

North Coast Area
Salmonid Enhancement Program
(SEP) 2011 Review

Major Facilities

Kitimat and Snootli Hatcheries
Babine Spawning Channels

Community Involvement

Four Community Advisors (CA's)
supporting numerous community
hatcheries, stewardship groups &
schools

Resource Restoration

Three-person bio-eng team
conducting habitat improvement and
stock enhancement projects

Enhancement Update: Babine Projects

Fulton River/Pinkut Creek Sockeye

(Project Manager: Brad Thompson)



1. Fulton River (Sockeye)

A. Escapement

Channel #1 Channel did not operate in 2011 due to structural damage.

Channel #2

Total (lg. + jacks) **110,494**

River

Total (lg. + jacks) **250,807**

B. Egg Deposition

Channel #2

178,514,949

River (above fence)

388,101,582

2. Pinkut River (Sockeye)

A. Escapement

All Channels

Total (lg. + jacks) 62,457

River

Total (lg. + jacks) 96,805

B. Egg Deposition

All Channels **64 Million**

River (above fence)

88.92 Million

Central Coast

(Snootlie Hatchery: Manager Russ Hilland)

(Community Advisor: Sandie MacLaurin)

- **Currently 1 Major facility and 4 small facilities are enhancing salmon in the Central Coast:**
- **Snootli Creek DFO Facility in Bella Coola – Area 8 (chum and chinook production, smaller stock augmentation and conservation enhancement of chinook, coho and sockeye)**
- **McLoughlin CEDP Hatchery in Bella Bella (chum production and coho augmentation)**
- **Kitasoo CEDP Hatchery in Klemtu (chum production and coho augmentation)**

Group / Facility	Species	Stock	2011 Spring Releases		2011 Eggs (on hand)
			Fry	Smolt	
Snootli Hatchery DFO Major Facility in Bella Coola	Chum Chinook	Bella Coola & tribs	4.3 M	298 K	7.1 M
		Atnarko River	1.9 M		2.1 M
	Coho	Bella Coola tribs	110 K		68 K
		Wannock River	283 K		326 K
		Bella Coola & tribs	0		60 K
		Johnston Creek	23 K		10 K
		Sockeye	Atnarko R./Lonesome Lk Lakelse, Curtis		47 K 296 K
McLoughlin CEDP Hatchery in Bella Coola	Chum	McLoughlin Cr	1.3 M	2.1 M	
	Coho	McLoughlin Cr	38 K	100 K	
Kitasoo CEDP Hatchery in Klemtu	Chum	Kitasoo Cr	714 K	1.4 M	
	Coho	Kitasoo Cr	3.3 K	67 K	
Emily Lake Hatchery in Bella Bella Heiltsuk Fisheries Program	Sockeye	Tankeeah R	72 K	96 K	
Victor Cr Hatchery in Klemtu	Sockeye	Lagoon Cr	36 K	72 K	

Kitimat Hatchery

(Project Manager: Markus Feldhoff)



Kitimat Hatchery Production Summary 2011

Smolts released in the spring of 2011

Chinook	1.5M
Chum	1.7M
Coho	280K
Steelhead	28K

Fry / alevins / eggs on-hand

Chinook	2M
Chum	2M
Coho	500K + 620K (2 different brood years)
Steelhead	48K + 68K (2 different brood years)

Haida Gwaii

(Community Advisor: Patrick Fairweather)

Currently 5 small facilities enhancing salmon on Haida Gwaii:

Yakoun River Hatchery operated by the Old Masset Village Council (CEDP Facility, chinook and coho).

Four smaller CIP/PIP hatcheries operated by local stewardship groups located in Sandspit, Village of Queen Charlotte, Port Clements and Masset (coho and chum).

