



MSSW Work Plan Appendix A

ProjectID	Title	Sponsor	Province	Technical Criteria								Management Criteria						
				T1	T2	T3	T4	T5	T6	T7	T8	M1	M2	M3	M4	M5	M6	M7
35013	Species- and site-specific impacts of gas supersaturation on aquatic animals	U.S. Geological Survey-Biological Resources Division, Columbia River Research Lab	Mainstem/Systemwide	Y	Y	Y	na	Y	N	na	Y	Y	Y	na	N	Y	Y	na
35014	Measurement of Quantitative Genetic Variation Among Columbia River Basin Chinook Propagation Programs	Columbia River Inter-Tribal Fish Commission/University of Idaho (Aquaculture Research Institute)	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
35015	Replicated stream system for the evaluation of hatchery and wild juvenile salmonid interaction and development of innovative culture technologies	University of Idaho/Columbia River Inter Tribal Fisheries Commission	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	N	Y	Y	na
35016	A Pilot Study to Test Links Between Land Use / Land Cover Tier 1 Monitoring Data and Tier 2 and 3 Monitoring Data	Northwest Fisheries Science Center	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	N	Y	Y	na
35017	Inventory and Synthesis of Physical Process Models and Methods to Supplement Habitat Conditions Analysis and Subbasin Planning	KWA Ecological Sciences, Inc. and Golder Associates Inc.	Mainstem/Systemwide	N	N	N	Y	N	N	Y	Y	Y	N	na	N	N	N	na
35018	Evaluate recreational and commercial mark-selective fisheries.	Washington Department of Fish and Wildlife; University of Idaho	Mainstem/Systemwide	Y	Y	Y	na	Y	N	Y	Y	Y	Y	na	Y	na	Y	na
35019	Develop and Implement a Pilot Status and Trend Monitoring Program for Salmonids and their Habitat in the Wenatchee and Grande Ronde River Basins	National Marine Fisheries Service, Northwest Fisheries Science Center	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
35020	Regional Project Effectiveness Monitoring Program for Columbia River Basin Listed Anadromous Salmonids.	National Marine Fisheries Service, Northwest Fisheries Science Center	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
35021	Purchase And Evaluation of Automated Marking and Tagging Systems (MATS)	Oregon Department of Fish and Wildlife	Mainstem/Systemwide	N	N	Y	na	Y	N	na	Y	Y	N	na	N	Y	Y	na

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35022	Habitat Mitigation Tracking System	STEWARD AND ASSOCIATES	Mainstem/Systemwide	Y	N	N	na	Y	N	Y	Y	Y	Y	na	N	Y	Y	na
35023	Establish Relationship between Fish Passage Survival and Turbine Operating Efficiency	Normandeau Associates	Mainstem/Systemwide	N	Y	Y	na	Y	N	Y	Y	Y	Y	na	N	N	Y	na
35024	Evaluating the sublethal impacts of current use pesticides on the environmental health of salmonids in the Columbia River Basin.	National Marine Fisheries Service/Northwest Fisheries Science Center	Mainstem/Systemwide	Y	Y	Y	na	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
35025	Optimization of FCRPS Impacts on Juvenile Salmonids: Restoration of Lower-Estuary and Plume Habitats	Oregon Health & Science University, OGI School of Science and Engineering, Department of Environmental Science and Engineering	Mainstem/Systemwide	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	N	Y	na
35026	On-line Subbasin Planning/Watershed Newsletter	Intermountain Communications	Mainstem/Systemwide	na	Y	Y	N	na	N	na	Y	Y	na	na	N	Y	na	na
35027	Evaluation of Two Captive Rearing Methods for Assisting with Recovery of Naturally Spawning Populations of Steelhead and Coho Salmon	U.S. Fish & Wildlife Service, U.S. Department of the Interior	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
35028	Evaluate White Sturgeon Nutritional Needs & Contaminant Effects Influenced by the Hydroelectric System	Portland State University	Mainstem/Systemwide															
35029	Transfer IHN virus genetic strain typing technology to fish health managers	USGS, BRD, Western Fisheries Research Center	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	N	Y	Y	na

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35030	Evaluate potential to enhance spawning of summer/fall chinook salmon in the tailrace of Chief Joseph Dam, Columbia River	Pacific Northwest National Laboratory and Colville Confederated Tribes	Mainstem/Systemwide	Y	Y	Y	na	na	N	Y	Y	Y	N	na	N	Y	Y	na
35031	Tagging Study Technical Committee	Bonneville Power Administration	Mainstem/Systemwide	Y	Y	Y	na	na	N	na	Y	Y	na	na	N	Y	Y	na
35032	Assess the Feasibility of Reducing Predation on Juvenile Salmonids in the Columbia River Through Operation of the Hydropower System	U. S. Geological Survey; Oregon Department of Fish and Wildlife	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
35033	Collaborative, Systemwide Monitoring and Evaluation Program.	Columbia Basin Fish and Wildlife Authority	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
35034	Fish Behavioral Guidance Through Water Velocity Modification PHASE ONE	Natural Solutions in Cooperative Agreement with BioSonics Inc.	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	na
35035	Incorporating Pit Tag Technology to Evaluate and Monitor the Reintroduction Effort for Anadromous Salmonids in the Upper Cowlitz Watershed	Washington State Dept. Fish & Wildlife	Mainstem/Systemwide	Y	Y	Y	na	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
35036	Identify the mechanisms of stranding of juvenile fall chinook salmon in the Hanford Reach	U.S. Geological Survey; U.S. Fish and Wildlife Service	Mainstem/Systemwide	Y	Y	Y	Y	na	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
35037	Measuring the potential for domestication selection of spawn timing in chinook captive and supplementation programs; implications for recovery.	School of Aquatic and Fishery Sciences, University of Washington and Northwest Fisheries Science Center, National Marine Fisheries Service	Mainstem/Systemwide	Y	Y	?	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
35038	Develop Computational Fluid Dynamics Model to Predict Total Dissolved Gas Below Spillways	ENSR International, Inc.	Mainstem/Systemwide	Y	Y	Y	na	Y	N	na	Y	N	Y	na	N	Y	N	na
35039	The influence of hatcheries and their products on the health and physiology of naturally rearing fish	U.S. Geological Survey	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
35040	Determination of post-release survival of spring chinook salmon in a mark-selective sport fishery	Pacific Northwest National Laboratory	Mainstem/Systemwide	Y	Y	Y	na	na	N	Y	Y	Y	N	na	N	Y	Y	na

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35041	Monitoring the reproductive success of naturally spawning hatchery and natural spring chinook salmon in the Wenatchee, Tucannon, and Kalama Rivers	Washington Department of Fish and Wildlife, National Marine Fisheries Service	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
35042	Evaluate the Effects of Prey Availability on Recruitment of White Sturgeon in the Columbia River	U.S. Geological Survey	Mainstem/Systemwide															
35043	Monitoring and Models for Adaptive Management of White Sturgeon	US Geological Survey	Mainstem/Systemwide															
35044	Determine Effects of Contaminants on White Sturgeon Reproduction and Parental Transfer of Contaminants to Embryos in the Columbia River Basin	Oregon State University	Mainstem/Systemwide	Y	Y	Y	na	Y	N	na	Y	Y	Y	na	Y	N	Y	na
35045	Modeling and Information Management System to Assess Effectiveness of Alternative Actions	Pacific Northwest National Laboratory	Mainstem/Systemwide	Y	Y	N	na	Y	N	Y	Y	Y	N	na	Y	Y	Y	na
35046	Estimate juvenile salmon residence in the Columbia River Plume using micro-acoustic transmitters.	National Marine Fisheries Service	Mainstem/Systemwide	Y	Y	Y	Y	na	N	Y	Y	Y	Y	na	Y	Y	Y	na
35047	Evaluate Delayed (Extra) Mortality Associated with Passage of Yearling Chinook Salmon Smolts through Snake River Dams	National Marine Fisheries Service	Mainstem/Systemwide	N	N	Y	Y	N	N	na	Y	Y	Y	na	N	N	Y	na

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35048	NWFSC Salmon Data Management, Analysis, and Access for Research Monitoring and Evaluation Programs	National Marine Fisheries Service, Northwest Fisheries Science Center	Mainstem/Systemwide	Y	Y	N	na	Y	N	Y	Y	Y	Y	na	Y	N	Y	na
35049	A multiscale evaluation of steelhead supplementation in the West Fork Elochoman River	National Marine Fisheries Service	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
35050	UW Offsite Habitat and Fish Survival Effectiveness Monitoring	Univristy of Washington	Mainstem/Systemwide	N	N	Y	N	N	N	Y	Y	Y	N	na	N	N	N	na
35051	Evaluate Feasibility of a System-wide Multi-Agency Fish, Wildlife & Habitat Conservation Enforcement Web-Based Data Center	Steven Vigg & Company	Mainstem/Systemwide	Y	Y	Y	na	na	N	na	Y	Y	Y	na	Y	Y	Y	na
35052	Conservation Enforcement to Enhance and Restore Fish & Wildlife Resources of the Upper Columbia River under Jurisdiction of the Colville Tribes	Confederated Tribes of the Colville Reservation	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	Y
35053	Biological Feasibility of Reintroducing Fishwheels to the Columbia River System	Steward and Associates	Mainstem/Systemwide	Y	Y	Y	N	na	N	Y	Y	Y	N	na	N	Y	Y	na
35054	Engaging the Public in Watershed Planning: A Tool Box for Cultural Shift	Columbia Basin Fish & Wildlife Authority, in partnership with Watershed Legacy Learning Community	Mainstem/Systemwide	Y	Y	Y	N	na	na	na	Y	Y	na	na	Y	na	na	na
35055	Role of Bacteria as Indicator Organisms for Watershed Assessment and in Determining Fish Pathogen Relationships with Fauna of Abernathy Creek	US Fish and Wildlife Service Abernathy Fish technology Center	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
35056	Develop Human Resources Necessary to Exercise Co-Management Responsibilities	Columbia River Inter-Tribal Fish Commission	Mainstem/Systemwide	na	Y	Y	na	na	N	na	Y	na	na	na	N	na	na	na
35057	Habitat Condition and Restoration Potential of Columbia River Flood Plains: A Critical, Missing Element of Fisheries Recovery Science and Policy	The University of Montana	Mainstem/Systemwide	Y	Y	Y	Y	na	N	Y	Y*	Y	Y	Y	N	N	Y	Y
35058	Evaluation of food availability and juvenile salmonid growth rates under differing thermal and sediment regimes.	Columbia River Inter-Tribal Fish Commission	Mainstem/Systemwide	N	N	Y	na	na	N	na	Y	Y	N	na	N	na	Y	na
35059	Rapid Detection of White Sturgeon Iridovirus in Spawning Fluids, Eggs and Juvenile Tissues of White Sturgeon	Abernathy Fish Technology Center, U. S. Fish & Wildlife Service	Mainstem/Systemwide															
35060	Instream evaluation of populations, migration, individual adult return and wild-hatchery interactions of naturally produced salmonids	United States Fish and Wildlife Service	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na



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198712700	Smolt Monitoring by Federal and Non-Federal Agencies	Pacific States Marine Fisheries Commission	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	N	Y	Y	na
198740100	Assessment of Smolt Condition: Biological and Environmental Interactions	USGS,CRRL	Mainstem/Systemwide	?	?	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
198810804	StreamNet	Pacific States Marine Fisheries Commission	Mainstem/Systemwide	Y	Y	Y	na	Y	Y	N	Y	Y	Y	na	Y	Y	Y	na
198906201	Fish and Wildlife Program Implementation	Columbia Basin Fish & Wildlife Authority	Mainstem/Systemwide	na	Y	Y	na	na	N	na	Y	Y	na	na	Y	Y	na	na
198906500	Annual Stock Assessment - CWT (USFWS)	US Fish and Wildlife Service	Mainstem/Systemwide	Y	Y	Y	na	Y	N	na	Y	Y	Y	na	Y	Y	Y	na
198907201	Independent Scientific Advisory Board Support	Department of Energy/Oak Ridge National Laboratory	Mainstem/Systemwide	na	na	na	na	na	na	na	na	Y	na	na	N	N	Y	na
198909600	Monitor and evaluate genetic characteristics of supplemented salmon and steelhead	National Marine Fisheries Service, Northwest Fisheries Science Center	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na



