

**Appendix A. - Results from the CBFWA project proposal review for the Blue Mountain Province. The HP, RA, and DNF designations in the CBFWA Category represent high priority, recommended action, and do not fund, respectively. Note: Due to space constraints, text in the criteria fields shown as “n” over “a” should be interpreted as “n/a”.**

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27001	Asotin County Riparian Buffer and Couse and Tenmile Creeks Protection and Implementation Project	Asotin County Conservation District	Asotin	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	The proposed work would allow for stabilizing channel conditions in Tenmile and Couse creeks (creeks which are major producers of sediment to the Snake River). With increased water quality resulting from this work, the WDFW suggests there would be an increase in listed fall chinook spawning at the mouths of the creeks; however, reviewers expressed concern that measurable outcomes are absent from many of the objectives. Although the proposal lacks monitoring for temperature and sediment the work, such parameters are being monitored. The CREP leases will be for 15 years. Reviewers suggest results from this work would aid management from a long-term standpoint; however, the work may not be critical at this time. Project addresses RPA 400 and partially address RPA 153.	HP
27002	Assess Salmonids in the Asotin Creek Watershed	Washington Department of Fish and Wildlife	Asotin	Y	Y	Y	N	N	N	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	This proposal represents an attempt to address the concerns that the ISRP has had for the last 3-5 years relative to Project 199401805. Project 199401805 has provided field measurements of water flows and temperatures, and extensive riparian and upland measurements coupled with WDFW data on salmonid rearing and spawning distribution and abundance. With the extensive planning document and preliminary habitat improvements, the proposed work would build from baseline monitoring and focus on collecting data to address more specific concerns about naturally produced steelhead and general salmonid productivity in Asotin Creek. These data are key elements necessary for watershed and fish stock restoration planning and implementation within the subbasin. The proposed work provides monitoring for proposal 27014. Project addresses RPA 180.	HP

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27009	SSHIAP - Blue Mountain Province	Washington Department of Fish and Wildlife	Asotin	Y	Y	Y	N	N	N	N	Y	N	N	Y	Y	Y	Y	N	Proposal addresses RPA 154. The reviewers question whether the 75-80% accuracy rate is acceptable and whether the work would be performed at the correct scale. The reviewers express concern that the results may be too coarse and that there should be "ground truthing" before implementing the proposed work. In addition, the reviewers suggest that other techniques (e.g., GAP analysis) provide similar data. The reviewers indicated that there was a lack of coordination with other managers.	RA
27014	Protect and Restore the Asotin Creek Watershed	Nez Perce Tribal Fisheries Watershed Program	Asotin	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	The proposal addresses RPAs 152 and 400. Monitoring for the proposed work will be performed through Project 199401805 and the LSRCP.	HP
27025	Acquire South Fork Asotin Creek Property	Rocky Mountain Elk Foundation	Asotin	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Proposal addresses RPA 150 and 153. The sponsor indicated that the land owner is serious about selling the property and that there is a letter of intent and that the property owner has been approached by another party that has indicated that they are interested in purchasing the property if the RMEF purchase does not materialize. The reviewers indicated that the property would not be available for purchase in another three years. The RMEF is actively looking for matching funds to aid in purchasing the property; however, the sponsor indicated that the uncertainty of receiving BPA funds has limited the sponsors ability to secure matching funds. Although the sponsor has coordinated the efforts with the WDFW and has received support from local sports groups, there has been a lack of coordination with the NPT. The sponsor submitted an addendum to the NWPPC staff during the project presentation in LaGrande, OR; however, the reviewers did not have an opportunity to review the addendum. According to the sponsor, According to the sponsor, the addendum possessed modified M&E plans as well as a modified budget. Fish and wildlife populations could significantly benefit from the purchase and management of this property. The Wildlife Committee rated the project as having significant wildlife benefits using the criteria of permanence, size, connectivity to other habitat, and juxtaposition to public lands. There is potential benefits for listed steelhead. The RMEF is actively seeking to reduce	HP

