



U.S. Fish and Wildlife Service  
Washington Fish and Wildlife Office  
Restoration Programs

## Habitat Restoration Partnering Opportunities Fiscal Year 2013

### **General Information**

Through a number of programs, local offices of the U.S. Fish and Wildlife Service (Service) work with partners to restore habitats to benefit the Nation's fish and wildlife resources. We provide the following information to supplement our ongoing partnering efforts for both current and potential new partners to learn about and participate in Service programs that are available to provide both technical and financial assistance for habitat restoration projects.

Assistance with habitat restoration is available through the **Puget Sound Coastal Program (PSCP)**, **Partners for Fish and Wildlife Program (PFW)**, **Chehalis Fisheries Restoration Program (CFRP)**, **National Fish Passage Program (NFPP)**, and the **Western Native Trout Initiative (WNTI)**. For Program specific information, see Table 1 and pages 10-13.

### **Working Together**

We recommend that you read this document in its entirety, and contact us for further information about these habitat restoration programs (see Table 3. Program Contacts). Service biologists will provide technical assistance and work closely with project sponsors to develop projects, conduct site visits to project locations, and evaluate projects for Program eligibility. The Service and project sponsors will work together to plan and implement projects, coordinate with landowners and partners, hire and run crews, and evaluate post-project compliance and performance.

On our office website, at: [http://www.fws.gov/wafwo/funding\\_HARPO.html](http://www.fws.gov/wafwo/funding_HARPO.html) we provide an example format of a project summary sheet we use to consistently describe and evaluate projects. Service biologists will assist with project development and necessary summary information. We will accept other forms of project information, such as applications for other programs, as long as they cover all the topics contained in our summary sheet. Your interest in our restoration programs helps us to continue to grow existing partnerships and learn about other restoration opportunities and partnerships in Washington so we can strategically allocate personnel and funding to maximize conservation benefits for fish and wildlife.

The Service offers many more opportunities to partner in conservation of fish, wildlife, plants, and their habitats. Information on other Service restoration and recovery programs can be found on the web at: <http://www.fws.gov/wafwo/funding.html>

### **Annual Schedule**

Service biologists are available on a year-round basis to assist with development of projects. However, to best evaluate projects, align them with technical assistance and funding programs, and meet fiscal-year contracting deadlines, we work under the action schedule described below and summarized in the Table 2. Please note that changes to this schedule could occur should funding to our agency be delayed for fiscal year 2013.

Service interdisciplinary teams will evaluate all projects and make recommendations for further technical assistance or funding. Final decisions are made by the Washington Fish and Wildlife Office (WFWO) manager or at our Regional Office in Portland, Oregon. The Service is supportive of projects that maximize ecological benefits, meet specific Program goals, and provide flexibility to our partners. Service biologists will work with project partners throughout this evaluation process and inform partners of the status of their efforts. Decisions regarding technical and/or funding assistance are expected in the spring or early summer of 2013; however, we retain the discretion to make technical and funding assistance decisions at any time. Service biologists will provide technical assistance and be involved in any future project implementation and post-project evaluation.

Table 1. Program eligibility summary for locally administered programs.

	<b>Puget Sound Coastal Program</b>	<b>Partners for Fish and Wildlife</b>	<b>Chehalis Fisheries Restoration Program</b>
<b>Geographic Focus Areas.</b>	Watersheds by WRIA** 1-7, 11-18	Watersheds by WRIA** 1-7, 11, 14, 21-25, 28-31, 34, 37-39, 42-44, 48, 50, 62	Grays Harbor and Chehalis River basins. Watersheds by WRIA** 22 and 23
<b>On-the-ground Work?</b>	Yes	Yes	Yes
<b>Outreach and Education?</b>	Yes, if part of an on-the-ground project	Yes, if part of an on-the-ground project	Yes
<b>Assessment and Research?</b>	Yes, if part of an on-the-ground project.	No	Assessment only
<b>Maximum \$ per project</b>	\$25,000-\$50,000	\$25,000	Approximately \$50,000
<b>Cost share Requirement (also see p. 12)</b>	Prefer 50%*, 25% minimum	Prefer 50%*	Prefer 50%*, Approximately 25% minimum
<b>Minimum years maintained by cooperator/ landowner</b>	10	10	10
<b>Projects on Federal land?</b>	Yes - preference is for non-Federal	No	Yes - preference is for non-Federal
<b>Projects on State land?</b>	Yes	No	Yes
<b>Projects on Tribal Land?</b>	Yes	Yes	Yes
<b>Are Federal and State partners eligible?</b>	Yes	Yes	Yes

