**StreamNet Executive Committee Meeting**

September 2, 2020

*Draft Meeting Notes*

**Agenda**

9:30 Welcome and introductions

10:00 NPCC 2020 Program Addendum

*10:30 Stretch break*

10:40 NOAA’s FCRPS BiOP and Willamette BiOP

11:10 Member updates

*Noon Break for lunch*

1:00 Coordinated Assessment Partnership

2:00 Projects coordinating with and supporting StreamNet

*2:40 Stretch break*

2:50 StreamNet

3:20 Next ExCom meeting

3:30 Adjourn

**Attendees**

PSMFC: Nancy Leonard, Stan Allen, Mike Banach, Greg Wilke, Mari Williams (PSMFC/NOAA-F), Van Hare

NPCC: Patty O’Toole, Leslie Bach, Mark Fritsch

NOAA-F: Greg Sieglitz,

WDFW: Dan Rawding, Brodie Cox,

PNAMP: Jen Bayer,

CAP Support/ Tom K Iverson Natural Resource Consulting: Tom Iverson,

USFWS: John Netto, Doug Threloff,

ODFW: Tom Stahl, Cedric Cooney, Jim Ruzycki, Art Martin

MFWP: Don Skarr, Dawn Anderson,

IDFG: Lance Hebdon, Angie Schmidt,

CRITFC: Zach Penney, Denise Kelsey,Tami Wilkerson (Columbia Basin Fish and Wildlife Library),

Colville Tribes: John Arterburn, George Batten

BPA: Rodrigo George, Jody Lando, Russell Scranton,

, Matt Schwartz, Tom Pansky, Scott Donahue

USRT: Erica Maltz

**Action Items**

* Jody Lando will follow-up with Tom I. question about if there is an intent to report on take mortality versus targets in the CRS BiOP on each population
* StreamNet Program Manager and CAP co-lead Jen Bayer will check back with the ExCom after the first newsletter for input on whether it’s a worthwhile task to continue.
* Doug will check on adding USFWS to relevant tasks under Section 5 similar to tasks with NOAA/BPA/NPCC currently listed for next year revision of the CAP 5-year workplan
* Nancy will send out a Doodle poll with late August/ mid September 2021 dates for the next Executive Committee meeting.
* Nancy will send back out the revised StreamNet Strategic Plan to ExCom for final review and comments due back to her by Sept 16.

**Draft Documents Shared**

Documents to review and provide input, preferably in advance of meeting *(attached to email message)*

* Updated StreamNet Strategic Plan 2021-2026
* Revised Coordinated Assessments Partnership 5-year Work Plan

**Links Shared**

* [*2019 StreamNet Annual Report to BPA*](https://www.cbfish.org/Document.mvc/Viewer/P172069)
* [*Coordinated Assessments Partnership information webpage*](https://www.pnamp.org/project/coordinated-assessments-for-salmon-and-steelhead)
* [*StreamNet Program website*](https://www.streamnet.org/)
* [*PNAMP Fish Monitoring Work Group (draft description)*](https://www.pnamp.org/document/15078)
* [*2015 StreamNet Strategic Plan*](http://www.streamnet.org/wp-content/uploads/2019/08/20150309-StreamNet-Vision-Strategic-Plan-2015Update.doc) *(2021-2026 revised plan attached to this email)*

**Notes**

*The meeting PowerPoint presentation with slides for the below items will be posted on the StreamNet website along with the meeting notes.*

