

HRSEP 1998/99 Final Report

Category (Check one) RWS (Resource & Watershed Stewardship)
 HR (Habitat Restoration)
 ST (Stock Rebuilding)

Area (Check One) VI (Vancouver Island & South Coast)
 NCC (North & Central Coast and Yukon Territory)
 FRB (Fraser River Basin)

Proponent Information

<i>Organization Name</i>	Department of Fisheries and Oceans, Stock assessment division.
<i>Contact Name</i>	Dave Peacock/Mike Jakubowski
<i>Contact Title</i>	Biologist/Technician
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<i>Email</i> :			

Did you receive DFO input on this project? YES

Name of DFO Contact(s): Dave Peacock/ Mike Jakubowski

Project Information

NCC - ST-81
Round 2 Funding.

Project Title : Babine Fence Fence Extension.

Start Date :

End Date : Nov 15/99 98?

Project Rationale (Problem being addressed) : Accurately enumerate Coho entering Babine Lake.

Was a feasibility study or pre-assessment done for this project? Yes/No
If yes, please describe.

General Knowledge indicated that the fence was removed on previous years before all Coho had migrated.

Activity Type

Check all that apply

Inventory & Mapping _____ Stock Assessment x
 Public Awareness x Habitat Restoration _____
 Stock Enhancement _____ Stewardship/Community Planning _____
 Other _____ Specify _____

Project Objectives (from your proposal and/or agreement)

Objective # 1 : Provide accurate escapement data on Coho entering Babine Lake.

Was it achieved?: Yes. A total of 4,291 Coho were counted through the Babine Fence.
 Yes/No + Details Near 100% of Coho run was enumerated.

Objective # 2 : Provide information as to age, sex, and lengths of Babine Coho.

Was it achieved?: Yes, samples were obtained throughout the migration for DNA, lengths, sex and ages.
 Yes/No + Details

Partnerships

List and describe the personnel involved in the project.

Personnel were extended from the Sockeye enumeration program to complete this project.

of persons trained 2-4 # of volunteers involved _____
of persons employed 2-4 # of volunteer hours _____
person-days of employment created 120 approx.

Is the local community involved in this project? List and describe the partnerships involved.

No, The remoteness of the area does not enable community involvement.

Project Location

Check all that apply

(Check) (Details – name, code or other)

Water body / System(s) Babine River

Watershed(s) Skeena

Marine Statistical Area(s) _____

Other _____

Latitude : _____

Longitude : _____

UTM Coordinates : _____

Results/Quantifiable Measures

Species Addressed (Check as many as applicable)

<u> x </u>	Coho	<u> x </u>	Pink
<u> </u>	x Chum	<u> x </u>	Chinook
<u> </u>	x Sockeye	<u> x </u>	Steelhead

Habitat Addressed (Check as many as applicable)

<u> 0 </u>	In-channel	<u> </u>	Off-channel
<u> </u>	Riparian	<u> </u>	Estuarine/Marine
<u> </u>	Lake	<u> </u>	Other

For Mapping & Inventory Projects:

Was your data collected according to the DFO-HEB Info Mgmt. guidelines? (ref. Brad Mason) Yes/No
If yes, was it submitted in digital format?

Linear metres of area mapped:
Other:

For Stock Rebuilding Projects:

Adult Salmon Enumerated: 4,291
Juvenile Salmon Enumerated:
Salmon marked/Tagged or released:
Other:

For Stewardship/Community Planning Projects:

Public Presentations/Media Releases:
Landowners Contacted:
Other:

For Habitat Restoration Projects:

Fencing: m² (fence to bank) and kms protected :
Riparian re-planting (# plants/trees and m² area):
In-channel habitat (m² area of section restored)
Off-channel habitat (m² area created/restored)
Estuarine habitat (m² area created/restored)
Lake habitat (m² area created/restored)
Fish Access: (m² or km of habitat made available)
Other:

Project Description

Please enter a general project description below. Please include an overview of the methods and techniques used. If required, you may attach an additional sheet.

The Babine counting fence spans the entire width of the Babine River.

The fence has allowed Sockeye to be enumerated as they enter Babine Lake to spawn since the late 1940s. In recent years with concerns over Coho escapement to the upper Skeena tributaries accurate counts of Coho were desired.

All Coho spawning in tributaries of Babine Lake have to pass up the Babine River, therefore leaving the counting fence installed for an additional two months enabled an accurate escapement count.

Fish passing through the counting fence end up in one of seven traps situated across the fence. These traps provide an ideal location to sample Coho for sex, lengths, DNA and ages as well as checking for hatchery origin (by missing adipose fin).

The fence is open with personnel enumerating fish during daylight hours.

Follow-up & Monitoring

Please describe the current status of the project. Has the problem being addressed been solved? (see "project rationale") What are the ongoing issues in the area and your recommendations for future work.

The program confirmed that the bulk of the Coho passing the Babine Fence had previously not been enumerated.

In order to accurately enumerate Coho entering Babine Lake the number of days the counting fence is operational will have to be extended .

Supporting Documentation

You may attach additional documentation to illustrate your project's results. (optional)

Documentation Attached (Check as many as applicable)

<input type="checkbox"/>	<i>Maps</i>	<input type="checkbox"/>	<i>Brochure</i>
<input type="checkbox"/>	<i>Photos</i>	<input type="checkbox"/>	<i>News clippings</i>
<input type="checkbox"/>	<i>Data report</i>	<input type="checkbox"/>	<i>Other</i>

Financial Summary

Please specify project costs according to the following categories for the total budget received from HRSEP. You may also attach further financial statements in other formats, as produced by your group's financial systems. It is not necessary to forward copies of individual receipts and invoices. As per the terms of our Agreement, please retain these in your files for a minimum period of three years, as DFO reserves the right to audit all HRSEP projects.

	<i>Projected Amount</i>	<i>Actual Amount</i>	<i>Details</i>
<i>Wages / Personal Costs</i>	\$ <input type="text"/>	<input type="text" value="30.0"/>	<input type="text"/>
<i>Transport / Equipment</i>	\$ <input type="text"/>	<input type="text"/>	<input type="text"/>
<i>Office / Overhead</i>	\$ <input type="text"/>	<input type="text"/>	<input type="text"/>
<i>Other Costs</i>	\$ <input type="text"/>	<input type="text" value="6.0"/>	<input type="text"/>
Total Received from HRSEP	\$	<input type="text" value="36.0"/>	36,000

Contributions to the total budget may be from other agencies or in-kind contributions from your own organization, please specify:

	<i>Amount</i>	<i>Details</i>
<i>Other Contributors to Total Project</i> \$	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>