\* A 50% cost share is the same as a 1:1 cost share. In other words, if you are requesting \$20,000, you would need to have \$20,000 in match.

\*\* WRIA maps can be found at the following link: <http://www.ecy.wa.gov/apps/watersheds/wriapages/index.html>

Table 2. Action Schedule

Action Date	Action
Throughout the year	Service biologists provide technical assistance to partners interested in project development.
<p style="text-align: center;"><b>October 19, 2012</b></p> <p>Puget Sound Coastal Program Partners for Fish and Wildlife Program Chehalis Fisheries Restoration Program National Fish Passage Program Western Native Trout Initiative</p>	<p>Partners contact program biologists and submit a project summary form or equivalent by October 19, 2012. A template for this information is available at: <a href="http://www.fws.gov/wafwo/funding_HARPO.html">http://www.fws.gov/wafwo/funding_HARPO.html</a> Summary Project Information is due by email to the biologist listed on table 3, or to: <a href="mailto:projects@fws.gov">projects@fws.gov</a> or mail a compact disk with your Project Summary to: U.S. Fish and Wildlife Service WFWO Attention: Watershed Protection Branch 510 Desmond Drive SE Lacey, WA 98503</p>
<p style="text-align: center;"><b>The following dates may change depending on when funds are released to this office from Washington DC</b></p>	
<p style="text-align: center;"><b>February 2013</b></p>	Service biologists notify partners of priority restoration projects, those that may be supported financially (dependent on Congressional funding) or through in-kind services, technical assistance, or other substantial involvement.
<p style="text-align: center;"><b>April - May, 2013</b></p>	Service biologists work with partners to complete cooperative agreements and other federal contracting documents and initiate required Federal, State, Tribal, or local environmental compliance and permitting.
<p style="text-align: center;"><b>Spring 2013 and on</b></p>	Funds become available to partners (subject to final Service budget). Service biologists work with partners on project permitting and compliance, implementation, and post project evaluation.

