A Pathway to Available and Accessible Data

Knowing Water Symposium
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April 3, 2024

Land Acknowledgement

Living Lakes Canada prioritizes Reconciliation with Indigenous Peoples. We commit to respecting the rights of Indigenous Peoples by aligning our work with the goals of local Indigenous groups. We recognize the role and responsibility that Indigenous Peoples have to all land and the water that flows through it, and we honour that relationship by uplifting Indigenous voices in water stewardship.

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National

- Member of BC and Federal Water Coalitions
- National Lake Blitz
- STREAM (Sequencing The Rivers for Environmental Assessment and Monitoring)
- CABIN (Canadian Aquatic Biomonitoring Network)
- iTrackDNA (Targeted Environmental DNA Research)

Regional

- Columbia Basin Water Monitoring Framework
    - Columbia Basin Water Hub
    - Columbia Basin Groundwater Monitoring Program
    - High Elevation Monitoring Program
- Foreshore Integrated Management Planning
- Eastern Slopes Aquatic Monitoring Collaborative
- Yukon Lakes Monitoring

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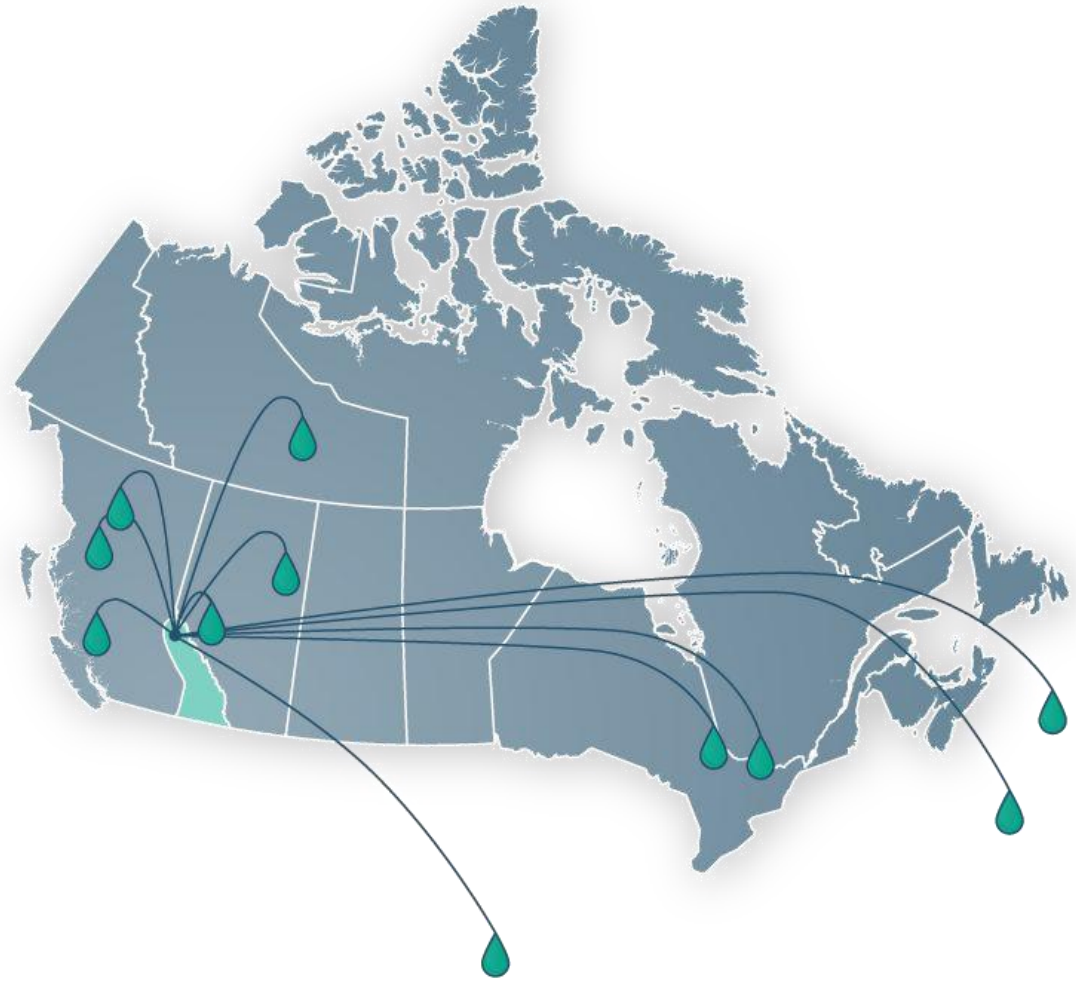
Understanding Open Data

What is open data?

