

## 2009 Storming the Sound Conference A One-Day Conference on Environmental and Sustainability Education


Theme: *“Restoring Puget Sound:  
Taking Action through Education, Outreach and Service”*



**Conference Program**  
April 3, 2009: 9:00AM-3:30PM  
Chief Sealth High School  
5950 Delridge Way SW, Seattle, WA



April 2009

 printed on recycled paper

## Conference Sessions- At -A Glance

9:00	Welcome Address					
9:15-9:45	Key Note Address (Cafeteria)					
Time	Room 167	Room 168	Room 169	Room 176	Room : 178	Library
10:00-11:00	<b>WA Waters - Ours to Protect Campaign</b> <i>Sandy Howard</i> , WA Dept. of Ecology	<b>Service-Learning Eco-Fundraisers: ITSCOOL and Puget Sound Energy</b> <i>Andrew Varyu</i> , Puget Sound Energy	<b>Update from OSPI Environmental &amp; Sustainability Education Program</b> <i>Gilda Wheeler</i> , Office of Superintendent of Public Instruction	<b>Boats Afloat for Puget Sound</b> <i>Brian Larsen</i> Stafki, Sound Experience; <i>Amy Sprenger</i> , Ocean Inquiry Project; <i>Kristen Washer</i> , Salish Sea Expeditions	<b>REYS: A Model for Incorporating Environmental Education into Community-based Habitat Restoration</b> <i>Cara Ianni</i> , Stilly-Snohomish Fisheries Enhancement Task Force	<b>WA Green Schools Starts This Fall!</b> <i>Marcia Rustan</i> , Seattle Public Utilities
11:15-11:45	Plenary: <i>Julia Parrish</i> (Cafeteria)					
11:45-12:00	Plenary: Building an Online Ocean Learning Community (Cafeteria)					
12:00-1:00	Lunch/Poster Session (Cafeteria)					
1:00-2:00	<b>Working together to save Puget Sound</b> <i>Kristen Cooley</i> , Puget Sound Partnership	<b>Wastewater Treatment- a healthy Puget Sound starts with our drains and toilets</b> <i>Casey Plank</i> , King County Wastewater Treatment Division	<b>E3 Network Design Session</b> <i>Joshua Berger</i> , EEAW	<b>Toxics in Puget Sound</b> <i>Heather Trim</i> , People For Puget Sound	<b>Invasive Species Information that will grow on you!</b> <i>Dana Coggon</i> , WA Invasive Species Council	
2:15-3:15	<b>Getting Started with Program Evaluation</b> <i>Chuck Lennox</i> , Cascade Interpretive Consulting LLC	<b>Sound Citizen and the Spices of Puget Sound</b> <i>Brittany Kimball</i> , Sound Citizen program coordinator	<b>Enhanced Public Participation Projects: Environmental Justice and Youth Leadership</b> <i>Cari Simson</i> , DRCC	<b>Natural Connections: a model program for leading inquiry-based field studies</b> <i>Eva Foster</i> , Olympic Park Institute	<b>Nature Mapping for Beaches: Stewardship through Citizen Science for Puget Sound</b> <i>Nicole Ricketts</i> , WA Dept of Fish and Wildlife	<b>Engaging University Students in Environmental and Sustainability Education</b> <i>Francesca Lo</i> , University of Washington
3:15-3:30	Plenary: E3 Update - Plenary Session with Josh Berger (Cafeteria)					
3:30-3:45	Reflection/Closing					

## Registration

8:30

## Welcome Address

(Cafeteria)

9:00

## Keynote Address:

Presented by *Kathy Fletcher*,  
Executive Director,  
People For Puget Sound

9:15 - 9:45

“Restoring Puget Sound:  
Taking Action through Education,  
Outreach and Service”

There is a role for everybody in saving Puget Sound and by working together we can achieve this goal. Think about how your decisions as a consumer, homeowner, traveler, parent, student or voter affect the Sound specifically and the environment more broadly. Motivated consumers can change a market, educated homeowners can save a beach, and voters can elect Puget Sound champions.

Kathy will share her perspective on what's needed to achieve a healthy Puget Sound, focusing on the key role of educators in facilitating citizens and students to take action.