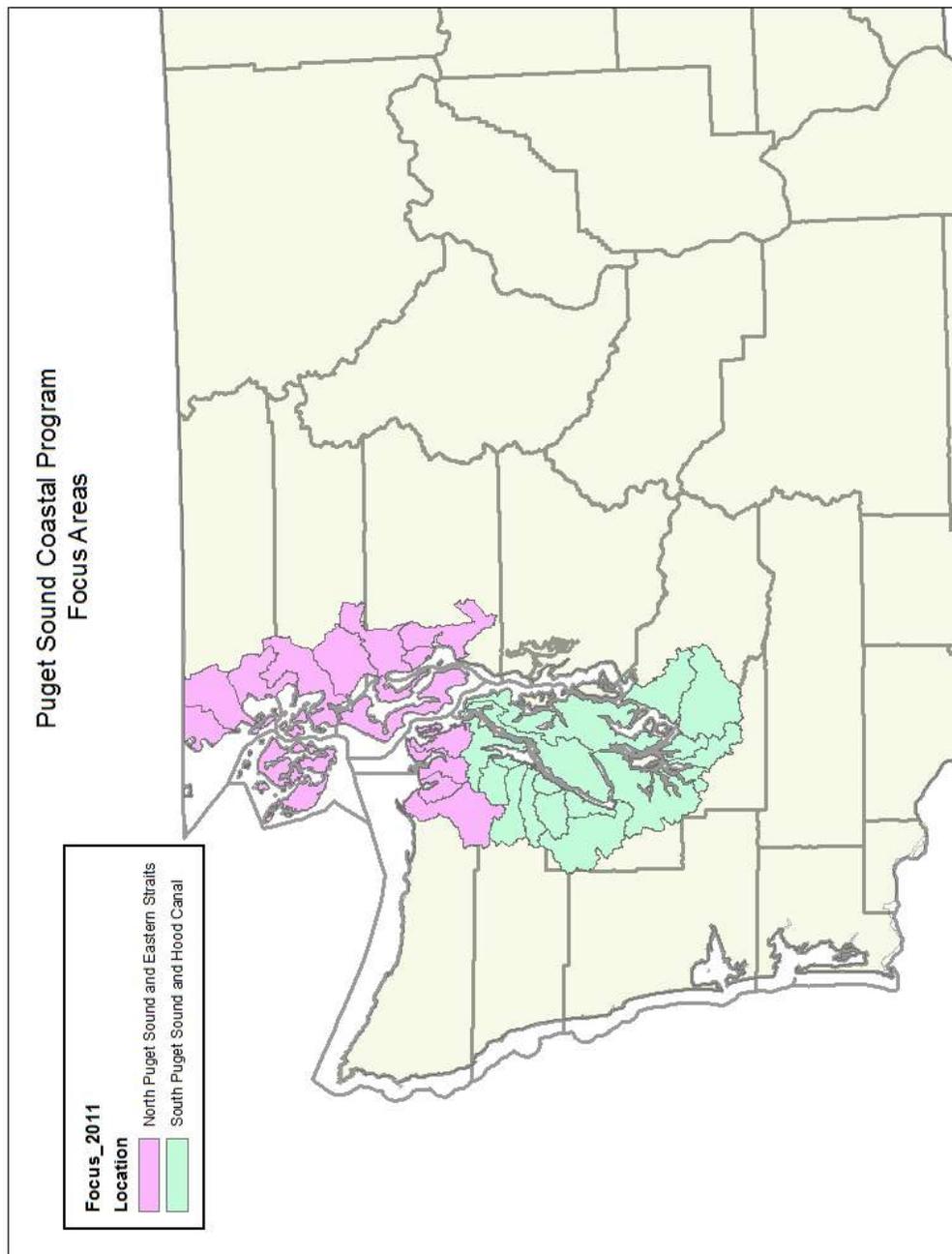
## Who Are Our Partners

Any private individual, State, Tribe, nonprofit organization, community group (such as a watershed team), land trust, corporation, individual entity, or Federal entity (only for some Programs, see Table 1).

