

Fraser Salmon & Watersheds Program



2011/12 FINAL REPORT

FSWP File Number* FSWP 11 71 xx SIFM

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

1. Project Information

1.1. Project Title

Upper Lillooet River Juvenile Salmon Presence Survey

1.2. Proponent's Legal Name

Mount Currie Band – Lil'wat Nation

1.3. Project Location

Nearest Municipality is Village of Pemberton

1.4. Contact for this report

Name: Maxine Bruce

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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:
\$15,897.00	\$15,897.00	\$10,333.05	\$8,482.00

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.

During the months of April 2011 and May 2011, the Lil'wat Nation – Mount Currie Band's Fisheries Program conducted a juvenile salmon presence survey in the Upper Lillooet River and tributaries for the purpose of confirming salmon presence. The information gathered is an appropriate step to contributing to the importance of managing any salmon fishery in the area.

The Mount Currie Band Fisheries Program provides opportunity for on-the-job experience in Fisheries Field work that strengthens their skill in stewardship and specific to data collection. By initiating and the implementation of the project, the Lil'wat Fisheries Technicians can experience their responsibility in the area of fisheries management and can be engaged in discussions around management issues of the salmon stocks within the Lillooet River watershed.

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

The summer of 2010, a major land slide impacted the upper Lillooet River and tributaries, it is due to this natural disaster as a reason to check for salmon presence in the upper Lillooet River system.

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. Annual Estimate of Juvenile salmon presence in the Upper Lillooet River Watershed	See attached report
2. To collect Juvenile presence data and Habitat assessment data concurrently and shall be recorded on maps through the Mount Currie Band's Geographical Information System.	See attached report
3.	
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.

The Lil'wat Nation – Mount Currie Indian Band's 5 Year Strategic Plan 2010 to 2015 is used as a primary guide for the Land and Resources Department's development of strategies and objectives and incorporated into the budget planning on an annual basis.

- To undertake a structured assessment of juvenile salmon presence and distribution on the Upper Lillooet River watershed.

As per our workplan; the Lil'wat Fisheries Technicians on day 1 set minnow traps in the main stem and additional traps in and about the tributary near and upstream of the confluence on each creek for the purpose of juvenile salmon presence.

- To collect juvenile presence data and habitat assessment data concurrently and shall be recorded on maps through the Mount Currie Band's Geographical Informational System department.

In the absence of the Geographical Informational System technician, Google earth is utilized for the purpose of making a summary density report of data collection areas to in order to have a mapped out version of the work accomplished. These areas can be represented by an "X" or a polygon.

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.	The Lil'wat Nation undertakes an annual large-scale salmon stock assessment program on the Lillooet River system and tributaries. The Lil'wat Nation has a number of well experienced fisheries technicians with the ability to undertake these types of projects. The Salmon Stock assessment program is coordinated by a Lil'wat Nation member who receives guidance from a registered professional biologist.
Active partnerships with one or more organizations.	The Lil'wat Nation has partnered with the Squamish Lillooet Regional District in flood mitigation efforts, the fisheries technicians are currently involved in the a photo-point monitoring program for the purpose of measuring of any changes to the river system post mitigation.
Engagement and participation of diverse and under-represented groups.	The Juvenile salmon presence program was successful in assisting the nation build capacity in the area of fisheries management. The funds achieved through funding application is limited, but enables the Lil'wat Nation to hire the youth and build on the training they already hold such as Fisheries Field Technician training.
Relationship building, as a foundation for sustainable, enduring activities.	In June 2011, the Lil'wat Fisheries Technicians along with Stewardship

	<p>Pemberton celebrated their partnership efforts at the Grand Opening of the One Mile Nature Center. A member of the Lil'wat Nation experienced on the job training through the Juvenile Salmon Presence Survey funded by the Fraser Watershed Salmon Program and subsequently continued her employment by being involved in the construction phase of the One Mile Nature Center. The main task for our fisheries technician was to conduct environmental monitoring, collection of water quality sampling and photo-point monitoring.</p>
<p>Capacity building, including mentorship models, leadership training and skills development.</p>	
<p>Recognition and support of champions and their initiatives.</p>	
<p>Opportunities to influence policy and decision making,</p>	
<p>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>	
<p>The Lil'wat Nation signs a project funding agreement, with the Department of Fisheries and Oceans, on an annual basis for the purpose of conducting a large-scale salmon stock assessment program. An annual juvenile salmon presence program will confirm juvenile salmon presence in the watershed will eventually lead to a characterization of the spawning population and the information gathered will be valuable in our assessment of the terminal area fisheries.</p>	
<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?</p>	
<p>1. improved technology requires improved technical tools 2. partnerships are positive 3. importance of approved training and education</p>	
<p>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.</p>	

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.

From time to time, the Lil'wat Nation – Mount Currie Band's Fisheries Manager visited the Xit'olacw Community school and the Signal Hill public school for the purpose of salmon education and awareness. The T-shirt/caps/button with the slogan "Thinksalmon" were a big hit with the school kids. Much appreciation to the FSWP for your contributions.