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198910700	Statistical Support for Salmonid Survival Studies	University of Washington	Mainstem/Systemwide	Y	Y	?	na	Y	N	na	Y	Y	Y	na	N	N	Y	na
199007700	Northern Pikeminnow Management Program	Pacific States Marine Fisheries Commission	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	N	Y	Y	na
199008000	Columbia Basin Pit Tag Information System	Pacific States Marine Fisheries Commission	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
199009300	Genetic Analysis of <i>Oncorhynchus nerka</i> (modified to include chinook salmon)	University of Idaho	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
199105100	Monitoring and Evaluation Statistical Support	University of Washington	Mainstem/Systemwide	Y	Y	?	na	Y	N	na	Y	Y	Y	na	N	N	Y	na

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199105500	Natural Rearing Enhancement Systems (NATURES)	National Marine Fisheries Service	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
199302900	Estimate Survival for the Passage of Juvenile Salmonids Through Dams and Reservoirs of the Lower Snake and Columbia Rivers	National Marine Fisheries Service	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
199305600	Assessment of Captive Broodstock Technologies	National Marine Fisheries Service	Mainstem/Systemwide	Y	Y	Y	na	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
199403300	The Fish Passage Center	Pacific States Marine Fisheries Commission	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
199600500	Independent Scientific Advisory Board	Columbia Basin Fish and Wildlife Foundation	Mainstem/Systemwide	na	na	na	na	na	na	na	na	Y	na	na	N	N	Y	na
199601900	Second-Tier Database Support	University of Washington	Mainstem/Systemwide	Y	N	Y	Y	Y	N	Y	Y	Y	Y	na	N	Y	Y	na
199602000	Comparative Survival Rate Study (CSS) of Hatchery Pit Tagged Chinook & Comparative Survival Study Oversight Committee	Pacific States Marine Fisheries Commission & Columbia Basin Fish & Wildlife Foundation	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	N	Y	Y	na
199602100	Gas bubble disease research and monitoring of juvenile salmonids	U.S. Geological Survey-Biological Resources Division, Columbia River Research Lab	Mainstem/Systemwide	Y	Y	Y	na	Y	N	na	Y	Y	Y	na	N	Y	Y	na

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199606700	Manchester Spring Chinook Broodstock Project	National Marine Fisheries Service	Mainstem/Systemwide	Y	Y	Y	Y	?	N	Y	Y	Y	Y	na	Y	Y	Y	na
199702400	Avian Predation on Juvenile Salmonids in the Lower Columbia River	Oregon State University/U.S. Geological Survey/Columbia River Inter-Tribal Fish Commission/Real Time Research	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
199705900	Securing Habitat Mitigation Sites - Oregon	Oregon Mitigation Coalition	Mainstem/Systemwide	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
199800401	Electronic Fish and Wildlife Newsletter	Intermountain Communications	Mainstem/Systemwide	na	Y	Y	na	na	N	na	Y	na	na	na	N	Y	na	na
199800800	Regional Forum Facilitation Services	Project is requested by the National Marine Fisheries Service, NOAA, DOC	Mainstem/Systemwide	Y	Y	Y	na	na	N	na	Y	Y	N	na	Y	Y	na	na
199803100	Implement Wy-Kan-Ush-Mi Wa-Kish-Wit Watershed Assessment and Restoration Plan Now	Columbia River Inter-Tribal Fish Commission	Mainstem/Systemwide	na	Y	Y	na	na	N	na	Y	Y	na	na	Y	Y	na	na
199900301	Evaluate Spawning of Fall Chinook and Chum Salmon Just Below the Four Lowermost Mainstem Dams	Pacific States Marine Fisheries Commission, Oregon Department of Fish and Wildlife, U.S. Fish and Wildlife Service, U.S. Geological Survey, Pacific Northwest National Laboratory	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	Y

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200000700	Infrastructure to Complete FDA Registration of Erythromycin	University of Idaho, College of Natural Resources	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
200001700	Kelt Reconditioning: A Research Project to Enhance Iteroparity in Columbia Basin Steelhead ( <i>Oncorhynchus mykiss</i> )	Columbia River Inter-Tribal Fish Commission	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
200002900	Identification and thermal requirements of larval Pacific, river, and western brook lampreys	United States Geological Survey	Mainstem/Systemwide	Y	Y	Y	na	na	na	Y	Y	Y	Y	na	N	Y	Y	na
200005200	Upstream migration of Pacific lampreys in the John Day River: behavior, timing, and habitat use	U.S. Geological Survey	Mainstem/Systemwide	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	na	Y	Y	Y	na
200005500	Enhanced Conservation Enforcement for Fish and Wildlife Watersheds of the Nez Perce	Nec Perce Tribe - Conservation Enforcement Department	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	Y
200005600	Protect Anadromous Salmonids in the Mainstem Corridor	Columbia River Inter-Tribal Fish Commission, Law Enforcement Department	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na

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200100300	ISO Adult Pit Interrogation System Installations	Pacific States Marine Fisheries Commission	Mainstem/Systemwide	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	na	Y	Y	Y	na
200100700	Evaluate live capture selective harvest methods for commercial fisheries on the Columbia River 2001-007-00.	Oregon Department of Fish and Wildlife and Washington Department of Fish and Wildlife	Mainstem/Systemwide	Y	Y	Y	na	Y	N	Y	Y	Y	Y	na	Y	na	Y	na

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35001	Project withdrawn by sponsor because it is redundant with funding of 35015 & 35016 in the Lower Columbia and Columbia Estuary Provinces.	Fundable - no response required	Withdrawn	\$220,000
35002	The RFC acknowledges that the projects objectives will aid with bull trout recovery efforts and is consistent with the goals of the NWPPC's 2000 Columbia Basin Fish and Wildlife Program and the USFWS Bull Trout Biological Opinion (2000). This project will collect some baseline data to help meet requirements 10.A.2.1, 11.A.2.1.c, and 11.A.2.1.d set forth in the FCRPS Biological Opinion for bull trout. The RFC recommends two years funding for Objective 1 to assess the feasibility and effectiveness of capturing bull trout in Bonneville Reservoir using various trapping techniques and suggests that various capture methods may be needed during the second year of the project if none of the capture techniques are effective. Subsequent funding (Objectives 2-6) should be contingent on results of Objective 1 (e.g., capture efficacy, distribution, and relative abundance information). At the end of two years, the RFC recommends that an RFC review of the results occurs prior to the allocation of additional funds. This proposal addresses key information needs around critical uncertainties regarding bull trout populations in the Bonneville Reservoir. Recent research (Baxter, 2001, OSU Ph.D. Dissertation) demonstrated significant use of the Snake River by Grande Ronde bull trout. The potential clearly exist	Fundable (Qualified) - no response required	Urgent	\$379,601
35003	A good portion of this project is being performed through other projects.	Fundable only if response is adequate	Recommended Action	\$207,180
35004	This project is redundant to a NMFS harvest modeling project.	Do not fund - response required	Do Not Fund	\$278,398
35005	CBFWA believes that it is inappropriate for this activity to be funded from the Direct Program. This is a service provided to the NWPPC and has been historically funded by the NWPPC.	Not applicable - no response required	NWPPC responsibility	\$170,000
35006	Project 35008 should be funded first to coordinate lamprey research and monitoring activities, and determine the appropriate sequence for initiating new projects. Funding could be initiated in the outyears.	Fundable only if response is adequate	Recommended Action	\$100,985
35007	This project meets RPA 155 of the 2000 NMFS BiOp.	Fundable - no response required	Recommended Action	\$315,000
35008	If this project moves forward, funding should be provided to support the coordinator (part-time position). Activities under this project should lead to development of a coordinated RM&E plan for lamprey in the basin, so research and monitoring tasks can be prioritized on a systemwide basis. USFWS has indicated that they have a budget for supporting a partial FTE to support this coordination task.	Fundable only if response is adequate	High Priority	\$111,370
35009	There was confusion among the Lamprey project sponsors as to where lamprey project would be funded. Due to the development of a Lamprey Program Summary, the project sponsors understood that the project would be funded in this "province". Project 35008 should be funded first to coordinate lamprey research and monitoring activities, and determine the appropriate sequence for initiating new projects. Funding could be initiated in the outyears.	Fundable only if response is adequate	High Priority	\$129,991
35010	A systemwide R,M, & E plan has not been developed, therefore information needs (database elements) are unknown at this time. This is a coarse scale assessment tool. CBFWA does not support the marine fish portion of the proposed actions. This project needs to tie in to the spatial scale being implemented through subbasin planning. This project is considered a Core Program project for support for the wildlife managers planning and management. * Failing to fund this project immediately will pose a high risk of significant and immediate negative impact on successful implementation of the Fish and Wildlife Program.	Fundable only if response is adequate	Core Program*	\$432,950
35011	The proposal is technically inadequate, and does not clearly demonstrate the proposed approach would solve or alleviate current transportation issues. For example, the proposers expect improved imprinting and improved homing response through the use of net pens. Transportation would have to originate in rearing or nursery areas to achieve this outcome, and methods to collect and transport juveniles from nursery areas are not presented. As proposed, the project would only investigate transportation in the Columbia River from a single hatchery.	Do not fund - no response required	Do Not Fund	\$3,291,275
35012		Fundable only if response is adequate	High Priority	\$370,100

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35013	<p>CBFWA supports the multi-species approach that is proposed by this project. The project has been prepared in a way that specific species could be targeted by elimination of tasks.</p> <p>The Water Quality Plan Workgroup comments stated:</p> <ul style="list-style-type: none"> <li>• The information developed in this project focuses on the possible effects of TDG on both Columbia River resident species (bull trout, sturgeon and aquatic insects) and adult salmonids. Availability of this information could have a beneficial impact on listed juvenile salmonids by assisting in the state water quality agency gas waiver/variance process associated with implementing the NMFS 2000 Biological Opinion Spill Program, i.e., this information could allow for continued implementation of the BiOp spill program.</li> <li>• The project addresses specific technical information needs and critical uncertainties identified in the Mainstem and Systemwide Province Water Quality Summary, III.D.1., page 53, Columbia River Basin Gas Bubble Trauma TDG Threshold.</li> <li>• The "Total Maximum Daily Load (TMDL) for Lower Columbia River Total Dissolved Gas" written by the Washington and Oregon water quality agencies indicates support for evaluation of modifying water quality standards or establishing site-specific standards. Revisions of this nature would be based on p</li> </ul>	Fundable only if response is adequate	High Priority	\$494,249
35014	<p>Significant technical concerns were expressed by the ISRP. The sponsor responded that the study design had been modified (substantially) to address the ISRP concerns. ISRP comments from a review of the modified proposal were not available for this review, therefore the technical merits of the proposed study are unknown. In their response to the ISRP, the sponsor indicates that the budget was reduced to reflect changes in the study design. Information provided through this project is of limited management value, and the project is not a high priority at this time. The increasing dependence on local brood stocks in conservation/recovery hatcheries likely would not change regardless of the results of this study.</p> <p>The proposed project is the genesis of Tier 1 monitoring called for in FCRPS. The sponsors provided significantly more detail in the ISRP response. This, in addition to the track record of the proponents, warrants further consideration for funding of critical long term monitoring for the Columbia Basin. The project sponsor provided a reponse to the CBFWA review. This information is available upon request from CBFWA.</p>	Fundable only if response is adequate	High Priority	\$313,855
35015		Fundable only if response is adequate	High Priority	\$300,114
35016	This project was developed to address RPA 181.	Do not fund - no response required	High Priority	\$436,000
35017	This proposal is long on concepts and short on details. Conceptual model largely driven by physical models with little consideration of biological moderators to ecosystem function.	Do not fund - no response required	Recommended Action	\$769,609
35018	<p>This project has been combined with project number 200100700 and the proposal is no longer viable in it's original design.</p> <p>The project sponsors have combined this proposal with Project Number 200100700. If this portion of the project is funded, greater efficiencies need to be identified. This project should not necessarily be combined with the ongoing work, however, if funded the two projects should be very closely coordinated. This project meets RPAs 164 and 167 of the NMFS 2000 FCRPS BiOp.</p>	Fundable only if response is adequate	withdrawn	\$797,420
35019	<p>This project will provide timely information and supports the full implementation of RPA 180. This, combined with work in the Columbia Plateau, is the genesis of a regionwide RME program, long overdue. This proposal focuses on Tier II monitoring described in the 2000 NMFS BiOp. If funded, this proposal should be closely coordinated with Project Number 35033. CBFWA would also like to see this type of effort expanded to address non-salmon species.</p> <p>* Failing to fund this project immediately will pose a high risk of significant and immediate negative impact on successful implementation of the Fish and Wildlife Program.</p>	Fundable only if response is adequate	Urgent*	\$270,000
35020	<p>This proposal is the genesis of a long overdue programmatic effectiveness monitoring program for the Columbia Basin. Without this type of information, managers and policymakers will continue to operate in the dark in regards to the efficacy of habitat restoration in the region. This project will provide timely information and supports the full implementation of RPA 183. This effort focuses on Tier III monitoring identified in the 2000 NMFS BiOp. If funded, this project needs to closely coordinate with the regional M&amp;E effort proposed under Project Number 35033.</p> <p>This project needs to be closely coordinated with the Innovative project (number 34008) currently being negotiated with ESSA Technologies.</p>	Fundable only if response is adequate	Urgent	\$475,000
35021	Fish marking to support fishery management as identified in the proposal is the management responsibility of the project sponsor. Funds to purchase mass marking equipment should be sought through other management and regulatory forums. The project sponsor should address the ISRP comments and should also identify the proportion of effort that falls under BPA's responsibility. This project meets RPA 174 of the NMFS 2000 BiOp.	Do not fund - no response required	Recommended Action	\$843,396

