

**Mainstem and Systemwide Proposals**

<b>Project ID</b>	<b>Title</b>	<b>How Many Extra Attachments Received</b>	<b>Date Received E-mailed Proposal(s) on:</b>	<b>Comments</b>
35001	Habitat Monitoring And Restoration Program For The Lower Columbia River And Columbia River Estuary		05/30/2002	Color map, black and white table and chart embedded in narrative
35002	Determine Origin, Movements And Relative Abundance Of Bull Trout In Bonneville Reservoir		05/30/2002	Black and white map embedded in the narrative. Electronic proposal support document.
35003	Vitality based studies of Delayed Mortality		05/31/2002	Web reference links, and color charts. As well as black and white charts and tables embedded in the narrative.
35004	Harvest Model Development		05/31/2002	Web reference links embedded in narrative.
35005	Independent Economic Analysis Board		05/31/2002	Web reference link embedded in narrative.
35006	Use of Mainstem Habitats by Juvenile Pacific Lamprey (Lampetra tridentata)		05/31/2002	Black and white table embedded in narrative.
35007	Evaluate Restoration Potential of Snake River Fall Chinook Salmon Spawning Habitat	None	05/31/2002	
35008	Systemwide Lamprey Program Coordinator	None	05/31/2002	
35009	Evaluate Status of Pacific Lamprey in the Willamette River Subbasin		05/31/2002	Black and white charts and tables embedded in narrative
35010	An Interactive Biodiversity Information System for the Columbia River Basin		05/31/2002	Web reference links, black and white tables, and color chart embedded in narrative.
35011	The Floating Net Pen Transportation System Pilot Project	None	06/02/2002	
35012	Spatial scales of homing and the efficacy of hatchery supplementation of wild populations		06/03/2002	Web reference links, color charts and maps embedded in narrative.
35013	Species- and site-specific impacts of gas supersaturation on aquatic animals		06/13/2002	Black and white tables and charts embedded in narrative.
35014	Measurement of Quantitative Genetic Variation Among Columbia River Basin Chinook Propagation Programs		06/03/2002	Black and white tables and chart embedded in narrative.
35015	Replicated stream system for the evaluation of hatchery and wild juvenile salmonid interaction and development of innovative culture technologies		06/03/2002	Web reference links, black and white charts and tables, and a color photo.
35016	A Pilot Study to Test Links Between Land Use / Land Cover Tier 1 Monitoring Data and Tier 2 and 3 Monitoring Data		06/03/2002	Web reference links embedded in narrative.

**Mainstem and Systemwide Proposals**

35017	Inventory and Synthesis of Physical Process Models and Methods to Supplement Habitat Conditions Analysis and Subbasin Planning		06/03/2002	Web reference links, black and white tables, and color chart embedded in narrative.
35018	Evaluate recreational and commercial mark-selective fisheries.		06/03/2002	Web reference link, black and white chart and tables, and color photo embedded in narrative.
35019	Develop and Implement a Pilot Status and Trend Monitoring Program for Salmonids and their Habitat in the Wenatchee and Grande Ronde River Basins		06/03/2002	Web reference links and black and white tables embedded in narrative.
35020	Regional Project Effectiveness Monitoring Program for Columbia River Basin Listed Anadromous Salmonids.		06/03/2002	Color table embedded in narrative.
35021	Purchase And Evaluation of Automated Marking and Tagging Systems (MATS)	None	06/03/2002	
35022	Habitat Mitigation Tracking System		06/03/2002	Black and white tables embedded in narrative.
35023	Establish Relationship between Fish Passage Survival and Turbine Operating Efficiency		06/03/2002	Hard copy proposal reference documents. Also, black and white tables, and color chart embedded in narrative.
35024	Evaluating the sublethal impacts of current use pesticides on the environmental health of salmonids in the Columbia River Basin		06/03/2002	Black and white tables, charts, photos, and letters of support embedded in narrative.
35025	Optimization of FCRPS Impacts on Juvenile Salmonids: Restoration of Lower-Estuary and Plume Habitats		06/03/2002	Web reference links, black and white charts and maps, color maps and charts embedded in narrative.
35026	On-line Subbasin Planning/Watershed Newsletter		06/03/2002	Web reference link embedded in narrative.
35027	Evaluation of Two Captive Rearing Methods for Assisting with Recovery of Naturally Spawning Populations of Steelhead and Coho Salmon		06/03/2002	Black and white tables embedded in narrative.
35028	Evaluate White Sturgeon Nutritional Needs & Contaminant Effects Influenced by the Hydroelectric System		06/03/2002	Black and white charts and tables embedded in narrative
35029	Transfer IHN virus genetic strain typing technology to fish health managers		06/03/2002	Black and white charts, maps, and tables embedded in narrative.
35030	Evaluate potential to enhance spawning of summer/fall chinook salmon in the tailrace of Chief Joseph Dam, Columbia River		06/03/2002	Black and white tables embedded in narrative.
35031	Tagging Study Technical Committee		06/03/2002	Black and white tables embedded in narrative.