**Introductions**

* No changes made to the agenda

**NPCC 2020 Program Addendum (**Presenters: Patty O’Toole, Leslie Bach)

* Patty O’Toole (NPCC Fish and Wildlife Division Director) and Leslie Bach (NPCC Senior Program Manager) provided an overview of the 2020 Columbia River Basin Fish and Wildlife Program (see PowerPoint presentation for slides). The update reviewed historic Program work and objectives, and major achievements to date. Highlighting that the NPCC has undergone a lot of transition over the past year, including several current vacancies in the Fish and Wildlife Division and a new NPCC Executive Secretary . The NPCC has also recently become more focused on understanding performance of the program in the basin. During the addendum process, nothing was removed from the current 2014 Program. The addendum adds onto the 2014 Program details related to Program performance (goals, objectives, and indicators) in Part 1 and Program Implementation components in Part 2. Wrapping up the current amendment process by finalizing the findings; this should be done by October 2020.
* Part 1: Program Performance and Adaptive Management: Council will create an advisory working group or steering committee to better understand indicator reporting requirements for Part 1 of the Addendum. They hope to have a work plan developed for this group by the end of the calendar year. They would appreciate hearing back on how to put a diverse group together. They want to use existing information, existing processes and groups, and existing contract tools they have to assist with this work, but some of that data has not previously been looked at on a regional scale so it will take a lot of work to get a handle on the reporting metrics. The goals, objectives and indicators identified in the Addendum are stated as the “Program contributes” to these objectives but is not fully responsible for meeting them. The broad groupings include:
* Goals and Objectives:
	+ - Salmon and steelhead: adult returns, SARs, survival standards
		- Sturgeon: abundance, distribution, diversity, productivity
		- Lamprey: abundance, passage
		- Resident salmonids: self-sustaining populations, habitat (miles and acres)
		- Wildlife: acres and HUs
		- Ecological objectives: flow, habitat, water quality
		- Communication, coordination objectives
* Strategy Performance Indicators:
	+ - Habitat: acres, miles, etc.
		- Non-native, invasive species, predator management: numbers, counts, etc.
		- Water quality: temp, TDG
		- Flow and passage: seasonal flows, travel times, reservoir elevations
		- Native fish and hatchery fish indicators: production, abundance, counts
		- Blocked areas: habitat, passage
		- Resident fish: habitat, patch size, status and trend
		- Public engagement: communications, publications
* Assessing, Monitoring and Reporting: To assess the program, the following activities must continue to be adequately supported:
	+ Public access to project implementation information, e.g. improve the delivery of information that the Council uses to assess and report on program performance
	+ Public access through centralized databases of compiled and analyzed data required for reporting on program goals, objectives, strategy performance indicators.
	+ Maintenance of historical and current program data and products in a structured manner that facilitates public access in a searchable format (e.g. through libraries and databases).
* Fish and Wildlife Program projects that they will look to for support in assessing Program performance (not named specifically in the addendum, but noted here for the meeting):
	+ StreamNet
	+ Pacific Northwest Aquatic Monitoring Partnership
	+ Columbia Basin Fish and Wildlife Library
	+ CRITFC Inter-Tribal Monitoring Data
	+ Intermountain Province/ Pend Oreille Subbasin data management project
	+ Data Access in Real Time
	+ Fish Passage Center
* *Questions & Discussion:*
	+ What happened to Habitat Quality? It is in the objectives; the challenge is regional scale across the basin (habitat quality is very site-specific so the on-going challenge is to determine appropriate indicators across the basin for habitat quality)
	+ Will need clarification through the advisory group regarding use of the term centralized vs distributed databases to more appropriately describe the approach.
	+ What is the relationship between the working group and StreamNet?
	+ Could the StreamNet Executive Committee be used by the NPCC to assist with the new indicators? Response was that the ratepayers are the target audience and broader than the StreamNet Executive Committee.
	+ Support the NPCC’s effort and commitment to leverage existing groups, processes, and data.