"...data that can be freely used, re-used and redistributed - subject only, at most, to the requirement to attribute and sharealike."

(Open Knowledge Foundation)

Importance of Open Data

Access

Collaboration

Transparency

Preservation

Stewardship

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Considerations for Open Data

- **Indigenous Data and Knowledge**
  - CARE Principles
    (Research Data Alliance International Indigenous Data Sovereignty Interest Group, 2019)
  - First Nations Principles of OCAP®
    (First Nations Information Governance Centre)
- **Personal/Private Data**
- **Species or Habitats at Risk**
- **Security or Private Property**

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FAIR Data Principles

Findable Accessible Interoperable Reusable
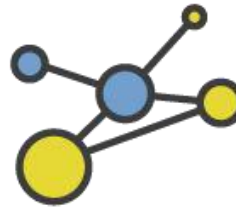
(Wilkinson et al., 2016)
Image: nlm.nih.gov

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The Importance of Accessibility
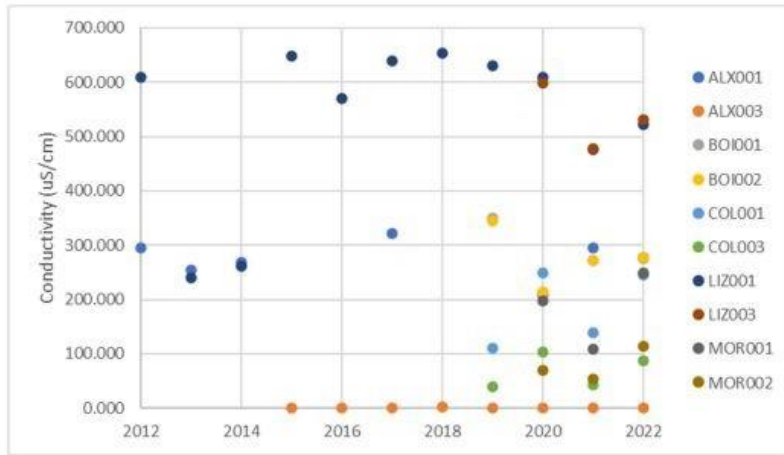
Figure 39. Conductivity levels measured at CBWM sites from 2012-2022.

Example of a chart in a .pdf report

Example of accessible .csv data.

Data Licensing

"A data licence is a legal arrangement between the creator of the data and the end-user specifying what users can do with the data."

(Danish National Forum for Research Data Management)

COLUMBIA BASIN WATER HUB

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The Role of The Columbia Basin Water Hub

- A central place for water data

- One-to-one data management approach.

- User friendly and intuitive

- Increase data accessibility and visibility.

COLUMBIA BASIN
WATER HUB

Welcome to the Columbia Basin Water Hub,
a central place for open water data and information, research, and
collaboration in the Columbia Basin.

