pacific northwest aquatic monitoring partnership

Events

July

July 8: Genomic Surveillance of Zebra Mussel Populations Using Genotyping by Sequencing (free webinar)
July 9: Salmon Data Discovery Tool – Data Loading Working Session (virtual)
July 14-16: Northwest Power and Conservation Council Meeting (Portland, OR)
July 14-15: Oregon Invasive Species Council Summer Business Meeting & Field Tour (Grants Pass, OR)
July 14: Salmon Data Discovery Tool – Data Loading Working Session (virtual)
July 16: Washington Invasive Species Council Meeting (Olympia, WA)
July 17: CBSWC-Lincoln County Water Purveyor Listening Session (Davenport, WA)
July 28-29: Oregon Watershed Enhancement Board Meeting (The Dalles, OR)
July 29: Salmon Data Discovery Tool – Data Loading Working Session (virtual)

August

Aug 5: WA Salmon Recovery Funding Board (Olympia, WA)
Aug 10: Geospatial Professional Network (GPN) GIS Leadership Academy (virtual)
Aug 11: Northwest Power and Conservation Council Meeting (Seattle, WA)

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

Fisheries Monitoring & Research Technician - Scientific Tech (Ridgefield, WA) - Washington Dept of Fish & Wildlife - Closes July 2, 2026

Cowlitz Monitoring & Evaluation Unit Lead - Fish & Wildlife Biologist 4 (Toledo, WA) - Washington Dept of Fish & Wildlife - Closes: July 6, 2026

Habitat Environmental Engineer 3 - Environmental Engineer 3 (Spokane Valley, WA) - Washington Dept of Fish & Wildlife - Closes: July 6, 2026

Fisheries Disaster Support Services (remote) - Ocean Associates Inc. - Closes: July 10, 2026

Sea-Going, Field, and Survey Support Services (Newport, OR) - Ocean Associates Inc. - Closes: July 10, 2026

Fisheries Technician 2- Harvest Monitoring Project (Lewiston, ID) - Pacific States Marine Fisheries Commission - Closes: July 15, 2026

Fish Hatchery Biological Aide (Hagerman, ID) - Idaho Dept of Fish & Game - Closes: July 29, 2026

Principal Scientist/Engineer (OR/WA) - Spheros Environmental - Closes: Open until Filled

Full Stack Software Engineer Fish Data Systems (Portland, OR) - Pacific States Marine Fisheries Commission - Closes: August 2, 2026

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

New PTAGIS Newsletter Available

The latest issue of the PTAGIS Newsletter is now available to view here.

Articles available in this newsletter:

1. Updated PIT Tag Marking Procedures Manual
2. P4 Support Ending December 2026
3. Biomark Preloaded PIT Tag Trays Recycling Option
4. Annual PTSC Meeting and Member Updates
5. STREAMS Subcommittee Meeting December 2025

All PTAGIS newsletters are available to view in the Document Library. Want on the distribution list? Subscribe here to receive an email when the next newsletter is published.

If you have any questions or comments, please email PTAGIS at: contact here.

Pacific States Marine Fisheries Commission Program Updates: 2025 Annual Report Highlights

Pacific Northwest Aquatic Monitoring Partnership (PNAMP) and StreamNet made significant progress in 2025 advancing regional data sharing, collaboration, and decision support for fisheries management.

PNAMP's transition to Pacific States Marine Fisheries Commission (PSMFC) strengthened alignment with StreamNet and expanded opportunities to integrate data systems and better serve partners. Together, the programs continued to co-lead the Coordinated Assessments Partnership (CAP), improving standardized data exchange across the region.
StreamNet expanded regional data access, with new records added to its systems to totals of nearly 198,000 Fish Monitoring Data records and more than 29,000 records in the Coordinated Assessments Data Exchange. Enhanced APIs, web tools, and GIS datasets improved the ability for partners to submit, discover, and use data.

PNAMP advanced data management and metadata practices through MonitoringResources.org, which now documents over 8,500 monitoring efforts and continues to improve data interoperability and discoverability.
Both programs supported key regional reporting and decision-making processes for BPA, NOAA, and the Northwest Power and Conservation Council, while engaging the broader monitoring community through workshops, webinars, and workgroups.