**NOAA’s FCRPS BiOP and Willamette BiOP** (Presenter: Greg Sieglitz, NOAA)

* Columbia River System (CRS) BiOp
	+ The 2020 CRS BiOP was released July 31, 2020. This is a non-jeopardy opinion and thus is not prescriptive and includes conservation recommendations and ‘take’ statements. This BiOp includes salmon, steelhead, green sturgeon, and southern killer whales. The BiOp is focused on upper Columbia and Snake River populations (identified 13 Columbia River Basin and Snake River Basin species). The BiOP confirms it is important to continue the proposed actions in the Biological Assessment such as actions related to habitat in the estuary, hatchery, tributary habitat strategy, predators, RM&E for mainstem/returning fish/survival. Action agencies intend to continue their activities identified in previous BiOps so will see similar language and recommendations in the new BiOp, including the focus on testing the flexible spill experiment. The previous BiOp had requirements to update NEPA compliance, which led to development of preferred alternatives which appear in the 2020 BiOp
	+ The testing of the flexible spill experiment is focused on refining spill to benefit fish migration, such as timing and pathway of flow (e.g. through bypass instead of turbine). The experiment affects the total dissolved gas standard which requires changes to the EPA water quality standard. The overall premise of the spill experiment is that more juvenile fish will survive with more flow, although this may take decades to determine if successful given the time spent in the ocean environment before adults return.
	+ Separate consultation process was done regarding Bull Trout with USFWS as Federal Agencies are required to consult with FWS when their activities have the potential to impact ESA listed species.
	+ The BiOP confirms it is important to continue the proposed actions in the Biological Assessment such as actions related to habitat in the estuary, hatchery, tributary habitat strategy, predators, RM&E for mainstem/returning fish/survival.
	+ Additional resources:
		- NOAA’s Biological Opinion for Operation and Maintenance of the Fourteen Multiple-Use Dam and Reservoir Projects in the Columbia River System and its appendices (released July 31, 2020) are available at <https://www.fisheries.noaa.gov/resource/document/biological-opinion-operation-and-maintenance-fourteen-multiple-use-dam-and>
		- Information on the [2019-2021 Spill Operation Agreement](https://www.salmonrecovery.gov/doc/default-source/default-document-library/proposedaction2019crs.pdf?status=Temp&sfvrsn=0.29652687684318046) that resulted from collaboration between the Action Agencies, the states of Washington and Oregon, and the Nez Perce tribe to implement a flexible approach to providing additional spill as a tool intended to support spring juvenile fish downstream passage is available at <https://www.salmonrecovery.gov/doc/default-source/default-document-library/proposedaction2019crs.pdf?status=Temp&sfvrsn=0.29652687684318046>
		- [The U.S. Fish & Wildlife Service's Final Biological Opinion for the continued operation and maintenance of Columbia River Basin dams](file:///%5C%5Cpsmfc.org%5Cshares%5CUsers%5Cnleonard%5CDocuments%5CStreamNet%202020_present_SOW%2C%20Budget%2C%20etc%5CCommittees%5CThe%20U.S.%20Fish%20%26%20Wildlife%20Service%27s%20Final%20Biological%20Opinion%20for%20the%20continued%20operation%20and%20maintenance%20of%20Columbia%20River%20Basin%20dams) (released July 24, 2020) is available at <https://ecos.fws.gov/tails/pub/document/17101031>.
		- NMFS’s Final Biological Opinion for the continued operation and maintenance of Columbia River Basin dams is available at <https://fisheriesmedia.s3.amazonaws.com/dam-migration/2020_crs_biological_opinion.pdf>.
* Columbia River Systems Operations (CRSO) EIS
* Currently concluding the NEPA/ EIS process. Record of Decision due to be signed September 30.
* The final Columbia River System Operations EIS was released July 31, 2020 and is available <https://www.nwd.usace.army.mil/CRSO/>.
* Willamette River BiOp
* This BiOP overlaps with the CRS BiOP in the lower areas of the Basin and thus have overlapping areas such as predators. This BiOp was considered a jeopardy BiOp so it includes RPAs. There is an ongoing separate consultation process that is expected to be done in the next 3 years. The litigation has focused on more actions being needed to address passage above dam facilities. Some interim measures have been put in place such as at North Santiam River and Mackenzie Basin for moving fish. Updates on the Willamette River Biop and documents can be accessed at <https://www.salmonrecovery.gov/BiologicalOpinions/WillametteBiOp.aspx>
* Columbia River Basin Tier 1 and Tier 2 populations
* Tier 1 populations should still be the focus.
* There is a new process to assess the past 5 years of what was accomplished under the BiOP and to summarize what was learned and progress made. The outcome of this process may result in adjusting Tier 2 populations.
* Focal populations include those in the Snake Basin.
* *Questions & Discussion:*
* Q: In writing the BiOps, did they identify any lack of data for certain populations?
	+ A: Coordinated Assessment Partnership (CAP) work was hugely valuable for the BiOp analyses (life cycle components, etc) and the 5-year assessments.
* Q: Were data needs identifies in the BiOp with regards to data gaps in the Basin or guidance for population estimates?
	+ A: The BiOp references data collection effort with more granular details for steelhead. The data needs for Tier 1 and Tier 2 populations are still a priority although some adjustments may be made as we assess changes in status. The CAP was very useful to the BiOP and it will continue to be important for focal populations, modeling needs, and 5-year review assessments.
* Columbia Basin Partnership Taskforce is broader in scope than the BiOp, with a long-term trajectory for goal-setting; there is an opportunity there for collaboration.
* Q: The BiOp identifies targets for take mortality- is there an intent to report on that for each population?
	+ A: There is an Action Agency/BPA annual report produced with these estimates. NOAA-SC also produces a report for those estimates. BPA needs to check on how that ties in to their AA/BPA reporting with StreamNet. Jody Lando will follow-up with Tom I. on this question.

