

Fraser Salmon & Watersheds Program



2011/12 FINAL REPORT

FSWP File Number* FSWP 11 74 XX HWRS

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

1. Project Information

1.1. Project Title

Dragon Creek Day lighting and Culvert Replacement

1.2. Proponent's Legal Name

Baker Creek Enhancement Society

1.3. Project Location

Dragon Creek Watershed/ Quesnel River Watershed Quesnel, B.C.

1.4. Contact for this report

Name: Tracy Bond

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1.5 Funding Amount

Original Approved Grant Amount:	Total FSWP Expenditures:	Final Invoice Amount:	Final Non-FSWP leveraging, including cash and in-kind:
30,000	30,000	19,500	130,200

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.

This Dragon Creek Culvert Replacement and Daylighting project had developed partnerships between Baker Creek Enhancement Society, DFO engineering staff, City of Quesnel, Lhtako Dene Nation, Ministry of Transportation, West Fraser Timber Park and Cariboo Regional District for the enhancement of Dragon Creek Watershed. We have had discussions with Lhtako about the possibility of coming in as a funding partner in future works and perhaps creating employment for band members. There are some upstream issues with flooding that the City of Quesnel, MOE and DFO are working through. There is additional information that needs to be collected before the culvert replacement begins.

There have been new staff and elected officials that have not been involved in the past planning of this project and we are in the process of presenting the project again to ensure we all have the same information.

There has been and will continue to be a need for meetings to exchange updated information, concerns and issues within the whole watershed not just for the culvert replacement.

Once further funding is secured and information is collected the culvert will be replaced and the volunteer planting and education will begin.

Everyone involved in Dragon Creek has committed to it's long term health and restoration where required.

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

Dragon Creek has a number of issues such as lake levels, creek levels, flooding of private property, the upslope pavement which has led to faster water movement with more gravel collected and moved downstream, it travels through First Nations, Cariboo Regional District, City of Quesnel and private property and it has a wetland on the lower reach.

Most compelling result has been the complexity of a relatively small watershed and the potential for such great grass roots engagement. The entire Dragon Creek Restoration (not just this project of culvert replacement) will be a lengthy (10 years), complicated procedure but will be a fantastic legacy and all partners are committed to work towards all the issues over the long term.

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. Secure Funding and Partnerships required to replace culvert on outlet of Dragon Creek	1. There is still some work in this area to be completed as we are still waiting for funding confirmation which is expected this spring/e
2. Replacement of first fish barrier and with larger open bottomed pipe	2. There is some need for some further work on utility depths that needs to be completed, this was unanticipated. But should be done this spring.
3. Volunteers to replant site after equipment has completed culvert replacement and site prep.	2. We have many volunteers and groups that are ready to replant.
4.	
3.2 Please evaluate the EFFECTIVENESS of your project in achieving Project Objectives, using the specific measures of success identified in your proposal. Please include any notable successes or challenges.	
<p>Due to many variables the culvert has not been replaced and the benefits of volunteer and community engagement aspect have not been reached. However, the partnership development continues to be the primary phase we are in at this time and is particularly important for these partnerships to continue working together in this watershed at this time. This phase does have the potential of meeting a greater need of the entire watershed over the long term.</p> <p>The in-kind and financial contributions are still being secured.</p>	
3.4 If applicable, please describe project outcomes that relate to one or more of the following strategic approaches (Section 2.1 of RFP; section 8 of detailed proposal template), and include specific examples.	
Engagement of First Nations. Please specify who, and in what capacity.	Had 2 meetings and one field visit with Lhtako Dene Nation to keep them updated of project. We have discussed how else they may participate in the field portion of this work.

Active partnerships with one or more organizations.	Fisheries and Oceans Interior Restoration Team, City of Quesnel are providing all the technical advice for the planning and phasing of the project.
Engagement and participation of diverse and under-represented groups.	The planning and development of this project is giving us a reason to work with Lhtako Denes, and the replanting will provide volunteer opportunities for local youth.
Relationship building, as a foundation for sustainable, enduring activities.	Dragon Creek Culvert is ensuring that City, CRD, MOE, DFO, local community and First Nations works together. These relationships will help us in future stewardship works.
Capacity building, including mentorship models, leadership training and skills development.	Once field work is complete local media, tours, nature programming and signage will not only increase awareness about salmon but what we can do to help them. The Dragon Creek Restoration Project will allow B.C.E.S. to lead the community and local partners on what can be done in our own communities to help salmon. Dragon Creek is located within meters of the Nature Education and Resource Centre that Baker Creek runs which currently hosts 2-4,000 participants per year.
Recognition and support of champions and their initiatives.	NA
Opportunities to influence policy and decision making,	Currently Dragon Creek is sometimes viewed as a mechanism to remove surface water not as a functioning riparian system. Dragon Creek has many issues that affect the municipality and the potential is to work with all partners to come up with a better solution to the long term health Dragon Creek area.
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?	
<p>Next steps are to get the \$10,000 to do the utility depth testing. We have some verbal commitments for this funding and the testing will be done possible in May or early June. DFO Engineer will include that information in engineering plans. BCES, DFO engineering staff and local consultants are also setting up more stakeholder meetings for the whole Dragon Creek Watershed for May/June and are presenting to City Council and Cariboo Regional District as there are new elected officials we need to update.</p> <p>This culvert replacement is one step of a much larger long term plan to enhance the entire Dragon Creek Watershed as outlined in the Dragon Creek Stewardship Plan.</p>	
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?	
<ol style="list-style-type: none"> 1. It takes a lot of volunteer and paid time to work with the various partners. 2. Have funding available for unanticipated costs. 	

3. There are many issues that are out of our control when dealing with partners.

3.7 REQUIRED: Attach all DOCUMENTATION of Final Deliverables, and LIST attachments in Section 8. 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.

NA