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																					the amount requested from BPA by pursuing landowner tax incentives, cost sharing, and/or multiyear funding of the property.	
199401805	Continued Coordination and Implementation of Asotin Creek Watershed Projects	Asotin County Conservation District	Asotin	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Addresses RPA 153 which requires a connection to CREP and commitments of at least 15 years. Although there is no specific reference to sediment and temperature monitoring in the proposal, the work is being performed through this project by the USFS and WDFW. Species that benefit from the proposed work include all life stages of spring chinook, bull trout, and steelhead. The sponsors indicated that there are 15+ CREP commitments (15 year commitments) in place.	HP
27003	Characterize and Assess Wildlife-Habitat Types and Structural Conditions for Subbasins within the Blue Mountain Province	Northwest Habitat Institute	Grande Ronde	Y	N	Y	Y	N	N	N	N	Y	Y	N	Y	Y	Y	Y	N	N	This activity is currently being funded under the Ecosystem Diagnosis and Treatment project at NWPPC. The need for expansion of this project to produce finer resolution within each province should be determined through the EDT assessment process. If that process determines that finer resolution is necessary for regional planning, then funding for expansion should be provided through the NWPPC subbasin assessment effort. This should be reviewed by the Regional Assessment Advisory Committee.	RA
27004	Grande Ronde and Imnaha Stream Channel Complexity and Fish Passage Barrier Inventory, Prioritization and Remediation	Oregon Watershed Enhancement Board	Grande Ronde	N	Y	N	N	Y	Y	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Although the proposal presented a potentially good concept, it was incomplete and as a result the reviewers could not evaluate the technical and management merits. The reviewers identified a need for coordination between this proposal and Proposal 27022 and suggested that a funding decision should be deferred until the subbasin planning process is completed. In addition, the reviewers indicate that an inventory of fish passage barriers is not warranted since barriers to fish passage have already been identified. The managers indicated that there has been a lack of coordination with the management agencies.	DNF

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27005	Increase CREP Enrollment and Enhance Riparian Protections in the Grande Ronde and Imnaha basins	Oregon Watershed Enhancement Board	Grande Ronde	N	N	N	N	N	Y	N	N	Y	N	Y	Y	N	N	Y	Proposed work would address RPA 153 if it involves CREP. Although the proposal presented a potentially good concept, the proposal was not developed well enough to assess the technical and management merits. The reviewers suggest the project needs to be implemented consistent with limiting factors and problem locations identified in subbasin summaries and eventually subbasin planning to ensure fisheries benefits to target species.	DNF
27006	Establishing Baseline Key Ecological Functions of Fish and Wildlife for Subbasin Planning	Northwest Habitat Institute in collaboration with the Washington Department of Fish and Wildlife	Grande Ronde	Y	N	Y	Y	N	N	N	N	Y	Y	N	Y	Y	Y	N	Although the reviewers suggest that the knowledge of species functions in ecosystems is important and has potential management implications, the reviewers question whether the information that would be developed could be used for management purposes. The managers expressed a concern about the lack of coordination. It may be appropriate for the Regional Assessment Advisory Committee to review this proposal.	DNF
27007	<i>*Merged with Mountain Snake project 28005</i>		Grande Ronde																	
27008	Grande Ronde River Riparian Restoration	Department of the Interior, Bureau of Land Management, Vale District Office, Baker Field Office	Grande Ronde	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Although an M&E plan was absent from the proposal, the sponsor indicated that efforts would be undertaken to develop such a plan following the completion of NEPA activities. Reviewers suggest the work, which will occur entirely on BLM property, would not provide benefits in the mainstem; however, significant results could be realized in Courtney Creek. Reviewers suggest that this work could be implemented/coordinated through Project 199202601. The NMFS indicated that they would like to see an attempt to evaluate the effectiveness of these activities relative to the abundance/status of fish populations. This project may address RPA 400.	RA

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27011	Lookingglass Creek land purchase for watershed protection (spawning and rearing habitat continuity and water quality at Lookingglass Hatchery).	Confederated Tribes of the Umatilla Indian Reservation	Grande Ronde	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	N	Y	A	Y	This project is consistent with RPAs 150 and 400. This proposal will allow for the protection and enhancement of property that is contributing sediment to the system which is inhabited by bull trout, steelhead and chinook. Based on their experience with the landowner, the sponsors indicate that if the property is not purchased by a fish and wildlife manager, the property will be available for purchase by others. The existing conditions have resulted in a 303d listing. The reviewers expressed concern because sponsors did not indicate intentions relative to habitat rehabilitation and that there has been a lack of coordination with local managers. The Wildlife Committee rated the project as having significant wildlife benefits using the criteria of permanence, size, connectivity to other habitat, and juxtaposition to public lands.	HP
27012	Restore and Enhance Grande Ronde Valley Deciduous Riparian Habitat	Oregon Department Fish and Wildlife	Grande Ronde	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	This project addresses RPAs 150 and 400. Reviewers questioned why the proposed work was not added to Project 198402500. By combining the proposed work with Project 198402500, a potential cost savings could be realized. The reviewers suggest that the proposal does not illustrate coordination with other entities and other on-going work. In addition, NMFS questions how the restoration efforts will affect the status of fish populations. The reviewers suggest the sponsors consider alternative funding options (e.g., OWEB and the Grand Ronde Model Watershed Program). The Wildlife Committee rated the project as having significant wildlife benefits using the criteria of permanence, size, connectivity to other habitat, and juxtaposition to public lands.	RA
27013	Grande Ronde River Stream Restoration - La Grande, Oregon	Union County and Union Soil and Water Conservation District	Grande Ronde	Y	N	Y	N	N	Y	Y	N	Y	N	N	Y	Y	N	Y	A	Y	The proposed work will allow for the stabilization of a stream bed that will subsequently prevent a bridge from collapsing. The reviewers expressed a concern that there was no mention of arrangements with the landowners to allow for continued protection. The managers suggest the proposed work, which is not designed as a fish and wildlife project, would not remedy the problems of the cause. The trajectory of the fish population would not benefit from the project. This project addresses RPAs 400 and 500.	RA	
27018	Oregon Plan Blue Mountain	Oregon Department of	Grande Ronde	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	A	A	This project addresses RPA 149. The NMFS identified a lack of biological monitoring.	HP

