

### **StreamNet Steering Committee Meeting**

Thursday, March 3, 2022 9:00 AM – 12:30 PM (PDT)

Microsoft Teams meeting : <u>Click here to join the meeting</u> Or call in (audio only): <u>+1 207-387-0436,,688157333#</u> Phone Conference ID: 688 157 333#

# Welcome and Introductions

Please leave web cameras on to facilitate discussion

All participants, please use the chat to introduce yourself (name and affiliation)

### Welcome to newer participants/members

(unmute and introduce yourself in below order)

- Lara Erikson, PSMFC Program Manager assisting StreamNet
- Todd Gilmore, USFWS representative on steering committee
- Kurt Tardy, Shoshone-Bannock Tribes



# Agenda

(times are approximate)

9:00	Welcome and introductions
9:15	Updates, Announcement and Partner Spotlights
10:15	Update on HCAX upcoming March 11 <sup>th</sup> workshop
10:25	Status of SN ExCom September 2022 recommendation decision
10:35	2-minute updates on FMWG Task Groups related to StreamNet
10:45	Stretch Break
11:00	Check in on NPCC Program Tracker SPI Data Needs
11:10	Brainstorming opportunities with other regional systems
11:30	Ongoing StreamNet tasks and deadlines
NOON	StreamNet Technical Team updates
12:20	Next Meeting
12:30	Adjourn

# Updates, Announcements, and Spotlights

IDFG: Angie Schmidt and Evan Brown with Chris Harrington for Spotlight

**ODFW: Cedric Cooney** 

**CRITFC: Denise Kelsey** 

CRITFC Library: Tami Wilkerson

**USFWS: Todd Gilmore** 

MFWP: Dawn Anderson

WDFW: Brodie Cox and Ben Warren for Spotlight Shoshone-Bannock Tribes: Kurt Tardy and Rebecca Croy for spotlight

Colville Tribes: John Arterburn, George Batten

NPCC: Kris Homel

BPA: Russell Scranton, Matthew Schwartz, Tom Pansky

NOAA: Mari Williams

**PNAMP: Jen Bayer** 

StreamNet: Nancy, Greg, Mike, Van

# Update: Hatchery indicators Coordinated Assessments eXchange (HCAX)

Brodie Cox (WDFW) and CAP Core team

- Completed Phase 1, 2021: HCAX Biologist Work Group
  - HCAX Controlled Vocabulary\_v1.0 available on HCAX project page <u>PNAMP.org</u> (field-names, definitions, info for standardized pick-lists)
- Initiated Phase 2, 2022: Data Managers Work Group
  - Jan 2022, ad hoc data team identified
    - Subset of data manager work group and/or representatives and CAP DDT members
    - USFWS and MFWP to facilitate flow of potential resident hatchery fish metrics.
  - Feb 9, ad hoc Data Team met to review DES tasks
  - March 2, 2020 ad hoc Data Team check-in develop data sharing rules and procedures (DES)
  - TBD, draft documents produced
- Next: completed draft DES documents will be reviewed by Data Managers Work Group



## Status of SN ExCom Sept 2022 decisions on CAP Fish HLIs

Nancy Leonard

Task	CAP Fish HLIs <u>map query</u>	Draft CAP Fish HLIs <u>tabular query</u>
Provide additional filters (e.g. population name, HLI, pop fit, methods, compiled by)		Done
Remove 'non-trt' from pop names	Done	Done
Display partial population estimates (subpop) with whole population estimates; place whole estimate at top and differentiate clearly from partial	Pending	Done displayed on separate rows
Provide info on data availability for all populations without CAP Fish HLIs/related trends	<ul> <li>Completed draft of data availability</li> <li>Next steps: <ul> <li>Mock up the display for both qu</li> <li>Confirm populations missing GIS</li> <li>Managers' review data info and</li> </ul> </li> </ul>	eries S polygons
Separate out HLIs for different groupings (e.g. Multiple pop; MAFAC-NPCC groups)	Pending FWMG MAFAC NPCC SPI task group initiated	Done via filter Whole, Multiple, Partial. New groupings will be added

## 2 minute updates on FMWG Task Groups related to StreamNet



#### MAFAC and NPCC SPI

Task Team Leads: Kris Homel khomel@nwcouncil.org

Lara Erikson lerikson@psmfc.org Purpose: Using existing CAP Fish HLIs to inform adult abundance estimates for the groups identified by MAFAC and incorporated in NPCC's 2020 Addendum.