View Data   Explore Map   Contribute Data
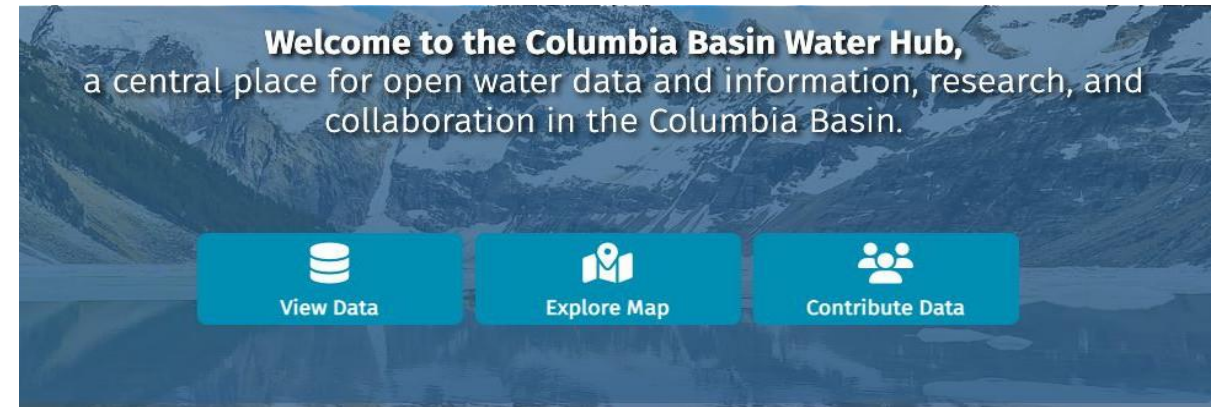
Visit cbwaterhub.ca

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The Columbia Basin Water Hub in the Real World

- Use Cases
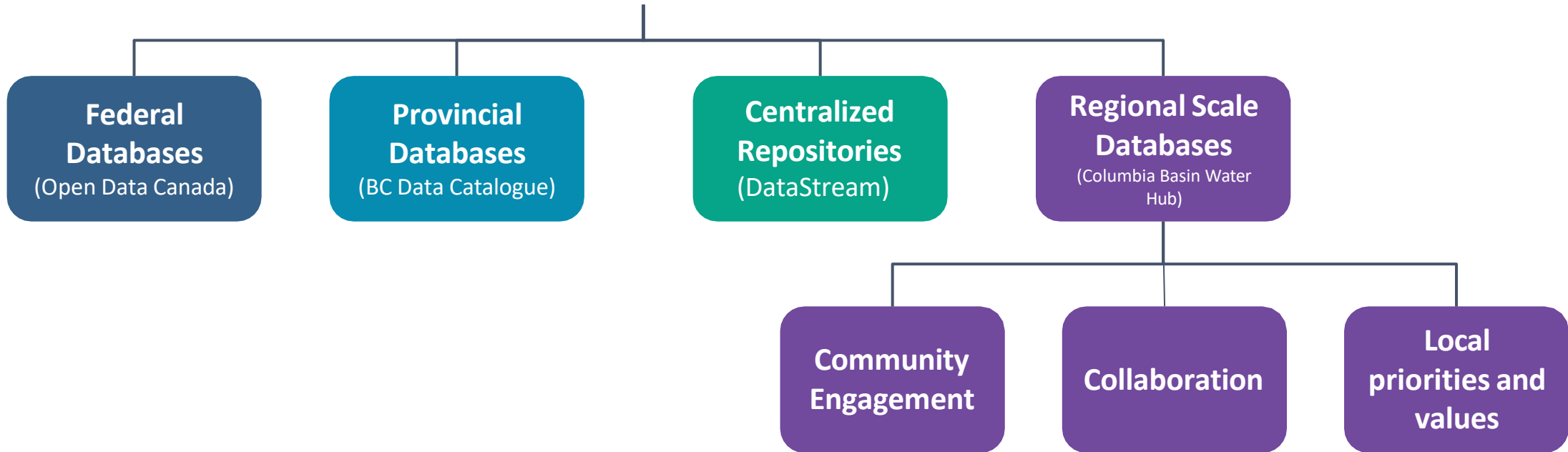 - Government Decision Making
  - Pacific Salmon Foundation
  - Niagara College
  - Consultants and stewardship groups

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Where do I put my data?

Database Options

- **Federal Databases** (Open Data Canada)
- **Provincial Databases** (BC Data Catalogue)
- **Centralized Repositories** (DataStream)
- **Regional Scale Databases** (Columbia Basin Water Hub)
  - Community Engagement
  - Collaboration
  - Local priorities and values

Get Involved

Visit the Columbia Basin Water Hub at cbwaterhub.ca

Become a contributor

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Thank you!

Follow us & learn more

Contact us

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Visit our website

www.livinglakescanada.ca

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