COORDINATED ASSESSMENTS PARTNERSHIP

Fish and Habitat Data Exchange

NEWSLETTER

Winter 2023

Join us for 2023 Workshops

After a five year hiatus, the Coordinated Assessments Partnership will hold a workshop April 12-13, 2023. Participants in this workshop will support CAP in providing quality data for regional assessments and reporting through efficient data exchanges. At the end of the second day of the CAP Workshop, PNAMP and StreamNet are sponsoring a Cultural Competency & Relevancy, and Indigenous Knowledge Workshop lead by Sammy Matsaw Jr., PhD with the Shoshone-Bannock and Oglala Lakota. There is no cost to attend either workshop but registration is required. **Location:** Edith Green – Wendell Wyatt Federal Building, Portland, Oregon

CAP 2023 Workshop

April 12th 10:00 am – 5:00 pm and
April 13th 8:30 am -11:30 am

This workshop will focus on developing solutions to address data submittal and retrieval challenges. We will also provide an update on changes since the last CAP workshop, discuss potential for future data categories to inform regional assessments, and work together to identify strategies for collaborative approaches and funding to address needs and challenges.

REGISTER FOR THE CAP WORKSHOP HERE
For in-person and virtual attendance (please note, you need to register separately for each day)

Workshop Purpose
Participants in this workshop will support CAP in providing quality data for regional assessments and reporting through efficient data exchanges.

Outcomes

- Recommend solutions to address data submittal and retrieval challenges
- Identify strategies for collaborative approaches and funding to address needs and challenges

More information: CAP Workshop Webpage

Question? Contact:
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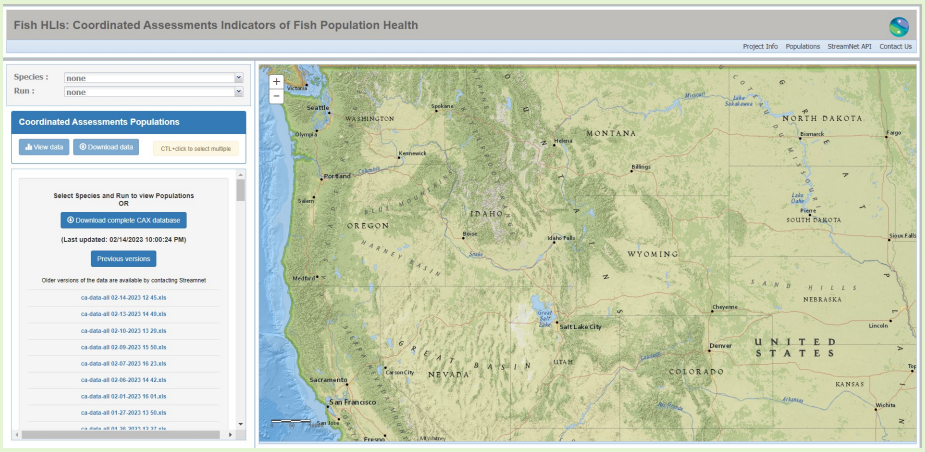
CAP Fish HLIs — Accessible Dataset Versioning

CAP Fish HLIs map query now has a section below the "Download complete CAX database" button that provides access to previous versions of the database. You can download versions created over the past 12 months, and versions back to September 2016 are available by contacting the StreamNet team. A new version of the database is created and archived at 10pm each day a new HLI record was added or an existing HLI record was updated.



Spotlight: Improving Data Citation in Support of FAIR and CARE

Data exchanged through the Coordinated Assessments Partnership, as well as data from other sources, inform the status reviews produced every five years by NOAA Fisheries. All datasets used in these assessments, as well as used in recovery plans and for critical habitat designation, are required to be archived and made publicly available under the 2018 Open Government Act. To meet this requirement NOAA Fisheries houses the abundance and productivity data in the NWFSC Salmon

Properly citing the CAP Fish HLIs datasets that are used by NOAA Fisheries and archived in the SPS database is required by the CAP Fish HLI (CAX) Policy Data Use Agreement (updated 2021). Proper citation also contributes to meeting the principles of FAIR and CARE, which are increasingly highlighted by collaborative data systems that facilitate access to complex and large datasets.

Image Source:: GIDA https://www.gida-global.org/care

The FAIR and CARE principles complement each other, with the first focusing on elements that support data sharing and the other focused on Indigenous Peoples' right to control and access their data within these collaborative data sharing efforts. By adhering to both sets of principles, and striving to properly cite datasets from publicly accessible data systems, we are supporting equal participation, attribution to the data providers, and equitable outcomes by accessing, using, and reusing these data.

Proper attribution for complex datasets such as CAP Fish HLIs can be challenging. This challenge was explored by PNAMP culminating in the 2019 document on best practice recommendations for citing data sets (Olson et al 2019). These recommendations, developed using CAP Fish HLIs and SPS as case studies, in turn identified metadata attributes that should be included in data sets to support citation. These attributes to support data citation, on the surface, seems straightforward with elements to be included such as organizations that generated the data, contact persons, access date, data version, data type and time frame, and information on availability of protocols and methods. However, with complex, long-term dynamic datasets with numerous contributors, the citation content can become overwhelming to create and difficult to convey in products and publications.

