

Fraser Salmon & Watersheds Program



2008 Final Report Template

FSWP File Number*	FSWP-D63-1
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*Please use the FSWP File Number provided in previous FSWP 2008 project correspondence

Contact Information

Sponsoring Organization's Legal Name

Bonaparte Watershed Stewardship Society

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

If yes, please indicate which.	<input checked="" type="checkbox"/>	Charity	<input type="checkbox"/>	Non-profit organization	<input type="checkbox"/>	Business
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Registration number	CR 8912 50912 RR0001	GST number	
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Are you a registered Society (Yes / No)?	Yes	Society Registration number	S-0042680
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Mailing Address

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Project Manager¹

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¹ All correspondence will be directed to the Project Manager.

Alternate Project Contact

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Partners / Subcontractors

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Project Information

Project Title					
Watershed Fish Based Sustainability Plan Year 2					
Project Location					
Bonaparte River Watershed					
Amount Requested	\$40,000	Total Project Value	\$95,893	Non-FSWP funds ²	\$55,894

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	
<p>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.</p>	
<p>The objective of the 2008-2009 WFSP planning project was to build upon progress made during year one (2007-08) in watershed planning (which focussed primarily on Stages II and III of the WFSP process) and continue in 2008 with Stage IV of the WFSP planning process (Refine and Implement the Plan) by short listing and focussing on some key action items and by holding meetings within the less familiar areas of the watershed to begin seeking ways to implement recommended actions. The goal was to advance the understanding, acceptance and participation in watershed planning and action by holding meetings with interested groups at various locations in the watershed, explain the process, guiding principles, features, values, goals, objectives and recommended actions of the plan as identified to date and ask for feedback on the watershed plan. As part of the 2008-2009 workplan a series of action recommendations (provided below) was short listed from the 2007-2008 plan from 12 recommended action areas selected in 2007-08 1: Watershed Planning, 2: Watershed Health, 3: Particiaption, 4: Communication and Involvement, 5: Using available mapping data and information, 6: Riparian area program, 7: Fish and fish habiat, 8: Water quality program, 9: Water supply program, 10: Sustainable agriculture program, 11: Forest and Forest health, 12: Other development activity involvement. Within those 12 broad categories some specific recommendations were short listed for action . Not all of these were expected to be addressed this year ; however the list was used to motivate action and generate interest and ownership of the plan as it continues to transform from a planning tool to an action tool. The list of activities was selected from a larger watershed planning document developed in 2007-2008, with some short and long term objectives, all of which fit under the 12 categories of interest that were identified as key areas of focus supporting watershed sustainability.</p> <p>An amazing amount of progress was made through collective effort on those items as detailed in this summary document with the final outcome of 2008-09 efforts being improved awareness and acceptance of the watershed plan throughout more remote areas of the watershed. This was accomplished by attending local community meetings are various venues, describing the progress to date and asking local communities for support and comment on the plan and ways to transform the plan into key demonstration value actions. Several important actions came about as a result of travelling to communities to explain the opportunities within the plan short listing the recommended actions onto a target action list</p>	
<p>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.</p>	
<p>Species and life stage(s) the project targets: please list</p>	
<p>The project seeks to raise awareness and encourage positive action to support wild coho, chinook, pink, steelhead and</p>	

other wild salmonids utilizing the Bonaparte and the surrounding Conservation Unit. Salmon habitat has been severely degraded in the watershed and the WFSP has improved understanding of fish values and willingness to take positive actions that will better support spawning and rearing activity by these salmonid species.

Watershed(s) the project targets: please list

The short list of actions that were used to motivate meeting attendance and participation in refining the watershed plan and undertaking key actions are provided below. In watershed planning there is a continuum over time where items addressed motivate new plans and actions, and items not yet addressed stay on the list until they can be addressed. It was not intended that all of the below items be accomplished in 2008-09 as these are simply one subset of a larger list developed that describes a sustainable watershed under the 2007-08 watershed planning process, but that the list be used to stimulate Stage IV (Refine and Implement the Plan) of the WFSP: to explain the plan, generate interest and awareness and participation in refining the plan and to demonstrate through some key actions a level of support and willingness to participate within various communities of the watershed

BWSS Watershed Planning Project 2008-2009 2008 Workplan Priorities From 2007 Watershed Planning Recommendations List