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ProjectID	Project Review Comments	ISRP Recommendation	CBFWA Category	Proposed FY 2003
35022	This project would establish a data base for habitat projects funded through BPA and other funding sources. The data base would try to assign specific benefits to each project by either life stage or habitat improvement using habitat surrogates for biological response. Once the data base had been developed and accepted, discussion could ensue as to possible crediting of benefits to BPA for actions taken. For this project to be successful, regional buy-in to the process is mandatory. Unless all habitat projects (BPA funded or not) are entered into the eventual database, it will not be possible to assign benefits to individual activities. There appears to be significant overlap with other database projects and the regional RM&E project currently being recommended in the Fish and Wildlife Program.	Fundable only if response is adequate	Do Not Fund	\$462,131
35023	Major survival benefits from this project are doubtful. This project would be more appropriately funded in the Corps of Engineers AFEP program. Are other funding sources available for this project? This proposal addresses a very important issue.	Do not fund - no response required	Do Not Fund	\$3,887,500
35024	The Water Quality Planning Group (WQP) recognizes the long term nature of fish research projects involving fish and toxic chemicals, e.g., current use pesticides. However, the WQP group could not reach a consensus recommendation on this project. Following are a range of comments provided by group members: <ul style="list-style-type: none"> <li>• The impacts of sublethal concentrations of pesticides on salmonid survival in the Columbia River is a large gap in our current knowledge base. If the impacts are significant, as current research suggests, then this knowledge needs to be factored into our overall approach to salmon recovery. For that reason, it is important to know the significance of this issue as soon as possible so that appropriate measures can be developed, i.e., this is an urgent project.</li> <li>• The project proposal addresses key technical information needs and some critical uncertainties that are identified in the Mainstem and Systemwide Province Water Quality Summary, specifically, item III.D.2., Comprehensive Water Quality Knowledge in the Columbia River Basin; III.D.3. Scientific Unc</li> <li>• Projects involving toxics and effects on fish often require extensive time and effort. This fact alone suggests that delaying the initiation of projects such</li> </ul>	Fundable only if response is adequate	Urgent	\$364,105
35025	Much of this work may have been accomplished during the channel deepening project that has recently undergone tremendous regional scrutiny. This project meets RPA 194 of the NMFS 2000 BiOp.	Fundable only if response is adequate	Recommended Action	\$435,192
35026	This project would expand the CBB website to include information directly related to subbasin planning. The subbasin planning master contract contains funding for public outreach. This proposal should be considered for funding through the subbasin planning placeholder currently being implemented by the NWPPC.	Fundable - no response required	Recommended Action	\$115,200
35027	The project sponsor is dropping the coho portion of the proposal in order to add additional tasks on steelhead in response the ISRP comments. The project sponsor will submit a revised budget that represents the proposed modifications. If this project and Project Number 35060 are funded, cost efficiencies will be available. Is there a data gap in knowledge for raising steelhead in captivity? It is the understanding of several of the reviewers that the underpinnings of captive broodstock technology was based on developing steelhead protocols.	Fundable only if response is adequate	Urgent	\$472,941
35028	Although the hydropower system has exacerbated the contaminant problem, it is not solely responsible. Significant cost share from contaminant sources would seem appropriate.	Fundable only if response is adequate	Recommended Action	\$456,241
35029	This technology has a great deal of application in fish culture and may be equivalent to the ELISA technique we currently use for control of bacterial kidney disease. This sequence-based technique could be more broadly applied to other fish pathogens like the whirling disease parasite and strain differentiation of bacterial pathogens to determine the mechanism of introduction into fish culture facilities that currently are not apparent. The same DNA sequence equipment would find application in trout and salmon genetic determination as well.	Fundable only if response is adequate	High Priority	\$116,479



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ProjectID	Project Review Comments	ISRP Recommendation	CBFWA Category	Proposed FY 2003
35030	The urgent need for this project is to assess the current use of the tailrace for spawning and available habitat that would have the potential for spawning. The project sponsor will submit a revised budget to address these specific concerns.	Fundable only if response is adequate	Urgent	\$134,220
35031	From a technical standpoint, all parties involved in PIT tagging in the basin agree that technical coordination among proposed and ongoing studies is necessary. Prior to finding this project a determination should be made as to whether or not existing coordination-infrastructure for fish tagging in the basin could satisfy the needs identified. Funding this project may create redundancy. Most or all of the coordination objectives presented in this proposal may be achieved through existing committees or processes. For example, the PSMFC Regional Mark Committee coordinates coded wire tagging in the basin, and includes representatives from federal and state agencies and tribes. CBFWA recommends that existing tagging and monitoring oversight committees review their charters to facilitate better communication and coordination between the various committees.	Do not fund - no response required	Recommended Action	\$150,000
35032	This project was developed to address RPAs 105 and 100 of the NMFS 2000 FCRPA BiOp. This project should be scaled back to address one species at a time (i.e., smallmouth bass) and focus on locations with less potential of conflict with salmon species needs (i.e., lower snake reservoirs or John Day reservoir).	Fundable only if response is adequate	High Priority	\$509,671
35033	This project would develop a regional M&E effort based on existing, on the ground monitoring efforts. The proposal was developed to address the Stock Status Program Summary specifically as it relates to the NMFS BiOp, as well as other aquatic resources. The proposal is the only existing proposal that addresses all the needs that have been identified by the Federal Action Agencies RME workgroup. * Failing to fund this project immediately will pose a high risk of significant and immediate negative impact on successful implementation of the Fish and Wildlife Program.	Fundable only if response is adequate	Core Program*	\$998,763
35034	This project would more appropriately be reviewed and funded through the Anadromous Fish Evaluation Program at the Corps of Engineers.	Fundable only if response is adequate	Recommended Action	\$285,020
35035		Fundable only if response is adequate	Recommended Action	\$203,740
35036	This project has full support from CBFWA. Other studies have been proposed, or initiated, by other entities that resemble this effort; but those studies are judged to be inadequate by these project sponsors and the reviewers. * Failing to fund this project immediately will pose a high risk of significant and immediate negative impact on successful implementation of the Fish and Wildlife Program.	Fundable only if response is adequate	Urgent*	\$278,132
35037	It is unclear whether the timeline proposed will allow complete evaluation of the proposed study.	Fundable only if response is adequate	Recommended Action	\$129,498
35038	The Corps of Engineers DGAS Program was completed in the past year. That effort included a significant amount of field monitoring and modeling work to characterize the gas generation potential of the Lower Snake and Columbia river FCRPS projects. Simultaneously, the SYSTDG model was developed in relation to Grand Coulee, Chief Joseph and Mid-Columbia PUD projects. As a result of these efforts, the Water Quality Planning Group members believe that little additional value would be added by initiating a new modeling effort to predict TDG below mainstem project spillways.	Fundable only if response is adequate	Do Not Fund	\$604,998
35039	The budget for this project needs to be closely scrutinized. The carcass portion of the project may be underway through another project or lab. (Check with Susan Gutenberg, Spring Creek Fish Health Center)	Fundable only if response is adequate	High Priority	\$303,448
35040	This project meets RPA 167 of the NMFS 2000 FCRPS BiOp.	Fundable only if response is adequate	Recommended Action	\$268,745

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ProjectID	Project Review Comments	ISRP Recommendation	CBFWA Category	Proposed FY 2003
35041	The reviewers recommend a less aggressive study design to include fewer initial sampling streams due to cost considerations. The project sponsors will provide a revised study design and budget to reflect a scaled back approach.	Fundable only if response is adequate	Urgent	\$1,079,140
35042	White sturgeon upstream from Bonneville Dam are not listed as threatened, endangered, or sensitive; however, these populations have reduced productivity due to hydropower development. Some reservoirs upstream from Priest Rapids Dam no longer appear to support any reproduction. The project is complementary to planned restoration activities for white sturgeon conducted by states and tribes. Data provided will be useful in evaluation and interpretation of research and management activities involving release of hatchery and transplanted white sturgeon, interpreting reduced growth and recruitment in some reservoirs, and determining appropriate actions to restore reduced productivity (both planned and ongoing).	Fundable - no response required	High Priority	\$248,445
35043	At a recent workshop more than 50 interested biologists and managers were enthusiastic about working together to develop a synthesis that addresses our current understanding of population biology, sampling techniques, conservation aquaculture, health management, genetics, status of geographic or reservoir-specific populations, and prioritizes or outlines research information gaps that impede recovery of white sturgeon populations and fisheries. Representatives from the Columbia Basin Fish and Wildlife Authority and from Bonneville Power Administration agreed to help set up a web space and list-server that will allow sturgeon biologists from throughout the Basin to form working groups and contribute to the synthesis. Project sponsors have a demonstrated track record for publishing and presenting findings in a variety of peer-reviewed forums. Workshops will be scheduled. Cost share shown is work that will be completed in finalizing a white sturgeon population viability analysis for Idaho Power Company. The project is complete.	Fundable - no response required	Recommended Action	\$176,000
35044	The obvious, easily recognized benefit is knowledge or parental transfer, which may assist in eventual broodstock selection. Less obvious is what to do about contaminants in general. Although the hydropower system has exacerbated the contaminant problem, it is not solely responsible. Significant cost share from contaminant sources would seem appropriate. The Water Quality Plan Workgroup provided the following comments: <ul style="list-style-type: none"> <li>• The Water Quality Planning Group recognizes the long term nature of fish research projects involving contaminants and their effect on fish. However, the group could not reach a consensus recommendation on this project. Following are a range of comments provided by group members.</li> <li>• Projects involving toxics and effects on fish often require extensive time and effort. This fact alone suggests that delaying the initiation of projects such as this can only be detrimental, i.e., the longer these projects are deferred, the longer this type of information will be unavailable to the region and salmon recovery efforts.</li> <li>• Based on results recently released by EPA regarding fish tissue contamination (EPA Columbia River Basin Fish Contamination Survey, July 2002), the</li> <li>• Projects investigating the fate and biological effects of current-use pesticides and other toxic chemicals found in the environment will be addressed by the</li> </ul>	Fundable only if response is adequate	High Priority	\$652,376
35045	This project addresses RPA 183. The model developed by this proposal would not be directly applicable to other subbasins without creation of a supporting database. The states are not staffed up to support transfer of this model for its use in other basins and the creation of the supporting databases, or the software language that the model will be developed in. Buy-in by the participating agencies will be required for successful implementation of this project.	Fundable only if response is adequate	Recommended Action	\$500,000
35046	This project meets RPAs 17 and 193 of the NMFS BiOp.	Fundable only if response is adequate	High Priority	\$878,300
35047	Before this study proceeds, the project sponsors and co-managers implementing tagging studies on the Columbia River need to meet and discuss this proposal and determine an appropriate statistical and logistical study design to resolve this critical uncertainty identified in the 2000 NMFS BiOp. CBFWA members will provide specific comments to the project sponsor. This task is considered an urgent need for the Basin although this proposal is not adequate for funding at this time. CBFWA recommends that the project sponsor work closely with the CSS Oversight Committee to develop a regionally accepted study design and revised proposal. The proposal should only be funded following approval from the AFC and CBFWA Members.	Fundable only if response is adequate	High Priority	\$1,083,900