Products:

- Develop draft recommendations compatible with MAFAC and the NPCC Program Tracker process/approach.
- Deliver final recommendations to the StreamNet Executive Committee and NPCC Fish and Wildlife Division to inform new CAP Fish HLIs display option for existing CAP Fish HLIs supporting NPCC S1-3 reporting.

Next Steps: Task leads are identifying how many combinations of different types of population abundance data (including missing data) exist within each MAFAC grouping. Results of this effort will inform subsequent steps and scope of effort.

Future tasks include drafting summary options, discussing these with the task group, developing suggestions on how to display this information within the CAP Fish HLIs tools, and updating / engaging with Columbia Basin Collaborative on initiative effort.

Meeting: Doodle poll for meeting dates and invitation to join the task group membership will be sent out once data types are summarized.

#### CAP DES Juvenile Outmigrant Refinement: Define Smolt Equivalent

Task Team Leads: Mike Banach mike\_banach@psmfc.org

Russell Scranton rwscranton@bpa.gov

#### Purpose:

Address DES issues identified that benefit from FMWG task group input. First two items to be addressed are:

- 1) Explain what "smolt equivalents" means
- 2) Decide if DES needs a field to classify outmigrant number's location relative to population boundary

**Products:** DES appendix and adjusted language in juvenile outmigrants table

Status: **Completed**. Recommendation from the FWMG improving the "smolt equivalent" and tightening up the "location" descriptions are being shared with the StreamNet Technical Team in February.

**Meeting:** First meeting was held November 23, 2021 (event page)

Next meeting will be scheduled later in 2022 and will address another item identified from the DES February 2021 survey (or other source) when it is ready for discussion.

Fish Population Names and GIS Boundaries

Task Team Leads: Van Hare vhare@psmfc.org

Evan Brown evan.brown@idfg.idaho.gov **Purpose:** Defining Fish Population Names and Boundaries for StreamNet tools. This includes the focal fish species informing the NPCC Addendum goals, objectives and indicators (e.g., bull trout, white sturgeon, cutthroat trout, redband trout, kokanee) Note, this task supports ideas identified during 2019 Smolt Analytics workshop (create Standard GIS layers and fields).

**Products:** List of recommended population names and boundaries (polygons layer) to be used by StreamNet tools;

Use the USGS National Hydrography Dataset (NHD) Watershed Boundary Dataset (WBD)

**Next Steps:** Task leads are preparing a draft strawfish describing an approach that will be first applied to bull trout.

**Meeting**: Once strawfish is ready the task leads will convene the group using a doodle poll to select the meeting date.

#### Rotary Screw Trap (RST) Data Collection Data Standards

Task Team Leads: Polly Gibson (ODFW) polly.p.gibson@odfw.oregon.gov

Kasey Bliesner (ODFW) kasey.bliesner@odfw.oregon.gov

Russell Scranton (BPA) rwscranton@bpa.gov

Marika Dobos (IDFG) marika.dobos@idfg.idaho.gov **Purpose:** This task is to engage regional biologist to discuss common data fields associated with RST operation that are required for analysis. The objective is to provide standard outputs for trap operation data, fish condition data, and abundance data (beyond what is shared with PTAGIS). This information should be framed such that it provides an output consumable for population analysis or site-specific questions. The data standard will reference population names, location and data provider standards from CAP DES.

#### Products:

- Data Standards for Site Operation Data; Fish Condition Data & Count/Abundance and efficiency

- Initial test on IDFG, ODFW data

#### Rotary Screw Trap (RST) Data Collection Data Standards

Task Team Leads: Polly Gibson (ODFW) polly.p.gibson@odfw.oregon.gov

Kasey Bliesner (ODFW) kasey.bliesner@odfw.oregon.gov

Russell Scranton (BPA) rwscranton@bpa.gov

Marika Dobos (IDFG) marika.dobos@idfg.idaho.gov **Meeting:** First meeting February (<u>link</u>) complete by January 27 -Discuss data standard -Find sticking points

#### Data Categories:

- Trap Site Information
- Trap Sample Event Information
- Individual Fish Information
- Trap Efficiency
- Mark and Tag Information
- Data Set Metadata



Juvenile Density Data Standards (Snorkel & Electrofishing)

