



PNAMP Quarterly Status Report

July – September 2023

[Coordinated Assessments Partnership & HCAX Project](#)

Accomplishments

- 2023 CAP Workshop yielded significant input from the multiple break-out sessions that were focused on specific challenges and suggestions. We have synthesized this input and organized it so that PNAMP and StreamNet staff can incorporate needs into FY24 work plans.
- HCAX data flow implementation is nearly complete, with staff from multiple entities involved in compiling and sending data working to test data submission via the API.
- PNAMP contributed to development and review of several new data dashboards that are hosted by StreamNet.
- PNAMP staff participated in the bi-annual StreamNet Steering Committee meeting September 19-20, 2023 and contributed updates on CAP Workshop, HCAX and other tasks collaborative PNAMP and StreamNet manage together.

In Progress

- Planning for the final HCAX Workshop, tentatively scheduled for April 2024

Coordination and Communication

Accomplishments

- Completed [July](#), [August](#) and [September](#) newsletters
- July 25, 2023 Jen Bayer and Nancy Leonard presented to the Upper Columbia River Blocked Area Anadromous Fish Working Group Studies and Actions Working Team (UC BAAF: SA) Working Team on approaches for data publishing and sharing.
- USGS has largely completed the administrative process needed to realign the PNAMP Coordination Team within USGS so that these staff are now part of the USGS Forest and Rangeland Ecosystem Science Center (FRESC). The PNAMP Coordination Team provided an overview presentation to a FRESC all-hands meeting to introduce themselves and encourage more participation by FRESC science staff in PNAMP activities.

In Progress

- PNAMP was invited to participate in the *Pacific Coast Salmon and Climate Initiative*, initiated by Long Live the Kings. Specifically, PNAMP was requested to assist with development of a data management strategy for this initiative.
- The October newsletter
- PNAMP has been asked to assist with a workshop to review EPA's Biological Condition Gradient model and toolset. The workshop will be held in conjunction with the Society for Freshwater Science Pacific Northwest Chapter Annual Meeting (November 6-8, 2023 in Hood River, OR).
- PNAMP welcomed new staff member Quinnell Flanagan. Quinnell will primarily assist with communications and MonitoringResources.org content management and user support.

[CRBRP Toxics Monitoring Subgroup \(TMS\)](#)

Accomplishments

- The [Columbia River Basin Toxics Monitoring Project Tracking Matrix version 1](#) was completed and published to EPA's website on September 21, 2023.
- July 11, 2023 Toxics Monitoring Subgroup Meeting; Link to [materials on EPA website](#); link to [PNAMP event](#).
 - 40 participants from state, tribal, federal, and other organizations

- At the meeting, we discussed the status and future plans of the Columbia River Basin Toxics Monitoring Project Tracking Matrix; initiated planning for the winter workshop; and featured five lightning talks from subgroup members.
- A link to the meeting recording is available by request.
- September 26, 2023 Toxics Monitoring Subgroup Meeting; Link to [materials on EPA website](#); link to [PNAMP event](#).
 - 48 participants from state, tribal, federal, and other organizations
 - At the meeting, Jill Fullagar (EPA) presented an introduction to the Water Quality Exchange (WQX); we initiated planning for a potential project and/or data dashboard; engaged the meeting participants to help answer a question submitted by a TMS member about fish tissue toxicity reporting and criteria to measure against; and featured two lightning talks from subgroup members.
 - A link to the meeting recording is available by request.

In Progress

- Planning for the TMS Annual Workshop. The hybrid event will be December 5, 2023 with an option to attend in-person in Portland, OR. Link to [PNAMP event](#).

[Fish Monitoring Work Group](#)

Accomplishments

- At the end of July, the Fish Management Units Boundaries and Attributes Task completed a recommendations document based on feedback received from the FMWG as well as other regional experts. This will be shared with StreamNet to provide recommendations on how StreamNet defines fish management units (e.g., population, core area, migratory corridor), names, and boundaries for more effective, standardized analyses, and communication/display of data via the StreamNet data tools and GIS layers ([document link](#))
 - The recommendations were presented to the PSMFC StreamNet Steering Committee on September 20
- Nancy Leonard (PSMFC/StreamNet) reviewed feedback received at the June 27th meeting for StreamNet’s development of an ESRI Dashboard intended to display a variety of content from existing sources that relates to screw traps (i.e., StreamNet, PNAMP’s MonitoringResources.org, BPA’s CBFish.org, and PTAGIS)
 - The draft dashboard was presented to the PSMFC StreamNet Steering Committee on September 20
- PNAMP staff participated in the bi-annual StreamNet Steering Committee meeting September 19-20, 2023 and contributed updates on FMWG collaborative tasks PNAMP and StreamNet manage together
- The FMWG Core Team met in July, August, and September to plan and coordinate future work, discuss task progress, and develop agenda for October meeting

In Progress

- Development of FMWG tasks to support priorities identified at the 2023 CAP Workshop
- Planning for FMWG Quarterly Meeting (October 19, 2023), [event page](#)
- Planning for a session at the PTAGIS Workshop to focus on PIT tag array data management and analytical approaches for PIT Tag data (Stevenson WA January 30-February 1, 2024)
- Planning for a PNAMP-hosted symposium at the 2024 WA/BC and Idaho Chapter Annual Meeting (joint meeting April 29-May 2, 2024)

[Intensively Monitored Watersheds Forum](#)

Accomplishments

- Worked with Amelia Johnson (LCFRB), Bob Bilby (SRFB Monitoring Panel), and other IMW PIs to refine and submit the 2024 River Restoration Northwest session proposal entitled *Key Results from Intensively Monitored Watersheds: Incorporating Lessons Learned into Restoration Programs and Project Design*. The proposal was accepted by conference organizers, and speakers have submitted abstracts for 4 talks and 1 poster.

