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July 6, 2004

## DECISION MEMORANDUM

**TO:** Council Members

**FROM:** Patty O'Toole, Program Implementation Manager  
John Shurts, General Counsel

**SUBJECT:** Fiscal Year 2005 Fish and Wildlife Program project recommendations/

Issues for FY06 and beyond: the future of project review following the adoption of subbasin plans

### Introduction

The agenda for the July Council meeting in Spokane includes the Council deciding what recommendations to make to Bonneville for the projects to be funded in Fiscal Year 2005 to implement the Council's *Columbia River Basin Fish and Wildlife Program*. This first two sections of this memorandum contain the staff's recommendation for the FY05 projects and start-of-year planning budget and a discussion and proposed resolution of a number of policy issues underlying this set of project recommendations and budget.

The staff has been discussing the FY05 projects, budgets and issues with the Fish and Wildlife Committee for some time, and will obtain the Fish and Wildlife Committee's formal recommendation before the Council considers this agenda item for final decision. Once the Council makes its decision on the FY05 project recommendations, the staff intends to transform the first two sections of this memorandum into the Council's decision document -- changing the staff's recommendations into the Council's recommendations -- with whatever modifications are made in those recommendations by the Committee and then the Council.

We have discussed the recommendations in this memorandum with others on the central staff and with state staff. These recommendations reflect, for the most part, a general consensus

among the staff, although we alone are responsible for the particular way in which they have been written up.

How the Council reviews projects and makes funding recommendations should change significantly again in the years after FY05, as the Council adopts subbasin plans into the program. There are issues the Council, staff, Bonneville and others should be considering and working on now to make the transition work in FY06 and beyond. The third section of this memorandum outlines these issues and suggests a possible or strawman approach to project review. The staff is *not* asking the Council to make a decision at this meeting on the future project review process, just to begin the discussion. It is important to understand the relationship between the issues involved in putting together start-of-year projects and budget in FY05 and what we need to be working on during FY05 to be ready for the transition.

## **I. Recommended projects and start-of-year budget for FY05 -- and basic organizing principle**

Attached to this memorandum is a set of tables listing the projects by province that the staff recommends to the Council for funding by Bonneville for program implementation in FY05. The central principle the staff has used to arrive at this set of projects has been to remain consistent with the multi-year project recommendations that the Council developed during the provincial review a few years ago. The staff has discussed this approach with the Committee and Council over the past few meetings, and received informal guidance back that this was the appropriate approach. The Council, Bonneville and CBFWA staffs have worked hard over the last months to identify an appropriate set of projects for FY05 to reflect the provincial review recommendations as evolved to this year, as well as reasonable cost estimates for performing the scopes of work recommended by the Council for these projects in the provincial review.

Basing the FY05 project recommendations on the Council's provincial review recommendations makes obvious legal, policy and practical sense. The Council organized and carried through the provincial review process and subsequent multi-year project recommendations for precisely this reason. It was in this provincial review process that the projects proposed for Bonneville funding last received, as planned, the full review by the Independent Scientific Review Panel, the public and the Council required by Section 4(h)(10)(D) of the Northwest Power Act. These reviews and the basic set of resulting project recommendations were intended to remain valid for the next few years as the Council, the ISRP and others involved in project review focused on subbasin planning and on adopting the subbasin plans into the program. Moreover, the staff is confident that the provincial review recommendations, as reflected in the FY05 package of projects recommended here and with some refinements reflecting expected events of the intervening years, remain a solid, reasonable collection of scientifically sound actions to benefit the key fish and wildlife species in the basin affected by the hydrosystem, as is required by the Power Act and the program. To deviate significantly from the provincial review recommendations in developing the FY05 recommendations would have required, under Section 4(h)(10)(D), re-initiating the ISRP and other review of proposed projects, something the Council, the ISRP and others are not prepared to do until FY06, with the conclusion of subbasin planning.

Recommending this particular set of projects with this start-of-year budget raises or requires resolution of a number of issues, however. Most of these issues have to do with management of the program and the budget (and little to do with the substance of the projects or with fish and wildlife response), including the obvious fact that the recommended start-of-year planning budget is not the same as Bonneville's end-of-year accrual target. The next section of this memorandum will outline these issues and how the staff has proposed to address or resolve the issues in reaching the project and start-of-year budget recommendations attached here.

Most important in this regard, the staff recommends that project sponsors and others be on notice that the project funding recommendations in FY06 and beyond will *not* simply continue the provincial review recommendations. That might be what happens for any particular project, but there are no guarantees. As the Council and others begin to factor the adopted subbasin plans into project definition, review and recommendations, all matters relating to a start-of-year project

list and budget will be open to review and reconsideration, including projects, tasks, priorities, budgets, and the like. *See* the discussion in the third section of this memorandum.

**NOTE:** This memorandum necessarily focuses on a set of difficult policy issues that the Council, Bonneville and others have been working on for some time, including a few significant policy differences between the Council and Bonneville. It is important for a number of legal, policy and public awareness reasons to explain and document what these issues are and how and why the staff (and eventually the Council) would address and resolve the issues in arriving at recommended projects and a start-of-year budget. But in focusing on the broader policy differences with Bonneville, the staff does not want to lose sight of the fact that we have had an excellent working relationship with the fish and wildlife staff at Bonneville (and the project sponsors and CBFWA staff) in putting together this list of projects and project costs to reflect the original provincial review recommendations and in discussing the overarching policy issues. The staff at Bonneville have given generously of their time and resources in a genuinely collegial fashion, and the focus on policy differences here is not meant to minimize in any way our appreciation of the cooperation.

## **II. Issues involved in developing the recommended set of projects and start-of-year planning budget for FY05**

**1. The recommended planning budget for expense is not the same as Bonneville's accrual target for FY05.** The projects recommended by staff for expense funding in FY05 total \$145 million, on a start-of-year planning basis. Bonneville representatives have said that the end-of-year target for accrual expenditures in FY05 is approximately \$131 million, plus whatever can be carried over from FY04 if actual spending in that fiscal year is less than the accrual target for that year. Bonneville has suggested that the planning budget itself be reduced to \$131 million, in order to ensure that the average annual program spending for this rate period not exceed \$139 million. *See* the letter of May 6, 2004 from Scott Hampton, Bonneville, to Project Sponsors.

The staff recommends not cutting projects or reducing budgets at this time, and recommends instead sticking with these projects out of the provincial review and the start-of-year obligations budget associated with them. This is obviously the biggest issue in the list of FY05 issues, and so is addressed first. However, many of the issues discussed below inform how the staff has understood and addressed this larger issue, and the Council should understand the links as well.

The staff has a number of related reasons for its recommendation: First, for the legal, policy and practical reasons noted above, the Council must remain as consistent with the provincial review recommendations as possible. That is what these project recommendations reflect. To start cutting project tasks and projects, or the project budgets that allow these tasks to be funded at an appropriate if straightened level, would be to fund projects and a program significantly different than what the ISRP and the Council saw as appropriate, technically sound, consistent with the priorities in the program, and of benefit to fish and wildlife. The Council has seen nothing to indicate that these projects, on the whole, are no longer technically sound or of benefit to fish and wildlife. If the Council had near-certain information that implementation of these projects would in fact significantly overshoot Bonneville's end-of-year accrual targets, the issue of whether to cut projects or budgets at least would be squarely presented. But we are not at that point yet, nor is it obvious that cutting the projects would be the only solution to that dilemma.

Second, the planning budget to which these recommended projects total -- \$145 million -- is well under the annual average planning target of \$150 million in expense funding committed to by the Bonneville administrator in his letter of December 2000 for the rate period through FY06. The Council designed the original provincial review recommendations to fit within the planning budget commitment in that letter, and continues to believe this is the appropriate target for the Council to plan toward. Bonneville notes that the controlling commitment in the same and later letters was to average an annual accrual amount of \$139 million across the rate period. The Council is committed to that target as well, and will remain vigilant in assessing the Fish and Wildlife budget for potential rate impacts. But the administrator's letter did not privilege the accrual target over the planning target, instead assuming that meeting the accrual target in any particular year or over the five years of the rate period would be derived from or as a result of starting with a planning budget of the higher amount. Most important, the Council designed the original provincial review recommendations on this basis, and experience has shown that as far as the basic program is concerned, the approach works.

Third and perhaps most important, the staff has no reason at this time to believe the projects recommended here for contracting in FY05 cannot be implemented without violating the accrual target at the end of FY05. Experience in the past couple of years has indicated that it is impossible at this stage of the year to know how much will actually be spent in FY04, let alone FY05, except that it likely the amounts spent will be less than the planning budgets. It is just as likely as not that the accrual impact in FY05 of the projects recommended here for obligation in FY05, when combined with what additional may be available out of FY04, will not exceed the accrual target for the year. This becomes even more likely if Bonneville engages in close monitoring of program spending throughout the year, combined with budget management methods to slow spending if and when needed. There seems no reason to deviate from the provincial review recommendations and begin trimming projects and reducing budgets to deal with an exceedence in accruals that may never exist. At the very least, the Council should contemplate agreeing to additional prioritization of the proposed work, or to a plan to reduce or slow spending, only if and when it becomes clear that the risk of spending over an average of \$139 million per year for rate period is near certain. We are not there yet.

What we are witnessing is the continued difficulty of combining a Council planning exercise to develop a start-of-year set of projects and budgets to recommend on a contract/obligations basis with Bonneville budget management geared toward end-of-year accruals. The problem is confounded as costs have come into the program in general or in particular fiscal years that were not anticipated during the provincial reviews or simply cannot be anticipated fairly and reasonably. (These costs include significant increases in the Bonneville internal program support, the impact of hangover bills from previous years, uncertainties in the pace of spending, and changes in the rules for access to capital. These issues are discussed below.) The Council and its staff have invested a significant amount of time the last two years trying to understand and calculate well ahead of time what are reasonable accrual estimates for projects to inform its program planning, and to get from Bonneville clear and useful information on the pace of current spending and the likely pace of spending in the coming fiscal year. This effort has not been successful, and has overwhelmed staff time significantly. It is time to call a halt to that effort on the part of Council staff, and to recognize that it will not be possible to have perfect information (or even good information) on accrual estimates that far in advance, and also to recognize that (within certain bounds) it does not matter if the Council's project recommendations and planning budgets do not match the accrual targets. Differences between the two should be inherent in the nature of the two different exercises. The Council should be able to trust Bonneville to manage the program, including adjustments within year, to make sure the implementation of the Council's planning budget works within Bonneville's accrual ranges. And Bonneville should be able to trust the Council to undertake a reasonable planning effort that will afford Bonneville that opportunity without unduly limiting the program recommendations or resulting in continually under spending the accrual target. And the Council and Bonneville should be learning more each year from a succession of these efforts how best to combine the planning and management efforts around Bonneville's accrual-based budget.

If Bonneville remains convinced that the FY05 start-of-year projects and budget must be reduced to avoid any threat to the end-of-year accrual target, the staff recommends the Council welcome Bonneville to make a proposal and consult with the Council and others as to how to scrutinize this list of projects to decide how to reduce the budget and why.

**2. Implications of the delays that have occurred in the implementation of a number of the multi-year projects recommended in the provincial review.** Out of the provincial review process, the Council recommended (for most projects) three or more years of work and associated budgets. Because of delays in implementation (delays resulting for a number of reasons, such as contract difficulties, delayed decisions on review of particular projects, contract periods that do not align with and lag behind fiscal years, permit delays and the like), FY05 will be the second year for some multi-year projects, not the third or later (sustaining) years as was expected by this time. At least with regard to most of these projects, the staff has no reason to question the continued validity of the provincial review recommendations, especially as these projects represent strategies that are (or seem to be) still viable with the submission of the proposed subbasin plans. So, the staff included projects in this category within the FY05 recommendation.

To repeat from above, however, project sponsors and others should be on notice that the project funding recommendations in FY06 and beyond will not simply continue the remaining years of the provincial review recommendations. That might be what happens, but there are no guarantees. As the Council and others begin to factor the adopted subbasin plans into project definition, review and recommendations, all matters relating to a start-of-year project list and budget will be open to review and reconsideration, including projects, tasks, priorities, budgets, and the like. *See* the discussion in the third section of this memorandum.

**3. Implications of level funding.** Projects have been held to level funding for the past few years, and the staff recommends doing so again in FY05. This has been one method for squeezing into tight budgets as many projects as possible recommended from the provincial review. Project sponsors submitted many legitimate requests for budget increases, to cover the inevitable increases in salaries, healthcare costs, fuel and electricity costs, and so forth. Project sponsors have had to cover these increases by slowing or finding efficiencies in project-approved work. Unfortunately, the current budget level does not provide capacity to address these needs across the program, and we lack a consistent approach to equitably evaluate and approve cost increases to cover the most urgent shortfalls. The Council and Bonneville need to address this issue in FY06 and beyond as we implement subbasin plans, negotiate a new funding agreement, and move into a new rate period.

**4. Issues arising out of unresolved policy issues with Bonneville.** The Council and Bonneville currently differ or have some uncertainties over a number of policies affecting implementation of the budget. Some of these had or have implications for the FY05 project recommendations. What follows is a summary of each relevant issue, how the issue might affect the projects recommended and/or the budget, and an explanation as to how the staff dealt with the issue in developing the recommended project list and start-of-year budget, which is how the staff recommends the Council do the same.

**a. Capital budget -- expenditures for planning for major capital projects.** In the past, the Council and Bonneville have ordinarily treated the planning expenses for projects that will result in major capital expenditures as part of the capitalized expenditures themselves. Bonneville representatives have indicated that this may change -- that Bonneville will now understand the accounting rules that apply to the agency to require that most or all planning expenditures be expensed and not capitalized, even for major capital projects. There are at least two projects and maybe more in this category in the staff's FY05 budget package, and the implications are in the \$millions. The Council has always understood that these expenditures would and should be part of the capital budget, and developed the original provincial review recommendations on this understanding. If these projects must now become part of the expense portion of the budget, this could work a substantial hardship on the rest of an obviously tight program. (There is also the possibility that this change could also affect how expenditures are categorized in the FY04 accounting, with its own budget implications for FY05.)

The staff recommends that the Council continue to show these projects as part of the capital part of the budget for FY05, at least for the start-of-year budget. The staff continues to believe that the applicable accounting rules and other legal requirements permit, and certainly do not preclude, adding the planning expenses for major capital projects into the capitalized part of the budget for that project, at least under ordinary circumstances. And switching gears on this point for discretionary policy reasons does not seem appropriate, given how it affects the rest of the program.

The staff then recommends that Bonneville consult further with the Council if in fact the agency is seriously considering removing the use of the capital budget for these purposes and requiring that these costs be absorbed in a competing way with the rest of the expense budget in FY05. It may be, as Bonneville representatives have indicated is possible, that Bonneville will decide to treat these expenditures as part of the expense budget, but will do so in a way that does not affect the funding of other projects recommended in this coming fiscal year, recognizing that it might not be fair to encumber the program mid-stream with the new rule. The staff prefers this approach less than retaining these as capital expenditures, given the longer-term implications. But it is acceptable in the sense that it would preclude the potentially adverse impact on the rest of the FY05 projects.

Finally, the staff recommends that the Council's differences with Bonneville over the rules of access to Bonneville capital -- an on-going dispute that continues to cause significant problems with program implementation -- be one of the issues we attempt to resolve in the development of the funding Memorandum of Agreement (MOA) currently under discussion.

**b. Capital budget -- land acquisitions.** As the Council knows, projects that include the acquisition of an interest in land have largely stalled over issues relating to access to Bonneville capital. These include whether the project must cost more than \$1 million, whether a crediting mechanism must be in place first and of what type, and more. Again, the staff continues to believe that Bonneville has read the governing legal requirements and accounting rules more strictly than warranted. And for wildlife projects, the Council and Bonneville continue to differ over what is the proper crediting ratio for mitigation. All of these issues have been discussed in the Council decision documents that accompanied the project funding



recommendations in past years. Those discussions, and the Council positions, will not be repeated; the issues are still alive.

One result is that acquisition projects recommended in past fiscal years have not yet been funded. Most of these remain sound projects with obvious benefits to fish and wildlife. The staff continues to recommend these projects, and so the FY05 capital budget has accumulated a significant backlog of acquisition projects, totaling approximately \$40 million. These projects alone exceed the Bonneville \$36 million target for average annual capital expenditures for the fish and wildlife program in this rate period. This is not a problem for two reasons. First, Bonneville's capital expenditures in the past years have been significantly under the annual average target. The accumulated acquisition projects could all be funded in this fiscal year, and the program would still be below the average. Second, it is highly unlikely all the outstanding issues will be resolved in one year, and even less likely that all the backlog of projects could be implemented in one year even if the issues were removed. More likely, a few projects will shake loose and receive funding (some progress is being made on the crediting issues) in a fashion quite manageable within the current capital budget.

And again, the Council should direct staff to continue working with Bonneville to resolve the capital access rules once and for all, preferably as issues addressed in discussions aimed at a funding MOA.

**c. FCRPS responsibility.** The Council included in the provincial review recommendations a set of five projects -- mostly concerning resident fish mitigation in the Snake and its tributaries -- that Bonneville objected to funding or has placed on a low priority for funding largely on the grounds that the Federal Columbia River Power System (FCRPS) had little or no responsibility for the decline of these populations. (These projects are known as "Phase 3" projects, are the remnants of a larger low-priority list Bonneville created a few years ago.) The staff does not necessarily agree that the projects on this list are not an FCRPS responsibility. But, the FCRPS responsibility issues are substantial, and not easily or obviously resolved. As a result, none of these projects have started in on even their *first* year of the multi-year provincial review recommendation, and staff judges they are not likely to be implemented soon. Since we are planning for a transition in the next years from the provincial review recommendations to subbasin plan implementation, the staff decided not to include budgets for these projects in the recommended FY05 list, to reflect this reality. This does mean the staff agrees these projects are not an FCRPS responsibility; the Council will need to engage Bonneville further on this issue if these activities are proposed for funding again out of the subbasin plans.

**d. Bonneville internal program support.** The staff recommended FY05 projects and budget include \$11.8 million that Bonneville has said represents its internal costs for managing the program. However, the staff continues to believe charging the direct program with this level of escalation in Bonneville's internal staff costs may not be appropriate, as it represents a significant increase over the expected program support costs Bonneville had the Council incorporate into the provincial review recommendations. The staff recommends that Bonneville explore absorbing some of these costs outside the direct fish and wildlife program, and possibly address this issue in the funding MOA discussions. More important, *if* Bonneville concludes that the FY05 projects recommended by the Council out of the provincial review must be trimmed in

order to meet its accrual targets, the staff recommends that Bonneville first look to removing a certain proportion of these internal costs from counting against the direct program budget.

**e. Implications for the start-of-year planning budget of unexpected bills from prior-year obligations.** Problems with how Bonneville treats hangover bills continue to hinder our ability to plan for a reasonable start-of-year budget. As is the Bonneville practice, no money in the Bonneville fund was earmarked or obligated and carried forward from year-to-year, even informally, to match the contracted project obligations that did carry forward. The end result is that, under Bonneville's relatively new venture in accrual accounting and relatively tight accrual targets or caps, if the bills do come due in FY04 or FY05, Bonneville would count those expenditures against the accrual target amount for that year. This would affect the budget available in FY05 for on-going work either directly or indirectly by reducing the amount still available after FY04 for the average over the years.

