

Fraser Salmon & Watersheds Program



2010/11 FINAL REPORT

FSWP File Number*	FSWP 10 D 44 HWRS
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* Please use the FSWP File Number provided in previous FSWP project correspondence.

1. Project Information

1.1. Project Title

Bonaparte Watershed Streambank Restoration Project

1.2. Proponent's Legal Name

Bonaparte Watershed Stewardship Society

1.3. Project Location

Bonaparte River Watershed

1.4. Contact for this report

Name: Mike Wallis

Phone: 250-573-7838

Email: mikewallis@hughes.net

1.5 Funding Amount

Original Approved Grant Amount:	Total FSWP Expenditures:	Final Invoice Amount:	Final Non-FSWP leveraging, including cash and in-kind:
\$39,833	\$39,833	\$7,966.60	\$24,978

2. Project Summary

Please provide a single paragraph describing your project, its objectives, and the results. As this summary may be used in program communications, clearly state the issue(s) that were addressed and avoid overly technical descriptions. Maximum 300 words.

The objective of the project was to review Bonaparte watershed low flow issues and develop a water conservation strategy. This was accomplished by building upon relationships established within the watershed planning and restoration program through the past decade. The project succeeded in assessing water issues at a watershed scale and in expanded with new partnerships in headwater areas of the Upper Bonaparte. New education opportunities about key salmonid habitat values resulted as well as opportunities to support small scale water management improvement demonstration projects in the lower and the upper watershed. The findings of the water use review were that although there are licensing, low flow, supply and demand issues at a watershed scale there are also many opportunities to utilize existing resources much more effectively and help mitigate supply issues at a watershed scale. In addition opportunities for further water management improvements were identified including improved governance and licensing, storage and conservation that support sustainability, with benefits for fish and human use.

OPTIONAL: Please give a short statement (up to 100 words) of the most compelling activity or outcome from your project.

An outstanding feature of the project has been the opportunity to use Coho salmon as an indicator of ecosystem health and watershed sustainability as an interest in common in developing cooperative interaction on tough issues such as improving water management. By presenting information that highlights mutual interest (Coho and watershed health) concerns in common (sustainable water supply) can be addressed. By identifying the key water management issues that are potentially divisive and then reframing the issues, as opportunities for positive change, participants have supported improved planning and have undertaken some small scale individual demonstration actions that support fish and other ecosystem values.

3. Final Project Results and Effectiveness

3.1 Please copy THE EXPECTED DELIVERABLES from your detailed proposal and insert into this table. Add additional rows as needed. Then describe the FINAL DELIVERABLES (the tangible end products resulting from this work) associated with each expected Deliverable.

If FINAL DELIVERABLES differ from the original EXPECTED DELIVERABLES, please describe why, and the implications for the project.

EXPECTED DELIVERABLES	FINAL DELIVERABLES
1. Assess existing flow and water supply data	Watershed based water supply information was summarized.
2. Assess existing water demand data	Watershed based water demand information was summarized
3. Develop options for improved water management	Options for improved water management were reviewed and discussed.
4. Undertake small scale demonstration pilot project	Small scale water conservation projects were undertaken with individuals in the upper and lower watershed to engage involvement
5. Report on results including options for improved water management and recommended next steps	A report summarizing future options and recommendations was completed

3.2 Please evaluate the EFFECTIVENESS of your project in achieving Project Objectives. Identify the indicators you have used to measure the effectiveness of your project. Please include any notable successes or challenges.

Indicators of success include the collation of existing information from agency sources and local knowledge into a summary of water resource availability and use that is specific to the Bonaparte watershed, in a format that is accessible to watershed residents. In addition the establishment of some new upper watershed interest in the program as well as the undertaking of small scale demonstration projects to engage participation also demonstrates project success.

3.4 IF applicable, please describe how your project has achieved one or more of the following supported processes (Section 2.2 of RFP; section 7 of detailed proposal template). If results differ from those originally anticipated, please describe.

Engagement of First Nations. Please specify who, and in what capacity.	The 2010 project also engaged with and supported the Bonaparte Band with some assistance from DFO. A local band Contractor that a relationship was built with during previous restoration activity undertook pilot scale water conservation projects in the Lower Watershed in Hat Creek The projects were a natural extension of the relationship the BWSS has built with the Bonaparte Band by undertaking cooperative planning and restoration activities in the southern watershed.
Active partnerships with one or more organizations.	Landowners, BC Cattleman's, FRISP, DFO, MOE, CN and the Bonaparte Band all engaged with the BWSS in the 2010 projects cooperatively
Engagement and participation of diverse and under-represented groups.	Concepts for improved water management were vetted at public meetings including a special meeting held in the upper watershed, from which new upper watershed partnerships were established in 2010
Relationship building, as a foundation for sustainable, enduring activities.	The relationships built through the cooperative activity of the BWSS over the past 10 years build trust and support for the concept of healthy salmonid presence being an indicator of sustainable water management.
Capacity building, including mentorship models, leadership training and skills development.	Local landowners had the opportunity to participate in and learn about water management opportunities and instream fish habitat values through the projects that were undertaken
Recognition and support of champions and their initiatives.	The small demonstration project undertaken in 2010 will be used to champion future support individual actions to improve water management practices
Opportunities to influence policy and decision making,	Participation in WAM invitational input sessions were attended by three BWSS representatives to promote the local ideas about improved water management to the provincial government, as well as subsequent WAM web site input. The group believed they had an opportunity to affect positive change, were equipped with sufficient information from this project and were motivated to participate at their own expense.

3.5 Please describe how the benefits of this project will be sustained and/or be built upon into the future.

What are the planned next steps, or recommendations for further work, if applicable?

There is significant opportunity to undertake further water management improvement. The successes of the BWSS over its first 10 years and its recent venture to include improved water management perspective within its watershed wide sustainability plan beginning with the FSWP sponsored WFSP watershed planning activity help build support for salmon as a part of watershed sustainability. Future activities to support sustainable water use include irrigation efficiency, advocating for sustainable water storage, supporting the concept that instream low flow needs must be met as part of the water use plan, supporting the new MOE Water Act Modernization implementation phase, and continuing to communicate and participate throughout the watershed to educate and demonstrate practices that support sustainable development

3.6. What are the top three lessons learned from this project that could be useful to communicate to others doing similar work in the Basin?

- 1.** take small scale demonstration actions along with planning
- 2.** To improve water management, it is important to participate development of improved water management governance tools (WAM)
- 3.** Seek concerns in common when addressing tough issue such as water management, to garner support for a vision in common

REQUIRED: Attach all **DOCUMENTATION** of Final Deliverables, and **LIST** attachments in Section 7. These may include technical reports, maps, photos, evidence of communications, lists of meeting participants, etc.

4. Outreach and Communications

Please describe how you have communicated project activities and results within local and basin-wide communities, across organizations and/or to decision makers.

Please list and attach copies of (or links to) any communications materials from these efforts that you have not previously submitted.

Two public meetings were held to describe the water management issues, including a presentation to upper watershed parties about the capacity and limitations of the Bonaparte Dam as a water management tool, and water management at Green Lake, as well as landowner conversations, participation in developing the governance modernization model for improved water management in BC (WAM) by Bonaparte representatives.