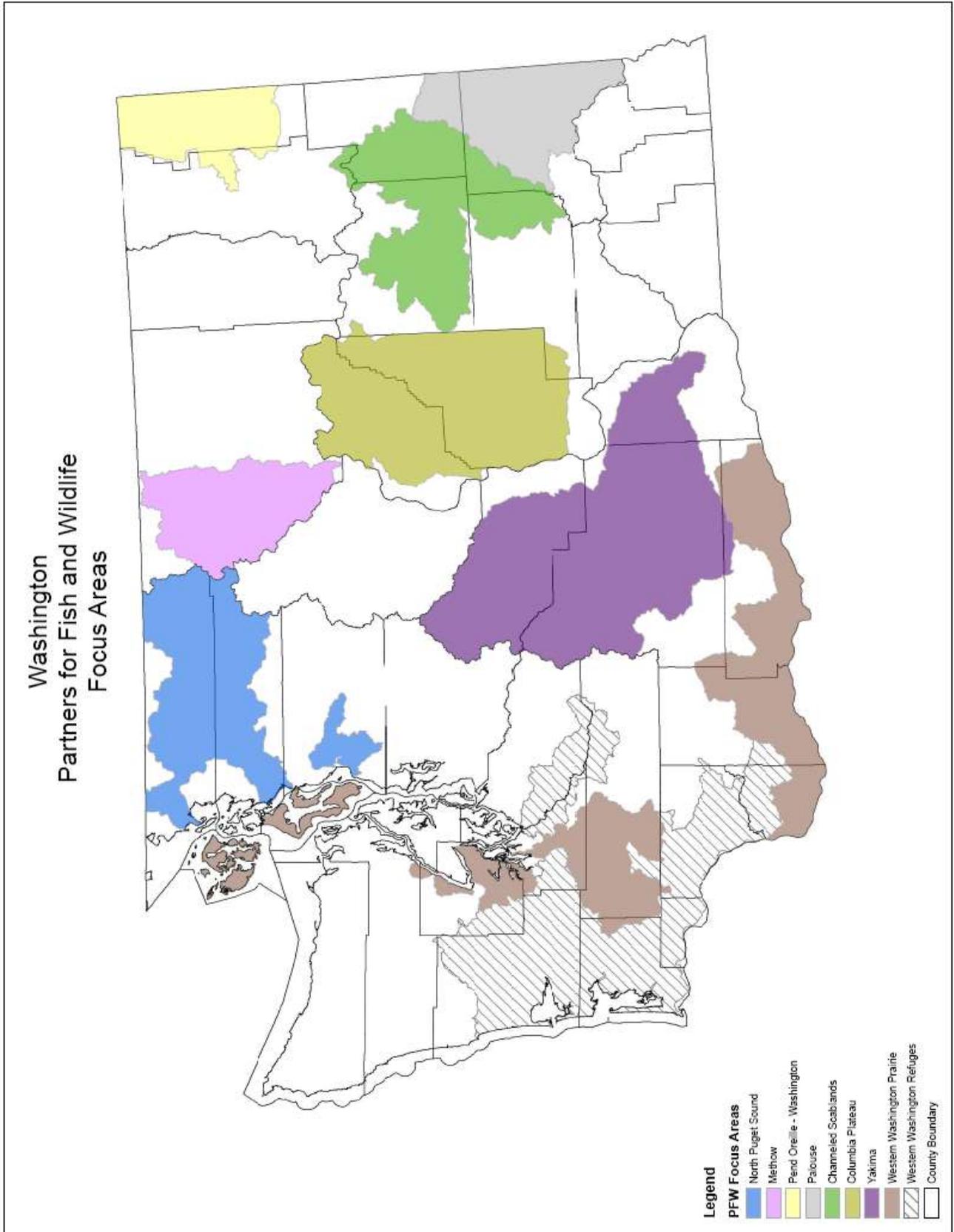
## Focus Areas

To maximize effectiveness the Service, working with our partners, has identified strategic areas to focus our restoration efforts. While we can and do work in other areas of Washington State, we concentrate our efforts in areas identified on the maps below.

Map 1. Coastal Program Focus Areas in Western Washington (Draft)



Map 2. Partners for Fish and Wildlife Program Focus Areas Washington (Draft)



## **Project Development Assistance**

Technical assistance in developing your project is available from the Service.