This problem is one of the most serious in a set of on-going difficulties involved in Council and Bonneville planning for the appropriate start-of-year projects and budget obligations on a going-forward basis. The annual program will always contain a number of projects that will have either an obvious or an unintended year-to-year lag in when the bills will come due. Bonneville is trying to manage the program and its budget to meet specified end-of-year annual accrual limits, yet not take the kinds of actions (such as some form of informal matching available funds to contracted obligations) that could smooth out the different-year impact of projects on the accrual budget. The reality is that it is proving difficult or impossible to know when and what bills will come due in any specific year, and so to present an orderly planning budget.

The staff has not factored into the FY05 budget an amount to cover unexpected but possible past-year bills. The matter is too speculative at this time, even if the Council accepted the principle. More important, the staff recommends that the Council not accept the principle that the proposed set of projects for funding in any fiscal year and start-of-year project budget be disrupted by the impact of unexpected hangover bills of this type. The staff recommends that Bonneville absorb the lingering impacts that have resulted from the agency's changing of the way this budget is managed to Bonneville's version of an accrual basis. Also, the staff recommends that Bonneville put into place mechanisms to avoid this problem in the future, essentially through some sort of informal carryover of available money in the Bonneville funds to match contracted obligations, unless and until paid or deobligated. Bonneville, the Council and others should address and resolve this issue -- and all the others that flow from the relation of a planning/obligations-basis project review and recommendation exercise with an accrual-based fiscal management. At the very least, the staff recommends that Bonneville consult further with the Council before counting the payment of any such hangover bills against what may projects be contracted for in FY05.

**5. Placeholder projects.** The proposed start-of-year planning budget contains, as it always does, a number of "placeholders" -- activities that need to be and will be funded, but for which the actual scope of work and costs still need to be defined in subsequent statements of work or task orders. The Council should understand that these placeholders are also "projects" (or are being converted into projects) in the sense that we need to be able to place them into the budget and track them and treat them as with the other projects. But labeling any of the placeholders as

a “project” is not intended to change how the Council and others treat them, for planning or implementation purposes. The placeholders thus continue to need special consideration and review by the Council and Bonneville in transforming them during the year into actual funded activities:

- ISRP/ISAB: The level of effort required by the Independent Scientific Review Panel (ISRP) during FY05 to review elements of the program will depend upon how the Council adopts and implements subbasin plans and establishes the associated project review processes. If subbasin plans are adopted as planned, and an effort is made to implement the plans across the basin in the FY06 project recommendation, this would mean some sort of program-wide project solicitation and ISRP review for all projects during FY05. The ISRP project review process would be extensive and expensive. It may be that the Council does not expect the ISRP to have to undertake or complete this extensive a review process during FY05 (*see* section III below), but the Council needs to plan at this time for this possibility. The level of effort for the Independence Scientific Advisory Board (ISAB) is expected to be consistent with prior years. So, the staff recommends a placeholder for the ISRP/ISAB of slightly over \$1,000,000, and has included that amount in the FY05 budget. The Council will revisit this level of effort and budget periodically throughout the year to determine if it remains appropriate.
- APRE: The recommendations, evaluations and data coming out of the Artificial Production Review Evaluation (APRE) provide an opportune chance to step up the rate of implementation of artificial production reform. The staff recognizes a need to continue to fund the APRE project to make this happen. A draft APRE issue paper will outline the need to support the ongoing hatchery review forum and process -- to better integrate artificial production assessments and reform into on-going subbasin planning and implementation and into project review and funding; to integrate and synchronize local subbasin objectives for artificial and natural production with regional, basinwide, national and international production objectives and policies; to identify and address conflicts between various programs; to set priorities for reform and focus reform efforts, and to assess the feasibility of proposed actions -- so that the work accomplished so far in the APRE can be taken the next step, and not grow stale for non-use. The amount of funding needed for these activities will vary with the level of intensity that the Council agrees is appropriate. The staff included a placeholder estimate of approximately \$900,000 in the FY05 budget. This amount would assume a significant level of effort on the part of the APRE project. The actual scope of work and estimated budget will be determined after the Council reviews an APRE issue paper with the region.
- Columbia Basin Water Transaction Program: This program, administered by the National Fish and Wildlife Foundation, implements RPA 151 of the 2000 FCRPS Biological Opinion and Section A(8) of the Implementation Provisions of the Council’s 2000 Fish and Wildlife Program. NOAA Fisheries is substantially revising the FCRPS Biological Opinion, and it is unknown how the new opinion will treat this activity. But, the staff believes that the benefits of continuing the project are substantial. The Council’s Fish and Wildlife Program did not define a dedicated level of funding; the Biological Opinion suggested \$5-\$10 million per year. The Council budgeted \$4 million for the

project last year; the staff estimates the potential for \$5 million in water transactions in FY05, and so included that amount in the FY05 budget.

- Subbasin Planning: FY05 will see a small amount of effort to help wrap up the review and adoption of the subbasin plans. The work will occur primarily if not wholly between October 1 and December 31, 2004, and will largely involve funding state coordinators during this period and some tasks to respond to ISRP review and public comment on the plans prior to Council adoption. The staff has recommended \$541,083 in the FY05 budget for this work. This amount represents the projected savings from the amount authorized in FY04 for subbasin planning, rescheduled to FY05, making this recommendation revenue neutral.
- BPA Program Support: Bonneville has requested increasing from \$11,500,000 in FY04 to \$11,800,000 for FY05. A policy issue underlying this request has been discussed above.
- Data Management: The staff has identified several data management activities associated with the review, adoption and start of implementation of the subbasin plans needed in FY05. These include managing the data associated with the assessment portions of subbasin plans and the plans themselves. The staff has included three separate projects to cover this work, at a total of approximately \$490,000, a significant increase over last year's approximately \$200,000 for data management tasks. Peter Paquet will be available to discuss these needs with the Committee and Council.

**6. Implications of revised FCRPS Biological Opinion.** If the FCRPS Biological Opinion is revised as indicated in the set of discussions this spring, the proposed action from the operating agencies (the Corps, Reclamation and Bonneville) may include a discrete set of habitat activities to benefit listed salmon and steelhead, intended to offset some of the adverse effects of system operations. These activities (if any in fact are identified) will in theory be above and beyond what habitat actions are currently being funded or proposed for FY05 -- that would be the point of placing them in the proposed agency action in the opinion, at least as explained in the discussions led by NOAA Fisheries of the proposed revised jeopardy analysis. Bonneville representatives have suggested the Council leave room in the recommended FY05 budget to be able to fund habitat activities identified in the new Biological Opinion.

The staff declined to leave such a placeholder in the FY05 budget, and does not believe Bonneville should, either. This is a more appropriate matter for FY06, for a number of reasons: First, and foremost, the new Biological Opinion will not be out until at least November, well into FY05. We have not seen any reason it will be critical or rational to implement the proposed habitat activities immediately. We also do not know what projects, if any or all, that the Biological Opinion will make a responsibility of Bonneville to implement, as opposed to the Corps or Reclamation. Also, while a set of habitat activities may end up in the proposed action, the revised opinion may no longer include the extensive habitat, estuary, hatchery and harvest activities that ended up in the reasonable and prudent alternatives in the 2000 Biological Opinion. The overall implication of these changes is unclear.

An orderly planning process to fit habitat activities assigned to Bonneville into the FY06 budget and into the ISRP project review that the Council will return to for that year makes much more sense. This is especially true as the assessments and the strategies in the subbasin plans will be the likely source of these new actions. Moreover, to leave significant room in the FY05 for projects of this type at this date would mean cutting other projects that are part of the basin's basic, on-going habitat and production program, exactly what these new actions are intended to build on.

**7. Review of projects, performance matters, and contract practices during FY05 as part of the transition to subbasin plan implementation in FY06 and beyond.** Bonneville, the Council and others always engage in a kind of within-fiscal-year budget management process to track implementation of the projects and budget and identify and address problems that arise. At the heart of this process should be a robust quarterly-review effort. One purpose is so that the Council and others can understand from Bonneville how successful Bonneville has been in implementing the project funding recommendations across the program, or why difficulties have cropped up, so that the Council may provide feedback to Bonneville during the year when necessary, and address in the next project review process critical issues that arose with the Council recommendations in the previous year. The quarterly review process needs to work better than it does now; the staff considers it a high priority to work with Bonneville and others to improve the within-year review and oversight.

But because of the need to be ready for the transition to subbasin plans in future years, there is a corresponding need for a harder look at the projects and at contract practices during FY05. For example, informal reviews over the last few months have identified a few project performance issues across the hundreds of projects in the program. These include projects that have apparently not reported results for a substantial amount of time; or projects whose scope has changed or certain activities have been completed, yet are still being funded for the original scope or activities; or projects whose scopes of work are still to be defined in the "step review" process, but which have not submitted step review information or been scheduled for review, and consequently simply continue to plan and engage in activities without an appropriate definition of the scope of work.

The staff did not make these performance issues a basis for not including a project in the FY05 project list or for reducing a project budget, for a number of reasons. First, these performance issues were not identified in any sort of consistent or systematic review of the program. More important, when reports of some performance issues were investigated, not all turned out to be real (e.g., results had been reported, but not tracked in the right files). The Council staff does not have the capacity to review all the projects in the program to identify all those with possible performance issues or to review such projects in the kind of detail necessary to determine if in fact the performance issues are real.

But the Council staff recommends a different, more systematic effort as part of its recommended approach to clearing the way for subbasin plan implementation in future fiscal years. (See the third section of this memorandum.) The staff recommends that Bonneville organize a process

during FY05 to strictly scrutinize the on-going projects in the program, in a relatively strict if fair effort to determine which projects can be said to be completed or to be moribund in producing results, in whole or in specific tasks, so that funded activities may come to an end. Bonneville should report the results of this review, and the Council staff and Council would monitor or oversee the review process, and review the results. The point of this effort will be to recommend changes that free up capacity within the available budget to begin implementing new objectives and strategies in subbasin plans. If the end result of this review will be to free up funds in the FY05 budget as well, so much the better. The staff recommends that budget amounts freed up or saved in this manner should, absent emergencies, be set aside in a “subbasin plan implementation placeholder” and not reallocated to other projects in FY05.

The staff recommends one other change -- to Bonneville contracting practices -- which would be beneficial for a number of reasons, but would be particularly important for the transition to FY06 and beyond. This would be to align contract periods with the fiscal year, and in any event to try to make *all* contracts this year expire with the start of FY06. This change would help address a number of the on-going delay and lag problems discussed above. But more important for this particular moment, it would help clear the way for a fresh review of the program and projects to begin implementation of the subbasin plans.

### **III. Project review following the adoption of subbasin plans, in FY06 and beyond**

The Council plans to adopt more than 50 subbasin and mainstem reach plans into the program in 2004-05, and use those plans as the basis in the future for deciding what projects to recommend for funding as part of the program. In considering how best to make the transition in the project funding process to the new subbasin plan context, there are a number of issues for the Council and others to consider. This part of the memorandum outlines some of these issues for the Council, followed by a suggestion or strawman proposal from the staff for how to reconfigure project review.

**Issues.** For one, all the people in the subbasins and elsewhere who put a substantial amount of effort and resources into developing the subbasin plans will have high expectations that the plans be used, funded and implemented. An early assessment of the draft subbasin plans indicates it is unlikely the plans will call into question many (or even any) of the various and substantial on-going program areas, such as the major habitat and production initiatives funded through the program in certain tributaries. Instead, especially with what appears to be a major focus on the problems and opportunities associated with protection and restoration of habitat on private lands, it is likely that the subbasin plans will identify a new body of work that it would be logical, at least from a biological and management standpoint, to add into the program. Program budgets will always be tight, but over the near term the financial dilemmas and constraints at Bonneville may worsen before they improve, and FY06 could be a particularly troublesome year. The possible strain on program budgets is obvious, as is the possibility for either major conflict over what to cut of the program projects or dashed expectations right out of the chute.

Related, one of the great benefits of the subbasin planning process has been the way it has expanded significantly the number and types of people engaged with the program, especially local landowners, government officials, soil conservation districts, environmentalists and others in these subbasins. The Council believes it is important for the long-term viability of the program to keep as many of these people engaged in the program as possible. Doing so is one of the challenges of the program over the next few years. Similarly, it makes sense to sustain and transform the institutional capacity of some or all of the subbasin planning groups, another challenge for incentives and resources, and something not factored into the tight FY05 budget.

Also, expectations will probably be high that subbasin plans be implemented in the project funding recommendations in FY06, not later. This may be possible. But depending especially on when the Council completes the adoption of the subbasin plans into the program, and how extensive ISRP review will need to be of project proposals for consistency with subbasin plans, it may be difficult or impossible to integrate subbasin plans fully into project funding recommendations for FY06. If not, how to make a proper transition in FY06 will be another challenge, especially since that might mean yet another year of status quo project funding recommendations without ISRP review.

A related issue concerns the fact that the adoption of the separate subbasin plans will create, not solve, the need to address issues of prioritization and budget allocation within and especially

between subbasins. The Council may attempt to address these issues along with or as part of the review and adoption of the subbasin plans into the program. But if not, the Council and others will need to address these difficult allocation issues before or during the first program-wide foray into implementing subbasin plans through project funding recommendations.

**Strawman proposal for project review following subbasin plan adoption.** Given these issues and concerns, here in outline form is a suggestion or strawman proposal for proceeding to project review following the adoption of the subbasin plans. We will discuss this outline and possible variations and alternatives with the Committee in Spokane, with an eye toward a more refined proposal the following month.

- Council will complete the process of adopting subbasin plans into the program during 2005.
- By 2005, Bonneville, Council and others are to arrive at an agreement or understanding that includes the Bonneville fish and wildlife funding commitment for the next five years or so, as well as agreement as to the rules for project review and funding and for program, project and budget management.
- During FY2005, Bonneville and others will closely review the projects as described in issue #7 above, with Council oversight and review of the results, to bring to a conclusion any projects or activities possible so as to increase capacity within the budget to implement subbasin plans.
- In the near future, the Council and others should decide on budget prioritization/allocation principles among and between subbasins. The goal will be to decide on a budget target for each subbasin (or at least for each province), so those who will propose and prioritize projects for each subbasin will know the size of the budget they will have to plan toward.
- After an appropriate pause following the adoption of the subbasin plans, and assuming the other pieces are in place as well, issue a program-wide solicitation for projects proposed for funding consistent with the subbasin plan. The solicitation should come with clear guidance or direction as to the nature of projects that qualify (close fit with priority strategies and objectives in subbasin plans) and the budgets available. The purpose will be to avoid being inundated with project proposals that have little or no chance for funding.
- Conduct a complete ISRP review of proposed projects, especially focused on consistency with subbasin plans. A program-wide review of this type could take quite awhile.
- Conduct the necessary public and Council reviews following the ISRP review.
- The Council will then produce program-wide project funding recommendations to begin implementation of subbasin plans.
- If all of this can be accomplished in time for FY06 project recommendations, fine. But if not, and there is a good chance we will not have the time, the Council, Bonneville and others will have to agree to some sort of FY06 start-of-year transition, and aim for comprehensive recommendations and first implementation either later in FY06 or even at the start of FY07.
- If the program could help sustain the groups involved in subbasin planning (as well as the state coordinators), these groups could be immensely helpful in defining, prioritizing and reviewing projects to implement the subbasin plans, and in keeping together the broad coalitions of support engaged in subbasin planning. We did not include money for this purpose in the FY05 budget, with the hope that other funding sources will help preserve these groups for the next year. The Council will need to consider recommending funding in FY06 and beyond to fill gaps needed to sustain the subbasin groups.



**FY 2005 staff recommended draft budget (07/6/04)**

**Draft Summary Table**

**Expense**

Province	Staff Recommended budget (07/0604)
Mainstem/Systemwide	\$ 41,686,062
Lower Columbia and Estuary	\$ 9,341,098
Intermountain	\$ 10,804,689
Columbia Cascade	\$ 1,584,143
Columbia Gorge	\$ 5,483,609
Mountain Columbia	\$ 8,326,240
Blue Mountain	\$ 8,385,150
Upper Snake	\$ 773,570
Mountain Snake	\$ 19,562,527
Middle Snake	\$ 2,048,525
Columbia Plateau	\$ 25,524,764
Bonneville Program Support	\$ 11,800,000

**Totals \$ 145,320,377**

**Capital**

Province	Staff draft budget (07/06/05)
Mainstem	\$ 723,000
Lower Columbia and Estuary	\$ 350,000
Intermountain	\$ 16,856,516
Columbia Cascade	\$ 2,863,859
Columbia Gorge	\$ 7,299,900
Mountain Columbia	\$ 14,000,000
Blue Mountain	\$ 7,336,271
Upper Snake	\$ 4,300,000
Mountain Snake	\$ 1,000,000
Middle Snake	\$ -
Columbia Plateau	\$ 26,989,867

**Totals \$ 81,719,413**

**Note: capital table represents  
all work not completed but  
recommended during the  
provincial review. Needs to be  
reviewed for 2005  
implementation feasibility**

Project Number	Province	Subbasin	Title	Project Manager
198201300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Coded-Wire Tag Recovery	VERXA
198201301	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Coded Wire Tag - PSMFC	VERXA
198201302	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Coded Wire Tag - ODFW	VERXA
198201303	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Coded Wire Tag - USFWS	VERXA
198201304	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Coded Wire Tag - WDFW	VERXA
198331900	SYSTEMWIDE	SYSTEMWIDE PROJECTS	New Marking & Monitoring Tech	FODREA
198335000	MOUNTAIN SNAKE	CLEARWATER	Nez Perce Tribal Hatchery O&M	KIRKMAN
198335001	MOUNTAIN SNAKE	CLEARWATER	Final Design Nez Perce Hatcher	KIRKMAN
198335002	MOUNTAIN SNAKE	CLEARWATER	Site Investigation Allot #1705	KIRKMAN
198335003	MOUNTAIN SNAKE	CLEARWATER	Nez Perce Tribal Hatchery M&E	KIRKMAN
198343500	COLUMBIA PLATEAU	UMATILLA	Umatilla Hatchery O&M - CTUIR	MCCLLOUD
198343600	COLUMBIA PLATEAU	UMATILLA	Umatilla Passage O&M	BRANUM
198402100	COLUMBIA PLATEAU	JOHN DAY	John Day Habitat Enhancement	BAUGHER
198402500	BLUE MOUNTAIN	GRANDE RONDE	Joseph Creek, Grande Ronde Riv	DEHERRERA
198503800	INTERMOUNTAIN	COLUMBIA UPPER	Colville Hatchery	BAESLER
198506200	COLUMBIA PLATEAU	YAKIMA	Yakima Screen Evaluation	MCCLLOUD
198605000	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Evaluate Sturgeon Physical Hab	MORINAKA
198605001	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Experimental White Sturgeon Re	MORINAKA
198709900	MOUNTAIN SNAKE	CLEARWATER	Dworshak Dam Impacts Assess/In	CRAIG
198710001	COLUMBIA PLATEAU	UMATILLA	Umatilla Anad Fish Hab - CTUIR	MCCLLOUD
198710002	COLUMBIA PLATEAU	UMATILLA	Umatilla Anad. Fish Hab - ODFW	MCCLLOUD
198712700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Smolt Monitoring By Non-Feder	MCCLLOUD
198740100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Assess Smolt Condition - Bio &	PICCININNI
198740700	MOUNTAIN SNAKE	CLEARWATER	Npt Dworshak Model Development	CRAIG
198802200	COLUMBIA PLATEAU	UMATILLA	Umatilla Fish Passage Ops	MCCLLOUD
198805301	BLUE MOUNTAIN	IMNAHA	Ne Or Hatchery Master Plan - N	KIRKMAN
198805302	COLUMBIA PLATEAU	UMATILLA	Ne Or Hatchery Master Plan - C	MCCLLOUD
198805303	COLUMBIA GORGE	HOOD	Hood River Produc Prog-CTWSRO	LOFY
198805304	COLUMBIA GORGE	HOOD	Hood River Produc Prog-ODFW	LOFY
198805305	BLUE MOUNTAIN	GRANDE RONDE	Ne Ore Outplntg Facilities Mst	KIRKMAN
198805306	COLUMBIA PLATEAU	DESCHUTES	Hood R Production Hatchery O&M	LOFY
198805307	COLUMBIA GORGE	HOOD	Hood River Program Review	LOFY
198805308	COLUMBIA GORGE	HOOD	Hood R Powerdale/Oak Springs	LOFY
198805311	BLUE MOUNTAIN	GRANDE RONDE	NEOH Umatilla CTUIR Parametrix	MCCLLOUD
198805312	COLUMBIA GORGE	HOOD	Hood River Steelhead Genetic	LOFY

