

**NORTHCENTRAL WASHINGTON**

<b>Source/ Sponsor</b>	<b>Youth &amp; Teacher Programs</b>	<b>Audience Size Annually</b>	<b>Program Length</b>	<b>Integrated with Subjects</b>	<b>Evaluation Methods</b>	<b>Annual Costs</b>	<b>Main Expenses</b>	<b>Funding Sources By %</b>	<b>EE Value On Tests</b>	<b>Top Three Needs</b>	<b>Top Three Barriers</b>	<b>Special Features</b>
<b>Wenatchee National Forest, US Fish &amp; Wildlife Service</b>	Wenatchee River Salmon Festival. Teachers workshops Provide classroom materials used before and after Festival.	3,000 students; 84 teachers; 12,000 public	Four fall days, with hands-on activities for learning, stewardship	Math, music, art, science, geography	Pre-, post-tests Surveys of weekend participants Exit interviews	\$250,000	Curriculum materials 30% Training 10% Site O&M 10%. Equip., supplies 25% Transport 5%	Businesses 25% PUD 5% Federal sources 55% Schools 5%	Valuable (4 on 1-5 scale)	Additional staffing, secure funding, more volunteers	Federal agencies have ethical constraints on raising funds.	Since 1991. Wenatchee S.D. sends all 3 <sup>rd</sup> grade classes. 300 volunteers.
<b>Chelan County 4-H Forestry Program</b>	Middle school after-school program. Summer service learning programs. Forest ecosystems focus	After-school  Summer In 2 watersheds.	Varies – few hours per week to semester-long.	Science with field experience.	Requests for participation	N.A.		Federal grant to Washington State Univ.; Chelan County				
<b>Shrub-Steppe Program Wenatchee School District</b>	K-8 Some teacher training.		Field experience: 2 hours, all day, overnight – age-related	Applied science, art, history, geography, music		From \$800 to \$3,250, per year, linked to grade/age level.	Continuing expense: Per grade travel to field, \$800 to \$5,000.	School district, WSU,				School district commitment.
<b>Quincy School District</b>	Quincy Lakes Program, Monument Elementary School Water Festival	700+ in elementary, middle schools	Two days in field for each program	Science, art, language arts, physical educ., ecology	Teacher, student questionnaires; pre- & post-evaluations.	Approx. \$10,000; 40-60 volunteers incl. parents	School buses, speakers, food, lodging, etc.	70% state 20% federal 10% school district	Valuable (4 on scale of 1-5)	Technology, time for more development, funds	Same	Field-based Developed, organized by one teacher
<b>Tonasket High School</b>	Agriculture education incl. Future Farmers of America chapter	120 students	Four years	Science; ag-related field experiences, shop classes; communications	Classroom grades; lab discoveries; FFA & other competitions	\$15,000	Site O&M 25%; equip. supplies 40% Transport 20%	State 44% Federal 30% School 20%	Extremely valuable, 5 on 1-5 scale	Help students be productive members of society;	Encouragement from school counselors; increased emphasis on	Strong community partnerships. Students learn strong

											solve future agricultural dilemmas; inspire open minds	state tests; perceptions of vocational (applied) science classes	presentation skills. Teacher honored statewide.
<b>Omak Middle School</b>	Science classes	N.A.	N.A.	Science & technology, incl. water quality, habitat restoration	Tests, grades	N.A. Minimal	School buses, substitute teachers	Students pay for field trip buses School pays for substitutes	N.A.	Time. (Will use school pond for future studies)	N.A.	Statewide recognition for teachers. Parental, community support.	

### SOUTHCENTRAL WASHINGTON

<b>Partners for Arid Lands Stewardship (PALS) Lower Yakima Valley/ Tri-Cities</b>	Teacher institute (summer); scientists for in-class education; shrub-steppe teaching materials	25 to 40 teachers; 750+ students; incl. special education	Summer institute: 2 weeks. Classroom presentations, day field trips	Teachers choice: science, reading, language, social studies	Teaching staff creates assessments; student journals	N.A.	N.A.	N.A.	Not a school	Classroom materials Guest speakers Community interest in bringing EE into classrooms	Funding for student field trips, fewer 'real world' student experiences; facilitator for classroom presenters	PNW National Lab; 6 school districts, 2 colleges, non-profits, agencies.
<b>Benton-Franklin Health Department</b>	Water quality education for students	2,500-3,000 students; 120-150 teachers	45 min. to 1 hour	Science + field trips to river for sampling	Teachers request program	N.A.	N.A.	N.A.		N.A.	Language	
<b>Cle Elum School District</b>	Project CAT- Cougars And Teaching	950 students 55 teachers Community members, scientists	Eight-year long project Year 2 is 2002-03 school year	Biodiversity, environment integrated in all subjects; innovative technology use.	Improved WASL scores Students do authentic scientific research	\$93,000 WDFW funds primary research, data collection.	N. A. Half-time coordinator in District	Grants	Very valuable (5 on 1-5 scale)	Staff time to integrate curriculum. Funding tools, technology. To incorporate global economy/society knowledge	Student understanding of local-global links. Acquiring next generation material. Staff time.	Unique citizen science partnership w/ WDFW, community, Central Washington University

