



# Ooze News



Society of Wetland Scientists Pacific Northwest Chapter

Volume 27, No. 4: Fall 2017

<http://www.sws.org/pacific-northwest-chapter>

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## President's Corner

*By Yvonne Vallette, Immediate Past PNW Chapter President*

Well I'm happy to report that our Chapter's experiment with organizing a one day "mini-meeting" in lieu of a three-day meeting/technical conference was a success. We picked the Kelso, Washington location hoping that it was convenient to all located along the I-5 Corridor. We had hoped for about 50 folks to attend, but ended up with over 125 participants spending the day to hear invited speakers talk about a wide range of relevant and innovative applied science topics including: advance wetland mapping methods in Washington, blue carbon efforts in the PNW, beaver as a restoration tool, and the integration of aquatic resources mitigation in Oregon. The Cowlitz Tribe's Abernathy Creek restoration and the Coweeman Wetland-Fish Bank site field trips, as well as Sarah Cooke's What and What Not to Plant Workshop, held the next day, were equally successful with sold-out registrations.

This was a great collaboration between the Chapter Board members in bringing in high caliber speakers and topics to the meeting. The presentations and meeting materials have already been collected and are available to view on our Chapter website. So if you came to the meeting and wanted to learn more, or want to know what you missed, then check out the information on our chapter website: <http://sws.org/Pacific-Northwest-Chapter/pacific-northwest-chapter-events.html>.

We hope in the future to continue to look for opportunities to provide relevant, affordable and convenient content to our membership. Meanwhile, work continues in planning our joint meeting with the Society of Ecological Restoration-Northwest Chapter (SWS-NW), October 15-19, 2018 in Spokane, WA. If you are interested in helping out in any way (no task is too small) please contact me at: [vallette.yvonne@epa.gov](mailto:vallette.yvonne@epa.gov). This will be a big, but great meeting. However, its success is dependent upon what resources we are able to bring to it in developing the program and the topics.

The Chapter also held a business meeting in Kelso, resulting in a change to your Chapter Board members. I've completed my term as the Chapter President,

transitioning to Past-President. Now Lizbeth Seebacher with the Washington Department of Ecology will begin her two-year term as Chapter President. Luckily, Maki Dalzell and Katrina Poppe have agreed to continue on as your chapter co-secretaries and newsletter editors.

However, we will be going through elections in order to fill the positions of Chapter Treasurer and Executive Vice President as Karla Gallina and Fiona McNair have decided to retire from years of service, and Lizbeth Seebacher and Nate Hough-Snee have shifted into new positions. These are opportunities for folks to step up to serve that may not have considered serving the Chapter or the organization before. It's a great opportunity to help foster our work and to help keep the wetland community connected. So if you have an interest in serving, don't hesitate to contact me or anyone else on the board with questions. Elections will be held soon with more details below.

In conclusion, we ask that if you come across any items of potential interest (including training opportunities), please pass those on to our wonderful and responsive Chapter newsletter editors: Maki Dalzell ([Maki.Dalzell@hdrinc.com](mailto:Maki.Dalzell@hdrinc.com)) and Katrina Poppe ([katrina@nwecological.com](mailto:katrina@nwecological.com)).

### **Upcoming SWS-PNW Board Elections**

*By Katrina Poppe, Co-Secretary*

The chapter board is looking to fill the following positions:

- **Executive Vice President**
- **Treasurer**

Please contact Lizbeth Seebacher ([lsee461@ecy.wa.gov](mailto:lsee461@ecy.wa.gov)) and provide a paragraph bio by **November 15<sup>th</sup>** if you are interested in serving on the board.

Elections will be held from **Nov 16<sup>th</sup> to Dec 15<sup>th</sup>** on the SWS-PNW website. We will send out an email when the election opens to remind members to cast a ballot.

### **Upcoming SWS-PNW Conferences**

*By Katrina Poppe, Co-Secretary*

Planning is well underway for a joint conference with SWS-PNW and SERNW on October 15-18, 2018 at the Davenport Hotel in Spokane, WA.

**WE NEED YOUR HELP!** The conference planning committee is looking for photos showcasing the Spokane region (the dry side of the Cascades), particularly photos of restoration projects, and/or photos with people. These photos may be used for the conference website or the conference program and will be credited to the

photographer. Photographers of the winning photos will win free chapter logo stickers!