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35048	The review of this project identified a need for a formal coordination between NMFS's data systems and Streamnet. We recommend that NMFS re-engage in the Streamnet Oversight Board. Concern was expressed during the review over the use BPA funds to support NMFS corporate data support needs. As a regional M&E effort moves forward, the specific needs of various data management projects will be identified, as well as standardized data collection protocols and reporting processes. It is difficult to determine how this effort will be staffed by reading the proposal. The project sponsor also requires all data to be housed on an in-house server, which will potentially force their data to become outdated without diligent updating currently provided on other websites.	Fundable only if response is adequate	Recommended Action	\$763,150
35049		Fundable only if response is adequate	High Priority	\$683,324
35050		Do not fund - inadequate proposal	Do Not Fund	\$177,048
35051		Fundable only if response is adequate	Recommended Action	\$41,347
35052	Conservation enforcement is a very important activity that needs to be supported at some level through Fish and Wildlife Program. A broader evaluation of specific needs by subbasin should be pursued in order to put these projects into a larger context.	Fundable only if response is adequate	Urgent	\$245,636
35053	This project meets RPAs 164 and 167 of the NMFS 2000 FCRPS BiOp.	Fundable only if response is adequate	Recommended Action	\$236,260
35054		Do not fund - no response required	Recommended Action	\$278,391
35055	This project would appropriately be submitted in the Innovative category if unsuccessful in getting funded in the Systemwide "Province".	Fundable only if response is adequate	Recommended Action	\$76,000
35056	Potential for reducing requested budget based on reduced overhead (indirect) calculations for pass-through scholarships. This project would assist in training Tribal members to participate and manage their mitigation hatcheries currently under construction and operation.	Do not fund - no response required	Recommended Action	\$405,024
35057	CBFWA is reluctant to proceed with a limited (predictive) model of habitat condition/restoration potential prior to a regionally accepted methodology to determine an ecologically based operational loss assessment. CBFWA recommends that the project investigators coordinate with the regional fish and wildlife managers and related project activities (e.g., Project Number 2002001100, 199705900, etc.) to better facilitate regional ecological based assessment efforts. *Criteria T8 - CBFWA is concerned about the statement in the proposal that all data collected for this project will be proprietary to the project sponsor.	Fundable only if response is adequate	Recommended Action	\$1,200,000
35058	The Water Quality Planning Group agreed with the Independent Scientific Review Panel views regarding this proposal. The proposal is not fundable in its present form.	Do not fund - no response required	Do Not Fund	\$218,885
35059	The RFC questions the utility of the proposed work due in part to the following information that was included in Project 198806400: In cooperation with pathologists from the USFWS Dworshak Fish Health Lab and pathologists from Clear Springs Foods (Buhl, ID.), Project 198806400 has "developed and implemented non-lethal sampling procedures for detecting an endemic sturgeon pathogen, White Sturgeon Iridovirus (WSIV). This development now successfully permits the examination of recaptured hatchery released fish and wild white sturgeon adults. Prior to this development, natural prevalence was undetectable. This collaboration provides great realized and potential utility, and is directly applicable by others for similar issues throughout the geographical range of white sturgeon."	Do not fund - no response required	Do Not Fund	\$97,452
35060	This project follows up the Innovative project that developed PIT tagging technology for monitoring smolts in small streams. The goal of the project would be to develop a standardized procedure for implementing this technology throughout the Basin and expanding the sampling to include returning adults. If this project and Project Number 35027 are both funded, cost efficiencies will be available.	Fundable - no response required	High Priority	\$229,606

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ProjectID	Project Review Comments	ISRP Recommendation	CBFWA Category	Proposed FY 2003
35061	see review for Proposal 35059	Do not fund - no response required	Do Not Fund	\$69,681
35062	This project was recently reviewed by CBFWA as a within year request. CBFWA recommended to the Council that this project should be funded. CBFWA recommends that the project investigators coordinate with the regional fish and wildlife managers and related projects (e.g., Project Number 2002001100, 199705900, etc.) to better facilitate regional ecological based assessment efforts.	Fundable only if response is adequate	High Priority	\$382,024
35063		Do not fund - no response required	Recommended Action	\$71,678
195505500	Conservation enforcement is a very important activity that needs to be supported through Fish and Wildlife Program. A broader evaluation of specific needs by subbasin should be pursued in order to put these projects into a larger context. This project has been identified as a new start based on the fact that no BPA funds have been obligated in recent years. However, BPA funding has been provided in the past and the project still maintains stranded personnel and equipment from those previous efforts.	Fundable only if response is adequate	Urgent	\$178,073
198201301	BPA should fund only the appropriate share of the Fish and Wildlife Program demands on the coded wire tagging program. The new task that supports a statistician wholly supported by this project may be redundant and should be removed. There are currently two oversight committees for this project that provide statistical support and review of sampling methods that could address this need. The budget has been adjusted to reflect the removal of the statistician.	Fundable only if response is adequate	Core Program	\$2,989,812
198201302	BPA should fund only the appropriate share of the Fish and Wildlife Program demands on the coded wire tagging program.	Fundable only if response is adequate	Core Program	\$218,132
198201304	BPA should fund only the appropriate share of the Fish and Wildlife Program demands on the coded wire tagging program.	Fundable only if response is adequate	Core Program	\$334,412
198331900	This is a basic research and development project to support fish marking and monitoring for the Fish and Wildlife Program. It is imperative that as technology is developed, information transfer occurs quickly and efficiently to insure that duplicate development efforts are not initiated by others due to lack of communication. This project addresses RPAs 85 and 87. In the project sponsor response to the ISRP, Objective 3 appears to be redundant to a USFWS study that was originally funded through the Innovative funding category and continues under non-BPA funding. Objective 5 has been offered as a lower priority task by the project sponsor and should be considered for elimination or reduction under a limited funding scenario. CBFWA supports elimination of Objective 5 from the proposal and the budget has been adjusted to reflect these changes.	Fundable only if response is adequate	Urgent	\$878,000
198605000	This project has progressed logically from research on the population status, life history, and habitat requirements of sturgeon through development and implementation of mitigation, management, and monitoring actions based on the research. The accomplishments of the project have been published extensively in peer-reviewed journals. The RFC commends the sponsors on developing an umbrella proposal for all sturgeon research in the basin. The proposal provides a clear description of accomplishments to date and provides a logical plan for completing the research objectives, evaluating mitigation actions, and monitoring population status through 2005.	Fundable only if response is adequate	Urgent	\$2,041,140

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ProjectID	Project Review Comments	ISRP Recommendation	CBFWA Category	Proposed FY 2003
198712700	Information produced by this project is specifically called for in the Hydrosystem Biological Opinion, Appendix H (Research and Monitoring).	Fundable only if response is adequate	Core Program	\$2,481,100
198740100	There appears to be a significant change in scope for this ongoing project. There was some question whether this project should be viewed as a new proposal, rather than an ongoing, planned study as originally proposed. The proposal is taking on a new path in developing it's own study design and research plan. The ISRP has raised significant concerns regarding the study design. Some of the CBFWA reviewers agree with their concerns and will provide additional comment.	Fundable only if response is adequate	High Priority	\$256,000
198810804	This project manages and provides needed data to regional fish and wildlife agencies and tribes. A regional discussion is necessary to define Streamnet's work plan for the next three years. CBFWA will facilitate the developmnet of a long term work plan that is consistent with subbasin planning, recovery plans, and regional monitoring and evaluation needs for anadromous fish, resident fish and wildlife. The specific budget will be provided in the final CBFWA recommendation. The budget that is recommended in the Mainstem and Systemwide "Province" work Plan will be considered as a placeholder with specific tasks. As an RM&E work plan is developed for the region, Streamnet's work plan will be modified to provide support for that effort in an appropriate manner.	Fundable only if response is adequate	Core Program	\$4,211,435
198906201		Not applicable - no response required	Core Program	\$2,217,415
198906500	BPA should fund only the appropriate share of the Fish and Wildlife Program demands on the coded wire tagging program.	Fundable only if response is adequate	Core Program	\$119,268
198907201		Not applicable - no response required	NWPPC responsibility	\$100,027
198909600	There has been a substantial increase in the funding level.	Fundable - no response required	Urgent	\$593,900

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ProjectID	Project Review Comments	ISRP Recommendation	CBFWA Category	Proposed FY 2003
198910700	<p>There appears to be overlap in tasks provided in this project, Project Number 199302900, and Project Number 199302900. These projects should be critically reviewed to insure that tasks are not redundant. There is approximately \$761,000 between these projects in contracts to one consultant for statistical work. How much of this work is also being performed at NMFS and other fish and wildlife agencies?</p> <p>This project funds analyses that are potentially provided through other projects within the Fish and Wildlife Program. This project is funded in order for BPA to obtain statistical support. This effort should be funded through BPA's Fish and Wildlife Division overhead.</p>	Fundable only if response is adequate	Do Not Fund	\$265,850
199007700	<p>Results from this project clearly show that it is an effective management tool that has directly benefited salmon recovery efforts in the Columbia River Basin. The project's cost effectiveness appears to remain stable or slightly increasing, further corroboration the effectiveness and importance of this project to salmon recovery efforts and the need to continue funding through 2007. The O&amp;M phase of the project has been reduced by \$88,000 in order to remove the site specific and dam angling fisheries due to their reduction in cost effectiveness. For FY 2003, an additional \$40,000 has been added to the M&amp;E phase to cover the expense of an economic analysis of promotion cost and sport reward costs. This project is required by the 2000 FCRPS NMFS BiOp and supports RPA 100.</p>	Fundable only if response is adequate	Urgent	\$0
199008000	<p>PTAGIS provides support to all PIT tag projects in the Fish and Wildlife Program. CBFWA and PSMFC need to modify the memorandum of agreement to develop non-salmon fish species codes and support non-salmon applications. CBFWA also needs to support PTAGIS's involvement and support of all PIT tag projects occurring in the basin (i.e., USFWS studies). This project meets RPAs 189 and 193.</p>	Fundable only if response is adequate	Core Program	\$2,532,711
199009300	<p>The FY 2004 budget may increase to FY 2003 level.</p>	Fundable only if response is adequate	Urgent	\$126,436
199105100	<p>There appears to be overlap in tasks provided in this project, Project Number 198910700, and Project Number 199302900. These projects should be critically reviewed to insure that tasks are not redundant. There is approximately \$761,000 between these projects in contracts to one consultant for statistical work. How much of this work is also being performed through NMFS and other fish and wildlife agencies? This project addresses RPAs 185, 188, and 190.</p> <p>This project funds analyses that are potentially provided through other projects within the Fish and Wildlife Program. This project is funded in order for BPA to obtain statistical support. This effort should be funded through BPA's Fish and Wildlife Division overhead.</p>	Fundable only if response is adequate	Do Not Fund	\$394,655

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ProjectID	Project Review Comments	ISRP Recommendation	CBFWA Category	Proposed FY 2003
199105500	<p>This project has a 93% increase in cost from previous years. A significant increase in the budget is due to a robust statistical analysis of the individual components of the NATURES concept. CBFWA will determine the specific components of the proposal that should move forward now, versus, deferring funding of some activities due to cost limitations. The project sponsor provided options for funding this project so CBFWA can determine the appropriate scope of implementation. There is currently a NATURES evaluation occurring at the Cle Elum Hatchery and other hatcheries (ie., Eagle Creek and Warm Springs hatcheries). Other NATURES evaluations need to be summarized to assist in determining whether this portion of the project needs to proceed over the next three years.</p> <p>The project sponsor provided options and CBFWA is recommending a reduced scope of work. The CBFWA managers have determined that the robust statistical analysis of individual components of NATURES is not deemed necessary at this time due to related efforts elsewhere within the Columbia River Basin.</p>	Fundable only if response is adequate	Urgent	\$1,158,969
199302900	<p>A task to perform paired trawl sampling in the lower river had previously been funded through the Corps, but now the cost is being split 50/50 by BPA through this project. This project meets RPAs 185, 189, 190, and 193. There appears to be overlap in tasks provided in this project, Project Number 19891070, and Project Number 199105100. These projects should be critically reviewed to insure that tasks are not redundant. There is approximately \$761,000 between these projects in contracts to one consultant for statistical work. How much of this work is also being performed by NMFS and other fish and wildlife agencies?</p>	Fundable - no response required	Core Program	\$1,884,200
199305600		Fundable only if response is adequate	Urgent	\$1,498,981
199403300	<p>The project meets RPA 152 of the NMFS 2000 FCRPS BiOp.</p>	Fundable only if response is adequate	Core Program	\$1,316,323
199600500		Not applicable - no response required	NWPPC responsibility	\$681,876
199601900	<p>The DART website is partially redundant to the Fish Passage Center website. BPA funds DART for an independent source of information and should fund the project through BPA Fish and Wildlife Division overhead.</p>	Fundable only if response is adequate	Do Not Fund	\$275,111
199602000	<p>This project is critical to Hydrosystem Biological Opinion check-in points. It provides data and analyses to evaluate the Biological Opinion at the 2005 and 2008 check-ins. It also provides data on delayed mortality for transport and river groups of fish. This project addresses RPAs 46, 47, 185 and 187 of the NMFS 2000 FCRPS BiOp. The budget has been increased to include a steelhead release group and the additional tagging and analysis required.</p>	Fundable only if response is adequate	Core Program	\$1,742,776
199602100	<p>The Water Quality Planning Group recognizes the importance of this project as an ongoing and required supporting component of the Biological Opinion Spill Program, e.g., the work supported by this project is required by the state water quality agencies to maintain the annual BiOp spill monitoring program. The group noted the low cost of continued implementation. Unlike the Independent Scientific Review Group, combining this project with the previous project, i.e., 35013, was deemed unnecessary.</p>	Fundable only if response is adequate	Core Program	\$16,885

