

Fraser Salmon & Watersheds Program



Fraser Basin Council



2008 Final Report Template

FSWP File Number*

*Please use the FSWP File Number provided in previous FSWP 2008 project correspondence

Contact Information

Sponsoring Organization's Legal Name

Columbia Shuswap Regional District

Are you a federally registered Charity, Non-profit organization or Business (Yes /No)?

If yes, please indicate which.

Charity

Non-profit organization

Business

Registration number

GST number

Are you a registered Society (Yes /No)?

Society Registration number

Mailing Address

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Project Manager¹

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¹All correspondence will be directed to the Project Manager.

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Project Information

Project Title

Shuswap Lake Watershed & Foreshore Mapping Project

Project Location

Shuswap Lake, Southern BC Interior, within the Columbia Shuswap Regional District, including the City of Salmon Arm and the District of Sicamous.

Amount Received

\$24,400

Total Project Value

\$81,700

Non-FSWP funds²

\$57,300

² Non-FSWP funds include both cash and in-kind funding. In-kind funding refers to all non-cash contributions such as equipment, supplies, labour, etc. Please refer to Budget Section for further details.

Project Summary

Please provide a single paragraph describing your project, its objective, and the results. As this summary will be used in program communications, clearly state the issue addressed and avoid overly technical descriptions. Do not use more than 300 words.

The **Shuswap Lake Watershed & Foreshore Mapping Project** uses orthophotos and video with GPS technology to create a digital inventory of habitat and land use conditions along the foreshore of Shuswap & Mara Lake. In addition to the final report, the data gathered from the project will be converted into an online-atlas accessible to government decision makers and other groups, including First Nations, via the Community Mapping Network.

This project directly addresses the need for government decision makers and others to have sound and easily accessible foreshore-related mapping data for the Shuswap Lake Watershed at a time when the Shuswap has experiencing unprecedented growth pressures and the CSRD is introducing greater land-use regulations. While civil servants are expected to be core users of this atlas and related data stemming from this project, the atlas will be made available to the general public through on-line links on various organizational websites. Finally, this project has fostered greater collaboration between local government (CSRD) and Provincial (MoE) and Federal (DFO) agencies and will be instrumental in prioritizing critical areas for conservation.

OPTIONAL If your project lends itself to sparking interest through a compelling sound bite (for potential use in FSWP media communications), please tell us what that sound bite would be. Do not use more than 150 words.

The Shuswap Lake Watershed & Foreshore Mapping Project, by combining cross-agency expertise with modern and interactive technologies, will provide a vital environmental and development assessment tool for government decision makers & the public. It will help guarantee the long-term prosperity of the Shuswap Lake region by identifying fish and other sensitive habitat and steering future development to areas of least impact.

Species and life stage(s) the project targets: please list

This project targeted all species and all life stages, as the project's main focus was to inventory the foreshore areas of the Shuswap Lake watershed.

Watershed(s) the project targets: please list

Shuswap Lake Watershed, including Shuswap Lake, Little Shuswap Lake, Mara Lake and the mouth of all major tributaries.

Project Deliverables and Results

- Paste in the deliverables outlined in your Detailed Proposal (question #3 under project 'relevance and significance' heading) into the table below. Then, please list the results associated with each deliverable.
- Please include copies of any relevant communications products (brochures, posters, videos, website addresses etc.) resulting from this project.

Deliverable	Result
Final Report and GIS Data	The Shuswap Foreshore Inventory and Mapping project resulted in a detailed inventory of baseline conditions along the shoreline of Shuswap and Mara Lake. The deliverable includes a GIS database of information collected including vegetation mapping. This information can be used to measure and monitor changes over time along the shoreline.
On-line atlas	The data compiled in the report (summarized above) was also digitized and translated into GIS language. This data will be posted on the community mapping network http://cmnbc.ca/ .

Project Effectiveness

Please evaluate the effectiveness of the project, using the objective standards, quantifiable criteria and/or quality control measures identified in your Detailed Proposal (under question #1 in the 'performance expectations' heading).

This project has been very effective at increasing communication between different levels of government by facilitating information collection/inventory to make better land use decisions along the shoreline of Shuswap, Mara, and Little Shuswap Lakes. Information from this project will be utilized by local governments, and provincial and federal agencies to assist with land use decision making processes well into the future. Information from this report is already being used in another project to prepare a habitat index that will be used to generate a guidance document that will further assist with land use planning decisions. Further, this information is currently being integrated with other fisheries information previously collected by other agencies and consultants.

What are the top three lessons learned from this project that would be important to communicate to others doing similar work throughout the Basin?

- (1) Gather data and implement necessary regulations to control development and protect sensitive eco-systems as soon as possible; preferably before a development 'boom' happens.
- (2) Make data easy to use. A report is necessary as a catalogue of the information gathered, but in order to use the information, the development of interactive maps and can be used by government, NGOs, developers and the general public will keep the data relevant, interactive and updateable.
- (3) Incorporate a public education component. In addition to proper regulation, public awareness of, for example, habitat loss due to unbridled development, should not be underestimated and will keep these issues on the minds of residents.

Project Effectiveness

Please describe how your project has addressed each Priority Activity identified in your Detailed Proposal.

Priority Activity ¹	How the Priority Activity has been Addressed
Integrated Planning and Governance	The Shuswap Lake Watershed & Foreshore Mapping Project has fostered closer working ties between the CSRD, DFO and MoE. Throughout the project, professional relationships among agency staff were strengthened and all those involved walked away with a better understanding of each agency's legislation, roles, responsibilities and enforcement mechanisms. This

	<p>project also will be used as part of the Shuswap Lake Integrated Planning Process (SLIPP), which includes all the agencies mentioned. Continued community education outreach events will reinforce our working relationships.</p>
<p>Habitat & Water Restoration and Stewardship</p>	<p>One of the most salient outcomes expected from this project will be the translation of 'raw' habitat data into policies, regulations and recommendations for future conservation and/or restoration. With concrete sensitive habitat data, the CSRD can justify the use of planning tools such as Development Permits to protect these areas from further degradation.</p>

¹Please paste each priority activity identified in your Detailed Proposal in the space provided.

Further Comments

Please provide any further comments including recommendations for future conservation efforts and suggestions for helping partners to meet the goals of the Fraser Salmon and Watersheds Program. If your project produced a narrative or scientific report or additional project products (e.g. maps, photos), attach them as an appendix.

At this time, information from this work will be incorporated into local government planning documents such as Official Community Plans. It will also be used by local governments, the Ministry of Environment (including as part of the Shuswap Lake Integrated Planning Process) and Department of Fisheries and Oceans to facilitate land use decisions. As mentioned above, this information is being used in another project to complete a habitat index. The habitat index project is nearing completing and the following are the next steps:

1. Completion of detailed reporting for the habitat index;
2. Preparation of a guidance document to facilitate risk based decision making that will be based upon information from the habitat index.

Future funding and efforts are required to finalize these next steps which will help all agencies better assess risks to fish habitats and more informed land use decisions.

Submission Instructions

Please send your Final Report electronically to your designated FSWP Staff Contact. If you are uncertain who this person is or how to contact them, please contact Tiffany Pither, FSWP Administrator.

Email: tpither@psf.ca

Phone: (604) 664-7664 Ext 119