## Breakout Session I

10:00 - 11:00

### 1a. WA Waters - Ours to Protect Campaign (Room 167)

Learn about the Department of Ecology's new online education campaign to help people learn about and change personal behaviors that pollute Puget Sound. Most people want to do the right thing; they just need to know what it is. The campaign uses community-based, social marketing tools that help remove barriers, making it easy for people to develop habits that foster clean water. See it at: [http://www.ecy.wa.gov/washington\\_waters/](http://www.ecy.wa.gov/washington_waters/)  
*Sandy Howard, WA Department of Ecology*

### 1b. Service-Learning Eco-Fundraisers: ITSCOOL and Puget Sound Energy (Room 168)

Building on successful grassroots models springing up around the country, Puget Sound Energy has partnered with WA Nonprofit ITSCOOL to sponsor service-learning fundraisers that educate youth and communities about climate change and distribute energy-saving technology like CFLs to reduce our region's carbon dioxide emissions. Come learn about this unique awareness-to-action opportunity that also raises money for your classes and groups!

*Andrew Varyu, Puget Sound Energy*

### 1c. Update from Office of Superintendent of Public Instruction (OSPI) Environmental & Sustainability Education Program (Room 169)

OSPI program staff will provide an update on new and ongoing programs and initiatives in Environmental and Sustainability Education (ESE). Included will be the new draft ESE standards, a new CTE course in Sustainable Design and Technology, the Sustainable Design Project, and a new ESE teacher endorsement. Participants will have an opportunity to provide feedback on these new programs.

*Gilda Wheeler, Office of Superintendent of Public Instruction*

### 1d. Boats Afloat for Puget Sound (Room 176)

A panel discussion involving 3-4 programs run from boats (motor and sailing) involving youth and community on Puget Sound. Programs include; Sound Experience aboard the Adventuress, Salish Sea Expeditions aboard the Carlyn, Ocean Inquiry Project. Panel members will introduce their unique programs and platforms, be involved in a facilitated discussion and answer questions from the audience. This is an opportunity to learn more about these programs, discover new hands-on education opportunities for teachers, and find best practices for similar organizations.

*Brian Larsen Stafki, Sound Experience*

### 1e. REYS: A Model for Incorporating Environmental Education into Community-based Habitat Restoration (178)

“Restoration Ecology for Young Stewards,” or REYS, is an inquiry- and project-based curriculum that promotes stewardship by

integrating restoration with environmental education. REYS models an authentic partnership between nonprofits, government, and schools. We will outline the methods used, including demonstrations and hands-on opportunities. REYS draws links between human actions and impacts on Puget Sound watersheds, and teaches students to think critically about challenges in salmon conservation.

*Cara Ianni, Stilly-Snohomish Fisheries Enhancement Task Force*

### 1f. Washington Green Schools Starts This Fall! (Library)

The new Washington Green Schools program launches this fall for all schools in the state! Come here about the results from the test project, see the web and program work, and discuss how it may benefit your audience.

*Marcia Rutan, Seattle Public Utilities*

## Plenary with Julia Parish (Cafeteria)

11:15 - 11:45

### Can Citizens Do Science?

#### Making a Difference, Age 9 to 90.

With marine species and habitats in danger throughout the Sound, most people feel powerless to make a difference. How can “the rest of us” participate in the decision-process?

Citizen Science is a grass-roots movement aimed at putting citizens and scientists together to create a rigorous and highly credible web of knowledge about our natural resources. Join Julia for an overview of citizen science making a difference in Puget Sound, and find out how you can get involved.

## Plenary session: Building an Online Ocean Learning Community

(Cafeteria)

11:45 - 12:00

Learn about Centers for Ocean Science Education Excellence's (COSEE) new website designed to be a networking tool for ocean and marine scientists, members of marine volunteer organizations, educators, and citizens. The website includes ways for users to meet, share information and resources, learn about current research and be better connected around the ocean and Puget Sound.

*Susan Bullerdick, COSEE-Ocean Learning Communities*

## Lunch/Poster Session

(Cafeteria)

12:00 - 1:00

## Breakout Session II

1:00 - 2:00

### 2a. Working together to save Puget Sound (Room 167)

This presentation explains the plan for education and outreach providers in saving Puget Sound and restoring its health for future generations. There are opportunities for all to be involved in effective and significant ways. How will we work together to rise above the priorities and agendas of any one person or organization and become strategic and coordinated about shifting the balance of health for the entire Puget Sound in a positive direction? It won't be easy but it is possible.

