

Appendix:
 Anadromous Fish Committee
 FY 2001 Ongoing Project Review Comments

For the FY 2001 Ongoing Review Process, the Anadromous Fish Committee (AFC) of the Columbia Basin Fish and Wildlife Authority (CBFWA) used sub-regional teams (SRTs) to perform the budget reviews for all anadromous fish project proposals. The SRTs have the most familiarity with the technical aspects of each project and a good grasp as to budget needs projected from the FY 2000 proposals. In FY 2000, the AFC utilized SRTs to perform technical and management reviews of all anadromous fish project proposals. In this way, project priorities were determined at the local level according to the needs within each sub-region.

The SRTs reviewed each project proposal independently, then met for one day to review the proposals and provide recommendations to the AFC (Table A1). The purpose of the SRT meetings was to 1) identify ongoing objectives and review and provide a recommendation for proposed budgets, 2) identify new and non-reviewed objectives and determine their potential as early actions, 3) identify and remove redundancy among projects (attempt to streamline actions within each sub-region. The following comments were written and approved by each individual SRT. The comments were then reviewed, modified where necessary and approved by the AFC on June 21, 2000.

Table A1. List of Anadromous Fish Committee sub-regional teams and meeting dates for the FY 2001 Ongoing Project Review Process.

1) Lower Columbia River Sub-Regional Team (LwrCol) Portland, Or	May 18, 2000
2) Central Oregon Sub-Regional Team (CEOR) The Dalles, Or	May 24, 2000
3) Northeast Oregon/Southeast Washington Sub-Regional Team (NEOSEW) La Grande, Or	May 22, 2000
4) Washington Sub-Regional Team (WA) Toppenish, Wa	May 25, 2000
5) Idaho Sub-Regional Team (ID) Boise, Id	May 31, 2000
6) Mainstem and Systemwide Sub-Regional Team (MainSys) Portland, Or	June 6, 2000
7) Major Construction Sub-Regional Team (MajCon) Portland, Or	June 7, 2000

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Project 20017 - Restore Habitat Within Dredge Tailings On The Yankee Fork Salmon River

SRT: ID
FY00 funding level: \$0 - DNF
FY01 forecast from FY00: \$900,000
FY01 request: \$250,000
Ongoing funding recommendation: \$0
New Funding: \$0

This project was not recommended for funding in FY 2000 by the NWPPC and therefore is not an ongoing project. Funding has been provided for this project through other funding sources.

Project 195505500 - Umatilla Tribal Fish and Wildlife Enforcement

SRT: None
FY00 funding level: \$0 - No proposal submitted
FY01 forecast from FY00: \$0
FY01 request: \$155,561
Ongoing funding recommendation: \$0
New Funding: \$0

This project did not submit a proposal in FY 2000 due to confusion on the NWPPC policy towards conservation enforcement projects. Therefore, this project was not funded in FY 2000 and will pursue funding through the within year budget modification process for FY 2000. It is expected that through that process, the same standards and requirements created for the existing two conservation enforcement projects can be established for this project.

Project 198201300 - Coded-Wire Tag Recovery Program

SRT: MainSys
FY00 funding level: \$1,923,498
FY01 forecast from FY00: \$2,019,673
FY01 request: \$2,179,728
Ongoing funding recommendation: \$2,179,728
New Funding: \$0

The increase in ODFW's subcontract costs reflect a 2% increase in salary plus step increases at 5%. In addition, two R-95 tube detectors are budgeted (\$56,400 total) to meet the shift to electronic sampling for CWTs. WDFW added staff time to sample the lower Yakima R. Additional costs were incurred in switching the PSMFC employees from the state to the federal GS salary schedule.

In the ocean portion of the project, PFMC added a commercial troll coho "selective" fishery in 2000, expanded troll fishing days, and added fishing time/area. Ocean sport coho salmon selective fisheries have expanded for both the Columbia River ocean area and the central coast area. Increased costs are for added seasonal port sampler time and to cover COLA's and salary adjustments. PSMFC's Mark Center added a position (now staff of three) in mid FY 2000 to keep up with accelerating data management needs for integration of CWT information at the subbasin and subregion levels to meet Fish/Wildlife Program's emphasis on monitoring and evaluation.

There is no change in scope of work.

Project 198331900 - New Marking and Monitoring Techniques for Fish

SRT: MainSys

FY00 funding level: \$1,388,800

FY01 forecast from FY00: \$1,450,000

FY01 request: \$1,836,885

Ongoing funding recommendation: \$1,836,885

New Funding: \$0

In order to have extended-range systems ready to be installed into the fish ladders at Bonneville Dam during the de-watered period between December 2001 and February 2002, the equipment needs to be manufactured before that time period. Material and parts need to be ordered by the manufacturers six months ahead of time to meet this deadline. Thus, the procurement process needs to start in FY01. Therefore, in this FY01 budget we have included basically 50% of the costs for the equipment needed for 2002 in addition to 100% of the costs for the equipment needed for the Washington Shore installation. To get a price break based on numbers that will be needed for installations throughout the CRB, BPA will be issuing contracts with different delivery times.

There is no change in scope of work. Although the MainSys SRT supports the purchase of the equipment, we question why these costs were not anticipated in the FY 2000 proposal.

Project 198335000 - Nez Perce Tribal Hatchery Monitoring and Evaluation

SRT: ID

FY00 funding level: \$8,000,000

FY01 forecast from FY00: \$

FY01 request: \$14,729,000

Ongoing funding recommendation: \$13,294,048

New Funding: \$0

The budget has been adjusted due to a change in the indirect cost rate.

In 1999, NWPPC and ISRP review recommended project changes and development prior to Step 3 approval which resulted in a 50% capital cost reduction and a one year delay preceding construction to meet the Measure 7.4M language described as "low cost, small scale". Subsequently, this review increased O&M, and M&E costs to meet the Council's requirements. Additional M&E and a modified O&M approach increased costs in order to provide a more temporary, experimental approach to supplementation and fish recovery. In 1999, the construction cost estimate for FY 2000 was \$18,443,000, with total costs estimated at \$32 million. However actual FY 2000 budgets total \$7,694,000 because of delays due to redesign.

Project 198335003 - Nez Perce Tribal Hatchery Monitoring and Evaluation

SRT: ID

FY00 funding level: \$992,847

FY01 forecast from FY00: \$960,000

FY01 request: \$1,392,133

Ongoing funding recommendation: \$1,347,003

New Funding: \$0

The budget has been adjusted due to a change in the indirect cost rate.

The fall chinook salmon monitoring and evaluation activities associated with project 199403400 have been incorporated into the overall NPTH M&E program. Project 199403400 costs for FY2001 have been reduced by 67.5%. Funding for staff time, fall chinook aerial redd surveys and other monitoring tasks not associated with the Lyons Ferry Hatchery subyearling survival research in project 199403400 have been incorporated within the project 198335003 budget. The combined change in projected 2001 budgets for projects 199403400 and 198335003 is a 16% increase. Increased marking (PIT tagging and Coded Wire Tagging) effort was the primary change in budget costs.

The development of a comprehensive NPTH M&E Action Plan for ISRP review was required by the NWPPC. This proposal has been modified to meet the NWPPC's ISRP review process. ISRP approved the NPTH M&E Action Plan, which includes M&E tasks collected through project 199403400. The rationale for inclusion of project 199403400 under the Nez Perce Hatchery Monitoring and Evaluation is related to supplementation of fall chinook salmon in the Clearwater River Subbasin being directly from the Nez Perce Tribal Hatchery. The M&E tasks relating to wild fall chinook life history data and survival in the Clearwater and monitoring adult returns for both wild and hatchery fish contributions has been ongoing through project 199403400 and will now be expanded on a larger scale through this M&E. The development of the ISRP approved NPTH M&E Action Plan involved modification from the projected 2001 program budgets.

Project 198343500 - Operate and Maintain Umatilla Hatchery Satellite Facilities

SRT: NEOSEW

FY00 funding level: \$775,000
FY01 forecast from FY00: \$1,486,066
FY01 request: \$925,977
Ongoing funding recommendation: \$925,977
New Funding: \$0

The reduction from the FY2001 projected budget of \$1,486,066 to \$925,977 is due to the delay in completion of the Umatilla Supplement Hatchery (USH) and NEOH/Walla Walla Hatchery. It was originally anticipated that the O&M costs for this facility would be provided under this project beginning in FY 2001. The FY2001 budget request (\$925,977) is approximately \$151,000 higher than the FY 2000 budget. This is due largely to the transfer of more maintenance responsibilities to this project from Project Number 8343600, cost of living and inflation increases, the addition of a NWPPC approved Objective 3 (experimental spring Chinook out-planting), and increased USFWS marking and rearing costs (approximately \$15,000). Previously, project 8343600 performed much of the maintenance. The Umatilla Satellite Facility portion of that project budget will be reduced from \$215,918 in FY 2000 to approximately \$72,000 in FY2001. Outyear costs are projected to increase substantially in FY 2002 due to the anticipated completion of the USH and NEOH/Walla Walla Hatchery and related O&M costs.

With the hiring of a full-time maintenance supervisor in 1998, this project is now capable of performing most of the required maintenance at all satellite facilities and will undertake more of that responsibility. To implement the experimental out-planting of spring chinook adults in the Umatilla and Walla Walla River basins, the South Fork Walla Walla adult holding facility is needed for temporary holding. Adults will be collected at Ringold and possibly other facilities and transported to the South Fork facility for temporary holding prior to out-planting.

Project 198343600 - Umatilla Basin Fish Facilities Operation and Maintenance

SRT: NEOSEW
FY00 funding level: \$502,000
FY01 forecast from FY00: \$724,199
FY01 request: \$445,411
Ongoing funding recommendation: \$445,411
New Funding: \$0

The final FY 2000 budget was reduced from \$703,000 to \$560,000. This reduction was a result of the project becoming more efficient in conducting its activities resulting in significant decreases in budget costs. Additional cost savings have been realized for FY 2001. Also, responsibilities for satellite facility maintenance has largely been transferred to CTUIR under project number 8343500. The combined maintenance budget for the satellite facilities for project numbers 8343500 and 8343600 has decreased from \$309,000 in FY 2000 to \$246,000 in FY 2001, again, due to increased efficiency in activities. Some increase in actual costs for M&E has been realized due to COLAs.

Project tasks haven't changed but participation for satellite facility maintenance has largely been transferred to CTUIR.

Project 198402100 - Protect and Enhance Anadromous Fish Habitat in the John Day Subbasin

SRT: CEOR

FY00 funding level: \$426,046

FY01 forecast from FY00: \$440,000

FY01 request: \$439,936

Ongoing funding recommendation: \$439,936

New Funding: \$0

The CEOR SRT supports this project as proposed. No change in scope of work or budget.

Project 198402500 - Protect and Enhance Anadromous Fish Habitat in Grande Ronde Basin Streams

SRT: NEOSEW

FY00 funding level: \$273,000

FY01 forecast from FY00: \$325,000

FY01 request: \$325,958

Ongoing funding recommendation: \$287,500

New Funding: \$0

The FY 2000 contract was cut to O&M/M&E only. All implementation activities were passed through the Grande Ronde Model Watershed process. Planned implementation work was added back into the project for FY 2001. Personnel were spread over all budget categories. \$287,500 is needed for continuation of O&M/M&E. A total of \$38,458 was removed from Section 4 for implementation activities. Project sponsor will seek funding for implementation activities through GRMW.

Project 198506200 - Passage Improvement Evaluation

SRT: WA

FY00 funding level: \$100,000

FY01 forecast from FY00: \$100,000

FY01 request: \$140,000

Ongoing funding recommendation: \$100,000

New Funding: \$40,000

This project has been focused in the Yakima Basin in previous years. Although the work is consistent with the intent of the project, moving into the other basins would be considered new work within those subbasins. The additional \$40,000 would be used to evaluate newly constructed screens in the Wenatchee and Methow subbasins to determine

whether they are operating as designed and in compliance with fish protection criteria adopted by the NMFS (Section 6, Objective 3).

The scope change is the inclusion of four additional sites in the Wenatchee River subbasin (Tandy, Peshastin, Pioneer, and Chiwawa) and seven sites in the Methow River subbasin (Chiwac, Barkley, Twisp Power, Early Winters, Folton, Skyline, and Wolf Creek). Each of these sites would be examined two times each during the irrigation season to determine whether they are meeting fish protection criteria. The Wenatchee and Methow subbasins contain imperiled ESA listed stocks of steelhead and chinook salmon. Ensuring that these fish are protected from entrainment or injury/death at irrigation structures should be an important part of their conservation.

This project is supported by the WA SRT and should be earmarked as a potential ESA high priority project since ESA measures are being enforced in this area.

Project 198710001 - Enhance Umatilla River Basin Anadromous Fish Habitat

SRT: NEOSEW

FY00 funding level: \$260,000

FY01 forecast from FY00: \$315,000

FY01 request: \$340,710

Ongoing funding recommendation: \$340,710

New Funding: \$0

The budget is slightly higher than anticipated because of additional funds required for: (1) increased project personnel time to develop biological assessments for proposed enhancements, including proposed noxious weed treatments and 404 fill and removal permit activities, due to recent ESA listings (compliance with ESA Section 7 Consultation and NMFS 4d rules), and (2) recent noxious weed invasions (kochia and wild mustard) in the Wild Horse Creek Project Area, requiring additional subcontract dollars for increased herbicide applications. These weeds are currently out-competing native trees/shrubs and bunch grasses in this project area and more intensive weed treatments are required to restore this project area to a naturally functioning state.

The scope has not changed, just more effort is required to develop projects consistent with ESA requirements and additional dollars are needed to treat noxious weeds. There is a real inconsistency with the application of NEPA by BPA on these types of projects. For this project, CTUIR is paying for maintenance on fencing and weed control whereas the Districts are not generally paying for ongoing O&M.

This SRT wants to raise a flag on the inconsistency among BPA projects for O&M/M&E requirements under the agreements that are being negotiated with landowners. Application of NEPA also has been inconsistent among BPA COTRs.

Project 198710002 - Protect and Enhance Anadromous Fish Habitat in the Umatilla River Subbasin

SRT: NEOSEW

FY00 funding level: \$353,000

FY01 forecast from FY00: \$450,000

FY01 request: \$425,263

Ongoing funding recommendation: \$425,263

New Funding: \$0

Implementation was cut last year for budget reasons. That work has been brought back up to planned levels. There are also matching funds available through COE for this project (\$780,000). The increase in the budget is due mainly to implement 1½ miles of channel restoration.

Project 198712700 - Smolt Monitoring by Federal and Non-Federal Agencies

SRT: MainSys

FY00 funding level: \$1,870,449

FY01 forecast from FY00: \$2,177,130

FY01 request: \$2,295,433

Ongoing funding recommendation: \$2,295,433

New Funding: \$0

The increase in this budget is due to cost of living increases. There is no change in scope of work. The information provided in the proposal is confusing, since the cost of the project increased even though the price of PIT tags decreased.

Project 198740100 - Assessment of Smolt Condition: Biological and Environmental Interactions

SRT: MainSys

FY00 funding level: \$199,046

FY01 forecast from FY00: \$206,000

FY01 request: \$341,300

Ongoing funding recommendation: \$341,300

New Funding: \$0

This project has changed significantly. Although it continues to perform similar studies, it is difficult to decipher new studies from ongoing studies. Dramatic increases in several objectives raises concern among the MainSys SRT reviewers also (i.e. Provide technical assistance to regional fish and wildlife managers cost \$20,000 in FY00 and \$85,000 in FY01). The proposed studies have not been reviewed by the MainSys SRT and appear to need further technical review.

The following explanation would indicate that new research studies would be initiated in FY 2001: "The goal of artificial production in the Columbia River basin has changed with increasing emphasis on the release of higher quality fish to increase long term

survival, and with characteristics similar to wild fish. After inquiries by hatchery managers about the use of new enhanced diets toward this end, we developed a hatchery production study to answer two uncertainties related to differential disease resistance between hatchery and wild fish. This production level study requires additional funds to cover materials and time 1) to evaluate of the effects of naturally occurring immunostimulants in the rearing water on development and long term disease resistance, and 2) to compare development between wild and hatchery fish to determine critical life stages when genetic selection may occur due to differences in disease resistance.

Our technical research assistance activities respond to inquiries by regional fisheries agencies and hatchery managers. The basis for differences in survival between hatchery and wild fish has not been explained. Effects of naturally occurring immunostimulants in source water, and promotion of enhanced feeds by production feed manufacturers are two areas of practical concern because both may influence growth, disease resistance, and survival. Differences found between the water treatment groups will prescribe changes in hatchery rearing protocols to further the release of more disease resistant fish and to help determine if diet enhancement to improve disease resistance is justified.”