Table 3. Program Contacts

<b>Restoration Program</b>	<b>Contact</b>	<b>Phone Number</b>	<b>E-mail</b>
Puget Sound Coastal Program	Ginger Phalen	360-753-5819	<a href="mailto:ginger_phalen@fws.gov">ginger_phalen@fws.gov</a>
	Rich Carlson	360-753-5829	<a href="mailto:rich_carlson@fws.gov">rich_carlson@fws.gov</a>
Partners for Fish and Wildlife in <b>Columbia Plateau</b>	Tim McCracken	509-665-3508 ext. 17	<a href="mailto:timothy_mccracken@fws.gov">timothy_mccracken@fws.gov</a>
Partners for Fish and Wildlife in <b>Yakima and Mid-Columbia</b>	Richard Visser	509-575-5848 ext. 257	<a href="mailto:rvisser@usbr.gov">rvisser@usbr.gov</a>
Partners for Fish and Wildlife in <b>Upper Columbia</b>	Robes Parrish	509-548-2983	<a href="mailto:robert_m_parrish@fws.gov">robert_m_parrish@fws.gov</a>
Partners for Fish and Wildlife in <b>Eastern Washington</b>	Kurt Merg	509-385-7972	<a href="mailto:kurt_merg@fws.gov">kurt_merg@fws.gov</a>
Partners for Fish and Wildlife in <b>Western Washington</b>	J.F. (Paco) Rodriguez	360-753-4066	<a href="mailto:julio_rodriguez@fws.gov">julio_rodriguez@fws.gov</a>
Partners for Fish and Wildlife, <b>Prairie Restoration in Western Washington</b>	Judy Lantor	360-753-6056	<a href="mailto:judy_lantor@fws.gov">judy_lantor@fws.gov</a>
Partners for Fish and Wildlife, <b>Western Washington Refuge Focus Area</b>	Terri L Butler-Bates	360-484-3482	<a href="mailto:terri_butler-bates@fws.gov">terri_butler-bates@fws.gov</a>
Chehalis Fisheries Restoration Program	Miranda Plumb	360-753-9560	<a href="mailto:miranda_plumb@fws.gov">miranda_plumb@fws.gov</a>
National Fish Passage Program in <b>Western Washington</b>	Miranda Plumb	360-753-9560	<a href="mailto:miranda_plumb@fws.gov">miranda_plumb@fws.gov</a>
National Fish Passage Program in <b>Central and Eastern Washington</b>	Kate Terrell	509-548-2985	<a href="mailto:kate_terrell@fws.gov">kate_terrell@fws.gov</a>
Western Native Trout Initiative in <b>Central and Eastern Washington</b>	Kate Terrell	509-548-2985	<a href="mailto:kate_terrell@fws.gov">kate_terrell@fws.gov</a>
Western Native Trout Initiative in <b>Western Washington</b>	Miranda Plumb	360-753-9560	<a href="mailto:miranda_plumb@fws.gov">miranda_plumb@fws.gov</a>

## **Climate Change**

The Service is committed to considering how species and habitats are affected by climate change. We seek projects that help species adapt to climate change and promote projects that are resilient to climate change.

Expected climate change impacts in Washington State are: changes in temperature, precipitation, snowpack, and hydrology; increases in intensity and frequency of fire, storm surges, and impacts from sea level rise; and shifts in the distribution and range of native and non-native species.

The project information will need to describe how the project promotes species adaptation and is resilient to climate change. Adaptation and resiliency may result from increased habitat connectivity, securing transitional habitats, restoring refugia, reducing fire risk, protecting water quality and quantity, restoring processes that form and maintain habitat, and protecting habitats from invasion by non-native species.

More information on climate change is available at:

<http://www.fws.gov/pacific/Climatechange/changepnw.html>

<http://cses.washington.edu/cig/res/ia/waccia.shtml>

## **Invasive Species**

The Service is very concerned about the impacts invasive species are having in Washington State and across the Nation. Invasive species degrade, change, or displace native habitats and compete with our native wildlife and are thus harmful to our fish, wildlife, and plant resources.

Preventing the introduction or spread of invasive and non-target species is the most effective strategy to avoid impact to our native ecosystems. Preventive measures typically offer the most cost-effective means to minimize or eliminate environmental and economic impacts due to invasive species.

The project information you provide needs to describe how invasive species prevention will be addressed during the planning and construction phase of the proposed project. Please describe what steps you plan to take to minimize the potential of: 1) Bringing invasive species into your project site; 2) Spreading invasive species from your project site to other areas.

Please consider the following questions when describing your how you will control invasive species: 1) What species are you concerned about importing or exporting from the project site; 2) What methods are you considering to reduce the risk of spreading invasive species; and 3) How will the project site be monitored for invasive species and what steps can you take to control them if identified and it is deemed necessary to take action.