Send photo submissions to Katrina Poppe ([katrina@nwecological.com](mailto:katrina@nwecological.com)).



The outstanding cast of speakers at our SWS-PNW Mini-Meeting

### ***Oregon State Developing Online Statewide Wetlands Inventory Mapper***

*By Jevra Brown,  
Aquatic Resource Planner, OR Dept of State Lands*

In Oregon, local government planners are required to provide notice to the Department of State Lands (DSL) when wetlands and waters are mapped near a proposed construction project. The DSL response to a wetland land use notice is sent to the landowner and planner stating if wetland delineations or permitting will be required for the project, or not.

Though planners are directed to refer to the Statewide Wetlands Inventory (SWI) to check for mapped wetlands or waters, no single, reliable source of mapping exists for this purpose. As a result, some projects move forward without the needed permits. To help remedy this, the new SWI interactive mapper will include multiple resource layers to increase the probability of a positive mapping where wetlands and waters are likely to exist.

The initial release of the SWI mapper, in January 2018, will include the US Fish and Wildlife Service National Wetlands Inventory and the US Geological Survey National Hydrography Dataset as streaming services. Essential Salmonid Habitat (ESH) and State Scenic Waterways (SSW) are included because any project within these waters and hydrologically connected wetlands requires DSL permitting. The last layer is USDA Natural Resources Conservation Service (NRCS) soil map units with predominantly (>50%) hydric soil components. DSL chose to include the NRCS predominately hydric soil map units to flag those areas with a high probability of

containing wetlands that otherwise may be unmapped, for example on the NWI.

In mid-2018, the 90 approved Local Wetlands Inventories will be added. These inventories are part of the SWI developed by local governments with DSL review. Field verification is completed where access permission is granted. All wetlands and waters are mapped with a goal accuracy of +/-5m within the study area. LWIs developed prior to 2009 have a goal accuracy of +/-25ft.

The Department of State Lands intends to add other department-approved wetland mapping layers that are considered part of the SWI in the future, as capacity and technology allows.

The SWI will also be a resource for the public. DSL offers offsite wetland determination as a free service to provide the public with information about aquatic resources that may be present on a parcel, in general, or potential permitting needs for a proposed project.

For more information contact Jevra Brown ([jevra.brown@dsl.state.or.us](mailto:jevra.brown@dsl.state.or.us)).

### **2017 SWS-PNW Student Travel Grant Recipients**

*By Katrina Poppe, Co-Secretary*

Our chapter awarded McMillan Student Scholarship awards to three students to support their participation in the SWS-PNW Mini-Meeting in September, 2017.

You can learn more about the award recipients and their interests here:

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#### **Konrad Hafen**

My experience in aquatic research began as an undergraduate at Utah State University (USU) where I studied wildlife science, fisheries science, and geographic information science (GIS). During this time I conducted research examining aggressive interactions between trout species and nesting dynamics in wood ducks. I also completed a Master's degree at USU focused on quantifying how much water storage beavers dam may create in the Bear River Basin under different scenarios.

Currently, I am a PhD student at the University of Idaho. My research interests are based in modeling various aspects of aquatic ecosystems. Specifically, I am interested in modeling stream permanence and

baseflows, and the implications changes to these factors may have on riparian biota. At the moment, I have two projects in the works. I am working with USGS to assess how dynamic stream mapping models developed for the Columbia River Basin may provide relevant information for land and natural resource managers in contrast to traditional static maps of stream permanence. We are also working towards developing nationwide methods to map stream permanence annually. Additionally, I am working to continue the work from my Master's thesis by modeling how water storage from beaver dams may affect stream baseflows at watershed scales. Several studies have documented the ability of beaver dams to alter baseflows at stream reach scales (~1 km), but uncertainty still exists as to exactly where and at what scales the effects identified in these studies may be manifest.




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#### **Matt Murphy**

I am a current student in the Wetland Science and Management certificate program at University of Washington. As an undergrad at The Ohio State University, I worked as a Forestry Technician for the Ohio Department of Natural Resources and as an Assistant Site Engineer at The Ohio State University Olentangy Wetland Research Park. Working as an Assistant Site Engineer my interest in wetlands sparked as I quickly became immersed in field activities that ranged from collecting data, retrieving and calibrating research data collection equipment, repairing equipment within the wetlands, and helping with misc. research projects.