*Kristen Cooley, Puget Sound Partnership*

### 2b. Wastewater Treatment- a healthy Puget Sound starts with our drains and toilets (Room 168)

How do each of us affect the cycle of clean water? Learn more about how wastewater treatment protects Puget Sound from the water we use every day. Session will look at water use and household pollutants with a focus on the importance of controlling pollutants at the source and water conservation. Session will include presentation, process samples, examples of resource recovery projects, information for teachers about classroom/curriculum topics and field trips. Session will be facilitated in an interactive question and answer format. Audience: anyone interested in learning more about what happens after you 'brush and flush'

*Casey Plank, King County Wastewater Treatment Division*

### 2c. Education- Environment - Economy (E3) Network Design Session (Room 169)

In 2007 Environmental Education Association of Washington (EEAW) created an online searchable directory, the E3 Resource Center. In the first half of 2009 this tool and the E3 website will be updated into a state-of-the-art integrated set of online tools. The will be a high-end site that: 1) incorporates a new look and feel based on the state E3 Washington plan and print marketing materials; and 2) facilitates dissemination, discovery and collaboration among network participants by providing opportunities for all to implement plans, publish, browse, search and edit a variety of resources relating to environmental and sustainability education resources/initiatives and the E3 plan implementation. Come see early designs and discuss the project as it unfolds.

*Joshua Berger, EEAW*

## 2d. Toxics in Puget Sound (Room 176)

This workshop covers the topic of the important toxic chemicals that impact Puget Sound and the connection of these chemicals to human health. This is an interactive workshop with activities and games, and we provide fully referenced information sheets on all the topics including:

- ◆ How toxic chemicals affect you and Puget Sound
- ◆ The top toxic chemicals and where they come from
- ◆ How to help prevent toxic overload to Puget Sound and yourself
- ◆ Tips on communicating this information to others

*Heather Trim, People For Puget Sound*

## 2e. Invasive Species Information that will grow on you! ( Library)

Come find out how the WA Invasive Species Council is working to cross pollinate and disseminate Invasive Species information throughout the State. In 2007 the WA Invasive Species Council was developed to help agencies and citizens coordinate efforts to slow the spread of invasive species. Come find out what they are working on and how you can incorporate invasive species information into your programs. Make sure to take seeds of knowledge home with you while learning how to prevent a pest.

*Dana Coggon, WA Invasive Species Council*

## Break

2:00 - 2:15

## Breakout Session III

2:15 - 3:15

### 3a. Getting Started with Program Evaluation (Room 167)

Would you like to know more about what your program participants, students, teachers or clients think about or learn from your programs? This session targets – Education and outreach providers that would like to evaluate programs but do not know where or how to begin. This session is designed to showcase resources that are available for developing simple assessment tools. Participants will be able to:

- ◆ Understand how a Logic Model might be used at their site or location. Logic models will be explained and discussed as a means for focusing and organizing an evaluation
- ◆ Develop a simple “back-of-the-envelope” evaluation plan to implement back home

Participants should come with a particular program in mind that they would like to evaluate. *Space is limited to the first 20 participants to sign up upon arrival at the conference.*

*Chuck Lennox, Cascade Interpretive Consulting LLC*

### 3b. SoundCitizen and the Spices of Puget Sound (Room 168)

Join SoundCitizen to learn about spices in Puget Sound. Spices are organic chemicals found in nature and produced on industrial scales for use as flavoring agents in numerous products. A significant fraction of these compounds pass through sewage treatment processes and are present in Puget Sound. Our program, SoundCitizen, is a volunteer network of citizen scientist and encourages the collection of water samples from all around

the Puget Sound basin. By creating awareness and generating interest in environmental issues, we are developing a base of citizens actively involved in the health of their local environment.