Task Team Leads: Kasey Bliesner (ODFW) kasey.bliesner@odfw.oregon.gov

Russell Scranton (BPA) rwscranton@bpa.gov

Marika Dobos (IDFG) marika.dobos@idfg.idaho.gov **Purpose:** Develop and propose data standards and a DES for juvenile fish distribution/density data from snorkeling or electrofishing

#### Products:

- Data standards and DES for Juvenile Distribution and Density Data
- Document on limitation and proper use
- Recommendations for data management and sharing systems

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Task Team Leads: Kasey Bliesner (ODFW) kasey.bliesner@odfw.oregon.gov

Russell Scranton (BPA) rwscranton@bpa.gov

Marika Dobos (IDFG) marika.dobos@idfg.idaho.gov **Meeting:** First meeting February (<u>link</u>) complete by January 27

- Discuss data standard
- Find sticking points
- Data Categories:
- Site/Reach Information
- Species Type Information
- Observed Count,
- Sample Unit Size

- Sample Event Information
- Abundance and Efficiency Estimated Abundance
- Data Set Metadata





# be back in 10 minutes



# Check in on NPCC Program Track SPI data needs

Kris Homel, NPCC



Columbia River Basin Fish and Wildlife Program

### Brainstorming Opportunities with Existing Regional Systems Nancy and group

### Submit once and feed multiple needs

Improve consistency among systems for data providers/consumers Efficient use of limited resources

HCAX could be initial driver among systems



### Update on closed FY2021 and new FY2022

Value

\$4,232,243

\$2,123,063

Invoiced

Unspent

FY20: \$2,021,648\* (doesn't reflect shifts to FY21) FY21: \$2,210,595\*^ (doesn't reflect shifts from FY21) FY20-21 total: \$4,232,243

FY22: \$2,123,063\*^ FY23: pending confirmation FY22-23 draft total \$4,246,126

Date

10/01/2019 -

10/01/2021 -

09/30/2022

09/30/2021

Contract

No

78040

78040

**REL 41** 

**REL 17** 

\*ODFW portfolio addition included ^ PSMFC increase included





Update on closed FY2021 and new FY2022

### CY 2021 Annual Project Report to BPA

March 21, input due on draft

• review your sections, add input on recommendations/lessons learned,

and any other suggestions to improve

March 28, final draft shared

April 4, report submitted to BPA



Update on closed FY2021 and new FY2022

CY 2021 Annual Project Report to BPA



# Proposed work-session with SN TT, CAP DDT, MR.org staff to explore initial connections between PSMFC/MR/CBFish as discussed in SN TT

Continue exploring best approach to make connections to support specific products Automate or facilitate human identifying correct

Project #, MonitoringResources.org Study Plan title/URL and/or Report URL



Update on closed FY2021 and new FY2022

CY 2021 Annual Project Report to BPA



Proposed work-session with SN TT, CAP DDT, MR.org staff to explore initial connections between PSMFC/MR as discussed in SN TT

### Check in on manual/visual quality control (QC) review pilot

- Review your assigned records (18) by May 2
  - Data Stewards focus on accuracy
  - Independent focus on comprehension
- Provide input on process and the review tool
- QA/QC plan & pilot implementation plan are posted <u>on website</u>

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All		~ A	I	~	All		~	All						
72 Record	's													
«         Previous         1         2         3         4         5         6         7         8         Next         »         10         25         100         Clear Selections														
Year 🖨	Data Category 🗢	PopID 🖨	Population Name 🖨	Agency 🖨	Reviewed By	Review Time	Complete	Independent Review Complete						
1994	Nosa	17	Big Creek - spring/summer Chinook salmon	IDFG			No	No						
2010	Nosa	238	Hood River - fall Chinook salmon	ODFW			No	No						
1965	RPerS	23	Middle Fork Salmon River Upper Mainstem - spring Chinook salmon	IDFG			No	No						
2012	JuvenileOutmigrants	107	Okanogan River -	CCT			No	No						

Update on closed FY2021 and new FY2022

CY 2021 Annual Project Report to BPA



Proposed work-session with SN TT, CAP DDT, MR.org staff to explore initial connections between PSMFC/MR as discussed in SN TT

Check in on manual/visual quality control (QC) review pilot

### Initial discussion of 2023 CAP biennial workshop

- Purpose is to maintain exchange across all CAP partners (biologists, data stewards, consumers)
- Focus on issues beyond QA/QC data flow tasks (e.g. pg. 11 of <u>QA/QC Plan</u>)
- When planning the workshop should we expand CAP Core Team participants (e.g. HCAX)?
- Month for 2023 workshop?