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	Province Fish Screening/Fish Passage.	Fish and Wildlife																							
27019	Adult Salmon Abundance Monitoring	Nez Perce Tribe/Pacific Northwest National Laboratory	Grande Ronde	Y	Y	Y	N	N	Y	Y	Y	Y	N	N	N	N	Y	N	The sponsors suggest estimation of spawning escapement based on redd counts are biased and provide imprecise approximations of true escapement (abundance). The sponsors indicated that the hypothesis is based on PATH and other literature that have reviewed the limitations of redd count accuracy and redd count expansion methods to estimate abundance. The inaccuracy in an abundance estimate is also reflected in other parameters (growth rate, smolt to adult ratios, recruits per spawner, adult to adult returns, etc). The NMFS (2000) Biological Opinion, Viable Salmonid Population paper and other conservation literature call for performance standards at the population level to be evaluated in terms of abundance and call for more accurate counts of adult abundance. The current project is designed to provide adult salmon abundance information. There is concern about the impacts of the fish counting station on adult migrations; however, the reviewers agree that developing a non-invasive, passive monitoring technique for monitoring adult salmon escapements is a high priority. This project addresses RPA 180. Discussion and coordination with co-managers will continue on the final plans for validation monitoring in the Minam River, monitoring and evaluation, and risk management.	HP					
27020	Grande Ronde Subbasin Water Right Acquisition Program	Oregon Water Trust	Grande Ronde	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	This project addresses RPA 150. The sponsor suggests that 3 cfs would be secured through the work. The reviewers indicate that the 3 cfs is significant if it occurs in a small to moderate-sized stream; however, 3cfs is not a critical limiting factor throughout most of the subbasin. NMFS needs to assess biological impact on fish (see ISRP responses).	RA					
27022	Wallowa County Culvert Inventory	Nez Perce Tribal Fisheries/Watershed Program	Grande Ronde	Y	Y	Y	N	N	N	N	Y	Y	Y	Y	Y	Y	N	A	This effort may be best addressed during the subbasin assessment effort. The proponent should verify with ODFW and ODOT whether 1998 inventories are available for Wallowa County. Any cost savings achieved by using existing inventories should be applied to implementing corrective actions. This project addresses RPA 154.	HP					

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27023	Precious Lands Wildlife Habitat Expansion	Nez Perce Tribe	Grande Ronde	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Proposal addresses RPA 150 and 153. Reviewers believe the acquisition of parcels and the development of assessments will likely take at least one year and thus question whether implementation could be initiated during the first year. Although there are no cost-shares identified in the proposal, the sponsors indicate that they are working with TPL to develop cost-shares. Not all parcels that should/could be purchased have been identified. The Wildlife Committee rated the project as having significant wildlife benefits using the criteria of permanence, size, connectivity to other habitat, and juxtaposition to public lands. This project is an expansion of Project Number 199608000. If funded, the additional objectives presented in this proposal would likely be brought under the existing project.	RA