## Mainstem and Systemwide Proposals

35032	Assess the Feasibility of Reducing Predation on Juvenile Salmonids in the Columbia River Through Operation of the Hydropower System		06/03/2002	Black and white tables, charts, and web reference links embedded in narrative.
35033	Collaborative, Systemwide Monitoring and Evaluation Program		06/03/2002	Web reference links, black and white tables and chart, color table and charts embedded narrative.
35034	Fish Behavioral Guidance Through Water Velocity Modification PHASE ONE		06/03/2002	Web reference links, color charts, black and white tables and chart embedded in narrative.
35035	Incorporating Pit Tag Technology to Evaluate and Monitor the Reintroduction Effort for Anadromous Salmonids in the Upper Cowlitz Watershed		06/03/2002	Black and white table embedded in narrative.
35036	Identify the mechanisms of stranding of juvenile fall chinook salmon in the Hanford Reach			Black and white tables, and web reference link embedded in narrative.
35037	Measuring the potential for domestication selection of spawn timing in chinook captive and supplementation programs; implications for recovery	None	06/03/2002	
35038	Develop Computational Fluid Dynamics Model to Predict Total Dissolved Gas Below Spillways		06/03/2002	Black and white tables and diagram, and color chart embedded narrative.
35039	The influence of hatcheries and their products on the health and physiology of naturally rearing fish		06/03/2002	Black and white tables and web reference link embedded in narrative.
35040	Determination of post-release survival of spring chinook salmon in a mark-selective sport fishery		06/03/2002	Black and white tables, and letter of support embedded in narrative.
35041	Monitoring the reproductive success of naturally spawning hatchery and natural spring chinook salmon in the Wenatchee, Tucannon, and Kalama Rivers		06/03/2002	Color chart, black and white tables, diagrams, map, and chart embedded in narrative.
35042	Evaluate the Effects of Prey Availability on Recruitment of White Sturgeon in the Columbia River		06/03/2002	Black and white tables and diagrams embedded in narrative.
35043	Monitoring and Models for Adaptive Management of White Sturgeon		06/03/2002	Black and white map, color photo, and web reference link embedded in narrative.
35044	Determine Effects of Contaminants on White Sturgeon Reproduction and Parental Transfer of Contaminants to Embryos in the Columbia River Basin		06/03/2002	Black and white charts and tables embedded in narrative

