

Metro Greenspaces 2000  
Salmonid Education and Enhancement Grant

FINAL REPORT  
June 30, 2001

# 921688

Submitted by  
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## **Summary of Project:**

The Environmental Information Cooperative assisted in the planning and coordination of a two day water festival on September 21 and 22, 2000. The Columbia River Watershed Festival was an outdoor environmental education event for 20 fourth and fifth-grade classes in Clark County. Participants included teachers involved in the Salmon in the Classroom Program, a salmon rearing project involving a 55-gallon classroom aquarium, teachers planning to join the Salmon in the Classroom Program, and teachers seeking creative ideas on how to integrate environmental education in their existing curricula. Classes were bused to the Water Education Resources Center in Vancouver, where they spent two quality hours at the Festival participating in two to three hands-on activities and interactive presentations. These activities provided information about fish and wildlife habitats, water quality, macroinvertebrate sampling and identification, fish species identification, fishing, groundwater flow, water conservation, water cycle and water use, and natural resource appreciation. The activities and presentations were presented by environmental educators and volunteers from local and regional public agencies, stewardship groups, businesses, and service programs.

Participating teachers and other educators were also provided the opportunity to attend a one-day "Salmon Go To School" workshop following the Festival to help them integrate the activities and concepts, learned at the Festival and the workshop, into their existing curricula. Teachers received free curriculum guides, handouts, information on local resources and were offered clock hour credit for participation in the workshop.

Teachers were also informed about, and encouraged to participate in, the third annual Watershed Congress, a collaborative effort of the City of Vancouver, Hewlett Packard and the EIC to bring together teachers, students, parents and other citizens to share water monitoring projects, techniques and stewardship activities occurring around Clark County. Teachers learned how they and their students could participate in a project to monitor streams, lakes and rivers throughout the County, as well as the Salmon in the Classroom project that places salmon rearing aquaria in classrooms.

## **Background:**

The Environmental Information Cooperative (EIC) is a shared effort of six partners to encourage environmental stewardship of our land and resources and provide environmental information and education to the community of Clark County, Washington. Partnership includes the City of Vancouver, Clark County, Clark Public Utilities, WSU Vancouver, WSU Cooperative Extension, and the SW Clean Air Agency. The EIC has been providing environmental information and education services to the citizens of Clark County for more than ten years.

With the recent listing of the wild steelhead as an endangered and threatened species under the Endangered Species Act, the EIC and its partners included raising public awareness about declining fish populations and fish habitat to their list of educational issues to address. This grant assisted the EIC with its on-going commitment to provide quality information by offering an event that educated students and teachers about issues and problems involving the ESA, fish and wildlife habitats, and natural resource conservation and protection. The Festival provided attendees with tools to help them identify healthier actions that can be taken to change their own behaviors and can contribute to a healthier environment.

Funds from the 2000-01 Greenspaces Salmonid Education and Enhancement Grant helped to support three programs sponsored or supported by the Environmental Cooperative (EIC): the Columbia River Watershed Festival, Salmon Go To School teacher training workshops and the Watershed Congress. These programs are described separately and in further detail as follows:

### **I. Columbia River Watershed Festival**

The 2000 Columbia River Watershed Festival evolved from the Salmon Creek Festival, a site specific water festival sponsored primarily by Clark Public Utilities. Although it is one of a few festivals in our community with an environmental theme, it is the only festival offered especially for elementary school children during the school year. The 2000 festival was coordinated with the City of Vancouver Water Resources Education Center to coincide with, and provide a second day of, the WA State Department of Ecology funded Project WET Festival.

The festival was an outdoor environmental education event for 20 fourth and fifth-grade classes in Clark County, Washington. Through hands-on activities and presentations, students learned about the benefits of watershed enhancement, local salmon recovery efforts and other water issues.

Participating schools included those with (a) teachers involved in the Salmon in the Classroom Program, a salmon rearing project with a 55-gallon classroom aquarium, (b) teachers planning to join the Salmon in the Classroom Program, (c) teachers participating in the fall Salmon Go to School workshops, a teacher-training program focusing on ESA and salmon recovery issues, (d) teachers seeking creative ideas on how to integrate environmental education in their existing curricula, and (e) home school groups. Classes were bused to the City of Vancouver Water Resource Education Center, where students and teachers spent two hours participating in three-to-four salmon related activities.

