



AQUATIC
EDUCATION
IN THE
PACIFIC
NORTHWEST
REGION

**A Synopsis of
Selected Programs**

U.S.D.A. Forest Service



US FOREST SERVICE

PACIFIC NORTHWEST REGION AQUATIC EDUCATION PROGRAMS

Visit Us: www.fs.fed.us/r6/fishing/regional

Lake Roosevelt Water Festival Regional Award Winner

When: September

Location: Kettle Falls and Sherman Creek Fish Hatchery, Washington

Lead Forest: Colville National Forest

Attendance: Approximately 700

Focus: A community-based, aquatic resources education festival that includes a two-day water resources workshop for 4th grade children. Children are introduced to water resources and the relationship of these resources to their communities. Independent learning, research, and critical thinking skills are all incorporated into the workshop curricula to keep students engaged and active in monitoring and protecting the water resources of their own communities. Water Festival lesson plans can be found at <http://www.fs.fed.us/r6/colville/waterfest/index.htm>

Key Partners: Lake Roosevelt National Recreation Area, Avista Utilities, Cominco of Canada, and Washington Department of Fish and Wildlife.



Scouts check water quality in their hometown watershed.

National Fishing Week National Award Winner

When: June

Location: Throughout Oregon and Washington

Attendance: Approximately 20 000

Focus: National Fishing Week is the "Yagship" of the Regional Fisheries Aquatic Education Program. All 18 administrative units in the Region and over 650 partners participate in raising the level of awareness and appreciation of the Pacific Northwest's fisheries resources and recreational fishing. Sixty-five events include fisheries education, fishing instruction, contests, Native American culture, and fishing ethics.

Key Partners: Oregon Department of Fish and Wildlife, Washington Department of Fish and Wildlife, Hooked On Fishing International.



Proud fisherman.

Skagit Watershed Education Project National Award Winner

When: Late winter, spring, summer and fall programs

Location: Sedro Woolley, Washington

Lead Forest: Mount Baker Snoqualmie National Forest

Attendance: Approximately 6000

Focus: Watershed, fisheries, and wildlife education make this exemplary program a favorite in Northwest Washington. Various program components include teacher in-service workshops, classroom visits, student field trips, and student/teacher evaluation. An expansion program is currently underway on the Stillaguamish River.

Key Partners: North Cascades Institute and the National Park Service.



Returning sockeye salmon

US FOREST SERVICE

PACIFIC NORTHWEST REGION AQUATIC EDUCATION PROGRAMS

Visit Us: www.fs.fed.us/r6/fishing/regional

Cascade Streamwatch National Award Winner

When: Late winter, spring, summer and fall programs

Location: Welches, Oregon

Lead Forest: Mt. Hood National Forest

Attendance: Approximately 4,000

Focus: Aquatic resources education for elementary, middle, high school students and adults is the focus of this outstanding program. Approximately 4,000 Portland, Oregon students visit the site through cooperatively sponsored field trips. A major feature is an aquatic learning center which includes an underwater window that allows viewers a very special opportunity to view fish and other aquatic resources in their natural state. Up to 100,000 visitors annually are projected for this Aquatic Education site

Key Partners: Bureau of Land Management, Wolfree, Inc., Portland area schools, Portland General Electric, Portland Water Bureau.



Underwater viewing window.

Tsalila Watershed Experience

Community Watershed Education

When: Year round Activities, Festival in September

Location: Reedsport, Oregon

Lead Forest: Siuslaw National Forest

Attendance: Approximately 6000+

Focus: Tsalila (sa-LEE-la) is a watershed education and community development program that achieves its learning objectives through hands-on restoration activities school field trips and an education based family oriented festival The festival includes educational components for all aspects of watersheds including natural history cultural history, and uses of watersheds Through the Tsalila program, people gain an appreciation of the resources present around them, along with their history and uses so that in the future they can become better stewards of the land

Key Partners: Confederated Tribes of Coos, Lower Umpqua, and Siuslaw Indians Reedsport/Winchester Bay Chamber of Commerce City of Reedsport-Umpqua Discovery Center, Reedsport School District, Bureau of Land Management



Unique watershed conditions near festival site

Wenatchee River Salmon Festival

National Award Winner

When: September

Location: Leavenworth, Washington

Lead Forest: Wenatchee National Forest

Attendance: Approximately 10,000

Focus: A four-day, community event celebrating the return of Wenatchee River chinook and sockeye salmon. The festival is aimed at both children and adults. The State of Washington Department of Education has adopted the salmon curriculum that was developed for the festival. A large Native American exhibit highlights the importance of salmon to native culture,

Key Partners: US Fish and Wildlife Service; Leavenworth, Washington Chamber of Commerce, Confederated Tribes of the Colville and Yakima Indian Nations, Bonneville Power Administration.



Web of Life Parade: kids transform into forest creatures.

US FOREST SERVICE

PACIFIC NORTHWEST REGION AQUATIC EDUCATION PROGRAMS

Visit Us: www.fs.fed.us/r6/fishing/regional

Salmon Watch

National Award Winner

When: Fall (Over 70 field trips)

Location: Portland, Oregon and vicinity

Lead Forest: Mt. Hood National Forest

Attendance: Approximately 3,400

Focus: Excellent salmon viewing field trips educate and entertain about 3,400 children annually. Topics including watershed health, the role and importance of riparian areas, and Native American culture, are explored. Field trips are combined with classroom activities and ecosystem investigation curriculum. The program spans seven National Forest units in Oregon (Mt. Hood, Siuslaw, Willamette, Rogue, Siskiyou, Deschutes and Columbia River Gorge National Scenic Area).

