



Applying knowledge to improve water quality

Pacific Northwest

Regional Water Program

A Partnership of USDA CSREES
& Land Grant Colleges and Universities

Spring 2006
PNWWATER 084

October 17 Satellite Conference:

Stormwater Management from a Watershed Perspective: Extreme Western Climates



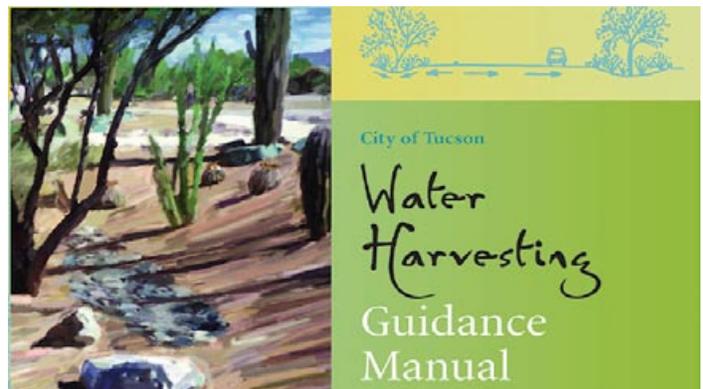
Evaluations from the over 4,000 people who attended the 2005 “Stormwater Management from a Watershed Perspective” satellite conferences indicated that there was interest in learning about best management practices for stormwater in extreme climates in the western USA. Consequently, the 2006 October broadcast will target stormwater management in both cold and arid climates.

Answering that request, Anchorage, Alaska’s Municipal Public Works Department, Anchorage Waterways, and the Alaska Department of Environmental Conservation join with the Pacific Northwest Regional Water Quality team to demonstrate the strategies used in a northern city to manage contaminant movement from salted and graveled city streets and parking lot snowpiles to the City’s numerous salmon bearing creeks. The Anchorage Public Works’ Stormwater Management personnel will

take the cameras on a tour of the BMPs that are in place and several that are still on the drawing board.

Working with Arizona NEMO (Nonpoint Education for Municipal Officials), the cameras will record strategies used to control the massive runoff caused by summer ‘monsoon’ rains. One of the working strategies for controlling stormwater runoff in Arizona is harvesting the rainwater, saving it for irrigation. We will tour the gardens of a legendary rainwater harvester for a look at his methods. Included on the tour, BMPs utilized to safeguard against sediment erosion during storm events. A rancher will show how he has curtailed storm caused erosion by installing road stabilization and culverts. We will visit with city, state, and county government entities to view their strategies.

The Pacific Northwest Regional Water Quality Program produces the fifth in the award-winning Watershed Issues Satellite workshops. As a program based on stakeholder requests for workshops on emerging issues, we will visit these two climates and study in-depth the strategies used, the science used to select types of strategies, and look at the monitoring data to see if the installations are helping to manage stormwater.



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/index.html>

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.html>

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: Michael Cochrane:
360-392-4299

mcocrane@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/>

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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 Cooperative State Research, Education, and Extension System (CSREES).

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.

If you are interested in hosting a viewing site in your community, or to find out where to attend this Satellite/Videostream workshop, please call Jan Seago at 206-553-0038 or e-mail seago.jan@epa.gov. Updates are available at <http://www.pnwwaterweb.com>.

The Anthology of Watershed Issues Satellite 2002–2005 conferences are now available in a packaged DVD format. These conferences were produced and made available by the Information Department in Washington State University's College of Agriculture, Human, and Natural Resource Sciences. You can order this anthology set from the Washington State University Bulletin office, 1-800-723-1763, or online at <http://pubs.wsu.edu/cgi-bin/pubs/index.html>.

The four workshops contained in this anthology are: (1) *Living on the Edge: Grassroots Watershed Planning in the Pacific Northwest* which chronicles the paths around the barriers found when three watershed groups learn to plan collaboratively; (2) *Funding Watershed Restoration* introduces methods to develop sustainable funding streams for watershed work. A federal grant evaluator and a private enterprise environmental grant writer give advice on 'smart' grant writing; (3) *Improving Community Involvement* visits three watershed groups around the Pacific Northwest to hear their experiences in developing and maintaining volunteer support for watershed projects; and (4) *Stormwater Management from a Watershed Perspective*, highlights three innovative ways of managing stormwater runoff.



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 Cooperative State Research, Education, and Extension System.

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

CSREES is the Cooperative States Research, Education, and Extension Service, a sub-agency of the United States Department of Agriculture, and is the federal partner in this water quality program.