The activity stations were staffed by environmental educators and volunteers from local and regional public agencies, stewardship groups, businesses, and service programs. Activity stations included hands-on activities and interactive presentations about ESA and salmon recovery, fish and wildlife habitats, water quality, macroinvertebrate sampling and identification, fish species identification, fish stewardship, groundwater flow, water conservation, water cycle and water use, and natural resource appreciation.

Planning: In the months when planning would have normally been started, the Environmental Information Cooperative (EIC) experienced some staff changes with the hiring of a new Environmental Education Specialist, the resignation of its Director, and the hiring of an Interim Director. As a result of these unexpected changes, the EIC Board determined that planning and presenting a watershed festival, similar in scale to the ones presented in the past, would not be feasible given the timing of the personnel changes and the extensive and advanced planning time required. In August 2000, the EIC requested and received a modification to the scope of work approved for funding under the Metro Salmonid 1999 Grant and proposed to offer a watershed festival on a smaller scale, as the second day to a WA State Department of Ecology Project WET festival. The basic elements of the festival would remain the same as previously proposed, but the scale of the project would be reduced.

Planning for the 2000 Festival began in the summer of 2000. A revised workplan and budget were developed and a program planning committee, consisting of two staff from the City of Vancouver Water Resources Education Center (WREC) and the two staff from the EIC, met to set the program for the festival and determine festival presenters.

#### Assigned Responsibilities:

EIC staff assisted in program planning, teacher invitation and contacts and presentation of planned activities. WREC staff coordinated planning with WA State Department of Ecology Project WET staff and assisted in program planning, teacher contacts, transportation planning and presentation of planned activities. EIC partners, (City of Vancouver, Clark County, Clark Public Utilities, Southwest Clean Air Agency, WSU Cooperative Extension, and WSU Vancouver) had various roles, including:

- developing and staffing Festival activity stations;
- providing volunteers for Festival activities and operations;
- promoting the Festival;
- providing a facility and tents for the activities and workshops;
- providing handouts and resources to be distributed at the Festival and the workshops;
- helping to organize bus transportation for school classes to the Festival.
- serving as presenters/trainers for the Salmon in the Classroom workshop;
- providing office space for EIC operations; and,

Community partners provided other support including volunteers, educational materials, serving as a presenter, and miscellaneous other services for the Festival and workshops.

School districts in Clark County were requested to make both the Festival and the teacher training workshop a priority by supporting teacher participation in both events. A table representing the project and the timelines is presented in the appendix. Refer to Item # 1.

#### Promotion:

A waiting list, consisting of fourth and fifth grade teachers who were not able to attend a previous festival or who had attended other WREC events, served as the initial resource for potential participants. A second list consisting of all fourth and fifth grade teachers in Clark County schools served as a secondary resource. Because workshop planning began during summer break and the Festival was scheduled to occur within three weeks of the start of the new school year, committee members agreed that a written invitation-promotion letter should be sent to teachers, scheduled to arrive their first day back to school. (See Item # 5) This invitation would be followed up if necessary by a phone call. Within two days of receipt of the letters, the twenty available slots were filled.

Monies, received in part through this grant, were made available to schools to pay for substitute teacher reimbursement for teachers who participated in a follow-up Salmon Go To School Workshop and the Watershed Congress. Participation in the Watershed Festival and the Salmon Go To School teacher workshops were both designed to assist teachers in meeting the Washington State mandate that environmental education be integrated across the K-12 curriculum (WA Administrative Code 180-50-115).

Location/Dates: The Festival was held on Thursday, September 21 and Friday, September 22, at the City of Vancouver, Water Resources Education Center. This

location, several acres of natural, wooded grounds overlooking the Columbia River, and its adjoining wetlands, was a natural compliment for the festival that was presented.

Presenters/Volunteers: Twelve presenters from 6 participating agencies and organizations led the student activities at 6 different stations located throughout the WREC site. More than 20 volunteers were recruited to serve as class guides or chaperones, assist presenters, direct parking and oversee first-aid, check-in, and information centers. Participating agencies included:

- Clark County Conservation District (1)
- Water Resources Education Center (4)
- Clark County Solid Waste (1)
- Environmental Information Cooperative (2)
- WA State Dept. of Fish and Wildlife (1)
- WA State Dept. of Ecology (1)
- Northwest Service Academy, Americorp (2)
- Two retired science teachers (2)

Audience Served: The Festival was directed at students and teachers in fourth and fifth-grade classes in Clark County schools. A total of 559 students (175- 4<sup>th</sup>, 384 - 5<sup>th</sup>) from 20 different schools participated. A total of 20 teachers (6 - 4<sup>th</sup>, 14 - 5<sup>th</sup>), 93 parents and chaperones, and 21 volunteers also participated. Teacher participants included 1) teachers involved in the Salmon in the Classroom Program, a salmon rearing project involving a 55-gallon classroom aquarium, 2) teachers planning to join the Salmon in the Classroom program, and 3) teachers seeking creative ideas on how to integrate environmental education in their existing curricula.