Project Number	Province	Subbasin	Title	Project Manager
198805313	COLUMBIA GORGE	HOOD	Hood River Three Step Review	MORSE
198805314	COLUMBIA GORGE	HOOD	Hood River Program Review	MORSE
198806400	MOUNTAIN COLUMBIA	KOOTENAI	Kootenai R White Sturgeon	CRAIG
198806500	MOUNTAIN COLUMBIA	KOOTENAI	Kootenai R White Sturgeon Inve	CRAIG
198810804	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Streamnet (Cis/Ned)	PICCININNI
198811500	COLUMBIA PLATEAU	YAKIMA	Cle Elum Mon/Eval Bldg	BYRNES
198811512	COLUMBIA PLATEAU	YAKIMA	Easton Spring Chinook Acclimat	BYRNES
198811516	COLUMBIA PLATEAU	YAKIMA	Yakima Hatchery Acclimation Si	BYRNES
198811525	COLUMBIA PLATEAU	YAKIMA	YKFP - Design & Construction	BYRNES
198811535	COLUMBIA GORGE	KLICKITAT	Klickitat Fishery YKFP Design	BYRNES
198812009	COLUMBIA PLATEAU	YAKIMA	Steelhead Fall Chin Prod Objec	BYRNES
198812025	COLUMBIA PLATEAU	YAKIMA	YKFP Management, Data, Habitat	BYRNES
198812026	COLUMBIA PLATEAU	YAKIMA	YIN Hatchery Educate/Training	BYRNES
198812035	COLUMBIA GORGE	KLICKITAT	Klickitat Mgmt, Data, Habitat	BYRNES
198815600	MIDDLE SNAKE	OWYHEE	Duck Valley Resident Fish Proj	MCCLINTOCK
198816000	LOWER COLUMBIA	WILLAMETTE	Bioeng Eval Oxygen Supp ODF&W	MORINAKA
198902401	COLUMBIA PLATEAU	UMATILLA	Eval Um Juvenile Sal Out Migra	MCCLLOUD
198902700	COLUMBIA PLATEAU	UMATILLA	Power/Repay O&M For Usbr Cpr P	MCCLLOUD
198902900	COLUMBIA GORGE	HOOD	Hood River Production - Pelton	HEISTER
198903500	COLUMBIA PLATEAU	UMATILLA	Umatilla Hatchery O&M - ODFW	MCCLLOUD
198906201	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Annual Work Plan CBFWA	MORELAND
198907201	SYSTEMWIDE	SYSTEMWIDE PROJECTS	ISAB - Coutant	BRADY
198909600	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Genetic M&E Prog For Sal/Steel	RALSTON
198909800	MOUNTAIN SNAKE	SALMON	Salmon Studies ID Rvrs IDFC	LOFY
198909801	MOUNTAIN SNAKE	CLEARWATER	Salmon Studies ID Rvrs USFWS	LOFY
198909802	MOUNTAIN SNAKE	SALMON	Salmon Studies ID Rvrs NPT	LOFY
198909803	MOUNTAIN SNAKE	SALMON	Salmon Studies ID Rvrs SBT	LOFY
198910700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Statistical Support For Salmon	PICCININNI
199000500	COLUMBIA PLATEAU	UMATILLA	Umatilla Hatchery - M&E	MCCLLOUD
199000501	COLUMBIA PLATEAU	UMATILLA	Umatilla Basin Nat Prod M&E	MCCLLOUD
199001800	INTERMOUNTAIN	SANPOIL	Rainbow Tr Hab/Pass Impr Prog	CRAIG
199004400	INTERMOUNTAIN	COEUR D'ALENE	Coeur D'Alene Reservation Habi	WATTS III
199004401	INTERMOUNTAIN	COEUR D'ALENE	Lake Creek Land Acquisition	WATTS III
199004402	INTERMOUNTAIN	COEUR D'ALENE	Coeur D'Alene Trout Production	KIRKMAN
199005200	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Perf/Stock Prod Impacts Of Hat	GISLASON

Project Number	Province	Subbasin	Title	Project Manager
199005500	MOUNTAIN SNAKE	CLEARWATER	ID Steelhead M&E Studies	LOFY
199007700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Dev of Sytemwide Pred Control	SKIDMORE
199007800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Squawfish Management Support	SKIDMORE
199008000	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Columbia Basin Pit-Tag Informa	FODREA
199008001	SYSTEMWIDE	SYSTEMWIDE PROJECTS	PIT TAG Purchases	SWAN
199009200	COLUMBIA PLATEAU	UMATILLA	Wanaket Wildlife Area	DEHERRERA
199009300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Genetic Analyses Of Oncorhynch	RALSTON
199101901	MOUNTAIN COLUMBIA	FLATHEAD	Hungry Horse Mitigation/Flathe	MORINAKA
199101903	MOUNTAIN COLUMBIA	FLATHEAD	Hungry Horse Mitigation/Habita	MORINAKA
199101904	MOUNTAIN COLUMBIA	FLATHEAD	Hungry Horse Mitigation - Koka	MORINAKA
199102800	MOUNTAIN SNAKE	SALMON	Pit Tagging Wild Chinook	DOCHERTY
199102900	COLUMBIA PLATEAU	COLUMBIA LOWER MIDDLE	Post-Release Survival Of Fall	DOCHERTY
199104600	INTERMOUNTAIN	COLUMBIA UPPER	Spokane Tribal (Galbr Sprgs) H	BAESLER
199104700	INTERMOUNTAIN	COLUMBIA UPPER	Sherman Creek Hatchery - O&M	BAESLER
199105100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	M&E Statistical Support For Li	PICCININNI
199105500	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Supplementation Fish Quality	BAESLER
199105700	COLUMBIA PLATEAU	YAKIMA	Yakima Bas Screen Fab PH 2	MCCLLOUD
199106000	INTERMOUNTAIN	PEND OREILLE	Pend Oreille Wetlands Acquisit	WATTS III
199106100	COLUMBIA PLATEAU	CRAB	Swanson Lake Wildlife Mitigati	DEHERRERA
199106200	INTERMOUNTAIN	SPOKANE	Blue Cr Winter Range	CRAIG
199107100	MOUNTAIN SNAKE	SALMON	Sockeye Salmon Hab & Limnologi	RALSTON
199107200	MOUNTAIN SNAKE	SALMON	Redfish Lake Sockeye Salmon Ca	RALSTON
199107300	MOUNTAIN SNAKE	SALMON	Idaho Natural Production Monit	LOFY
199107500	COLUMBIA PLATEAU	YAKIMA	Yakima Fish Screens Cons BOR	MCCLLOUD
199107501	COLUMBIA PLATEAU	YAKIMA	Yakima Screens Const-Fogarty	BYRNES
199107502	COLUMBIA PLATEAU	YAKIMA	Yakima Screens - Moxee Hubbard	BYRNES
199107800	LOWER COLUMBIA	WILLAMETTE	Burlington Bottoms Wldlf Mitig	WILCOX
199200900	COLUMBIA PLATEAU	YAKIMA	Yakima Phase II Screens O&M	MCCLLOUD
199201000	UPPER SNAKE	SNAKE UPPER	Habitat Imprvmnt/Enhnmnt - For	MORINAKA
199202200	COLUMBIA PLATEAU	YAKIMA	Wild Smolt Behavior/Physiology	DOCHERTY
199202400	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Law Enforcement DepletedSalmon	MARCOTTE
199202409	MOUNTAIN SNAKE	CLEARWATER	Law Enforcement Transition Fun	MILLER
199202601	BLUE MOUNTAIN	GRANDE RONDE	Grand Ronde Model Watershed	WELCH
199202603	MOUNTAIN SNAKE	SALMON	Model Watershed Studies - Lemh	CARTER
199202604	BLUE MOUNTAIN	GRANDE RONDE	Life Studies Of Spring Chinook	BAESLER

Project Number	Province	Subbasin	Title	Project Manager
199203200	MOUNTAIN SNAKE	SALMON	Life Cycle Model Dev Snake Riv	SHAW
199204000	MOUNTAIN SNAKE	SALMON	Redfish Lake Sockeye Broodstoc	RALSTON
199204800	INTERMOUNTAIN	SANPOIL	Hellsgate Big Game Winter Rang	DEHERRERA
199205900	LOWER COLUMBIA	WILLAMETTE	Amazon Basin/Eugene Wetlands -	CRAIG
199206100	INTERMOUNTAIN	PEND OREILLE	Pend Oreille Wetlands (IDFG)	WATTS III
199206200	COLUMBIA PLATEAU	YAKIMA	Lower Yakima Valley Riparian/W	WILCOX
199206800	LOWER COLUMBIA	WILLAMETTE	Willamette Basin Mitigation	WELCH
199207300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Develop Laser Marking Salmonid	MORSE
199302900	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Survival Est For Passage Throu	PICCININNI
199303501	MOUNTAIN SNAKE	CLEARWATER	Red River Restoration	KEEN
199303600	MOUNTAIN SNAKE	CLEARWATER	Haysfork Gloryhole	KEEN
199303800	COLUMBIA PLATEAU	JOHN DAY	N Fork John Day R Enhancement	THOMS
199304000	COLUMBIA GORGE	FIFTEENMILE	Fifteenmile Creek Habitat Impr	BAUGHER
199304001	COLUMBIA GORGE	FIFTEENMILE	15 Mile Creek Steelhead Smolt	BAUGHER
199305600	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Demonstration Of Captive Salmo	RALSTON
199305800	COLUMBIA PLATEAU	CRAB	WA Coalition Mitigation Agreem	DEHERRERA
199306000	LOWER COLUMBIA	COLUMBIA LOWER	Select Area Fishery Evaluation	ZELINSKY
199306200	MOUNTAIN SNAKE	SALMON	Upper Salmon River Anadromous	MCCLINTOCK
199306600	COLUMBIA PLATEAU	JOHN DAY	Oregon Fish Screens Project	SWAN
199401500	MOUNTAIN SNAKE	SALMON	Idaho Fish Screening Improveme	CARTER
199401700	MOUNTAIN SNAKE	SALMON	Idaho Model Watershed Habitat	CARTER
199401703	MOUNTAIN SNAKE	SALMON	Lemhi Stream Habitat Enhanceme	MCCLINTOCK
199401805	BLUE MOUNTAIN	ASOTIN	Asotin Enhancement/Restoration	WELCH
199401806	COLUMBIA PLATEAU	TUCANNON	Tucannon Stream And Riparian R	ZELINSKY
199401807	COLUMBIA PLATEAU	TUCANNON	Habitat For Fall Chinook, Stee	BRANUM
199402600	COLUMBIA PLATEAU	UMATILLA	Pacific Lamprey Population Sta	DOCHERTY
199402700	BLUE MOUNTAIN	GRANDE RONDE	Grande Ronde Model WS Habitat	DEHERRERA
199403300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Fish Passage Center	NOICE
199403400	MOUNTAIN SNAKE	CLEARWATER	Upper Clearwater - Assessing S	DOCHERTY
199403900	BLUE MOUNTAIN	GRANDE RONDE	Wallowa Basin Project Planning	DEHERRERA
199404200	COLUMBIA PLATEAU	DESCHUTES	Trout Creek O&M	SWAN
199404300	INTERMOUNTAIN	COLUMBIA UPPER	Lake Roosevelt Data Collection	CRAIG
199404400	COLUMBIA PLATEAU	COLUMBIA LOWER MIDDLE	Sagebrush Flat WL Mitigation	DEHERRERA
199404700	INTERMOUNTAIN	PEND OREILLE	Lake Pend Oreille Kokanee Miti	CRAIG
199404900	MOUNTAIN COLUMBIA	KOOTENAI	Kootenai River Resident Fish A	CRAIG

Project Number	Province	Subbasin	Title	Project Manager
199405000	MOUNTAIN SNAKE	SALMON	Salmon River Habitat Enhance	CARTER
199405300	LOWER COLUMBIA	WILLAMETTE	Bull Trout Assessment - Willam	MORINAKA
199405400	COLUMBIA PLATEAU	DESCHUTES	Bull Trout Life History Projec	MORINAKA
199405900	COLUMBIA PLATEAU	YAKIMA	Yakima Basin Environmental Edu	BRADY
199406900	COLUMBIA PLATEAU	COLUMBIA LOWER MIDDLE	Spawning Habitat Model - Snake	DOCHERTY
199500100	INTERMOUNTAIN	PEND OREILLE	Kalispel Tribe Resident Fish P	MORINAKA
199500400	MOUNTAIN COLUMBIA	KOOTENAI	Libby Reservoir Mitigation Pla	MORINAKA
199500600	UPPER SNAKE	SNAKE UPPER	Comprehensive Mstr Plan/Sho-Ba	MORINAKA
199500700	COLUMBIA GORGE	HOOD	Hood River Production Program	HEISTER
199500900	INTERMOUNTAIN	COLUMBIA UPPER	Lake Roosevelt Rainbow Trout N	BAESLER
199501100	INTERMOUNTAIN	SPOKANE	Chief Joseph Kokanee Enhanceme	CRAIG
199501300	MOUNTAIN SNAKE	CLEARWATER	(Phase Iv) Nez Perce Trout Pon	KEEN
199501500	MIDDLE SNAKE	OWYHEE	(Phase Iv) Billy Shaw Res Dev	WELCH
199501600	MOUNTAIN SNAKE	CLEARWATER	Genetic Inventory Westslope Tr	MORINAKA
199501900	MIDDLE SNAKE	MALHEUR	Burns-Paiute F&W Coordinator	DEHERRERA
199502500	MOUNTAIN COLUMBIA	FLATHEAD	Flathead River Instream Flow	MORINAKA
199502700	INTERMOUNTAIN	COLUMBIA UPPER	Lake Roosevelt Sturgeon	CRAIG
199502800	COLUMBIA PLATEAU	CRAB	Assessment Of Fishery Improvem	MORINAKA
199503300	COLUMBIA PLATEAU	YAKIMA	O&M Yakima Basin Fish Screens	MCCLLOUD
199505700	UPPER SNAKE	SNAKE UPPER	S Idaho Wildlife Mitigation	WELCH
199505701	MIDDLE SNAKE	BOISE	S Idaho Wildlife Mitigation	WELCH
199505702	UPPER SNAKE	SNAKE UPPER	S Idaho Wildlife Mitigation	WELCH
199505703	MIDDLE SNAKE	OWYHEE	S Idaho Wildlife Mitigation	WELCH
199505704	UPPER SNAKE	SNAKE UPPER	Deer Parks Complex WL Habitat	WELCH
199506001	COLUMBIA PLATEAU	UMATILLA	Iskuulpa Watershed Project	DEHERRERA
199506301	COLUMBIA PLATEAU	YAKIMA	YKFP/YIN Chandler Juv Facility	BYRNES
199506325	COLUMBIA PLATEAU	YAKIMA	Ykfp - Monitoring And Evaluati	BYRNES
199506335	COLUMBIA GORGE	KLICKITAT	Klickitat Fishery YKFP M & E	BYRNES
199506424	COLUMBIA PLATEAU	YAKIMA	WDFW/YKFP Supp Monitor Activit	BYRNES
199506425	COLUMBIA PLATEAU	YAKIMA	YKFP Policy/Plan/Technical	BYRNES
199506700	INTERMOUNTAIN	COLUMBIA UPPER	Colville Confederated Tribes P	DEHERRERA
199506800	COLUMBIA GORGE	KLICKITAT	Klickitat Passage/Habit Design	BYRNES
199507400	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Unallocated Integrated Program	SIVYER
199600500	SYSTEMWIDE	SYSTEMWIDE PROJECTS	ISAB	MORELAND
199600600	SYSTEMWIDE	SYSTEMWIDE PROJECTS	PATH Facilitate Assist& Review	GEISELMAN

