



PNAMP Quarterly Status Report

October – December 2023

[Coordinated Assessments Partnership & HCAX Project](#)

Accomplishments

- PNAMP and StreamNet staff are beginning to address input from the 2023 CAP Workshop and have incorporated needs into FY24-25 work plans, following review and vetting with the PNAMP Steering Committee and StreamNet Executive Committee.
- HCAX data flow implementation testing is complete, with successful data submission via the API from several partners. StreamNet staff are identifying any needed alterations and will share that with partners in January 2024.

In Progress

- Preparations for the final HCAX workshop are underway, tentatively planned for mid-March. A date will be set in January 2024.
- One of the highest priorities identified at the 2023 CAP Workshop is to review and update as needed the terms and definitions that underpin the Data Exchange Standards (DES) in use for CAP and StreamNet data sharing systems. We are collaborating with partners from Fisheries and Oceans Canada to develop a shared ontology for salmon data terms and definitions.

Coordination and Communication

Accomplishments

- Completed the [October](#), [November](#) and [December](#) PNAMP newsletters

In Progress

- The PNAMP January Newsletter
- PNAMP staff began work on the PNAMP 2023 Annual Report

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

Accomplishments

- December 5, 2023 Toxics Monitoring Subgroup Workshop; Link to [materials on EPA website](#); link to [PNAMP event](#).
 - 53 participants from state, tribal, federal, and other organizations
 - The workshop included [presentations](#) on the Columbia River Basin Restoration Program, a summary of Columbia River Basin toxics monitoring project information, a [prototype geospatial tool](#) to display toxics monitoring project information, a comparison of methods being used by CRB toxics monitoring projects, and recommendations for project reporting. There were also multiple group discussions following the presentations, [live polling](#) to get feedback on various topics, and a [brainstorming exercise](#) to help build a shared understanding of gaps and needs.

In Progress

- The TMS Core Team continues to meet every other week to plan and prepare for quarterly Toxics Monitoring Subgroup Meetings and make progress on tasks.

Emerging Technologies Information Sessions

Accomplishments

- Discussed the format and timing of the next Emerging Technologies Information Sessions webinar series at the PNAMP/StreamNet Steering Committee meeting
- Polled participants at the PNAMP/StreamNet Steering Committee meeting to identify individuals who may be interested in being part of the ETIS Planning Team

In Progress

- Putting together the ETIS planning team and identifying a time and date for the Emerging Technologies Information Sessions webinar series planning team kickoff meeting

Fish Monitoring Work Group

Accomplishments

- On October 19, 2023, the full work group convened for updates on tasks and a Tech Talk from Nat Scholz, an Ecotoxicology Program Manager with NOAA Fisheries at their Northwest Fisheries Science Center. Nat presented research on fish health contaminants in the region: " An update on NOAA-F stormwater science in Puget Sound". ([event page](#), [meeting recording](#))
- Presented current work at the PNAMP Steering Committee and StreamNet Executive Committee joint session November 8-9, 2023 and contributed updates on FMWG collaborative tasks PNAMP and StreamNet manage together
- The FMWG Core Team met in October, November, and December to plan and coordinate future work, discuss task progress, and develop agenda for January meeting
- Symposium abstract accepted for 2024 WA/BC and Idaho Chapter Annual Meeting

In Progress

- Planning for FMWG Quarterly Meeting (January 18, 2024), [event page](#)
- Presentation being developed for the PTAGIS Workshop focusing on PIT tag array data management and analytical approaches for PIT Tag data (Stevenson WA January 30-February 1, 2024)
- Gathering speakers for a PNAMP, StreamNet, Fisheries and Oceans Canada-hosted symposium at the 2024 WA/BC and Idaho Chapter Annual Meeting (April 29-May 2, 2024)

MonitoringResources.org

Accomplishments

- Reviewed, provided feedback, and finalized 8 methods from October 1st – December 31st, 2023
- Reviewed, provided feedback, and finalized 3 protocols from October 1st – December 31st, 2023
- Updated the [Methods Learning Module](#)
- Finalized the development work on cleaning up the user interface and released this work to the production site
 - Hid comments on all published/finalized content
 - Made the drop-down arrows large and more noticeable for easier metadata discovery
 - Updated "[Training Resources](#)" page to house training videos and training documents all in one place
 - Made captions mandatory for all figures and forms
- Continued to make updates to the "Actuals" documentation in the Sample Design tool
 - Corrected the help text on validating data collection events
 - Updated the import CSV functionality
- Met regularly with BPA staff to walk through and discuss MonitoringResources.org development progress in FY24 and prioritize future development
- Coordinated biweekly meetings with ESA Sitka to discuss current and future development

- Met regularly 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, IDFG, WDFW, Confederated Tribes of the Colville Reservation, and the USGS

In Progress

- Assisting project sponsors interested in MonitoringResources.org guidance with one-to-one webinar sessions
- Putting together a virtual MonitoringResources.org training/orientation walking through the BPA Workflow for CORs
- Updating layers in MonitoringResources.org and the Monitoring Explorer map to align with NPCC
- Reviewing and finalizing template DELVE protocols
- Creating a tutorial video on how to validate actual sampling locations
- 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
- Documenting existing and established methods not yet present in MonitoringResources.org
- Collaborating with Canada DFO to develop an AI-assisted metadata library to support the documentation of monitoring protocols and methods and the identification of existing content
 - Describing and structuring existing metadata and knowledge in order to generate templates for more efficient and detailed future documentation in addition to creating a framework that allows for easier and more accurate metadata discovery
- 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

- How do we make the Monitoring Explorer map more user-friendly?
- 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?

[Remote Sensing Forum](#)

Update

- The Remote Sensing Forum Core Team welcomed two new members, Nick Wagner (Foresight Drones) and Alex Arams (Cramer Fish Sciences) and said goodbye to Richie Carmichael (Biomark).

In Progress

- Planning for the winter RSF webinar is continues. The webinar will feature a panel discussion of current regulatory standards, navigating permission and operational issues at the state, local, tribal, and private level, and address what’s to come in the future and how we can better work together and harmonize our standard practices given current regulations/limitations.

[Stream Habitat Metric Integration Project](#)

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.

[Steering Committee Meeting Series](#)

Accomplishments

- Highly successful collaborative hybrid StreamNet Executive Committee and PNAMP Steering Committee meetings were held November 8-9, 2023, in Portland, OR ([event page](#))
 - [November 8th Notes](#)
 - [November 9th Notes](#)