



# PNAMP Quarterly Status Report

## Oct - Dec 2022

### [Coordinated Assessments Partnership & HCAX Project](#)

#### Accomplishments

- HCAX Project Workshop 2 November 10, 2022. This workshop accomplished our objective to review the draft HCAX Data Exchange Standard (DES) with all interested parties. This step in the project enables the pilot testing phase of implementation data exchange for hatchery indicators with the Coordinated Assessments data system. [Link to Workshop Materials](#)

#### In Progress

- Preparing for pilot implementation and testing of data flow

### Coordination and Communication

#### Accomplishments

- Completed October, November, December newsletters
- Coordinated with StreamNet to sponsor the 2022 Emerging Technologies Information Sessions
- Participated in the FINS Steering Committee meeting
- Provided briefing for Mark Saunders, Director of the International Year of the Salmon

#### In Progress

- February and March Newsletters are 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))

### Data Management and Sharing Best Practices – [Data Visualization](#)

#### In Progress

- Participating on CDI Data Visualization Collaboration Area organizing team to plan upcoming webinars. Next webinar is tentatively planned for March 21, 2023 with Allison Horst of Observable presenting "From ggplot2 to Plot for web-based interactive data visualizations"

### [Emerging Technologies Information Sessions](#)

#### Accomplishments

- Communicated with event speakers, sponsors, and attendees leading up to the event as needed and answered questions that arose.
- Updated the [event page](#) on pnamp.org as needed
- Hosted the Emerging Technologies Information Sessions Hybrid Event in Hood River, OR November 14-16, 2022
  - The event was attended by 183 people from 69 organizations
  - About 84% of attendees were from the Pacific Northwest, the remaining 16% came from AK, CA, NH, NV, NY, MI, Canada, Belgium, and Taiwan
  - 101 people attended in person and 82 attended virtually
  - 52 of the 183 participants gave presentations
- Uploaded recordings of all presentations to YouTube and made them available to conference attendees through the Sched platform.

- Sent event evaluation survey to attendees.

## Fish Monitoring Work Group

### Accomplishments

- The FMWG project refresher, updates, completed tasks, and PIT tag task interest scoping with priorities survey was presented to the full Fish Monitoring Work Group on October 20, 2022 ([event page](#))
- The FMWG Core Team met in October, November, and December to do progress updates, plan, and coordinate future work
- Task Teams Updates:
  - Carrying Capacity Standards
    - Task Leads working completed outline of best practices document and gathering sections from other authors
  - Fish Population Names and GIS Boundaries
    - Task Leads working on proof of concept for bull trout
  - Juvenile Density (Snorkeling and Electrofishing)
    - Task Leads met in November to plan for task group meeting
    - Task group met on December 6 ([event page](#)) for update on dtat standards guidance document and a presentation from Dan Isaak (US Forest Service) of “The Fish Density Analysis Tool (FDAT): Applying Spatial Stream Network Models to Juvenile Chinook & Steelhead Datasets”
  - Rotary Screw Trap Data Collection
    - Renewed interest, task follow-up will occur in early 2023
  - Data Display Implementation
    - Task completed October
  - MAFAC and NPCC SPI
    - Task Summary finalized in October ([link](#))
  - PIT Array and Related PIT Tag Analysis
    - Task had been flagged for interest in 2021, leads presented an overview of potential task at the October full FMWG meeting
    - Coordinated with Gabriel Brooks (NOAA) to collaborate with the PITAGIS IPTDS; Gabriel presented a brief overview of the Instream PIT Tag Detection System (IPTDS) Steering Subcommittee at the October 20<sup>th</sup> meeting
    - Survey was also distributed on October 20<sup>th</sup> to determine focus areas

### In Progress

- Planning for upcoming task team meetings for Carrying Capacity Standards to collate input on best practices document and request sections from other authors; Juvenile Density (Snorkel and Electrofishing), Rotary Screw Trap Operation, and Fish Population Names and GIS Boundaries will continue to work on products in 2023
- PIT Array and Related PIT Tag Analysis task team to kick off in 2023
- Planning for FMWG Quarterly Meeting (January 19, 2023), [event page](#)

## Intensively Monitored Watersheds Forum

### Accomplishments

- Met with core team on October 4 and November 1, 2022 to discuss survey results and feedback from the September 13, 2022 PNAMP IMW Forum meeting. Discussed goals and objectives for next IMW workshop. Identified potential people to help with workshop planning and execution.
- Worked with WA GSRO staff to develop a [storymap](#) for the 2022 State of the Salmon report highlighting findings from the IMW Management Applications Synthesis.

## In Progress

- Recruiting a small group to serve as the planning committee for next IMW Workshop.
- Working with PNW IMW principal investigators to produce new IMW factsheets for individual IMWs and updating the PNAMP IMW website as factsheets are completed.

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

### Accomplishments

- Finalized and provided feedback to multiple protocols and methods from October 1 to December 31, 2022 including methods linked to CA DWR DELVE protocols
- Coordinated Bi-weekly meetings with CA DWR subject matter experts to help document their metadata in MonitoringResources.org
- Coordinated weekly meetings with ESA Sitka to discuss progress on current development tasks
- Coordinated monthly meetings with BPA COR and BPA subject matter experts
- Met virtually one-to-one with: CA Department of Water Resources, ODFW, IDFG, and Confederated Tribes of the Colville Reservation users for specific user support guidance
- Updated MonitoringExplorer.org search functionality and speed
- Collaborated with ESA to update the MonitoringExplorer.org Data Collection event pop-up box to provide the best and most relevant information
- Updated [training modules](#) specific to documenting methods, protocols, sample designs, and study plans
- Created a training video concerning “Adding a Colleague in MonitoringResources.org”
- Coordinated with StreamNet to do a kick-off presentation for the StreamNet technical team to scope improvements to linking coordinated assessment project numbers and MonitoringResources.org Study Plan URLs to the DES for the Data Store
- Revisited with the StreamNet technical team to better understand the difficulties and next steps involved with linking project numbers with MR study plans
- Coordinated with BPA staff to determine priorities for 2023 development

### In Progress

- Coordinating with ESA to create a BPA workflow to simplify documenting content in MonitoringResources.org for users with a BPA contract
- 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
- Coordinating with BPA staff to identify which priority development ideas we address next
- Creating a Delve/MonitoringResources.org protocol template
- Reviewing template DELVE protocols
- Assisting project sponsors interested in MonitoringResources.org guidance with one-to-one webinar sessions
- Creating a “Getting Started” module for MonitoringResources.org guiding users with BPA contracts 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

### 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

### **In Progress**

- Planning the next quarterly RSF meeting for early 2023.
- The RSF Organizing Committee continues to work on drafting an entry level remote sensing best practices document.

## Stream Habitat Metric Integration Project

### **Accomplishments**

- Submitted manuscript to EMA – lessons learned and recommendations to large long term monitoring programs for improving data access
- First draft of the report to document methods, controlled vocabulary, and data exchange specifications in review by project partners
- First draft of documentation of code used to generate the integrated dataset and metadata published in MonitoringResources.org in review by project partners

### **In Progress**

- Outreach and communication to outline a work plan for the future of this project
- Continued improvements in the workflow to combine data

## Steering Committee Meeting Series

### **Accomplishments**

#### **In Progress**

- Highly successful collaborative in-person StreamNet Executive Committee and PNAMP Steering Committee meetings were held September 21-22, 2022, in Portland, OR ([event](#))
  - [September 21, 2022, Notes](#)
  - [September 22, 2022, Notes](#)