Project 198802200 - Umatilla River Fish Passage Operations

SRT: NEOSEW

FY00 funding level: \$360,000

FY01 forecast from FY00: \$398,000

FY01 request: \$327,600

Ongoing funding recommendation: \$327,600

New Funding: \$0

This project is operated in conjunction with Walla Walla Fish Passage Operations as one project. As activities in the Walla Walla Basin have increased (up \$45,000) more effort is being directed to that subbasin as activities in the Umatilla have become more efficient (down \$33,000). Combined budgets for the two Fish Passage Operations projects is ~8% lower than forecasted in the FY 2000 proposals (\$12,000 higher than FY 2000).

Project 198805301 - Northeast Oregon Hatchery Master Plan

SRT: MajCon

FY00 funding level: \$0 - use carry forward

FY01 forecast from FY00: \$3,000,000

FY01 request: \$2,312,360

Ongoing funding recommendation: \$2,309,038

New Funding: \$0

The budget has been adjusted due to a change in the indirect cost rate.

The project sponsors initially anticipated preparation for construction of facilities (land purchase, site work, etc.) would begin in 2001. Updated projection of construction on this

project will not begin until 2002 - see out-year budget projections. Capital construction estimates are +/- 35% based on conceptual design in the master plan and will be refined during preliminary and final design steps.

Project 198805302 - Design and Construct Umatilla Hatchery Supplement

SRT: MajCon

FY00 funding level: \$0 - use carry forward

FY01 forecast from FY00: \$0

FY01 request: \$4,868,850

Ongoing funding recommendation: \$4,868,850

New Funding: \$0

All design and construction costs were initially proposed for FY 2000 with no costs expected thereafter under this construction project. Since final design and construction did not occur in FY 2000, all previously proposed costs are projected forward to FY 2001. Beyond FY 2001, O&M (facility operations) and M&E (production monitoring and CWT tagging) will occur under Umatilla Hatchery Satellite Facility O&M project 8343500. This project and the NEOH - Walla Walla Hatchery (project 20138) proposed at the same site have a combined cost estimate that is 5% higher than last year's estimate (due to inflation). Although both projects have an assumed production planning target of 500,000 smolts each, this project represents 66% of total cost because it is expected to be implemented first and will cover base capital costs associated with buildings and plumbing needed for incubation and early rearing.

This project is in Step 1 of the Three Step Process. A Master Plan has not been completed and may not be completed in time for construction to begin in FY 2001. The planning portion of this proposal is for \$105,000 (Section 3, Objective 1), while the construction portion of the proposal is for \$4,763,850 (Section 4, Objective 2).

Project 198805303 - Hood River Production Program - M&E

SRT: CEOR

FY00 funding level: \$499,888

FY01 forecast from FY00: \$520,000

FY01 request: \$499,959

Ongoing funding recommendation: \$519,959

New Funding: \$0

No change in budget although some carry forward is anticipated from FY 2000. There is no change in scope of work. Proposed \$20,000 in FY 2000 carry forward.

Project 198805304 - Hood River Production Program - ODFW M&E

SRT: CEOR

FY00 funding level: \$424,000
FY01 forecast from FY00: \$437,000
FY01 request: \$431,331
Ongoing funding recommendation: \$431,331
New Funding: \$0

The projected indirect rate was less than anticipated.

The scope of this project will remain the same as in FY 2000 with the exception that one additional task will be added to the FY 2001 proposal. Radio tagging adult Hood River stock hatchery winter steelhead has been proposed to determine if adults escaping to the Hood River subbasin narrowly home to the hatchery smolt release site or distribute themselves throughout the range of the indigenous population. This task was performed in 1994-96 with wild fish and in 1999 with hatchery fish to establish the baseline data. Tagging has been planned, but was not specifically proposed in FY 2000. The CEOR SRT does not feel that this is a change in scope for this project.

Project 198805305 - Northeast Oregon Hatcheries Planning and Implementation (ODFW)

SRT: NEOSEW
FY00 funding level: \$226,000
FY01 forecast from FY00: \$600,000
FY01 request: \$230,477
Ongoing funding recommendation: \$230,477
New Funding: \$0

There are slight increases due to inflation and change in overheads. The \$169,500 is not what was funded for FY 2000. This project was funded at \$226,000 last year. It appears cost savings may be realized if better coordination were pursued between this project and 199807002 and the LSRCP projects.

Project 198805307 - Hood River Production Program: Powerdale, Parkdale, Oak Springs O&M (88-053-07 & 88-053-08)

SRT: CEOR
FY00 funding level: \$506,000
FY01 forecast from FY00: \$562,733
FY01 request: \$562,733
Ongoing funding recommendation: \$562,733
New Funding: \$0

Budget includes approximately \$60,000 to complete paving of driving surfaces at Powerdale Fish Facility and \$21,600 to renovate the GMS alarm system at the Parkdale Fish Facility. Both of these items are one-time costs. The alarm system failed this year. It

is possible BPA will initiate alarm system changes during FY 2000. The CEOR SRT recognizes these tasks as necessary maintenance costs for operating the facility and does not consider them to be an expansion of the scope of work.

Project 198810804 - StreamNet

SRT: MainSys
FY00 funding level: \$1,936,453
FY01 forecast from FY00: \$1,984,864
FY01 request: \$2,289,627
Ongoing funding recommendation: \$2,189,343
New Funding: \$100,284

Most of the increase in costs for this project is in the state subcontracts possibly due to the loss of NMFS funding and \$100,284 for subbasin planning (new Objective 1, Task F). The ISRP recently completed a review of all data management projects.

A portion of the increase was the result of a 5% inflation factor. In addition, there were unanticipated increases in operating expenses, including: filling two key positions with individuals possessing greater experience and expertise than expected, resulting in higher wage expenses than anticipated; and, increased costs for computer system support for the project database and web site, which have become the largest component of the PSMFC Computer Center. A larger portion of the increase resulted from the fact that project staff last year were partially supported by other funding and apportioned their time between StreamNet and other related projects. This year, staff will be focused entirely on Columbia Basin data and services in support of subbasin assessments and planning, modeling, basin wide data management, and other FWP needs and activities.

There is no change in scope of work.

Project 198811525 - Yakima/Klickitat Fisheries Project Design and Construction

SRT: MajCon
FY00 funding level: \$1,565,000
FY01 forecast from FY00: \$1,600,000
FY01 request: \$4,628,000
Ongoing funding recommendation: \$2,928,000
New Funding: \$1,700,000

The FY 2000 estimated budget did not include the necessary replacement of the Office/Research Facility at Nelson Springs (Section 3, Objective 1 and Section 4, Objective 1). The existing facility is inadequate to serve current and foreseeable needs of the YKFP. The facility is unsafe, lacks sufficient office space for existing personnel, adequate heating and air conditioning systems, and has been steadily deteriorating in condition. Because of its deteriorating infrastructure, the facility cannot be remodeled at a reasonable cost.

This FY 2001 budget reflects substantial modification to/and addition of a broodstock collection facility to Lyle Falls Ladder (Section 4, Objective 2). An adult broodstock collection facility low in the basin is critical for successful supplementation in the Klickitat Basin. The ability to collect broodstock using YKFP (Roza-Cle Elum) protocol will allow for preservation of the genetic fitness still existing in chinook and steelhead thereby reversing past hatchery domestication. The facility will allow collection of locally adapted broodstock for coho and fall chinook programs. Passage modifications will bring ladder into industry standard criteria, including adult fish monitoring. The O&M facility will provide office/support space for activities in the Klickitat Basin.

Project 198812025 - Yakima/Klickitat Fisheries Project (YKFP) Management, Data and Habitat

SRT: WA

FY00 funding level: \$750,000

FY01 forecast from FY00: \$760,000

FY01 request: \$1,141,232

Ongoing funding recommendation: \$1,141,232

New Funding: \$0

The additional costs were created by the transfer of data management functions from the YKFP's M&E proposal (199506325) to this proposal. In addition, Project support personnel have been consolidated in this proposal. Consequently, the M&E and O&M (199701325) proposals have been reduced accordingly. Finally, Habitat Coordinator tasks have been fully implemented and incorporated in this proposal. The WA SRT is unable to provide a comprehensive review of this program using the project proposals submitted for BPA funding. A technical review should be performed in coordination with the annual program review currently being provided by YKFP.

Project 198902401 - Evaluate Juvenile Salmonid Outmigration and Survival in the Lower Umatilla River Basin

SRT: NEOSEW

FY00 funding level: \$250,785

FY01 forecast from FY00: \$299,215

FY01 request: \$297,489

Ongoing funding recommendation: \$297,489

New Funding: \$0

The FY 2000 project did not include PIT purchase. With the inclusion of those costs in FY 2001, there is only about \$16,000 increase realized due to cost of living increases. There is no change in scope of work.

Project 198902700 - Power Repay Umatilla Basin Project

SRT: NEOSEW

FY00 funding level: \$800,000

FY01 forecast from FY00: \$650,000

FY01 request: \$800,000

Ongoing funding recommendation: \$800,000

New Funding: \$0

With Council approval, the FY 2000 forecast was increased to \$800,000 during the operating year based on actual expenditures. CBFWA did not formally approve this increase. This is a non-discretionary project, and BPA must pay actual costs to provide power for the pumping exchange.

Project 198902900 - Hood River Production Program - Pelton Ladder - Hatchery

SRT: CEOR

FY00 funding level: \$115,029

FY01 forecast from FY00: \$118,480

FY01 request: \$139,534

Ongoing funding recommendation: \$139,534

New Funding: \$0

The increase in budget is directly associated with the proposed pole building needed to improve fish rearing conditions and worker safety at the outdoor early rearing tanks. No change in scope except for needed maintenance and repairs for safety concerns.

Project 198903500 - Umatilla Hatchery Operation and Maintenance

SRT: NEOSEW

FY00 funding level: \$850,000

FY01 forecast from FY00: \$881,562

FY01 request: \$893,293

Ongoing funding recommendation: \$893,293

New Funding: \$0

Increase is due to change in overheads and COLAs. There is no change in scope of work.

Project 198906201 - Fish and Wildlife Program Implementation

SRT: MainSys

FY00 funding level: \$2,000,000

FY01 forecast from FY00: \$2,245,948

FY01 request: \$3,709,026

Ongoing funding recommendation: \$2,188,849

New Funding: \$1,520,177

The increase in CBFWA's budget is primarily due to the addition of Section 3, Objectives 1 and 2, which support subbasin planning (\$1,520,177). This additional task would be based on the expanded role of Fish and Wildlife Managers and CBFWA staff's involvement with the development and completion of subbasin plans under the Program amendments and meeting public involvement needs that the region requires. The budget shows an increase in CBFWA staff by one FTE for coordination and facilitation of subbasin plans under Program amendments. In addition, one FTE has been allocated to each tribe/agency (19 FTEs) for expanded role of Fish and Wildlife Managers in development and completion of subbasin plans under Program amendments. This proposed amount should be considered a placeholder, as the specific amount needed will be determined through discussions between CBFWA and NWPPC.

Additional cost of living increases have been included. Finally, the potential of the NWPPC requesting management of the ISAB contract would leave .45 FTE of CBFWA staff unfunded which is currently allocated to the ISAB contract.

Project 198906500 - Annual Stock Assessment - CWT (USFWS)

SRT: MainSys
FY00 funding level: \$110,586
FY01 forecast from FY00: \$121,645
FY01 request: \$114,094
Ongoing funding recommendation: \$114,094
New Funding: \$0

There is no change in scope of work. The budget has been adjusted to more accurately reflect anticipated costs.

Project 198906600 - Annual Stock Assessment-Coded Wire Tag Program (WDFW)

SRT: MainSys
FY00 funding level: \$373,852
FY01 forecast from FY00: \$385,067
FY01 request: \$411,213
Ongoing funding recommendation: \$411,213
New Funding: \$0

There is no change in scope of work. The budget has increased due to an increase in agency overhead from 20% to 23.5% and a 3% COLA will be in effect during 2001.

Project 198906900 - Annual Stock Assessment - Coded Wire Tag Program (ODFW)

SRT: MainSys
FY00 funding level: \$215,800
FY01 forecast from FY00: \$222,000
FY01 request: \$208,247

Ongoing funding recommendation: \$208,247
New Funding: \$0

The FY 2001 forecast made in FY 2000 included costs for VIE tagging (Objective 4). Although Objective 4 does continue in FY 2001 the 3 years of tagging will be completed in FY 2000. This decrease in spending was partially offset by an increase in the number of fish tagged under Objective 1 (additional 45,000). This is an increase in the number of fish tagged for two specific tag groups that had not been consistently reaching the goal of 30 observed recoveries.

There have been no new objectives/tasks added, and only minor changes in numbers of fish tagged in a few specific instances.

Project 198907201 - Independent Scientific Advisory Board Support

SRT: MainSys
FY00 funding level: \$99,918
FY01 forecast from FY00: \$100,000
FY01 request: \$100,027
Ongoing funding recommendation: \$100,027
New Funding: \$0

There is no change in scope or budget.

Project 198909600 - Monitor and Evaluate Genetic Characteristics of Supplemented Salmon and Steelhead

SRT: MainSys
FY00 funding level: \$175,000
FY01 forecast from FY00: \$250,000
FY01 request: \$249,200
Ongoing funding recommendation: \$249,200
New Funding: \$0

This project has been funded at \$250,000 in the past but was reduced in FY 2000 by 30%. Major budget reductions at this point are a significant concern for two reasons. First, in order to maintain the continuity of this unique and powerful data set it essential to continue the regular collection and genotyping of samples using the same genetic markers that comprise this very large data set (i.e., 23,000 fish genotyped for >70 allozyme loci). In spite of significant strides in the development and implementation of nonlethal DNA markers, these new markers simply can not replace the large body of existing allozyme data. Second, the interrelated nature of research objectives makes it impossible to simply omit specific tasks. Without complete funding, this study is at risk of significant compromise.

The central objective of this study, the characterization of genetic change through time, has remained unchanged since its inception in 1989. The workplan changes reflect a natural evolution toward nonlethal sampling and the implementation of new technologies. Continued allozyme analysis provides continuity with previous data while DNA markers permit nonlethal sampling and access to historic scale samples. Further, highly polymorphic microsatellite markers are now used to establish parentage and quantify reproductive success of hatchery and wild fish providing a powerful new tool for monitoring genetic change in real time in natural populations.

The NEOSEW SRT commented that aspects of this project are not well coordinated with the local managers and results are not being reported in a manner that can be easily accessed by the local managers.

Project 198909800 - Idaho Supplementation Studies

SRT: ID

FY00 funding level: \$974,229

FY01 forecast from FY00: \$975,000

FY01 request: \$975,000

Ongoing funding recommendation: \$975,000

New Funding: \$0

There is no change in scope or budget.

Project 198909801 - Evaluate Salmon Supplementation in Idaho Rivers (ISS)

SRT: ID

FY00 funding level: \$129,965

FY01 forecast from FY00: \$140,000

FY01 request: \$134,740

Ongoing funding recommendation: \$134,740

New Funding: \$0

There is no change in scope of work. The budget adjusted to more accurately reflect current costs.

Project 198909802 - Evaluate Salmon Supplementation Studies in Idaho Rivers

SRT: ID

FY00 funding level: \$377,455

FY01 forecast from FY00: \$390,000

FY01 request: \$399,352

Ongoing funding recommendation: \$388,818

New Funding: \$0

The budget has been adjusted due to a change in the indirect cost rate.

The PIT-tag costs were not included in the FY 2001 forecast and additional support staff was added for FY 2001. There was no change in project scope.

Project 198909803 - Evaluate Salmon Supplementation Studies in Idaho Rivers

SRT: ID
FY00 funding level: \$228,438
FY01 forecast from FY00: \$230,000
FY01 request: \$213,569
Ongoing funding recommendation: \$213,569
New Funding: \$0

Cost sharing of personnel within the department reduced the budget slightly. There is no change in scope of work.

Project 198910700 - Statistical Support for Salmonid Survival Studies

SRT: MainSys
FY00 funding level: \$184,930
FY01 forecast from FY00: \$187,000
FY01 request: \$246,560
Ongoing funding recommendation: \$0
New Funding: \$0

An additional task has been added to the project to help design and develop new adult PIT-tag analysis capabilities (Section 6, Objective 3 for a total of \$59,500). This task has not been technically reviewed by CBFWA and appears to be duplicative of a new task within project 9105100.

The new task at the request of the BPA is to participate in an interagency working group to design and implement an adult PIT-tag detection system for monitoring and evaluating adult salmonid upriver migration performance. The project will develop data analysis capabilities and operational recommendations for the new facilities.

This project fails to inform critical management decisions. It should include such services as a part of other projects tied to specific tasks or products. This project should not be funded as part of the Fish and Wildlife Program since it is not subject to the same standards of the regional review process.

Project 198910800 - Monitor and Evaluate Modeling Support

SRT: MainSys
FY00 funding level: \$411,300
FY01 forecast from FY00: \$411,300
FY01 request: \$760,000

Ongoing funding recommendation: \$0
New Funding: \$0

The previous funding for FY 2000 was spread over three contracts. These are combined into one contract for FY 2001 resulting in savings.

The NWPPC has decided to stop funding PATH related projects. This is a PATH project and should not be funded to remain consistent with the NWPPC's recommendation for tribal, state and federal agency participation in PATH.

