

RIVERS AND SMITH RECOVERY PLAN PROJECT SUMMARY

PART I - IDENTIFICATION

Proponent Name	Rivers And Smith Salmon Ecosystem Planning Society
Proponent Address	c/o 1719 Beaufort Avenue Comox BC V9M 1R8
Telephone / Fax	250 890-0297 Fax 250 890-0296
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PART II - PROJECT OVERVIEW

Project Name	Owikeno Basin Sockeye Enhancement Evaluation	
Project Location - Community	River's Inlet	
Watersheds - creeks, reaches	Inzianna and Amback Rivers – Tributaries to Owikeno Lake	
Attach map if available		
Project Cost	Total Project Cost	\$33,752
Funding	PSEF	\$13,100
Other, please list	DFO	\$20,152
	Oweekeno (Wuikinuxv) First Nation	\$500
Volunteer/In-kind		
Please List		
Project Term Year One	Start Date: Sept.7/04	End Date: March 31/05
Project Term Year Two	Start Date: Sept.7/05	End Date: March 31/06
Project Type (Check all that apply)	Stock Assessment/Inventory/Enhancement	Yes
	Habitat Restoration	
	Education & Public Awareness	Yes
	Stewardship/Community Planning	Yes
Project Partnerships	Name	Contact
(agencies/organisations providing planning, supervisory etc. support)		
DFO	J. Hepples or S.MacLaurin(250-982-2663)	250-286-5897
RASSEPS	D. Stevenson	250-890-0297
Owikeno First Nation	B. Burrows	250-949-8625

PART III - PROJECT DESCRIPTION

Project Objectives and Rationale:

The objective of the enhancement evaluation project is to determine if sockeye fry augmentation through application of conservation enhancement techniques is making a contribution to adult escapements in the Inzianna and Amback Rivers and to estimate what that contribution is.

Rationale:

The evaluation is needed to inform discussions about the River's and Smith Inlet Recovery Plan and where future efforts should be directed (whether fry augmentation has potential as an effective tool in recovery and potentially re-building of Owikeno Basin sockeye stocks).

Project Design and/or Assessment Standards: Describe your project's design/assessment standards and list the relevant certification or other qualification of experts or specialists involved in it.

YEAR ONE – SEPT. 7, 2004 – MARCH 31, 2005

The project will involve intense carcass dead pitch and otolith sampling & processing/reading initiatives on two tributaries to Owikeno Lake where enhancement has taken place. These tributaries were chosen to represent two different sub-basins in Owikeno Lake and two different run timings. As well, the estimated incidence of marked fry in the total fry production from the systems in the contributing brood years was of a level that recovery of sufficient marked fish is possible.

The intent is to recover sufficient marked adults to allow for a reliable estimate of enhanced contribution to the 4yr age class. In addition, AUC estimates will be made of total return thus allowing for an estimated brood survival to age 4.

The recommended sample size has been estimated using SEP bio-standards to estimate returns in 2004 and Rickers/Peterson formulas to calculate number of samples required to give reliable estimates of marked contribution to escapement.

YEAR TWO – WILL BE BASED ON RESULTS FROM YEAR ONE

Level of effort will be determined based on results from year one. Year two will add data for age 5 fish from 2000 brood enhanced fish. With age 4 and 5 data an estimate of total brood contribution and survival may be possible.

DFO biologists Brian Anderson and Jonathan Hepples are contributors to the project.

The field program will be directed by experienced DFO staff and the crew will consist of DFO/Oweekeno Nation crew members.

Project Work plan and Timetable:

The project will consist of two phases, the field phase and the otolith processing and reading phase.

Field Program: this will begin September 6 and end November 10th.

Once all the otoliths have been collected from the field program and from the DFO stock assessment and broodstock programs - the data will be provided to the RASSEPS technical committee where discussions/decisions can be made regarding priorities for sample processing and reading.

Deliverables:

Number of otolith samples obtained compared to recommended and run size.

Number of marked fish in recovery

Confidence limits around AUC and estimation of contribution

A final report will be produced by Dec. 31, 2004

Monitoring and Maintenance:

The Project will be supervised by DFO staff, Jonathan Hepples and Sandie McLaurin

Project Approvals: List the required agency/landowner permits/approvals required by your project and their current

There are no permits or approvals required as work is a partnership with DFO and will be advised/assisted by DFO staff.

Letters of Support: List any agency/community/etc. letters of support for your project.

Community Involvement: Describe how and to what extent the community will be involved in your project and how it will assist ERWRP's community awareness/education/involvement goals.

The Oweekeno First Nation will be directly involved with the project in data collection and in participation in the Partnership Group and Technical committee reviewing the project. The results will be shared with the community and posted/reported to government and through the media. The intent is to highlight the necessity of assessment/monitoring (in this case enhancement evaluation) in project and recovery planning.

Administration:

The project will be monitored by a representative of the RSSEPS technical working group and updates will be provided to the coordinator on a regular basis (every week during the field season). Once the field work is complete the budget will be reviewed prior to otolith processing/reading to insure it is on target.

NOTE: COST ESTIMATES FOR YEAR ONE ONLY

PART IV – PROJECT BUDGET: INFORMATION & STEWARDSHIP

Labour – Wages and Salaries

Position	# of Crew	Rate	Total	Other Funding	PSEF Request
Field crew	2	\$18.00/hr	5760	2880	2880
Total Labour and Wages					

Labour - Volunteer

	# of Crew	Rate	In-Kind Total
Skilled		\$25	
Unskilled		\$15	
Professional Services			
Total In-kind Labour and Professional Services			

Project Equipment and Supplies

	Description	Total	In-Kind/ Cash	PSEF Request
Equipment	Boat Rental – 15 days@\$50/day	1650	750	900
Travel	Accommodation/food	4500	4500	
Supplies & Materials	Fuel	1650	750	900
Tools				
Safety Equipment	Waders, life jackets, VHF	1000	500	500
Training				
Permits				
Other	Otolith processing/reading	18040	10690	7344
Total Project Equipment and Supplies Expense		26840	20070	12524

Administration and Overhead	Description	Total	In-Kind/ Cash	PSEF Request
Staff	Mercs , WCB, Payroll, budget track	1152	576	576
Office Rent & Utilities	DFO offices, PBS, Oweekeno	Unk	Yes	
Insurance	Liability ins. & equip ins.	Unk	Yes	
Office Supplies	Paper, notebooks, pencils etc	Unk	Yes	
Telephone/Fax		Unk	Yes	
Photocopying & Printing		Unk	Yes	

Rivers And Smith Salmon Ecosystem Planning Society

Advertising, Displays		Unk		
Meetings				
Computers, software		Unk		
Total Overhead Costs		1152	576	576
Total Project Costs and Requests to PSEF		33752	20652	13100

NOTE: There are no estimates given for DFO (DFO biologist, CA, Snootli Hatchery Stock Assessment crew) and Owikeno program manager staff time. Also – office costs, fax, telephone etc. are donated.