

**Bonneville Power Administration FY2002 Innovative
Project Proposal Recommendations**

Proposal Number	Province/ Subbasin	Proposal/ Project Title	Sponsor	ISRP Rank	BPA Rank	RPA RPM	BPA Comments
34005	System-wide	Application of DNA Fingerprinting Microarrays and Semi-Automated Data Analysis Methods for Salmonid Stock Identification in the Columbia Basin.	PNNL	16	A	180	Recommend. The development of this technique could contribute to progress toward meeting population status monitoring objectives of the NMFS Biological Opinion. The funding responsibility for population status monitoring is still being discussed by BPA, NMFS and USFWS, however, the development of the specific techniques to be used could be appropriate for BPA funding under the Innovative Project solicitation .
34019	Blue Mountain	Evaluate the Effects of Hyporheic Discharge on Egg Pocket Water Temperature in Snake River Fall Chinook Salmon Spawning Areas	Battelle PNNL	1	A	155	Recommend. The proposal addresses source of problems for Snake River fall chinook and focusses on a life history solution, thus it may provide the means to achieve more progress toward performance standards than current efforts. An agreement from Idaho Power to provide necessary hydro operations is pivotal if study is to continue beyond the start up innovative stage.
34021	Lower Columbia	Using Stable Isotope Ratios to Explore Positive or Negative Impacts of American Shad on Salmon and the Aquatic Community in the Columbia River	USGS	4	A	CR 11.4	Recommend. Concur with ISRP comments.
34023	Columbia Gorge	Laboratory, Prototype, and Field Evaluation of Undershot Horizontal Fish Screen in the Hood River	CTWSIRO and Farmers Irrigation District	13	A	149	Recommend. Good proposal that appears to have high likelihood of success.

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34022	Mountain Snake	Evaluate the Population Structure of Chinook Salmon by Combining Inferences from Ecological, Demographic, and Molecular Genetic Analysis	USFS Rocky Mountain Research Station	1	A-Conditional	180	Recommend, contingent on coordination with NMFS and others to ensure that it does not duplicate work currently underway. The development of this technique could lead toward achieving population status monitoring objective in the Biological Opinion. The funding responsibility for population status monitoring is still being discussed by BPA, NMFS and USFWS, however, the development of the specific techniques to be used could be appropriate for BPA funding under the Innovative Project solicitation
34008	System-wide	Use a Multi-Watershed Approach to Increase the Rate of Learning from Columbia Basin Watershed Restoration Projects	ESSA Technologies, Inc.	1	C	180	Do not recommend at this time. Proposal overlaps with ongoing work and proposals submitted to Mainstem/Systemwide Provincial Review. Defer consideration pending coordination of needs and assurances that there is no duplication of effort or funding of unnecessary activities.
34030	Blue Mountain	Enhancing Instream Flow by Adopting Best Agricultural Management Practices	WSU	8	C	151	Do not recommend. Project does not protect water for instream uses. Without such a mechanism, or a plan to address the problem, any conserved water will likely be allocated to other water users.
34036	System-wide	Development and Demonstration of Automatic Calibration Tools for Models to Assess Biological Performance of Habitat Restoration Strategies	Battelle PNNL	5	C	180	Recommend funding under the NPPC contract for subbasin planning. Any funding should be contingent on additional rationale on the assumption that models calibrated to a few streams in Idaho would have applicability to subbasins throughout the Columbia River Basin.
34002	System-wide	Evaluate Spawning Protocols and the Reproductive Success of Salmonids in Hatcheries	UW	6	D	none	Do not recommend. This work does not now seem to be a Biological Opinion priority. Majority of project budget is devoted to a literature search and the applicability of research portion to Columbia Basin hatcheries is questionable.