

## StreamNet Steering Committee Meeting

### Draft Notes

Sept 2, 2021

9:00 AM to 1:00pm (PT)

### Agenda

- 9:00 Welcome and Introductions
- 9:15 HCAX Progress
- 9:30 Fish Monitoring Work Group's Task Groups Updates
- 10:00 StreamNet/CAP Teams
- 10:15 Stretch Break
- 10:20 Data Quality – GIS Data followed by CAX HLI Data QA/QC Review
- 11:00 NPCC Salmon and Steelhead HLI Task Request Update
- 11:20 StreamNet Program Budget High-Level Update
- 11:30 Steering Committee Member Updates (verbal updates)
- 1:00 Adjourn

### Attendees

PSMFC - StreamNet: Mike Banach, Van Hare, Nancy Leonard, Greg Wilke.

Colville Tribes: John Arterburn, George Batten (Sitka Technology Group).

CRITFC: Denise Kelsey and Sheryn Olson (ITMD), Tami Wilkerson (CRITFC Columbia Basin Fish and Wildlife Library).

IDFG: Evan Brown.

ODFW: Cedric Cooney, Nadine Craft

MFWP: Dawn Anderson.

WDFW: Brodie Cox. Leslie Sikora

BPA: Tom Pansky, Matthew Schwartz, Russell Scranton.

NPCC: Kris Homel, Leslie Bach

NOAA: Mari Williams.

PNAMP: Jen Bayer.

NPCC contracted data stewards: Neil Ward, Binh Quan (QW Consulting).

YN Observer: Tom Iverson

### Action Items

**PSMFC StreamNet staff** will present the suggested approach for implementing these recommendations to the StreamNet Executive Committee during their meeting next week to receive their input before moving forward with implementation.

**All Steering Committee members** please check with your DDT members to nominate folks and have someone in place by October **to be the first co-chair for CAP DDT**

**Nancy** will send out Doodle poll for Feb 28-March 18, focusing on Wednesdays and Thursdays

**Cedric** will share the new ODFW standardized data sharing agreement with Nancy and the group

### Meeting Documents

- Agenda
- PowerPoint slides

*The Agenda and PowerPoint presentation for this meeting will be posted on the StreamNet website along with these meeting notes.*

## **Welcome and introductions**

All attendees were asked to enter their contact info into the chat function on MS Teams.

## **HCAX Progress** (see meeting slide deck for details)

Jen Bayer provided an update on tasks accomplished to-date and upcoming HCAX Biologist Work Group meeting on September 15, 2021. This will be the second work group meeting, first meeting was held in June 2021, and will involve break out groups to review revised product and discuss proposed pick lists, expect some work group to meet after the meeting to finish reviewing the product. After which we expect to have one additional follow-up meeting before the Biologists finalize product then pass on to data managers work group to develop data sharing rules and procedures

## **Fish Monitoring Work Group's Task Groups** (see meeting slide deck for details)

Russell provide an overview of the Fish Monitoring Workgroup Group and the active task groups, including one that has completed its work, two that are about to start (Smolt Equivalent, and Fish Populations Names and Boundaries), and another two that are in-planning (Carrying capacity DES, and Snorkel & electrofishing DES).

- Task group on Clarify "smolt equivalent" to improve the CA DES is co-led by Mike Banach and Russell Scranton. The initial meeting planned for Fall 2021. The end product will be recommendations to CAP DDT for improvements to the definition and fields.
- Task group on Fish populations names and boundaries is co-led by Van Hare and Evan Brown. First meeting in late September/October with date to be selected with task team volunteers via doodle poll. The focus of this group is to define fish population names and boundaries (e.g. non-ESA bull trout, white sturgeon) and provide recommendations to be used by PSMFC-StreamNet tools for more effective communication of data.
- Task group on Data Display on CAP Fish HLI tools (CAX) was co-led by Tom Iverson and Nancy Leonard. This group has completed its task and has provided recommendations for StreamNet's consideration to Improve how information on the CAP Fish HLIs query is conveyed, with specific focus on: Populations with no HLI estimates, HLI estimates for groups of populations, and HLI estimates for partial populations. Greg Wilke, summarized the recommendations received and how StreamNet proposes addressing these recommendations, which is as follows:
  - for the general recommendations, StreamNet proposes removing "Non-TRT" in population names and keep the ESA status field, and using the new tabular version of the mapper query, providing a filter for HLIs data categories and provide additional filters to sort content.
  - for subpopulation HLIs data, StreamNet proposes continuing to have these HLIs displayed along with the population scale HLIs data, but improving the content by adding a label to clearly identify the subpopulation scale and to sort the estimates so that the population scale estimates appear at the top of the list.
  - for populations without data, StreamNet will add content about status of data availability for that population some standard way to communicate this info was suggested by the task group such as
    - Extirpated, no data available; Monitoring exists but data are not currently available on this site and provide the user information about where these data can be accessed.
  - for superpopulations and other groupings, StreamNet will separate out HLI estimates for 'superpopulations' or other approved groupings from the population/subpopulation estimates, such as the existing superpopulation groups and the MAFAC groups. To ensure that the groupings/naming is intuitive StreamNet will be testing options in the near future.