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27024*	Life history strategies in <i>Oncorhynchus mykiss</i> : interactions between anadromous and resident forms.	Oregon Department of Fish and Wildlife	Grande Ronde	Y	Y	Y	N	N	Y	Y	Y	Y	N	N	Y	Y	Y	N	A	<p>This project addresses RPA 184.</p> <p>This proposal evaluates the potential for using local stocks of resident rainbow trout to supplement steelhead broodstock at NE Oregon Hatcheries. The RFC suggests the study design, methods, and data analysis for each objective in the proposed project need to be strengthened. <u>For Objective 1</u>, more detail is needed to describe the study design, methods and data analyses. For example: What conditions will mimic a steelhead smolt program? What times and locations will the author sample? What morphological and physical characteristics will be measured to assess smolt development? What kind of data analysis will be conducted (e.g. ANOVA, MANOVA, Chi-square goodness of fit)? Perhaps citations may be needed to demonstrate the strategies and techniques involved. The objectives are clearly defined, but there is little reference to how the tasks will be measured.</p> <p><u>Objective 2</u> focuses on examining the relative proportions of known-origin anadromous and resident <i>O. mykiss</i> and unknown-origin juveniles that are produced by anadromous and resident forms. The RFC applauds the use of otolith microchemistry analyses to identify life history strategies and determine maternal origin and encourages the sponsor to summarize the microchemistry pilot work to strengthen the argument that otolith microchemistry would be a useful tool to address the objective. Again, the author should better define the study design, methods and data analysis in the tasks to strengthen the proposed objective. The approach is conceptually an excellent idea; however, more detail is needed to demonstrate the best use of the techniques and principles to address the objective.</p>	RA



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				1	2	3	4	5	6	7	8	1	2	3	4	5	6	7										
198402500	Grande Ronde Basin Fish Habitat Enhancement Project	Oregon Department of Fish and Wildlife	Grande Ronde	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Project may address RPA 153 and 400. The reviewers questioned the lack of data analysis. The sponsors indicated the they have only had time/funding to collect, error check and store the majority of the data. Statements of Work and Budgets dating back to the early 1990's routinely included statements such as "These (M&E) tasks will be accomplished only if adequate time and funds are provided by BPA." Additional correspondence over the years with BPA contracting officers clearly indicated that monitoring and evaluation were a distant third in priority behind O&M and Implementation. The sponsors indicated that a more thorough and preferably independent evaluation of the program is worthwhile; however, Oregon State law prevents the sponsors from making requests for new funds, or increase existing program funds without legislative approval. As a result, the sponsors have proposed to reallocate personnel funds in the proposed 2002 budget by shifting funds that would normally be dedicated to administrative activities such as program supervision and clerical assistance to allow for the development of a contract to compile, review, analyze and publish the results of their habitat restoration efforts. The sponsors have initiated efforts to identify an individual to perform the analysis. Reviewers indicated that in FY2000 project sponsors agreed to that any new work would go through the Grande Ronde Model Watershed Program rather than directly through BPA. Potential cost savings if implementation activities are processed through the GRMWP.	HP

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198805301	Northeast Oregon Hatchery Master Plan	Nez Perce Tribe	Grande Ronde	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	The sponsors indicated that the M&E plan is still in development (will be completed in the third step of the Three-Step process). This project is considered BASE by NMFS. <u>The objectives</u> described in the 2002 proposal are for planning, not specifically for HGMP. If the Step process recommends proceeding to the next step the funds to develop HGMP or Master Plans further (which involve much of the same information) would proceed. This differs from the ongoing LSRCP tasks or responsibilities, which deal with existing production programs and NEOH deals with modified or expanded steelhead production that would require a new/different HGMP.	HP
198805305	Northeast Oregon Hatcheries Planning (ODFW)	Oregon Department of Fish and Wildlife	Grande Ronde	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	M&E plan still in development (will be completed in the third step of the Three-Step process). This project is considered BASE by NMFS.	HP
199202601	Implement the Grande Ronde Model Watershed Program Administration and Habitat Restoration Projects	Grande Ronde Model Watershed Program	Grande Ronde	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	In an attempt to show that the money spent on habitat work has led to a positive fish population response, monitoring of fish population status/response is performed through 199202604. This project addresses RPA 400.	HP

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199202604*	Investigate Life History of Spring Chinook Salmon and Summer Steelhead in the Grande Ronde River Basin and Monitor Salmonid Populations and Habitat	Oregon Department of Fish and Wildlife	Grande Ronde	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	A	This ongoing project addresses RPA 180 and 184. A significant new addition to this project involves EMAPing tasks under Objective 12. This new objective should be implemented as part of a comprehensive regional monitoring plan. Discussion of this monitoring plan is ongoing and coordination continuing with co-managers on the development of protocols for biological and habitat monitoring. The Wallowa Lake component has been resubmitted as a stand-alone project.	HP	
27026*	Investigate Life History of Spring Chinook Salmon and Summer Steelhead in the Grande Ronde River Basin and Monitor Salmonid Populations and Habitat	Oregon Department of Fish and Wildlife	Grande Ronde	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	N	Y	Y	N	A		HP		
199403900	Watershed Restoration Planner	Nez Perce Tribe	Grande Ronde	Y	Y	Y	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	N	N	A	A	This project addresses RPA 152. Although M&E does not exist in this proposal, M&E activities are performed through individual projects. Reviewers suggest that this project could possibly be combined with 199202601.	HP
199405400*	Characterize the Migratory Patterns, Population Structure, Food Habits, Abundance of Bull Trout from	Oregon Department of Fish and Wildlife	Grande Ronde	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	N	A	A	Reviewers question when this project will sunset. The EMAP objective has been removed from this proposal (budget reflects action). The RFC indicates that the proposal does not provide a review of all the diet studies conducted for bull trout in anadromous and non-anadromous waters within the Blue Mountain Province. The RFC proposes that revisions of the proposal should include a more thorough review of previous	HP	



