

**Pacific Northwest Regional Water Quality Coordination Project Partners**

**Land Grant Universities**

**Alaska**

Cooperative Extension Service  
Contact Fred Sorensen:  
907-786-6311

<http://www.uaf.edu/ces/water/>

University Publications:

<http://www.alaska.edu/uaf/ces/publications/>

**Idaho**

University of Idaho  
Cooperative Extension System  
Contact Bob Mahler: 208-885-7025  
<http://www.uidaho.edu/wq/wqhome.html>  
University Publications:  
<http://info.ag.uidaho.edu/Catalog/catalog.htm>

**Oregon**

Oregon State University  
Extension Service  
Contact Mike Gamroth: 541-737-3316  
<http://extension.oregonstate.edu/>  
University Publications:  
<http://extension.oregonstate.edu/catalog/>

**Washington**

Washington State University  
WSU Extension  
Contact Bob Simmons:  
360-427-9670 ext. 690  
<http://wawater.wsu.edu/>  
University Publications:  
<http://pubs.wsu.edu/>

Northwest Indian College  
Contact Charlotte Clausing:  
360-392-4319  
cclausing@nwic.edu or  
<http://www.nwic.edu/>

**Water Resource Research Institutes**

Water and Environmental Research  
Center (Alaska)  
<http://www.uaf.edu/water/>

Idaho Water Resources  
Research Institute  
<http://www.boise.uidaho.edu/>

Institute for Water and  
Watersheds (Oregon)  
<http://water.oregonstate.edu/>

State of Washington  
Water Research Center  
<http://www.swwrc.wsu.edu/>

**Environmental Protection Agency**

EPA, Region 10  
The Pacific Northwest  
<http://www.epa.gov/r10earth/>

Office of Research and Development,  
Corvallis Laboratory  
<http://www.epa.gov/wed/>

For more information contact  
Jan Seago at 206-553-0038 or  
[seago.jan@epa.gov](mailto:seago.jan@epa.gov)

**The Project**

Land Grant Universities, Water Research Institutes, and EPA Region 10 have formed a partnership to provide research and education to communities about protecting or restoring the quality of water resources. This partnership is being supported in part by the USDA's National Institute of Food and Agriculture (NIFA).

**Our Goal and Approach**

The goal of this Project is to provide leadership for water resources research, education, and outreach to help people, industry, and governments to prevent and solve current and emerging water quality and quantity problems. The approach to achieving this goal is for the Partners to develop a coordinated water quality effort based on, and strengthening, individual state programs.

**Our Strengths**

The Project promotes regional collaboration by acknowledging existing programs and successful efforts; assisting program gaps; identifying potential issues for cross-agency and private sector collaboration; and developing a clearinghouse of expertise and programs. In addition, the Project establishes or enhances partnerships with federal, state, and local environmental and water resource management agencies, such as by placing a University Liaison within the offices of EPA Region 10.



**National Water Quality Program Areas**

The four land grant universities in the Pacific Northwest have aligned our water resource Extension and research efforts with eight themes of the USDA's National Institute of Food and Agriculture.

1. Animal Waste Management
2. Drinking Water and Human Health
3. Environmental Restoration
4. Nutrient and Pesticide Management
5. Pollution Assessment and Prevention
6. Watershed Management
7. Water Conservation and Management
8. Water Policy and Economics

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Applying knowledge to improve water quality

**Pacific Northwest  
Regional Water Program**

A Partnership of USDA NIFA  
& Land Grant Colleges and Universities

**Environmental Restoration**



**Overview**

In our efforts to domesticate our lands and waters to the benefit of man, we have inadvertently degraded their ability to provide other uses. For example, by altering riparian areas and wetlands, we have affected their ability to provide fish and wildlife habitat as well as provide stream bank stability, flood protection, and water quality protection. Throughout the Pacific Northwest there are significant efforts underway to restore landscapes and ecosystems to better protect water quality and fish and wildlife habitat. The four land grant universities are actively engaged in research activities and outreach efforts that directly relate to watershed restoration. The universities have also developed a wide range of research-based educational materials on soils, plants, planting techniques, land management, and other topics directly related to environmental restoration.

**Desired Outcomes**

- Ecological systems are restored
- Restoration efforts are more successful
- Water resources are better protected
- Individuals have a greater knowledge and ability to implement restoration activities



**Pacific Northwest Regional Publications: (note: these publications can be obtained from publication offices at Oregon State University, Washington State University and the University of Idaho)**



- PNW 552** Taking Care of Streams in Western Washington, Western Oregon, and Coastal Alaska
- PNW 557** Taking Care of Streams in Eastern Washington, Eastern Oregon, and Idaho: A Homeowner's Guide to Riparian Areas
- PNW 558** Taking Care of Streams in Western Washington, Western Oregon, and Coastal Alaska: A Landowner's Guide to Riparian Areas
- PNW 559** Taking Care of Streams in Eastern Washington, Eastern Oregon, and Idaho: A Landowner's Guide to Riparian Areas
- PNW 560** Taking Care of Streams in Washington, Oregon, Idaho, and Alaska: A Guide to Riparian Areas in Rangelands

**PNW 561** Taking Care of Streams in Washington, Oregon, Idaho, and Alaska: A Recreationist's Guide to Riparian Areas

**PNW 562** Taking Care of Streams in Washington, Oregon, Idaho, and Alaska: A Developer's Guide to Riparian Areas

**ALASKA Contacts**

**Dave Barnes**, Associate Professor of Environmental Engineering, Fairbanks, (907) 474-6126, [ffdlb@uaf.edu](mailto:ffdlb@uaf.edu)

