistence use, replacing runs of coho and sockeye salmon depleted since the oil spill. 					
96244	Community-Based Harbor Seal Management and Biological Sampling	ADFG	ANHSC	\$128.5	\$100.0	\$85.0	\$0.0	\$313.5	3rd yr. 5 yr. project		
Abstract The goal of the project is to facilitate the involvement of subsistence users of harbor seals in the restoration of this species through two workshops, conducting biological sampling, collection and application of traditional knowledge, and development of a traditional knowledge database. A subcontract with the Alaska Native Harbor Seal Commission will contribute to developing a meaningful role for subsistence hunters in research and restoration activities.		<u>Chief Scientist's Comments</u> This is a well integrated and technically feasible project.					<u>Trustee Council Action</u> Fund. This project will follow through on recommendations from workshops supported through previous Trustee Council projects. Subsistence users will be involved in harbor seal restoration through collecting biological samples from subsistence-taken animals, and a traditional knowledge database will be developed and distributed.				

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration
96272	Chenega Chinook Release Program	ADFG	PWSAC	\$52.3	\$51.1	\$0.0	\$0.0	\$103.4	3rd yr. 4 yr. project
Abstract Chinook sa Noerenberg to the nativ returning to resources a Two releas multi-year 1996 and 1 1,000 adult	Imon incubated and reared at the Wally g Hatchery will be released in Crab Bay, adjacent e community of Chenega. Adult salmon o the site of release will provide replacement nd associated services injured by the oil spill. es have taken place (1994 & 1995) as part of this project. Adult salmon will begin returning in 997, with larger numbers projected at nearly fish returning in 1998 and thereafter.	Chief Scien Excellent p supplement continued 7 pending pr	ntist's Commen roposal. Good ation criteria. Frustee Council oject review in	ts match with Trust Good local involv funding through Fall 1996 to asses	ee Council's fi ement. Sugge at least FY 97 s effectiveness	TrusteshFund tistleast F,Project,subsistthe pronon-Tr	e Council A hrough one Y 97). Rev will provid ence salmon posers shou rustee fundi	<u>cction</u> full chinook iew effective le replaceme n injured by ild develop a ng.	s salmon life cycle (at eness in fall of 1996. nt resources for the oil spill. However, a plan for a trans
Archaeolo	gical Resources			\$500.7	\$195.0	\$195.0	\$135.0	\$1,025.7	
96007A	Archaeological Index Site Monitoring	ADNR	ADNR	\$141.6	\$135.0	\$145.0	\$135.0	\$556.6	2nd yr. 5 yr. project
Abstract Chief Scientist's C Monitoring of archaeological sites on public land injured by vandalism and oiling will concentrate on a sample of index sites in the three regions of the spill. Oiled sites will be tested for re-introduced oil. The 10-year project will end at five years if monitoring shows no continued injury.				ts sal that represents ological site moni ations with Native	the minimum toring. There groups.	Truste Fund. is consul continu vandal five ye	e Council A Proposer sl tation with ued monitor lism and oil ars if monit	Action hould contin Native group ring of archa ing. The ter coring shows	ue and expand os. The project provides eological sites injured by a year project will end at no continued interval
96007B	Site Specific Archaeological Restoration	USFS	USFS	\$78.4	\$0.0	\$0.0	\$0.0	\$78.4	3rd yr. 3 yr. project
Abstract Funding is Service's at SEW-488. 94007 and gathered du peer-review according to complete th these sites	requested for the final phase of the Forest rchaeological restoration at sites SEW-440 and Project 96007B is a continuation of projects 95007B. Analysis and interpretation of data uring previous field work will result in a ved final report, prepared and distributed to Trustee Council procedures. This will he restoration process initially prescribed for in 1991.	Chief Scie. This is a cl budget app Native grou	ntist's Commen ose-out of a pre ears reasonable ups are required	t <u>ts</u> eviously funded pr c. Continued cons d by federal law.	oject. The ultations with	<u>Truste</u> Fund. Native work t	e Council A Proposer sl groups. Pr o restore ar	Action hould contin coject closes chaeological	ne consultation with out previously funded sites in the spill area.