PNAMP 2025 Annual Report: https://pnamp.org/pnamp-2025-annual-report_bpa/
StreamNet 2025 Annual Report: https://www.streamnet.org/streamnet-annual-report-to-bpa-cy2025/

Recent Publications:

The Impact of Submerged Aquatic Vegetation Removal on Fish Predation in a Tidal River Channel
Cyril J Michel, Benjamin P Burford, Lance K Takata, Brendan M Lehman, Nicholas J Demetras, Lee R Harrison

The following publications are a truncated version of the Salmon Science on the Street email sent out by Greer Maier, Science Coordinator for the Washington State Governor's Salmon Recovery Office. If you'd like to recommend a paper or want included on the Salmon Science on the Street distribution list, reach out to Greer, greer.maier@gsro.wa.gov

Quantifying component mortality estimates of out-migrating juvenile steelhead (Oncorhynchus mykiss)
Elizabeth Mary Greenheck, Cyril Joseph Michel, Brendan Lehman, Lance Takata, Nick

Demetras, T. Reid Nelson

Predicting Head Loss and Hydraulic Roughness of Channel-Spanning Large Wood Jams
Aleah Hahn, Ryan R Morrison, Shayla Triantafillou, Ellen Wohl

From Uncertainty to Co-Production: Structural and Systemic Barriers to Salmon Recovery in Puget Sound
Rebecca Q Wheaton, Bryan M Reiley, Isa Woo, Melanie J Davis

Using height-above-river metrics and machine learning to model riparian vegetation distribution and reach-scale restoration potential
Clancy R McConnell, James H Thorne, Steven E Greco

Quantifying Chinook salmon habitat across flow regimes: high resolution modeling in Oregon's Willamette river basin
James S White, Karen M Bartelt, Tobias J Kock, Brandon Overstreet, Gabriel Hansen, Rose Wallick

Spring-fed tributary–mainstem networks as seasonal habitats: food complementarity and thermal refuges for juvenile salmon
Masaru Sakai, Junjiro Negishi, Kohma Arai, Kenta Iwasaki, Itsuro Koizumi