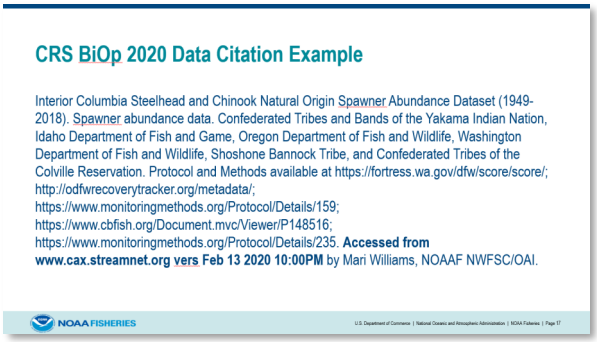


Image Source:: M. Williams, 2022 Emerging Technology Information Session, Hood River, Oregon.

To ensure proper citation of complex and dynamic datasets, such as the CAP Fish HLI, we hope that the CAP will continue to explore through its workshops, teams, and committees, how this can become a simpler task for the data consumers. Perhaps it will become possible to include with the CAP Fish HLIs data downloads auto-generated citations that recognize all contributing organizations with time-stamped versions of the data delivered.

Update on Coordinated Assessments Data Exchange (CAX)

6

High-level Indicators

287

Columbia River Basin (CRB) & Oregon (OR) Coast Populations with HLIs
(includes partial population estimates)

40

CRB & OR Coast Superpopulations:
(multiple populations)

251

NOSA HLIs CRB & OR Coast
(incl. populations, partial, superpopulations)

https://www.streamnet.org/home/data-maps/fish-hlis/

ETIS 2022

The 2022 Emerging Technology Information Session (ETIS) had more than 180 in-person and virtual attendees and included 52 presentations by presenters from the Pacific Northwest region as well as from Canada, Belgium, and Taiwan.

This three day event on emerging technologies in aquatic monitoring and data management brought together monitoring professionals, project managers, field data collectors, data managers, and data consumers. The 2022 ETIS, co-organized by StreamNet and the PNAMP, was held in Hood River, Oregon November 14-16, 2022.

HCAX Progress

The CAP made great strides towards regional sharing of hatchery high level indicators (HLIs) through the HCAX effort. A core group of the data stewards participating in the HCAX (i.e., HCAX Data Manager Work Group) developed data sharing rules and procedures using the HCAX controlled vocabulary completed at the end of 2021 by the HCAX Biologist Work Group

In November 2022, we hosted the HCAX Project Workshop 2 to review and vet the draft Data Exchange Sandard. StreamNet staff used feedback from this workshop to improve the DES which will be used in 2023 to initiate pilot testing of the standard. This work was successful thanks to the 60 participants representing 24 organizations from around the region for providing input throughout the project.

The hatchery fish metrics and HLIs included in the pilot DES broadly consist of four groups:

- Program Information — such as program name, facility name, hatchery stock name, and agency contact ;
- Adult Return Information — such as brood year, return location, proportions of natural origin and hatchery origin used as broodstock ;
- Juvenile Release Information — such as year, location, date, number released;
- Hatchery Indicator Information — including hatchery broodstock demographics and age at return.

To learn more, access HCAX meeting documents on the Hatchery Data Sharing (HCAX) project page and see the draft DES on the StreamNet website here https://app.streamnet.org/ftpfiles/CoordinatedAssessments/DES/.

HCAX is funded by an EPA Exchange Network grant, secured by the CAP Core Team in 2020, along with funding from BPA and NOAA IJFA. The project is expected to be completed no later than fall 2023.

Five-Year Work Plan

During September 2022 the StreamNet Executive Committee reviewed the Five-Year Plan for the Coordinated Assessments Partnership (CAP) and adopted a revised Plan version in November 2022 to guide work in 2023 and onwards.

A highlight of the changes made by the Executive Committee include:

1. Added stocks as a fish unit that can be used for data exchange, in preparation for HCAX and other regional reporting and assessments needs.
2. Expanded the list of future data categories that can be scoped to assess whether to develop a data exchange standard to be maintained by StreamNet, or if another entity is better suited for that data category. The expanded list includes: juvenile distribution and density, Pacific lamprey, salmon and steelhead genetics at the population scale, and bull trout
3. Refined the guidance for scoping carrying capacity, white sturgeon, and bull trout.
4. Updated the tasks under the Hatchery Salmon and Steelhead category to reflect work completed and planned under the Hatchery Coordinated Assessments Exchange (HCAX) process and to capture the discussion of postponing related harvest indicators and metrics.

CAP Participants

participants vary in their level and degree of involvement

Northwest Power and Conservation Council

StreamNet

More Resources

HCAX

https://www.pnamp.org/project/hatchery-data-sharing-hcax

CAP Fish HLIs Data

https://www.streamnet.org/home/data-maps/fish-hlis/

About CAP and Five-Year Plan for CAP

https://www.streamnet.org/cap/

CAP DES

https://www.streamnet.org/resources/exchange-tools/

CAP Events and Background

https://www.pnamp.org/project/coordinated-assessments-for-salmon-and-steelhead

PNAMP Fish Monitoring Work Group

https://www.pnamp.org/project/fish-monitoring-work-group

For more information on up-coming meetings or general information:

gs-pnamp_contact@usgs.gov

For CAP Fish HLIs data and technical assistance:

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