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ProjectID	Project Review Comments	ISRP Recommendation	CBFWA Category	Proposed FY 2003
199606700	Captive broodstock rearing is still being investigated and has not proven absolute benefits to the stocks being protected. This study will facilitate addressing those important questions. Cost per fish is very high for this program due to the needs for the seawater life history phase of the rearing program.	Fundable - no response required	Urgent	\$950,000
199702400	This project meets RPA 101, 102 and 103 of the NMFS 2000 FCRPS BiOp.	Fundable only if response is adequate	Urgent	\$713,000
199705900	Meets some of the RPAs identified in the 2000 NOAA Fisheries Biological Opinion. This project needs to coordinate closely with Project Number 200201100, Systemwide Operational Loss Assessment.	Fundable (Qualified) - no response required	Urgent	\$4,043,000
199800401	This is a very important part of the Fish and Wildlife Program (information and outreach) and is strongly supported by the CBFWA members. This is a key responsibility of the NWPPC (outreach and public awareness) and funding for this project should be pursued through the NWPPC overhead budget. Funding the project through the Program puts at risk other important activities that may have a more direct impact on the recovery and mitigation of the fish and wildlife populations.	Fundable - no response required	NWPPC responsibility	\$179,800
199800800		Not applicable - no response required	Core Program	\$153,300
199803100		Fundable only if response is adequate	Core Program	\$314,093
199900301	New tasks have been added. Budget needs to be reviewed. This project meets RPAs 157 and 199 of the NMFS BiOp.	Fundable only if response is adequate	Urgent	\$1,012,405



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ProjectID	Project Review Comments	ISRP Recommendation	CBFWA Category	Proposed FY 2003
200000700		Fundable - no response required	Urgent	\$166,419
200001700	This project has a 97% increase in costs from previous years. Significant expansion at this time may be premature due to budget constraints. Expansion to one additional stream would allow for comparison of different stream types. This project addresses RPA 184. The project sponsor has been contacted and will provide an updated budget.	Fundable only if response is adequate	Urgent	\$633,292
200002900	Fund for two years as proposed to complete project work and protect prior investment in project. This information will be useful to managers as lamprey management plans are developed. An element has been added to the identification task within the proposal. A molecular tool is being investigated to assist with morphometric identification. This new task should be retained during funding.	Fundable only if response is adequate	Urgent	\$186,945
200005200	Significance of this project to the Mainstem/Systemwide program is not clear. This project is carried out entirely within the John Day River basin, and if a high priority need, should be funded through the Columbia Plateau province. CBFWA rated this project a High Priority in the Columbia Plateau Province. This project was initially funded as an Innovative project in 2000. The project was not funded in the Columbia Plateau because the project did not qualify as an ongoing project based on the Innovative criteria. Data has been lost due to the lack of funding during the FY 2001 and FY 2002 field seasons. One year of data (2000-2001 field season) has been collected to date.	Fundable - no response required	High Priority	\$250,000
200005500		Fundable only if response is adequate	Urgent	\$511,210
200005600		Fundable only if response is adequate	Urgent	\$455,787

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ProjectID	Project Review Comments	ISRP Recommendation	CBFWA Category	Proposed FY 2003
200100300	<p>An evaluation should be done to determine the extent of cost share by GPUD and the USBOR for operating the monitoring systems. It is not appropriate for the F&amp;W Program to pay the full price of the monitoring system that is applied at non-BPA dams. This project meets RPA 194 of the NMFS BiOp.</p> <p>This project was spun off of Project Number 198331900 in 2001 to separate Adult monitoring technology.</p>	Fundable only if response is adequate	Core Program	\$1,972,106
200100700	<p>This project has been combined with Project Number 35018. The budgets and proposals have been combined. This project meets RPAs 164 and 167 of the NMFS 2000 FCRPS BiOp.</p>	Fundable only if response is adequate	Urgent	\$579,039

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ProjectID	FY2002 Funding	FY 2003					FY 2004					FY 2005				
		03_impl	03_m&e	03_o&m	03_plan	Total of 2003	04_impl	04_m&e	04_o&m	04_plan	Total Of 2004	05_impl	05_m&e	05_o&m	05_plan	Total Of 2005
35001					\$220,000	\$0				\$400,000	\$0				\$425,000	\$0
35002		\$268,351			\$25,000	\$293,351	\$305,000				\$305,000					
35003					\$207,180	\$207,180				\$200,375	\$200,375				\$195,103	\$195,103
35004		\$278,398				\$0	\$288,112				\$0	\$227,906				\$0
35005		\$170,000				\$0	\$170,000				\$0	\$173,000				\$0
35006					\$100,985	\$100,985				\$142,066	\$142,066				\$90,315	\$90,315
35007		\$315,000				\$315,000	\$406,700				\$406,700	\$423,300				\$423,300
35008			\$111,370			\$111,370		\$96,351			\$96,351		\$96,351			\$96,351
35009		\$64,097	\$45,963		\$19,931	\$129,991	\$168,000	\$80,000		\$12,000	\$260,000	\$175,000	\$84,000			\$259,000
35010		\$148,536	\$14,600	\$98,010	\$199,780	\$460,926	\$205,920	\$15,300	\$239,130	\$123,552	\$583,902	\$210,720	\$16,100	\$258,300	\$126,432	\$611,552
35011		\$1,543,275	\$405,000	\$1,168,000	\$175,000	\$0	\$203,400	\$405,000	\$1,118,000		\$0	\$203,400	\$405,000	\$1,118,000		\$0
35012		\$370,100				\$370,100	\$369,000				\$369,000	\$387,000				\$387,000

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ProjectID	FY2002 Funding	FY 2003					FY 2004					FY 2005				
		03_impl	03_m&e	03_o&m	03_plan	Total of 2003	04_impl	04_m&e	04_o&m	04_plan	Total Of 2004	05_impl	05_m&e	05_o&m	05_plan	Total Of 2005
35013			\$263,783			\$263,783		\$252,831			\$252,831		\$178,288			\$178,288
35014		\$154,310	\$113,668	\$10,995	\$34,882	\$313,855	\$144,887	\$133,273	\$10,995	\$10,995	\$300,150	\$144,887	\$133,273	\$10,995	\$11,463	\$300,618
35015		\$0		\$0	\$300,114	\$300,114	\$663,046		\$180,750	\$843,796		\$203,409	\$142,000	\$49,000	\$394,409	
35016			\$150,000		\$286,000	\$436,000		\$150,000		\$436,000	\$586,000		\$150,000		\$436,000	\$586,000
35017		\$0		\$37,000	\$732,609	\$769,609	\$229,560			\$118,504	\$348,064			\$351,008	\$122,651	\$473,659
35018		\$797,420	\$0	\$0		\$0				\$747,420	\$0				\$747,420	\$0
35019					\$250,000	\$250,000		\$250,000		\$250,000	\$500,000		\$250,000		\$250,000	\$500,000
35020			\$425,000		\$50,000	\$475,000		\$400,000		\$15,000	\$415,000		\$375,000		\$15,000	\$390,000
35021		\$806,603	\$8,352	\$28,441		\$843,396	\$800,797	\$8,853	\$30,147		\$839,797	\$800,797	\$15,237	\$31,956		\$847,990

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ProjectID	FY2002 Funding	FY 2003					FY 2004					FY 2005				
		03_impl	03_m&e	03_o&m	03_plan	Total of 2003	04_impl	04_m&e	04_o&m	04_plan	Total Of 2004	05_impl	05_m&e	05_o&m	05_plan	Total Of 2005
35022		\$82,383		\$108,323	\$271,425	\$0	\$105,504	\$26,376	\$52,752	\$79,128	\$0	\$101,400	\$33,800	\$56,333	\$33,800	\$0
35023			\$3,737,500		\$150,000	\$0		\$3,924,375			\$0		\$4,120,593			\$0
35024				\$304,905		\$304,905			\$285,000		\$285,000		\$39,870	\$246,000		\$285,870
35025		\$435,192				\$435,192	\$355,705				\$355,705	\$415,428				\$415,428
35026				\$115,200		\$115,200			\$120,810		\$120,810			\$126,850		\$126,850
35027			\$389,693		\$6,423	\$396,116		\$207,800			\$207,800		\$329,050			\$329,050
35028			\$456,241			\$456,241		\$388,696			\$388,696		\$219,389			\$219,389
35029		\$116,479		\$0		\$116,479	\$146,316		\$3,500		\$149,816	\$146,316		\$10,500		\$156,816

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ProjectID	FY2002 Funding	FY 2003					FY 2004					FY 2005				
		03_impl	03_m&e	03_o&m	03_plan	Total of 2003	04_impl	04_m&e	04_o&m	04_plan	Total Of 2004	05_impl	05_m&e	05_o&m	05_plan	Total Of 2005
35030		\$25,000				\$25,000	\$125,000				\$125,000	\$130,000				\$130,000
35031			\$150,000			\$150,000		\$160,000			\$160,000		\$170,000			\$170,000
35032		\$376,811			\$132,860	\$509,671	\$442,241				\$442,241	\$461,063				\$461,063
35033		\$757,478			\$211,322	\$968,800	\$757,480			\$211,322	\$968,802	\$757,480			\$211,322	\$968,802
35034		\$268,020			\$17,000	\$285,020	\$254,280				\$254,280	\$565,296				\$565,296
35035		\$94,500	\$66,140	\$2,500	\$40,600	\$203,740	\$75,000	\$53,154	\$2,500	\$10,900	\$141,554	\$75,000	\$54,747	\$2,500	\$12,900	\$145,147
35036		\$250,332				\$250,332	\$225,868				\$225,868	\$207,000				\$207,000
35037		\$89,341		\$21,045	\$19,112	\$129,498	\$27,136		\$108,359		\$135,495	\$3,638	\$64,608			\$68,246
35038					\$604,998	\$0										
35039		\$303,448				\$303,448	\$652,993				\$652,993	\$814,700				\$814,700
35040		\$268,745				\$268,745	\$281,000				\$281,000	\$295,050				\$295,050

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ProjectID	FY2002 Funding	FY 2003					FY 2004					FY 2005				
		03_impl	03_m&e	03_o&m	03_plan	Total of 2003	04_impl	04_m&e	04_o&m	04_plan	Total Of 2004	05_impl	05_m&e	05_o&m	05_plan	Total Of 2005
35041			\$830,474			\$830,474		\$1,121,268			\$1,121,268		\$994,696			\$994,696
35042		\$248,445				\$248,445	\$383,000			\$383,000	\$328,000					\$328,000
35043		\$176,000	\$0			\$176,000	\$190,000			\$190,000	\$140,000	\$50,000				\$190,000
35044			\$652,376			\$652,376		\$571,746		\$571,746		\$530,883				\$530,883
35045					\$500,000	\$500,000			\$500,000	\$500,000				\$500,000		\$500,000
35046						\$878,300				\$1,443,300						\$3,587,000
35047		\$1,035,200		\$23,000	\$25,700	\$1,083,900	\$872,900		\$23,700	\$26,600	\$923,200	\$899,100		\$24,400	\$27,400	\$950,900

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ProjectID	FY2002 Funding	FY 2003					FY 2004					FY 2005				
		03_impl	03_m&e	03_o&m	03_plan	Total of 2003	04_impl	04_m&e	04_o&m	04_plan	Total Of 2004	05_impl	05_m&e	05_o&m	05_plan	Total Of 2005
35048		\$351,200		\$235,000	\$176,950	\$763,150			\$625,000		\$625,000			\$650,000		\$650,000
35049				\$683,324		\$683,324			\$614,612		\$614,612			\$634,944		\$634,944
35050					\$177,048	\$0				\$177,048	\$0				\$205,377	\$0
35051					\$41,347	\$41,347										
35052		\$188,968	\$17,350	\$30,900	\$2,000	\$241,221	\$182,655	\$18,218	\$32,445	\$2,100	\$237,422	\$192,913	\$19,128	\$34,067	\$2,205	\$250,318
35053		\$0			\$236,260	\$236,260				\$56,510	\$56,510					
35054		\$278,391				\$278,391	\$182,623				\$182,623	\$154,874				\$154,874
35055			\$26,700		\$49,300	\$76,000		\$59,400			\$59,400		\$61,200			\$61,200
35056				\$405,024		\$405,024			\$420,426		\$420,426			\$441,447		\$441,447
35057		\$1,200,000				\$1,200,000	\$1,282,603				\$1,282,603	\$1,479,494				\$1,479,494
35058			\$208,492		\$10,393	\$0		\$216,832		\$5,457	\$0		\$225,505		\$5,730	\$0
35059		\$75,952	\$21,500			\$0		\$46,927			\$0		\$46,927			\$0
35060		\$35,625	\$77,856	\$63,420	\$52,705	\$229,606	\$35,014	\$112,687	\$63,420	\$3,064	\$214,185	\$22,326	\$113,907	\$58,420	\$3,064	\$197,717