**Member Updates** (Presenters: Executive Committee members or their Steering Committee representative)

* WDFW (Dan Rawding, Brodie Cox)
	+ Continue to update indicators, push to make data available for NOAA 5-year status review.
	+ Opportunities in the next couple of years to update DES for indicators (NOSA, Juvenile Outmigrant Abundance) to more clearly understand what is being reported on.
	+ Opportunities for StreamNet to work with the NPCC on what has been learned on indicators and data exchange standards.
	+ Puget Sound populations will be integrated into Coordinated Assessments Partnership CAX format for NOAA’s 5-year status review.
* USFWS (John Netto, Doug Threloff)
	+ Roy Elicker retired August 1, 2020, Judy Gordon is in acting role.
	+ USFWS does not collect Kootenai River White Sturgeon data. They are reaching out to those agencies who are collecting the data (CDFO, IDFG, etc.).
	+ USFWS is initiating a 5-year status review for Bull Trout and are gathering data; they rely on partners for the majority of the data needed for these reviews.
* ODFW (Tom Stahl, Cedric Cooney)
	+ Continue to update indicators, coordinating with NOAA for their 5-year status review.
	+ Reduction in state lottery funds (fund west-side monitoring) resulting in a reduction in monitoring efforts, with impact on lower Columbia River spawner monitoring and coastal monitoring.
	+ Actively developing internal data standard to cover all research and monitoring programs in the state.
	+ Adopted climate change policy this year.
	+ Looking at proposed Coordinated Assessments indicators to see what they have available to meet future needs.
	+ Support the NPCC Part 1 Addendum that came out of the collaborative discussion with fisheries managers.
	+ See synergies between the NPCC process for Part 1 and StreamNet.
* NOAA (Greg Sieglitz)
	+ Continue to support work being done under Coordinated Assessments Partnership. The work intersects with the 5-year program update.
	+ Significant opportunity to discuss what priorities may be going forward under the new BiOp and for BPA information needs.
* MFWP (Don Skarr, Dawn Anderson)
	+ Internet connection to this online meeting was lost, so no update provided.
* IDFG (Lance Hebdon)
	+ Continue to support population-level indicator data and feeding them into Coordinated Assessments Exchange.
	+ Working on Bull Trout status review and aggregating available datasets.
	+ Would support effort to organize basin-level sturgeon indicator data, and this should not require much effort to implement if it becomes a priority.
	+ Looking forward to providing input on Tier 1 and Tier 2 populations. Would like the opportunities for states and tribes to provide input on these populations since did not have opportunity to provide input previously, which led to some unrealistic expectations on what data was available.
* CRITFC (Zach Penney)
	+ Working on data management maturity models and multi-year plans with quantifiable metrics. Believe that the maturity model would be applicable to others and have mentioned assessment of the data management maturity model as a potential task to the ISAB.
	+ Working on development of centralized data management systems.
	+ Looking to hire new tribal data coordinator this fall.
	+ Tribes are fueling progress over the last 18 months.
	+ Major improvements in library appearance and usability.
* Colville Tribes (John Arterburn)
	+ COVID has caused administrative issues, trying to keep data collection activities moving.
	+ Hoping to expand data collection efforts to include steelhead, habitat, hatchery indicators.
	+ Data collection for the 10(j) population has been initiated.
	+ Working on 5-year status review in terms of fish and habitat metrics for Okanogan steelhead.
	+ Working on automating juvenile fish data and bringing the system online.
	+ Working on developing automatic calculations for Mark/Recapture juvenile studies which improves efficiencies and repeatability of these calculations.
	+ Added interactive components to website, e.g. temperature.
	+ Can now query the habitat shape files.
* BPA (Rodrigo George, Jody Lando)
	+ Reviewed rates for FY22 and FY23, funding levels will be flat.
	+ Worked on Environmental Impact Statements and developed proposed actions/ biological assessments in support of the BiOp.
	+ Worked with the NPCC on development of the addendum.
	+ Interested in moving forward on Carrying Capacity DES development.
	+ Restored StreamNet funding to support PSMFC-StreamNet with DES development for juvenile outmigrant, carrying capacity DESs to be advanced through the Fish Monitoring Work Group, GIS population layers, smolt monitoring data and traps, improvements to StreamNet interface, identify areas where data needs correcting or where access to data needs to be improved (aka Phase 2 QA/QC).
* NPCC (Patty O’Toole)
	+ Reviewed all data management projects in 2019.
	+ Currently finishing up resident fish & sturgeon reviews.
	+ Anadromous fish Habitat and Hatchery project reviews may be rescheduled due to COVID and as requested by a group of sponsors.

