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## StreamNet Steering Committee Meeting Agenda February 20-21, 2024

### Action Items:

- 2024 HCAX final workshop scheduled for May 21st, 2024, 10:30-12:30 (link for details)
  - SN SC: Data use agreement draft to be returned by April 15th
  - Greg and Mari: Query development/mockup by workshop
  - Jake ODFW: send 10 to 12 records for all tables to inform the query mock up
  - Mike: XML schema done by August 1
  - Jen will check into GSRO final report. Nancy to coordinate with Jen on what she submits to GSRO so syncs up with Nancy's report to GSRO
- FMWG: New task starting this summer: "Update CAP Terms and Definitions"
- SN Website: Data Update Estimates page text will be updated by Mari and links to the page will be added
- SN TT: Jake has examples of BestValue duplication and will send to Mari and Mike
- QA/QC: Greg will update the tool and present the modification at winter/spring 2025 SN SC meeting
- BPA Annual Report: Return draft reviews to Mari by 3/5
- Provide Jen and Mari will CAP Toolkit ideas/items to share.

### Meeting Material:

- [Slides](#)
- [DUA/DSA word document of website](#)
- Draft BPA Annual Report (file sent via email)

Day 1: February 20, 2024 1:00 - 5:00 pm	
TIME	AGENDA ITEM
1 PM	Welcome and introductions (Mari Williams)
1:15	Spotlight ODFW Courtney Zambory courtney.zambory@oregonstate.edu
1:45	HCAX updates (Mike Banach, Jen Bayer, Mari, Greg Wilke)
2:15	Fish Monitoring Work Group Task (Meg Dethloff)
2:30	Break
2:45	StreamNet webpage updates (Mari)

<b>3:00</b>	<b>Member Updates</b>
<b>5:00</b>	<b>Break for evening</b>

Day 1: February 20, 2024

1:00 - 5:00 pm

Welcome and introductions (Mari Williams)

Attendees:

Russell Scranton (BPA), Kris Homel (NPCC), Cedric Cooney (ODFW), Jake Chambers (ODFW), Chris Harrington (IDFG), Evan Brown (IDFG), Todd Gilmore (USFWS), Sheryn Olson (CRITFC), Angie Schmidt (IDFG), Kurt Tardy (SBT), George Batten (ESA for Colville Tribes), Dawn Anderson (MFWP), Michelle Groesbeck (WDFW), Tami Wilkerson (CRITFC CBFWL), Nadine Craft (ODFW), Kasey Bliesner (ODFW), Leslie Sikora (WDFW), Brady Allen (BPA), Brodie Cox (WDFW), Jen Bayer (USGS/PNAMP), and Meg Dethloff (USGS/PNAMP)

**StreamNet/PSMFC staff:** Nancy Leonard, Mari Williams, Mike Banach, Greg Wilke, Monica Diaz, Kate Al-Sheikhly, Van Hare, and Lara Erikson.

1:15 Spotlight ODFW

Summary of presentation (details are on slides):

Project to develop a decision support tool to inform ODOTs prioritization of culvert repair and restoration that applies a prediction method for native migratory fish presence at small culverts. It is a collaborative effort between Oregon Department of Fish and Wildlife and the Oregon Department of Transportation. The tool aims to assess whether these small culverts across the state would trigger a fish passage law and require fish passage. ODOT has been using it as a scoping and planning tool.

Built using Python in backend and with ArcPro GUI; R package BioMod

Code and toolboxes can be requested from ODOT or from Courtney Zambory (ODFW)

courtney.zambory@oregonstate.edu

**1:45 HCAX updates (Mike Banach, Jen Bayer, Mari, Greg Wilke)**

The final HCAX workshop has been scheduled for May 21st 2024, 10:30-12:30 (virtual only). This will cover data flow process, query draft/mockup, updating the data use agreement, and finalizing the report to wrap the grant up by the Aug 30<sup>th</sup> deadline. Jen will check into GSRO final report requirements for the overall grant (each subawardee has individual reporting requirements also). Nancy to coordinate with Jen on what she submits to GSRO so syncs up with Nancy's report to GSRO.

Documentation of metadata deliverable is the documentation of the requirements standard. That deliverable will be part of the sharing of the Data Exchange Standard document which includes fields that capture metadata and any other descriptive metadata required by EPA on the data system developed.

ODFW has some records ready to send, MFWP is ready, WDFW is working on it, IDFG is working on it, and Colville is 90% ready to go.

