

Storming the Sound Keynote Address

9:15 – 9:45: (Auditorium): Presented by Jesse Barham: Restoration Biologist, Nisqually National Wildlife Refuge.

"The Nisqually Estuary is undergoing profound changes this fall with tides inundating historic salt marsh and tidal channels that have been cut off from Puget Sound for a century. Nisqually NWR is working with key partners to restore processes that will create and maintain a diversity of habitats that benefit a wide range of species. Jesse will talk about the restoration of these processes and the benefits to fish, wildlife, Puget Sound and visitors to the delta. Over the next few years there will be unique opportunities to learn about and observe the estuary as it recovers from a century of isolation from Puget Sound."

Storming the Sound Breakout session I

10:00 am – 11:00 am:

Estuaries in the classroom: Learn how to connect students with the estuary in our backyard! Educators will participate in classroom activities that satisfy the state's current Essential Academic Learning Requirements (EALR's) as well as hands-on experiences appropriate for classrooms. Local estuarine resources and options for estuary-related field trips will also be provided. This session will also define MWEE's (Meaningful Watershed Education Experiences) and offer examples of implementing them in the classroom with a special focus on Estuary Education. Designed for grades 4-6, but can be adapted for other age groups.

Introducing Puget Sound through exhibit design and interpretive interactions: Puget Sound is our big back yard but many residents know little about it. In this workshop, Point Defiance Zoo & Aquarium staff will give an overview of their approach to introducing visitors to Puget Sound; the design and messaging of the aquarium's Around the Sound exhibit, hands-on informal activities and presentations introducing ecological concepts of beach zones, food webs, and marine animals. Also learn how the Youth volunteer Team is helping to deliver the aquariums messaging to visitors.

Naturscaping & Rain Gardens

Learn about integrating gardens into your curriculum with Native Plant Salvage.

10:00 am – 12:00

Nisqually Reach Nature Center:

Fish Seine: This is an active hands on inquiry based science program where students participate the scientific process by deploying a seine net, Identifying, counting and measuring fish caught and then recording the data. During this program we encourage students to critically think about how to employ math and science skills to answer questions they might have about natural systems. The science that is generated in this program will also be used by the center to answer bigger questions about the effectiveness of restoration of estuarine habitat in one of the largest restoration processes in the Puget Sound.

Nisqually National Wildlife Refuge

On Site Learning at Nisqually: Get outdoors and enjoy a guided walk along the Twin Barns Loop Trail at Nisqually National Wildlife Refuge. During your walk you'll learn about plants and birds of the area and look for signs of wildlife. Discover what great educational opportunities there are for you and your students at the Refuge.

Storming the Sound Breakout Session II

11:00am – 12:00pm

New resources – Hazards on the Homefront and Toxic Free Tips: This session will introduce attendees to two free resources – the newly revised Hazards on the Homefront curriculum and the Toxic Free Tips information program. Hazards on the Homefront is a curriculum on household hazardous waste for the 6-12th grades. It was developed in conjunction with the Local Hazardous Waste Management Program in King County, through a grant from EPA.

Successful volunteer work parties – how do you do it? Learn how to conduct volunteer restoration work parties and cut through the red tape and get the job done. When permits are required, how a Joint Aquatics Resource Permit can help you, which key agencies to call and coordinate with, working with local elected officials, resolving liability issues, getting tools, and developing volunteers while having fun!

Plastics pollution – Consider the Albatross (stomach!)

Port Townsend Marine Science Center offers teachers and educators, environmental and informal educators a session/workshop on marine plastics pollution. Most suitable for 5th-8th grades, these lessons can be modified quite successfully for all students. The lessons introduce the issue of marine plastic pollution to students via the life history of the Laysan Albatross. Participants will be given written lesson plans, as well as access to images, articles and videos to support their efforts in the classroom.

NOTE: Both the Nisqually Nature Reach workshop and the Nisqually Refuge workshops will continue through this hour.

12:00 – 1:00: Lunch/Poster Session

**1:15 – 1:45: Puget Sound Starts Here
Plenary**

1:45 – 2:00 Break

2:00 – 3:00: Session III

Environmental education – the school connection: Do you have great programs to offer schools, but teachers seldom contact you? Is your program only one of many competing for attention from the same few grade levels? Do you currently offer a wide menu of resources for teachers but wish you could be more

strategic about how you work with local schools? Learn how Environmental Educators in Thurston County have been coordinating their school outreach activities, aligning EE offerings with new Science Standards, and marketing their programs to local teachers.

Sound Culminating Projects:

Are you wondering how to connect your students to real world activities that make meaningful senior culminating projects? Are you a student looking for an exciting project focused on the natural world? Learn the basics of the senior culminating project program and participate in a typical culminating project activity involving the WA NatureMapping data collection process.

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Engaging K-12 Sustainability Curriculum with Facing the Future

This hands-on session presents easy-to-use, interdisciplinary, standards-aligned curriculum to engage students in interactive lessons that promote critical thinking on global issues and sustainable solutions. Facing the Future curriculum uses a systems framework to examine the linkages between the environment, economy, and society in the world. Participants will explore how to make complex issues that affect people and the planet relevant to young people. Each participant will receive a complimentary book of Facing the Future curriculum for grades K-5 or 5-12.

3:00 - 4:00 Breakout Sessions IV

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Education on the Water with Ocean Inquiry

The Ocean Inquiry Project (OIP) is a non-profit corporation whose mission is to educate students, teachers and community members through scientific inquiry on Puget Sound. OIP began as a way for several of us to get our Oceanography 101 classes out onto Puget Sound for some hands-on experience. We first took students out during summer quarter of 1999 and have continued each quarter since then.

Reflection/Closing 4:00 – 4:15