The Program: Classes were bused to the Water Resource Education Center according to a prescribed schedule that staggered arrival times. Each class spent a two-hour period of time participating in 2 to 3 different activities. Each activity station was developed and staffed by volunteer educators from local and public agencies, stewardship groups, businesses and service programs.

Stations included hands-on activities and interactive presentations about fish and wildlife habitats, water quality, macroinvertebrate sampling and identification, fish species identification, fishing, groundwater flow, water conservation, water cycle and water use, and natural resource appreciation. Specifically:

- Groundwater Protection, Groundwater and EnviroScape Models
- The Water Cycle, Follow that Water and Incredible Journey
- A Wetlands Tour
- Salmon Life Cycle Game
- Salmon Calendar
- Bottled Water Verses City Water
- Spring Activity
- Salmon Trunk

Volunteers helped set up tents, tables and chairs, directed traffic and parking, staffed the information station and greeted classes, provided refreshments, assisted presenters, and served as class guides.

**Evaluation:** The immediate success of the Festival was measured by the enthusiastic response to participate on such short notice, the number of classes, teachers, and students who attended the Festival, how many community partners participated in the Festival, and the feedback received from the festival evaluations distributed to all participants. The future success of this program will be evidenced by the increased support and results that enhanced watershed protection and salmon recovery efforts receive in Clark County.

***Evaluation Form Responses:*** All teachers were provided with an evaluation form and asked to evaluate the Festival. Twelve evaluations, out of twenty distributed, were returned, and all included comments, in addition to the “Less Than Satisfactory” to “Better than Satisfactory” range of responses requested. Two classrooms also responded with letters and/or pictures. A compilation of the evaluations received by attendees at the Festival is provided in the appendix. See Item # 2.

**Identified Challenges:** One identified challenge of the festival is the economy of cost of a bus ride for a two-hour experience. EIC staff and partners have looked at different options for the Festival that might better utilize time and/or funds, including transporting more than one school on a bus by grouping close-proximity schools to arrive in the same time frame.

Another challenge has been to continue to provide meaningful activities. Festival planners also compared evaluations between the past two or three years. One clear message, from both presenters and teachers, was that the increased time allowed at each station during the 2000 Festival (50 minutes versus 30 at past festivals), although reducing the number of activities/classroom from 3 or 4 to 2 or 3, allowed for more substance to be presented. Presenters did not feel as rushed and students and teachers had time to digest the information and participate in meaningful dialogue at the end of the presentations. Future planning will include this new model.

Another challenge has been a lack of substitutes in the school districts where teachers can be conscripted to teach even if they have previously scheduled professional development time. This was an issue for some teachers who had planned on attending the Salmon Go To School workshops. EIC partners have identified the need to gain continued support for the festival from local school district boards and science coordinators as a primary goal for future year's planning.

## **II. Salmon Go To School Workshop**

**Background:** The Salmon Go To School teacher training was developed in response to teachers' requests for ways to integrate their classroom salmon tanks into broader curricula and community salmon issues. Teachers were also struggling with troubleshooting the maintenance of their fish and aquarium. Additional training could provide them with this much needed information.

**Objectives:** The objectives of this workshop were multi-fold:

1. To provide classroom teachers participating in the Columbia River Watershed Festival and/or Salmon in the Classroom aquarium program with the tools to integrate festival and other watershed activities into the classroom.
2. To provide teachers access to local endangered species experts and other resources about why salmon recovery is a community-wide issue.

