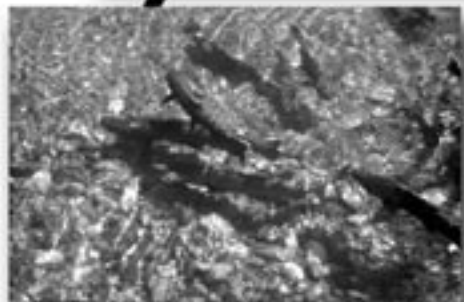




# Columbia River Basin Fish and Wildlife

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## Fiscal Year 2003 Recommendations for Federal Agency Appropriations





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## U.S. Fish and Wildlife Service

### Funding Recommendations

#### General Investigations

Project	FY2003 Budget	Council Recommends
USFWS Construction		
Pacific Northwest Irrigation		
Diversion Screening	No Request	\$8 million
Fisheries		
Fish Hatchery O&M	\$2.609 million	Support Budget
Fish & Wildlife Assistance	\$1.476 million	Support Budget
Ecological Services		
ESA Consultations	\$1.591 million	Support Budget
ESA Recovery	\$1.25 million	Support Budget
Habitat Conservation		
Project Planning	\$180,000	Support Budget
Coastal Program	\$180,000	Support Budget
Environmental Contaminants	\$120,000	Support Budget
Migratory Bird Management		
Conservation & Monitoring	\$300,000	Support Budget

## Project Descriptions

### Pacific Northwest Irrigation Diversion Screening:

For FY2002 Congress provided an initial appropriation of \$4 million for the program. Unfortunately, the Administration requested no funding in its FY2003 budget. Based on the high level of interest throughout the region, the Council believes that the U.S. Fish and Wildlife Service could easily administer a program twice the size of the current year's funding level, and therefore, supports an appropriation of \$8 million in FY2003.

When Congress passed the Fisheries Restoration and Irrigation Mitigation Act of 2000 (P.L. 106-502), it authorized up to \$25 million annually for the U. S. Fish and Wildlife Service to administer a program to construct irrigation diversion

screens in the states of Idaho, western Montana, Oregon and Washington. Funding under this program, which was initiated in FY2002 with a \$4 million appropriation, is a significant resource to assist landowners to avoid taking listed species and comply with screening standards. Although funding of this program is not a specific requirement in the Columbia River biological opinions, it is a significant resource for addressing a major habitat problem. Federal funding complements Bonneville Power Administration ratepayer funding in many subbasins and accelerates the schedule for resolving salmon passage problems. Irrigation districts and other private interests must put up a local cost share to access the funds. The program has been set up as a grants program whereby irrigation districts, local governments, states and tribes submit proposals to the U.S. Fish and Wildlife Service for review and approval.

**Fish Hatchery Operations and Maintenance:** The Council supports the full \$2.609 million requested for this program for FY2003. This represents an increase of \$720,000 over the FY2002 level. As an action agency under the NMFS draft Artificial Propagation Biological Opinions, the Service would work to improve fish propagation strategies for 12 species of salmon and steelhead reared in hatcheries in the Columbia River Basin. Specifically, the Service will use the funds for the following hatchery reforms:

- \$120,000 will be used to increase fish health monitoring at hatcheries as required to: evaluate operations and ecological interactions with wild fish; determine health risks of alternate rearing strategies; evaluate new facilities for health risks; plan conservation programs to intervene in populations at high risk of extinction; draft disease management protocols through the Hatchery and Genetics Management Plan; and examine new stocks introduced to hatcheries as part of the transition to native stocks.
- The remaining \$600,000 is requested for the reform of hatchery facilities and the evaluation of those reforms. Fish passage will be improved by the replacement of water intake screens and fish quality will be improved by modification of raceways to mimic natural conditions at Warm Springs National Fish Hatchery in Oregon.

**Fish and Wildlife Assistance:** The Council supports the full request of \$1.476 million for FY2003, which includes a significant increase of \$1.101 million. This will assist in implementing the Reasonable and Prudent Alternatives for several Biological Opinions in the Columbia River Basin to address declining salmon and steelhead. The additional funds will also be used to monitor and evaluate salmon produced at National Fish Hatcheries in the Basin to facilitate reforms required under the NMFS draft Biological Opinions on Artificial Production.

The Fisheries Program is actively engaged in reform efforts at the 12 National Fish Hatcheries in the Columbia Basin, and the Lower Snake River Compensation Plan (an additional 23 hatcheries and related facilities). The Service will initiate new programs to meet goals of the NMFS Biological Opinion and ensure that its hatchery programs are consistent with the recovery of listed evolutionary significant units (ESUs). Ultimately, the monitoring and evaluation programs funded with the proposed increase will

support adaptive management of hatchery operations for salmon and steelhead ESUs.

Efforts to initiate or complete flow studies, eliminate passage impediments, restore aquatic habitat, and reduce water quality problems linked to hydropower operations will serve to address Service requirements outlined in the FCRPS and Artificial Propagation Biological Opinions. The Fisheries Program will share the lead on several of these actions with other Service programs.

**ESA Consultations:** The Council supports the Administration's request for \$1.591 million for ESA consultations, a \$794,000 increase over FY2002. These funds will address consultation needs from a variety of customers and ensure that the Service and other federal agencies comply with Federal Columbia River Power System Biological Opinions. Funds will also be used to help remove regulatory disincentives for restoring listed species habitat on private lands through issuance of Section 10 permits. Additional funds will allow the Service to:

- meet a variety of consultations and planning needs for ongoing projects affecting Columbia River species for which the Service has ESA jurisdiction (such as bull trout and Kootenai white sturgeon), including restoration projects, enhanced fish screening, and establishment of water quality standards/Total Maximum Daily Loads, and dredging projects;
- streamline the consultation process and meet our commitments to implementing the programmatic biological opinions for the Federal Columbia River Power System issued in December 2000 by the Service and the National Marine Fisheries Service. This includes participating in efforts with the Bureau of Reclamation and Corps of Engineers to refine operational aspects of the hydropower system to enhance species conservation, improve fish passage and develop restoration plans;
- facilitate implementation of the Biological Opinions; and,
- aid in the development of HCPs on state and private lands which are expected to increase as a result of the subbasin plans being developed under the Biological Opinions.