**EASTERN WASHINGTON**

<b>Palouse Cldarwater Environmental Institute</b>		1,000+ students; 40+ teachers	One hours to semester		Teacher evaluations. Student pre-, post-tests; areas restored	\$54,000	Curriculum 10%; equip., supplies 20% Staff 70%	Foundations 25% Agency grants 50% Donations 15%	5 on 1-5 scale	Credibility w/ education agencies; funding; educ opportunities for staff	Lack of recognition for EE; fund-raising time; school schedules	
<b>Colville Natl. Forest, Natl. Park Service, 40 agencies, businesses</b>	Lake Roosevelt Children's Water Festival	500-600 4 <sup>th</sup> graders + teachers from 5 counties, British Col.	Day –long program, on 2 consecutive days, plus classroom work	Mainly science	Teaching tied to State learning requirements	\$25,000 including in-kind	Curriculum materials \$5,000; Supplies, transportation \$1,000 each	Grants, community support; schools pay some transportation	N.A.	Coordinated program for NE Wash. Assured funding	School transportation budgets Instructors time limits Funding	Since 1995. Curriculum on-line: fish, water, soil, insects, bugs, forests, ecosystem
<b>Pend Oreille Conservation District</b>	Children's Water Festival; classroom presentations	3,700 mainly elementary; 35-40 teachers Serve public & private schools	2 – 6 hours	Mainly science. Festival includes art, social studies	5 <sup>th</sup> graders take pre-, post-test; teacher comments	\$25,000	Wages, travel 61% Equip, supplies 30% Transport 5%	State grants, WA Conser-vation Comm 47% each; business 5\$	4, on 1-5 scale	Stable funds. Teacher training. Equipment to loan schools	Schools lack transp. funds State-approved curriculum. Funding	Festival since 1996. New wetland site for learning. Serve Idaho, B.C.
<b>National Park Service: Lake Roosevelt National Recreation Area</b>	Lake Roosevelt Floating Classroom, Discovery Days	1,250-2,000 students; 30-50 teachers. Varies with school budgets	FC: 28 hour/ overnight high school program, 8 trips; DD: 1-day annual spring event	Science, some history and civics	Assessment exercises & classroom follow-up; teacher, older student surveys	Costs split with schools. NPS costs \$5,000 + staff salaries	Supplies, equipment 5%. Schools pay FC boat fuel, food, transportation to dock, etc.	NPS budget	5 on 1-5scale	Staff support, funds, time to develop new curricula to meet requests	Same. 12 high schools compete for 8 FC slots per year.	Highly popular programs; struggle to meet school, community requests
<b>West Valley Outdoor Learning Center West Valley S.D.</b>	Teacher training, youth field & class work, stewardship.	N.A.	Few hours to several days.	Reading, arts, math, science, writing, social studies	Assessment and test scores	\$328,000	Staff 60% O&M 19% Transport 14%	District budget, grants	N.A.	N.A.	N.A.	New center used by entire district, community.
<b>Chewelah Peaks</b>	Opens fall 2003. Dorms,	Capacity 300 per night	Overnight and longer	Tailored to user groups	N.A.	N.A.	N.A.	User fees	N.A.	N.A.	N.A.	Assn. of WA State

<b>Learning Center</b>	classrooms, trails, library, playing fields											Principals initiated this project.
<b>Turnbull National Wildlife Refuge</b>	School classes, teacher training	6,000–10,000 depending on funding	Varies: 1.5 to 4 hours	History, art, sciences, culture, math, language arts	Formal evaluation by teachers, repeat visits.	\$57,500	Curriculum materials 78% Supplies & equip. 9%	Federal funds 42% Volunteer services 48%	5, on 1-5 scale.	Permanent funding for expanded staff to avoid volunteer burnout.	Requests for services far greater than staff availability	Indoor & outdoor classrooms, trails, rich wildlife area.