This project fails to inform critical management decisions. It should include such services as a part of other projects tied to specific tasks or products. This project should not be funded as part of the Fish and Wildlife Program since it is not subject to the same standards of the regional review process.

Project 199000500 - Umatilla Hatchery Monitoring and Evaluation

SRT: NEOSEW
FY00 funding level: \$650,000
FY01 forecast from FY00: \$743,236
FY01 request: \$717,422
Ongoing funding recommendation: \$757,422
New Funding: \$0

The cost of CWTs for this project has dramatically increased due to the loss of an access to inexpensive tags. Prior to this year, the project sponsor's tag cost was \$5/1000. Reduction in costs may occur if the fall chinook sub-yearling program is reduced at the Umatilla hatchery (198343500 and 198903500).

Proposed \$40,000 in FY 2000 carry forward.

Project 199000501 - Umatilla Basin Natural Production Monitoring and Evaluation

SRT: NEOSEW
FY00 funding level: \$480,000
FY01 forecast from FY00: \$586,000
FY01 request: \$318,333
Ongoing funding recommendation: \$318,333
New Funding: \$0

This project is operated in conjunction with the Walla Walla Natural Production Monitoring and Evaluation Program (one BPA contract but with two proposals and annual reports). Monitoring activities in the Umatilla Basin have decreased from a decade of intense evaluations to a more streamlined monitoring program. Monitoring in the Umatilla will decrease further after the radio telemetry and PIT tagging projects are completed in 2001. Habitat surveys will not be conducted and the intense spawning and

electrofishing surveys have been reduced to index areas only. Monitoring activities in the Walla Walla Basin have increased in accord with the current and forthcoming restoration activities. Restoration planning and implementation will require more information about the Walla Walla Basin salmonids. Combined budgets for the two M&E projects have increased 3.7% from last years reduced funding level but are 20% lower than forecasted for FY 2001 in the FY 2000 proposals.

Project 199005200 - Performance/Stock Productivity Impacts of Hatchery Supplementation.

SRT: MainSys

FY00 funding level: \$460,000

FY01 forecast from FY00: \$519,000

FY01 request: \$527,706

Ongoing funding recommendation: \$527,706

New Funding: \$0

This modest change (+\$8700) resulted from more accurate cost estimates, and the need to process samples that would have been processed the previous year had FY 2000 funding not been below the requested level.

There is no change in scope of work. This proposal is consistent with the outyear estimates that will bring it to conclusion in FY 2003.

Project 199005500 - Steelhead Supplementation Studies in Idaho Rivers

SRT: ID

FY00 funding level: \$407,744

FY01 forecast from FY00: \$273,000

FY01 request: \$532,865

Ongoing funding recommendation: \$532,865

New Funding: \$0

In FY 2000, the budget was reduced by \$160,000 due to budget restrictions within the Idaho SRT. This was achieved by reduction of DNA sample analysis, but the SRT recommended funding this objective in the future. \$200,000 is needed to complete the DNA analysis of steelhead stocks (all samples collected in the summer 2000). FY 2001 forecast did not include the cost of PIT-tags (\$24,000) or purchase of a new truck (\$18,000) to replace an old vehicle. The remaining \$31,000 is to cover increased overhead, operating, and personnel costs. We anticipate, in the future, that this project will reduce or complete work on tasks outlined in this form. They plan to implement other tasks (for example: resident /anadromous rainbow interactions, kelt research) that were identified in the original study design.

The stock structure analysis (DNA sub-contract) was approved by the ISRP during the FY 2000 review conducted in 1999.

Project 199007700 - Northern Pikeminnow Management Program

SRT: MainSys
FY00 funding level: \$2,506,000
FY01 forecast from FY00: \$3,405,000
FY01 request: \$3,153,103
Ongoing funding recommendation: \$3,153,103
New Funding: \$0

The changes result from elimination of some components of the dam angling task and site-specific fishing by Columbia River tribes and the Columbia River Intertribal Fish Commission. In addition, cost efficiencies in the running of registration/check stations helped offset some of the inflationary costs.

Some dam angling and site-specific fisheries are not currently productive in areas where they had been in the past.

Project 199007800 - Evaluate Predator Removal: Large-scale Patterns

SRT: MainSys
FY00 funding level: \$117,880
FY01 forecast from FY00: \$0
FY01 request: \$123,193
Ongoing funding recommendation: \$0
New Funding: \$123,193

The MainSys SRT is concerned that this is a second year of work that was not identified in the FY 2000 proposal. Therefore, it has not been technically reviewed, or at the least the recommendation from this group last year did not reflect two years worth of study. This work is being flagged as new due to the addition of a second year of work and possible changes in study design.

Project 199008000 - Columbia River Basin PIT Tag Information Systems

SRT: MainSys
FY00 funding level: \$1,364,976
FY01 forecast from FY00: \$1,419,575
FY01 request: \$1,592,551
Ongoing funding recommendation: \$1,506,301
New Funding: \$86,250

The MainSys SRT supports the addition of the Yakama Acclimation Ponds (Jack Creek (CJ), Clark Flat (CFJ) and Easton (EAJ). However, the addition of the PTAGIS data training video would constitute a new task (Objective 4, Task G). The SRT also questions the high cost of the video production.

There is no change in scope of work.

Project 199009300 - Genetic Analysis of Oncorhynchus Nerka (Modified to Include Chinook Salmon)

SRT: MainSys

FY00 funding level: \$139,434

FY01 forecast from FY00: \$145,000

FY01 request: \$130,564

Ongoing funding recommendation: \$130,564

New Funding: \$0

There is no change in scope of work. The reduction in budget is due to cost cutting measures. Microsatellite analysis will be conducted off campus at the Hagerman Fish Culture Experiment Station instead of the laboratory at Moscow. Thus, the off campus indirect cost rate (20.7%) applies instead of an indirect rate of 47%.

Project 199102800 - Monitoring Smolt Migrations of Wild Snake River Spring/Summer Chinook Salmon

SRT: MainSys

FY00 funding level: \$325,200

FY01 forecast from FY00: \$325,000

FY01 request: \$325,000

Ongoing funding recommendation: \$325,000

New Funding: \$0

There is no change in scope of work or budget.

This project is not coordinated well with managers. Data could be collected in conjunction with other studies. Concerns with tagging populations on the verge of extinction. Data gathered may not be worth the risk to the populations. Information provided by the project has only been marginally useful. This project is viewed by NMFS as a requirement under the Biological Opinion.

Project 199102900 - Life History and Survival of Fall Chinook Salmon in Columbia River Basin

SRT: MainSys

FY00 funding level: \$743,558

FY01 forecast from FY00: \$799,525

FY01 request: \$699,000

Ongoing funding recommendation: \$699,000

New Funding: \$0

There is no change in scope of work. Portions of some study tasks have been completed ahead of schedule, which resulted in a reduction in budget.

Project 199105100 - Monitoring and Evaluation Statistical Support

SRT: MainSys
FY00 funding level: \$340,357
FY01 forecast from FY00: \$343,000
FY01 request: \$368,300
Ongoing funding recommendation: \$0
New Funding: \$0

There is an increase in lease rate for facilities and expanded scope of work.

The new task includes analysis of adult tagging information (i.e., PIT-tag, radio-tag) to determine anticipated performance of a new adult PIT-tag system in the Columbia River (Objective 2, Tasks d and e for a total of \$25,300). This task has not been technically reviewed by CBFWA and appears to be duplicative of a new task within project 8910700.

The objectives are not clearly defined. This project appears to be an open-ended contract for statistical support on retainer. There appears to be no specific objectives with deliverables and due dates. It fails to inform critical management decisions. It should include such services as a part of other projects tied to specific tasks or products. This project should not be funded as part of the Fish and Wildlife Program since it is not subject to the same standards of the regional review process.

Project 199105500 - NATURES [Formerly Supplementation Fish Quality (Yakima)]

SRT: MainSys
FY00 funding level: \$500,000
FY01 forecast from FY00: \$500,000
FY01 request: \$525,000
Ongoing funding recommendation: \$525,000
New Funding: \$0

There is no change in scope of work. The change in budget reflects inflation adjustments that were not made in the FY 2000 forecast.

Project 199105700 - Yakima Phase II [Fish] Screen Fabrication

SRT: WA
FY00 funding level: \$293,113
FY01 forecast from FY00: \$150,000
FY01 request: \$71,875
Ongoing funding recommendation: \$71,875

New Funding: \$0

Out year planning was based on the assumption that all diversion within the Yakima Basin would be treated as part of Phase II. It has now been decided by Yakima Basin Passage-TWG that a Phase III will be needed to treat the remaining unscreened or inadequately screened diversions. There is no change in scope of work.

Project 199107100 - Snake River Sockeye Salmon Habitat and Limnological Research

SRT: ID

FY00 funding level: \$427,000

FY01 forecast from FY00: \$451,000

FY01 request: \$412,260

Ongoing funding recommendation: \$412,260

New Funding: \$0

The budget has been reduced due to sharing personnel within the department. There is no change in scope of work.

Project 199107200 - Redfish Lake Sockeye Salmon Captive Broodstock Program

SRT: ID

FY00 funding level: \$680,096

FY01 forecast from FY00: \$680,097

FY01 request: \$714,102

Ongoing funding recommendation: \$714,102

New Funding: \$0

The change reflects increased indirect costs (State of Idaho) and a long overdue adjustment to account for increased costs associated with personnel and operating budgets. In addition, this increase reflects capital monies needed to replace a primary well motor and pump. There is no change in scope of work.

Project 199107300 - Idaho Natural Production Monitoring and Evaluation

SRT: ID

FY00 funding level: \$767,512

FY01 forecast from FY00: \$838,439

FY01 request: \$838,439

Ongoing funding recommendation: \$838,439

New Funding: \$0

There is no change in scope or budget. This project received a thorough review by the ISRP in FY 2000 and concerns were addressed.

Project 199107500 - Yakima Phase II Screens - Construction

SRT: WA

FY00 funding level: \$1,000,000

FY01 forecast from FY00: \$1,000,000

FY01 request: \$1,000,000

Ongoing funding recommendation: \$1,048,800

New Funding: \$0

There is no change in scope of work or budget. Proposed \$48,800 in FY 2000 carry forward.

Project 199202400 - Yakima [Fish] Screens - Phase II- O&M

SRT: WA

FY00 funding level: \$133,591

FY01 forecast from FY00: \$140,000

FY01 request: \$141,120

Ongoing funding recommendation: \$141,120

New Funding: \$0

There is no change in budget or scope of work.

Project 199202200 - Physiological Assessment of Wild and Hatchery Juvenile Salmonids

SRT: MainSys

FY00 funding level: \$349,589

FY01 forecast from FY00: \$359,000

FY01 request: \$350,024

Ongoing funding recommendation: \$350,024

New Funding: \$0

There is no change in scope of work. The reduction in budget more accurately reflects anticipated costs.

Project 195505500 - Protect Critical Salmonid Habitat And Habitat Restoration Investments

SRT: None

FY00 funding level: \$0 - No proposal submitted

FY01 forecast from FY00: \$0

FY01 request: \$214,533

Ongoing funding recommendation: \$0

New Funding: \$0

This project did not submit a proposal in FY 2000 due to confusion on the NWPPC policy towards conservation enforcement projects. Therefore, this project was not funded in FY 2000 and will pursue funding through the within year budget modification process for FY 2000. It is expected that through that process, the same standards and requirements created for the existing two conservation enforcement projects can be established for this project.

Project 199202409 - Enhanced Conservation Enforcement for Fish & Wildlife, Watersheds of the Nez Perce

SRT: ID

FY00 funding level: \$425,236

FY01 forecast from FY00: \$425,236

FY01 request: \$465,509

Ongoing funding recommendation: \$461,310

New Funding: \$0

The budget has been adjusted due to a change in the indirect cost rate.

The projected fringe and overhead rates changed for FY 2001 and officer salary increases are expected. There is no change in scope of work.

The conditions for funding this project in FY 2000 included providing a closing report that responds to the following questions:

1. For each species or resource identified by the project, how did the project address the problems facing the species or resource, and how did the project reduce the threat(s) facing the species or resource?
2. For each species or resource identified by the project, what specific benefits did the project provide in terms of increases in abundance and/or survival and what specific benefits did the project provide in changes in habitat quality and quantity?
3. For the tasks listed in the proposal, what specific activities were necessary to complete the task objectives?
4. What Bonneville Power Administration funded projects does this project benefit, and how does this project provide those benefits?
5. What specific activities constitute coordination with other federal, state or tribal law enforcement entities, and how have those activities improved the overall performance of the agencies' programs?
6. Complete the Performance Measures and Standards as part of the closing report,

The project sponsors should also focus on the monitoring and evaluation components of the project in order to address the quantitative data outlined in the Performance Measures and Standards, and the questions posed in this recommendation. In addition, project sponsors should develop an interim report following the close of the spring chinook season as a means to coordinate with the managers and fellow law enforcement bodies on the effectiveness of the projects.

Project 199202601 - Implement the Grande Ronde Model Watershed Program Administration and Habitat Restoration Projects

SRT: NEOSEW

FY00 funding level: \$930,000

FY01 forecast from FY00: \$1,095,000

FY01 request: \$1,196,000

Ongoing funding recommendation: \$1,196,000

New Funding: \$0

The project has been created from two projects that had been funded at a level of \$1,145,000. In FY 2000, a significant amount of carry forward and matching OWEB funding was used which reduced the FY 2000 budget. For FY 2001, the sponsors are requesting the level necessary to maintain the program. There is an actual \$51,000 increase that will be used to conduct additional watershed assessments and update current assessments to address NWPPC/BPA outyear funding requirements. The restoration project effectiveness monitoring program will be expanded.

Project 199202603 - Idaho Model Watershed Administration/Implementation Support

SRT: ID

FY00 funding level: \$185,400

FY01 forecast from FY00: \$200,000

FY01 request: \$272,440

Ongoing funding recommendation: \$272,440

New Funding: \$0

Continuation of subbasin assessment on upper Salmon River Basin in conjunction with University of Idaho, and the addition of one FTE as biologist/habitat planner.

There are no new objectives in this proposal. There is an expansion initiated with the Model Watershed coordination in 1999 to include the geographical area of the Salmon Subbasin from the mouth of the Middle Fork of the Salmon River to its headwaters in the Upper Stanley Basin. This expansion was to maintain consistency with NWPPC subbasin physical designations and has been planned for several years.

Project 199202604 - Investigate Early Life History of Spring Chinook Salmon and Summer Steelhead in the Grande Ronde River Basin

SRT: NEOSEW

FY00 funding level: \$700,000

FY01 forecast from FY00: \$821,545

FY01 request: \$725,423

Ongoing funding recommendation: \$725,423

New Funding: \$0

The previous budgets included contract work with Oregon State University that was completed in FY 2000. Therefore, there is a decrease from the FY 2001 projected budget. The increases from FY 2000 are due to COLAs.

Project 199204000 - Redfish Lake sockeye Salmon Captive Broodstock Rearing and Research

SRT: ID

FY00 funding level: \$475,000

FY01 forecast from FY00: \$525,000

FY01 request: \$560,000

Ongoing funding recommendation: \$560,000

New Funding: \$0

The increase in budget is due to inflation adjustments that were not made in the FY 2000 forecast and the cost of the freshwater rearing facility lease is anticipated to increase. There is no change in scope of work.

Project 199302900 - Survival Estimates for the Passage of Juvenile Salmonids Through Snake and Columbia River Dams and Reservoirs

SRT: MainSys

FY00 funding level: \$1,198,950

FY01 forecast from FY00: \$1,200,000

FY01 request: \$1,194,700

Ongoing funding recommendation: \$1,194,700

New Funding: \$0

There is no change in scope of work or budget.

Project 199303501 - Enhance Fish, Riparian, and Wildlife Habitat Within the Red River Watershed

SRT: ID

FY00 funding level: \$450,000

FY01 forecast from FY00: \$570,000

FY01 request: \$570,000

Ongoing funding recommendation: \$570,000

New Funding: \$0

There is no change in scope or budget. The funding in FY 2000 was reduced due to budget limitations within the Idaho SRT.

Project 199303701 - Technical Assistance with Life Cycle Modeling

SRT: MainSys

FY00 funding level: \$180,000

FY01 forecast from FY00: \$185,000

FY01 request: \$185,000

Ongoing funding recommendation: \$0

New Funding: \$0

There is no change in scope of work or budget.

The NWPPC has decided to stop funding PATH related projects. This is a PATH project and should not be funded to remain consistent with the Council recommendation for tribal, state and federal agency participation in PATH.

This project fails to inform critical management decisions. It should include such services as a part of other projects tied to specific tasks or products. This project should not be funded as part of the Fish and Wildlife Program since it is not subject to the same standards of the regional review process.

