

Project No	Title	Sponsor	CBFWA Priority	CBFWA Comments	ISRP Ranking	Request
34001	Pilot Study: Spatial and Temporal Occurrence of Salmonid Pathogens in the Upper Middle Mainstem Subbasin of the Columbia Cascade Province	WSU	High Priority		7	\$199,461.00
34002	Evaluate Spawning Protocols and the Reproductive Success of Salmonids in Hatcheries	UE	Recommended Action		6	\$197,799.00
34003	Salmon Run Generator (SRG).	ALLC	Do Not Fund		Unranked	\$198,500.00
34004	Develop Computational Fluid Dynamics Model to Predict Total Dissolved Gas Below Spillways	ENSR	Do Not Fund	This proposal did not meet the criteria outlined in the solicitation package. The proposal is redundant to activities that are already occurring through the FCRPS BiOp. There is already a MASS 2 numerical model and a SYSTDG spreadsheet model that have been developed for this purpose.	10	\$630,077.00
34005	Application of DNA Fingerprinting Microarrays and Semi-Automated Data Analysis Methods for Salmonid Stock Identification in the Columbia Basin	PNNL	High Priority		16	\$200,000.00
34006	Assess Salmon Carcass Nutrient-Macroinvertebrate-Avian Relationships in Riparian Ecosystems of the Yakima Subbasin	NHI	Recommended Action		Unranked	\$184,280.00
34007	New Life for dead stream	BVID	Do Not Fund		Unranked	\$41,565.00
34008	Use a Multi-Watershed Approach to Increase the Rate of Learning from Columbia Basin Watershed Restoration Projects	ESSA	High Priority		1	\$199,764.00
34009	Net Pen Rearing Spring Chinook in Lake Osoyoos	CCT	Do Not Fund		Unranked	\$199,000.00
34010	Visualization Tools for Information Discovery and Decision Support	PNNL	Recommended Action		11	\$199,867.00

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34011	Western Painted Turtle Habitat Restoration Project	PES	Do Not Fund		Unranked	\$58,417.00
34012	Sponsor A Smolt	MSRF	Do Not Fund		Unranked	\$58,061.00
34013	Restore ecological structure and function to Grays Lake Using a Decision Support System	USGS	Do Not Fund		Unranked	\$200,000.00
34014	Assessing Potential Biological and Toxicological Effects of Parental Transfer of Environmental Contaminants to White Sturgeon in the Columbia River	OSU	Do Not Fund		Unranked	\$199,000.00
34015	Neotropical Migratory Bird Habitat Restoration Project	PES	Do Not Fund		Unranked	\$197,320.00
34016	Behavioral Motivation in the Evaluation of Culvert Designs for Juvenile Salmonid Passage	PNNL	Do Not Fund		Unranked	\$199,989.00
34017	Low-Cost Thermal Imaging System for Aerial Remote Sensing Applications	SMI	Recommended Action		15	\$115,674.00
34018	Evaluate Engineering Conceptual Design and Field Application of Pisces Fish Passage Unit	WPN	Do Not Fund		Unranked	\$194,864.00
34019	Evaluate the Effects of Hyporheic Discharge on Egg Pocket Water Temperature in Snake River Fall Chinook Salmon Spawning Areas	PNNL	High Priority		1	\$196,299.00
34020	Fish Behavioral Guidance Through Water Velocity Modification PHASE ONE	NS	Do Not Fund		Unranked	\$222,586.00
34021	Using stable isotope ratios to explore positive or negative impacts of American shad on salmon and the aquatic community in the Columbia River	USGS	High Priority		4	\$181,249.00

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34022	Evaluate the population structure of chinook salmon by combining inferences from ecological, demographic, and molecular genetic analysis	USFS-RMRS	High Priority	The project sponsors should coordinate closely with Fred Utter, the Interior Columbia Basin Technical Recovery Team geneticist, in order to maximize benefits from this project.	1	\$199,957.00
34023	Laboratory, Prototype, and Field Evaluation of Undershot Horizontal Fish Screen in the Hood River Basin	CTWSRO and FID	High Priority	The proposed evaluation does not specifically call for the system to be tested for fish egress/bypass. One principle concern with this concept is that when flow gets shallow over the screen face, will fish continue beyond the screen and be bypassed back to the river? More specific biological evaluation is needed. This project needs to coordinate closely with NMFS in developing this technology.	13	\$187,004.00
34024	Integrating remote sensing and topographic indices to detect the impact of invasive species on critical winter elk forage areas	CTUIR	High Priority	We agree with the ISRP comment that more detailed information would be helpful, but disagreed with the ISRP do not fund recommendation. The Wildlife Committee felt that the study would provide information useful for making decisions on project prioritization.	Unranked	\$133,677.00
34025	Assess role of estuarine habitat in maintaining chinook salmon life history diversity in the Columbia River using remote PIT tag monitoring systems	OSU	High Priority	We have used PIT tags successfully throughout the Basin. The application for estuarine environments will provide significant information that will be helpful in our understanding of chinook life history in this habitat.	Unranked	\$196,853.00

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34026	Studying the Impacts of Dam Passage on the Vestibular System in Fish	PNNL	Do Not Fund	Development of experimental designs will require completion of objectives 1 through 4, which constitute a feasibility assessment of the methods to perform controlled laboratory scale experiments where treatments are mechanical stimulation of fish which mimics aspects of the exposure of fish to severe hydraulic conditions during passage past mainstem Columbia and Snake river dams. The major experimental risk at this point in the project is that the approach has been determined to be infeasible.	12	\$195,850.00
34027	Controlling the Distribution of American Shad ( <i>Alosa sapidissima</i> ) with Pulsed Ultrasound Near Fish Ladders and at a Sluiceway Entrance	PNNL	Recommended Action		9	\$200,000.00
34028	Innovative Technologies for Mapping Large Woody Debris and Assessing Fish Distribution	BMSL	High Priority	The side scan sonar has had very important application in other nearshore marine environments, notably eelgrass and the significant management issues related to it. Large woody debris has been demonstrated to be important to salmonids. Side scan sonar will readily detect large woody debris. This proposal will use the technique to characterize this habitat feature in the estuarine environment.	Unranked	\$172,358.00

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34029	Geomorphic Controls on Salmonid Spawning Habitat in Mountain Drainage Basins of the Pacific Northwest	UI and USFS-RMRS	Recommended Action		17	\$199,953.00
34030	Enhancing Instream Flow by Adopting Best Agricultural Management Practices	WSU	High Priority		8	\$199,312.00
34031	Biological and Economic Feasibility of Reintroducing Fishwheels to the Columbia River System	SA	Do Not Fund		Unranked	\$260,525.00
34032	Otolith Marking using Portable Mist Incubation	ARED	Do Not Fund		Unranked	\$121,952.00
34033	Demonstrate novel methods of mist incubation and mechanical egg planting in salmon restoration.	ARED	Do Not Fund		Unranked	\$199,991.29
34034	High-Speed Fish Screen for Irrigation Diversion	WEID	Do Not Fund		Unranked	\$250,000.00
34035	Chinook Salmon Abundance Monitoring Using an Acoustic Camera	PNNL	Recommended Action		14	\$146,900.00
34036	Development and Demonstration of Automatic Calibration Tools for Models to Assess Biological Performance of Habitat Restoration Strategies	PNNL	High Priority		5	\$205,715.00
34037	Analysis of alternative hatchery and fishery configurations in the Columbia River Basin	SPCA	Do Not Fund		Unranked	\$67,200.00