MonitoringResources.org

Accomplishments

- Presented a virtual [MonitoringResources.org training/orientation](#) to 23 new and returning MonitoringResources.org users highlighting the BPA Workflow and published the orientation video to the PNAMP YouTube channel and MonitoringResources.org
- Reviewed and provided feedback to 10 methods from July 1st – September 30th, 2023
- Updated the [guidance document for DELVE subject matter experts](#)
- Updated the [Cloning a Protocol](#) training video
- Finalized the development work of validating which of the planned sampling locations were actually visited (“Actuals”) and released this function to the MonitoringResources.org production site
 - Demonstrated this tool to project sponsors and BPA staff
- Coordinated biweekly meetings with ESA Sitka to discuss current and future development
- Coordinated with BPA staff to walk through and discuss the final development work in FY23 and to begin identifying priority development in FY24
- Met monthly with California Department of Water Resources (CA DWR) to discuss next steps in the relationship between MonitoringResources.org and DELVE
 - Planned out the next steps to finalize template protocols and link to those protocols in DELVE
- Provided one-to-one guidance and assistance to MonitoringResources.org users at CA DWR, BPA, IDFG, ODFW, and the USGS

In Progress

- Putting together a virtual MonitoringResources.org training/orientation walking through the BPA Workflow for CORs
- Reviewing and finalizing template DELVE protocols
- Creating a tutorial video on how to validate actual sampling locations
- Assisting project sponsors interested in MonitoringResources.org guidance with one-to-one webinar sessions
- Updating [training videos](#) instructing Monitoring Resources users on how to document their metadata
- Updating the MonitoringResources.org Guidance Document and specific training modules in particular the Sample Design module to include the validation of actual sampling locations
- Continuing to investigate how to reuse MonitoringResources.org, StreamNet, and CBfish.org data into a standard metadata format
- Investigating connections between MonitoringResources.org and the Salmon Data Discovery Tool and SalHub

Outstanding Issues

- Creating a “Getting Started” module for MonitoringResources.org guiding new users on the best approach to documenting their metadata
- How do we link the Study Plan Summary to other regional data systems?
- How do we simplify the process for users to enter information in MonitoringResources.org?
- How do we make the Monitoring Explorer map more user-friendly?
- How do we streamline the stylizing and updating of the layers in Monitoring Explorer?

[Remote Sensing Forum](#)

Accomplishments

- With Lauren Burns (Ecofish Research), co-led the organization and implementation of the RSF quarterly meeting July 12, 2023. The meeting was attended by at least 27 people, and the meeting recording has 276 views as of September 29, 2023. Link to [PNAMP event](#), link to [meeting recording](#). Featured presentations by:

- Natasha Nahirnick (Ecofish Research): Mapping with confidence; delineating seagrass habitats using Remotely Piloted Aerial Systems (RPAS)
- Tara Blackman and Tulley Mackey (Mount Hood Environmental): Oregon Spotted Frog Habitat Suitability Monitoring in Central Oregon Wetlands

In Progress

- Planning for the fall 2023 quarterly meeting, date TBD.

[Stream Habitat Metric Integration Project](#)

Accomplishments

- Publications from this project completed this quarter:
 - Bayer et al., 2023 Sharing FAIR monitoring program data improves discoverability and reuse. Environ Monit Assess 195, 1141, <https://doi.org/10.1007/s10661-023-11788-4>.
 - Scully, R.A., Dlabola, E.K., Heaston, E.D., Bayer, J.M., Courtwright, J.L., Snyder, M.N., Hockman-Wert, D.P., and Saunders, W.C., 2023, Wadeable stream habitat data integrated from multiple monitoring programs for the US from 2000-2022: U.S. Geological Survey data release, <https://doi.org/10.5066/P9J3P7SN>
 - Scully, R.A., Heaston, E.D., and Dlabola, E.K., 2023, Stream Habitat Metrics Integration Data Exchange Standard (SHMI-DES): U.S. Geological Survey Software Release. <https://doi.org/10.5066/P9KON2PKB>

In Progress

- The report that will describe methods, the data standard, and the controlled vocabulary is in the USGS peer review process. This will ultimately be a USGS Methods & Techniques Series report published by USGS.
- FY24 tasks are under development with the project team and will include development of use case manuscripts that demonstrate the value of the integrated dataset and effort to make these programs' monitoring location metadata available on PNAMP's MonitoringResources.org toolset.

[Steering Committee Meeting Series](#)

In Progress

- Planning is underway for the fall 2023 PNAMP Steering Committee and StreamNet Executive Committee Joint Meeting, scheduled for November 8-9, 2023 (Portland, hybrid)
- Draft work plan for fiscal year FY24 is complete and a final version will be distributed soon