Location/Dates: Teachers were offered the opportunity to attend a workshop on one of two dates - Thursday, October 5 or Saturday, October 7 at the Water Resources Education Center in Vancouver with a tour of the Columbia Springs Environmental Education Center

The Program: EIC staff coordinated the planning of the seven hour "Salmon Go to School." Workshops, with teaching assistance provided by staff at the Water Resources Education Center. Seven guest panelists from six agencies discussed community salmon issues. The agencies that provided the workshop and panel discussions and information for teachers to assist them with the goal of integrating salmon and fish recovery issues, concepts and activities with their existing curriculum included:

- Environmental Information Coop
- City of Vancouver, Water Resources Education Center
- City of Vancouver, ESA
- Columbia Springs Environmental Education Center
- WA Dept. of Fish & Wildlife
- Evergreen Fishery Park
- City of Vancouver ESA
- Columbia River Intertribal Fish Commission
- Salmon in the Classroom: A program of Clark Public Utilities and AmeriCorps
- Watershed Stewards: a volunteer program of Clark County & WSU Coop. Extension

The workshop provided an introduction to activities from the Columbia River Watershed Festival and hands-on instruction in activities from various curricula such as Project WET, Aquatic Project WILD, Salmon in the Classroom. Teachers received free curriculum guides, handouts, and information on local resources. They were also offered clock hour credits for the workshop. Panel topics included the Endangered Species Act and listings, fish hatchery operations, hydropower production and dam operations, local activist interests, local fish recovery and habitat restoration efforts, restoration project development, and why salmon recovery is a community issue. The balance of the afternoon was dedicated to sessions on aquarium and equipment maintenance and a tour of the Evergreen Fish Hatchery and Columbia Springs Environmental Education Center.

The teamwork and expertise of all those involved made each of these workshops a success. Clark Public Utilities provided 30 of the newly published Salmon in the Classroom curriculum, "A Hero's Journey." Washington Department of Fish and Wildlife also provided training in the use of their Salmon Trunk, which is now at the EIC and available for check-out to educators in Clark, Cowlitz, Lewis and Skamania counties.

Evaluation: Twenty-three educators (15 on 10/5, 8 on 10/7) attended the workshops and provided feed-back through evaluations at the end of the workshop. Positive evaluations were received from teachers regarding the content, activities and the valuable resources about salmon, habitat, and other water issues.

Participants who evaluated the workshop wrote:

"Well done! Great for our FOSS and Washington Studies! Thank you! I am looking forward to raising fish!"

"Excellent presenters and materials. Extremely useful information. Totally applicable for an elementary classroom."



"Thanks for the wonderful connections, especially, *A Hero's Journey*, looking forward to using it.

"Lots of useable material and new info."

A copy of the workshop syllabus can be found in the appendix of this report, Item #3.

### **Watershed Congress:**

Location/Date: The Watershed Congress was held on Saturday, April 15, 2000, 9am - 1pm at the WREC in Vancouver.

The Program: This project was the culmination of a year-long effort by volunteer monitors in Clark County, supported by the Water Quality and Habitat Monitoring Program of the WREC, that facilitates communication of their findings to local governments, state agencies and each other. Volunteers enrolled in the program collect information on changing habitat conditions in open spaces of Clark County and this Watershed Congress provides the opportunity to make it widely available to all audiences.

Objectives:

- Report and share data and resolve problems encountered during monitoring.
- Build upon the existing monitoring network in Clark County by training teachers, students and other volunteers to collect water quality and wildlife data from a surface water site in Clark County and submit data to a centralized statewide database developed and maintained by the WA Department of Ecology and University of Washington.

Sponsors/Coordinators: The following agencies/organizations provided the program planning, training and support for teachers, students and citizens to enable them to learn appropriate monitoring and reporting techniques to provide meaningful "snapshot" and long term pictures of water and wildlife resources included:

- City of Vancouver Water Resources Education Center
- Northwest Ecological Research Institute
- Environmental Information Cooperative
- Clark County Environmental Services
- ESD #112, H.E.E.L.P.
- Hewlett Packard
- Habitat Partners
- Sierra Club

An outline of the monitoring program can be found in the appendix of this report, Item #4.

### **Conclusion and Advice for Other Project Managers:**

Based on the reports and experience provided by the EIC staff, its partners, and all those who participated in the 2000 Columbia River Watershed Festival and the Salmon Go To School teacher training workshops, both of these events proved to be a great success. Both the Festival and the workshops required considerable time and commitment on the part of all those who provided the planning and coordination.

It was the consensus of those planning, presenting and attending this year's Watershed Festival, that quality should supercede quantity when it comes to the activities and presentations available for students and teachers. Future festivals will offer activities that will allow more quality time for presenters and attendees to interact.