**Coordinated Assessment Partnership** (Presenters: Nancy, Brodie Cox, Jen Bayer, Tom Iverson)

* Big Picture (Nancy)
* collaborative process to share PNW fish data (focus to date has been on salmon and steelhead)
* provides access to standardized data
* Informs reporting and decision-making
	+ ExCom  Steering Committee  Work Teams
	+ Fish Monitoring Workgroup (organized by PNAMP) helps inform decisions
	+ Guided by regional information needs identified by NOAA, NPCC, and BPA
* Funded by: BPA, EPA Exchange Network Grants, NOAA-F, states and tribes
* Beginning to reach out to those outside of the basin as well
* The CAP Core Team partners meet monthly via phone
* Data Status (as of August 3, 2020) (Nancy)
* Amount of data in any particular HLI Category varies with data availability and provider capacity
* Tribes are actively working to build their data-sharing capacity and infrastructure
* Working to get all partners to the point of being able to efficiently share their data
* HCAX 2020 EPA Exchange Network Grant (Brodie)
* Project goal: provide access to Pacific Northwest EPA Region 10 salmonid hatchery information for regional decision-making through the Hatchery Coordinated Assessments Exchange (Pacific Northwest HCAX)
* Funding: $399,998
* Grant Partners: WA RCO & GSRO, WDFW, PSMFC StreamNet, PNAMP, Colville
* Have not received confirmation that funding has been secured
* Grant is for development of infrastructure, not to actually load data
* Review 5-year work plan (Nancy)
* Continues to list hatchery fish, Bull Trout, Lamprey, and Sturgeon in the 5-year work plan, but thus far not implemented due to lack of funding. The EPA Exchange grant would help move forward the hatchery indicator topic
* 5-year work plan is reviewed every year with the Executive Committee
* Summary of updates
* Name Change: Added ‘Partnership’ to end of Coordinated Assessments and updated abbreviation to CAP
* Section - Introduction: Expanded the background text to align with the CAP Core Team updates to the 2020 CAP Workgroup Roles and Responsibilities document
* Section - Vision: Tightened up the vision statement, removing the descriptive process content that is now captured in the Implementation Approach section.
* Section - Existing CAP HLIs : Added PNI under the Natural Origin side of the table (new change, not in emailed version)
* Section - 5-Year Work Goals and Target
	+ - Renamed the ‘Annual CA workflow’ section to the ‘5-year Work Goals and Target’ to better fit the reorganized content
		- Reorganized to remove redundancies, now have a list for the entire 5-year period instead of repeating for each individual year
		- Changed the formatting to highlight the groups tasked with various items
		- CA General Group to be named “CAP Outreach Forum”
		- Updated the ‘Carrying Capacity’ and ‘White Sturgeon’ scoping exercise steps to reflect revised status and role of Fish Monitoring Workgroup
		- Added the CAP newsletter task
* new Electronic Newsletter
* Audience: broad CAP Outreach Forum group
* Frequency: twice a year
* First newsletter: November 2020
* Convey CAP and partner activities
	+ - 1. What is CAP
			2. Who is involved
			3. CAX Data updates
			4. Improvements to data sharing (DES) or new fields / data categories
			5. Partner spotlight
			6. Survey newsletter recipients for feedback on content in first newsletter
* *Questions/ Discussion on the Newsletter task:*