**ESA Recovery:** The Council supports the \$1.25 million requested for FY2003 for endangered species recov-

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ery activities. This is a \$625,000 increase of the current year's level of funding. These funds will help the Service meet the requirements for implementing the Reasonable and Prudent Alternatives for several Biological Opinions in the Columbia River Basin to address declining salmon and steelhead. These actions will further the recovery of bull trout and Kootenai white sturgeon. This funding will complement work begun last year, notably the initiation of subbasin assessments, which will lead to subbasin plans for each of the Columbia River Basin subbasins, and the establishment of instream flow assessments. The Service will be able to provide more assistance and oversight on actions that may affect listed fish in the Columbia Basin. The Service will initiate fish passage and habitat improvement programs for bull trout, and conduct applied research into bull trout passage needs, life cycles, and population dynamics in the Basin. The funding will help the Service meet project planning and implementation needs.

**Habitat Conservation — Project Planning:** The Service has requested an additional \$180,000 for Project Planning for FY2003. The Council supports this full request. These funds will address FERC hydroelectric relicensing and new project licensing requests. The funds will help facilitate hydropower licensing activities in the Columbia River Basin while addressing the need to protect and conserve Pacific Northwest salmon and bull trout. The Service will only have this unique opportunity to participate in the FERC relicensing of 38 dams in the Columbia River Basin over the next several years. These relicensing actions will have an impact on the area for the next 30 to 50 years.

**Coastal Program:** The Council supports the full increased request of \$180,000 for FY 2003. These funds will be used to restore tidal wetlands, reduce silt and erosion, improve water quality, and reduce distribution and abundance of non-native species negatively affecting salmon and other aquatic resources.

**Environmental Contaminants:** The Council supports the requested increase of \$120,000 for this program for FY2003. These funds will be used to address requirements of the Service and NMFS Biological Opinions on Operation of the Federal Columbia River Power System. Specifically, the Service will use the funding to work with the states to develop water quality criteria, and with the State of Washington to formulate its pesticide use strategy for the Columbia River Basin. The EC program will also work closely with the Endangered Species program as it provides Sec-

tion 7 consultation on Total Maximum Daily Load development for Columbia Basin waters.

**Migratory Bird Management:** The Council supports the full \$300,000 request for FY2003. These funds will be used for work relating to avian predation. Activities will include identifying seabird goals and objectives, developing standard survey methods, monitoring priority populations and cooperating with nonfederal partners to develop technical guidance and communication strategies.

## Forest Service

### Funding Recommendations

Project	FY 2003 Budget	Council Recommends
Land Acquisition		
Pacific Northwest Streams Initiative	\$4 million	\$9.53 million
Pacific Northwest Research Station		
Riparian & Salmonid Research (Olympia, WA)	\$325,000	\$650,000
Integrated Livestock/Wildlife Ecology and Management (Starkey)	\$0	\$1.060 million
Pacific Northwest Salmon (funded under a variety of Forest Service programs in Regions 1, 4 and 6)	\$13 million	\$25 million

## Project Descriptions

**Land Acquisition:** The Forest Service's FY2003 budget includes \$4 million under the land acquisition account for the Pacific Northwest Streams Initiative. The Council supports this request, but recommends that an additional \$5.53 million be added for a total of \$9.53 million. The additional funding would be used to purchase 3,840 acres in the State of Washington that are identified as the *Plum Creek Optioned Parcels* that protect Bull Trout habitat. The parcels are identified, and are ready for immediate acquisition.

### Pacific Northwest Research Station:

**Riparian and Salmonid Research (Olympia, WA):** The Council strongly supports this research program on riparian management and salmon productivity in the Columbia Basin, and recommends that the \$325,000 proposed reduction in FY2003 be restored in the appropriations process for a total program of \$650,000.

**Integrated Livestock/Wildlife Ecology and Management (Starkey Experimental Forest):** The Council recommends restoring funding for this research program, for a total appropriation of \$1.060 million. This research program focuses on elk productivity, effects of forest management on elk and deer productivity, and interactions between elk, deer, and cattle.

**Pacific Northwest Salmon:** The Council believes the Forest Service's salmon watershed restoration program is

underfunded in its FY2003 budget, and recommends a \$12 million increase for a total of \$25 million.

The Forest Service's base program to maintain and restore salmon in watersheds in the Pacific Northwest draws upon efforts from a variety of individual resource programs (Fisheries, Watershed, Timber, Range, Recreation, Forest Roads, etc.). Contributions to salmon and watershed restoration come from activities specifically designed to provide direct benefits to salmon (specific expenditures) and those where protection and restoration are one of many benefits from a management activity (non specific expenditures). Each Forest Service Region has a slightly different mix of program priorities and individual activities that respond to local resource/user needs and opportunities.

Habitat on the National Forests is critical for maintenance of wild stocks of fish. It is estimated that 70% of the remaining high quality habitat for wild salmon and trout in the Columbia River Basin is located on National Forest System lands. For FY2002, the current fiscal year, \$13 million was appropriated for salmon restoration, the same as the FY2003 request. Activities in the current year include:

- Instream flows and fish passage work, with emphasis placed on working with small irrigators on diversions or other structures that impact flows on National Forest System lands, agency participation in FERC's hydro licensing process and State Water Rights Adjudication processes, land exchanges and

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purchases, fish passage inventories, and retrofitting or removal of instream barriers (\$6.45 million);

- Water quality and riparian restoration work, which provides support to administrative units to participate in State Total Maximum Daily Load processes, road obliteration, modification of ongoing activities (grazing allotments, etc.) to reduce sediment, and improving the function of riparian systems (\$5.2 million);
- Monitoring of existing programs under the Northwest Forest Plan and the PACFISH/INFISH Biological Opinions (\$1.2 million); and
- Participation in NMFS' Technical Review Teams and the Northwest Power Planning Council's subbasin planning process (\$200,000).