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199702500	Implement The Wallowa County/Nez Perce Tribe Salmon Habitat Recovery Plan	Nez Perce Tribe	Grande Ronde	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	This project addresses RPA 400. The NMFS expressed concern about the lack of biological monitoring activities to address fish population responses to habitat activities. Although there is a desire to have biological, fish related, monitoring variables to measure the impact of habitat improvements, it is very difficult to develop a statistical based sampling design that is able to accomplish that.	HP
199800702	Grande Ronde Supplementati on: Lostine River O&M and M&E	Nez Perce Tribe	Grande Ronde	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	A	This project is considered BASE by NMFS.	HP
199800703*	Facility O&M And Program M&E For Grande Ronde Spring Chinook Salmon and Summer Steelhead	Confederated Tribes of the Umatilla Indian Reservation	Grande Ronde	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	N	A	This project is considered BASE by NMFS. Some reviewers expressed concerns regarding handling and weir effects and suggested the steelhead trapping aspect of the proposal is not urgent work. A new budget has been submitted that does not include additional weirs. The new budget numbers have not been entered into this table.	HP
199800704	Northeast Oregon Hatcheries Implementation (ODFW)	Oregon Department of Fish and Wildlife	Grande Ronde	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	A	M&E is performed through LSRCP. This project is considered BASE by NMFS.	HP
199801001	Grande Ronde Basin Spring Chinook Captive Broodstock Program	Oregon Department of Fish and Wildlife	Grande Ronde	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	A	This project is considered BASE by NMFS.	HP
199801006	Captive Broodstock Artificial Propagation	Nez Perce Tribe Department of Fisheries Resources Management	Grande Ronde	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	A	This project is considered BASE by NMFS.	HP



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27021	Adult Steelhead Status Monitoring – Imnaha River Subbasin	Nez Perce Tribe	Imnaha	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	N	Y	Y	N	A	This project addresses RPA 179 and 180. This proposal addresses a need for improved adult escapement; however, the reviewers suggest the level of detail that is provided may exceed what is necessary for making critical management decisions and deterring population/recovery status. The reviewers suggest the work could be “scaled back” yet still provide adequate population data. Although the sponsors suggested the work will provide information where data gaps (especially as related to 174 and 184) exist, the reviewers suggested an urgent issue would not be addressed. The proposed work would provide more accuracy to the current approach and provide information for recovery efforts.	HP	
199701501	Imnaha Smolt Survival and Smolt to Adult Return Rate Quantification	Nez Perce Tribe Department of Fisheries Resources Management	Imnaha	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	A	Y	Y	Y	N	A	This project addresses RPA 184, 185 and 189.	HP
27010	Snake River Hells Canyon Tributary Enhancements	Idaho Department of Fish and Game	Snake Hells Canyon	Y	N	Y	N	N	N	N	Y	Y	N	N	Y	N	N	Y	A	This project addresses 400. Reviewers indicate that there are watershed assessments completed for some of the areas. Although an objective/strategy exists for FY02, there is a lack of specific details regarding implementation. In addition, the objectives are not clearly stated for the out-years. The reviewers note that the proposal was insufficient, but believe the concept is an RA.	RA	
27015	Develop Long-Term Management Plan for Snake River (Hells Canyon Reach) White Sturgeon	Idaho Department of Fish and Game and Idaho Office of Species Conservation	Snake Hells Canyon	N	Y	Y	N	N	N	N	Y	Y	N	N	Y	Y	Y	N	A	Because the reviewers are unfamiliar with the model and the fact that there were no responses to the ISRP, the reviewers question whether the model is valid/appropriate for the plan. This work needs to be coordinated with ODFW and the NPT. The RFC suggests the proposed work could complement management actions and should be performed jointly with Project 199700900 (potential cost savings).	RA	