Project Number	Province	Subbasin	Title	Project Manager
199600700	MOUNTAIN SNAKE	SALMON	Upper Salmon River Diversion C	MCCLINTOCK
199600800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	PATH - State & Tribal Agencies	GEISELMAN
199601000	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Biological Opinion (ESA) Funds	SIVYER
199601100	COLUMBIA PLATEAU	WALLA WALLA	Juv Screens & Traps WallaWalla	BRANUM
199601200	COLUMBIA PLATEAU	WALLA WALLA	Anad Fish Passage Walla Walla	MARCOTTE
199601201	COLUMBIA PLATEAU	WALLA WALLA	Nursery Bridge Local Cost Shar	MARCOTTE
199601900	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Technical Management Team (Tmt	ASKREN
199602000	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Pit Tagging Spring/Summer Chin	NOICE
199602100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Gas Bubble Disease Mon & Resea	NOICE
199603201	COLUMBIA PLATEAU	YAKIMA	Hanford K Basin Fall Chin Accl	BYRNES
199603202	COLUMBIA PLATEAU	YAKIMA	Hanford K Basin Master Plan	BYRNES
199603327	COLUMBIA PLATEAU	YAKIMA	Coho Supp Yakima R Constructio	BYRNES
199603401	COLUMBIA CASCADE	METHOW	Methow River Valley Irr Dist	HERMESTON
199603501	COLUMBIA PLATEAU	YAKIMA	Satus Creek Watershed Restorat	WILCOX
199604000	COLUMBIA CASCADE	WENATCHEE	Coho Restoration Mid-Columbia	HERMESTON
199604020	COLUMBIA CASCADE	WENATCHEE	Coho Supp In Mid Columbia O&M	HERMESTON
199604022	COLUMBIA CASCADE	WENATCHEE	Coho Supp Mid Col Construction	HERMESTON
199604200	COLUMBIA CASCADE	OKANAGON	Restore Salmon Cr Anad Fish	HERMESTON
199604300	MOUNTAIN SNAKE	SALMON	Johnson Creek Artificial Propa	KIRKMAN
199604302	MOUNTAIN SNAKE	SALMON	Johnson Cr Artificial Propagat	KIRKMAN
199604303	MOUNTAIN SNAKE	SALMON	Johnson Cr Wetland Delineation	KIRKMAN
199604601	COLUMBIA PLATEAU	WALLA WALLA	Walla Walla River Basin Fish H	ZELINSKY
199605300	COLUMBIA PLATEAU	JOHN DAY	North Fork John Day Dredge-Tai	BAUGHER
199606700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Manchester Spring Chinook Capt	BAESLER
199607000	LOWER COLUMBIA	WILLAMETTE	McKenzie Focus Watershed	BAUGHER
199607700	MOUNTAIN SNAKE	CLEARWATER	Clearwater Watershed Impl - NP	KEEN
199607702	MOUNTAIN SNAKE	CLEARWATER	Lolo Creek Watershed	KEEN
199607703	MOUNTAIN SNAKE	CLEARWATER	Restore Fishing to Bear Creek	KEEN
199607705	MOUNTAIN SNAKE	CLEARWATER	Restore McComas Meadows	KEEN
199608000	BLUE MOUNTAIN	GRANDE RONDE	NE Oregon Wldf Proj (Npt)	DEHERRERA
199608300	BLUE MOUNTAIN	GRANDE RONDE	Grand Ronde Watershed Restor	WELCH
199608600	MOUNTAIN SNAKE	CLEARWATER	Clearwater Focus Watershed/Con	KEEN
199608701	MOUNTAIN COLUMBIA	FLATHEAD	Montana Focus Watershed Coordi	MORINAKA
199608702	MOUNTAIN COLUMBIA	KOOTENAI	Focus Watershed Coordination i	MORINAKA
199609300	BLUE MOUNTAIN	GRANDE RONDE	Grande Ronde Valley Stream Gau	DEHERRERA

Project Number	Province	Subbasin	Title	Project Manager
199609400	COLUMBIA CASCADE	OKANAGON	Scotch Creek Wildlife Area	DEHERRERA
199609401	COLUMBIA CASCADE	OKANAGON	Scotch Creek Wildlife Area	DEHERRERA
199700100	MOUNTAIN SNAKE	SALMON	Idaho Chinook Salmon Captive R	BAESLER
199700400	INTERMOUNTAIN	COLUMBIA UPPER	Resident Fish Above Chief Joe	MORINAKA
199700900	BLUE MOUNTAIN	SNAKE HELLS CANYON	Eval Sturgeon Pop - Snake R (L	MORINAKA
199701100	MIDDLE SNAKE	OWYHEE	Shoshone-Paiute Habitat Enhanc	WELCH
199701325	COLUMBIA PLATEAU	YAKIMA	Yakima/Klickitat Fisheries Pro	BYRNES
199701335	COLUMBIA GORGE	KLICKITAT	Klickitat Fishery YKFP O & M	BYRNES
199701400	COLUMBIA PLATEAU	COLUMBIA LOWER MIDDLE	Eval Juv Fall Chin Str	DOCHERTY
199701500	BLUE MOUNTAIN	IMNAHA	Nez Perce Master Contract	KIRKMAN
199701501	BLUE MOUNTAIN	IMNAHA	Imnaha R Smolt Monitoring NPT	MCCLLOUD
199701900	MIDDLE SNAKE	MALHEUR	Stinking Water Salmonid Projec	LOFY
199702300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Independent Scientific Review	BRADY
199702400	COLUMBIA RIVER ESTUARY	COLUMBIA ESTUARY	Avian Predation On Juvenile Sa	WELCH
199702500	BLUE MOUNTAIN	GRANDE RONDE	Wallowa County/Nez Perce Salmo	WELCH
199702600	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Marine Fish Predation On Juven	RUGER
199703000	MOUNTAIN SNAKE	SALMON	Listed Stock Adult Escapement	DOCHERTY
199703400	COLUMBIA PLATEAU	JOHN DAY	Monitoring Fine Sediment-Grand	PICCININNI
199703800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Listed Stock Chinook Salmon Ga	KIRKMAN
199704400	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Hydro Regulator Model Developm	FODREA
199704700	COLUMBIA PLATEAU	YAKIMA	Yakima R Basin Side Channels	BYRNES
199704900	COLUMBIA PLATEAU	YAKIMA	Teanaway R Flow Restore BOR	BYRNES
199704901	COLUMBIA PLATEAU	YAKIMA	Teanaway R Instream Rest NRCS	BYRNES
199704902	COLUMBIA PLATEAU	YAKIMA	Teanaway R Instream Rest KCCD	BYRNES
199705000	COLUMBIA PLATEAU	YAKIMA	Little Naches Riparian Channel	BYRNES
199705100	COLUMBIA PLATEAU	YAKIMA	Yakima Basin Side Channels	BYRNES
199705200	COLUMBIA PLATEAU	YAKIMA	Yakima R Rearing Habitat Enhan	BYRNES
199705300	COLUMBIA PLATEAU	YAKIMA	Toppenish/Simcoe Instream Flow	WILCOX
199705600	COLUMBIA GORGE	KLICKITAT	Klickitat Watershed Enhance	BYRNES
199705900	SYSTEMWIDE	SYSTEMWIDE PROJECTS	OR W/L Plan And Coordination	DEHERRERA
199705901	SYSTEMWIDE	SYSTEMWIDE PROJECTS	OR WL Planning & Coord USFWS	DEHERRERA
199705902	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Oregon WL Planning/Coordinate	DEHERRERA
199705903	SYSTEMWIDE	SYSTEMWIDE PROJECTS	OR WL Planning & Coordination	DEHERRERA
199705904	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Oregon WL Plan & Coord CTUIR	DEHERRERA
199706000	MOUNTAIN SNAKE	CLEARWATER	Clearwater Focus Watershed NP	KEEN



Project Number	Province	Subbasin	Title	Project Manager
199708300	BLUE MOUNTAIN	GRANDE RONDE	Miles, Poley Allen & Ed Jones	MILLER
199708800	COLUMBIA PLATEAU	TUCANNON	Pataha Cr Stream Restoration	LOFY
199709700	BLUE MOUNTAIN	GRANDE RONDE	Little Dark Canyon Creek	SHAW
199709800	BLUE MOUNTAIN	GRANDE RONDE	Cottonwood Cr Riparian Wallowa	DEHERRERA
199710000	COLUMBIA PLATEAU	WALLA WALLA	CTUIR Habitat Unit Acquisition	DEHERRERA
199710100	BLUE MOUNTAIN	GRANDE RONDE	Water Quality Monitoring	DEHERRERA
199800200	MIDDLE SNAKE	SNAKE UPPER MIDDLE	Snake River Native Salmonid As	MORINAKA
199800300	INTERMOUNTAIN	COLUMBIA UPPER	Spokane Tribe Wildlife Mitiga	CRAIG
199800401	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Columbia Basin Bulletin	MORELAND
199800404	COLUMBIA RIVER ESTUARY	COLUMBIA ESTUARY	Assess Hydro ImpactsOn Estuary	RUGER
199800405	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Columbia Basin Artificial Prod	GISLASON
199800701	BLUE MOUNTAIN	GRANDE RONDE	Grande Ronde Supp Construction	KIRKMAN
199800702	BLUE MOUNTAIN	GRANDE RONDE	Grande Ronde Supp Lostine O&M	KIRKMAN
199800703	BLUE MOUNTAIN	GRANDE RONDE	Grande Ronde Supp. O&M/M&E	KIRKMAN
199800704	BLUE MOUNTAIN	GRANDE RONDE	Grande Ronde Sp Chinook-ODF&W	KIRKMAN
199800800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Regional Forum Facilitator	FISHER
199801001	BLUE MOUNTAIN	GRANDE RONDE	Grande Ronde Captive Brood O&M	BAESLER
199801003	BLUE MOUNTAIN	SNAKE HELLS CANYON	M&E Yearling Snake R. Fall Ch	DOCHERTY
199801004	BLUE MOUNTAIN	SNAKE HELLS CANYON	M&E Snake R. Fall Ch Spawning	DOCHERTY
199801005	BLUE MOUNTAIN	SNAKE HELLS CANYON	Pittsburg Landing Fall Chinook	KIRKMAN
199801006	BLUE MOUNTAIN	GRANDE RONDE	Captive Broodstock Artificial	KIRKMAN
199801007	MOUNTAIN SNAKE	CLEARWATER	Capt J Rapids Chin Acclimation	KIRKMAN
199801301	MOUNTAIN SNAKE	SALMON	Tech Writer Salmon Committee	RALSTON
199801400	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Ocean Survival Of Salmonids	ZELINSKY
199801500	INTERMOUNTAIN	COLUMBIA UPPER	USF&WS Wildlife Coordination	DEHERRERA
199801600	COLUMBIA PLATEAU	JOHN DAY	Escapement/Productivity Spring	BEATY
199801700	COLUMBIA PLATEAU	JOHN DAY	Gravel Push-Up Dam Removal Low	SWAN
199801800	COLUMBIA PLATEAU	JOHN DAY	John Day Watershed Restoration	BAUGHER
199801900	COLUMBIA GORGE	WIND	Wind River Watershed	BAUGHER
199802000	COLUMBIA PLATEAU	WALLA WALLA	Walla Walla R. Habitat Assess.	ZELINSKY
199802100	COLUMBIA GORGE	HOOD	Hood River Fish Habitat	BRANUM
199802200	COLUMBIA PLATEAU	JOHN DAY	Pine Creek/Wagner Management	BAUGHER
199802500	COLUMBIA CASCADE	METHOW	Restore Early Winters Cr Hab	HERMESTON
199802600	COLUMBIA PLATEAU	YAKIMA	Native Trout Populations	MORINAKA
199802800	COLUMBIA PLATEAU	DESCHUTES	Implement Trout Cr Watershed R	SWAN

Project Number	Province	Subbasin	Title	Project Manager
199802801	COLUMBIA PLATEAU	DESCHUTES	Trout Cr Watershed Assessmet	MORSE
199802900	COLUMBIA CASCADE	METHOW	Restore Goat Cr In-Stream	HERMESTON
199803100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Implement Wy-Kan-Ush-Mi Wa-Kis	HERMESTON
199803300	COLUMBIA PLATEAU	YAKIMA	Upper Toppenish Creek Watershe	WILCOX
199803400	COLUMBIA PLATEAU	YAKIMA	Establish Safe Access Tributar	MARCOTTE
199803501	COLUMBIA CASCADE	METHOW	WS Response Hab To Mine Waste	PICCININNI
199804200	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Redesign Of F&W Mgmt Systems	HEISTER
199805000	BLUE MOUNTAIN	GRANDE RONDE	Grouse Cr Culvert Replacement	DEHERRERA
199805100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Natural Heritage Program (WA)	PANSKY
199805400	BLUE MOUNTAIN	GRANDE RONDE	Joseph Cr Watershed Improvemen	DEHERRERA
199805600	SYSTEMWIDE	SYSTEMWIDE PROJECTS	NMFS Net Exchange Program	SKIDMORE
199900100	COLUMBIA PLATEAU	TUCANNON	Tuccanon WS Implementation	LOFY
199900301	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Salmon Spawning Below Lower Co	DOCHERTY
199900600	COLUMBIA PLATEAU	DESCHUTES	Bakeoven Riparian Assessment	MORSE
199900800	COLUMBIA GORGE	FIFTEENMILE	Col Plat Water Right Acquisiti	BAUGHER
199901000	COLUMBIA PLATEAU	JOHN DAY	Pine Hollow/Jackknife Habitat	SWAN
199901200	COLUMBIA PLATEAU	YAKIMA	Watershed Planning & Implement	BYRNES
199901300	COLUMBIA PLATEAU	YAKIMA	Ahtanum Creek Watershed Assess	WILCOX
199901400	MOUNTAIN SNAKE	CLEARWATER	Little Canyon Creek Habitat	KEEN
199901500	MOUNTAIN SNAKE	CLEARWATER	Big Canyon Fish Habitat	KEEN
199901600	MOUNTAIN SNAKE	CLEARWATER	Protect/Restore Big Canyon Cr.	KEEN
199901700	MOUNTAIN SNAKE	CLEARWATER	Rehabilitate Lapwai Creek	KEEN
199901800	MOUNTAIN SNAKE	CLEARWATER	Qualify/Quantify Residual Stee	RALSTON
199901900	MOUNTAIN SNAKE	SALMON	Restore Salmon River (Challis,	MCCLINTOCK
199902000	MOUNTAIN SNAKE	SALMON	Analyze Persistence/Dynamics S	RALSTON
199902200	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Assessing Genetics Columbia Ba	MORINAKA
199902300	COLUMBIA CASCADE	WENATCHEE	Chumstick Creek Northroad	HERMESTON
199902400	COLUMBIA GORGE	KLICKITAT	Bull Trout Assessment Col Gorg	MORINAKA
199902500	LOWER COLUMBIA	SANDY	Sandy River Delta Habitat	WILCOX
199902600	LOWER COLUMBIA	SANDY	Sandy River Delta Riparian Res	MORSE
199903200	MIDDLE SNAKE	SNAKE UPPER MIDDLE	Consumptive Sturgeon-Hells Can	CRAIG
199903400	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Federal Caucus - Unified Plan	FISHER
199903500	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Hatchery & Harvest Fed Caucus	GISLASON
199903700	COLUMBIA CASCADE	OKANAGON	Salmon Cr Flow/Hab Survey	HERMESTON
199904100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Use Nutrient Spawning Salmon	HERMESTON

Project Number	Province	Subbasin	Title	Project Manager
199904300	BLUE MOUNTAIN	GRANDE RONDE	Union Co Tech Engineer Assist	DEHERRERA
199904900	BLUE MOUNTAIN	GRANDE RONDE	Grande Ronde Gauge Monitoring	DEHERRERA
199906200	BLUE MOUNTAIN	GRANDE RONDE	G Ronde Union SWCD Riparian	DEHERRERA
199906400	BLUE MOUNTAIN	GRANDE RONDE	Alpine Meadows Trout Cr Rest	DEHERRERA
199906600	LOWER COLUMBIA	WILLAMETTE	Mult Channel Rip Hab Restore	MORSE
199907000	BLUE MOUNTAIN	GRANDE RONDE	Wallowa County Gauging Station	DEHERRERA
199907400	BLUE MOUNTAIN	GRANDE RONDE	Little Fly Meadow Headcut Reha	WELCH
199907500	COLUMBIA CASCADE	OKANAGON	Salmon Cr Fish Barrier Removal	HERMESTON
199907600	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Analytical Model Support-NMFS	GEISELMAN
199907800	BLUE MOUNTAIN	GRANDE RONDE	Crow Cr Star Thistle Containme	DEHERRERA
199907900	BLUE MOUNTAIN	GRANDE RONDE	Beaver Creek Fish Passage	DEHERRERA
199908800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Water Right Acquisition Progra	FUREY
200000100	COLUMBIA CASCADE	OKANAGON	Anadromous Fish Habitat & Pass	WILCOX
200000200	COLUMBIA CASCADE	WENATCHEE	Remove Barrier/Restore Habitat	YERXA
200000400	MOUNTAIN COLUMBIA	KOOTENAI	Protect Wigwam R Bull Trout-Ko	MORINAKA
200000500	MOUNTAIN SNAKE	SALMON	Protect Bear Valley Spawn Hab	MCCLINTOCK
200000600	COLUMBIA PLATEAU	TUCANNON	Training Support To NRCS	SHAW
200000700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Infrastructure For Fda Registr	MORINAKA
200000900	MIDDLE SNAKE	MALHEUR	Logan Valley Wildlife Mitigati	DEHERRERA
200001000	COLUMBIA GORGE	KLICKITAT	Klickitat R Sub Basin Review	BYRNES
200001100	COLUMBIA PLATEAU	YAKIMA	Rock Cr WS Assess/Restoration	WILCOX
200001200	LOWER COLUMBIA	COLUMBIA LOWER	Eval Factors Limiting Col R Ch	DOCHERTY
200001300	COLUMBIA CASCADE	OKANAGON	Eval Reintroduction Of Sockeye	HERMESTON
200001400	LOWER COLUMBIA	LEWIS	Evaluate Lamprey Habitat/Popul	DOCHERTY
200001500	COLUMBIA PLATEAU	JOHN DAY	Oxbow Ranch Management	BAUGHER
200001600	LOWER COLUMBIA	WILLAMETTE	Tualatin River National Wildli	CRAIG
200001700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Recondition Wild Steelhead Kel	NOICE
200001800	INTERMOUNTAIN	COLUMBIA UPPER	Lake Roosevelt Kokanee Net Pen	BAESLER
200001900	COLUMBIA PLATEAU	TUCANNON	Tucannon River Spring Chinook	LOFY
200002000	BLUE MOUNTAIN	GRANDE RONDE	WI Mitigation Sites Oregon, We	DEHERRERA
200002100	BLUE MOUNTAIN	GRANDE RONDE	Ladd Marsh	DEHERRERA
200002300	COLUMBIA GORGE	COLUMBIA GORGE	Wildlife Mitigation Sites Oreg	CRAIG
200002500	COLUMBIA GORGE	COLUMBIA GORGE	Eagle Lakes Ranch Acquisition	DEHERRERA
200002600	COLUMBIA PLATEAU	WALLA WALLA	Rainwater Wildlife Area Operat	DEHERRERA
200002700	MIDDLE SNAKE	MALHEUR	Acquisition Of Malheur Wildlif	DEHERRERA