One of the highest priorities for habitat restoration work on the National Forests involves the replacement of culverts, many of which block fish passage to healthy spawning and rearing areas. In Region 6, for example, it is estimated that of the 4,100 to 4,300 road crossings on fish bearing streams, approximately 3,500 to 3,700 of these will likely require repair or replacement to provide for passage for all life stages of fish and other aquatic species. These crossings are estimated to block fish access to about 2,300 miles of stream. This is roughly 10 percent of the fish bearing stream miles in the Region. More than 800 of these crossings block access to greater than one mile of upstream fish habitat.

The following tables provide a list of culvert replacement and other habitat improvement projects in Regions 1, 4 and 6 that could be funded if sufficient funding is provided in FY2003.



# REGION 1

## Columbia River Basin Habitat Project Opportunities

Northern Region, USDA Forest Service  
March 20, 2002

### HIGH PRIORITY SUB-BASINS

#### SALMON

##### I. Passage/Screening/Flow Aug.

Forest	Barriers Treated <sup>1</sup>	Miles Accessed <sup>2</sup>	Cost \$M <sup>3</sup>	Funds
Nez Perce	Slate Creek (#28049)	4 mi ChS/St/Bull/WCT	\$178	NFWF,NFVW, CMRD

##### II. Other Projects

Forest	Projects <sup>1</sup>	Miles Improved <sup>2</sup>	Cost \$M <sup>3</sup>	Funds
Nez Perce	Slate Creek (#28049)	24 mi ChS/St/Bull/WCT	\$378	NFWF,NFVW, CMRD

<b>Sub-basin Total</b>	<b>\$556</b>
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#### CLEARWATER

##### I. Passage/Screening/Flow Aug.

Forest	Barriers Treated	Miles Accessed	Cost \$M	Funds
Clearwater	Restore Crooked Fork & Colt Kill (#28048)	7 mi ChS/St/Bull/WCT	\$125	CMRD
Nez Perce	Newsome Cr Restoration (#200003500)	3 mi ChS/St/Bull/WCT/Lamp	\$75	CMRD
	Meadow Cr Restoration (#199607705)	5 mi ChS/St/SWCt	\$100	CMRD
	Selway Falls Renovation (#28013)	240 mi ChS/St/Bull/WCT/Lamp	\$350	NFWF

##### II. Other Projects

Forest	Projects <sup>1</sup>	Miles Improved <sup>2</sup>	Cost \$M <sup>3</sup>	Funds
Clearwater	Restore Crooked Fork & Colt Kill (#28048)	50 mi ChS/St/Bull/WCT	\$200	NFWF, NFVW, CMRD
	Restore Fishing & Legendary Bear Creeks (#199607703)	15 mi ChS/St/Bull/WCT	\$125	CMRD, NFWF, NFVW
	Control Brook Trout (#28023)	15 mi Bull/WCT	\$40	NFWF
	Lolo Creek Restoration (#199607702)	8 mi ChS/St/Bull/WCT	\$135	CMRD, NFWF, NFVW

(continued)

<sup>1</sup> For further information consult the detailed project proposal using this project number at <http://www.cbfwa.org/files/province/mtnsnake/projects/id.htm>.

<sup>2</sup> Fish species abbreviations: St= steelhead, ChS= Spring Chinook, ChF= Fall Chinook, Co= Coho, Bull= bull trout, Ctt= coastal cutthroat, WCT=Inland Westslope Cutthroat, Lamp= Pacific lamprey

<sup>3</sup> Funding requests are for FY 2003 costs only and includes total project costs minus expected partnership funding from other sources (ie NWPPC, BPA). Outputs are based on total project costs including expected partnership funding

## REGION 1 (continued)

### II. Other Projects

Forest	Projects <sup>1</sup>	Miles Improved <sup>2</sup>	Cost \$M <sup>3</sup>	Funds
Nez Perce	Newsome Creek Restoration (#200003500)	24 mi ChS/St/Bull/WCt/Lamp	\$275	CMRD, NFWF, NFWW
	Meadow Creek Restoration (#199607705)	36 mi ChS/St/SWCt	\$350	CMRD, NFWF, NFWW
	Red River Restoration (#28047)	40 mi ChS/St/Bull/WCt /Lamp	\$190	CMRD, NFWF, NFWW
	Control Brook Trout (#28023)	12 mi Bull/WCt	\$35	NFWF
	Mill Creek Restoration (#200003600)	8 mi ChS/St/WCt	\$125	CMRD, NFWW, NFWF
	Crooked River Assessment (#28043)	15 mi ChS/St/Bull/WCt /Lamp	\$185	CMRD, NFWW, NFWF
Sub-basin Total			<b>\$2,460</b>	

## ST. JOE SUBBASIN (MODERATE)

### I. Passage/Screening/Flow Aug.

Forest	Barriers Treated	Mi.Access/Imprvd*	Cost \$T	Funds
Idaho Panhandle	Flemming Creek	4 mi BT/WCT*	\$101	CMRD

### II. Other Projects

Forest	Barriers Treated	Mi.Access/Imprvd*	Cost \$T	Funds
Idaho Panhandle	Bird Creek	3 mi BT/WCT*	\$124	NFWF, NFWW
Subbasin Total			<b>\$225</b>	

## PEND OREILLE SUBBASIN (MODERATE)

### II. Other Projects

Forest	Barriers Treated	Mi.Access/Imprvd*	Cost \$T	Funds
Idaho Panhandle	Lightening Creek Restoration (Rattlecreek Creek Road 473)	19 mi BT/WCT*	\$250	CMRD
Sub-basin Total			<b>\$250</b>	

<sup>1</sup> For further information consult the detailed project proposal using this project number at <http://www.cbfwa.org/files/province/mtsnake/projects/id.htm>.