Haida Gwaii Production Summary

Group / Facility	Species	Stock	2011 Spring Releases		2011 Eggs (on hand)
			Fry	Smolt	
Haida Fisheries Program Pallant Creek Hatchery	Chum	Pallant Ck.	-	-	-
		Sandy Ck. (Lyell Is.)	4,111	-	-
	Coho	Pallant Ck.	231,000	-	-
Old Massett Village Council Yakoun River Hatchery CEDP	Chinook	Yakoun R.	-	254,000	130,000
	Coho	Yakoun R.	-	37,500	0
Northern Trollers Association Charlie Valley Hatchery	Chum	Deena Ck.	48,600	-	105,000
		Sklatechuck Ck.	-	-	85,000
	Coho	Jungle Ck.	7,500	-	7,400
		Honna R.	22,600	3,000	28,500
		Tarundl Ck.	5,300	1,100	22,000
Alliford Bay Hatchery Group	Coho	Haans Ck.	18,300	-	0
		Sachs Ck.	6,300	-	16,000
		Baxter Ck.	2,200	-	7,000
		Blaine Ck.	-	-	3,000
QCI Salmon Unlimited Society Deep Creek Hatchery	Coho	Grouse Ck.	13,600	-	8,000
		Loon Lake Ck.	48,800	-	14,500
Port Clements Enhancement Group Port Clements Hatchery	Coho	Mamin R.	35,000	-	11,000

Terrace/Nass

(Community Advisor: Rob Dams)

Currently 5 facilities are enhancing salmon in the North Coast Area

Hartley Bay Hatchery operated by the Hartley Bay Band Council (CEDP Facility, coho).

Four CIP/PIP hatcheries:

Terrace- **Eby St. Hatchery** operated by the Northwest Watershed Enhancement Society (coho)

Prince Rupert- **Oldfield Hatchery** operated by the Prince Rupert Salmonid Enhancement Society (coho, chinook and Pink)

Oona River- **Oona River Hatchery** operated by Oona River Resources Association (coho).

Terrace – **Deep Creek Hatchery** operated by the Terrace Salmonid Enhancement Society (chinook index stream) This project is administered by Stock Assessment

North Coast Production Summary 2011

Group/Facility	Species	Stock	2011 Spring Release		2011 Eggs (Onhand)	Comments
			Fry	Smolt		
Prince Rupert Salmonid Enhancement Society (PRSES) Oldfield Creek Hatchery	Coho	Diana Creek	43639	-	9000	Fed Fry Released 2010
		Oldfield Creek	14345	14345	30000	
	Chinook Pink	Kloiya River	33832	-	40000	
			11692	-	-	
Oona River Resources Association Oona River Hatchery	-	Spiller River	-	-	-	No eggs taken 2010
	-	Oona River	-	-	5000	No Eggs Taken 2010
Hartley Bay Hatchery CEDP	Coho	Hartley Bay Creek	-	25000	420000	All stocks combined
		Upper Hartley Bay Lake	60000	-		
		Whalen Lake	60000	-		
		Angler Cove Lake	30000	-		
		Union Pass Lake	0	-		
		Red Bluff Lake	40000	-		
Northwest Watershed Enhancement Society Eby St Hatchery	Coho	Zymagotitz River	8623	22500	20000	Fed Fry Release early- BKD
		Zymachord River				
Terrace Salmonid Enhancement Society (TSES) Deep Creek Hatchery	Chinook	Kitsumkalum	212000	60000	276000	Stock Assessment Project

Upper Skeena

(Community Advisor: Natalie Newman)

Currently 1 facility (Toboggan Creek Hatchery) enhancing salmon in the Upper Skeena. 2,071 coho counted through the escapement fence this fall.

Lake Babine Nation CEDP did not include a hatchery this year. A pilot 'Salmon and Natural Resource Interpretive Centre' was initiated and habitat assessments within 3 tributaries to the Babine River took place.

Mission Creek Coho Assessment Fence operated by the Chicago Creek Environmental Enhancement Society funded by SEP and MOTI. A total of ~130 adult coho were counted through the fence (incomplete count). Green fish were still observed holding in the Bulkley River after the fence was pulled. The volunteers transported ~80 coho upstream of the impassable Highway 16 culvert into Waterfall Creek. Estimated egg deposition is 140,000 eggs.

Lakelse Sockeye Recovery Plan



310K fry released into Williams Creek in May, 2011

- 335K eggs taken in Aug, 2011
- A collaborative recovery effort involving:
 - Lakelse Watershed Society
 - Habitat Management
 - Terrace Community Advisor
 - Stock Assessment
 - North Coast RRU
 - Snootli Creek Hatchery
 - Regional District
 - Kitselas First Nations
 - Ministry of the Environment