Project 199304000 - Fifteenmile Creek Habitat Restoration Project (Request For Multi-Year Funding)

SRT: CEOR

FY00 funding level: \$246,856

FY01 forecast from FY00: \$254,621

FY01 request: \$220,040

Ongoing funding recommendation: \$220,040

New Funding: \$0

There is a reduction in budget from FY 2000. The cost savings resulted from the elimination of high maintenance action items.

Project 199304001 - 15-Mile Creek Steelhead Smolt Production

SRT: CEOR

FY00 funding level: \$27,180

FY01 forecast from FY00: \$28,500

FY01 request: \$33,704

Ongoing funding recommendation: \$33,704

New Funding: \$0

The budget was higher than the FY 2000 forecast because they are requesting dollars to purchase a downstream migrant trap. The U.S. Fish and Wildlife Service has allowed the project sponsors to use one of their surplus traps in past fiscal years, but this trap will not be available for use, by this project, in FY 2001. This is a one time purchase that was identified in the FY 2000 proposal. There is no change in scope of work.

Project 199305600 - Assessment of Captive Broodstock Technology

SRT: MainSys

FY00 funding level: \$1,236,923

FY01 forecast from FY00: \$1,400,000

FY01 request: \$1,400,200

Ongoing funding recommendation: \$1,400,200

New Funding: \$0

There is no change in budget.

In February 1999, project coordinators consulted with the Stanley Basin Sockeye and Snake River Chinook Technical Oversight Committees, including the project's BPA COTR, to assist in prioritizing research objectives. As a result Objective 7, Improve Olfactory Imprinting in Sockeye Salmon, was identified as critical to the success of the sockeye salmon captive broodstock program and was added to this research project. Other lower priority objectives were phased-out to accommodate this research. The remaining objectives may appear different from the FY 2000 proposal. This is because the project outline has been reorganized to better communicate the objectives, tasks, and products of the project in response to the FY 2000 ISRP project review. The MainSys SRT supports the reorganization of tasks and objectives.

Project 199306000 - Select Area Fishery Evaluation Project

SRT: LwrCol

FY00 funding level: \$1,400,000

FY01 forecast from FY00: \$1,500,000

FY01 request: \$1,649,842

Ongoing funding recommendation: \$1,649,842

New Funding: \$0

The LwrCol SRT supports this project as proposed. The 10% increase in budget is due to the addition of one employee and the planned continued expansion of the program.

Project 199306200 - Salmon River Anadromous Fish Passage Enhancement

SRT: ID

FY00 funding level: \$100,000

FY01 forecast from FY00: \$100,000

FY01 request: \$200,000
Ongoing funding recommendation: \$200,000
New Funding: \$0

In an effort to take a more holistic approach, the Model Watershed Project, in response to NWPPC and ISRP evaluation, plans to expand the MWP boundaries from three watersheds to the entire Upper Salmon Subbasin. In response to ISRP's comments, site specific restoration plans give the guidance in restoring physical processes for fish migration habitat restoration. The budget increase is mostly due to an increase in construction costs and some additional planning efforts. Also, monitoring and evaluation will be stepped up.

The increase in scope is because the Model Watershed boundaries have enlarged to include Salmon Subbasin from its headwaters to the mouth of the Middle Fork Salmon River.

Project 199306600 - Oregon Fish Screening Project

SRT: CEOR
FY00 funding level: \$641,621
FY01 forecast from FY00: \$671,752
FY01 request: \$641,621
Ongoing funding recommendation: \$641,621
New Funding: \$0

Refinement of and review of the spending history of this project revealed that outyear costs were less than anticipated. There is no change in scope of work.

Project 199401500 - Idaho Fish Screen Improvement - O-M

SRT: ID
FY00 funding level: \$1,000,000
FY01 forecast from FY00: \$1,000,000
FY01 request: \$1,000,000
Ongoing funding recommendation: \$1,000,000
New Funding: \$0

There is no change in scope or budget.

Project 199401700 - Idaho Model Watershed Habitat Project

SRT: ID
FY00 funding level: \$400,000
FY01 forecast from FY00: \$400,000
FY01 request: \$860,000
Ongoing funding recommendation: \$490,000

New Funding: \$370,000

In an effort to take a more holistic approach, the Model Watershed Project, in response to NWPPC and ISRP evaluation, plans to expand the MWP boundaries from three watersheds to the entire Upper Salmon Subbasin. In response to ISRP's comments, site specific restoration plans give the guidance in restoring physical processes for fish migration habitat restoration.

The increase in scope is because it's the Model Watershed boundaries have enlarged to include the Salmon Subbasin from headwaters to the mouth of the Middle Fork Salmon River. The increase in budget is due to the use of the most current technology, using aerial surveys with 2-ft contours, to achieve the objectives that were approved for FY 2000 (Section 3, Objective 2 for \$370,000). This new work will significantly contribute to the subbasin assessment work being performed to support the subbasin planning efforts expected in the next several years.

This new work should be technically reviewed by CBFWA before funding.

Project 199401805 - Continued Implementation of Asotin Creek Watershed Habitat Projects

SRT: NEOSEW

FY00 funding level: \$235,000

FY01 forecast from FY00: \$235,000

FY01 request: \$235,000

Ongoing funding recommendation: \$235,000

New Funding: \$0

There is no change in budget. The slight change in scope is to accommodate adaptive management changes from monitoring projects, agency perspectives, landowner cooperation, and partnered funding sources.

Project 199401806 - Implement Tucannon River Model Watershed Plan to Restore Salmonid Habitat

SRT: NEOSEW

FY00 funding level: \$253,000

FY01 forecast from FY00: \$330,000

FY01 request: \$330,000

Ongoing funding recommendation: \$330,000

New Funding: \$0

This project has no increase from their FY 2001 projected budget. The 5-Year Milestone Comprehensive Project Evaluation has been added as called for in the Tucannon River Model Watershed Plan to address monitoring concerns with this project. This evaluation

will validate current restoration activities and guide future project activities based on evaluation findings.

Project 199401807 - Continued Implementation of Pataha Creek Model Watershed Plan to Restore Habitat for Salmonids

SRT: NEOSEW

FY00 funding level: \$120,000

FY01 forecast from FY00: \$200,000

FY01 request: \$148,700

Ongoing funding recommendation: \$148,700

New Funding: \$0

The FY 2000 proposal was reduced to \$167,000 from \$213,000 by the CBFWA, NEOSEW sub-regional team in FY 2000 due to budget constraints. Approximately 80% of this request is for on the ground implementation projects.

Project 199402600 - Pacific Lamprey Research and Restoration Project

SRT: MainSys

FY00 funding level: \$381,190

FY01 forecast from FY00: \$408,000

FY01 request: \$453,267

Ongoing funding recommendation: \$341,210

New Funding: \$112,057

The increase is in part due to expanded need for travel/vehicles to accomplish increased tasks. The lamprey project currently has one GSA vehicle. This is inadequate to address the necessary project tasks listed above. We are in the initial stages of implementing the lamprey restoration plan for the Umatilla River which has added more monitoring and evaluation. We are working to accomplish many new objectives and tasks to evaluate the outplanting adults in the Umatilla River.

Finalization of the restoration plan for Pacific lampreys in the Umatilla River in 1999 identified additional necessary monitoring and evaluation tasks that were not identified when the initial FY 2001 Budget projection was made in 1998. Additional tasks now proposed include; 2abc (\$45,325), 3abcd (\$66,372). The MainSys SRT has flagged these new tasks to insure that they have been technically reviewed. A lamprey master plan was recently completed and technical review may have been completed in that forum.

Project 199403300 - The Fish Passage Center (FPC)

SRT: MainSys

FY00 funding level: \$1,079,363

FY01 forecast from FY00: \$1,119,984

FY01 request: \$1,293,787

Ongoing funding recommendation: \$1,119,984
New Funding: \$173,803

The primary reason for change in the estimated budget is the addition of an analytical staff position, which would benefit the agencies and tribes by enhancing the FPC ability to respond to requests for analysis, review of proposed studies and review of research results and their applications to fish passage management and mitigation decisions. Change in budget is \$173,803. The addition of this position has not been agreed upon by CBFWA. The tribes have a desire to have their manager position reinstated as a priority over additional analytical staff. This is a policy discussion that needs to be resolved at CBFWA.

The volume of data generated by the Comparative Survival Study (CCS) is increasing. Specific analytical expertise would assist FPC in completing the data analysis and report for CSS Oversight Committee review more quickly. The CSS study has an increasingly broad application and could become a significant component of the Artificial Production Review. Additional analytical capability allows the FPC to better respond to the agencies and tribes' analysis needs in this process. The regional process has added a large burden to the agencies and tribes' technical staffs for reviewing study proposals and research results. These research projects become the basis for fish mitigation decisions. Review of research proposals and results by FPC staff is efficient because initial staff technical work is provided to all agencies and tribes which reduces duplication of effort. State, tribal and federal salmon managers use technical reviews to develop positions on research funding and application of results.

Project 199403400 - Assessing Summer and Fall Chinook Restoration in the Snake River Basin

SRT: ID
FY00 funding level: \$316,822
FY01 forecast from FY00: \$323,400
FY01 request: \$105,058
Ongoing funding recommendation: \$105,058
New Funding: \$0

The budget has been adjusted due to a change in the indirect cost rate.

Year 2001 will be the fifth and final year for Lyons Ferry Hatchery fall chinook subyearling survival research and this 2001 budget reflects those costs plus PIT tag costs for the wild fall chinook subyearlings captured in the lower Clearwater. The monitoring and evaluation part of this fall chinook salmon project in the Clearwater River Subbasin will continue beyond 2001 and has been incorporated into the Nez Perce Tribal Hatchery (NPTH) Monitoring and Evaluation Action Plan (project 198335003) which has been submitted for 2001 funding. Funding for staff time, fall chinook aerial redd surveys and other monitoring tasks not associated with the Lyons Ferry Hatchery subyearling survival

research have been incorporated within Project 198335003 and is reflected by the 67.5% decrease in the FY 2000 projected budget.

The rationale for inclusion of this project under the Nez Perce Hatchery Monitoring and Evaluation is because the supplementation of fall Chinook salmon in the Clearwater River Subbasin will be directly from the hatchery or from new acclimation facilities. Also, emigration survival research in the lower Clearwater River using Lyons Ferry Hatchery fall Chinook subyearlings will have five consecutive years of data and will be completed in 2001. The final report for this project will be compiled during the first part of 2002. The ISRP reviewed NPTH M&E Action Plan which provides comprehensive monitoring and evaluation for NPTH most M&E tasks that are already being collected through this project, but on a smaller scale.

Project 199403900 - Watershed Restoration Planner

SRT: NEOSEW

FY00 funding level: \$55,313

FY01 forecast from FY00: \$61,089

FY01 request: \$61,095

Ongoing funding recommendation: \$61,095

New Funding: \$0

The increase is due to COLAs and portion of an office coordinator. This project is closely related to Project 199702500 which covers implementation funding. There is no change in scope of work.

Project 199404200 - Trout Creek Habitat Restoration Project

SRT: CEOR

FY00 funding level: \$358,847

FY01 forecast from FY00: \$389,800

FY01 request: \$358,846

Ongoing funding recommendation: \$358,846

New Funding: \$0

There is an elimination of Oregon State Police task from proposed budget. There is no change in scope of work.

Project 199405000 - Salmon River Habitat Enhancement M&E

SRT: ID

FY00 funding level: \$245,000

FY01 forecast from FY00: \$240,000

FY01 request: \$240,000

Ongoing funding recommendation: \$240,000

New Funding: \$0

There is no change in scope or budget.

Project 199405900 - Yakima Basin Environmental Education

SRT: WA

FY00 funding level: \$125,186

FY01 forecast from FY00: \$125,000

FY01 request: \$127,500

Ongoing funding recommendation: \$127,500

New Funding: \$0

There is no change in budget or scope of work.

Project 199406900 - Develop Spawning Habitat Model to Aid Recovery Plans for Snake River Fall Chinook Salmon

SRT: WA

FY00 funding level: \$149,907

FY01 forecast from FY00: \$340,000

FY01 request: \$225,000

Ongoing funding recommendation: \$225,000

New Funding: \$0

The FY 2000 proposal included a total of four objectives (three research objectives and one reporting objective). CBFWA recommended that only objective 1 be funded (\$150,000). The cost to complete this objective was actually higher because money to complete annual reports (~\$15,000) was included in the reporting objective which CBFWA did not recommend for funding. Thus, BPA authorized a total of \$165,000 for this project in FY 2000. The proposed budget in FY 2001 is more than the amount awarded in FY 2000. This increase was due to higher than expected costs associated with constructing a 2-D hydraulic model for the Hanford Reach. The additional money will be used to support a staff member to construct and calibrate the model; make model runs; and complete model validation. The model is critical to the success of the project.

The change in scope from what was originally proposed in FY 2000 accommodates the reduced budget approved by CBFWA. Therefore, the second and third objectives (i.e., look for steelhead spawning and conduct hyporheic work in Snake River) were not proposed here. For FY 2001, the reporting objective was bundled into the first objective. Thus, there is only one objective proposed for FY 2001.

The WA SRT supports this project in its current state.

Project 199500700 - Hood River Production Program - PGE: O&M

SRT: CEOR

FY00 funding level: \$50,010
FY01 forecast from FY00: \$90,000
FY01 request: \$51,517
Ongoing funding recommendation: \$51,517
New Funding: \$0

Budget is less than FY 2001 forecast. The number of facility upgrades were less than expected. There is no change in scope of work.

Project 199503300 - O&M of Yakima Phase II Fish Facilities

SRT: WA
FY00 funding level: \$99,520
FY01 forecast from FY00: \$105,000
FY01 request: \$108,799
Ongoing funding recommendation: \$108,799
New Funding: \$0

There is no change in scope or budget. The WA SRT questions the responsibility of BPA to fund the O&M of many of these fish screens. This may be a legal requirement of other entities. A future review should include the appropriateness of BPA funding O&M for legally mandated functions.

Project 199506325 - Yakima/Klickitat Fisheries Project Monitoring and Evaluation

SRT: WA
FY00 funding level: \$4,309,934
FY01 forecast from FY00: \$4,918,330
FY01 request: \$4,136,432
Ongoing funding recommendation: \$4,136,432
New Funding: \$0

Certain projects were dropped as unfeasible, PIT-tag costs declined and the need for new M&E efforts anticipated earlier failed to materialize. The WA SRT is unable to provide a comprehensive review of this program using the project proposals submitted for BPA funding. A technical review should be performed in coordination with the annual program review currently being provided by YKFP.

Project 199506425 - Policy/Technical Involvement and Planning in the Yakima/Klickitat Fisheries Project

SRT: WA
FY00 funding level: \$275,000
FY01 forecast from FY00: \$275,000
FY01 request: \$260,000
Ongoing funding recommendation: \$260,000

New Funding: \$0

The budget has reduced due to refinement from expenditure history. The WA SRT is unable to provide a comprehensive review of this program using the project proposals submitted for BPA funding. A technical review should be performed in coordination with the annual program review currently being provided by YKFP.

Project 199600500 - Independent Scientific Advisory Board

SRT: MainSys

FY00 funding level: \$683,580

FY01 forecast from FY00: \$704,124

FY01 request: \$704,124

Ongoing funding recommendation: \$704,124

New Funding: \$0

There is no change in budget or scope of work.

Project 199600700 - Irrigation Diversion Consolidation and Water Consolidation

SRT: ID

FY00 funding level: \$293,113

FY01 forecast from FY00: \$250,000

FY01 request: \$250,000

Ongoing funding recommendation: \$250,000

New Funding: \$0

There is no change in scope or budget.

Project 199601100 - Walla Walla River Juvenile and Adult Passage Improvements

SRT: MajCon

FY00 funding level: \$2,840,000

FY01 forecast from FY00: \$250,000

FY01 request: \$1,851,000

Ongoing funding recommendation: \$1,851,000

New Funding: \$0

The two primary reasons for the large increase over the FY2000 budget forecast are; 1) cost inflation for construction of currently implemented projects have resulted in budget shortages for previously identified projects and 2) additional projects identified for passage improvement since the original list was developed prior to ESA listings in the basin. Since ESA listings of summer steelhead and bull trout, additional projects have been identified by the Walla Walla Technical Work Group as critical for passage of these species. Many smaller projects are also being developed to improve passage conditions as a result of ESA which the requested "small project fund" would provide cost share funds

of up to 50% for implementation/construction. Types of projects which would fall under this program would include conversions from gravity to pump diversions and elimination of pushup dams through use of rock weirs. The FY2000 forecast had identified only O&M costs for the outyears. As efforts in the basin have intensified due to the ESA listings and additional information has become available, the relative importance of various passage improvement projects has been reprioritized and new projects have been identified for implementation.

Although there has been no change in scope for this project, additional activities appear to have been added. It is not clear if these activities have been technically reviewed by an oversight committee, but they should probably be technically reviewed by the Anadromous Fish Committee prior to funding.

Project 199601700 - Provide Technical Support to BPA and Regional Analytical Forums

SRT: MainSys
FY00 funding level: \$109,000
FY01 forecast from FY00: \$110,000
FY01 request: \$110,000
Ongoing funding recommendation: \$0
New Funding: \$0

There is no change in scope of work or budget.