If you are interested in participating in the FMWG or any of the task groups contact Jen or the task group leaders. Next FMWG Meeting is scheduled for October 21 10:00-11:30

## **DISCUSSION**

- *Question:* when are the FMWG Task group meetings? And who is invited? The Bull trout naming task is of great interest. *Response:* Anyone is welcome to attend. We have a list of people who volunteered last

spring but we know it may be out of date so we know we need to let others know when tasks get moving. We anticipate inviting all DDT members. when we send the invite out the invite will be open for all to participate.

- *General comment,*
  - Sound like good steps forward to me. Allows better access to everyone' everyone's information. [9:48 AM] tom p (Guest)
  - Not simple, for sure. Yet terribly valuable work seems to me.
  - Nice work Greg. Look like great continuous improvements!
- *Comment on the #3 Population without data recommendations for data display:*
  - I like #3 on data display list. One of the questions that often comes up
  - Be careful in the selected wording to not imply something that isn't intended such as the wording "Data is not Currently available" implies that is will be available shortly. Suggest rewording, maybe delete the word currently, and add another option something like: Estimation is in progress - contact \_\_\_\_
  - Identification of data availability will involve data stewards, tribal outreach, etc
  - -will not be available...ever
- *Comment on #4 recommendation for data display*
  - I like #4 as well. Enable display of superpops and other groupings under active discussion
  - yay for superpops display
  - How about a grouping such as "ESA listed"?
  - Will MPG groupings be included among the groups? And other groupings?
  - consider adding MPGs as a grouping.
  - If there are legally defined groupings include the legal definition and state the origin of that grouping.
  - perhaps the MAFAC grouping can be " "Covered in Council Program" maybe"
  - Superpops are not familiar to others
  - I did dive into the dictionary, and "superpopulation" is an accurate term. But that doesn't mean it's an easily-understood term.
  - As long as we provide a definition and display of superpops are we should be fine. It would be consistent with other SN and CAX terms.
  - Sometime Age Estimates are made for the MPG and then those go to the population as a population estimate
  - We have HLIs at the MPG scale and we have superpops that include MPGs
  - Steelhead DPS
- PSMFC StreamNet staff will present the suggested approach for implementing these recommendations to the StreamNet Executive Committee during their meeting next week to receive their input before moving forward with implementation.

#### **StreamNet and CAP Teams** (see meeting slide deck for details)

Mike reviewed the existing committees and teams. Highlighting topics to be addressed by the CAP DDT and the SN DDT/Tech teams.

- **Need to identify the first co-chair for CAP DDT!** Check with your DDT members to nominate folks and have someone in place by October

#### **DISCUSSION**

- *Question:* How does the Fish Monitoring Workgroup interact within the DDT framework? *Response:* That is described visually in the [Data Exchange Standard Development and Revision Procedures](#). Keep in mind that the FMWG has a broader scope than the CAP/StreamNet topics. Items with which the FMWG may

assist StreamNet/CAP can be identified by the SN ExCom, Five-Year Plan for the Coordinated Assessments Partnership, as well as the CAP DDT.

- *COMMENT SNTT TASKS*
  - Unique IDs are always a good idea in computer land I think
  - I [Tami] would love to join in on the submitting references discussion. And, hopefully, help create a streamlined process for it.
- *Question:* Are you planning on holding SN tech team meetings quarterly or on a schedule?  
*Response:* will determine frequency at next meeting but aim to have at least one per year so it is predictable and issues can be brought up that might not surface otherwise.

#### **Data Quality** (see meeting slide deck for details)

Van Hare shared the planned GIS updates for this coming year, specifically the fish distribution layers, population boundaries and fish monitoring survey locations. For all these updates partners will be given an opportunity to review. Van highlighted that when data and attributes are submitted to the Fish Monitoring Data (trends) using the API they also need to submit new spatial data separately. Spatial data requires some review which can be done using the new "Fish Monitoring Data" Query tool to review location data associated with a given Trend. Note parameterized URL.

