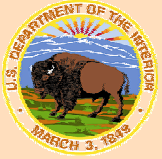




## Fisheries & Habitat Conservation



### Habitat Conservation

#### Key Partners:

- Numerous Private Landowners in Washington
- Washington Dept of Fish and Wildlife
- Washington Dept of Natural Resources
- Washington Dept of Ecology
- Washington Dept of Transportation
- 26 Federally Recognized Tribes
- More than 5 other Tribes
- Bureau of Indian Affairs
- NOAA Fisheries
- US Army Corps of Engineers
- National Park Service
- Town of Ione
- USDA Forest Service
- Bureau of Land Management
- Federal Highway Administration
- The Nature Conservancy
- Ducks Unlimited
- Trout Unlimited
- Numerous Washington and Idaho Counties
- Numerous Non-Government Organizations
- Private Industry



Removal of Cedar Creek Dam and channel restoration, restoring 12 miles of endangered bull trout habitat (Partners project in northeast Washington, Pend Oreille County)



Volunteers and FWS employees work on an inter-tidal restoration project at Commencement Bay, Tacoma, Washington

## U.S. Fish & Wildlife Service – Pacific Region

### Habitat Conservation

## Protecting and Restoring Native Habitats in Washington - 2005

### Working Cooperatively with Washington's Private Landowners

- In Western Washington, FWS funded and supported 24 pro-active restoration activities in western Washington totaling \$519,000. Our 73 partners provided \$1,870,000 in cost share. These projects restored or enhanced 298 acres of riparian habitat, 4,354 acres of wetland habitat, 363 acres of upland habitat, 3.4 miles of instream habitat, 62.4 miles of instream habitat access via barrier removal. FWS also assessed 12.8 miles of stream and provided assistance to Nisqually NWR with 900 acres of vegetation mapping.
- In Eastern Washington, FWS restored 2½ miles of stream and riparian corridor, and participated in the removal of 2 fish passage barriers, opening up 15 miles of streams to threatened bull trout; restored 20 acres of wetlands; and restored 102 acres of an unique upland plant community in the Palouse Prairie. One significant project, involving 14 partners, was the removal of Cedar Creek Dam in Pend Oreille County. The Partners program provided \$50,000 towards the overall project cost of about \$985,000.

### Environmental Contaminants Expertise Helps Protect and Restore Washington's Fish and Wildlife Species and Habitats

- Conducted or participated in multiple investigations into contaminant effects on fish and wildlife resources, including: lead-based Trumpeter swan mortalities in northwest Washington; pre-spawn mortality of salmonids in urban watersheds; effects of carbaryl on coastal cutthroat trout; contaminants in feeds and fish in FWS hatcheries; red-tailed hawk bill abnormalities; reproductive dysfunction of bald eagles around American Lake; and contaminants in osprey in Puget Sound and sea otters along the outer coast.
- Implemented the *Revised Nestucca Oil Spill Restoration Plan*; fulfilled Lead Administrative Trustee and Trustee Committee Chair duties for the Tenyo Maru Restoration effort; and acted as the Natural Resource Damage Assessment Federal Lead Administrative Trustee for the restoration of the December 2003 Foss/Pt. Wells oil spill. Implemented restoration for the 1999 Whatcom Creek/Olympic Pipe Line gasoline spill and fire in Bellingham.
- In Eastern Washington, worked cooperatively with other agencies as natural resources trustees to evaluate contaminant issues at 3 major Superfund sites and 7 other CERCLA sites; and provided technical assistance to other agencies to evaluate contaminant impacts on fish and wildlife at 12 CERCLA sites.

### Aquatic & Riparian Habitat Conservation From Relicensing Efforts

- Reached agreements for the relicensing of six dams that will open 264 miles of river to anadromous fish passage; result in the acquisition of 14,200 acres of land for fish and wildlife habitat; and the establishment of instream flow standards to protect bull trout and other aquatic species.