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ProjectID	FY2002 Funding	FY 2003					FY 2004					FY 2005				
		03_impl	03_m&e	03_o&m	03_plan	Total of 2003	04_impl	04_m&e	04_o&m	04_plan	Total Of 2004	05_impl	05_m&e	05_o&m	05_plan	Total Of 2005
35061		\$11,700	\$57,981			\$0		\$57,980			\$0					\$0
35062		\$382,024				\$382,024	\$328,383			\$328,383	\$333,511					\$333,511
35063			\$70,678		\$1,000	\$71,678		\$34,487		\$34,487						
195505500	\$0		\$14,704	\$93,616		\$108,320		\$14,704	\$93,616	\$108,320		\$14,704	\$93,616			\$108,320
198201301	\$2,330,180		\$2,672,053			\$2,672,053		\$2,745,294		\$2,745,294		\$2,910,012				\$2,910,012
198201302	\$208,413		\$217,881			\$217,881		\$225,000		\$225,000		\$231,000				\$231,000
198201304	\$332,887		\$319,137			\$319,137		\$330,307		\$330,307		\$341,868				\$341,868
198331900	\$712,280	\$825,600		\$41,900	\$10,500	\$816,500	\$1,021,500			\$798,300	\$497,500			\$11,100		\$508,600
198605000	\$2,415,224	\$740,000	\$1,244,000			\$1,984,000	\$713,000	\$1,454,000		\$2,167,000	\$642,029	\$1,398,000				\$2,040,029

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ProjectID	FY2002 Funding	FY 2003					FY 2004					FY 2005				
		03_impl	03_m&e	03_o&m	03_plan	Total of 2003	04_impl	04_m&e	04_o&m	04_plan	Total Of 2004	05_impl	05_m&e	05_o&m	05_plan	Total Of 2005
198712700	\$2,269,287		\$2,435,941			\$2,435,941		\$2,533,379			\$2,533,379		\$2,634,714			\$2,634,714
198740100	\$233,955		\$187,000			\$187,000		\$287,000			\$287,000		\$375,000			\$375,000
198810804	\$2,164,967			\$2,261,033		\$2,261,033			\$2,383,924		\$2,383,924			\$2,503,120		\$2,503,120
198906201	\$2,093,000		\$341,725	\$1,875,690		\$2,217,415		\$327,409	\$1,939,463		\$2,266,872		\$334,171	\$2,005,404		\$2,339,575
198906500	\$117,972		\$38,780	\$80,488		\$119,268		\$41,107	\$85,317		\$126,424		\$43,537	\$90,436		\$133,973
198907201	\$103,427	\$100,027		\$0		\$0	\$100,000				\$0	\$100,000				\$0
198909600	\$263,163	\$572,800	\$18,600	\$0	\$2,500	\$593,900	\$439,700	\$19,300		\$1,500	\$460,500	\$457,300	\$20,100		\$1,560	\$478,960

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ProjectID	FY2002 Funding	FY 2003					FY 2004					FY 2005				
		03_impl	03_m&e	03_o&m	03_plan	Total of 2003	04_impl	04_m&e	04_o&m	04_plan	Total Of 2004	05_impl	05_m&e	05_o&m	05_plan	Total Of 2005
198910700	\$255,707		\$211,103	\$54,747		\$0		\$215,000	\$54,000		\$0		\$225,000	\$56,200		\$0
199007700	\$2,910,792		\$356,000	\$2,514,000		\$2,870,000		\$552,000	\$2,599,000		\$3,151,000		\$392,000	\$2,687,000		\$3,079,000
199008000	\$1,499,165			\$2,431,442		\$2,431,442			\$2,480,071		\$2,480,071			\$2,529,672		\$2,529,672
199009300	\$135,003	\$126,436				\$126,436	\$126,000				\$126,000	\$98,000				\$98,000
199105100	\$379,517		\$394,655			\$0		\$410,400			\$0		\$426,800			\$0

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ProjectID	FY2002 Funding	FY 2003					FY 2004					FY 2005				
		03_impl	03_m&e	03_o&m	03_plan	Total of 2003	04_impl	04_m&e	04_o&m	04_plan	Total Of 2004	05_impl	05_m&e	05_o&m	05_plan	Total Of 2005
199105500	\$517,000	\$233,700		\$326,100		\$559,800	\$241,600		\$337,200		\$578,800	\$249,900		\$348,700		\$598,600
199302900	\$1,010,319	\$1,477,900	\$258,000	\$135,500	\$12,800	\$1,884,200	\$1,522,200	\$265,700	\$139,600	\$13,100	\$1,940,600	\$1,567,900	\$273,700	\$143,700	\$13,500	\$1,998,800
199305600	\$1,344,200			\$1,468,100		\$1,468,100			\$1,542,800		\$1,542,800			\$1,620,400		\$1,620,400
199403300	\$1,229,012		\$1,302,904			\$1,302,904		\$1,367,440			\$1,367,440		\$1,439,047			\$1,439,047
199600500	\$728,064	\$550,277				\$0	\$705,000				\$0	\$729,000				\$0
199601900	\$252,111			\$275,111		\$0			\$264,075		\$0			\$272,200		\$0
199602000	\$449,220		\$1,736,542			\$1,736,542		\$1,806,066			\$1,806,066		\$1,878,373			\$1,878,373
199602100	\$16,069		\$16,885			\$16,885		\$17,753			\$17,753		\$18,441			\$18,441

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ProjectID	FY2002 Funding	FY 2003					FY 2004					FY 2005				
		03_impl	03_m&e	03_o&m	03_plan	Total of 2003	04_impl	04_m&e	04_o&m	04_plan	Total Of 2004	05_impl	05_m&e	05_o&m	05_plan	Total Of 2005
199606700	\$568,700	\$160,000		\$717,600		\$877,600	\$50,000		\$742,000		\$792,000			\$767,200		\$767,200
199702400	\$663,827	\$200,000	\$275,000	\$160,000	\$45,000	\$680,000	\$150,000	\$290,000	\$200,000	\$50,000	\$690,000	\$100,000	\$325,000	\$230,000	\$55,000	\$710,000
199705900	\$7,525,964	\$1,500,000	\$63,000	\$307,500	\$282,500	\$2,153,000	\$3,000,000	\$106,502	\$506,150	\$511,750	\$4,124,402	\$3,000,000	\$80,187	\$507,849	\$518,554	\$4,106,590
199800401	\$171,230			\$179,800		\$0			\$188,790		\$0			\$198,229		\$0
199800800	\$123,414	\$101,000				\$101,000	\$101,000				\$101,000	\$101,000				\$101,000
199803100	\$299,136	\$314,093				\$314,093	\$329,798				\$329,798	\$346,288				\$346,288
199900301	\$636,349		\$994,000			\$994,000		\$1,044,000			\$1,044,000		\$1,096,000			\$1,096,000

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ProjectID	FY2002 Funding	FY 2003					FY 2004					FY 2005					
		03_impl	03_m&e	03_o&m	03_plan	Total of 2003	04_impl	04_m&e	04_o&m	04_plan	Total Of 2004	05_impl	05_m&e	05_o&m	05_plan	Total Of 2005	
20000700	\$76,017	\$126,919			\$34,000	\$160,919	\$122,000				\$49,000	\$171,000	\$99,000			\$20,000	\$119,000
200001700	\$235,733	\$555,121				\$555,121	\$544,119					\$544,119	\$563,688				\$563,688
200002900	\$79,609	\$186,945				\$186,945	\$75,000					\$75,000					
200005200	\$0	\$250,000				\$250,000	\$260,000					\$260,000	\$155,000				\$155,000
200005500	\$481,340	\$417,821	\$30,500	\$59,889	\$3,000	\$511,210	\$438,712	\$32,025	\$62,883	\$3,150	\$536,770	\$460,648	\$33,626	\$66,028	\$3,308	\$563,610	
200005600	\$434,082	\$344,667	\$38,050	\$48,570	\$4,500	\$435,787	\$361,879	\$39,953	\$71,999	\$4,725	\$478,556	\$379,973	\$41,950	\$75,589	\$4,961	\$502,473	

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ProjectID	FY2002 Funding	FY 2003					FY 2004					FY 2005							
		03_impl	03_m&e	03_o&m	03_plan	Total of 2003	04_impl	04_m&e	04_o&m	04_plan	Total Of 2004	05_impl	05_m&e	05_o&m	05_plan	Total Of 2005			
200100300	\$1,174,590	\$1,796,736				\$175,370	\$1,972,106	\$1,500,000				\$160,200	\$1,660,200				\$665,000	\$665,000	
200100700	\$659,368		\$923,551				\$923,551	\$878,551					\$878,551	\$878,551				\$878,551	\$878,551

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ProjectID	Budget Comments	Program	Committee Sort	Category Sort
35001		M&E		8Withdrawn
35002	The following revised budget is based upon a reduction in scope from six objectives to two. The 2 objectives are: 1) evaluate different sampling methods for capturing bull trout in Drano Lake, where bull trout are known to exist; and 2) determine if bull trout migrate from Bonneville Reservoir into the Klickitat River by installing and operating a trap at Lyle Falls. This budget eliminates any radio telemetry, genetic analysis, or coordination of sampling efforts. It also eliminates sampling in Bonneville Reservoir, unless objective 1 is successful in year one. Objective 1 has been increased from 1 to 2 years to allow for any extreme environmental conditions, or adapting techniques if the first year proves unsuccessful. If objective 1 is successful in the first year, then year 2 would proceed as outlined in the original proposal, i.e. applying successful techniques in the mainstem. Objective 1 is the most difficult to accomplish, but is a necessary first step for examining bull trout in Bonneville Reservoir. It specifically addresses the Biological Opinion: 10.A.2.1: Determine the extent of bull trout use of the Lower Columbia River affected by the FCRPS and 11.A.2.1.c: ...estimate the annual population	M&E	RFC	3CPU
35003		M&E	AFC	5RA
35004		Harvest	AFC	7DNF
35005		Support	AFC	6NWPPC
35006		Lamprey	AFC	5RA
35007		Habitat	AFC	5RA
35008		Lamprey	AFC	4HP
35009		Lamprey	AFC	4HP
35010	The Northwest Habitat Institute (NHI) has revised its proposed budget based on anticipation that all tasks will transpire at the highest possible efficiency. The Operation and Maintenance Phase budget has been reduced by ten percent for each year in anticipation of greater efficiency from additional experience, supplemental training and adoption of new, emerging technologies. The Monitoring and Evaluation phases of all years have been left the same as originally proposed since they are comprised of fewer, more discrete tasks that were easy to accurately estimate. For fiscal year 2003, NHI has kept the Planning and Design phase budget the same since success in this phase during the first year will be critical for success in the other 2003 phases and subsequent year phases. The Construction/Implementation phase budget for FY2003 has been reduced by 20 percent due to potential cost savings by overlapping some of these tasks with some of the Planning and Design phase tasks. The overlapping tasks of the Implementation phase should be more quickly achieved since the startup times will already have been absorbed in the Planning and Design phase.	Data Manag.	WC	2CPU
35011		Habitat	AFC	7DNF
35012		Art. Production	AFC	4HP



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ProjectID	Budget Comments	Program	Committee Sort	Category Sort
35013	<p>Each of the five objectives of this project address a different species (or group) and can stand alone. I have reduced the budget significantly by prioritizing the species and establishing a "rolling" sequence in which we will work with two species at a time. These budget figures assume that money remaining at the end of the year will carryover in addition to the new budget. This is especially important in the first year when the funds will probably not be available until late in the fiscal year.</p> <p>2003 – Bull trout &amp; white sturgeon                      2004 – Bull trout (finish), White sturgeon &amp; Pacific lamprey                      2005 – Pacific lamprey &amp; adult salmon</p>	Water Quality	AFC, RFC	4HP
35014		Art. Production	AFC	4HP
35015		Art. Production	AFC	4HP
35016		M&E	all	4HP
35017		M&E	all	5RA
35018		Harvest	AFC	8Withdrawn
35019	<p>All Planning and Design tasks and Monitoring and Evaluation tasks associated with coordination and facilitation will be accomplished on a cost-share basis with NMFS. All expenses of these components of the proposed work will be covered by funds from other sources (TBD). These reductions represent a reduction in the requested budget of \$100,000 over the entire performance period.</p>	M&E	AFC	2CPU
35020	<p>If a specific target reduction is identified, the project sponsors will revisit which of the tasks need to be removed from the work plan.</p>	M&E	AFC	3CPU
35021		CWT	AFC	5RA