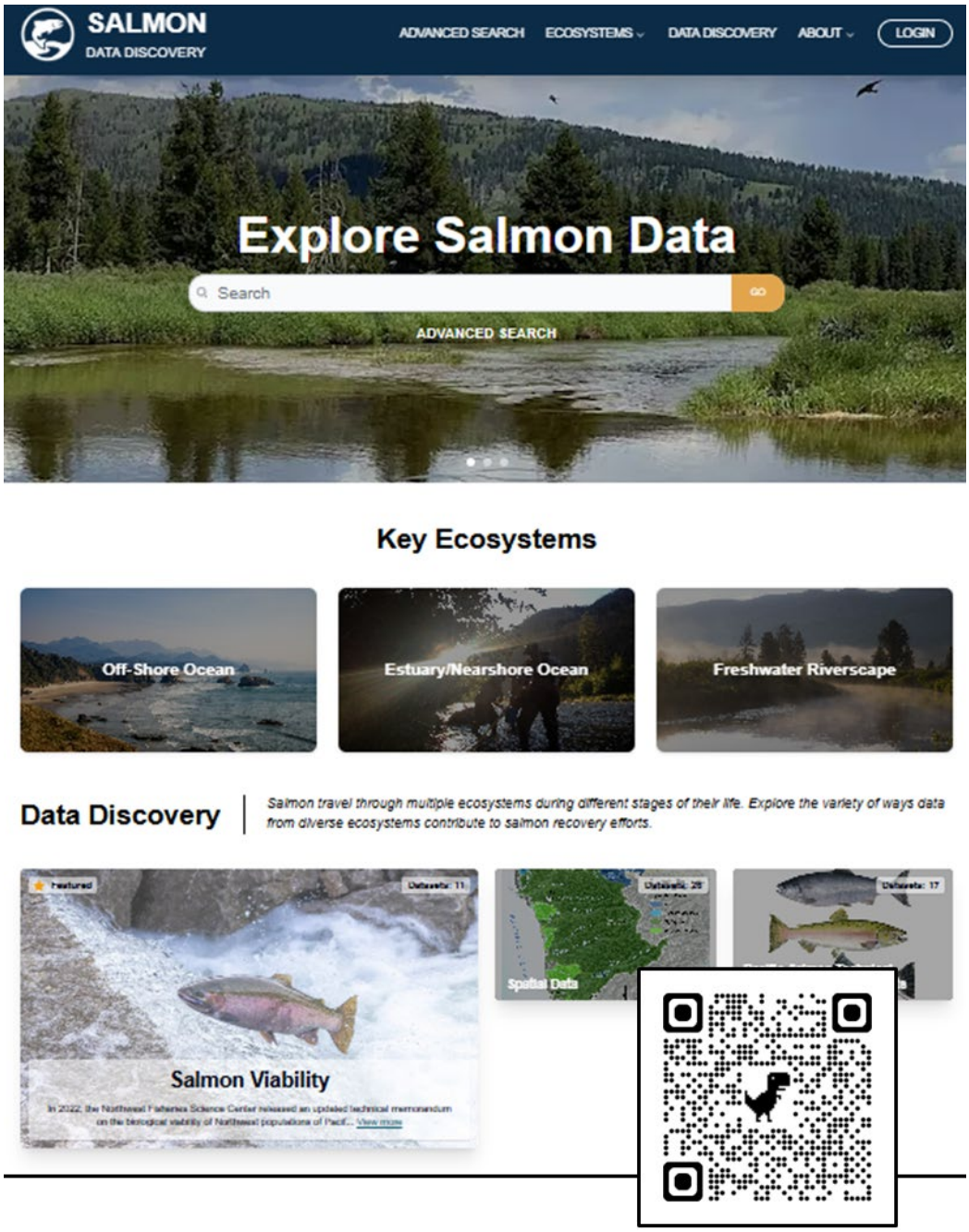
Adaptive potential of Puget Sound Chinook salmon seawater tolerance
Dr. Michael J Malick, Dr. Barry A Berejikian, David Kuligowski, Dr. Krista M Nichols

Influence of Beaver Dam Analogs on Riparian Vegetation and Sediment Deposition in a Rangeland Stream in Northern Utah
Luke Hatch, Nickolas Webster, Paul Burnett, Zion Klos

If you have a recent publication that you would like to add to an upcoming newsletter, please reach out to mdethloff@psmfc.org.

Highlights

Discover Salmon Data in One Place: The Salmon Data Discovery Tool



Are you tired of wasting time searching for data, or getting emails asking for the same data set? Do you have useful data products you would like to make a public resource?

The Salmon Data Discovery Tool (SDDT) was created as a joint partnership between NOAA's Northwest Fisheries Science Center and Pacific State Marine Fisheries Commission to create a public repository for all types of salmon related data products.

The data discovery tool provides a single location to hold data across ecosystems (freshwater, estuary, marine) and data types (documents, data files, derived data products, spatial data, GitHub links) relevant to Pacific Salmon. Many of these datasets exist in agency reports or databases maintained by external agencies or groups (e.g., states, tribes, Pacific Salmon Commission, Pacific Fisheries Management Council), but are not centralized, or generally accessible to the public. SDDT changes this by providing a single centralized hub for the salmon science community.

Please visit https://sddt.psmfc.org/ to explore the site and start loading your files!

To reach out with more questions, email SDDT@psmfc.org.

We can help with uploading datasets, reports, R code, spatial files, and others to the Salmon Data Discovery Tool.
Click here to register for a free July virtual working session:
July 9: 10:00am - 11:00am
July 14: 1:00pm - 2:00pm
July 29: 11:00am - 12:00pm

Transforming Effectiveness Monitoring in the PNW

Panelists (left to right): Greer Maier, Kara Anlauf-Dunn, Alta Harris, Janine Arano Castro, & Melody Feden
Moderator: Chris Jordan

The Conversations Ahead: Takeaways from the PNAMP Panel at Western Division AFS 2026

At this year's Western Division AFS Conference in Portland, the PNAMP Action Effectiveness Monitoring Project convened a panel discussion that brought together agency, tribal, academic, and program perspectives from across the region. Representing some of the leading voices in restoration monitoring, the panel featured five practitioners (pictured above) and expert moderating to explore the transformation of effectiveness monitoring in the Pacific Northwest.