### Habitat Conservation - Contact us!

Western Washington  
U.S. Fish and Wildlife Service  
Western Washington Fish and Wildlife Office  
510 Desmond Dr, SE, Suite 102  
Lacey, WA 98503  
(360) 753-9440

<http://www.fws.gov/westwafwo/>

Eastern Washington  
U.S. Fish and Wildlife Service  
Upper Columbia Fish and Wildlife Office  
11103 E. Montgomery Drive  
Spokane, WA 99206  
(509) 891-6939

<http://www.fws.gov/easternwashington/>

## Fisheries

# Protecting & Restoring Fisheries & Aquatic Habitat in Washington - 2005

### Fishery Resources in Washington

- Employs Eighty-one permanent full time staff
- Operates two fisheries Resources Office, one Fish and Wildlife Office, eleven National Fish Hatcheries, two Fish Health Centers and one Fish Technology Center in the state.

### State-of-the-art Fish Health Center Opens on the Columbia River

- The Lower Columbia River Fish Health Center features the latest technology and a staff of scientists with expertise in bacteriology, virology, parasitology and DNA molecular techniques.
- This Center provides services to seven lower Columbia River federal fish hatcheries, Tribes, State and private facilities. The primary purposes of the Center are to inspect hatchery fish for pathogens, diagnose disease, and recommend remedial treatments to maintain good health management and to monitor the health of wild fish.
- Work done by the Center facilitates the restoration of significant anadromous fishery resources in the Columbia Basin by ensuring healthy hatchery stocks that have minimal impact on wild and natural stocks.

### Helping Meet Tomorrow's Fishery Resource Challenges Today!

- The Abernathy Fish Technology Center provides leadership in the scientifically based management of national fishery resources through development of new concepts and techniques to solve specific problems in aquatic restoration and recovery activities. The Center is the Pacific Region Fisheries Program's sole applied research facility and one of only seven such facilities nationwide. The Applied Research Programs, in the fields of Ecological Physiology, Conservation Genetics, Hatchery Reform/Integrated Hatchery Management, Fish Culture, Nutrition, and Pathology, conduct cooperative studies resulting in healthy populations of fish. Visit the Abernathy Fish Technology Center website for more information: <http://www.fws.gov/aftc>

### Working with partners to help fish, farms and people

- State, Tribal, and local governments, the four governors (ID, OR and WA), and the agricultural, environmental, and fisheries communities, all strongly support the Fisheries Restoration and Irrigation Mitigation Act (FRIMA) Program.
- Since funding first began in FY 2002, FRIMA projects, in Washington, have protected, enhanced, or made accessible more than 150 miles of streams.
- A color document which explains and highlights the FRIMA program and its accomplishments is online at: <http://www.fws.gov/pacific/Fisheries/FRIMA/>

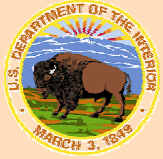
### Chehalis Basin Educational Effort

- Developed in cooperation with the Chehalis Basin Educational Consortium, water quality monitoring training for 35 teachers who conducted student field work for over 1,000 students. Helped publish 6 issues of *Drops of Water*, a newspaper insert that reaches over 45,000 households in the Chehalis Basin.

### Fisheries Contact us!

U.S. Fish and Wildlife Service  
Pacific Region Fishery Resources  
911 NE 11<sup>th</sup> Avenue  
Portland, OR 97232  
(503) 872-2763

<http://pacific.fws.gov/Fisheries/>



### Key Partners:

- Natural Resources Conservation Service
- Washington Department of Fish and Wildlife
- Conservation Districts
- Confederated Tribes of the Umatilla Indian Reservation
- Ducks Unlimited
- The Nature Conservancy
- Washington State University
- Columbia National Wildlife Refuge
- Nisqually National Wildlife Refuge
- Turnbull National Wildlife Refuge
- Willapa National Wildlife Refuge
- Long Live the Kings
- Chelan Public Utility District
- U.S. Geological Survey



Grand opening of the Lower Columbia River Fish Health Center.



Abernathy Fish Technology Center, staff geneticist, Jason Baumsteiger, tests DNA samples.