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35022		Data Manag.	all	7DNF
35023		M&E	AFC	7DNF
35024	This project only has two tasks, and the individual studies within each task are closely interrelated and interdependent. To ensure we can complete the work as originally proposed, we have increased the amount of cost sharing by NMFS/NWFSC. Specifically, we have removed salary support and associated overhead for the Principal Investigator from our request. This will result in a cost savings of \$58,600 for each year of the three-year study. Thus, our revised request is for \$876,375. The NWFSC will contribute salary support for the Principal Investigator (\$175,800), the equipment necessary to conduct phenotypic screens (~\$95,000), and facilities support for all project personnel as a cost share.	Water Quality	AFC	3CPU
35025		Habitat	AFC	5RA
35026		Support	all	5RA
35027	<p>A revised budget was requested for #35027 by itself because of the recommendations of the ISRP, which resulted in deleting one Objective (#3) and adding a new Objective (new Objective #3) to address the potential genetic effects of culture. Overall, this reduced slightly the FY03 budget.</p> <p>The project sponsor received a commitment from USFWS for funds to replace the outdated electric weir with a new electric barrier system. These new funds reduce the cost of their proposed budget (Project Number 35027 or 35027/35060 combined) by \$64,233 in FY2003 and by approximately \$500,000 in FY2004. Funds requested in FY2003 were for surveying, permitting, and design. Funds requested in FY2004 were for construction. The majority of funds requested under our reduced budget are now personnel related. We sincerely hope this new commitment of USFWS funds will greatly improve the chances of BPA funding for our proposed RME studies under Project Numbers 35027 and 35060.</p> <p>The proposed budget presented here is for 35027 alone, see the full response to CBFWA for combining this project with 35060.</p>	Art. Production	AFC	3CPU
35028		Sturgeon	RFC	5RA
35029		Art. Production	AFC	4HP

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35030	The budget has been revised to include only the redd surveys (Objective 1) during FY 2003-2005.	Habitat	AFC	3CPU
35031		M&E	AFC	5RA
35032		Predation	AFC	4HP
35033	Due to the apparent lack of available funds for new start projects, the project sponsors reduced the budget by 3% across the board.	M&E	all	2CPU
35034		Habitat	AFC	5RA
35035		M&E	AFC	5RA
35036	The budget for FY03 and FY04 has been reduced by 10% from that originally proposed. We have cut back on some of the experiments that were proposed in Task 1.b., but we will still be able to provide useful information from this task. We also reduced the amount for Task 2.c., which will defer its completion, but this task is of lower priority in the first year of the study.	Habitat	AFC	2CPU
35037		Art. Production	AFC	5RA
35038		Water Quality	AFC	7DNF
35039		Art. Production	AFC	4HP
35040		Harvest	AFC	5RA

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35041	<p>We have gone over our proposed budget in detail, looking for areas where cost savings could be made without substantially impacting the objectives of the project. We have also taken to heart CBFWA's recommendation to consider reducing the scope of the project in order to gain additional savings. In doing so, we have focused on ways of achieving greater efficiency within each stream system in the study, rather than eliminating an entire stream from the study. We believe that studying hatchery fish reproductive success in multiple streams is essential for achieving NMFS's conservation goals (specifically RPA's 182 and 184 in the hydrosystem biological opinion), and therefore the BPA and the NWPPC should have the opportunity to evaluate the full three-stream proposal. It is urgent to conduct this work in multiple streams throughout the Columbia River Basin at this time, because the information obtained by these experiments will be of immediate and critical relevance to fishery managers.</p> <p>Nonetheless, we appreciate the CBWFA's concern that given the limiting funding available it is essential to address urgent questions as efficiently as possible. We are gratified, therefore, that we were able to substantiate Art. Tucannon: We can achieve cost savings by conducting all of the juvenile trapping at the existing (lower river)</p>	Production	AFC	3CPU
35042		Sturgeon	RFC	4HP
35043		Sturgeon	RFC	5RA
35044		Water Quality	RFC	4HP
35045		Data Manag.	all	5RA
35046		Habitat	AFC	4HP
35047	<p>I have reviewed the budget for the proposal "Evaluate Delayed (Extra) Mortality Associated with Passage of Yearling Chinook Salmon Smolts Through Snake River Dams", Project # 35047. The budget is appropriate for the proposed research and tasks. A reduction in the funding request without a corresponding reduction in the scope of work would be inappropriate.</p>	M&E	AFC	4HP

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35048		Data Manag.	AFC	5RA
35049		Art. Production	AFC	4HP
35050		M&E	AFC	7DNF
35051		Enforcement	all	5RA
35052	<p>A comprehensive briefing document was provided to CBFWA by the project sponsor. This briefing is available upon request from CBFWA.</p> <p>We have reviewed the budget for this project and identified \$51,400 of cost savings. In FY03, the airplane flights for fishery patrol and creel survey will be deferred. In FY04 and FY05, the purchase of police equipment and navigation equipment for the CCT patrol boat will be deferred or covered by non-BPA funding sources if possible.</p>	Enforcement	all	3CPU
35053		Harvest	AFC	5RA
35054		Support	AFC	5RA
35055		Art. Production	AFC	5RA
35056		Support	AFC	5RA
35057		Habitat	AFC	5RA
35058		Water Quality	AFC	7DNF
35059		Sturgeon	RFC	7DNF
35060		Art. Production	AFC	4HP

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35061		Sturgeon	RFC	7DNF
35062		Habitat	all	4HP
35063		Art. Production	AFC	5RA
195505500	We offer to reduce the proposal from the original \$178,073 (2 FTE - enforcement officers) down to \$108,320 (1 FTE).	Enforcement	all	3CPU
198201301	Two objectives (PIT tag sampling and addition of a Statistician) could be considered new tasks. The AFC recommends funding only the PIT tag sampling. The recommended funding level includes funding for the modification of the CWT recovery program to also recovery PIT tags from salmonids landed in mainstem Columbia River fisheries. The totals include costs for both ODFW and WDFW's sampling programs. The detection of PIT tags will require the purchase of detection equipment. In addition, it will require some increase in sampling personnel to prevent a corresponding degradation in the quality of CWT sampling. The one time equipment costs have been removed from the budgets for 2004 and 2005.	CWT	AFC	1CPU
198201302	The original budget estimates were developed in the spring of 2002. Since then ODFW has completed hatchery production planning for the 2003 brood year, which includes fish that will be tagged by this project in FY 2003. We also now have actual project costs for tagging in FY 2002. Thus, we can estimate the FY 2003 costs from FY 2002 costs instead of FY 2001 costs. The proposed budget for this project was reviewed/updated for this new information and any possible cost reductions, without changing the scope and level of the proposed work in FY 2003. The result was a reduction of \$251 for FY 2003. As the out year budgets (FY 2004 and 2005) are rounded to the nearest \$1,000 this small reduction did not change these estimates. If additional cuts were required for this project, please refer to the full response to CBFWA.	CWT	AFC	1CPU
198201304	Production of spring Chinook was ended at Toutle Hatchery, thereby reducing the total coded-wire tag output for the project from 1,590,000 to 1,490,000. The budget has been reduced to reflect this change.	CWT	AFC	1CPU
198331900	The budgets for the submitted BPA Mainstem proposals have been reviewed. The budgets are appropriate for the proposed research. Therefore, reductions in the funding requests without a corresponding reduction in the scope of work would be inappropriate. In our response to the ISRP in August, as asked we prioritized the project's objectives - hopefully that effort will assist you in any future discussions; however, at this time we believe all of the tasks originally submitted are important to the fisheries community. The AFC recommended reducing FY2003 by \$61,500 and FY2004 by \$234,000 to eliminate Objective 5 from this proposal in concert with the project sponsors response to the ISRP.	M&E	AFC	1CPU
198605000	Minor reductions for 2003 result from a decrease in the number of PIT tags to be purchased and the deferral of computer purchases. Annual budget for the project has actually decreased since 1997. No increase over 2002 was requested for 2003. The budget has been adjusted accordingly.	Sturgeon	RFC	1CPU

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198712700	The Smolt Monitoring budget proposal total for FY 2003 of \$2,481,100 is 2% below the forecast made in FY 2001. We believe we can further reduce this budget by 1.82% by lowering the cost of living allowances and reducing the inflation factor, which seems reasonable considering the overall flat US economy in 2002 to date. However, the PIT tag portion of the budget could not be reduced because the tags will remain at the cost of \$2.25 per tag in the foreseeable future, according to Sean Casey of Destron. The total reduction from the 2001 projection would then be 3.82%. See table 2 below for the revised projection. The caution in reducing this budget, however, is that, if the scope of work and number of PIT tags increase to satisfy the requirements of the ISRP comments, the budget will likely increase rather than decrease from the original projection.	M&E	AFC	1CPU
198740100	2003 budget revision includes use of part-time personnel, limiting technical assistance to two ongoing projects, running smolt workshop locally to eliminate travel, and limiting site visits and meetings for coordination and set-up of 2004 and 2005 tasks. 2004 revision includes using wild/natural stock that is already part of the Upper Columbia River PIT tagging effort and elimination of seawater survival evaluation at the marine field station. 2005 revision assumes a reduction in number of sample dates, samples and number of analyses run based on 2004 results; genetic analysis by other BPA project; coordination of PIT tagging with basin-wide effort; sampling by hatchery and field crews; and elimination of seawater survival experiment at the marine field station. Additional information was provided by the project sponsor including a response to CBFWA's review. This information is available on request from CBFWA.	Art. Production	AFC	4HP
198810804	The budget has been reduced with the following explanation: 1. The 2003 budget includes a ONE TIME decrease of \$9,371 due to payment of FY-03 computer software license fees on a different contract. These costs recur in subsequent years. 2. The base StreamNet Project is now composed of 84% personnel related costs. Key staff at the regional office (programmer, GIS specialist, and biological data coordinator) have already been reduced to only 9 months each on the StreamNet contract. The cooperating projects have also reduced staff time. Even if all travel and discretionary current expense costs were eliminated and only 3 fixed costs (office rent, software licenses, and computer system administration) are funded, it is no longer possible to balance the budget to level funding without further reducing staff time. The estimated budget (Table 1) represents the actual costs of personnel for core staff for base level tasks only. All new work was dropped. At the regional level, the budget was reduced by cutting travel by 70% (hard for a project with staff in 4 states) and trimming Supplies and Services (S&S) costs by eliminating training. 3. No specific costs were broken out for the Monitoring and Evaluation phase, a point raised by the ISRP. Even	Data Manag.	all	1CPU
198906201	The staff portion of this budget is \$1,301,884. Reductions have been made in the office supplies and travel budget. As of November 1, 2002 CBFWF is not able to join PSMFC in the large group health insurance plan. Any savings found in the budget have been applied to insurance costs that have risen by 52%. The member's portion of this budget is \$747,048 for hourly compensation and travel for regional coordination and \$168,489 for the HEP team. Indirect costs are included in these budgets.	Support	all	1CPU
198906500		CWT	AFC	1CPU
198907201		Support	all	6NWPPC
198909600	In summary, it was clear to the project sponsors early in the proposal process that funds would be extremely tight in this cycle. Therefore, they drafted a lean study that is tightly integrated and simply does not have room for budget reductions without significant sacrifices in the central goals of the project. For detailed comments refer to the full response to CBFWA.	Art. Production	AFC	1CPU