<sup>2</sup> Fish species abbreviations: St= steelhead, ChS= Spring Chinook, ChF= Fall Chinook, Co= Coho, Bull= bull trout, Ctt= coastal cutthroat, WCt=Inland Westslope Cutthroat, Lamp= Pacific lamprey

<sup>3</sup> Funding requests are for FY 2003 costs only and includes total project costs minus expected partnership funding from other sources (ie NWPPC, BPA). Outputs are based on total project costs including expected partnership funding

## REGION 4

### Columbia River Basin Habitat Project Opportunities

Intermountain Region, USDA Forest Service  
April 2, 2002

#### HIGH PRIORITY SUB-BASINS

##### Lower Middle Fork Salmon

##### Middle Salmon

##### UPPER SALMON

##### I. Passage/Screening/Flow Aug.

Forest	Barrier Treated	Miles Access/Imprv	Cost \$M
Salmon-Challis	Ditch screens (20)	100 +	\$267

##### II. Other Projects

Forest	Projects	Miles Improved	Cost \$M
Salmon-Challis	Land Acquisition	7	\$1,000
	Fish Habitat Improvement	3	\$50
<b>Sub-basin Total</b>			<b>\$1,317</b>

## REGION 6

### Columbia River Basin Habitat Project Opportunities

Pacific NW Region, USDA Forest Service  
March 28, 2002

#### HIGH PRIORITY SUB-BASINS

##### JOHN DAY

##### I. Passage/Screening/Flow Aug.

Forest	Barriers Treated	Mi.Access/Imprvd <sup>1</sup>	Cost \$M	Fund Code <sup>2</sup>
Ochoco	5 culverts	9 mi St	\$132	CMRD
	Ditch Screen/cut-off	2 mi St	\$20	NFWF
Malheur	Ditch screen	30 mi St, 5 mi ChS	\$20	NFWF
	2 culvert/bridge install	5 mi St, Bull	\$250	CMRD
Umatilla	2 culverts (40+mi rd decom)	16 mi St, ChS, Bull	\$427	CMRD
<b>(Passage subtotal)</b>			<b>\$849</b>	

(continued)

<sup>1</sup> Fish species abbreviations: St= steelhead, ChS= Spring Chinook, ChF= Fall Chinook, Co= Coho, Bull= bull trout, Ctt= coastal cutthroat, Lamp= Pacific lamprey

<sup>2</sup> NFWF= Fish and Wildlife Habitat Management; CMRD= Road Management.

**REGION 6 (continued)****II. Other Projects**

<b>Forest</b>	<b>Projects</b>	<b>Miles Improved</b>	<b>Cost \$M</b>	<b>Fund Code</b>
Malheur	Rd drainage/eros'n reduction	(22 culverts)	\$330	CMRD
	Channel rest (mine tailing)	2 mi St/ChS	\$75	NFWF
	73 miles road decom	30 mi St/ChS/Bull	\$160	CMRD
Umatilla	3 instream/riparian(1000+ ac)	118 mi St	\$225	NFWF
	9+ mi rd decom/6 culv imprv	7 mi St	\$103	CMRD
(Other projects subtotal)			\$(893)	
Fund Code Subtotals	NFWF		\$340	
	CMRD		\$1,402	
<b>Sub-basin Total</b>			<b>\$1,742</b>	

**METHOW****I. Passage/Screening/Flow Aug.**

<b>Forest</b>	<b>Barriers Treated</b>	<b>Miles Accessed*</b>	<b>Cost \$M</b>	<b>Fund Code</b>
Wenatchee/Okan.	2 culvert replacements	8 mi St	\$155	CMRD

**II. Other Projects**

<b>Forest</b>	<b>Projects</b>	<b>Miles Improved</b>	<b>Cost \$M</b>	<b>Fund Code</b>
Wenatchee/Okan	Respect the River	20 mi St, ChS, Bull	\$75	NFWF
Fund Code Subtotals	NFWF		\$75	
	CMRD		\$155	
<b>Sub-basin Total</b>			<b>\$230</b>	

\* Fish species abbreviations: St= steelhead, ChS= Spring Chinook, ChF= Fall Chinook, Co= Coho, Bull= bull trout, Ctt= coastal cutthroat, Lamp= Pacific lamprey

**WENATCHEE/YAKIMA/ENTIAT****I. Passage/Screening/Flow Aug.**

<b>Forest</b>	<b>Barriers Treated</b>	<b>Miles Accessed</b>	<b>Cost \$M</b>	<b>Fund Code</b>
Wenatchee/Okan.	Culvert, Swauk River	5 mi St	\$75	CMRD

**II. Other Projects**

<b>Forest</b>	<b>Projects</b>	<b>Miles Improved</b>	<b>Cost \$M</b>	<b>Fund Code</b>
Wenatchee/Okan.	Respect the River: Chiwawa	7 mi ChS/St/Bull	\$30	NFWF
	RtR: Teanaway/Cle Elem	14 mi ChS/St/Bull	\$50	NFWF
	RtR: American	1 mi ChS/St/Bull	\$50	NFWF
Wenatchee/Okan.	15 mi road decom/reconstr.	2 mi Bull; 3 mi St	\$285	CMRD
	Entiat River			
Fund Code Subtotals	NFWF		\$130	
	CMRD		\$360	
<b>Sub-basin Total</b>			<b>\$490</b>	

**REGION 6 (continued)****WIND****I. Passage/Screening/Flow Aug.**

<b>Forest</b>	<b>Barriers Treated</b>	<b>Miles Accessed*</b>	<b>Cost \$M</b>	<b>Fund Code</b>
Gifford Pinchot	2 culvert, plus	3+ mi Co, St, Ctt,	\$448	CMRD
	45+ mi rd decom	ChF, ChS		
	Hemlock Dam Study	(12 mi St)	\$120	NFWF