*Brittany Kimball, SoundCitizen*

### **3c. Enhanced Public Participation Projects near an Urban Superfund Site - Environmental Justice and Youth Leadership (Room 169)**

Learn about outstanding Seattle models of youth and adult involvement and leadership in environmental justice and river restoration. Environmental justice youth program coordinators provide an innovative after-school program for youth, empowering students while increasing their understanding of the social context embedded in environmental justice issues. Learn about Duwamish River Cleanup Coalition's outreach and education activities that include neighborhood stewardship events, developing a 'future vision' of the river valley, and leading a 12-week environmental justice youth corps.

*Cari Simson, Duwamish River Cleanup Coalition*

### **3d. Natural Connections: a model program for leading inquiry-based field studies (Room 176)**

Using a local middle school as a model, this program highlights classroom and school yard lessons that prepare students for a multi-day inquiry-based field investigation. This session includes program implementation and provides free curriculum. Best practices for facilitating open inquiry and supporting the selection and pursuit of a testable question will be discussed.

*Eva Foster, Olympic Park Institute*

### **3e. NatureMapping for Beaches: Stewardship through Citizen Science for Puget Sound (178)**

Participants will discover how to engage citizens of all ages to explore the beaches and waters of Puget Sound and make a difference! The WA Department of Fish and Wildlife will pilot two new initiatives this year including the NatureMapping Beach Monitoring Protocols and the Puget Sound Marine Dive Map. Through recreation and exploration, citizens can inventory the species of Puget Sound in order to contribute meaningful data to the NatureMapping statewide database. This session will address how students, adult volunteers, and families can get involved to protect the diverse species and habitats that make-up our majestic Puget Sound!

*Nicole Ricketts, WA Dept of Fish and Wildlife*

### **3f. Engaging University Students in Environmental and Sustainability Education (Library)**

This session will highlight the University of Washington Pipeline Project's service-learning initiatives in connecting undergraduate students to environmental and sustainability education opportunities. Two programs in specific will be featured: Pipeline's Environmental Alternative Spring Break (ASB) and Pipeline's Environmental Education seminar. This highly interactive workshop will share the lessons learned in creating these service-learning experiences and provide handouts covering seminar curriculum, as well as ASB program materials.

*Francesca Lo, University of Washington*

## E3 Update: Plenary Session with Josh Berger

(Cafeteria)

3:15 - 3:25

### E3 Washington

Education-Environment-Economy for all, is making steady progress to define and catalyze a system of education that will support healthy, prosperous people, communities and economies; “a new system of education for a new world”. Come find out why author Frances Moore Lappe says “E3 Washington is “the rare intersection between ecological awareness and a living democracy” and share your ideas.  
*Joshua Berger, EEA*

## Reflection/Closing

3:25 - 3:30

## Storming the Sound Planning Committee

- ◆ *Ann Butler*, People for Puget Sound
- ◆ *Justine Aschombom*, Department of Ecology
- ◆ *Amy Sprenger*, Northwest Aquatic and Marine Educators
- ◆ *Jeff Adams*, Washington Sea Grant
- ◆ *Darcy Batura*, Washington State University Extension
- ◆ *Casey Plank*, King County Natural Resources and Parks
- ◆ *Laura Tyler*, Environmental Education Association of Washington (EEAW)
- ◆ *Chryst Bertolotto*, WSU Extension –Snohomish County
- ◆ *Sarah Butzine*, WSU Extension - King County

## Thanks to Storming the Sound Sponsors:

- ◆ *People for Puget Sound*
- ◆ *Department of Ecology*
- ◆ *Environmental Education Association of Washington*
- ◆ *E3 Washington*
- ◆ *Northwest Aquatic and Marine Educators*
- ◆ *Washington Sea Grant*
- ◆ *Washington State University Extension*
- ◆ *King County Natural Resources and Parks*
- ◆ *Burke Museum of Natural History and Culture*
- ◆ *Centers for Ocean Sciences Education Excellence*
- ◆ *Cascade Land Trust*
- ◆ *Puget Sound Partnership*
- ◆ *Sound Experience*
- ◆ *Ocean Inquiry Project*
- ◆ *NANOOS*
- ◆ *Olympic Park Institute*
- ◆ *Mercer Slough Environmental Education Center*
- ◆ *Cascade Interpretive Consulting*
- ◆ *Puget Sound Energy*
- ◆ *Salish Sea Expeditions*
- ◆ Many thanks to our host school, *Chief Sealth High School and staff!*