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198910700		M&E	AFC	7DNF
199007700	A reduction of approximately \$88k for 2003 and beyond results from elimination of dam-angling and site-specific fisheries. Although a \$40k economic evaluation was inserted into the budget at the CBFWA review, it should be eliminated, and the totals above do not include it. Further reductions in the out-year budgets are the product of increased efficiencies. The blip in the project for 2004 is for periodic (every 5 years) detailed evaluation, which is a necessary component of the project.	Predation	AFC	1CPU
199008000	I caution decision makers to consider resource and budget impacts to the PTAGIS project prior to approving any new PIT tagging related projects. I further suggest that the CBFWA request that the Action Agencies provide better coordination new PIT tag related initiatives that affect PTAGIS. I have made an effort to identify some savings at the risk of 1) causing continued unpaid overtime work for project staff; 2) deferring project activities related to Corps of Engineers initiatives; 3) reducing 2004-2005 out year cost increases from 4% to 2%. New PIT tag related projects may cause additional increases to the PTAGIS budget as identified by the coordination process suggested above. The 2003 PTAGIS budget is reduced by 1) eliminating one new hire for Database Administration and replacing partial function with consulting services (saves \$50,000); 2) removal of Task 2.g, "Integrate Full Flow Bypass PIT tag electronics into PTAGIS standard data collection platforms at Ice Harbor and John Day" (saves \$51,269). This activity is required by the Corps of Engineers Columbia Basin Studies program, and it may be funded there already.	M&E	AFC	1CPU
199009300	Our current proposed budget (\$126,436.00) represents an 8.4% decrease from our FY2002 budget (\$138,015.00). We have removed of all cost-of-living increases for project personnel and all capital acquisitions from the FY 2003 budget. The remaining budget includes only objectives and personnel essential to carry out stated scientific goals. Our level of cost sharing from the University is currently at a maximum with respect to this project. We anticipate one additional year (FY2004) at the FY2002 budget level in order to allow us to complete genetic analysis of captive-reared chinook populations within the Columbia Basin. Following FY2004, our budget requirements will substantially decrease (22.2%) for FY2005 and remain at this level until FY2008, the expected completion date of the sockeye genetic analysis objectives.	Art. Production	AFC	1CPU
199105100		M&E	AFC	7DNF



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199105500	At your request, we are providing a revised budget estimate for the NATURES project (Project 199105500) that excludes Objective 1, even though we feel CBFWA is foregoing a unique opportunity in requesting elimination of Objective 1. For the most part, the NATURES-type modifications that are being funded for implementation at production level throughout the region are using untested iterations of NMFS NATURES variables of cover, structure, and substrate. It is possible that the unique combinations of these variables being implemented in each of these production programs may convey similar, or even enhanced, benefits as compared to the versions developed and tested by NMFS. However, we consider this an untested hypothesis. There is considerable risk that some or all of the chosen NATURES-type approaches currently being implemented at production facilities throughout the region may not result in the expected benefit as described by NMFS foundational research. This risk seems unacceptable considering the large investment the region is making in implementing NATURES-type strategies. We feel that our proposed production-scale full factorial evaluation of NATURES cover, structure, and substrate	Art. Production	AFC	1CPU
199302900	We have reviewed our budget for BPA Project 199302900 and found the amount originally requested is necessary to complete all work as proposed.	M&E	AFC	1CPU
199305600	We have identified potential reductions in the budget for Project 199305600, "Assessment of Captive Broodstock Technologies". This is a research project with no planned construction, so all reductions will come from the Operation and Maintenance category. We have identified in-kind cost sharing from other related (non-BPA funded) research projects to help offset the reduction, mainly from increased sharing of laboratory supplies and equipment. In addition, we estimate cost savings from re-using video and data storage media and repairing rather than purchasing new fish culture and sampling supplies and equipment. Our proposed reduction results in an overall budget request that is 1.0% less than the FY03 budget forecast from FY01. These budget revisions result in an overall cost savings for the Assessment of Captive Broodstock Technology project of \$30.0K in FY2003, \$31.1K in FY2004, and \$32.3K in FY2005.	Art. Production	AFC	1CPU
199403300	The Fish Passage Center budget proposal total for FY 2003 of \$1,316,323 is 8.6% below the forecast made in FY 2001. We believe we can reduce this budget another 1% by lowering the cost of living allowances and reducing the inflation factor, which seems reasonable considering the overall flat US economy in 2002 to date. The total reduction from the 2001 projection would then be 9.6%. See table 1 below for the revised projection. However, the Fishway Inspection portion of the FPC budget, which is reimbursed by federal and state agencies, would not be reduced but would remain at \$43,725 for 2003 and stay the same as previously projected for 2004 and 2005.	M&E	AFC	1CPU
199600500	Project #199600500 – ISAB – has reduced their budget from \$681,816 to \$550,277, for a savings of \$131,539. These are cost savings in the Contractor Hourly Services and Travel budget.	Support	all	6NWPPC
199601900		Data Manag.	AFC	7DNF
199602000	The CSS budget is difficult to change significantly without reducing the scope of work and the number of fish that are PIT tagged since the bulk of the budget is the cost of PIT tags (65%) and they are projected to remain at a cost of \$2.25 per tag in the foreseeable future. We did, however, lower the program and oversight costs 1% by reducing the cost of living allowances and the inflation factor.	M&E	AFC	1CPU
199602100		Water Quality	AFC	1CPU

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199606700	We have revised our FY2003 Operation and Maintenance budget request for the Manchester Spring Chinook Broodstock project from an initial \$750K to \$717.6K. The Operation and Maintenance budget revision was gained through a combination of many small cost reductions in items of manpower, supplies, and equipment. In addition, we revised our Construction/Implementation request for the installation/upgrade of our pipeline system that is critical to the continued operation of the program from an initial \$200k in FY2003 to \$160K. This Construction/Implementation cost savings is the result of NMFS NWFSC agreeing to increase its cost sharing to cover a larger portion of the labor cost of installation of the NMFS cost share contributed pipeline. Cost savings in FY2004 and FY2005 are a result of applying a minimal inflation factor of 3.4%/year to the Operation and Maintenance budget instead of the previous used larger factor that allowed for replacement of aging critical equipment. These budget revisions result in an overall cost savings for the Manchester Spring Chinook Broodstock project of \$72.4K in FY2003, \$83.0K in FY2004, and \$139.8K in FY2004.	Art. Production	AFC	1CPU
199702400	Budget cuts were achieved by eliminating two tasks (i.e., Task 3.2 and 3.3), increasing the cost sharing with other federal agencies for completion of Task 1.1, and increasing cost efficiencies on most of the remaining tasks.	Predation	AFC	1CPU
199705900	Although the initial budget request reflected a 66% reduction from the 2001 forecast, the Coalition determined that a short-term 50% reduction in habitat protection activities and related tasks could be instituted for one fiscal year without significantly undermining this programmatic project's intent to "protect, restore, enhance, and maintain priority habitats and species throughout the Columbia Basin in the state of Oregon." The 50% reduction of acquisition-related objectives and tasks resulted in a savings of \$1,890,500 for FY 03, and a reduction \$950,931 for FY 04 and 05 by establishing a base level for implementation without factoring in an inflation rate. Objective/Task 1.c. was removed from the O&M Phase and Objective/Task 2.e. was removed from the M&E Phase for FY 03. Objective/Task 1.c. (Conduct prescribed burns, in accordance with approved interim management plans) was reinstated for the 04 and 05 outyears. Otherwise, all Objectives and related tasks were considered essential to maintain the viability of the project. Budget reductions were the result of scoping down the acquisition-related objectives/tasks.	Support	WC	1CPU
199800401	Significant regional issues such as credit allocation to BPA for wildlife as well as fish projects, long-term O&M	Support	all	6NWPPC
199800800	The project sponsor provided an updated estimate of hours that will be required for facilitation for the Implementation Team, System Configuration Team, Technical Management Team, Water Quality Team, Water Quality Planning Group, and Regional Executives.	Support	AFC	1CPU
199803100		Support	AFC	1CPU
199900301	Modified Budget Reduction includes -\$10,000 for chum genetic analysis, -\$8,000 for airplane flights to count possible chum spawning in the mainstem Columbia downstream of the I-5 bridge. The new tasks for this project total approximately \$164,000 in 2003, \$172,000 in 2004, and \$181,000 in 2005. If further reductions are required, please refer to the full response to CBFWA.	Habitat	AFC	1CPU

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200000700	The reductions I can find in my project at this time would be in the field portion of the studies under Objective 3: Conduct experiments to address the fate of erythromycin in sediment ponds with a history of erythromycin treatment. This proposed savings is based on an optimistic review letter received from the Food and Drug Administration after the BPA proposal was submitted. They indicated that the scope of the field tests of environmental aspects could be reduced, providing we identified low laboratory risks.	Art. Production	AFC	1CPU
200001700	In response to the request to scrutinize the 200001700 budget, we are currently debating the pros and cons of eliminating one of the two proposed reconditioning sites in the Snake River basin. This design reduction may constitute the least jeopardy to the scientific rigor of the kelt reconditioning program, as the remaining Snake River basin site may serve as a reasonable analogue. Thus, if such a decision is made, in conjunction with cooperating programs and personnel (see below), it could result in a potential savings in the \$ 50,000 to \$ 80,000 range, including reductions in personnel, telemetry, and capital costs. However, specific budget figures are not available until impacts of such actions are more carefully evaluated. CRITFC project personnel were able to identify a cost savings on the Kelt Reconditioning Project (BPA 20001700) of approximately \$108K (see itemized attachment). Although not ideal to the project, we felt that elimination of one of the two Snake River reconditioning sites in the interest of cooperative budget reduction represented the least harm to the project's integrity and rigor. For more detailed comments, refer to full response to CBFWA.	Art. Production	AFC	1CPU
200002900	The proposal for this project describes three objectives: Objective 1) determine diagnostic characteristics of egg and larval stages of lampreys; Objective 2) evaluate temperature effects on the survival and early development of lampreys; and Objective 3) develop molecular techniques suitable for distinguishing Columbia River Basin lamprey species. The funding request for the first two of these objectives is necessary to provide a final completion product for this work as originally proposed. The funding level requested is a bare minimum already (with USGS actually picking up a greater portion of staff costs than expressed in the cost-share estimate in the proposal) and no level of reduction is possible to complete the tasks as described. Objective 3 is really an additional element of Objective 2. We described these as separate objectives in the proposal so that it would be transparent to reviewers why we needed additional funds and time. We feel this element is critical to reaching our goal of providing lamprey identification methodology to managers in the Columbia River Basin. However, since it is possible to defer this element of the work to a later year, I have pla	Lamprey	AFC	1CPU
200005200		Lamprey	AFC	4HP
200005500	The Nez Perce Tribe is investigating the use of a surplus travel trailer, which may eventually reduce their budget by approximately \$11,500 (budget has not been adjusted).	Enforcement	all	1CPU
200005600	The project sponsors reviewed the CRITFE Mainstem Conservation Enforcement Project. They have authorized a twenty thousand dollar (\$20,000) budget reduction from the O&M Category of Project 2000-056 for FY2003 only -- to assist in your attempt to balance this year's work plan budget. Any additional budget reduction for Project 2000-056 would cause a reduction in personnel and thus a direct loss of project effectiveness. This voluntary budget reduction was made by CRITFE with the expectation that (a) additional mandatory budget cuts would not be made by NPPC or BPA further along in the FY2003 process, and (b) consideration would be given for making funding available to the other Conservation Enforcement projects.	Enforcement	AFC	1CPU

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200100300	<p>The costs for the "ISO Adult PIT Interrogation System Installations" are based upon the implementation schedule discussed in regional planning forums. Costs could be deferred by making a decision to delay deployment of Adult PIT tag installations on a site by site basis. Some funds have been identified as cost share. I do not recommend removing this cost from that of the overall project. The reason for this is that the Corps of Engineers plans for installation are different from the installation assumptions made in the proposal. For example, at Ice Harbor, the proposal assumed four PIT tag detectors located at the counting windows of the Ice Harbor fish ladders. The Corps decided not to pursue the counting window approach due to technical difficulties, and have instead opted to install detectors in the weirs. This approach doubles the amount of electronics required and makes the antenna cost increase by a substantial amount.</p>	M&E	AFC	1CPU
200100700	<p>As the suggestions of the ISRP, two proposals evaluating commercial and recreational mark selective fisheries (35018 and 200100700 – Evaluate commercial and recreational selective fisheries) submitted for funding in the Mainstem Province by the Oregon and Washington departments of Fish and Wildlife were extensively revised and combined, then resubmitted to the ISRP for final review. To realize significant cost reductions, we have further modified the joint proposal to three objectives: Objective 1 - We will use a series of mark-recapture experiments to estimate the long-term survival of adult winter steelhead captured in and released from tangle nets used to harvest spring chinook salmon. Winter steelhead will be captured in tangle nets and at Bonneville Dam (control) and fitted with radio tags. Radiotags will be tracked throughout the Columbia River Basin using an extensive system of stationary receivers. In addition, we will estimate the net depth range in which 90% of the steelhead are captured. Objective 2 In cooperation with contracted fishers, we will evaluate the effects of mesh size (between 3.5" and 4.5") on species-specific catch rates, condition at The project sponsors removed the new work associated with sportfishing evaluations.</p> <p>For detailed comments, refer to the full response to CBFWA.</p>	Harvest	AFC	1CPU