**II. Other Projects**

<b>Forest</b>	<b>Projects</b>	<b>Miles Improved</b>	<b>Cost \$M</b>	<b>Fund Code</b>
Gifford Pinchot	Riparian/in-channel rest	9.2 mi St	\$415	NFWF
Fund Code Subtotals	NFWF	535		
	CMRD		\$448	
<b>Sub-basin Total</b>			<b>\$983</b>	

\* Fish species abbreviations: St= steelhead, ChS= Spring Chinook, ChF= Fall Chinook, Co= Coho, Bull= bull trout, Ctt= coastal cutthroat, Lamp= Pacific lamprey

**HOOD/15-MILE**

<b>Forest</b>	<b>Projects</b>	<b>Miles Improved</b>	<b>Cost \$M</b>	<b>Fund Code</b>
Mt Hood	Instream, riparian	4 mi St,Lamp,ChS	\$650	NFWF
Fund Code Subtotal	NFWF		\$650	
	CMRD		\$0	
<b>Sub-basin Total</b>			<b>\$650</b>	

**Fund Code Totals, High Priority Sub-basins**

<b>NFWF</b>	<b>\$1,730</b>
<b>CMRD</b>	<b>\$2,365</b>

<b>Total, High Priority Sub-basins</b>	<b>\$4,095</b>
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**OTHER SUB-BASINS****DESCHUTES****I. Passage/Screening/Flow Aug.**

<b>Forest</b>	<b>Barriers Treated</b>	<b>Miles Acces/Imprv*</b>	<b>Cost \$M</b>	<b>Fund Code</b>
Deschutes	Squaw Cr dam pass/screens	16 mi Bull, Rdbnd	\$120	NFWF
Fund Code Subtotals	NFWF		\$120	
	CMRD		\$0	
<b>Sub-basin Total</b>			<b>\$120</b>	

\* Fish species abbreviations: St=steelhead, ChS= Spring Chinook, Co= coho, Bull=bull trout, Ctt= coastal cutthroat, Wstslp= westslope cutthroat, Rdbnd= redband trout, Lamp=Pacific lamprey

**REGION 6 (continued)****GRANDE RONDE****I. Passage/Screening/Flow Aug.**

<b>Forest</b>	<b>Barriers Treated</b>	<b>Miles Access/Imprv</b>	<b>Cost \$M</b>	<b>Fund Code</b>
Wallowa-Whitman	Culverts- 4 streams	6 mi St; 2 miChS/Bull	\$57	CMRD
Umatilla	Culverts (Rd 3738)	3 mi St	\$75	CMRD

**II. Other Projects**

<b>Forest</b>	<b>Projects</b>	<b>Miles Improved</b>	<b>Cost \$M</b>	<b>Fund Code</b>
Wallowa-Whitman	Road obliteration	2.5 mi St	\$25	CMRD
Umatilla	Floodplain restoration	5 mi St/Bull	\$75	NFWF
	In-channel	3 mi St	\$50	NFWF
Fund Code Subtotals	NFWF		\$125	
	CMRD		\$257	
<b>Sub-basin Total</b>			<b>\$382</b>	

**PEND OREILLE****I. Passage/Screening/Flow Aug.**

<b>Forest</b>	<b>Barriers Treated</b>	<b>Miles Access/Imprv*</b>	<b>Cost \$M</b>	<b>Fund Code</b>
Colville	6 culverts	17.5 mi Bull, Westslope cutthroat	\$755	CMRD
Fund Code Subtotals	NFWF		\$0	
	CMRD		\$755	
<b>Sub-basin Total</b>			<b>\$755</b>	

\* Fish species abbreviations: St= steelhead, ChS= Spring Chinook, ChF= Fall Chinook, Co= Coho, Bull= bull trout, Ctt= coastal cutthroat, Lamp= Pacific lamprey

**WALLA WALLA/ASOTIN/TUCANNON****II. Other Projects**

<b>Forest</b>	<b>Projects</b>	<b>Miles Improved</b>	<b>Cost \$M</b>	<b>Fund Code</b>
Umatilla	Rd sed reduction (Wal Wal)	8 mi Bull	\$2,500	CMRD
	In-channel habitat (Asotin)	2 mi St/Rdbnd	\$20	NFWF
	Rd/hab rest analysis (Tucan.)	4 mi St/ChS/Bull	\$20	NFWF
Fund Code Subtotals	NFWF		\$40	
	CMRD		\$2,500	
<b>Sub-basin Total</b>			<b>\$2,540</b>	

**REGION 6 (continued)****COWLITZ****I. Passage/Screening/Flow Aug.**

<b>Forest</b>	<b>Barriers Treated</b>	<b>MilesAccess/Imprv</b>	<b>Cost \$M</b>	<b>Fund Code</b>
Gifford Pinchot	Culverts, Cispus R	2 mi Co, St, Ctt	\$100	CMRD
Fund Code Subtotals	NFWF		\$0	
	CMRD		\$100	
<b>Sub-basin Total</b>			<b>\$100</b>	

**SANDY/CLACKAMAS****I. Passage/Screening/Flow Aug.**

<b>Forest</b>	<b>Barriers Treated</b>	<b>MilesAcces/Imprv*</b>	<b>Cost \$M</b>	<b>Fund Code</b>
Mt Hood	Culvert, Pinhead Cr/Clack	1 mi St, Ctt	\$112	CMRD
	2 culverts, Little Zigzag	1.5 mi St, Ctt	\$112	CMRD

