pacific northwest aquatic monitoring partnership

Events

October

Oct 7: Herpetofauna in a Time of Drought Webinar (Remote)
Oct 8: RRNW Fall 2026 Short Course: Living Better with Beavers: Effective Coexistence Strategies & How to Apply Them (Twist & Winthrop, WA)
Oct 14: Northwest Power and Conservation Council Meeting - October 2026 (Boise, ID)
Oct 14-16: Spatial-Stream-Network (SSN) Model Training Workshop (Boise, ID)
Oct 15: PNAMP Fish Monitoring Work Group - October 2026 (Remote)
Oct 26-28: Emerging Technologies Information Sessions (Stevenson, WA /Hybrid if necessary)
Oct 27: Oregon Watershed Enhancement Board Meeting - October 2026 (Burns, OR)
Oct 28-30: 2026 Global eDNA Conference (Seattle, WA)

November

Nov 3-6: 46th International Symposium for the North American Lake Management Society (Kelowna, BC, Canada)
Nov 17-18: Northwest Power and Conservation Council Meeting (Portland, OR)
Nov 18-19: 2026 Lake Roosevelt Forum Conference (Spokane Valley, WA)
Nov 18-19: Grande Ronde Model Watershed - State of the Science Conference (La Grande, OR)
Nov 19: Puget Sound Partnership - Salmon Recovery Council Meeting (Hybrid)

If you have an upcoming event that you would like to add to the PNAMP website and newsletter, please reach out to mdethloff@psmfc.org.

Job Openings

Data Management Specialist 2 - Natural Science - West Coast Groundfish Observer Program (WCGOP) Debriefer (Newport, OR) Pacific States Marine Fisheries Commission - Closes: Oct 3, 2026

Eastern Washington Fish Science Manager (Chelan County, WA) Washington Department of Fish and Wildlife - Closes: Oct 13, 2026

Environmental Scientist, Aquatic Invasive Species Biologist - California Department of Fish and Wildlife - Closes: Oct 7, 2026

Environmental Scientist, Marine Biologist - San Francisco Bay (San Joaquin County, CA) California Department of Fish and Wildlife) - Closes: Oct 12, 2026

GIS Analyst III (Boise, ID) Idaho Department of Fish and Game - Closes: Oct 2, 2026

Wildlife Technician - 4.75 Months (Pocatello, ID) Idaho Department of Fish and Game - Closes: Oct 18, 2026

Fisheries Technician - Pahsimeroi Fish Hatchery (May, ID) Idaho Department of Fish and Game - Closes: Open until filled

If you have a job opening that you would like to add to the PNAMP website and newsletter, please reach out to mdethloff@psmfc.org.

