



# PNAMP Quarterly Status Report

## Jan – Mar 2023

### Coordinated Assessments Partnership & HCAX Project

#### Accomplishments

- The first version of the HCAX Data Exchange Standard (DES) is currently being tested for data flow. StreamNet staff are leading a small group of data providers to test to identify any needed changes, find small errors and overlooked items, etc. More details available from the HCAX events page: <https://www.pnamp.org/project/hatchery-data-sharing-hcax>
- During the StreamNet Steering Committee meeting, EPA funded data stewards (IDFG, WDFW, ODFW, CCT) and the CAP co-leads (PNAMP and StreamNet) discussed progress in preparing for data flow testing using the pilot HCAX DES (access 20-21 Feb 2023 meeting agenda, slides, and meeting notes from the document table <https://www.streamnet.org/committees/sn-steering-committee/>).

#### In Progress

- Preparing for CAP Workshop April 12-13, 2023
- Presentation to WA GSRO Salmon Recovery Conference April 18-19, 2023. Presentation title "Shared Data for a Shared Future" <https://rco.wa.gov/salmon-recovery/salmon-recovery-conference/>
- Finalizing the standardized dropdown lists for hatchery facilities/stocks/programs, defining database fields, and ensuring validation roles are consistent with the DES.
- Testing the data exchange between IDFG/WDFW/ODFW/CCT and StreamNet HCAX.
- Planning for the last HCAX meeting to report out on outcomes of pilot test and refinements to DES.

### Coordination and Communication

#### Accomplishments

- Completed January, February, and March newsletters
- Participated in the StreamNet Steering Committee meeting
- Hosted PNAMP Steering Committee Meeting, including focused discussion with Canadian colleagues Mark Saunders, Director of the International Year of the Salmon, and Tom Bird, CA DFO, around collaboration across borders
- Published the [PNAMP 2022 Annual Report](#) to PNAMP.org

#### In Progress

- April and May newsletters in preparation
- Seeking relevant topics that would be a good fit for a story in the PNAMP Newsletter, contact Sam Cimino ([scimino@usgs.gov](mailto:scimino@usgs.gov))

### CRBRP Toxics Monitoring Subgroup (TMS)

#### Accomplishments

- March 23, 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, we reviewed the purpose of the TMS, the TMS meeting schedule for the next year, and the tasks that the Core Team, with help from TMS members, will work on in the coming year.

- Tasks came from TMS meeting participant feedback over the last couple of years and were identified as the top priorities at the December 14, 2022, TMS meeting. The tasks are 1) Identify data gaps and areas of synergy for sampling and data management, 2) Develop recommendations for common collection and analytical methods to enable cross-project data comparisons, and 3) Discuss and agree on screening values/thresholds for specific constituents to be monitored.
- To support the subgroup’s goal to provide a forum to exchange toxics monitoring information, discuss challenges, and coordinate monitoring activities, the meeting featured five lightning talks from subgroup members.
- A link to the meeting recording is available by request.

### In Progress

- Currently, the Core Team is meeting every other week to discuss and work on tasks, including:
  - Preparations for an update to be shared with the Columbia River Basin Restoration Program Working Group Meeting, which is scheduled for May 31, 2023.
  - Development of a matrix of who’s doing what where to support collaboration.

## Data Management and Sharing Best Practices – Data Visualization

### Accomplishments

- Participated on the CDI Data Visualization Collaboration Area organizing team to implement quarterly webinar series. The March 21, 2023, webinar was attended by at least 135 people. Featured presentation by Allison Horst (Observable) *Fast, fun, interactive data visualizations in JavaScript with Observable Plot* ([abstract here](#)). The webinar recording is available via SharePoint to CDI Data Visualization Collaboration Area members only – all are welcome, [here’s the form to join](#).

### In Progress

- Participating on CDI Data Visualization Collaboration Area organizing team to plan upcoming webinars.

## Fish Monitoring Work Group

### Accomplishments

- The full work group convened for updates on tasks and a Tech Talk from Brian Maschhoff (Salmonetics) on *PiThy: PTAGIS for the Unwashed Masses* on January 19, 2023 ([event page](#), [meeting recording](#))
- The FMWG project updates were presented to the StreamNet Steering Committee on February 22, 2023
- The FMWG Core Team met in January, February, and March to do progress updates, plan, and coordinate future work
- Task Teams Updates:
  - Carrying Capacity Standards
    - Draft best practices document developed by Task Leads
  - Fish Population Names and GIS Boundaries
    - Draft final product in review
  - Juvenile Density (Snorkeling and Electrofishing)
    - Task Leads met in January, reviewed tools in development
    - Task Team received a request for data to support Dan Isaak’s application of the FDAT model using partner data. Call was sent to FMWG in March. Dan Isaak is currently analyzing these data.
  - Rotary Screw Trap Data Collection
    - Will resume in late spring