**II. Other Projects**

<b>Forest</b>	<b>Projects</b>	<b>Miles Improved</b>	<b>Cost \$M</b>	<b>Fund Code</b>
Mt Hood	Salmon carcass treat/study (Sandy/Clackamas)	25.3 mi ChS, ChF, Co, St, Ctt	\$510	NFWF
Fund Code Subtotals	NFWF		\$510	
	CMRD		\$224	
<b>Sub-basin Total</b>			<b>\$734</b>	

\* Fish species abbreviations: St= steelhead, ChS= Spring Chinook, ChF= Fall Chinook, Co= Coho, Bull= bull trout, Ctt= coastal cutthroat, Lamp= Pacific lamprey

**Fund Code Totals, "Other" CRB Sub-basins**

<b>NFWF</b>	<b>\$795</b>
<b>CMRD</b>	<b>\$3,836</b>
<b>Total, "Other" CRB Sub-basins</b>	<b>\$4,631</b>

## U.S. Army Corps of Engineers

### Funding Recommendations

#### General Investigations

Project	FY2003 Budget	Council Recommends
Lower Columbia River Ecosystem Restoration, OR & WA	\$300,000	Support Budget
Willamette River Flood Plain Restoration, OR	\$150,000	Support Budget
Walla Walla River Watershed, OR & WA	\$390,000	Support Budget

#### Construction, General

Project	FY2003 Budget	Council Recommends
Columbia River Fish Mitigation, OR, WA & ID	\$98 million	Support Budget
Willamette River Temperature Control, OR	\$6 million	\$9.5 million
Lower Columbia River Ecosystem Restoration, OR & WA	\$2 million	Support Budget
Lower Snake River Fish and Wildlife Compensation, WA, OR, ID	\$4.6 million	\$13 million

## Project Descriptions

**Lower Columbia River Ecosystem Restoration, OR & WA:** The Council recommends support of the FY2003 budget request of \$300,000 under the General Investigations account, as well as the \$2 million under the Construction, General account. This is a new construction start in the Corps' FY2002 budget. Continued funding under the General Investigations appropriations account is also requested to complete the reconnaissance study and to initiate the feasibility study. The National Marine Fisheries Service has identified the Columbia River Estuary as playing a vital role in rebuilding the productivity of Columbia River Basin salmon and steelhead listed under the ESA. The 2000 Federal Columbia River Power System Biological Opinion calls for the Corps and other federal agencies to implement actions to avoid jeopardy for these listed species. Actions include protection and enhancement of 10,000 acres of tidal wetlands and other key habitats in the estuary over 10 years, beginning in 2001, to rebuild productivity for listed populations. The current cost estimate for construction of the project is \$30 million.

**Willamette River Flood Plain Restoration, OR:** The Council supports the FY2003 General Investigations account request of \$150,000 for this project. After a 30-year absence, major flooding became a powerful presence in February 1996 in the Willamette River Basin in Oregon.

Damages throughout the state were estimated in excess of \$286 million. The existing Willamette reservoir system controls only about 27 percent of the basin runoff. The 1996 flood emphasized an urgent need for additional flood damage reduction measures for the Willamette Basin. A study commissioned in 1995 by a national non-profit conservation group concluded that feasible flood plain restoration opportunities exist to reduce flood hazards to homes, public structures and farms while allowing for fish and wildlife habitat restoration. A restored flood plain would act to absorb excess flood waters, slow the velocity of flood waters, and create habitat for a wide variety of plants and animals, including fish species, such as bull trout and Willamette spring Chinook. The proposed Corps study and project focus on priority benefits of flood damage reduction and ecosystem restoration. Fiscal Year 2003 funds will be used to complete the reconnaissance phase and initiate the feasibility study.

**Walla Walla River Watershed, OR & WA:** The Council recommends a \$600,000 increase in the FY2003 appropriation under the General Investigations account for a total of \$990,000. For FY2002 Congress appropriated \$1 million for the project, but due to a slow start, a significant portion of the funding was redirected to other Corps priorities. Adding \$600,000 to the FY2003 request would, in effect, restore funding to the previous year's intended level. The



Walla Walla River is a tributary of the Columbia River. It is located in southeastern Washington and northeast Oregon. Much local interest has been focused on the river, including private irrigated agriculture, grazing and logging interests, local irrigation and soil conservation districts, planning commissions from the counties, state fish and wildlife agencies, the Confederated Tribes of the Umatilla Indian Reservation, U.S. Fish and Wildlife Service, and the Natural Resources Conservation Service. Of primary concern is water supply and quality for municipal and industrial needs, irrigated agriculture, and perhaps, most importantly, sustaining and restoring anadromous fisheries. Two fish species in the basin, bull trout and steelhead, are listed under the ESA. The Corps' effort in the basin would be to restore instream flows, looking at four different methods: 1) headwater storage, 2) water exchange with the Columbia River, 3) irrigation efficiency, and 4) purchase of water rights from willing sellers. Currently there is a potential project with the Confederated Tribes of the Umatilla Indian Reservation for the restoration of instream flows. Fiscal Year 2003 funds will be used to continue the feasibility study phase, which is scheduled for completion in September 2006.

**Columbia River Fish Mitigation Program, OR, WA, ID:** The Council supports the request level of \$98 million for FY2003. This major program funds adult and juvenile fish bypass research and construction at the four lower Snake river Corps dams and the Corps' four dams on the Columbia River below the confluence of the Columbia and Snake rivers. Types of projects funded by the program include juvenile fish bypass systems at the dams, adult fish ladders, spillway flip lips to reduce gas supersaturation, extended length screens, gas abatement research, PIT tag detectors, surface bypass studies, turbine survival studies, and other activities. Approximately 75 percent of the cost of the program is repaid to the Federal Treasury by the electrical ratepayers of the Bonneville Power Administration. In addition, the following report language dealing with the construction of flow deflectors at Chief Joseph Dam and a study of Columbia River flood control operations, is recommended:

*Columbia River Fish Mitigation, OR, WA, ID – The Committee recommendation makes available \$800,000 for final design and construction of spillway modifications at Chief Joseph Dam on the Columbia River to reduce dissolved gas entrainment. The Corps shall undertake final design and construction in consideration of regional recommendations for priority actions. Upon initiation of construction, subsequent funding will be provided by the Columbia River*

*Fish Mitigation project. Additionally, the Committee recommendation includes \$300,000 for a reconnaissance level investigation of Columbia River flood control operations to determine what changes, if any, would benefit endangered species, particularly salmon. Evaluation beyond the reconnaissance phase is subject to agency review and congressional notification.*

Explanation/Background of Recommended Report Language:

In the 2000 Federal Columbia River Power System Biological Opinion, NMFS included the following in Reasonable and Prudent Alternative 136: "The Corps shall continue to develop and construct spillway deflectors at Chief Joseph Dam by 2004 to minimize TDG (total dissolved gas) levels associated with system spill." Unfortunately, the Corps' FY2003 budget did not include funds to install flow deflectors at Chief Joseph Dam. \$800,000 is required in FY2003 to complete modeling, design and initiate construction. To complete construction, \$16 million is required in FY2004 and \$16.2 million in FY 2005.

The 2000 Federal Columbia River Power System Biological Opinion, also included the following as Reasonable and Prudent Alternative 35: "The Corps shall develop and conduct a detailed feasibility analysis of modifying current system flood control operations to benefit the Columbia River ecosystem, including salmon.....the Corps shall provide a draft feasibility analysis to all interested agencies, NMFS, and the peer-review panel by September 2005."

**Willamette River Temperature Control, OR:** The Council supports a \$3.5 million increase in the budget request for FY2003, for a total funding level of \$9.5 million. This level will better reflect the schedule and capability of the project contractor. The purpose of the current project is to continue construction to install a temperature control device at Cougar Reservoir in the McKenzie River drainage in Oregon. The McKenzie is a tributary of the Willamette River. The project will restore fish and wildlife habitat by improving downstream water temperatures that have been degraded by the existing dam. Restoring pre-project temperatures will improve survival rates and increase populations of three important native fish species: the ESA-listed wild stock of Willamette spring Chinook, the ESA-listed bull trout, and the rainbow trout. The total estimated project cost is \$72 million. Through FY2002, the Corps has allocated \$25.7 million.

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***Lower Snake River Compensation, WA, OR & ID:***

The Council seeks an increase of \$8.4 million in FY2003 for a total program of \$13 million. The increase would be used to carry out improvements, upgrades and repairs at the Lookingglass Hatchery and the Imnaha Satellite Facility. The Lower Snake River Compensation Program consists of a number of Chinook and steelhead hatcheries that produce approximately 27 million juvenile salmon and steelhead annually. The hatcheries were constructed as mitigation for the Corps' dams on the lower Snake River. A portion of the mitigation project also has a wildlife component. Included in the project's goals is the restoration of 3,285 acres of woody riparian land. The \$4.6 million requested by the Administration would continue the restoration of woody riparian land.

## Bureau of Reclamation

### Funding Recommendations

Project	FY2003 Budget	Council Recommends
Columbia & Snake River FCRPS ESA Implementation, ID, OR, MT, WA, WY	\$15 million	Support Budget
Endangered Species Recovery Implementation, ID, MT, OR & WA	\$2.15 million	Support Budget
Yakima River Basin Water Enhancement Project, WA	\$11.9 million	Support Budget

## Project Descriptions

**Columbia and Snake River FCRPS ESA Implementation, ID, OR, MT, WA, WY:** The Council supports the \$15 million requested for this program in FY2003. The program addresses the implementation of Reasonable and Prudent Alternatives (RPAs) included in the National Marine Fisheries Service's and the U.S. Fish and Wildlife Service's 2000 Biological Opinions pertaining to the Federal Columbia River Power System. The action items include extensive habitat, hatchery, and harvest initiatives, and significantly increased research, monitoring, and evaluation. Activities to be performed in FY2003 include:

- 1) continued interagency meetings on a wide range of topics such as habitat, hatcheries, research, monitoring and evaluation, and the development of the required annual 1- and 5-year plans (\$1.65 million);
- 2) continued acquisition of water from willing sellers to increase streamflows for flow augmentation, planning and management of spill and flow operations, gathering of data and evaluation of benefits to Snake River steelhead and fall chinook salmon passage by operating Hungry Horse Dam, Grand Coulee, and Banks Lake to meet Biological Opinion objectives, continued evaluation of total dissolved gas levels associated with spill at Grand Coulee and water quality of surface return flows from the Columbia Basin Project (\$6.7 million);
- 3) beginning technical assistance for off-site habitat enhancement work in three of the priority subbasins (Salmon, Entiat and McKenzie), and continued technical assistance for off-site habitat enhancement work in the three subbasins initiated in previous

years (Lemhi, Methow and upper and middle John Day) (\$6.45 million);

- 4) continued development of Hatchery Genetic Management Plans for the Leavenworth Hatchery Complex, and participation in interagency efforts to reduce the detrimental impacts of artificial production on wild salmon and steelhead (\$100,000); and
- 5) general administrative support activities and possible costs related to responding to litigation actions (\$100,000).

In addition, the Council recommends the following appropriations bill language:

*Provided, That funds provided for Columbia and Snake River Endangered Species Act implementation may be used for in-stream fish habitat improvement construction activities in the priority subbasins as specified by the National Marine Fisheries Service's 2000 Federal Columbia River Power System Biological Opinion.*

Explanation/Background of Recommended Report Language:

The 2000 FCRPS Biological Opinion gives the Bureau of Reclamation the responsibility to perform extensive in-stream fish habitat improvements in 16 priority subbasins where no Reclamation projects currently exist. The Bureau believes it has no current legal authority to engage in construction activities in those areas. Accordingly, the proposed appropriations bill language would give the Bureau this authority for the duration of FY2003. Regardless of whether this language is included in the appropriations bill, permanent authority for the Bureau is needed. The Council has draft authorizing language available upon request.