**2:15 Fish Monitoring Work Group Task (Meg Dethloff)**

Active task teams: Carrying Capacity Task Team will have the manuscript for peer review journal completed by the end of the year. PIT Tag array data and related data analysis task will focus on providing assistance to partners for documenting and using current data management and analytical methods and tools for PIT tag array data. Juvenile density and electrofishing tasks are complete. New task initiated in response to 2024 CAP Workshop task: “Update CA Terms and Definitions Task” is under development as a top priority. RMIS folks are doing a similar exercise with CWT terms and definitions.

#### **2:45 StreamNet webpage updates (Mari)**

Estimated data update ranges were approved at the last StreamNet ExCom meeting. Group discussed some changes to the draft language and how to make the page findable to intercept questions about availability (such as a splash page like RMIS).

Acronyms across webpages are being translated. Mike is working to translate acronyms in downloads through the database table.

#### **3:00 Member Updates as provided via email**

**Cedric , ODFW**

**Angie/Evan, IDFG**

**Tami, CRITFC Library**

Linking coded wire data with fish regulations– need to go back to 1980’s

Electronic would be best – will have to hire to enter if not digital

Looking for old data (going back to 80s )

WA and OR are pretty much covered from info on web sites

Working with CA - doesn’t want historical regulations easily accessible – probably won’t be able to get information as far back as the 1980’s

Alaska is working on best way to share

Working with British Columbia – information is supposed to already be available online

Quarterly Report: publications and data releases (new/old data accessibility) newsletter

**Sheryn/Denise, CRITFC**

- **Personnel:** Bill Bosch retiring after 34 years at YNF – he will be sorely missed at the ITMD project. Clark Watry of NPT was promoted to manage a new invasive species program and Coho projects. Increasing Capacity –year One of the NOAA grant (FY2023) concluded; we hired a full-time CRITFC Data Systems Specialist and Yakama Nation hired a Klikitat Data Systems Coordinator with funds from the NOAA and the BPA grants.
- **TribalCDMS update:** YN (IMS/STAR) and CTUIR began developing Centralized Database Management systems (CDMSs) beginning in 2008, and provided resources to upgrade and maintain those systems, yet no funding was dedicated to **Tribal versions of the software until 2<sup>nd</sup> Quarter 2023**, made possible by ITMD’s \$400,000 two-year NOAA grant for CY2023-2024. For the “tribalCDMS” at CRITFC, CTWS and at NPT, there were years of delayed maintenance that was necessary. We spent the last year performing these intensive upgrades – including for

the back end tech stack – resulting in more efficient software development and maintenance processes. CDMS v3.0 upgraded the user interface, enhanced security measures, and improved performance.

- **New Workgroup!** The ITMD group began a “Metadata Improvement Workgroup” this month to collaborate on how to implement more and better metadata to better access and use our datasets.
- We are making slow progress, but also struggling to bring data systems up to current standards to begin to make datasets findable and accessible. The effort to make data FAIR and CARE needs an estimated 3 times as much funding as we currently have.
- **West Coast Ocean Alliance:** ITMD, CMOP, and CRITFC staff, and CRITFC member tribe staff are participating in the WCOA and the WCOA Data Portal development (very similar to NOAA Salmon Data Portal), as well as the very new Ocean Indicators website being developed by the tribal caucus. A major focus of the WCOA is offshore wind energy and ecological effects, Summit happening April 2-4th in California and virtually – all are welcome to attend. Contact Organizer Briana Goodwin, [bri@westcoastcoastalliance.org](mailto:bri@westcoastcoastalliance.org) for more info. WCOA has 11 member coastal tribes in the tribal caucus, and many OR, WA, CA state and federal agencies.

#### **Jen, PNAMP**

PNAMP Annual Report is nearly complete, will be shared in April.

Initiated new collaborative work with international Salmon Data Mobilization Work Group, including creating a [Research Data Alliance Interest Group](#) and developing an ontology to enable federation of data systems of interest to salmon research and management community beyond PNW.

#### **Todd, USFWS**

Our Regional Data Manager that was hired last summer has been focused on exploring options for a new hatchery database. Stay tuned for updates on possible options to explore.

#### **Kurt, Shoshone-Bannock Tribes**

The SBT have made significant progress in transition to full digital data collection. Every anadromous program has initiated and/or completed the construction of their digital data forms and has begun collecting data. The Sockeye/Bear Valley programs are fully functional with data collection, back-end reports, data dashboards, and CAX data entry. The current priority is to work on legacy data for upload of data sharing.

#### **Brodie Cox, WDFW**

Pikeminnow flutter app on catch data.

#### **Katie Barnas, NOAA**

Jen mentioned Katie is working on a presentation to update the data citation work and will be helping with updating the white paper on Data Citation and Attribution that was written with Mari, Jen, and Sheryn.