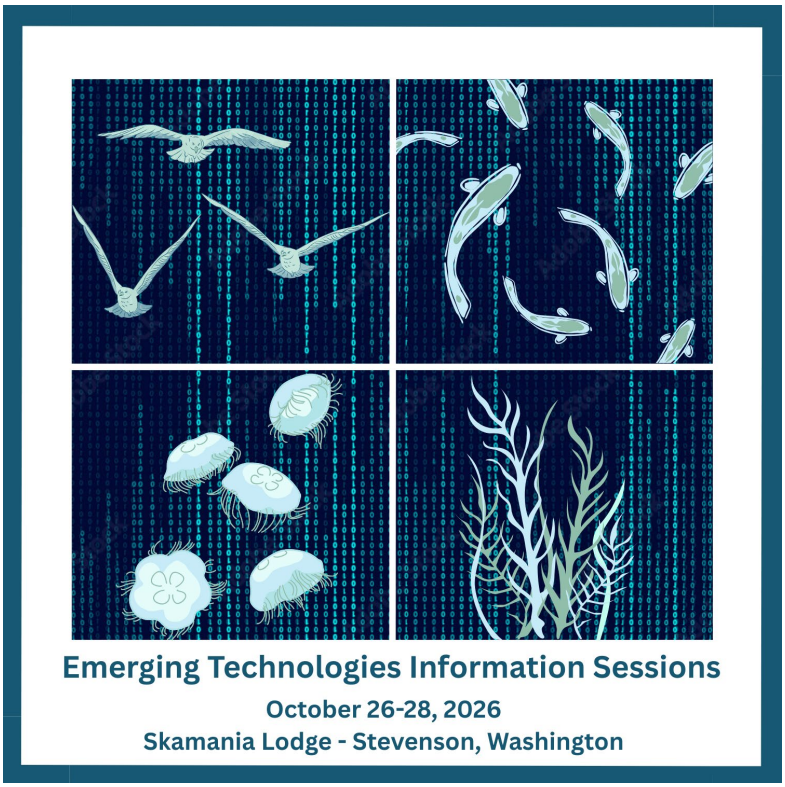
Announcements and Recent Publications

It's officially fall!

Happy PSL Season (Pacific sand lance season *of course*)

Register NOW for the 2026 Emerging Technologies Information Sessions!

Insight Below the Surface: Advancing Ecological Monitoring Through Innovative Tools and Data-Driven Decisions



Monitoring professionals, project managers, data collectors, and data managers; join us at the 2026 Emerging Technologies Information Sessions conference and learn about the latest technologies and innovative techniques in ecological monitoring. Come out to the Pacific Northwest and network with other monitoring professionals implementing technologies in new ways.

REGISTER HERE

Registration Fee: $175 (reach out to us if you would like to reserve a spot on the attendee list but you are awaiting FY27 funds)

Registration Includes:
— **Workshop:** Genetics 101 for Fisheries Professional
— Field trip to the Columbia River Inter-Tribal Fish Commission's Mobile Genetics Lab
— **Presentations** from colleagues across the United States and Canada
— **Poster Session and Exhibitor Spotlight** with complimentary appetizers and no-host bar
— Continental breakfasts, complimentary lunch, coffee and snack breaks



VIEW AGENDA

When: October 26, 2026 - October 28, 2026
Where: Skamania Lodge, Stevenson, Washington, USA

Travel: Stevenson, Washington is located in the Columbia River Gorge approximately an hour east of the nearest major airport in Portland, OR.

Lodging: Skamania Lodge may have availability - the hotel block has closed

- Other lodging is also available in Stevenson, WA as well as in neighboring towns– Cascade Locks, OR - Hood River, OR – White Salmon, WA

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Northwest Power and Conservation Council

If you have questions, please contact Sam Cimino at scimino@psmfc.org.

Towards interactive, language-guided tracking of salmon in sonar video

Join us at the PNAMP Fish Monitoring Work Group October meeting, where **Kai Van Brunt**,

Research Assistant at the Massachusetts Institute of Technology (MIT) Beery Lab, will feature in a Tech Talk titled **Towards interactive, language-guided tracking of salmon in sonar video**.

Presentation description:
Sonar video cameras are deployed underwater in rivers throughout the Pacific Northwest and Alaska to count the number of salmon migrating each year to spawn, informing the setting of fishing quotas and enabling monitoring of population response to conservation actions. Stakeholders have begun incorporating computer vision-based processing to reduce the time needed to process sonar video into salmon counts. This processing involves a specialized detection model and tracker that tracks fish as they enter and exit the field of view. While these specialized models perform well at river locations that appear in training data, their performance is brittle under environmental shift, causing prediction errors at new deployments and in changing environments.

More information on the October FMWG meeting

Herpetofauna in a Time of Drought Webinar

Join us for a remote scientific presentation series featuring herpetologists and researchers from across the West discussing how reptiles and amphibians are responding to drought in our region.