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**Endangered Species Recovery Implementation, ID, MT, OR, WA:** The Council recommends supporting the Administration's full FY2003 request of \$2.15 million for these activities. They address voluntary conservation recovery measures pursuant to section 7(a)(1) of the Endangered Species Act and consultation activities on certain Bureau projects where no funding source exists. Activities to be funded in FY2003 include:

- 1) Bull trout research and preliminary design work in the Boise and Deadwood rivers in Idaho, Yakima River in Washington, Clark Fork River in Montana, and Malheur River in Oregon;
- 2) Begins design of Frenchtown Diversion fishscreen and Big Flat Diversion fishscreen in Montana;
- 3) Begins a study to investigate opportunities to better manage the water resources in the Salmon Creek Watershed. One goal is to help restore the endangered Upper Columbia Spring Chinook and steelhead populations in Salmon Creek, where they have been mostly absent for 80 years. The second goal is to work with the Okanogan Irrigation District to improve the availability of water supplies for their irrigation needs while maintaining or improving the protection of fish and wildlife resources;
- 4) Continues proactive steps toward conservation and recovery of the listed upper Willamette steelhead; and
- 5) Completes construction of the fishscreen at Agency Valley Dam in Oregon.

**Yakima River Basin Water Enhancement Project, WA:** The Council supports the full FY2003 request of \$11.9 million for this project. It evaluates and implements structural and nonstructural measures to increase the reliability of the irrigation water supply and enhance streamflows for anadromous fish in the Yakima River Basin. Facility modifications, implementation of water conservation measures, and changes in operations, management and administration may be implemented to reduce the demand on the available water supply. Two-thirds of the water conserved under the Basin Conservation Program will remain instream and will be used to increase flow requirements for anadromous fish. Tribal water supplies will be improved, Toppenish Creek Corridor enhanced, and an irrigation demonstration program will be developed for the Yakama Nation to enhance tribal economic, fish, wildlife and cultural resources. Activities planned for FY2003 include:

- 1) feasibility studies for proposed grants by entities participating in the Basin Conservation Program for specific water conservation measures (\$365,000);
- 2) grants to entities participating in the Basin Conservation Program to implement and monitor the effect on river diversions of specific conservation measures (\$2.824 million);
- 3) lease or purchase of water from willing sellers or lessors to provide instream flows for the interim period until conservation measures are implemented;
- 4) continue groundwater settlement negotiations with Yakama Nation and Department of Ecology, Yakima Reclamation Project. This activity is necessary to protect and administer federally held water rights in the Yakima Project (\$389,000);
- 5) grants to the Yakama Nation for the implementation and construction of system improvements to the existing Wapato Irrigation Project (\$3.971 million); and
- 6) continue feasibility investigation to evaluate the possibility of a "bucket for bucket" pump exchange from the Columbia River's McNary Pool to supply water for portions of Kennewick and Columbia Irrigation Districts in exchange for their Yakima River water (\$1.25 million).

**Department of Commerce**  
**National Marine Fisheries Service**

**Funding Recommendations**

<b>Project</b>	<b>FY2003 Budget</b>	<b>Council Recommends</b>
<b>Columbia River Hatcheries (Mitchell Act Program)</b>		
Hatchery Operations	\$11.457 million	\$14.7 million
Monitoring, Evaluation & Reform	\$1.7 million	Support Budget
Columbia River Facilities (Fishscreens)	\$3.365	Support Budget
<b>Columbia River Biological Opinion Implementation</b>		
Protected Resources	\$10 million	Support Budget
Conservation and Management	\$2 million	Support Budget

**Program Descriptions:**

**Columbia River Mitchell Act Hatchery Program:** The Council recommends a \$3.243 million increase in hatchery operations in FY2003 for Columbia River hatcheries under the Mitchell Act for a total of \$14.7 million. Out of that increase, \$1 million should be specifically earmarked for mass marking of hatchery fish for selective fisheries. The remaining portion of the increase is necessary to maintain the program at its current level of operation. In addition, the Council supports the request of \$1.7 million for Monitoring, Evaluation and Reform, and \$3.365 million for irrigation diversion screening.

The Mitchell Act was passed by Congress in 1938, and later amended in 1946. It acknowledged the obligation of the federal taxpayers to mitigate some of the damage to Columbia River fisheries caused by hydroelectric development and other activities in the Columbia River Basin. The Act authorized federal agencies to work with the states to establish and operate hatcheries and fish passage facilities. In addition, the Council recommends the following report language to clarify the specific funding levels in the program's three categories:

*Columbia River Hatcheries — A total of \$14,700,000 is appropriated for NMFS support of the Columbia River Mitchell Act Hatchery Program at the current level of production and marking activities, including those directly*

*relating to mass marking for selective fisheries. \$1,700,000 is provided for monitoring, evaluation, and hatchery reform relating to requirements placed on the NMFS Mitchell Act hatcheries by the Endangered Species Act. Funding for irrigation diversion screening and fishways operations and maintenance at the level of \$3,365,000 is provided separately under the NOAA Facilities line item.*

**Columbia River Biological Opinion Implementation:** The Council supports the \$12 million increase in NMFS's FY2003 budget for the Research, Monitoring, and Evaluation (RM&E) necessary to continue implementing measures in the Columbia River Biological Opinion. The RM&E program will provide the scientific information necessary to assess whether Biological Opinion performance measures are being achieved at 2003, 2005, and 2008 check-ins. This funding also provides for the research needed to address key uncertainties identified in the Biological Opinion in the areas of estuary and near-shore ocean survival, delayed effects related to dam passage, and the effects of hatchery programs on the productivity of naturally spawning fish. Funding for this program is requested under the Protected Resources, Science and Technology (\$10 million) and Conservation and Management (\$2 million) line items.