One method that can help your planning is called Hazard Analysis and Critical Control Point (HACCP). HACCP is a management tool that provides a structured method to identify risks and focus procedures on pathway's that invasive species are spread. Understanding pathways and developing plans to reduce non-target species and prevent biological contamination is necessary to avoid unintended spread of species. The manual for implementing HACCP is available at:

<http://training.fws.gov/EC/Resources/pdf/HACCP%20Manual>

There is an on-line wizard that will help walk you through the development of a HACCP plan.

The web site is: <http://www.haccp-nrm.org/wizard/actdesc.asp>

Please let us know on the project summary form if you plan to use HACCP as an invasive species management tool.

## **Eligible Program Activities**

**Subject to specific Program requirements (see Table 2.)**

### Riparian and Wetland

- Silviculture treatments (conifer release or interplanting, brush control)
- Reduction of livestock impacts (installation of fencing, crossings, and off-channel watering devices)
- Woody debris supplementation for amphibian and riparian dependent species habitat diversity
- Non-native plant and animal removal/control
- Native plant establishment/diversification
- Fill removal
- Hydrologic regime improvements (dike removal or , ditch plugging, drainage tile removal)
- Native species captive breeding, propagation, introduction, re-establishment
- Predator control to benefit native species recovery

### Instream

- Fish passage improvements at man-made barriers
- Irrigation diversion fish screening
- Culvert replacements to improve fish passage using WDFW Stream Simulation or No-slope design criteria
- Culvert and associated fill removal to restore stream channel configuration
- Nutrient cycling supplementation (such as salmon carcass deployment)
- Placement of key wood pieces to induce large wood structures/jams
- Native species captive breeding, propagation, introduction, re-establishment
- Non-native plant and animal removal/control
- Predator control to benefit native species recovery

### Upland

- Road abandonment, decommissioning, obliteration
- Road drainage improvements and storm proofing
- Re-establishment of historic contours (sidecast pullback, fill of cuts, swale re-creation)
- Habitat diversity activities (creation of cavities, bat slits, snags, coarse woody debris)
- Silvicultural treatments (oak release, thinning/planting to benefit wildlife habitat)
- Non-native plant and animal removal/control
- Native plant establishment/diversification/enhancement
- Reduction of livestock impacts (installation of fencing to reduce competition with wildlife)
- Native species captive breeding, propagation, introduction, re-establishment
- Predator control to benefit native species recovery

### Assessment and Research

- Pre- and post-project monitoring (photo-documentation and data collection)

- Watershed or reach level assessments to identify and support restoration opportunities

### Outreach and Education

- Workshops and site tours for stakeholders
- Educational outreach, displays, brochures, signage, and newsletters
- School teacher training and classroom environmental education

### Ineligible Program Activities

- Pond creation
- Cleanup of Federal or State designated environmental contaminant sites
- Community beautification and/or recreational access
- Fines/penalties due to non-compliance with Federal, State, or local laws
- Fish passage using WDFW Hydraulic design criteria
- Gravel bar mining
- Gravel trap development or maintenance
- Improvement of natural resources for commercial or private profit
- Land acquisitions, conservation easements, or appraisals
- Required Habitat Conservation Plan activities
- Required mitigation
- Streambank hardening (rip-rap, bulkheads, or other armoring)
- Structure-based restoration planned without primary consideration of habitat protection, habitat
- Connectivity, or habitat-forming processes

### Cost Share Definition

Cost share, as defined for these Service Programs is the amount or percentage of the total project cost that the project partners must contribute towards the project. For example: the estimated project cost is \$26,000, and the Service Program requires a 25% minimum cost share. The most that can be requested from the Service would be \$19,500, and project partners, would have to provide the remaining \$6,500. For all Programs, if provided cost share is higher than the 25% minimum, a project is more likely to be supported by the WFWO.

Cash: Funds that have been secured or are pending final approval from Federal, State, or private sources will be counted as eligible cost share. Project partners must differentiate between secured and pending cash cost share amounts.