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200002800	MOUNTAIN SNAKE	CLEARWATER	Eval Pacific Lamprey In Clearw	DOCHERTY
200002900	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Larval Pacific/River&Western B	DOCHERTY
200003100	COLUMBIA PLATEAU	JOHN DAY	Enhance North Fork John Day Ri	BAUGHER
200003300	COLUMBIA PLATEAU	WALLA WALLA	Walla Walla River Fish Passage	BRANUM
200003400	MOUNTAIN SNAKE	CLEARWATER	Protect N Lochsa Face Analysis	KEEN
200003500	MOUNTAIN SNAKE	CLEARWATER	Rehabilitate Newsome Creek - S	KEEN
200003600	MOUNTAIN SNAKE	CLEARWATER	Protect And Restore Mill Creek	KEEN
200003800	COLUMBIA PLATEAU	WALLA WALLA	NEOH WW Hatchery Design & Cons	MARCOTTE
200003900	COLUMBIA PLATEAU	WALLA WALLA	Walla Walla River Basin Monito	ZELINSKY
200004100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	BPA Technical Support	GEISELMAN
200004800	COLUMBIA PLATEAU	YAKIMA	Benthic Index Biotic Integrity	BYRNES
200004900	COLUMBIA PLATEAU	JOHN DAY	Diet, History of N Mercedis	THOMS
200005000	BLUE MOUNTAIN	GRANDE RONDE	Riparian Recovery:Plant Succes	BAESLER
200005100	BLUE MOUNTAIN	GRANDE RONDE	Research/Eval NE Oregon Sream	BAESLER
200005101	BLUE MOUNTAIN	GRANDE RONDE	Research Stream Restoration UO	BAESLER
200005200	COLUMBIA PLATEAU	JOHN DAY	Upstream Migration Lampray JDR	DOCHERTY
200005500	MOUNTAIN SNAKE	SALMON	NPT Law Enforcement	RALSTON
200005600	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Law Enforcement Anadromous Sal	RALSTON
200005700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Eval Hydraulic Turbulence	FODREA
200005800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Supersaturated Water Effects	SKIDMORE
200006800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Cottonwood Ecosystem Flow Effe	MORSE
200007000	BLUE MOUNTAIN	GRANDE RONDE	Grande Ronde River Fence USFS	DEHERRERA
200007100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Analyze Salmonid Domestication	RALSTON
200007200	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Heritability of Disease Resist	DOCHERTY
200007300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Subbasin Assessments	THOMS
200007402	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Baseline Key Ecological Functi	RALSTON
200007500	BLUE MOUNTAIN	GRANDE RONDE	Lostine River Passage	MILLER
200007600	COLUMBIA RIVER ESTUARY	COLUMBIA ESTUARY	Tech Support Kintama Research	RUGER
200007900	MIDDLE SNAKE	OWYHEE	Assess Res Fish Owyhee DVIR	WELCH
200008000	COLUMBIA RIVER ESTUARY	COLUMBIA ESTUARY	Pacific Ocean Salmon Tracking	RUGER
200100100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Implementation Pln Development	FISHER
200100300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Adult Pit Detector Installatio	FODREA
200100400	COLUMBIA PLATEAU	JOHN DAY	Holliday Conservation Easement	DEHERRERA
200100500	SYSTEMWIDE	SYSTEMWIDE PROJECTS	GIS for Subbasin Assessment	PANSKY
200100700	LOWER COLUMBIA	COLUMBIA LOWER	Eval Live Capture Harvest-F&W	SKIDMORE

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200100800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Genetic Sex Chin Salmon Col R	DOCHERTY
200101000	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Induced Turbulence Assist Salm	FODREA
200101100	COLUMBIA PLATEAU	UMATILLA	Habitat Diversity Alluvial Riv	LOFY
200101200	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Restoration & Recovery Methods	ZELINSKY
200101300	MOUNTAIN COLUMBIA	KOOTENAI	Benthic Periphyton Invertebrat	CRAIG
200101400	MOUNTAIN SNAKE	CLEARWATER	Aquatic Habitat Satellite Imag	RALSTON
200101500	COLUMBIA PLATEAU	UMATILLA	Echo Meadow Recharge Rivers	LOFY
200101600	COLUMBIA GORGE	FIFTEENMILE	Fifteen Mile Water Acquisition	BAUGHER
200102000	COLUMBIA GORGE	FIFTEENMILE	15 Mile Cr Riparian Fence/Surv	BAUGHER
200102100	COLUMBIA GORGE	FIFTEENMILE	15 Mile Creek Riparian Buffers	SWAN
200102200	COLUMBIA GORGE	FIFTEENMILE	15 Mile Cr Orchard Pesticide	BRANUM
200102300	COLUMBIA GORGE	FIFTEENMILE	15 Mile Cr Water Acquisition	BAUGHER
200102400	COLUMBIA GORGE	KLICKITAT	Salmon & Steelhead Exertion	BYRNES
200102500	COLUMBIA GORGE	BIG WHITE SALMON	Rattlesnake Cr Salmonid Prod	BAUGHER
200102600	COLUMBIA GORGE	COLUMBIA GORGE	Coastal Cutthroat Trout Columb	SKIDMORE
200102700	COLUMBIA GORGE	COLUMBIA GORGE	Western Pond Turtle Recovery	BRANUM
200102800	INTERMOUNTAIN	COLUMBIA UPPER	Banks Lake Fishery Evaluation	MORINAKA
200102900	INTERMOUNTAIN	COLUMBIA UPPER	Ford Hatchery Improvement O&M	BAESLER
200103000	INTERMOUNTAIN	COLUMBIA UPPER	Sharp Tailed Grouse Habitat	DEHERRERA
200103100	INTERMOUNTAIN	COLUMBIA UPPER	Resident Fish Symposium	CRAIG
200103200	INTERMOUNTAIN	SPOKANE	Coeur D'Alene Fisheries Enhanc	WATTS III
200103300	INTERMOUNTAIN	SPOKANE	Hangman Watershed Coeur D'Alen	WATTS III
200103400	INTERMOUNTAIN	COLUMBIA UPPER	Forage & Mule Deer Conditions	DEHERRERA
200104101	COLUMBIA PLATEAU	JOHN DAY	Forrest Ranch Management	BAUGHER
200104600	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Applied Fish Science Center	BAESLER
200104700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Reintro Success of Steelhead	BAESLER
200104800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Ecosystem Diagnosis Model	GEISELMAN
200104900	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Safety Net Coordinator	GISLASON
200105000	COLUMBIA GORGE	BIG WHITE SALMON	White Salmon R WS Enhancement	BAUGHER
200105300	LOWER COLUMBIA	COLUMBIA LOWER	Reintro Of Chum In Duncan Cr	ZELINSKY
198810804	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Salmonid Response To Fertiliza	LOFY
200107000	SYSTEMWIDE	SYSTEMWIDE PROJECTS	EDT Model Evaluation	GEISELMAN
200107400	SYSTEMWIDE	SYSTEMWIDE PROJECTS	NPPC Regional Data Needs	PICCININNI
200107700	COLUMBIA PLATEAU	JOHN DAY	Holiday Ranch Conserv Easement	BAUGHER
200107800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	EDT Validation - USF&WS	GEISELMAN

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200107900	SYSTEMWIDE	SYSTEMWIDE PROJECTS	WA DOE Water Transactions	DALEY
200200100	COLUMBIA CASCADE	OKANAGON	CCT Ellisford Acclimation	HERMESTON
200200200	MOUNTAIN COLUMBIA	KOOTENAI	Enhance White Sturgeon Habitat	CRAIG
200200300	MOUNTAIN COLUMBIA	FLATHEAD	Secure & Restore F&W Habitat	DEHERRERA
200200400	MOUNTAIN SNAKE	SALMON	Safety-Net Art Propagation Pr	GISLASON
200200600	COLUMBIA PLATEAU	SNAKE LOWER	Bull Trout Movement:Tucannon	BEATY
200200700	MOUNTAIN COLUMBIA	BLACKFOOT	Restore Bull Trout Habitat	MORINAKA
200200800	MOUNTAIN COLUMBIA	KOOTENAI	Reconnect Floodplain KootenaiR	CRAIG
200200900	INTERMOUNTAIN	PEND OREILLE	Lake Pend Orielle Predation	CRAIG
200201000	INTERMOUNTAIN	PEND OREILLE	Acquire & Conserve Trestle Cr	CRAIG
200201100	MOUNTAIN COLUMBIA	KOOTENAI	L. Kootenai Floodplain Assess.	CRAIG
200201200	LOWER COLUMBIA	COLUMBIA LOWER	Lower Columbia Habitat Mapping	WILCOX
200201301	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Water Entity (RPA 151) NWPPC	FUREY
200201400	COLUMBIA PLATEAU	YAKIMA	Sunnyside Wildlife Mitigation	DEHERRERA
200201500	COLUMBIA PLATEAU	JOHN DAY	Watershed Council Sherman Co	SWAN
200201600	COLUMBIA PLATEAU	DESCHUTES	Lamprey Abundance	DOCHERTY
200201700	COLUMBIA PLATEAU	JOHN DAY	Stream Conditions Evaluation	BEATY
200201800	COLUMBIA PLATEAU	YAKIMA	Restore Tapteal Bend Riparian	MCLOUD
200201900	COLUMBIA PLATEAU	DESCHUTES	Wasco Riparian Buffers	SWAN
200202000	COLUMBIA PLATEAU	WALLA WALLA	Huntsville Mill Fish Screen	LOFY
200202100	COLUMBIA PLATEAU	YAKIMA	Reduce Teanaway Water Temps	PICCININNI
200202200	COLUMBIA PLATEAU	YAKIMA	Big Creek Passage & Screening	MARCOTTE
200202300	COLUMBIA PLATEAU	YAKIMA	Wilson Cr Snowden Acquisition	DEHERRERA
200202400	COLUMBIA PLATEAU	YAKIMA	Secure Salmonid Spawning Habit	BYRNES
200202501	COLUMBIA PLATEAU	YAKIMA	Yakima Tributary Access & Habi	MARCOTTE
200202600	COLUMBIA PLATEAU	UMATILLA	Morrow County Riparian Buffers	SWAN
200202700	COLUMBIA PLATEAU	SNAKE LOWER	Hydrodynamics & Water Quality	PICCININNI
200202800	COLUMBIA PLATEAU	COLUMBIA LOWER MIDDLE	OWEB Watershed Assessments	BAUGHER
200202900	COLUMBIA PLATEAU	YAKIMA	Fish Passage on WDFW Land	MCCLINTOCK
200203000	COLUMBIA PLATEAU	UMATILLA	Salmonid Progeny Markers	LOFY
200203100	COLUMBIA PLATEAU	YAKIMA	Spring Chinook Growth Modulati	DOCHERTY
200203200	COLUMBIA PLATEAU	SNAKE LOWER	Fall Chin Passage Lower Granit	DOCHERTY
200203300	COLUMBIA PLATEAU	JOHN DAY	John Day Recovery Monitoring	BEATY
200203400	COLUMBIA PLATEAU	JOHN DAY	Wheeler Co Riparian Buffers	SWAN
200203500	COLUMBIA PLATEAU	JOHN DAY	Gilliam Co Riparian Buffers	SWAN

Project Number	Province	Subbasin	Title	Project Manager
200203600	COLUMBIA PLATEAU	WALLA WALLA	Restore Walla Walla River Flow	ZELINSKY
200203700	COLUMBIA PLATEAU	UMATILLA	Freshwater Mussels In River	DOCHERTY
200203800	COLUMBIA PLATEAU	YAKIMA	Acquire Yakima Basin Habitat	WILCOX
200203900	MOUNTAIN COLUMBIA	KOOTENAI	Restore Smith Cr In Idaho	CRAIG
200204000	MOUNTAIN SNAKE	CLEARWATER	Bear To Fishing Crk Spawn/Rear	KEEN
200204200	MOUNTAIN COLUMBIA	FLATHEAD	Weaver/Mc Winegar Slough	DEHERRERA
200204300	INTERMOUNTAIN	PEND OREILLE	Genetic Bull/Westslope Trout	MORINAKA
200204400	MOUNTAIN COLUMBIA	KOOTENAI	Purchase Fisher R Conservation	MORINAKA
200204500	INTERMOUNTAIN	COEUR D'ALENE	Coeur d'Alene Fish Habitat Acq	WATTS III
200204700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Artificial Production Review	LOFY
200204800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	BiOp Implementation Planning	RICCI
200204900	MOUNTAIN SNAKE	SALMON	Eval Precision Bias Chinook	RALSTON
200205000	BLUE MOUNTAIN	ASOTIN	Riparian Buffer Couse/Ten Mile	WELCH
200205100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Sub Basin Planning	MORELAND
200205201	COLUMBIA PLATEAU	YAKIMA	Naches R Intake Screen (NWPPC)	BYRNES
200205300	BLUE MOUNTAIN	ASOTIN	Assess Salmonids Asotin Cr WS	RALSTON
200205400	BLUE MOUNTAIN	ASOTIN	Protect & Restore Asotin Cr WS	WELCH
200205500	BLUE MOUNTAIN	GRANDE RONDE	Oregon Plan Fish Screen/Passag	DEHERRERA
200205600	BLUE MOUNTAIN	IMNAHA	Steelhead Status Monitoring	RALSTON
200205700	COLUMBIA PLATEAU	UMATILLA	Westland Ramos Passage Habitat	MCCLLOUD
200205800	MOUNTAIN SNAKE	SALMON	Scarrow Property Conserv Easem	KEEN
200205900	MOUNTAIN SNAKE	SALMON	Yankee Fork Salmon R Restorati	CARTER
200206000	MOUNTAIN SNAKE	CLEARWATER	Nez Perce Harvest Monitoring	RALSTON
200206100	MOUNTAIN SNAKE	CLEARWATER	Restore Potlatch R Watershed	KEEN
200206200	MOUNTAIN SNAKE	SALMON	Chinook Return Quantification	RALSTON
200206300	MOUNTAIN SNAKE	SALMON	Pahsimeroi Holistic Restoratio	MCCLINTOCK
200206400	MOUNTAIN SNAKE	SALMON	Lemhi Holistic Restoration	MCCLINTOCK
200206500	MOUNTAIN SNAKE	SALMON	East Fork Holistic Restoration	MCCLINTOCK
200206600	MOUNTAIN SNAKE	SALMON	Middle Salmon-Panther Holistic	MCCLINTOCK
200206700	MOUNTAIN SNAKE	SALMON	Upper Salmon Holistic Restorat	MCCLINTOCK
200206800	MOUNTAIN SNAKE	CLEARWATER	Evaluate Nez PT Stream Habitat	BEATY
200206900	MOUNTAIN SNAKE	SALMON	Protect & Restore Little Salmo	KEEN
200207000	MOUNTAIN SNAKE	CLEARWATER	Lapwai Cr Anadromous Habitat	KEEN
200207100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Comprehensive Marking Plan	SKIDMORE
200207200	MOUNTAIN SNAKE	CLEARWATER	Protect & Restore Red River WS	KEEN

Project Number	Province	Subbasin	Title	Project Manager
200207300	BLUE MOUNTAIN	GRANDE RONDE	Wallowa Culvert Inventory	WELCH
200207400	MOUNTAIN SNAKE	CLEARWATER	Restore Crooked Fork Creek	KEEN
200207500	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Technical Recovery Team (TRT)	FUREY
200207600	COLUMBIA RIVER ESTUARY	COLUMBIA ESTUARY	Protect Lower Columbia Estuary	WILCOX
200207800	BLUE MOUNTAIN	SNAKE HELLS CANYON	Snake River Hyporheic Study	NOICE
200300100	COLUMBIA PLATEAU	YAKIMA	Manastash Cr Fish Passage/Scre	MARCOTTE
200300200	SYSTEMWIDE	SYSTEMWIDE PROJECTS	RM&E Unallocated Placeholder	AUSTIN
200300300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Effective Restoration Projects	WILCOX
200300400	SYSTEMWIDE	SYSTEMWIDE PROJECTS	RFS Placeholder-Eval Hatch Eff	GISLASON
200300500	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Hatchery & Genetics Mgmt Plan	LOFY
200300600	COLUMBIA RIVER ESTUARY	COLUMBIA ESTUARY	Effect Monitor Chinook R Est R	WILCOX
200300700	COLUMBIA RIVER ESTUARY	COLUMBIA ESTUARY	Lwr Col River/Est Eco Monitor	WILCOX
200300800	COLUMBIA RIVER ESTUARY	COLUMBIA ESTUARY	Pres/Restore Col R/Est Willapa	BAUGHER
200300900	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Canada-USA Shelf Sal Surv Stdy	RICCI
200301000	COLUMBIA RIVER ESTUARY	COLUMBIA ESTUARY	Historic Hab Food Web Link Sal	ZELINSKY
200301100	COLUMBIA RIVER ESTUARY	COLUMBIA ESTUARY	Columbia R/Estuary Habitat	ZELINSKY
200301200	LOWER COLUMBIA	COLUMBIA LOWER	Shillapoo Wildlife Area	DEHERRERA
200301300	COLUMBIA RIVER ESTUARY	GRAYS	Grays River Watershed Assess	WILCOX
200301400	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Spatial Scales of Hatch Suppl	AFFETT
200301500	COLUMBIA RIVER ESTUARY	COLUMBIA ESTUARY	Blind Slough Restoration	WILCOX
200301600	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Pilot Study Land Use/Cover	AFFETT
200301700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Integrated Status/Effect Progr	BEATY
200301800	MOUNTAIN SNAKE	CLEARWATER	Nez Perce R Terrestrial	DEHERRERA
200301900	MOUNTAIN SNAKE	SALMON	Lwr Salmon R Protection/Enhanc	DEHERRERA
200302000	COLUMBIA CASCADE	ENTIAT	Hanan-Detwiler Passage Improv	ZELINSKY
200302100	COLUMBIA CASCADE	WENATCHEE	Fish Passage/Screening Wen/Ent	ZELINSKY
200302200	COLUMBIA CASCADE	OKANAGON	Monitor/Eval Okanogan Basin Pr	BRANUM
200302300	COLUMBIA CASCADE	OKANAGON	Chief Joseph Dam Hatchery	HERMESTON
200302400	UPPER SNAKE	SNAKE UPPER	Shoshone-Bannock Tr Fish Produ	AFFETT
200302500	UPPER SNAKE	SNAKE HEADWATERS	Yellowstone Cutthroat Trout	AFFETT
200302600	MIDDLE SNAKE	OWYHEE	Inven/Eval Duck Valley Reserva	AFFETT
200302700	MIDDLE SNAKE	SNAKE LOWER MIDDLE	White Sturgeon Oxbow/Hells Can	AFFETT
200302800	MIDDLE SNAKE	BOISE	Mit of Boise Payette Weiser Su	AFFETT
200302900	MIDDLE SNAKE	MALHEUR	Assess Upper Malheur Above Beu	AFFETT
200303000	MOUNTAIN SNAKE	CLEARWATER	Lwr Clearwater Hab Enhance Pro	DEHERRERA



Project Number	Province	Subbasin	Title	Project Manager
200303100	BLUE MOUNTAIN	GRANDE RONDE	Precious Lands Wldlf Hab Expan	DEHERRERA
200303200	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Project Effectiveness Anadro S	AFFETT
200303300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Use of Pesticides on Salmonids	AFFETT
200303400	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Captive Rearing for Steel/Coho	AFFETT
200303500	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Transfer IHN Gen Typing Tech	AFFETT
200303600	SYSTEMWIDE	SYSTEMWIDE PROJECTS	CBFWA Monitor/Eval Program	YERXA
200303700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Influence of Hatcheries/Produc	AFFETT
200303800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Eval Restor of Snake R Chinook	MCCLLOUD
200303900	COLUMBIA CASCADE	WENATCHEE	Monitor Repro in Wenat/Tuc/Kal	MCCLLOUD
200304000	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Est Salmonid Using Micro Acous	AFFETT
200304100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Eval Salmon Thru Snake R Dams	YERXA
200304200	SYSTEMWIDE	SYSTEMWIDE PROJECTS	NWFSC Salmon Data Mgt/Analysis	AFFETT
200304300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	RFS Placeholder-Eval Effect of	GISLASON
200304400	COLUMBIA CASCADE	WENATCHEE	Monitor/Eval Influence of Hypo	AFFETT
200304500	COLUMBIA RIVER ESTUARY	COLUMBIA ESTUARY	Opt of FCRPS Impacts on Salmon	WILCOX
200304600	COLUMBIA RIVER ESTUARY	COLUMBIA ESTUARY	Monitor Coweeman R Salmonid	AFFETT
200304700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Data Management Placeholder	PICCININNI
200304900	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Repro Success of Steelhead Des	AFFETT
200305000	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Eval of Reprod of Steelhead	NOICE
200305100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Repro Success of Chinook Salmo	AFFETT
200305200	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Repro Success of Kelt Steelhea	AFFETT
200305300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Repro Success of Recondi Kelt	AFFETT
200305400	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Repro of Steelhead in Hood Riv	NOICE
200305500	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Reprod Success of Spawners Chi	AFFETT
200305600	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Reprod Success Chum in CR	AFFETT
200305700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Eval Efficacy of Steelhead Kel	AFFETT
200305800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Eval Risks of Reform Actions H	NOICE
200305900	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Reprod Success of Chinook	AFFETT
200306000	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Eval Repro Success Snake Rvr C	NOICE
200306100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Effect of Hatchery Reform on E	AFFETT
200306200	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Eval Repro Success Kelt Steel	NOICE
200306300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Repro Success Abernathy Creek	NOICE
200306400	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Habitat Monitoring and Restora	AFFETT
200306500	COLUMBIA GORGE	COLUMBIA GORGE	Bull Trout in Bonneville Reser	MORINAKA
200306600	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Studies of Delayed Mortality	AFFETT