What the discussion revealed was both a clear-eyed view of where the field faces friction and a genuine appetite for the kind of coordination, communication, and capacity-building that PNAMP is well-positioned to support.

Effectiveness monitoring is a complex and multifaceted field, and conversations about it naturally span a wide range. Among those that emerged from the panel, five stood out – not just as conversations worth having, but as ones we need to be acting on.

Five conversations PNAMP is ready to have:

- Monitoring must be built around decisions, not data
    - "What management action changes because of this action?" Long-term datasets, the panel noted, are only as valuable as the questions they're still answering.
    - A recurring concern was that many programs collect data without a clear line of sight to the management decisions those data are meant to inform. Panelists called for monitoring to be intentionally hypothesis-driven and purpose-built from the beginning.

That shift in mindset points toward a broader framework. Rather than treating monitoring as a standalone activity, panelists advocated for embedding it within adaptive watershed management from the start. Using it this way could identify limiting factors, guide restoration priorities, and drive iterative learning at a watershed scale.

- Coordination failures are costing us
    - Institutional fragmentation was repeatedly named as a major barrier to effective monitoring. Siloed agencies, duplicate reporting requirements, incompatible frameworks, and fractured funding pile up to jam the potential of wide-spread coordinated monitoring.
    - Panelists were clear that the solution is not rigid top-down standardization, but rather shared tools, common metrics, and collaborative structures that reduce duplication without removing flexibility.

Addressing fragmentation requires the kind of space PNAMP was built to provide. Acting as a neutral convener, PNAMP sits outside of institutional pressures that can make coordination difficult. Facilitating cross-program dialogue, developing shared frameworks, and connecting agencies and practitioners who are working towards shared goals is the point. Where top-down mandates can foster resistance, taking collective action within a trusted neutral framework creates possibility.

- Relationships and trust are the foundation
    - Technical rigor matters, but monitoring succeeds or falls on the strength of relationships. The panel emphasized that communication between scientists and practitioners, meaningful engagement with communities and landowners, and genuine coordination across agencies are just as important as methodological

strength – though often takes more time and care to achieve.

- Monitoring needs better PR
    - In a competitive and shifting landscape for funding, monitoring needs a better story. When restoration projects are visible and tangible, monitoring often gets framed as overhead, or worse, as distrust of the work. Panelists argued for an intentional and coordinated reframe; monitoring is investment protection, risk reduction, and adaptive learning. It is not a check of whether a project "worked" so much as it is how our field gets smarter and more effective over time. Communicating that distinction to funders and decision-makers remains an important and ongoing challenge.

- Long-term programs must evolve or justify themselves
    - Long-term datasets are invaluable – no one is arguing their value – but continuing to collect data simply because collection has always occurred is not sufficient. Panelists called for periodic reassessment of long-term programs to ensure they remain tied to current management questions and reflect evolving conditions on the landscape.

Across all five themes, the community's support for progress was clear. The panel brought what many of those involved feel to the surface: the tools, relationships, and frameworks to do this work better are within reach. PNAMP is positioned as a neutral convener, facilitator, and connector across programs to keep this momentum. This conversation was a strong starting point – worth building on.

A huge thank you to the panel - Greer Maier (WA GSRO), Kara Anlauf-Dunn (ODFW), Alta Harris (Klamath Tribes), Janine Arano Castro (USFWS), & Melody Feden (ODFW) - and Chris Jordan (NOAA) for moderating. This conversation is helping to develop the next steps and actions of the Effectiveness Monitoring Working Group.

For more information or if you have questions, please contact Madeleine Kopf-Patterson at MKopfPatterson@psmfc.org or check out the Action Effectiveness Monitoring page.

PNAMP.org pnamp@psmfc.org PNAMP YouTube channel

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