**Bob Wheeler**, Forestry Specialist, Fairbanks, (907) 474-6356, [ffraw@uaf.edu](mailto:ffraw@uaf.edu)

**Fred Sorensen**, Water Quality Coordinator, Anchorage, (907) 786-6311, [dffes@uaa.alaska.edu](mailto:dffes@uaa.alaska.edu)

**ALASKA Publications**

**GWQ-00548** Protecting Alaska's Water Resources

**FWM-00113** Tree Production and Planting Considerations

**HGA-00335** Transplanting Trees Successfully

**IDAHO Contacts**

**Robert L. Mahler**, Water Quality Coordinator, Moscow, (208) 885-7025, [bmahler@uidaho.edu](mailto:bmahler@uidaho.edu)

**Chuck Harris**, Human Dimensions of Ecosystem Management; Policy and Planning, Moscow, (208) 885-6314, [charris@uidaho.edu](mailto:charris@uidaho.edu)

**Jim Kingery**, Rangeland Ecologist; Wildland Vegetation Management, Moscow, (208) 885-7503, [jkingery@uidaho.edu](mailto:jkingery@uidaho.edu)

**Jeff Braatne**, Stream and Riparian Ecology; Riparian and Wetland Plants, Moscow, (208) 885-9712, [braatne@uidaho.edu](mailto:braatne@uidaho.edu)

**IDAHO Publications**

**CIS 887** Idaho's Water Resource

**SB 61** Are Your Streams Healthy? Stream Quality Survey for Managing Private Forest Ecosystems

**Order 624** Forestry BMPs for Idaho

**Order 723** Trees Against the Wind

**Order 7048** Riparian Water Quality Study — Clark County

**OREGON Contacts**

**Derek Godwin**, Extension Watershed Management Agent, Salem, (503) 566-2909, [derek.godwin@oregonstate.edu](mailto:derek.godwin@oregonstate.edu)

**Mary Holbert**, Extension Agent, Newport, (541) 574-6534 Ext. 30, [mary.holbert@oregonstate.edu](mailto:mary.holbert@oregonstate.edu)

**Dan Edge**, Fish Habitat and Fishery Restoration, Corvallis, (541) 737-2910, [daniel.edge@oregonstate.edu](mailto:daniel.edge@oregonstate.edu)

**John Bolte**, Watershed Processes and Restoration, Corvallis, (541) 737-6303, [john.bolte@oregonstate.edu](mailto:john.bolte@oregonstate.edu)



**OREGON Publications**

**EC 1407** Understanding Natural Wetlands

**EC 1408** Using Constructed Wetlands to Improve Water Quality

**EC 1489** Stream Temperatures: Some Basic Considerations

**EM 8714** Watershed Stewardship: A Learning Guide

**EM 8738** Life on the Edge: Restoring Riparian Function

**EM 8761** Stream\*A\*Syst: A Tool to Help You Examine Stream Conditions on Your Property

**VTP 021** We All Live Downstream video (28 min.)

**VTP 029** After the Rain video (30 min.)

**WASHINGTON Contacts**

**Robert Simmons**, Land restoration techniques for fish and wildlife habitat improvement, Shelton, (360) 427-9670 Ext. 690, [simmons@wsu.edu](mailto:simmons@wsu.edu)

**Shulin Chen**, Water quality monitoring, watershed assessment, water quality management, watershed modeling, and evaluation of best management practices, Pullman, (509) 335-3743, [chens@wsu.edu](mailto:chens@wsu.edu)

**Barry Moore**, Lake and stream ecology and restoration, Pullman, (509) 335-4006, [bcmoore@wsu.edu](mailto:bcmoore@wsu.edu)

**WASHINGTON Publications**

**EB 0440** Trees of Washington

**EB 1446** Steppe Vegetation of Washington

**EB 1505** Planting Landscape Plants

**EB 1579** Landscape Plants for the Inland Northwest

**MISC 0132** Is There a Place for Fish and Wildlife in Your Woodland?

**MISC 0133** Riparian Areas: Fish and Wildlife Havens

**MISC 0141** Managing Small Woodlands for Grouse

**MISC 0158** Managing Ponderosa Pine Woodlands for Fish and Wildlife

**MISC 0160** Managing Small Woodlands for Cavity Nesting Birds

**MISC 0161** Trout in Small Woodland Areas

**MISC 0164** Managing Small Woodlands for Elk

**MISC 0169** Hawk, Eagle and Osprey Management on Small Woodlands

**MISC 0179** Wetlands as Varied as our Region

**MISC 0187** Managing Quail on Small Woodlands

**MISC 0189** Managing Deer in Small Woodlands

**MISC 0196** Beaver, Muskrat, and Nutria on Small Woodlands

**MISC 0229** Interior Cedar-Hemlock-White Pine Forests: Ecology and Management

**MISC 0232** Ponderosa Pine: The Species and its Management

**MISC 0249** Forest Vegetation of Eastern Washington and Northern Idaho

**MISC 0267** Landscaping with Native Plants in the Inland Northwest

**MISC 0273** Grow Your Own Native Landscape: A Guide to Identifying, Propagation and Landscaping with Western Washington Native Plants

**MISC 0274** Winter in the Woods: A Winter Guide to Deciduous Native Plants in Western Washington

**MISC 0337** Plant it Right: Restoration Planting Techniques

**PNW 0500** Plant Materials for Landscaping: A List of Plants for the Pacific Northwest

**VT 0082** Keep it Clean Downstream

**VT 0113** Plant it Right: Restoring Our Streams

