

Innovative Proposals

Project ID	Title	How Many Extra Attachments Received	Date Received E-mailed Proposal(s) on:	Comments
34001	Pilot Study: Spatial and Temporal Occurrence of Salmonid Pathogens in the Upper Middle Mainstem Subbasin of the Columbia Cascade Province		03/21/2002	Color map and photo, black and white charts and tables embedded in narrative
34002	Evaluate Spawning Protocols and the Reproductive Success of Salmonids in Hatcheries	None	03/27/2002	
34003	Salmon Run Generator (SRG).		03/28/2002	Color, black and white diagrams embedded in narrative.
34004	Develop Computational Fluid Dynamics Model to Predict Total Dissolved Gas Below Spillways		03/29/2002	Color chart, black and white tables and diagram, and web reference links embedded in narrative.
34005	Application of DNA Fingerprinting Microarrays and Semi-Automated Data Analysis Methods for Salmonid Stock Identification in the Columbia Basin		03/29/2002	Color charts and diagrams, black and white diagrams and table embedded in narrative
34006	Assess Salmon Carcass Nutrient-Macroinvertebrate-Avian Relationships in Riparian Ecosystems of the Yakima Subbasin		04/01/2002	Web reference link embedded in narrative
34007	New Life for dead stream		04/02/2002	Hardcopies of color charts and aerial photo, black and white aerial photo and map. Two electronic support documents.
34008	Use a Multi-Watershed Approach to Increase the Rate of Learning from Columbia Basin Watershed Restoration Projects		04/02/2002	Black and white charts and tables, color map and chart, web reference links embedded in narrative
34009	Net Pen Rearing Spring Chinook In Lake Osoyoos	None	04/03/2002	
34010	Visualization Tools for Information Discovery and Decision Support		04/03/2002	Color chart, and web reference links embedded in narrative
34011	Western Painted Turtle Habitat Restoration Project	None	04/03/2002	
34012	Sponsor A Smolt		04/03/2002	Web reference link embedded in narrative
34013	Restore Ecological Structure And Function To Grays Lake Using A Decision Support System		04/03/2002	Color maps, black and white table, web reference links embedded in narrative
34014	Assessing Potential Biological and Toxicological Effects of Parental Transfer of Environmental Contaminants to White Sturgeon in the Columbia River	None	04/03/2002	
34015	Neotropical Migratory Bird Habitat Restoration Project	None	04/03/2002	
34016	Behavioral Motivation in the Evaluation of Culvert Designs for Juvenile Salmonid Passage		04/03/2002	Color chart, black and white drawing, web reference links

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34017	Low-Cost Thermal Imaging System for Aerial Remote Sensing Applications		04/03/2002	Black and white tables, photos, and drawing, color charts, photos, and web reference link embedded in narrative
34018	Evaluate Engineering Conceptual Design and Field Application of Pisces Fish Passage Unit		04/03/2002	Color charts and photo, black and white table and chart, web reference link embedded in narrative
34019	Evaluate the Effects of Hyporheic Discharge on Egg Pocket Water Temperature in Snake River Fall Chinook Salmon Spawning Areas		04/03/2002	Black and white charts embedded in narrative
34020	Fish Behavioral Guidance Through Water Velocity Modification PHASE ONE		04/03/2002	Web reference link embedded in narrative
34021	Using stable isotope ratios to explore positive or negative impacts of American shad on salmon and the aquatic community in the Columbia River		04/03/2002	Black and white charts, map, and tables, color map, and web reference links embedded in narrative
34022	Evaluate the population structure of chinook salmon by combining inferences from ecological, demographic, and molecular genetic analysis		04/03/2002	Web reference links, color map, black and white table embedded in narrative
34023	Laboratory, Prototype, and Field Evaluation of Undershot Horizontal Fish Screen in the Hood River Basin		04/03/2002	Color table, black and white table embedded in narrative
34024	Integrating remote sensing and topographic indices to detect the impact of invasive species on critical winter elk forage areas		04/03/2002	Color charts embedded in the narrative
34025	Assess role of estuarine habitat in maintaining chinook salmon life history diversity in the Columbia River using remote PIT tag monitoring systems	None	04/03/2002	
34026	Studying the Impacts of Dam Passage on the Vestibular System in Fish		04/03/2002	Black and white charts and drawings, and web reference links are embedded in the narrative
34027	Controlling the Distribution of American Shad (<i>Alosa sapidissima</i>) with Pulsed Ultrasound Near Fish Ladders and at a Sluiceway Entrance		04/03/2002	Color chart and photo, and web reference link embedded in narrative
34028	Innovative Technologies for Mapping Large Woody Debris and Assessing Fish Distribution		04/03/2002	Color photos and map, black and white maps embedded in narrative
34029	Geomorphic Controls on Salmonid Spawning Habitat in Mountain Drainage Basins of the Pacific Northwest		04/03/2002	Black and white chart, and color maps embedded in narrative
34030	Enhancing Instream Flow by Adopting Best Agricultural Management Practices		04/03/2002	Web reference links embedded in narrative
34031	Biological and Economic Feasibility of Reintroducing Fishwheels to the Columbia River System		04/03/2002	Color photo and web reference links embedded in narrative

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34032	Otolith Marking using Portable Mist Incubation		04/03/2002	Web reference link embedded in narrative
34033	Demonstrate novel methods of mist incubation and mechanical egg planting in salmon restoration		04/03/2002	Web reference links embedded in narrative
34034	High-Speed Fish Screen for Irrigation Diversion		04/03/2002	Color map, black and white map and drawing embedded in narrative. 4 electronic support documents
34035	Chinook Salmon Abundance Monitoring Using an Acoustic Camera		04/03/2002	Video clip of support documentation
34036	Development and Demonstration of Automatic Calibration Tools for Models to Assess Biological Performance of Habitat Restoration Strategies		04/03/2002	Black and white charts, color charts, and web reference links embedded in narrative. 1 electronic support document,
34037	Analysis of alternative hatchery and fishery configurations in the Columbia River Basin		04/03/2002	Black and white chart and map embedded in narrative.