Skeena Knowledge Trust
Data Management Support Overview

Background

The Skeena Knowledge Trust (SKT) is a purpose trust and registered Canadian charitable organization based in Smithers, BC. The purpose of the SKT is to provide public education tools on salmon and salmon habitat in the Skeena River watershed with the overarching goal of promoting sound decision making by ensuring that land-use decisions relevant to salmon ecosystems are made using the best available information.

Our tools

In order to maximize the accessibility and impact of the best available information relevant to Skeena salmon, the SKT has developed two principal tools to store and deliver information. The Skeena Salmon Data Centre (SSDC, data.skeenasalmon.info) is a publicly-accessible, online data warehouse and library that provides users with access to a comprehensive collection of relevant reports, data, and spatial files. The Skeena Maps Portal (SMP, maps.skeenasalmon.info) allows users to search, view, and download spatial files, as well as create online maps. Access to the SKT tools is available to all users free of charge.

Engagement and outreach

The SKT engages with members of community conservation organizations, First Nations, non-profit organizations, government staff, and the public on how to utilize the SSDC and SMP to find and share information, manage organization data, and produce online maps. The SKT advocates for open data sharing to support collaboration among the multiple groups collecting information within the Skeena River watershed. See page 2 for details of the data management support and resources we provide and page 3 for an overview of our data standards.

How are we funded?

SKT activities are supported through grants and donations from a variety of foundations and partner organizations. If you are planning on using the SKT's tools for data archiving, sharing, and/or exploration please consider making a donation to support the maintenance and upkeep of our tools.

Contact us

- Visit our website at www.skeenatrust.ca
- Email us at info@skeenatrust.ca
  or call 250-847-5665

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Data Management Support Services

Data management support

The table below may be used as a guide to determine what data management support the SKT is able to provide to organizations or individuals within the context of its charitable purpose.

In scope	Out of scope
✓ Storage and archiving of reports and data relevant to salmon and salmon ecosystems in the Skeena River watershed	X Information not relevant to salmon and salmon ecosystems in the Skeena River watershed
✓ Uploading of completed reports and/or data with accompanying metadata onto the SSDC and/or SMP[1]	X Storage of data exclusively for private use[2]
✓ Conversion of spreadsheet data with location information into spatial format for upload onto the SMP	X Active management of project data
✓ Preparation of data visualizations to enhance public education[3]	X GIS services
✓ Training and guidance on how to use the SSDC and SMP for data management, including information uploading and online map creation	

[1]Where uploading is completed by SKT staff, information falls under priority areas determined by the SKT Annual Knowledge Plan, data standards are met, and resources allow. Uploading large volumes of information (>20 datasets) or storage of items with a large file size (>1 GB) may require partnership funding to complete. Please contact the SKT for further details.

[2]Some datasets may be stored privately in order to provide a space for staging or ongoing collaboration. However, the intent must be for final products/versions to be made available and/or discoverable for public education and research purposes.

[3]Where resources allow. Topic selection is guided by the SKT Annual Knowledge Plan.

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Data Standards

The SKT maintains the following data standards in order to ensure the datasets hosted on the SSDC and SMP are accessible, credible, and support the best interpretation and use of the information:

❑ All data and documents must originate from a credible source.
❑ Reports and documents should be finalized or reviewed versions and include the following metadata at a minimum:
    ❑ Author and/or organization
    ❑ Date
    ❑ Descriptions of data collection methodology and location information, any data processing or analysis, output, and interpretation
❑ Field notes may be included as supplemental resources if appropriate.
❑ Data in spreadsheets and spatial data should be finalized or reviewed versions and accompany a descriptive report or be provided with enough metadata to provide readers with context and confidence in the accuracy and veracity of the data. Data in spreadsheets and spatial data should also be accompanied by metadata describing attributes and/or acronyms used.
❑ Photos, videos, or imagery files should accompany a descriptive report or be relevant to a particular waterbody/partner organization and provided with metadata including image location, date taken, and content.
❑ Maps should should be finalized or reviewed versions and accompany a descriptive report or be provided with metadata including map author/organization, date, descriptions of any categorization or theming, data sources, and map projection.

Draft documents and working copies of data files may stored on the SSDC and/or SMP privately in order to provide a space for staging or ongoing collaboration. However, the intent must be for final products/versions to be made available and/or discoverable for public education and research purposes.

Additional resources
Downloadable SKT Metadata Forms
https://data.skeenasalmon.info/dataset/
skeena-salmon-data-centre-metadata-submission-forms
SKT Help Pages
https://data.skeenasalmon.info/
Data Management Skillbuilding Hub
https://dataoneorg.github.io/Education/

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