Presentations:
Fire management guidance for terrestrial amphibians in PNW moist coniferous forests.
Donald Brown, US Forest Service

Amphibian survival during multi-decadal drought in the western USA is mediated by body condition and environmental setting.
Rebecca McCaffery, US Geological Survey

Studying herps and enduring a megadrought, while staring down the super El Niño. What could go wrong?
Todd Esque, US Geological Survey

Potential range expansion of snakes with a warming climate
Michelle Jeffries, US Geological Survey

Webinar hosted by:
Northwest Partners in Amphibian and Reptile Conservation (NWPARC), Society for Northwestern Vertebrate Biology (SNVB), and Pacific Northwest Aquatic Monitoring Partnership (PNAMP)

The full event details can be found here, please be sure to RSVP:

RSVP

Questions or comments? Reach out to David Pilliod, USGS (dpilliod@usgs.gov) and Meg Dethloff, PNAMP/PSMFC (mdethloff@psmfc.org)

Recent Publications:

Rewilding the upper Klamath River Basin: rapid recolonization of Chinook salmon following the world's largest dam removal
Damon H. Goodman, Keith Denton, George R. Pess, James Whelan, Oleksandr Stefankiv, Toz Soto, Alex Corum, Jordan Ortega, Oshun O'Rourke, Mark E. Hereford, Domenic Giudice & Nicholas A. Som

Testing the Effects of Changing Landscape Connectivity on Juvenile Chinook Salmon Densities within the Skagit River Delta in Response to a Natural Experiment
Matthew Leonard Nelson, Michael T. LeMoine, Correigh M. Greene, Eric M. Beamer

Navigating uncertainty and competing objectives: Spring chinook salmon recovery in the upper Willamette river
Claire E. Couch, J. Rose Wallick, James T. Peterson, Bailey A. Morgan, Matthew L. Keefer, Christopher C. Caudill, Kathleen G. O'Malley, Christina A. Murphy, James S. White, Jake R. Kelley, Dalton J. Hance, Gabriel S. Hansen & Tobias J. Kock

Triggered deterrence of seals from a salmon river using imaging sonar | ICES Journal of Marine Science
Douglas Gillespie , Robert N Harris , Carol Sparling

Environmental influences on terminal migration behaviour of Chinook salmon in Cowichan Bay, British Columbia
Kelsie A. Murchy a, William D.P. Duguid a b, Jamieson B. Atkinson c, Jessica Qualley a b, Katie G. Innes a b, Hailey L. Davies a, Bridget Maher a, Francis Juanes

Diversity Under Pressure: Long-Term Genetic Decline in California's Central Valley Chinook Salmon ESA Listed Runs
E E Collins, T Q Thompson, P Goertler, M R Baerwald 5, M H Meek

In-Hatchery Survival of Chinook Salmon Using Natural and Hatchery Broodstocks
McCarrick, Darcy K; Venditti, David A; McCormick, Joshua L; Steele, Craig A; Tumendemberel, Odbayar

Linking mesohabitat delineation and landscape metrics to assess the riverscape following multiple

dam removals
Kerstin Schlobies, Erik van Rooijen, Davide Vanzo & Eliisa S. Lotsari

Flume experiments on macro-roughness elements: Hydraulic response and potential influences on flood risk and habitat diversity
Simone Speltoni, Volker Weitbrecht, Robert M. Boes, Isabella Schalko

A strategic framework for salmon stock identification and age sampling program review in Pacific Region with case studies on key stocks and fisheries
Nicholas A. W. Brown, Diana Dobson

Juvenile Salmon and Their Habitats in the Columbia River Estuary: A Review and Synthesis of Knowledge Development 2000–2025
Nichole K. Sather Heida L. Diefenderfer Margaret A. McKeon

If you have a recent publication that you would like to add to an upcoming newsletter, please reach out to mdethloff@psmfc.org. Many of these papers were sourced from Science on the Street, produced by Greer Maier, thank you for sharing the incredible research being published!

PNAMP.org pnamp@psmfc.org PNAMP YouTube channel

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