After completing my B.S. in environment and natural resources science in May of 2016, I took a position as a Fisheries Research Technician where I conducted biological surveys throughout the Midwest using electrofishing and stream classification methods. Once I finished my position, I moved to Seattle, WA, and enrolled into the Wetland Science and Management Certificate Program at UW. I see the program as a great middle ground between my undergraduate and future endeavors to pursue a master's degree in the natural resources field and look forward to the added skills it will bring to my background. I am interested in conducting research on tidal wetland and restoration ecology for improved salmon habitat and similar efforts. I am broadly interested in natural resources management and hope to work towards a career within a public agency or in the private consulting field where I can work with businesses and local agencies on the best solution for conservation and project needs. I aspire to work in an interdisciplinary team within the natural resources field to develop new skills to further shape my professional path. As a new member with the PNW-SWS I look forward to developing new relationships and growing my network within the natural resources community.



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### Grant Ivison-Lane

I am currently a sustainable business (MBA) candidate at Presidio University. I also intern as an environmental planner and scientist at HDR Engineering, where I often work with wetlands.

My scientific background is in soil science. At the University of California, Merced I researched carbon and nitrogen cycling, and other ecosystem scale terrestrial processes. Most of my research took place in California Grasslands, Yosemite National Park, and other places in the Sierra Nevada Mountains, but I also was involved in some research that evaluated the population distribution of various species of monkeyflower (*Mimulus spp.*).

My career interests are the intersections of wetland science, business, and policy. This includes ecosystem impact evaluation, carbon pricing, socioecology, and cultural ecosystem services. In my spare time I enjoy botany. I often bring a field guide with my when hiking (otherwise I get too competitive with racing other people on the trail). After I finish my MBA, I hope to continue working in the field of environmental science and policy to bring positive, and socially accountable environmental change.



### Upcoming Webinars

By Maki Dalzell, Co-Secretary

#### Society of Wetland Scientists:

Register online at <http://www.sws.org/About-SWS/upcoming-webinars-for-nonmembers.html>

- Wetland Restoration in the Rocky Mountains, USA – Lessons from the Field: November 16, 2017, 10:00 – 11:00 AM PDT.
- Five Causal Factors: A General Framework for Wetland Science and Restoration: December 14, 2017, 10:00 – 11:00 AM PDT.

#### Association of State Wetland Managers:

Register online at <http://www.aswm.org/aswm/aswm-webinarscalls>

- Centered Outdoors: Trading Screen Time for Wild Spaces- One Community's Approach: November 1, 2017, 12:00 – 2:00 PM PDT.
- Restoration Outcomes and Reporting: An Assessment of Wetland Area Gains in Wisconsin: November 29, 2017, 12:00 – 2:00 PM PDT.
- How to Keep Headcuts from Working they Way Up or Downstream and Destroying Wetlands: December 13, 2017, 12:00 – 2:00 PM PDT.

#### Coastal and Estuarine Research Federation:

Register online at <http://www.erf.org/webinars>

No webinars scheduled at this time.

### Calendar of Wetland Classes and Workshops

By Maki Dalzell/Katrina Poppe, Co-Secretaries

To better serve our members we have included a list of wetland related classes and workshops occurring in the Pacific Northwest. If you know of other organizations that offer classes please forward the web link to [katrina@nwecological.com](mailto:katrina@nwecological.com).

#### WHPacific, Inc.:

<http://projects.whpacific.com/wetlandtraining.pdf>

- Wetland Delineation and Regional Supplement Training: November 13 – 17, 2017. Portland, OR  
Contact Phil Quarterman for registration or questions ([pquarterman@whpacific.com](mailto:pquarterman@whpacific.com)); (503) 372-3562)

#### Coastal Training Program:

<http://www.coastaltraining-wa.org/>

- Adaptation Planning for Coastal Communities: December 12, 2017. Tacoma, WA.

#### Northwest Environmental Training Center:

<https://nwetc.org/>

- Habitat Restoration Webinar Series: Planning and Implementing a Successful Restoration Plan: November 1 – December 29, 2017. Online
- ArcGIS 10: Geoprocessing – Advanced Techniques for Environmental Applications: November 7 - 9, 2017. Seattle, WA.