#### **DISCUSSION**

- Is there a way to "version" the Fish Distribution layer annually to track changes over time?
  - Yes, and they are already being archived (in reality, not a very dynamic dataset). But need to caution with looking at differences between version since we don't want to imply causation to the changing distribution; there are differences in data definitions between the agencies which can impact the data display. *Comment:* Valuable to allow others to easily see what you have learned, Van. E.g., "not a terribly dynamic data set"
- Will you be summarizing the changes to data submission (tabular vs feature layers) and sending out to the group? It would be great for the tech team to know.
- NWHS Mike Sellsted for dam data update
- CA DES Appendix E, Defining new pops and SuperPops, p 58, excellent functionality
- There is a difference between historic species distribution and updates to distribution based on new data.
- Agreed, and there's a difference between historic fish distribution and historic fish HABITAT distribution.
- Thanks Van, more discussion for the GIS work group. One of my hopes is to help make the GIS polygon layer for the Focal species in the NPCC and BPA program based on the fish Distribution layer based on.

Nancy provided an update on the CAP Fish HLIs QA/QC plan that is in development. The draft plan identifies areas where QA/QC steps need to occur to maintain user confidence in the system; also highlights known problem areas and how to resolve them. Next steps include internal review by PSMFC StreamNet staff. Once completed the revised draft will be shared in October with SN SC members, CAP DDT, ITMD members for their input. Once we have solid draft we will also draft an implementation plan for CY22 and onwards and send that along with the revised document for review. We aim to finalize the plan and have a flexible implementation plan in early 2022.

#### **NPCC salmon and steelhead HLI task request update** (see meeting slide deck for details)

Mike reviewed the NPCC data request received in April 2021 (approved by SN ExCom in May 2021). Mike quantified the number of records available in StreamNet for HLI data per stock group, focusing on NOSA vs. escapement, whole vs. partial populations, and with jacks vs. without jacks. Mike also quantified the number of records available in StreamNet

for adult abundance trends for populations within the stock groups. The portion of the NPCC request related to data visualization was covered by the FMWG recommendations discussed earlier by Greg.

The metadata summaries were assembled for individual CAP populations. These individual populations were crosswalked to the CBPTF/MAFAC groups using our Superpopulations table. The CAP/StreamNet populations were also mapped to the MAFAC groups listed as an indicator in the 2020 NPCC addendum. The StreamNet list differs slightly from the NPCC addendum list. StreamNet has two extra populations: Cowlitz chum split in two; Okanogan spring Chinook native and reintroduced. StreamNet has no mid-Columbia Coho group. StreamNet has groups for mid-Columbia Sockeye, upper Columbia Coho, and Snake River Coho, but no populations are specified for these. We produced for NPCC an Excel file with the summary using existing data as of 8/20/2021. StreamNet has data for 17 of the 24 groups.

### **DISCUSSION**

- *Question:* Why are we missing data on 15% (3 of 24) of MAFAC population groups? Is it because there's been no monitoring, or just missing the connections (more work to do)? *Response:* Some of the groups are predominately hatchery fish so these aren't in our system. Once we have HCAX up and running data may flow for those population. This question also ties back to what Greg reviewed about adding context about the status of data availability. Once we get that done we will have a better understanding of why there is a data gap.
- *Response:* MAFAC stocks were still in draft form when they were adopted in the NPCC addendum, hence the differences in the number of stocks.

### **StreamNet Program Budget high-level update** (see meeting slide deck for details)

Nancy provide an overview of the funding source for StreamNet in FY22. The BPA funding is the same as in FY2019, with an amount of \$2,072,446 being allocated among Colville Tribes/Sitka, IDFG, MFWP, ODFW, WDFW, PSMFC. No other subcontracts can be supported in FY2022. In addition to BPA funding, PSMFC StreamNet also submitted a proposal for additional IJFA funding (\$87,254), which Stan Allen informed the group it was approved today. This IJFA funding will support SN-CAP Technical Support (Ray Beamesderfer), Shoshone Bannock Tribes data mgmt./flow, and PNAMP facilitation and coordination. The EPA-StreamNet funding received in 2021 continues to be available for FY22 and FY23 (\$194,814) and supports PSMFC staff and subcontracts with IDFG and ODFW. This EPA funding doesn't not include the funding subcontracted by WA RCO/GSRO subcontracts with WDFW, Colville Tribes, and PNAMP. Lastly, StreamNet about 4-months of StreamNet Program manager covered by other projects.

### **DISCUSSION**

- New BPA agreement should be awarded on time as usual.