The NWPPC has decided to stop funding PATH related projects. This is a PATH project and should not be funded to remain consistent with the Council recommendation for tribal, state and federal agency participation in PATH.

This project fails to inform critical management decisions. The project should include such services as a part of other projects tied to specific tasks or products. This project should not be funded as part of the Fish and Wildlife Program since it is not subject to the same standards of the regional review process.

Project 199601900 - Second-Tier Database Support

SRT: MainSys
FY00 funding level: \$195,000
FY01 forecast from FY00: \$150,000
FY01 request: \$345,000
Ongoing funding recommendation: \$0
New Funding: \$0

This project is proposing new work that has not been technically reviewed. This work also addresses a course of action (reliance on spawner-recruit models) that has not been agreed upon within the basin. It is premature to fund this work until a larger discussion

on these issues is completed and the NWPPC Amendment Process is concluded. This would also put an intensive analysis task within a data base project. These tasks would be better addressed as a new proposal for FY 2002.

The proposed budget is 74% larger than forecast last year due to the inclusion of new tasks 3 (\$95,000) and 4 (\$52,000). Task 4 anticipates ISRP recommendations to improve regional information planning and coordination. Task 3 reflects the need for consistent performance measures for assessing recovery and system wide adaptive management efforts. The remaining work approximates what was previously estimated at \$198,000.

This project should not be funded as part of the Fish and Wildlife Program since it is not subject to the same standards of the regional review process. This project also appears to duplicate efforts supported within other data management projects (i.e. Streamnet).

Project 199602000 - Comparative Survival Rate Study (CSS) of Hatchery Pit Tagged Chinook & Comparative Survival Study Oversight Committee

SRT: MainSys

FY00 funding level: \$936,201

FY01 forecast from FY00: \$983,011

FY01 request: \$851,979

Ongoing funding recommendation: \$851,979

New Funding: \$0

There is no change in scope of work. Some line item costs such as PIT tag per item cost has decreased.

Project 199602100 - Gas Bubble Disease Research and Monitoring of Juvenile Salmonids

SRT: MainSys

FY00 funding level: \$43,711

FY01 forecast from FY00: \$45,022

FY01 request: \$23,269

Ongoing funding recommendation: \$23,269

New Funding: \$0

The scope of work has decreased as fewer sites are being monitored.

The smolt monitoring program reduced the number of fish to be examined. The reduction in budget is not in the number of fish that will be examined, but in the number of sites they will be asked to visit for quality assurance and control.

Project 199603501 - Satus Watershed Restoration

SRT: WA

FY00 funding level: \$472,252
FY01 forecast from FY00: \$400,000
FY01 request: \$160,000
Ongoing funding recommendation: \$160,000
New Funding: \$0

Watershed analysis indicates that future activities should focus on land use management. This project is scaling down to an O&M operating budget. There is no change in the scope of work.

Project 199604000 - Evaluate the Feasibility and Risks Of Coho Reintroduction in Mid-Columbia

SRT: WA
FY00 funding level: \$100,000
FY01 forecast from FY00: \$1,650,000
FY01 request: \$2,048,201
Ongoing funding recommendation: \$834,223
New Funding: \$1,218,978

During the FY 2000 technical review, this project was recommended for full funding in the Wenatchee and the Methow basins, but not in the Entiat (budget was reduced to reflect the change in scope). Introduction of coho into those subbasins was agreed on. During the FY 2000 budget balancing exercise, the budget was additionally cut to \$100,000 due to budget restrictions. This year's proposal reflects most of what the SRT technical review supported in FY 2000. New objectives appear to have been added under Section 4 (\$280,000) and Section 5 (\$938,978) of the FY 2001 proposal for a total of \$1,188,978. The objectives under Section 4 are to provide incubation and rearing space for broodstock development and develop acclimation sites identified in the HGMP and associated NEPA work (\$280,000).

The WA SRT prefers that the USFWS work be accomplished through reprogramming the existing hatchery objectives. This is a large subcontract to perform operations that may be supplied by the hatchery within a restructured operation. The WA SRT supports this project, but would prefer that the USFWS take on the costs of egg banking, coded wire tags, and acclimation construction for a total of \$1,292,000 (\$175,000, \$349,578, and \$231,623).

Proposed \$5,000 in FY 2000 carry forward.

Project 199604200 - Restore & Enhance Anadromous Fish Populations & Habitat in Salmon Creek

SRT: WA
FY00 funding level: \$577,983
FY01 forecast from FY00: \$2,000,000

FY01 request: \$5,289,196
Ongoing funding recommendation: \$3,373,277
New Funding: \$1,915,919

This project has completed a comprehensive assessment and analysis in CY 1999 and has developed a recovery plan for Salmon Creek. The cost to support the recovery plan is significantly more than the \$2,000,000 the project sponsors had estimated when completing their FY 2000 proposal form. Last year \$1,850,000 for land acquisition was withheld from this project until it was clear that water would be restored to Salmon Creek. With the development of the recovery plan, it is now clear that a cooperative effort is proceeding at Salmon Creek to return flows to the river. The \$1,850,000 should be restored to the project.

The SRT has some concerns about the BOR's contribution to the recovery plan. Since a consultation with NMFS is inevitable and the BOR will clearly have some level of responsibility, the SRT recommends withholding some portions of the proposal until the completion of that consultation process. The SRT recommends funding the following tasks for a total of \$3,373,278, which represents the proposed outyear budget plus funding that was withheld in FY 2000. This would fund Section 3, Objective 1, Task b, Task d, Task e, Task f, Task g, and a portion of Task h (for \$323,822). It would also fund all of Objective 2, Objective 3 and Objective 4. In Section 4, only Objective 2 would be funded, and other tasks (\$1,915,918) would be delayed until FY 2002 due to uncertainty in the NMFS/BOR consultation process.

A technical review by CBFWA should be completed before funding new implementation activities. Although a feasibility study has been completed, it has not been reviewed by CBFWA.

Project 199604300 - Johnson Creek Artificial Propagation Enhancement

SRT: MajCon
FY00 funding level: \$2,800,000
FY01 forecast from FY00: \$725,000
FY01 request: \$751,898
Ongoing funding recommendation: \$3,662,234
New Funding: \$0

Proposed \$2,941,376 in FY 2000 carry forward. The budget has been adjusted due to a change in the indirect cost rate.

Additional administrative support personnel have been added, increasing salary and fringe costs. As fish production increases, additional rearing and tagging costs were added. Delays in completion and approval of final design have pushed construction of production facilities to FY2001 or FY2002.

There has not been a change in the scope of the overall project. Delays in completing the design and construction of production facilities have resulted in budget changes only.

Project 199604601 - Walla Walla Basin Fish Habitat Enhancement

SRT: NEOSEW
FY00 funding level: \$240,000
FY01 forecast from FY00: \$285,000
FY01 request: \$260,909
Ongoing funding recommendation: \$260,909
New Funding: \$0

The change in estimated budget results from budget cuts made in FY 2000. Increases for FY 2001 above are primarily a result of cost-of-living/expenses and personnel merit.

Project 199605300 - North Fork John Day Dredge Tailings Restoration Project

SRT: CEOR
FY00 funding level: \$85,000
FY01 forecast from FY00: \$85,000
FY01 request: \$85,000
Ongoing funding recommendation: \$85,000
New Funding: \$0

No change from FY 2001 projection. There is no change in scope of work.

Project 199606700 - Manchester Spring Chinook Broodstock Project

SRT: MainSys
FY00 funding level: \$450,000
FY01 forecast from FY00: \$525,000
FY01 request: \$570,000
Ongoing funding recommendation: \$570,000
New Funding: \$0

Budget has been adjusted due to inflation and cost of facility maintenance increases. There is no change in scope of work.

Project 199607000 - McKenzie River Focus Watershed Coordination

SRT: LwrCol
FY00 funding level: \$105,000
FY01 forecast from FY00: \$100,000
FY01 request: \$135,000

Ongoing funding recommendation: \$135,000
New Funding: \$0

The LwrCol SRT supports this project as it is proposed.

The McKenzie River Focus Watershed Council requests additional funds in FY01 to enable the Council to provide a more comprehensive public outreach program, and expand their restoration project planning and implementation effort. These programs require enhancement due to the completion of the BPA funded Subbasin Assessment. The Assessment results will provide a terrific public outreach tool by displaying a “watershed context” to raise awareness of watershed landowners and residents. The Council has needed a resource to show “how and why” landowners can become involved in restoration. The Assessment will be used to meet that need. Additional funds will also enable the Council to develop a Watershed Action Plan. The Action Plan will prioritize areas to conduct restoration, examine the trade-offs and costs of particular projects, and develop a strategy for implementation. The MWC plans to have more on-the-ground projects completed in FY01 than in past years due to the Assessment.

The McKenzie River Focus Watershed Council objectives between FY00 and FY01 are relatively the same. The difference reflects a change in emphasis due to the availability of the Subbasin Assessment results and the need to capitalize its scientific foundation for watershed restoration. The Council and Staff work programs will transition into a very focused and systematic approach to promote McKenzie Watershed conservation and restoration. As indicated above, the transition will provide emphasis on project planning and implementation, with a strong public outreach component to catalyze more participation in restoration projects. With the maturity of the McKenzie Watershed Council, less time will be spent on Council administration.

Project 199607708 - Protect and Restore the Lolo Creek Watershed

SRT: ID

FY00 funding level: \$203,750

FY01 forecast from FY00: \$150,000

FY01 request: \$367,044

Ongoing funding recommendation: \$167,114

New Funding: \$199,930

The reason for the estimated change in budget is that, through the analysis for the watershed assessment, culverts were identified as a high priority and a potential for large sediment problems in the watershed. A new task was proposed to remove culverts (Objective 1b under Section 4 - \$199,930). This new task is within the goals and objectives of this project, although it was not foreseen when the FY 2000 proposal was written; therefore, the funding was not projected. This task should be technically reviewed by CBFWA before funding.

Project 199607709 - Protecting and Restoring the Squaw Creek to Papoose Creek Analysis Area Watersheds

SRT: ID

FY00 funding level: \$303,607

FY01 forecast from FY00: \$399,698

FY01 request: \$399,698

Ongoing funding recommendation: \$399,698

New Funding: \$0

There is no change in the scope or the budget.

Project 199607711 - Restore McComas Meadows/Meadow Creek Watershed

SRT: ID

FY00 funding level: \$166,622

FY01 forecast from FY00: \$120,000

FY01 request: \$120,025

Ongoing funding recommendation: \$102,715

New Funding: \$17,310

The addition of sediment abatement for the Fisher Placer Mine site was not previously planned, but with the development of the Meadow Creek Watershed Assessment, this project has been identified as a priority. This project will help to decrease the sediment delivery to the stream, which will help to improve spawning areas. This objective is still within the overall goals of the project (Section 3, Objective 3 - \$17,448).

Project 199608300 - CTUIR Grande Ronde Basin Watershed Restoration

SRT: NEOSEW

FY00 funding level: \$125,000

FY01 forecast from FY00: \$261,420

FY01 request: \$130,000

Ongoing funding recommendation: \$130,000

New Funding: \$0

All new watershed implementation projects in the Grande Ronde need to pass through the GRMW.

Projected budget indicates no change from the FY 2000 forecast. A total of \$131,420 (identified in section 4 under implementation/construction), however, will be secured through the GRMWP. Construction funding for all Grande Ronde Basin habitat enhancement projects will now come through the GRMWP as described. Construction funding to be proposed through GRMWP plus planning, O&M, and M&E funds proposed under this proposal, are consistent with the total FY2001 forecast from FY 2000.

Project 199608600 - Clearwater Subbasin Focus Program

SRT: ID

FY00 funding level: \$89,450

FY01 forecast from FY00: \$95,000

FY01 request: \$143,062

Ongoing funding recommendation: \$143,062

New Funding: \$0

The budget change reflects the Clearwater Focus Program use of a subcontractor (\$50,000) for completing analysis for the subbasin-wide assessment, work on the regional planning process, and M&E design. This activity was added to this contract by amendment of FY 1999 contracts within the Clearwater Focus Program on April 5, 2000.

The change in scope from FY1999 reflects the Focus Program's response to ISRP analysis for Fiscal Years 1998 and 1999 and anticipated changes in the FWP from the NWPPC's amendment process. The Focus Program has initiated the subbasin-wide assessment, regional planning and design of a M&E program with policy direction and decision-making from the Clearwater Policy Advisory Committee. These components were articulated in the FY 2000 response to ISRP and were the basis of the ISRP then recommending funding. The FY 2000 contract scope modification to include this work was approved by the NWPPC on 5 April 2000. The FY2001 proposal is a continuation of the modified contract.

Project 199700100 - Captive Rearing Project for Salmon River Chinook Salmon

SRT: ID

FY00 funding level: \$546,385

FY01 forecast from FY00: \$450,000

FY01 request: \$460,500

Ongoing funding recommendation: \$460,500

New Funding: \$0

The budget has increased since annual costs for genetic analyses were not included in FY01 forecast from FY00. In addition to standard DNA analyses performed on all fish, a separate analysis must be performed to determine fish sex prior to sexual maturation for annual planning processes. There is no change in scope of work.

Project 199701325 - Yakima/Klickitat Fisheries Project Operations and Maintenance

SRT: WA

FY00 funding level: \$2,260,160

FY01 forecast from FY00: \$2,550,771

FY01 request: \$2,482,880

Ongoing funding recommendation: \$2,482,880
New Funding: \$0

Administrative staff (one bookkeeper and one office assistant) has been moved to YKFP's Management, Data, and Habitat Proposal (198812025). The WA SRT is unable to provide a comprehensive review of this program using the project proposals submitted for BPA funding. A technical review should be performed in coordination with the annual program review currently being provided by YKFP.

Project 199701400 - Evaluation of Juvenile Fall Chinook Stranding on the Hanford Reach

SRT: WA
FY00 funding level: \$217,000
FY01 forecast from FY00: \$20,000
FY01 request: \$341,784
Ongoing funding recommendation: \$341,784
New Funding: \$0

This project received a within year budget adjustment of \$125,000 to provide an additional field season in FY 2000. The FY 2001 proposed work is not a change in scope from that budget modification; however, the cost of the project has increased dramatically. This increase is apparently due to an extension of the field-sampling season. The WA SRT supports this project.

Finalization of Special Operation Plan for the Priest Rapids project was expected to be completed in FY00 and the Hanford Evaluation was expected to be scaled down to a simple monitoring effort by FY2001. Full field assessment of a modified operations plan for Priest Rapids Dam will be continued until acceptable for long term agreement by all affected parties.

Project 199701500 - Imnaha River Smolt Monitoring Program Project

SRT: NEOSEW
FY00 funding level: \$188,722
FY01 forecast from FY00: \$174,000
FY01 request: \$197,581
Ongoing funding recommendation: \$190,067
New Funding: \$0

The budget has been adjusted due to a change in the indirect cost rate.

This project is part of the smolt-monitoring program. The budgets forecast for FY 2000 underestimated operating and repair costs for the traps. An Office Manager (cost-shared between four projects) was added in 2000, but had not been projected for the 2001 budget. Increase is due to COLAs and portion of additional support staff.

Project 199702400 - Avian Predation on Juvenile Salmonids in the Lower Columbia River

SRT: MainSys
FY00 funding level: \$642,600
FY01 forecast from FY00: \$550,000
FY01 request: \$642,000
Ongoing funding recommendation: \$642,000
New Funding: \$0

The MainSys SRT questions the budget request. The implication is that specific objectives and tasks will not be completed in FY 2000, yet no indication of anticipated carry forward has been made in the proposal. The SRT is also concerned that the court injunction may have serious impacts on the possible scope of work for this project in the future.

The FY2001 budget forecast (in the FY 2000 proposal) was based on the assumption that we would be successful in both preventing all tern nesting on Rice Island, and the successful establishment of a new tern colony outside the Columbia River Estuary in 2000. These management objectives were not met because of a lawsuit filed to prevent hazing of birds on Rice Island and our failure to get permission from Washington Department of Natural Resources to attract terns to Cate Island, Grays Harbor (due to local political opposition to the plan). We intend to attempt to accomplish these same management objectives in 2001.

We have not changed the scope of the proposal for 2001, as compared to the proposal submitted for 2000.

Project 199702500 - Wallowa County/Nez Perce Tribe Salmon Habitat Recovery Plan and Multi-species Habitat Strategy

SRT: NEOSEW
FY00 funding level: \$20,000
FY01 forecast from FY00: \$50,000
FY01 request: \$47,000
Ongoing funding recommendation: \$47,000
New Funding: \$0

This project is tied to 199403900 and covers the M&E. This funding maintains stream gauges and other monitoring type work. The project is run through the county in order to take advantage of lower overhead costs. This is a reduced request from the FY 2001 projected budget.