1 Watershed Planning

- Develop workplan for the year, list of events, calendar, contacts
- Continue with next stage of watershed planning (implementation steps and continuing to upgrade gaps in the plan)
- Review technical reports collected and write a summary of known information
- Identify info gaps, modify workplan to accommodate gaps as feasible
- Organize public events: meetings, presentations (ex: R Winkler Forest Hydrology and Bark beetle, A Peterson Irrigation Efficiency Project , Field Activities)
- Prepare project for off the shelf funding applications (L Hesketh FRISP, EFP, NWSEP etc)
- Integrate water use plans, LRMP, CLUP and other existing initiatives

2 Watershed Health

- Define method and begin to monitor watershed health (FBC)
- Select and start to monitor a few indicators

3 Participation

- Broaden participation with meetings in different locations within the watershed esp. north, Broaden group participation ex: cattleman's groups, forest companies, MOE, developers, recreationalists etc see list of potential participants)
- Citizen monitoring
- Engage school groups
- Tour irrigation efficiency project
- Wetland construction presentation
- Link to Horsefly group

4 Communication and Involvement

- Website
- Renew contacts with previous participant
- Public display at Museum in Hat Creek
- Consider other signage opportunities
- Provide contacts list of everyone to everyone
- Decide on library location

5 Using available mapping, data, information

- Develop our own base maps so we can generate project maps at will

6 Riparian Area Program

- Continue Streambank Restoration: 9-15 new sites
- Document review and assess restoration sites done to date
- Begin to inventory restoration sites that should be done (potential restoration sites)

- 7 Fish and Fish Habitat Program
 - Do some preliminary groundwater/fish habitat assessment work along the river
- 8 Water Quality Program
 - Determine a water quality monitoring plan that works for us including partners
 - Try to describe the economic value of water better
 - Ask Scwepnec FC for a presentation on their fish and groundwater research
- 9 Water Supply Program
 - Review flow data and determine flow monitoring plan that works for us including partners
 - Develop and outline for a water storage plan
- 10 Sustainable Agriculture Program
 - Track the irrigation efficiency project
 - Track the land use assessment project
 - Assess water storage opportunities
- 11 Forest and Forest Health
 - Ask for presentation re Bark beetle impact forecast
 - Integrate assessment of beetle damage to water management and storage plan
- 12 Other development Activity Involvement:
 - Assess water demand in the watershed

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
A description of priority actions in the areas important to the group such as funding procurement, information gaps, monitoring, assessment, planning, restoration, education, partnership building etc. that the planning group may identify	Directors meetings were undertaken to review the WFSP watershed planning Stage II and III final products of 2007-08 and devise a workplan for undertaking the 2008-09 Stage IV actions. Priority actions were identified from the 12 categories of recommended action areas selected in 2007-08 as follows: 1: Watershed Planning, 2: Watershed Health, 3: Participation, 4: Communication and Involvement, 5: Using Available Mapping Data and Information, 6: Riparian Area Program, 7: Fish and Fish Habitat, 8: Water Quality Program, 9: Water Supply Program, 10: Sustainable Agriculture Program, 11: Forest and Forest Health, 12: Other Development Activity Involvement.
An annual workplan for year 1 of implementation will be developed.	. A workplan consisting of a subset of potential actions from the 2007-08 plan was agreed upon as a list to work toward 2008-09 and a schedule for undertaking key meetings and demonstration projects was developed.
Stage IV of the WFSP planning process will be undertaken	Stage IV actions were undertaken following the workplan priorities including: develop a calendar of events , upgrade information gaps, organize public events at various news locations in the watershed , prepare off-shelf prescriptions for future funding opportunities, initiate monitoring of watershed health, broaden participation