#### Portland State University Environmental Professional Program:

<https://www.pdx.edu/environmental-professional-program/>

- River Restoration Project Design: October 30 – November 3, 2017. Portland, OR.
- River Restoration Project Management: December 5–7, 2017. Portland, OR.

#### Richard Chinn Environmental Training, Inc.:

<http://www.richardchinn.com/>

- Wetland Delineation: March 5-8, 2018. Seattle, WA.
- Regional Supplement Wetland Delineation: March 7-8, 2018. Seattle, WA.

#### The Seminar Group:

<http://www.theseminargroup.net/>

- Navigating Floodplains and Flood Risk in the Northwest: December 8, 2017. Seattle, WA.

#### University of Washington – Professional Development Program:

<http://www.pce.uw.edu/>

- Wetland Law and Policy: January 2 – March 2, 2018. Seattle, WA.

#### Western Washington University:

<https://ee.wvu.edu/summer-session>

No wetland related courses at this time.

#### Wetland Training Institute: <http://wetlandtraining.com/>

No wetland related courses at this time.

### Volunteer Shout-Out

By Maki Dalzell, Co-Secretary

We would like to take a moment to thank and recognize our volunteers who have offered to give their time and services to our chapter. Today we'd like to thank Jim Hearsey for devoting his time to update our chapter website. Jim, we are so grateful that you are a part of this organization!

If you would like to get involved and become a volunteer, please contact Maki Dalzell or Katrina Poppe.

**SWS Funds Available for Wetlands Workshops**

*By Maki Dalzell/Katrina Poppe, Co-Secretaries*

The PNW Chapter Board is encouraging applications for SWS support to conduct workshops on relevant topics. The application can be found on the chapter website:

<http://www.sws.org/Pacific-Northwest-Chapter/pacific-northwest-chapter-events.html>

**SWS PNW Consultant Directory**

*By Maki Dalzell, Co-Secretary*

The PNW Chapter hosts a quarterly updated consultant list on the website:

[http://sws.org/images/chapters/pacific\\_northwest/docs/PNW-2017-consultant-list.pdf](http://sws.org/images/chapters/pacific_northwest/docs/PNW-2017-consultant-list.pdf). The only requirement to be on this list is current SWS PNW membership. Updates to your SWS member profile do not automatically carryover to the consultant list. If you would like to be added to the list or have your information updated, contact Maki Dalzell at [maki.dalzell@hdrinc.com](mailto:maki.dalzell@hdrinc.com).

**Update your contact information**

The Chapter uses the current SWS membership list to email newsletters. Make sure your information is current to receive a copy:

<http://sws.org/>  
<https://netforum.avectra.com/eweb/DynamicPage.aspx?Site=SWS&WebCode=LoginRequired>

**Chapter Board Meetings**

*By Lizbeth Seebacher, Chapter President*

The PNW Chapter Board conducts quarterly board meetings via conference call. These meetings are open to the general membership and you are encouraged to attend. If you have questions, concerns, want to get involved or are just curious please feel free to attend the meetings. Our last meeting was held on September 5, 2017 at 12:00 pm, and our next meeting date is TBD. If you are interested, please contact Lizbeth at [lsee461@ecy.wa.gov](mailto:lsee461@ecy.wa.gov) to receive conference call information.

**Ooze News Deadlines for Articles**

Articles and announcements are welcomed and appreciated for the winter edition of the Chapter newsletter, Volume 28 Number 1, no later than January 15, 2017. Please send associated documentation to co-secretaries Katrina Poppe at [katrina@nwecological.com](mailto:katrina@nwecological.com) or Maki Dalzell at [maki.dalzell@hdrinc.com](mailto:maki.dalzell@hdrinc.com). We will review your information for submission to the Ooze News. Thank you.

**SWS PNW Member List Serve**

*By Maki Dalzell/Katrina Poppe, Co-Secretaries*

Of the many benefits of becoming a SWS-PNW member, members enjoy being on an exclusive list serve which provides up to date information regarding events, workshops, news, etc. If you're not a member already, please consider becoming one or encourage your colleagues, employees, or the like to join. Thank you!