**Mainstem and Systemwide Proposals**

35045	Modeling and Information Management System to Assess Effectiveness of Alternative Actions		06/03/2002	Color charts, black and white chart embedded in narrative. Also electronic "Read Me First" document, electronic report.
35046	Estimate juvenile salmon residence in the Columbia River Plume using micro-acoustic transmitters		06/03/2002	Web reference link and color chart embedded in narrative.
35047	Evaluate Delayed (Extra) Mortality Associated with Passage of Yearling Chinook Salmon Smolts through Snake River Dams		06/03/2002	Black and white diagram embedded in narrative.
35048	NWFSC Salmon Data Management, Analysis, and Access for Research Monitoring and Evaluation Programs		06/03/2002	Electronic resume attachment
35049	A multiscale evaluation of steelhead supplementation in the West Fork Elochoman River		06/03/2002	Black and white tables embedded in narrative.
35050	UW Offsite Habitat and Fish Survival Effectiveness Monitoring		06/03/2002	Appendix, black and white tables embedded in narrative
35051	Evaluate Feasibility of a System-wide Multi-Agency Fish, Wildlife & Habitat Conservation Enforcement Web-Based Data Center		06/03/2002	Web reference links , and black and white table embedded in narrative.
35052	Conservation Enforcement to Enhance and Restore Fish & Wildlife Resources of the Upper Columbia River under Jurisdiction of the Colville Tribes		06/03/2002	Black and white tables, color table, and map embedded in narrative.
35053	Biological Feasibility of Reintroducing Fishwheels to the Columbia River System		06/03/2002	Color photo, web reference links, Appendix, and black and white table embedded in narrative.
35054	Engaging the Public in Watershed Planning; A Tool Box for Cultural Shift		06/03/2002	Web reference links embedded in narrative. Also an electronic letter of support attachment.
35055	Role of Bacteria as Indicator Organisms for Watershed Assessment and in Determining Fish Pathogen Relationships with Fauna of Abernathy Creek		06/03/2002	Text highlighted in color in narrative. Also color maps, black and white tables embedded in narrative.
35056	Develop Human Resources Necessary to Exercise Co-Management Responsibilities		06/03/2002	Black and white table, and web reference links embedded in narrative.
35057	HABITAT CONDITION AND RESTORATION POTENTIAL OF COLUMBIA RIVER FLOOD PLAINS: A CRITICAL, MISSING ELEMENT OF FISHERIES RECOVERY SCIENCE AND POLICY		06/03/2002	Web reference links, color maps, charts and photos, and black and white diagram and tables embedded in narrative.
35058	Evaluation of food availability and juvenile salmonid growth rates under differing thermal and sediment regimes		06/03/2002	Black and white tables, color chart embedded in narrative.

## Mainstem and Systemwide Proposals

35059	Rapid Detection of White Sturgeon Iridovirus in Spawning Fluids, Eggs and Juvenile Tissues of White Sturgeon		06/03/2002	Web reference links, black and white table embedded in narrative.
35060	Instream evaluation of populations, migration, individual adult return and wild-hatchery interactions of naturally produced salmonids		06/03/2002	Color photo, map, black and white table embedded in narrative.
35061	Prophylactic Treatments for White Sturgeon Infected with the White Sturgeon Iridovirus (WSIV)		06/03/2002	Black and white table embedded in narrative.
35062	Impacts of Flow Regulation on Riparian Cottonwood Ecosystems in the Columbia River Basin		06/03/2002	Black and white chart, maps, and tables, color charts, maps, and photos, Appendix A, and letters of support embedded in narrative.
35063	Compare Bacterial Fish Pathogen Populations in Hatchery Water and in Adjacent Creek Water and Evaluate Possible Disease Transfer Between Them		06/03/2002	Black and white table embedded in narrative.
195505500	Umatilla Tribal Fish & Wildlife Enforcement		06/03/2002	Black and white tables embedded in narrative.
198201301	Coded-Wire Tag Recovery Program		06/03/2002	Grayscale chart and maps, color chart, and web reference links embedded in narrative.
198201302	Annual Stock Assessment - Coded Wire Tag Program (ODFW)		05/31/2002	Black and white tables in embedded in narrative.
198201304	Annual Stock Assessment - Coded Wire Tag Program (WDFW)		05/31/2002	Black and white tables embedded in narrative.
198331900	New Marking and Monitoring Techniques for Fish		06/03/2002	Electronic resume and color chart attachments
198605000	White Sturgeon Mitigation And Restoration In The Columbia And Snake Rivers Upstream From Bonneville Dam		05/30/2002	Color maps, black and white tables embedded in narrative
198712700	Smolt Monitoring by Federal and Non-Federal Agencies		06/03/2002	Black and white tables, web reference link embedded in narrative.
198740100	Assessment of Smolt Condition: Biological and Environmental Interactions		06/03/2002	Black and white chart and web reference link embedded in narrative.
198810804	StreamNet		06/03/2002	Web reference links, black and white tables embedded in narrative.
198906201	Fish and Wildlife Program Implementation	None	06/03/2002	
198906500	Annual Stock Assessment - CWT (USFWS)		06/03/2002	Black and white tables embedded in narrative.