	<p>with community meetings, renew previous and new contacts, designate an individual to work on a public education display, involve a local person in organizing and undertaking meetings, assemble a library collection of Bonaparte watershed reports accumulated to date, develop a collection of watershed base maps, document restoration site activity accomplished over the past 9 years into a GIS based site inventory, list potential restoration sites for future works, organize a preliminary groundwater/fish use assessment project by identifying key groundwater sites, develop an outline for water supply and storage assessment, seek funding for water supply and restoration activity in 09-10, incorporate a presentation about the impact of bark beetle in watershed hydrology to an upper watershed community meeting, accept and incorporate new input and partners to the watershed plan. In addition considerable in-kind resources and funding were provided by FRISP, AAFC MAL, DFO and others to undertake a weather station installation, an irrigation efficiency demonstration project an off channel livestock watering demonstration site, prescription preparation, and an inventory assessment of past restoration sites, all of which support the goal of the watershed plan.</p>
<p>A summary report will describe the recommendations that contribute to a sustainable Bonaparte watershed, including fish and fish habitat related goals, objectives, indicators, targets, and actions;</p>	<p>An information package, slide show and various presentations were developed and presented at meetings in Clinton, Lone Butte, Watch Lake, Cache Creek as well as information transfer that occurred at several smaller less formal meetings. A draft summary report was also developed that reviews existing information about the watershed involving participation by a local citizen interested in organizing for future activity . The development of the draft has served as an education tool for local individuals promoting local ownership of the plan and the product serves as a preliminary summary existing information about the watershed in terms of trends and conditions as well as serving as a watershed character gaps analysis to highlight areas in which more information is needed</p>
<p>A GIS map series will be provided showing key watershed attributes relevant to the action plan</p>	<p>A series of GIS maps were produced from existing information data bases to add to the map library including: Resource management zones, bio-geoclimatic zones, pine dominated forest cover, Land sat ortho photo mapping, Range Tenure and Operating Areas, Guiding Territories, Licensed Trapping Areas, Agricultural Land Reserve, Critical Fish Habitat Areas, Aquatic Features, Fish Inventory Mapping, Water Use Wells, Points of Diversion/Points of Extraction). In addition a new map was generate documenting the location of nearly 70 restoration sites that have previously been undertaken but never documented under one summary as part of an existing site inventory , as well as recording the location of 7 key groundwater sites along the Bonaparte River for further fish/groundwater relationship studies.</p>

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).

The process succeeded in undertaking Stage IV WFSP to "Refine and Implement the Plan". This was accomplished by reviewing and advancing the watershed plan through a the first annual watershed workplan, which included selecting a subset of priority actions to work towards from then larger plan and to raise awareness and garner support for next steps from communities within the watershed. Priority actions were identified. A subset of potential actions were selected and a schedule for undertaking key meetings and demonstration projects was developed. With this as an annual pattern for future years which can be revamped and repeated each year various key activities can be undertaken, focused fund raising can be undertaken to address these priorities within the context of the larger watershed picture, the ownership and support evident from participants at the meetings a can be built upon and a series of tangible actions can be used to build momentum between planning and action for fish, fish habitat and other related watershed values. In this way the planning process can be brought forward year to year as a tool to maintain focus, help prioritize, involve new partners and develop a broader more inclusive view of the watershed by engaging community in promoting salmon as a highly valued public good (public awareness/education component) and as an indicator of overall watershed health.

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) local community ownership of the plan is critical.
- 2) participants get interested in participating when some action seems to come out of then planning discussions.
- 3) a priority for next year is to specifically undertake a few key actions in communities where interest was shown to reinforce that local ownership of the planning results in local actions being supported by partnerships.

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
<p>The following criteria will be used to monitor the project effectiveness. Immediate effectiveness will be evident by the end of the planning project and will be indicated by the clarity of watershed sustainability goals, objectives, indicators, targets, indicators, recommended programs and actions that the participants can produce using the planning process. The number of participants, in-kind resources contributed, range of participation and depth of watershed characterization as well as the spectrum of the fish and fish habitat aspects considered by the plan will also indicate success. The satisfaction level of participants with the process and their willingness to participate in implementation following planning will also indicate success. Long term measures of success will include the longevity of the WFSP, its resilience and capacity to remain flexible, comprehensive, and responsive to new information and changing watershed conditions.</p>	<p>By developing and undertaking the first annual workplan that is part of an continuum toward long term goals a strong linkage can be maintained between planning and field actions by generating products along the way that have meaning in the larger context. This pertains to such products from this year as salmon habitat restoration work, the inventory of previously restored sites, lists of potential future restoration sites , groundwater/fish habitat assessments, education and awareness initiatives through locally controlled program organization and management, off channel livestock watering and irrigation efficiency demo projects, and a weather station installation. By clarifying and describing the local view toward goals, objectives, indicators, targets and developing recommended action programs the value of the FSWP sponsored WFSP planning will continue to pay a dividend. Through the WFSP a broad spectrum of fish and fish habitat components have been accepted as integral components to the plan. From the interest expressed at meetings in continuing to participate the planning process and products to date appear to provide the necessary resilience, capacity, comprehensiveness and responsiveness to suggest opportunity for long term success.</p> <p>Continue to pay a dividend</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.

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

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