In-Kind: Eligible in-kind cost share types include those services committed from other Federal, State, or private sources such as: labor, use of personnel equipment, surveying, or other contributions that would otherwise qualify for Program funds.

Ineligible in-kind cost share types include: value of the land, costs associated with unrelated or ineligible projects, and work performed by WFWO Service personnel.

## **Program Information**

### **Puget Sound Coastal Program**

The Puget Sound Coastal Program (PSCP) is part of the Service's National Coastal Program. In 1991, the PSCP was established to protect, restore, and enhance the natural resources of Washington's coastal ecosystems. We work closely with partners to conserve fish, wildlife, plants and their habitats in Puget Sound, an "estuary of national significance." Partnerships with other agencies, Native American Tribes, citizens, and organizations are emphasized. The PSCP has identified geographic focus areas. These areas are: North Puget Sound and the Eastern Strait of Juan de Fuca; South Puget Sound and Hood Canal (see Figure 1, Focus Areas in Western Washington). Projects occurring outside of the focus area boundaries are eligible; however, we prioritize partnership and project development within the focus areas. The PSCP typically provides financial assistance of less than \$50,000 for individual habitat restoration projects.

#### **Goals:**

- Restore and protect coastal habitats through completion of interagency projects; provide technical assistance in the restoration process; and provide cost share where appropriate.
- Collect and develop information on the status of and threats to fish and wildlife and their habitats in Puget Sound and the Washington Coast.
- Use outreach and education to improve stewardship and conservation of Washington's coastal resources. Increase understanding and prevent the introduction and spread of coastal and marine non-native, invasive species.
- Support the strategic priorities of the Puget Sound Partnership and the Puget Sound Nearshore Ecosystem Restoration Project.

#### **Types of projects preferred for PSCP:**

Due to the highly developed and/or impacted state of most of our coastal resources in Washington, projects tend to be large and multi-partner in nature. Our primary focus is on-the-ground projects within the above mentioned focus areas. Example projects can include:

- Tide gate or dike removal to restore tidal hydrology to estuarine wetlands,
- Protection and restoration of estuarine and near-shore habitat,
- Removal of derelict fishing gear, and
- Protection and restoration of unique coastal upland habitats and coastal habitats that support federally listed species or species of concern.

### **Partners for Fish and Wildlife Program**

The PFW Program is a national, voluntary habitat restoration program that provides technical and financial assistance to private landowners, Tribes and other conservation partners. The PFW Program focuses on restoring habitat for migratory birds, inter-jurisdictional fish, and declining plant and animal species. The PFW Program has identified geographic focus areas. These areas are: Western Washington prairies; Western Washington Refuges; North Puget Sound Salmon Habitat; the Columbia Plateau; the Palouse Prairie; channeled scabland; the Methow watershed; the Pend Oreille and Yakima watersheds (see map 2.). Projects occurring outside of these focus area boundaries are eligible; however, we prioritize partnership and project development within the focus areas. Priority habitats in Washington include forests, wetlands, lakes, rivers and streams, riparian areas, prairies, and shrub-steppe. The PFW program typically provides financial assistance of \$25,000 or less for individual habitat restoration projects.

**The Partners Program cannot fund work on state or federal property but can collaborate with state and federal agencies.**

Goals:

- Develop partnerships through proactive, voluntary cooperative efforts with private landowners, nongovernmental organizations, other agencies, and Native Americans to restore habitat on private lands.
- Reestablish habitat function through restoration and/or enhancement activities;
- Improve water quality;
- Provide corridors and decrease impediments to native fish and wildlife migration;
- Enhance the environmental integrity of the National Wildlife Refuge System by restoring private lands that influence habitat on Refuge lands.

Types of projects preferred for PFW:

Projects may include, but are not limited to:

- planting native trees and shrubs and other vegetation;
- installing fencing and off-stream livestock watering facilities;
- restoring wetland hydrology;
- removing stream blockages; and
- controlling invasive plants.