Project Number	Province	Subbasin	Title	Project Manager
200306700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Harvest Model Development	AFFETT
200306800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Independent Econ Analysis Brd	AFFETT
200306900	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Habitats for Juv Pac Lamprey	AFFETT
200307000	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Systemwide Lamprey Prog Coord	AFFETT
200307100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Eval Lamprey in Willamette Rvr	AFFETT
200307200	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Biodiversity Syst for Columbia	AFFETT
200307300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Floating Net Pen Trans System	AFFETT
200307400	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Gas Supersaturation on Aquatic	AFFETT
200307500	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Chinook Propagation Programs	AFFETT
200307600	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Eval Hatchery and Wild Juv Sa	AFFETT
200307700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Inventory & Synthesis Process	AFFETT
200307800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Eval Mark Selective Fisheries	AFFETT
200307900	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Eval Marking & Tagging Systems	AFFETT
200308000	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Habitat Mitigation Tracking	AFFETT
200308100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Fish Passage and Turbine Op	AFFETT
200308200	SYSTEMWIDE	SYSTEMWIDE PROJECTS	FCRPS Impacts on Juv Salmonids	AFFETT
200308300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	On-Line Subbasin Plan Newsltr	AFFETT
200308400	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Eval While Sturgeon Nutrition	AFFETT
200308500	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Eval Salmon at Chief Joseph Da	AFFETT
200308600	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Tagging Study Tech Committee	AFFETT
200308700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Reducing Predation of Salmonid	AFFETT
200308800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Fish Behavioral Guidance	AFFETT
200308900	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Pit Tag Tech in Upper Cowlitz	AFFETT
200309000	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Stranding Chinook in Hanford R	AFFETT
200309100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Domestication Selection of Chi	AFFETT
200309200	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Model to Predict Total Dis Gas	AFFETT
200309300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Post Survival of Chinook in Sp	AFFETT
200309400	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Prey Avail of Sturgeon in Col	AFFETT
200309500	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Adaptive Mgt of White Sturgeon	AFFETT
200309600	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Contaminants on Sturgeon in Co	AFFETT
200309700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Modeling Sys of Alternative Ac	AFFETT
200309800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Steelhead Suppl in W Fork Eloc	AFFETT
200309900	SYSTEMWIDE	SYSTEMWIDE PROJECTS	UW Hab and Fish Survival Monit	AFFETT
200310000	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Multi Agency Conserv Enforceme	AFFETT
200310100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Enhance F&W Res of Colville Tr	AFFETT

Project Number	Province	Subbasin	Title	Project Manager
200310200	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Reintroduce Fishwheels to Col	AFFETT
200310300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Public Watershed Planning	AFFETT
200310400	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Fish Pathogen in Abernathy Crk	AFFETT
200310500	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Dev Human Res for Co Mgt Respo	AFFETT
200310600	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Hab Condition of Col R Flood P	AFFETT
200310700	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Eval of Salmonid Growth	AFFETT
200310800	SYSTEMWIDE	SYSTEMWIDE PROJECTS	White Sturgeon Iridovirus	AFFETT
200310900	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Instream Eval of Natural Salmo	AFFETT
200311000	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Prophylactic Treatment of W St	AFFETT
200311100	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Riparian Cottonwood Ecosys Col	AFFETT
200311200	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Fish Pathogen in Hatchery Wtr	AFFETT
200311300	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Fish Counting Protocols	PICCININNI
200311400	SYSTEMWIDE	SYSTEMWIDE PROJECTS	Acoustic Tracking for Survival	WILCOX
200400000	FISH & WILDLIFE	COLUMBIA BASIN F&W PROGRAM	Available Contract Funds	AFFETT

## FY 2005 staff recommended draft (07/6/04)

## Mainstem/Systemwide

## Expense

Project ID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comment
198201301	Coded Wire Tag - PSMFC	SYSTEMWIDE	PSMFC	\$ 2,028,757	
198201302	Coded Wire Tag - ODFW	SYSTEMWIDE	ODFW	\$ 217,881	
198201304	Coded Wire Tag - WDFW	SYSTEMWIDE	WDFW	\$ 319,137	
198712700	Smolt Monitoring By Non-Feder	SYSTEMWIDE	PSMFC	\$ 2,239,743	Need to link to NPT smolt monitoring project. Budget adjustment by Council in (2/04), Includes pit tag costs.
198201303	Coded Wire Tag - USFWS	SYSTEMWIDE	USFWS	\$ 119,268	
199007700	Dev of Sytemwide Pred Control	SYSTEMWIDE	PSMFC	\$ 2,050,000	
199008000	Columbia Basin Pit-Tag Informa	SYSTEMWIDE	PSMFC	\$ 2,431,442	
199302900	Survival Est For Passage Throu	SYSTEMWIDE	NMFS	\$ 1,884,200	Proj may save 70k in 2005. Current project includes costs of tags.
199305600	Demonstration Of Captive Salmo	SYSTEMWIDE	NMFS	\$ 1,468,100	Issue 12. Project held at this funding level until issue 12 is resolved.
199403300	Fish Passage Center	SYSTEMWIDE	PSMFC	\$ 1,302,904	Sponsor requests increase, recommend level funding consistent with all similar requests.
199606700	Manchester Spring Chinook Capt	SYSTEMWIDE	NMFS	\$ 792,000	Issue 12. Project held at this funding level until issue 12 is resolved.
198810804	Streamnet (Cis/Ned)	SYSTEMWIDE	PSMFC	\$ 2,315,033	Increase to cover hydrosite database.
198906201	Annual Work Plan CBFWA	SYSTEMWIDE	CBFWA	\$ 1,932,700	Sponsor requested \$500 k additional in 2004, to become part of three year recommendation. Council recommended this amount in June, 2004. Includes \$187K for HEP per Jun 04 Council Decision
199105100	M&E Statistical Support For Li	SYSTEMWIDE	UW	\$ 394,655	
199601900	Second-Tier Database Support	SYSTEMWIDE	UW	\$ 264,075	Sponsor requests increase for office lease.
199600500	ISAB	SYSTEMWIDE	NPCC	\$ 550,000	
199702300	Independent Scientific Review	SYSTEMWIDE	NPCC	\$ 500,000	
200301700	Integrated Status/Effect Progr	SYSTEMWIDE	NMFS	\$ 1,515,000	Slow start in 2004 (proposal 35019).
200303600	CBFWA Monitor/Eval Program	SYSTEMWIDE	CBFWA	\$ 968,802	Ok
198331900	New Marking & Monitoring Tech	SYSTEMWIDE	NMFS	\$ 770,000	
198909600	Genetic M&E Prog For Sal/Steel	SYSTEMWIDE	NMFS	\$ 460,500	Potential FY 2004 savings.
199009300	Genetic Analyses Of Oncorhynch	SYSTEMWIDE	UI	\$ 126,000	Potential FY 2004 savings. Work delayed, may have to realign into 2007. Issue 12. Project held at this funding level until issue 12 is resolved. Decision due in August.
199602000	Pit Tagging Spring/Summer Chin	SYSTEMWIDE	PSMFC/CBFWF	\$ 828,535	Recommend level funding.

## FY 2005 staff recommended draft (07/6/04)

## Mainstem/Systemwide

## Expense

Project ID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comment
199602100	Gas Bubble Disease Mon & Resea	SYSTEMWIDE	USGS	\$ 16,885	BPA decision to fund. May spend less in 2004(\$14k).
199900301	Salmon Spawning Below Lower Co	SYSTEMWIDE	PSMFC/ODFW/USFWS/PNNL	\$ 779,586	Recommend level funding.
200306500	Bull Trout in Bonneville Reser	COLUMBIA GORGE	WDFW/YN	\$ 305,000	Not yet contracted. Expect savings in 2004.
200001700	Recondition Wild Steelhead Kel	SYSTEMWIDE	CRITFC	\$ 400,000	From BPA decision letters.
199800401	Columbia Basin Bulletin	SYSTEMWIDE	Intermountain Communications	\$ 135,000	Current funding level from BPA decision document. Sponsor requests increase to \$150K to cover increasing subscription levels. Recommend to level fund.
200307200	Biodiversity Syst for Columbia	SYSTEMWIDE	NHI	\$ -	Still under discussion. \$90k ID's for this project included in "placeholder" for data management. See decision memo.
200304100	Eval Salmon Thru Snake R Dams	SYSTEMWIDE	NMFS	\$ 1,200,000	Will underspend in FY 2004. May need "realignment". Contract cap of 300K in 2004.
198605000	Evaluate Sturgeon Physical Hab	SYSTEMWIDE	ODFW	\$ 1,431,916	Increase of \$53,000 to cover pit tags (moved from #199008001)
199803100	Implement Wy-Kan-Ush-Mi Wa-Kis	SYSTEMWIDE	CRITFC	\$ 200,000	From BPA decision letters
200002900	Larval Pacific/River&Western B	SYSTEMWIDE	USGS, CRRL	\$ -	BPA decision to terminate. Project will close in FY 2004. 0 for FY 2005. 2004 budget is \$44,201 to close out, project will likely spend less.
200100300	Adult Pit Detector Installatio	SYSTEMWIDE	NOAA	\$ 600,000	
200201301	Water Entity (RPA 151) NWPPC	SYSTEMWIDE	NFWF	\$ 5,000,000	Former placeholder. Expect to spend \$5 million in 2005
200207500	Technical Recovery Team (TRT)	SYSTEMWIDE	NW Fisheries Science Center	\$ -	Not inc. in BPA decision letters. COE funding in 2005. No forecast for 2005 - 2006. 2004 No cost time extention may be requested but work expected to be complete by end of FY 2004.
198910700	Statistical Support For Salmon	SYSTEMWIDE	U of W	\$ 239,265	From BPA decision letters. Not recommended by council forecast \$239265 for 06
198907201	ISAB - Coutant	SYSTEMWIDE	Oak Ridge Natl Lab	\$ 100,000	
200104900	Safety Net Coordinator	SYSTEMWIDE	Steve Smith Fisheries Consulting	\$ -	Costs for coordinator included in link to Mountain Snake Safety Net project.
200105500	Salmonid Response To Fertiliza	SYSTEMWIDE	NOAA Fisheries	\$ 35,000	No new work per 2001 Council innovative recommendation. \$35,000 for 2005 is to close out project.
200204700	Artificial Production Review	SYSTEMWIDE	NPCC	\$ 900,000	Placeholder amount only. Need further discussion on direction for FY 2005.

## FY 2005 staff recommended draft (07/6/04)

## Mainstem/Systemwide

## Expense

Project ID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comment
200305800	Eval Risks of Reform Actions H	SYSTEMWIDE	WDFW	\$ 50,000	RFS # 10. Potential extension of 2 months if HGMP's not completed. 2005 budget for option task 4, see BPA second decision letter.
200305000	Eval of Reprod of Steelhead	SYSTEMWIDE	U of W	\$ 246,301	Formerly RFS #2
200305400	Repro of Steelhead in Hood Riv	SYSTEMWIDE	OSU	\$ 215,000	Formerly RFS #6
200306300	Repro Success Abernathy Creek	SYSTEMWIDE	USFWS	\$ 386,850	Formerly RFS # 15
200306000	Eval Repro Success Snake Rvr C	SYSTEMWIDE	WDFW	\$ 138,000	Formerly RFS #12. FY 2005 and 2006 are placeholders from BPA decision for Phase II if determined to be feasible.
200306200	Eval Repro Success Kelt Steel	SYSTEMWIDE	CRITFC	\$ 568,341	2005 should be \$568,341, consistent with Bonneville decision document for mainstem/systemside.
200311400	Acoustic Tracking for Survival	SYSTEMWIDE		\$ 200,000	May underspend in 2004
200303900	Monitor Repro in Wenat/Tuc/Kal	WENATCHEE		\$ 448,728	BPA decision to fund
199008001	PIT TAG Purchases	SYSTEMWIDE		\$ -	2 million estimate for 2005, included in project budgets
200205100	Sub Basin Planning	SYSTEMWIDE		\$ 541,083	Should not spend this in FY 2004, but in first part of FY 2005.
199702400	Avian Predation On Juvenile Sa	COLUMBIA ESTUARY	OSU	\$ 250,000	
199102900	Post-Release Survival Of Fall	COLUMBIA LOWER MIDDLE	USFWS/USGS	\$ 356,375	Moved from Plateau to M/S
200203200	Fall Chin Passage Lower Granit	SNAKE LOWER	USFWS/USGS	\$ 131,000	Realigned. Budget is based on that realignment. Moved from Plateau to M/S
200300500	HGMPs			\$ 233,000	Delays expected in HGMP completion (WDFW legal issues)
200100500	GIS for subbasin plans			\$ 250,000	
	Data Management			\$490,000.00	Toshach - \$150K, Subbasin plan aquatic data - \$250K, Terrestrial data - \$90k
200303800	Eval Restor of Snake R Chinook	SYSTEMWIDE		\$ 360,000	
<b>Total</b>				<b>\$ 41,686,062</b>	

## Capital

## FY 2005 staff recommended draft (07/6/04)

## Mainstem/Systemwide

## Expense

Project ID	Title	Subbasin	Sponsor	Staff Recommended budget (07/06/04)	Comment
Subbasin	Title	Subbasin	Sponsor	Preliminary Council recommended budget 2005 (05/27/04)	Comments (04/14/04)
199705900	OR W/L Plan And Coordination	SYSTEMWIDE PROJECTS	OMC	\$ 123,000	
200104600	Collaborative Center for Applied Science	SYSTEMWIDE PROJECTS	CRITFC	\$ 600,000	
				\$ 723,000	

## FY 2005 staff recommended draft (07/6/04)

## Province: Lower Columbia/Estuary

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comment
199107800	Burlington Bottoms Wildf Mitig	WILLAMETTE	ODFW	\$ 100,445	Ownership issue and management plan issue. Recommend level funding.
199205900	Amazon Basin/Eugene Wetlands -	WILLAMETTE	TNC	\$ 62,712	Recommend level funding.
199206800	Willamette Basin Mitigation	WILLAMETTE	ODFW	\$ 620,649	Recommend level funding.
199306000	Select Area Fishery Evaluation	COLUMBIA LOWER	WDFW/ODFW/CE DC	\$ 1,673,567	Need to provide deliverable of summary and analysis of economics and ISRP. Need to craft where project goes in the future. NEEDS REVIEW relative to recommendation. Recommend level funding - inflation adjustment removed
199607000	McKenzie Focus Watershed	WILLAMETTE	MWC	\$ 127,133	Project is coordination, meets model watershed council functions. No implementation issues. Recommend level funding.
199801400	Ocean Survival Of Salmonids	SYSTEMWIDE PROJECTS	NMFS	\$ 1,827,962	Recommend level funding.
199902500	Sandy River Delta Habitat	SANDY	USFS	\$ 902,000	Project slated for dike removal in 2005. Will dike removal take place in 2005? Could defer to 06
200001200	Eval Factors Limiting Col R Ch	COLUMBIA LOWER	USFWS	\$ 263,888	Recommend level funding.
200001400	Evaluate Lamprey Habitat/Popul	LEWIS	USFWS	\$ 204,465	Recommend level funding.
200001600	Tualatin River National Wildli	WILLAMETTE	USFWS/USGS	\$ 91,000	
200105300	Reintro Of Chum In Duncan Cr	COLUMBIA LOWER	PSMFC/WDFW	\$ 294,949	Project needs to stay within approved scope as outlined in original Council decision.
200201200	Lower Columbia Habitat Mapping	COLUMBIA LOWER	LCREP	\$ -	Project will complete in 2004. Expect one-month accrual in 2004.
200207600	Protect Lower Columbia Estuary	COLUMBIA ESTUARY		\$ -	Project complete.
200300600	Effect Monitor Chinook R Est R	COLUMBIA ESTUARY		\$ 80,000	Ok
200300700	Lwr Col River/Est Eco Monitor	COLUMBIA ESTUARY	LCREP	\$ 800,000	Project has been realigned for second year. Year two of implementation.
200300800	Pres/Restore Col R/Est Willapa	COLUMBIA ESTUARY	USFWS/CLT/USGS	\$ 30,000	Approved as a fish habitat acquisition. If funds for wildlife monitoring are desired, a within year request for scope/budget adjustment should be requested.
200301000	Historic Hab Food Web Link Sal	COLUMBIA ESTUARY	NMFS	\$ 606,000	Project started in June of last year. OK.