The Watershed Congress was also a great success in that it allowed for additional, new information to be reported to the statewide database and also provided new teachers, students and citizens an opportunity to learn how to become active participants in this on-going, expanding monitoring program.

Additional information may also be available in the records of staff at the Environmental Information Cooperative. Staff, and EIC partners who worked on this event, can be reached through the EIC at (360) 546-9509 or 546-9510.

**SALMONID EDUCATION & ENHANCEMENT GRANTS  
WORK PLAN AND SCHEDULE (REVISED) - Item # 1**

<b>TASK</b>	<b>Completion Date</b>
Meeting with WREC to determine possibility of holding a jointly sponsored event with Project WET	07/00
Contact Metro for approval of revised scope of work	08/00
Compile list of participants for 2000 Festival planning	08/00
Determine festival activities, contact and confirm presenters.	08/00
Coordinate activities with Project WET, order materials for Festival	08/00
Determine presenter schedules for Festival	08/00 mid
Develop database for Festival & Workshop	08/00 late
Contact and invite teachers	09/00 - early
Coordinate and confirm transportation to Festival	09/00 - early
Follow-up confirmation with teachers	09/00 - early
Determine class schedules for Festival	09/00 mid
Mail schedules to participants	09/00 - early
Confer with presenters about station needs	08/00 - 9/00
Determine layout of Festival area	09/00 early
Confirm teachers, classes, & buses	09/00 early
Prepare Festival materials (maps, schedules, fact sheets)	09/00 mid
Prepare teacher packets	09/00 mid
Hold 2000 Columbia River Watershed/Project WET Festival	9/21, 22
Collect & review Festival evaluations	09/00 -11/00
Begin planning Salmon Go To School workshop	07/00
Determine Workshop goals & objectives	07/00
Determine Workshop agenda & possible presenters	07/00 mid
Recruit presenters & volunteers for Workshop	09/00
Confirm Workshop presenters & volunteers	7/00 - 9/00
Submit clock hour application to ESD 112 for Workshop	10/00 late
Meet with Workshop sponsors & presenters	10/00 early
Finalize Workshop plans	10/00
Hold Salmon Go To School workshop	10/18/00
Review Workshop evaluations	11/00
Reimburse districts for substitute teachers	12/00-06/01
Recruit teachers, students, & projects for Watershed Congress	03/01-04/01
Hold Watershed Congress	4/15/01
Prepare grant report	5/30 - 6/30/01
Projects Completed	06/01/00

# MAKE A SPLASH! 2000

## Evaluation Form

### Thursday and Friday, September 21-22



**Thank you** for participating in Project Wet 2000! We hope that you and your class had a wonderful time. Please take a few minutes to complete this evaluation. Return it to your class guide at the end of your session, or mail or fax to: Environmental Information Cooperative, WSU Vancouver Library, 14204 NE Salmon Creek Avenue, Vancouver, WA 98686; FAX (360) 546-9039.

Questions	Less than Satisfactory	Satisfactory	Better than Satisfactory
1. Did you have a good time?			
2. Do you think your students had a good time?			
3. Was this a quality educational experience for you?			
4. Do you think this was a quality educational experience for your students?			
5. Were we well organized?			
6. Did you like the layout of the activities?			
7. Was our staff friendly & helpful?			
8. Was your class guide friendly & helpful?			
9. Were your presenters effective?			

10. What did you like best about the event?

11. What did you like least about the event?

12. Do you have suggestions for improvement? Please explain.

Teacher: \_\_\_\_\_ School: \_\_\_\_\_

Add me to the *Greenlines* teacher newsletter:  YES  NO

2000 Project WET/Columbia River Watershed Festival  
Evaluation Form Responses

Question	↓ than Sat	Sat	↑ than Sat
1. Did you have a good time?			12
2. Did you think your students had had a good time?			12
3. Was this a quality educational experience for you?			12
4. Do you think this was a quality educational experience for your students?			12
5. Were we well organized?			12
6. Did you like the layout of the activities?		1	11
7. Was our staff helpful and friendly?			12
8. Was your class guide friendly and helpful?			12
9. Were your presenters effective?			12

Questions requiring a written response:

10. What did you like best about the Festival?

- The activities. Goodies as we returned to the bus.
- Hands-on activities and experiments
- The activities (Groundwater and Salmon Game) were very inter-active
- The variety of our 2 activities
- Hands-on activities. They got to "do" things!
- Very appropriate content for 5<sup>th</sup> graders who had a significant introduction to water in 4<sup>th</sup> grade.
- The fact there were hands-on activities.
- The presenters were well skilled @ working with kids - keeping them engaged, they really learned a lot. The books and materials [provided when teachers returned to the bus] were great also!
- Student involvement, it was great!
- The wonderful interaction of the children with the information provided ☺
- The Salmon game was "tight" (4<sup>th</sup> grade for cool)

11. What did you like least about the Festival?

- All was perfect!
- We didn't get to hike down to the wetland area.
- Nothing! We wish we could have done more activities.
- Being outside where it was cold and windy. It was hard to hear.
- Nothing - Great day! (X2)

- I think my students would have liked to have had one event inside, rather than both outside.
- speakers in the tent easily lost the kids attention.
- Back and forth walking
- Some of our classes got a C-tran presentation and our kids don't ride the bus out here. It was so primary and did not apply to them at all.
- Nothing! (X3)

12. Do you have suggestions for improvement? Please explain.

- None - It was fantastic!
- No, great job.
- You could send a pre-packet with vocabulary, etc. to teachers prior to the trip.

**MONITOR A NEIGHBORING STREAM, LAKE OR WETLANDS  
JOIN OTHER CLARK COUNTY CLASSES TESTING LOCAL WATERS!**

**What will my students do?**

1. **Collect “real” water quality and habitat data from a waterbody of your choice.**  
For first time participants, we will train you and your students to take water measurements such as, stream flow, water temperature, pH, turbidity, dissolved oxygen in the field. Building on these skills, we will teach you to collect and identify aquatic invertebrates. Additional training will be available for testing nitrates, phosphates and fecal coliform and for calculating a water quality index for your site.  
We will also introduce you to “NatureMapping,” a valuable wildlife monitoring technique for volunteers.
2. **Submit these data to an interactive statewide database available online**  
For the first time, this year you can use an interactive website, ([www.fish.washington.edu/naturemapping/water/index](http://www.fish.washington.edu/naturemapping/water/index)) maintained by the University of Washington, to submit your data and view other state-wide monitoring sites. This site puts all volunteer monitoring information on its own GIS layer for access.  
The City of Vancouver also has a website ([ci.vancouver.wa.us](http://ci.vancouver.wa.us)) on which you can find out who else is participating in Clark County and what data they have been collecting.
3. **Share their findings at the 3rd annual Watershed Congress on April 18, 2001**  
We request 4 to 6 students from each participating class to attend the Congress. Here they will share data, learn how others solved similar problems, connect with community representatives, such as local scientists and journalists and have fun.

**Who can participate and what is the cost?**

Any school or group in Clark County. Participants include elementary, middle, high school and college students. The program, including NatureMapping teacher training is free.

**What can you expect from us?**

- ◆ Student and teacher training in water quality testing
- ◆ Loan of some equipment
- ◆ Training in identifying reptiles and amphibians
- ◆ No-cost teacher training in NatureMapping techniques (winter, 2001)
- ◆ School year-long program support
- ◆ Networking opportunities with schools up and downstream and throughout the watershed
- ◆ Student connection with the community
- ◆ Program connection to EALRS

**What do we ask from you?**

- ◆ After training, monitor at least 2X during the school year
- ◆ Participate in the April 18, 2001 Watershed Congress at the Water Center
- ◆ Submit your data
- ◆ End-of-year evaluation

**How do I start?**

Call or e mail Bill Feddeler at 573-2625, [MeWaterFed@aol.com](mailto:MeWaterFed@aol.com) or Cory Samia, Water Resources Education Center, 696-8478, [cory.samia@ci.vancouver.wa.us](mailto:cory.samia@ci.vancouver.wa.us)

**Who are program sponsors?**

This program is sponsored by the Water Resources Education Center, City of Vancouver, Metro Parks and Greenspaces and Hewlett-Packard. The statewide data bank is sponsored by the University of Washington, Naturemapping, Washington Dept of Ecology and Washington Dept of Fish and Wildlife.

**SALMON GO TO SCHOOL**  
**Water Resources Education Center**  
**Columbia Springs Environmental Education Center**  
**Saturday, October 7, 2000**  
**8:00 a.m. – 3:30 p.m.**

**Description**

The *Salmon Go to School* workshop is an opportunity to gain expertise in the essential components of healthy salmon habitat and use that knowledge to teach science, social studies, reading, writing, communication, math and art with themes that will protect, restore and enhance salmon habitat near schools and neighborhoods.