Project 199702600 - Ecology of Marine Predatory Fishes: Influence on Salmonid Ocean Survival

SRT: MainSys
FY00 funding level: \$0
FY01 forecast from FY00: \$180,000
FY01 request: \$180,000
Ongoing funding recommendation: \$180,000
New Funding: \$0

No change in scope of work or budget. This project has been funded through the NMFS ESA placeholder. The co-managers agreed that beginning in FY 2001, the project would be funded under the BPA direct program.

Project 199703000 - Monitor Listed Stock Chinook Salmon Escapement

SRT: ID
FY00 funding level: \$156,122
FY01 forecast from FY00: \$160,000
FY01 request: \$190,000
Ongoing funding recommendation: \$179,025
New Funding: \$0

The budget has been adjusted due to a change in the indirect cost rate.

Additional support staff, monitoring and evaluation costs, and inflation will all increase the FY2001 budget requirement. No budget increase occurred for this project from 1999 to 2000.

Project 199703400 - Monitoring Fine Sediment Grande Ronde and John Day Rivers

SRT: CEOR
FY00 funding level: \$32,145
FY01 forecast from FY00: \$33,070
FY01 request: \$39,846
Ongoing funding recommendation: \$39,846
New Funding: \$0

Increase in budget is due to an increase in personnel salary and fuel costs, and a 50% increase in per diem and vehicle costs, which also causes associated increases in indirect costs (though not the indirect rate). There has also been an increase in the cost of particle size analysis. There is no change in the scope of work.

Project 199703800 - Preserve Salmonid Gametes

SRT: ID
FY00 funding level: \$163,122
FY01 forecast from FY00: \$180,000

FY01 request: \$220,000
Ongoing funding recommendation: \$213,660
New Funding: \$0

The budget has been adjusted due to a change in the indirect cost rate.

Germplasm repository O&M has increased 50% from 2000 as steelhead sample preservation has increased. Genetic analysis costs have also increased. Cryopreserving gametes from bull trout will incur additional minor costs for the universities. Some support staff were also added. The scope of this project has increased to cover cutthroat trout.

Project 199705000 - Little Naches River Riparian and In-Channel Habitat Enhancement

SRT: WA
FY00 funding level: \$0
FY01 forecast from FY00: \$98,000
FY01 request: \$134,950
Ongoing funding recommendation: \$120,417
New Funding: \$14,533

This project was given a Tier 2 ranking by CBFWA in FY 2000 and a Fund for One Year by the ISRP. This was a Yes/Yes project on technical merit that did not receive funding in FY 2000 due to budget limitations. The WA SRT supported this project and its objectives as a Tier 2 last year and strongly support it since USFS has provided NEPA and other supporting work. There is one new Objective 1 under Section 6 (\$14,533).

Projected costs for FY2001 budget have increased primarily due to two factors. First, staffing time has been increased in the budget to more accurately reflect the workload on this project. More staff time has been put toward this project than previously anticipated. Other Yakama Nation funding had provided the additional time. Second, additional funds are needed to hire a second subcontractor for vegetative work. Initial plantings with hand labor have only been partially successful. Use of a subcontractor with specialized and mechanized equipment is expected to substantially increase the survival of plantings. The mechanized equipment should also be able to plant considerably more areas in a shorter period of time.

The scope of work has not changed, just an adjustment in budgeting to more accurately reflect staff time and the addition of a second subcontractor to achieve greater results with re-vegetation work.

Project 199705100 - Yakima Side Channels

SRT: WA
FY00 funding level: \$601,673

FY01 forecast from FY00: \$800,000
FY01 request: \$346,553
Ongoing funding recommendation: \$546,553
New Funding: \$0

Delays have occurred in project implementation and the budget has been reduced to reflect those delays. There is no change in the scope of work. Proposed \$200,000 in FY 2000 carry forward.

Project 199705300 - Toppenish-Simcoe Instream Flow Restoration and Assessment

SRT: WA
FY00 funding level: \$163,544
FY01 forecast from FY00: \$200,000
FY01 request: \$237,503
Ongoing funding recommendation: \$237,503
New Funding: \$0

The projection made for FY2001 during the FY 2000 application process counted on receipt of land leasing/purchase funds during the FY 2000 award period; however, the \$52,000 land acquisition item was cut from the FY 2000 request. Having survived for two years on FY97 funds, they were able to modify their FY99 budget to pay for leasing 232 acres formerly irrigated with creek water at the end of CY1999. They have yet to receive any funding for land acquisition, an essential component of the Project. The 18.8% increase from the FY 2000 forecast reflects the need to move the acquisition process along after earlier denials of this component. In FY 2000, the WA SRT determined that the purchase of land was premature until the assessment was complete. They supported the assessment but questioned the follow up required until results are known. It appears that a plan is now complete and this project should move forward.

No significant changes in the scope of work have occurred since the inauguration of the Project.

Project 199705600 - Lower Klickitat Riparian and In-Channel Habitat Enhancement Project

SRT: WA
FY00 funding level: \$269,666
FY01 forecast from FY00: \$300,000
FY01 request: \$300,000
Ongoing funding recommendation: \$300,000
New Funding: \$0

There is no change in scope or budget forecast.

Project 199705700 - Salmon River Production Program

SRT: ID

FY00 funding level: \$0 - carry forward

FY01 forecast from FY00: \$350,000

FY01 request: \$414,491

Ongoing funding recommendation: \$419,491

New Funding: \$0

Proposed \$5,000 in FY 2000 carry forward.

Initial cost of developing a Master Plan and expanding production and Monitoring and Evaluation was over estimated. The ability to proceed at previously proposed level of production is not possible at this time. Work on the Master Plan has identified limiting factors, which in the short term of two to three life cycles, precludes such rapid expansion of production.

This project is proceeding through the three step process and progress will be determined by that process. In FY 2000, the NWPPC indicated that no new funds would be available for this project until completion of the master plan.

Project 199706000 - Clearwater Subbasin Focus Watershed Program - NPT

SRT: ID

FY00 funding level: \$98,737

FY01 forecast from FY00: \$103,000

FY01 request: \$452,998

Ongoing funding recommendation: \$452,998

New Funding: \$0

The budget change reflects the Clearwater Focus Program use of a subcontractor for completing analysis for the subbasin-wide assessment (\$350,000), work on the regional planning process, and M&E design. The NWPPC approved this change in budget on April 5, 2000 through amending the FY 1999 Clearwater Focus Program project contracts.

The change in scope from FY 1999 reflects the Focus Program's response to ISRP analysis for Fiscal Years 1998 and 1999, as well as anticipated changes in the FWP from the NWPPC's amendment process. The Focus Program has initiated the subbasin-wide assessment, regional planning, and design of an M&E program with policy direction and decision making from the Clearwater Policy Advisory Committee. These components were articulated in the FY99 response to ISRP and were the basis of the ISRP recommending funding. The FY99 contract scope modification was approved by the NWPPC on April 5, 2000. The FY 2000 contracts are a continuation of the modified contract as well as the FY 2001.

Project 199800100 - Analytical Support - ESA Biological Assessments

SRT: MainSys
FY00 funding level: \$125,000
FY01 forecast from FY00: \$130,000
FY01 request: \$130,000
Ongoing funding recommendation: \$0
New Funding: \$0

The NWPPC has decided to stop funding PATH related projects. This is a PATH project and should not be funded to remain consistent with the Council recommendation for tribal, state and federal agency participation in PATH.

This work has not been technically reviewed by this SRT.

The scope of the work has changed to involve more interaction with other analytical processes that were begun in 1999, including the NMFS CRI analysis. The project has evolved from being part of the PATH to providing the independent scientific analyses required by BPA for ESA Biological Opinions, NEPA Environmental Impact Statements, and In-Season management decisions. In addition, the project provides technical support for BPA's input to regional fish recovery efforts such as the Federal All-H Caucus Process and the NWPPC Framework Process.

This project fails to inform critical management decisions. This project should include such services as a part of other projects tied to specific tasks or products. This project should not be funded as part of the Fish and Wildlife Program since it is not subject to the same standards of the regional review process.

Project 199800401 - Electronic Fish and Wildlife Newsletter

SRT: MainSys
FY00 funding level: \$150,450
FY01 forecast from FY00: \$157,975
FY01 request: \$165,605
Ongoing funding recommendation: \$165,605
New Funding: \$0

Intermountain Communications is proposing the BPA budget for The Columbia Basin Bulletin (The Bulletin) increase about 10 percent, from \$150,450 a year to \$165,605.

The FY2001 budget reflects a 10 percent increase in hourly rates for all personnel. The increase is based on inflation, the track record of The Bulletin, and the editors' and writers' increased knowledge and experience in writing about complex Basin issues. The increase will also allow the Bulletin to keep readers informed about the NWPPC's amendment process, the federal decision making expected during this fiscal year, and the region's move toward subbasin planning. This budget will allow The Bulletin to maintain current levels of quality.

A potential change in scope includes a new objective (Section 5, Objective 4 - Electronic Columbia Basin Subbasin Planning Newsletter: \$81,700). The MainSys SRT does not support the additional objective until a more detailed discussion and review can be completed.

Intermountain Communications is proposing an optional adjunct project to The Bulletin that will provide information coordination to the regional subbasin planning process.

Project 199800702 - Grande Ronde Supplementation: Lostine River O&M and M&E

SRT: NEOSEW

FY00 funding level: \$384,800

FY01 forecast from FY00: \$450,000

FY01 request: \$542,121

Ongoing funding recommendation: \$524,331

New Funding: \$0

The budget should be \$524,331 due to a decrease in indirect costs. The O&M budget has increased from what was anticipated for 2001. This is primarily due to a change in responsibility for pump rental, operation, and maintenance for the acclimation facility which amounts to \$60,000. For the first two years of operation (FY99 and FY00), these expenses were covered by the contractor constructing the facilities through a different BPA budget. Starting in 2001 these costs will have to be covered by this project. The increases in monitoring and evaluation costs were primarily due to the number of PIT tags required and additional administrative support.

Project 199800703 - Facility O&M and Program M&E for Grande Ronde Anadromous Salmonids

SRT: NEOSEW

FY00 funding level: \$489,000

FY01 forecast from FY00: \$645,317

FY01 request: \$654,531

Ongoing funding recommendation: \$619,131

New Funding: \$35,400

Analyzing steelhead genetic samples will add \$30,000. Additional technician time for steelhead kelt rejuvenation will be 2.0 months (~\$5,400). Other increases are due to adding biologist time that was cut in FY 2000 for captive brood analysis.

Pumping at the Catherine Creek acclimation facility in 2001 will add \$25,000. These are costs that were absorbed in 2000 by Montgomery Watson. We propose to buy one pump in 2001 (\$32,000) for operating the Catherine Creek acclimation facility. Pay back on investment (versus rental) is estimated to be 5.8 years for a pump. We anticipate

purchasing a second pump in 2002. An additional seven months of biologist time has been added to assist in operation and evaluation of the program. Personnel to accomplish kelt trapping in 2001 will be accomplished at no cost by changing trapping dates earlier in the season.

The CTUIR, NPT and ODFW agree we need a better understanding of the demographics and genetics of steelhead, and need to develop fish culture techniques for an endemic steelhead program. CTUIR will operate weirs to enumerate and mark upstream-migrating adult steelhead fish and provide a minimum count and population estimates, and collect tissue for genetics. The CTUIR and ODFW are proposing a comparison of the two kelt rejuvenation methods for steelhead from Catherine Creek and the upper Grande Ronde. The CTUIR will collect kelts and hold them at the upper Grande Ronde acclimation facility until final rejuvenation site has appropriate water quality. ODFW will then provide the remainder of the kelt rejuvenation activities funded under LSRCP.

Project 199800800 - Regional Forum Facilitation Services

SRT: MainSys

FY00 funding level: \$75,000

FY01 forecast from FY00: \$200,000

FY01 request: \$154,500

Ongoing funding recommendation: \$154,500

New Funding: \$0

The Facilitation Team has worked hard to streamline efforts in all areas. This year's budget is based on data over a two year period which may have enabled us to more closely forecast future costs.

There is no change in the scope of work.

Project 199801001 - Grande Ronde Basin Spring Chinook Captive Broodstock Program

SRT: NEOSEW

FY00 funding level: \$616,097

FY01 forecast from FY00: \$655,000

FY01 request: \$644,023

Ongoing funding recommendation: \$674,023

New Funding: \$0

There are increased costs associated with greater fish health needs over what was originally anticipated, as well as increased database management and analysis requirements

Proposed \$30,000 in FY 2000 carry forward.

Project 199801003 - Spawning Distribution of Snake River Fall Chinook Salmon

SRT: ID

FY00 funding level: \$177,666

FY01 forecast from FY00: \$192,800

FY01 request: \$191,422

Ongoing funding recommendation: \$191,422

New Funding: \$0

The budget was adjusted to more accurately reflect the cost of the project. There is no change in the scope of work for FY 2001. In reference to out-year cost estimates, the radio-telemetry work will be completed in FY 2002; however, redd monitoring should be funded in subsequent years to determine the progress toward recovery goals.

Project 199801004 - Monitoring and Evaluation of Yearling Snake River Fall Chinook Released Upstream of Lower Granite Dam

SRT: ID

FY00 funding level: \$272,798

FY01 forecast from FY00: \$275,000

FY01 request: \$285,493

Ongoing funding recommendation: \$277,860

New Funding: \$0

The budget has been adjusted due to a change in the indirect cost rate.

There is no change in the scope of work. Minor cost increases were associated with administrative support and seasonal employee costs.

Project 199801005 - Pittsburg Landing, Capt. John Rapids, Big Canyon Fall Chinook Acclimation Facilities

SRT: ID

FY00 funding level: \$654,400

FY01 forecast from FY00: \$720,000

FY01 request: \$717,000

Ongoing funding recommendation: \$694,033

New Funding: \$0

The budget has been adjusted due to a change in the indirect cost rate.

There is no change in the scope of work.

Project 199801006 - Captive Broodstock Artificial Propagation

SRT: NEOSEW

FY00 funding level: \$131,031
FY01 forecast from FY00: \$155,000
FY01 request: \$157,200
Ongoing funding recommendation: \$152,044
New Funding: \$0

The budget has been adjusted due to a change in the indirect cost rate.

The increases within budget are due to Pit Tag purchase and additional support staff

Project 199801400 - Ocean Survival Of Juvenile Salmonids in the Columbia River Plume

SRT: MainSys
FY00 funding level: \$0
FY01 forecast from FY00: \$830,000
FY01 request: \$845,000
Ongoing funding recommendation: \$845,000
New Funding: \$0

The changes to the budget reflect costs to assess genetic stock composition, insulin-like growth factor (IGF-1) concentrations, and pathogen prevalence in juvenile salmon sampled from marine waters associated with the Columbia River plume. Genetic analyses of samples were previously covered under a different project. Some costs are being shifted to this project to reflect the importance of this information to this project specifically. IGF-1 concentration are a revolutionary approach to evaluate recent growth histories of individual juvenile salmon and is consistent with the scope of the project. Similarly, pathogen loads reflect on the health of juveniles and are also within the scope of the project. Some costs are being shifted to this project to reflect the importance of these items to this project specifically. Charges to the budget have been shifted to minimize the impact.

No change in the scope of the work has been proposed. This project was funded under the NMFS ESA placeholder in FY 2000.

Project 199801600 - Monitor Natural Escapement & Productivity of John Day Basin Spring Chinook

SRT: CEOR
FY00 funding level: \$159,800
FY01 forecast from FY00: \$157,100
FY01 request: \$157,057
Ongoing funding recommendation: \$157,057
New Funding: \$0

There is no change in estimated FY 2001 budget, and the no change in the scope of work.

Project 199801700 - Eliminate Gravel Push-up Dams in Lower North Fork John Day

SRT: CEOR
FY00 funding level: \$90,250
FY01 forecast from FY00: \$140,000
FY01 request: \$103,600
Ongoing funding recommendation: \$103,600
New Funding: \$0

The budget has increased due to a dramatic rise in the cost of installation materials (PVC pipe) because of higher oil prices. There is no change in the scope of work.

Project 199801800 - John Day Watershed Restoration

SRT: CEOR
FY00 funding level: \$424,575
FY01 forecast from FY00: \$0
FY01 request: \$462,460
Ongoing funding recommendation: \$475,590
New Funding: \$0

The CEOR SRT supports this project as proposed. Proposed \$13,130 in FY 2000 carry forward.

Although not listed in previous funding requests, the planning/design and monitoring costs have, in fact, increased considerably in the last two years, while construction costs have only been adjusted for minor changes in market conditions. Planning and design costs have escalated due to a number of factors including the loss of two cost-share contracts that directed the BOR, under the NWPPC program, to fund the administrative portion of this program.

The BPA, NMFS, and USFWS are requiring much more extensive planning, design, consultation, and monitoring phases to these projects than in the past. The nature and extent of filings required with these agencies requires much more attention to project procedural specifics and less to the actual implementation. Consequently, we spend more time with the planning and evaluation of the projects than with the actual construction. The additional administrative and regulatory demands placed upon the JDBO and GSWCD requires correlative increases in staff time, supplies, travel, and other overhead expenses; however, even with these increasing procedural obligations, the John Day interagency team has still proposed to complete the same or similar number of individual projects (objectives) within the original program authorized under the NWPPC program and BOR/interagency team comprehensive watershed analysis.