- In May, Nancy Leonard/StreamNet will discuss RST mapping tool with task leads to determine potential collaboration
- Data Display Implementation
  - PSMFC is in the process of implementing changes recommended by the task team (and approved by the StreamNet Executive and Steering Committees)
- PIT Array and Related PIT Tag Analysis
  - Task leads met once in February and twice in March to discuss task development
  - Coordinating potential discussion at Western Division/Idaho American Fisheries Society Meeting in May

### In Progress

- Planning for upcoming task team meetings for PIT Array and Related PIT Tag Analysis and Rotary Screw Trap Data Collection
- Planning for FMWG Quarterly Meeting (April 20, 2023), [event page](#)

## [MonitoringResources.org](https://MonitoringResources.org)

### Accomplishments

- Finalized and provided feedback to 10 protocols and 19 methods from January 1 to March 31, 2023
- Developed and released the [BPA Workflow](#) which simplifies documenting content (Study Plans, Protocols, Sample Designs) in MonitoringResources.org for users with a BPA contract
- Presented a Project Spotlight on MonitoringResources.org to the PNAMP Steering Committee at the February Steering Committee meeting which included our new collaboration with CA Department of Water Resources' DELVE tool, the new BPA Workflow, and the Data Discovery updates via MonitoringExplorer.org
- Coordinated weekly/biweekly meetings with ESA Sitka to discuss current and future development
- Coordinated monthly meetings with BPA COR and BPA subject matter experts
- Coordinated with BPA staff to determine priorities for 2023 development
- Coordinated with StreamNet technical team and StreamNet Steering committee members to determine the next steps for StreamNet data linking to Monitoring Resources metadata
- Presented a quick background on the linkages of MonitoringResources.org Study Plans and BPA project numbers at the StreamNet Steering Committee meeting
- Provided one-to-one guidance and assistance to MonitoringResources.org users at WDFW, Nez Perce Tribe, BPA, Confederated Tribes of the Warm Springs Reservation, ODFW, and IDFG
- Updated [training modules](#) specific to documenting methods, protocols, sample designs, and study plans

### In Progress

- Coordinating with ESA Sitka to update the navigation on MonitoringResources.org to simplify the tools for users, update the security, complete bug fixes of the tools
- Creating a Delve/MonitoringResources.org protocol template
- Reviewing template DELVE protocols
- Coordinating one-to-one meetings with CA Department of Water Resources users for specific user support guidance
- Assisting project sponsors interested in MonitoringResources.org guidance with one-to-one webinar sessions
- Creating new [training videos](#) instructing new users on how to document their metadata with the new BPA workflow in MonitoringResources.org
- Creating virtual training sessions to demonstrate the BPA Workflow and a training session to BPA CORs on MonitoringResources.org basics
- Creating a "Getting Started" module for MonitoringResources.org guiding new users on the best approach to documenting their metadata

- Updating the MonitoringResources.org Guidance Document
- Drafting a focused survey of MonitoringResources.org users to gather feedback
- Continuing to investigate how to reuse MonitoringResources.org, StreamNet, and CBFish.org data into a standard metadata format
- Updating the MonitoringResources.org database schema, sharing the schema, and determining what can be pulled via the API to create a graph database

#### Outstanding Issues

- 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

- RSF listserv has grown to 73 members.

#### In Progress

- With Lauren Burns (Ecofish Research), planning the April 6, 2023, RSF quarterly meeting. Featured presentations by:
  - Dr. Sarah Hoffmann (Merck Animal Health): *Smart Salmon Database: A collaborative platform for salmon habitat data sharing and insights* ([abstract here](#))
  - Chris Crosby (OpenTopography): *OpenTopography: Enabling Access to High Resolution Topography* ([abstract here](#))
- Planning the next quarterly RSF meeting for July 12, 2023.
- Establishing an email discussion group
  - Email everyone in a group with a single email address
  - Share remote sensing events, papers, and news
  - Ask a question, get responses from the community
- The RSF Organizing Committee continues to work on drafting an entry level remote sensing best practices document.

## Stream Habitat Metric Integration Project

#### Accomplishments

- Task leads met bi-weekly to complete products and develop work plan for future

#### In Progress

- Final draft of the Methods and Techniques report is in final co-author review stage
- Issues with the workflow to combined data have been resolved. Code is being updated currently and will be published to GitLab soon.
- Dataset will be finalized once code is updated. Dataset will be published to ScienceBase soon.

## Steering Committee Meeting Series

### **Accomplishments**

- Organized and facilitated the February 8, 2023 PNAMP Steering Committee Meeting ([event page](#), [meeting notes](#)) which included focused discussion with Canadian colleagues Mark Saunders, Director of the International Year of the Salmon, and Tom Bird, CA DFO, around collaboration across borders.

### **In Progress**

- Planning for the June 2023 Steering Committee Meeting