* What is the capacity to get the newsletter done given level funding? What is the objective? *Response:* Objective is to communicate with partners who are not attending meetings/ reading reports. The majority of the content listed above would leverage what is already being compiled and collected and would require no new content development. The Partner spotlight would require partners to provide content, level of effort is not expected to be high, and Brodie (WDFW) volunteered for the first one.
* How long would the newsletter be? *Response:* Would be 3-4 pages of content with the 4th page being used to provide links to resources, list of CAP partners and logos.
* The newsletter should focus on the priorities set out in the 5-year plan, and if funded by BPA funds, that it falls within the approved project scope by NPCC and BPA. *Response:* This task fits within the existing BPA SOW, and is not expected to require a high amount of effort, based on the experience of PNAMP with their newsletter.
* Support the newsletter task as it can be a value added, efficient way to communicate accomplishments, and that it will be re-using existing information.
* Can help communicate lessons learned which is valuable. Will help bring back coordination that has been lost over time with the broader group of interested parties.
* Could merge the update and new topics listed above to be a ‘What's New’ section. Focus on highlighting what was changed and why. Support the idea of a newsletter since it will help fill the communication gap that used to be addressed through the CAP workshop/ meetings. Content should focus on things that would be of interest to those updating CAP or using CAP.
* Develop Logo
* Establish a consistent brand for use in newsletter, workshops, presentations, and outreach
* Elements to consider including
	1. Geographic range
	2. Diversity of partners
	3. Scope of data types
	4. *Other?*
* Section - Implementation Approach
* Changed section name from ‘Workgroup Roles and Responsibilities’ to ‘Implementation Approach’.
* Added process description at the start of the section, incorporating additional text from the 2020 CAP Workgroup Roles and Responsibilities doc.
* Updated names, added description of FMWG, and updated group descriptions to align with the 2020 CAP Workgroup Roles and Responsibilities doc.
* Name change: “CA Distribution List” to “CAP Outreach Forum”.
* Added a figure to illustrate the relationship among the groups.
* Additional additions/edits to consider for the CAP 5-year workplan in Section 5-Year Work Goals and Target:
* Should we list USFWS along with BPA, NOAA, NPCC task related communication of data priorities?
* Should we update the hatchery indicator item to include the HCAX project steps?
* Other additions/deletions?
* Questions / Discussion on additional additions
	+ Doug will check on adding USFWS to the list for next year
	+ Is the work plan flexible enough for StreamNet to work with the Council? Response: Written that SN is to track any new leads from NOAA and NPCC; anything not covered in work plan would require ExCom approval to proceed and we can hold a short meeting to get that guidance if needed to assist with the NPCC Part 1 Addendum data needs.
	+ Regarding the steps described for the Carrying Capacity, do these convey that the ExCom must review the outcome of what is learned in the scoping exercise before it moves forward to implementation? Response: Yes, the intent of the scoping work is to get the FW managers and the Data Managers/Stewards to provide enough information so that we understand if this task is feasible and what level effort will be needed.