Project 199801900 - Wind River Watershed Restoration

SRT: WA
FY00 funding level: \$553,717
FY01 forecast from FY00: \$950,000
FY01 request: \$658,532
Ongoing funding recommendation: \$658,532
New Funding: \$0

The budget forecast has decreased 31% in response to the project never having been funded at the requested level due to budget constraints (e.g., the FY 2000 request was \$1,385,712, but they were awarded half that at \$553,700). This was distributed among the four cooperating agencies: UCD=\$68K, USFS=\$166.5K, WDFW=\$117.2K, and USGS=\$202K. The difference between the FY 2001 request of \$658,532 and the amount received in FY 2000 is \$104,832, and the proposed distribution for FY2001 is: UCD=\$74.9K, USFS=\$255.1K, WDFW=\$129.0K, and USGS=\$199.6K. Type and cost of proposed work is similar to last year, with each cooperator requesting similar amounts (+/- 10%), with the exception of a larger increase for USFS, which is primarily associated with NEPA work for evaluating Hemlock Dam modifications.

There is no change in scope of work from the FY 2000 Statement of Work. The WA SRT questions any modifications to the current Hemlock structure and believes that removal should be the highest priority and additional cost share should be considered by the USFS.

Project 199802000 - Assess Fish Habitat and Salmonids in the Walla Walla Watershed in Washington

SRT: NEOSEW
FY00 funding level: \$169,723
FY01 forecast from FY00: \$207,190
FY01 request: \$228,990
Ongoing funding recommendation: \$158,490
New Funding: \$70,500

We have determined that a trap is necessary in the fish ladder in Mill Creek to enumerate adult fish returning to the upper basin. Limited data suggests this steelhead run is very low, but data are very incomplete. Additionally, a trap at this site would enable us to enumerate and examine bull trout and reintroduced spring chinook adults entering the basin. Additionally, the trap on the Touchet is not adequate and should be modified. A separate proposal was submitted by WDFW last year for adult trapping and smolt trapping, but it was not approved because of lack of funds and the ISRP suggested combining that proposal with the Walla Walla Assessment proposal. We have now added a new task for adult trapping and trap construction to the Walla Walla Assessment project. (The new work is contained in Section 3, Objective 2, tasks c, e and f.) That new task has increased our funding request above our previous expectations for 2001. The smolt trap portion of the other proposal may be funded by WDFW in 2001 or 2002.

The current data for steelhead in Mill Creek is very limited but it appears the population may be in serious trouble and much lower than we had anticipated. Additionally, we need to know if bull trout move downstream of this dam site and return upstream. And last, the CTUIR has proposed spring chinook reintroduction as early as 2000 and a trap in needed in this ladder to evaluate the success of this reintroduction experiment in Mill Creek. After 2 years of data collection in the Walla Walla Basin, it has become apparent that we have an opportunity to obtain valuable data from all 3 runs in Mill Creek at a relatively low cost. We also need to improve a trap on the Touchet so it is more effective for enumerating adult bull trout and steelhead and capturing steelhead for development of local hatchery broodstock. As part of our adaptive management process, we have taken the ISRP's suggestion and modified our proposal to take advantage of cost share and to improve the quality of our data.

Project 199802100 - Hood River Fish Habitat Project

SRT: CEOR
FY00 funding level: \$227,934
FY01 forecast from FY00: \$300,000
FY01 request: \$299,953
Ongoing funding recommendation: \$299,953
New Funding: \$0

There is no change in the budget from that estimated for FY 2001, and there is no change in the scope of work.

Project 199802800 - Trout Creek Watershed Improvement

SRT: CEOR
FY00 funding level: \$231,126
FY01 forecast from FY00: \$350,000
FY01 request: \$233,100
Ongoing funding recommendation: \$118,100
New Funding: \$115,000

The budget was held to the level assigned by the CEOR SRT in FY 2000. The watershed assessment work is new and appears to be heavy on personnel costs. It is unclear what the \$115,000 for the assessment is paying for. This work was not identified in the FY 2000 proposal and should be reviewed for technical merit before being funded. Is this information readily available from the EDT analysis that has been completed for the Deschutes River?

Project 199803100 - Implement Wy-Kan-Ush-Mi Wa-Kish-Wit Watershed Assessment and Restoration Plan Now

SRT: MainSys
FY00 funding level: \$267,471
FY01 forecast from FY00: \$300,000
FY01 request: \$336,464
Ongoing funding recommendation: \$336,464
New Funding: \$0

There is no change in scope of work. The budget was adjusted to reflect current costs due to reduction of FY 2000 budget.

Project 199803300 - Restore Upper Toppenish Creek Watershed

SRT: WA
FY00 funding level: \$194,583
FY01 forecast from FY00: \$350,000
FY01 request: \$190,000
Ongoing funding recommendation: \$190,000
New Funding: \$0

Hydrologic assessment indicates funding levels lower than previously anticipated. There is no change in the scope of work.

Project 199803400 - Reestablish Safe Access into Tributaries of the Yakima Subbasin

SRT: WA
FY00 funding level: \$771,918
FY01 forecast from FY00: \$780,000
FY01 request: \$523,794
Ongoing funding recommendation: \$784,794
New Funding: \$0

Delays in Project Implementation have reduced the budget for this project. No change in scope of work has been proposed. Proposed \$261,000 in FY 2000 carry forward.

Project 199808001 - PIT Tag Purchase and Distribution

SRT: MainSys
FY00 funding level: \$0
FY01 forecast from FY00: \$0
FY01 request: \$240,000
Ongoing funding recommendation: \$0
New Funding: \$240,000

This is a change in scope (addition of a task). The budget is generally determined by needs from other projects. The new task is to establish a "Tag Bank" to minimize risk of a

tag shortage when projects request tags on short notice. The SRT would like to see a more detailed plan and strategy for managing and using the tag bank. Although this is generally a good idea, there is question whether the current BPA budget can support this activity.

This project raises several questions about the distribution of tags among projects within the basin. Are costs significantly less by buying in bulk? Is there a tracking system for overhead charges among the agencies and PSMFC? Do all PIT tag projects use this system for purchases?

Project 199900301 - Evaluate Spawning of Salmon Below the Four Lowermost Columbia River Dams

SRT: MainSys

FY00 funding level: \$355,838

FY01 forecast from FY00: \$403,805

FY01 request: \$653,061

Ongoing funding recommendation: \$653,061

New Funding: \$0

There are significant budget changes that are not easily tracked from the FY 2000 proposal to the FY 2001 proposal. It appears that there has been an expansion of the work without specifically adding new tasks and objectives. Further investigation of this expansion is warranted.

Expansion of stranding work is based upon observations of stranded chum and chinook fry in 2000. Cost of fieldwork and analysis for the 2-dimensional modeling and habitat use/non-use approach is significantly higher than the cost of the 1-dimensional approach.

Work conducted in FY99 and FY00 indicated that a geo-referenced 2-D hydraulic and habitat model was required to quantify the complex hydraulics in the study area as well as the backwater effect from ocean tides and downstream tributary inflow. A more rigorous, quantitative approach (logistic regression model) for habitat use/non-use data collection was also indicated, including mapping of redds not visible during normal boat-surveys. Temperature of ground water upwelling sites appeared to be highly correlated to location of spawning sites, thus more effort to map ground water upwelling is warranted. In addition, in-season analysis and flow recommendation work far exceeded the planned level during FY99 and FY00. This is also anticipated to be the case in FY2001.

Project 199900600 - Restoration of Riparian Habitat in Bakeoven / Deep Creeks

SRT: CEOR

FY00 funding level: \$80,000

FY01 forecast from FY00: \$110,000

FY01 request: \$116,121

Ongoing funding recommendation: \$116,121

New Funding: \$0

There is an increase in budget due to inflation. There is no change in the scope of work.

Project 199901000 - Mitigate Effects of Runoff & Erosion on Salmonid Habitat in Pine Hollow and Jackknife

SRT: CEOR

FY00 funding level: \$33,937

FY01 forecast from FY00: \$30,000

FY01 request: \$27,098

Ongoing funding recommendation: \$40,255

New Funding: \$0

Jackknife Canyon and John Day River lands have been added to the scope of the Watershed Council. The geographic area serviced through this watershed council has approximately doubled. The land uses and issues are nearly identical. The contracted range planner is currently conducting range land condition assessments on uplands in Jackknife Canyon and associated lands along the John Day River. By 2001, grazing management plans will be in preliminary stages, and high priority projects will be identified. The budgets for planning, implementation, and monitoring are increased slightly due to this change in geographic scope. On the other hand, funds from FY1999 were carried over into FY 2000. Most of this carryover is expected to linger into FY2001.

Proposed \$13,157 in carry forward from FY 2000.

Project 199901200 - Coordinate/Facilitate Watershed Project Planning/Implementation

SRT: WA

FY00 funding level: \$70,496

FY01 forecast from FY00: \$80,000

FY01 request: \$37,593

Ongoing funding recommendation: \$55,093

New Funding: \$0

There is no change in the scope of work. Proposed \$17,500 in FY 2000 carry forward.

Project 199901300 - Ahtanum Creek Watershed Assessment

SRT: WA

FY00 funding level: \$240,191

FY01 forecast from FY00: \$180,000

FY01 request: \$160,192

Ongoing funding recommendation: \$200,192

New Funding: \$0

Late receipt of funds and staffing problems has delayed the progression of the Project from what was forecast in the FY 2000 request. Tasks left undone as of the writing of this proposal must be accomplished to get the Project timeline back on track. The FY 1999 budget has been extended to July 31, 2000. As such, some carryover is expected from the FY 2000 award to extend into FY 2001. Proposed \$40,000 in FY 2000 carry forward.

The objectives and tasks of this Project have not changed from the original request document; however, the projected completion dates of those objectives and tasks has been advanced by approximately one year.

Project 199901400 - Restore Anadromous Fish Habitat in the Little Canyon Creek Subwatershed

SRT: ID

FY00 funding level: \$196,855

FY01 forecast from FY00: \$200,000

FY01 request: \$196,654

Ongoing funding recommendation: \$196,654

New Funding: \$0

To stay within budget projections for BPA contracts in Idaho State, this program has remained at the same funding level as year one. There is no change in the scope of work.

Project 199901500 - Restore Anadromous Fish Habitat in the Nichols Canyon Subwatershed

SRT: ID

FY00 funding level: \$186,237

FY01 forecast from FY00: \$200,000

FY01 request: \$181,755

Ongoing funding recommendation: \$181,755

New Funding: \$0

There is no change in the scope of work. The budget was adjusted to reflect current costs.

Project 199901600 - Protect & Restore Big Canyon Creek Watershed

SRT: ID

FY00 funding level: \$61,276

FY01 forecast from FY00: \$100,000

FY01 request: \$100,000

Ongoing funding recommendation: \$100,000

New Funding: \$0

There is no change in the budget or the scope of work.

Project 199901700 - Protect & Restore Lapwai Creek Watershed

SRT: ID
FY00 funding level: \$61,276
FY01 forecast from FY00: \$100,000
FY01 request: \$100,000
Ongoing funding recommendation: \$100,000
New Funding: \$0

There is no change in the budget or the scope of work.

Project 199901800 - Characterize and Quantify Residual Steelhead in the Clearwater River, Idaho

SRT: ID
FY00 funding level: \$84,365
FY01 forecast from FY00: \$86,000
FY01 request: \$107,670
Ongoing funding recommendation: \$107,670
New Funding: \$0

Salaries were underestimated by \$15,275 (COLA, step increases, and additional hours); supplies were underestimated by \$3,025 (particularly boat maintenance and fuel); and the resulting indirect costs were underestimated by \$6,370. There is no change in the scope of work.

Project 199901900 - Restore Salmon River (Challis, ID) Area

SRT: ID
FY00 funding level: \$50,000
FY01 forecast from FY00: \$50,000
FY01 request: \$325,500
Ongoing funding recommendation: \$0
New Funding: \$388,500

This proposal is for new work. Planning has been completed and implementation is ready to proceed. By not funding this project this year, a significant cost share by the COE will be lost. Some carry forward is anticipated.

The Custer County Watershed Group is undertaking a comprehensive analysis of the entire reach and watershed linkages (based on recommendations of ISRP, BPA and NWPPC). A 35% cost share for work being undertaken by the Corp of Engineers is also required. In order to access the \$604,000 cost share by the COE, BPA needs to provide \$325,000 (35%) through this project; however, this project is for implementation of a

planning process that has not been through CBFWA and ISRP review to prioritize work within this subbasin.

A detailed conceptual design based on ISRP, BPA and NWPPC evaluations was required. The purpose of this plan is to fully understand the consequences and benefits of a holistic restoration plan for the entire 20+ miles of river channel at Challis where extensive floodplain and wetland habitat exist and the river is unconfined by canyon walls. Specifically, the largest parts of the change in scope are the detailed channel and floodplain surveys. This information is used to understand the current river morphology, what is forcing the current braiding, instability and degraded state of the channel, and predict future conditions under different management scenarios. The project also needs to be integrated with watershed assessment data as boundary conditions for analysis of this ecologically significant reach. Data will also be generated for feedback to the long-term larger scale watershed and sub-basin assessments such as EDT.

Proposed \$63,000 in FY 2000 carry forward.

Project 199902000 - Analyze the Persistence and Spatial Dynamics of Snake River Chinook Salmon

SRT: ID

FY00 funding level: \$50,000

FY01 forecast from FY00: \$105,900

FY01 request: \$108,754

Ongoing funding recommendation: \$108,754

New Funding: \$0

An increase is anticipated in Personnel, Operations, and Travel costs. There is no change in the scope of work. An increase in the budget is due to cost of living allowances. Last year's budget was reduced due to budget restrictions. All FY 2000 tasks and objectives were supported by the SRT and the ISRP.

Project 199908800 - Water Right Acquisition Program (Multi-Year FY 2000-2002)

SRT: MainSys

FY00 funding level: \$130,000

FY01 forecast from FY00: \$255,000

FY01 request: \$167,000

Ongoing funding recommendation: \$0

New Funding: \$167,000

There has been a significant reduction in budget from what was forecast with no explanation of why. The AFC is concerned that the funding for FY 2000 was for specific water right acquisitions or if this project has been created as a placeholder for ongoing acquisitions. If specific acquisitions have been targeted, some technical review should occur.

This issue has been raised on similar projects (i.e. purchasing grazing allotments). Hopefully, in the future these purchases should be tied to subbasin plans that prioritize areas where these purchases should be made. Until then, the AFC is not certain that the proposed work is in a high priority area and suggests a technical review or presentation be made to verify targeted purchase locations.

Project 200000100 - Improvement of Anadromous Fish Habitat and Passage in Omak Creek

SRT: WA

FY00 funding level: \$349,661

FY01 forecast from FY00: \$55,760

FY01 request: \$113,266

Ongoing funding recommendation: \$63,266

New Funding: \$50,000

This project will maintain and protect investments in Omak creek. The WA SRT supports this project.

Additional funding (\$50,000) is requested to re-design the lower re-located reach at Omak Creek. The original design was deficient in many areas and has resulted in loss of instream structures and severe bank erosion. If uncorrected the creek channel may become a threat to a nearby county road or structures to the adjacent lumber mill. In CY 2000 a major blockage was removed from Omak Creek just upstream from this site at significant cost. The additional task requested here will protect that investment.

FYI. In 1999, Douglas PUD implanted 400 adult steelhead downstream of Priest Rapids Dam. The tagging procedure began in July and lasted through the 3rd week in October, tagging every 12th fish. The intent of the study was to look at passage at the hydroelectric projects. Tracking flights were conducted every three weeks. During the early May 2000 flight an adult steelhead was located in Omak Creek. The location was near Disautel (9 miles upstream of Mission Falls). The aircraft made several circles to accurately pinpoint the location of the fish. Since the tagged fish were a sample of the entire population, we can logically assume this individual fish was not alone.

Project 200000500 - Protect Bear Valley Wild Salmon, Steelhead, Bull Trout Spawning Habitat

SRT: ID

FY00 funding level: \$310,000

FY01 forecast from FY00: \$0

FY01 request: \$310,000

Ongoing funding recommendation: \$0

New Funding: \$310,000

Last year's purchase permanently retired 48,000 acres of USFS land from grazing allotment for \$145,000. This property contains a section of a major headwater-spawning stream. This proposal is for an adjacent grazing allotment purchase of 78,000 acres. The scope is similar and the budget is the same as approved for FY 2000. This activity may provide the greatest benefit/cost ratio of any other activity within the basin. It is important to maintain this placeholder for urgent actions for habitat protection.