**FY 2005 staff recommended draft (07/6/04)****Province: Lower Columbia/Estuary****Expense**

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/06/04)	Comment
200301100	Columbia R/Estuary Habitat	COLUMBIA ESTUARY	LCREP/CREST	\$ 1,000,000	Ok. Recommend level funding.
200301200	Shillapoo Wildlife Area	COLUMBIA LOWER	WDFW	\$ 253,430	Recommend level funding.
200301300	Grays River Watershed Assess	GRAYS	LCFRB/PSMFC/PN NL	\$ 325,348	Shift of one year. Project realigned, now in year two of implementation.
200301500	Blind Slough Restoration	COLUMBIA ESTUARY	CREST	\$ 77,550	Original council recommendation = \$173,550. Project will use \$96k in 2004, remaining \$77,550 to be used in 2005.
<b>Total</b>				<b>\$ 9,341,098</b>	

**Capital**

ProjectID	Title	Subbasin	Sponsor	Preliminary Council budget 2005 (05/27/04)	Comment
199205900	Amazon Basin/Eugene Wetlands -	WILLAMETTE	TNC	\$ -	Possible capital acquisition in 2004.
199206800	Willamette Basin Mitigation	WILLAMETTE	ODFW	\$ 350,000	Possible capital acquisition in 2004.
<b>Total</b>				<b>\$ 350,000</b>	

## Province: Intermountain

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comment
198503800	Colville Hatchery	COLUMBIA UPPER	CCT	870,580	Recommend level funding. Sponsor requests new roof, truck (\$150K), and power cost increases.
199001800	Rainbow Tr Hab/Pass Impr Prog	SANPOIL	CCT	268,500	Planning and implementation project for passage. Moves from implementation phase in 2004, back to planning and design in 2005. Realignment.
199004400	Coeur D'Alene Reservation Habi	COEUR D'ALENE	CDA Tribe	1,197,873	Recommend level funding.
199004401	Lake Creek Land Acquisition	COEUR D'ALENE	CDA Tribe	160,020	
199104600	Spokane Tribal (Galbr Sprgs) H	COLUMBIA UPPER	STOI	536,000	Recommend level funding.
199104700	Sherman Creek Hatchery - O&M	COLUMBIA UPPER	WDFW	223,493	Recommend level funding.
199106000	Pend Oreille Wetlands Acquisit	PEND OREILLE	KNRD	99,250	
199204800	Hellsgate Big Game Winter Rang	SANPOIL	CCT	460,000	Recommend level funding.
199206100	Pend Oreille Wetlands (IDFG)	PEND OREILLE		1,056,059	Council adjusted this budget in 2004. Need to line up costs with management plan. No increase recommended at this time.
199404300	Lake Roosevelt Data Collection	COLUMBIA UPPER	STOI	950,000	M&E for all hatchery programs. Model not complete.
199404700	Lake Pend Oreille Kokanee Miti	PEND OREILLE	IDFG	526,511	Management Plan to be developed after model complete.
199500100	Kalispel Tribe Resident Fish P	PEND OREILLE	KNRD	429,600	
199500900	Lake Roosevelt Rainbow Trout N	COLUMBIA UPPER	LRDA	114,889	
199501100	Chief Joseph Kokanee Enhanceme	SPOKANE	CCT	1,371,000	
199502700	Lake Roosevelt Sturgeon	COLUMBIA UPPER	STOI	250,000	No determination for step review. No recovery plan yet.
199502800	Assessment Of Fishery Improvem	CRAB	WDFW	222,702	Project needs review.
199700400	Resident Fish Above Chief Joe	COLUMBIA UPPER	KNRD	540,000	
199800300	Spokane Tribe Wildlife Mitiga	COLUMBIA UPPER	STOI	190,563	Hold off on new work until management plan completed. A few new costs (weed control) may be required by the County.
200102800	Banks Lake Fishery Evaluation	COLUMBIA UPPER	WDFW	419,000	Ford hatchery M&E moved here. .

## Province: Intermountain

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/06/04)	Comment
200102900	Ford Hatchery Improvement O&M	COLUMBIA UPPER	WDFW	80,375	Project currently has a FY 2004 within-year request in system. Potential for request next year to complete well. Hatcheries old and need maintenance.
200103000	Sharp Tailed Grouse Habitat	COLUMBIA UPPER	CCT	169,400	Fy05 completion date.
200103100	Resident Fish Symposium	COLUMBIA UPPER	LRF	45,000	Consider holding every other year.
200103200	Coeur D'Alene Fisheries Enhanc	SPOKANE	CDA Tribe	303,874	
200103400	Forage & Mule Deer Conditions	COLUMBIA UPPER	WDFW	250,000	Recommend level funding. Sponsor request increase to cover fuel cost increases.
200201000	Acquire & Conserve Trestle Cr	PEND OREILLE	IDFG	0	No activity for two years.
200204300	Genetic Bull/Westslope Trout	PEND OREILLE	KNRD	70,000	Contract will extends into 2005. Most of work should be complete in 2004. Check spending plan number.
<b>Total</b>				<b>\$10,804,689</b>	

## Capital

ProjectID	Title	Subbasin	Sponsor	Preliminary Council budget 2005 (05/27/04)	Comment
199106200	Blue Cr Winter Range	SPOKANE	STOI	3,000,000	Have added new lands for 2004 MOA. Will there be an agreement on level of funding for 2005?
199206100	Pend Oreille Wetlands (IDFG)	PEND OREILLE	IDFG	5,766,516	MOA
199506700	Colville Confederated Tribes P	COLUMBIA UPPER	CCT	0	MOA
200103300	Hangman Watershed Coeur D'Alen	SPOKANE	CDA Tribe	2,090,000	Management plan needs to be developed. Need proposal for basin O&M costs, including development of management plan. No restoration work until management plan is developed.
200204500	Coeur d'Alene Fish Habitat Acq	COEUR D'ALENE	CDA Tribe	6,000,000	Capital project tied into 199004401.
<b>Total</b>				<b>\$16,856,516</b>	

FY 2005 staff recommended draft (07/6/04)

Province: Columbia Cascade

**Expense**

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/06/04)	Comment
199609400	Scotch Creek Wildlife Area	OKANAGON	WDFW	289,225	Recommend level funding.
200000100	Anadromous Fish Habitat & Pass	OKANAGON	CCT	120,000	Recommend level funding. Still possible scope change for road obliteration.
200302100	Fish Passage/Screening Wen/Ent	WENATCHEE	WDFW/YSS	277,436	No Contract until 05 Realign to 05-06
200302200	Monitor/Eval Okanogan Basin Pr	OKANAGON	CCT	852,482	Contract started March 2004. Project realigned.
199604200	Restore Salmon Cr Anad Fish	OKANAGON	CCT	45,000	No additional funds recommended beyond the existing contract. Future funds dependent on favorable Step review. Expense need for NRCS contract of \$45,000 for 2005.

**Total** **1,584,143**

**Capital**

ProjectID	Title	Subbasin	Sponsor	Preliminary Council budget 2005 (05/27/04)	Comments
199604000	Coho Restoration Mid-Columbia	WENATCHEE	YN	2,288,859	Capital policy for planning and design impacts to program.
199604200	Restore Salmon Cr Anad Fish	OKANAGON	CCT	0	Performance issues, delays in EIS. Master Plan not forthcoming.
200302300	Chief Joseph Dam Hatchery	OKANAGON	CCT	575,000	Project proceeding, on pace for Master Plan. Subject to step review.

**Total** **2,863,859**

**FY 2005 staff recommended draft (07/6/04)**  
**Province: Columbia Gorge**

**Expense**

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comment
198805303	Hood River Production M&E	HOOD	CTWSRO	516,646	Program needs overall unified strategy. No new work, level funding recommended for 2005.
198805304	Hood River Production M&E	HOOD	ODFW	415,000	Program needs overall unified strategy. No new work, level funding recommended for 2005.
198805306	Hood R Prod O&M - PGE	DESCHUTES	PGE	\$161,305	Production should cease in third cell, need report to make determination future of project.
198805307	Hood R Prod O&M - WS/ODFW	HOOD	CTWSRO/ODFW	589,000	Program needs overall unified strategy. No new work, level funding recommended for 2005.
198812035	Klickitat Mgmt, Data, Habitat	KLICKITAT	YN	415,674	Amount ok.
198902900	Hood River Production - Pelton	HOOD	ODFW	0	Program needs overall unified strategy. No new work, level funding recommended for 2005.
199304000	Fifteenmile Creek Habitat Impr	FIFTEENMILE	ODFW	225,220	This project does O&M for 1000 instream structures and fencing. Have 15 year agreements. Last one terminates in 2011. Issue 2 of maintenance and keeping protection when agreements expire. Mostly O&M.
199506335	Klickitat Fishery YKFP M & E	KLICKITAT	YN	545,773	Master plan for spring and summer chinook rec'd May 04. Additional funding dependent on Step Review and approval.

FY 2005 staff recommended draft (07/6/04)

Province: Columbia Gorge

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comment
199705600	Klickitat Watershed Enhance	KLICKITAT	YN	397,414	Amount ok.
199801900	Wind River Watershed	WIND	UCD/USFS/USGS/WDFW	659,452	Four different contracts with four entities. Delay in EIS work for Hemlock dam removal. EIS to be complete in 2005.
199802100	Hood River Fish Habitat	HOOD	CTWSRO	699,626	Program needs overall unified strategy. No new work, level funding recommended for 2005.
199902400	Bull Trout Assessment Col Gorge	KLICKITAT	WDFW	159,000	
200102000	15 Mile Cr Riparian Fence/Surv	FIFTEENMILE	ODFW	152,673	Project could be complete by 2006. NO O&M in this project, only implementation.
200102100	15 Mile Creek Riparian Buffers	FIFTEENMILE	Wasco SWCD	77,884	Recommend level funding level until subbasin plan implementation
200102200	15 Mile Cr Orchard Pesticide	FIFTEENMILE	WyEast RC&D	127,058	Project reviewed in conjunction with recommendation.
200102500	Rattlesnake Cr Salmonid Prod	BIG WHITE SALMON	USGS	252,884	Recommend for 2005 only.
200102700	Western Pond Turtle Recovery	COLUMBIA GORGE	WDFW	89,000	Reviewed original recommendation.
<b>Total</b>				<b>5,483,609</b>	

FY 2005 staff recommended draft (07/6/04)

Province: Columbia Gorge

**Expense**

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comment
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**Capital**

ProjectID	Title	Subbasin	Sponsor	Preliminary Council budget 2005 (05/27/04)	
198805307	Hood River Production Program	HOOD	CTWSRO/ODFW	2,515,250	Condition to be addressed on proposed expansion, addressed through program status review and step. Review project relative to the provincial review recommendation and subbasin plan.
199506800	Klickitat Passage/Habit Design	KLICKITAT	YN	4,784,650	Master plan and step review and links to subbasin plan prior to funding of capital portion. Need master plan prior to recommendation. Possibly 198811535
<b>Total</b>				<b>7,299,900</b>	

## FY 2005 staff recommended draft (07/6/04)

Province: Mountain Columbia

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comment
198806400	Kootenai R White Sturgeon	KOOTENAI	KTOI	\$1,395,000	Should be OK for expense piece, tied into Capital project below, dependent on Step review.
198806500	Kootenai R White Sturgeon Inve	KOOTENAI	IDFG	\$951,697	Ok
199101901	Hungry Horse Mitigation/Flathe	FLATHEAD	CSKT	\$143,942	Recommend level funding.
199101903	Hungry Horse Mitigation/Habita	FLATHEAD	MFWP	\$1,715,000	Looks like work will be completed. Step review may be completed by next June. Funds dependant on favorable review.
199101904	Hungry Horse Mitigation - Koka	FLATHEAD	USFWS	\$113,168	May need to respond to water quality issue.
199404900	Kootenai River Resident Fish A	KOOTENAI	KTOI	\$1,614,000	
199500400	Libby Reservoir Mitigation Pla	KOOTENAI	MFWP	\$840,000	OK
199608701	Montana Focus Watershed Coordi	FLATHEAD	CSKT	\$75,912	Recommend level funding.
199608702	Focus Watershed Coordination i	KOOTENAI	KRN	\$100,000	
200000400	Protect Wigwam R Bull Trout-Ko	KOOTENAI	BCE	\$62,000	
200200200	Enhance White Sturgeon Habitat	KOOTENAI	KTOI	\$260,000	Behind on modeling. Realignment may be needed.
200200700	Restore Bull Trout Habitat	BLACKFOOT	TU	\$330,000	Unsure if project will be implemented in FY 05.
200200800	Reconnect Floodplain KootenaiR	KOOTENAI	KTOI	\$259,973	Accept sponsor decrease to \$ 259,973 from original Council recommendation. Realignment.



FY 2005 staff recommended draft (07/6/04)

Province: Mountain Columbia

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comment
200201100	L. Kootenai Floodplain Assess.	KOOTENAI	KTOI	\$465,548	Should be \$465,546. No operational loss assessment at this time.
200203900	Restore Smith Cr In Idaho	KOOTENAI	IDFG	\$0	No Activity for 2 years
<b>Total</b>				<b>\$8,326,240</b>	

FY 2005 staff recommended draft (07/6/04)

Province: Mountain Columbia

**Expense**

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/06/04)	Comment
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**Capital**

ProjectID	Title	Subbasin	Sponsor	Preliminary Council recommended budget 2005 (05/07/04)	Comments
198806400	Kootenai R White Sturgeon	KOOTENAI	KTOI	\$1,604,000	Dependent on Step review for 2005 implementation.
200200300	Secure & Restore F&W Habitat	FLATHEAD	CSKT	\$12,396,000	Ok
<b>Total</b>				<b>\$14,000,000</b>	

## FY 2005 staff recommended draft (07/6/04)

Province: Blue Mountain

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comment
198402500	NE Oregon Habitat Projects	GRANDE RONDE	ODFW	365,000	Project consistently underspends contract amount. Need to determine if budget reduction possible. Will landowner agreements for fencing expire soon?
199202601	Grand Ronde Model Watershed	GRANDE RONDE	GRMWP	1,343,166	Reschedule in 2004, back down to out-year level.
199202604	Life Studies Of Spring Chinook	GRANDE RONDE	ODFW	949,504	.
199401805	Asotin Enhancement/Restoration	ASOTIN	ACCD	280,214	Recommend level funding.
199608000	NE Oregon Wldf Proj (Npt)	GRANDE RONDE	NPT	426,000	Wildlife issue: Look at standardization of costs of O&M for wildlife projects.
199608300	Grand Ronde Watershed Restor	GRANDE RONDE	CTUIR	190,000	Ok.
199700900	Eval Sturgeon Pop - Snake R (L	SNAKE HELLS CANY	NPT	284,350	Ok. 2005 funds are contingent on favorable review.
199701501	Imnaha R Smolt Monitoring NPT	IMNAHA	NPT	263,246	Recommend level funding.
199800702	Grande Ronde Supp Lostine O&M	GRANDE RONDE	NPT	581,215	Recommend level funding.
199800703	Grande Ronde Supp. O&M/M&E	GRANDE RONDE	CTUIR	684,454	Link to NEOH Master Plan. Recommend level funding.

## FY 2005 staff recommended draft (07/6/04)

Province: Blue Mountain

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comment
199800704	Grande Ronde Sp Chinook-ODF&W	GRANDE RONDE	ODFW	206,048	What is the status of this project in relation to NEOH? If NEOH approved, what becomes of this project? Dependent on NEOH review and approval, budget might fold into that decision, possibly in 2006. NEOH decision in December 2004 final design in late 200
199801001	Grande Ronde Captive Brood O&M	GRANDE RONDE	ODFW	723,718	Issue 12. Project held at this funding level until issue 12 is resolved.
199801003	M&E Yearling Snake R. Fall Ch	SNAKE HELLS CANY	USFWS	52,000	Ok for 2005. Consider issues during subbasin planning implementation.
199801004	M&E Snake R. Fall Ch Spawning	SNAKE HELLS CANY	NPT	307,176	Ok
199801005	Pittsburg Landing Fall Chinook	SNAKE HELLS CANY	NPT	729,635	.
199801006	Captive Broodstock Artificial	GRANDE RONDE	NPT	175,620	Ok
200002100	Ladd Marsh	GRANDE RONDE	ODFW	48,000	Recommend level funding.
200205000	Riparian Buffer Couse/Ten Mile	ASOTIN	ACCD	241,000	2004 includes some rescheduled funds.
200205300	Assess Salmonids Asotin Cr WS	ASOTIN	WDFW	230,000	Ok.
200205400	Protect & Restore Asotin Cr WS	ASOTIN	NPT	128,400	Recommend new work to be authorized under subbasin plan implementation.

FY 2005 staff recommended draft (07/6/04)

Province: Blue Mountain

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comment
200207300	Wallowa Culvert Inventory	GRANDE RONDE	NPT	176,404	Ok
<b>Total</b>				<b>8,385,150</b>	

FY 2005 staff recommended draft (07/6/04)

Province: Blue Mountain

**Expense**

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comment
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**Capital**

ProjectID	Title	Subbasin	Sponsor	Preliminary Council recommended budget 2005 (05/07/04)	Comment
198805301	Ne Or Hatchery Master Plan - N	IMNAHA	NPT	7,267,271	Dependent upon step review, submittal soon, decision in December. More review later. Budget represents an estimate for now.
198805305	Ne Ore Outplntg Facilities Mst	GRANDE RONDE	ODFW	69,000	
200303100	Precious Lands Wldlf Hab Expan	GRANDE RONDE	NPT	0	BPA considers to be Phase 3, has not agreed to fund.
<b>Total</b>				<b>7,336,271</b>	

## FY 2005 staff recommended draft (07/6/04)

Province: Upper Snake

**Expense**

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comments
199201000	Habitat Imprvmnt/Enhnmnt - For	SNAKE UPPER	SBT	\$179,000	Recommend level funding
199505700	S Idaho Wildlife Mitigation	SNAKE UPPER	IDFG/IOSC	\$297,275	Management plan needs to be developed. Need proposal for basin O&M costs, including development of management plan. No restoration work until management plan developed.
199505702	S Idaho Wildlife Mitigation	SNAKE UPPER	SBT	\$297,295	Recommend level funding
200302400	Shoshone-Bannock Tr Fish Produ	SNAKE UPPER	SBT	\$0	BPA considers to be Phase 3, has not agreed to fund.
200302500	Yellowstone Cutthroat Trout	SNAKE HEADWATERS	IDFG	\$0	BPA considers to be Phase 3, has not agreed to fund.
<b>Total</b>				<b>\$773,570</b>	

**Capital**

ProjectID	Title	Subbasin	Sponsor	Preliminary Council budget 2005 (05/27/04)	Comments
	Southern Idaho Wildlife Mitigation - Upper Snake	Upper Snake		\$4,300,000	Held up in Bonneville land/capitalization policy discussion.
<b>Total</b>				<b>\$4,300,000</b>	

## FY 2005 staff recommended draft (07/6/04)

## Province: Mountain Snake

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comments
198335000	Nez Perce Tribal Hatchery O&M	CLEARWATER	NPT	1,974,000	Ok.
198335003	Nez Perce Tribal Hatchery M&E	CLEARWATER	NPT	1,816,000	Recommend level funding.
198709900	Dworshak Dam Impacts Assess/In	CLEARWATER	IDFG	160,000	Close out project in 2005, funding report for evaluation. No implementation. Sponsor should provide 2005 spending cap to complete report.
198909800	Salmon Studies ID Rvrs IDFC	SALMON	IDFG/IOS C	990,000	Recommend level funding until programmatic issue is addressed.
198909801	Salmon Studies ID Rvrs USFWS	CLEARWATER	USFWS/IF RO	125,590	Recommend level funding until programmatic issue is addressed.
198909802	Salmon Studies ID Rvrs NPT	SALMON	NPT	429,841	Recommend level funding until programmatic issue is addressed.
198909803	Salmon Studies ID Rvrs SBT	SALMON	SBT	240,767	Recommend level funding until programmatic issue is addressed.
199005500	ID Steelhead M&E Studies	CLEARWATER	IDFG/IOS C	589,086	Recommend level funding until programmatic issue is addressed.
199102800	Pit Tagging Wild Chinook	SALMON	NMFS	350,000	
199107100	Sockeye Salmon Hab & Limnology	SALMON	SBT	455,756	
199107200	Redfish Lake Sockeye Salmon Ca	SALMON	IDFG/IOS C	825,638	Issue 12 : Captive Broodstock - flatlined pending resolution
199107300	Idaho Natural Production Monit	SALMON	IDFG	884,640	Recommend level funding until programmatic issue is addressed.
199202603	Model Watershed Studies - Lemh	SALMON	ISCC/IOS C	356,458	
199204000	Redfish Lake Sockeye Broodstoc	SALMON	NMFS	737,242	Issue 12 : Captive Broodstock - flatlined pending resolution
199303501	Red River Restoration	CLEARWATER	ISWCD	0	Issue: Contract ends in end of June 2004, project sponsor wants to end sponsorship. O&M costs?