**Course objectives**

- Understand the salmon lifecycle and components of habitat essential to salmon health,
- Become familiar with the *Salmon in the Classroom* curriculum, *Salmon Trunk* teaching kit and other resources that will help students meet Essential Academic Learning Requirements.
- Identify people and organizations in the local community whose work with schools, governments and residents positively affect salmon.
- Know how to maintain salmon-rearing aquarium and equipment.
- Use salmon as a theme to meet environmental education integration and essential academic learning requirements.

8:00 Check In & Refreshments  
CLASSROOM

8:15 Welcome and Introductions - Beverly Walker, Water Resources Education Center

8:30 Salmon Trunk – Jill Alm, Salmon in the Classroom Coordinator  
THEATRE

9:20 Break Out Sessions

- *Salmon in the Classroom* Fish Anatomy Activity – Anne Stabile, Curriculum Developer  
CLASSROOM
- Restoring a Stream or Riparian Habitat with Native Plants - Jim Comrada, Watershed Stewards and Beverly Walker, Water Resources Education Center  
EXHIBIT FLOOR

10:05 Group Activity: Earnie Invertebrate and the Macros – Susan Duncan, Environmental Information Cooperative  
CLASSROOM

10:10 Break Out Sessions (repeat)

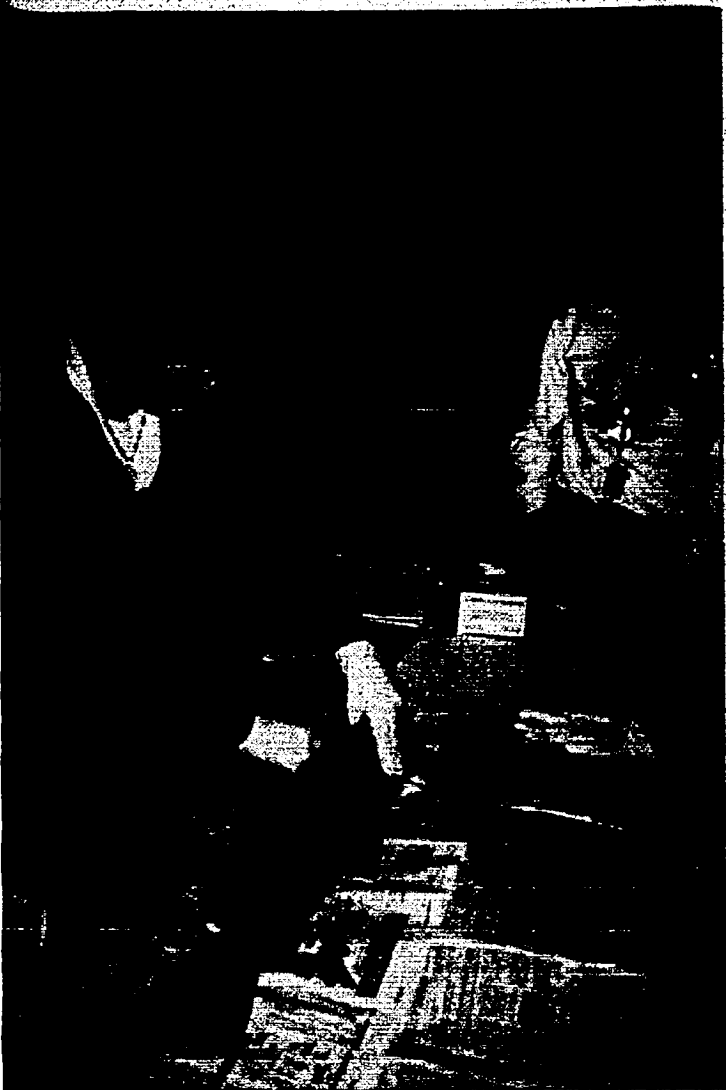
- *Salmon in the Classroom* Fish Anatomy Activity – Anne Stabile, Curriculum Developer  
CLASSROOM
- Restoring a Stream or Riparian Habitat with Native Plants - Jim Comrada, Watershed Stewards and Susan Duncan, Environmental Information Cooperative  
EXHIBIT HALL

10:50 Break



The Environmental Cooperative (EIC) is a cooperative effort of the City of Vancouver, Clark County, Clark Public Utilities, Southwest Clean Air Agency, WSU Cooperative Extension and WSU Vancouver.





