

Fraser Salmon & Watersheds Program



Fraser Basin Council



2010/11 FINAL REPORT

FSWP File Number [*]	FSWP 10 D SIFM 56
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* Please use the FSWP File Number provided in previous FSWP project correspondence.

1. Project Information

1.1. Project Title

Upper Lillooet River Chinook Presence Assessment

1.2. Proponent's Legal Name

Mount Currie Indian Band

1.3. Project Location

Upper Lillooet River Juvenile Chinook Salmon Presence Survey in Lillooet River including major tributaries

1.4. Contact for this report

Name: Maxine Bruce

Phone: 604-894-2333

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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:
21024.30	21024.30	\$4,204.86	

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 Mount Currie Band – Lilwat Nation proposed to undertake a structured assessment of juvenile Chinook salmon presence on the Upper Lillooet River system for months of February/March/April /May 2010. The basis of observations of Chinook redds during a helicopter survey that took place in September 2009 and anecdotal information also suggest their presence. The study confirmed Chinook Salmon presence in the Upper Lillooet River and tributaries. This project's first step in identifying a population of Upper Lillooet River Chinook salmon stock. This project attempts to fill information gaps important in managing the Chinook Salmon fishery in the terminal area. The funds achieved through the Fraser Salmon Watershed Program complemented funds achieved from the Department of Fisheries and Oceans in order to make this project possible.

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

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. An assessment of juvenile Chinook Salmon presences in the Upper Lillooet River watershed. This information will be delivered in report and database format.	Please find the attached report in PDF format.
2. An assessment of general habitat features and Chinook spawning habitat availability in the Upper Lillooet River system. This information will be delivered in report and database format as well as GIS format.	Please find the attached report in PDF format.
3. Although not direct deliverable from this study, a full characterization of Chinook populations within the study area is our long term objective	The Lil’wat Nation in it’s efforts to access Chinook Salmon for food, social and ceremonial purposes will continue to apply time and effort in the collecting information in order to have a full characcterization of the Chinook salmon populations with our traditional territory.
4. This work will be undertaken and managed by the Lil’wat Nation. This directly builds capacity with the Lil’wat Nation with respect to stewardship of the natural resources within our traditional territory.	The project was guided by Greenbank Environmental Services and Coordinated by Maxine Joseph Bruce a member of the Lil’wat Nation and data collection was conducted by the Lil’wat Nation Fisheries Technicians.

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.

Objective #1 – To undertake a structured assessment of juvenile Chinook Salmon presence and distribution on the Upper Lillooet River watershed.

The Lil'wat Nation's efforts in data collection regarding the proposed structured assessment of juvenile Chinook salmon presence was completed with an abridged version of the methodology utilized to obtain the identity of the Chinook salmon population within the Upper Lillooet River watershed.

Objective #2 – to collect juvenile presence data and the habitat assessment data concurrently and shall be recorded on maps through the Mount Currie Band's Geographical Information System.

The raw data collected around salmon presence and fish habitat has been collected and is in the Mount Currie Band's GIS department and will be available once our GIS technician returns back to work.

Objective #3 – to Eventually characterized Chinook salmon spawning population in the Upper Lillooet River system.

The Lil'wat Nation applied time and efforts upon the return of the Adult Chinook salmon returns to identify Chinook Spawning presence in their spawning habitat.

Objective #4 – To build capacity in fisheries management for the Lil'wat Nation

The Lil'wat Nation considers the proposal writing efforts as a form of capacity building. The fisheries manager applies time and efforts compiling information for the purpose of proposal development and submission. The Lil'wat Fisheries Technicians hold significant skill set in the area of enumeration the returning adult salmon within our traditional territory, with focus on this juvenile presence project the skill set of the Lil'wat Fisheries Technicians is expanding and requires further training opportunities similar to the training achieved through this project.

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 project was lead, managed and undertaken by members of the Lil'wat Nation.
Active partnerships with one or more organizations.	This project receives support from the Department of Fisheries and Oceans in the area of project management and financial contributions.
Engagement and participation of diverse and under-represented groups.	One Lil'wat Nation youth member was employed on this project. The youth member holds a Fisheries Field Technician certification and through the project obtained data collection experience.
Relationship building, as a foundation for sustainable, enduring activities.	On going relationship building is taking place in the are of salmon stock assessment, fish and fish habitat. The funds achieved through DFO AFS is considered base type funds that can be utilized as in-kind contributions to these types of projects.
Capacity building, including mentorship models, leadership training and skills development.	Greenbank Environmental Services trains the fisheries manager including the field crew supervisor in the efforts to conduct salmon stock assessment and similar process was included in this project from

	proposal writing to raw data collection methodology.
Recognition and support of champions and their initiatives.	Weekly email messages are sent to all staff of the Mount Currie Band providing updates of the activities of the Lil'wat Fisheries Technicians including updates on the returning adult Chinook stocks.
Opportunities to influence policy and decision making,	
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?	
The Mount Currie Band – Lil'wat Nation will continue to apply time and efforts to expand their salmon stock assessment program to include juvenile salmon presence within our traditional territory to ensure our access to food, social and ceremonial purposes.	
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. Access and weather constraints had the project limited to revisiting the daily logistics such as access to the tributaries listed in the work plan. 2. Cultural sensitivities had the guiding biologist revisit the methodology to produce an abridged version to reduce any unnecessary stress on the juvenile salmon. 3.	
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.

The project received significant in-kind contributions from the Project Funding Agreement that calls for adult salmon enumerations year-round.

Industry that are working in the traditional territory of the Lil'wat Nation have requested the use of the raw data collected as industry in conducting fish presence in the Upper Lillooet River watershed. Protocol guidelines are currently being developed for the purpose of information sharing.