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				T1	T2	T3	T4	T5	T6	T7	T8	M1	M2	M3	M4	M5	M6	M7			
27016	Evaluate the effects of hyporheic discharge on egg pocket water temperature in Snake River fall chinook salmon spawning areas	Pacific Northwest National Laboratory	Snake Hells Canyon	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	N	The overall objective of this project is to evaluate the potential for improving juvenile Snake River fall chinook salmon survival by modifying the discharge operations of Hells Canyon Dam. The potential for improved survival would be gained by increasing the rate at which early life history events proceed (i.e., incubation and emergence), thereby allowing smolts to migrate through downstream reservoirs during early- to mid-summer when river conditions are more favorable for survival. This proposal is in response to an ISAB report in which they asked for alternatives that could be affecting migration timing. Reviewers expressed concern about the potential benefits from this project because realized benefits will be dependent on Idaho Power (would assist in the funding of this proposed work) agreement to adjust the flows. The reviewers acknowledge that the proposal is well written by a respected researcher; however, the proposal may be more suitable for consideration through the Innovative Project process.	RA
199700900	Evaluate Potential Means of Rebuilding Sturgeon Populations in the Snake River Between Lower Granite and Hells Canyon Dams	Nez Perce Tribe	Snake Hells Canyon	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	The development of a management plan will follow the completion of field activities in 2002. Reviewers question whether the harvest value is correct. The RFC suggests the timeframes in out years look long. In addition, a closer working relationship needs to be developed with IDFG, either by including a subcontract for their participation in analyzing and interpreting data or by a separate contract as in proposal 27015. The RFC expressed concerns that there may be opportunities for simultaneous work that are not mentioned. The harvest goal in the proposal is a NPT goal and is not shared by IDFG. A working group that monitors this project's progress should be formed (IDFG, ODFW, NPT, IPC). Or they may be able to cooperate with the IPC WSTAC. The BRAT Review identified catch and release fishing in the Hells Canyon reach as one of the major potential limiting factors for sturgeon here. Future proposals should clarify why this is not being investigated. USGS has put forth proposals to investigate these fishery affects, and this is the reach that seems most appropriate for the investigation. Food availability was also listed in the BRAT review as a potential limiting factor. Bioenergetics work to describe	HP



Project ID	Title	Sponsor	Subbasin	Technical Criteria								Management Criteria							Project Review Comments	CBFWA Category	
				T1	T2	T3	T4	T5	T6	T7	T8	M1	M2	M3	M4	M5	M6	M7			
																				available resources compared to those needed for sturgeon production seems appropriate but is not being pursued. While comments from the ISRP are probably valid given they have no contact with the project proponents, the RFC has confidence in the described methods and analyses.	
199801003	Spawning distribution of Snake River fall chinook salmon	U.S. Fish and Wildlife Service	Snake Hells Canyon	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	N	A	This project addresses RPA 184.	HP
199801004	Monitor and Evaluate Yearling Snake River Fall Chinook Released Upstream Of Lower Granite Dam	Nez Perce Tribe	Snake Hells Canyon	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	N	A	This project addresses RPA 184.	HP
199801005	Pittsburg Landing (199801005), Capt. John Rapids (199801007), Big Canyon (199801008) Fall Chinook Acclimation Facilities	Nez Perce Tribe	Snake Hells Canyon	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	A	Monitoring is performed through Project 199801003 and 199801004. This project is considered BASE by NMFS.	HP

\*Revised budget submitted as part of response to ISRP

**Appendix B. - The CFWA 3-Year Project Recommendations for the Blue Mountain Province.**

Project ID	Title	Sponsor	Subbasin	Total of 2002	Total Of 2003	Total Of 2004
<b>ASOTIN</b>						
27001	Asotin County Riparian Buffer and Couse and Tenmile Creeks Protection and Implementation Project	Asotin County Conservation District	Asotin	\$294,200.00	\$294,200.00	\$294,200.00
27002	Assess Salmonids in the Asotin Creek Watershed	Washington Department of Fish and Wildlife	Asotin	\$316,885.00	\$228,600.00	\$230,430.00
27009	SSHAP - Blue Mountain Province	Washington Department of Fish and Wildlife	Asotin	\$200,000.00	\$30,000.00	\$30,000.00
27014	Protect and Restore the Asotin Creek Watershed	Nez Perce Tribal Fisheries Watershed Program	Asotin	\$121,000.00	\$124,600.00	\$128,400.00
27025	Acquire South Fork Asotin Creek Property	Rocky Mountain Elk Foundation	Asotin	\$3,489,500.00	\$47,000.00	\$23,000.00
199401805	Continued Coordination and Implementation of Asotin Creek Watershed Projects	Asotin County Conservation District	Asotin	\$297,285.00	\$346,000.00	\$347,000.00
				\$4,718,870.00	\$1,070,400.00	\$1,053,030.00
<b>GRANDE RONDE</b>						
27003	Characterize and Assess Wildlife-Habitat Types and Structural Conditions for Subbasins within the Blue Mountain Province	Northwest Habitat Institute	Grande Ronde	\$201,175.00	\$110,970.00	
27007	<i>*Merged with Mountain Snake project 28005</i>		Grande Ronde			
27008	Grande Ronde River Riparian Restoration	Department of the Interior, Bureau of Land Management, Vale District Office, Baker Field Office	Grande Ronde	\$307,730.00	\$242,645.00	\$217,645.00
27011	Lookingglass Creek land purchase for watershed protection (spawning and rearing habitat continuity and water quality at Lookingglass Hatchery).	Confederated Tribes of the Umatilla Indian Reservation	Grande Ronde	\$2,263,400.00	\$5,500.00	\$5,500.00