### **SN SC members' updates and announcements**

- MFWP: Dawn Anderson
  - Fulfilling a lot of mapping requests from remote workers, working on hydro, supporting native trout work.
  - Provided online webinar on the fish distribution tool for MFWP Fish Biologists.
  - Genetics lab funding has been held up but working to get it in place before end of contract.
  - Would like to be involved in the Bull Trout population grouping discussions.
  - AIS continues to be important to MFWP as well as native trout work and management plan.
- WDFW: Brodie Cox
  - Hiring for Spawning Ground Data Manager and a Project Manager.
  - Migrating hatchery database to simplify and automate system and add mobile development component.
  - Hired 2 new mobile developers to deploy commercial fish ticket mobile solution (builds on PSMFC Fish Ticket).
  - Creating a FishID app for RecFin and a Pikeminnow reporting app.
  - Will be working to refine Fish Distribution updates.

- CRITFC: Sheryn Olson
  - Having discussions with NWIFC to see how they manage data from their member tribes to their shared data exchanges. Interested in discussing and learning from Brodie. *Response:* Yes, please reach out to me.
  - Working with their 4 centralized data management systems and looking at consolidating them into one core code; looking at an EPA grant to accomplish that work.
  - Developing Survey123 apps for data collection.
  - Carrying Capacity task team received a lot of comments/ questions: historic vs current, who is working with the group, what sorts of data are contributing, how will it influence policy, etc.
- CRITFC Library: Tami Wilkerson
  - Halfway through process of auditing StreamNet source documents to make sure they have physical and digital copies. *Comment:* Good progress on source doc cataloging Tami!
  - Library is still closed to the public but is offering full services.
  - Tami will let Cedric know when they are done scanning documents so that these can be picked up.
- IDFG: Evan Brown
  - Caught up on all CA and SN data submittals. Only exception is the RperS which will be updated soon.
  - Discussed addition of 'variant' name on populations. *Comment:* Maybe just "common name" then? Or "other names"?
  - Bekki is going back to grad school and has reduced her hours. Angie is serving as interim Bureau Chief.
- NOAA: Mari Williams
  - Hoping to have status viability report out by the end of the year.
  - SPS database has not been updated yet.
- ODFW: Cedric Cooney, Nadine Craft
  - Cedric returned mid-July.
  - Hired a temporary data assistant, working on HCAX HLLs and other plan goals. This position ends in September.
  - New system to submit trend data is up and running.
  - On track for submitting the data they have available. There are some missing metrics due to changes in monitoring funding.
  - ODFW has an open data strategy which resulting in a inventory of all datasets.
  - **Created a standardized data sharing agreement; Cedric will share the agreement with Nancy & the group.** The existing data sharing agreement between PSMFC-ODFW is not replaced by this new agreement. *Comment:* can you share the agreement? *Response:* will send template to Nancy to share with group.
  - Created their own biological information classification policy
- Colville Tribes: John Arterburn, George Batten
  - Focused on automating processes to estimate populations at site, reach, and stream level
  - Also working on Chief Joe hatchery data
  - *Comment:* You've been busy George. Thanks!
- USFWS: TBD
  - Doug Treloff retired, no new representative identified yet to serve on the steering committee.
- PNAMP: Jen Bayer
  - Workgroup meetings in September and October, will send out email info in advance
  - Will host a series of webinars this fall
  - Will call for abstracts for a 2022 emerging technologies conference
  - Will submit abstracts for the August 21-25, 2022 AFS meeting in Spokane
  - *Comment:* Maybe you can do fish and habitat together at AFS. *Response:* yes that's the idea. *Comment:* NW Environmental Data Network (NED) Portal was presented at AFS International in Ottawa. 2008 I think.
- NPCC: Kris Homel
  - Making progress on compiling strategy performance indicators and developing the program tracker.
- BPA: Russell Scranton, Matthew Schwartz, Tom Pansky

- Tom- push is to keep rates and expenses flat, next year's contract is waiting to be finalized, hope that budget can go up to where it was last year rather than at 2019 levels.
- Russell- continuing to map BiOp obligations, evaluating work plans and documenting relationships on how those commitments are getting met.
- StreamNet: Nancy, Greg, Mike, Van
  - New website is up and running. *Comment:* New website looks very nice to me. Agree, very easy to navigate. Yes, website changes are great.
  - Updated query tools; retired the integrated query.
  - Working on the tabular companion to the mapping tool.
  - New Development test production environment in place. *Comment:* Development, test, production environment is where it's at Mike! Development, test, production is how BPA does things. Best practice.
  - Dates for next meeting- look at first three weeks in March.
  - Nancy will send out Doodle poll for Feb 28-March 18, focusing on Wednesdays and Thursdays

**Adjourned at 12:30**