## FY 2005 staff recommended draft (07/6/04)

## Province: Mountain Snake

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comments
199401700	Idaho Model Watershed Habitat	SALMON	Custer-Lemhi SWCD / OSC	1,135,632	ok
199405000	Salmon River Habitat Enhance	SALMON	SBT	245,000	Recommend level funding.
199501300	Nez Perce Trout Pond	CLEARWATER	NPT	183,561	Hold at \$183,500 per FY 2000 Council decision and reiterated decision in provincial decision 2002.
199604300	Johnson Creek Artificial Propa	SALMON	NPT	923,887	Placeholder amount pending successful completion of Step Review
199607702	Lolo Creek Watershed	CLEARWATER	NPT	252,638	Ok
199607703	Restore Fishing to Bear Creek	CLEARWATER	NPT	420,000	
199607705	Restore McComas Meadows	CLEARWATER	NPT	320,987	
199608600	Clearwater Focus Watershed/Con	CLEARWATER	ISCC	103,626	Ok.
199700100	Idaho Chinook Salmon Captive R	SALMON	IDFG/IOS C	509,000	Issue 12 : Captive Broodstock - recommend level funding pending resolution.
199703000	Listed Stock Adult Escapement	SALMON	NPT/PNN L	401,789	Ok
199703800	Listed Stock Chinook Salmon Ga	SYSTEMWIDE PROJECTS	NPT	308,447	Ok
199706000	Clearwater Focus Watershed NP	CLEARWATER	NPT	233,076	Ok, need to confirm reports have been submitted.
199901400	Little Canyon Creek Habitat	CLEARWATER	Lewis SCD	206,500	Finishing date of project in 2005.
199901500	Big Canyon Fish Habitat	CLEARWATER	Nez Perce SWCD	188,324	
199901600	Protect/Restore Big Canyon Cr.	CLEARWATER	NPT	237,759	

## FY 2005 staff recommended draft (07/6/04)

Province: Mountain Snake

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comments
199901700	Rehabilitate Lapwai Creek	CLEARWATER	NPT	466,794	
199901900	Restore Salmon River (Challis,	SALMON	Custer SWCD / OSC	359,290	Ok
199902000	Analyze Persistence/Dynamics S	SALMON	USFS	160,491	Issue: See Council recommendation, preliminary analysis and report required prior to contracting.
200002800	Eval Pacific Lamprey In Clearw	CLEARWATER	IDFG/IOS C	82,913	
200003400	Protect N Lochsa Face Analysis	CLEARWATER	NPT	195,129	Project restarted.
200003500	Rehabilitate Newsome Creek - S	CLEARWATER	NPT	307,630	Ok
200003600	Protect And Restore Mill Creek	CLEARWATER	NPT	80,096	
200200400	Safety-Net Art Propagation Pr	SALMON	SNAPP	300,000	Issue: SNAPP - check to compliance with ISRP recommendation.
200204900	Eval Precision Bias Chinook	SALMON	USFS	35,000	Complete exisitng work in 2005 and get the deliverable for project report.
200205900	Yankee Fork Salmon R Restorati	SALMON	Custer SWCD / OSC	160,373	Initiated in 2004, realign.
200206000	Nez Perce Harvest Monitoring	CLEARWATER	NPT	326,646	Realignment - Phase 3 project starting in 2004.
200206100	Restore Potlatch R Watershed	CLEARWATER	Latah SWCD	200,000	Realignment of \$200k. Still within Councils original recommendation.
200206200	Chinook Return Quantification	SALMON	NPT	0	Project not initiated. BPA decision.

## FY 2005 staff recommended draft (07/6/04)

Province: Mountain Snake

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/06/04)	Comments
200206800	Evaluate Nez PT Stream Habitat	CLEARWATER	NPT	213,831	Pending ISRP comment
200206900	Protect & Restore Little Salmo	SALMON	NPT	162,896	Pending receipt of justification. Possible addition of \$162,896
200207000	Lapwai Cr Anadromous Habitat	CLEARWATER	Nez Perce SWCD	292,028	Reschedule took place in 2004.
200207200	Protect & Restore Red River WS	CLEARWATER	NPT	393,118	Realigned one year.
200207400	Restore Crooked Fork Creek	CLEARWATER	NPT	221,048	
<b>Total</b>				<b>\$19,562,527</b>	

## Capital

ProjectID	Title	Subbasin	Sponsor	Preliminary Council budget 2005 (05/27/04)	Comments
28018	Lower Salmon River Tributary Protection and Enhancement	Salmon	IDFG	0	BPA considers to be Phase 3, has not agreed to fund.
199401500	Idaho Fish Screening Improveme	SALMON	IDFG/IOS C	1,000,000	Probably will go forward
200301800	Nez Perce R Terrestrial	CLEARWATER	NPT	0	BPA considers to be Phase 3, has not agreed to fund.
200303000	Lwr Clearwater Hab Enhance Pro	CLEARWATER	NPT	0	BPA considers to be Phase 3, has not agreed to fund.
<b>Total</b>				<b>\$1,000,000</b>	

**FY 2005 staff recommended draft (07/6/04)****Province: Mountain Snake****Expense**

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comments
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**FY 2005 staff recommended draft (07/6/04)**  
**Province: Middle Snake**

Middle Snake Province

**Expense**

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comments
199501500	Lake Billy Shaw O&M and M&E	OWYHEE	SPT - DVIR	456,899	Rename to Duck Valley Reservoirs Fish Stocking and O&M. Combined with 198815600, budget represents combination of both projects. Recommend level funding.
199505701	S Idaho Wildlife Mitigation	BOISE	IDFG/IOSC	81,169	Management plan needs to be developed. Need proposal for basin O&M costs, including development of management plan. No restoration work until management plan developed.
199505703	S Idaho Wildlife Mitigation	OWYHEE	SPT - DVIR	81,929	
199701100	Shoshone-Paiute Habitat Enhanc	OWYHEE	SPT - DVIR	302,648	Recommend level funding. Any additional funds are contingent on favorable Council recommendation.
199701900	Stinking Water Salmonid Projec	MALHEUR	BPT	333,542	
199800200	Snake River Native Salmonid As	SNAKE UPPER MIDDLE	IDFG/IOSC	320,806	
199903200	Consumptive Sturgeon-Hells Can	SNAKE UPPER MIDDLE	NPT	0	BPA considers to be Phase 3, has not agreed to fund.
200000900	Logan Valley Wildlife Mitigati	MALHEUR	BPT	146,842	
200002700	Acquisition Of Malheur Wildlif	MALHEUR	BPT	324,690	Recommend level funding.
200302600	Inven/Eval Duck Valley Reserva	OWYHEE	SPT - DVIR	0	BPA considers to be Phase 3, has not agreed to fund.
200302900	Assess Upper Malheur Above Beu	MALHEUR	BPT	0	BPA considers to be Phase 3, has not agreed to fund.
<b>Total</b>				<b>2,048,525</b>	

## FY 2005 staff recommended draft (07/6/04)

Province: Columbia Plateau

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comments
25081	Improve Upstream Fish Passage in the Birch Creek Watershed	Umatilla	ODFW	\$0	Project not funded by BPA
198343500	Umatilla Hatchery O&M - CTUIR	UMATILLA	CTUIR	\$1,018,147	Recommend level funding.
198343600	Umatilla Passage O&M	UMATILLA	WID	\$492,405	
198402100	John Day Habitat Enhancement	JOHN DAY	ODFW	\$447,889	
198506200	Yakima Screen Evaluation	YAKIMA	PNNL	\$110,551	Recommend level funding. No new work.
198710001	Umatilla Anad Fish Hab - CTUIR	UMATILLA	CTUIR	\$350,000	Ok
198710002	Umatilla Anad. Fish Hab - ODFW	UMATILLA	ODFW	\$300,264	
198802200	Umatilla Fish Passage Ops	UMATILLA	CTUIR	\$362,164	Recommend level funding.
198812025	YKFP Management, Data, Habitat	YAKIMA	YN	\$1,124,731	Increase is a transfer of costs of on-the-ground work that had been performed under the Safe Access project.
198902401	Eval Um Juvenile Sal Out Migra	UMATILLA	ODFW	\$306,235	
198902700	Power Repay Umatilla Basin Project	UMATILLA	BPA	\$1,000,000	Investigate alternative way to perform transaction. Can efficiencies be found. Should there be a larger placeholder established?
198903500	Umatilla Hatchery O&M - ODFW	UMATILLA	ODFW	\$875,000	Amount based on last two years spending.
199000500	Umatilla Hatchery - M&E	UMATILLA	ODFW	\$572,848	Programmatic issue : Umatilla issue #2. Anticipate submittal from sponsor end of April. Budget includes costs of tags.
199000501	Umatilla Basin Nat Prod M&E	UMATILLA	CTUIR	\$395,129	Recommend considering request in subbasin planning implementation.
199009200	Wanaket Wildlife Area	UMATILLA	CTUIR	\$150,000	Recommend level funding.
199106100	Swanson Lake Wildlife Mitigati	CRAB	WDFW	\$0	Funded by MOA in 2004, 2005.
199200900	Yakima Phase II Screens O&M	YAKIMA	WDFW/YSS	\$139,590	Budget amount based on 2004 spending

## FY 2005 staff recommended draft (07/6/04)

Province: Columbia Plateau

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comments
199206200	Lower Yakima Valley Riparian/W	YAKIMA	YN	\$1,514,545	Issue: Sponsor needs to demonstrate anadromous fish benefits from the project, not recommended by Council for wildlife mitigation (Yakima Issue 5).
199401806	Tucannon Stream And Riparian R	TUCANNON	CCD	\$318,417	Ok
199401807	Habitat For Fall Chinook, Stee	TUCANNON	PCD	\$80,000	
199402600	Pacific Lamprey Population Sta	UMATILLA	CTUIR	\$501,090	Ok.
199404200	Trout Creek O&M	DESCHUTES	ODFW	\$383,662	Recommend implementing according to Council recommendation. New habitat work should be considered under subbasin planning implementation.
199404400	Sagebrush Flat WL Mitigation	COLUMBIA LOWER MIDDLE	WDFW	\$249,362	Funded by Washington MOA in 2004, 2005.
199405400	Bull Trout Life History Projec	DESCHUTES	ODFW/CTW SRO	\$490,750	
199405900	Yakima Basin Environmental Edu	YAKIMA	BOR	\$135,000	
199406900	Spawning Habitat Model - Snake	COLUMBIA LOWER MIDDLE	PNNL	\$248,739	Recommend to wrap up work in FY 2005.
199503300	O&M Yakima Basin Fish Screens	YAKIMA	BOR	\$110,551	
199506001	Iskuulpa Watershed Project	UMATILLA	CTUIR	\$150,000	Recommend level funding.
199506325	Ykfp - Monitoring And Evaluati	YAKIMA	YN, WDFW	\$4,100,251	
199506425	YKFP Policy/Plan/Technical	YAKIMA	WDFW	\$186,700	

## FY 2005 staff recommended draft (07/6/04)

Province: Columbia Plateau

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comments
199601100	Juv Screens & Traps WallaWalla	WALLA WALLA	CTUIR	\$217,000	Captial portion needs to wait for subbasin planning implementation. Expense portion associated with O&M of existing facilites, per Council direction in July of 2003.
199603501	Satus Creek Watershed Restorat	YAKIMA	YN	\$388,600	Consider new habitat work under subbasin plan implementation.
199604601	Walla Walla River Basin Fish H	WALLA WALLA	CTUIR	\$277,617	Recommend level funding.
199701325	Yakima/Klickitat Fisheries Pro	YAKIMA	YN	2,597,942	
199705300	Toppenish/Simcoe Instream Flow	YAKIMA	YN	\$0	Combined with 199803300 (Upper Topenish Watershed Resoration Analysis) per letter from Bill Maslen (BPA), 6/30/04).
199801600	Escapement/Productivity Spring	JOHN DAY	ODFW	\$880,000	
199801700	Gravel Push-Up Dam Removal Low	JOHN DAY	NFJDWC	\$105,134	
199802000	Walla Walla R. Habitat Assess.	WALLA WALLA	WDFW	\$174,250	
199802200	Pine Creek/Wagner Management	JOHN DAY	CTWSRO	\$154,722	Management plan has been submitted. Bonneville reviewing. No \$ change recommended at this time pending Bonneville decision.
199802800	Implement Trout Cr Watershed R	DESCHUTES	Jefferson Co. SWCD	\$130,560	Recommend level funding.
199803300	Upper Toppenish Creek Watershe	YAKIMA	YN	\$415,046	Combined with 199705300 (Toppenish/simcoe Instream Flow Restoration), per letter Bill Maslen (BPA) 6/30/04). Consider new habitat work under subbasin plan implementation.
199901000	Pine Hollow/Jackknife Habitat	JOHN DAY	Sherman SWCD	\$23,500	
199901300	Ahtanum Creek Watershed Assess	YAKIMA	YN	\$221,314	Consider new habitat work under subbasin plan implementation.



## FY 2005 staff recommended draft (07/6/04)

Province: Columbia Plateau

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comments
200001500	Oxbow Ranch Management	JOHN DAY	CTWSRO	\$117,385	Management plan has been submitted. Bonneville reviewing. No \$ change recommended at this time pending Bonneville decision.
200001900	Tucannon River Spring Chinook	TUCANNON	WDFW	\$126,500	\$126,500 consistent with 2004 within year adjustment by Council.
200002600	Rainwater Wildlife Area Operat	WALLA WALLA	CTUIR	\$304,926	
200003100	Enhance North Fork John Day Ri	JOHN DAY	CTUIR	\$244,544	Recommend level funding.
200003300	Walla Walla River Fish Passage	WALLA WALLA	CTUIR	\$117,127	Recommend level funding.
200003900	Walla Walla River Basin Monito	WALLA WALLA	CTUIR	\$522,546	Recommend looking at this request for subbasin planning implementation. Possible scope change.
200104101	Forrest Ranch Management	JOHN DAY	CTWSRO	\$146,635	Management plan has been submitted. Bonneville reviewing. No \$ change recommended at this time pending Bonneville decision.
200200600	Bull Trout Movement:Tucannon	SNAKE LOWER	USFWS/IFRO	\$175,487	Project could complete in 2006, based on performance.
200201400	Sunnyside Wildlife Mitigation	YAKIMA	WDFW	\$0	Funded by WWA in 2004 & 2005.
200201500	Watershed Council Sherman Co	JOHN DAY	Sherman SWCD	\$68,337	
200201600	Lamprey Abundance	DESCHUTES	CTWSRO	\$107,971	
200201800	Restore Tapteal Bend Riparian	YAKIMA		\$11,000	Just got started. Realignment, need to check on 2005 budget
200201900	Wasco Riparian Buffers	DESCHUTES	Wasco SWCD	\$70,160	Hold funding level until subbasin plan implementation.
200202000	Huntsville Mill Fish Screen O&M	WALLA WALLA	WDFW/YSS	\$10,500	\$208K charged in 04 due to change from cap to exp

## FY 2005 staff recommended draft (07/6/04)

Province: Columbia Plateau

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comments
200202600	Morrow County Riparian Buffers	UMATILLA	Morrow SWCD	\$79,657	
200202700	Hydrodynamics & Water Quality	SNAKE LOWER	PNNL	\$200,000	Ok, move \$9,834 to 2004, reduce 2005 to 200,000 (preschedule)
200202900	Fish Passage on WDFW Land	YAKIMA	WDFW	\$180,300	Contract late, just starting year 1 of funding.
200203000	Salmonid Progeny Markers	UMATILLA	CTUIR	\$198,661	Ok
200203100	Spring Chinook Growth Modulation	YAKIMA	NMFS	\$338,859	Recommend to wrap up work in FY 2005. No additional work.
200203300	John Day Recovery Monitoring	JOHN DAY	CTWSRO	\$59,150	Project is on 2004 within-year list. Not enough to renew contract this year. Needs to be realigned, move extra money into 2004
200203400	Wheeler Co Riparian Buffers	JOHN DAY	Wheeler SWCD	\$79,657	- CREP
200203500	Gilliam Co Riparian Buffers	JOHN DAY	Gilliam SWCD	\$79,657	- CREP
200203600	Restore Walla Walla River Flow	WALLA WALLA	WWBWC	\$0	Should have been one-year funding recommendation
200203700	Freshwater Mussels In River	UMATILLA	CTUIR	\$237,000	Ok
200203800	Acquire Yakima Basin Habitat	YAKIMA	Yakima, WA	\$349,000	Within year request. Scope change for acquisition work. Dependent on Council decision for third year of funding for project. Project Issue: Council May 2004 decision will determine the need for 2005.
<b>Total</b>				<b>\$25,524,764</b>	

## FY 2005 staff recommended draft (07/6/04)

Province: Columbia Plateau

## Expense

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comments
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## Capital

ProjectID	Title	Subbasin	Sponsor	Preliminary Council budget 2005 (05/27/04)	Comments
198811525	YKFP - Design & Construction	YAKIMA	YN	\$20,508,000	
199107500	Yakima Fish Screens Cons BOR	YAKIMA	BOR	\$400,000	Complete in 2006.
199306600	Oregon Fish Screens Project	JOHN DAY	ODFW	\$701,117	Recommend level funding.
199601100	Juv Screens & Traps WallaWalla	WALLA WALLA	CTUIR	\$0	Should be no new construcion until basin planning is complete.
199705100	Yakima Basin Side Channels	YAKIMA	YN	\$1,728,704	
199801800	John Day Watershed Restoration	JOHN DAY	CTWSRO	\$477,966	Last three years of spending is consistent with Council recommended budget, therefore need to hold to last Council recommended budget level of \$477,966.
199803400	Establish Safe Access Tributary	YAKIMA	YN	\$0	Combined with 200202501
200003800	NEOH WW Hatchery Design & Cons	WALLA WALLA	CTUIR	\$0	Recommend \$0. Additional \$ may be recommended at approval of Master plan. Planning funded for numerous years.
200202200	Big Creek Passage & Screening	YAKIMA	WDFW	\$0	
200202300	Wilson Cr Snowden Acquisition	YAKIMA	YKFP/WDFW	\$0	
200202501	Yakima Tributary Access & Habi	YAKIMA	KCWP	\$880,000	This is a transfer of staff time (\$100k) from Safe Access project and O&M of previously secured land under the Side Channels project

**FY 2005 staff recommended draft (07/6/04)****Province: Columbia Plateau****Expense**

ProjectID	Title	Subbasin	Sponsor	Staff Recommended budget (07/0604)	Comments
200205700	Westland Ramos Passage Habitat	UMATILLA	WID	\$1,044,080	
200300100	Manastash Cr Fish Passage/Scree	YAKIMA	YKFP/WDF W	\$1,250,000	Ok. Increase \$500k as long as project remains a capital project.
<b>Total</b>				<b>26,989,867</b>	