**Mainstem and Systemwide Proposals**

198907201	Independent Scientific Advisory Board Support	None	06/03/2002	
198909600	Monitor and evaluate genetic characteristics of supplemented salmon and steelhead		06/03/2002	Black and white tables and diagram embedded in narrative.
198910700	Statistical Support for Salmonid Survival Studies		05/31/2002	Web reference links, black and white tables embedded in narrative.
199007700	Northern Pikeminnow Management Program		05/30/2002	Black and white map, and table, and web reference link embedded in narrative
199008000	Columbia Basin Pit Tag Information System		06/02/2002	Web reference links, color charts, and map embedded in narrative.
199009300	Genetic Analysis of Oncorhynchus nerka (modified to include chinook salmon)		06/03/2002	Black and white tables embedded in narrative.
199105100	Monitoring and Evaluation Statistical Support		05/31/2002	Web reference links, color chart, black and white tables embedded in narrative.
199105500	Natural Rearing Enhancement Systems (NATURES)		06/03/2002	Black and white tables embedded in narrative.
199302900	Estimate Survival for the Passage of Juvenile Salmonids Through Dams and Reservoirs of the Lower Snake and Columbia Rivers		06/03/2002	Web reference links embedded in narrative.
199305600	Assessment of Captive Broodstock Technologies		05/31/2002	Black and white tables, and web reference link embedded in narrative.
199403300	The Fish Passage Center		06/03/2002	Black and white tables embedded in narrative.
199600500	Independent Scientific Advisory Board		06/03/2002	Black and white tables and web reference link embedded in narrative.
199601900	Second-Tier Database Support		05/31/2002	Web reference links, and color charts embedded in the narrative.
199602000	Comparative Survival Rate Study (CSS) of Hatchery Pit Tagged Chinook & Comparative Survival Study Oversight Committee		06/03/2002	Black and white tables and diagrams embedded in narrative.
199602100	Gas Bubble Disease Research And Monitoring Of Juvenile Salmonids	None	05/30/2002	
199606700	Manchester Spring Chinook Broodstock Project		06/03/2002	Black and white tables embedded in narrative.

**Mainstem and Systemwide Proposals**

199702400	Avian Predation on Juvenile Salmonids in the Lower Columbia River		06/03/2002	Web reference link, black and white table embedded in narrative. Hard copy reports.
199705900	Securing Habitat Mitigation Sites - Oregon		06/03/2002	Black and white tables embedded in narrative.
199800401	Electronic Fish and Wildlife Newsletter		06/03/2002	Web reference link embedded in narrative.
199800800	Regional Forum Facilitation Services		06/03/2002	Web reference link, black and white table embedded in narrative.
199803100	Implement Wy-Kan-Ush-Mi Wa-Kish-Wit Watershed Assessment and Restoration Plan Now	None	06/03/2002	
199900301	Evaluate Spawning of Fall Chinook and Chum Salmon Just Below the Four Lowermost Mainstem Dams		06/03/2002	Web reference link, and color map embedded in narrative.
200000700	Infrastructure to Complete FDA Registration of Erythromycin		06/03/2002	Black and white tables, color chart and map embedded in narrative.
200001700	Kelt Reconditioning: A Research Project to Enhance Iteroparity in Columbia Basin Steelhead ( <i>Oncorhynchus mykiss</i> )		06/03/2002	Black and white tables embedded in narrative.
200002900	Identification And Thermal Requirements Of Larval Pacific, River, And Western Brook Lampreys		05/31/2002	Grayscale charts and map embedded in narrative.
200005200	Upstream Migration Of Pacific Lampreys In The John Day River: Behavior, Timing, And Habitat Use		05/31/2002	Black and white tables and charts, color charts and maps, and web reference link embedded in narrative
200005500	Enhanced Conservation Enforcement for Fish & Wildlife, Watersheds of the Nez Perce		06/03/2002	Web reference links, color tables, and black and white tables embedded in narrative.
200005600	Protect Anadromous Salmonids in the Mainstem Corridor		06/03/2002	Color tables and charts, web reference links, and black and white tables embedded in narrative.
200100300	Iso Adult Pit Interrogation System Installations		06/02/2002	Web reference links, black and white tables, color chart and photo embedded in narrative.
200100700	Evaluate live capture selective harvest methods for commercial fisheries on the Columbia River 2001-007-00	None	06/03/2002	