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration		
96149	Archaeological Site Stewardship	ADNR	ADNR	\$74.4	\$60.0	\$50.0	\$0.0	\$184.4	lst yr. 3 yr. project		
Abstract The archae training an monitor va beyond the stewards w Uganik Ba Peninsula. local aware	ological site stewardship program will provide d coordination for a cadre of volunteers to ndalized archaeological sites in the oil spill area ability of agency monitoring. Volunteer site ill protect damaged sites in Kachemak Bay, y, Uyak Bay and the Chignik area of the Alaska Further protection will come from increased eness of harm from site vandalism.	Chief Scie: The concep serve as a t residents.	ntist's Comment of was favorably useful model for	ts reviewed. This protection of sin	s project could tes by local	Truste Fund. coordin archae curren After H volunt	Trustee Council Action Fund. The project will provide training and coordination for volunteers to monitor vandalized archaeological sites in the oil spill area. This effor currently beyond the ability of agency monitoring. After FY 98, expenses will be assumed either volunteer stewards or agency budgets.				
96154	Comprehensive Community Plan for Restoration of Archaeological Resources in PWS and Lower Cook Inlet	USFS	Chugach HF	\$206.3				\$206.3	lst yr. 1 yr. project		
Abstract This project approach trassistance Spill Impa developme facility	et would provide coordinated and cost-effective o the provision and delivery of technical planning services to each of the Chugach Oil cted Region communities engaged in the nt of a cultural center or subsistence restoration be project is designed to facilitate a region-wide	<u>Chief Scientist's Comments</u> A well presented and complete proposal for local restoration of archaeological resources affected by the spill, concentrating on storage and display of artifacts in the spill area. I recommend this planning effort.					 <u>Trustee Council Action</u> Fund. Project description has been revised to reflect a comprehensive community planning effort. 				
effort, coor service eler planning a subsistence long-term	redinate and provide for the various technical ments associated with and essential to the nd development of community cultural centers or e restoration facilities and their attendant programs.								. 0		

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Proj. No.	Title	Lead Agency	Proposer	Approved 8/25/95	FY97 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration
Reducing	Marine Pollution			\$28.3				\$28.3	
96115	Sound Waste Management Plan	ADEC	PWS Econ DC	\$28. 3				\$28.3	2nd yr. 2 yr. project
Abstract The Sound plan to ide pollution a recovery of Valdez Oi planning b will be to i variety of s	d Waste Management Plan is a comprehensive entify and remove the major sources of marine and solid waste in PWS that may be affecting f resources and services injured by the Exxon l Spill. This request completes the first phase begun in FY 95. The following phases of the plan implement these solutions using funds from a sources, possibly including the Trustee Council.	Chief Scientist's Comments Trustee Council Action Prior work won't come to fruition if these final funds are not supplied in 1996. In theory, this project could speed recovery of injured species but those linkages are not clear. Future funding requests need close scrutiny. Trustee Council Action n Trustee Council Action							orehensive planning for e appropriate strees on, some of which y d resources and services.
Habitat Ir	nprovements			\$560.6	\$800.0	\$600.0	\$0.0	\$1,960.6	
96180	Kenai Habitat Restoration & Recreation Enhancement Project	ADNR	ADNR	\$ 5 60,6	\$800.0	\$600.0	\$0.0	\$1,960.6	lst yr. 3 yr. project
Abstract Adverse ir approxima Included ir shoreline of impacted b developmen habitat for species inj objectives wildlife ha the values habitat con	mpacts to the banks of the Kenai River total ately 19 miles of the river's 166 mile shoreline. In this total are 5.4 river miles of degraded on public land. Riparian habitats have been by trampling, vegetation loss and structural ent. This riparian zone provides important pink salmon, sockeye salmon and Dolly Varden, ured by the <i>Exxon Valdez</i> oil spill. The project's are to restore injured fish habitat, protect fish and abitat, enhance and direct recreation and preserve and biophysical functions that the riparian ntributes to the watershed.	Chief Sci This is a informati work that <i>Exxon Va</i> is a stron, that are in species of	entist's Comment well presented pro- on provided helps is being carried of <i>ldez</i> criminal sett g project aimed an nportant to the re commercial and	<u>S</u> oposal, and the su s to clarify the reli- out with funds pro- lement and other t the direct restora ecovery of sockeye recreational impo	applementary ationship to ovided from th sources. This ation of habitat and other fish ortance.	Truste Fund. the ber question ts relative relative Furthe	e Council A This projec nefit of sock ercial and ro ons remain e to other so r informatio	Action et will aid res reve salmon ecreational is about specifi purces of stat on will be pr	storation of habitat for and other fish species of mportance. Some c use of Trustee e and federal support. ovided prior to 8/25/95.

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Proj. No.	Title	Lead Agency Proposer	Approved FY97 8/25/95 Estimate	FY 98 Estimate	FY 99 to end Estimate	Total FY 96 to end Estimate	Project Duration	
		Total Approved 8/25/95:	\$13,670.7					
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