#### **Dawn Anderson, MFWP**

Current work

- 2023 Annual report - Ace working on final numbers
- Ace working on requested records review
- Hatchery records to submit
- Continuing our work on hydro conversion
  - Nearing the end
  - Working with our Fisheries division staff on testing a subset of data
- Yellowstone assessment data updates and reporting
  - At a recent Bighorn Wind Yellowstone GMU meeting, it was announced that they decided to move the data to the USGS system rather than WyGISC
- Increase in work related to Westslope cutthroat trout. A workshop was held recently in Missoula to discuss management of the State's brood stock to improve angling opportunities and prioritize conservation actions for the species
- Continuing to work on migrating outdated mapping apps to updated framework
  - Fish distribution mapping application needs scoping

#### Beyond StreamNet

- Internal mapping application rewritten and in beta mode - out for comment
- GPS Chip tool moved to ArcGIS Online Field Maps and is complete
- ArcGIS Pro transition is complete
- Moving to Arc Enterprise 11
- A lot of wildlife work. Preparation for 2024/2025 license year (March 1) and hunting seasons, regulations, wolf, grizzly bear
- Short-staffed again. Two open positions that are being recruiting for.
- We may (or may not) be moving offices this year

#### **George Batten, Colville Tribes**

- Our main focus recently has been finishing our work on the HCAX project. We are so, so close to crossing the HCAX finish line. Andrea Pearl and I have finalized and validated all datasets for the Chief Joe Hatchery, which is stored in our database. I tried to upload the data to StreamNet last Friday, but it did not go through. It seems that some backend work broke our API software, and our developers are working on resolving the issue. Hoping to pop the champagne corks very soon.
- I've also been working with Wes Tibbits, who runs our broodstock program, to finish up the 100-page annual report by running calculations and populating tables.

#### **Kris Homel, NPCC**

#### **Brady Allen and Russel Scranton, BPA**

#### **Nancy, StreamNet**

Creating more probably range maps – Following the approach developed by Van and Evan that was approved by the SN ExCom in 2023 to create draft maps to address the need to support CBfish map needs and will also support NPCC. The steering committee will review and approve the maps before they are considered final.

Work has begun on the fishing regulations database (funded by Pacific Salmon Commission) to bring the data base to PSMFC and create the user interface, looking at how to populate the content such as grabbing from existing data systems (e.g. WDFW), manually or other options. Regulations would be for salmonid species only – chinook and some coho are main targets. Will reuse as much as possible.

Also continuing to develop the Klamath Basin Fisheries Collaborative (KBFC) tag data system, currently focused on PIT tags and we are using PTAGIS as the model and using same fields to be interoperable. Others have approached us either because they are also building a PIT tag system and need a 'host organization' or want to build a PIT tag system. We encourage those to not recreate a new system, and stay aligned with PTAGIS and KBFC. Trying to not recreate systems!

Day 2: February 21, 2024 8:30 am - 12:30 pm	
TIME (Approximate)	AGENDA ITEM
9:00 AM	Welcome and introductions (Mari)
9:10	<b>Spotlight</b> Latest from NHD, <b>Tom Carlson</b> (USGS National Geospatial Program Liaison for ID, OR, & WA) tcarlson@usgs.gov
9:45	<b>Next StreamNET Steering Committee meeting</b>
10:00	<b>StreamNet Technical Team (Mike Banach)</b>
10:30	<b>Break</b>
10:45	<b>Data QA/QC task progress (Greg)</b>
11:00	<b>BPA Annual Report (Mari)</b>
11:30	<b>CAP Workshop Tasks (Jen, Mari)</b>
12:00	<b>Adjourn</b>

**Day 2: February 21, 2024**

**9:00 AM Welcome and introductions (Mari)**

**Attendance:**

Russell Scranton (BPA), Kris Homel (NPCC), Cedric Cooney (ODFW), Megan Griffiths (ODFW), Jake Chambers (ODFW), Chris Harrington (IDFG), Evan Brown (IDFG), Todd Gilmore (USFWS), Sheryn Olson (CRITFC), Angie Schmidt (IDFG), Kurt Tardy (SBT), George Batten (ESA for Colville Tribes), Dawn Anderson (MFWP), Michelle Groesbeck (WDFW), Tami Wilkerson (CRITFC CBFWL), Nadine Craft (ODFW), Kasey Bliesner (ODFW), Leslie Sikora (WDFW), Brady Allen (BPA), and Brodie Cox (WDFW)

**StreamNet/PSMFC staff:** Nancy Leonard, Mari Williams, Mike Banach, Greg Wilke, Monica Diaz, Kate Al-Sheikhly, Van Hare, and Lara Erikson.

