

Fraser Salmon & Watersheds Program



2008 Final Report Template

FSWP File Number* #07350-35/FSWP 08 FM LR 29

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

Contact Information

Sponsoring Organization's Legal Name

Fisheries and Oceans Canada

Are you a federally registered Charity, Non-profit organization or Business (Yes /No)?						No
If yes, please indicate which.	<input type="checkbox"/>	Charity	<input type="checkbox"/>	Non-profit organization	<input type="checkbox"/>	Business
Registration number				GST number		
Are you a registered Society (Yes / No)?		No	Society Registration number			

Mailing Address

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Street Address (if different from above)

Project Manager¹

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¹ All correspondence will be directed to the Project Manager.

Alternate Project Contact

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Project Information

Project Title

Capture of sampling data submitted as condition of scientific licence.

Project Location

Kamloops & RHQ DFO offices

Amount Requested	\$15000	Total Project Value	\$46270	Non-FSWP funds ²	\$37770
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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.

In 2008, DFO added a licencing condition requiring submission of fish sampling data to the BC Ministry of Environment (MoE) Fish Data Submission system (forms and instructions at:

http://www.env.gov.bc.ca/fish_data_sub/

for freshwater scientific licences. DFO Kamloops office piloted use of this new condition. MoE managed data submitted using their service. MoE provided DFO with the data submitted by all MoE proponents having DFO licences, who had submitted reports to DFO. DFO tracked types of data submitted to the two agencies, evaluated the value of the data submitted and subsequently reported out, and documented issues.

There were two main deliverables of this project. First, this project was a pilot to test submission of sampling data from reports submitted to DFO using the provincial system. Second, an evaluation of the quantity and quality of data existing in report, submitted to the system and output from the system was completed.

It was demonstrated that the MoE data management system could meet the needs which DFO reports are currently meeting and likely more (e.g. the access to summary reporting and mapping functions). However, a number of outstanding issues remain to be resolved before it is recommended that all DFO offices use the new condition with the data submission requirement for freshwater licences.

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.

- **streamlining the gathering of data for the benefit of numerous stakeholders OR**
- **supporting a system of information sharing OR**
- **gaining efficiencies and information through co-operation**

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

DFO is interested in all salmon presence/absence at all stages as well as presence of any aquatic invasive species

Watershed(s) the project targets: please list

100, 119, 128, 129, 150, 160, 180, 182, 211, 230, 234, 310

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
There are two main deliverables. First, this project is a pilot to test submission of sampling data from reports submitted to DFO using the provincial system.	#1: Both the number of licencees submitting sampling data and the volume of detail provided in reports is substantially higher to the provincial site than DFO, even when the request for both reports was made in the same DFO licence. Communication between MoE, DFO, and certain proponents has been open and direct, with requested submissions generally promptly forwarded to DFO.
Second, an evaluation of the quantity and quality of data existing in reports will be completed. Much of the work will be mining existing reports submitted as a condition of scientific licences for salmon observations and habitat inventory data, and submitting that information using the provincial system.	#2: 66 DFO scientific licences were issued in BCI in 2008. Of those, 27 asked for report submission to both DFO and MoE. There were 22 solid matches that could be compared. Appendix I indicates the data in those 22 reports submitted to DFO as compared to MoE. The six reporting salmon presence are indicated in orange. MoE reports contain more fish, habitat and capturing data than DFO reports. At the same time background and client information is richer in DFO reports. Salmon data is reported in both cases but there is more detail in provincial submissions. The MoE site offers detailed habitat information input options but only five of the licence holders from this sample had entered any data in that section. Data capture and reporting system components were evaluated (see Appendix II)
Further work may entail contacting staff and licence holders to locate a final report.	The "further work" of contacting licencees became a substantial part of this project and the dialogue to acquire and match reports provided useful, proponent information as well as insight into working co-operatively with MoE staff.

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).

- 1) Number of reports summarized and uploaded using BC Fish Data Submission tool by: 1) contractor and 2) DFO licencees

It was not necessary for the contractor to upload any reports to BC Fish Data Submission tool. From the matched sample of 22 DFO licence holders, all of them had uploaded reports to BC Fish Data Submission tool. Of the full 66 licences issued by BCI in 2008, all who completed projects and found fish submitted data to BC Fish Data Submission system.

- 2) Number of salmon presence observations and habitat inventory records added to FISS from this source **FISS gained 6 salmon presence observations & habitat inventory records from these DFO licencees. One of those salmon reports included detailed, habitat information.**

- 3) Issues encountered by licence holders, licence issuers, contractor(s) will be documented. **Licence holders would like to submit one report to both agencies for the same sampling event. DFO does not have a standard format whereas MoE does. Data submitted to MoE should eventually be reported out through Internet queries, mapping and data warehouse downloads. Compliance with reporting conditions can be an issue, and often requires some follow up. Many licence holders are willing to submit additional habitat data if they know it will be managed and used by decision-makers. Decision-makers don't always use all the reporting tools or know where they are. They are looking for a one shop stop. FIDQ and Habitat**

Wizards provide much of the functionality users are looking for but more detailed data is managed in FDIS. DFO and MoE permits may not match one to one, depending on how proponents applied for them.

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. Standard reporting conditions and requirements help proponents meet licence conditions, and improve reported data management and accessibility.
2. MoE data systems warrant support for continual updating and development.
3. Data users and decision-makers would benefit from training and encouragement on the use of Internet reporting and mapping tools.

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
<i>Standardized monitoring, including juvenile assessment, stock assessment frameworks and fish distribution</i>	DFO scientific licence conditions have long requested monitoring information and this project illustrated the extent to which those reports are more often submitted in more detail to MoE. As well, FISS, unlike the paper copies of reports submitted to DFO, is readily integrated into an integrated system.
<i>Development of tools that protect habitat (including best management practices, plans, models, guidelines, evaluation/monitoring tools, etc)</i>	The submission of reporting data to MoE supports development of a system of tracking and analysing tools for planning, model development, guidelines development, evaluation and monitoring.
<i>Development of tools and supports to increase community capacity for engagement (e.g., information sharing techniques/tools; summaries of community values and interests, etc.)</i>	Expansion of the data system encourages greater usage by a wider range of community organizations as FIDQ becomes more obviously a user-friendly source of up-to-date information. This can be drawn on for making cases, presentations, research and planning of any individual/organization trained on usage.
<i>Gathering information or conducting research to support behaviour change:</i>	Finger-tip accessible information facilitates access to data and maps to make a better decision. Training of community groups, stewardship groups, First Nations organizations would put those powerful tools at their fingertips.

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.

Projects that require scientific licences can generate copious volumes of timely, high-quality data that can contribute to publicly accessible databases. The trend toward that has been supported within MoE and by stakeholders for several years. In the current context of budget constraints and the expanding database literacy of the population, this is the ideal time for all to contribute to developing evolving information management systems and to train people for optimal usage.

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