SALMON GO TO SCHOOL  
TEACHER WORKSHOP



WATERSHED FESTIVAL



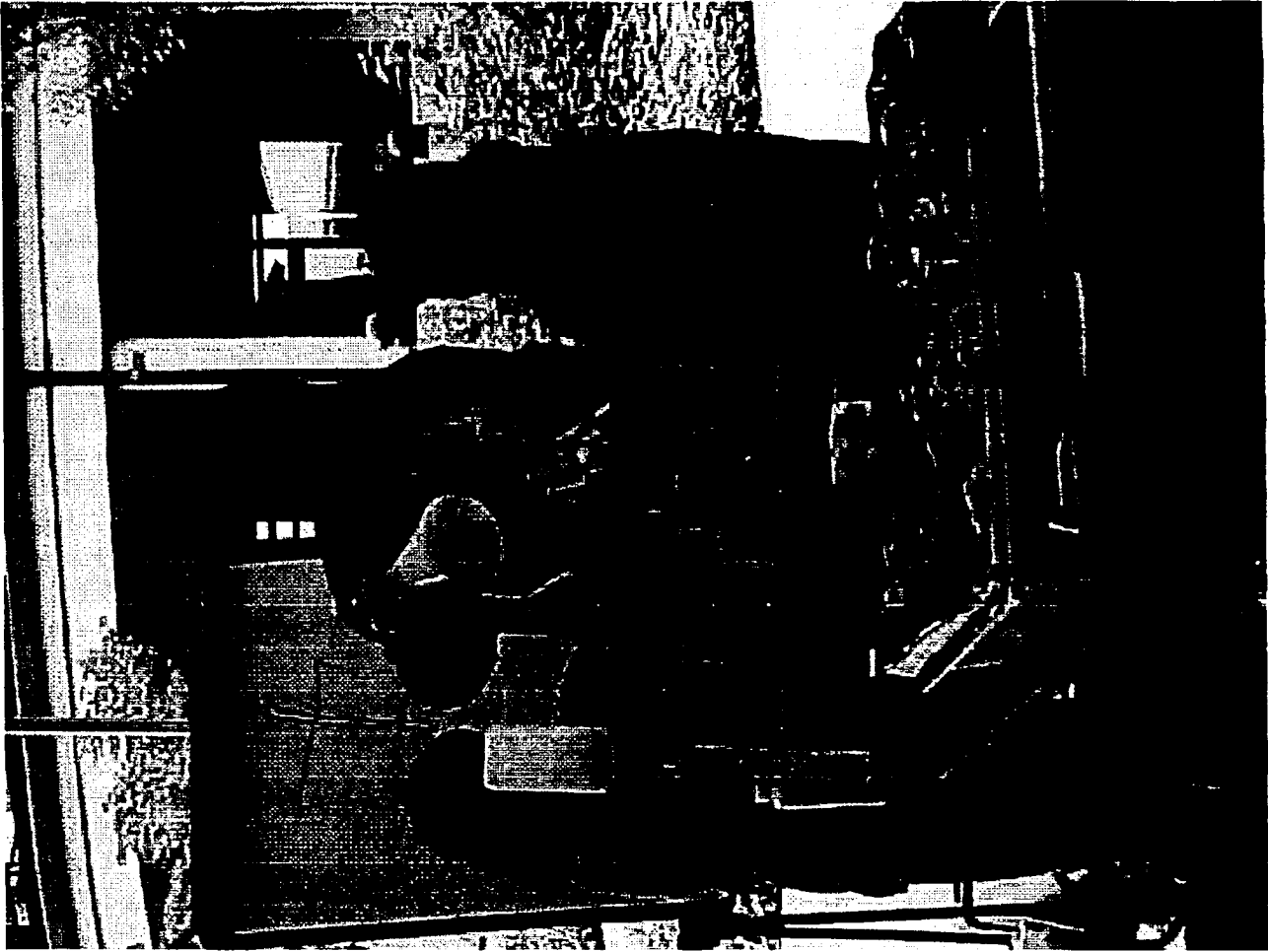
WATERSHED FESTIVAL



WATERSHED FESTIVAL



WATERSHED  
FESTIVAL



WATERSHED FESTIVAL