**PNAMP/USGS staff:** Jen Bayer and Meg Dethloff

**9:10 Spotlight** (recorded) **Latest from NHD**, Tom Carlson (USGS National Geospatial Program Liaison for ID, OR, & WA) tcarlson@usgs.gov

Link to recording PNAMP STAFF PLEASE ADD ONCE ON YOUTUBE

**9:45 Next StreamNET Steering Committee meeting**

Dawn will be hosting in Kalispell Montana Prefers Sept because of travel and weather.

The group agreed Sept 16 and 17th with the idea that we start early the 16th (because people will arrive the 15th. Noon the 17<sup>th</sup> finish time for return travel.

### **10:00 StreamNet Technical Team (Mike Banach)**

SN TT meeting progress (Mike)

Meetings Oct 4 and Jan 10. Updated CA DDT membership. The group agreed TrendID will not change if trend is transferred to another provider. The group supports and recommended adopting a TimeSeriesID to the CA DDT. The use of BestValue can have multiple yeses within a CA HLI table for the same provider, population, and year, depending on data specifications available (PopFit, measurement locations, etc), but between methods for the same provider, population, and year should have only one best value. Next technical meeting is March 14

### **10:15 Data QA/QC task progress (Greg)**

Summary of presentation (details are on slides):

Most QA/QC issues are broken or incorrect URL. We saw some spelling problems or inconsistencies in names of water bodies. But didn't find any incorrect data. When find an error often that error applies to multiple records. In general, it took about 16 minutes to review each record. The majority of records reviewed in less than 18 minutes although some took much longer.

Greg thinks we are done working on this for the year, will invest time over this next year in modifying the tool for presentation at the winter/spring 2025 SN SC meeting prior to next round of reviews. Good timing for people with the addition of time series IDs.

### **11:00 BPA Annual Report (Mari)**

The group discussed recommendations include a broader group of data categories such as:

- Secure funding
- Enhance and maintain access
- System of record
- State and tribal data management

The group also discussed the divide between recommendations and lessons learned and recommended that we include the date added for each. Program review is by the ISRP. BPA staff is the primary audience for review and recommendations. Need to have clear statements about not being to complete a task because of underfunding. Goal from BPA is to keep report simple – recommendations for funding or changes should be in a summary.

Mari will send out the draft report after the meeting. Mari will try and flag the sections that need attention by specific people.

Make sure to share budget info with Nancy – leftover funds, roll over needs, etc.



Due Date	Item
Feb 16	✓ Webform populated by funded members
Feb 19	1st draft report sent to SN SC members
March 5	Non-webform content from external partners
March 5	Input from SN SC members on 1st draft
March 12	2nd draft report sent to SN SC members
March 25	Final input from SN SC member due
April 1	Final report submitted to BPA and sent to SN SC members

### 11:15 CAP Workshop Tasks (Jen, Mari)

Most of plan came from 2023 workshop – 60+ people provided feedback. It will be multiple years’ worth of work. Improvements to SN/CAP HLI User interfaces: remove acronyms, data dictionary, Dynamic Data system explanation. The PNAMP FMWG will initiate a Terms and Definitions Task Group. StreamNet staff already doing some of the recommendations. The long term goals of videos to help users navigate Coordinated Assessment. Also looking into shorter term recommendation of videos to make to help provide essential info to users. (how to filter, etc, how to use the data time series that will be added). We want to raise awareness on best use of CAX, using videos and tutorials, git sites, PNAMP websites, Jupyter notebooks, Quarto, and how to connect to monitoring resources.

ODFW has a document they are willing share that can help share and translate data – Megan Griffiths with ODFW is happy to work with anyone interested in learning - while she is with ODFW (limited term employee) and with supervisor approval for time availability.

Edits incorporated from Nancy, Jen, none from Evan,

<b>Due Date</b>	<b>CY2022 Annual Report</b>	<b>HCAX</b>	<b>FY24-25 budget and SOW</b>
Feb 16	Webform populated		
Feb 22nd	1 <sup>st</sup> draft report emailed out	Data Sharing/Use Agreement draft emailed to group	
March 5th	Non-webform content from external partners		
March 5th	Input from SN SC members on 1st draft		
March 12th	2nd draft report sent to SN SC		
March 25th	Input on 2 <sup>nd</sup> draft from SN SC due		
April 1st	Final report submitted to BPA & SN SC		
April 15th		DS/UA Review due	
May 1st		DS/UA emailed for final review	
May 6th			Confirm with Nancy status your FY24 budget and any revisions to your FY25 budget
May 10th		DS/UA final review due	
May 21st		HCAX Final Workshop	
June 3rd			Nancy submits revised budget FY24/FY25 to BPA
Aug 30 <sup>th</sup>		End of EN Grant Contract	
Oct 1st			Start of FY25 <u>Time&amp;cost</u> amended contracts; Except MFWP receives a new contract