<b>27012</b>	Restore and Enhance Grande Ronde Valley Deciduous Riparian Habitat	Oregon Department Fish and Wildlife	Grande Ronde	\$156,000.00	\$167,000.00	\$228,000.00
<b>27013</b>	Grande Ronde River Stream Restoration - La Grande, Oregon	Union County and Union Soil and Water Conservation District	Grande Ronde	\$816,080.00	\$5,000.00	\$20,000.00
<b>27018</b>	Oregon Plan Blue Mountain Province Fish Screening/Fish Passage.	Oregon Department of Fish and Wildlife	Grande Ronde	\$153,314.00		
<b>27019</b>	Adult Salmon Abundance Monitoring	Nez Perce Tribe/Pacific Northwest National Laboratory	Grande Ronde	\$531,182.00	\$630,024.00	\$527,007.00
<b>27020</b>	Grande Ronde Subbasin Water Right Acquisition Program	Oregon Water Trust	Grande Ronde	\$62,620.00	\$68,429.00	\$74,273.00
<b>27022</b>	Wallowa County Culvert Inventory	Nez Perce Tribal Fisheries/Watershed Program	Grande Ronde	\$170,603.00	\$184,398.00	\$193,618.00
<b>27023</b>	Precious Lands Wildlife Habitat Expansion	Nez Perce Tribe	Grande Ronde	\$3,373,974.00	\$3,377,500.00	\$3,400,000.00
<b>27024*</b>	Life history strategies in Oncorhynchus mykiss: interactions between anadromous and resident forms.	Oregon Department of Fish and Wildlife	Grande Ronde	\$237,474.00	\$217,906.00	\$228,802.00
<b>198402500</b>	GRANDE RONDE BASIN FISH HABITAT ENHANCEMENT PROJECT	OREGON DEPARTMENT OF FISH AND WILDLIFE	Grande Ronde	\$456,416.00	\$479,236.00	\$503,198.00
<b>198805301</b>	Northeast Oregon Hatchery Master Plan	Nez Perce Tribe	Grande Ronde	\$2,714,740.00	\$9,525,000.00	\$11,993,000.00
<b>198805305</b>	Northeast Oregon Hatcheries Planning (ODFW)	Oregon Department of Fish and Wildlife	Grande Ronde	\$79,376.00	\$82,683.00	\$86,128.00
<b>199202601</b>	Implement the Grande Ronde Model Watershed Program Administration and Habitat Restoration Projects	Grande Ronde Model Watershed Program	Grande Ronde	\$1,376,000.00	\$1,780,000.00	\$1,932,000.00
<b>199202604*</b>	Investigate Life History of Spring Chinook Salmon and Summer Steelhead in the Grande Ronde River Basin and Monitor Salmonid Populations and Habitat	Oregon Department of Fish and Wildlife	Grande Ronde	\$1,382,766.00	\$1,401,173.00	\$1,464,482.00
<b>27026*</b>	Investigate Life History of Spring Chinook Salmon and Summer Steelhead in the Grande Ronde River Basin and Monitor Salmonid Populations and Habitat	Oregon Department of Fish and Wildlife	Grande Ronde	\$132,444.00	\$133,067.00	\$146,020.00
<b>199403900</b>	Watershed Restoration Planner	Nez Perce Tribe	Grande Ronde	\$64,289.00	\$67,503.00	\$70,878.00