### StreamNet Technical Team Update

Mike Banach and Greg Wilke

#### Meeting held Tue Feb 8, 2022 1-4pm

#### StreamNet Technical Committee Winter 2021-2022 Meeting DRAFT Agenda

#### INTRODUCTIONS

#### Technical staff

Colville Tribes – George Batten CRUTFC – Denise Kelsey, Tami Wilkerson IDFG – Bekki Waskovich, Chris Harrington, Evan Brown, Randy Walsh MFWP – Ace Riverman Nez Perce Tribe – Clark Watty, Ryan Kinzer ODFW – Jake Chambers, Kasey Bleisener, Nadine Craft PSMFC – Greg Wilke, Mike Banach, Van Hare Umatilla Tribes – Colette Coiner, Stacy Schumacher USGS – Decca Scully Warm Spring Tribes – WDFW – Greg Lippert, Leslie Sikora, Michelle Groesbeck Yakama Nation – Michelle Steg-Geltner,

#### Supervisory staff who may drop in

Colville Tribes – John Arterburn CRITFC – Zach Penney IDFG – Angie Schmidt MFWP – Dawn Anderson Nez Perce Tribe – Jay Hesse ODFW – Cedric Cooney PSMFC – Nancy Leonard Umatilla Tribes – USFWS – Warm Spring Tribes – WDFW – Brodie Cox Yakama Nation –

#### QUICK THINGS: FYI items (Mike leads)

I. In the works: Changing the key field designation in each table to the natural key for the table as found in the record-level validation rules.

#### Stable TrendIDs (Mike and Nancy lead)

II. each time series to have a specific, reliable URL in the query systems that other data systems can use. Users of outside systems should be reliably sent to a specific time series on StreamNet such as "Podunk Creek Chinook redd counts from river mile 0 to river mile 3.3", and not find the <u>TrendID</u> was recycled and now means "Beaver Creek bull trout weir counts at mile 17.5". To do this, we would need to do two things. How feasible would these be?

#### StreamNet DES changes proposed or in the works\_(Mike leads; Becca & Nancy)

- III. Proposed: Our Hatchery and Dam tables are not what they used to be. proposes in all tables these fields are found, we replace <u>HatchID</u> and <u>DamID</u> with a single <u>EacID</u>, which is what he uses in the Facilities <u>Mapper</u>.
- IV. Proposed: add BPAppoiNum field to the six main HLI tables' "Protocol and method documentation' section of DES. Also add to Trend table in the DES.

A. discuss the possibility of linking HLI data to MonitoringResources.org using project numbers. Would allow two-way links.

- V. Proposed: Develop a format for submitting Trends and other locations as GIS feature classes
- VI. Proposed: The DES and actual practice have differed since DES version 2003.1 when StageID=29 ("All stages") was mandated for all hatchery returns trends. Nobody but USFWS actually followed it, and Bill never enforced it. Do we keep this rule and everyone decides to follow it.

CA DES changes proposed or in the works This is to get initial feedback that the CA DDT can use. (Mike leads)

VII. Proposed: removing the CBFWAponName VIII. Proposed: adding TrendID to the HLI tables

#### Tweaking the DES tables\_(Mike leads)

IX. DES "Data type" column

References\_(Mike and Tami lead)

X. DES and procedures

#### Selecting stream in trends query system\_(Nadine)

XI. select a stream in the fish monitoring data (trends) query system.

#### Presenting trend groups\_(Mike)

XII. Brainstorm ideas for how to present trend groups



# 2022 Fall StreamNet Steering Committee Meeting

*identify dates to avoid for doodle pool* 

Sun	Mon	Tues	Wed	Thurs	Fri	Sat		
Aug 21	22	23	24	25	26	27		
		AFS m	eeting					
28	29	30	31	Sep 1	2	3		
4	5 Labor Day	6	7	8	9	10		
11	12	13	14	15	16	17		
	ten	tative NPCC meet	ing					
18	19	20	21 SN Executive Committee	22 PSC DSC meeting	23	24		

# Adjourned!