## **Chehalis Fisheries Restoration Program**

Significant runs of salmon, steelhead, and cutthroat trout have declined throughout the Chehalis Basin, the second largest watershed in Washington. Commercial and sport fishing have greatly diminished in the area. The general goal of the CFRP is “to optimize natural salmon and steelhead production while maintaining the existing genetic adaptation of wild spawners and allowing the highest compatible level of hatchery production.” The CFRP works toward the recovery of Chehalis Basin fisheries by forming partnerships with private landowners, non-profit organizations, and local, tribal, and State agencies, and by implementing habitat restoration, habitat assessment, and public education projects. The CFRP typically provides financial assistance of less than the \$50,000 for individual habitat restoration projects.

Objectives:

- Improve water quality in Inner Grays Harbor and the Upper Chehalis River Basin.
- Restore or improve natural spawning and rearing habitat.
- Extend the range of wild spawning anadromous fish to achieve optimum habitat use.
- Increase public awareness of fisheries habitat restoration values in the Chehalis Basin.

Types of projects preferred for CFRP:

Projects may include, but are not limited to the following: On the ground projects in watersheds that are in relatively good condition, have ongoing restoration, and that have a completed watershed assessment will receive priority. Assessment projects that fill identified data gaps in existing watershed assessments will receive priority. Outreach projects that are established and successful or that are innovative will receive priority.

## **National Fish Passage Program**

The National Fish Passage Program is a voluntary program to restore native fish and other aquatic species to self-sustaining levels by reconnecting habitat that has been fragmented by man-made barriers. Fish passage projects restore unimpeded flows and fish movement by removing barriers or providing ways for aquatic species to bypass them. Projects are prioritized based upon the benefits to species and the geographical area. Typical projects include barrier culvert removal or replacement with a fish passable culvert or bridge and re-opening oxbow and off channel habitats. Typical funding amounts range from \$15,000 to \$80,000 with a minimum 25% cost share requested. Funding decisions for this program have typically been made at our Regional Office in Portland, Oregon.

Types of projects preferred for funding under the NFPP are those that:

- Show demonstrable ecological benefits for Federal trust species.
- Exhibit permanence of fish passage benefits.
- Make use of the most current scientific knowledge and proven technology.
- Address objectives outlined in approved management plans.

Local offices help with the development and evaluation of projects for NFPP. For assistance and information on for NFPP please contact:

### **Western Washington:**

Miranda Plumb

(360) 753-9560

[miranda\\_plumb@fws.gov](mailto:miranda_plumb@fws.gov)

### **Eastern Washington:**

Kate Terrell

509-548-2985

[kate\\_terrell@fws.gov](mailto:kate_terrell@fws.gov)

More information on the NFPP is available at the following internet site:

<http://pacific.fws.gov/fisheries/fishpassage/>

## **Western Native Trout Initiative**

The Western Native Trout Initiative is a fish habitat partnership within the National Fish Habitat Action Plan ( [www.fishhabitat.org](http://www.fishhabitat.org) ). It is a nationwide strategy that harnesses the energies, expertise, and existing partnerships of State and Federal agencies and conservation organizations. It is a non-regulatory, science-based, cooperative program to fund conservation actions for western native trout. The goals of the Program include:

- protect and maintain intact and healthy aquatic systems,
- prevent further degradation of fish and aquatic habitats, and
- increase self-sustaining aquatic systems that support a broad natural diversity of fish and other aquatic species.

Projects are prioritized based upon the benefits to species and the geographical area.

Although funding decisions for this program is made by a multi-agency organization; local offices help with the development and evaluation of projects for WNTI. For assistance and information on for WNTI please contact:

**Western Washington:**

Miranda Plumb

(360) 753-9560

[miranda\\_plumb@fws.gov](mailto:miranda_plumb@fws.gov)

**Eastern Washington:**

Kate Terrell

509-548-2985

[kate\\_terrell@fws.gov](mailto:kate_terrell@fws.gov)

More information for the Western Native Trout Initiative is at the following internet site:

<http://www.westernnativetrout.org/>