<b>199405400*</b>	Characterize the Migratory Patterns, Population Structure, Food Habits, Abundance of Bull Trout from Subbasins in the Blue Mountain Province.	Oregon Department of Fish and Wildlife	Grande Ronde	\$402,611.00	\$495,674.00	\$481,968.00
<b>199608000</b>	NE Oregon Wildlife Mitigation Project -- "Precious Lands"	Nez Perce Tribe	Grande Ronde	\$439,803.00	\$414,100.00	\$426,000.00
<b>199608300</b>	CTUIR Grande Ronde Subbasin Restoration	Confederated Tribes Umatilla Indian Reservation	Grande Ronde	\$200,000.00	\$195,000.00	\$190,000.00
<b>199702500</b>	Implement The Wallowa County/Nez Perce Tribe Salmon Habitat Recovery Plan	Nez Perce Tribe	Grande Ronde	\$45,675.00	\$43,175.00	\$43,175.00
<b>199800702</b>	Grande Ronde Supplementation: Lostine River O&M and M&E	Nez Perce Tribe	Grande Ronde	\$609,302.00	\$637,536.00	\$655,833.00
<b>199800703*</b>	Facility O&M And Program M&E For Grande Ronde Spring Chinook Salmon and Summer Steelhead	Confederated Tribes of the Umatilla Indian Reservation	Grande Ronde	\$763,398.00	\$816,836.00	\$874,015.00
<b>199800704</b>	Northeast Oregon Hatcheries Implementation (ODFW)	Oregon Department of Fish and Wildlife	Grande Ronde	\$206,048.00	\$209,215.00	\$217,934.00
<b>199801001</b>	Grande Ronde Basin Spring Chinook Captive Broodstock Program	Oregon Department of Fish and Wildlife	Grande Ronde	\$739,096.00	\$776,047.00	\$814,851.00
<b>199801006</b>	Captive Broodstock Artificial Propagation	Nez Perce Tribe Department of Fisheries Resources Management	Grande Ronde	\$170,177.00	\$175,282.00	\$180,541.00
<b>200002100</b>	Securing Wildlife Mitigation Sites - Oregon, Ladd Marsh WMA Additions	Oregon Department of Fish and Wildlife	Grande Ronde	\$193,185.00	\$374,500.00	\$91,000.00
				\$18,248,878.00	\$22,615,399.00	\$24,919,868
<b>IMNAHA</b>						
<b>27017</b>	Bull trout population assessment and life history characteristics in association with habitat quality and land use: template for recovery planning.	Utah Cooperative Fish and Wildlife Research Unit, USGS	Imnaha	\$469,792.00	\$269,888.00	\$269,888.00
<b>27021</b>	Adult Steelhead Status Monitoring - Imnaha River Subbasin	Nez Perce Tribe	Imnaha	\$1,055,449.00	\$767,298.00	\$741,804.00
<b>199701501</b>	Imnaha Smolt Survival and Smolt to Adult Return Rate Quantification	Nez Perce Tribe Department of Fisheries Resources Management	Imnaha	\$466,802.00	\$1,308,590.00	\$558,866.00
				\$1,992,043.00	\$2,345,776.00	\$1,570,558.00

<b>SNAKE HELLS CANYON</b>							
<b>27010</b>	Snake River Hells Canyon Tributary Enhancements	Idaho Department of Fish and Game	Snake Hells Canyon	\$101,000.00	\$906,000.00	\$1,041,000.00	
<b>27015</b>	Develop Long-Term Management Plan for Snake River (Hells Canyon Reach) White Sturgeon	Idaho Department of Fish and Game and Idaho Office of Species Conservation	Snake Hells Canyon	\$116,500.00	\$45,000.00		
<b>27016</b>	Evaluate the effects of hyporheic discharge on egg pocket water temperature in Snake River fall chinook salmon spawning areas	Pacific Northwest National Laboratory	Snake Hells Canyon	\$154,136.00	\$256,393.00	\$281,247.00	
<b>199700900</b>	Evaluate Potential Means of Rebuilding Sturgeon Populations in the Snake River Between Lower Granite and Hells Canyon Dams	Nez Perce Tribe	Snake Hells Canyon	\$290,510.00	\$275,000.00	\$500,000.00	
<b>199801003</b>	Spawning distribution of Snake River fall chinook salmon	U.S. Fish and Wildlife Service	Snake Hells Canyon	\$174,162.00	\$130,900.00	\$130,900.00	
<b>199801004</b>	Monitor and Evaluate Yearling Snake River Fall Chinook Released Upstream Of Lower Granite Dam	Nez Perce Tribe	Snake Hells Canyon	\$330,241.00	\$340,148.00	\$350,352.00	
<b>199801005</b>	Pittsburg Landing (199801005), Capt. John Rapids (199801007), Big Canyon (199801008) Fall Chinook Acclimation Facilities	Nez Perce Tribe	Snake Hells Canyon	\$722,000.00	\$752,000.00	\$772,000.00	
<b>*Revised budget submitted as part of response to ISRP</b>				\$1,888,549.00	\$2,705,441.00	\$3,075,499.00	
				TOTAL	\$26,848,340.00	\$28,737,016.00	\$30,618,935.00