Key Partners: Oregon Trout, Portland General Electric.



Mentor and students study spawning salmon.

Kokanee Karnival

Aquatic Educational Events

When: Classroom Instruction field visits in the spring and fall.

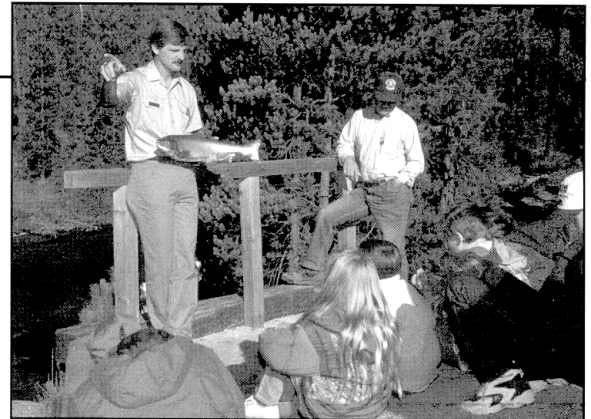
Location: Bend, Oregon

Lead Forest: Deschutes National Forest

Attendance: Approximately 1,000-2,000

Focus: Kokanee Karnival is patterned after Salmon Watch and combines field trips with classroom activities and curriculum. Students spend a day in the spring fishing and learning angling techniques. In the fall, children observe fish activity and spawning and attend stations that teach various parts of the life of a fish. Also covered is a visit to a hatchery and a station featuring many aspects of the importance of salmon to Native American culture.

Key Partners: Oregon Department of Fish and Wildlife, Central Oregon Flyfishers, Sun River Anglers, local elementary schools.



Forest Service biologists teach school children about life in streams,

Fish On!

Outdoor aquatic interpretation and education programs

When: Spring, summer and fall

Location: Naches, Washington

Lead Forest: Wenatchee National Forest

Attendance: Approximately 2000

Focus: Fish On! is a collection of aquatic education projects that build awareness and appreciation of aquatic resources and their connection with social, economic, and cultural issues. Fish On! includes efforts such as fish habitat enhancement projects, construction of interpretive signs, and protection of salmon spawning areas. Also, there is a special program that allows high school students to earn college level credit for their contributions to fish habitat restoration.

Key Partners: Naches Middle and High Schools, Washington Elder Hostels



Students analyze water quality conditions.

US FOREST SERVICE

PACIFIC NORTHWEST REGION AQUATIC EDUCATION PROGRAMS

Visit Us: www.fs.fed.us/r6/fishing/regional

Teachers in the Woods

Taking Classrooms to the Forest

When: Year-round

Location: Mt. Hood, Gifford Pinchot, Rogue River National Forests and Columbia River Gorge National Scenic Area

Focus: This program gives college-level teachers a "hands on" opportunity to monitor forest resource management and restoration activities, and to prepare analytical reports. The program also fulfills the direction from the Northwest Forest Plan to encourage citizen involvement with the management of National Forests. It gives teachers a more complete understanding of the science of resource management. The teachers are supervised by professional biologists. Teachers incorporate what they learn about the science inquiry process into new curricula for their classrooms.

Key Partners: Portland State University, National Science Foundation, and WolfTree, Inc.



Teachers monitor aquatic habitat on Clear Fork of the Sandy River.

Respect the River

Local Community River Stewardship

When: Year-round

Location: Okanogan, Wenatchee, Gifford Pinchot National Forests and Columbia River Gorge National Scenic Area

Attendance: Recreation campers and visitors along major rivers

Focus: This multi-faceted program seeks to make "River Stewards" of all river users. Using a variety of tools - community education and outreach, interpretive signs, active restoration and direct communication - increased understanding of the values and needs of riparian aquatic resources is established. Results have been gratifying. Support for sustainable management has increased and recreationalists appreciate being part of the solution.

Key Partners: Northwest Interpretive Association, Nature Conservancy, R.E.I



Campers help plan streambank restoration.

Rural Outdoor Education

Community Education Program

When: Year-round

Location: Southern Oregon Coast

Lead Forest: Siskiyou National Forest

Attendance: 1000

Focus: This program raises the level of awareness and understanding of riparian and aquatic resources and their role in the function of Southwest Oregon ecosystems. Forest Service Fisheries Biologists host a variety of field trips and classroom presentations in cooperation with local schools, watershed councils, and community volunteers.

Key Partners: Oregon Department of Fish and Wildlife, US Army Corps of Engineers, Bureau of Land Management.



Children study soils in unique forest ecosystem in SW Oregon.

Come experience the underwater world!

"Learning about streams was AWESOME!"

-Student



Visit Us At: www.fs.fed.us/r6/fishing/regional

"The U.S. Department of Agriculture (USDA) Prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc. should contact USDA's TARGET Center at 202-720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten building, 14th and Independence Avenue, SW Washington, D C 20250-9410 or call (202)720-5964 (voice or TDD). USDA is an equal opportunity provider and employer."

#R6-NR-WFW-TP-07-03

Pacific
Northwest
Region



**FISHERIES
PROGRAM**