Project 200000700 - Infrastructure to Complete FDA Registration of Erythromycin

SRT: MainSys

FY00 funding level: \$71,022

FY01 forecast from FY00: \$70,438

FY01 request: \$71,766

Ongoing funding recommendation: \$71,766

New Funding: \$0

There is no change in the scope of work or the budget.

Project 200001100 - Rock Creek Watershed Assessment and Restoration Project

SRT: WA

FY00 funding level: \$156,206

FY01 forecast from FY00: \$289,000

FY01 request: \$52,744

Ongoing funding recommendation: \$52,744

New Funding: \$0

Initially, the project sponsor expected to proceed immediately with restoration work in FY 2001. After additional evaluation, the project was determined to be more effective by using time in FY 2001 to thoroughly plan and design the work. This should result in better planning efforts and more effective implementation of restoration work.

The scope of work has not changed, just an extension of the time frame to complete the project. Additional time for planning and designing restoration work should facilitate improved efficiency and better results from the project.

Project 200001200 - Evaluate Factors Limiting Columbia River Gorge Chum Salmon Populations

SRT: LwrCol

FY00 funding level: \$189,853

FY01 forecast from FY00: \$154,013

FY01 request: \$452,200

Ongoing funding recommendation: \$238,704

New Funding: \$213,496

This increased budget reflects an increase in indirect costs from 19% to 34.2%, increased personnel costs, and the addition of six new study components (Objective 2, tasks c, e, i, and j; Objective 3; and Objective 4, task c; all of which are described in the following section). If FY 2001 work-tasks remain unchanged from FY 2000, the budget for this project would be \$238,704 (an increase of 55%). Combined, the budget increase for the six new study components is \$213,496.

These changes provide crucial system operations management and restoration information for this chum population. Objective 2c supports WDFW counts and abundance estimates of chum spawning in mainstem Hamilton Cr. Objective 2e provides estimates of the contribution and egg-to-fry survival of mainstem spawned chum; if these estimates can be made, then these estimates will be available for all components of this chum population. Objective 2i examines correlates between growth at various ages and corresponding cohort survival. Objective 2j examines relationship between freshwater food habits of chum and food availability to growth, survival, and cohort survival. Objective 3a evaluates movement, habitat use, and potential spawning of chum salmon that pass Bonneville dam. Objective 4c evaluates IR Videography for identifying potential chum salmon spawning sites by determining if surface water temperatures change corresponding to groundwater upwelling can be detected. Chum salmon spawn at such upwelling sites.

These new components were issues raised during BiOp discussions with NMFS.

Project 200001300 - Evaluate an Experimental Re-introduction of Sockeye Salmon into Skaha Lake

SRT: WA

FY00 funding level: \$171,171

FY01 forecast from FY00: \$223,000

FY01 request: \$229,357

Ongoing funding recommendation: \$203,057

New Funding: \$26,300

An additional task (task e) to Objective 3 was added to investigate the amount of rearing habitat in Skaha and Okanogan Lake (\$26,300). This task will include sockeye fry rearing potential in Skaha Lake, including water quality measurements in Skaha Lake and the Okanogan River upstream and downstream of the lake and measuring the composition, distribution, growth and abundance of phytoplankton and zooplankton communities (including Mysis) in Skaha Lake.

The WA SRT supports the additional task as an expansion of the project based on new information. This task is a natural part of a feasibility study and should not be considered as entirely new work.

Objective 4, which was initially to be conducted during FY 2000, was delayed one year to FY 2001. The reason for the delay was because members of the Sub-regional team felt

a model could not be developed until sufficient data was collected. There is no change in scope of work.

Project 200001400 - Evaluate Habitat Use and Population Dynamics of Lampreys in Cedar Creek

SRT: LwrCol

FY00 funding level: \$134,790

FY01 forecast from FY00: \$160,000

FY01 request: \$318,881

Ongoing funding recommendation: \$185,000

New Funding: \$133,881

This increased budget reflects an increase in indirect costs from 19% to 34.2%, slightly increased personnel costs, and the addition of three new study components (Objective 3, task b; Objective 7, task a; and Objective 8, task a; all of which are described in the following section). If FY 2001 work-tasks remain unchanged from FY 2000, the budget would be \$185,000 (a 16% increase from projections). Combined, the budget increase for the three new study components is \$133,881.

The three added components address components of Pacific lamprey behavior, population dynamics, and biology that are unknown for the population in question and Pacific lamprey in general, but which are crucial information for management and recovery of this species. Objective 3b provides outmigrant abundance estimates and timing from the Cedar Creek tributary with highest ammocoete densities (to be determined). Objective 7a uses IR videography to provide longitudinal temperature and riparian vegetation profiles, for examining relationships between larval and adult lamprey habitat use, habitat characteristics, and stream temperatures. Stream temperature has been shown to be a critical variable in determining fish distribution and survival, both for lampreys and other species. Objective 8a provides adult immigration rates, movement patterns, and habitat associations during immigration, overwintering and spawning. This information is largely unknown for this species.

Project 200001500 - Acquire Oxbow Ranch--Middle Fork John Day River

SRT: CEOR

FY00 funding level: \$1,300,000

FY01 forecast from FY00: \$75,000

FY01 request: \$1,870,520

Ongoing funding recommendation: \$1,774,120

New Funding: \$96,400

The FY 2001 budget forecast was based upon receiving the entire capital acquisition cost in FY 2000; however, the Northwest Power Planning Council approved one-half of the acquisition cost and designated the entire acquisition as an "ongoing" project under their

program, with the remaining funds to be secured in FY2001. Discounting the capital costs in FY 2001, the percent change from forecast is only +34%.

Restoration costs had not been identified in FY1999, when this project was submitted. Preliminary restoration opportunities have been identified and anticipated costs have been calculated. The one change in scope was made to include tailings removal and was not identified in the FY 2000 proposal. Section 3, Objective 1 and Section 4, Objective 2 for a total of \$96,400. The CEOR SRT supports this activity.

Project 200001700 - Recondition Wild Steelhead Kelts

SRT: MainSys

FY00 funding level: \$72,752

FY01 forecast from FY00: \$70,000

FY01 request: \$227,982

Ongoing funding recommendation: \$146,213

New Funding: \$81,769

The MainSys SRT supports this work. The expansion of the work needs to be reviewed in a technical forum as the project increases in size and application. We agree that the pilot project has been very exciting but as it turns into a program it needs further review.

The sponsors are adding tasks, fish, and partners.

1. They propose adding a benefit/risk assessment task (primarily genetic concerns) per ISRP recommendation (Section 4, Objective 4 - \$31,141).
2. They propose to increase the scope and pace of the project after finding that: a) kelts are far more abundant and available than originally believed, b) reconditioning success rates of 50% are already achievable, and c) based on the 50% rate the concept appears feasible for expeditious implementation while some critical questions are evaluated (Section 4, Objective 2 - \$33,463, Section 4, Objective 3 - \$17,165).
3. A 5-year research plan has now identified many of the critical questions and proposed a rationale and a schedule for addressing them. Those critical questions include (among others): Are existing commercial diets optimal for reconditioning post-spawning steelhead? Does reconditioning diminish homing ability? And are the gametes of reconditioned kelts as numerous and viable as those of virgin spawners?

In the last year kelt reconditioning has shown considerable promise for increasing the abundance of wild/natural steelhead populations. Basinwide each year, thousands of ESA-listed summer steelhead are removed from juvenile collection systems and tributary weirs and returned to the river. On average, 1-4% of them survives to spawn again. If those kelts were collected and reconditioned, >50% of them could spawn again the next year.

In 2000, the Yakama Nation has collected >30% of the run of ESA-threatened Yakima River summer steelhead as the kelts pass back over Chandler Dam. Those that are

successfully reconditioned (mostly females) and released for spawning this winter will represent a 20%-25% increase in the potential egg deposition in the wild stocks.

Reconditioning is ready for wider application. A 5-year plan has been drafted to facilitate progressive implementation throughout the Basin while simultaneously refining the technology and answering some important questions.

Project 200001900 - Tucannon River Spring Chinook Captive Broodstock Program

SRT: NEOSEW

FY00 funding level: \$134,049

FY01 forecast from FY00: \$75,000

FY01 request: \$98,420

Ongoing funding recommendation: \$98,420

New Funding: \$0

The FY 2001 budget increased because of a shortfall in completing the capital construction for the project with FY 2000 funds. Some of the necessary plumbing parts to complete the facility modifications were more costly than originally expected. Also, labor and transportation costs were higher than expected. The amount requested by WDFW in FY 2001 for capital construction is \$25,000. By subtracting that amount from the FY 2001 proposal, the O&M and M&E portion of the project is \$73,675, about \$1,400 off the initial projected cost identified in the FY 2000 project proposal.

Project 200002800 - Evaluate Status of Pacific Lamprey in the Clearwater River Drainage, Idaho

SRT: ID

FY00 funding level: \$73,000

FY01 forecast from FY00: \$124,300

FY01 request: \$90,967

Ongoing funding recommendation: \$90,967

New Funding: \$0

Reasons for increase in budget from FY 2000 include projected inflationary increases, an increase in manpower-months and state legislated salary increases. The majority of the increase is a result of including two months of biologist's salary for the project. The original project proposal included 20 months of personnel time, but was reduced to 14 months for FY 2000. The additional biologist time will provide better coordination with other agencies and the University of Idaho, and provide more manpower for field sampling. There is no change in the scope of work.

Project 200002900 - Identification of Larval Pacific Lamprey, River Lamprey, and Western Brook Lamprey and Thermal Requirements of Early Life History Stages of Lampreys

SRT: MainSys
FY00 funding level: \$78,700
FY01 forecast from FY00: \$74,300
FY01 request: \$77,280
Ongoing funding recommendation: \$77,280
New Funding: \$0

The travel budget has been increased in order to capture, collect, and transport adult river lampreys to the facility.

There is no change in the scope of work.

Project 200003100 - Enhance North Fork John Day River Subbasin Anadromous Fish Habitat

SRT: CEOR
FY00 funding level: \$205,544
FY01 forecast from FY00: \$210,000
FY01 request: \$236,200
Ongoing funding recommendation: \$236,200
New Funding: \$0

The budget is slightly higher than anticipated because of additional funds required for: (1) the biologist to develop biological assessments for proposed noxious weed treatments and installation of live plant materials with 404 fill and removal permits (compliance with ESA Section 7 Consultation and NMFS 4d rules), (2) additional O&M (includes increased technician hours for fence and plant maintenance due to project biologist having less field time than anticipated because of time required to develop biological assessments), and (3) trenching in willows with a subcontracted operated excavator.

The scope has changed slightly to include modified O&M costs. This was a new project in FY 2000 and no O&M was required. Enhancements implemented during FY 2000 will require O&M during FY 2001. Enhancements involving operated heavy equipment and 404 fill and removals permits were not initially proposed; however, project personnel have determined that trenching in live plant materials with an excavator is the most cost-effective and most successful means of establishing riparian vegetation in project areas. CTUIR has had considerable success establishing native willow communities utilizing this planting technique in neighboring Umatilla and Walla Walla River Basins.

Project 200003300 - Walla Walla River Fish Passage Operations

SRT: NEOSEW
FY00 funding level: \$73,000
FY01 forecast from FY00: \$88,000
FY01 request: \$118,607

Ongoing funding recommendation: \$118,607
New Funding: \$0

This project is operated in conjunction with Umatilla Fish Passage Operations as one project. Activities in the Walla Walla Basin have increased beyond the anticipated level and the increase in the Walla Walla budget can be accounted for in corresponding reductions in the Umatilla River Fish Passage Operations budget as effort is redirected from the Umatilla to the Walla Walla subbasin. Combined budgets for the two Fish Passage Operations projects is ~8% lower than those forecast in the FY 2000 proposals.

There is no change in the scope of work or the tasks, just an increase in effort required to meet those already identified.

Project 200003400 - Protect and Restore the North Lochsa Face Analysis Area Watersheds

SRT: ID
FY00 funding level: \$154,782
FY01 forecast from FY00: \$248,552
FY01 request: \$248,552
Ongoing funding recommendation: \$248,552
New Funding: \$0

There is no change in the budget or the scope of work.

Project 200003500 - Rehabilitation of Newsome Creek Watershed

SRT: ID
FY00 funding level: \$301,689
FY01 forecast from FY00: \$401,198
FY01 request: \$401,198
Ongoing funding recommendation: \$401,198
New Funding: \$0

There is no change in the budget or the scope of work.

Project 200003600 - Protect and Restore Mill Creek Watershed

SRT: ID
FY00 funding level: \$63,036
FY01 forecast from FY00: \$50,000
FY01 request: \$92,822
Ongoing funding recommendation: \$76,379
New Funding: \$16,721

The reason for change in the estimated budget is that through the development of a Watershed Assessment (Hungary Mill, NPNF), the main system road, which begins at the mouth of the watershed, was identified as a source of sediment problems in the watershed. The road travels along the stream for the first six miles, beginning at the mouth. This work will require the development of an engineered design (Section 3, Objective 2). A consultant will be hired, and NEPA will have to be completed. Restoration and road maintenance will provide sediment abatement, in turn resulting in improved habitat for critical species within the watershed. Additionally, the movement of a cattle corral was identified as a high priority. Currently, the stream runs through the center of the corral.

Project 200003900 - Walla Walla Basin Natural Production Monitoring and Evaluation

SRT: NEOSEW

FY00 funding level: \$134,000

FY01 forecast from FY00: \$203,000

FY01 request: \$330,880

Ongoing funding recommendation: \$248,842

New Funding: \$82,038

This project is operated in conjunction with the Umatilla Natural Production Monitoring and Evaluation Program (one BPA contract but two proposals and annual reports). Monitoring activities in the Walla Walla Basin have increased in accord with the current and forthcoming salmonid restoration activities. Restoration planning and implementation will require more information about salmonids in the Walla Walla Basin. Monitoring in the Walla Walla will increase further in 2002 as the PIT tagging efforts are completed in the Umatilla Basin and begin in the Walla Walla. Combined budgets for the two monitoring and evaluation projects have increased 3.7% from last year's reduced funding level, but are 20% lower than that forecast for FY 2001 in the FY 2000 proposals. Monitoring activities in the Umatilla Basin have decreased from a decade of intense evaluations to a more streamlined monitoring program.

Objective 5 is new work for a total of \$82,038 to radio tag and monitor steelhead movement. Other monitoring has increased due to the addition of spring chinook and planned expansion for the other species.

Project 200004800 - Yakima Benthic Index of Biotic Integrity (B-IBI)

SRT: NWPPC Innovative

FY00 funding level: \$189,822

FY01 forecast from FY00: \$40,000

FY01 request: \$45,600

Ongoing funding recommendation: \$0

New Funding: \$0

This is a FY 2000 innovative project that is not eligible for FY 2001 funding until completion of the initial work and a final report on that work (NWPPC 2000-6).

Project 200005200 - Upstream Migration of Pacific Lampreys in the John Day River: Behavior, Timing, and Habitat Preferences

SRT: NWPPC Innovative
FY00 funding level: \$199,644
FY01 forecast from FY00: \$275,000
FY01 request: \$327,942
Ongoing funding recommendation: \$0
New Funding: \$0

This is a FY 2000 innovative project that is not eligible for FY 2001 funding until completion of the initial work and a final report on that work (NWPPC 2000-6).

Project 200005600 - Protect Anadromous Salmonids in the Mainstem Corridor

SRT: MainSys
FY00 funding level: \$388,427
FY01 forecast from FY00: \$407,848
FY01 request: \$419,808
Ongoing funding recommendation: \$419,808
New Funding: \$0

There is no change in the scope of work. The budget increase is in line with a cost of living increase.

The conditions for funding this project in FY 2000 included providing a closing report that responds to the following questions:

1. For each species or resource identified by the project, how did the project address the problems facing the species or resource, and how did the project reduce the threat(s) facing the species or resource?
2. For each species or resource identified by the project, what specific benefits did the project provide in terms of increases in abundance and/or survival and what specific benefits did the project provide in changes in habitat quality and quantity?
3. For the tasks listed in the proposal, what specific activities were necessary to complete the task objectives?
4. What Bonneville Power Administration funded projects does this project benefit, and how does this project provide those benefits?

5. What specific activities constitute coordination with other federal, state or tribal law enforcement entities, and how have those activities improved the overall performance of the agencies' programs?
6. Complete the Performance Measures and Standards as part of the closing report,

The project sponsors should also focus on the monitoring and evaluation components of the project in order to address the quantitative data outlined in the Performance Measures and Standards, and the questions posed in this recommendation. In addition, project sponsors should develop an interim report following the close of the spring chinook season as a means to coordinate with the managers and fellow law enforcement bodies on the effectiveness of the projects.

Project 200005800 - Effects of supersaturated water on reproductive success of adult salmonids

SRT: NWPPC Innovative
FY00 funding level: \$149,972
FY01 forecast from FY00: \$848,533
FY01 request: \$156,391
Ongoing funding recommendation: \$0
New Funding: \$0

This is a FY 2000 innovative project that is not eligible for FY 2001 funding until completion of the initial work and a final report on that work (NWPPC 2000-6).