***Outcome:*** ExCom supports trying out the Newsletter

***Action Item:*** StreamNet Program Manager and CAP co-lead Jen Bayer will check back with the ExCom after the first newsletter for input on whether it’s a worthwhile task to continue.

***Action Item:*** Doug will check on adding USFWS to relevant tasks under Section 5 similar to tasks with NOAA/BPA/NPCC currently listed for next year revision of the CAP 5-year workplan

* CAP and the PNAMP Fish Monitoring Workgroup (Jen)
* Meant to provide a venue for discussion of topics related to CAP and StreamNet implementation.
* Trying to add more structure to the group, looking for work group leaders & subject matter experts. (Those they have contacted are concerned with lack of staff time and funding in order to be able to assist and participate.)
* Looking for topics for follow up:
* Recommendations from 2019 Smolt Workshop
* Out-migrant observation metrics & indicators
* Hatchery CAP indicators
* Population boundaries: shared GIS layers for StreamNet and CAP, CBfish, NPCC dashboards, MonitoringResources.org
* Carrying capacity: population level or reach-based
* Juvenile density and distribution (snorkel surveys and electro-fishing)
* Updates to spawner survey data exchanges & GIS for survey transects and redd sites (e.g., StreamNet “Trend” locations)

**Projects coordinating with and supporting StreamNet** (Presenters: Nancy, Zach, Denise Kelsey, Tami Wilkerson, Jen)

* Big Picture (Nancy)
* StreamNet connects to expertise from existing programmatic projects to support successful data collection, management, and sharing.
* Trying to be more efficient in leveraging partner strengths and abilities.
* CRITFC ITMD (Denise)
* Helping to build up data sharing and management capacity.
* Initiated ITMD-SN staff Interactions and create as needed check-ins via ITMD meetings, such as the upcoming November 2020 ITMD Data Steward meeting.
* Continue exploring tribal capacity building opportunities by coordinating between CRITFC ITMD staff and SN staff.
* Looking at possible future engagement of SN SC members with ITMD Data Stewards and/or Tribal Data Managers.
* Columbia Basin F&W Library (Tami)
* Maintains documents associated with StreamNet datasets and provides a stable url for those documents.
* Currently working on a cleanup and reconciliation of StreamNet source documents.
* PNAMP (Jen)
* Brings together managers, documents how information is collected.
* Role is to facilitate voluntary participation.
* 2021 focus is on Fish Monitoring Work Group, CAP and HCAX, Emerging Technology Information Sessions, MonitoringResources.org, Instream Habitat Metric Data Integration.
* In person Emerging Technologies workshop for 2020 is cancelled and they are pivoting to a webinar series for this year, with a face-to-face workshop planned for fall 2021.
* Habitat Metric Integration Project (funded by USGS and BLM).
* Contact Jen if you would like to be added to the PNAMP newsletter distribution list.

**StreamNet** (Presenter: Nancy)

* Data user status
* 9401 unique website visits in 2019
* 745 GIS datasets were downloaded in 2019
* Revised StreamNet Strategic Plan 2021-2026
* Summary of updates
	+ Reformatted into a standard strategic plan format, incorporating relevant content from 2015 Strategic Plan.
	+ Current BPA statement of work (SOW) developed with Steering Committee.
	+ 2019 annual project report to BPA produced with Steering Committee.
	+ Updated/ added content as needed with input from Steering Committee members.
	+ Aligned content overlapping with CAP 5-Year Work Plan and the 2020 Roles and Responsibilities document.
	+ Developed new figures to illustrate data flow and relationship among groups.
* Any additions/deletions?
	+ ExCom approves of the additions and tying it in to the larger picture and removal of redundancies.

**Action Item:** Nancy will send back out the revised StreamNet Strategic Plan to ExCom for final review and comments due back to her by Sept 16.

* FY21 activities
* Most of the details can be found in the annual report.
* Funding has been restored for 2021 (increase of about 100K supports staff, subcontracts as well as GIS work); NOAA IJ funding filled the gap last year, and this year’s award will assist with partners’ work.
* Data tasks
* Maintain automated flow of data.
* Maintain GIS data layers, web map services and related mapping applications: *fish population boundaries, trend survey locations, generalized fish distribution and fish facilities (weirs, hatcheries, traps, and fish data collection infrastructure).*
* Support use of GIS web map services by BPA funded data systems (e.g., monitoringresources.org).
* Refresh query tools, data communication tools for target audiences, and website. Currently:
	+ *Seeking input on pilot*: refresh of local trends (related data) query tool.
	+ *Initiated:* Data Store query and data submittal tool.
* Connect and leverage relevant content from other data systems (e.g., CBFish.org, MR.org, CBF&W Library).
* Group related tasks
* Convene DES development team and StreamNet technical team to update DESs and improve data flow and quality.
* Engage and support Fish Monitoring Workgroup working with FW Managers to improve/add HLIs.
* PSMFC-StreamNet staff and PNAMP co-organizing Emerging Technology Information Session (ETIS) webinar.
* Continue coordinating with CRITFC ITMD, PNAMP, and CBF&W Library.
* EPA Exchange Network Grant task
* Implement tasks related to new hatchery HLIs (HCAX) funded through the EPA Exchange Network Grant *(pending).*
* PSMFC StreamNet/GIS Staff Support task
* Continue to provide technical assistance to public users and partners.
* Support data sharing capacity of partners (e.g. SBT subcontract).

**Next Executive Committee Meeting**

* Discussion
* August works well for timing with the development of the work plan.
* Early September works well for those with kids in school.
* Whatever date is picked, as much advance notice as possible is appreciated.
* July is never good.

**Action Item:** Nancy will send out a Doodle poll with late August/ mid-September 2021 dates for the next Executive Committee meeting.